Technical Report HL-96-13
September 1996

US Army Corps of Engineers
Waterways Experiment Station

Navigation Lock for Bonneville Dam, Columbia River, Oregon

Volume II: Appendix A
Pressures During Lock Operations

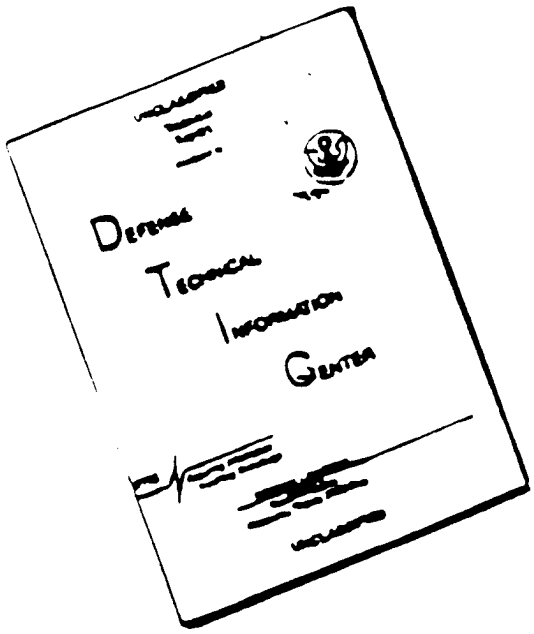
by Richard L. Stockstill, John F. George

Approved For Public Release; Distribution Is Unlimited

19961113 174

Prepared for U.S. Army Engineer District, Portland

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

The contents of this report are not to be used for advertising, publication, or promotional purposes. Citation of trade names does not constitute an official endorsement or approval of the use of such commercial products.

PRINTED ON RECYCLED PAPER

Technical Report HL-96-13
September 1996

Navigation Lock for Bonneville Dam, Columbia River, Oregon

Volume II: Appendix A
Pressures During Lock Operations

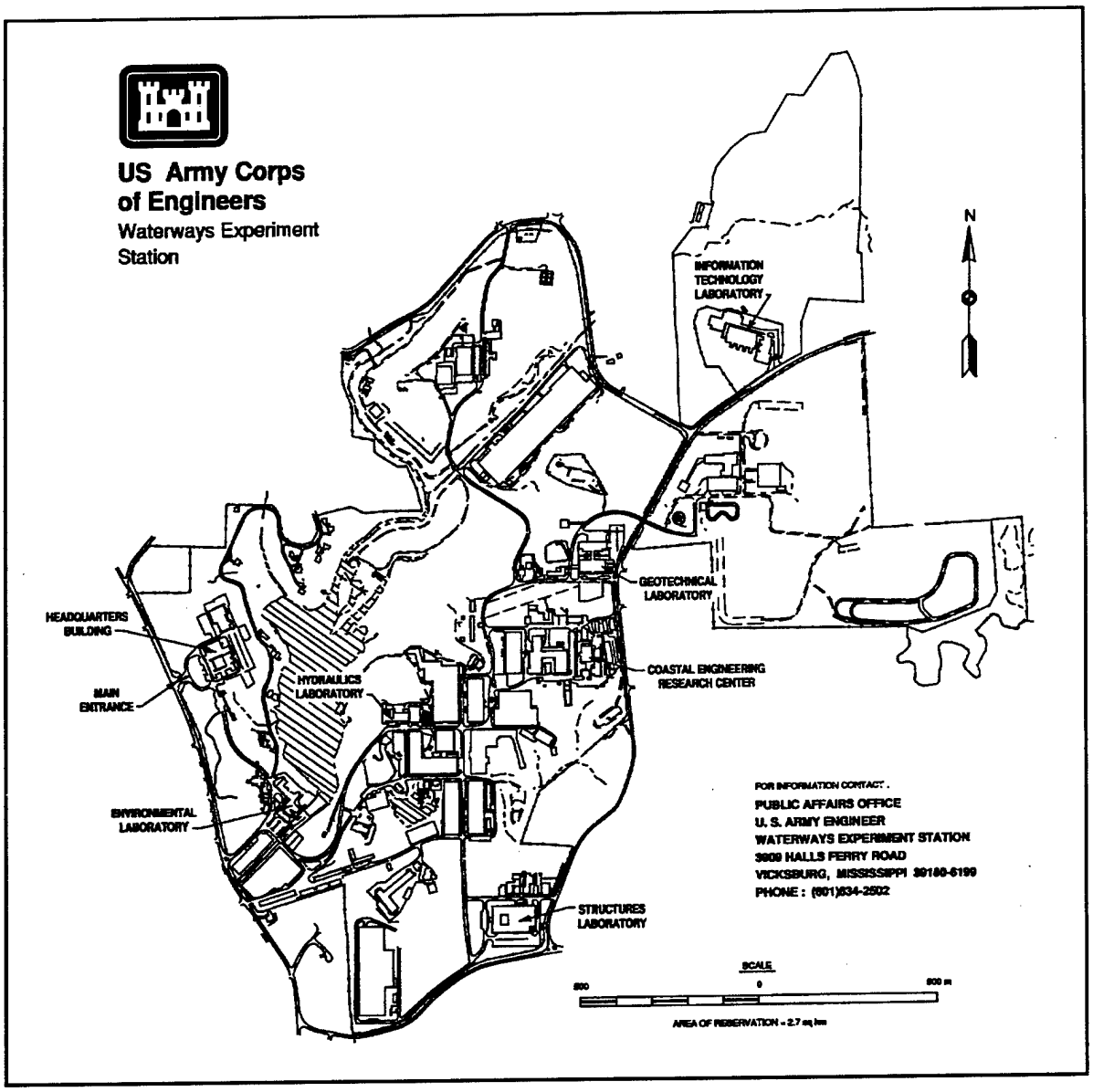
by Richard L. Stockstill, John F. George

U.S. Army Corps of Engineers
Waterways Experiment Station
3909 Halls Ferry Road
Vicksburg, MS 39180-6199

Final report

Approved for public release; distribution is unlimited

Prepared for U.S. Army Engineer District, Portland
Portland, OR 97208-2946



Waterways Experiment Station Cataloging-in-Publication Data

Stockstill, Richard L.

Navigation lock for Bonneville Dam, Columbia River, Oregon / by Richard L. Stockstill, John F. George ; prepared for U.S. Army Engineer District, Portland.

2 v. : ill. ; 28 cm. — (Technical report ; HL-96-13)

Includes bibliographical references.

v. 1. Main text—v. 2. Appendix A, pressures during lock operations.

1. Bonneville Dam (Or. and Wash.) 2. Locks (Hydraulic engineering) — Oregon —Columbia River. 3. Hydraulic models — Oregon — Columbia River. 4. Columbia River. I. George, John F. II. United States. Army. Corps of Engineers. Portland District. III. U.S. Army Engineer Waterways Experiment Station. IV. Hydraulics Laboratory (U.S. Army Engineer Waterways Experiment Station) V. Title. VI. Series: Technical report (U.S. Army Engineer Waterways Experiment Station) ; HL-96-13.

TA7 W34 no.HL-96-13

DISCLAIMER NOTICE

THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

Appendix A Pressures during Lock Operations

Readings are given in elevations in feet referred to the National Geodetic Vertical Datum (NGVD). The following abbreviations are used in the tables in this appendix:

T = time in prototype seconds

UP = water-surface elevation in the upper pool

LC = water-surface elevation in the lock chamber

LP = water-surface elevation in the lower pool

Table A1
H-H Pattern System Average Piezometer Reading During Filling Operation, Type 2 Syster
Lower Pool El 7, Normal Valve Operation

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240
UP	—	76.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	74.8	74.8	74.8	75.3
LC	—	7.0	7.0	7.6	7.6	9.3	10.4	13.3	16.2	19.1	26.5	33.4	45.5
LP	—	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0
1	-53.0	76.5	76.5	76.5	76.5	75.9	75.4	74.8	74.2	74.2	73.1	73.1	73.7
2	-53.0	76.5	75.9	75.9	75.9	75.4	74.8	73.7	73.7	72.0	71.5	72.0	73.1
3	-53.0	76.5	77.1	77.1	76.5	75.9	75.4	74.2	73.1	72.5	71.4	72.0	73.1
4	-53.0	76.5	76.5	76.5	75.9	75.4	74.8	73.1	72.0	70.3	69.8	70.9	72.0
5	-53.0	76.5	76.5	75.9	75.9	75.4	74.2	73.1	70.9	69.7	69.2	69.7	71.4
6	-53.0	76.5	75.9	75.9	75.9	75.4	74.2	73.1	71.4	70.3	69.2	70.3	71.4
7	-53.0	76.5	77.1	76.5	75.9	75.4	74.8	73.6	73.1	72.5	71.3	71.9	73.1
8	-53.0	76.5	76.5	75.9	75.4	74.6	73.7	72.0	70.3	68.0	66.9	68.6	70.3
9	-53.0	76.5	76.5	75.9	75.3	74.7	73.5	71.8	70.6	68.2	67.6	68.8	70.6
10	-46.0	76.5	75.9	74.8	72.5	69.7	65.8	60.1	53.4	44.9	40.4	43.8	52.8
11	-42.5	76.5	75.4	74.2	72.0	69.2	64.7	58.4	51.1	42.6	40.4	44.9	53.4
12	-46.0	76.5	75.9	74.8	72.5	69.1	64.5	58.2	50.1	43.3	40.4	45.0	53.6
13	-49.5	76.5	76.5	74.8	73.1	70.3	66.3	60.7	53.9	47.7	46.0	49.9	57.3
14	-53.0	7.0	4.7	3.6	1.3	1.3	5.9	12.1	19.0	32.6	39.5	44.6	53.7
15	-46.0	7.0	6.4	4.7	2.4	1.3	3.6	9.3	16.7	32.1	40.0	45.2	53.1
16	-3.0	76.5	75.9	74.8	72.6	69.7	64.7	58.5	50.6	42.2	41.0	45.5	54.5
17	-3.0	7.0	4.7	4.1	1.8	1.3	3.6	7.0	13.9	32.8	40.9	46.1	54.1
18	-39.0	7.0	6.4	4.7	2.4	1.9	4.2	7.0	13.3	24.7	34.3	40.6	50.9
19	-38.4	7.0	4.7	3.5	1.8	1.2	2.9	5.8	11.6	29.0	38.3	44.1	52.8
20	-37.7	7.0	4.7	4.7	2.4	2.4	3.0	7.6	15.5	32.6	42.3	47.4	54.9
21	-37.4	7.0	5.9	5.3	3.0	1.9	4.7	12.7	16.7	33.8	43.5	48.0	55.4

er Reading During Filling Operation, Type 2 System, Lift 69.5 ft, Valve Speed 2 Min (Constant Speed Gate Opening), U
on

=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=
5.9	75.9	75.9	75.9	74.8	74.8	74.8	75.3	74.8	75.3	75.3	76.5	75.9	75.9	75.9	75.9	76.5	7
.3	10.4	13.3	16.2	19.1	26.5	33.4	45.5	55.8	68.3	70.2	74.8	77.1	77.6	77.6	76.5	76.5	7
.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.0	7.6	7.6	6.4	7.6	7.6	7.6	7.0	7.0	
5.9	75.4	74.8	74.2	74.2	73.1	73.1	73.7	74.2	74.8	75.9	75.4	76.5	76.5	76.5	76.5	76.5	7
5.4	74.8	73.7	73.7	72.0	71.5	72.0	73.1	73.7	74.3	75.4	75.4	75.4	75.9	75.9	75.9	76.5	7
5.9	75.4	74.2	73.1	72.5	71.4	72.0	73.1	73.7	74.8	75.9	75.9	76.5	76.5	77.1	77.1	77.1	7
5.4	74.8	73.1	72.0	70.3	69.8	70.9	72.0	72.6	74.3	75.4	75.4	75.9	76.5	76.5	76.5	76.5	7
5.4	74.2	73.1	70.9	69.7	69.2	69.7	71.4	72.6	73.7	75.4	75.9	76.5	75.9	75.9	76.5	76.5	7
5.4	74.2	73.1	71.4	70.3	69.2	70.3	71.4	72.5	74.2	74.8	75.4	75.9	75.9	75.9	76.5	76.5	7
5.4	74.8	73.6	73.1	72.5	71.3	71.9	73.1	74.2	74.8	75.4	75.4	76.5	76.5	76.5	76.5	76.5	7
4.6	73.7	72.0	70.3	68.0	66.9	68.6	70.3	72.0	73.7	74.8	75.4	75.9	75.9	76.5	76.5	76.5	7
4.7	73.5	71.8	70.6	68.2	67.6	68.8	70.6	72.4	74.1	74.7	75.3	75.9	76.5	76.5	76.5	76.5	7
9.7	65.8	60.1	53.4	44.9	40.4	43.8	52.8	60.1	66.8	70.9	73.7	75.4	75.9	75.9	76.5	76.5	7
9.2	64.7	58.4	51.1	42.6	40.4	44.9	53.4	60.7	66.9	70.9	73.7	75.4	76.5	76.5	75.9	76.5	7
9.1	64.5	58.2	50.1	43.3	40.4	45.0	53.6	61.0	66.2	70.8	74.2	75.9	76.5	76.5	76.5	76.5	7
0.3	66.3	60.7	53.9	47.7	46.0	49.9	57.3	63.5	68.6	71.4	74.8	75.9	76.5	76.5	76.5	77.1	7
.3	5.9	12.1	19.0	32.6	39.5	44.6	53.7	60.5	66.2	70.8	73.1	74.8	75.9	75.4	75.9	76.5	7
.3	3.6	9.3	16.7	32.1	40.0	45.2	53.1	61.1	66.2	71.4	74.2	75.4	76.5	77.1	76.5	77.1	7
9.7	64.7	58.5	50.6	42.2	41.0	45.5	54.5	60.7	66.4	71.4	73.7	75.9	76.5	76.5	76.5	75.9	7
.3	3.6	7.0	13.9	32.8	40.9	46.1	54.1	61.0	67.3	71.3	74.2	76.5	75.9	77.1	77.1	77.1	7
.9	4.2	7.0	13.3	24.7	34.3	40.6	50.9	58.8	65.7	70.8	73.7	75.9	76.5	76.5	76.5	76.5	7
.2	2.9	5.8	11.6	29.0	38.3	44.1	52.8	59.7	66.1	70.7	73.6	75.3	75.9	75.9	75.9	75.9	7
.4	3.0	7.6	15.5	32.6	42.3	47.4	54.9	61.7	66.8	70.8	74.2	75.9	76.5	76.5	76.5	76.5	7
.9	4.7	12.7	16.7	33.8	43.5	48.0	55.4	62.3	67.4	70.8	74.2	75.4	76.5	76.5	76.5	77.1	7

Lift 69.5 ft, Valve Speed 2 Min (Constant Speed Gate Opening), Upper Pool El 76.5,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
74.8	75.3	75.3	76.5	75.9	75.9	75.9	75.9	76.5	75.3	76.5	75.3	75.9
55.8	68.3	70.2	74.8	77.1	77.6	77.6	76.5	76.5	75.9	77.1	77.1	76.5
7.0	7.6	7.6	6.4	7.6	7.6	7.6	7.0	7.0	7.0	7.6	7.0	7.6
74.2	74.8	75.9	75.4	76.5	76.5	76.5	76.5	76.5	77.1	77.1	76.5	77.1
73.7	74.3	75.4	75.4	75.4	75.9	75.9	75.9	76.5	76.5	76.5	76.5	76.5
73.7	74.8	75.9	75.9	76.5	76.5	77.1	77.1	77.1	77.1	77.1	77.1	77.1
72.6	74.3	75.4	75.4	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
72.6	73.7	75.4	75.9	76.5	75.9	75.9	76.5	76.5	76.5	77.1	76.5	75.9
72.5	74.2	74.8	75.4	75.9	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5
74.2	74.8	75.4	75.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
72.0	73.7	74.8	75.4	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5
72.4	74.1	74.7	75.3	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
60.1	66.8	70.9	73.7	75.4	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5
60.7	66.9	70.9	73.7	75.4	76.5	76.5	75.9	76.5	76.5	76.5	75.9	76.5
61.0	66.2	70.8	74.2	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
63.5	68.6	71.4	74.8	75.9	76.5	76.5	76.5	77.1	77.1	76.5	77.1	77.1
60.5	66.2	70.8	73.1	74.8	75.9	75.4	75.9	76.5	75.9	76.5	75.9	76.5
61.1	66.2	71.4	74.2	75.4	76.5	77.1	76.5	77.1	77.1	76.5	77.1	76.5
60.7	66.4	71.4	73.7	75.9	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5
61.0	67.3	71.3	74.2	76.5	75.9	77.1	77.1	77.1	76.5	77.1	77.1	76.5
58.8	65.7	70.8	73.7	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
59.7	66.1	70.7	73.6	75.3	75.9	75.9	75.9	75.9	76.5	75.9	76.5	76.5
61.7	66.8	70.8	74.2	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
62.3	67.4	70.8	74.2	75.4	76.5	76.5	76.5	77.1	76.5	77.1	76.5	76.5

Table A1 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240
22	-37.0	7.0	5.9	4.7	1.3	1.8	5.3	15.6	19.1	35.7	44.3	49.5	57.0
23	-36.0	7.0	7.0	5.9	3.0	3.0	7.0	15.5	21.2	38.9	46.3	50.9	57.7
24	-35.0	7.0	8.1	6.4	3.0	3.0	8.1	13.3	25.4	40.9	48.9	53.0	59.3
25	-33.5	7.0	9.8	8.1	4.2	5.3	15.0	12.7	34.9	44.6	51.4	54.9	60.5
26	-32.0	7.0	9.3	8.1	8.7	4.1	18.5	20.2	32.8	43.2	52.4	55.8	61.6
27	-31.0	7.0	9.9	13.9	12.2	13.9	17.3	28.8	37.4	48.4	53.5	56.4	62.1
27A	-31.0	7.0	11.1	12.3	11.1	15.8	20.5	27.0	37.6	45.9	51.2	54.7	60.0
28	-42.0	7.0	9.3	12.7	13.9	17.9	23.7	28.8	38.6	47.8	54.1	57.0	62.1
29	-42.0	7.0	9.8	12.1	14.4	17.8	24.1	28.1	35.5	42.3	48.6	52.6	59.4
30	-42.0	7.0	9.4	12.3	14.1	18.9	25.4	30.8	39.1	49.2	55.7	58.1	63.4
31	-42.0	7.0	10.3	12.3	14.4	17.0	23.7	32.4	39.7	50.4	60.5	63.8	63.8
32	-53.0	7.0	10.4	12.7	15.0	19.1	26.0	31.1	38.6	46.6	53.0	56.4	62.1
33	-53.0	7.0	10.4	12.7	15.0	19.0	24.7	30.9	38.3	45.7	52.0	56.0	61.1
34	-53.0	7.0	9.9	12.2	14.0	18.0	23.8	30.2	37.7	45.8	52.2	55.7	61.4
35	-53.0	7.0	9.8	12.1	14.4	18.4	23.5	30.9	38.3	45.7	52.0	55.4	61.1
36	-53.0	7.0	10.0	11.8	14.1	17.7	23.0	29.0	36.1	42.6	51.0	55.7	61.6
36A	-53.0	7.0	9.9	11.0	13.9	17.9	22.5	29.4	37.4	44.9	51.2	54.7	60.4
37	-48.0	7.0	9.3	11.0	13.2	17.7	22.8	30.7	38.6	47.1	55.0	58.4	63.5
38	-36.0	7.0	9.3	11.1	13.4	16.8	23.2	30.2	37.7	45.8	53.3	56.8	62.0
39	-48.0	7.0	8.7	9.9	12.2	15.0	19.6	25.4	31.7	37.4	44.9	49.5	57.0
40	-36.0	7.0	8.7	9.9	10.4	11.6	13.9	16.8	17.9	19.6	26.0	32.3	44.9
41	-36.0	7.0	9.3	9.9	11.1	12.8	15.8	19.3	22.2	25.1	30.9	36.8	47.9
42	-36.0	7.0	8.8	9.9	11.1	12.8	15.2	18.7	22.2	24.5	30.9	36.8	47.9
43	-33.0	7.0	8.7	9.9	12.2	16.3	21.5	27.9	36.0	43.5	51.0	55.7	61.4
44	-37.0	7.0	9.3	10.4	13.3	16.7	21.8	28.1	36.1	44.0	52.0	55.4	61.1
45	-39.0	7.0	8.2	9.9	12.3	16.4	21.7	28.8	35.9	43.5	51.8	55.9	61.8

-45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=7
3	1.8	5.3	15.6	19.1	35.7	44.3	49.5	57.0	63.3	68.5	71.9	74.2	75.9	77.1	77.1	76.5	76.
0	3.0	7.0	15.5	21.2	38.9	46.3	50.9	57.7	63.4	68.5	71.9	74.2	76.5	76.5	76.5	76.5	75.
0	3.0	8.1	13.3	25.4	40.9	48.9	53.0	59.3	65.0	69.6	72.5	75.4	76.5	77.1	77.1	77.1	76.
2	5.3	15.0	12.7	34.9	44.6	51.4	54.9	60.5	65.7	69.7	72.5	74.8	75.9	76.5	76.5	76.5	76.
7	4.1	18.5	20.2	32.8	43.2	52.4	55.8	61.6	66.2	69.6	72.5	74.2	75.4	76.5	76.5	75.9	76.
.2	13.9	17.3	28.8	37.4	48.4	53.5	56.4	62.1	66.7	70.8	73.6	75.4	75.9	76.5	77.1	76.5	77.
.1	15.8	20.5	27.0	37.6	45.9	51.2	54.7	60.0	65.3	68.8	71.8	74.1	75.9	75.9	75.9	75.9	75.
.9	17.9	23.7	28.8	38.6	47.8	54.1	57.0	62.1	66.7	70.8	73.6	75.4	75.9	76.5	76.5	75.9	76.
.4	17.8	24.1	28.1	35.5	42.3	48.6	52.6	59.4	64.5	69.1	72.5	74.8	76.5	76.5	75.9	76.5	76.
.1	18.9	25.4	30.8	39.1	49.2	55.7	58.1	63.4	67.6	71.2	73.5	75.3	76.5	77.1	77.1	77.1	76.
.4	17.0	23.7	32.4	39.7	50.4	60.5	63.8	63.8	64.5	63.8	70.5	73.8	75.2	76.5	76.5	76.5	75.
.0	19.1	26.0	31.1	38.6	46.6	53.0	56.4	62.1	66.2	70.8	73.1	75.4	75.9	76.5	76.5	75.9	76.
.0	19.0	24.7	30.9	38.3	45.7	52.0	56.0	61.1	65.7	69.7	72.5	74.8	75.4	76.5	75.9	75.9	75.
.0	18.0	23.8	30.2	37.7	45.8	52.2	55.7	61.4	66.7	70.7	73.0	75.3	76.5	77.1	77.1	77.1	76.
.4	18.4	23.5	30.9	38.3	45.7	52.0	55.4	61.1	66.2	70.2	73.1	75.4	76.5	77.1	77.1	76.5	76.
.1	17.7	23.0	29.0	36.1	42.6	51.0	55.7	61.6	66.4	70.6	72.9	75.3	76.5	76.5	76.5	76.5	75.
.9	17.9	22.5	29.4	37.4	44.9	51.2	54.7	60.4	65.6	70.2	73.1	75.9	76.5	77.1	77.1	76.5	76.
.2	17.7	22.8	30.7	38.6	47.1	55.0	58.4	63.5	67.5	71.4	73.7	75.9	77.1	77.1	76.5	76.5	76.
.4	16.8	23.2	30.2	37.7	45.8	53.3	56.8	62.0	67.2	70.7	73.6	75.9	77.1	77.1	77.1	76.5	76.
.2	15.0	19.6	25.4	31.7	37.4	44.9	49.5	57.0	63.3	68.5	71.9	74.8	75.9	77.1	76.5	75.9	75.
.4	11.6	13.9	16.8	17.9	19.6	26.0	32.3	44.9	55.2	63.3	69.0	73.1	75.4	76.5	76.5	75.9	76.
.1	12.8	15.8	19.3	22.2	25.1	30.9	36.8	47.9	57.2	64.2	70.1	74.2	75.9	77.1	76.5	75.9	75.
.1	12.8	15.2	18.7	22.2	24.5	30.9	36.8	47.9	57.2	64.2	69.5	73.6	76.5	77.1	76.5	75.9	76.
.2	16.3	21.5	27.9	36.0	43.5	51.0	55.7	61.4	66.1	69.6	72.4	75.3	77.1	76.5	76.5	75.9	75.
.3	16.7	21.8	28.1	36.1	44.0	52.0	55.4	61.1	66.2	70.2	73.1	75.4	76.5	76.5	77.1	76.5	76.
.3	16.4	21.7	28.8	35.9	43.5	51.8	55.9	61.8	66.5	70.6	73.6	75.3	76.5	77.7	77.1	76.5	76.

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
63.3	68.5	71.9	74.2	75.9	77.1	77.1	76.5	76.5	76.5	77.1	77.1	76.5
63.4	68.5	71.9	74.2	76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5
65.0	69.6	72.5	75.4	76.5	77.1	77.1	77.1	76.5	77.1	77.1	77.1	76.5
65.7	69.7	72.5	74.8	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
66.2	69.6	72.5	74.2	75.4	76.5	76.5	75.9	76.5	75.9	76.5	76.5	76.5
66.7	70.8	73.6	75.4	75.9	76.5	77.1	76.5	77.1	77.1	77.1	77.1	76.5
65.3	68.8	71.8	74.1	75.9	75.9	75.9	75.9	75.3	75.9	75.9	75.9	76.5
66.7	70.8	73.6	75.4	75.9	76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5
64.5	69.1	72.5	74.8	76.5	76.5	75.9	76.5	76.5	75.9	77.1	76.5	76.5
67.6	71.2	73.5	75.3	76.5	77.1	77.1	77.1	76.5	76.5	77.1	77.1	76.5
64.5	63.8	70.5	73.8	75.2	76.5	76.5	76.5	75.8	75.8	76.5	75.8	76.5
66.2	70.8	73.1	75.4	75.9	76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5
65.7	69.7	72.5	74.8	75.4	76.5	75.9	75.9	75.9	75.9	75.9	76.5	76.5
66.7	70.7	73.0	75.3	76.5	77.1	77.1	77.1	76.5	77.1	77.1	77.1	76.5
66.2	70.2	73.1	75.4	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5	76.5
66.4	70.6	72.9	75.3	76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5
65.6	70.2	73.1	75.9	76.5	77.1	77.1	76.5	76.5	77.1	77.1	77.1	76.5
67.5	71.4	73.7	75.9	77.1	77.1	76.5	76.5	76.5	76.5	77.1	77.1	76.5
67.2	70.7	73.6	75.9	77.1	77.1	77.1	76.5	76.5	77.1	77.1	77.1	76.5
63.3	68.5	71.9	74.8	75.9	77.1	76.5	75.9	75.4	75.9	76.5	76.5	76.5
65.2	63.3	69.0	73.1	75.4	76.5	76.5	75.9	76.5	75.9	76.5	76.5	76.5
67.2	64.2	70.1	74.2	75.9	77.1	76.5	75.9	75.9	76.5	76.5	76.5	76.5
67.2	64.2	69.5	73.6	76.5	77.1	76.5	75.9	76.5	75.9	76.5	76.5	76.5
66.1	69.6	72.4	75.3	77.1	76.5	76.5	75.9	75.9	76.5	76.5	76.5	76.5
66.2	70.2	73.1	75.4	76.5	76.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5
66.5	70.6	73.6	75.3	76.5	77.7	77.1	76.5	76.5	76.5	77.1	77.1	76.5

Table A1 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240
46	-35.0	7.0	8.7	10.4	12.7	16.1	21.8	28.1	36.1	44.0	51.4	55.4	61.1
47	-36.0	7.0	8.8	9.9	12.3	16.3	21.6	28.6	36.8	46.1	52.0	56.1	61.9
48	-36.0	7.0	9.3	11.7	13.4	17.5	22.8	30.4	38.0	46.7	53.7	57.2	62.5
49	-36.0	7.0	9.3	11.1	12.8	16.8	22.6	29.6	37.7	46.4	53.3	56.8	62.0
50	-31.0	7.0	9.3	9.3	12.2	15.6	19.6	24.8	31.1	36.9	43.2	47.8	56.4
51	-42.0	7.0	8.7	9.3	12.2	15.0	18.5	24.2	30.5	36.3	42.6	47.8	55.8
52	-27.8	7.0	8.8	9.9	11.7	15.2	19.3	24.5	30.4	36.2	43.2	47.3	56.1
53	-49.5	7.0	8.7	10.4	12.7	16.2	21.4	28.3	35.1	43.2	50.7	54.1	59.8
54	-21.6	—	—	—	—	—	—	—	—	—	—	—	—
55	-41.6	7.0	8.7	10.4	12.1	15.5	20.1	26.4	32.6	39.5	46.3	50.3	57.7
56	-17.5	7.0	8.2	9.4	11.2	15.4	19.6	26.2	33.4	40.0	47.7	51.3	58.5
57	-35.2	7.0	7.6	8.8	11.1	14.1	17.6	22.9	28.8	34.1	41.2	45.9	54.1
58	-31.3	7.0	7.6	8.8	10.6	13.5	17.1	23.6	28.4	34.9	42.6	46.8	55.1
59	-31.3	7.0	8.2	9.3	11.1	14.0	18.0	23.8	29.6	36.0	42.3	48.1	56.2
60	-23.1	—	—	—	—	—	—	—	—	—	—	—	—
61	-23.1	7.0	7.6	8.7	11.1	14.0	18.6	24.4	30.7	37.1	45.2	49.9	58.0
62	-22.8	7.0	7.6	7.6	9.3	11.1	14.0	16.3	19.7	23.2	29.6	36.5	48.1
63	-22.8	7.0	8.1	8.7	11.0	13.9	19.1	24.8	31.1	38.0	45.5	50.1	57.5
64	-22.4	7.0	7.6	7.6	9.3	11.1	13.4	15.7	19.2	23.2	28.4	36.0	47.5
65	-22.4	7.0	7.6	8.2	10.5	14.0	18.0	23.8	30.2	37.1	44.6	49.9	57.4
66	-28.0	7.0	7.6	8.2	9.9	12.2	15.1	19.2	23.8	28.4	35.4	41.8	51.6
66A	-28.0	7.0	7.6	8.1	9.9	12.2	16.2	19.6	25.4	30.5	38.0	43.2	52.4
67	-28.0	7.0	8.2	8.7	9.9	12.8	16.3	20.9	25.5	31.3	37.7	43.5	52.8
68	-28.0	7.0	8.1	8.7	11.0	13.9	17.9	23.1	28.8	36.3	43.2	48.4	56.4
69	-28.0	7.0	7.0	8.2	9.9	13.4	17.4	23.2	30.2	37.1	45.2	50.4	57.4
70	-28.0	7.0	7.6	8.2	10.5	14.0	18.7	25.1	32.7	39.7	48.5	52.0	59.0

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T
12.7	16.1	21.8	28.1	36.1	44.0	51.4	55.4	61.1	65.7	69.7	72.5	74.8	75.9	76.5	76.5	75.4	
12.3	16.3	21.6	28.6	36.8	46.1	52.0	56.1	61.9	67.2	70.7	73.6	75.9	77.1	77.7	77.1	76.5	
13.4	17.5	22.8	30.4	38.0	46.7	53.7	57.2	62.5	67.2	70.7	73.0	75.3	75.9	77.1	77.1	76.5	
12.8	16.8	22.6	29.6	37.7	46.4	53.3	56.8	62.0	67.2	70.1	73.0	74.8	76.5	76.5	76.5	75.9	
12.2	15.6	19.6	24.8	31.1	36.9	43.2	47.8	56.4	62.7	67.9	71.9	74.8	75.9	77.1	76.5	76.5	
12.2	15.0	18.5	24.2	30.5	36.3	42.6	47.8	55.8	62.1	67.9	71.9	74.8	76.5	77.1	77.1	76.5	
11.7	15.2	19.3	24.5	30.4	36.2	43.2	47.3	56.1	62.5	67.7	72.4	74.7	76.5	76.5	77.1	76.5	
12.7	16.2	21.4	28.3	35.1	43.2	50.7	54.1	59.8	65.0	69.6	72.5	74.8	75.9	76.5	76.5	75.9	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
12.1	15.5	20.1	26.4	32.6	39.5	46.3	50.3	57.7	63.4	69.7	71.9	75.4	76.5	77.1	76.5	76.5	
11.2	15.4	19.6	26.2	33.4	40.0	47.7	51.3	58.5	65.1	69.3	72.9	75.9	77.1	77.1	77.1	76.5	
11.1	14.1	17.6	22.9	28.8	34.1	41.2	45.9	54.1	61.8	67.1	71.8	74.1	76.5	76.5	77.1	75.9	
10.6	13.5	17.1	23.6	28.4	34.9	42.6	46.8	55.1	61.6	67.6	71.2	74.1	75.9	77.1	76.5	75.9	
11.1	14.0	18.0	23.8	29.6	36.0	42.3	48.1	56.2	63.2	68.4	72.4	75.3	77.7	77.7	77.1	76.5	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
11.1	14.0	18.6	24.4	30.7	37.1	45.2	49.9	58.0	63.8	69.6	73.0	75.3	77.1	77.7	77.1	76.5	
9.3	11.1	14.0	16.3	19.7	23.2	29.6	36.5	48.1	56.8	64.9	70.1	73.6	75.9	77.1	76.5	75.9	
11.0	13.9	19.1	24.8	31.1	38.0	45.5	50.1	57.5	63.9	69.0	73.1	74.8	77.1	77.6	77.1	76.5	
9.3	11.1	13.4	15.7	19.2	23.2	28.4	36.0	47.5	56.8	63.8	70.1	73.6	76.5	77.7	76.5	75.9	
10.5	14.0	18.0	23.8	30.2	37.1	44.6	49.9	57.4	63.2	68.4	72.4	75.3	76.5	77.1	76.5	75.9	
9.9	12.2	15.1	19.2	23.8	28.4	35.4	41.8	51.6	59.7	66.7	71.3	74.8	77.1	78.2	77.1	76.5	
9.9	12.2	16.2	19.6	25.4	30.5	38.0	43.2	52.4	60.4	66.7	71.3	74.8	77.1	77.1	76.5	75.9	
9.9	12.8	16.3	20.9	25.5	31.3	37.7	43.5	52.8	60.9	66.7	71.3	74.8	76.5	77.1	76.5	75.9	
11.0	13.9	17.9	23.1	28.8	36.3	43.2	48.4	56.4	63.3	68.5	72.5	75.4	76.5	77.6	77.1	75.9	
9.9	13.4	17.4	23.2	30.2	37.1	45.2	50.4	57.4	63.8	69.0	72.4	75.3	77.1	77.7	77.1	75.9	
10.5	14.0	18.7	25.1	32.7	39.7	48.5	52.0	59.0	64.8	70.1	73.6	75.9	77.7	77.7	77.7	76.5	

)0	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
	69.7	72.5	74.8	75.9	76.5	76.5	75.4	75.9	75.9	75.9	75.9	76.5
	70.7	73.6	75.9	77.1	77.7	77.1	76.5	76.5	76.5	77.1	77.1	76.5
	70.7	73.0	75.3	75.9	77.1	77.1	76.5	75.9	75.9	77.1	76.5	76.5
	70.1	73.0	74.8	76.5	76.5	76.5	75.9	75.3	75.9	75.9	76.5	76.5
	67.9	71.9	74.8	75.9	77.1	76.5	76.5	76.5	75.9	76.5	76.5	76.5
	67.9	71.9	74.8	76.5	77.1	77.1	76.5	76.5	76.5	77.1	77.1	76.5
	67.7	72.4	74.7	76.5	76.5	77.1	76.5	75.9	75.9	76.5	77.1	76.5
	69.6	72.5	74.8	75.9	76.5	76.5	75.9	75.4	75.9	76.5	76.5	76.5
	—	—	—	—	—	—	—	—	—	—	—	—
	69.7	71.9	75.4	76.5	77.1	76.5	76.5	75.9	75.9	77.1	76.5	76.5
	69.3	72.9	75.9	77.1	77.1	77.1	76.5	76.5	76.5	77.1	77.1	76.5
	67.1	71.8	74.1	76.5	76.5	77.1	75.9	75.9	76.5	76.5	76.5	76.5
	67.6	71.2	74.1	75.9	77.1	76.5	75.9	75.9	75.9	75.9	76.5	76.5
	68.4	72.4	75.3	77.7	77.7	77.1	76.5	75.9	76.5	77.1	77.1	76.5
	—	—	—	—	—	—	—	—	—	—	—	—
	69.6	73.0	75.3	77.1	77.7	77.1	76.5	76.5	76.5	76.5	77.1	76.5
	64.9	70.1	73.6	75.9	77.1	76.5	75.9	75.9	75.9	76.5	76.5	76.5
	69.0	73.1	74.8	77.1	77.6	77.1	76.5	76.5	76.5	76.5	77.1	76.5
	63.8	70.1	73.6	76.5	77.7	76.5	75.9	75.9	75.9	76.5	76.5	76.5
	68.4	72.4	75.3	76.5	77.1	76.5	75.9	75.9	75.9	76.5	76.5	76.5
	66.7	71.3	74.8	77.1	78.2	77.1	76.5	75.9	76.5	77.7	77.1	76.5
	66.7	71.3	74.8	77.1	77.1	76.5	75.9	75.9	76.5	76.5	76.5	76.5
	66.7	71.3	74.8	76.5	77.1	76.5	75.9	75.9	75.9	76.5	77.1	76.5
	68.5	72.5	75.4	76.5	77.6	77.1	75.9	76.5	76.5	77.1	77.1	76.5
	69.0	72.4	75.3	77.1	77.7	77.1	75.9	75.9	76.5	76.5	76.5	76.5
	70.1	73.6	75.9	77.7	77.7	77.7	76.5	76.5	77.1	77.1	77.1	76.5

Table A1 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240
71	-28.0	7.0	7.0	8.1	10.4	13.9	19.1	25.4	32.8	40.3	48.4	53.5	59.3
71A	-28.0	7.0	7.0	8.2	10.5	14.5	19.7	26.1	33.6	41.8	49.3	53.9	59.7
72	-28.0	7.0	7.6	8.8	10.5	13.4	17.5	23.4	29.8	35.6	43.8	48.5	56.1
73	-23.5	7.0	8.1	8.7	9.9	11.6	13.3	16.2	18.5	20.8	28.3	35.1	46.6
74	-23.5	7.0	7.6	8.2	9.9	11.6	14.5	18.0	22.1	25.5	33.1	38.9	49.9
75	-22.8	7.0	8.1	8.7	11.0	13.3	17.3	21.2	26.9	31.5	38.9	44.6	53.7
76	-28.0	7.0	7.6	8.7	9.3	12.1	14.4	18.4	23.0	27.5	34.9	40.6	50.9
76A	-28.0	7.0	7.0	8.7	9.3	11.1	13.4	16.8	20.3	25.5	32.5	38.9	49.3
77	-28.0	7.0	7.6	8.7	9.9	12.8	16.3	20.9	25.5	31.9	40.0	45.2	53.9
78	-28.0	7.0	7.6	8.1	9.9	12.7	17.3	22.5	28.8	35.1	43.2	48.4	56.4
79	-28.0	7.0	7.6	8.7	10.4	13.3	17.9	23.7	30.0	38.6	46.6	51.2	58.1
80	-28.0	7.0	7.0	8.2	9.9	13.4	17.4	24.4	30.7	38.9	47.5	52.2	58.5
81	-28.0	7.0	7.6	8.8	10.0	14.2	18.4	25.0	32.8	40.0	49.5	53.7	59.7
81A	-28.0	7.0	7.0	8.7	10.5	14.0	18.6	25.5	32.5	41.2	48.1	52.8	59.1
82	-22.8	7.0	8.2	8.8	11.1	12.3	15.8	19.4	24.1	28.2	34.7	40.6	51.8
83	-22.8	7.0	7.6	8.8	10.5	13.5	17.6	22.3	27.6	33.5	38.8	44.7	53.5
84	-22.8	7.0	7.6	8.8	10.5	12.8	15.8	19.8	23.4	28.6	35.0	41.5	51.4
85	-22.8	—	—	—	—	—	—	—	—	—	—	—	—
86	-25.5	—	—	—	—	—	—	—	—	—	—	—	—
87	-48.0	7.0	14.6	19.3	22.2	22.8	23.9	28.0	31.5	30.4	35.6	42.0	51.4
88	-36.0	7.0	9.9	11.0	14.5	18.5	24.8	32.3	42.6	46.1	50.1	54.7	61.0
89	-48.0	7.0	9.4	10.6	14.1	18.9	26.0	33.7	42.0	50.4	54.5	58.1	62.8
90	-48.0	7.0	9.3	11.1	14.5	19.2	26.1	34.8	44.1	52.8	55.7	59.1	63.8
91	-48.0	7.0	9.8	11.6	15.5	20.1	26.9	34.9	44.6	52.0	55.4	58.3	62.8
92	-36.0	7.0	9.3	10.4	12.7	17.7	23.4	31.3	39.2	47.7	51.6	55.6	61.8
93	-36.0	7.0	9.3	11.1	13.4	17.4	23.2	30.7	38.9	47.0	51.0	54.5	60.9

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T
10.4	13.9	19.1	25.4	32.8	40.3	48.4	53.5	59.3	65.0	69.6	73.1	75.4	77.1	77.6	77.1	75.9	7
10.5	14.5	19.7	26.1	33.6	41.8	49.3	53.9	59.7	65.5	70.1	73.0	75.3	77.1	77.7	76.5	75.9	7
10.5	13.4	17.5	23.4	29.8	35.6	43.8	48.5	56.1	62.5	68.9	72.4	75.3	77.1	77.7	77.1	76.5	7
9.9	11.6	13.3	16.2	18.5	20.8	28.3	35.1	46.6	56.4	64.4	70.2	73.6	75.9	77.1	77.1	75.9	7
9.9	11.6	14.5	18.0	22.1	25.5	33.1	38.9	49.9	59.1	65.5	71.3	74.2	76.5	77.7	77.7	76.5	7
11.0	13.3	17.3	21.2	26.9	31.5	38.9	44.6	53.7	61.1	66.8	71.9	74.8	77.1	77.6	76.5	75.9	7
9.3	12.1	14.4	18.4	23.0	27.5	34.9	40.6	50.9	58.8	65.7	71.4	74.8	75.9	77.1	76.5	75.9	7
9.3	11.1	13.4	16.8	20.3	25.5	32.5	38.9	49.3	58.0	64.9	70.1	74.2	76.5	77.1	76.5	75.9	7
9.9	12.8	16.3	20.9	25.5	31.9	40.0	45.2	53.9	61.4	67.2	71.9	75.3	77.1	77.7	77.7	76.5	7
9.9	12.7	17.3	22.5	28.8	35.1	43.2	48.4	56.4	62.7	67.9	72.5	75.4	77.1	77.6	77.1	76.5	7
10.4	13.3	17.9	23.7	30.0	38.6	46.6	51.2	58.1	63.9	69.0	73.1	75.4	77.1	77.6	77.1	76.5	7
9.9	13.4	17.4	24.4	30.7	38.9	47.5	52.2	58.5	64.3	69.0	71.9	74.8	76.5	76.5	76.5	75.9	7
10.0	14.2	18.4	25.0	32.8	40.0	49.5	53.7	59.7	64.5	68.7	71.7	74.7	75.9	77.1	76.5	75.9	7
10.5	14.0	18.6	25.5	32.5	41.2	48.1	52.8	59.1	64.3	69.6	73.0	75.3	77.1	77.7	77.1	75.9	7
11.1	12.3	15.8	19.4	24.1	28.2	34.7	40.6	51.8	60.0	66.5	71.2	74.7	76.5	77.1	76.5	76.5	7
10.5	13.5	17.6	22.3	27.6	33.5	38.8	44.7	53.5	61.8	67.1	72.4	75.3	77.1	77.7	77.1	75.9	7
10.5	12.8	15.8	19.8	23.4	28.6	35.0	41.5	51.4	59.6	66.0	71.2	74.7	77.1	77.1	77.1	75.9	7
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	-
22.2	22.8	23.9	28.0	31.5	30.4	35.6	42.0	51.4	62.5	68.9	73.0	75.9	77.1	77.1	76.5	76.5	7
14.5	18.5	24.8	32.3	42.6	46.1	50.1	54.7	61.0	66.2	70.2	73.1	75.4	76.5	77.1	76.5	75.9	7
14.1	18.9	26.0	33.7	42.0	50.4	54.5	58.1	62.8	67.0	70.6	73.5	75.3	76.5	77.1	76.5	76.5	7
14.5	19.2	26.1	34.8	44.1	52.8	55.7	59.1	63.8	67.8	71.9	74.2	75.3	76.5	77.1	76.5	75.9	7
15.5	20.1	26.9	34.9	44.6	52.0	55.4	58.3	62.8	67.4	70.8	73.1	75.4	76.5	76.5	76.5	75.9	7
12.7	17.7	23.4	31.3	39.2	47.7	51.6	55.6	61.8	66.3	70.3	73.1	75.4	77.1	77.6	77.1	76.5	7
13.4	17.4	23.2	30.7	38.9	47.0	51.0	54.5	60.9	65.5	70.1	73.0	75.3	76.5	77.1	77.1	77.1	7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
65.0	69.6	73.1	75.4	77.1	77.6	77.1	75.9	75.9	76.5	77.1	77.1	76.5
65.5	70.1	73.0	75.3	77.1	77.7	76.5	75.9	75.9	76.5	77.1	77.1	76.5
62.5	68.9	72.4	75.3	77.1	77.7	77.1	76.5	76.5	76.5	77.1	77.1	76.5
56.4	64.4	70.2	73.6	75.9	77.1	77.1	75.9	75.9	76.5	76.5	76.5	76.5
59.1	65.5	71.3	74.2	76.5	77.7	77.7	76.5	76.5	76.5	77.1	77.1	76.5
61.1	66.8	71.9	74.8	77.1	77.6	76.5	75.9	75.9	76.5	77.1	77.1	76.5
58.8	65.7	71.4	74.8	75.9	77.1	76.5	75.9	75.9	75.9	77.1	76.5	76.5
58.0	64.9	70.1	74.2	76.5	77.1	76.5	75.9	75.3	75.9	76.5	76.5	76.5
61.4	67.2	71.9	75.3	77.1	77.7	77.7	76.5	76.5	76.5	77.1	77.1	76.5
62.7	67.9	72.5	75.4	77.1	77.6	77.1	76.5	76.5	76.5	76.5	77.1	76.5
63.9	69.0	73.1	75.4	77.1	77.6	77.1	76.5	75.9	76.5	77.1	77.1	76.5
64.3	69.0	71.9	74.8	76.5	76.5	76.5	75.9	75.3	75.3	76.5	75.9	76.5
64.5	68.7	71.7	74.7	75.9	77.1	76.5	75.9	75.3	75.3	75.9	76.5	76.5
64.3	69.6	73.0	75.3	77.1	77.7	77.1	75.9	75.9	75.9	76.5	77.1	76.5
60.0	66.5	71.2	74.7	76.5	77.1	76.5	76.5	75.9	76.5	76.5	76.5	76.5
61.8	67.1	72.4	75.3	77.1	77.7	77.1	75.9	75.9	76.5	77.1	77.1	76.5
59.6	66.0	71.2	74.7	77.1	77.1	77.1	75.9	75.9	76.5	77.1	77.1	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—
62.5	68.9	73.0	75.9	77.1	77.1	76.5	76.5	76.5	76.5	76.5	77.1	76.5
66.2	70.2	73.1	75.4	76.5	77.1	76.5	75.9	76.5	76.5	77.1	77.1	76.5
67.0	70.6	73.5	75.3	76.5	77.1	76.5	76.5	76.5	76.5	77.1	77.1	76.5
67.8	71.9	74.2	75.3	76.5	77.1	76.5	75.9	75.9	76.5	76.5	76.5	76.5
67.4	70.8	73.1	75.4	76.5	76.5	76.5	75.9	75.9	76.5	76.5	76.5	76.5
66.3	70.3	73.1	75.4	77.1	77.6	77.1	76.5	76.5	76.5	76.5	77.1	76.5
65.5	70.1	73.0	75.3	76.5	77.1	77.1	77.1	76.5	76.5	77.1	76.5	76.5

Table A1 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240
94	-36.0	7.0	8.7	9.8	12.1	15.0	19.5	25.8	32.1	39.5	45.2	49.7	57.1
95	-48.0	7.0	8.1	9.8	11.5	14.9	20.6	27.3	35.8	43.7	51.6	54.5	61.2
96	-48.0	7.0	8.1	10.4	11.5	16.0	21.1	27.9	35.8	44.3	51.1	54.5	60.7
97	-48.0	7.0	8.7	10.4	12.2	15.0	19.6	26.0	32.3	39.2	45.5	50.1	57.5
98	-31.0	7.0	7.6	8.9	10.8	12.1	14.6	17.7	20.9	25.3	32.3	38.6	41.8
99	-42.0	7.0	8.1	9.8	11.0	13.8	18.3	22.8	29.0	34.7	40.9	46.0	54.5
100	-27.8	7.0	8.2	9.9	11.1	14.1	18.2	23.5	28.2	35.9	42.3	47.1	55.9
101	-49.5	7.0	8.7	9.8	12.1	15.5	20.6	27.9	35.8	43.7	51.1	55.0	60.7
102	-21.6	7.0	7.6	8.7	10.4	13.8	18.4	24.1	30.9	37.8	44.0	49.2	57.1
103	-41.6	7.0	7.6	9.3	11.0	14.5	19.1	24.2	31.1	38.0	45.5	50.1	57.0
104	-17.5	7.0	7.6	9.3	10.4	13.9	18.5	24.2	31.7	38.6	45.5	50.7	57.5
105	-35.2	7.0	8.7	9.8	11.0	14.3	17.7	22.8	28.5	34.7	40.9	46.0	55.0
106	-31.3	7.0	7.6	8.7	10.4	13.8	17.2	22.8	29.0	35.3	42.0	47.1	55.6
107	-31.3	7.0	5.8	6.4	8.2	11.1	15.2	20.4	26.9	34.4	42.0	46.7	54.9
108	-23.1	7.0	8.1	8.1	9.8	11.0	13.8	17.3	20.7	25.2	32.1	38.3	49.2
109	-23.1	7.0	7.6	8.7	10.4	13.3	17.3	22.5	28.8	36.9	44.3	49.5	57.0
110	-22.8	7.0	7.6	8.1	9.3	11.0	13.3	16.8	20.8	26.0	31.7	38.0	48.9
111	-22.8	7.0	8.1	8.7	10.4	13.2	17.6	23.3	29.4	37.3	45.1	49.6	56.9
112	-22.4	7.0	8.1	8.7	8.7	11.0	13.8	17.3	20.7	25.8	32.6	38.3	49.7
113	-22.4	7.0	8.1	8.7	9.8	13.7	17.6	22.7	30.0	37.3	45.1	49.6	56.9
114	-28	7.0	7.0	8.1	9.3	11.0	13.8	17.2	21.1	26.2	33.6	39.2	49.4
114A	-28.0	7.0	7.6	8.2	9.9	11.7	14.0	17.5	21.6	25.7	33.3	39.1	49.6
115	-28.0	7.0	7.6	8.1	9.8	12.1	15.0	19.5	24.7	29.8	37.2	42.9	52.6
116	-28.0	7.0	7.0	8.1	9.9	11.6	15.0	19.6	25.4	30.5	38.6	44.9	54.1
117	-28.0	7.0	7.0	8.1	9.3	12.1	15.5	21.2	27.5	34.3	42.9	48.0	56.0
118	-28.0	7.0	7.0	8.1	9.8	12.7	16.6	22.8	29.6	37.5	44.9	49.4	57.3

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=7
2.1	15.0	19.5	25.8	32.1	39.5	45.2	49.7	57.1	64.0	68.0	71.9	75.4	77.1	77.1	77.1	76.5	76.
.5	14.9	20.6	27.3	35.8	43.7	51.6	54.5	61.2	65.8	69.7	73.1	75.4	76.5	77.6	77.1	77.1	76.
.5	16.0	21.1	27.9	35.8	44.3	51.1	54.5	60.7	65.8	70.3	73.1	75.9	77.1	77.6	77.6	76.5	75.
2.2	15.0	19.6	26.0	32.3	39.2	45.5	50.1	57.5	63.9	68.5	72.5	75.4	77.1	77.6	77.6	76.5	76.
0.8	12.1	14.6	17.7	20.9	25.3	32.3	38.6	41.8	51.2	60.1	66.4	72.1	75.2	76.5	76.5	75.9	75.
.0	13.8	18.3	22.8	29.0	34.7	40.9	46.0	54.5	61.2	66.9	71.4	74.2	75.9	77.1	76.5	76.5	75.
.1	14.1	18.2	23.5	28.2	35.9	42.3	47.1	55.9	63.0	68.3	72.4	75.3	77.1	77.7	77.7	77.1	76.
2.1	15.5	20.6	27.9	35.8	43.7	51.1	55.0	60.7	65.8	70.3	73.7	75.9	77.6	77.6	77.6	77.1	75.
0.4	13.8	18.4	24.1	30.9	37.8	44.0	49.2	57.1	63.4	68.5	72.5	74.8	77.1	77.6	77.6	77.1	75.
.0	14.5	19.1	24.2	31.1	38.0	45.5	50.1	57.0	63.9	69.0	72.5	75.4	77.1	77.6	77.6	76.5	75.
0.4	13.9	18.5	24.2	31.7	38.6	45.5	50.7	57.5	63.9	69.0	72.5	74.8	77.1	77.6	77.6	77.1	75.
.0	14.3	17.7	22.8	28.5	34.7	40.9	46.0	55.0	61.8	67.5	71.4	75.4	77.1	77.6	77.1	76.5	76.
0.4	13.8	17.2	22.8	29.0	35.3	42.0	47.1	55.6	62.4	68.0	72.5	74.8	77.1	77.6	77.6	76.5	76.
.2	11.1	15.2	20.4	26.9	34.4	42.0	46.7	54.9	61.9	67.7	71.8	74.7	76.5	77.1	77.1	75.9	76.
.8	11.0	13.8	17.3	20.7	25.2	32.1	38.3	49.2	58.3	65.7	70.2	74.8	77.1	78.2	77.6	77.1	75.
0.4	13.3	17.3	22.5	28.8	36.9	44.3	49.5	57.0	63.9	68.5	73.1	75.4	77.6	78.2	77.6	77.1	75.
.3	11.0	13.3	16.8	20.8	26.0	31.7	38.0	48.9	57.0	64.4	70.2	73.6	76.5	77.6	77.6	77.1	76.
0.4	13.2	17.6	23.3	29.4	37.3	45.1	49.6	56.9	63.6	68.1	72.0	75.4	77.1	77.6	77.1	77.1	75.
.7	11.0	13.8	17.3	20.7	25.8	32.6	38.3	49.7	58.3	64.5	69.7	73.7	76.5	77.6	77.1	76.5	75.
.8	13.7	17.6	22.7	30.0	37.3	45.1	49.6	56.9	63.0	68.1	71.5	74.8	75.9	77.1	77.1	75.9	75.
.3	11.0	13.8	17.2	21.1	26.2	33.6	39.2	49.4	57.9	64.6	70.8	74.8	77.1	77.6	77.6	76.5	75.
.9	11.7	14.0	17.5	21.6	25.7	33.3	39.1	49.6	58.4	64.8	69.5	73.6	75.9	77.7	77.1	75.9	75.
.8	12.1	15.0	19.5	24.7	29.8	37.2	42.9	52.6	60.5	66.2	71.9	75.4	77.6	78.2	77.6	77.1	76.
.9	11.6	15.0	19.6	25.4	30.5	38.6	44.9	54.1	61.6	67.3	71.9	75.4	77.6	78.2	77.6	77.1	76.
.3	12.1	15.5	21.2	27.5	34.3	42.9	48.0	56.0	62.3	68.0	71.9	75.4	77.6	78.2	77.6	76.5	76.
.8	12.7	16.6	22.8	29.6	37.5	44.9	49.4	57.3	63.5	68.6	72.5	75.4	77.1	77.6	77.6	76.5	75.

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
4.0	68.0	71.9	75.4	77.1	77.1	77.1	76.5	76.5	76.5	76.5	76.5	76.5
5.8	69.7	73.1	75.4	76.5	77.6	77.1	77.1	76.5	76.5	76.5	77.1	76.5
5.8	70.3	73.1	75.9	77.1	77.6	77.6	76.5	75.9	76.5	77.1	77.1	76.5
3.9	68.5	72.5	75.4	77.1	77.6	77.6	76.5	76.5	76.5	77.1	77.6	76.5
1.2	60.1	66.4	72.1	75.2	76.5	76.5	75.9	75.9	75.2	75.9	75.9	76.5
1.2	66.9	71.4	74.2	75.9	77.1	76.5	76.5	75.9	76.5	76.5	76.5	76.5
3.0	68.3	72.4	75.3	77.1	77.7	77.7	77.1	76.5	76.5	77.1	77.1	76.5
5.8	70.3	73.7	75.9	77.6	77.6	77.6	77.1	75.9	76.5	76.5	77.1	76.5
3.4	68.5	72.5	74.8	77.1	77.6	77.6	77.1	75.9	76.5	77.1	77.1	76.5
3.9	69.0	72.5	75.4	77.1	77.6	77.6	76.5	75.9	76.5	77.1	77.6	76.5
3.9	69.0	72.5	74.8	77.1	77.6	77.6	77.1	75.9	76.5	76.5	77.1	76.5
1.8	67.5	71.4	75.4	77.1	77.6	77.1	76.5	76.5	75.9	76.5	76.5	76.5
2.4	68.0	72.5	74.8	77.1	77.6	77.6	76.5	76.5	75.9	76.5	77.1	76.5
1.9	67.7	71.8	74.7	76.5	77.1	77.1	75.9	76.5	75.3	75.9	76.5	76.5
8.3	65.7	70.2	74.8	77.1	78.2	77.6	77.1	75.9	76.5	77.1	77.6	76.5
3.9	68.5	73.1	75.4	77.6	78.2	77.6	77.1	75.9	76.5	77.1	77.1	76.5
7.0	64.4	70.2	73.6	76.5	77.6	77.6	77.1	76.5	76.5	76.5	77.1	76.5
3.6	68.1	72.0	75.4	77.1	77.6	77.1	77.1	75.9	75.9	76.5	76.5	76.5
8.3	64.5	69.7	73.7	76.5	77.6	77.1	76.5	75.4	75.9	76.5	77.1	76.5
3.0	68.1	71.5	74.8	75.9	77.1	77.1	75.9	75.4	75.9	75.9	75.9	76.5
7.9	64.6	70.8	74.8	77.1	77.6	77.6	76.5	75.9	75.9	76.5	76.5	76.5
8.4	64.8	69.5	73.6	75.9	77.7	77.1	75.9	75.3	75.9	76.5	76.5	76.5
0.5	66.2	71.9	75.4	77.6	78.2	77.6	77.1	76.5	76.5	77.6	77.1	76.5
1.6	67.3	71.9	75.4	77.6	78.2	77.6	77.1	76.5	75.9	77.1	77.1	76.5
2.3	68.0	71.9	75.4	77.6	78.2	77.6	76.5	76.5	76.5	77.1	77.1	76.5
3.5	68.6	72.5	75.4	77.1	77.6	77.6	76.5	75.9	75.9	77.1	77.1	76.5

Table A1 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240
119	-28.0	7.0	8.1	8.7	9.8	13.2	17.6	23.3	30.0	38.9	46.2	50.7	58.0
119A	-28.0	7.0	6.4	7.0	7.6	9.5	14.4	21.1	29.1	37.8	46.4	51.9	59.9
120	-23.5	7.0	6.3	7.0	6.3	6.3	8.3	17.8	29.9	37.4	46.1	50.9	57.6
121	-23.5	7.0	7.6	8.7	9.9	12.7	16.2	21.4	27.7	34.0	42.6	47.2	55.2
122	-22.8	7.0	7.6	8.1	9.3	11.6	15.0	19.1	23.7	28.8	36.3	42.6	52.4
123	-22.8	7.0	7.6	8.7	9.3	11.0	13.3	16.2	19.6	23.1	30.0	36.9	47.8
124	-28.0	7.0	7.6	8.1	9.3	11.0	13.8	16.7	21.8	25.8	33.2	39.5	50.3
124A	-28.0	7.0	7.0	7.6	8.7	10.4	13.3	16.8	20.8	25.4	32.8	39.2	48.9
125	-28.0	7.0	7.0	7.6	8.8	10.5	14.6	18.7	23.9	29.8	38.5	43.8	53.1
126	-28.0	7.0	7.0	7.6	8.7	11.0	13.8	19.0	24.7	30.4	40.0	45.2	53.7
127	-28.0	7.0	7.0	8.1	9.3	12.2	15.6	21.4	27.7	34.6	44.3	49.5	57.0
128	-28.0	7.0	7.0	7.6	9.3	12.7	16.7	23.0	29.2	37.2	46.9	51.4	58.3
129	-28.0	7.0	7.6	8.7	9.8	13.2	17.7	24.0	31.3	38.6	48.2	52.2	59.0
129A	-28.0	7.0	7.0	7.6	9.9	12.8	17.4	23.8	31.3	39.4	48.1	52.2	59.1
130	-22.8	7.0	7.6	8.2	9.4	10.5	12.9	16.4	19.4	23.5	30.0	37.0	48.2
131	-22.8	7.0	7.6	8.7	9.9	11.6	15.1	19.2	23.8	28.4	36.0	41.2	51.6
132	-22.8	7.0	8.1	8.7	11.0	14.4	19.0	24.7	32.1	39.5	46.9	50.3	58.3
133	-22.8	7.0	7.0	8.2	9.3	11.1	13.4	16.3	19.7	23.8	30.2	36.0	48.7
134	-48.0	7.0	8.7	10.4	11.6	13.3	16.1	19.5	22.4	26.9	33.2	38.3	49.2
135	-48.0	7.0	7.6	8.2	9.3	11.1	12.8	15.7	18.6	22.1	28.4	34.8	47.0
136	-48.0	7.0	8.2	10.0	11.8	15.3	20.7	28.4	36.1	43.8	51.0	53.9	59.9
137	-36.0	7.0	8.7	11.1	13.4	17.4	22.1	29.6	37.1	45.2	51.6	55.1	61.4
138	-36.0	7.0	8.7	9.9	12.8	16.8	22.6	29.6	37.1	46.4	52.2	55.7	62.0
139	-48.0	7.0	9.3	11.0	13.2	17.7	22.8	30.7	39.2	46.6	52.8	56.2	62.4
140	-47.0	7.0	9.0	11.7	13.7	18.4	25.0	33.1	41.8	50.4	58.5	62.5	69.8
141	-51.0	7.0	9.3	10.5	12.8	17.5	22.8	29.8	38.5	46.1	52.6	56.1	61.3

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=
.8	13.2	17.6	23.3	30.0	38.9	46.2	50.7	58.0	64.2	68.7	72.6	75.4	77.1	77.1	77.1	76.5	75.
.6	9.5	14.4	21.1	29.1	37.8	46.4	51.9	59.9	64.2	69.1	73.4	75.9	77.1	78.3	77.7	77.1	76.
.3	6.3	8.3	17.8	29.9	37.4	46.1	50.9	57.6	63.7	68.4	72.5	74.5	76.5	77.2	77.2	76.5	75.
.9	12.7	16.2	21.4	27.7	34.0	42.6	47.2	55.2	62.1	67.3	71.9	74.8	77.1	77.6	77.6	76.5	75.
.3	11.6	15.0	19.1	23.7	28.8	36.3	42.6	52.4	59.8	66.7	71.9	74.8	77.1	78.2	77.6	76.5	76.
.3	11.0	13.3	16.2	19.6	23.1	30.0	36.9	47.8	57.0	64.4	70.2	74.2	76.5	77.6	77.6	77.1	76.
.3	11.0	13.8	16.7	21.8	25.8	33.2	39.5	50.3	58.3	65.7	71.4	74.8	77.1	77.6	77.6	77.1	76.
.7	10.4	13.3	16.8	20.8	25.4	32.8	39.2	48.9	58.1	65.0	70.2	74.2	76.5	77.1	77.1	76.5	75.
.8	10.5	14.6	18.7	23.9	29.8	38.5	43.8	53.1	60.7	67.2	71.8	75.3	77.7	78.3	78.3	77.1	77.
.7	11.0	13.8	19.0	24.7	30.4	40.0	45.2	53.7	61.1	66.8	70.8	74.2	76.5	77.6	77.6	76.5	75.
.3	12.2	15.6	21.4	27.7	34.6	44.3	49.5	57.0	63.3	68.5	72.5	75.4	77.1	77.6	77.6	76.5	75.
.3	12.7	16.7	23.0	29.2	37.2	46.9	51.4	58.3	64.5	69.1	73.1	75.4	77.6	78.2	77.6	77.1	75.
.8	13.2	17.7	24.0	31.3	38.6	48.2	52.2	59.0	64.6	69.2	73.1	75.9	77.1	78.2	77.6	76.5	75.
.9	12.8	17.4	23.8	31.3	39.4	48.1	52.2	59.1	64.9	69.6	73.0	75.9	77.7	78.2	77.7	77.1	76.
.4	10.5	12.9	16.4	19.4	23.5	30.0	37.0	48.2	57.1	64.7	70.6	74.1	76.5	77.7	77.7	75.9	76.
.9	11.6	15.1	19.2	23.8	28.4	36.0	41.2	51.6	59.1	66.1	70.7	74.8	76.5	77.7	77.7	76.5	75.
1.0	14.4	19.0	24.7	32.1	39.5	46.9	50.3	58.3	64.0	69.1	73.1	75.4	77.6	78.2	77.6	76.5	76.
.3	11.1	13.4	16.3	19.7	23.8	30.2	36.0	48.7	57.4	64.9	70.1	74.2	77.1	77.7	77.1	76.5	75.
1.6	13.3	16.1	19.5	22.4	26.9	33.2	38.3	49.2	58.3	65.1	70.8	74.2	77.1	78.2	77.1	76.5	76.
.3	11.1	12.8	15.7	18.6	22.1	28.4	34.8	47.0	56.8	64.3	70.1	74.8	77.1	78.2	77.7	76.5	76.
1.8	15.3	20.7	28.4	36.1	43.8	51.0	53.9	59.9	64.6	69.4	72.9	74.7	75.9	77.1	77.1	76.5	76.
3.4	17.4	22.1	29.6	37.1	45.2	51.6	55.1	61.4	66.1	70.1	73.6	75.3	77.1	77.7	77.7	77.1	76.
2.8	16.8	22.6	29.6	37.1	46.4	52.2	55.7	62.0	66.7	70.1	73.6	75.9	76.5	77.7	77.1	77.1	76.
3.2	17.7	22.8	30.7	39.2	46.6	52.8	56.2	62.4	66.3	70.3	73.7	75.4	76.5	77.1	77.1	75.9	76.
3.7	18.4	25.0	33.1	41.8	50.4	58.5	62.5	69.8	70.5	70.5	71.2	73.2	74.5	77.2	77.2	77.2	76.
2.8	17.5	22.8	29.8	38.5	46.1	52.6	56.1	61.3	66.0	70.1	73.0	75.3	77.1	77.7	77.1	77.1	76.

:300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
4.2	68.7	72.6	75.4	77.1	77.1	77.1	76.5	75.9	76.5	76.5	76.5	76.5
4.2	69.1	73.4	75.9	77.1	78.3	77.7	77.1	76.5	76.5	77.1	77.1	76.5
3.7	68.4	72.5	74.5	76.5	77.2	77.2	76.5	75.8	75.8	76.5	76.5	76.5
2.1	67.3	71.9	74.8	77.1	77.6	77.6	76.5	75.9	75.9	76.5	76.5	76.5
9.8	66.7	71.9	74.8	77.1	78.2	77.6	76.5	76.5	76.5	76.5	77.1	76.5
7.0	64.4	70.2	74.2	76.5	77.6	77.6	77.1	76.5	75.9	76.5	77.1	76.5
3.3	65.7	71.4	74.8	77.1	77.6	77.6	77.1	76.5	77.1	77.1	77.6	76.5
3.1	65.0	70.2	74.2	76.5	77.1	77.1	76.5	75.4	75.4	76.5	77.1	76.5
0.7	67.2	71.8	75.3	77.7	78.3	78.3	77.1	77.1	76.5	76.5	77.7	76.5
1.1	66.8	70.8	74.2	76.5	77.6	77.6	76.5	75.9	75.9	76.5	76.5	76.5
3.3	68.5	72.5	75.4	77.1	77.6	77.6	76.5	75.9	75.9	76.5	77.1	76.5
4.5	69.1	73.1	75.4	77.6	78.2	77.6	77.1	75.9	76.5	76.5	77.6	76.5
4.6	69.2	73.1	75.9	77.1	78.2	77.6	76.5	75.9	75.9	76.5	77.1	76.5
4.9	69.6	73.0	75.9	77.7	78.2	77.7	77.1	76.5	76.5	77.1	77.7	76.5
7.1	64.7	70.6	74.1	76.5	77.7	77.7	75.9	76.5	75.9	76.5	77.1	76.5
9.1	66.1	70.7	74.8	76.5	77.7	77.7	76.5	75.9	75.9	76.5	77.1	76.5
4.0	69.1	73.1	75.4	77.6	78.2	77.6	76.5	76.5	76.5	76.5	77.6	76.5
7.4	64.9	70.1	74.2	77.1	77.7	77.1	76.5	75.9	75.9	76.5	76.5	76.5
3.3	65.1	70.8	74.2	77.1	78.2	77.1	76.5	76.5	76.5	77.1	77.1	76.5
6.8	64.3	70.1	74.8	77.1	78.2	77.7	76.5	76.5	76.5	76.5	77.7	76.5
4.6	69.4	72.9	74.7	75.9	77.1	77.1	76.5	76.5	75.9	75.9	77.1	76.5
6.1	70.1	73.6	75.3	77.1	77.7	77.7	77.1	76.5	76.5	76.5	77.1	76.5
6.7	70.1	73.6	75.9	76.5	77.7	77.1	77.1	76.5	76.5	76.5	77.1	76.5
6.3	70.3	73.7	75.4	76.5	77.1	77.1	75.9	76.5	76.5	76.5	76.5	76.5
0.5	70.5	71.2	73.2	74.5	77.2	77.2	77.2	76.5	77.2	77.2	77.2	76.5
6.0	70.1	73.0	75.3	77.1	77.7	77.1	77.1	76.5	76.5	76.5	77.1	76.5

Table A1 (Concluded)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=
142	-45.0	7.0	8.7	11.0	13.2	17.2	22.8	30.2	38.1	46.6	52.8	56.2	61.8	66
143	-49.0	7.0	10.0	11.2	11.8	14.3	20.3	26.9	36.0	44.5	51.1	54.7	60.8	65
144	-31.0	7.0	8.8	11.1	13.5	16.4	21.7	29.4	37.0	44.1	51.2	54.7	60.6	65
144A	-31.0	7.0	8.8	9.9	12.8	16.9	22.2	29.2	37.4	44.4	52.0	56.6	62.5	66
145	-51.4	7.0	8.7	9.9	12.8	16.8	22.6	30.2	38.9	47.0	52.8	55.7	62.0	66
146	-49.0	7.0	9.2	10.9	13.2	17.6	22.7	30.0	38.9	46.2	53.0	55.8	61.9	66
147	-46.6	7.0	9.3	11.0	13.8	17.7	23.4	31.3	39.8	47.1	53.3	56.2	61.8	67
148	-45.0	7.0	9.3	11.0	13.3	17.8	23.5	30.9	40.0	47.4	53.7	56.6	62.8	66
149	-45.0	7.0	9.3	10.4	13.3	17.9	23.1	30.5	39.2	46.6	53.5	56.4	62.1	67
149A	-45.0	7.0	8.8	10.7	12.5	17.4	23.5	30.8	39.9	47.2	53.9	57.0	63.1	67
150	-45.0	7.0	9.3	10.5	13.4	17.5	22.8	30.4	39.7	47.3	54.3	57.2	62.5	67
151	-38.0	7.0	9.4	10.6	12.9	17.7	23.0	31.4	40.3	48.0	54.5	57.5	62.8	67
152	-38.0	7.0	9.3	10.4	13.2	17.2	22.8	30.2	38.6	46.6	52.8	55.6	60.7	65
153	-38.0	7.0	9.3	10.4	12.7	17.3	22.4	29.8	37.8	46.3	53.1	56.6	62.3	66
154	-38.0	7.0	8.8	10.6	12.9	17.1	23.0	30.8	39.1	47.4	53.3	56.9	62.2	67
155	-38.0	7.0	8.8	10.5	12.8	17.5	23.4	30.4	39.7	47.3	54.3	56.6	62.5	67
156	-38.0	7.0	9.8	11.6	13.3	17.8	23.5	30.9	39.5	47.4	54.3	57.1	62.8	67
157	-31.0	7.0	9.9	10.4	13.3	17.9	24.2	32.3	41.5	48.9	54.1	57.0	62.7	67
158	-31.0	7.0	9.3	10.4	13.3	17.9	23.7	31.1	40.3	48.4	54.1	56.4	62.1	66

T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900
30.2	38.1	46.6	52.8	56.2	61.8	66.3	70.3	73.1	75.4	76.5	77.6	77.6	76.5	75.9	76.5	76.5
26.9	36.0	44.5	51.1	54.7	60.8	65.6	69.9	72.9	75.3	76.5	77.1	77.7	77.1	76.5	75.9	75.9
29.4	37.0	44.1	51.2	54.7	60.6	65.9	70.0	73.0	74.7	77.1	77.1	77.1	76.5	76.5	75.9	76.5
29.2	37.4	44.4	52.0	56.6	62.5	66.6	70.7	73.6	75.9	77.1	77.7	77.1	76.5	75.9	76.5	76.5
30.2	38.9	47.0	52.8	55.7	62.0	66.1	70.7	73.6	75.3	76.5	77.7	77.1	76.5	75.9	76.5	76.5
30.0	38.9	46.2	53.0	55.8	61.9	66.4	70.3	73.1	75.4	77.1	76.5	76.5	76.5	75.9	75.9	75.9
31.3	39.8	47.1	53.3	56.2	61.8	67.5	70.3	73.1	75.9	77.1	77.1	77.1	76.5	75.9	76.5	76.5
30.9	40.0	47.4	53.7	56.6	62.8	66.8	70.8	73.7	75.4	77.1	77.1	77.6	76.5	75.9	75.9	76.5
30.5	39.2	46.6	53.5	56.4	62.1	67.3	70.2	73.6	75.4	76.5	77.1	77.1	76.5	75.9	75.9	76.5
30.8	39.9	47.2	53.9	57.0	63.1	67.4	71.0	74.1	75.9	77.1	77.7	77.1	76.5	77.1	76.5	75.9
30.4	39.7	47.3	54.3	57.2	62.5	67.2	71.2	73.6	76.5	77.7	78.3	77.7	77.1	76.5	77.1	77.7
31.4	40.3	48.0	54.5	57.5	62.8	67.6	71.7	74.1	76.5	77.1	77.7	77.1	76.5	75.9	76.5	77.1
30.2	38.6	46.6	52.8	55.6	60.7	65.8	69.7	72.0	74.2	77.6	77.6	77.6	76.5	76.5	77.1	76.5
29.8	37.8	46.3	53.1	56.6	62.3	66.8	70.8	73.7	75.9	77.1	77.6	77.1	76.5	76.5	76.5	76.5
30.8	39.1	47.4	53.3	56.9	62.2	67.6	71.2	73.5	75.9	77.1	77.1	77.1	77.1	77.1	76.5	77.1
30.4	39.7	47.3	54.3	56.6	62.5	67.2	70.7	74.2	75.9	77.1	77.7	77.1	76.5	76.5	76.5	76.5
30.9	39.5	47.4	54.3	57.1	62.8	67.4	70.8	73.7	75.9	77.1	78.2	77.1	76.5	76.5	76.5	77.1
32.3	41.5	48.9	54.1	57.0	62.7	67.3	71.3	74.2	75.9	77.1	77.6	77.6	77.1	75.9	76.5	77.1
31.1	40.3	48.4	54.1	56.4	62.1	66.7	70.2	73.6	75.9	77.1	77.6	77.6	76.5	76.5	77.1	76.5

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
6.3	70.3	73.1	75.4	76.5	77.6	77.6	76.5	75.9	76.5	76.5	76.5	76.5
5.6	69.9	72.9	75.3	76.5	77.1	77.7	77.1	76.5	75.9	75.9	76.5	76.5
5.9	70.0	73.0	74.7	77.1	77.1	77.1	76.5	76.5	75.9	76.5	77.1	76.5
6.6	70.7	73.6	75.9	77.1	77.7	77.1	76.5	75.9	76.5	76.5	77.1	76.5
6.1	70.7	73.6	75.3	76.5	77.7	77.1	76.5	75.9	76.5	76.5	76.5	76.5
6.4	70.3	73.1	75.4	77.1	76.5	76.5	76.5	75.9	75.9	75.9	76.5	76.5
7.5	70.3	73.1	75.9	77.1	77.1	77.1	76.5	75.9	76.5	76.5	77.1	76.5
6.8	70.8	73.7	75.4	77.1	77.1	77.6	76.5	75.9	75.9	76.5	76.5	76.5
7.3	70.2	73.6	75.4	76.5	77.1	77.1	76.5	75.9	75.9	76.5	75.4	76.5
7.4	71.0	74.1	75.9	77.1	77.7	77.1	76.5	77.1	76.5	75.9	77.1	76.5
7.2	71.2	73.6	76.5	77.7	78.3	77.7	77.1	76.5	77.1	77.7	77.7	76.5
7.6	71.7	74.1	76.5	77.1	77.7	77.1	76.5	75.9	76.5	77.1	76.5	76.5
5.8	69.7	72.0	74.2	77.6	77.6	77.6	76.5	76.5	77.1	76.5	77.1	76.5
6.8	70.8	73.7	75.9	77.1	77.6	77.1	76.5	76.5	76.5	76.5	77.1	76.5
7.6	71.2	73.5	75.9	77.1	77.1	77.1	77.1	77.1	76.5	77.1	77.1	76.5
7.2	70.7	74.2	75.9	77.1	77.7	77.1	76.5	76.5	76.5	76.5	76.5	76.5
7.4	70.8	73.7	75.9	77.1	78.2	77.1	76.5	76.5	76.5	77.1	77.6	76.5
7.3	71.3	74.2	75.9	77.1	77.6	77.6	77.1	75.9	76.5	77.1	77.1	76.5
6.7	70.2	73.6	75.9	77.1	77.6	77.6	76.5	76.5	77.1	76.5	76.5	76.5

Table A2
H-H Pattern System Average Piezometer Reading During Filling Operation, Type 2 Syst
Lower Pool El 7, Normal Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
UP	—	76.5	76.5	76.5	75.9	76.5	76.5	75.9	75.9	75.9	75.3	75.9	75.
LC	—	7.0	7.6	7.0	7.0	7.6	8.7	8.7	10.5	11.6	15.7	20.3	31.
LP	—	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.
1	-53.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	75.9	75.4	74.8	73.
2	-53.0	76.5	76.5	77.1	76.5	77.1	75.9	76.5	75.9	75.9	74.8	74.8	73.
3	-53.0	76.5	75.9	76.5	76.5	76.5	76.5	75.9	75.4	75.4	74.2	73.7	72.
4	-53.0	76.5	75.4	75.9	75.9	75.4	75.4	75.4	74.8	74.8	73.7	72.6	70.
5	-53.0	76.5	75.9	75.9	75.9	75.9	75.4	75.4	74.8	74.2	73.1	72.0	69.
6	-53.0	76.5	76.5	75.9	76.5	76.5	75.9	75.9	75.4	74.8	74.2	73.1	70.
7	-53.0	76.5	75.9	75.9	75.9	75.9	75.9	75.4	75.4	74.8	74.2	73.6	71.
8	-53.0	76.5	77.1	76.5	76.5	76.5	75.9	75.9	75.4	74.8	73.7	72.0	69.
9	-53.0	76.5	76.5	76.5	76.5	75.9	75.9	75.3	75.3	74.7	73.5	72.4	69.
10	-46.0	76.5	75.9	75.9	75.4	74.8	73.7	72.5	70.9	69.2	64.6	58.4	47.
11	-42.5	76.5	75.9	75.9	74.8	74.8	73.7	72.0	70.9	68.6	64.1	58.4	47.
12	-46.0	76.5	75.9	75.4	74.8	74.2	73.1	71.9	70.2	68.5	62.7	57.6	46.
13	-49.5	76.5	75.9	75.9	75.4	74.8	73.7	72.5	71.4	69.2	65.2	60.1	51.
14	-53.0	7.0	7.0	3.6	1.9	1.9	0.8	0.2	0.2	1.3	7.0	17.7	42.
15	-46.0	7.0	7.0	5.3	3.1	2.5	1.4	0.8	0.8	1.4	4.8	14.3	41.
16	-3.0	76.5	75.4	75.4	74.8	74.2	73.7	72.0	70.9	69.2	64.1	58.5	46.
17	-3.0	7.0	7.6	4.2	2.4	1.9	0.7	0.2	0.2	0.7	4.7	11.6	43.
18	-39.0	7.0	8.1	4.7	2.4	2.4	1.3	1.3	0.7	0.7	4.7	11.6	34.
19	-38.4	7.0	7.6	3.5	2.4	2.4	0.6	0.1	0.1	0.1	4.1	11.6	40.
20	-37.7	7.0	7.6	5.3	1.4	2.5	1.4	0.3	0.3	1.4	4.2	9.8	44.
21	-37.4	7.0	7.6	4.2	1.9	1.9	1.9	0.8	0.3	0.3	3.6	14.9	44.

iezometer Reading During Filling Operation, Type 2 System, Lift 69.5 ft, Valve Speed 4 Min (Constant Speed Gate Operation

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=72(
75.9	76.5	76.5	75.9	75.9	75.9	75.3	75.9	75.3	75.3	75.3	75.3	75.3	75.3	75.9	75.9	76.5
7.0	7.6	8.7	8.7	10.5	11.6	15.7	20.3	31.9	44.1	55.1	63.2	69.6	74.8	77.1	78.2	77.7
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0
76.5	76.5	76.5	76.5	75.9	75.9	75.4	74.8	73.7	73.7	74.2	75.4	75.9	75.9	75.9	76.5	76.5
76.5	77.1	75.9	76.5	75.9	75.9	74.8	74.8	73.1	73.1	74.3	74.8	75.9	75.9	75.9	76.5	76.5
76.5	76.5	76.5	75.9	75.4	75.4	74.2	73.7	72.0	72.5	73.7	74.8	75.4	75.9	75.9	76.5	75.9
75.9	75.4	75.4	75.4	74.8	74.8	73.7	72.6	70.3	71.4	72.6	73.7	74.8	74.8	75.9	75.9	75.9
75.9	75.9	75.4	75.4	74.8	74.2	73.1	72.0	69.7	70.9	71.4	73.1	74.8	75.4	75.4	75.9	75.9
76.5	76.5	75.9	75.9	75.4	74.8	74.2	73.1	70.9	71.4	72.5	74.2	74.8	75.4	75.9	75.9	76.5
75.9	75.9	75.9	75.4	75.4	74.8	74.2	73.6	71.9	72.5	73.6	74.2	74.8	75.4	75.9	75.9	75.9
76.5	76.5	75.9	75.9	75.4	74.8	73.7	72.0	69.1	70.3	72.5	74.2	75.4	75.9	76.5	76.5	76.5
76.5	75.9	75.9	75.3	75.3	74.7	73.5	72.4	69.4	70.6	72.4	73.5	74.7	75.9	75.9	76.5	76.5
75.4	74.8	73.7	72.5	70.9	69.2	64.6	58.4	47.1	52.2	60.1	65.8	70.3	73.7	75.4	75.9	75.9
74.8	74.8	73.7	72.0	70.9	68.6	64.1	58.4	47.2	52.8	60.1	65.8	70.3	73.7	75.9	75.9	75.9
74.8	74.2	73.1	71.9	70.2	68.5	62.7	57.6	46.1	51.9	59.9	65.0	69.6	73.1	75.4	75.9	75.9
75.4	74.8	73.7	72.5	71.4	69.2	65.2	60.1	51.1	56.7	62.4	67.5	70.8	73.7	75.9	76.5	75.9
1.9	1.9	0.8	0.2	0.2	1.3	7.0	17.7	42.6	52.8	60.7	66.3	70.3	73.7	75.4	75.9	76.5
3.1	2.5	1.4	0.8	0.8	1.4	4.8	14.3	41.8	53.0	59.7	65.9	70.3	73.1	75.4	75.9	75.9
74.8	74.2	73.7	72.0	70.9	69.2	64.1	58.5	46.7	52.3	59.6	65.8	70.3	73.1	74.8	75.4	76.5
2.4	1.9	0.7	0.2	0.2	0.7	4.7	11.6	43.5	53.7	61.1	66.2	71.4	74.2	75.9	76.5	76.5
2.4	2.4	1.3	1.3	0.7	0.7	4.7	11.6	34.9	49.7	58.3	65.1	69.7	73.7	75.9	76.5	77.1
2.4	2.4	0.6	0.1	0.1	0.1	4.1	11.6	40.0	52.8	59.7	65.5	70.7	73.6	75.9	76.5	76.5
1.4	2.5	1.4	0.3	0.3	1.4	4.2	9.8	44.0	54.1	60.2	66.4	70.3	73.1	74.8	75.9	76.5
1.9	1.9	1.9	0.8	0.3	0.3	3.6	14.9	44.9	54.5	61.2	66.9	70.8	73.7	75.4	75.9	75.9

Lift 69.5 ft, Valve Speed 4 Min (Constant Speed Gate Opening), Upper Pool El 76.5,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
75.3	75.3	75.3	75.3	75.3	75.9	75.9	76.5	75.9	76.5	75.9	75.9	76.5
44.1	55.1	63.2	69.6	74.8	77.1	78.2	77.7	77.1	76.5	77.1	77.7	76.5
7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
73.7	74.2	75.4	75.9	75.9	75.9	76.5	76.5	77.1	76.5	76.5	76.5	76.5
73.1	74.3	74.8	75.9	75.9	75.9	76.5	76.5	76.5	76.5	77.1	76.5	77.1
72.5	73.7	74.8	75.4	75.9	75.9	76.5	75.9	76.5	76.5	76.5	75.9	76.5
71.4	72.6	73.7	74.8	74.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.5
70.9	71.4	73.1	74.8	75.4	75.4	75.9	75.9	75.9	75.9	75.9	75.9	75.9
71.4	72.5	74.2	74.8	75.4	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5
72.5	73.6	74.2	74.8	75.4	75.9	75.9	75.9	75.9	76.5	75.9	75.9	76.5
70.3	72.5	74.2	75.4	75.9	76.5	76.5	76.5	77.1	77.1	77.1	77.1	77.1
70.6	72.4	73.5	74.7	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5
52.2	60.1	65.8	70.3	73.7	75.4	75.9	75.9	75.9	76.5	76.5	76.5	76.5
52.8	60.1	65.8	70.3	73.7	75.9	75.9	75.9	76.5	76.5	76.5	76.5	76.5
51.9	59.9	65.0	69.6	73.1	75.4	75.9	75.9	75.9	76.5	75.9	75.9	75.9
56.7	62.4	67.5	70.8	73.7	75.9	76.5	75.9	76.5	76.5	75.9	76.5	76.5
52.8	60.7	66.3	70.3	73.7	75.4	75.9	76.5	75.9	76.5	76.5	76.5	76.5
53.0	59.7	65.9	70.3	73.1	75.4	75.9	75.9	75.9	75.9	75.9	76.5	76.5
52.3	59.6	65.8	70.3	73.1	74.8	75.4	76.5	75.9	75.9	75.9	75.9	75.4
53.7	61.1	66.2	71.4	74.2	75.9	76.5	76.5	76.5	77.1	77.1	77.1	76.5
49.7	58.3	65.1	69.7	73.7	75.9	76.5	77.1	76.5	76.5	77.1	77.1	76.5
52.8	59.7	65.5	70.7	73.6	75.9	76.5	76.5	77.1	76.5	76.5	76.5	76.5
54.1	60.2	66.4	70.3	73.1	74.8	75.9	76.5	75.9	75.9	75.9	75.9	76.5
54.5	61.2	66.9	70.8	73.7	75.4	75.9	75.9	75.9	75.9	75.9	76.5	76.5

Table A2 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T
22	-37.0	7.0	8.1	4.2	2.4	2.4	0.7	0.7	0.7	0.2	3.6	16.1	
23	-36.0	7.0	0.7	7.0	4.2	3.6	1.9	0.7	0.2	2.4	7.0	21.8	
24	-35.0	7.0	8.1	6.4	3.0	4.1	0.7	1.3	3.0	5.3	7.6	17.3	
25	-33.5	7.0	8.7	8.7	5.9	6.4	4.7	4.2	3.6	8.1	9.3	22.4	
26	-32.0	7.0	8.7	8.7	8.7	9.3	7.0	5.9	7.0	13.3	11.6	28.3	
27	-31.0	7.0	9.2	9.8	9.8	9.8	8.7	11.5	12.6	15.4	26.6	29.4	
27A	-31.0	7.0	7.0	7.6	8.8	9.4	10.0	10.6	12.9	10.0	18.9	31.4	
28	-42.0	7.0	8.1	9.3	9.8	11.0	12.1	14.4	15.5	19.5	24.7	35.5	
29	-42.0	7.0	7.6	8.1	9.3	10.4	12.2	13.9	16.2	17.9	24.8	34.0	
30	-42.0	7.0	8.2	9.4	9.4	10.5	12.3	14.7	17.6	20.0	27.0	37.6	
31	-42.0	7.0	8.3	9.0	9.7	11.0	11.7	13.1	16.4	19.8	27.2	38.0	
32	-53.0	7.0	8.7	9.8	9.8	11.5	13.2	15.5	17.2	20.0	28.5	36.4	
33	-53.0	7.0	8.1	9.3	9.9	11.0	12.7	14.5	17.3	20.2	27.1	36.3	
34	-53.0	7.0	7.6	8.7	9.3	11.1	12.2	14.0	16.3	19.2	26.7	36.0	
35	-53.0	7.0	8.1	9.3	9.3	11.0	12.1	14.4	16.7	20.1	26.9	35.5	
36	-53.0	7.0	7.6	8.2	8.8	10.6	11.8	13.0	16.6	19.0	26.2	34.6	
36A	-53.0	7.0	7.6	8.2	8.7	9.9	11.6	13.4	16.3	19.2	26.1	34.8	
37	-48.0	7.0	8.1	8.7	9.2	10.9	12.0	14.3	16.5	19.9	27.2	36.7	
38	-36.0	7.0	7.0	8.2	8.7	9.9	11.6	14.0	16.3	19.2	26.1	35.4	
39	-48.0	7.0	7.6	8.7	8.7	10.4	11.6	13.3	15.0	17.9	23.7	31.7	
40	-36.0	7.0	8.1	8.1	8.7	9.9	9.9	11.6	12.2	13.9	17.3	21.9	
41	-36.0	7.0	7.6	7.6	8.2	9.4	9.9	11.7	12.3	14.7	18.2	24.7	
42	-36.0	7.0	7.6	8.2	8.8	9.3	9.9	11.1	12.8	15.2	19.8	25.1	
43	-33.0	7.0	7.0	8.2	8.7	10.5	11.6	13.4	15.7	19.7	25.5	34.8	
44	-37.0	7.0	7.0	7.6	8.2	9.3	11.1	13.4	15.7	18.0	25.0	34.2	
45	-39.0	7.0	7.6	8.8	9.3	10.5	11.7	13.4	15.8	18.7	25.7	33.9	

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
2.4	2.4	0.7	0.7	0.7	0.2	3.6	16.1	46.9	56.6	62.3	67.4	71.4	74.8	75.9	76.5	77.1
4.2	3.6	1.9	0.7	0.2	2.4	7.0	21.8	49.2	57.7	63.4	67.4	71.4	74.8	75.9	76.5	76.5
3.0	4.1	0.7	1.3	3.0	5.3	7.6	17.3	50.1	58.1	63.9	68.5	71.9	74.2	75.4	76.5	76.5
5.9	6.4	4.7	4.2	3.6	8.1	9.3	22.4	52.6	60.5	65.7	69.7	72.5	74.8	76.5	76.5	76.5
8.7	9.3	7.0	5.9	7.0	13.3	11.6	28.3	53.5	61.0	66.2	70.2	73.1	75.4	75.9	77.1	77.1
9.8	9.8	8.7	11.5	12.6	15.4	26.6	29.4	55.2	60.8	66.4	69.8	72.6	74.8	75.9	75.9	75.9
8.8	9.4	10.0	10.6	12.9	10.0	18.9	31.4	53.9	59.3	65.2	69.4	72.9	74.1	75.9	76.5	76.5
9.8	11.0	12.1	14.4	15.5	19.5	24.7	35.5	55.4	62.3	66.2	69.7	72.5	74.8	76.5	76.5	76.5
9.3	10.4	12.2	13.9	16.2	17.9	24.8	34.0	50.7	58.1	64.4	68.5	71.9	74.8	75.9	76.5	76.5
9.4	10.5	12.3	14.7	17.6	20.0	27.0	37.6	56.5	63.5	67.7	71.2	73.6	75.3	76.5	77.1	77.1
9.7	11.0	11.7	13.1	16.4	19.8	27.2	38.0	62.3	65.0	65.0	65.0	65.7	73.8	75.8	75.8	76.5
9.8	11.5	13.2	15.5	17.2	20.0	28.5	36.4	53.9	61.2	65.8	69.2	72.5	74.2	75.4	75.9	75.9
9.9	11.0	12.7	14.5	17.3	20.2	27.1	36.3	54.1	61.0	65.6	69.6	72.5	74.8	76.5	77.1	76.5
9.3	11.1	12.2	14.0	16.3	19.2	26.7	36.0	53.9	60.3	66.1	69.6	73.0	75.3	76.5	77.1	77.1
9.3	11.0	12.1	14.4	16.7	20.1	26.9	35.5	53.7	60.5	65.7	69.7	72.5	74.8	76.5	76.5	76.5
8.8	10.6	11.8	13.0	16.6	19.0	26.2	34.6	51.9	60.3	65.7	70.5	72.3	75.3	76.5	76.5	77.1
8.7	9.9	11.6	13.4	16.3	19.2	26.1	34.8	52.8	60.3	65.5	69.6	73.0	75.9	76.5	77.1	77.1
9.2	10.9	12.0	14.3	16.5	19.9	27.2	36.7	56.3	63.0	67.5	70.9	73.7	75.4	76.5	77.6	77.1
8.7	9.9	11.6	14.0	16.3	19.2	26.1	35.4	54.5	61.4	66.7	70.1	73.0	75.3	77.1	77.1	77.1
8.7	10.4	11.6	13.3	15.0	17.9	23.7	31.7	48.4	57.0	63.3	68.5	71.9	74.8	76.5	77.1	77.1
8.7	9.9	9.9	11.6	12.2	13.9	17.3	21.9	32.3	43.8	54.1	62.7	69.0	73.6	75.9	77.1	77.1
8.2	9.4	9.9	11.7	12.3	14.7	18.2	24.7	36.4	47.1	56.5	63.5	69.4	73.6	76.5	77.1	77.1
8.8	9.3	9.9	11.1	12.8	15.2	19.8	25.1	36.8	46.1	56.1	63.7	68.9	73.0	75.9	76.5	77.1
8.7	10.5	11.6	13.4	15.7	19.7	25.5	34.8	53.3	60.9	66.1	70.1	73.0	75.3	77.1	77.1	77.7
8.2	9.3	11.1	13.4	15.7	18.0	25.0	34.2	53.3	60.9	66.7	70.1	73.6	75.9	77.1	77.7	77.7
9.3	10.5	11.7	13.4	15.8	18.7	25.7	33.9	53.7	60.7	66.0	70.1	73.0	75.3	76.5	77.1	77.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
56.6	62.3	67.4	71.4	74.8	75.9	76.5	77.1	76.5	77.1	76.5	77.1	76.5
57.7	63.4	67.4	71.4	74.8	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5
58.1	63.9	68.5	71.9	74.2	75.4	76.5	76.5	76.5	76.5	76.5	76.5	76.5
60.5	65.7	69.7	72.5	74.8	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
61.0	66.2	70.2	73.1	75.4	75.9	77.1	77.1	76.5	77.1	76.5	77.1	76.5
60.8	66.4	69.8	72.6	74.8	75.9	75.9	75.9	75.9	75.9	75.9	76.5	76.5
59.3	65.2	69.4	72.9	74.1	75.9	76.5	76.5	76.5	75.9	75.9	76.5	76.5
62.3	66.2	69.7	72.5	74.8	76.5	76.5	76.5	75.9	75.9	75.9	76.5	76.5
58.1	64.4	68.5	71.9	74.8	75.9	76.5	76.5	75.9	76.5	75.9	76.5	76.5
63.5	67.7	71.2	73.6	75.3	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
65.0	65.0	65.0	65.7	73.8	75.8	75.8	76.5	76.5	76.5	76.5	76.5	76.5
61.2	65.8	69.2	72.5	74.2	75.4	75.9	75.9	75.9	75.9	75.9	75.9	76.5
61.0	65.6	69.6	72.5	74.8	76.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5
60.3	66.1	69.6	73.0	75.3	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
60.5	65.7	69.7	72.5	74.8	76.5	76.5	76.5	76.5	76.5	77.1	76.5	76.5
60.3	65.7	70.5	72.3	75.3	76.5	76.5	77.1	76.5	75.9	75.9	77.1	76.5
60.3	65.5	69.6	73.0	75.9	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
63.0	67.5	70.9	73.7	75.4	76.5	77.6	77.1	76.5	76.5	75.9	77.1	76.5
61.4	66.7	70.1	73.0	75.3	77.1	77.1	77.1	76.5	76.5	76.5	77.1	76.5
57.0	63.3	68.5	71.9	74.8	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
43.8	54.1	62.7	69.0	73.6	75.9	77.1	77.1	76.5	76.5	76.5	77.1	76.5
47.1	56.5	63.5	69.4	73.6	76.5	77.1	77.1	76.5	75.9	76.5	76.5	76.5
46.1	56.1	63.7	68.9	73.0	75.9	76.5	77.1	76.5	75.9	75.9	77.1	76.5
60.9	66.1	70.1	73.0	75.3	77.1	77.1	77.7	76.5	77.1	77.1	77.7	76.5
60.9	66.7	70.1	73.6	75.9	77.1	77.7	77.7	77.1	76.5	77.1	77.7	76.5
60.7	66.0	70.1	73.0	75.3	76.5	77.1	77.1	76.5	75.9	76.5	77.1	76.5

Table A2 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
46	-35.0	7.0	7.6	8.7	9.3	10.4	11.6	13.9	15.6	19.1	26.0	35.1	
47	-36.0	7.0	8.2	8.2	9.3	10.5	11.6	14.0	15.7	18.6	25.5	34.8	
48	-36.0	7.0	7.6	8.8	8.8	10.5	12.3	14.0	16.3	19.3	26.9	36.2	
49	-36.0	7.0	8.2	8.7	9.3	10.5	12.2	14.0	16.8	19.7	26.7	36.0	
50	-31.0	7.0	7.6	8.2	8.8	9.3	11.1	12.3	14.6	16.9	22.8	30.4	
51	-42.0	7.0	7.6	8.7	9.3	9.9	11.0	12.7	14.5	17.3	23.1	30.0	
52	-27.8	7.0	7.0	7.6	8.2	9.3	10.5	12.3	14.0	16.9	22.8	30.4	
53	-49.5	7.0	8.1	8.7	9.3	10.4	12.2	13.9	16.2	18.5	26.0	34.6	
54	-21.6	—	—	—	—	—	—	—	—	—	—	—	
55	-41.6	7.0	7.6	8.1	8.1	9.9	11.0	12.2	15.0	17.9	23.7	31.7	
56	-17.5	7.0	6.4	7.0	7.0	8.2	8.8	11.1	12.8	15.8	23.4	32.1	
57	-35.2	7.0	7.6	8.2	9.3	9.9	11.1	12.8	14.6	16.3	22.8	29.8	
58	-31.3	7.0	7.0	7.6	7.6	8.8	10.0	11.2	13.0	15.4	21.4	28.6	
59	-31.3	7.0	7.6	8.1	8.7	9.8	10.4	12.1	14.4	16.7	23.0	30.4	
60	-23.1	—	—	—	—	—	—	—	—	—	—	—	
61	-23.1	7.0	7.6	8.1	8.7	9.8	11.6	12.7	14.4	17.3	23.5	31.5	
62	-22.8	7.0	7.6	7.6	8.2	8.7	9.9	11.1	12.2	14.0	18.0	23.2	
63	-22.8	7.0	7.0	7.6	8.1	9.9	10.4	12.2	14.5	17.3	23.1	31.7	
64	-22.4	7.0	7.0	7.6	8.1	8.7	9.3	10.4	11.6	14.5	17.9	23.7	
65	-22.4	7.0	7.0	7.6	8.1	8.7	10.4	12.2	14.5	16.2	23.1	31.1	
66	-28.0	7.0	7.0	7.0	7.6	8.2	9.3	11.1	12.2	14.5	19.2	26.1	
66A	-28.0	7.0	7.6	7.6	7.6	9.3	9.9	11.6	13.3	15.6	20.8	26.5	
67	-28.0	7.0	7.0	7.6	8.2	8.7	9.9	11.1	12.8	15.7	20.3	27.3	
68	-28.0	7.0	7.0	7.6	8.2	9.3	10.5	12.2	14.0	16.3	22.1	29.6	
69	-28.0	7.0	7.6	8.1	8.7	9.3	11.0	12.7	14.4	16.7	23.0	30.9	
70	-28.0	7.0	7.6	8.1	8.1	9.3	11.0	12.2	15.0	17.3	23.7	32.3	

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
9.3	10.4	11.6	13.9	15.6	19.1	26.0	35.1	53.5	61.0	66.2	70.2	73.6	75.9	77.1	77.6	77.6
9.3	10.5	11.6	14.0	15.7	18.6	25.5	34.8	53.9	60.9	66.1	70.1	73.0	75.3	76.5	77.1	77.1
8.8	10.5	12.3	14.0	16.3	19.3	26.9	36.2	54.9	62.5	66.6	70.1	72.4	74.7	75.9	76.5	76.5
9.3	10.5	12.2	14.0	16.8	19.7	26.7	36.0	55.7	62.0	66.1	70.1	73.0	74.8	76.5	77.1	77.1
8.8	9.3	11.1	12.3	14.6	16.9	22.8	30.4	46.7	55.5	61.9	67.2	71.2	74.7	75.9	77.1	76.5
9.3	9.9	11.0	12.7	14.5	17.3	23.1	30.0	47.2	55.2	62.7	67.9	71.9	74.8	77.1	77.6	77.6
8.2	9.3	10.5	12.3	14.0	16.9	22.8	30.4	46.7	54.9	61.9	67.7	71.2	74.2	76.5	77.1	77.1
9.3	10.4	12.2	13.9	16.2	18.5	26.0	34.6	53.0	59.8	65.6	69.6	73.1	75.4	77.1	77.6	77.1
–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.1	9.9	11.0	12.2	15.0	17.9	23.7	31.7	49.5	57.5	63.3	68.5	72.5	75.4	77.1	77.6	77.6
7.0	8.2	8.8	11.1	12.8	15.8	23.4	32.1	49.1	57.2	63.7	68.3	71.8	74.7	76.5	77.1	77.1
9.3	9.9	11.1	12.8	14.6	16.3	22.8	29.8	45.0	54.3	61.3	66.6	71.2	74.2	76.5	77.1	76.5
7.6	8.8	10.0	11.2	13.0	15.4	21.4	28.6	45.9	54.9	61.5	66.9	72.3	74.7	76.5	77.1	77.1
8.7	9.8	10.4	12.1	14.4	16.7	23.0	30.4	46.3	55.4	61.7	68.0	71.4	74.8	76.5	77.1	76.5
–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.7	9.8	11.6	12.7	14.4	17.3	23.5	31.5	48.0	57.1	63.4	68.5	72.5	75.4	77.1	77.6	77.1
8.2	8.7	9.9	11.1	12.2	14.0	18.0	23.2	35.4	46.4	56.2	64.3	70.1	74.2	76.5	77.7	77.1
8.1	9.9	10.4	12.2	14.5	17.3	23.1	31.7	48.4	57.0	63.3	68.5	72.5	75.4	76.5	77.6	77.1
8.1	8.7	9.3	10.4	11.6	14.5	17.9	23.7	34.6	46.1	55.8	63.9	69.6	73.1	75.9	77.1	76.5
8.1	8.7	10.4	12.2	14.5	16.2	23.1	31.1	47.2	56.4	62.7	67.9	72.5	74.8	76.5	77.1	76.5
7.6	8.2	9.3	11.1	12.2	14.5	19.2	26.1	40.0	50.4	58.5	65.5	70.7	74.2	76.5	77.7	77.7
7.6	9.3	9.9	11.6	13.3	15.6	20.8	26.5	42.0	52.4	59.8	66.7	71.3	74.8	76.5	77.6	77.6
8.2	8.7	9.9	11.1	12.8	15.7	20.3	27.3	41.8	52.2	59.7	66.7	70.7	74.2	75.9	77.1	77.1
8.2	9.3	10.5	12.2	14.0	16.3	22.1	29.6	46.4	56.2	62.6	68.4	72.4	75.9	77.7	78.2	77.7
8.7	9.3	11.0	12.7	14.4	16.7	23.0	30.9	48.0	57.1	63.4	68.5	71.9	75.4	77.1	77.1	77.1
8.1	9.3	11.0	12.2	15.0	17.3	23.7	32.3	50.7	58.7	64.4	69.6	72.5	75.4	77.1	77.6	77.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
61.0	66.2	70.2	73.6	75.9	77.1	77.6	77.6	77.1	76.5	76.5	77.6	76.5
60.9	66.1	70.1	73.0	75.3	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
62.5	66.6	70.1	72.4	74.7	75.9	76.5	76.5	76.5	75.9	76.5	76.5	76.5
62.0	66.1	70.1	73.0	74.8	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
55.5	61.9	67.2	71.2	74.7	75.9	77.1	76.5	76.5	75.9	76.5	77.1	76.5
55.2	62.7	67.9	71.9	74.8	77.1	77.6	77.6	77.6	76.5	76.5	77.6	76.5
54.9	61.9	67.7	71.2	74.2	76.5	77.1	77.1	75.9	76.5	75.9	77.1	76.5
59.8	65.6	69.6	73.1	75.4	77.1	77.6	77.1	77.1	76.5	77.1	77.1	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
57.5	63.3	68.5	72.5	75.4	77.1	77.6	77.6	76.5	76.5	76.5	77.6	76.5
57.2	63.7	68.3	71.8	74.7	76.5	77.1	77.1	76.5	75.9	76.5	76.5	76.5
54.3	61.3	66.6	71.2	74.2	76.5	77.1	76.5	76.5	75.9	75.9	77.1	76.5
54.9	61.5	66.9	72.3	74.7	76.5	77.1	77.1	77.1	75.9	75.9	77.1	76.5
55.4	61.7	68.0	71.4	74.8	76.5	77.1	76.5	75.9	75.9	75.9	76.5	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
57.1	63.4	68.5	72.5	75.4	77.1	77.6	77.1	76.5	76.5	76.5	77.1	76.5
46.4	56.2	64.3	70.1	74.2	76.5	77.7	77.1	76.5	76.5	76.5	77.1	76.5
57.0	63.3	68.5	72.5	75.4	76.5	77.6	77.1	76.5	75.9	76.5	77.1	76.5
46.1	55.8	63.9	69.6	73.1	75.9	77.1	76.5	75.9	75.9	75.9	76.5	76.5
56.4	62.7	67.9	72.5	74.8	76.5	77.1	76.5	75.9	75.4	75.9	76.5	76.5
50.4	58.5	65.5	70.7	74.2	76.5	77.7	77.7	76.5	75.9	76.5	77.1	76.5
52.4	59.8	66.7	71.3	74.8	76.5	77.6	77.6	76.5	75.9	77.1	77.1	76.5
52.2	59.7	66.7	70.7	74.2	75.9	77.1	77.1	75.9	75.9	76.5	76.5	76.5
56.2	62.6	68.4	72.4	75.9	77.7	78.2	77.7	77.1	75.9	77.1	77.7	76.5
57.1	63.4	68.5	71.9	75.4	77.1	77.1	77.1	76.5	75.9	75.9	76.5	76.5
58.7	64.4	69.6	72.5	75.4	77.1	77.6	77.1	76.5	75.9	76.5	77.1	76.5

Table A2 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T
71	-28.0	7.0	7.6	7.6	8.1	9.3	10.4	12.1	14.4	17.3	24.1	32.6	
71A	-28.0	7.0	7.0	7.6	8.2	9.3	10.5	12.8	15.1	17.4	24.4	33.1	
72	-28.0	7.0	7.6	8.1	8.1	8.7	9.9	11.6	13.3	15.6	21.9	29.4	
73	-23.5	7.0	7.6	8.1	8.7	9.3	10.4	11.6	12.7	14.5	17.9	22.5	
74	-23.5	7.0	7.0	7.6	7.6	8.7	9.3	11.6	12.7	14.5	19.1	24.8	
75	-22.8	7.0	7.0	7.6	7.6	8.1	9.9	11.0	12.7	15.0	20.8	27.7	
76	-28.0	7.0	7.0	7.6	7.6	8.7	9.9	11.0	12.2	14.5	19.6	24.8	
76A	-28.0	7.0	7.0	7.0	7.6	8.8	8.8	10.5	11.7	13.4	17.5	23.4	
77	-28.0	7.0	7.0	7.0	8.2	8.7	9.9	11.1	12.8	15.1	20.3	27.9	
78	-28.0	7.0	7.0	8.1	8.7	9.3	10.4	12.1	14.4	16.7	21.8	29.2	
79	-28.0	7.0	7.0	7.0	7.6	8.7	9.9	11.6	13.9	16.2	23.1	30.5	
80	-28.0	7.0	6.4	7.0	7.6	8.7	9.3	11.6	13.4	16.3	22.6	31.3	
81	-28.0	7.0	6.4	7.0	7.6	8.8	10.6	11.8	14.3	16.7	23.9	32.4	
81A	-28.0	7.0	7.0	7.6	8.2	9.3	10.5	12.2	14.5	17.4	23.8	32.5	
82	-22.8	7.0	7.6	7.6	8.2	8.8	9.9	11.7	13.5	15.2	20.0	25.8	
83	-22.8	7.0	8.2	8.2	9.3	10.5	11.7	12.8	14.6	16.9	22.2	29.8	
84	-22.8	7.0	7.0	7.6	8.2	9.3	10.5	11.6	13.4	15.7	20.3	26.7	
85	-22.8	—	—	—	—	—	—	—	—	—	—	—	
86	-25.5	—	—	—	—	—	—	—	—	—	—	—	
87	-48.0	7.0	8.2	8.8	8.8	10.0	11.2	12.9	14.7	16.5	21.9	27.2	
88	-36.0	7.0	8.1	8.7	9.3	10.4	11.0	13.9	16.2	19.6	27.1	36.3	
89	-48.0	7.0	8.2	8.8	9.4	11.1	12.3	14.7	17.6	20.5	28.8	38.2	
90	-48.0	7.0	9.3	9.3	9.9	11.0	12.7	15.6	18.5	21.4	30.0	39.7	
91	-48.0	7.0	8.1	8.7	9.3	11.0	12.7	15.6	17.9	21.9	30.0	40.3	
92	-36.0	7.0	8.1	8.1	8.7	10.4	12.1	14.3	16.6	20.6	27.3	36.9	
93	-36.0	7.0	8.2	8.7	8.7	11.1	12.2	14.5	16.8	20.3	27.3	36.0	

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
3.1	9.3	10.4	12.1	14.4	17.3	24.1	32.6	51.4	59.4	64.5	69.1	73.1	75.4	77.1	77.6	77.1
3.2	9.3	10.5	12.8	15.1	17.4	24.4	33.1	51.6	59.7	65.5	70.1	73.6	75.9	77.7	78.2	77.7
3.1	8.7	9.9	11.6	13.3	15.6	21.9	29.4	46.6	55.2	61.6	67.9	71.3	74.2	75.9	77.1	76.5
3.7	9.3	10.4	11.6	12.7	14.5	17.9	22.5	34.0	46.1	56.4	63.9	69.6	74.2	77.1	77.6	77.6
7.6	8.7	9.3	11.6	12.7	14.5	19.1	24.8	38.0	48.9	58.1	65.0	70.8	74.8	77.1	77.6	77.6
7.6	8.1	9.9	11.0	12.7	15.0	20.8	27.7	42.6	52.4	61.0	66.7	71.3	74.8	77.1	77.6	77.1
7.6	8.7	9.9	11.0	12.2	14.5	19.6	24.8	38.6	50.1	59.3	65.0	70.8	74.2	76.5	78.2	77.6
7.6	8.8	8.8	10.5	11.7	13.4	17.5	23.4	37.4	47.9	57.2	64.8	70.7	74.2	76.5	77.7	77.7
3.2	8.7	9.9	11.1	12.8	15.1	20.3	27.9	42.9	53.3	60.3	66.7	71.3	74.8	77.1	77.7	77.7
3.7	9.3	10.4	12.1	14.4	16.7	21.8	29.2	45.7	56.0	62.3	68.0	71.9	75.4	77.1	77.6	77.1
7.6	8.7	9.9	11.6	13.9	16.2	23.1	30.5	48.4	57.5	63.9	69.0	72.5	75.4	77.1	77.6	77.1
7.6	8.7	9.3	11.6	13.4	16.3	22.6	31.3	48.7	58.5	63.8	68.4	72.4	74.8	77.1	77.7	77.1
7.6	8.8	10.6	11.8	14.3	16.7	23.9	32.4	50.5	59.6	65.0	69.2	72.9	74.7	76.5	77.1	76.5
3.2	9.3	10.5	12.2	14.5	17.4	23.8	32.5	50.4	58.5	64.9	69.0	73.0	75.9	77.1	77.7	77.7
3.2	8.8	9.9	11.7	13.5	15.2	20.0	25.8	39.4	50.6	59.4	65.9	71.2	74.7	76.5	77.7	77.1
9.3	10.5	11.7	12.8	14.6	16.9	22.2	29.8	44.4	53.7	61.3	67.2	72.4	74.7	77.1	77.7	77.7
3.2	9.3	10.5	11.6	13.4	15.7	20.3	26.7	40.6	50.4	58.5	65.5	70.7	74.8	77.1	77.7	77.1
–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.8	10.0	11.2	12.9	14.7	16.5	21.9	27.2	40.9	51.0	59.9	66.4	70.6	74.7	76.5	77.7	77.7
9.3	10.4	11.0	13.9	16.2	19.6	27.1	36.3	53.5	59.8	66.2	69.6	73.1	75.4	76.5	77.1	77.1
9.4	11.1	12.3	14.7	17.6	20.5	28.8	38.2	56.5	62.4	66.5	70.0	73.0	75.3	76.5	77.1	76.5
9.9	11.0	12.7	15.6	18.5	21.4	30.0	39.7	58.1	63.3	67.9	71.9	73.6	75.9	77.1	77.1	77.1
9.3	11.0	12.7	15.6	17.9	21.9	30.0	40.3	57.5	63.3	67.9	71.3	73.6	75.9	76.5	77.1	76.5
8.7	10.4	12.1	14.3	16.6	20.6	27.3	36.9	55.0	60.7	66.3	70.3	73.1	75.4	76.5	77.1	77.1
8.7	11.1	12.2	14.5	16.8	20.3	27.3	36.0	53.3	60.3	65.5	69.6	72.4	74.8	76.5	77.1	77.1

00	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
.4	64.5	69.1	73.1	75.4	77.1	77.6	77.1	75.9	75.4	75.9	76.5	76.5
.7	65.5	70.1	73.6	75.9	77.7	78.2	77.7	77.1	76.5	76.5	77.7	76.5
.2	61.6	67.9	71.3	74.2	75.9	77.1	76.5	75.9	75.4	75.9	76.5	76.5
.1	56.4	63.9	69.6	74.2	77.1	77.6	77.6	76.5	76.5	76.5	77.6	76.5
.9	58.1	65.0	70.8	74.8	77.1	77.6	77.6	76.5	76.5	76.5	77.1	76.5
.4	61.0	66.7	71.3	74.8	77.1	77.6	77.1	76.5	75.9	76.5	77.1	76.5
.1	59.3	65.0	70.8	74.2	76.5	78.2	77.6	77.1	76.5	76.5	77.1	76.5
.9	57.2	64.8	70.7	74.2	76.5	77.7	77.7	76.5	76.5	76.5	77.1	76.5
.3	60.3	66.7	71.3	74.8	77.1	77.7	77.7	76.5	75.9	76.5	77.7	76.5
.0	62.3	68.0	71.9	75.4	77.1	77.6	77.1	76.5	75.9	76.5	76.5	76.5
.5	63.9	69.0	72.5	75.4	77.1	77.6	77.1	76.5	75.9	76.5	77.6	76.5
.5	63.8	68.4	72.4	74.8	77.1	77.7	77.1	76.5	75.9	75.3	76.5	76.5
.6	65.0	69.2	72.9	74.7	76.5	77.1	76.5	75.9	75.9	76.5	76.5	76.5
.5	64.9	69.0	73.0	75.9	77.1	77.7	77.7	76.5	76.5	76.5	77.7	76.5
.6	59.4	65.9	71.2	74.7	76.5	77.7	77.1	76.5	76.5	76.5	77.1	76.5
.7	61.3	67.2	72.4	74.7	77.1	77.7	77.7	77.1	76.5	77.1	77.7	76.5
.4	58.5	65.5	70.7	74.8	77.1	77.7	77.1	76.5	75.9	76.5	77.1	76.5
	—	—	—	—	—	—	—	—	—	—	—	—
	—	—	—	—	—	—	—	—	—	—	—	—
.0	59.9	66.4	70.6	74.7	76.5	77.7	77.7	75.9	75.9	75.9	77.1	76.5
.8	66.2	69.6	73.1	75.4	76.5	77.1	77.1	76.5	75.9	76.5	77.1	76.5
.4	66.5	70.0	73.0	75.3	76.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5
.3	67.9	71.9	73.6	75.9	77.1	77.1	77.1	77.1	77.1	76.5	77.1	76.5
.3	67.9	71.3	73.6	75.9	76.5	77.1	76.5	76.5	76.5	76.5	77.1	76.5
.7	66.3	70.3	73.1	75.4	76.5	77.1	77.1	76.5	75.9	75.9	76.5	76.5
.3	65.5	69.6	72.4	74.8	76.5	77.1	77.1	75.9	75.9	75.9	76.5	76.5

Table A2 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
94	-36.0	7.0	7.6	8.1	8.7	10.4	11.0	12.7	15.0	17.8	24.1	32.1	4
95	-48.0	7.0	8.1	8.7	9.3	9.8	11.5	13.8	16.0	18.9	26.2	34.7	5
96	-48.0	7.0	7.6	8.7	8.7	10.4	11.0	13.3	15.5	18.4	25.8	34.9	5
97	-48.0	7.0	7.6	8.1	8.7	9.9	11.0	13.3	15.0	17.9	24.2	32.3	4
98	-31.0	7.0	7.7	8.3	9.0	9.7	11.0	12.3	15.0	16.4	17.0	17.0	3
99	-42.0	7.0	7.6	8.7	9.3	9.8	11.0	12.7	14.9	17.2	22.8	30.7	4
100	-27.8	7.0	7.6	8.8	8.8	9.9	11.7	12.8	14.6	16.9	23.4	30.4	4
101	-49.5	7.0	7.6	8.1	8.1	9.3	11.0	12.7	15.5	18.4	25.8	34.3	5
102	-21.6	7.0	7.0	8.1	8.1	8.7	10.4	12.1	14.4	16.7	23.5	31.5	4
103	-41.6	7.0	7.0	8.1	8.1	9.3	11.0	12.2	14.5	16.8	23.7	31.7	4
104	-17.5	7.0	6.4	8.1	8.1	9.3	10.4	12.2	13.9	17.3	23.7	32.3	4
105	-35.2	7.0	7.6	8.1	8.1	9.3	10.4	12.2	14.5	16.2	22.5	30.0	4
106	-31.3	7.0	7.0	7.6	8.1	9.3	10.4	11.6	13.9	16.2	22.5	30.0	4
107	-31.3	7.0	8.1	8.1	8.1	8.7	9.8	12.1	14.4	17.3	23.0	30.4	4
108	-23.1	7.0	7.0	7.6	7.6	8.7	9.3	10.4	12.1	14.4	18.4	24.1	3
109	-23.1	7.0	7.6	8.1	8.7	9.3	10.4	12.2	14.5	16.8	23.1	31.1	4
110	-22.8	7.0	7.0	7.6	8.2	8.7	9.3	11.1	12.2	14.0	19.2	24.4	3
111	-22.8	7.0	7.0	7.0	8.1	8.7	9.3	11.0	13.9	16.2	22.5	30.5	4
112	-22.4	7.0	7.6	7.6	7.6	8.7	9.3	10.5	12.2	14.0	18.6	24.4	3
113	-22.4	7.0	7.0	8.1	8.1	9.3	9.8	12.1	13.8	16.7	23.0	31.5	4
114	-28.0	7.0	7.6	8.1	8.1	8.7	9.8	11.0	12.7	14.4	19.0	25.2	3
114A	-28.0	7.0	7.6	7.6	8.2	9.4	10.0	10.6	12.9	14.1	19.5	25.4	3
115	-28.0	7.0	7.6	8.1	8.1	8.7	9.8	11.6	13.3	15.5	20.7	26.9	4
116	-28.0	7.0	7.6	7.6	8.1	8.7	9.9	11.6	12.7	15.6	20.8	27.7	4
117	-28.0	7.0	7.0	7.0	7.6	8.7	9.8	11.0	13.3	15.5	21.8	29.8	4
118	-28.0	7.0	7.0	7.0	7.6	8.7	9.8	11.6	13.8	16.1	22.4	30.4	4

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=
8.7	10.4	11.0	12.7	15.0	17.8	24.1	32.1	48.6	57.1	63.4	68.0	71.9	74.8	76.5	77.1	77.1	7
9.3	9.8	11.5	13.8	16.0	18.9	26.2	34.7	53.9	60.7	66.3	70.3	73.1	75.4	77.1	77.6	77.1	7
8.7	10.4	11.0	13.3	15.5	18.4	25.8	34.9	53.1	60.0	65.7	69.7	73.1	75.4	76.5	77.1	77.1	7
8.7	9.9	11.0	13.3	15.0	17.9	24.2	32.3	48.9	57.0	62.7	67.9	71.3	74.2	75.9	77.1	76.5	7
9.0	9.7	11.0	12.3	15.0	16.4	17.0	17.0	31.7	45.1	55.8	63.8	69.8	73.8	76.5	77.8	77.8	7
9.3	9.8	11.0	12.7	14.9	17.2	22.8	30.7	45.4	54.5	61.2	67.5	71.4	74.8	77.1	77.1	77.1	7
8.8	9.9	11.7	12.8	14.6	16.9	23.4	30.4	46.7	55.5	62.5	67.7	71.8	74.7	77.1	77.7	77.7	7
8.1	9.3	11.0	12.7	15.5	18.4	25.8	34.3	53.1	60.5	65.1	69.7	73.1	75.4	77.1	77.1	77.1	7
8.1	8.7	10.4	12.1	14.4	16.7	23.5	31.5	48.0	57.1	62.8	68.0	71.9	74.8	77.1	77.6	77.1	7
8.1	9.3	11.0	12.2	14.5	16.8	23.7	31.7	48.9	57.0	62.7	68.5	72.5	74.8	76.5	77.6	77.1	7
8.1	9.3	10.4	12.2	13.9	17.3	23.7	32.3	49.5	57.5	63.3	69.0	72.5	75.4	77.1	77.6	77.1	7
8.1	9.3	10.4	12.2	14.5	16.2	22.5	30.0	46.1	55.2	62.1	67.3	71.9	74.8	77.1	77.6	77.6	7
8.1	9.3	10.4	11.6	13.9	16.2	22.5	30.0	46.6	55.8	62.7	67.9	71.9	75.4	77.6	78.2	77.6	7
8.1	8.7	9.8	12.1	14.4	17.3	23.0	30.4	46.9	56.0	62.8	68.0	71.9	74.8	77.1	77.1	77.1	7
7.6	8.7	9.3	10.4	12.1	14.4	18.4	24.1	37.2	49.2	57.1	64.5	69.7	73.7	76.5	77.1	76.5	7
8.7	9.3	10.4	12.2	14.5	16.8	23.1	31.1	48.4	57.0	62.7	68.5	72.5	75.4	77.1	77.6	77.6	7
8.2	8.7	9.3	11.1	12.2	14.0	19.2	24.4	38.9	49.3	57.4	64.3	70.1	74.2	76.5	77.1	77.1	7
8.1	8.7	9.3	11.0	13.9	16.2	22.5	30.5	48.4	57.0	63.3	68.5	72.5	75.9	77.1	78.2	77.6	7
7.6	8.7	9.3	10.5	12.2	14.0	18.6	24.4	38.3	49.3	58.0	64.3	70.1	74.2	77.1	77.7	77.7	7
8.1	9.3	9.8	12.1	13.8	16.7	23.0	31.5	48.6	57.7	63.4	68.5	72.5	75.4	77.1	77.6	77.6	7
8.1	8.7	9.8	11.0	12.7	14.4	19.0	25.2	38.3	49.7	58.3	65.1	70.8	74.8	77.6	78.2	77.6	7
8.2	9.4	10.0	10.6	12.9	14.1	19.5	25.4	39.1	49.2	58.1	64.6	70.0	74.1	77.1	78.3	77.7	7
8.1	8.7	9.8	11.6	13.3	15.5	20.7	26.9	42.3	52.0	60.5	66.2	71.4	74.8	77.1	78.2	78.2	7
8.1	8.7	9.9	11.6	12.7	15.6	20.8	27.7	43.8	53.5	61.0	67.3	71.9	75.4	77.6	78.2	78.2	7
7.6	8.7	9.8	11.0	13.3	15.5	21.8	29.8	46.3	55.4	62.3	67.4	71.9	75.4	77.1	77.6	77.1	7
7.6	8.7	9.8	11.6	13.8	16.1	22.4	30.4	48.6	57.1	62.8	68.0	71.9	74.8	77.1	77.6	77.1	7

T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
48.6	57.1	63.4	68.0	71.9	74.8	76.5	77.1	77.1	76.5	75.9	75.9	76.5	76.5
53.9	60.7	66.3	70.3	73.1	75.4	77.1	77.6	77.1	77.1	76.5	76.5	77.6	76.5
53.1	60.0	65.7	69.7	73.1	75.4	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
48.9	57.0	62.7	67.9	71.3	74.2	75.9	77.1	76.5	75.9	75.9	75.4	76.5	76.5
31.7	45.1	55.8	63.8	69.8	73.8	76.5	77.8	77.8	77.2	76.5	76.5	77.2	76.5
45.4	54.5	61.2	67.5	71.4	74.8	77.1	77.1	77.1	77.1	76.5	76.5	76.5	76.5
46.7	55.5	62.5	67.7	71.8	74.7	77.1	77.7	77.7	76.5	76.5	75.9	77.1	76.5
53.1	60.5	65.1	69.7	73.1	75.4	77.1	77.1	77.1	77.1	75.9	76.5	77.1	76.5
48.0	57.1	62.8	68.0	71.9	74.8	77.1	77.6	77.1	76.5	76.5	76.5	76.5	76.5
48.9	57.0	62.7	68.5	72.5	74.8	76.5	77.6	77.1	76.5	75.9	75.9	76.5	76.5
49.5	57.5	63.3	69.0	72.5	75.4	77.1	77.6	77.1	76.5	76.5	76.5	77.1	76.5
46.1	55.2	62.1	67.3	71.9	74.8	77.1	77.6	77.6	77.1	76.5	76.5	77.6	76.5
46.6	55.8	62.7	67.9	71.9	75.4	77.6	78.2	77.6	76.5	76.5	76.5	77.1	76.5
46.9	56.0	62.8	68.0	71.9	74.8	77.1	77.1	77.1	76.5	75.9	76.5	77.1	76.5
37.2	49.2	57.1	64.5	69.7	73.7	76.5	77.1	76.5	76.5	75.4	75.9	76.5	76.5
48.4	57.0	62.7	68.5	72.5	75.4	77.1	77.6	77.6	77.1	77.1	76.5	77.1	76.5
38.9	49.3	57.4	64.3	70.1	74.2	76.5	77.1	77.1	75.9	75.3	75.9	76.5	76.5
48.4	57.0	63.3	68.5	72.5	75.9	77.1	78.2	77.6	77.1	76.5	76.5	77.6	76.5
38.3	49.3	58.0	64.3	70.1	74.2	77.1	77.7	77.7	76.5	75.9	76.5	77.1	76.5
48.6	57.7	63.4	68.5	72.5	75.4	77.1	77.6	77.6	77.1	75.9	75.9	77.1	76.5
38.3	49.7	58.3	65.1	70.8	74.8	77.6	78.2	77.6	76.5	75.9	76.5	77.6	76.5
39.1	49.2	58.1	64.6	70.0	74.1	77.1	78.3	77.7	76.5	76.5	76.5	77.7	76.5
42.3	52.0	60.5	66.2	71.4	74.8	77.1	78.2	78.2	77.1	76.5	76.5	77.1	76.5
43.8	53.5	61.0	67.3	71.9	75.4	77.6	78.2	78.2	77.1	76.5	75.9	76.5	76.5
46.3	55.4	62.3	67.4	71.9	75.4	77.1	77.6	77.1	76.5	75.9	75.9	77.1	76.5
48.6	57.1	62.8	68.0	71.9	74.8	77.1	77.6	77.1	76.5	75.4	75.9	76.5	76.5

Table A2 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
119	-28.0	7.0	7.6	7.6	8.1	9.3	10.4	12.1	13.8	16.7	23.5	31.5	50
119A	-28.0	7.0	5.6	5.6	5.6	5.6	5.6	5.6	6.3	7.0	12.6	24.4	45
120	-23.5	7.0	7.6	8.9	9.6	10.9	12.2	14.1	16.1	19.3	25.8	34.9	55
121	-23.5	7.0	7.0	8.2	8.2	8.7	10.5	11.6	14.0	15.7	21.5	29.0	45
122	-22.8	7.0	7.6	8.2	8.2	9.3	9.9	11.1	12.8	14.5	19.7	26.7	41
123	-22.8	7.0	7.0	7.6	7.6	8.7	9.3	10.5	11.6	13.4	18.0	23.2	36
124	-28.0	7.0	7.6	7.6	8.1	8.7	9.3	11.0	12.1	14.4	19.0	24.7	38
124A	-28.0	7.0	7.0	7.6	7.6	8.7	9.3	10.5	12.2	14.0	19.2	24.4	38
125	-28.0	7.0	7.6	8.2	8.7	9.3	9.9	11.6	13.4	15.1	20.3	27.3	42
126	-28.0	7.0	7.0	7.6	7.6	8.1	9.3	10.4	12.2	14.5	20.2	27.1	43
127	-28.0	7.0	7.0	7.6	8.2	8.7	9.9	11.6	13.4	15.7	22.1	29.6	47
128	-28.0	7.0	7.6	7.6	7.6	8.7	9.9	11.6	13.3	16.2	22.5	31.1	48
129	-28.0	7.0	7.0	7.0	7.6	8.7	9.9	11.6	13.9	16.8	23.7	31.7	50
129A	-28.0	7.0	7.0	7.6	8.2	8.7	9.9	11.6	14.0	16.3	23.8	31.9	51
130	-22.8	7.0	7.0	7.6	8.2	8.2	9.4	10.0	11.8	13.6	17.3	23.3	35
131	-22.8	7.0	7.6	8.2	8.2	9.3	10.5	12.2	12.8	15.7	20.9	27.3	40
132	-22.8	7.0	7.0	7.6	8.7	9.3	11.0	12.7	15.0	17.3	23.5	32.1	49
133	-22.8	7.0	7.0	7.6	7.6	8.8	9.3	10.5	12.3	14.0	18.1	23.9	36
134	-48.0	7.0	7.6	8.2	8.2	8.7	9.9	11.6	13.4	15.1	19.7	26.1	38
135	-48.0	7.0	8.1	8.1	8.1	9.3	9.9	11.6	12.7	14.5	18.5	23.1	35
136	-48.0	7.0	8.2	8.8	9.4	10.6	11.8	14.2	16.0	19.0	26.2	35.2	54
137	-36.0	7.0	8.2	9.3	9.3	10.5	12.2	14.5	16.8	19.7	27.3	36.0	55
138	-36.0	7.0	8.2	8.7	9.3	11.1	12.2	14.0	16.8	20.3	27.9	36.5	55
139	-48.0	7.0	8.1	9.3	9.3	11.0	12.1	14.4	17.3	20.1	28.1	37.2	56
140	-47.0	7.0	8.3	9.6	9.6	11.0	13.0	14.9	18.3	21.6	30.2	39.4	60
141	-51.0	7.0	7.0	8.2	8.8	10.0	11.2	13.0	15.4	19.0	26.8	35.8	54

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
8.1	9.3	10.4	12.1	13.8	16.7	23.5	31.5	50.3	57.7	63.4	69.1	72.5	75.4	77.6	78.2	77.6
5.6	5.6	5.6	5.6	6.3	7.0	12.6	24.4	45.9	55.7	61.9	68.2	71.6	75.1	77.2	77.9	77.9
9.6	10.9	12.2	14.1	16.1	19.3	25.8	34.9	55.7	63.5	63.5	64.2	68.1	70.7	72.6	73.9	74.6
8.2	8.7	10.5	11.6	14.0	15.7	21.5	29.0	45.8	55.7	62.0	67.8	71.9	74.8	76.5	77.7	77.1
8.2	9.3	9.9	11.1	12.8	14.5	19.7	26.7	41.2	51.6	59.7	66.7	71.9	74.8	77.1	78.2	78.2
7.6	8.7	9.3	10.5	11.6	13.4	18.0	23.2	36.0	47.5	56.8	64.3	70.1	74.2	76.5	78.2	77.7
8.1	8.7	9.3	11.0	12.1	14.4	19.0	24.7	38.3	49.2	58.3	65.1	70.2	73.7	76.5	77.6	77.6
7.6	8.7	9.3	10.5	12.2	14.0	19.2	24.4	38.3	49.3	58.0	65.5	70.1	74.2	77.1	77.7	77.1
8.7	9.3	9.9	11.6	13.4	15.1	20.3	27.3	42.9	53.3	60.3	66.7	71.9	74.8	77.1	78.2	77.7
7.6	8.1	9.3	10.4	12.2	14.5	20.2	27.1	43.8	54.1	61.0	66.7	71.3	74.8	76.5	77.6	77.6
8.2	8.7	9.9	11.6	13.4	15.7	22.1	29.6	47.5	56.8	63.2	68.4	72.4	75.9	77.1	78.2	78.2
7.6	8.7	9.9	11.6	13.3	16.2	22.5	31.1	48.9	57.5	63.9	68.5	72.5	75.4	77.1	77.6	77.6
7.6	8.7	9.9	11.6	13.9	16.8	23.7	31.7	50.7	59.3	64.4	69.0	73.1	75.9	77.1	78.2	77.6
8.2	8.7	9.9	11.6	14.0	16.3	23.8	31.9	51.0	58.5	64.3	69.0	73.0	75.3	77.1	78.2	77.7
8.2	8.2	9.4	10.0	11.8	13.6	17.3	23.3	35.4	47.5	57.2	64.4	70.5	74.1	77.1	78.3	77.7
8.2	9.3	10.5	12.2	12.8	15.7	20.9	27.3	40.0	51.0	59.1	66.1	71.3	74.2	76.5	77.1	77.1
8.7	9.3	11.0	12.7	15.0	17.3	23.5	32.1	49.7	57.1	64.0	68.0	72.5	75.4	77.1	77.6	77.1
7.6	8.8	9.3	10.5	12.3	14.0	18.1	23.9	36.8	47.9	57.8	64.2	70.1	74.7	77.1	77.7	77.7
8.2	8.7	9.9	11.6	13.4	15.1	19.7	26.1	38.3	48.7	58.0	65.5	70.7	74.2	77.1	77.7	77.7
8.1	9.3	9.9	11.6	12.7	14.5	18.5	23.1	35.1	46.1	56.4	64.4	70.2	74.2	77.1	78.2	77.6
9.4	10.6	11.8	14.2	16.0	19.0	26.2	35.2	54.3	60.9	65.1	69.9	72.9	75.3	76.5	77.1	77.1
9.3	10.5	12.2	14.5	16.8	19.7	27.3	36.0	55.1	61.4	65.5	70.1	73.6	75.3	76.5	77.7	77.1
9.3	11.1	12.2	14.0	16.8	20.3	27.9	36.5	55.1	61.4	66.1	70.1	73.6	75.9	77.1	77.7	77.7
9.3	11.0	12.1	14.4	17.3	20.1	28.1	37.2	56.0	61.7	66.8	70.2	73.7	75.4	77.1	77.6	77.6
9.6	11.0	13.0	14.9	18.3	21.6	30.2	39.4	60.6	69.2	69.2	69.2	69.2	71.9	74.5	75.2	75.8
8.8	10.0	11.2	13.0	15.4	19.0	26.8	35.8	54.9	61.5	65.7	69.3	73.5	75.3	76.5	77.1	76.5

300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
7.7	63.4	69.1	72.5	75.4	77.6	78.2	77.6	77.1	76.5	76.5	77.1	76.5
5.7	61.9	68.2	71.6	75.1	77.2	77.9	77.9	76.5	75.8	75.8	76.5	76.5
3.5	63.5	64.2	68.1	70.7	72.6	73.9	74.6	75.2	75.2	75.2	76.5	76.5
5.7	62.0	67.8	71.9	74.8	76.5	77.7	77.1	76.5	75.9	75.9	77.1	76.5
1.6	59.7	66.7	71.9	74.8	77.1	78.2	78.2	77.1	76.5	77.1	77.1	76.5
7.5	56.8	64.3	70.1	74.2	76.5	78.2	77.7	76.5	76.5	76.5	77.1	76.5
9.2	58.3	65.1	70.2	73.7	76.5	77.6	77.6	77.1	75.9	75.9	77.1	76.5
9.3	58.0	65.5	70.1	74.2	77.1	77.7	77.1	76.5	75.9	75.9	77.1	76.5
3.3	60.3	66.7	71.9	74.8	77.1	78.2	77.7	77.1	76.5	76.5	77.7	76.5
4.1	61.0	66.7	71.3	74.8	76.5	77.6	77.6	76.5	75.9	75.9	77.1	76.5
6.8	63.2	68.4	72.4	75.9	77.1	78.2	78.2	76.5	76.5	76.5	77.1	76.5
7.5	63.9	68.5	72.5	75.4	77.1	77.6	77.6	76.5	75.9	75.9	76.5	76.5
9.3	64.4	69.0	73.1	75.9	77.1	78.2	77.6	76.5	76.5	76.5	77.1	76.5
8.5	64.3	69.0	73.0	75.3	77.1	78.2	77.7	76.5	75.9	76.5	77.1	76.5
7.5	57.2	64.4	70.5	74.1	77.1	78.3	77.7	77.1	76.5	76.5	77.1	76.5
1.0	59.1	66.1	71.3	74.2	76.5	77.1	77.1	76.5	75.9	75.9	76.5	76.5
7.1	64.0	68.0	72.5	75.4	77.1	77.6	77.1	76.5	75.9	75.9	76.5	76.5
7.9	57.8	64.2	70.1	74.7	77.1	77.7	77.7	76.5	76.5	76.5	77.1	76.5
8.7	58.0	65.5	70.7	74.2	77.1	77.7	77.7	77.1	76.5	76.5	77.7	76.5
6.1	56.4	64.4	70.2	74.2	77.1	78.2	77.6	76.5	75.9	76.5	77.1	76.5
0.9	65.1	69.9	72.9	75.3	76.5	77.1	77.1	77.1	77.1	76.5	77.1	76.5
1.4	65.5	70.1	73.6	75.3	76.5	77.7	77.1	76.5	76.5	76.5	77.1	76.5
1.4	66.1	70.1	73.6	75.9	77.1	77.7	77.7	77.1	76.5	76.5	77.1	76.5
1.7	66.8	70.2	73.7	75.4	77.1	77.6	77.6	76.5	76.5	77.1	77.1	76.5
9.2	69.2	69.2	69.2	71.9	74.5	75.2	75.8	75.8	75.2	75.8	75.8	76.5
1.5	65.7	69.3	73.5	75.3	76.5	77.1	76.5	76.5	75.9	76.5	76.5	76.5

Table A2 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
142	-45.0	7.0	8.1	9.3	9.3	11.6	12.7	15.0	17.3	20.1	27.5	37.2	55.
143	-49.0	7.0	7.6	8.8	9.4	11.2	12.4	14.3	17.9	20.9	28.8	38.4	54.
144	-31.0	7.0	7.6	8.2	9.4	10.6	11.8	13.6	16.6	19.0	26.8	35.8	54.
144A	-31.0	7.0	7.6	8.8	9.4	10.5	11.7	13.5	16.4	18.8	26.4	35.3	54.
145	-51.4	7.0	8.2	8.8	9.3	10.5	11.7	14.0	16.3	19.8	27.4	37.4	55.
146	-49.0	7.0	8.1	8.7	9.3	10.4	12.7	14.4	16.1	19.5	26.9	36.1	55.
147	-46.6	7.0	8.1	9.3	9.8	11.0	12.7	14.3	17.2	20.0	27.9	36.9	55.
148	-45.0	7.0	7.6	8.7	9.3	10.5	12.2	14.0	16.8	19.7	27.9	37.1	56.
149	-45.0	7.0	8.2	9.3	9.9	11.1	12.3	14.6	16.9	20.4	27.4	36.8	56.
149A	-45.0	7.0	7.5	8.9	8.9	10.7	11.3	13.8	15.7	19.4	27.5	37.4	56.
150	-45.0	7.0	8.8	9.3	9.3	11.1	12.3	14.6	16.9	19.8	27.4	36.8	56.
151	-38.0	7.0	8.2	8.8	8.8	10.0	11.3	13.7	16.1	19.2	27.1	36.9	56.
152	-38.0	7.0	8.2	8.7	9.3	10.5	11.6	14.0	16.3	19.7	27.3	36.5	56.
153	-38.0	7.0	7.6	8.1	9.3	10.4	12.2	13.9	16.2	19.1	27.1	36.3	55.
154	-38.0	7.0	7.6	8.8	8.8	9.4	11.3	13.1	15.5	18.6	26.5	36.3	55.
155	-38.0	7.0	8.2	8.8	9.4	10.5	11.7	14.1	16.4	19.4	27.0	37.0	55.
156	-38.0	7.0	8.1	9.3	9.3	10.4	12.7	13.9	17.3	20.2	27.7	37.4	55.
157	-31.0	7.0	8.7	9.3	9.9	11.6	12.7	14.5	17.3	20.8	28.8	38.0	56.
158	-31.0	7.0	8.1	8.7	9.3	11.0	12.2	14.5	16.8	20.2	28.3	37.4	55.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.3	11.6	12.7	15.0	17.3	20.1	27.5	37.2	55.4	62.3	66.2	70.2	73.7	75.4	76.5	77.1	77.1
.4	11.2	12.4	14.3	17.9	20.9	28.8	38.4	54.1	60.8	65.6	69.9	72.9	75.3	76.5	77.7	77.1
.4	10.6	11.8	13.6	16.6	19.0	26.8	35.8	54.9	61.5	66.3	69.9	63.5	75.3	77.1	77.1	77.7
.4	10.5	11.7	13.5	16.4	18.8	26.4	35.3	54.7	61.8	66.5	70.0	73.0	75.3	76.5	77.7	77.1
.3	10.5	11.7	14.0	16.3	19.8	27.4	37.4	55.5	61.9	66.6	70.7	73.6	75.9	76.5	77.7	77.7
.3	10.4	12.7	14.4	16.1	19.5	26.9	36.1	55.4	61.7	66.2	70.2	73.1	75.4	76.5	77.1	77.1
.8	11.0	12.7	14.3	17.2	20.0	27.9	36.9	55.6	61.8	66.3	70.3	73.1	75.4	76.5	77.1	77.1
.3	10.5	12.2	14.0	16.8	19.7	27.9	37.1	56.2	62.0	67.2	70.7	73.6	75.9	77.1	77.7	77.7
.9	11.1	12.3	14.6	16.9	20.4	27.4	36.8	56.1	63.1	66.6	70.7	74.2	75.9	77.1	77.7	77.1
.9	10.7	11.3	13.8	15.7	19.4	27.5	37.4	56.6	62.8	66.6	70.9	74.0	75.9	77.1	77.7	77.7
.3	11.1	12.3	14.6	16.9	19.8	27.4	36.8	56.6	62.5	67.2	70.7	73.6	75.9	77.1	77.7	77.1
.8	10.0	11.3	13.7	16.1	19.2	27.1	36.9	56.4	62.5	67.4	71.0	74.1	75.9	77.1	77.7	77.1
.3	10.5	11.6	14.0	16.3	19.7	27.3	36.5	56.2	62.0	66.7	70.1	73.0	75.9	77.1	77.7	77.7
.3	10.4	12.2	13.9	16.2	19.1	27.1	36.3	55.2	61.6	66.2	70.2	73.1	75.4	76.5	77.6	77.1
.8	9.4	11.3	13.1	15.5	18.6	26.5	36.3	55.8	61.9	66.7	70.4	73.5	75.9	77.1	77.7	77.7
.4	10.5	11.7	14.1	16.4	19.4	27.0	37.0	55.9	62.4	66.5	70.6	73.0	75.3	76.5	77.1	77.1
.3	10.4	12.7	13.9	17.3	20.2	27.7	37.4	55.8	62.7	66.7	70.8	73.6	75.9	77.1	77.1	77.1
.9	11.6	12.7	14.5	17.3	20.8	28.8	38.0	56.4	62.1	67.3	70.8	73.6	75.9	76.5	77.6	77.1
.3	11.0	12.2	14.5	16.8	20.2	28.3	37.4	55.8	61.6	66.2	70.2	73.1	75.4	76.5	77.1	77.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
62.3	66.2	70.2	73.7	75.4	76.5	77.1	77.1	76.5	76.5	76.5	77.1	76.5
60.8	65.6	69.9	72.9	75.3	76.5	77.7	77.1	76.5	76.5	76.5	77.1	76.5
61.5	66.3	69.9	63.5	75.3	77.1	77.1	77.7	77.1	76.5	76.5	77.1	76.5
61.8	66.5	70.0	73.0	75.3	76.5	77.7	77.1	77.1	75.9	75.9	77.1	76.5
61.9	66.6	70.7	73.6	75.9	76.5	77.7	77.7	76.5	76.5	76.5	77.1	76.5
61.7	66.2	70.2	73.1	75.4	76.5	77.1	77.1	76.5	75.9	76.5	76.5	76.5
61.8	66.3	70.3	73.1	75.4	76.5	77.1	77.1	76.5	75.4	75.9	75.9	76.5
62.0	67.2	70.7	73.6	75.9	77.1	77.7	77.7	77.1	76.5	75.9	77.1	76.5
63.1	66.6	70.7	74.2	75.9	77.1	77.7	77.1	76.5	76.5	76.5	77.1	76.5
62.8	66.6	70.9	74.0	75.9	77.1	77.7	77.7	76.5	76.5	76.5	77.1	76.5
62.5	67.2	70.7	73.6	75.9	77.1	77.7	77.1	77.1	76.5	76.5	77.1	76.5
62.5	67.4	71.0	74.1	75.9	77.1	77.7	77.1	76.5	76.5	76.5	77.1	76.5
62.0	66.7	70.1	73.0	75.9	77.1	77.7	77.7	76.5	76.5	76.5	77.1	76.5
61.6	66.2	70.2	73.1	75.4	76.5	77.6	77.1	76.5	75.9	75.9	76.5	76.5
61.9	66.7	70.4	73.5	75.9	77.1	77.7	77.7	76.5	76.5	76.5	77.1	76.5
62.4	66.5	70.6	73.0	75.3	76.5	77.1	77.1	76.5	75.9	75.9	76.5	76.5
62.7	66.7	70.8	73.6	75.9	77.1	77.1	77.1	76.5	75.9	75.9	77.1	76.5
62.1	67.3	70.8	73.6	75.9	76.5	77.6	77.1	76.5	76.5	75.9	76.5	76.5
61.6	66.2	70.2	73.1	75.4	76.5	77.1	77.1	76.5	75.9	76.5	77.1	76.5

Table A3
H-H Pattern System Average Piezometer Reading During Filling Operation, Type 2 Syst
Lower Pool El 7, Single Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
UP	—	76.5	75.9	76.5	76.5	75.9	75.9	75.3	75.3	75.3	75.3	75.3	75.
LC	—	7.0	7.6	8.1	9.3	10.4	12.7	15.5	17.8	20.7	25.2	29.2	38.
LP	—	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	6.4	6.4	7.0	7.
1	-53.0	76.5	77.1	76.5	75.4	73.7	72.5	71.4	71.4	70.8	71.4	72.0	72.
2	-53.0	76.5	76.5	76.5	75.9	74.8	73.7	73.7	73.1	73.7	73.7	73.7	74.
3	-53.0	76.5	76.5	75.4	74.2	72.0	69.7	68.0	68.0	68.0	68.6	69.7	70.
4	-53.0	76.5	75.3	74.1	72.4	68.2	65.3	64.7	65.3	65.3	65.3	67.0	67.
5	-53.0	76.5	75.9	74.8	73.1	71.4	68.1	66.4	65.8	65.8	66.9	66.9	68.
6	-53.0	76.5	75.9	75.4	73.7	70.2	66.8	65.1	64.0	64.6	65.1	66.3	68.
7	-53.0	76.5	76.5	76.5	76.5	76.5	76.5	77.7	76.5	77.7	76.5	77.7	76.
8	-53.0	76.5	76.5	75.4	72.5	68.0	63.5	61.2	60.1	60.6	61.8	63.5	65.
9	-53.0	76.5	75.9	74.7	72.3	66.9	62.7	60.4	59.8	60.4	61.0	62.2	65.
10	-46.0	76.5	74.8	70.3	62.4	46.5	30.1	19.4	13.7	12.0	14.8	19.9	30.
11	-42.5	76.5	74.8	69.1	58.3	38.5	19.8	11.8	10.1	11.3	15.8	21.5	30.
12	-46.0	76.5	74.2	69.1	57.6	37.6	19.9	11.9	9.6	10.8	15.9	21.1	30.
13	-49.5	76.5	74.8	70.3	60.1	43.6	29.5	23.2	20.4	21.0	26.6	30.6	38.
14	-53.0	7.0	5.9	1.3	3.0	11.6	8.1	7.0	8.1	10.4	16.2	21.4	31.
15	-46.0	7.0	6.4	2.0	1.4	10.4	9.2	7.6	8.7	11.5	17.1	22.1	31.
16	-3.0	76.5	74.8	69.2	59.0	37.5	18.3	11.0	9.8	12.7	17.7	22.8	32.
17	-3.0	7.0	5.9	0.7	-1.5	8.7	10.4	9.3	10.4	13.3	18.4	23.0	32.
18	-39.0	7.0	6.4	1.3	-2.1	-1.5	-1.0	-1.0	-0.4	2.4	8.1	13.8	24.
19	-38.4	7.0	6.4	5.8	5.2	7.0	7.0	7.0	7.0	9.4	13.1	18.0	27.
20	-37.7	7.0	5.3	1.9	-2.7	15.5	12.7	13.8	14.4	17.3	21.8	26.4	35.
21	-37.4	7.0	5.9	3.0	-1.5	15.5	13.8	14.9	16.0	18.3	22.8	27.3	35.

ezometer Reading During Filling Operation, Type 2 System, Lift 69.5 ft, Valve Speed 1 Min (Constant Speed Gate C peration

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
76.5	75.9	75.9	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.9	75.9	75.9	75.9
9.3	10.4	12.7	15.5	17.8	20.7	25.2	29.2	38.3	45.7	52.6	58.3	63.4	67.4	70.8	73.1	75.4
7.0	7.0	7.0	7.0	7.0	6.4	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
75.4	73.7	72.5	71.4	71.4	70.8	71.4	72.0	72.5	73.1	74.2	74.8	74.8	75.4	75.9	76.5	76.5
75.9	74.8	73.7	73.7	73.1	73.7	73.7	73.7	74.8	74.8	75.4	75.4	75.9	76.5	76.5	76.5	76.5
74.2	72.0	69.7	68.0	68.0	68.0	68.6	69.7	70.3	72.5	72.5	73.7	74.8	74.8	75.4	75.9	75.9
72.4	68.2	65.3	64.7	65.3	65.3	65.3	67.0	67.6	69.4	70.6	71.8	73.0	73.5	74.7	74.7	75.3
73.1	71.4	68.1	66.4	65.8	65.8	66.9	66.9	68.1	70.3	70.9	72.0	73.1	74.2	74.8	75.4	75.9
73.7	70.2	66.8	65.1	64.0	64.6	65.1	66.3	68.0	70.2	70.8	72.0	73.1	74.2	74.8	75.4	75.9
76.5	76.5	76.5	77.7	76.5	77.7	76.5	77.7	76.5	76.5	76.5	77.7	77.7	77.7	76.5	77.7	77.7
72.5	68.0	63.5	61.2	60.1	60.6	61.8	63.5	65.2	67.4	69.1	70.8	72.5	73.7	74.8	75.4	75.9
72.3	66.9	62.7	60.4	59.8	60.4	61.0	62.2	65.1	66.9	68.7	70.5	71.1	72.9	73.5	74.7	74.7
62.4	46.5	30.1	19.4	13.7	12.0	14.8	19.9	30.1	39.2	47.1	53.9	59.5	64.6	68.0	71.4	73.7
68.3	38.5	19.8	11.8	10.1	11.3	15.8	21.5	30.5	39.6	47.6	54.4	60.0	64.6	68.6	71.4	73.7
67.6	37.6	19.9	11.9	9.6	10.8	15.9	21.1	30.8	38.8	47.4	53.6	59.4	64.5	68.5	71.4	73.1
60.1	43.6	29.5	23.2	20.4	21.0	26.6	30.6	38.0	45.9	52.7	58.9	62.9	66.9	69.7	72.5	74.8
3.0	11.6	8.1	7.0	8.1	10.4	16.2	21.4	31.1	39.7	47.8	54.7	61.0	65.0	69.6	71.9	74.2
1.4	10.4	9.2	7.6	8.7	11.5	17.1	22.1	31.1	40.1	47.9	54.6	59.7	64.7	68.7	72.0	73.7
69.0	37.5	18.3	11.0	9.8	12.7	17.7	22.8	32.4	40.3	48.8	55.0	60.7	65.2	68.6	72.0	74.2
-1.5	8.7	10.4	9.3	10.4	13.3	18.4	23.0	32.1	41.2	48.6	55.4	60.5	65.7	69.7	72.5	74.8
-2.1	-1.5	-1.0	-1.0	-0.4	2.4	8.1	13.8	24.7	34.9	43.5	50.9	57.7	63.4	67.4	70.8	73.1
5.2	7.0	7.0	7.0	7.0	9.4	13.1	18.0	27.1	36.9	45.4	52.7	58.2	63.7	67.4	71.0	74.1
-2.7	15.5	12.7	13.8	14.4	17.3	21.8	26.4	35.5	43.5	50.3	56.6	61.7	65.7	69.7	71.9	74.2
-1.5	15.5	13.8	14.9	16.0	18.3	22.8	27.3	35.8	43.7	50.5	56.2	61.8	65.8	69.2	72.0	74.2

Lift 69.5 ft, Valve Speed 1 Min (Constant Speed Gate Opening), Upper Pool El 76.5,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
75.3	75.3	75.3	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
45.7	52.6	58.3	63.4	67.4	70.8	73.1	75.4	77.1	78.2	77.6	77.1	76.5
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
73.1	74.2	74.8	74.8	75.4	75.9	76.5	76.5	76.5	76.5	76.5	77.1	76.5
74.8	75.4	75.4	75.9	76.5	76.5	76.5	76.5	72.0	60.2	57.4	57.4	58.0
72.5	72.5	73.7	74.8	74.8	75.4	75.9	75.9	76.5	76.5	77.1	77.1	77.1
69.4	70.6	71.8	73.0	73.5	74.7	74.7	75.3	75.3	75.9	75.9	75.3	75.9
70.3	70.9	72.0	73.1	74.2	74.8	75.4	75.9	75.9	75.9	75.9	75.9	76.5
70.2	70.8	72.0	73.1	74.2	74.8	75.4	75.9	75.9	76.5	75.9	76.5	76.5
76.5	76.5	77.7	77.7	77.7	76.5	77.7	77.7	59.1	13.2	7.0	7.0	7.0
67.4	69.1	70.8	72.5	73.7	74.8	75.4	75.9	76.5	76.5	76.5	76.5	77.1
66.9	68.7	70.5	71.1	72.9	73.5	74.7	74.7	75.3	75.3	75.9	75.9	75.9
39.2	47.1	53.9	59.5	64.6	68.0	71.4	73.7	74.8	75.9	76.5	76.5	76.5
39.6	47.6	54.4	60.0	64.6	68.6	71.4	73.7	75.4	75.9	76.5	76.5	76.5
38.8	47.4	53.6	59.4	64.5	68.5	71.4	73.1	74.8	75.9	75.4	75.9	75.4
45.9	52.7	58.9	62.9	66.9	69.7	72.5	74.8	75.9	76.5	76.5	77.1	77.1
39.7	47.8	54.7	61.0	65.0	69.6	71.9	74.2	75.9	76.5	77.1	77.1	76.5
40.1	47.9	54.6	59.7	64.7	68.7	72.0	73.7	75.9	75.9	76.5	76.5	76.5
40.3	48.8	55.0	60.7	65.2	68.6	72.0	74.2	75.4	76.5	77.1	76.5	76.5
41.2	48.6	55.4	60.5	65.7	69.7	72.5	74.8	75.9	76.5	76.5	76.5	76.5
34.9	43.5	50.9	57.7	63.4	67.4	70.8	73.1	75.4	76.5	75.9	76.5	76.5
36.9	45.4	52.7	58.2	63.7	67.4	71.0	74.1	75.3	75.9	76.5	76.5	76.5
43.5	50.3	56.6	61.7	65.7	69.7	71.9	74.2	75.9	76.5	77.1	77.1	76.5
43.7	50.5	56.2	61.8	65.8	69.2	72.0	74.2	75.4	75.9	76.5	76.5	76.5

Table A3 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
22	-37.0	7.0	5.9	1.9	-0.9	17.7	14.9	16.6	17.7	20.6	24.5	29.0	3
23	-36.0	7.0	7.6	2.5	4.7	21.7	19.4	21.1	21.7	24.0	27.3	32.4	3
24	-35.0	7.0	7.6	3.0	7.6	22.4	23.0	24.7	25.2	28.1	31.5	35.5	4
25	-33.5	76.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	7
26	-32.0	7.0	11.6	9.3	11.6	24.2	30.0	31.7	33.4	35.1	38.6	41.5	4
27	-31.0	7.0	14.4	11.6	21.8	29.8	31.5	32.1	33.2	35.5	38.3	41.8	4
27A	-31.0	7.0	8.1	9.8	10.4	10.4	9.3	11.6	13.8	15.5	21.2	25.8	3
28	-42.0	7.0	14.4	14.4	22.4	30.4	32.6	33.2	35.5	37.2	40.6	43.5	4
29	-42.0	7.0	13.3	15.0	17.9	23.1	23.7	24.2	25.4	27.7	31.1	35.7	4
30	-42.0	7.0	13.7	16.8	21.6	30.8	33.8	35.0	37.5	38.7	41.8	45.4	5
31	-42.0	7.0	12.2	15.5	21.4	29.9	35.2	37.8	37.2	37.2	37.2	37.8	3
32	-53.0	7.0	13.3	16.7	21.8	28.6	30.4	31.5	33.2	34.3	38.3	41.8	4
33	-53.0	7.0	12.7	15.0	21.2	26.9	29.2	29.8	32.1	33.8	37.2	40.6	4
34	-53.0	7.0	11.6	13.9	19.6	24.8	27.1	28.3	31.1	32.3	36.3	39.2	4
35	-53.0	7.0	11.6	13.9	18.5	24.8	26.5	27.7	30.5	31.7	35.7	39.2	4
36	-53.0	7.0	10.6	12.3	16.5	22.4	24.8	26.6	29.0	31.4	35.5	38.5	4
36A	-53.0	7.0	9.3	9.9	11.0	11.0	9.9	11.0	13.3	15.6	21.4	26.0	3
37	-48.0	7.0	9.8	12.1	17.7	26.2	31.3	34.7	36.9	38.6	42.0	44.3	5
38	-36.0	7.0	9.9	12.2	16.8	23.8	28.4	29.6	32.5	34.8	38.3	40.6	4
39	-48.0	7.0	10.0	10.6	13.0	14.2	14.8	16.6	18.4	20.2	25.6	29.2	3
40	-36.0	7.0	9.3	6.4	1.8	-8.6	-18.5	-20.8	-19.1	-15.0	-8.6	-2.8	1
41	-36.0	7.0	9.3	8.2	5.8	-0.6	-9.4	-9.9	-8.8	-5.3	1.7	6.4	2
42	-36.0	7.0	8.8	7.6	5.8	-0.6	-7.0	-9.9	-8.2	-7.0	-0.6	4.7	1
43	-33.0	7.0	9.9	11.1	16.3	22.1	26.1	28.4	30.7	32.5	36.0	40.0	4
44	-37.0	7.0	9.9	11.6	16.2	21.9	26.0	28.3	30.5	33.4	36.9	39.7	4
45	-39.0	7.0	9.9	11.6	16.3	22.1	26.7	29.0	30.7	33.6	37.7	39.4	4

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
0.9	17.7	14.9	16.6	17.7	20.6	24.5	29.0	36.9	44.9	51.1	57.3	61.2	66.3	69.2	72.0	74.2
4.7	21.7	19.4	21.1	21.7	24.0	27.3	32.4	39.8	46.6	52.8	58.4	62.9	66.3	69.7	72.0	74.2
7.6	22.4	23.0	24.7	25.2	28.1	31.5	35.5	41.8	49.2	54.9	60.0	64.0	67.4	70.8	72.5	74.8
5.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.5	75.9	75.9	75.9	75.9	75.9	75.9
1.6	24.2	30.0	31.7	33.4	35.1	38.6	41.5	47.8	53.0	58.1	62.1	65.6	68.5	70.8	73.1	74.8
1.8	29.8	31.5	32.1	33.2	35.5	38.3	41.8	47.4	53.1	58.3	62.3	65.7	69.1	71.4	73.1	74.2
0.4	10.4	9.3	11.6	13.8	15.5	21.2	25.8	34.3	42.9	50.3	56.0	61.1	66.2	69.7	72.5	74.2
2.4	30.4	32.6	33.2	35.5	37.2	40.6	43.5	49.2	54.3	59.4	63.4	66.8	69.7	71.9	73.7	74.8
7.9	23.1	23.7	24.2	25.4	27.7	31.1	35.7	42.6	49.5	54.7	60.4	63.9	68.5	70.8	73.1	75.4
1.6	30.8	33.8	35.0	37.5	38.7	41.8	45.4	50.3	55.2	59.4	63.7	67.4	69.2	71.6	74.1	75.3
1.4	29.9	35.2	37.8	37.2	37.2	37.2	37.8	37.2	49.6	54.2	59.5	64.0	66.7	70.6	72.6	73.9
1.8	28.6	30.4	31.5	33.2	34.3	38.3	41.8	47.4	53.1	58.3	62.3	66.8	68.5	71.4	73.7	75.4
1.2	26.9	29.2	29.8	32.1	33.8	37.2	40.6	46.9	52.6	57.1	61.7	65.7	68.5	71.4	73.1	74.8
9.6	24.8	27.1	28.3	31.1	32.3	36.3	39.2	45.5	51.8	56.4	61.0	65.6	68.5	70.8	73.1	74.2
8.5	24.8	26.5	27.7	30.5	31.7	35.7	39.2	45.5	51.8	57.0	62.1	65.6	69.0	71.3	73.6	75.4
6.5	22.4	24.8	26.6	29.0	31.4	35.5	38.5	46.2	51.6	56.9	61.6	65.2	68.2	70.6	72.9	74.7
1.0	11.0	9.9	11.0	13.3	15.6	21.4	26.0	34.6	42.6	50.7	55.8	61.6	66.2	70.2	72.5	74.8
7.7	26.2	31.3	34.7	36.9	38.6	42.0	44.3	51.1	55.6	59.5	63.5	67.5	69.7	72.0	74.2	75.4
6.8	23.8	28.4	29.6	32.5	34.8	38.3	40.6	47.5	53.3	58.0	62.6	66.7	69.6	71.9	73.6	75.3
3.0	14.2	14.8	16.6	18.4	20.2	25.6	29.2	38.2	45.9	51.9	57.9	63.3	66.9	70.5	73.5	75.3
1.8	-8.6	-18.5	-20.8	-19.1	-15.0	-8.6	-2.8	12.2	25.5	36.5	45.2	53.9	60.3	66.1	70.1	73.6
5.8	-0.6	-9.4	-9.9	-8.8	-5.3	1.7	6.4	20.4	32.1	41.5	49.1	57.2	62.5	67.7	71.2	74.2
5.8	-0.6	-7.0	-9.9	-8.2	-7.0	-0.6	4.7	19.8	30.4	40.9	48.5	57.2	61.9	67.2	71.8	74.2
6.3	22.1	26.1	28.4	30.7	32.5	36.0	40.0	46.4	52.2	57.4	61.4	66.1	69.0	71.9	74.2	75.3
6.2	21.9	26.0	28.3	30.5	33.4	36.9	39.7	46.6	52.4	57.5	62.1	66.2	69.0	71.9	74.2	75.9
6.3	22.1	26.7	29.0	30.7	33.6	37.7	39.4	46.4	52.2	57.4	62.0	66.1	68.4	71.3	73.0	74.8

00	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
.9	51.1	57.3	61.2	66.3	69.2	72.0	74.2	75.4	75.9	76.5	75.9	76.5
.6	52.8	58.4	62.9	66.3	69.7	72.0	74.2	75.4	75.9	75.9	75.9	76.5
.2	54.9	60.0	64.0	67.4	70.8	72.5	74.8	75.9	75.9	76.5	76.5	76.5
.9	76.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
.0	58.1	62.1	65.6	68.5	70.8	73.1	74.8	75.9	75.9	76.5	76.5	76.5
.1	58.3	62.3	65.7	69.1	71.4	73.1	74.2	75.4	76.5	76.5	76.5	76.5
.9	50.3	56.0	61.1	66.2	69.7	72.5	74.2	75.9	76.5	76.5	76.5	76.5
.3	59.4	63.4	66.8	69.7	71.9	73.7	74.8	75.9	76.5	76.5	76.5	76.5
.5	54.7	60.4	63.9	68.5	70.8	73.1	75.4	75.9	76.5	77.1	76.5	76.5
.2	59.4	63.7	67.4	69.2	71.6	74.1	75.3	76.5	76.5	77.1	76.5	76.5
.6	54.2	59.5	64.0	66.7	70.6	72.6	73.9	75.2	76.5	76.5	76.5	76.5
.1	58.3	62.3	66.8	68.5	71.4	73.7	75.4	75.9	76.5	76.5	76.5	76.5
.6	57.1	61.7	65.7	68.5	71.4	73.1	74.8	75.9	75.9	76.5	75.9	76.5
.8	56.4	61.0	65.6	68.5	70.8	73.1	74.2	75.9	76.5	76.5	75.9	76.5
.8	57.0	62.1	65.6	69.0	71.3	73.6	75.4	75.9	77.1	77.1	77.1	76.5
.6	56.9	61.6	65.2	68.2	70.6	72.9	74.7	75.9	76.5	76.5	76.5	76.5
.6	50.7	55.8	61.6	66.2	70.2	72.5	74.8	75.9	77.1	77.1	76.5	76.5
.6	59.5	63.5	67.5	69.7	72.0	74.2	75.4	76.5	76.5	77.1	76.5	76.5
.3	58.0	62.6	66.7	69.6	71.9	73.6	75.3	75.9	77.1	77.1	76.5	76.5
.9	51.9	57.9	63.3	66.9	70.5	73.5	75.3	76.5	76.5	77.1	75.9	76.5
.5	36.5	45.2	53.9	60.3	66.1	70.1	73.6	75.3	75.9	76.5	75.9	76.5
.1	41.5	49.1	57.2	62.5	67.7	71.2	74.2	75.9	76.5	76.5	76.5	76.5
.4	40.9	48.5	57.2	61.9	67.2	71.8	74.2	75.9	77.1	77.1	76.5	76.5
.2	57.4	61.4	66.1	69.0	71.9	74.2	75.3	77.1	77.1	77.1	77.1	76.5
.4	57.5	62.1	66.2	69.0	71.9	74.2	75.9	76.5	77.1	77.6	77.1	76.5
.2	57.4	62.0	66.1	68.4	71.3	73.0	74.8	75.9	76.5	76.5	75.9	76.5

(Sheet 2 of 7)

Table A3 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
46	-35.0	7.0	9.9	11.6	16.2	22.5	26.0	28.3	31.1	33.4	36.9	39.7	4
47	-35.0	7.0	9.4	11.1	15.8	22.3	25.8	30.0	31.1	33.5	37.6	40.6	47
48	-36.0	7.0	9.9	12.2	17.4	25.0	29.0	33.6	35.4	38.3	40.6	43.5	4
49	-36.0	7.0	9.8	12.1	17.3	23.5	28.1	33.2	33.8	36.6	39.5	42.3	4
50	-31.0	7.0	8.8	9.3	11.1	11.7	12.3	12.8	14.0	16.9	21.0	26.3	3
51	-42.0	7.0	9.3	9.3	9.9	7.6	8.1	8.7	12.2	15.0	18.5	19.6	3
52	-27.8	7.0	9.9	10.5	9.9	15.1	15.7	14.0	19.7	16.8	25.0	27.9	41
53	-49.5	7.0	9.3	9.3	9.3	16.8	17.4	11.1	20.9	18.0	24.4	30.7	4
54	-21.6	—	—	—	—	—	—	—	—	—	—	—	—
55	-41.6	7.0	9.3	11.0	13.3	16.7	20.7	19.0	25.2	26.4	29.2	34.9	40
56	-17.5	7.0	8.8	9.9	13.5	17.6	18.2	20.5	23.5	24.7	27.6	31.7	38
57	-35.2	7.0	8.2	9.4	13.0	16.6	19.6	22.0	25.0	26.2	30.4	35.2	42
58	-31.3	7.0	8.8	10.0	13.0	17.8	22.6	22.6	28.0	29.2	34.0	37.6	44
59	-31.3	7.0	8.1	9.3	12.7	16.8	18.5	24.8	24.2	26.0	30.0	34.6	42
60	-23.1	0.0	8.2	9.5	11.3	12.0	13.2	18.8	20.0	21.9	26.2	31.2	40
61	-23.1	7.0	8.1	9.3	13.3	17.3	20.2	24.8	26.0	27.1	31.1	35.7	43
62	-22.8	7.0	8.2	8.2	10.5	12.3	13.4	18.1	19.3	20.4	25.1	30.4	38
63	-22.8	7.0	8.1	9.3	12.7	16.8	20.8	24.8	26.0	27.1	31.1	35.7	43
64	-22.4	7.0	8.2	8.7	11.1	12.8	14.0	18.0	19.7	21.5	25.5	30.7	38
65	-22.4	7.0	8.2	8.7	12.8	16.3	20.9	24.4	25.5	27.3	31.3	36.0	42
66	-28.0	7.0	8.1	8.7	10.4	13.9	16.8	19.6	21.9	24.2	28.3	32.8	40
66A	-28.0	7.0	8.1	9.3	11.6	15.0	18.4	20.7	24.1	26.4	30.4	34.9	42
67	-28.0	7.0	7.6	8.7	11.6	14.0	18.0	20.3	23.2	25.0	29.0	33.6	41
68	-28.0	7.0	7.6	8.7	11.6	15.1	20.3	22.6	25.0	26.7	31.3	34.8	42
69	-28.0	7.0	8.1	9.3	12.2	16.8	21.4	23.7	26.0	27.7	32.3	35.7	42
70	-28.0	7.0	7.0	8.8	11.7	17.0	22.3	24.7	26.4	29.4	32.3	37.0	44

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
6.2	22.5	26.0	28.3	31.1	33.4	36.9	39.7	46.6	52.4	57.5	61.6	66.2	69.0	71.3	73.6	75.4
5.8	22.3	25.8	30.0	31.1	33.5	37.6	40.6	47.1	52.9	57.7	61.8	65.9	69.4	71.8	73.6	75.3
7.4	25.0	29.0	33.6	35.4	38.3	40.6	43.5	49.9	55.1	59.7	63.8	67.2	69.6	71.9	73.6	75.3
7.3	23.5	28.1	33.2	33.8	36.6	39.5	42.3	48.6	54.3	59.4	53.4	66.8	69.1	71.9	73.7	75.4
1.1	11.7	12.3	12.8	14.0	16.9	21.0	26.3	35.0	42.6	50.2	56.1	62.5	65.4	69.5	73.0	74.7
9.9	7.6	8.1	8.7	12.2	15.0	18.5	19.6	31.1	42.0	49.5	54.7	60.4	65.6	69.0	71.9	74.2
9.9	15.1	15.7	14.0	19.7	16.8	25.0	27.9	41.8	45.8	48.7	55.7	61.4	66.1	70.1	72.4	74.8
9.3	16.8	17.4	11.1	20.9	18.0	24.4	30.7	40.0	44.6	48.7	56.2	62.0	65.5	68.4	72.4	75.3
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3.3	16.7	20.7	19.0	25.2	26.4	29.2	34.9	40.0	46.9	54.3	59.4	64.0	68.0	71.4	73.1	74.8
3.5	17.6	18.2	20.5	23.5	24.7	27.6	31.7	38.2	45.3	51.2	57.1	62.4	66.5	70.0	72.4	74.7
3.0	16.6	19.6	22.0	25.0	26.2	30.4	35.2	42.3	48.9	55.5	59.7	63.9	68.7	71.7	74.1	75.3
3.0	17.8	22.6	22.6	28.0	29.2	34.0	37.6	44.1	50.7	55.5	60.9	65.1	68.7	71.7	74.1	75.9
2.7	16.8	18.5	24.8	24.2	26.0	30.0	34.6	42.6	48.9	55.2	60.4	64.4	67.9	71.3	73.1	75.4
1.3	12.0	13.2	18.8	20.0	21.9	26.2	31.2	40.5	48.6	56.0	62.8	67.2	67.8	70.3	72.8	74.6
3.3	17.3	20.2	24.8	26.0	27.1	31.1	35.7	43.2	50.1	55.8	61.0	64.4	67.9	71.3	73.1	75.4
0.5	12.3	13.4	18.1	19.3	20.4	25.1	30.4	38.5	46.7	53.1	58.4	62.5	67.2	70.1	73.6	74.7
2.7	16.8	20.8	24.8	26.0	27.1	31.1	35.7	43.2	49.5	55.8	60.4	64.4	67.9	71.3	73.1	74.8
1.1	12.8	14.0	18.0	19.7	21.5	25.5	30.7	38.9	46.4	52.8	58.5	63.8	67.2	70.7	73.6	74.8
2.8	16.3	20.9	24.4	25.5	27.3	31.3	36.0	42.9	49.3	55.7	60.3	64.3	67.8	71.3	73.6	74.8
0.4	13.9	16.8	19.6	21.9	24.2	28.3	32.8	40.3	46.4	53.5	59.3	63.9	67.3	70.8	73.1	75.4
1.6	15.0	18.4	20.7	24.1	26.4	30.4	34.9	42.3	48.6	54.3	59.4	64.0	68.0	70.2	73.1	74.8
1.6	14.0	18.0	20.3	23.2	25.0	29.0	33.6	41.2	48.7	53.9	59.1	63.8	67.8	70.7	73.6	75.3
1.6	15.1	20.3	22.6	25.0	26.7	31.3	34.8	42.3	49.3	55.1	59.7	64.3	67.8	71.3	73.6	75.3
2.2	16.8	21.4	23.7	26.0	27.7	32.3	35.7	42.6	49.5	55.2	60.4	64.4	68.5	70.8	73.1	75.4
1.7	17.0	22.3	24.7	26.4	29.4	32.3	37.0	44.1	50.0	55.9	61.2	64.7	68.3	71.8	73.6	75.3

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
52.4	57.5	61.6	66.2	69.0	71.3	73.6	75.4	75.9	76.5	76.5	76.5	76.5
52.9	57.7	61.8	65.9	69.4	71.8	73.6	75.3	75.9	76.5	76.5	75.9	76.5
55.1	59.7	63.8	67.2	69.6	71.9	73.6	75.3	75.9	76.5	77.1	76.5	76.5
54.3	59.4	53.4	66.8	69.1	71.9	73.7	75.4	75.9	76.5	76.5	75.9	76.5
42.6	50.2	56.1	62.5	65.4	69.5	73.0	74.7	75.9	77.1	77.1	77.1	76.5
42.0	49.5	54.7	60.4	65.6	69.0	71.9	74.2	75.4	76.5	76.5	75.9	76.5
45.8	48.7	55.7	61.4	66.1	70.1	72.4	74.8	76.5	77.1	77.1	76.5	76.5
44.6	48.7	56.2	62.0	65.5	68.4	72.4	75.3	76.5	77.1	77.1	77.1	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
46.9	54.3	59.4	64.0	68.0	71.4	73.1	74.8	75.9	77.1	77.1	76.5	76.5
45.3	51.2	57.1	62.4	66.5	70.0	72.4	74.7	75.9	77.1	77.1	77.1	76.5
48.9	55.5	59.7	63.9	68.7	71.7	74.1	75.3	76.5	77.7	77.7	77.1	76.5
50.7	55.5	60.9	65.1	68.7	71.7	74.1	75.9	76.5	77.1	77.1	77.1	76.5
48.9	55.2	60.4	64.4	67.9	71.3	73.1	75.4	75.9	77.1	76.5	76.5	76.5
48.6	56.0	62.8	67.2	67.8	70.3	72.8	74.6	75.9	76.5	77.1	76.5	76.5
50.1	55.8	61.0	64.4	67.9	71.3	73.1	75.4	76.5	77.1	77.1	76.5	76.5
46.7	53.1	58.4	62.5	67.2	70.1	73.6	74.7	75.9	77.1	77.7	76.5	76.5
49.5	55.8	60.4	64.4	67.9	71.3	73.1	74.8	76.5	76.5	77.1	76.5	76.5
46.4	52.8	58.5	63.8	67.2	70.7	73.6	74.8	76.5	77.1	77.7	76.5	76.5
49.3	55.7	60.3	64.3	67.8	71.3	73.6	74.8	75.9	77.1	77.1	76.5	76.5
46.4	53.5	59.3	63.9	67.3	70.8	73.1	75.4	76.5	77.1	77.1	76.5	76.5
48.6	54.3	59.4	64.0	68.0	70.2	73.1	74.8	75.9	76.5	76.5	75.9	76.5
48.7	53.9	59.1	63.8	67.8	70.7	73.6	75.3	76.5	76.5	77.1	75.9	76.5
49.3	55.1	59.7	64.3	67.8	71.3	73.6	75.3	75.9	77.1	77.1	76.5	76.5
49.5	55.2	60.4	64.4	68.5	70.8	73.1	75.4	76.5	77.1	76.5	76.5	76.5
50.0	55.9	61.2	64.7	68.3	71.8	73.6	75.3	77.1	77.1	77.7	77.1	76.5

Table A3 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
71	-28.0	7.0	7.0	9.3	12.2	17.3	22.5	25.4	27.1	29.4	33.4	36.3	43.
71A	-28.0	7.0	7.6	9.3	12.8	18.0	22.6	26.7	30.2	31.9	36.0	40.0	46
72	-28.0	7.0	8.2	9.3	11.6	16.3	20.9	21.5	25.0	26.7	30.7	35.4	42.
73	-23.5	7.0	8.1	9.3	11.0	12.7	13.9	15.6	19.6	21.9	26.5	30.5	39.
74	-23.5	7.0	8.1	8.7	12.1	13.8	16.7	17.8	22.4	22.4	28.1	32.1	40.
75	-22.8	7.0	8.1	9.3	12.1	15.5	18.4	20.1	24.1	25.2	29.8	33.8	41.
76	-28.0	7.0	8.1	8.1	9.9	13.9	16.8	19.1	21.9	23.7	27.7	32.3	40
76A	-28.0	7.0	7.6	8.7	10.4	13.9	16.8	19.1	21.9	24.2	28.3	32.8	40.
77	-28.0	7.0	7.6	8.7	11.0	15.0	19.0	20.7	23.5	25.2	29.8	33.8	41
78	-28.0	7.0	7.6	9.3	11.6	16.1	20.1	23.0	24.7	26.9	30.9	34.9	42.
79	-28.0	7.0	8.1	9.8	12.1	16.7	21.8	24.7	26.4	28.1	32.6	36.6	43.
80	-28.0	7.0	8.1	9.3	12.2	17.3	22.5	24.8	27.1	29.4	32.8	36.9	43.
81	-28.0	7.0	7.0	8.2	11.3	16.8	22.2	24.7	27.1	28.3	32.6	36.9	44.
81A	-28.0	7.0	7.6	9.3	12.8	18.6	23.2	27.3	30.2	31.9	36.5	39.4	45.
82	-22.8	7.0	8.7	9.8	12.7	15.0	16.1	20.7	23.0	26.4	30.4	33.2	40.
83	-22.8	7.0	8.2	9.3	13.4	16.3	17.5	23.9	25.7	28.6	32.1	35.0	40.
84	-22.8	7.0	8.2	9.3	12.3	14.6	16.9	21.0	23.4	25.1	29.8	32.1	39.
85	-22.8	7.0	8.7	11.0	15.5	20.0	22.3	28.5	29.0	31.3	36.4	37.5	43.
86	-25.5	—	—	—	—	—	—	—	—	—	—	—	—
87	-48.0	7.0	5.8	5.2	10.5	9.9	8.8	12.3	12.9	12.3	21.7	26.4	35.
88	-36.0	7.0	9.9	9.9	10.4	9.3	9.3	11.0	13.9	16.2	21.9	26.5	35.
89	-48.0	7.0	10.0	10.0	10.6	9.4	9.4	12.3	12.3	16.5	21.9	26.6	35.
90	-48.0	7.0	9.3	9.9	10.5	9.9	9.9	12.8	12.8	16.3	22.1	26.1	35.
91	-48.0	7.0	9.8	9.8	10.9	9.8	9.8	12.6	13.2	17.1	22.7	26.6	35.
92	-36.0	7.0	8.7	9.3	11.0	10.4	9.8	11.5	13.8	15.5	20.6	26.2	35.
93	-36.0	7.0	9.3	9.3	10.5	9.9	9.3	11.1	14.0	15.2	20.4	25.7	35.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
2.2	17.3	22.5	25.4	27.1	29.4	33.4	36.3	43.8	50.7	55.8	61.0	65.0	68.5	71.3	73.6	75.4
2.8	18.0	22.6	26.7	30.2	31.9	36.0	40.0	46.4	52.2	56.8	61.4	65.5	69.0	71.3	73.6	75.3
1.6	16.3	20.9	21.5	25.0	26.7	30.7	35.4	42.3	48.7	54.5	60.3	63.8	67.8	71.3	73.0	75.3
1.0	12.7	13.9	15.6	19.6	21.9	26.5	30.5	39.2	45.5	53.0	59.3	63.3	67.3	70.8	73.1	74.8
2.1	13.8	16.7	17.8	22.4	22.4	28.1	32.1	40.6	46.9	53.1	58.8	63.4	67.4	70.8	73.1	74.8
2.1	15.5	18.4	20.1	24.1	25.2	29.8	33.8	41.8	47.4	53.7	59.4	64.0	68.0	71.4	73.7	75.4
9.9	13.9	16.8	19.1	21.9	23.7	27.7	32.3	40.9	47.2	53.5	59.3	63.9	67.9	71.3	73.6	74.8
0.4	13.9	16.8	19.1	21.9	24.2	28.3	32.8	40.9	47.8	54.1	59.3	63.9	67.9	70.8	73.6	75.4
1.0	15.0	19.0	20.7	23.5	25.2	29.8	33.8	41.2	47.4	53.7	59.4	63.4	66.8	70.2	72.5	74.2
1.6	16.1	20.1	23.0	24.7	26.9	30.9	34.9	42.3	49.2	54.9	60.0	64.0	68.0	70.8	73.1	74.8
2.1	16.7	21.8	24.7	26.4	28.1	32.6	36.6	43.5	49.7	56.0	61.1	65.1	68.5	71.4	73.1	75.9
2.2	17.3	22.5	24.8	27.1	29.4	32.8	36.9	43.8	50.7	55.8	61.0	65.0	68.5	71.9	74.2	75.9
1.3	16.8	22.2	24.7	27.1	28.3	32.6	36.9	44.2	50.9	57.0	61.3	65.5	69.2	71.6	74.1	75.9
2.8	18.6	23.2	27.3	30.2	31.9	36.5	39.4	45.8	51.6	57.4	61.4	65.5	69.0	71.9	74.2	75.3
2.7	15.0	16.1	20.7	23.0	26.4	30.4	33.2	40.6	49.2	54.9	60.0	64.5	68.0	71.4	73.7	75.4
3.4	16.3	17.5	23.9	25.7	28.6	32.1	35.0	40.9	49.6	55.5	60.7	64.2	67.7	70.7	73.6	74.7
2.3	14.6	16.9	21.0	23.4	25.1	29.8	32.1	39.1	47.9	55.5	59.6	64.8	67.7	71.2	73.6	75.9
5.5	20.0	22.3	28.5	29.0	31.3	36.4	37.5	43.2	51.6	57.9	61.8	65.8	68.0	70.8	73.7	74.8
–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
0.5	9.9	8.8	12.3	12.9	12.3	21.7	26.4	35.3	44.7	51.2	57.1	62.4	67.1	70.0	73.6	75.3
0.4	9.3	9.3	11.0	13.9	16.2	21.9	26.5	35.7	43.8	50.7	57.0	62.7	66.7	70.2	73.1	74.8
0.6	9.4	9.4	12.3	12.3	16.5	21.9	26.6	35.5	43.8	51.0	56.3	61.6	66.4	70.0	72.9	75.3
0.5	9.9	9.9	12.8	12.8	16.3	22.1	26.1	35.4	44.1	51.6	56.8	62.0	66.7	69.6	72.4	74.2
0.9	9.8	9.8	12.6	13.2	17.1	22.7	26.6	35.6	44.0	51.3	56.9	62.5	66.4	69.8	72.6	74.8
1.0	10.4	9.8	11.5	13.8	15.5	20.6	26.2	35.3	43.2	49.9	56.2	61.2	66.3	69.7	72.5	74.8
0.5	9.9	9.3	11.1	14.0	15.2	20.4	25.7	35.0	43.2	50.2	56.6	61.3	66.6	69.5	72.4	75.3

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
50.7	55.8	61.0	65.0	68.5	71.3	73.6	75.4	76.5	77.1	77.1	76.5	76.5
52.2	56.8	61.4	65.5	69.0	71.3	73.6	75.3	76.5	77.7	77.1	76.5	76.5
48.7	54.5	60.3	63.8	67.8	71.3	73.0	75.3	76.5	77.1	77.1	76.5	76.5
45.5	53.0	59.3	63.3	67.3	70.8	73.1	74.8	76.5	77.1	77.1	76.5	76.5
46.9	53.1	58.8	63.4	67.4	70.8	73.1	74.8	76.5	77.1	77.1	76.5	76.5
47.4	53.7	59.4	64.0	68.0	71.4	73.7	75.4	76.5	77.1	77.1	76.5	76.5
47.2	53.5	59.3	63.9	67.9	71.3	73.6	74.8	76.5	77.1	77.1	76.5	76.5
47.8	54.1	59.3	63.9	67.9	70.8	73.6	75.4	76.5	77.1	77.1	76.5	76.5
47.4	53.7	59.4	63.4	66.8	70.2	72.5	74.2	75.9	76.5	75.9	75.9	76.5
49.2	54.9	60.0	64.0	68.0	70.8	73.1	74.8	76.5	77.1	77.1	75.9	76.5
49.7	56.0	61.1	65.1	68.5	71.4	73.1	75.9	77.1	77.1	77.6	76.5	76.5
50.7	55.8	61.0	65.0	68.5	71.9	74.2	75.9	77.1	77.1	77.1	77.1	76.5
50.9	57.0	61.3	65.5	69.2	71.6	74.1	75.9	77.1	77.1	77.7	77.1	76.5
51.6	57.4	61.4	65.5	69.0	71.9	74.2	75.3	76.5	77.1	77.1	76.5	76.5
49.2	54.9	60.0	64.5	68.0	71.4	73.7	75.4	76.5	77.1	76.5	76.5	76.5
49.6	55.5	60.7	64.2	67.7	70.7	73.6	74.7	75.9	76.5	76.5	75.9	76.5
47.9	55.5	59.6	64.8	67.7	71.2	73.6	75.9	76.5	77.7	77.1	77.1	76.5
51.6	57.9	61.8	65.8	68.0	70.8	73.7	74.8	76.5	76.5	76.5	76.5	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
44.7	51.2	57.1	62.4	67.1	70.0	73.6	75.3	76.5	77.1	77.1	75.9	76.5
43.8	50.7	57.0	62.7	66.7	70.2	73.1	74.8	75.9	77.1	77.1	76.5	76.5
43.8	51.0	56.3	61.6	66.4	70.0	72.9	75.3	76.5	77.1	77.1	77.1	76.5
44.1	51.6	56.8	62.0	66.7	69.6	72.4	74.2	75.9	76.5	76.5	76.5	76.5
44.0	51.3	56.9	62.5	66.4	69.8	72.6	74.8	75.9	76.5	76.5	75.9	76.5
43.2	49.9	56.2	61.2	66.3	69.7	72.5	74.8	75.9	76.5	77.1	76.5	76.5
43.2	50.2	56.6	61.3	66.6	69.5	72.4	75.3	76.5	77.1	77.7	76.5	76.5

Table A3 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
94	-36.0	7.0	8.7	9.3	9.8	11.0	9.8	10.4	12.7	15.0	20.1	24.7	34.
95	-48.0	7.0	9.3	10.4	13.8	18.9	23.4	26.2	28.5	30.7	34.7	37.5	44.
96	-48.0	7.0	9.3	9.8	13.3	18.4	22.4	24.7	26.4	28.6	33.2	36.6	42.
97	-48.0	7.0	8.7	10.5	12.8	15.1	16.3	16.8	18.6	20.3	24.4	29.6	37.
98	-31.0	7.0	7.7	7.0	7.7	7.7	7.0	7.0	7.0	7.0	7.7	7.7	14.
99	-42.0	7.0	8.1	8.7	9.3	8.7	8.1	8.7	11.0	11.6	17.3	21.9	31.
100	-27.8	7.0	8.8	9.9	10.5	9.4	8.2	11.7	11.7	14.7	17.0	24.7	34.
101	-49.5	7.0	8.7	9.8	12.1	14.4	16.1	17.8	20.7	22.4	27.5	30.9	38.
102	-21.6	7.0	8.7	9.8	11.5	15.5	16.6	16.6	20.6	23.4	26.2	31.3	39.
103	-41.6	7.0	8.2	9.3	10.5	11.6	11.6	15.1	16.3	19.2	22.1	26.1	36.
104	-17.5	7.0	8.1	9.3	12.2	15.6	19.6	22.5	24.2	24.8	29.4	34.6	42.
105	-35.2	7.0	8.7	9.9	11.6	13.3	15.0	16.2	19.1	20.8	24.8	30.5	39.
106	-31.3	7.0	8.1	8.7	11.0	15.5	20.1	23.5	26.9	28.6	32.1	36.1	42.
107	-31.3	7.0	7.0	8.7	11.0	15.6	19.6	23.1	24.8	27.1	34.0	35.1	42.
108	-23.1	7.0	7.0	7.6	9.3	12.3	15.2	16.9	19.3	21.0	26.9	30.4	38.
109	-23.1	7.0	8.1	9.3	12.2	16.8	21.4	23.1	26.0	27.7	32.3	35.7	48.
110	-22.8	7.0	8.2	8.7	10.5	13.4	15.7	18.0	20.3	23.2	26.7	31.9	39.
111	-22.8	7.0	7.6	8.7	11.0	15.6	20.2	22.5	25.4	27.7	31.7	35.7	43.
112	-22.4	7.0	7.0	8.2	9.3	12.3	14.6	16.3	19.3	21.6	26.9	30.4	38.
113	-22.4	7.0	8.1	9.3	11.6	16.7	20.7	23.0	26.4	27.5	32.6	36.1	43.
114	-28.0	7.0	8.1	9.2	10.9	12.6	16.0	18.2	21.6	23.3	28.3	31.7	39.
114A	-28.0	7.0	7.6	8.2	10.0	12.3	15.9	18.9	21.3	24.2	27.8	31.4	38.
115	-28.0	7.0	7.6	8.7	10.4	13.3	16.8	19.6	22.5	24.8	28.8	32.8	40.
116	-28.0	7.0	7.6	8.7	10.4	14.4	17.8	20.7	23.0	25.2	29.2	33.8	41.
117	-28.0	7.0	7.6	8.1	11.0	15.0	19.6	21.9	24.8	27.1	31.1	35.7	42.
118	-28.0	7.0	8.1	9.3	11.0	15.5	20.0	23.4	25.6	28.5	31.9	35.8	42.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
9.8	11.0	9.8	10.4	12.7	15.0	20.1	24.7	34.3	42.3	49.2	55.4	61.1	65.1	69.1	72.5	74.2
3.8	18.9	23.4	26.2	28.5	30.7	34.7	37.5	44.3	51.1	56.2	61.2	65.2	68.6	71.4	73.1	75.4
3.3	18.4	22.4	24.7	26.4	28.6	33.2	36.6	42.9	49.7	54.9	60.5	64.5	68.0	71.4	73.1	74.8
2.8	15.1	16.3	16.8	18.6	20.3	24.4	29.6	37.7	45.8	51.6	57.4	62.6	66.7	70.1	73.0	74.8
7.7	7.7	7.0	7.0	7.0	7.0	7.7	7.7	14.4	26.2	35.8	44.7	52.8	60.2	65.4	69.8	73.5
9.3	8.7	8.1	8.7	11.0	11.6	17.3	21.9	31.7	40.9	47.8	54.7	60.4	65.0	69.0	72.5	74.2
0.5	9.4	8.2	11.7	11.7	14.7	17.0	24.7	34.1	41.8	48.8	55.9	60.6	66.5	69.4	73.0	74.7
2.1	14.4	16.1	17.8	20.7	22.4	27.5	30.9	38.9	46.3	52.6	58.3	62.8	66.8	70.8	73.1	74.8
1.5	15.5	16.6	16.6	20.6	23.4	26.2	31.3	39.8	46.6	52.2	57.9	62.4	66.9	70.8	72.5	74.8
0.5	11.6	11.6	15.1	16.3	19.2	22.1	26.1	36.0	44.1	50.4	56.8	62.0	66.7	70.7	73.6	75.3
2.2	15.6	19.6	22.5	24.2	24.8	29.4	34.6	42.0	48.4	54.7	59.3	64.4	67.9	70.8	73.6	75.4
1.6	13.3	15.0	16.2	19.1	20.8	24.8	30.5	39.7	44.9	52.4	58.7	63.3	67.3	70.8	73.6	75.4
1.0	15.5	20.1	23.5	26.9	28.6	32.1	36.1	42.9	49.7	54.9	60.0	64.5	68.0	70.8	73.1	75.4
1.0	15.6	19.6	23.1	24.8	27.1	34.0	35.1	42.0	48.9	54.7	60.4	64.4	67.3	70.8	73.1	75.4
9.3	12.3	15.2	16.9	19.3	21.0	26.9	30.4	38.5	46.1	52.6	58.4	63.1	67.7	71.2	73.6	75.3
2.2	16.8	21.4	23.1	26.0	27.7	32.3	35.7	48.2	49.5	55.2	60.4	64.4	68.5	71.3	73.6	75.4
0.5	13.4	15.7	18.0	20.3	23.2	26.7	31.9	39.4	46.4	52.8	58.5	63.2	67.2	70.7	72.4	75.3
1.0	15.6	20.2	22.5	25.4	27.7	31.7	35.7	43.2	49.5	55.2	60.4	65.0	68.5	71.9	73.6	75.9
9.3	12.3	14.6	16.3	19.3	21.6	26.9	30.4	38.5	45.5	52.0	57.8	63.1	67.2	70.7	73.0	75.3
1.6	16.7	20.7	23.0	26.4	27.5	32.6	36.1	43.5	49.2	55.4	60.5	64.5	68.5	71.4	73.7	75.9
0.9	12.6	16.0	18.2	21.6	23.3	28.3	31.7	39.5	46.2	53.0	58.6	63.6	67.0	70.3	72.6	74.8
0.0	12.3	15.9	18.9	21.3	24.2	27.8	31.4	38.5	45.6	51.6	57.5	62.2	65.8	70.0	71.7	74.1
0.4	13.3	16.8	19.6	22.5	24.8	28.8	32.8	40.9	47.2	53.5	59.3	63.9	67.9	70.8	74.2	75.9
0.4	14.4	17.8	20.7	23.0	25.2	29.2	33.8	41.2	47.4	53.7	59.4	64.0	68.0	70.8	73.1	74.8
1.0	15.0	19.6	21.9	24.8	27.1	31.1	35.7	42.0	48.9	55.2	60.4	64.4	68.5	71.3	74.2	75.9
1.0	15.5	20.0	23.4	25.6	28.5	31.9	35.8	42.6	49.4	55.0	60.1	64.6	68.0	70.8	73.7	75.4

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
42.3	49.2	55.4	61.1	65.1	69.1	72.5	74.2	75.9	77.1	77.1	76.5	76.5
51.1	56.2	61.2	65.2	68.6	71.4	73.1	75.4	76.5	77.1	77.6	76.5	76.5
49.7	54.9	60.5	64.5	68.0	71.4	73.1	74.8	75.9	77.1	77.1	76.5	76.5
45.8	51.6	57.4	62.6	66.7	70.1	73.0	74.8	76.5	77.1	77.1	77.1	76.5
26.2	35.8	44.7	52.8	60.2	65.4	69.8	73.5	75.8	77.2	78.0	77.2	76.5
40.9	47.8	54.7	60.4	65.0	69.0	72.5	74.2	75.9	77.1	77.1	76.5	76.5
41.8	48.8	55.9	60.6	66.5	69.4	73.0	74.7	76.5	77.1	77.7	76.5	76.5
46.3	52.6	58.3	62.8	66.8	70.8	73.1	74.8	76.5	77.1	77.1	76.5	76.5
46.6	52.2	57.9	62.4	66.9	70.8	72.5	74.8	75.9	77.1	77.1	76.5	76.5
44.1	50.4	56.8	62.0	66.7	70.7	73.6	75.3	77.1	77.7	77.7	77.1	76.5
48.4	54.7	59.3	64.4	67.9	70.8	73.6	75.4	76.5	77.1	77.6	77.1	76.5
44.9	52.4	58.7	63.3	67.3	70.8	73.6	75.4	76.5	77.6	77.6	77.6	76.5
49.7	54.9	60.0	64.5	68.0	70.8	73.1	75.4	75.9	77.1	77.1	76.5	76.5
48.9	54.7	60.4	64.4	67.3	70.8	73.1	75.4	75.9	77.1	77.6	76.5	76.5
46.1	52.6	58.4	63.1	67.7	71.2	73.6	75.3	77.7	77.7	78.3	77.1	76.5
49.5	55.2	60.4	64.4	68.5	71.3	73.6	75.4	77.1	77.1	77.6	76.5	76.5
46.4	52.8	58.5	63.2	67.2	70.7	72.4	75.3	76.5	76.5	77.1	76.5	76.5
49.5	55.2	60.4	65.0	68.5	71.9	73.6	75.9	77.1	77.6	78.2	77.1	76.5
45.5	52.0	57.8	63.1	67.2	70.7	73.0	75.3	76.5	77.7	77.1	77.1	76.5
49.2	55.4	60.5	64.5	68.5	71.4	73.7	75.9	77.1	77.6	77.6	77.1	76.5
46.2	53.0	58.6	63.6	67.0	70.3	72.6	74.8	75.9	76.5	77.1	75.9	76.5
45.6	51.6	57.5	62.2	65.8	70.0	71.7	74.1	75.9	76.5	76.5	75.9	76.5
47.2	53.5	59.3	63.9	67.9	70.8	74.2	75.9	77.1	77.6	77.6	77.1	76.5
47.4	53.7	59.4	64.0	68.0	70.8	73.1	74.8	75.9	77.1	77.6	76.5	76.5
48.9	55.2	60.4	64.4	68.5	71.3	74.2	75.9	76.5	77.6	77.6	77.6	76.5
49.4	55.0	60.1	64.6	68.0	70.8	73.7	75.4	76.5	77.1	77.6	75.9	76.5

Table A3 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
119	-28.0	7.0	7.6	8.7	11.0	16.0	20.6	24.0	26.2	28.5	32.4	36.4	43.
119A	-28.0	7.0	7.0	6.3	7.0	7.7	11.9	16.1	19.6	23.1	27.4	31.6	39.
120	-23.5	7.0	10.4	12.4	16.4	21.8	23.2	25.2	26.6	30.6	35.3	37.4	46.
121	-23.5	7.0	8.2	9.3	11.1	15.2	18.7	21.6	23.9	25.7	30.4	34.4	42.
122	-22.8	7.0	8.2	8.7	10.5	13.4	16.8	19.2	22.1	24.4	29.0	32.5	40.
123	-22.8	7.0	7.6	8.2	9.3	11.6	14.5	16.3	19.2	21.5	26.1	30.7	38.
124	-28.0	7.0	8.1	8.1	9.8	12.7	15.0	17.8	20.7	22.4	27.5	31.5	39.
124A	-28.0	7.0	7.6	8.2	9.9	12.2	15.7	18.6	20.9	23.2	27.9	31.9	40.
125	-28.0	7.0	7.6	8.7	10.5	13.4	16.8	19.2	22.1	24.4	28.4	33.1	40.
126	-28.0	7.0	7.6	8.1	9.9	12.7	16.8	19.6	22.5	24.8	29.4	33.4	40.
127	-28.0	7.0	7.6	8.2	10.5	14.5	18.6	22.1	25.0	27.3	31.9	35.4	42.
128	-28.0	7.0	7.6	8.7	11.1	15.1	20.3	22.6	25.5	27.9	31.9	36.0	43.
129	-28.0	7.0	7.0	8.1	10.4	15.6	20.2	23.7	26.5	28.8	32.8	36.3	43.
129A	-28.0	7.0	7.0	8.7	11.1	15.7	21.5	26.7	29.0	31.3	34.8	38.3	45.
130	-22.8	7.0	7.6	8.2	10.0	11.8	14.2	16.6	18.4	21.4	26.2	29.8	38.
131	-22.8	7.0	8.2	9.3	11.1	14.5	18.0	20.9	22.6	25.0	29.0	32.5	40.
132	-22.8	7.0	8.1	9.3	12.7	17.9	23.1	26.0	28.8	31.1	35.1	37.4	44.
133	-22.8	7.0	7.6	8.8	9.9	12.3	14.6	16.9	19.3	21.6	26.9	29.8	39.
134	-48.0	7.0	8.7	7.6	4.1	-2.8	-9.7	-12.0	-9.1	-5.1	1.3	8.1	20.
135	-48.0	7.0	7.6	8.2	9.9	11.1	13.4	16.3	18.7	20.4	24.5	30.4	37.
136	-48.0	7.0	9.4	11.2	15.5	22.1	26.3	28.8	30.6	32.4	36.0	39.6	45.
137	-36.0	7.0	10.5	12.2	15.7	20.9	26.1	26.7	28.4	30.7	35.4	38.9	45.
138	-36.0	7.0	9.9	11.6	15.7	22.1	26.7	29.0	30.2	32.5	36.5	40.6	46.
139	-48.0	7.0	10.4	12.1	16.7	23.5	28.1	30.4	32.1	34.3	37.8	41.8	47.
140	-47.0	7.0	10.4	12.4	17.8	25.9	31.3	34.0	36.0	38.0	41.4	44.8	51.
141	-51.0	7.0	10.0	11.2	15.9	23.0	27.2	29.6	31.4	33.7	37.3	40.3	46.

5	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
)	16.0	20.6	24.0	26.2	28.5	32.4	36.4	43.2	49.4	55.0	60.7	64.1	68.0	70.8	73.7	74.8
)	7.7	11.9	16.1	19.6	23.1	27.4	31.6	39.3	47.0	52.6	57.5	62.5	67.4	70.2	73.0	75.1
1	21.8	23.2	25.2	26.6	30.6	35.3	37.4	46.8	53.6	61.7	68.4	71.8	71.1	71.1	71.1	73.8
	15.2	18.7	21.6	23.9	25.7	30.4	34.4	42.0	49.1	54.3	59.6	64.2	68.3	71.2	73.6	75.3
3	13.4	16.8	19.2	22.1	24.4	29.0	32.5	40.6	47.5	53.3	59.1	64.3	67.8	71.9	74.2	75.9
3	11.6	14.5	16.3	19.2	21.5	26.1	30.7	38.3	45.8	52.2	58.0	62.6	67.2	70.7	73.0	75.3
3	12.7	15.0	17.8	20.7	22.4	27.5	31.5	39.5	46.3	52.6	58.3	63.4	67.4	70.8	73.1	75.4
9	12.2	15.7	18.6	20.9	23.2	27.9	31.9	40.0	47.0	53.9	58.5	63.8	67.2	70.7	73.0	75.3
5	13.4	16.8	19.2	22.1	24.4	28.4	33.1	40.6	47.0	53.9	59.1	63.2	67.2	70.7	73.0	74.8
9	12.7	16.8	19.6	22.5	24.8	29.4	33.4	40.9	47.2	53.5	58.7	63.3	67.3	70.8	73.1	75.4
5	14.5	18.6	22.1	25.0	27.3	31.9	35.4	42.3	48.7	55.1	60.3	64.3	68.4	71.3	73.6	75.3
1	15.1	20.3	22.6	25.5	27.9	31.9	36.0	43.5	49.3	55.1	60.3	64.9	68.4	71.3	74.2	75.9
4	15.6	20.2	23.7	26.5	28.8	32.8	36.3	43.8	49.5	55.8	60.4	65.0	68.5	71.3	73.6	75.4
1	15.7	21.5	26.7	29.0	31.3	34.8	38.3	45.2	51.0	56.8	61.4	65.5	68.4	71.9	73.6	75.3
0	11.8	14.2	16.6	18.4	21.4	26.2	29.8	38.8	45.9	52.5	57.9	62.7	66.9	69.9	72.3	75.3
1	14.5	18.0	20.9	22.6	25.0	29.0	32.5	40.6	47.5	53.9	58.5	63.8	67.2	70.7	73.0	74.8
7	17.9	23.1	26.0	28.8	31.1	35.1	37.4	44.9	51.8	56.4	61.6	65.6	69.0	71.9	74.2	76.5
9	12.3	14.6	16.9	19.3	21.6	26.9	29.8	39.1	46.1	52.0	58.4	63.1	67.2	70.7	73.6	75.3
1	-2.8	-9.7	-12.0	-9.1	-5.1	1.3	8.1	20.8	31.1	40.3	48.9	55.8	62.7	67.3	71.3	74.2
9	11.1	13.4	16.3	18.7	20.4	24.5	30.4	37.4	45.5	52.6	57.8	63.1	67.2	70.7	73.6	75.3
5	22.1	26.3	28.8	30.6	32.4	36.0	39.6	45.7	51.7	56.6	61.4	65.6	68.6	71.1	73.5	75.3
7	20.9	26.1	26.7	28.4	30.7	35.4	38.9	45.2	51.0	56.2	61.4	65.5	69.0	71.9	73.6	75.3
7	22.1	26.7	29.0	30.2	32.5	36.5	40.6	46.4	51.6	56.8	62.0	65.5	68.4	71.9	73.6	75.3
7	23.5	28.1	30.4	32.1	34.3	37.8	41.8	47.4	53.1	58.3	62.8	66.2	69.7	71.9	74.2	76.5
8	25.9	31.3	34.0	36.0	38.0	41.4	44.8	51.5	57.6	65.0	70.4	70.4	70.4	70.4	71.1	73.1
9	23.0	27.2	29.6	31.4	33.7	37.3	40.3	46.2	51.6	57.5	61.1	65.2	68.8	71.2	73.5	74.7

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
49.4	55.0	60.7	64.1	68.0	70.8	73.7	74.8	76.5	76.5	77.1	76.5	76.5
47.0	52.6	57.5	62.5	67.4	70.2	73.0	75.1	76.5	77.2	77.2	76.5	76.5
53.6	61.7	68.4	71.8	71.1	71.1	71.1	73.8	75.2	77.2	77.8	76.5	76.5
49.1	54.3	59.6	64.2	68.3	71.2	73.6	75.3	77.1	77.7	77.7	77.1	76.5
47.5	53.3	59.1	64.3	67.8	71.9	74.2	75.9	77.1	77.7	77.7	77.1	76.5
45.8	52.2	58.0	62.6	67.2	70.7	73.0	75.3	76.5	77.1	77.7	76.5	76.5
46.3	52.6	58.3	63.4	67.4	70.8	73.1	75.4	76.5	77.1	77.6	77.1	76.5
47.0	53.9	58.5	63.8	67.2	70.7	73.0	75.3	76.5	77.1	77.7	76.5	76.5
47.0	53.9	59.1	63.2	67.2	70.7	73.0	74.8	75.9	76.5	77.1	76.5	76.5
47.2	53.5	58.7	63.3	67.3	70.8	73.1	75.4	76.5	77.1	77.1	76.5	76.5
48.7	55.1	60.3	64.3	68.4	71.3	73.6	75.3	76.5	77.1	77.7	77.1	76.5
49.3	55.1	60.3	64.9	68.4	71.3	74.2	75.9	77.1	77.7	77.7	77.1	76.5
49.5	55.8	60.4	65.0	68.5	71.3	73.6	75.4	77.1	77.1	77.1	76.5	76.5
51.0	56.8	61.4	65.5	68.4	71.9	73.6	75.3	76.5	77.7	77.7	77.1	76.5
45.9	52.5	57.9	62.7	66.9	69.9	72.3	75.3	76.5	77.1	77.1	76.5	76.5
47.5	53.9	58.5	63.8	67.2	70.7	73.0	74.8	75.9	77.1	77.1	76.5	76.5
51.8	56.4	61.6	65.6	69.0	71.9	74.2	76.5	77.1	77.6	78.2	77.1	76.5
46.1	52.0	58.4	63.1	67.2	70.7	73.6	75.3	77.1	77.7	77.7	77.1	76.5
31.1	40.3	48.9	55.8	62.7	67.3	71.3	74.2	75.9	77.1	77.6	76.5	76.5
45.5	52.6	57.8	63.1	67.2	70.7	73.6	75.3	76.5	77.1	77.7	77.1	76.5
51.7	56.6	61.4	65.6	68.6	71.1	73.5	75.3	75.9	76.5	77.1	76.5	76.5
51.0	56.2	61.4	65.5	69.0	71.9	73.6	75.3	76.5	77.1	77.1	77.1	76.5
51.6	56.8	62.0	65.5	68.4	71.9	73.6	75.3	76.5	76.5	77.7	76.5	76.5
53.1	58.3	62.8	66.2	69.7	71.9	74.2	76.5	76.5	77.1	77.1	76.5	76.5
57.6	65.0	70.4	70.4	70.4	70.4	71.1	73.1	74.5	76.5	77.2	77.2	76.5
51.6	57.5	61.1	65.2	68.8	71.2	73.5	74.7	75.9	76.5	77.1	76.5	76.5

Table A3 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
142	-45.0	7.0	9.9	11.6	16.8	23.1	27.7	30.0	32.8	34.6	37.4	40.9	47
143	-49.0	7.0	9.5	11.9	17.5	24.2	29.1	31.6	34.1	35.9	39.6	43.3	49
144	-31.0	7.0	9.4	11.8	15.9	22.4	26.0	29.6	30.8	33.1	36.1	40.3	46
144A	-31.0	7.0	9.9	11.7	15.8	21.7	26.4	30.0	31.7	33.5	37.6	41.2	47
145	-51.4	7.0	8.8	9.4	9.9	9.9	8.8	10.5	12.9	15.2	20.5	24.7	34
146	-49.0	7.0	9.9	12.8	15.7	22.6	27.3	30.2	31.3	34.2	38.3	41.2	48
147	-46.6	7.0	9.9	11.6	16.8	23.1	27.7	31.1	32.3	34.0	38.0	41.5	47
148	-45.0	7.0	10.4	12.2	17.3	23.7	28.8	31.1	33.4	35.1	38.6	42.0	48
149	-45.0	7.0	9.9	11.7	15.8	22.9	27.6	30.6	32.9	34.7	38.2	41.8	48
149A	-45.0	7.0	8.9	8.9	9.5	9.5	8.9	9.5	12.6	14.5	19.5	25.2	33
150	-45.0	7.0	9.9	11.7	16.4	23.5	28.8	30.6	32.9	34.7	38.8	41.8	47
151	-38.0	7.0	10.0	11.3	15.5	22.9	28.3	30.8	32.6	34.4	38.1	41.1	47
152	-38.0	7.0	10.5	11.6	16.3	23.2	27.9	30.7	33.1	34.2	38.3	41.8	47
153	-38.0	7.0	9.9	11.6	15.6	23.1	28.3	30.0	32.8	34.6	38.0	42.0	47
154	-38.0	7.0	9.4	10.6	14.7	21.9	27.2	30.2	32.5	34.3	37.9	41.5	47
155	-38.0	7.0	10.0	11.2	15.9	23.0	28.4	30.8	33.1	34.9	38.5	42.0	48
156	-38.0	7.0	9.9	11.6	16.3	23.2	28.4	30.7	33.1	34.8	38.3	41.8	47
157	-31.0	7.0	10.5	11.6	17.4	25.0	29.6	30.7	33.1	34.8	38.9	41.8	48
158	-31.0	7.0	10.4	12.2	16.8	24.8	29.4	31.7	34.0	34.6	38.6	42.0	47

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=72(
16.8	23.1	27.7	30.0	32.8	34.6	37.4	40.9	47.2	53.0	58.1	62.1	66.2	69.0	71.9	74.2	75.4
17.5	24.2	29.1	31.6	34.1	35.9	39.6	43.3	49.4	54.4	56.8	61.7	66.0	69.1	72.2	74.0	75.9
15.9	22.4	26.0	29.6	30.8	33.1	36.1	40.3	46.8	52.7	57.5	61.1	65.2	68.2	71.2	73.5	74.7
15.8	21.7	26.4	30.0	31.7	33.5	37.6	41.2	47.6	52.4	57.7	62.4	65.9	69.4	71.8	74.1	75.3
9.9	9.9	8.8	10.5	12.9	15.2	20.5	24.7	34.1	42.3	50.0	55.9	61.2	66.5	69.4	73.0	74.7
15.7	22.6	27.3	30.2	31.3	34.2	38.3	41.2	48.1	52.8	58.0	62.6	66.1	69.6	72.4	74.8	75.9
16.8	23.1	27.7	31.1	32.3	34.0	38.0	41.5	47.8	53.5	58.7	62.7	66.7	69.6	72.5	74.2	75.9
17.3	23.7	28.8	31.1	33.4	35.1	38.6	42.0	48.4	54.1	58.7	63.3	66.7	69.6	71.9	74.2	75.9
15.8	22.9	27.6	30.6	32.9	34.7	38.2	41.8	48.2	52.9	58.2	63.0	66.5	69.4	72.4	74.1	75.9
9.5	9.5	8.9	9.5	12.6	14.5	19.5	25.2	33.9	42.7	50.2	55.8	61.5	65.9	70.2	73.4	75.2
16.4	23.5	28.8	30.6	32.9	34.7	38.8	41.8	47.6	53.5	58.2	63.0	66.5	70.0	72.4	74.1	75.3
15.5	22.9	28.3	30.8	32.6	34.4	38.1	41.1	47.8	53.3	58.2	63.1	66.7	69.8	72.2	74.7	75.9
16.3	23.2	27.9	30.7	33.1	34.2	38.3	41.8	47.5	53.9	58.5	62.6	66.1	69.6	72.4	74.2	75.3
15.6	23.1	28.3	30.0	32.8	34.6	38.0	42.0	47.8	53.0	57.5	62.7	66.2	69.0	71.9	73.6	75.9
14.7	21.9	27.2	30.2	32.5	34.3	37.9	41.5	47.4	53.3	58.1	62.8	66.4	69.4	72.3	74.7	75.9
15.9	23.0	28.4	30.8	33.1	34.9	38.5	42.0	48.0	53.9	58.7	62.8	66.4	70.0	72.3	74.1	75.9
16.3	23.2	28.4	30.7	33.1	34.8	38.3	41.8	47.5	53.9	58.5	63.2	66.1	69.6	71.9	74.2	75.9
17.4	25.0	29.6	30.7	33.1	34.8	38.9	41.8	48.1	53.9	58.5	63.2	66.1	69.6	72.4	74.2	75.9
16.8	24.8	29.4	31.7	34.0	34.6	38.6	42.0	47.8	53.5	58.1	62.7	66.2	69.0	71.9	73.6	74.8

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
53.0	58.1	62.1	66.2	69.0	71.9	74.2	75.4	75.9	77.1	77.1	77.1	76.5
54.4	56.8	61.7	66.0	69.1	72.2	74.0	75.9	77.1	77.1	77.7	77.7	76.5
52.7	57.5	61.1	65.2	68.2	71.2	73.5	74.7	76.5	77.1	77.1	76.5	76.5
52.4	57.7	62.4	65.9	69.4	71.8	74.1	75.3	76.5	76.5	77.1	76.5	76.5
42.3	50.0	55.9	61.2	66.5	69.4	73.0	74.7	76.5	77.7	77.1	76.5	76.5
52.8	58.0	62.6	66.1	69.6	72.4	74.8	75.9	77.1	77.1	78.2	77.7	76.5
53.5	58.7	62.7	66.7	69.6	72.5	74.2	75.9	77.1	77.6	77.6	77.1	76.5
54.1	58.7	63.3	66.7	69.6	71.9	74.2	75.9	76.5	77.1	77.6	77.1	76.5
52.9	58.2	63.0	66.5	69.4	72.4	74.1	75.9	77.1	77.7	77.1	76.5	76.5
42.7	50.2	55.8	61.5	65.9	70.2	73.4	75.2	76.5	77.1	77.1	77.1	76.5
53.5	58.2	63.0	66.5	70.0	72.4	74.1	75.3	77.1	77.7	77.7	77.1	76.5
53.3	58.2	63.1	66.7	69.8	72.2	74.7	75.9	76.5	77.1	77.1	76.5	76.5
53.9	58.5	62.6	66.1	69.6	72.4	74.2	75.3	76.5	77.1	77.7	77.1	76.5
53.0	57.5	62.7	66.2	69.0	71.9	73.6	75.9	76.5	77.1	77.1	76.5	76.5
53.3	58.1	62.8	66.4	69.4	72.3	74.7	75.9	77.1	77.7	77.7	77.1	76.5
53.9	58.7	62.8	66.4	70.0	72.3	74.1	75.9	77.1	77.1	77.7	77.1	76.5
53.9	58.5	63.2	66.1	69.6	71.9	74.2	75.9	76.5	77.7	77.1	76.5	76.5
53.9	58.5	63.2	66.1	69.6	72.4	74.2	75.9	76.5	77.1	77.1	77.1	76.5
53.5	58.1	62.7	66.2	69.0	71.9	73.6	74.8	76.5	76.5	77.1	76.5	76.5

Table A4
H-H Pattern System Average Piezometer Reading During Filling Operation, Type 2 Sys
Lower Pool El 7, Single Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
UP	—	76.5	76.5	76.5	75.9	76.5	76.5	76.5	75.3	75.9	75.9	75.9	75
LC	—	7.0	7.0	7.6	7.6	8.7	9.8	10.4	12.7	14.4	19.0	24.1	32
LP	—	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7
1	-53.0	76.5	76.5	75.4	75.9	75.4	74.8	74.2	73.7	72.0	70.3	70.8	72
2	-53.0	76.5	77.1	75.9	75.9	75.4	74.8	74.3	72.6	71.5	69.2	69.2	69
3	-53.0	76.5	75.9	75.4	75.4	75.4	74.2	73.1	72.0	69.7	68.0	68.6	69
4	-53.0	76.5	76.5	76.5	75.9	75.3	74.1	72.4	70.6	68.2	65.9	66.5	67
5	-53.0	76.5	76.5	75.9	75.4	74.8	73.7	73.1	71.4	68.6	66.4	66.4	67
6	-53.0	76.5	76.5	76.5	75.9	75.4	74.2	72.5	70.8	68.0	65.1	65.7	66
7	-53.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76
8	-53.0	76.5	76.5	76.5	76.5	74.8	73.7	71.4	68.6	65.7	61.8	61.8	64
9	-53.0	76.5	75.9	75.3	75.3	74.7	72.9	71.1	68.1	65.1	61.6	61.6	63
10	-46.0	76.5	75.4	74.2	72.0	69.1	64.1	56.7	46.5	34.1	16.5	14.8	23
11	-42.5	76.5	75.4	73.7	72.0	68.6	62.9	54.9	42.5	27.1	12.4	14.7	24
12	-46.0	76.5	75.9	74.8	72.5	68.5	62.8	54.8	42.8	28.5	13.6	15.9	25
13	-49.5	76.5	75.4	74.2	72.5	69.7	64.6	57.8	47.0	35.1	23.8	25.5	33
14	-53.0	7.0	4.1	1.8	-2.8	-6.3	-5.7	-4.0	-1.7	7.6	9.9	14.5	25
15	-46.0	7.0	4.7	0.7	-2.1	-6.1	-8.4	-7.2	-5.0	6.4	10.4	15.0	25
16	-3.0	76.5	73.1	72.0	70.3	66.9	61.2	52.8	40.3	24.5	10.4	13.8	24
17	-3.0	7.0	5.9	4.2	-0.2	-1.3	-1.3	-0.7	-0.7	10.3	14.2	19.1	28
18	-39.0	7.0	5.9	4.1	2.4	-0.5	-1.0	-2.2	-1.6	4.1	1.8	5.9	16
19	-38.4	7.0	6.4	6.4	6.4	5.7	5.1	1.9	1.3	7.0	7.0	10.2	18
20	-37.7	7.0	4.7	4.7	1.8	-0.5	-3.3	-1.6	-1.6	11.6	15.0	20.2	28
21	-37.4	7.0	3.5	2.3	0.5	-3.0	-3.6	-1.8	-3.6	10.5	15.2	19.4	28

zometer Reading During Filling Operation, Type 2 System, Lift 69.5 ft, Valve Speed 2 Min (Constant Speed Gate O eration

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.9	76.5	76.5	76.5	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.3	75.9	75.9	75.9	75.9
.6	8.7	9.8	10.4	12.7	14.4	19.0	24.1	32.1	40.6	47.4	53.7	59.4	64.5	68.0	70.8	73.7
.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0
.9	75.4	74.8	74.2	73.7	72.0	70.3	70.8	72.0	72.5	73.1	73.7	74.2	74.8	75.4	75.4	75.4
.9	75.4	74.8	74.3	72.6	71.5	69.2	69.2	69.8	70.9	72.6	73.1	73.7	74.8	74.8	75.4	75.9
.4	75.4	74.2	73.1	72.0	69.7	68.0	68.6	69.1	70.3	72.0	72.5	73.7	74.2	74.8	75.4	75.4
.9	75.3	74.1	72.4	70.6	68.2	65.9	66.5	67.6	68.8	71.2	71.8	73.0	73.5	74.1	75.3	75.9
.4	74.8	73.7	73.1	71.4	68.6	66.4	66.4	67.5	68.6	70.3	72.0	72.6	73.1	73.7	74.8	75.4
.9	75.4	74.2	72.5	70.8	68.0	65.1	65.7	66.8	68.5	70.2	72.0	72.5	73.7	74.2	74.8	75.4
.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	77.1	76.5	76.5	77.1	76.5
.5	74.8	73.7	71.4	68.6	65.7	61.8	61.8	64.0	66.3	68.0	70.3	71.4	72.5	73.7	74.8	75.4
.3	74.7	72.9	71.1	68.1	65.1	61.6	61.6	63.9	65.7	67.5	69.9	71.1	72.3	73.5	74.1	74.7
.0	69.1	64.1	56.7	46.5	34.1	16.5	14.8	23.9	32.9	41.4	49.3	56.1	61.2	65.8	69.1	72.0
.0	68.6	62.9	54.9	42.5	27.1	12.4	14.7	24.9	33.9	42.5	49.8	56.1	61.2	66.3	69.7	72.0
.5	68.5	62.8	54.8	42.8	28.5	13.6	15.9	25.6	34.8	43.4	50.8	57.1	61.6	66.2	69.6	73.1
.5	69.7	64.6	57.8	47.0	35.1	23.8	25.5	33.4	41.9	48.7	54.4	58.9	64.6	68.0	70.8	73.1
.8	-6.3	-5.7	-4.0	-1.7	7.6	9.9	14.5	25.5	34.8	42.9	50.4	56.8	62.0	66.7	70.1	73.0
.1	-6.1	-8.4	-7.2	-5.0	6.4	10.4	15.0	25.2	34.3	42.9	49.7	56.0	61.7	66.2	69.7	72.5
.3	66.9	61.2	52.8	40.3	24.5	10.4	13.8	24.0	33.0	41.5	48.3	55.0	60.1	64.1	67.5	70.3
.2	-1.3	-1.3	-0.7	-0.7	10.3	14.2	19.1	28.5	36.8	44.5	50.6	57.7	62.2	67.1	69.9	72.1
.4	-0.5	-1.0	-2.2	-1.6	4.1	1.8	5.9	16.8	27.7	37.4	44.9	52.4	59.3	64.4	68.5	71.3
.4	5.7	5.1	1.9	1.3	7.0	7.0	10.2	18.5	28.7	37.6	45.3	52.9	59.3	64.4	68.8	72.0
.8	-0.5	-3.3	-1.6	-1.6	11.6	15.0	20.2	28.8	37.4	45.5	51.8	58.1	63.3	66.7	70.2	73.1
.5	-3.0	-3.6	-1.8	-3.6	10.5	15.2	19.4	28.8	37.6	45.3	52.4	57.7	63.0	67.7	70.6	73.0

Lift 69.5 ft, Valve Speed 2 Min (Constant Speed Gate Opening), Upper Pool El 76.5,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
75.9	75.9	75.9	75.3	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	76.5
40.6	47.4	53.7	59.4	64.5	68.0	70.8	73.7	75.9	77.1	77.1	76.5	76.5
7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
72.5	73.1	73.7	74.2	74.8	75.4	75.4	75.4	75.9	75.9	75.9	76.5	76.5
70.9	72.6	73.1	73.7	74.8	74.8	75.4	75.9	75.9	76.5	76.5	76.5	76.5
70.3	72.0	72.5	73.7	74.2	74.8	75.4	75.4	75.4	75.4	76.5	76.5	75.9
68.8	71.2	71.8	73.0	73.5	74.1	75.3	75.9	76.5	75.9	76.5	76.5	76.5
68.6	70.3	72.0	72.6	73.1	73.7	74.8	75.4	75.4	75.9	75.9	76.5	76.5
68.5	70.2	72.0	72.5	73.7	74.2	74.8	75.4	75.9	75.9	76.5	76.5	76.5
76.5	76.5	76.5	77.1	76.5	76.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5
66.3	68.0	70.3	71.4	72.5	73.7	74.8	75.4	75.9	75.9	76.5	76.5	76.5
65.7	67.5	69.9	71.1	72.3	73.5	74.1	74.7	75.3	75.9	75.9	75.9	76.5
32.9	41.4	49.3	56.1	61.2	65.8	69.1	72.0	74.2	75.4	75.9	76.5	75.9
33.9	42.5	49.8	56.1	61.2	66.3	69.7	72.0	74.2	75.4	75.9	75.9	75.9
34.8	43.4	50.8	57.1	61.6	66.2	69.6	73.1	74.8	75.9	76.5	76.5	76.5
41.9	48.7	54.4	58.9	64.6	68.0	70.8	73.1	74.8	75.4	75.9	76.5	75.9
34.8	42.9	50.4	56.8	62.0	66.7	70.1	73.0	75.3	75.9	77.1	77.1	76.5
34.3	42.9	49.7	56.0	61.7	66.2	69.7	72.5	74.8	75.9	76.5	75.9	76.5
33.0	41.5	48.3	55.0	60.1	64.1	67.5	70.3	72.0	73.1	73.7	74.2	73.7
36.8	44.5	50.6	57.7	62.2	67.1	69.9	72.1	74.3	75.4	75.9	75.9	76.5
27.7	37.4	44.9	52.4	59.3	64.4	68.5	71.3	73.6	75.4	75.9	76.5	76.5
28.7	37.6	45.3	52.9	59.3	64.4	68.8	72.0	73.9	75.2	75.9	76.5	76.5
37.4	45.5	51.8	58.1	63.3	66.7	70.2	73.1	74.2	75.4	76.5	77.1	76.5
37.6	45.3	52.4	57.7	63.0	67.7	70.6	73.0	74.1	75.9	76.5	76.5	76.5

Table A4 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
22	-37.0	7.0	2.2	0.4	-0.9	-3.9	-6.3	-5.1	-4.5	10.6	14.9	19.7	29.
23	-36.0	7.0	4.0	3.4	2.2	-0.1	-1.9	-0.7	3.4	16.5	18.9	23.6	32.
24	-35.0	7.0	4.5	3.9	-2.8	0.2	-3.5	0.2	6.4	18.7	22.4	26.7	35
25	-33.5	76.5	77.1	77.1	77.1	76.5	77.6	77.1	77.1	77.1	77.1	77.1	77.
26	-32.0	7.0	7.0	7.0	6.4	-1.7	-1.7	10.7	13.2	25.6	31.2	34.9	41
27	-31.0	7.0	8.3	9.7	15.0	7.0	7.7	14.4	18.4	23.7	27.0	31.1	38
27A	-31.0	7.0	7.0	7.6	8.7	9.3	9.3	10.4	11.0	12.2	14.5	19.6	29.
28	-42.0	7.0	9.3	11.0	11.0	13.3	12.7	17.3	25.2	30.9	36.6	39.5	45
29	-42.0	7.0	7.6	9.3	10.4	11.6	13.9	16.2	19.6	23.1	26.5	30.5	38.
30	-42.0	7.0	8.8	11.2	12.4	13.0	15.5	19.1	26.9	33.0	38.4	40.8	47.
31	-42.0	7.0	9.0	10.3	11.0	12.3	16.3	20.2	26.2	34.1	40.8	45.4	45.
32	-53.0	7.0	8.7	11.6	11.6	13.9	16.8	20.8	26.0	30.0	34.0	36.3	43.
33	-53.0	7.0	8.2	9.9	11.1	13.4	15.8	20.4	23.9	28.6	32.7	35.0	43.
34	-53.0	7.0	9.3	9.9	11.6	13.3	16.2	20.2	23.7	28.8	32.8	35.1	42.
35	-53.0	7.0	8.7	9.3	11.0	12.2	15.0	17.9	21.9	27.1	31.1	34.0	42.
36	-53.0	7.0	8.2	9.4	10.5	11.7	14.7	17.6	21.7	25.8	30.0	33.5	41.
36A	-53.0	7.0	7.6	8.1	9.3	9.9	10.4	11.6	12.2	13.3	15.0	19.6	29.
37	-48.0	7.0	8.1	9.3	10.4	12.7	15.5	20.6	25.6	32.4	38.1	42.6	48.
38	-36.0	7.0	8.2	9.3	10.5	12.2	14.5	18.6	22.6	29.0	34.2	37.7	44.
39	-48.0	7.0	8.2	8.2	9.4	10.6	11.2	12.9	14.7	17.1	20.1	24.8	33.
40	-36.0	7.0	7.6	7.6	7.0	5.8	3.5	1.2	-5.3	-11.1	-15.2	-9.4	3.
41	-36.0	7.0	7.6	7.6	7.6	7.0	7.0	4.6	1.1	-2.4	-5.4	0.5	12.
42	-36.0	7.0	7.6	8.2	8.2	7.6	7.0	4.1	0.6	-1.2	-4.1	2.3	11.
43	-33.0	7.0	8.2	9.3	9.3	11.6	14.0	16.8	20.9	26.1	31.9	36.0	42.
44	-37.0	7.0	8.1	9.3	9.9	11.6	13.9	17.9	21.4	27.1	32.3	36.3	42.
45	-39.0	7.0	7.6	8.8	9.9	11.7	13.4	17.5	21.6	26.3	32.7	36.8	42.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
0.9	-3.9	-6.3	-5.1	-4.5	10.6	14.9	19.7	29.4	37.2	45.1	52.3	57.8	62.6	65.0	70.5	72.9
2.2	-0.1	-1.9	-0.7	3.4	16.5	18.9	23.6	32.5	40.3	47.4	53.3	58.7	63.4	68.8	70.0	72.3
2.8	0.2	-3.5	0.2	6.4	18.7	22.4	26.7	35.3	42.1	48.8	54.4	60.5	64.2	67.3	71.6	73.4
7.1	76.5	77.6	77.1	77.1	77.1	77.1	77.1	77.1	76.5	77.1	77.1	77.1	77.1	77.1	76.5	77.6
6.4	-1.7	-1.7	10.7	13.2	25.6	31.2	34.9	41.8	48.6	52.9	58.5	62.8	66.6	69.7	72.2	73.4
5.0	7.0	7.7	14.4	18.4	23.7	27.0	31.1	38.4	45.8	51.8	57.1	61.8	66.5	69.1	71.8	73.2
8.7	9.3	9.3	10.4	11.0	12.2	14.5	19.6	29.4	37.4	44.9	51.8	58.1	62.7	66.7	70.8	73.1
1.0	13.3	12.7	17.3	25.2	30.9	36.6	39.5	45.2	51.4	56.0	60.5	65.1	67.4	70.2	71.9	74.2
0.4	11.6	13.9	16.2	19.6	23.1	26.5	30.5	38.0	44.9	50.7	57.0	61.0	65.0	68.5	71.3	73.6
2.4	13.0	15.5	19.1	26.9	33.0	38.4	40.8	47.5	52.9	57.2	61.4	64.4	68.0	71.1	72.9	74.1
1.0	12.3	16.3	20.2	26.2	34.1	40.8	45.4	45.4	45.4	45.4	56.6	61.9	65.9	70.5	71.9	73.9
1.6	13.9	16.8	20.8	26.0	30.0	34.0	36.3	43.8	49.5	54.7	59.8	63.9	67.3	68.5	72.5	74.2
1.1	13.4	15.8	20.4	23.9	28.6	32.7	35.0	43.2	49.1	54.3	59.0	63.1	66.6	68.3	72.4	74.2
1.6	13.3	16.2	20.2	23.7	28.8	32.8	35.1	42.6	48.4	54.1	59.3	63.3	66.7	69.6	71.9	74.2
1.0	12.2	15.0	17.9	21.9	27.1	31.1	34.0	42.0	47.8	53.5	58.7	63.3	66.7	70.2	72.5	74.2
0.5	11.7	14.7	17.6	21.7	25.8	30.0	33.5	41.2	47.6	52.9	58.2	62.4	65.9	70.6	71.8	73.6
9.3	9.9	10.4	11.6	12.2	13.3	15.0	19.6	29.4	33.0	46.1	53.0	59.3	63.3	68.5	70.8	73.6
0.4	12.7	15.5	20.6	25.6	32.4	38.1	42.6	48.2	52.8	57.9	62.4	65.2	68.6	72.0	73.7	75.4
0.5	12.2	14.5	18.6	22.6	29.0	34.2	37.7	44.1	50.4	55.7	60.9	64.3	67.8	70.7	73.0	74.8
9.4	10.6	11.2	12.9	14.7	17.1	20.1	24.8	33.1	40.9	48.0	53.9	59.3	64.6	68.2	71.2	73.5
7.0	5.8	3.5	1.2	-5.3	-11.1	-15.2	-9.4	3.5	17.5	29.2	40.3	49.1	56.6	62.5	68.3	72.4
7.6	7.0	7.0	4.6	1.1	-2.4	-5.4	0.5	12.3	24.1	35.9	45.3	52.9	59.4	64.7	69.4	73.0
8.2	7.6	7.0	4.1	0.6	-1.2	-4.1	2.3	11.7	23.9	35.6	45.0	52.0	59.0	63.7	68.9	72.4
9.3	11.6	14.0	16.8	20.9	26.1	31.9	36.0	42.9	48.7	54.5	59.1	63.8	67.2	70.1	72.4	74.8
9.9	11.6	13.9	17.9	21.4	27.1	32.3	36.3	42.6	48.9	54.7	59.8	63.9	67.3	70.8	72.5	74.8
9.9	11.7	13.4	17.5	21.6	26.3	32.7	36.8	42.6	48.5	54.3	59.6	63.7	66.6	70.1	72.4	74.2

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
37.2	45.1	52.3	57.8	62.6	65.0	70.5	72.9	74.7	75.9	75.9	76.5	76.5
40.3	47.4	53.3	58.7	63.4	68.8	70.0	72.3	74.1	75.3	75.9	76.5	76.5
42.1	48.8	54.4	60.5	64.2	67.3	71.6	73.4	75.3	76.5	76.5	76.5	76.5
76.5	77.1	77.1	77.1	77.1	77.1	76.5	77.6	76.5	76.5	77.1	77.1	76.5
48.6	52.9	58.5	62.8	66.6	69.7	72.2	73.4	74.6	76.5	76.5	76.5	76.5
45.8	51.8	57.1	61.8	66.5	69.1	71.8	73.2	75.2	75.8	77.2	77.2	76.5
37.4	44.9	51.8	58.1	62.7	66.7	70.8	73.1	75.4	75.9	76.5	76.5	76.5
51.4	56.0	60.5	65.1	67.4	70.2	71.9	74.2	75.4	75.9	76.5	76.5	76.5
44.9	50.7	57.0	61.0	65.0	68.5	71.3	73.6	74.8	75.9	76.5	76.5	76.5
52.9	57.2	61.4	64.4	68.0	71.1	72.9	74.1	75.3	75.9	76.5	77.1	76.5
45.4	45.4	56.6	61.9	65.9	70.5	71.9	73.9	75.2	76.5	76.5	77.2	76.5
49.5	54.7	59.8	63.9	67.3	68.5	72.5	74.2	75.4	76.5	77.1	76.5	76.5
49.1	54.3	59.0	63.1	66.6	68.3	72.4	74.2	75.3	76.5	77.1	76.5	76.5
48.4	54.1	59.3	63.3	66.7	69.6	71.9	74.2	75.9	76.5	77.1	76.5	76.5
47.8	53.5	58.7	63.3	66.7	70.2	72.5	74.2	75.9	76.5	77.1	76.5	76.5
47.6	52.9	58.2	62.4	65.9	70.6	71.8	73.6	75.9	76.5	76.5	77.1	76.5
33.0	46.1	53.0	59.3	63.3	68.5	70.8	73.6	75.4	76.5	77.6	77.1	76.5
52.8	57.9	62.4	65.2	68.6	72.0	73.7	75.4	75.9	77.1	77.1	77.1	76.5
50.4	55.7	60.9	64.3	67.8	70.7	73.0	74.8	75.9	77.1	77.1	77.1	76.5
40.9	48.0	53.9	59.3	64.6	68.2	71.2	73.5	75.3	76.5	77.1	76.5	76.5
17.5	29.2	40.3	49.1	56.6	62.5	68.3	72.4	74.7	76.5	77.1	77.1	76.5
24.1	35.9	45.3	52.9	59.4	64.7	69.4	73.0	75.3	76.5	77.1	77.1	76.5
23.9	35.6	45.0	52.0	59.0	63.7	68.9	72.4	74.7	75.9	77.1	76.5	76.5
48.7	54.5	59.1	63.8	67.2	70.1	72.4	74.8	75.9	76.5	77.1	77.1	76.5
48.9	54.7	59.8	63.9	67.3	70.8	72.5	74.8	75.9	77.1	77.1	77.1	76.5
48.5	54.3	59.6	63.7	66.6	70.1	72.4	74.2	75.3	76.5	76.5	76.5	76.5

Table A4 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
46	-35.0	7.0	8.1	9.3	9.9	11.6	13.9	17.3	21.4	27.1	32.8	36.9	43.
47	-36.0	7.0	7.6	8.2	8.8	11.1	14.1	17.0	20.5	26.4	31.7	37.0	42.
48	-36.0	7.0	7.6	8.7	9.9	11.6	15.1	18.6	23.2	29.6	36.5	41.2	45.
49	-36.0	7.0	7.6	8.7	9.9	11.6	14.5	18.0	23.2	28.4	34.8	40.0	44.
50	-31.0	7.0	7.6	8.8	8.8	9.3	9.9	10.5	11.7	12.8	15.8	21.6	29.
51	-42.0	7.0	8.2	8.2	8.7	9.3	9.9	10.5	11.6	11.6	15.1	19.2	29.
52	-27.8	7.0	8.2	8.2	9.3	11.1	11.1	16.3	15.2	14.0	21.6	22.8	35.
53	-49.5	7.0	7.6	8.2	8.7	9.9	10.5	13.4	18.0	14.5	20.9	21.5	34.
54	-21.6	—	—	—	—	—	—	—	—	—	—	—	—
55	-41.6	7.0	7.6	8.2	8.7	11.1	11.6	14.5	17.4	22.6	23.8	28.4	34.
56	-17.5	7.0	8.2	8.8	8.8	10.5	11.7	14.1	17.6	19.4	27.0	32.9	39.
57	-35.2	7.0	7.6	7.6	8.8	10.0	11.8	14.7	17.1	20.1	25.4	29.6	37.
58	-31.3	7.0	7.6	8.2	9.4	10.0	11.8	14.1	17.7	22.4	29.0	30.2	39.
59	-31.3	7.0	7.0	7.6	8.2	9.9	11.6	14.5	17.4	20.9	25.5	33.1	38.
60	-23.1	7.0	7.6	7.6	8.2	8.2	10.6	12.4	14.9	19.1	19.1	22.7	31.
61	-23.1	7.0	7.6	8.1	8.7	10.4	12.2	15.0	17.9	21.4	27.1	34.0	39.
62	-22.8	7.0	7.6	8.2	8.2	9.9	11.1	12.3	14.6	16.3	21.0	28.0	35.
63	-22.8	7.0	7.0	7.6	8.7	9.9	12.2	15.1	18.0	22.1	27.3	33.6	40.
64	-22.4	7.0	7.6	7.6	8.2	9.3	10.5	12.2	13.4	16.3	20.3	27.3	34.
65	-22.4	7.0	7.0	7.6	8.8	9.9	11.7	14.0	16.9	21.0	26.9	32.7	39.
66	-28.0	7.0	7.0	7.6	8.2	9.3	10.5	12.8	14.5	18.0	23.2	28.4	36.
66A	-28.0	7.0	7.6	7.6	8.7	9.3	11.0	13.3	16.2	19.6	25.4	28.8	38.
67	-28.0	7.0	7.0	7.6	8.2	9.3	11.1	13.4	15.2	19.3	24.5	29.2	36.
68	-28.0	7.0	7.0	8.2	8.2	9.9	11.6	14.0	16.8	20.9	26.1	30.7	38.
69	-28.0	7.0	7.6	8.1	8.7	10.4	12.2	14.5	17.3	21.4	27.1	31.1	38.
70	-28.0	7.0	6.4	7.0	7.6	9.4	11.7	14.1	17.0	21.7	27.6	32.3	40.

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.9	11.6	13.9	17.3	21.4	27.1	32.8	36.9	43.2	48.9	54.1	59.3	63.3	67.3	70.2	72.5	74.2
.8	11.1	14.1	17.0	20.5	26.4	31.7	37.0	42.9	49.4	54.7	58.8	63.0	66.5	69.4	72.4	73.6
.9	11.6	15.1	18.6	23.2	29.6	36.5	41.2	45.2	51.6	56.8	60.9	64.3	67.8	70.7	72.4	74.2
.9	11.6	14.5	18.0	23.2	28.4	34.8	40.0	44.6	52.2	56.8	60.9	64.3	67.8	71.3	73.6	75.3
.8	9.3	9.9	10.5	11.7	12.8	15.8	21.6	29.2	37.4	44.4	52.0	57.2	62.5	67.2	70.1	73.0
.7	9.3	9.9	10.5	11.6	11.6	15.1	19.2	29.6	37.7	46.4	52.2	58.5	63.8	67.8	71.3	73.6
.3	11.1	11.1	16.3	15.2	14.0	21.6	22.8	35.6	40.9	48.5	54.9	62.5	63.7	67.7	71.8	74.2
.7	9.9	10.5	13.4	18.0	14.5	20.9	21.5	34.8	37.7	49.3	54.5	61.4	61.4	67.2	71.3	73.6
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.7	11.1	11.6	14.5	17.4	22.6	23.8	28.4	34.2	47.0	50.4	55.1	62.6	67.2	69.6	72.4	74.8
.8	10.5	11.7	14.1	17.6	19.4	27.0	32.9	39.4	46.5	54.1	58.2	63.5	67.1	70.0	73.0	74.7
.8	10.0	11.8	14.7	17.1	20.1	25.4	29.6	37.3	45.0	51.6	56.9	61.6	65.8	69.4	72.3	74.1
.4	10.0	11.8	14.1	17.7	22.4	29.0	30.2	39.7	46.2	52.1	58.1	62.8	66.4	69.4	72.3	74.7
.2	9.9	11.6	14.5	17.4	20.9	25.5	33.1	38.9	44.6	51.6	56.8	61.4	66.1	69.0	71.9	74.2
.2	8.2	10.6	12.4	14.9	19.1	19.1	22.7	31.2	39.0	45.7	51.7	56.0	59.6	62.0	71.7	73.5
.7	10.4	12.2	15.0	17.9	21.4	27.1	34.0	39.7	45.5	52.4	57.5	62.1	66.2	69.0	72.5	74.2
.2	9.9	11.1	12.3	14.6	16.3	21.0	28.0	35.0	42.0	49.1	55.5	60.1	65.4	68.9	71.8	74.2
.7	9.9	12.2	15.1	18.0	22.1	27.3	33.6	40.0	45.2	52.2	58.0	62.6	66.7	70.1	73.0	74.8
.2	9.3	10.5	12.2	13.4	16.3	20.3	27.3	34.8	41.8	48.7	55.1	59.7	64.9	68.4	71.3	73.6
.8	9.9	11.7	14.0	16.9	21.0	26.9	32.7	39.7	45.5	52.0	57.2	61.9	66.6	69.5	72.4	74.7
.2	9.3	10.5	12.8	14.5	18.0	23.2	28.4	36.0	43.5	49.9	55.7	60.9	65.5	69.0	71.9	74.2
.7	9.3	11.0	13.3	16.2	19.6	25.4	28.8	38.0	44.9	51.2	57.0	61.6	66.2	69.0	71.9	74.2
.2	9.3	11.1	13.4	15.2	19.3	24.5	29.2	36.8	43.8	50.2	56.1	61.3	65.4	68.9	71.2	73.6
.2	9.9	11.6	14.0	16.8	20.9	26.1	30.7	38.3	45.2	51.6	57.4	62.0	66.1	69.6	71.9	74.8
.7	10.4	12.2	14.5	17.3	21.4	27.1	31.1	38.6	45.5	51.8	57.0	62.1	66.2	69.0	71.9	74.2
.6	9.4	11.7	14.1	17.0	21.7	27.6	32.3	40.0	45.9	52.4	58.2	63.0	66.5	69.4	73.0	74.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
48.9	54.1	59.3	63.3	67.3	70.2	72.5	74.2	75.4	76.5	77.1	77.1	76.5
49.4	54.7	58.8	63.0	66.5	69.4	72.4	73.6	74.7	75.9	75.9	75.9	76.5
51.6	56.8	60.9	64.3	67.8	70.7	72.4	74.2	75.3	76.5	77.1	76.5	76.5
52.2	56.8	60.9	64.3	67.8	71.3	73.6	75.3	75.9	77.1	77.1	77.1	76.5
37.4	44.4	52.0	57.2	62.5	67.2	70.1	73.0	75.3	76.5	77.1	76.5	76.5
37.7	46.4	52.2	58.5	63.8	67.8	71.3	73.6	75.3	77.1	77.1	77.1	76.5
40.9	48.5	54.9	62.5	63.7	67.7	71.8	74.2	75.9	77.1	77.7	77.1	76.5
37.7	49.3	54.5	61.4	61.4	67.2	71.3	73.6	75.3	76.5	77.1	77.1	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
47.0	50.4	55.1	62.6	67.2	69.6	72.4	74.8	75.9	77.1	77.7	77.1	76.5
46.5	54.1	58.2	63.5	67.1	70.0	73.0	74.7	76.5	76.5	77.7	77.1	76.5
45.0	51.6	56.9	61.6	65.8	69.4	72.3	74.1	75.9	77.1	77.1	77.1	76.5
46.2	52.1	58.1	62.8	66.4	69.4	72.3	74.7	75.9	76.5	77.1	77.1	76.5
44.6	51.6	56.8	61.4	66.1	69.0	71.9	74.2	75.9	76.5	77.1	76.5	76.5
39.0	45.7	51.7	56.0	59.6	62.0	71.7	73.5	75.3	76.5	77.1	76.5	76.5
45.5	52.4	57.5	62.1	66.2	69.0	72.5	74.2	75.9	76.5	77.1	77.1	76.5
42.0	49.1	55.5	60.1	65.4	68.9	71.8	74.2	75.9	76.5	77.1	77.1	76.5
45.2	52.2	58.0	62.6	66.7	70.1	73.0	74.8	76.5	77.1	77.7	77.1	76.5
41.8	48.7	55.1	59.7	64.9	68.4	71.3	73.6	75.3	76.5	76.5	76.5	76.5
45.5	52.0	57.2	61.9	66.6	69.5	72.4	74.7	75.9	77.1	77.7	77.1	76.5
43.5	49.9	55.7	60.9	65.5	69.0	71.9	74.2	75.9	76.5	77.1	77.1	76.5
44.9	51.2	57.0	61.6	66.2	69.0	71.9	74.2	75.4	77.1	77.1	77.1	76.5
43.8	50.2	56.1	61.3	65.4	68.9	71.2	73.6	75.3	76.5	77.1	76.5	76.5
45.2	51.6	57.4	62.0	66.1	69.6	71.9	74.8	75.9	77.1	77.1	77.1	76.5
45.5	51.8	57.0	62.1	66.2	69.0	71.9	74.2	75.4	76.5	77.1	76.5	76.5
45.9	52.4	58.2	63.0	66.5	69.4	73.0	74.7	76.5	77.1	77.7	77.1	76.5

Table A4 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
71	-28.0	7.0	6.4	7.0	7.6	9.3	11.1	13.4	17.4	21.5	27.3	31.9	39.
71A	-28.0	7.0	7.0	7.0	8.1	9.9	11.6	15.0	19.1	23.7	29.4	34.0	41.
72	-28.0	7.0	7.6	7.6	8.7	10.4	12.2	14.5	17.3	21.9	27.7	31.1	39.
73	-23.5	7.0	7.6	8.1	8.7	9.3	11.0	12.2	14.5	16.2	21.4	24.8	34.
74	-23.5	7.0	7.6	8.1	8.7	9.9	11.0	12.7	15.0	17.9	23.1	27.1	35.
75	-22.8	7.0	7.6	7.6	8.7	9.8	12.1	13.8	16.1	19.5	25.2	29.2	37.
76	-28.0	7.0	7.6	7.6	8.7	9.9	10.4	13.3	15.6	17.9	23.7	27.7	36.
76A	-28.0	7.0	7.0	7.6	7.6	8.8	10.5	12.3	14.6	18.1	22.8	27.4	35.
77	-28.0	7.0	7.0	8.2	8.2	9.3	10.5	12.8	15.7	19.2	24.4	29.0	36.
78	-28.0	7.0	7.0	7.6	8.1	9.9	11.6	13.9	16.8	20.2	26.5	30.5	38.
79	-28.0	7.0	6.4	5.8	7.6	9.3	11.1	13.4	16.8	20.3	26.7	30.7	38.
80	-28.0	7.0	7.0	7.6	8.1	9.3	11.6	13.3	16.8	21.9	28.3	31.7	39.
81	-28.0	7.0	7.0	7.6	7.6	9.4	11.2	13.6	16.7	21.5	27.5	32.4	39.
81A	-28.0	7.0	7.6	8.2	8.8	9.9	12.3	15.2	18.7	23.4	29.8	34.4	41.
82	-22.8	7.0	7.6	8.1	8.7	10.4	12.2	13.9	16.8	18.5	24.2	27.7	36.
83	-22.8	7.0	8.2	8.7	9.9	11.1	13.4	15.7	19.2	22.6	27.9	30.7	39.
84	-22.8	7.0	7.6	8.2	8.7	10.5	11.6	13.4	16.8	20.3	25.0	28.4	36.
85	-22.8	7.0	8.1	8.7	9.8	11.6	13.8	16.1	21.8	26.4	32.1	34.3	41.
86	-25.5	—	—	—	—	—	—	—	—	—	—	—	—
87	-48.0	7.0	8.2	8.2	8.8	9.3	11.1	12.3	12.8	13.4	16.3	20.4	30.
88	-36.0	7.0	8.7	8.1	9.3	9.8	10.4	11.0	12.7	12.7	16.7	21.2	29.
89	-48.0	7.0	8.2	8.2	8.8	9.1	10.6	11.2	12.3	11.8	16.5	20.7	29.
90	-48.0	7.0	7.6	7.0	8.8	9.3	9.9	11.7	12.3	12.8	16.3	20.4	29.
91	-48.0	7.0	8.7	7.6	9.3	9.8	11.0	12.1	12.7	13.2	16.6	21.1	30.
92	-36.0	7.0	8.1	8.1	9.3	9.8	10.4	11.5	11.5	13.2	16.0	21.7	30.
93	-36.0	7.0	7.6	7.6	8.8	9.3	9.9	11.1	11.7	12.8	15.8	21.0	29.

T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T
9.3	11.1	13.4	17.4	21.5	27.3	31.9	39.4	45.8	52.2	57.4	62.0	66.1	69.6	72.4	73.6	
9.9	11.6	15.0	19.1	23.7	29.4	34.0	41.5	48.4	53.5	59.3	63.3	67.3	70.2	72.5	74.2	
10.4	12.2	14.5	17.3	21.9	27.7	31.1	39.2	46.1	51.8	57.0	62.1	65.6	69.0	71.9	74.2	
9.3	11.0	12.2	14.5	16.2	21.4	24.8	34.6	41.5	48.9	55.2	60.4	65.0	68.5	71.3	74.2	
9.9	11.0	12.7	15.0	17.9	23.1	27.1	35.7	43.2	50.1	55.8	61.6	65.6	69.0	71.9	74.2	
9.8	12.1	13.8	16.1	19.5	25.2	29.2	37.8	44.0	50.9	56.0	61.1	65.7	69.7	71.9	74.2	
9.9	10.4	13.3	15.6	17.9	23.7	27.7	36.3	43.2	49.5	55.8	61.6	65.6	69.0	72.5	74.8	
8.8	10.5	12.3	14.6	18.1	22.8	27.4	35.6	43.2	50.2	56.6	61.3	65.4	69.5	72.4	74.7	
9.3	10.5	12.8	15.7	19.2	24.4	29.0	36.5	44.1	51.0	55.7	61.4	65.5	69.0	71.9	74.2	
9.9	11.6	13.9	16.8	20.2	26.5	30.5	38.0	44.9	51.2	56.4	61.6	65.6	69.6	72.5	74.2	
9.3	11.1	13.4	16.8	20.3	26.7	30.7	38.9	45.2	51.0	57.4	62.0	66.1	69.0	72.4	74.2	
9.3	11.6	13.3	16.8	21.9	28.3	31.7	39.2	46.1	52.4	57.0	62.1	65.6	69.6	71.9	73.6	
9.4	11.2	13.6	16.7	21.5	27.5	32.4	39.0	46.3	52.3	57.8	62.6	66.8	69.9	72.3	74.1	
9.9	12.3	15.2	18.7	23.4	29.8	34.4	41.5	47.9	53.7	59.6	63.7	67.2	70.7	73.6	74.7	
10.4	12.2	13.9	16.8	18.5	24.2	27.7	36.9	43.8	51.2	57.0	62.1	66.7	69.6	71.9	74.2	
11.1	13.4	15.7	19.2	22.6	27.9	30.7	39.4	46.4	52.8	58.0	62.0	66.1	69.6	72.4	74.8	
10.5	11.6	13.4	16.8	20.3	25.0	28.4	36.5	45.2	51.6	56.8	60.9	66.1	69.6	72.4	74.2	
11.6	13.8	16.1	21.8	26.4	32.1	34.3	41.8	49.7	54.9	60.0	63.4	67.4	70.2	73.1	74.8	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
9.3	11.1	12.3	12.8	13.4	16.3	20.4	30.4	38.5	45.5	52.6	58.4	63.1	67.2	70.1	73.0	
9.8	10.4	11.0	12.7	12.7	16.7	21.2	29.8	38.9	46.3	53.1	59.4	64.0	68.0	71.4	73.7	
9.1	10.6	11.2	12.3	11.8	16.5	20.7	29.6	39.7	46.8	53.3	58.7	64.0	68.2	70.6	73.5	
9.3	9.9	11.7	12.3	12.8	16.3	20.4	29.8	39.1	46.7	53.1	59.0	63.7	67.7	70.7	73.0	
9.8	11.0	12.1	12.7	13.2	16.6	21.1	30.7	39.8	47.1	53.3	59.5	64.1	68.0	71.4	73.7	
9.8	10.4	11.5	11.5	13.2	16.0	21.7	30.2	39.2	46.6	52.8	59.0	64.1	68.0	71.4	74.2	
9.3	9.9	11.1	11.7	12.8	15.8	21.0	29.8	39.1	46.1	53.1	59.0	63.7	68.3	71.2	74.2	

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
45.8	52.2	57.4	62.0	66.1	69.6	72.4	73.6	75.3	76.5	77.1	76.5	76.5
48.4	53.5	59.3	63.3	67.3	70.2	72.5	74.2	76.5	76.5	77.1	76.5	76.5
46.1	51.8	57.0	62.1	65.6	69.0	71.9	74.2	75.9	76.5	77.1	76.5	76.5
41.5	48.9	55.2	60.4	65.0	68.5	71.3	74.2	75.4	76.5	77.1	76.5	76.5
43.2	50.1	55.8	61.6	65.6	69.0	71.9	74.2	75.9	77.1	77.1	77.6	76.5
44.0	50.9	56.0	61.1	65.7	69.7	71.9	74.2	76.5	77.1	77.1	77.1	76.5
43.2	49.5	55.8	61.6	65.6	69.0	72.5	74.8	76.5	77.1	77.6	77.1	76.5
43.2	50.2	56.6	61.3	65.4	69.5	72.4	74.7	75.9	77.1	77.7	77.1	76.5
44.1	51.0	55.7	61.4	65.5	69.0	71.9	74.2	75.3	76.5	77.1	76.5	76.5
44.9	51.2	56.4	61.6	65.6	69.6	72.5	74.2	75.9	76.5	77.6	76.5	76.5
45.2	51.0	57.4	62.0	66.1	69.0	72.4	74.2	75.3	76.5	77.7	77.1	76.5
46.1	52.4	57.0	62.1	65.6	69.6	71.9	73.6	75.4	76.5	76.5	77.1	76.5
46.3	52.3	57.8	62.6	66.8	69.9	72.3	74.1	75.3	77.1	77.1	75.9	76.5
47.9	53.7	59.6	63.7	67.2	70.7	73.6	74.7	76.5	77.1	77.7	77.7	76.5
43.8	51.2	57.0	62.1	66.7	69.6	71.9	74.2	75.9	76.5	76.5	77.1	76.5
46.4	52.8	58.0	62.0	66.1	69.6	72.4	74.8	75.9	77.1	77.1	76.5	76.5
45.2	51.6	56.8	60.9	66.1	69.6	72.4	74.2	75.9	76.5	77.1	77.1	76.5
49.7	54.9	60.0	63.4	67.4	70.2	73.1	74.8	75.9	77.1	77.6	76.5	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
38.5	45.5	52.6	58.4	63.1	67.2	70.1	73.0	74.2	75.9	75.9	75.9	76.5
38.9	46.3	53.1	59.4	64.0	68.0	71.4	73.7	75.9	76.5	76.5	76.5	76.5
39.7	46.8	53.3	58.7	64.0	68.2	70.6	73.5	75.3	76.5	77.1	77.1	76.5
39.1	46.7	53.1	59.0	63.7	67.7	70.7	73.0	74.7	76.5	76.5	76.5	76.5
39.8	47.1	53.3	59.5	64.1	68.0	71.4	73.7	75.4	76.5	76.5	76.5	76.5
39.2	46.6	52.8	59.0	64.1	68.0	71.4	74.2	75.9	77.1	77.1	77.1	76.5
39.1	46.1	53.1	59.0	63.7	68.3	71.2	74.2	75.3	76.5	77.7	77.1	76.5

Table A4 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
94	-36.0	7.0	7.6	8.1	8.7	9.3	9.9	10.4	11.6	12.2	15.0	20.2	29.
95	-48.0	7.0	8.1	8.7	9.2	10.9	13.2	16.0	20.5	25.5	30.5	33.3	41.
96	-48.0	7.0	8.1	8.7	9.3	11.0	12.7	15.5	20.0	24.0	29.6	32.4	40.
97	-48.0	7.0	7.6	8.7	9.3	10.4	12.1	14.4	16.1	17.8	21.8	24.7	33.
98	-31.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.0	18.
99	-42.0	7.0	7.6	8.1	8.7	9.3	9.3	10.4	10.4	11.0	13.3	17.8	27.
100	-27.8	7.0	7.6	8.2	8.8	8.8	9.4	12.3	11.1	13.5	15.8	20.5	30.
101	-49.5	7.0	8.1	8.7	9.3	10.4	12.1	13.8	15.5	18.3	22.3	26.8	34.
102	-21.6	7.0	7.0	8.1	8.1	9.3	11.0	13.8	15.0	17.8	20.1	24.7	32.
103	-41.6	7.0	7.6	8.1	9.3	9.3	11.0	12.2	13.3	15.0	17.3	24.2	31.
104	-17.5	7.0	7.6	8.1	8.7	10.4	12.1	14.4	17.3	20.7	26.9	30.9	38.
105	-35.2	7.0	7.6	8.1	8.7	9.8	11.6	13.3	15.0	17.3	22.4	24.7	35.
106	-31.3	7.0	7.6	8.1	8.7	10.4	12.7	14.9	17.7	22.8	27.3	31.3	39.
107	-31.3	7.0	7.0	7.6	8.2	9.3	11.1	14.5	17.4	21.5	27.3	31.3	38.
108	-23.1	7.0	7.6	8.1	8.1	9.3	10.4	11.6	15.0	16.7	22.4	26.4	34.
109	-23.1	7.0	7.6	8.7	9.3	10.4	11.6	14.5	19.1	21.9	27.7	32.3	39.
110	-22.8	7.0	7.6	7.6	8.2	9.3	9.9	12.3	15.2	17.5	22.8	26.9	35.
111	-22.8	7.0	7.6	8.1	8.7	9.8	11.5	14.3	18.3	22.3	27.9	32.4	39.
112	-22.4	7.0	7.0	7.6	8.1	9.3	10.4	12.2	14.5	16.8	21.9	26.5	35.
113	-22.4	7.0	7.6	7.6	8.7	10.4	11.6	14.4	18.4	21.8	27.5	32.1	39.
114	-28.0	7.0	7.6	7.6	8.1	9.3	10.4	12.7	15.0	17.3	22.4	26.9	35.
114A	-28.0	7.0	8.2	8.2	8.8	9.4	10.6	12.9	15.3	18.3	23.6	27.8	36.
115	-28.0	7.0	7.0	7.6	8.1	9.3	11.0	12.7	15.5	18.4	24.1	28.1	36.
116	-28.0	7.0	6.4	7.0	8.1	9.3	10.4	12.7	15.6	19.6	24.8	29.4	36.
117	-28.0	7.0	7.0	7.0	8.1	9.3	11.0	13.8	16.6	20.6	26.2	30.7	38.
118	-28.0	7.0	7.6	7.6	8.7	9.8	11.6	14.4	17.8	21.8	27.5	32.1	39.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
8.7	9.3	9.9	10.4	11.6	12.2	15.0	20.2	29.4	38.0	46.1	52.4	59.3	63.3	67.9	71.3	73.6
9.2	10.9	13.2	16.0	20.5	25.5	30.5	33.3	41.2	47.4	53.0	58.6	63.0	66.4	69.8	72.6	74.3
9.3	11.0	12.7	15.5	20.0	24.0	29.6	32.4	40.3	46.6	52.2	57.9	62.4	65.8	69.2	72.0	73.7
9.3	10.4	12.1	14.4	16.1	17.8	21.8	24.7	33.8	41.8	47.4	54.3	59.4	64.0	68.0	70.8	73.1
7.0	7.0	7.0	7.0	7.0	7.0	7.0	9.0	18.1	28.6	37.8	47.0	53.6	60.1	65.4	69.3	73.2
8.7	9.3	9.3	10.4	10.4	11.0	13.3	17.8	27.5	36.1	45.2	51.4	57.7	62.8	67.4	70.8	74.2
8.8	8.8	9.4	12.3	11.1	13.5	15.8	20.5	30.0	38.2	45.9	53.5	58.8	64.1	67.7	71.2	74.1
9.3	10.4	12.1	13.8	15.5	18.3	22.3	26.8	34.7	42.0	49.4	55.6	60.7	65.2	68.6	72.0	74.2
8.1	9.3	11.0	13.8	15.0	17.8	20.1	24.7	32.6	41.8	49.2	55.4	60.0	65.1	68.5	71.4	73.7
9.3	9.3	11.0	12.2	13.3	15.0	17.3	24.2	31.7	40.3	47.2	54.1	59.3	63.9	67.9	71.3	74.2
8.7	10.4	12.1	14.4	17.3	20.7	26.9	30.9	38.9	45.2	50.3	56.6	61.7	66.2	69.1	72.5	74.8
8.7	9.8	11.6	13.3	15.0	17.3	22.4	24.7	35.5	43.5	47.4	55.4	60.5	65.7	69.1	71.4	74.8
8.7	10.4	12.7	14.9	17.7	22.8	27.3	31.3	39.8	46.0	52.8	57.9	62.9	66.3	69.7	72.0	74.2
8.2	9.3	11.1	14.5	17.4	21.5	27.3	31.3	38.9	46.4	51.6	57.4	62.6	66.7	69.6	72.4	74.8
8.1	9.3	10.4	11.6	15.0	16.7	22.4	26.4	34.9	42.3	48.6	55.4	60.5	65.1	68.5	71.9	73.7
9.3	10.4	11.6	14.5	19.1	21.9	27.7	32.3	39.7	46.6	51.8	58.1	62.1	66.2	70.2	73.1	75.4
8.2	9.3	9.9	12.3	15.2	17.5	22.8	26.9	35.6	43.2	49.6	55.5	60.7	66.0	68.9	71.8	74.7
8.7	9.8	11.5	14.3	18.3	22.3	27.9	32.4	39.8	47.1	52.2	57.3	62.4	66.9	69.7	72.5	74.8
8.1	9.3	10.4	12.2	14.5	16.8	21.9	26.5	35.1	42.6	48.4	55.2	59.8	64.4	68.5	71.9	74.2
8.7	10.4	11.6	14.4	18.4	21.8	27.5	32.1	39.5	46.9	52.0	57.7	62.3	66.8	69.7	72.5	74.8
8.1	9.3	10.4	12.7	15.0	17.3	22.4	26.9	35.5	43.5	49.7	56.0	61.1	65.7	69.1	72.5	74.2
8.8	9.4	10.6	12.9	15.3	18.3	23.6	27.8	36.1	42.6	49.8	55.7	60.5	64.6	68.8	71.7	74.1
8.1	9.3	11.0	12.7	15.5	18.4	24.1	28.1	36.1	44.0	49.7	56.0	61.1	65.1	69.1	71.9	73.7
8.1	9.3	10.4	12.7	15.6	19.6	24.8	29.4	36.9	44.3	50.7	57.0	61.6	65.6	69.0	71.9	74.8
8.1	9.3	11.0	13.8	16.6	20.6	26.2	30.7	38.1	45.4	51.1	56.7	61.2	65.8	69.2	72.0	74.2
8.7	9.8	11.6	14.4	17.8	21.8	27.5	32.1	39.5	46.3	52.0	58.3	62.8	66.8	70.2	72.5	74.8

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
38.0	46.1	52.4	59.3	63.3	67.9	71.3	73.6	75.9	77.1	77.6	77.6	76.5
47.4	53.0	58.6	63.0	66.4	69.8	72.6	74.3	75.4	76.5	76.5	77.1	76.5
46.6	52.2	57.9	62.4	65.8	69.2	72.0	73.7	75.4	76.5	76.5	76.5	76.5
41.8	47.4	54.3	59.4	64.0	68.0	70.8	73.1	74.8	76.5	76.5	76.5	76.5
28.6	37.8	47.0	53.6	60.1	65.4	69.3	73.2	75.2	77.2	77.8	77.2	76.5
36.1	45.2	51.4	57.7	62.8	67.4	70.8	74.2	75.4	77.1	77.6	77.1	76.5
38.2	45.9	53.5	58.8	64.1	67.7	71.2	74.1	75.9	77.1	77.7	77.7	76.5
42.0	49.4	55.6	60.7	65.2	68.6	72.0	74.2	75.9	77.1	77.1	77.1	76.5
41.8	49.2	55.4	60.0	65.1	68.5	71.4	73.7	75.9	76.5	77.1	77.1	76.5
40.3	47.2	54.1	59.3	63.9	67.9	71.3	74.2	76.5	77.1	77.6	77.6	76.5
45.2	50.3	56.6	61.7	66.2	69.1	72.5	74.8	75.9	76.5	77.1	76.5	76.5
43.5	47.4	55.4	60.5	65.7	69.1	71.4	74.8	75.9	77.1	77.6	77.1	76.5
46.0	52.8	57.9	62.9	66.3	69.7	72.0	74.2	75.9	76.5	77.6	77.1	76.5
46.4	51.6	57.4	62.6	66.7	69.6	72.4	74.8	76.5	77.1	77.7	77.1	76.5
42.3	48.6	55.4	60.5	65.1	68.5	71.9	73.7	75.4	76.5	77.1	77.1	76.5
46.6	51.8	58.1	62.1	66.2	70.2	73.1	75.4	76.5	77.1	77.6	77.6	76.5
43.2	49.6	55.5	60.7	66.0	68.9	71.8	74.7	76.5	77.1	77.7	77.7	76.5
47.1	52.2	57.3	62.4	66.9	69.7	72.5	74.8	75.9	77.1	77.1	77.1	76.5
42.6	48.4	55.2	59.8	64.4	68.5	71.9	74.2	75.9	77.6	77.6	77.1	76.5
46.9	52.0	57.7	62.3	66.8	69.7	72.5	74.8	76.5	77.1	78.2	77.1	76.5
43.5	49.7	56.0	61.1	65.7	69.1	72.5	74.2	76.5	77.1	78.2	77.1	76.5
42.6	49.8	55.7	60.5	64.6	68.8	71.7	74.1	75.9	76.5	77.7	77.1	76.5
44.0	49.7	56.0	61.1	65.1	69.1	71.9	73.7	75.9	77.1	77.1	77.1	76.5
44.3	50.7	57.0	61.6	65.6	69.0	71.9	74.8	76.5	77.1	77.6	77.1	76.5
45.4	51.1	56.7	61.2	65.8	69.2	72.0	74.2	75.4	76.5	77.1	77.1	76.5
46.3	52.0	58.3	62.8	66.8	70.2	72.5	74.8	75.9	77.1	77.6	77.6	76.5

Table A4 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
119	-28.0	7.0	7.6	7.6	8.1	9.3	11.6	14.4	17.8	23.0	28.1	32.1	40
119A	-28.0	7.0	12.4	11.7	11.7	11.7	11.7	12.4	13.7	16.4	24.5	29.9	38
120	-23.5	7.0	8.4	9.0	10.4	12.5	14.5	17.9	22.0	25.4	30.2	34.3	41
121	-23.5	7.0	7.6	7.6	8.2	9.3	11.1	14.0	16.3	20.3	25.5	30.2	37
122	-22.8	7.0	7.0	7.0	7.6	8.7	10.5	12.2	15.1	18.6	23.2	27.9	35
123	-22.8	7.0	7.0	7.6	8.2	8.7	9.9	11.6	14.0	16.3	20.9	25.5	33
124	-28.0	7.0	7.0	7.6	8.1	8.7	9.8	12.1	14.4	17.3	21.8	26.9	34
124A	-28.0	7.0	7.0	7.0	8.2	8.7	10.5	12.2	14.5	18.0	22.6	27.3	35
125	-28.0	7.0	7.0	7.0	7.6	8.8	9.9	12.8	15.2	18.1	23.9	28.0	36
126	-28.0	7.0	7.0	7.6	8.1	8.7	10.4	12.2	15.0	18.5	24.2	28.8	36
127	-28.0	7.0	7.6	7.6	7.6	9.3	11.0	13.3	16.8	20.2	27.1	31.1	39
128	-28.0	7.0	6.4	7.0	7.6	8.7	10.5	13.4	16.3	20.9	26.7	31.3	38
129	-28.0	7.0	7.6	8.1	8.7	9.8	11.6	14.4	18.4	23.0	29.2	33.2	40
129A	-28.0	7.0	7.0	7.0	8.7	9.3	11.6	14.0	18.0	22.6	30.2	34.2	41
130	-22.8	7.0	7.6	8.2	8.8	9.4	10.6	12.4	13.6	16.6	21.4	26.2	35
131	-22.8	7.0	7.0	7.6	8.2	9.3	11.1	13.4	15.2	18.7	23.9	29.2	36
132	-22.8	7.0	7.6	8.1	8.1	10.4	12.1	15.5	19.5	24.1	29.8	34.3	41
133	-22.8	7.0	8.2	8.2	8.7	9.3	10.5	12.8	15.1	16.8	22.1	27.3	35
134	-48.0	7.0	8.1	8.1	7.6	7.0	5.3	3.0	-0.4	-6.1	-5.0	1.9	14
135	-48.0	7.0	7.6	7.6	8.7	9.3	10.5	11.6	14.0	16.8	20.3	24.4	34
136	-48.0	7.0	7.6	8.2	9.4	11.8	13.6	17.9	22.1	26.9	31.8	36.0	42
137	-36.0	7.0	8.2	8.8	9.9	12.3	14.0	16.9	21.6	25.7	30.4	34.4	41
138	-36.0	7.0	8.2	8.8	9.9	12.3	14.6	18.1	22.8	26.9	33.3	36.2	43
139	-48.0	7.0	8.1	8.7	10.4	12.1	15.0	19.0	23.5	28.6	33.8	37.2	44
140	-47.0	7.0	9.0	9.6	10.3	13.0	16.3	20.9	26.9	31.5	37.4	40.8	47
141	-51.0	7.0	8.2	8.8	10.0	11.8	14.2	19.0	23.2	28.0	33.4	37.0	43

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
3.1	9.3	11.6	14.4	17.8	23.0	28.1	32.1	40.0	46.9	52.6	58.3	62.8	66.8	70.8	72.5	74.8
1.7	11.7	11.7	12.4	13.7	16.4	24.5	29.9	38.0	44.8	52.2	56.9	62.3	66.4	69.8	72.5	75.2
0.4	12.5	14.5	17.9	22.0	25.4	30.2	34.3	41.8	49.2	56.7	62.9	70.4	75.8	75.8	76.5	75.8
3.2	9.3	11.1	14.0	16.3	20.3	25.5	30.2	37.7	45.2	51.0	56.8	62.0	65.5	69.0	71.9	74.2
7.6	8.7	10.5	12.2	15.1	18.6	23.2	27.9	35.4	43.5	49.9	55.7	60.9	65.5	69.0	71.9	74.8
3.2	8.7	9.9	11.6	14.0	16.3	20.9	25.5	33.6	41.8	48.7	55.1	60.3	64.9	69.0	71.9	74.2
3.1	8.7	9.8	12.1	14.4	17.3	21.8	26.9	34.9	42.9	49.2	55.4	60.5	65.1	68.5	71.9	74.2
3.2	8.7	10.5	12.2	14.5	18.0	22.6	27.3	35.4	42.9	50.4	55.7	60.9	65.5	69.0	71.9	74.8
7.6	8.8	9.9	12.8	15.2	18.1	23.9	28.0	36.2	43.8	50.2	56.1	61.3	64.8	68.9	72.4	74.2
3.1	8.7	10.4	12.2	15.0	18.5	24.2	28.8	36.9	44.3	50.7	55.8	61.0	65.6	69.0	71.9	74.2
7.6	9.3	11.0	13.3	16.8	20.2	27.1	31.1	39.2	45.5	51.8	57.0	62.1	66.2	69.6	71.9	74.2
7.6	8.7	10.5	13.4	16.3	20.9	26.7	31.3	38.3	45.2	52.2	57.4	61.4	66.1	69.6	71.9	74.2
3.7	9.8	11.6	14.4	18.4	23.0	29.2	33.2	40.0	46.9	52.6	58.3	62.8	66.8	70.2	72.5	74.8
3.7	9.3	11.6	14.0	18.0	22.6	30.2	34.2	41.8	48.1	53.9	59.1	63.2	67.2	70.1	73.0	74.8
3.8	9.4	10.6	12.4	13.6	16.6	21.4	26.2	35.2	42.9	49.5	55.5	60.9	65.7	69.3	72.3	74.7
3.2	9.3	11.1	13.4	15.2	18.7	23.9	29.2	36.8	45.0	50.8	56.6	61.9	65.4	69.5	71.8	74.2
3.1	10.4	12.1	15.5	19.5	24.1	29.8	34.3	41.2	48.0	53.1	58.8	63.4	66.8	70.2	72.5	74.8
3.7	9.3	10.5	12.8	15.1	16.8	22.1	27.3	35.4	42.9	49.3	56.2	61.4	65.5	69.0	72.4	74.8
7.6	7.0	5.3	3.0	-0.4	-6.1	-5.0	1.9	14.4	24.7	34.9	44.0	52.0	59.4	64.5	69.1	72.5
3.7	9.3	10.5	11.6	14.0	16.8	20.3	24.4	34.2	41.8	49.3	55.1	60.3	64.9	69.0	71.9	74.8
9.4	11.8	13.6	17.9	22.1	26.9	31.8	36.0	42.1	48.7	54.7	59.0	63.2	66.8	69.2	72.3	74.1
9.9	12.3	14.0	16.9	21.6	25.7	30.4	34.4	41.5	47.3	54.3	59.6	63.1	67.2	70.7	73.0	74.7
9.9	12.3	14.6	18.1	22.8	26.9	33.3	36.2	43.2	49.1	54.9	59.6	64.2	67.2	70.7	73.6	74.7
0.4	12.1	15.0	19.0	23.5	28.6	33.8	37.2	44.6	49.7	55.4	60.5	64.5	67.4	70.8	72.5	74.8
0.3	13.0	16.3	20.9	26.9	31.5	37.4	40.8	47.4	53.3	61.3	65.2	65.2	65.9	65.9	68.6	72.5
0.0	11.8	14.2	19.0	23.2	28.0	33.4	37.0	43.5	49.5	54.9	59.7	63.9	67.5	70.5	72.9	74.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
46.9	52.6	58.3	62.8	66.8	70.8	72.5	74.8	76.5	77.6	77.6	78.2	76.5
44.8	52.2	56.9	62.3	66.4	69.8	72.5	75.2	76.5	77.8	78.5	77.8	76.5
49.2	56.7	62.9	70.4	75.8	75.8	76.5	75.8	75.8	75.8	75.8	77.2	76.5
45.2	51.0	56.8	62.0	65.5	69.0	71.9	74.2	75.9	77.1	77.7	77.1	76.5
43.5	49.9	55.7	60.9	65.5	69.0	71.9	74.8	76.5	77.1	77.7	77.1	76.5
41.8	48.7	55.1	60.3	64.9	69.0	71.9	74.2	76.5	77.1	77.7	77.7	76.5
42.9	49.2	55.4	60.5	65.1	68.5	71.9	74.2	75.9	77.1	77.6	77.1	76.5
42.9	50.4	55.7	60.9	65.5	69.0	71.9	74.8	75.9	77.1	77.7	77.1	76.5
43.8	50.2	56.1	61.3	64.8	68.9	72.4	74.2	75.9	77.1	77.1	77.1	76.5
44.3	50.7	55.8	61.0	65.6	69.0	71.9	74.2	75.9	77.1	77.1	77.1	76.5
45.5	51.8	57.0	62.1	66.2	69.6	71.9	74.2	75.9	77.1	77.1	77.1	76.5
45.2	52.2	57.4	61.4	66.1	69.6	71.9	74.2	75.9	76.5	77.1	77.1	76.5
46.9	52.6	58.3	62.8	66.8	70.2	72.5	74.8	75.9	77.6	77.6	77.6	76.5
48.1	53.9	59.1	63.2	67.2	70.1	73.0	74.8	75.9	77.1	77.7	77.1	76.5
42.9	49.5	55.5	60.9	65.7	69.3	72.3	74.7	75.9	77.7	77.7	77.7	76.5
45.0	50.8	56.6	61.9	65.4	69.5	71.8	74.2	75.3	76.5	77.7	77.1	76.5
48.0	53.1	58.8	63.4	66.8	70.2	72.5	74.8	76.5	77.1	77.1	77.1	76.5
42.9	49.3	56.2	61.4	65.5	69.0	72.4	74.8	75.9	77.1	77.7	77.7	76.5
24.7	34.9	44.0	52.0	59.4	64.5	69.1	72.5	75.4	76.5	77.1	77.7	76.5
41.8	49.3	55.1	60.3	64.9	69.0	71.9	74.8	76.5	77.1	77.7	77.1	76.5
48.7	54.7	59.0	63.2	66.8	69.2	72.3	74.1	75.3	76.5	76.5	76.5	76.5
47.3	54.3	59.6	63.1	67.2	70.7	73.0	74.7	75.9	77.1	77.1	77.1	76.5
49.1	54.9	59.6	64.2	67.2	70.7	73.6	74.7	76.5	77.1	77.7	77.7	76.5
49.7	55.4	60.5	64.5	67.4	70.8	72.5	74.8	75.9	77.1	77.1	76.5	76.5
53.3	61.3	65.2	65.2	65.9	65.9	68.6	72.5	73.9	77.2	77.8	77.2	76.5
49.5	54.9	59.7	63.9	67.5	70.5	72.9	74.7	75.9	77.1	77.1	77.1	76.5

Table A4 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
142	-45.0	7.0	8.1	8.7	9.9	12.2	15.0	19.1	23.7	28.8	34.6	37.4	4
143	-49.0	7.0	8.2	8.8	10.0	12.4	15.5	19.1	24.5	29.4	34.8	38.4	4
144	-31.0	7.0	8.2	8.2	10.0	11.2	14.7	18.9	22.4	27.2	31.9	36.1	4
144A	-31.0	7.0	7.6	8.2	9.4	11.2	14.1	17.7	22.4	27.2	33.1	36.7	4
145	-51.4	7.0	8.2	8.2	8.8	9.3	10.5	11.7	12.3	12.3	15.8	20.4	2
146	-49.0	7.0	9.3	9.9	9.9	12.2	14.5	18.5	23.7	27.7	33.4	37.4	4
147	-46.6	7.0	8.1	8.7	9.9	12.2	15.0	19.1	24.2	28.3	34.0	38.0	4
148	-45.0	7.0	8.1	8.7	9.9	11.6	15.0	19.1	24.2	29.4	33.4	38.0	4
149	-45.0	7.0	8.2	8.2	9.9	11.7	14.1	18.2	23.5	28.8	33.5	37.6	4
149A	-45.0	7.0	7.6	7.6	8.2	9.5	10.1	10.1	11.3	11.3	13.8	19.4	2
150	-45.0	7.0	8.2	8.8	9.9	11.7	14.7	18.8	23.5	28.8	34.1	37.6	4
151	-38.0	7.0	8.2	8.8	10.0	11.9	14.3	18.6	23.5	28.9	33.8	37.5	4
152	-38.0	7.0	8.7	8.7	9.9	11.6	14.5	18.6	23.8	29.0	33.6	37.7	4
153	-38.0	7.0	8.1	8.7	9.9	11.6	14.5	18.5	23.1	28.8	33.4	37.4	4
154	-38.0	7.0	8.8	8.8	10.0	11.8	13.6	17.8	22.6	28.0	33.4	37.6	4
155	-38.0	7.0	8.2	8.8	10.0	11.8	14.7	18.3	23.6	29.0	34.3	37.9	4
156	-38.0	7.0	8.7	8.7	9.9	12.2	14.5	19.2	23.8	29.0	34.2	38.3	4
157	-31.0	7.0	9.3	8.7	10.4	12.2	15.0	19.6	24.8	30.0	34.6	38.6	4
158	-31.0	7.0	8.2	8.7	9.9	11.6	15.1	19.2	24.4	30.2	34.2	38.3	4

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
9.9	12.2	15.0	19.1	23.7	28.8	34.6	37.4	44.3	49.5	55.2	60.4	64.4	67.9	70.8	72.5	74.8
0.0	12.4	15.5	19.1	24.5	29.4	34.8	38.4	45.7	51.1	57.2	59.0	62.6	66.8	69.2	71.7	73.5
0.0	11.2	14.7	18.9	22.4	27.2	31.9	36.1	43.2	48.6	53.9	59.3	62.8	67.0	69.4	72.3	73.5
9.4	11.2	14.1	17.7	22.4	27.2	33.1	36.7	43.8	49.8	55.1	59.9	64.0	67.6	70.6	72.9	74.7
8.8	9.3	10.5	11.7	12.3	12.3	15.8	20.4	29.2	38.5	46.1	52.6	59.0	63.7	68.3	71.8	74.7
9.9	12.2	14.5	18.5	23.7	27.7	33.4	37.4	43.2	49.5	54.7	60.4	63.9	67.9	70.8	73.1	74.8
9.9	12.2	15.0	19.1	24.2	28.3	34.0	38.0	44.9	50.1	55.8	60.4	65.0	67.9	70.8	73.6	75.4
9.9	11.6	15.0	19.1	24.2	29.4	33.4	38.0	44.9	50.1	55.2	60.4	64.4	67.9	70.8	73.1	74.8
9.9	11.7	14.1	18.2	23.5	28.8	33.5	37.6	44.1	50.0	55.3	60.6	64.7	68.3	71.2	73.0	74.7
8.2	9.5	10.1	10.1	11.3	11.3	13.8	19.4	29.3	38.6	46.1	52.9	58.5	64.1	67.2	70.9	74.0
9.9	11.7	14.7	18.8	23.5	28.8	34.1	37.6	44.1	50.0	55.3	60.6	64.7	68.3	71.2	73.0	75.3
0.0	11.9	14.3	18.6	23.5	28.9	33.8	37.5	44.8	50.3	55.8	60.6	64.9	68.6	71.6	74.1	75.3
9.9	11.6	14.5	18.6	23.8	29.0	33.6	37.7	43.5	49.9	55.7	60.3	63.8	67.2	70.7	73.0	74.8
9.9	11.6	14.5	18.5	23.1	28.8	33.4	37.4	44.3	49.5	54.7	59.8	63.9	66.7	70.2	72.5	74.2
0.0	11.8	13.6	17.8	22.6	28.0	33.4	37.6	44.1	50.1	54.9	60.3	64.5	68.1	71.1	73.5	74.7
0.0	11.8	14.7	18.3	23.6	29.0	34.3	37.9	44.4	51.0	55.7	61.1	64.6	68.2	71.2	73.5	75.3
9.9	12.2	14.5	19.2	23.8	29.0	34.2	38.3	44.1	51.0	55.7	60.9	63.8	67.8	71.3	73.0	75.3
0.4	12.2	15.0	19.6	24.8	30.0	34.6	38.6	44.9	50.1	55.2	61.0	64.4	67.9	71.3	73.1	74.8
9.9	11.6	15.1	19.2	24.4	30.2	34.2	38.3	44.6	50.4	55.7	60.3	64.3	67.8	70.7	73.6	74.8

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
49.5	55.2	60.4	64.4	67.9	70.8	72.5	74.8	76.5	77.1	77.6	77.6	76.5
51.1	57.2	59.0	62.6	66.8	69.2	71.7	73.5	75.3	76.5	76.5	77.1	76.5
48.6	53.9	59.3	62.8	67.0	69.4	72.3	73.5	75.3	76.5	77.1	76.5	76.5
49.8	55.1	59.9	64.0	67.6	70.6	72.9	74.7	75.9	77.1	77.7	77.1	76.5
38.5	46.1	52.6	59.0	63.7	68.3	71.8	74.7	75.9	77.1	77.1	77.1	76.5
49.5	54.7	60.4	63.9	67.9	70.8	73.1	74.8	75.9	76.5	77.1	77.1	76.5
50.1	55.8	60.4	65.0	67.9	70.8	73.6	75.4	76.5	77.1	77.6	77.1	76.5
50.1	55.2	60.4	64.4	67.9	70.8	73.1	74.8	75.9	76.5	77.1	76.5	76.5
50.0	55.3	60.6	64.7	68.3	71.2	73.0	74.7	76.5	77.1	77.1	77.1	76.5
38.6	46.1	52.9	58.5	64.1	67.2	70.9	74.0	75.3	77.1	77.1	77.1	76.5
50.0	55.3	60.6	64.7	68.3	71.2	73.0	75.3	76.5	77.1	77.7	77.7	76.5
50.3	55.8	60.6	64.9	68.6	71.6	74.1	75.3	76.5	77.1	77.1	77.1	76.5
49.9	55.7	60.3	63.8	67.2	70.7	73.0	74.8	75.9	77.1	77.1	76.5	76.5
49.5	54.7	59.8	63.9	66.7	70.2	72.5	74.2	75.9	76.5	76.5	76.5	76.5
50.1	54.9	60.3	64.5	68.1	71.1	73.5	74.7	76.5	77.1	77.1	77.1	76.5
51.0	55.7	61.1	64.6	68.2	71.2	73.5	75.3	76.5	77.1	77.7	77.1	76.5
51.0	55.7	60.9	63.8	67.8	71.3	73.0	75.3	75.9	77.7	77.1	77.1	76.5
50.1	55.2	61.0	64.4	67.9	71.3	73.1	74.8	75.9	77.1	77.1	77.1	76.5
50.4	55.7	60.3	64.3	67.8	70.7	73.6	74.8	75.9	76.5	77.1	77.7	76.5

Table A5
H-H Pattern System Average Piezometer Reading During Filling Operation, Type 2 Syst
Lower Pool El 7, Single Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
UP	—	76.5	76.5	76.5	77.1	75.3	76.5	76.5	76.5	75.9	75.9	75.9	75.
LC	—	7.0	6.4	7.0	7.0	7.0	7.6	8.7	9.3	9.9	11.6	14.5	22.
LP	—	7.0	8.1	7.0	7.6	8.1	7.0	7.0	7.6	7.6	7.6	7.0	7.
1	-53.0	76.5	76.5	76.5	76.5	77.1	76.5	75.9	75.9	75.4	74.8	74.2	72.
2	-53.0	76.5	75.9	75.4	75.9	75.9	75.9	75.9	75.4	74.8	74.3	72.6	70.
3	-53.0	76.5	75.9	76.5	75.9	75.9	76.5	75.9	75.4	74.8	74.2	73.1	70.
4	-53.0	76.5	76.5	76.5	75.9	75.9	75.9	75.9	75.4	75.4	74.3	72.0	67.
5	-53.0	76.5	77.1	76.5	77.1	75.9	76.5	75.9	75.9	74.8	73.7	72.0	66.
6	-53.0	76.5	76.5	76.5	76.5	76.5	75.9	75.9	75.4	74.8	73.7	72.0	66.
7	-53.0	76.5	77.1	77.1	76.5	77.1	76.5	76.5	77.1	76.5	75.9	75.9	75.
8	-53.0	76.5	77.1	77.1	76.5	76.5	75.9	75.9	75.4	74.8	73.1	70.8	63.
9	-53.0	76.5	75.9	75.9	75.9	75.3	75.3	75.3	74.7	74.1	72.9	70.0	64.
10	-46.0	76.5	75.4	75.4	75.4	73.7	73.1	72.0	70.3	67.5	60.2	51.2	21.
11	-42.5	76.5	75.4	75.4	74.8	73.7	73.7	72.0	70.3	67.5	61.3	51.7	21.
12	-46.0	76.5	75.4	75.4	74.8	74.2	72.5	71.4	69.6	67.4	60.5	50.8	21.
13	-49.5	76.5	76.5	75.9	75.4	75.4	73.7	72.5	71.4	68.6	62.9	54.4	28.
14	-53.0	7.0	7.0	2.4	-0.4	-3.3	-4.4	-5.0	-6.7	-7.2	-6.7	-2.1	16.
15	-46.0	7.0	6.4	4.2	0.7	-1.5	-4.4	-3.3	-5.0	-7.2	-10.1	-5.5	16.
16	-3.0	76.5	75.9	75.9	75.4	74.2	73.1	72.0	70.9	68.6	62.4	52.2	21.
17	-3.0	7.0	7.0	2.4	1.3	-1.5	-3.3	-3.3	-3.3	-2.1	-3.3	-3.3	19.
18	-39.0	7.0	7.0	3.0	0.1	-1.6	-5.6	-3.3	-5.1	-9.1	-10.8	-10.2	8.
19	-38.4	7.0	7.0	2.9	0.5	-1.2	-3.0	-3.6	-4.8	-8.3	-10.7	-11.3	17.
20	-37.7	7.0	7.0	1.9	1.3	-0.4	-2.1	-3.8	-4.4	-9.0	-12.4	-10.7	21.
21	-37.4	7.0	7.6	1.3	1.8	-1.0	-2.8	-3.9	-5.1	-6.8	-12.5	-8.5	21.
22	-37.0	7.0	8.1	1.9	4.2	-1.0	-1.0	-3.3	-5.0	-5.5	-11.8	-8.4	23.

zometer Reading During Filling Operation, Type 2 System, Lift 69.5 ft, Valve Speed 4 Min (Constant Speed Gate O peration

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
7.1	75.3	76.5	76.5	76.5	75.9	75.9	75.9	75.9	75.3	75.9	75.3	75.9	75.9	75.9	75.9	76.5
7.0	7.0	7.6	8.7	9.3	9.9	11.6	14.5	22.1	31.3	39.4	46.4	53.3	59.1	63.8	68.4	71.3
7.6	8.1	7.0	7.0	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
6.5	77.1	76.5	75.9	75.9	75.4	74.8	74.2	72.0	72.0	73.1	73.7	73.7	74.8	74.8	75.4	75.9
5.9	75.9	75.9	75.9	75.4	74.8	74.3	72.6	70.3	69.8	70.9	72.6	72.6	73.7	74.3	74.8	74.8
5.9	75.9	76.5	75.9	75.4	74.8	74.2	73.1	70.8	70.8	71.4	72.0	73.7	73.7	74.2	74.8	75.4
5.9	75.9	75.9	75.9	75.4	75.4	74.3	72.0	67.5	68.1	69.8	70.9	71.5	72.6	73.7	74.3	75.4
7.1	75.9	76.5	75.9	75.9	74.8	73.7	72.0	66.4	67.5	68.6	69.8	71.4	72.6	73.1	74.8	75.4
6.5	76.5	75.9	75.9	75.4	74.8	73.7	72.0	66.9	67.5	68.6	70.3	71.4	72.6	73.7	74.2	74.8
6.5	77.1	76.5	76.5	77.1	76.5	75.9	75.9	75.4	75.4	75.9	75.4	75.9	75.9	75.9	75.9	75.9
6.5	76.5	75.9	75.9	75.4	74.8	73.1	70.8	63.5	64.0	66.3	68.0	69.7	72.0	72.5	74.2	74.8
5.9	75.3	75.3	75.3	74.7	74.1	72.9	70.0	64.0	64.0	66.4	68.2	69.4	70.6	72.3	72.9	74.1
5.4	73.7	73.1	72.0	70.3	67.5	60.2	51.2	21.4	23.7	32.6	41.6	49.0	55.1	61.3	65.8	69.2
4.8	73.7	73.7	72.0	70.3	67.5	61.3	51.7	21.3	24.7	33.7	41.6	49.5	56.2	61.9	65.8	69.2
4.8	74.2	72.5	71.4	69.6	67.4	60.5	50.8	21.1	24.5	33.6	42.2	49.6	55.4	61.1	65.6	69.1
5.4	75.4	73.7	72.5	71.4	68.6	62.9	54.4	28.8	32.8	41.3	48.1	54.4	59.5	64.0	67.4	70.8
0.4	-3.3	-4.4	-5.0	-6.7	-7.2	-6.7	-2.1	16.1	24.1	32.6	41.8	48.6	56.0	61.1	65.7	69.1
0.7	-1.5	-4.4	-3.3	-5.0	-7.2	-10.1	-5.5	16.1	24.1	33.8	41.8	49.7	56.0	61.7	65.7	70.2
5.4	74.2	73.1	72.0	70.9	68.6	62.4	52.2	21.8	25.2	34.2	43.2	49.4	56.8	61.8	65.8	69.7
1.3	-1.5	-3.3	-3.3	-3.3	-2.1	-3.3	-3.3	19.0	25.2	34.3	42.3	49.7	56.0	61.7	66.2	69.7
0.1	-1.6	-5.6	-3.3	-5.1	-9.1	-10.8	-10.2	8.1	17.3	28.3	38.0	46.6	53.5	60.4	65.0	69.6
0.5	-1.2	-3.0	-3.6	-4.8	-8.3	-10.7	-11.3	17.0	24.1	33.5	41.8	49.4	55.9	61.2	65.9	69.4
1.3	-0.4	-2.1	-3.8	-4.4	-9.0	-12.4	-10.7	21.2	29.2	37.8	45.2	52.0	58.3	62.8	67.4	70.2
1.8	-1.0	-2.8	-3.9	-5.1	-6.8	-12.5	-8.5	21.4	29.4	38.0	45.5	51.8	57.5	62.7	67.3	70.2
4.2	-1.0	-1.0	-3.3	-5.0	-5.5	-11.8	-8.4	23.5	31.5	39.5	46.3	53.1	58.3	63.4	66.8	70.8

, Lift 69.5 ft, Valve Speed 4 Min (Constant Speed Gate Opening), Upper Pool El 76.5,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
75.3	75.9	75.3	75.9	75.9	75.9	75.9	76.5	75.9	75.9	75.9	76.5	76.5
31.3	39.4	46.4	53.3	59.1	63.8	68.4	71.3	73.6	75.9	77.1	77.1	76.5
7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0
72.0	73.1	73.7	73.7	74.8	74.8	75.4	75.9	75.9	75.9	75.9	76.5	76.5
69.8	70.9	72.6	72.6	73.7	74.3	74.8	74.8	75.4	75.4	75.9	75.4	76.5
70.8	71.4	72.0	73.7	73.7	74.2	74.8	75.4	75.4	75.4	76.5	76.5	75.9
68.1	69.8	70.9	71.5	72.6	73.7	74.3	75.4	75.9	75.9	75.9	76.5	77.1
67.5	68.6	69.8	71.4	72.6	73.1	74.8	75.4	75.4	75.9	75.9	76.5	76.5
67.5	68.6	70.3	71.4	72.6	73.7	74.2	74.8	75.9	75.9	75.9	76.5	77.1
75.4	75.9	75.4	75.9	75.9	75.9	75.9	75.9	76.5	75.9	75.9	75.9	75.9
64.0	66.3	68.0	69.7	72.0	72.5	74.2	74.8	75.9	76.5	75.9	76.5	77.1
64.0	66.4	68.2	69.4	70.6	72.3	72.9	74.1	75.3	75.3	75.9	75.9	75.9
23.7	32.6	41.6	49.0	55.1	61.3	65.8	69.2	71.4	74.3	75.4	75.9	76.5
24.7	33.7	41.6	49.5	56.2	61.9	65.8	69.2	72.6	74.2	75.9	76.5	76.5
24.5	33.6	42.2	49.6	55.4	61.1	65.6	69.1	71.9	73.6	75.4	75.9	75.9
32.8	41.3	48.1	54.4	59.5	64.0	67.4	70.8	73.1	74.8	75.9	75.9	77.1
24.1	32.6	41.8	48.6	56.0	61.1	65.7	69.1	71.9	74.2	75.9	76.5	76.5
24.1	33.8	41.8	49.7	56.0	61.7	65.7	70.2	72.5	74.8	75.9	76.5	76.5
25.2	34.2	43.2	49.4	56.8	61.8	65.8	69.7	72.6	74.2	75.9	76.5	76.5
25.2	34.3	42.3	49.7	56.0	61.7	66.2	69.7	72.5	74.8	75.9	76.5	76.5
17.3	28.3	38.0	46.6	53.5	60.4	65.0	69.6	72.5	74.8	75.9	77.6	76.5
24.1	33.5	41.8	49.4	55.9	61.2	65.9	69.4	72.4	74.1	75.9	76.5	76.5
29.2	37.8	45.2	52.0	58.3	62.8	67.4	70.2	73.7	75.4	75.9	77.1	76.5
29.4	38.0	45.5	51.8	57.5	62.7	67.3	70.2	73.1	74.8	75.4	76.5	76.5
31.5	39.5	46.3	53.1	58.3	63.4	66.8	70.8	73.1	74.8	75.9	76.5	76.5

Table A5 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
23	-36.0	7.0	9.3	4.2	4.2	-1.0	-0.4	-1.5	-5.0	-5.5	-8.4	-7.8	27
24	-35.0	76.5	73.9	75.9	75.9	75.9	76.5	75.9	75.9	75.9	75.9	75.9	75
25	-33.5	7.0	9.8	8.7	7.0	5.9	0.7	-0.4	2.4	-9.0	-2.1	4.7	34
26	-32.0	7.0	8.7	9.3	8.1	7.6	-1.0	1.3	5.3	-5.1	-0.5	8.7	36
27	-31.0	7.0	8.7	8.7	9.3	9.8	8.7	6.4	7.0	14.4	8.1	20.7	37
27A	-31.0	7.0	8.1	7.6	8.1	8.1	8.7	9.2	10.4	10.9	12.6	16.0	19
28	-42.0	7.0	8.1	9.3	9.9	9.3	10.4	11.0	11.0	15.0	15.6	21.4	38
29	-42.0	7.0	8.7	9.3	9.8	9.8	10.4	11.6	11.6	15.0	16.1	20.7	30
30	-42.0	7.0	8.8	8.8	10.1	9.5	11.3	11.9	13.2	15.6	18.1	24.8	38
31	-42.0	7.0	—	—	—	—	—	—	—	—	—	—	—
32	-53.0	7.0	8.7	9.3	9.8	11.0	11.0	13.3	13.3	13.3	18.4	21.2	36
33	-53.0	7.0	8.7	8.7	9.3	9.9	10.4	12.2	12.7	14.5	18.5	22.5	36
34	-53.0	7.0	8.7	8.7	9.3	9.8	10.4	12.1	13.3	13.8	17.8	23.0	35
35	-53.0	7.0	8.1	8.1	8.1	9.3	9.9	11.6	12.2	13.3	16.8	21.9	34
36	-53.0	7.0	8.2	8.8	8.8	9.3	9.9	11.1	12.8	13.4	16.9	21.6	33
36A	-53.0	7.0	8.2	7.6	8.2	8.2	8.7	9.9	10.5	11.1	12.8	15.1	20
37	-48.0	7.0	8.1	8.1	8.7	9.3	9.8	11.5	12.7	14.3	18.3	24.5	40
38	-36.0	7.0	8.2	8.7	9.3	9.9	9.9	11.6	12.8	14.0	17.4	22.6	36
39	-48.0	7.0	6.4	6.4	6.4	7.0	7.0	8.8	9.4	9.9	12.3	14.7	22
40	-36.0	7.0	9.3	9.3	9.3	9.3	9.3	9.3	8.7	8.1	6.4	4.7	-5
41	-36.0	7.0	8.2	8.2	8.8	8.2	8.8	9.3	9.3	8.8	8.8	7.6	1
42	-36.0	7.0	7.6	7.0	7.0	7.6	7.6	8.2	7.6	8.2	8.8	7.0	-1
43	-33.0	7.0	6.4	6.4	7.0	7.6	8.2	9.4	10.5	11.7	15.2	20.5	34
44	-37.0	7.0	7.6	7.0	8.2	8.7	9.3	10.5	11.1	12.8	16.3	21.5	34
45	-39.0	7.0	8.2	8.2	9.3	9.3	9.9	11.1	12.8	13.4	17.4	22.1	35
46	-35.0	7.0	9.3	8.7	9.3	10.4	11.0	11.5	13.2	14.3	17.7	22.8	35

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
4.2	-1.0	-0.4	-1.5	-5.0	-5.5	-8.4	-7.8	27.5	34.3	42.3	49.7	54.9	60.5	64.5	68.5	71.4
5.9	75.9	76.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.3	75.3	75.3	75.9	75.3	75.3	75.9
7.0	5.9	0.7	-0.4	2.4	-9.0	-2.1	4.7	34.3	41.8	48.0	53.7	58.3	62.3	66.2	70.2	71.9
8.1	7.6	-1.0	1.3	5.3	-5.1	-0.5	8.7	36.9	42.6	50.1	54.7	59.3	63.3	66.2	69.0	71.9
9.3	9.8	8.7	6.4	7.0	14.4	8.1	20.7	37.2	43.5	50.3	54.9	59.4	62.8	66.8	70.2	71.9
8.1	8.1	8.7	9.2	10.4	10.9	12.6	16.0	19.9	27.7	36.7	44.0	50.7	56.9	61.9	65.3	69.2
9.9	9.3	10.4	11.0	11.0	15.0	15.6	21.4	38.6	44.3	50.7	55.8	60.4	65.0	67.9	70.8	72.5
9.8	9.8	10.4	11.6	11.6	15.0	16.1	20.7	30.4	37.8	45.2	50.3	57.1	61.1	65.1	68.5	71.4
0.1	9.5	11.3	11.9	13.2	15.6	18.1	24.8	38.4	45.1	50.7	55.0	60.5	64.2	67.9	69.7	72.2
-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.8	11.0	11.0	13.3	13.3	13.3	18.4	21.2	36.6	44.0	49.7	54.9	60.0	63.4	67.4	70.2	71.9
9.3	9.9	10.4	12.2	12.7	14.5	18.5	22.5	36.3	42.0	48.9	53.5	58.7	62.7	66.2	69.0	71.9
9.3	9.8	10.4	12.1	13.3	13.8	17.8	23.0	35.5	41.8	48.6	53.7	58.8	62.3	66.2	69.1	71.9
8.1	9.3	9.9	11.6	12.2	13.3	16.8	21.9	34.0	40.9	48.4	53.5	58.7	62.7	66.2	69.6	71.9
8.8	9.3	9.9	11.1	12.8	13.4	16.9	21.6	33.9	40.9	47.9	53.1	58.4	63.1	66.0	69.5	71.8
8.2	8.2	8.7	9.9	10.5	11.1	12.8	15.1	20.3	28.4	37.1	45.2	52.2	58.5	63.2	67.2	71.3
8.7	9.3	9.8	11.5	12.7	14.3	18.3	24.5	40.3	47.1	53.3	56.7	61.2	64.6	68.0	70.3	73.1
9.3	9.9	9.9	11.6	12.8	14.0	17.4	22.6	36.5	43.5	51.0	55.7	60.3	64.3	67.8	70.7	73.0
6.4	7.0	7.0	8.8	9.4	9.9	12.3	14.7	22.3	31.7	39.4	46.5	52.9	58.8	63.0	67.7	71.2
9.3	9.3	9.3	9.3	8.7	8.1	6.4	4.7	-5.5	4.2	19.5	29.8	40.6	49.2	57.1	63.4	68.5
8.8	8.2	8.8	9.3	9.3	8.8	8.8	7.6	1.2	11.1	25.1	35.6	45.0	52.6	58.4	64.8	68.9
7.0	7.6	7.6	8.2	7.6	8.2	8.8	7.0	-1.2	12.3	22.2	33.9	43.2	50.8	57.8	63.7	68.3
7.0	7.6	8.2	9.4	10.5	11.7	15.2	20.5	34.1	41.8	43.8	53.5	58.2	63.5	65.9	69.4	72.4
8.2	8.7	9.3	10.5	11.1	12.8	16.3	21.5	34.2	42.3	48.7	54.5	58.5	63.2	66.7	70.1	72.4
9.3	9.3	9.9	11.1	12.8	13.4	17.4	22.1	35.4	42.9	49.9	54.5	59.7	63.2	67.2	70.1	72.4
9.3	10.4	11.0	11.5	13.2	14.3	17.7	22.8	35.3	43.2	49.9	55.0	59.5	63.5	67.5	70.3	72.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
34.3	42.3	49.7	54.9	60.5	64.5	68.5	71.4	73.7	75.4	76.5	77.1	76.5
75.9	75.3	75.3	75.3	75.9	75.3	75.3	75.9	75.3	75.3	75.9	75.9	74.7
41.8	48.0	53.7	58.3	62.3	66.2	70.2	71.9	74.2	75.4	75.9	77.1	76.5
42.6	50.1	54.7	59.3	63.3	66.2	69.0	71.9	73.6	74.8	75.9	76.5	76.5
43.5	50.3	54.9	59.4	62.8	66.8	70.2	71.9	73.7	74.8	76.5	76.5	76.5
27.7	36.7	44.0	50.7	56.9	61.9	65.3	69.2	71.5	73.1	76.5	77.1	76.5
44.3	50.7	55.8	60.4	65.0	67.9	70.8	72.5	74.8	75.4	76.5	76.5	76.5
37.8	45.2	50.3	57.1	61.1	65.1	68.5	71.4	73.7	75.4	75.9	77.1	76.5
45.1	50.7	55.0	60.5	64.2	67.9	69.7	72.2	74.0	75.3	75.9	76.5	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
44.0	49.7	54.9	60.0	63.4	67.4	70.2	71.9	74.2	75.4	75.9	77.1	76.5
42.0	48.9	53.5	58.7	62.7	66.2	69.0	71.9	73.6	75.4	75.9	76.5	76.5
41.8	48.6	53.7	58.8	62.3	66.2	69.1	71.9	73.7	74.8	75.9	75.9	76.5
40.9	48.4	53.5	58.7	62.7	66.2	69.6	71.9	74.2	75.4	76.5	77.1	76.5
40.9	47.9	53.1	58.4	63.1	66.0	69.5	71.8	74.2	75.3	76.5	76.5	76.5
28.4	37.1	45.2	52.2	58.5	63.2	67.2	71.3	74.2	75.9	77.1	77.1	76.5
47.1	53.3	56.7	61.2	64.6	68.0	70.3	73.1	74.8	75.9	76.5	76.5	76.5
43.5	51.0	55.7	60.3	64.3	67.8	70.7	73.0	74.8	75.9	77.1	77.7	76.5
31.7	39.4	46.5	52.9	58.8	63.0	67.7	71.2	73.6	75.3	75.9	77.1	76.5
4.2	19.5	29.8	40.6	49.2	57.1	63.4	68.5	72.5	74.8	77.1	77.1	76.5
11.1	25.1	35.6	45.0	52.6	58.4	64.8	68.9	72.4	75.3	76.5	77.7	76.5
12.3	22.2	33.9	43.2	50.8	57.8	63.7	68.3	71.8	74.7	76.5	77.1	76.5
41.8	43.8	53.5	58.2	63.5	65.9	69.4	72.4	74.1	75.3	76.5	77.1	76.5
42.3	48.7	54.5	58.5	63.2	66.7	70.1	72.4	74.2	75.3	76.5	77.1	76.5
42.9	49.9	54.5	59.7	63.2	67.2	70.1	72.4	74.2	75.3	76.5	76.5	76.5
43.2	49.9	55.0	59.5	63.5	67.5	70.3	72.0	74.2	75.4	76.5	76.5	76.5

Table A5 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
47	-36.0	7.0	7.6	7.6	8.8	8.8	9.4	10.6	11.8	12.9	17.1	22.4	35.5
48	-36.0	7.0	8.7	8.7	9.3	9.9	10.4	11.6	13.3	14.5	19.1	24.2	38.(
49	-36.0	7.0	7.6	7.6	8.1	8.7	9.3	11.0	12.2	13.9	17.3	22.5	36.5
50	-31.0	7.0	7.6	7.6	7.6	8.2	8.2	9.4	9.9	10.5	12.3	14.7	20.5
51	-42.0	7.0	7.6	7.6	7.6	8.2	8.2	9.3	9.3	9.9	11.6	14.5	18.(
52	-27.8	7.0	7.6	8.2	8.8	8.8	9.4	9.9	10.5	10.5	12.3	20.5	25.5
53	-49.5	7.0	8.2	8.7	8.2	8.7	8.7	9.9	11.1	11.6	12.8	20.9	23.2
54	-21.6	—	—	—	—	—	—	—	—	—	—	—	—
55	-41.6	7.0	7.0	7.6	7.6	8.2	8.7	9.3	10.5	12.2	15.7	19.7	27.3
56	-17.5	7.0	7.0	7.0	7.6	8.2	8.8	9.4	10.5	11.1	15.2	19.4	30.(
57	-35.2	7.0	7.0	7.6	8.2	8.2	8.8	10.0	10.6	11.2	14.1	18.9	28.4
58	-31.3	7.0	7.0	7.6	7.6	8.2	8.8	9.4	10.7	11.9	14.9	18.6	32.(
59	-31.3	7.0	7.6	7.6	8.1	8.7	9.3	9.9	11.6	12.2	15.0	19.6	28.5
60	-23.1	7.0	8.2	8.2	8.8	9.4	9.4	10.6	10.6	11.2	14.2	18.4	22.(
61	-23.1	7.0	7.6	8.1	8.1	8.7	9.3	10.4	11.0	12.2	15.6	19.6	29.4
62	-22.8	7.0	7.6	7.6	8.2	8.2	8.2	9.3	9.9	11.1	13.4	16.3	23.4
63	-22.8	7.0	7.0	7.6	7.6	8.2	8.2	9.3	10.5	11.6	15.7	19.7	29.(
64	-22.4	7.0	7.6	7.0	7.6	7.6	8.8	9.3	9.9	10.5	13.4	16.9	23.4
65	-22.4	—	—	—	—	—	—	—	—	—	—	—	—
66	-28.0	7.0	7.6	8.1	8.1	8.7	9.3	9.9	11.0	11.6	14.5	18.5	27.1
66A	-28.0	7.0	7.6	7.6	8.1	8.1	8.7	9.9	10.4	12.2	14.5	17.9	29.4
67	-28.0	7.0	7.6	7.6	8.2	8.2	8.8	9.3	10.5	11.7	14.6	18.1	28.(
68	-28.0	7.0	7.6	7.6	7.6	8.2	8.7	9.9	11.1	11.6	14.5	19.2	29.(
69	-28.0	7.0	7.0	7.0	7.6	8.2	8.7	9.3	10.5	11.6	14.5	19.2	30.2
70	-28.0	7.0	7.0	7.6	8.2	8.2	9.3	9.9	11.1	12.8	15.1	19.7	31.3
71	-28.0	7.0	7.6	7.6	8.1	8.7	9.3	10.4	10.4	12.2	15.6	19.6	32.3

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.8	8.8	9.4	10.6	11.8	12.9	17.1	22.4	35.5	41.5	49.8	55.1	59.3	63.4	67.0	70.0	72.3
.3	9.9	10.4	11.6	13.3	14.5	19.1	24.2	38.0	45.5	51.8	56.4	61.6	65.0	67.9	70.8	73.1
.1	8.7	9.3	11.0	12.2	13.9	17.3	22.5	36.9	43.8	50.7	55.8	61.0	64.4	67.3	70.2	72.5
.6	8.2	8.2	9.4	9.9	10.5	12.3	14.7	20.5	28.8	38.8	45.3	52.4	57.7	63.0	67.1	70.6
.6	8.2	8.2	9.3	9.3	9.9	11.6	14.5	18.0	29.6	36.0	43.5	52.2	58.0	62.0	67.2	70.7
.8	8.8	9.4	9.9	10.5	10.5	12.3	20.5	25.8	22.9	44.1	50.0	53.5	61.2	65.3	67.7	72.4
.2	8.7	8.7	9.9	11.1	11.6	12.8	20.9	23.2	25.5	48.1	44.1	52.8	59.1	63.8	67.2	73.0
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.6	8.2	8.7	9.3	10.5	12.2	15.7	19.7	27.3	33.6	45.8	51.0	56.2	59.7	67.2	69.0	71.9
.6	8.2	8.8	9.4	10.5	11.1	15.2	19.4	30.6	38.2	44.1	50.6	56.5	61.8	65.3	69.4	71.8
.2	8.2	8.8	10.0	10.6	11.2	14.1	18.9	28.4	36.1	43.2	49.8	56.3	61.6	65.2	68.8	71.7
.6	8.2	8.8	9.4	10.7	11.9	14.9	18.6	32.0	39.3	47.2	53.3	58.2	61.9	66.1	69.8	72.2
.1	8.7	9.3	9.9	11.6	12.2	15.0	19.6	28.8	38.6	44.3	50.1	56.4	62.1	66.2	69.0	71.9
.8	9.4	9.4	10.6	10.6	11.2	14.2	18.4	22.0	31.0	39.4	45.3	51.9	57.3	60.3	63.9	65.7
.1	8.7	9.3	10.4	11.0	12.2	15.6	19.6	29.4	39.7	45.5	51.2	56.4	62.7	66.2	69.6	72.5
.2	8.2	8.2	9.3	9.9	11.1	13.4	16.3	23.4	33.9	41.5	47.9	54.9	61.3	64.8	68.3	71.2
.6	8.2	8.2	9.3	10.5	11.6	15.7	19.7	29.0	39.4	45.2	51.0	56.8	62.6	66.1	69.0	72.4
.6	7.6	8.8	9.3	9.9	10.5	13.4	16.9	23.4	34.4	40.9	47.9	54.9	60.7	64.8	68.9	71.8
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.1	8.7	9.3	9.9	11.0	11.6	14.5	18.5	27.1	36.3	43.8	49.5	55.2	61.6	65.6	69.0	71.9
.1	8.1	8.7	9.9	10.4	12.2	14.5	17.9	29.4	37.4	44.9	51.2	56.4	61.0	65.6	69.6	72.5
.2	8.2	8.8	9.3	10.5	11.7	14.6	18.1	28.0	36.8	44.4	50.2	56.6	61.3	65.4	68.9	71.2
.6	8.2	8.7	9.9	11.1	11.6	14.5	19.2	29.0	37.7	45.2	51.0	56.8	61.4	65.5	69.6	71.9
.6	8.2	8.7	9.3	10.5	11.6	14.5	19.2	30.2	38.3	45.2	51.0	57.4	62.0	65.5	69.0	71.9
.2	8.2	9.3	9.9	11.1	12.8	15.1	19.7	31.3	39.4	45.8	51.6	57.4	62.6	66.1	69.6	72.4
.1	8.7	9.3	10.4	10.4	12.2	15.6	19.6	32.3	39.2	46.6	52.4	57.5	62.7	66.2	69.6	72.5

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
41.5	49.8	55.1	59.3	63.4	67.0	70.0	72.3	74.7	75.3	77.1	77.7	76.5
45.5	51.8	56.4	61.6	65.0	67.9	70.8	73.1	74.2	75.9	76.5	76.5	76.5
43.8	50.7	55.8	61.0	64.4	67.3	70.2	72.5	74.2	75.9	76.5	77.1	76.5
28.8	38.8	45.3	52.4	57.7	63.0	67.1	70.6	73.6	75.3	76.5	77.1	76.5
29.6	36.0	43.5	52.2	58.0	62.0	67.2	70.7	73.6	75.3	76.5	77.1	76.5
22.9	44.1	50.0	53.5	61.2	65.3	67.7	72.4	73.6	75.9	77.1	77.1	76.5
25.5	48.1	44.1	52.8	59.1	63.8	67.2	73.0	73.6	75.9	77.1	77.1	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
33.6	45.8	51.0	56.2	59.7	67.2	69.0	71.9	74.8	76.5	77.1	77.7	76.5
38.2	44.1	50.6	56.5	61.8	65.3	69.4	71.8	73.6	75.3	75.9	77.1	76.5
36.1	43.2	49.8	56.3	61.6	65.2	68.8	71.7	74.1	75.9	76.5	77.1	76.5
39.3	47.2	53.3	58.2	61.9	66.1	69.8	72.2	74.7	75.9	77.1	77.7	76.5
38.6	44.3	50.1	56.4	62.1	66.2	69.0	71.9	74.2	75.9	76.5	77.6	76.5
31.0	39.4	45.3	51.9	57.3	60.3	63.9	65.7	67.5	68.7	68.7	69.3	76.5
39.7	45.5	51.2	56.4	62.7	66.2	69.6	72.5	74.2	75.9	77.1	77.6	76.5
33.9	41.5	47.9	54.9	61.3	64.8	68.3	71.2	74.2	75.9	77.1	77.7	76.5
39.4	45.2	51.0	56.8	62.6	66.1	69.0	72.4	74.2	75.9	76.5	77.7	76.5
34.4	40.9	47.9	54.9	60.7	64.8	68.9	71.8	74.2	75.9	76.5	77.7	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
36.3	43.8	49.5	55.2	61.6	65.6	69.0	71.9	74.2	75.9	77.1	77.6	76.5
37.4	44.9	51.2	56.4	61.0	65.6	69.6	72.5	74.2	75.9	76.5	77.1	76.5
36.8	44.4	50.2	56.6	61.3	65.4	68.9	71.2	74.2	75.3	76.5	77.1	76.5
37.7	45.2	51.0	56.8	61.4	65.5	69.6	71.9	74.2	75.9	77.1	77.7	76.5
38.3	45.2	51.0	57.4	62.0	65.5	69.0	71.9	74.2	75.9	76.5	77.1	76.5
39.4	45.8	51.6	57.4	62.6	66.1	69.6	72.4	74.8	76.5	77.1	77.1	76.5
39.2	46.6	52.4	57.5	62.7	66.2	69.6	72.5	74.8	75.9	77.1	77.6	76.5

Table A5 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
71A	-28.0	7.0	7.6	7.6	7.6	8.7	9.3	9.9	11.0	12.7	15.6	20.8	3
72	-28.0	7.0	7.6	7.6	7.6	8.7	8.7	9.9	11.0	11.6	15.0	20.2	2
73	-23.5	7.0	8.1	8.1	8.7	8.7	9.3	9.9	10.4	11.0	13.3	18.5	2
74	-23.5	7.0	7.0	7.0	7.0	7.6	8.2	9.3	9.9	10.5	13.4	17.4	2
75	-22.8	7.0	7.0	7.0	7.6	8.1	8.7	9.3	10.4	11.0	14.5	18.5	2
76	-28.0	7.0	7.6	7.6	8.1	8.1	8.7	8.7	10.4	11.6	13.9	17.3	2
76A	-28.0	7.0	7.6	7.6	8.1	8.7	8.7	9.9	10.4	11.6	13.9	17.3	2
77	-28.0	7.0	7.6	7.6	7.6	8.7	9.3	10.4	10.4	11.6	14.5	18.5	2
78	-28.0	7.0	8.1	8.1	8.7	8.7	9.3	9.8	11.6	12.1	15.5	19.5	3
79	-28.0	7.0	7.0	7.0	7.6	7.6	8.2	9.9	10.5	12.2	14.5	18.6	3
80	-28.0	7.0	7.0	7.0	7.6	7.6	8.7	9.9	10.5	11.1	14.5	19.2	3
81	-28.0	7.0	7.0	7.0	8.2	8.2	8.8	9.4	11.2	11.8	15.5	19.7	3
81A	-28.0	7.0	7.0	7.6	8.2	8.7	9.3	9.9	11.1	12.8	15.7	20.9	3
82	-22.8	7.0	7.6	7.6	8.1	8.1	8.7	9.9	10.4	11.6	13.9	17.3	2
83	-22.8	7.0	7.6	7.6	8.2	8.8	9.3	10.5	11.1	12.3	15.2	18.1	2
84	-22.8	7.0	7.6	7.6	8.2	8.2	8.7	9.9	10.5	11.6	14.0	17.4	2
85	-22.8	7.0	7.6	7.6	8.1	8.7	9.3	10.4	11.6	12.7	16.1	20.1	3
86	-25.5	—	—	—	—	—	—	—	—	—	—	—	—
87	-48.0	7.0	8.1	7.6	8.1	8.1	8.7	9.9	10.4	11.0	12.7	14.5	2
88	-36.0	7.0	7.6	7.0	8.1	8.1	8.7	9.3	9.9	10.4	12.2	14.5	1
89	-48.0	7.0	7.6	7.6	8.2	8.2	9.4	9.4	9.9	10.5	12.3	15.2	2
90	-48.0	7.0	7.6	7.6	8.2	8.7	9.3	9.9	9.9	11.1	12.8	14.5	2
91	-48.0	7.0	8.1	8.1	8.7	8.7	9.3	9.8	10.4	11.0	13.2	14.9	2
92	-36.0	7.0	8.1	7.6	8.1	8.7	8.7	9.3	10.4	11.0	12.7	15.5	2
93	-36.0	7.0	8.2	8.2	8.2	8.8	8.8	9.9	10.5	11.7	12.8	15.2	21
94	-36.0	7.0	7.6	7.6	7.6	8.7	8.7	9.3	9.8	10.4	12.1	13.8	1

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
7.6	8.7	9.3	9.9	11.0	12.7	15.6	20.8	33.4	41.5	47.8	54.1	59.3	62.7	66.7	70.2	72.5
7.6	8.7	8.7	9.9	11.0	11.6	15.0	20.2	28.8	36.9	44.9	50.7	57.0	61.0	66.2	69.0	71.9
8.7	8.7	9.3	9.9	10.4	11.0	13.3	18.5	23.7	32.3	41.5	48.4	54.7	59.8	64.4	68.5	71.9
7.0	7.6	8.2	9.3	9.9	10.5	13.4	17.4	25.0	33.6	42.3	48.7	55.1	59.7	64.9	69.0	71.9
7.6	8.1	8.7	9.3	10.4	11.0	14.5	18.5	27.1	35.7	43.8	50.1	55.8	60.4	65.0	69.0	71.3
8.1	8.1	8.7	8.7	10.4	11.6	13.9	17.3	26.0	35.1	42.6	49.5	54.7	59.8	65.0	68.5	71.9
8.1	8.7	8.7	9.9	10.4	11.6	13.9	17.3	27.1	35.7	43.2	50.1	55.8	60.4	65.0	69.0	71.9
7.6	8.7	9.3	10.4	10.4	11.6	14.5	18.5	27.7	36.3	43.8	50.1	56.4	61.0	65.0	68.5	71.9
8.7	8.7	9.3	9.8	11.6	12.1	15.5	19.5	30.4	37.8	45.2	51.4	57.1	61.7	65.7	69.7	72.5
7.6	7.6	8.2	9.9	10.5	12.2	14.5	18.6	30.7	38.3	45.8	51.6	56.8	62.0	66.7	69.0	71.9
7.6	7.6	8.7	9.9	10.5	11.1	14.5	19.2	31.3	38.9	45.8	52.2	57.4	62.0	66.1	69.6	71.9
8.2	8.2	8.8	9.4	11.2	11.8	15.5	19.7	31.8	39.6	46.9	52.9	58.4	63.2	66.8	69.2	72.3
8.2	8.7	9.3	9.9	11.1	12.8	15.7	20.9	34.2	41.8	48.1	54.5	59.1	63.2	67.2	70.1	73.0
8.1	8.1	8.7	9.9	10.4	11.6	13.9	17.3	26.0	35.1	42.0	49.5	56.4	61.0	65.0	68.5	71.3
8.2	8.8	9.3	10.5	11.1	12.3	15.2	18.1	29.2	38.0	44.4	51.4	57.2	61.9	65.4	68.9	71.8
8.2	8.2	8.7	9.9	10.5	11.6	14.0	17.4	26.1	36.0	42.3	49.3	55.7	60.9	64.3	69.0	71.3
8.1	8.7	9.3	10.4	11.6	12.7	16.1	20.1	31.5	42.3	46.9	53.7	58.8	63.4	66.2	70.2	72.5
-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.1	8.1	8.7	9.9	10.4	11.0	12.7	14.5	20.2	28.8	37.4	44.9	51.8	57.5	62.1	67.3	70.2
8.1	8.1	8.7	9.3	9.9	10.4	12.2	14.5	19.6	28.8	37.4	45.5	52.4	58.1	63.8	67.3	71.3
8.2	8.2	9.4	9.4	9.9	10.5	12.3	15.2	20.5	29.4	37.6	45.9	52.4	58.2	63.5	67.7	70.6
8.2	8.7	9.3	9.9	9.9	11.1	12.8	14.5	20.3	29.0	37.7	45.8	52.2	58.0	63.2	67.2	70.7
8.7	8.7	9.3	9.8	10.4	11.0	13.2	14.9	20.6	29.0	38.1	46.0	52.8	58.4	63.5	68.0	71.4
8.1	8.7	8.7	9.3	10.4	11.0	12.7	15.5	20.6	29.0	38.1	45.4	51.6	57.9	62.9	67.5	70.8
8.2	8.8	8.8	9.9	10.5	11.7	12.8	15.2	21.0	29.8	38.5	45.5	52.6	58.4	63.7	68.3	71.8
7.6	8.7	8.7	9.3	9.8	10.4	12.1	13.8	19.5	28.1	36.6	44.6	51.4	57.7	62.8	66.8	70.2

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
41.5	47.8	54.1	59.3	62.7	66.7	70.2	72.5	74.8	75.9	76.5	77.1	76.5
36.9	44.9	50.7	57.0	61.0	66.2	69.0	71.9	74.2	75.9	77.1	77.1	76.5
32.3	41.5	48.4	54.7	59.8	64.4	68.5	71.9	74.2	75.4	76.5	76.5	76.5
33.6	42.3	48.7	55.1	59.7	64.9	69.0	71.9	74.2	75.3	77.1	77.1	76.5
35.7	43.8	50.1	55.8	60.4	65.0	69.0	71.3	74.2	75.4	77.1	77.1	76.5
35.1	42.6	49.5	54.7	59.8	65.0	68.5	71.9	74.2	75.9	76.5	77.1	76.5
35.7	43.2	50.1	55.8	60.4	65.0	69.0	71.9	74.2	75.4	76.5	77.1	76.5
36.3	43.8	50.1	56.4	61.0	65.0	68.5	71.9	74.2	75.9	76.5	77.1	76.5
37.8	45.2	51.4	57.1	61.7	65.7	69.7	72.5	74.2	76.5	77.1	77.6	76.5
38.3	45.8	51.6	56.8	62.0	66.7	69.0	71.9	74.2	75.9	76.5	77.7	76.5
38.9	45.8	52.2	57.4	62.0	66.1	69.6	71.9	74.2	75.3	77.1	77.7	76.5
39.6	46.9	52.9	58.4	63.2	66.8	69.2	72.3	74.1	75.9	76.5	77.1	76.5
41.8	48.1	54.5	59.1	63.2	67.2	70.1	73.0	75.3	76.5	77.1	77.7	76.5
35.1	42.0	49.5	56.4	61.0	65.0	68.5	71.3	73.6	75.4	76.5	76.5	76.5
38.0	44.4	51.4	57.2	61.9	65.4	68.9	71.8	74.2	75.3	76.5	76.5	76.5
36.0	42.3	49.3	55.7	60.9	64.3	69.0	71.3	74.2	75.3	76.5	77.1	76.5
42.3	46.9	53.7	58.8	63.4	66.2	70.2	72.5	74.8	76.5	77.1	77.6	76.5
—	—	—	—	—	—	—	—	—	—	—	—	—
28.8	37.4	44.9	51.8	57.5	62.1	67.3	70.2	73.1	74.2	75.9	76.5	76.5
28.8	37.4	45.5	52.4	58.1	63.8	67.3	71.3	73.6	75.4	76.5	77.1	76.5
29.4	37.6	45.9	52.4	58.2	63.5	67.7	70.6	73.6	75.3	76.5	77.1	76.5
29.0	37.7	45.8	52.2	58.0	63.2	67.2	70.7	73.0	75.3	76.5	77.1	76.5
29.0	38.1	46.0	52.8	58.4	63.5	68.0	71.4	73.7	75.9	77.1	77.6	76.5
29.0	38.1	45.4	51.6	57.9	62.9	67.5	70.8	73.7	75.4	77.1	77.1	75.4
29.8	38.5	45.5	52.6	58.4	63.7	68.3	71.8	74.2	75.9	77.1	77.7	76.5
28.1	36.6	44.6	51.4	57.7	62.8	66.8	70.2	73.1	75.4	77.1	77.1	76.5

Table A5 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
95	-48.0	7.0	8.1	8.1	8.1	8.7	9.8	10.4	11.5	13.2	16.0	20.6	33.6
96	-48.0	7.0	7.0	7.6	8.1	8.7	8.7	9.9	10.4	12.2	15.0	19.6	31.7
97	-48.0	7.0	7.6	7.6	7.6	8.7	8.7	9.3	10.5	11.6	14.0	16.8	25.0
98	-31.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	8.9	12.6
99	-42.0	7.0	7.6	7.6	7.6	8.1	8.7	8.7	9.3	10.4	11.6	13.3	18.4
100	-27.8	7.0	7.6	8.2	8.2	8.8	8.8	9.3	9.9	10.5	11.7	14.6	21.0
101	-49.5	7.0	7.0	7.6	8.1	8.1	8.7	9.3	10.4	11.6	13.3	17.3	26.4
102	-21.6	7.0	7.6	7.6	7.6	8.1	8.7	9.3	9.8	11.0	13.2	16.6	24.5
103	-41.6	7.0	7.0	7.6	8.1	8.1	8.7	9.9	9.9	11.0	13.3	16.2	23.7
104	-17.5	7.0	7.6	8.1	8.7	8.7	9.3	10.4	11.5	12.7	14.9	18.3	27.9
105	-35.2	7.0	7.6	7.6	8.1	8.7	8.7	9.3	9.8	11.6	13.8	16.7	24.1
106	-31.3	7.0	7.6	7.6	7.6	8.1	9.3	9.8	10.4	11.6	15.0	19.5	30.4
107	-31.3	7.0	7.0	7.6	8.2	8.2	8.2	9.3	10.5	11.6	14.5	18.6	29.0
108	-23.1	7.0	7.6	7.6	7.6	8.1	8.1	9.3	9.8	11.0	13.3	16.7	24.7
109	-23.1	7.0	7.0	7.6	7.6	8.2	8.2	9.3	10.5	11.6	15.1	19.2	30.2
110	-22.8	7.0	7.6	7.6	8.2	8.2	8.8	9.3	9.9	11.7	14.0	16.9	26.3
111	-22.8	7.0	7.0	7.0	7.6	7.6	8.1	8.7	9.8	11.0	14.4	18.4	29.8
112	-22.4	7.0	7.6	7.6	7.6	8.2	8.2	9.3	9.9	10.5	12.8	16.3	25.5
113	-22.4	7.0	7.0	7.6	7.6	8.1	8.7	9.8	10.4	12.1	15.0	19.0	30.4
114	-28.0	7.0	7.0	7.0	7.6	7.6	8.1	9.3	9.9	9.9	13.3	16.2	24.8
114A	-23.0	7.0	7.0	7.0	7.6	8.2	8.2	9.4	10.0	11.2	13.6	16.6	26.2
115	-28.0	7.0	7.6	7.6	8.7	8.7	9.3	9.3	10.4	11.6	14.4	17.8	27.5
116	-28.0	7.0	7.0	7.0	7.0	8.1	8.7	8.7	9.9	11.6	13.3	17.3	27.7
117	-28.0	7.0	7.0	7.0	7.6	8.1	9.3	9.8	10.4	11.0	14.3	18.3	29.0
118	-28.0	7.0	7.0	7.6	7.6	7.6	8.1	9.3	10.4	11.0	14.4	18.4	30.4
119	-28.0	7.0	7.6	7.6	7.6	8.1	8.7	9.9	10.4	12.2	14.5	19.1	31.1

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
8.1	8.7	9.8	10.4	11.5	13.2	16.0	20.6	33.6	40.9	47.1	52.8	58.4	62.9	66.9	70.3	72.0
8.1	8.7	8.7	9.9	10.4	12.2	15.0	19.6	31.7	38.6	46.1	52.4	57.5	62.7	66.7	69.6	72.5
7.6	8.7	8.7	9.3	10.5	11.6	14.0	16.8	25.0	32.5	40.6	47.5	53.9	59.7	63.8	67.8	70.7
7.0	7.0	7.0	7.0	7.0	7.0	7.6	8.9	12.6	18.8	28.1	36.8	44.9	52.3	58.5	64.7	68.4
7.6	8.1	8.7	8.7	9.3	10.4	11.6	13.3	18.4	26.4	34.9	43.5	50.3	56.6	62.3	66.8	70.2
8.2	8.8	8.8	9.3	9.9	10.5	11.7	14.6	21.0	26.9	37.4	45.0	51.4	57.2	62.5	67.7	70.7
8.1	8.1	8.7	9.3	10.4	11.6	13.3	17.3	26.4	33.2	41.2	48.6	54.3	60.5	64.5	68.5	71.4
7.6	8.1	8.7	9.3	9.8	11.0	13.2	16.6	24.5	33.0	39.2	48.8	53.9	59.5	64.6	67.5	70.8
8.1	8.1	8.7	9.9	9.9	11.0	13.3	16.2	23.7	30.0	38.6	47.2	53.0	58.7	63.3	67.3	70.8
8.7	8.7	9.3	10.4	11.5	12.7	14.9	18.3	27.9	36.9	44.3	49.9	56.2	61.2	65.2	68.6	72.0
8.1	8.7	8.7	9.3	9.8	11.6	13.8	16.7	24.1	32.6	40.0	48.0	54.9	59.4	64.5	68.0	71.4
7.6	8.1	9.3	9.8	10.4	11.6	15.0	19.5	30.4	38.9	45.7	52.0	57.1	62.3	66.2	69.7	72.5
8.2	8.2	8.2	9.3	10.5	11.6	14.5	18.6	29.0	36.5	44.6	50.4	56.8	61.4	66.1	69.6	72.4
7.6	8.1	8.1	9.3	9.8	11.0	13.3	16.7	24.7	33.2	41.2	48.0	54.3	59.4	64.5	68.0	71.4
7.6	8.2	8.2	9.3	10.5	11.6	15.1	19.2	30.2	37.7	45.2	51.0	57.4	62.0	66.1	69.0	72.4
8.2	8.2	8.8	9.3	9.9	11.7	14.0	16.9	26.3	34.4	42.6	49.1	55.5	60.7	64.8	68.9	71.8
7.6	7.6	8.1	8.7	9.8	11.0	14.4	18.4	29.8	38.3	44.6	51.4	56.6	61.7	65.7	69.1	71.9
7.6	8.2	8.2	9.3	9.9	10.5	12.8	16.3	25.5	33.6	41.8	48.1	55.1	60.3	64.3	68.4	71.9
7.6	8.1	8.7	9.8	10.4	12.1	15.0	19.0	30.4	38.3	44.6	51.4	57.1	61.7	66.2	69.7	72.5
7.6	7.6	8.1	9.3	9.9	9.9	13.3	16.2	24.8	33.4	42.0	48.4	54.7	59.8	65.0	69.0	71.9
7.6	8.2	8.2	9.4	10.0	11.2	13.6	16.6	26.2	34.6	41.8	48.9	54.9	59.7	64.5	68.7	71.7
8.7	8.7	9.3	9.3	10.4	11.6	14.4	17.8	27.5	36.1	42.9	49.7	56.0	61.1	65.1	69.1	71.9
7.0	8.1	8.7	8.7	9.9	11.6	13.3	17.3	27.7	35.7	43.2	49.5	55.8	61.0	65.0	69.6	71.3
7.6	8.1	9.3	9.8	10.4	11.0	14.3	18.3	29.0	37.5	44.3	50.5	56.2	60.7	65.2	68.6	72.0
7.6	7.6	8.1	9.3	10.4	11.0	14.4	18.4	30.4	37.8	45.2	50.9	56.6	61.7	65.7	69.1	71.9
7.6	8.1	8.7	9.9	10.4	12.2	14.5	19.1	31.1	38.6	46.1	51.8	58.1	62.7	66.7	69.6	73.1

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
40.9	47.1	52.8	58.4	62.9	66.9	70.3	72.0	74.8	75.9	77.1	77.6	76.5
38.6	46.1	52.4	57.5	62.7	66.7	69.6	72.5	74.8	75.9	77.1	77.6	76.5
32.5	40.6	47.5	53.9	59.7	63.8	67.8	70.7	73.6	75.3	76.5	77.1	76.5
18.8	28.1	36.8	44.9	52.3	58.5	64.7	68.4	72.2	74.6	75.9	77.7	76.5
26.4	34.9	43.5	50.3	56.6	62.3	66.8	70.2	73.1	75.4	76.5	77.6	76.5
26.9	37.4	45.0	51.4	57.2	62.5	67.7	70.7	73.0	75.3	76.5	77.1	76.5
33.2	41.2	48.6	54.3	60.5	64.5	68.5	71.4	73.7	75.9	77.1	77.6	76.5
33.0	39.2	48.8	53.9	59.5	64.6	67.5	70.8	73.1	74.8	75.9	76.5	76.5
30.0	38.6	47.2	53.0	58.7	63.3	67.3	70.8	73.6	75.9	76.5	77.6	76.5
36.9	44.3	49.9	56.2	61.2	65.2	68.6	72.0	73.7	75.4	76.5	77.1	76.5
32.6	40.0	48.0	54.9	59.4	64.5	68.0	71.4	73.7	75.4	77.1	77.6	76.5
38.9	45.7	52.0	57.1	62.3	66.2	69.7	72.5	74.8	76.5	77.6	77.6	76.5
36.5	44.6	50.4	56.8	61.4	66.1	69.6	72.4	74.2	75.9	77.1	77.7	76.5
33.2	41.2	48.0	54.3	59.4	64.5	68.0	71.4	73.7	75.4	76.5	77.1	76.5
37.7	45.2	51.0	57.4	62.0	66.1	69.0	72.4	74.8	75.9	77.1	77.7	76.5
34.4	42.6	49.1	55.5	60.7	64.8	68.9	71.8	74.2	75.9	77.1	77.7	76.5
38.3	44.6	51.4	56.6	61.7	65.7	69.1	71.9	73.7	75.4	76.5	77.6	76.5
33.6	41.8	48.1	55.1	60.3	64.3	68.4	71.9	74.2	76.5	77.1	78.2	76.5
38.3	44.6	51.4	57.1	61.7	66.2	69.7	72.5	74.2	75.9	77.1	77.6	76.5
33.4	42.0	48.4	54.7	59.8	65.0	69.0	71.9	74.2	75.9	77.6	77.6	76.5
34.6	41.8	48.9	54.9	59.7	64.5	68.7	71.7	74.1	75.9	76.5	77.7	76.5
36.1	42.9	49.7	56.0	61.1	65.1	69.1	71.9	74.8	76.5	77.1	77.6	76.5
35.7	43.2	49.5	55.8	61.0	65.0	69.6	71.3	74.2	75.9	77.1	77.6	76.5
37.5	44.3	50.5	56.2	60.7	65.2	68.6	72.0	74.2	75.4	77.1	77.1	76.5
37.8	45.2	50.9	56.6	61.7	65.7	69.1	71.9	74.2	75.9	76.5	77.6	76.5
38.6	46.1	51.8	58.1	62.7	66.7	69.6	73.1	75.4	76.5	77.1	78.2	76.5

Table A5 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
119A	-28.0	7.0	6.3	6.3	5.6	5.6	6.3	5.6	5.6	5.6	6.3	8.4	23.
120	-23.5	7.0	7.6	8.3	8.3	8.9	8.9	10.2	10.9	12.8	16.0	19.9	30.
121	-23.5	7.0	7.6	8.1	8.1	8.1	8.7	9.9	10.4	11.6	14.5	18.5	29.
122	-22.8	7.0	7.6	7.6	7.6	8.2	8.7	9.3	9.9	11.1	13.4	17.4	27.
123	-22.8	7.0	7.6	8.1	8.1	8.1	8.7	9.3	9.8	11.0	13.3	16.7	24.
124	-28.0	7.0	7.0	7.0	7.6	7.6	8.1	8.7	9.3	10.4	12.7	16.2	25.
124A	-28.0	7.0	7.6	7.6	8.1	8.7	8.7	9.3	10.4	11.0	13.3	16.8	26.
125	-28.0	7.0	7.0	7.6	8.2	8.2	8.7	8.7	9.9	11.1	13.4	17.4	27.
126	-28.0	7.0	7.0	7.0	7.6	8.1	8.7	9.3	9.9	11.0	13.3	16.8	27.
127	-28.0	7.0	7.6	7.6	7.6	8.1	8.7	9.9	10.4	11.6	14.5	18.5	29.
128	-28.0	7.0	7.0	7.0	7.6	7.6	8.2	8.7	9.9	10.5	13.4	18.0	29.
129	-28.0	7.0	7.0	7.0	7.6	7.6	8.1	9.3	10.4	11.0	14.5	18.5	30.
129A	-28.0	7.0	7.0	7.6	8.1	8.1	8.7	9.3	10.4	11.6	15.0	19.6	32.
130	-22.8	7.0	8.2	8.2	8.2	8.8	8.8	9.9	10.5	11.7	12.9	15.8	25.
131	-22.8	7.0	7.0	7.6	7.6	8.2	8.7	9.9	9.9	11.6	14.5	17.4	27.
132	-22.8	7.0	7.6	8.1	8.7	8.7	9.3	10.4	11.0	12.1	16.0	20.6	32.
133	-22.8	7.0	7.6	7.6	7.6	8.2	8.7	9.3	9.9	11.1	13.4	16.8	25.
134	-48.0	7.0	7.6	7.6	7.6	8.1	7.6	7.6	7.6	7.6	6.4	5.3	1.
135	-48.0	7.0	7.0	7.6	7.6	7.6	8.7	9.3	9.9	10.5	12.8	15.7	23.
136	-48.0	7.0	7.6	8.2	8.2	8.8	9.4	10.5	11.1	12.9	16.4	21.1	33.
137	-36.0	7.0	7.6	8.2	8.2	8.8	9.3	10.5	11.7	12.8	16.3	21.0	32.
138	-36.0	7.0	8.1	8.1	8.1	8.7	9.3	11.0	12.2	13.3	16.8	21.9	35.
139	-48.0	7.0	7.6	8.1	7.6	8.7	9.3	10.4	11.6	13.3	17.3	23.0	36.
140	-47.0	7.0	7.7	7.7	8.3	9.0	9.7	10.3	12.3	13.7	18.4	24.4	38.
141	-51.0	7.0	8.2	8.2	8.2	8.8	9.4	10.6	11.2	12.9	17.1	22.4	36.
142	-45.0	7.0	8.1	8.1	8.7	8.7	10.4	11.0	12.1	13.8	17.3	23.0	36.

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
5.6	5.6	6.3	5.6	5.6	5.6	6.3	8.4	23.3	34.7	41.8	48.8	54.5	59.5	64.4	68.0	71.5
8.3	8.9	8.9	10.2	10.9	12.8	16.0	19.9	30.8	38.5	46.3	54.0	60.4	67.5	68.1	68.1	68.1
8.1	8.1	8.7	9.9	10.4	11.6	14.5	18.5	29.4	36.9	43.8	50.1	55.8	61.0	65.6	68.5	71.9
7.6	8.2	8.7	9.3	9.9	11.1	13.4	17.4	27.3	34.8	42.9	49.9	55.7	60.9	65.5	69.0	71.9
8.1	8.1	8.7	9.3	9.8	11.0	13.3	16.7	24.7	33.2	41.2	48.0	53.7	59.4	64.5	68.0	71.4
7.6	7.6	8.1	8.7	9.3	10.4	12.7	16.2	25.4	34.0	42.0	48.9	54.7	60.4	64.4	69.0	71.9
8.1	8.7	8.7	9.3	10.4	11.0	13.3	16.8	26.0	35.1	42.6	49.5	55.2	60.4	65.0	68.5	71.3
8.2	8.2	8.7	8.7	9.9	11.1	13.4	17.4	27.3	35.4	42.3	49.3	55.7	60.3	64.9	68.4	71.9
7.6	8.1	8.7	9.3	9.9	11.0	13.3	16.8	27.7	35.7	43.2	49.5	55.2	61.0	65.0	69.0	71.9
7.6	8.1	8.7	9.9	10.4	11.6	14.5	18.5	29.4	38.0	44.9	51.2	56.4	61.6	65.6	69.6	71.9
7.6	7.6	8.2	8.7	9.9	10.5	13.4	18.0	29.6	37.7	45.2	50.4	56.8	61.4	65.5	69.0	71.9
7.6	7.6	8.1	9.3	10.4	11.0	14.5	18.5	30.5	38.6	46.1	51.8	57.0	62.1	66.2	69.6	71.9
8.1	8.1	8.7	9.3	10.4	11.6	15.0	19.6	32.3	40.9	47.2	53.0	58.1	62.1	66.7	69.6	71.9
8.2	8.8	8.8	9.9	10.5	11.7	12.9	15.8	25.3	33.5	41.2	47.6	54.1	59.4	64.7	67.7	71.2
7.6	8.2	8.7	9.9	9.9	11.6	14.5	17.4	27.9	36.0	42.3	49.3	55.7	60.3	65.5	68.4	71.3
8.7	8.7	9.3	10.4	11.0	12.1	16.0	20.6	32.4	40.3	47.1	53.3	57.9	62.9	66.3	69.7	72.5
7.6	8.2	8.7	9.3	9.9	11.1	13.4	16.8	25.5	33.6	41.8	48.7	54.5	59.7	64.9	67.8	71.3
7.6	8.1	7.6	7.6	7.6	7.6	6.4	5.3	1.8	11.6	23.7	33.4	43.2	51.2	58.1	63.9	68.5
7.6	7.6	8.7	9.3	9.9	10.5	12.8	15.7	23.8	32.5	41.2	48.1	54.5	59.7	64.3	68.4	71.3
8.2	8.8	9.4	10.5	11.1	12.9	16.4	21.1	33.5	40.6	47.1	52.4	57.1	61.2	65.9	68.8	70.6
8.2	8.8	9.3	10.5	11.7	12.8	16.3	21.0	32.7	40.3	47.3	53.1	58.4	62.5	67.2	70.1	72.4
8.1	8.7	9.3	11.0	12.2	13.3	16.8	21.9	35.1	41.5	48.4	53.5	58.7	62.7	66.2	69.6	71.9
7.6	8.7	9.3	10.4	11.6	13.3	17.3	23.0	36.1	42.9	49.2	53.7	58.8	63.4	66.8	70.2	72.5
8.3	9.0	9.7	10.3	12.3	13.7	18.4	24.4	38.4	45.8	52.4	60.5	61.1	61.1	61.1	65.1	69.8
8.2	8.8	9.4	10.6	11.2	12.9	17.1	22.4	36.1	42.6	48.6	53.9	58.7	62.8	66.4	70.0	72.3
8.7	8.7	10.4	11.0	12.1	13.8	17.3	23.0	36.6	43.5	49.2	54.9	59.4	63.4	67.4	70.8	72.5

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
34.7	41.8	48.8	54.5	59.5	64.4	68.0	71.5	73.7	75.8	77.2	77.9	76.5
38.5	46.3	54.0	60.4	67.5	68.1	68.1	68.1	70.1	71.4	75.2	77.1	76.5
36.9	43.8	50.1	55.8	61.0	65.6	68.5	71.9	74.2	75.4	76.5	77.1	76.5
34.8	42.9	49.9	55.7	60.9	65.5	69.0	71.9	74.2	76.5	77.1	78.2	76.5
33.2	41.2	48.0	53.7	59.4	64.5	68.0	71.4	73.7	75.4	76.5	77.1	76.5
34.0	42.0	48.9	54.7	60.4	64.4	69.0	71.9	74.2	75.9	77.1	77.6	76.5
35.1	42.6	49.5	55.2	60.4	65.0	68.5	71.3	73.6	75.9	77.1	77.6	76.5
35.4	42.3	49.3	55.7	60.3	64.9	68.4	71.9	74.2	75.3	76.5	77.7	76.5
35.7	43.2	49.5	55.2	61.0	65.0	69.0	71.9	74.2	75.9	77.1	77.6	76.5
38.0	44.9	51.2	56.4	61.6	65.6	69.6	71.9	74.2	75.9	76.5	77.6	76.5
37.7	45.2	50.4	56.8	61.4	65.5	69.0	71.9	73.6	75.9	77.1	77.7	76.5
38.6	46.1	51.8	57.0	62.1	66.2	69.6	71.9	74.8	75.9	77.1	77.6	76.5
40.9	47.2	53.0	58.1	62.1	66.7	69.6	71.9	74.2	75.9	76.5	77.1	76.5
33.5	41.2	47.6	54.1	59.4	64.7	67.7	71.2	73.6	75.3	76.5	77.1	76.5
36.0	42.3	49.3	55.7	60.3	65.5	68.4	71.3	74.2	75.3	76.5	77.1	76.5
40.3	47.1	53.3	57.9	62.9	66.3	69.7	72.5	74.2	75.9	76.5	77.6	76.5
33.6	41.8	48.7	54.5	59.7	64.9	67.8	71.3	73.6	75.9	76.5	77.7	76.5
11.6	23.7	33.4	43.2	51.2	58.1	63.9	68.5	72.5	74.8	76.5	77.1	76.5
32.5	41.2	48.1	54.5	59.7	64.3	68.4	71.3	74.2	75.9	77.1	77.1	76.5
40.6	47.1	52.4	57.1	61.2	65.9	68.8	70.6	73.0	74.7	76.5	77.1	76.5
40.3	47.3	53.1	58.4	62.5	67.2	70.1	72.4	74.2	75.9	76.5	77.1	76.5
41.5	48.4	53.5	58.7	62.7	66.2	69.6	71.9	74.2	75.4	76.5	77.1	76.5
42.9	49.2	53.7	58.8	63.4	66.8	70.2	72.5	74.2	75.4	76.5	77.1	76.5
45.8	52.4	60.5	61.1	61.1	61.1	65.1	69.8	73.2	74.5	75.8	77.2	76.5
42.6	48.6	53.9	58.7	62.8	66.4	70.0	72.3	73.5	75.3	76.5	77.1	76.5
43.5	49.2	54.9	59.4	63.4	67.4	70.8	72.5	74.8	75.4	76.5	77.1	76.5

Table A5 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
143	-49.0	7.0	15.6	16.1	16.1	16.6	17.2	18.2	19.3	20.4	24.6	29.5	41
144	-31.0	7.0	7.6	8.2	8.2	8.8	9.4	10.6	11.8	13.0	16.6	22.6	34
144A	-31.0	7.0	7.6	8.2	8.2	8.8	10.0	10.6	11.8	12.9	17.1	22.4	36
145	-51.4	7.0	7.6	7.6	8.2	8.8	8.8	9.3	9.9	10.5	12.3	14.0	19
146	-49.0	7.0	7.6	8.1	8.1	9.3	9.9	10.4	11.0	12.7	16.8	22.5	35
147	-46.6	7.0	7.6	8.1	8.1	9.3	9.9	11.0	12.2	13.9	17.3	23.1	36
148	-45.0	7.0	7.6	8.1	8.1	9.3	9.9	11.0	12.2	13.9	17.9	23.1	36
149	-45.0	7.0	8.2	8.2	8.2	9.3	9.9	11.1	12.3	13.4	17.5	22.2	36
149A	-45.0	7.0	8.2	8.2	7.6	8.9	8.9	9.5	10.1	10.1	12.0	13.8	20
150	-45.0	7.0	7.6	8.2	8.2	9.4	9.9	10.5	11.7	12.9	17.0	22.3	36
151	-38.0	7.0	7.6	7.6	7.6	8.8	9.4	10.0	11.3	12.5	16.1	22.2	36
152	-38.0	7.0	7.6	8.1	8.7	8.7	9.3	11.0	12.2	13.3	17.3	22.5	36
153	-38.0	7.0	7.6	8.2	8.2	9.3	9.3	11.1	11.6	14.0	17.4	22.6	37
154	-38.0	7.0	8.2	8.2	7.6	8.8	9.4	10.0	11.2	12.4	16.1	21.5	36
155	-38.0	7.0	7.6	8.2	7.6	8.8	9.4	10.0	11.2	13.0	17.2	22.6	37
156	-38.0	7.0	7.6	8.1	8.1	9.3	9.3	11.0	12.2	13.9	17.3	23.1	36
157	-31.0	7.0	7.6	8.1	8.1	9.3	9.9	11.0	12.2	13.9	17.3	23.1	37
158	-31.0	7.0	7.6	8.2	8.7	9.3	9.9	11.1	12.2	13.4	17.4	23.2	37

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
1	16.6	17.2	18.2	19.3	20.4	24.6	29.5	41.8	47.6	54.6	56.2	59.9	63.7	67.4	69.6	72.2
2	8.8	9.4	10.6	11.8	13.0	16.6	22.6	34.6	41.8	47.7	53.7	59.1	62.7	66.3	69.3	72.3
2	8.8	10.0	10.6	11.8	12.9	17.1	22.4	36.1	43.2	49.8	55.1	59.9	64.0	67.6	71.2	72.9
2	8.8	8.8	9.3	9.9	10.5	12.3	14.0	19.3	28.6	37.4	45.5	52.0	57.8	63.1	67.7	71.2
1	9.3	9.9	10.4	11.0	12.7	16.8	22.5	35.7	42.6	48.9	54.1	59.3	63.3	66.7	69.6	72.5
1	9.3	9.9	11.0	12.2	13.9	17.3	23.1	36.9	43.8	50.1	55.2	59.8	64.4	67.9	70.8	73.1
1	9.3	9.9	11.0	12.2	13.9	17.9	23.1	36.9	43.8	50.1	54.7	59.8	63.9	67.3	70.2	73.1
2	9.3	9.9	11.1	12.3	13.4	17.5	22.2	36.8	43.8	49.1	54.9	59.6	64.2	67.7	70.1	72.4
6	8.9	8.9	9.5	10.1	10.1	12.0	13.8	20.0	28.1	37.4	45.5	52.3	57.9	63.5	67.8	71.5
2	9.4	9.9	10.5	11.7	12.9	17.0	22.3	36.4	43.5	49.4	54.7	59.4	64.1	67.7	70.6	73.0
6	8.8	9.4	10.0	11.3	12.5	16.1	22.2	36.3	43.6	49.7	54.6	60.0	64.3	68.0	71.0	72.8
7	8.7	9.3	11.0	12.2	13.3	17.3	22.5	36.9	43.8	49.5	55.2	59.3	63.3	67.3	69.6	72.5
2	9.3	9.3	11.1	11.6	14.0	17.4	22.6	37.1	44.1	49.9	55.7	60.3	64.3	67.8	70.7	73.0
6	8.8	9.4	10.0	11.2	12.4	16.1	21.5	36.0	43.3	49.9	55.3	60.2	63.8	68.0	70.5	73.5
6	8.8	9.4	10.0	11.2	13.0	17.2	22.6	37.0	43.5	49.5	55.5	60.3	64.5	67.5	71.1	73.5
1	9.3	9.3	11.0	12.2	13.9	17.3	23.1	36.9	43.8	49.5	55.2	59.3	64.4	67.3	70.2	72.5
1	9.3	9.9	11.0	12.2	13.9	17.3	23.1	37.4	43.8	50.1	55.2	59.3	63.9	67.9	70.8	72.5
7	9.3	9.9	11.1	12.2	13.4	17.4	23.2	37.7	44.1	49.9	55.7	59.7	64.3	67.8	70.1	73.0

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1200
47.6	54.6	56.2	59.9	63.7	67.4	69.6	72.2	73.8	74.9	76.5	77.0	76.5
41.8	47.7	53.7	59.1	62.7	66.3	69.3	72.3	74.7	75.9	76.5	77.1	76.5
43.2	49.8	55.1	59.9	64.0	67.6	71.2	72.9	74.7	76.5	77.1	77.7	76.5
28.6	37.4	45.5	52.0	57.8	63.1	67.7	71.2	73.6	75.9	77.1	77.7	76.5
42.6	48.9	54.1	59.3	63.3	66.7	69.6	72.5	74.8	75.9	76.5	77.1	76.5
43.8	50.1	55.2	59.8	64.4	67.9	70.8	73.1	75.4	76.5	77.6	77.6	76.5
43.8	50.1	54.7	59.8	63.9	67.3	70.2	73.1	74.8	75.9	77.1	77.6	76.5
43.8	49.1	54.9	59.6	64.2	67.7	70.1	72.4	74.7	76.5	77.1	77.1	76.5
28.1	37.4	45.5	52.3	57.9	63.5	67.8	71.5	74.0	75.9	77.1	77.7	76.5
43.5	49.4	54.7	59.4	64.1	67.7	70.6	73.0	74.7	75.9	77.1	77.1	76.5
43.6	49.7	54.6	60.0	64.3	68.0	71.0	72.8	74.7	76.5	76.5	77.1	76.5
43.8	49.5	55.2	59.3	63.3	67.3	69.6	72.5	74.2	75.9	76.5	76.5	76.5
44.1	49.9	55.7	60.3	64.3	67.8	70.7	73.0	75.3	76.5	77.1	77.7	76.5
43.3	49.9	55.3	60.2	63.8	68.0	70.5	73.5	75.3	76.5	77.1	77.7	76.5
43.5	49.5	55.5	60.3	64.5	67.5	71.1	73.5	75.3	76.5	77.1	77.7	76.5
43.8	49.5	55.2	59.3	64.4	67.3	70.2	72.5	74.8	75.9	77.1	77.6	76.5
43.8	50.1	55.2	59.3	63.9	67.9	70.8	72.5	74.8	75.9	76.5	77.1	76.5
44.1	49.9	55.7	59.7	64.3	67.8	70.1	73.0	74.8	75.9	77.1	77.7	76.5

Sheet 7 of 7)

Table A6
H-H Pattern System Average Piezometer Reading During Empyting Operation, Type 2 S
Normal Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
UP	—	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.
LC	—	76.5	75.9	75.9	74.8	73.7	72.5	70.8	68.0	66.3	60.7	56.2	47.
LP	—	7.0	7.0	7.0	7.6	7.0	7.6	7.0	7.6	7.6	7.0	7.6	7.
14	-53.0	76.5	75.4	72.6	71.5	67.0	61.9	56.3	50.7	46.2	41.8	40.1	33.
15	-46.0	76.5	74.8	72.6	70.9	67.0	61.4	56.3	50.7	46.8	42.3	39.5	33.
16	-3.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.
17	-3.0	76.5	75.4	73.1	70.8	66.3	71.2	55.6	50.5	46.6	40.9	38.6	32.
18	-39.0	76.5	75.4	73.1	71.4	66.9	61.8	56.2	51.1	47.1	41.5	39.2	33.
19	-38.4	76.5	74.8	72.6	71.5	67.0	61.9	56.3	50.7	47.4	41.8	39.5	33.
20	-37.7	76.5	76.5	73.4	72.1	68.4	63.4	56.5	52.1	50.2	50.2	49.6	37.
21	-37.7	76.5	75.4	73.1	71.4	66.9	61.8	56.2	51.1	47.1	41.5	39.2	33.
22	-37.0	76.5	74.8	72.4	70.7	66.7	61.4	55.7	49.9	47.0	41.2	38.9	33.
23	-36.0	76.5	75.4	72.5	70.3	66.3	61.2	55.6	49.9	47.1	40.9	38.6	33.
24	-35.0	76.5	74.8	72.6	70.3	65.9	61.4	55.8	50.2	46.8	40.6	38.4	32.
25	-33.5	76.5	75.4	73.1	70.8	66.8	61.7	56.0	50.9	46.9	41.2	38.9	33.
26	-32.0	76.5	74.8	73.1	70.3	66.3	61.2	56.2	70.5	47.1	41.5	39.2	33.
27	-31.0	76.5	74.8	72.5	70.8	66.2	61.1	55.4	50.3	46.3	41.2	38.3	32.
27A	-31.0	76.5	75.4	73.1	70.3	66.3	61.2	55.6	50.5	46.0	42.0	38.6	33.
28	-42.0	76.5	74.7	73.0	71.2	67.2	62.5	56.6	50.8	46.7	41.5	39.1	32.
29	-42.0	76.5	75.4	73.1	70.8	66.8	61.1	56.0	50.9	46.3	41.2	38.9	32.
30	-42.0	76.5	75.4	72.5	70.8	66.3	61.2	56.2	51.1	46.0	40.9	38.6	32.
31	-42.0	76.5	75.3	73.0	70.7	66.7	61.4	56.8	51.0	46.4	41.8	38.9	33.
32	-53.0	76.5	74.8	72.6	70.9	67.0	61.9	56.3	51.3	46.8	41.2	38.9	33.
33	-53.0	76.5	75.4	73.1	71.3	67.3	62.7	56.4	51.2	47.2	42.0	39.2	33.
34	-53.0	76.5	74.8	72.5	70.3	66.3	61.8	56.2	51.1	46.6	40.9	39.2	33.

ezometer Reading During Empyting Operation, Type 2 System, Lift 69.5 ft, Valve Speed 2 Min, Upper Pool El 76.5, Low

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=
76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	7
74.8	73.7	72.5	70.8	68.0	66.3	60.7	56.2	47.1	39.2	32.4	25.6	20.6	16.6	13.2	10.4	8.1	
7.6	7.0	7.6	7.0	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.6	7.0	7.0	7.6	7.0	7.0	
71.5	67.0	61.9	56.3	50.7	46.2	41.8	40.1	33.9	28.3	24.4	20.5	17.1	14.3	12.0	10.4	8.7	
70.9	67.0	61.4	56.3	50.7	46.8	42.3	39.5	33.3	28.3	23.8	19.3	16.5	13.2	10.9	9.2	8.1	
76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	7
70.8	66.3	71.2	55.6	50.5	46.6	40.9	38.6	32.4	27.3	22.8	18.9	16.0	12.7	11.0	8.7	7.6	
71.4	66.9	61.8	56.2	51.1	47.1	41.5	39.2	33.0	27.3	22.8	19.4	16.0	12.7	10.4	8.7	7.0	
71.5	67.0	61.9	56.3	50.7	47.4	41.8	39.5	33.3	27.7	23.8	19.9	16.5	13.7	11.5	9.2	8.1	
72.1	68.4	63.4	56.5	52.1	50.2	50.2	49.6	37.1	30.8	25.2	21.4	17.0	14.5	11.4	9.5	8.3	
71.4	66.9	61.8	56.2	51.1	47.1	41.5	39.2	33.0	27.9	23.4	19.4	16.6	13.2	11.5	9.3	8.1	
70.7	66.7	61.4	55.7	49.9	47.0	41.2	38.9	33.1	27.9	23.2	19.7	16.3	13.4	10.5	9.3	7.6	
70.3	66.3	61.2	55.6	49.9	47.1	40.9	38.6	33.0	27.9	22.8	19.4	16.0	12.7	10.4	8.7	7.6	
70.3	65.9	61.4	55.8	50.2	46.8	40.6	38.4	32.8	27.2	23.3	19.3	16.0	13.2	10.9	9.2	7.6	
70.8	66.8	61.7	56.0	50.9	46.9	41.2	38.9	33.2	28.1	23.5	20.1	16.1	13.8	11.0	9.3	8.1	
70.3	66.3	61.2	56.2	70.5	47.1	41.5	39.2	33.0	27.9	23.4	20.0	16.0	13.2	11.5	9.3	8.1	
70.8	66.2	61.1	55.4	50.3	46.3	41.2	38.3	32.6	28.1	23.0	19.5	16.1	12.7	10.4	9.3	7.6	
70.3	66.3	61.2	55.6	50.5	46.0	42.0	38.6	33.6	27.9	23.4	20.0	16.0	13.2	10.4	9.3	7.0	
71.2	67.2	62.5	56.6	50.8	46.7	41.5	39.1	32.7	27.4	23.4	19.3	15.8	12.8	10.5	8.8	7.6	
70.8	66.8	61.1	56.0	50.9	46.3	41.2	38.9	32.6	27.5	23.5	19.0	16.1	12.7	11.0	8.1	7.0	
70.8	66.3	61.2	56.2	51.1	46.0	40.9	38.6	32.4	27.3	23.4	18.9	16.0	13.2	11.0	10.4	7.6	
70.7	66.7	61.4	56.8	51.0	46.4	41.8	38.9	33.1	27.9	23.2	19.2	16.3	13.4	11.1	9.3	7.6	
70.9	67.0	61.9	56.3	51.3	46.8	41.2	38.9	33.3	27.7	23.8	19.9	16.5	13.7	11.5	9.2	8.1	
71.3	67.3	62.7	56.4	51.2	47.2	42.0	39.2	33.4	28.3	23.7	19.6	16.2	13.3	11.0	9.3	7.6	
70.3	66.3	61.8	56.2	51.1	46.6	40.9	39.2	33.0	27.9	23.4	19.4	16.6	13.2	11.0	9.3	7.6	

n, Lift 69.5 ft, Valve Speed 2 Min, Upper Pool El 76.5, Lower Pool El 7,

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	77.1
39.2	32.4	25.6	20.6	16.6	13.2	10.4	8.1	7.0	6.4	6.4	7.6	7.0
7.0	7.0	7.6	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6	5.9
28.3	24.4	20.5	17.1	14.3	12.0	10.4	8.7	8.1	7.6	8.1	7.6	7.0
28.3	23.8	19.3	16.5	13.2	10.9	9.2	8.1	6.4	7.0	6.4	7.6	7.0
76.5	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5	75.9	75.9	76.5	77.1
27.3	22.8	18.9	16.0	12.7	11.0	8.7	7.6	6.4	5.9	6.4	7.0	7.0
27.3	22.8	19.4	16.0	12.7	10.4	8.7	7.0	6.4	5.9	6.4	7.0	7.0
27.7	23.8	19.9	16.5	13.7	11.5	9.2	8.1	7.6	7.0	6.4	7.6	7.0
30.8	25.2	21.4	17.0	14.5	11.4	9.5	8.3	7.0	7.0	7.0	7.0	7.0
27.9	23.4	19.4	16.6	13.2	11.5	9.3	8.1	7.0	7.0	7.0	7.6	7.0
27.9	23.2	19.7	16.3	13.4	10.5	9.3	7.6	7.0	6.4	7.0	7.6	7.0
27.9	22.8	19.4	16.0	12.7	10.4	8.7	7.6	7.0	6.4	6.4	7.0	7.0
27.2	23.3	19.3	16.0	13.2	10.9	9.2	7.6	7.0	6.4	7.0	7.6	7.0
28.1	23.5	20.1	16.1	13.8	11.0	9.3	8.1	7.0	7.0	7.0	7.6	7.0
27.9	23.4	20.0	16.0	13.2	11.5	9.3	8.1	7.0	6.4	7.0	7.6	7.0
28.1	23.0	19.5	16.1	12.7	10.4	9.3	7.6	7.0	6.4	6.4	7.6	7.0
27.9	23.4	20.0	16.0	13.2	10.4	9.3	7.0	7.0	6.4	7.0	7.0	7.0
27.4	23.4	19.3	15.8	12.8	10.5	8.8	7.6	6.4	5.8	5.8	7.0	7.0
27.5	23.5	19.0	16.1	12.7	11.0	8.1	7.0	7.0	6.4	6.4	7.0	7.0
27.3	23.4	18.9	16.0	13.2	11.0	10.4	7.6	7.0	6.4	6.4	7.0	7.0
27.9	23.2	19.2	16.3	13.4	11.1	9.3	7.6	7.0	6.4	7.0	7.6	7.0
27.7	23.8	19.9	16.5	13.7	11.5	9.2	8.1	7.6	7.0	7.0	7.6	7.0
28.3	23.7	19.6	16.2	13.3	11.0	9.3	7.6	7.0	6.4	6.4	7.0	7.0
27.9	23.4	19.4	16.6	13.2	11.0	9.3	7.6	7.0	6.4	6.4	7.6	7.0

(Sheet 1 of 8)

Table A6 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
35	-53.0	76.5	74.3	72.6	70.3	66.4	60.8	55.2	49.6	46.8	41.2	38.9	33.
36	-53.0	76.5	74.7	73.5	71.2	67.6	63.4	58.1	52.7	49.2	43.2	40.3	34.
36A	-53.0	76.5	75.4	73.1	70.2	66.2	61.1	55.4	49.7	47.4	41.8	38.9	33.
37	-48.0	76.5	75.4	73.1	70.8	66.8	62.3	56.6	51.4	46.9	41.8	39.5	33.
38	-36.0	76.5	75.4	73.1	71.4	66.8	61.1	54.9	50.3	46.3	40.6	37.8	32.
39	-48.0	76.5	74.8	73.1	70.8	66.2	61.6	55.8	50.7	46.1	41.5	39.2	34
40	-36.0	76.5	74.8	72.5	70.3	65.8	60.7	54.5	49.9	44.9	39.8	38.1	31.
41	-36.0	76.5	74.2	72.5	70.3	65.8	60.1	53.9	48.8	44.3	39.8	36.9	30.
42	-36.0	76.5	74.8	72.4	70.1	66.1	60.9	54.5	48.7	44.1	37.7	35.4	30.
43	-33.0	76.5	74.5	73.9	71.2	68.6	67.9	59.3	47.4	42.1	34.8	31.5	28.
44	-37.0	76.5	74.8	72.5	69.1	64.0	56.6	48.6	40.0	36.1	32.1	28.1	24.
45	-39.0	76.5	74.8	72.5	70.2	65.6	60.4	54.7	49.5	43.8	39.2	35.1	30.
46	-35.0	76.5	74.8	73.6	70.8	66.7	60.4	53.5	48.4	43.8	38.0	37.4	30.
47	-35.0	76.5	74.8	73.1	70.8	66.8	61.7	56.0	50.3	45.7	40.0	37.2	32.
48	-36.0	76.5	75.4	73.6	71.9	68.5	63.9	59.3	54.1	50.1	45.5	42.0	35.
49	-36.0	76.5	74.2	73.1	70.8	68.0	62.8	58.8	53.1	49.7	45.2	42.3	35.
50	-31.0	76.5	74.8	73.1	70.9	66.4	61.4	56.9	51.3	47.4	42.3	39.5	33.
51	-42.0	76.5	74.8	73.1	70.8	67.4	62.8	58.8	53.1	49.7	44.6	41.8	35.
52	-27.8	76.5	74.8	73.1	70.8	66.2	62.1	56.4	51.2	47.8	42.6	39.7	33.
53	-49.5	76.5	74.2	73.1	70.8	67.4	62.8	58.3	53.1	50.3	45.7	41.8	36.
54	-21.6	76.5	74.8	73.6	71.3	67.8	63.8	59.1	54.5	51.0	45.2	41.8	35.
55	-41.6	76.5	75.3	73.6	71.2	67.7	63.1	57.8	53.1	50.2	44.4	41.5	35.
56	-17.5	76.5	75.3	74.1	71.8	68.3	63.5	58.2	53.5	50.0	45.3	42.3	35.
57	-35.2	76.5	74.8	73.1	70.2	66.8	61.7	56.6	50.9	47.4	42.3	39.5	33.
58	-31.3	76.5	75.3	73.6	71.2	67.7	63.1	57.8	53.1	49.1	44.4	41.5	35.
59	-31.3	76.5	75.4	74.2	71.3	67.9	63.3	58.7	53.5	49.5	44.9	41.5	34.

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=72C
70.3	66.4	60.8	55.2	49.6	46.8	41.2	38.9	33.3	27.7	23.3	19.9	16.0	13.7	10.9	9.2	7.6
71.2	67.6	63.4	58.1	52.7	49.2	43.2	40.3	34.3	28.4	23.6	19.5	15.9	12.9	10.6	8.8	7.6
70.2	66.2	61.1	55.4	49.7	47.4	41.8	38.9	33.2	28.1	23.5	19.5	16.1	13.3	11.0	8.7	7.6
70.8	66.8	62.3	56.6	51.4	46.9	41.8	39.5	33.8	28.1	23.5	19.5	16.7	13.3	11.0	9.3	7.6
71.4	66.8	61.1	54.9	50.3	46.3	40.6	37.8	32.6	27.5	23.0	19.5	15.5	13.3	11.0	8.7	7.6
70.8	66.2	61.6	55.8	50.7	46.1	41.5	39.2	34.0	28.3	23.7	19.6	16.8	13.9	11.6	9.3	8.1
70.3	65.8	60.7	54.5	49.9	44.9	39.8	38.1	31.9	27.3	22.8	19.4	16.0	13.2	11.0	9.3	8.1
70.3	65.8	60.1	53.9	48.8	44.3	39.8	36.9	30.7	26.8	22.3	18.3	15.5	12.7	10.4	8.7	7.6
70.1	66.1	60.9	54.5	48.7	44.1	37.7	35.4	30.2	25.5	22.1	18.6	15.1	12.8	11.1	8.7	7.6
71.2	68.6	67.9	59.3	47.4	42.1	34.8	31.5	28.2	24.9	21.6	18.3	16.3	14.3	13.0	11.0	7.0
69.1	64.0	56.6	48.6	40.0	36.1	32.1	28.1	24.7	21.8	18.4	15.5	13.3	11.0	9.3	8.1	7.6
70.2	65.6	60.4	54.7	49.5	43.8	39.2	35.1	30.0	26.0	21.9	17.9	15.0	12.7	9.9	8.7	7.6
70.8	66.7	60.4	53.5	48.4	43.8	38.0	37.4	30.5	27.7	20.8	18.5	15.0	12.7	10.4	8.7	7.6
70.8	66.8	61.7	56.0	50.3	45.7	40.0	37.2	32.1	26.9	22.4	18.4	15.5	12.7	10.4	8.7	7.6
71.9	68.5	63.9	59.3	54.1	50.1	45.5	42.0	35.7	30.0	25.4	20.8	16.8	14.5	11.0	9.3	7.6
70.8	68.0	62.8	58.8	53.1	49.7	45.2	42.3	35.5	29.8	25.2	20.7	16.7	13.8	11.0	8.7	7.6
70.9	66.4	61.4	56.9	51.3	47.4	42.3	39.5	33.3	28.3	23.3	19.9	16.0	13.2	10.9	9.2	7.6
70.8	67.4	62.8	58.8	53.1	49.7	44.6	41.8	35.5	29.8	25.2	20.7	16.7	13.8	11.6	9.3	8.1
70.8	66.2	62.1	56.4	51.2	47.8	42.6	39.7	33.4	28.3	23.7	19.6	15.6	12.7	10.4	8.7	7.0
70.8	67.4	62.8	58.3	53.1	50.3	45.7	41.8	36.1	29.8	24.7	20.7	16.7	13.3	11.0	8.7	7.6
71.3	67.8	63.8	59.1	54.5	51.0	45.2	41.8	35.4	29.6	25.0	20.3	16.3	13.4	10.5	8.7	7.6
71.2	67.7	63.1	57.8	53.1	50.2	44.4	41.5	35.0	29.8	25.1	21.0	16.9	14.0	11.1	9.9	8.2
71.8	68.3	63.5	58.2	53.5	50.0	45.3	42.3	35.3	29.4	25.3	20.5	17.0	13.5	11.1	9.4	7.6
70.2	66.8	61.7	56.6	50.9	47.4	42.3	39.5	33.2	28.1	23.5	19.5	16.1	13.3	10.4	8.7	7.6
71.2	67.7	63.1	57.8	53.1	49.1	44.4	41.5	35.0	29.2	24.5	19.3	16.3	12.8	10.5	8.2	7.0
71.3	67.9	63.3	58.7	53.5	49.5	44.9	41.5	34.6	29.4	24.8	20.2	16.2	13.3	10.4	8.7	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
27.7	23.3	19.9	16.0	13.7	10.9	9.2	7.6	7.0	7.0	7.0	7.6	7.0
28.4	23.6	19.5	15.9	12.9	10.6	8.8	7.6	6.4	5.8	5.8	7.0	7.0
28.1	23.5	19.5	16.1	13.3	11.0	8.7	7.6	7.0	6.4	7.0	7.0	7.0
28.1	23.5	19.5	16.7	13.3	11.0	9.3	7.6	7.0	7.0	6.4	7.0	7.0
27.5	23.0	19.5	15.5	13.3	11.0	8.7	7.6	7.0	6.4	7.0	7.6	7.0
28.3	23.7	19.6	16.8	13.9	11.6	9.3	8.1	7.6	7.0	7.0	7.6	7.0
27.3	22.8	19.4	16.0	13.2	11.0	9.3	8.1	7.0	7.0	7.0	7.6	7.0
26.8	22.3	18.3	15.5	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.0	7.0
25.5	22.1	18.6	15.1	12.8	11.1	8.7	7.6	7.0	6.4	7.0	7.0	7.0
24.9	21.6	18.3	16.3	14.3	13.0	11.0	7.0	5.7	5.7	6.3	7.0	7.0
21.8	18.4	15.5	13.3	11.0	9.3	8.1	7.6	7.0	6.4	6.4	7.0	7.0
26.0	21.9	17.9	15.0	12.7	9.9	8.7	7.6	6.4	6.4	6.4	7.0	7.0
27.7	20.8	18.5	15.0	12.7	10.4	8.7	7.6	6.4	6.4	6.4	7.0	7.0
26.9	22.4	18.4	15.5	12.7	10.4	8.7	7.6	6.4	6.4	6.4	7.0	7.0
30.0	25.4	20.8	16.8	14.5	11.0	9.3	7.6	6.4	6.4	6.4	7.0	7.0
29.8	25.2	20.7	16.7	13.8	11.0	8.7	7.6	7.0	6.4	6.4	7.0	7.0
28.3	23.3	19.9	16.0	13.2	10.9	9.2	7.6	7.0	6.4	6.4	7.0	7.0
29.8	25.2	20.7	16.7	13.8	11.6	9.3	8.1	7.6	7.0	7.0	7.6	7.0
28.3	23.7	19.6	15.6	12.7	10.4	8.7	7.0	6.4	6.4	5.9	6.4	7.0
29.8	24.7	20.7	16.7	13.3	11.0	8.7	7.6	7.0	6.4	6.4	7.0	7.0
29.6	25.0	20.3	16.3	13.4	10.5	8.7	7.6	7.0	5.8	5.8	7.0	7.0
29.8	25.1	21.0	16.9	14.0	11.1	9.9	8.2	7.0	7.6	7.6	7.6	7.0
29.4	25.3	20.5	17.0	13.5	11.1	9.4	7.6	6.4	6.4	6.4	7.0	7.0
28.1	23.5	19.5	16.1	13.3	10.4	8.7	7.6	7.0	6.4	6.4	7.0	7.0
29.2	24.5	19.3	16.3	12.8	10.5	8.2	7.0	5.8	5.8	5.8	7.0	7.0
29.4	24.8	20.2	16.2	13.3	10.4	8.7	7.0	6.4	5.9	6.4	7.0	7.0

Table A6 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
60	-23.1	76.5	75.4	73.6	70.8	66.7	62.1	56.4	50.7	47.2	42.0	38.6	33.
61	-23.1	76.5	75.9	74.2	72.4	68.9	64.8	60.7	56.6	53.1	47.9	45.0	37.
62	-22.8	76.5	75.9	73.6	71.3	66.7	61.4	56.2	50.4	46.4	41.2	38.3	32.
63	-22.8	76.5	75.9	74.8	72.5	69.0	65.0	61.0	56.4	53.0	48.4	44.3	37.
64	-22.4	76.5	75.4	73.7	70.8	66.8	61.1	55.4	50.3	45.7	41.2	37.8	32.
65	-22.4	76.5	75.9	75.9	76.5	75.9	65.5	61.1	56.1	52.8	48.4	44.5	37.
66	-28.0	76.5	76.5	74.8	73.0	69.6	65.5	60.3	55.7	51.6	47.0	42.9	36.
66A	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
67	-28.0	76.5	75.9	74.7	72.9	71.2	67.6	64.6	59.9	56.9	52.1	48.6	40.
68	-28.0	76.5	75.9	76.5	76.5	75.3	74.7	73.4	70.3	65.4	58.0	53.7	44.
69	-28.0	76.5	75.9	75.3	74.7	71.6	69.1	67.3	63.6	60.5	55.6	51.3	43.
70	-28.0	76.5	75.9	75.4	73.7	71.4	69.1	65.7	62.8	60.0	54.9	51.4	41.
71	-28.0	76.5	76.5	75.4	74.2	71.9	69.0	66.2	63.3	59.8	55.2	50.7	42.
71A	-28.0	76.5	76.5	75.4	73.7	71.5	68.7	65.3	63.0	59.7	54.6	50.7	42.
72	-28.0	76.5	75.9	73.7	72.0	68.0	63.5	58.4	53.9	50.5	46.0	42.0	36.
73	-23.5	76.5	75.4	73.7	70.8	65.7	60.5	54.3	48.0	43.5	38.3	36.1	30.
74	-23.5	76.5	75.4	73.1	70.2	65.7	60.0	54.3	50.3	46.9	42.9	38.9	33.
75	-22.8	76.5	75.9	74.2	71.9	67.8	63.8	58.5	54.5	50.4	45.8	41.8	35.
76	-28.0	76.5	75.4	74.2	71.9	6.5	63.9	58.7	53.5	50.1	44.9	42.0	35.
76A	-28.0	76.5	75.9	74.2	72.5	68.5	64.4	59.3	54.7	51.2	45.5	41.5	35.
77	-28.0	76.5	76.5	74.8	73.7	69.7	65.7	61.7	57.7	53.7	49.2	45.2	37.
78	-28.0	76.5	75.9	75.4	73.7	71.4	67.4	64.5	60.5	57.7	52.6	48.6	40.
79	-28.0	76.5	75.9	75.3	73.6	71.3	68.4	65.5	62.6	59.1	53.9	50.4	42.
80	-28.0	76.5	75.9	74.8	73.6	71.3	69.0	65.6	62.1	59.8	55.2	50.7	42.
81	-28.0	76.5	75.9	75.3	74.2	72.4	69.6	66.1	63.2	60.3	55.7	50.4	42.
81A	-28.0	76.5	75.9	74.2	73.7	71.4	69.2	65.8	62.9	60.7	54.5	51.1	43.

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
70.8	66.7	62.1	56.4	50.7	47.2	42.0	38.6	33.4	28.3	23.7	19.1	16.2	13.3	10.4	8.7	8.1
72.4	68.9	64.8	60.7	56.6	53.1	47.9	45.0	37.4	31.5	26.9	21.0	17.5	14.6	11.7	9.3	8.2
71.3	66.7	61.4	56.2	50.4	46.4	41.2	38.3	32.5	27.3	22.6	18.6	15.7	12.8	10.5	8.2	7.0
72.5	69.0	65.0	61.0	56.4	53.0	48.4	44.3	37.4	32.3	26.5	21.4	17.3	14.5	11.6	9.3	8.1
70.8	66.8	61.1	55.4	50.3	45.7	41.2	37.8	32.1	26.9	22.4	19.5	15.5	12.7	10.4	8.1	7.6
76.5	75.9	65.5	61.1	56.1	52.8	48.4	44.5	37.9	31.3	25.8	21.3	16.9	14.2	11.4	8.7	7.6
73.0	69.6	65.5	60.3	55.7	51.6	47.0	42.9	36.0	30.7	25.0	20.9	16.8	13.4	11.1	8.7	7.6
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
72.9	71.2	67.6	64.6	59.9	56.9	52.1	48.6	40.9	34.9	28.4	22.4	18.9	15.3	12.3	10.0	7.6
76.5	75.3	74.7	73.4	70.3	65.4	58.0	53.7	44.5	37.1	31.0	24.2	19.9	15.6	12.5	10.1	7.0
74.7	71.6	69.1	67.3	63.6	60.5	55.6	51.3	43.3	35.9	29.8	24.8	19.3	15.6	12.5	10.1	8.2
73.7	71.4	69.1	65.7	62.8	60.0	54.9	51.4	41.8	36.1	29.2	23.5	19.0	15.0	12.1	9.3	7.6
74.2	71.9	69.0	66.2	63.3	59.8	55.2	50.7	42.6	35.7	28.8	23.1	18.5	15.0	11.6	9.3	7.6
73.7	71.5	68.7	65.3	63.0	59.7	54.6	50.7	42.3	35.6	30.0	23.8	19.3	15.4	12.6	9.8	8.1
72.0	68.0	63.5	58.4	53.9	50.5	46.0	42.0	36.4	30.2	25.6	21.1	17.2	14.3	11.5	9.8	8.1
70.8	65.7	60.5	54.3	48.0	43.5	38.3	36.1	30.9	26.4	22.4	19.0	15.5	13.3	11.0	9.3	8.1
70.2	65.7	60.0	54.3	50.3	46.9	42.9	38.9	33.8	28.1	23.5	19.5	16.1	13.3	10.4	8.7	7.6
71.9	67.8	63.8	58.5	54.5	50.4	45.8	41.8	35.4	29.6	25.0	20.3	16.8	13.4	11.1	8.7	7.6
71.9	6.5	63.9	58.7	53.5	50.1	44.9	42.0	35.1	30.0	24.8	20.2	16.8	13.3	10.4	8.7	7.0
72.5	68.5	64.4	59.3	54.7	51.2	45.5	41.5	35.1	30.0	24.8	20.2	16.8	13.9	11.0	8.7	7.6
73.7	69.7	65.7	61.7	57.7	53.7	49.2	45.2	37.8	32.1	26.4	21.8	17.8	13.8	11.6	9.3	8.1
73.7	71.4	67.4	64.5	60.5	57.7	52.6	48.6	40.6	34.3	28.6	22.4	19.0	15.0	12.1	9.8	8.1
73.6	71.3	68.4	65.5	62.6	59.1	53.9	50.4	42.3	35.4	29.0	23.2	19.2	15.1	11.6	9.9	7.6
73.6	71.3	69.0	65.6	62.1	59.8	55.2	50.7	42.6	35.1	28.8	23.1	19.1	15.0	11.6	9.3	7.6
74.2	72.4	69.6	66.1	63.2	60.3	55.7	50.4	42.9	36.0	29.0	23.8	19.2	15.1	12.2	9.3	7.0
73.7	71.4	69.2	65.8	62.9	60.7	54.5	51.1	43.2	35.3	29.6	24.0	18.9	14.9	12.1	9.8	8.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
28.3	23.7	19.1	16.2	13.3	10.4	8.7	8.1	7.0	7.0	7.0	7.6	7.0
31.5	26.9	21.0	17.5	14.6	11.7	9.3	8.2	7.0	7.0	6.4	7.6	7.0
27.3	22.6	18.6	15.7	12.8	10.5	8.2	7.0	6.4	6.4	5.8	7.0	7.0
32.3	26.5	21.4	17.3	14.5	11.6	9.3	8.1	7.0	7.0	7.0	7.6	7.0
26.9	22.4	19.5	15.5	12.7	10.4	8.1	7.6	6.4	6.4	6.4	7.6	7.0
31.3	25.8	21.3	16.9	14.2	11.4	8.7	7.6	6.4	6.4	6.4	7.0	7.0
30.7	25.0	20.9	16.8	13.4	11.1	8.7	7.6	6.4	5.8	6.4	6.4	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
34.9	28.4	22.4	18.9	15.3	12.3	10.0	7.6	7.0	6.4	7.0	8.2	7.0
37.1	31.0	24.2	19.9	15.6	12.5	10.1	7.0	7.0	6.4	6.4	7.0	7.0
35.9	29.8	24.8	19.3	15.6	12.5	10.1	8.2	7.0	6.4	6.4	7.0	7.0
36.1	29.2	23.5	19.0	15.0	12.1	9.3	7.6	6.4	5.9	6.4	7.6	7.0
35.7	28.8	23.1	18.5	15.0	11.6	9.3	7.6	6.4	5.9	6.4	7.6	7.0
35.6	30.0	23.8	19.3	15.4	12.6	9.8	8.1	7.0	7.0	6.4	7.6	7.0
30.2	25.6	21.1	17.2	14.3	11.5	9.8	8.1	7.6	7.0	7.0	8.1	7.0
26.4	22.4	19.0	15.5	13.3	11.0	9.3	8.1	7.0	6.4	7.0	7.6	7.0
28.1	23.5	19.5	16.1	13.3	10.4	8.7	7.6	6.4	6.4	6.4	7.6	7.0
29.6	25.0	20.3	16.8	13.4	11.1	8.7	7.6	6.4	5.8	5.8	7.0	7.0
30.0	24.8	20.2	16.8	13.3	10.4	8.7	7.0	6.4	5.9	5.9	7.0	7.0
30.0	24.8	20.2	16.8	13.9	11.0	8.7	7.6	7.0	6.4	6.4	7.6	7.0
32.1	26.4	21.8	17.8	13.8	11.6	9.3	8.1	7.0	6.4	6.4	7.6	7.0
34.3	28.6	22.4	19.0	15.0	12.1	9.8	8.1	7.0	6.4	6.4	8.1	7.0
35.4	29.0	23.2	19.2	15.1	11.6	9.9	7.6	6.4	6.4	6.4	7.6	7.0
35.1	28.8	23.1	19.1	15.0	11.6	9.3	7.6	6.4	6.4	6.4	7.0	7.0
36.0	29.0	23.8	19.2	15.1	12.2	9.3	7.0	6.4	6.4	5.8	7.0	7.0
35.3	29.6	24.0	18.9	14.9	12.1	9.8	8.1	7.0	6.4	6.4	7.6	7.0

Table A6 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24(
82	-22.8	76.5	75.4	73.7	70.2	65.7	60.0	55.4	50.3	46.9	42.3	40.0	33.8
83	-22.8	76.5	74.8	74.2	70.8	66.2	61.6	56.4	52.4	49.5	44.9	41.5	35.7
84	-22.8	76.5	74.8	73.1	69.1	64.5	59.4	53.7	48.6	45.7	41.2	38.3	32.6
85	-22.8	76.5	74.2	73.7	70.8	67.4	62.8	57.7	54.3	51.4	46.9	43.5	36.6
86	-25.5	76.5	76.5	75.9	74.8	73.7	72.0	69.7	67.5	65.2	60.1	55.6	46.6
87	-48.0	76.5	73.1	72.5	67.9	62.7	55.8	50.1	44.9	41.5	38.6	34.6	30.0
88	-36.0	76.5	72.5	71.4	65.7	57.7	48.6	40.6	33.8	30.9	27.5	25.8	22.4
89	-48.0	76.5	73.1	73.1	69.0	65.0	60.4	55.8	51.2	48.4	44.3	41.5	35.7
90	-48.0	76.5	72.5	72.5	68.6	64.6	59.5	55.0	49.9	47.7	44.3	40.9	34.7
91	-48.0	76.5	72.5	73.1	68.0	62.8	57.1	51.4	46.3	43.5	40.0	37.2	32.1
92	-36.0	76.5	72.5	72.5	67.9	62.1	55.8	48.9	43.8	40.9	37.4	34.6	30.0
93	-36.0	76.5	73.0	73.0	67.8	62.6	56.2	49.3	44.6	41.8	37.7	35.4	29.6
94	-36.0	76.5	74.2	73.6	70.1	64.2	57.2	50.8	45.0	40.3	36.8	33.9	28.6
95	-48.0	76.5	74.8	73.6	70.8	66.2	60.4	54.7	48.7	43.8	39.7	36.9	31.1
96	-48.0	76.5	74.2	73.0	70.1	64.9	59.1	53.3	47.5	42.9	38.9	36.0	30.7
97	-48.0	76.5	73.7	72.5	68.5	64.5	58.3	52.0	46.3	41.8	37.2	33.8	29.2
98	-31.0	76.5	74.3	73.1	70.9	67.5	63.6	58.6	54.1	49.0	41.8	36.1	28.9
99	-42.0	76.5	74.5	73.2	68.5	63.1	56.5	49.8	43.1	38.4	33.1	29.7	25.7
100	-27.8	76.5	75.9	74.7	74.1	72.9	62.8	53.3	46.8	41.5	36.7	33.1	29.0
101	-49.5	76.5	74.2	73.1	70.2	65.0	58.7	53.0	47.2	43.2	39.2	35.1	31.1
102	-21.6	76.5	74.7	73.6	70.0	65.3	59.4	52.9	47.1	42.3	37.6	34.7	30.0
103	-41.6	76.5	73.9	72.7	68.8	63.7	57.4	51.6	45.9	43.3	42.7	42.7	35.7
104	-17.5	76.5	74.6	74.0	71.5	68.4	63.5	61.0	60.4	49.2	43.0	39.3	33.7
105	-35.2	76.5	75.4	72.5	70.3	64.1	57.3	49.9	43.7	38.6	34.7	32.4	27.9
106	-31.3	—	—	—	—	—	—	—	—	—	—	—	—
107	-31.3	76.5	75.4	73.7	70.8	65.1	59.4	52.6	45.7	41.2	37.2	34.9	29.2

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=72C
70.2	65.7	60.0	55.4	50.3	46.9	42.3	40.0	33.8	28.6	23.5	19.5	16.7	13.3	11.0	9.3	7.6
70.8	66.2	61.6	56.4	52.4	49.5	44.9	41.5	35.7	29.4	24.2	20.2	16.8	13.3	11.0	8.7	7.0
69.1	64.5	59.4	53.7	48.6	45.7	41.2	38.3	32.6	27.5	23.0	19.0	15.5	12.7	11.0	9.3	7.6
70.8	67.4	62.8	57.7	54.3	51.4	46.9	43.5	36.6	30.9	25.8	21.2	17.3	13.3	11.0	8.7	7.6
74.8	73.7	72.0	69.7	67.5	65.2	60.1	55.6	46.6	38.6	31.3	25.1	20.6	16.0	12.7	10.4	8.1
67.9	62.7	55.8	50.1	44.9	41.5	38.6	34.6	30.0	25.4	21.4	17.9	14.5	12.2	9.9	8.1	6.4
65.7	57.7	48.6	40.6	33.8	30.9	27.5	25.8	22.4	19.0	17.3	14.4	12.1	11.0	9.3	8.1	7.6
69.0	65.0	60.4	55.8	51.2	48.4	44.3	41.5	35.7	29.4	24.8	20.2	16.2	13.3	10.4	8.7	7.6
68.6	64.6	59.5	55.0	49.9	47.7	44.3	40.9	34.7	29.0	24.0	20.0	16.0	13.2	11.5	9.3	8.1
68.0	62.8	57.1	51.4	46.3	43.5	40.0	37.2	32.1	26.9	23.0	19.0	15.5	13.3	11.0	8.7	7.6
67.9	62.1	55.8	48.9	43.8	40.9	37.4	34.6	30.0	24.8	20.8	17.9	14.5	12.2	9.9	8.1	7.0
67.8	62.6	56.2	49.3	44.6	41.8	37.7	35.4	29.6	25.5	21.5	17.4	15.1	12.2	10.5	8.7	7.0
70.1	64.2	57.2	50.8	45.0	40.3	36.8	33.9	28.6	24.5	20.4	17.4	14.6	11.7	9.9	8.2	7.0
70.8	66.2	60.4	54.7	48.7	43.8	39.7	36.9	31.1	26.5	22.5	19.1	15.6	12.7	10.4	8.7	7.6
70.1	64.9	59.1	53.3	47.5	42.9	38.9	36.0	30.7	26.7	22.1	18.6	15.7	12.8	10.5	9.3	7.6
68.5	64.5	58.3	52.0	46.3	41.8	37.2	33.8	29.2	25.2	21.2	17.8	15.0	12.1	10.4	8.7	7.6
70.9	67.5	63.6	58.6	54.1	49.0	41.8	36.1	28.9	24.4	20.5	17.1	14.8	12.6	10.4	9.2	8.1
68.5	63.1	56.5	49.8	43.1	38.4	33.1	29.7	25.7	22.4	19.0	17.0	15.0	12.3	11.0	9.0	8.3
74.1	72.9	62.8	53.3	46.8	41.5	36.7	33.1	29.0	24.2	20.1	16.5	13.5	11.2	9.4	7.6	7.0
70.2	65.0	58.7	53.0	47.2	43.2	39.2	35.1	31.1	26.0	21.9	17.9	15.6	12.7	9.9	8.7	7.6
70.0	65.3	59.4	52.9	47.1	42.3	37.6	34.7	30.0	25.3	21.1	17.6	14.7	11.7	9.9	8.2	7.0
68.8	63.7	57.4	51.6	45.9	43.3	42.7	42.7	35.7	29.3	24.2	19.8	16.6	14.0	10.8	8.9	7.6
71.5	68.4	63.5	61.0	60.4	49.2	43.0	39.3	33.7	28.1	23.8	19.4	15.7	12.6	10.7	8.7	7.6
70.3	64.1	57.3	49.9	43.7	38.6	34.7	32.4	27.9	24.0	20.0	17.2	14.9	12.1	9.8	8.7	7.6
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
70.8	65.1	59.4	52.6	45.7	41.2	37.2	34.9	29.2	25.2	21.2	17.8	14.4	12.1	10.4	8.7	7.6

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
28.6	23.5	19.5	16.7	13.3	11.0	9.3	7.6	7.0	7.0	7.0	7.6	7.0
29.4	24.2	20.2	16.8	13.3	11.0	8.7	7.0	7.0	5.9	6.4	7.6	7.0
27.5	23.0	19.0	15.5	12.7	11.0	9.3	7.6	6.4	6.4	6.4	7.0	7.0
30.9	25.8	21.2	17.3	13.3	11.0	8.7	7.6	7.0	6.4	6.4	7.0	7.0
38.6	31.3	25.1	20.6	16.0	12.7	10.4	8.1	7.6	6.4	7.0	7.6	7.0
25.4	21.4	17.9	14.5	12.2	9.9	8.1	6.4	5.9	6.4	5.9	7.0	7.0
19.0	17.3	14.4	12.1	11.0	9.3	8.1	7.6	7.0	7.0	7.0	7.6	7.0
29.4	24.8	20.2	16.2	13.3	10.4	8.7	7.6	6.4	6.4	6.4	7.0	7.0
29.0	24.0	20.0	16.0	13.2	11.5	9.3	8.1	7.0	6.4	7.0	7.6	7.0
26.9	23.0	19.0	15.5	13.3	11.0	8.7	7.6	7.0	7.0	6.4	7.0	7.0
24.8	20.8	17.9	14.5	12.2	9.9	8.1	7.0	6.4	6.4	6.4	7.0	7.0
25.5	21.5	17.4	15.1	12.2	10.5	8.7	7.0	7.0	6.4	6.4	7.0	7.0
24.5	20.4	17.4	14.6	11.7	9.9	8.2	7.0	6.4	6.4	6.4	7.0	7.0
26.5	22.5	19.1	15.6	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.0	7.0
26.7	22.1	18.6	15.7	12.8	10.5	9.3	7.6	7.0	7.0	7.0	7.6	7.0
25.2	21.2	17.8	15.0	12.1	10.4	8.7	7.6	7.0	6.4	7.0	7.6	7.0
24.4	20.5	17.1	14.8	12.6	10.4	9.2	8.1	7.0	7.0	7.0	7.6	7.0
22.4	19.0	17.0	15.0	12.3	11.0	9.0	8.3	8.3	7.7	8.3	7.7	7.0
24.2	20.1	16.5	13.5	11.2	9.4	7.6	7.0	5.8	5.8	5.8	7.0	7.0
26.0	21.9	17.9	15.6	12.7	9.9	8.7	7.6	6.4	6.4	6.4	7.6	7.0
25.3	21.1	17.6	14.7	11.7	9.9	8.2	7.0	6.4	5.8	6.4	7.0	7.0
29.3	24.2	19.8	16.6	14.0	10.8	8.9	7.6	6.4	6.4	6.4	7.6	7.0
28.1	23.8	19.4	15.7	12.6	10.7	8.7	7.6	6.4	5.8	6.4	7.0	7.0
24.0	20.0	17.2	14.9	12.1	9.8	8.7	7.6	7.0	6.4	7.0	7.0	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
25.2	21.2	17.8	14.4	12.1	10.4	8.7	7.6	7.0	6.4	6.4	7.6	7.0

Table A6 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
108	-23.1	76.5	75.9	73.1	70.8	64.6	57.9	49.9	43.2	38.1	33.6	31.9	2
109	-23.1	76.5	75.9	73.7	71.5	65.9	61.4	54.1	48.5	44.6	40.1	37.3	3
110	-22.8	76.5	76.5	73.6	71.2	65.3	58.8	51.2	43.5	38.8	33.5	31.7	2
111	-22.8	76.5	75.9	74.2	71.9	67.2	62.0	55.7	49.9	45.2	41.8	38.3	3
112	-22.4	76.5	75.9	73.1	70.8	65.1	57.7	49.7	43.5	37.8	33.8	32.1	2
113	-22.4	76.5	75.9	74.7	72.9	68.8	65.8	64.0	51.6	47.4	43.2	39.7	3
114	-28.0	76.5	75.9	74.2	72.0	66.9	61.2	55.6	48.8	44.9	40.3	37.5	3
114A	-28.0	76.5	75.9	74.2	71.4	66.3	59.5	52.8	46.6	42.6	37.5	35.3	3
115	-28.0	76.5	77.1	74.8	73.1	69.6	65.0	60.4	54.1	51.2	46.1	42.6	3
116	-28.0	76.5	76.5	75.4	73.6	69.6	66.2	63.3	58.1	54.7	50.1	47.2	3
117	-28.0	76.5	75.9	74.8	73.7	70.8	67.4	64.0	60.5	56.6	52.6	47.4	4
118	-28.0	76.5	76.5	75.4	73.7	71.4	68.0	65.7	61.7	58.8	53.1	49.2	4
119	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
119A	-28.0	76.5	76.5	75.4	74.2	71.3	68.5	64.4	60.4	57.5	52.4	48.4	4
120	-23.5	76.5	76.5	75.9	75.9	67.2	58.5	49.9	41.8	36.0	31.9	30.2	2
121	-23.5	76.5	75.9	74.2	71.3	66.2	60.4	53.5	47.2	42.6	39.2	36.3	3
122	-22.8	76.5	75.9	73.7	71.4	66.3	60.1	53.9	48.2	43.2	38.1	36.4	3
123	-22.8	76.5	75.9	73.1	70.8	64.5	58.3	50.9	44.0	39.5	34.3	32.6	2
124	-28.0	76.5	76.5	74.2	71.4	66.2	60.5	54.3	47.4	43.5	38.3	37.2	3
124A	-28.0	76.5	76.5	74.2	71.9	66.2	59.8	53.0	47.2	42.6	38.6	36.3	3
125	-28.0	76.5	76.5	74.7	72.3	69.4	64.6	58.7	53.9	49.2	45.6	40.9	3
126	-28.0	76.5	77.1	75.3	73.6	70.6	67.1	61.8	58.8	54.1	50.0	45.9	3
127	-28.0	76.5	76.5	74.8	74.2	70.7	66.7	63.8	59.7	55.7	51.6	48.1	4
128	-28.0	76.5	76.5	75.4	74.2	70.8	67.9	65.6	61.6	58.1	53.0	48.9	4
129	-28.0	76.5	75.9	74.8	73.1	70.8	67.9	64.4	61.6	58.7	54.7	50.7	4
129A	-28.0	76.5	76.5	75.4	74.2	70.8	67.9	64.4	61.6	58.7	54.1	49.5	4

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=
70.8	64.6	57.9	49.9	43.2	38.1	33.6	31.9	27.3	23.4	19.4	16.6	13.8	11.5	9.8	8.1	
71.5	65.9	61.4	54.1	48.5	44.6	40.1	37.3	31.7	27.2	22.7	18.2	16.0	12.6	10.9	9.2	
71.2	65.3	58.8	51.2	43.5	38.8	33.5	31.7	27.6	23.5	20.5	17.0	15.2	12.3	10.5	8.8	
71.9	67.2	62.0	55.7	49.9	45.2	41.8	38.3	32.5	27.3	22.6	18.6	15.7	12.8	9.9	8.7	
70.8	65.1	57.7	49.7	43.5	37.8	33.8	32.1	27.5	23.5	20.1	17.3	14.4	11.6	9.8	8.7	
72.9	68.8	65.8	64.0	51.6	47.4	43.2	39.7	34.3	29.0	24.2	20.1	16.5	13.5	10.6	8.8	
72.0	66.9	61.2	55.6	48.8	44.9	40.3	37.5	32.4	27.3	23.4	18.9	15.5	13.2	11.0	9.3	
71.4	66.3	59.5	52.8	46.6	42.6	37.5	35.3	30.2	26.2	21.7	18.3	14.9	12.7	10.4	8.7	
73.1	69.6	65.0	60.4	54.1	51.2	46.1	42.6	36.9	30.5	25.4	21.4	17.3	13.9	11.6	9.3	
73.6	69.6	66.2	63.3	58.1	54.7	50.1	47.2	39.7	32.3	27.7	21.9	17.9	13.9	11.0	9.3	
73.7	70.8	67.4	64.0	60.5	56.6	52.6	47.4	41.2	33.8	28.6	23.0	19.0	14.4	11.6	9.8	
73.7	71.4	68.0	65.7	61.7	58.8	53.1	49.2	42.3	34.9	28.6	23.5	18.4	14.4	11.6	9.3	
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
74.2	71.3	68.5	64.4	60.4	57.5	52.4	48.4	40.9	34.6	27.7	22.5	18.5	15.0	11.6	9.3	
75.9	67.2	58.5	49.9	41.8	36.0	31.9	30.2	26.1	22.1	19.2	15.7	14.0	12.2	9.9	8.7	
71.3	66.2	60.4	53.5	47.2	42.6	39.2	36.3	31.1	26.0	21.9	18.5	15.0	13.3	10.4	8.7	
71.4	66.3	60.1	53.9	48.2	43.2	38.1	36.4	31.3	26.2	21.7	17.7	14.9	12.7	10.4	8.7	
70.8	64.5	58.3	50.9	44.0	39.5	34.3	32.6	28.6	24.1	20.1	17.3	14.4	12.1	9.8	8.1	
71.4	66.2	60.5	54.3	47.4	43.5	38.3	37.2	30.9	26.4	21.8	18.4	15.0	12.7	9.8	8.7	
71.9	66.2	59.8	53.0	47.2	42.6	38.6	36.3	30.5	26.0	21.9	17.9	15.0	12.2	10.4	8.1	
72.3	69.4	64.6	58.7	53.9	49.2	45.6	40.9	35.5	30.2	26.0	20.7	16.5	14.1	11.8	10.0	
73.6	70.6	67.1	61.8	58.8	54.1	50.0	45.9	38.8	32.9	27.6	22.3	18.2	14.1	11.7	9.9	
74.2	70.7	66.7	63.8	59.7	55.7	51.6	48.1	40.0	33.1	27.9	23.2	18.6	14.5	11.6	9.3	
74.2	70.8	67.9	65.6	61.6	58.1	53.0	48.9	41.5	34.6	28.8	23.7	18.5	15.0	11.6	9.3	
73.1	70.8	67.9	64.4	61.6	58.7	54.7	50.7	41.5	35.7	29.4	23.7	19.1	15.6	12.2	9.9	
74.2	70.8	67.9	64.4	61.6	58.7	54.1	49.5	41.5	34.6	28.8	23.1	18.5	15.0	11.6	9.3	

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
23.4	19.4	16.6	13.8	11.5	9.8	8.1	7.0	6.4	7.0	6.4	6.4	7.0
27.2	22.7	18.2	16.0	12.6	10.9	9.2	7.6	7.0	7.0	7.0	8.1	7.0
23.5	20.5	17.0	15.2	12.3	10.5	8.8	8.2	7.0	7.0	7.0	7.6	7.0
27.3	22.6	18.6	15.7	12.8	9.9	8.7	7.0	6.4	5.8	5.8	6.4	7.0
23.5	20.1	17.3	14.4	11.6	9.8	8.7	7.0	7.0	6.4	6.4	7.0	7.0
29.0	24.2	20.1	16.5	13.5	10.6	8.8	7.6	6.4	6.4	6.4	7.0	7.0
27.3	23.4	18.9	15.5	13.2	11.0	9.3	8.1	7.0	6.4	6.4	7.6	7.0
26.2	21.7	18.3	14.9	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.6	7.0
30.5	25.4	21.4	17.3	13.9	11.6	9.3	8.1	7.0	6.4	6.4	7.6	7.0
32.3	27.7	21.9	17.9	13.9	11.0	9.3	7.6	7.0	5.9	5.9	7.0	7.0
33.8	28.6	23.0	19.0	14.4	11.6	9.8	8.1	7.0	6.4	6.4	7.6	7.0
34.9	28.6	23.5	18.4	14.4	11.6	9.3	7.6	7.0	6.4	6.4	7.0	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
34.6	27.7	22.5	18.5	15.0	11.6	9.3	7.6	6.4	6.4	6.4	7.6	7.6
22.1	19.2	15.7	14.0	12.2	9.9	8.7	7.6	7.0	6.4	6.4	7.6	7.0
26.0	21.9	18.5	15.0	13.3	10.4	8.7	7.6	7.0	6.4	7.0	7.6	7.0
26.2	21.7	17.7	14.9	12.7	10.4	8.7	7.6	6.4	5.9	6.4	7.0	7.0
24.1	20.1	17.3	14.4	12.1	9.8	8.1	7.6	6.4	6.4	6.4	7.6	7.0
26.4	21.8	18.4	15.0	12.7	9.8	8.7	7.6	7.0	6.4	6.4	7.0	7.0
26.0	21.9	17.9	15.0	12.2	10.4	8.1	7.0	6.4	6.4	5.9	7.0	7.0
30.2	26.0	20.7	16.5	14.1	11.8	10.0	8.2	7.6	6.4	7.0	7.6	7.0
32.9	27.6	22.3	18.2	14.1	11.7	9.9	8.2	7.0	6.4	7.0	7.6	7.0
33.1	27.9	23.2	18.6	14.5	11.6	9.3	7.6	7.0	6.4	6.4	7.6	7.0
34.6	28.8	23.7	18.5	15.0	11.6	9.3	7.6	7.0	6.4	6.4	7.6	7.0
35.7	29.4	23.7	19.1	15.6	12.2	9.9	8.1	7.0	7.0	6.4	7.0	7.0
34.6	28.8	23.1	18.5	15.0	11.6	9.3	7.6	6.4	5.9	5.9	7.0	7.0

Table A6 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
130	-22.8	76.5	76.5	73.6	71.3	65.0	58.1	50.7	44.9	39.7	35.7	33.4	2
131	-22.8	76.5	75.3	73.6	71.3	65.5	59.7	53.9	48.1	43.5	39.4	36.5	3
132	-22.8	76.5	75.9	74.2	71.9	66.7	61.4	55.1	49.3	44.6	41.2	38.9	3
133	-22.8	76.5	75.9	73.7	70.2	63.4	56.0	48.0	40.0	35.5	32.1	29.2	2
134	-48.0	76.5	75.9	75.3	75.3	74.7	55.2	46.0	3.75	31.4	28.3	25.3	2
135	-48.0	76.5	73.6	71.3	67.9	61.0	53.5	44.9	36.9	32.3	29.4	26.5	2
136	-48.0	76.5	72.9	72.3	68.8	62.2	54.5	46.8	39.7	34.9	31.4	29.0	2
137	-36.0	76.5	73.6	72.5	68.5	6.9	57.5	51.8	46.1	42.6	39.7	36.3	3
138	-36.0	76.5	73.7	72.5	69.1	63.4	57.1	50.3	43.5	41.2	38.3	33.8	2
139	-48.0	76.5	73.7	72.5	67.5	61.2	52.8	44.3	36.9	35.3	30.7	27.9	2
140	-47.0	76.5	73.6	72.5	69.0	64.4	58.1	55.2	50.1	47.8	43.2	40.3	3
141	-51.0	76.5	74.2	73.0	70.1	66.1	60.9	55.1	51.0	48.1	44.6	40.6	3
142	-45.0	76.5	74.1	73.0	68.3	64.7	55.3	50.6	45.9	42.3	37.0	35.3	3
143	-49.0	76.5	74.1	72.9	68.1	64.5	58.5	49.5	45.9	40.0	37.0	32.2	2
144	-31.0	76.5	73.6	72.4	67.7	61.9	54.3	46.7	40.3	33.9	31.5	29.2	2
144A	-31.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	
145	-51.4	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	
146	-49.0	76.5	73.0	72.4	68.8	63.0	55.9	48.2	42.3	38.8	35.3	32.3	2
147	-46.6	76.5	73.1	71.9	66.7	59.3	50.7	42.0	34.0	28.8	26.0	23.7	2
148	-45.0	76.5	72.4	70.7	65.5	58.5	49.3	41.2	33.6	28.4	26.7	23.8	2
149	-45.0	76.5	72.3	70.6	65.2	58.1	48.0	38.5	30.2	24.8	22.4	20.7	1
149A	-45.0	76.5	70.5	68.8	61.9	49.9	37.9	25.9	16.4	12.1	10.4	10.4	
150	-45.0	76.5	70.2	63.9	56.4	46.6	37.4	29.4	24.8	22.5	21.4	18.5	1
151	-38.0	76.5	70.1	70.1	62.5	54.9	44.4	33.9	25.1	19.3	17.5	16.9	1
152	-38.0	76.5	70.1	70.7	63.8	57.4	48.1	39.4	31.9	26.1	24.4	23.8	2
153	-38.0	76.5	69.0	69.6	61.4	53.9	42.9	32.5	23.2	18.0	16.3	15.1	1

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.3	65.0	58.1	50.7	44.9	39.7	35.7	33.4	28.8	24.2	20.2	16.8	14.5	11.6	9.9	8.7	7.0
.3	65.5	59.7	53.9	48.1	43.5	39.4	36.5	31.3	26.7	22.1	18.0	15.1	12.2	10.5	8.7	7.6
.9	66.7	61.4	55.1	49.3	44.6	41.2	38.9	32.5	27.3	22.6	19.2	15.7	12.2	10.5	8.7	7.6
.2	63.4	56.0	48.0	40.0	35.5	32.1	29.2	25.8	22.4	19.0	16.7	13.8	11.6	9.8	8.7	7.6
.3	74.7	55.2	46.0	3.75	31.4	28.3	25.3	22.9	19.8	17.4	14.9	13.1	11.3	10.0	8.2	8.2
.9	61.0	53.5	44.9	36.9	32.3	29.4	26.5	23.7	20.2	17.3	15.0	13.3	11.0	9.3	8.1	7.0
.8	62.2	54.5	46.8	39.7	34.9	31.4	29.0	24.8	21.9	18.9	15.9	13.5	11.2	9.4	8.2	7.0
.5	6.9	57.5	51.8	46.1	42.6	39.7	36.3	31.1	26.0	22.5	17.9	15.6	12.7	10.4	8.7	7.6
.1	63.4	57.1	50.3	43.5	41.2	38.3	33.8	29.2	25.2	21.2	17.8	15.0	12.7	10.4	8.7	8.1
.5	61.2	52.8	44.3	36.9	35.3	30.7	27.9	24.5	20.6	18.3	15.5	12.7	11.0	9.8	8.1	7.0
.0	64.4	58.1	55.2	50.1	47.8	43.2	40.3	34.6	28.3	23.1	19.6	16.8	13.3	11.0	8.7	7.6
.1	66.1	60.9	55.1	51.0	48.1	44.6	40.6	35.4	29.6	24.4	20.9	16.8	14.0	11.1	9.3	8.2
.3	64.7	55.3	50.6	45.9	42.3	37.0	35.3	30.0	24.7	22.3	18.8	14.7	12.3	10.5	9.4	7.6
.1	64.5	58.5	49.5	45.9	40.0	37.0	32.2	26.2	23.8	22.6	17.2	13.6	11.2	9.3	7.6	7.0
.7	61.9	54.3	46.7	40.3	33.9	31.5	29.2	25.7	21.6	18.1	15.8	14.0	11.7	9.9	8.8	7.6
.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.6	7.6	7.0	7.0	7.0
.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
.8	63.0	55.9	48.2	42.3	38.8	35.3	32.3	28.2	23.5	20.5	17.6	14.7	11.7	9.9	8.8	7.6
.7	59.3	50.7	42.0	34.0	28.8	26.0	23.7	20.8	17.9	16.2	13.9	12.2	10.4	9.3	8.1	7.6
.5	58.5	49.3	41.2	33.6	28.4	26.7	23.8	22.1	19.2	16.3	14.0	12.2	10.5	8.7	7.6	7.0
.2	58.1	48.0	38.5	30.2	24.8	22.4	20.7	18.9	16.5	14.7	14.7	12.9	9.4	8.2	7.6	7.0
.9	49.9	37.9	25.9	16.4	12.1	10.4	10.4	8.7	7.9	7.0	7.0	7.0	7.9	7.0	7.0	6.1
.4	46.6	37.4	29.4	24.8	22.5	21.4	18.5	16.2	15.0	13.3	11.6	9.9	8.7	8.1	7.0	7.0
.5	54.9	44.4	33.9	25.1	19.3	17.5	16.9	15.2	14.0	12.3	11.1	10.5	9.3	8.8	7.6	7.6
.8	57.4	48.1	39.4	31.9	26.1	24.4	23.8	20.9	18.0	16.3	14.0	12.2	10.5	9.9	8.2	7.6
.4	53.9	42.9	32.5	23.2	18.0	16.3	15.1	14.0	12.8	12.2	10.5	9.3	8.7	8.2	7.6	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
24.2	20.2	16.8	14.5	11.6	9.9	8.7	7.0	6.4	5.9	5.9	6.4	7.0
26.7	22.1	18.0	15.1	12.2	10.5	8.7	7.6	6.4	6.4	6.4	7.0	7.0
27.3	22.6	19.2	15.7	12.2	10.5	8.7	7.6	6.4	6.4	6.4	7.0	7.0
22.4	19.0	16.7	13.8	11.6	9.8	8.7	7.6	7.0	6.4	6.4	7.6	7.0
19.8	17.4	14.9	13.1	11.3	10.0	8.2	8.2	7.6	7.0	7.0	8.2	7.0
20.2	17.3	15.0	13.3	11.0	9.3	8.1	7.0	7.0	6.4	6.4	7.0	7.0
21.9	18.9	15.9	13.5	11.2	9.4	8.2	7.0	6.4	6.4	6.4	6.4	7.0
26.0	22.5	17.9	15.6	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.0	7.0
25.2	21.2	17.8	15.0	12.7	10.4	8.7	8.1	7.0	7.0	7.0	7.6	7.0
20.6	18.3	15.5	12.7	11.0	9.8	8.1	7.0	6.4	7.0	6.4	7.0	7.0
28.3	23.1	19.6	16.8	13.3	11.0	8.7	7.6	7.0	6.4	6.4	7.0	7.0
29.6	24.4	20.9	16.8	14.0	11.1	9.3	8.2	7.6	7.0	7.0	7.6	7.0
24.7	22.3	18.8	14.7	12.3	10.5	9.4	7.6	7.0	7.0	6.4	7.6	7.0
23.8	22.6	17.2	13.6	11.2	9.3	7.6	7.0	6.4	5.8	5.8	7.0	7.0
21.6	18.1	15.8	14.0	11.7	9.9	8.8	7.6	7.0	7.0	6.4	7.0	7.0
7.6	7.6	7.0	7.6	7.6	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
23.5	20.5	17.6	14.7	11.7	9.9	8.8	7.6	7.0	7.0	7.0	7.0	7.0
17.9	16.2	13.9	12.2	10.4	9.3	8.1	7.6	6.4	6.4	7.0	7.0	7.0
19.2	16.3	14.0	12.2	10.5	8.7	7.6	7.0	7.0	6.4	6.4	7.0	7.0
16.5	14.7	14.7	12.9	9.4	8.2	7.6	7.0	6.4	6.4	6.4	7.0	7.0
7.9	7.0	7.0	7.0	7.9	7.0	7.0	6.1	7.0	7.0	7.0	7.0	7.0
15.0	13.3	11.6	9.9	8.7	8.1	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14.0	12.3	11.1	10.5	9.3	8.8	7.6	7.6	7.0	7.0	7.0	7.6	7.0
18.0	16.3	14.0	12.2	10.5	9.9	8.2	7.6	7.6	7.0	7.0	7.6	7.0
12.8	12.2	10.5	9.3	8.7	8.2	7.6	7.0	6.4	6.4	6.4	7.0	7.0

Table A6 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
154	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
155	-38.0	76.5	68.6	69.7	61.2	52.8	42.6	33.0	24.0	18.9	17.2	16.0	14.9
156	-38.0	76.5	68.3	69.5	59.0	52.6	43.8	38.0	29.8	25.7	22.8	22.8	18.7
157	-31.0	76.5	67.7	70.0	61.2	54.1	44.1	35.3	26.4	21.7	20.5	18.8	17.6
158	-31.0	76.5	67.3	70.8	61.6	54.1	44.3	35.1	27.1	21.9	20.2	19.6	17.9
159	5.0	76.5	68.0	70.8	61.1	54.3	45.2	35.5	27.5	22.4	20.7	20.1	17.8
160	5.0	7.0	1.8	4.7	4.7	4.1	4.7	4.1	5.8	20.9	20.9	19.7	18.0
161	-31.0	7.0	1.3	-3.2	-6.7	-10.6	-9.5	-5.5	4.2	15.0	17.8	17.2	15.5
162	-31.0	7.0	0.5	-3.9	-8.5	-11.4	-10.3	-6.2	4.1	19.1	19.1	18.5	16.8
163	-31.0	7.0	1.1	-4.8	-7.7	-11.9	-11.9	-6.0	5.2	20.5	18.8	18.2	15.8
164	-31.0	7.0	0.7	-3.9	-7.3	-12.5	-13.6	-3.9	8.7	20.2	18.5	17.9	16.2
165	-31.0	7.0	0.5	-1.8	-5.9	-8.3	-11.2	-3.0	12.3	19.3	18.2	17.6	16.4
166	-31.0	7.0	2.9	-1.1	-2.9	-7.0	0.6	5.3	15.1	19.2	18.0	18.0	15.7
167	-31.0	7.0	5.8	4.0	-1.9	-2.5	8.2	14.1	15.9	18.3	17.1	17.1	15.3
167A	-31.0	7.0	7.6	5.2	-6.0	-3.6	-0.1	18.2	17.6	20.0	18.2	17.6	15.9
168	-28.5	7.0	7.6	9.9	12.2	12.8	11.1	12.8	12.2	12.2	11.6	12.2	11.6
169	-24.0	7.0	7.6	9.9	8.7	13.9	14.4	16.2	17.9	18.4	17.9	17.9	16.2
170	-21.0	7.0	6.4	9.9	7.0	13.9	16.2	16.2	19.1	20.3	19.7	19.1	16.8
171	-27.0	7.0	7.0	8.2	8.2	6.4	3.5	4.7	2.9	1.8	2.9	3.5	2.9
172	-27.0	7.0	7.6	9.9	12.2	15.6	17.9	23.7	24.2	24.2	23.7	22.5	19.1
173	-27.0	7.0	7.0	8.2	7.6	6.4	5.3	3.5	1.2	0.0	0.0	0.0	1.8
174	-27.0	7.0	7.6	10.5	13.3	16.2	20.3	25.5	26.6	26.6	25.5	23.7	20.3
175	-27.0	7.0	7.6	8.7	8.2	5.8	5.3	5.8	4.1	3.0	3.5	3.5	4.1
176	-27.0	7.0	8.7	11.1	15.1	16.9	22.7	26.2	27.4	27.9	26.2	23.3	21.5
177	-34.0	7.0	7.6	9.3	9.9	12.3	12.3	15.8	18.1	17.5	15.8	15.8	14.0
178	-34.0	7.0	7.0	7.7	7.7	8.4	9.0	8.4	8.4	8.4	9.0	9.0	8.4

5	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	52.8	42.6	33.0	24.0	18.9	17.2	16.0	14.9	13.8	12.1	11.5	10.4	9.3	8.7	8.1	7.6
0	52.6	43.8	38.0	29.8	25.7	22.8	22.8	18.7	14.6	14.6	9.3	8.8	10.5	9.9	8.2	7.6
2	54.1	44.1	35.3	26.4	21.7	20.5	18.8	17.6	15.2	14.1	11.7	11.1	9.4	8.8	8.2	7.6
6	54.1	44.3	35.1	27.1	21.9	20.2	19.6	17.9	16.2	14.5	12.2	11.6	9.9	8.7	8.1	7.6
	54.3	45.2	35.5	27.5	22.4	20.7	20.1	17.8	15.5	14.4	12.1	11.0	9.8	8.7	8.1	7.6
7	4.1	4.7	4.1	5.8	20.9	20.9	19.7	18.0	15.7	14.0	12.8	11.1	10.5	8.7	9.3	7.6
7	-10.6	-9.5	-5.5	4.2	15.0	17.8	17.2	15.5	13.8	12.7	11.6	10.4	9.8	8.7	8.1	7.6
5	-11.4	-10.3	-6.2	4.1	19.1	19.1	18.5	16.8	15.1	13.3	11.6	10.5	9.3	8.7	7.6	7.0
7	-11.9	-11.9	-6.0	5.2	20.5	18.8	18.2	15.8	14.7	12.9	11.1	10.5	9.4	8.8	8.2	7.6
8	-12.5	-13.6	-3.9	8.7	20.2	18.5	17.9	16.2	14.4	12.2	11.6	10.4	9.3	8.7	8.1	7.0
9	-8.3	-11.2	-3.0	12.3	19.3	18.2	17.6	16.4	14.6	12.9	11.7	10.5	9.9	9.3	8.2	7.6
9	-7.0	0.6	5.3	15.1	19.2	18.0	18.0	15.7	14.0	12.2	11.1	10.5	9.3	8.7	8.2	7.6
9	-2.5	8.2	14.1	15.9	18.3	17.1	17.1	15.3	14.1	12.3	10.6	10.0	8.8	8.8	7.6	7.0
0	-3.6	-0.1	18.2	17.6	20.0	18.2	17.6	15.9	14.7	12.3	11.7	10.0	9.4	8.2	8.2	7.0
2	12.8	11.1	12.8	12.2	12.2	11.6	12.2	11.6	11.1	9.8	9.3	9.3	8.7	8.2	7.6	7.6
7	13.9	14.4	16.2	17.9	18.4	17.9	17.9	16.2	13.9	12.7	11.6	10.4	9.3	8.7	8.1	7.6
0	13.9	16.2	16.2	19.1	20.3	19.7	19.1	16.8	15.1	13.4	12.2	11.0	8.7	8.7	8.2	7.0
2	6.4	3.5	4.7	2.9	1.8	2.9	3.5	2.9	4.7	5.3	5.8	5.8	6.4	6.4	6.4	6.4
2	15.6	17.9	23.7	24.2	24.2	23.7	22.5	19.1	17.3	15.0	12.7	11.0	9.9	8.7	7.6	7.0
6	6.4	5.3	3.5	1.2	0.0	0.0	0.0	1.8	3.5	4.1	4.7	5.3	5.8	6.4	6.4	6.4
8	16.2	20.3	25.5	26.6	26.6	25.5	23.7	20.3	18.5	16.2	13.9	11.6	10.5	9.3	8.2	7.6
2	5.8	5.3	5.8	4.1	3.0	3.5	3.5	4.1	6.4	5.8	6.4	6.4	7.0	6.4	7.0	7.0
1	16.9	22.7	26.2	27.4	27.9	26.2	23.3	21.5	19.2	16.9	15.1	12.8	11.1	9.9	9.3	8.2
9	12.3	12.3	15.8	18.1	17.5	15.8	15.8	14.0	12.8	12.3	10.5	9.9	8.8	8.2	7.6	7.0
7	8.4	9.0	8.4	8.4	8.4	9.0	9.0	8.4	7.7	8.4	7.7	7.7	7.7	7.7	7.7	7.7

300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
—	—	—	—	—	—	—	—	—	—	—	—	—
3.8	12.1	11.5	10.4	9.3	8.7	8.1	7.6	7.0	7.0	7.0	7.6	7.0
4.6	14.6	9.3	8.8	10.5	9.9	8.2	7.6	7.0	7.6	7.0	7.6	7.0
5.2	14.1	11.7	11.1	9.4	8.8	8.2	7.6	6.4	7.0	7.0	7.0	7.0
6.2	14.5	12.2	11.6	9.9	8.7	8.1	7.6	7.6	7.6	7.0	7.6	7.0
5.5	14.4	12.1	11.0	9.8	8.7	8.1	7.6	7.0	7.0	7.0	7.0	7.0
5.7	14.0	12.8	11.1	10.5	8.7	9.3	7.6	7.6	7.0	7.6	7.0	7.6
3.8	12.7	11.6	10.4	9.8	8.7	8.1	7.6	7.6	7.0	7.0	7.0	7.6
5.1	13.3	11.6	10.5	9.3	8.7	7.6	7.0	7.0	7.0	7.0	7.0	7.0
4.7	12.9	11.1	10.5	9.4	8.8	8.2	7.6	7.0	6.4	7.0	7.0	7.0
4.4	12.2	11.6	10.4	9.3	8.7	8.1	7.0	7.0	6.4	7.0	7.6	6.4
4.6	12.9	11.7	10.5	9.9	9.3	8.2	7.6	7.6	7.0	7.0	7.0	7.0
4.0	12.2	11.1	10.5	9.3	8.7	8.2	7.6	7.0	7.0	7.0	7.0	7.0
4.1	12.3	10.6	10.0	8.8	8.8	7.6	7.0	7.0	7.0	7.0	7.0	7.0
4.7	12.3	11.7	10.0	9.4	8.2	8.2	7.0	7.0	7.0	6.4	7.0	7.0
1.1	9.8	9.3	9.3	8.7	8.2	7.6	7.6	7.0	7.0	7.0	7.0	7.6
3.9	12.7	11.6	10.4	9.3	8.7	8.1	7.6	7.6	7.0	7.0	7.0	7.6
5.1	13.4	12.2	11.0	8.7	8.7	8.2	7.0	7.0	6.4	6.4	7.0	7.0
4.7	5.3	5.8	5.8	6.4	6.4	6.4	6.4	6.4	7.0	7.0	7.0	6.4
7.3	15.0	12.7	11.0	9.9	8.7	7.6	7.0	6.4	6.4	6.4	6.4	6.4
3.5	4.1	4.7	5.3	5.8	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.0
8.5	16.2	13.9	11.6	10.5	9.3	8.2	7.6	7.0	7.0	7.0	7.0	7.0
6.4	5.8	6.4	6.4	7.0	6.4	7.0	7.0	7.0	7.5	7.0	7.0	7.6
9.2	16.9	15.1	12.8	11.1	9.9	9.3	8.2	7.6	7.6	7.6	7.6	7.6
2.8	12.3	10.5	9.9	8.8	8.2	7.6	7.0	7.0	7.0	6.4	7.0	6.4
7.7	8.4	7.7	7.7	7.7	7.7	7.7	7.7	7.0	7.0	7.0	7.0	7.0

Table A6 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
179	-34.0	7.0	8.2	8.7	11.1	12.2	15.1	16.3	17.4	17.4	16.3	16.3	14.
180	-34.0	7.0	8.7	9.9	11.7	15.1	17.5	20.4	21.5	21.5	19.8	19.8	17.
181	-34.0	7.0	7.0	8.7	11.6	15.6	17.3	21.3	23.6	22.4	20.7	19.6	17.
182	-31.8	7.0	7.6	9.3	10.5	15.2	17.5	19.9	20.4	22.8	22.2	16.9	14.
183	-31.8	7.0	8.2	8.8	11.1	12.9	17.0	17.0	22.3	28.2	21.7	23.5	21.
184	-31.8	7.0	8.1	8.7	11.6	12.7	19.6	20.2	19.1	23.1	21.9	18.5	18.
185	-31.8	7.0	7.0	8.3	9.7	14.4	13.0	19.1	17.7	19.1	15.7	15.0	15.
186	-27.0	7.0	7.0	7.0	7.6	5.2	1.7	1.1	-1.8	-2.4	-1.3	-0.1	1.
187	-27.0	7.0	8.2	10.5	12.8	15.7	18.0	22.6	24.3	24.9	23.8	22.0	20.
188	-34.0	7.0	7.6	9.3	9.8	11.0	11.5	12.7	13.2	12.7	13.2	13.2	11.
189	-34.0	—	—	—	—	—	—	—	—	—	—	—	—
190	-34.0	7.0	7.6	9.3	9.8	11.5	11.5	12.7	13.3	11.5	12.1	12.7	11.
191	-34.0	7.0	7.5	9.0	10.1	12.6	14.7	16.2	17.8	17.8	18.3	17.2	14.
192	-34.0	7.0	7.6	8.7	11.1	12.8	15.7	16.3	18.7	20.4	17.5	15.7	14.

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.1	12.2	15.1	16.3	17.4	17.4	16.3	16.3	14.5	13.4	12.2	11.1	9.9	9.3	8.2	7.6	7.6
.7	15.1	17.5	20.4	21.5	21.5	19.8	19.8	17.5	15.7	14.0	12.2	11.1	10.5	8.7	8.2	7.6
.6	15.6	17.3	21.3	23.6	22.4	20.7	19.6	17.9	15.0	15.0	12.7	11.0	9.9	8.1	7.6	7.6
.5	15.2	17.5	19.9	20.4	22.8	22.2	16.9	14.6	12.3	12.8	10.5	9.3	9.3	8.2	7.6	7.6
.1	12.9	17.0	17.0	22.3	28.2	21.7	23.5	21.1	15.2	10.5	12.3	9.4	9.9	9.9	8.2	7.0
.6	12.7	19.6	20.2	19.1	23.1	21.9	18.5	18.5	17.3	13.3	11.6	11.0	10.4	8.7	8.7	7.6
.7	14.4	13.0	19.1	17.7	19.1	15.7	15.0	15.7	13.0	12.4	11.0	10.4	9.7	8.3	8.3	7.7
.6	5.2	1.7	1.1	-1.8	-2.4	-1.3	-0.1	1.7	2.9	2.9	4.6	5.2	6.4	6.4	7.0	7.0
.8	15.7	18.0	22.6	24.3	24.9	23.8	22.0	20.3	17.4	15.1	13.4	11.6	10.5	9.3	8.2	7.6
.8	11.0	11.5	12.7	13.2	12.7	13.2	13.2	11.5	11.5	8.7	9.3	8.7	8.7	8.1	7.6	7.0
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.8	11.5	11.5	12.7	13.3	11.5	12.1	12.7	11.0	10.4	9.8	9.3	8.7	8.1	8.1	7.6	7.0
.1	12.6	14.7	16.2	17.8	17.8	18.3	17.2	14.7	13.7	12.6	11.6	10.1	9.6	8.5	7.5	7.5
.1	12.8	15.7	16.3	18.7	20.4	17.5	15.7	14.6	13.4	11.1	10.5	9.3	8.7	8.2	7.0	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
13.4	12.2	11.1	9.9	9.3	8.2	7.6	7.6	7.0	7.6	7.0	7.0	7.0
15.7	14.0	12.2	11.1	10.5	8.7	8.2	7.6	7.0	7.0	7.0	7.0	7.0
15.0	15.0	12.7	11.0	9.9	8.1	7.6	7.6	6.4	7.0	6.4	6.4	6.4
12.3	12.8	10.5	9.3	9.3	8.2	7.6	7.6	7.0	6.4	7.0	7.0	6.4
15.2	10.5	12.3	9.4	9.9	9.9	8.2	7.0	7.6	7.0	7.0	7.0	7.0
17.3	13.3	11.6	11.0	10.4	8.7	8.7	7.6	7.6	7.6	7.0	7.6	7.6
13.0	12.4	11.0	10.4	9.7	8.3	8.3	7.7	7.0	7.7	7.7	7.0	7.7
2.9	2.9	4.6	5.2	6.4	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0
17.4	15.1	13.4	11.6	10.5	9.3	8.2	7.6	7.6	7.0	7.0	7.0	7.0
11.5	8.7	9.3	8.7	8.7	8.1	7.6	7.0	7.0	6.4	7.0	7.0	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
10.4	9.8	9.3	8.7	8.1	8.1	7.6	7.0	7.0	7.0	7.0	7.0	7.0
13.7	12.6	11.6	10.1	9.6	8.5	7.5	7.5	7.0	7.0	7.0	7.0	7.0
13.4	11.1	10.5	9.3	8.7	8.2	7.0	7.0	7.0	7.0	7.0	7.0	6.4

Table A7
H-H Pattern System Average Piezometer Reading During Emptying Operation, Type 2 S
Normal Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
UP	—	76.5	76.5	76.5	76.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5	76.
LC	—	76.5	76.5	76.5	75.4	75.4	74.8	73.7	72.5	71.4	68.0	64.5	55.
LP	—	7.0	7.0	7.0	7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.6	7.
14	-53.0	76.5	75.9	74.8	74.8	73.1	71.9	69.0	66.2	63.3	56.4	49.5	38.
15	-46.0	76.5	76.5	74.8	74.8	73.1	71.9	69.7	66.8	64.0	56.6	50.3	38.
16	-3.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	76.5	76.5	75.9	76.
17	-3.0	76.5	75.9	73.7	74.8	73.1	71.5	69.2	66.4	63.6	56.9	49.6	38.
18	-39.0	76.5	76.5	74.8	74.8	73.1	71.5	69.8	67.0	63.6	56.9	50.2	38.
19	-38.4	76.5	76.5	74.2	74.8	72.5	72.0	69.2	66.9	64.1	56.7	49.9	38.
20	-37.7	76.5	76.5	75.2	75.2	72.7	72.1	70.8	68.3	64.5	56.9	50.6	48.
21	-37.7	76.5	76.5	74.8	74.8	73.1	71.9	69.7	67.4	64.0	56.6	50.3	38.
22	-37.0	76.5	76.5	74.2	75.3	73.0	71.8	68.9	66.6	63.7	56.6	49.6	38.
23	-36.0	76.5	76.5	74.8	75.4	73.1	71.9	69.7	66.8	64.5	57.1	49.7	38.
24	-35.0	76.5	76.5	74.2	74.8	73.1	71.4	69.2	66.3	63.5	57.3	49.9	38.
25	-33.5	76.5	76.5	74.8	74.8	72.5	71.9	69.7	66.8	64.0	57.1	49.7	38.
26	-32.0	76.5	76.5	74.2	74.8	72.5	71.4	69.2	66.3	64.1	56.7	49.4	39.
27	-31.0	76.5	76.5	74.2	74.8	72.5	71.3	69.0	66.7	63.3	56.4	48.9	38.
27A	-31.0	76.5	76.5	74.2	74.8	73.1	71.4	69.1	66.2	63.4	56.0	49.2	38.
28	-42.0	76.5	75.9	74.2	74.2	72.4	71.2	68.9	66.6	63.7	56.6	49.6	38.
29	-42.0	76.5	76.5	74.2	74.8	72.5	71.4	69.2	66.3	64.1	57.3	49.9	38.
30	-42.0	76.5	76.5	74.2	75.4	72.5	71.4	69.1	66.2	63.4	56.6	49.2	37.
31	-42.0	76.5	75.9	74.2	74.8	72.4	71.9	69.0	66.1	63.2	56.8	49.3	38.
32	-53.0	76.5	76.5	74.2	74.8	73.1	71.4	69.2	66.3	64.1	56.7	49.4	38.
33	-53.0	76.5	75.9	74.2	74.2	72.5	71.4	69.1	66.2	64.0	57.1	49.7	38.
34	-53.0	76.5	76.5	74.8	75.4	73.6	71.9	69.6	67.3	64.4	57.0	50.1	38.

zometer Reading During Emptying Operation, Type 2 System, Lift 69.5 ft, Valve Speed 4 Min, Upper Pool El 76.5, L

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
6.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
5.4	75.4	74.8	73.7	72.5	71.4	68.0	64.5	55.4	46.3	38.3	31.5	25.2	20.7	16.1	12.1	9.8
7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.6	7.0	7.0	7.6	7.0	7.0	7.6	7.6	7.6	7.0
4.8	73.1	71.9	69.0	66.2	63.3	56.4	49.5	38.6	31.7	27.1	22.5	18.5	15.6	12.7	9.9	8.1
4.8	73.1	71.9	69.7	66.8	64.0	56.6	50.3	38.9	32.1	27.5	23.0	18.4	15.5	12.7	9.8	8.1
6.5	76.5	76.5	76.5	75.9	76.5	76.5	75.9	76.5	76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5
4.8	73.1	71.5	69.2	66.4	63.6	56.9	49.6	38.4	32.2	27.7	23.8	19.3	16.0	13.2	10.4	9.2
4.8	73.1	71.5	69.8	67.0	63.6	56.9	50.2	38.9	32.2	27.7	23.3	18.8	16.0	13.2	10.9	9.2
4.8	72.5	72.0	69.2	66.9	64.1	56.7	49.9	38.6	32.4	27.3	22.8	18.9	15.5	12.7	10.4	8.7
5.2	72.7	72.1	70.8	68.3	64.5	56.9	50.6	48.7	36.7	30.4	24.7	20.9	17.1	13.3	10.8	8.9
4.8	73.1	71.9	69.7	67.4	64.0	56.6	50.3	38.3	32.6	27.5	23.0	19.0	15.5	12.7	10.4	8.7
5.3	73.0	71.8	68.9	66.6	63.7	56.6	49.6	38.5	32.1	26.9	22.8	18.7	15.8	12.3	10.5	8.2
5.4	73.1	71.9	69.7	66.8	64.5	57.1	49.7	38.3	32.6	27.5	23.0	18.4	15.5	12.7	10.4	8.7
4.8	73.1	71.4	69.2	66.3	63.5	57.3	49.9	38.6	32.4	27.9	22.8	18.9	15.5	13.2	10.4	8.7
4.8	72.5	71.9	69.7	66.8	64.0	57.1	49.7	38.3	32.6	27.5	23.5	19.0	16.1	13.8	10.4	9.3
4.8	72.5	71.4	69.2	66.3	64.1	56.7	49.4	39.2	32.4	27.9	23.4	18.9	16.0	13.2	11.0	8.7
4.8	72.5	71.3	69.0	66.7	63.3	56.4	48.9	38.0	32.3	27.1	22.5	18.5	15.6	12.7	9.9	8.1
4.8	73.1	71.4	69.1	66.2	63.4	56.0	49.2	38.3	32.6	26.9	23.0	18.4	15.0	12.1	10.4	8.1
4.2	72.4	71.2	68.9	66.6	63.7	56.6	49.6	38.5	32.1	26.9	22.2	18.7	15.2	12.3	9.9	8.2
4.8	72.5	71.4	69.2	66.3	64.1	57.3	49.9	38.6	32.4	27.3	23.4	19.4	16.0	13.2	11.0	9.3
5.4	72.5	71.4	69.1	66.2	63.4	56.6	49.2	37.8	32.1	26.4	22.4	18.4	15.0	12.7	10.4	8.1
4.8	72.4	71.9	69.0	66.1	63.2	56.8	49.3	38.3	32.5	26.7	22.6	18.6	15.7	12.8	10.5	8.7
4.8	73.1	71.4	69.2	66.3	64.1	56.7	49.4	38.1	32.4	26.8	22.3	18.9	14.9	12.7	9.8	8.7
4.2	72.5	71.4	69.1	66.2	64.0	57.1	49.7	38.9	33.2	27.5	23.0	19.0	25.5	13.3	10.4	8.7
5.4	73.6	71.9	69.6	67.3	64.4	57.0	50.1	38.0	32.8	27.1	23.1	19.1	15.0	12.7	9.9	8.1

em, Lift 69.5 ft, Valve Speed 4 Min, Upper Pool El 76.5, Lower Pool El 7,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
46.3	38.3	31.5	25.2	20.7	16.1	12.1	9.8	7.6	6.4	5.9	7.0	7.0
7.0	7.6	7.0	7.0	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.0	7.0
31.7	27.1	22.5	18.5	15.6	12.7	9.9	8.1	7.0	6.4	6.4	6.4	7.0
32.1	27.5	23.0	18.4	15.5	12.7	9.8	8.1	7.0	6.4	5.9	5.9	7.0
76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	76.5	76.5
32.2	27.7	23.8	19.3	16.0	13.2	10.4	9.2	7.6	7.0	6.4	7.6	7.0
32.2	27.7	23.3	18.8	16.0	13.2	10.9	9.2	7.6	7.0	6.4	7.0	7.0
32.4	27.3	22.8	18.9	15.5	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.0
36.7	30.4	24.7	20.9	17.1	13.3	10.8	8.9	7.6	6.4	6.4	6.4	7.0
32.6	27.5	23.0	19.0	15.5	12.7	10.4	8.7	7.6	6.4	5.9	7.0	7.0
32.1	26.9	22.8	18.7	15.8	12.3	10.5	8.2	7.0	7.0	6.4	7.0	7.0
32.6	27.5	23.0	18.4	15.5	12.7	10.4	8.7	7.6	6.4	6.4	7.0	7.0
32.4	27.9	22.8	18.9	15.5	13.2	10.4	8.7	7.6	7.0	6.4	7.0	7.0
32.6	27.5	23.5	19.0	16.1	13.8	10.4	9.3	8.1	7.6	7.0	7.6	7.0
32.4	27.9	23.4	18.9	16.0	13.2	11.0	8.7	7.6	7.0	6.4	7.6	7.0
32.3	27.1	22.5	18.5	15.6	12.7	9.9	8.1	7.0	6.4	5.9	5.9	7.0
32.6	26.9	23.0	18.4	15.0	12.1	10.4	8.1	7.0	6.4	6.4	6.4	7.0
32.1	26.9	22.2	18.7	15.2	12.3	9.9	8.2	7.0	5.8	5.8	6.4	7.0
32.4	27.3	23.4	19.4	16.0	13.2	11.0	9.3	7.6	7.0	7.0	7.0	7.0
32.1	26.4	22.4	18.4	15.0	12.7	10.4	8.1	7.0	5.9	5.9	6.4	7.0
32.5	26.7	22.6	18.6	15.7	12.8	10.5	8.7	7.6	6.4	5.8	6.4	7.0
32.4	26.8	22.3	18.9	14.9	12.7	9.8	8.7	7.0	6.4	6.4	6.4	7.0
33.2	27.5	23.0	19.0	25.5	13.3	10.4	8.7	7.6	6.4	7.0	7.0	7.0
32.8	27.1	23.1	19.1	15.0	12.7	9.9	8.1	7.0	6.4	5.9	7.0	7.0

Table A7 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
35	-53.0	76.5	76.5	74.8	74.8	73.1	71.4	69.1	66.2	63.4	57.1	49.7	3
36	-53.0	76.5	76.5	74.7	75.3	74.1	72.9	69.9	68.7	65.7	59.7	52.5	4
36A	-53.0	76.5	76.5	74.8	74.8	72.5	71.3	69.0	66.7	63.9	56.4	49.5	3
37	-48.0	76.5	76.5	75.4	75.4	73.1	71.9	69.6	67.3	63.9	57.5	50.1	3
38	-36.0	76.5	75.9	74.2	75.4	73.1	71.9	69.7	66.8	63.4	57.1	49.7	3
39	-48.0	76.5	76.5	74.8	74.8	73.0	71.9	69.6	66.7	63.8	56.8	49.3	3
40	-36.0	76.5	75.9	74.8	74.8	72.5	70.8	69.1	66.2	63.4	56.0	48.6	3
41	-36.0	76.5	76.5	74.2	74.2	72.5	70.8	68.6	66.3	62.9	55.6	48.2	3
42	-36.0	76.5	75.9	74.2	74.7	72.4	71.2	68.3	65.4	62.5	55.5	47.3	3
43	-33.0	76.5	76.5	75.9	75.2	74.6	73.3	72.0	70.0	70.0	68.7	49.2	3
44	-37.0	76.5	75.9	74.2	73.7	71.4	70.3	67.5	63.5	59.5	51.1	41.5	2
45	-39.0	76.5	76.5	74.8	75.9	73.0	71.3	69.6	66.1	63.2	55.1	48.1	3
46	-35.0	76.5	75.9	74.2	74.8	72.5	70.8	68.5	66.2	63.4	54.9	49.7	3
47	-35.0	76.5	76.5	74.8	74.8	73.7	71.4	69.1	66.8	64.0	56.0	49.2	3
48	-36.0	76.5	76.5	74.8	75.4	73.6	72.5	70.2	67.9	65.6	59.3	52.4	4
49	-36.0	76.5	75.9	74.2	74.8	73.1	71.9	69.7	67.4	64.5	58.8	52.0	4
50	-31.0	76.5	76.5	74.8	75.4	73.1	72.0	69.8	67.0	64.2	56.9	50.7	3
51	-42.0	76.5	77.1	74.8	75.3	73.6	72.4	70.1	67.8	65.5	59.1	52.2	4
52	-27.8	76.5	76.5	74.8	75.4	73.1	71.9	69.6	67.3	63.9	57.0	50.1	3
53	-49.5	76.5	76.5	75.4	74.8	73.1	72.5	69.6	67.9	65.6	58.7	52.4	4
54	-21.6	76.5	75.4	74.2	74.8	72.5	71.3	69.6	67.3	65.0	58.7	52.4	4
55	-41.6	76.5	76.5	74.2	74.7	73.0	71.8	69.5	67.2	64.8	57.8	51.4	4
56	-17.5	76.5	76.5	75.3	74.7	73.0	72.4	70.1	67.7	65.4	58.4	52.0	4
57	-35.2	76.5	75.9	74.2	74.8	72.5	71.9	69.1	66.8	64.0	57.1	50.3	3
58	-31.3	76.5	75.9	75.3	74.8	73.6	71.9	69.6	67.8	64.9	58.5	51.6	4
59	-31.3	76.5	76.5	75.4	75.4	73.6	72.5	70.2	67.9	65.0	58.1	51.8	4

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.8	73.1	71.4	69.1	66.2	63.4	57.1	49.7	38.3	32.6	26.9	23.0	19.0	15.5	12.7	10.4	8.1
.3	74.1	72.9	69.9	68.7	65.7	59.7	52.5	40.0	33.4	28.0	23.8	19.6	16.0	13.0	10.6	8.8
.8	72.5	71.3	69.0	66.7	63.9	56.4	49.5	38.6	32.3	27.1	23.1	18.5	15.6	12.7	10.4	8.1
.4	73.1	71.9	69.6	67.3	63.9	57.5	50.1	39.2	32.8	27.1	23.1	19.1	15.6	12.2	10.4	8.7
.4	73.1	71.9	69.7	66.8	63.4	57.1	49.7	38.3	31.5	27.5	22.4	19.0	15.0	12.7	10.4	8.7
.8	73.0	71.9	69.6	66.7	63.8	56.8	49.3	38.3	31.9	26.7	23.2	18.6	16.3	12.8	10.5	8.7
.8	72.5	70.8	69.1	66.2	63.4	56.0	48.6	37.2	30.9	26.4	22.4	18.4	15.0	12.7	10.4	8.7
.2	72.5	70.8	68.6	66.3	62.9	55.6	48.2	37.5	31.3	26.2	22.3	18.3	15.5	13.2	10.4	8.7
.7	72.4	71.2	68.3	65.4	62.5	55.5	47.3	35.6	29.2	25.7	21.0	17.5	14.6	12.3	9.9	8.2
.2	74.6	73.3	72.0	70.0	70.0	68.7	49.2	34.3	27.8	25.2	22.6	19.3	12.8	10.9	8.3	7.6
.7	71.4	70.3	67.5	63.5	59.5	51.1	41.5	27.3	24.0	21.1	17.2	15.5	12.7	11.0	9.3	7.6
.9	73.0	71.3	69.6	66.1	63.2	55.1	48.1	34.8	29.6	26.1	21.5	18.0	14.5	11.6	9.9	8.2
.8	72.5	70.8	68.5	66.2	63.4	54.9	49.7	36.6	31.5	25.8	21.2	17.8	14.4	12.7	10.4	8.7
.8	73.7	71.4	69.1	66.8	64.0	56.0	49.2	37.2	31.5	26.4	21.8	18.4	15.5	12.7	9.8	8.7
.4	73.6	72.5	70.2	67.9	65.6	59.3	52.4	41.5	35.1	29.4	24.2	20.2	16.8	13.9	11.0	9.3
.8	73.1	71.9	69.7	67.4	64.5	58.8	52.0	41.8	35.5	29.8	24.7	20.1	16.7	13.3	11.0	8.7
.4	73.1	72.0	69.8	67.0	64.2	56.9	50.7	39.5	32.8	27.7	23.3	19.3	16.0	13.2	10.9	8.7
.3	73.6	72.4	70.1	67.8	65.5	59.1	52.2	41.2	34.8	29.6	23.8	20.3	16.3	13.4	11.1	8.7
.4	73.1	71.9	69.6	67.3	63.9	57.0	50.1	39.7	33.4	28.3	23.1	19.1	15.6	12.7	10.4	8.7
.8	73.1	72.5	69.6	67.9	65.6	58.7	52.4	42.0	35.1	29.4	24.8	20.2	16.8	13.3	11.0	8.7
.8	72.5	71.3	69.6	67.3	65.0	58.7	52.4	41.5	34.6	28.8	23.7	19.6	15.6	12.7	10.4	8.7
.7	73.0	71.8	69.5	67.2	64.8	57.8	51.4	41.5	33.9	29.2	24.5	19.8	16.3	13.4	11.1	8.8
.7	73.0	72.4	70.1	67.7	65.4	58.4	52.0	40.9	34.4	29.2	24.5	20.4	16.3	13.4	10.5	8.8
.8	72.5	71.9	69.1	66.8	64.0	57.1	50.3	38.9	32.6	27.5	23.0	19.0	15.5	12.7	10.4	8.1
.8	73.6	71.9	69.6	67.8	64.9	58.5	51.6	41.2	34.2	29.0	24.4	19.7	16.3	12.8	10.5	8.7
.4	73.6	72.5	70.2	67.9	65.0	58.1	51.8	40.9	34.0	28.8	24.2	19.6	15.6	12.7	10.4	8.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
32.6	26.9	23.0	19.0	15.5	12.7	10.4	8.1	7.6	7.0	6.4	6.4	7.0
33.4	28.0	23.8	19.6	16.0	13.0	10.6	8.8	7.6	6.4	6.4	7.0	7.0
32.3	27.1	23.1	18.5	15.6	12.7	10.4	8.1	7.0	5.9	5.9	6.4	7.0
32.8	27.1	23.1	19.1	15.6	12.2	10.4	8.7	7.6	6.4	6.4	7.0	7.0
31.5	27.5	22.4	19.0	15.0	12.7	10.4	8.7	7.6	6.4	6.4	7.0	7.0
31.9	26.7	23.2	18.6	16.3	12.8	10.5	8.7	7.6	6.4	6.4	7.0	7.0
30.9	26.4	22.4	18.4	15.0	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.0
31.3	26.2	22.3	18.3	15.5	13.2	10.4	8.7	7.6	7.0	7.0	6.4	7.0
29.2	25.7	21.0	17.5	14.6	12.3	9.9	8.2	7.6	7.0	5.8	6.4	7.0
27.8	25.2	22.6	19.3	12.8	10.9	8.3	7.6	7.0	6.4	5.7	7.0	7.0
24.0	21.1	17.2	15.5	12.7	11.0	9.3	7.6	7.0	7.0	6.4	7.0	7.0
29.6	26.1	21.5	18.0	14.5	11.6	9.9	8.2	7.6	6.4	6.4	6.4	7.0
31.5	25.8	21.2	17.8	14.4	12.7	10.4	8.7	7.6	7.0	6.4	7.0	7.0
31.5	26.4	21.8	18.4	15.5	12.7	9.8	8.7	7.6	6.4	6.4	6.4	7.0
35.1	29.4	24.2	20.2	16.8	13.9	11.0	9.3	7.6	7.0	6.4	7.0	7.0
35.5	29.8	24.7	20.1	16.7	13.3	11.0	8.7	7.6	7.0	6.4	7.0	7.0
32.8	27.7	23.3	19.3	16.0	13.2	10.9	8.7	7.6	7.0	6.4	7.0	7.0
34.8	29.6	23.8	20.3	16.3	13.4	11.1	8.7	7.6	6.4	6.4	7.0	7.0
33.4	28.3	23.1	19.1	15.6	12.7	10.4	8.7	7.0	6.4	6.4	6.4	7.0
35.1	29.4	24.8	20.2	16.8	13.3	11.0	8.7	7.6	6.4	5.9	7.0	7.0
34.6	28.8	23.7	19.6	15.6	12.7	10.4	8.7	7.0	6.4	6.4	6.4	7.0
33.9	29.2	24.5	19.8	16.3	13.4	11.1	8.8	8.2	6.4	7.0	7.0	7.0
34.4	29.2	24.5	20.4	16.3	13.4	10.5	8.8	7.6	6.4	5.8	7.0	7.0
32.6	27.5	23.0	19.0	15.5	12.7	10.4	8.1	7.0	7.0	5.9	7.0	7.0
34.2	29.0	24.4	19.7	16.3	12.8	10.5	8.7	7.6	6.4	6.4	7.0	7.0
34.0	28.8	24.2	19.6	15.6	12.7	10.4	8.7	7.0	6.4	6.4	7.0	7.0

Table A7 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
60	-23.1	76.5	76.5	74.8	74.8	73.6	71.3	69.6	67.2	63.8	56.8	49.3	3
61	-23.1	76.5	76.5	75.9	75.3	74.1	73.0	71.2	68.8	66.5	60.6	54.7	4
62	-22.8	76.5	75.9	75.3	74.8	73.6	71.9	69.6	66.7	63.8	56.8	49.3	3
63	-22.8	76.5	75.9	74.8	75.4	73.6	72.5	70.8	68.5	66.2	60.4	53.5	4
64	-22.4	76.5	75.9	75.4	74.8	73.1	71.9	69.7	66.8	63.4	56.6	48.6	3
65	-22.4	76.5	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.4	60.9	54.3	4
66	-28.0	76.5	76.5	75.9	75.3	74.2	73.0	71.3	69.0	66.1	59.7	53.3	4
66A	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
67	-28.0	76.5	75.9	75.3	74.7	74.1	73.5	71.7	69.9	68.7	62.7	57.3	4
68	-28.0	76.5	77.1	76.5	76.5	75.9	75.3	74.6	74.0	73.4	71.5	65.3	5
69	-28.0	76.5	76.5	76.5	75.9	75.3	74.7	73.4	71.6	70.3	66.0	60.5	5
70	-28.0	76.5	75.9	75.9	75.4	74.8	73.6	71.9	70.8	68.5	64.4	59.3	4
71	-28.0	76.5	74.8	74.8	74.8	73.7	72.5	70.8	69.7	68.0	64.1	59.0	4
71A	-28.0	76.5	75.4	75.9	75.4	74.2	73.1	71.4	70.3	68.6	63.5	59.0	4
72	-28.0	76.5	76.5	75.4	74.8	73.6	71.9	70.2	67.9	65.0	58.7	52.4	4
73	-23.5	76.5	75.9	75.4	74.8	73.1	71.3	68.5	66.7	62.7	55.2	47.2	3
74	-23.5	76.5	76.5	75.4	75.4	73.6	71.9	69.0	66.7	63.9	57.0	50.1	3
75	-22.8	76.5	77.1	76.5	75.9	74.2	73.0	71.2	68.3	65.4	59.0	58.1	4
76	-28.0	76.5	77.1	75.9	75.3	73.6	72.4	70.7	68.4	65.5	59.1	53.3	4
76A	-28.0	76.5	76.5	75.9	75.4	74.2	72.5	70.8	68.5	66.2	59.3	53.0	4
77	-28.0	76.5	76.5	75.4	74.8	73.7	72.5	70.8	69.1	66.8	61.1	54.9	4
78	-28.0	76.5	76.5	75.4	75.9	74.8	74.2	71.9	70.8	67.9	63.3	57.0	4
79	-28.0	76.5	77.1	75.9	75.9	74.7	74.1	73.0	71.2	69.4	64.7	59.4	5
80	-28.0	76.5	77.1	76.5	75.9	75.3	74.2	73.0	70.7	68.9	64.8	60.1	5
81	-28.0	76.5	76.5	76.5	75.9	74.8	73.6	72.4	70.7	69.0	64.3	59.7	5
81A	-28.0	76.5	75.9	75.9	75.4	74.2	73.7	72.5	70.8	68.5	64.5	60.0	4

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.8	73.6	71.3	69.6	67.2	63.8	56.8	49.3	38.3	32.5	27.3	22.6	18.6	15.1	12.2	10.5	8.2
.3	74.1	73.0	71.2	68.8	66.5	60.6	54.7	44.7	37.0	31.1	25.3	20.5	16.4	13.5	11.1	8.8
.8	73.6	71.9	69.6	66.7	63.8	56.8	49.3	38.3	32.5	26.7	22.6	18.6	15.1	12.2	9.9	8.2
.4	73.6	72.5	70.8	68.5	66.2	60.4	53.5	43.8	36.3	30.5	24.8	21.4	16.8	13.9	11.0	9.3
.8	73.1	71.9	69.7	66.8	63.4	56.6	48.6	37.8	31.5	26.9	22.4	18.4	15.0	12.7	9.8	8.7
.9	75.9	75.9	75.9	75.9	75.4	60.9	54.3	43.7	37.6	31.5	25.3	20.9	17.0	13.1	10.9	8.7
.3	74.2	73.0	71.3	69.0	66.1	59.7	53.3	42.3	35.4	29.6	24.4	20.3	16.3	13.4	10.5	8.2
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.7	74.1	73.5	71.7	69.9	68.7	62.7	57.3	47.7	39.4	33.4	27.4	22.0	17.8	14.2	11.2	8.8
.5	75.9	75.3	74.6	74.0	73.4	71.5	65.3	51.7	43.6	35.5	29.3	23.8	18.8	14.4	11.3	8.9
.9	75.3	74.7	73.4	71.6	70.3	66.0	60.5	51.3	43.3	35.9	29.8	24.2	19.3	15.6	12.5	10.1
.4	74.8	73.6	71.9	70.8	68.5	64.4	59.3	48.9	41.5	34.6	28.3	22.5	17.9	14.5	11.0	8.7
.8	73.7	72.5	70.8	69.7	68.0	64.1	59.0	49.4	41.5	34.1	27.9	22.8	18.3	14.9	11.0	8.7
.4	74.2	73.1	71.4	70.3	68.6	63.5	59.0	49.4	41.5	34.1	28.5	22.8	17.7	13.8	11.0	8.7
.8	73.6	71.9	70.2	67.9	65.0	58.7	52.4	41.5	34.6	29.4	24.2	19.6	16.2	12.2	10.4	8.1
.8	73.1	71.3	68.5	66.7	62.7	55.2	47.2	35.7	29.4	25.4	21.4	17.3	15.0	12.2	9.9	8.1
.4	73.6	71.9	69.0	66.7	63.9	57.0	50.1	39.2	32.8	27.1	23.1	19.1	15.6	12.7	10.4	8.7
.9	74.2	73.0	71.2	68.3	65.4	59.0	58.1	42.0	35.0	29.2	24.5	19.8	16.3	13.4	11.1	8.2
.3	73.6	72.4	70.7	68.4	65.5	59.1	53.3	41.8	34.8	29.0	24.2	19.7	16.3	13.4	10.5	8.2
.4	74.2	72.5	70.8	68.5	66.2	59.3	53.0	42.0	34.6	29.4	24.8	19.6	16.2	13.3	10.4	8.7
.8	73.7	72.5	70.8	69.1	66.8	61.1	54.9	44.0	36.6	30.9	25.8	20.7	16.7	13.8	11.0	8.7
.9	74.8	74.2	71.9	70.8	67.9	63.3	57.0	47.8	39.7	32.8	27.1	22.5	17.3	13.9	11.0	8.7
.9	74.7	74.1	73.0	71.2	69.4	64.7	59.4	50.0	41.8	34.1	28.2	22.9	18.2	14.1	11.1	8.8
.9	75.3	74.2	73.0	70.7	68.9	64.8	60.1	50.2	42.0	34.4	28.6	22.8	18.1	14.0	11.1	8.8
.9	74.8	73.6	72.4	70.7	69.0	64.3	59.7	50.4	41.8	34.8	29.0	23.2	18.6	14.5	11.6	9.3
.4	74.2	73.7	72.5	70.8	68.5	64.5	60.0	49.7	41.8	34.3	28.1	23.0	18.4	15.0	11.0	8.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
32.5	27.3	22.6	18.6	15.1	12.2	10.5	8.2	7.0	5.8	5.8	6.4	7.0
37.0	31.1	25.3	20.5	16.4	13.5	11.1	8.8	7.6	7.0	5.8	6.4	7.0
32.5	26.7	22.6	18.6	15.1	12.2	9.9	8.2	7.6	6.4	6.4	6.4	7.0
36.3	30.5	24.8	21.4	16.8	13.9	11.0	9.3	7.6	6.4	6.4	7.0	7.0
31.5	26.9	22.4	18.4	15.0	12.7	9.8	8.7	7.6	7.0	6.4	7.0	7.0
37.6	31.5	25.3	20.9	17.0	13.1	10.9	8.7	7.6	6.4	6.4	7.0	7.0
35.4	29.6	24.4	20.3	16.3	13.4	10.5	8.2	7.0	5.8	5.3	6.4	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
39.4	33.4	27.4	22.0	17.8	14.2	11.2	8.8	7.6	6.4	6.4	7.0	7.0
43.6	35.5	29.3	23.8	18.8	14.4	11.3	8.9	7.6	6.4	6.4	6.4	7.0
43.3	35.9	29.8	24.2	19.3	15.6	12.5	10.1	8.2	7.6	7.0	7.6	7.0
41.5	34.6	28.3	22.5	17.9	14.5	11.0	8.7	7.0	6.4	5.9	7.0	7.0
41.5	34.1	27.9	22.8	18.3	14.9	11.0	8.7	7.6	6.4	6.4	6.4	7.0
41.5	34.1	28.5	22.8	17.7	13.8	11.0	8.7	7.6	6.4	5.3	6.4	7.0
34.6	29.4	24.2	19.6	16.2	12.2	10.4	8.1	7.0	6.4	5.9	6.4	7.0
29.4	25.4	21.4	17.3	15.0	12.2	9.9	8.1	7.6	6.4	6.4	7.0	7.0
32.8	27.1	23.1	19.1	15.6	12.7	10.4	8.7	7.0	6.4	6.4	7.0	7.0
35.0	29.2	24.5	19.8	16.3	13.4	11.1	8.2	7.6	7.0	5.8	7.0	7.0
34.8	29.0	24.2	19.7	16.3	13.4	10.5	8.2	7.0	6.4	5.8	7.0	7.0
34.6	29.4	24.8	19.6	16.2	13.3	10.4	8.7	7.0	6.4	5.9	7.0	7.0
36.6	30.9	25.8	20.7	16.7	13.8	11.0	8.7	7.6	6.4	6.4	7.0	7.0
39.7	32.8	27.1	22.5	17.3	13.9	11.0	8.7	7.0	5.9	5.9	6.4	7.0
41.8	34.1	28.2	22.9	18.2	14.1	11.1	8.8	7.0	5.8	5.2	6.4	7.0
42.0	34.4	28.6	22.8	18.1	14.0	11.1	8.8	7.0	5.8	5.8	6.4	7.0
41.8	34.8	29.0	23.2	18.6	14.5	11.6	9.3	7.0	6.4	6.4	7.0	7.0
41.8	34.3	28.1	23.0	18.4	15.0	11.0	8.7	7.6	6.4	5.9	6.4	7.0

Table A7 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
82	-22.8	76.5	76.5	75.4	74.8	73.1	71.3	69.0	66.2	63.3	56.4	49.5	39.
83	-22.8	76.5	76.5	74.8	74.8	73.1	71.3	69.6	67.3	63.9	57.5	51.2	40.
84	-22.8	76.5	76.5	75.4	74.8	73.1	71.3	69.0	66.2	62.7	55.8	48.9	38.
85	-22.8	76.5	75.9	74.8	74.8	73.1	71.9	69.7	67.4	64.5	59.4	53.1	42.
86	-25.5	76.5	75.9	76.5	75.4	74.8	74.2	731	71.9	70.8	66.8	63.4	53.
87	-48.0	76.5	76.5	74.8	74.2	71.9	70.8	67.9	64.4	61.0	53.0	45.5	34.
88	-36.0	76.5	75.9	74.2	73.6	70.8	68.5	65.0	61.0	55.8	45.5	36.3	26.
89	-48.0	76.5	75.9	74.2	74.8	72.5	71.3	68.5	66.2	63.3	57.0	50.7	40.
90	-48.0	76.5	75.4	73.7	74.2	71.9	70.8	68.0	65.1	62.3	56.6	49.7	40.
91	-48.0	76.5	75.9	74.2	74.8	71.9	70.8	67.9	64.4	61.6	54.1	46.6	36.
92	-36.0	76.5	75.9	74.2	74.8	71.9	70.8	67.3	63.9	60.4	52.4	44.3	34.
93	-36.0	76.5	75.9	74.8	74.8	71.9	70.2	67.3	64.4	60.4	53.0	44.9	35.
94	-36.0	76.5	75.9	74.2	74.8	72.4	70.7	68.4	64.9	60.9	52.8	44.6	33.
95	-48.0	76.5	76.5	75.9	75.4	74.2	71.9	69.6	66.7	63.9	56.4	48.4	36.
96	-48.0	76.5	75.9	74.2	74.2	72.4	71.3	68.4	65.5	62.0	54.5	47.5	35.
97	-48.0	76.5	75.9	74.8	74.8	72.5	70.8	68.5	65.1	61.7	54.3	46.3	34.
98	-31.0	76.5	77.1	75.4	74.8	73.1	72.5	69.7	67.4	64.5	57.7	50.3	36.
99	-42.0	76.5	75.9	74.6	73.9	72.7	70.8	67.6	65.0	61.2	52.9	44.0	32.
100	-27.8	76.5	76.5	75.9	75.3	74.7	74.1	72.9	72.3	71.2	56.9	46.8	33.
101	-49.5	76.5	75.9	74.8	74.8	73.1	71.3	69.0	65.6	62.1	54.7	46.6	35.
102	-21.6	76.5	75.9	75.3	75.3	73.6	71.2	68.9	66.0	62.5	54.9	47.3	35.
103	-41.6	76.5	76.5	75.3	74.7	72.9	71.1	68.6	65.0	62.0	56.6	53.5	37.
104	-17.5	76.5	76.5	75.9	75.9	74.6	72.7	71.5	69.0	65.9	62.1	60.8	40.
105	-35.2	76.5	76.5	75.4	75.4	73.7	72.5	69.7	66.8	63.4	54.9	46.9	33.
106	-31.3	76.5	76.5	75.3	75.3	74.2	72.4	70.1	67.8	64.3	56.2	48.7	35.
107	-31.3	76.5	75.9	75.4	74.8	74.2	71.9	69.6	67.3	63.9	56.4	47.8	35.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.8	73.1	71.3	69.0	66.2	63.3	56.4	49.5	39.2	32.8	27.7	23.1	19.1	15.6	12.7	10.4	8.7
.8	73.1	71.3	69.6	67.3	63.9	57.5	51.2	40.9	34.6	28.8	23.7	19.6	16.2	12.7	10.4	8.7
.8	73.1	71.3	69.0	66.2	62.7	55.8	48.9	38.0	32.3	27.1	22.5	19.1	15.6	12.2	10.4	8.1
.8	73.1	71.9	69.7	67.4	64.5	59.4	53.1	42.9	36.1	30.4	25.2	20.1	16.7	13.3	11.0	9.3
.4	74.8	74.2	731	71.9	70.8	66.8	63.4	53.7	45.7	37.8	30.4	24.7	19.5	15.0	12.1	9.3
.2	71.9	70.8	67.9	64.4	61.0	53.0	45.5	34.6	29.4	24.2	21.4	17.3	13.3	11.6	9.3	8.1
.6	70.8	68.5	65.0	61.0	55.8	45.5	36.3	26.0	22.5	19.1	16.2	13.9	11.6	9.9	8.7	7.6
.8	72.5	71.3	68.5	66.2	63.3	57.0	50.7	40.3	34.6	28.3	24.2	19.6	15.6	12.7	10.4	8.7
.2	71.9	70.8	68.0	65.1	62.3	56.6	49.7	40.0	33.8	28.1	23.5	19.0	15.5	12.7	10.4	8.1
.8	71.9	70.8	67.9	64.4	61.6	54.1	46.6	36.9	30.5	26.0	21.9	18.5	14.5	12.2	9.9	8.1
.8	71.9	70.8	67.3	63.9	60.4	52.4	44.3	34.6	29.4	24.8	20.2	17.3	13.9	12.2	9.9	8.1
.8	71.9	70.2	67.3	64.4	60.4	53.0	44.9	35.1	29.4	24.8	20.8	17.9	14.5	12.2	9.9	8.1
.8	72.4	70.7	68.4	64.9	60.9	52.8	44.6	33.6	28.4	23.8	20.3	16.8	14.0	11.6	9.3	8.2
.4	74.2	71.9	69.6	66.7	63.9	56.4	48.4	36.9	31.1	26.0	21.9	17.9	15.0	12.7	9.9	8.1
.2	72.4	71.3	68.4	65.5	62.0	54.5	47.5	35.4	29.6	25.5	21.5	18.0	14.5	12.8	9.9	8.7
.8	72.5	70.8	68.5	65.1	61.7	54.3	46.3	34.3	28.6	24.7	20.7	17.8	14.4	12.1	10.4	8.7
.8	73.1	72.5	69.7	67.4	64.5	57.7	50.3	36.6	28.6	23.5	19.5	16.7	13.8	11.6	9.3	8.1
.9	72.7	70.8	67.6	65.0	61.2	52.9	44.0	32.5	28.0	24.2	21.0	18.5	15.9	14.7	12.1	10.2
.3	74.7	74.1	72.9	72.3	71.2	56.9	46.8	33.7	28.4	24.2	20.1	16.5	13.5	11.2	8.8	7.6
.8	73.1	71.3	69.0	65.6	62.1	54.7	46.6	35.7	30.0	26.0	21.9	17.9	15.0	12.2	9.9	8.7
.3	73.6	71.2	68.9	66.0	62.5	54.9	47.3	35.6	30.4	25.7	21.6	18.1	15.2	12.3	10.5	8.8
.7	72.9	71.1	68.6	65.0	62.0	56.6	53.5	37.2	30.6	25.7	21.5	18.5	14.9	11.8	10.0	8.8
.9	74.6	72.7	71.5	69.0	65.9	62.1	60.8	40.2	33.3	28.3	23.3	18.9	15.8	13.3	10.8	8.9
.4	73.7	72.5	69.7	66.8	63.4	54.9	46.9	33.2	28.1	23.5	20.7	17.3	14.4	12.1	9.8	8.1
.3	74.2	72.4	70.1	67.8	64.3	56.2	48.7	35.4	29.6	25.0	20.9	17.4	14.5	11.6	9.9	7.6
.8	74.2	71.9	69.6	67.3	63.9	56.4	47.8	35.1	28.8	24.2	20.8	17.3	14.5	11.6	9.3	8.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
32.8	27.7	23.1	19.1	15.6	12.7	10.4	8.7	7.0	6.4	5.9	7.0	7.0
34.6	28.8	23.7	19.6	16.2	12.7	10.4	8.7	7.6	6.4	5.9	7.0	7.0
32.3	27.1	22.5	19.1	15.6	12.2	10.4	8.1	7.6	6.4	6.4	7.6	7.0
36.1	30.4	25.2	20.1	16.7	13.3	11.0	9.3	7.6	6.4	6.4	7.0	7.0
45.7	37.8	30.4	24.7	19.5	15.0	12.1	9.3	7.6	6.4	6.4	7.0	7.0
29.4	24.2	21.4	17.3	13.3	11.6	9.3	8.1	7.0	6.4	5.9	7.0	7.0
22.5	19.1	16.2	13.9	11.6	9.9	8.7	7.6	7.0	5.9	5.9	7.0	7.0
34.6	28.3	24.2	19.6	15.6	12.7	10.4	8.7	7.0	6.4	6.4	6.4	7.0
33.8	28.1	23.5	19.0	15.5	12.7	10.4	8.1	7.0	6.4	5.9	6.4	7.0
30.5	26.0	21.9	18.5	14.5	12.2	9.9	8.1	7.6	6.4	6.4	6.4	7.0
29.4	24.8	20.2	17.3	13.9	12.2	9.9	8.1	7.6	6.4	5.9	7.0	7.0
29.4	24.8	20.8	17.9	14.5	12.2	9.9	8.1	7.6	6.4	7.0	7.0	7.0
28.4	23.8	20.3	16.8	14.0	11.6	9.3	8.2	7.0	6.4	6.4	7.0	7.0
31.1	26.0	21.9	17.9	15.0	12.7	9.9	8.1	7.6	7.0	6.4	7.0	7.0
29.6	25.5	21.5	18.0	14.5	12.8	9.9	8.7	7.6	7.0	6.4	7.0	7.0
28.6	24.7	20.7	17.8	14.4	12.1	10.4	8.7	7.6	7.0	6.4	7.6	7.0
28.6	23.5	19.5	16.7	13.8	11.6	9.3	8.1	7.0	5.9	6.4	7.0	7.0
28.0	24.2	21.0	18.5	15.9	14.7	12.1	10.2	9.6	8.3	8.9	8.3	7.0
28.4	24.2	20.1	16.5	13.5	11.2	8.8	7.6	7.0	6.4	5.2	6.4	7.0
30.0	26.0	21.9	17.9	15.0	12.2	9.9	8.7	7.6	7.0	6.4	7.0	7.0
30.4	25.7	21.6	18.1	15.2	12.3	10.5	8.8	7.6	7.0	7.0	7.0	7.0
30.6	25.7	21.5	18.5	14.9	11.8	10.0	8.8	7.6	7.0	6.4	7.0	7.0
33.3	28.3	23.3	18.9	15.8	13.3	10.8	8.9	7.6	7.0	6.4	7.0	7.0
28.1	23.5	20.7	17.3	14.4	12.1	9.8	8.1	7.6	6.4	6.4	7.0	7.0
29.6	25.0	20.9	17.4	14.5	11.6	9.9	7.6	7.0	6.4	5.8	6.4	7.0
28.8	24.2	20.8	17.3	14.5	11.6	9.3	8.1	7.0	6.4	5.9	6.4	7.0

Table A7 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
108	-23.1	76.5	75.9	75.4	74.8	73.7	71.4	69.7	66.9	62.9	55.0	46.6	33
109	-23.1	76.5	76.5	75.4	75.4	74.8	73.1	70.8	68.5	65.7	58.3	50.3	37
110	-22.8	76.5	76.5	75.9	75.9	74.7	73.5	70.5	68.1	64.5	56.1	47.1	32
111	-22.8	76.5	75.4	75.4	75.4	74.2	73.1	70.8	68.5	65.6	58.7	51.8	39
112	-22.4	76.5	75.4	75.4	74.8	73.7	72.0	69.2	66.3	62.9	55.0	46.6	32
113	-22.4	76.5	77.2	75.8	75.8	74.5	73.1	71.1	69.1	65.7	59.0	51.5	39
114	-28.0	76.5	76.5	75.9	75.4	74.2	72.5	70.8	68.5	65.1	58.3	50.3	37
114A	-28.0	76.5	76.5	75.9	75.9	74.8	73.1	70.8	69.1	65.7	58.8	50.3	37
115	-28.0	76.5	75.9	75.4	75.4	74.2	73.1	71.3	69.0	66.7	71.0	54.7	42
116	-28.0	76.5	76.5	76.5	75.9	75.4	74.2	72.5	70.2	69.0	63.3	57.5	47
117	-28.0	76.5	75.9	76.5	75.4	74.8	74.2	72.5	7.8	68.5	64.0	58.8	49
118	-28.0	76.5	75.9	75.9	75.4	74.8	73.7	73.1	71.4	69.1	65.1	60.0	49
119	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
119A	-28.0	76.5	77.1	76.5	75.4	75.4	74.2	73.1	70.8	69.6	64.4	59.3	49
120	-23.5	76.5	76.5	76.5	75.2	73.8	71.8	69.1	65.1	61.1	51.1	41.1	25
121	-23.5	76.5	76.5	75.9	75.3	74.7	73.0	71.2	68.9	65.4	58.4	50.2	37
122	-22.8	76.5	75.9	75.9	75.9	74.2	73.1	71.4	68.5	65.7	58.3	50.9	37
123	-22.8	76.5	76.5	76.5	75.9	74.8	72.5	70.2	67.9	64.4	55.8	47.8	34
124	-28.0	76.5	76.5	75.9	75.4	74.8	73.1	71.3	69.0	65.6	59.3	50.7	38
124A	-28.0	76.5	76.5	76.5	75.9	74.8	73.0	71.3	68.4	65.5	58.0	50.4	37
125	-28.0	76.5	76.5	75.3	75.3	74.7	73.5	71.7	69.9	68.0	62.6	54.7	43
126	-28.0	76.5	76.5	75.9	75.9	75.4	74.8	73.1	71.3	69.6	63.9	58.7	47
127	-28.0	76.5	76.5	76.5	75.9	75.3	74.2	72.4	70.7	69.6	64.3	59.1	48
128	-28.0	76.5	77.1	77.1	76.5	75.4	74.2	73.1	71.3	69.6	64.4	59.8	49
129	-28.0	76.5	76.5	76.5	75.9	75.3	74.1	72.9	71.7	70.0	65.8	60.5	51
129A	-28.0	76.5	76.5	76.5	75.9	75.9	74.2	73.1	71.9	69.6	65.0	60.4	50

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
8	73.7	71.4	69.7	66.9	62.9	55.0	46.6	33.0	27.3	23.4	19.4	16.6	13.8	11.0	9.8	8.1
4	74.8	73.1	70.8	68.5	65.7	58.3	50.3	37.8	30.9	26.9	21.8	18.4	15.0	12.1	9.8	8.1
9	74.7	73.5	70.5	68.1	64.5	56.1	47.1	32.8	27.4	23.8	19.6	16.6	13.6	11.2	9.4	8.2
4	74.2	73.1	70.8	68.5	65.6	58.7	51.8	39.7	32.8	27.7	23.7	19.6	16.2	13.3	11.0	8.7
8	73.7	72.0	69.2	66.3	62.9	55.0	46.6	32.4	26.8	23.4	19.4	16.6	13.8	11.5	9.8	8.1
8	74.5	73.1	71.1	69.1	65.7	59.0	51.5	39.4	32.6	27.2	22.5	17.8	14.4	11.0	9.0	8.3
4	74.2	72.5	70.8	68.5	65.1	58.3	50.3	37.8	31.7	26.9	22.4	18.4	15.0	12.1	9.8	8.1
9	74.8	73.1	70.8	69.1	65.7	58.8	50.3	37.2	29.8	26.4	21.8	18.4	15.5	12.1	9.8	8.7
4	74.2	73.1	71.3	69.0	66.7	71.0	54.7	42.6	35.7	30.0	25.4	20.8	16.2	13.3	10.4	8.1
9	75.4	74.2	72.5	70.2	69.0	63.3	57.5	47.2	38.6	32.8	27.1	22.5	17.9	14.5	11.6	9.3
4	74.8	74.2	72.5	7.8	68.5	64.0	58.8	49.2	40.6	34.3	28.1	22.4	17.8	14.4	11.0	8.7
4	74.8	73.7	73.1	71.4	69.1	65.1	60.0	49.7	41.2	34.9	28.1	23.0	17.8	14.4	11.6	8.7
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4	75.4	74.2	73.1	70.8	69.6	64.4	59.3	49.5	40.9	34.6	28.8	23.1	17.9	13.9	11.6	8.7
2	73.8	71.8	69.1	65.1	61.1	51.1	41.1	25.7	20.4	19.0	19.0	19.0	18.4	17.0	11.7	9.7
3	74.7	73.0	71.2	68.9	65.4	58.4	50.2	37.4	30.9	26.3	22.2	18.7	14.6	12.3	9.9	8.2
9	74.2	73.1	71.4	68.5	65.7	58.3	50.9	37.8	30.9	26.4	22.4	18.4	15.0	12.1	10.4	8.7
9	74.8	72.5	70.2	67.9	64.4	55.8	47.8	34.6	28.8	24.2	20.2	17.3	14.5	11.6	10.4	8.1
4	74.8	73.1	71.3	69.0	65.6	59.3	50.7	38.0	31.7	27.1	21.9	18.5	15.6	12.7	11.0	8.7
9	74.8	73.0	71.3	68.4	65.5	58.0	50.4	37.1	30.2	26.1	22.1	18.0	14.5	12.2	9.9	8.2
3	74.7	73.5	71.7	69.9	68.0	62.6	54.7	43.9	36.0	30.6	24.5	20.9	16.7	13.0	10.6	8.8
9	75.4	74.8	73.1	71.3	69.6	63.9	58.7	47.8	40.3	33.4	27.7	22.5	17.9	14.5	11.6	9.3
9	75.3	74.2	72.4	70.7	69.6	64.3	59.1	48.7	40.6	34.2	27.9	22.1	18.6	14.5	11.6	8.7
5	75.4	74.2	73.1	71.3	69.6	64.4	59.8	49.5	42.0	34.6	28.8	22.5	18.5	13.9	11.6	9.3
9	75.3	74.1	72.9	71.7	70.0	65.8	60.5	51.0	42.6	35.5	29.0	23.6	18.3	14.7	11.8	9.4
9	75.9	74.2	73.1	71.9	69.6	65.0	60.4	50.1	42.6	35.1	28.8	23.1	18.5	14.5	11.6	9.3

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
27.3	23.4	19.4	16.6	13.8	11.0	9.8	8.1	7.0	6.4	5.9	6.4	7.0
30.9	26.9	21.8	18.4	15.0	12.1	9.8	8.1	6.4	5.9	5.9	6.4	7.0
27.4	23.8	19.6	16.6	13.6	11.2	9.4	8.2	7.0	6.4	6.4	6.4	7.0
32.8	27.7	23.7	19.6	16.2	13.3	11.0	8.7	7.6	7.0	6.4	7.0	7.0
26.8	23.4	19.4	16.6	13.8	11.5	9.8	8.1	7.0	6.4	6.4	7.0	7.0
32.6	27.2	22.5	17.8	14.4	11.0	9.0	8.3	7.0	7.0	7.0	6.3	7.0
31.7	26.9	22.4	18.4	15.0	12.1	9.8	8.1	7.0	5.9	5.9	6.4	7.0
29.8	26.4	21.8	18.4	15.5	12.1	9.8	8.7	7.0	6.4	6.4	7.0	7.0
35.7	30.0	25.4	20.8	16.2	13.3	10.4	8.1	7.0	5.9	5.9	6.4	7.0
38.6	32.8	27.1	22.5	17.9	14.5	11.6	9.3	7.6	6.4	5.9	7.0	7.0
40.6	34.3	28.1	22.4	17.8	14.4	11.0	8.7	7.6	6.4	6.4	6.4	7.0
41.2	34.9	28.1	23.0	17.8	14.4	11.6	8.7	7.6	6.4	5.9	6.4	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
40.9	34.6	28.8	23.1	17.9	13.9	11.6	8.7	7.0	6.4	5.9	6.4	7.0
20.4	19.0	19.0	19.0	18.4	17.0	11.7	9.7	7.7	7.0	6.3	7.0	7.0
30.9	26.3	22.2	18.7	14.6	12.3	9.9	8.2	7.0	5.8	5.8	6.4	7.0
30.9	26.4	22.4	18.4	15.0	12.1	10.4	8.7	7.6	6.4	5.9	6.4	7.0
28.8	24.2	20.2	17.3	14.5	11.6	10.4	8.1	7.0	7.0	6.4	7.0	7.0
31.7	27.1	21.9	18.5	15.6	12.7	11.0	8.7	7.6	6.4	5.9	6.4	7.0
30.2	26.1	22.1	18.0	14.5	12.2	9.9	8.2	7.0	5.8	5.8	6.4	7.0
36.0	30.6	24.5	20.9	16.7	13.0	10.6	8.8	7.0	6.4	6.4	6.4	7.0
40.3	33.4	27.7	22.5	17.9	14.5	11.6	9.3	7.6	6.4	6.4	6.4	7.0
40.6	34.2	27.9	22.1	18.6	14.5	11.6	8.7	7.0	5.8	5.8	6.4	7.0
42.0	34.6	28.8	22.5	18.5	13.9	11.6	9.3	7.6	6.4	5.9	6.4	7.0
42.6	35.5	29.0	23.6	18.3	14.7	11.8	9.4	7.6	6.4	5.8	7.0	7.0
42.6	35.1	28.8	23.1	18.5	14.5	11.6	9.3	7.6	6.4	5.9	7.0	7.0

Table A7 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24(
130	-22.8	76.5	76.5	75.9	75.3	74.2	72.4	70.1	67.2	63.8	55.7	47.0	34.2
131	-22.8	76.5	77.1	75.9	75.3	74.1	72.4	70.6	67.7	64.7	57.7	49.4	37.6
132	-22.8	76.5	77.1	75.9	75.9	74.7	73.0	71.2	68.9	65.4	58.4	50.8	39.1
133	-22.8	76.5	76.5	75.4	74.8	73.7	71.9	69.7	66.2	62.3	53.7	44.6	31.5
134	-48.0	76.5	76.5	75.2	74.6	72.6	69.4	66.8	62.9	58.3	47.9	39.5	37.5
135	-48.0	76.5	76.5	75.3	74.2	72.4	70.7	67.8	64.3	60.3	51.0	41.8	28.4
136	-48.0	76.5	76.5	74.7	74.7	72.9	71.1	68.7	65.1	61.5	53.1	44.1	29.8
137	-36.0	76.5	77.1	75.3	74.7	73.6	71.8	69.5	67.2	63.7	56.6	49.1	36.8
138	-36.0	76.5	75.9	74.2	74.2	73.1	70.8	68.5	66.2	62.7	54.7	46.6	34.6
139	-48.0	76.5	76.5	74.8	74.8	72.5	70.8	67.3	64.4	60.4	51.2	42.0	28.8
140	-47.0	76.5	76.5	74.8	74.8	73.0	71.9	69.6	67.2	64.3	58.0	51.6	40.6
141	-51.0	76.5	76.5	74.7	74.7	73.5	71.7	70.0	68.2	64.6	58.7	51.6	40.9
142	-45.0	76.5	75.9	74.7	74.1	72.8	71.0	69.2	66.7	63.7	57.0	47.8	34.4
143	-49.0	76.5	75.9	74.1	74.1	73.0	70.6	68.3	65.9	61.8	53.5	45.3	34.1
144	-31.0	76.5	76.5	74.7	74.7	72.9	71.2	68.8	64.6	61.1	52.1	43.8	30.2
144A	-31.0	76.5	76.5	74.7	74.7	73.6	71.8	69.4	66.5	63.5	55.9	48.2	35.3
145	-51.4	7.0	7.0	3.6	3.6	3.6	3.6	3.6	4.1	3.6	3.6	3.6	16.2
146	-49.0	76.5	76.5	74.7	74.1	73.0	71.2	68.3	65.9	61.8	54.1	45.9	32.9
147	-46.6	76.5	75.9	74.2	74.2	71.9	69.6	66.7	63.3	59.3	49.5	39.7	25.4
148	-45.0	76.5	76.5	74.2	74.2	72.4	70.1	66.6	63.1	59.6	49.6	39.7	25.7
149	-45.0	76.5	75.9	74.7	74.1	72.3	69.9	66.9	63.3	59.1	48.9	38.8	23.2
149A	-45.0	76.5	76.5	74.1	74.1	71.6	69.8	66.1	61.9	57.6	46.6	36.9	22.9
150	-45.0	76.5	75.9	72.5	73.1	70.8	68.5	65.7	61.7	57.7	47.4	37.2	22.4
151	-38.0	76.5	75.3	72.4	73.0	70.7	67.8	63.8	60.3	55.1	44.1	33.1	17.4
152	-38.0	76.5	75.8	72.5	73.1	71.1	68.4	65.7	61.7	57.6	52.9	52.2	27.2
153	-38.0	76.5	75.9	73.0	73.0	70.7	67.8	64.3	59.7	55.7	44.1	32.5	17.4

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
5.3	74.2	72.4	70.1	67.2	63.8	55.7	47.0	34.2	27.9	23.2	19.7	16.3	13.4	11.1	9.9	8.2
5.3	74.1	72.4	70.6	67.7	64.7	57.7	49.4	37.6	31.1	26.4	21.7	18.2	14.7	12.3	9.9	7.6
5.9	74.7	73.0	71.2	68.9	65.4	58.4	50.8	39.1	32.7	26.9	23.4	19.3	15.8	12.8	9.9	8.2
4.8	73.7	71.9	69.7	66.2	62.3	53.7	44.6	31.5	25.2	21.8	18.4	16.1	13.8	11.0	9.3	8.1
4.6	72.6	69.4	66.8	62.9	58.3	47.9	39.5	37.5	23.2	20.0	18.0	15.4	12.8	10.9	9.6	8.3
4.2	72.4	70.7	67.8	64.3	60.3	51.0	41.8	28.4	23.2	20.3	17.4	14.5	12.2	10.5	9.3	8.2
4.7	72.9	71.1	68.7	65.1	61.5	53.1	44.1	29.8	25.0	22.0	19.0	15.4	13.6	11.2	9.4	8.2
4.7	73.6	71.8	69.5	67.2	63.7	56.6	49.1	36.8	30.9	26.3	22.2	18.1	15.8	12.8	10.5	8.2
4.2	73.1	70.8	68.5	66.2	62.7	54.7	46.6	34.6	28.8	24.8	21.4	17.3	14.5	12.2	9.9	8.1
4.8	72.5	70.8	67.3	64.4	60.4	51.2	42.0	28.8	23.7	20.2	17.3	14.5	12.2	10.4	8.7	7.6
4.8	73.0	71.9	69.6	67.2	64.3	58.0	51.6	40.6	34.2	29.0	24.4	20.3	16.3	13.4	11.1	8.7
4.7	73.5	71.7	70.0	68.2	64.6	58.7	51.6	40.9	34.3	28.4	23.6	19.5	15.9	12.9	10.6	8.2
4.1	72.8	71.0	69.2	66.7	63.7	57.0	47.8	34.4	29.6	24.7	21.0	17.4	14.3	11.9	9.4	8.2
4.1	73.0	70.6	68.3	65.9	61.8	53.5	45.3	34.1	28.2	24.7	20.0	17.0	13.5	11.1	9.9	8.2
4.7	72.9	71.2	68.8	64.6	61.1	52.1	43.8	30.2	24.8	20.7	18.3	15.9	12.9	11.2	9.4	8.2
4.7	73.6	71.8	69.4	66.5	63.5	55.9	48.2	35.3	29.4	25.3	21.1	17.0	14.1	11.7	9.9	7.6
3.6	3.6	3.6	3.6	4.1	3.6	3.6	3.6	16.2	16.7	14.5	12.7	11.6	10.4	9.3	8.7	7.6
4.1	73.0	71.2	68.3	65.9	61.8	54.1	45.9	32.9	27.6	24.1	20.5	16.4	14.1	11.7	9.4	8.2
4.2	71.9	69.6	66.7	63.3	59.3	49.5	39.7	25.4	20.8	18.5	16.2	13.9	11.6	10.4	8.7	7.6
4.2	72.4	70.1	66.6	63.1	59.6	49.6	39.7	25.7	22.2	18.7	15.8	14.0	11.7	9.9	8.8	7.6
4.1	72.3	69.9	66.9	63.3	59.1	48.9	38.8	23.2	19.0	16.6	14.2	12.4	11.2	9.4	8.2	7.0
4.1	71.6	69.8	66.1	61.9	57.6	46.6	36.9	22.9	19.8	16.8	14.9	13.1	11.3	9.4	8.2	7.6
3.1	70.8	68.5	65.7	61.7	57.7	47.4	37.2	22.4	19.5	16.7	15.0	13.3	11.6	10.4	9.3	8.1
3.0	70.7	67.8	63.8	60.3	55.1	44.1	33.1	17.4	15.1	13.4	12.2	11.1	9.9	9.3	8.2	7.6
3.1	71.1	68.4	65.7	61.7	57.6	52.9	52.2	27.2	22.5	19.8	17.1	14.4	12.4	11.0	9.7	8.3
3.0	70.7	67.8	64.3	59.7	55.7	44.1	32.5	17.4	14.5	12.8	11.6	10.5	9.3	8.2	8.2	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
27.9	23.2	19.7	16.3	13.4	11.1	9.9	8.2	7.0	5.8	5.8	6.4	7.0
31.1	26.4	21.7	18.2	14.7	12.3	9.9	7.6	7.0	6.4	6.4	7.0	7.0
32.7	26.9	23.4	19.3	15.8	12.8	9.9	8.2	7.0	6.4	5.8	6.4	7.0
25.2	21.8	18.4	16.1	13.8	11.0	9.3	8.1	7.0	6.4	6.4	7.0	7.0
23.2	20.0	18.0	15.4	12.8	10.9	9.6	8.3	7.6	7.0	6.4	7.6	7.0
23.2	20.3	17.4	14.5	12.2	10.5	9.3	8.2	7.0	6.4	6.4	7.0	7.0
25.0	22.0	19.0	15.4	13.6	11.2	9.4	8.2	7.0	6.4	5.8	7.0	7.0
30.9	26.3	22.2	18.1	15.8	12.8	10.5	8.2	7.6	6.4	6.4	6.4	7.0
28.8	24.8	21.4	17.3	14.5	12.2	9.9	8.1	7.6	6.4	6.4	7.0	7.0
23.7	20.2	17.3	14.5	12.2	10.4	8.7	7.6	7.0	5.9	5.9	6.4	7.0
34.2	29.0	24.4	20.3	16.3	13.4	11.1	8.7	7.6	7.6	6.4	7.0	7.0
34.3	28.4	23.6	19.5	15.9	12.9	10.6	8.2	6.4	5.8	5.8	5.8	7.0
29.6	24.7	21.0	17.4	14.3	11.9	9.4	8.2	7.0	5.8	5.8	6.4	7.0
28.2	24.7	20.0	17.0	13.5	11.1	9.9	8.2	7.0	5.8	5.8	6.4	7.0
24.8	20.7	18.3	15.9	12.9	11.2	9.4	8.2	7.0	6.4	6.4	7.0	7.0
29.4	25.3	21.1	17.0	14.1	11.7	9.9	7.6	7.0	6.4	5.8	6.4	7.0
16.7	14.5	12.7	11.6	10.4	9.3	8.7	7.6	7.0	7.0	6.4	7.0	7.0
27.6	24.1	20.5	16.4	14.1	11.7	9.4	8.2	7.0	6.4	6.4	7.0	7.0
20.8	18.5	16.2	13.9	11.6	10.4	8.7	7.6	7.0	6.4	5.9	6.4	7.0
22.2	18.7	15.8	14.0	11.7	9.9	8.8	7.6	7.0	6.4	6.4	7.0	7.0
19.0	16.6	14.2	12.4	11.2	9.4	8.2	7.0	6.4	6.4	5.8	7.0	7.0
19.8	16.8	14.9	13.1	11.3	9.4	8.2	7.6	6.4	6.4	6.4	7.0	7.0
19.5	16.7	15.0	13.3	11.6	10.4	9.3	8.1	7.6	7.0	7.0	7.6	7.0
15.1	13.4	12.2	11.1	9.9	9.3	8.2	7.6	7.0	7.0	7.0	7.0	7.0
22.5	19.8	17.1	14.4	12.4	11.0	9.7	8.3	7.7	6.3	6.3	7.0	7.0
14.5	12.8	11.6	10.5	9.3	8.2	8.2	7.0	6.4	6.4	5.8	6.4	7.0

Table A7 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
154	-38.0	—	—	—	—	—	—	—	—	—	—	—	-
155	-38.0	76.5	75.9	72.5	73.1	70.8	68.0	64.5	60.5	54.9	43.5	32.6	1
156	-38.0	—	—	—	—	—	—	—	—	—	—	—	-
157	-31.0	76.5	75.9	71.7	72.9	70.0	67.6	64.0	59.9	55.1	43.8	33.7	2
158	-31.0	76.5	75.9	71.8	73.0	70.1	67.7	64.2	60.1	54.9	44.4	33.9	2
159	5.0	76.5	75.4	71.3	72.5	69.0	67.3	63.9	59.3	55.2	44.3	34.0	2
160	5.0	7.0	8.1	3.6	3.6	3.6	3.6	3.6	4.1	4.1	3.6	3.6	1
161	-31.0	7.0	8.1	4.1	1.3	-2.1	-5.6	-9.0	-10.7	-13.0	-12.4	-6.7	1
162	-31.0	7.0	7.6	3.0	-1.0	-3.3	-7.3	-10.2	-11.9	-13.1	-11.9	-7.3	1
163	-31.0	7.0	8.2	2.3	-2.4	-3.5	-7.1	-9.4	-12.3	-14.1	-11.8	-5.3	1
164	-31.0	7.0	8.1	3.6	-1.0	-4.5	-7.3	-9.6	-13.6	-14.2	-11.3	-5.0	1
165	-31.0	7.0	8.7	5.3	3.0	0.1	-3.9	-6.8	-10.2	-10.8	-8.5	-2.2	1
166	-31.0	7.0	8.1	5.3	1.8	1.8	-2.8	-4.5	-9.1	-10.2	-6.8	4.1	1
167	-31.0	7.0	8.2	7.0	4.0	1.1	1.1	-7.8	-4.8	-6.0	-2.5	8.2	1
167A	-31.0	7.0	7.6	7.6	6.4	2.4	-2.2	-2.8	-1.6	-2.2	1.2	12.8	1
168	-28.5	7.0	8.1	7.6	7.6	7.6	8.1	8.7	8.7	6.4	8.7	11.6	1
169	-24.0	7.0	8.2	7.6	8.2	8.2	8.8	7.6	10.1	10.1	14.4	15.6	1
170	-21.0	7.0	6.4	7.6	7.6	8.2	8.2	8.2	9.4	10.0	14.2	14.2	1
171	-27.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.0	7.0	5.9	4.7	
172	-27.0	7.0	7.0	7.6	7.6	8.2	9.3	11.0	12.2	13.3	16.2	19.1	2
173	-27.0	7.0	7.0	7.6	8.2	7.6	7.6	7.0	7.0	6.4	4.1	2.3	
174	-27.0	7.0	7.6	7.0	8.2	8.7	9.3	10.5	12.2	14.5	17.4	20.3	2
175	-27.0	7.0	7.0	7.0	7.6	7.6	7.6	7.6	7.6	7.0	5.8	4.1	
176	-27.0	7.0	7.0	7.0	8.2	8.7	9.9	10.5	12.8	14.6	18.6	21.5	2
177	-34.0	7.0	7.0	7.0	7.6	8.1	8.1	9.3	9.8	10.4	12.1	13.8	1
178	-34.0	7.0	7.0	7.0	7.0	7.8	7.0	7.8	7.8	8.5	9.3	10.8	1

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.1	70.8	68.0	64.5	60.5	54.9	43.5	32.6	17.3	15.0	12.7	12.1	10.4	9.8	8.7	8.1	7.6
-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.9	70.0	67.6	64.0	59.9	55.1	43.8	33.7	20.1	17.1	15.3	13.5	11.8	10.6	10.0	8.2	7.6
.0	70.1	67.7	64.2	60.1	54.9	44.4	33.9	20.4	16.9	15.0	13.3	12.2	10.4	9.3	8.7	7.6
.5	69.0	67.3	63.9	59.3	55.2	44.3	34.0	20.2	16.8	15.0	13.3	12.2	10.4	9.3	8.7	7.6
.6	3.6	3.6	3.6	4.1	4.1	3.6	3.6	16.8	16.2	14.5	12.7	12.2	10.4	8.7	8.7	8.1
.3	-2.1	-5.6	-9.0	-10.7	-13.0	-12.4	-6.7	10.4	15.6	15.0	13.3	12.1	11.0	10.4	9.9	8.7
.0	-3.3	-7.3	-10.2	-11.9	-13.1	-11.9	-7.3	13.3	16.8	15.6	13.3	12.2	10.4	9.3	8.7	7.6
.4	-3.5	-7.1	-9.4	-12.3	-14.1	-11.8	-5.3	16.4	15.8	14.6	13.4	11.1	10.5	9.9	8.8	8.2
.0	-4.5	-7.3	-9.6	-13.6	-14.2	-11.3	-5.0	16.7	15.6	13.3	12.2	11.6	9.9	9.3	8.1	7.6
.0	0.1	-3.9	-6.8	-10.2	-10.8	-8.5	-2.2	16.7	16.2	15.0	14.5	13.3	12.7	11.6	10.4	9.9
.8	1.8	-2.8	-4.5	-9.1	-10.2	-6.8	4.1	15.6	15.6	14.5	13.3	12.2	11.0	10.4	9.3	8.7
.0	1.1	1.1	-7.8	-4.8	-6.0	-2.5	8.2	15.9	14.7	12.9	12.3	10.6	10.0	8.8	8.2	7.6
.4	2.4	-2.2	-2.8	-1.6	-2.2	1.2	12.8	17.9	16.2	14.5	12.8	11.6	10.5	9.3	8.2	8.2
.6	7.6	8.1	8.7	8.7	6.4	8.7	11.6	11.0	10.4	10.4	9.9	9.3	8.7	8.1	8.1	7.6
.2	8.2	8.8	7.6	10.1	10.1	14.4	15.6	17.4	16.2	14.4	13.1	11.3	10.1	9.5	8.8	7.6
.6	8.2	8.2	8.2	9.4	10.0	14.2	14.2	17.2	16.0	14.2	13.0	11.2	10.6	9.4	8.2	7.6
.6	7.6	7.6	7.0	7.0	7.0	5.9	4.7	3.6	4.7	5.3	5.9	5.9	6.4	6.4	7.0	7.0
.6	8.2	9.3	11.0	12.2	13.3	16.2	19.1	22.0	19.7	17.9	15.1	13.3	11.6	10.5	8.7	8.2
.2	7.6	7.6	7.0	7.0	6.4	4.1	2.3	1.7	2.3	4.1	4.7	5.2	5.8	6.4	7.0	7.0
.2	8.7	9.3	10.5	12.2	14.5	17.4	20.3	23.2	20.9	18.0	15.7	13.4	12.2	11.1	9.3	8.2
.6	7.6	7.6	7.6	7.6	7.0	5.8	4.1	4.1	4.7	5.3	5.8	6.4	7.0	6.4	7.0	7.0
.2	8.7	9.9	10.5	12.8	14.6	18.6	21.5	23.3	20.4	17.5	15.7	13.4	12.2	10.5	8.7	8.2
.6	8.1	8.1	9.3	9.8	10.4	12.1	13.8	15.5	13.8	12.7	11.5	10.4	9.3	9.3	8.1	7.0
.0	7.8	7.0	7.8	7.8	8.5	9.3	10.8	11.5	10.8	10.0	9.3	8.5	8.5	7.8	7.8	7.0

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
—	—	—	—	—	—	—	—	—	—	—	—	—
15.0	12.7	12.1	10.4	9.8	8.7	8.1	7.6	7.0	6.4	7.0	6.4	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
17.1	15.3	13.5	11.8	10.6	10.0	8.2	7.6	7.0	7.0	6.4	6.4	7.0
16.9	15.0	13.3	12.2	10.4	9.3	8.7	7.6	7.0	6.4	6.4	6.4	7.0
16.8	15.0	13.3	12.2	10.4	9.3	8.7	7.6	7.0	6.4	6.4	6.4	7.0
16.2	14.5	12.7	12.2	10.4	8.7	8.7	8.1	7.0	7.0	7.0	7.0	7.6
15.6	15.0	13.3	12.1	11.0	10.4	9.9	8.7	8.1	8.1	8.1	8.1	8.1
16.8	15.6	13.3	12.2	10.4	9.3	8.7	7.6	7.6	7.0	7.0	7.0	7.0
15.8	14.6	13.4	11.1	10.5	9.9	8.8	8.2	7.6	7.6	7.6	7.6	7.6
15.6	13.3	12.2	11.6	9.9	9.3	8.1	7.6	7.0	7.0	6.4	7.0	7.0
16.2	15.0	14.5	13.3	12.7	11.6	10.4	9.9	9.3	9.3	8.7	9.3	9.3
15.6	14.5	13.3	12.2	11.0	10.4	9.3	8.7	8.1	7.6	7.6	8.1	8.1
14.7	12.9	12.3	10.6	10.0	8.8	8.2	7.6	7.6	7.0	7.0	7.0	7.6
16.2	14.5	12.8	11.6	10.5	9.3	8.2	8.2	7.6	7.0	7.0	7.0	7.0
10.4	10.4	9.9	9.3	8.7	8.1	8.1	7.6	7.0	7.0	7.0	7.0	7.0
16.2	14.4	13.1	11.3	10.1	9.5	8.8	7.6	7.6	7.0	7.0	7.0	7.0
16.0	14.2	13.0	11.2	10.6	9.4	8.2	7.6	7.0	6.4	6.4	6.4	6.4
4.7	5.3	5.9	5.9	6.4	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0
19.7	17.9	15.1	13.3	11.6	10.5	8.7	8.2	7.0	7.0	6.4	6.4	7.0
2.3	4.1	4.7	5.2	5.8	6.4	7.0	7.0	7.0	7.0	7.6	7.0	7.6
20.9	18.0	15.7	13.4	12.2	11.1	9.3	8.2	7.6	7.0	6.4	6.4	7.0
4.7	5.3	5.8	6.4	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0
20.4	17.5	15.7	13.4	12.2	10.5	8.7	8.2	7.6	7.0	7.0	7.0	7.0
13.8	12.7	11.5	10.4	9.3	9.3	8.1	7.0	7.0	7.0	7.0	7.0	6.4
10.8	10.0	9.3	8.5	8.5	7.8	7.8	7.0	7.8	7.8	7.0	7.0	7.0

Table A7 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
179	-34.0	7.0	7.6	7.6	7.6	8.1	9.3	9.9	10.4	11.0	13.3	15.0	16.2
180	-34.0	7.0	7.0	7.0	7.6	8.7	8.7	9.8	11.5	12.7	14.9	17.8	18.9
181	-34.0	7.0	7.0	7.0	7.6	8.1	9.3	10.4	12.1	13.3	15.5	18.4	20.1
182	-31.8	7.0	7.0	7.6	7.6	7.6	8.1	9.3	11.0	11.6	14.4	17.3	17.3
183	-31.8	7.0	7.0	7.0	7.0	8.2	9.3	9.3	11.1	12.2	15.7	19.2	21.5
184	-31.8	7.0	7.0	7.6	7.6	8.7	8.7	9.9	10.5	11.1	15.1	16.3	19.2
185	-31.8	7.0	7.0	7.0	7.6	8.2	8.8	10.0	10.6	11.2	3.6	15.3	15.9
186	-27.0	7.0	7.6	7.6	7.6	7.6	7.6	7.6	6.4	5.8	4.1	2.3	0.6
187	-27.0	7.0	7.0	7.0	7.6	8.1	9.3	10.4	11.0	12.7	15.6	18.4	20.7
188	-34.0	7.0	7.6	7.6	7.6	8.1	8.1	8.7	9.3	9.8	11.0	12.1	12.1
189	-34.0	—	—	—	—	—	—	—	—	—	—	—	—
190	-34.0	7.0	7.6	7.6	8.2	8.2	8.7	9.3	9.9	10.5	11.0	11.6	12.2
191	-34.0	7.0	7.0	7.6	7.6	8.7	9.3	10.5	11.1	12.2	14.5	16.3	18.0
192	-34.0	7.0	7.0	7.0	7.7	8.3	9.0	9.7	11.0	12.4	15.1	17.1	18.4

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
6	8.1	9.3	9.9	10.4	11.0	13.3	15.0	16.2	14.5	13.9	12.7	11.6	10.4	9.3	8.1	8.1
6	8.7	8.7	9.8	11.5	12.7	14.9	17.8	18.9	17.2	14.9	13.8	12.1	10.4	9.3	8.7	8.1
6	8.1	9.3	10.4	12.1	13.3	15.5	18.4	20.1	18.4	16.1	14.4	12.1	11.0	9.8	9.3	8.1
6	7.6	8.1	9.3	11.0	11.6	14.4	17.3	17.3	15.5	14.4	13.3	11.6	9.8	8.7	8.1	7.6
0	8.2	9.3	9.3	11.1	12.2	15.7	19.2	21.5	18.0	15.7	13.4	12.8	10.5	9.3	8.7	7.6
6	8.7	8.7	9.9	10.5	11.1	15.1	16.3	19.2	16.3	15.1	14.0	12.2	10.5	9.3	8.7	8.2
6	8.2	8.8	10.0	10.6	11.2	3.6	15.3	15.9	14.1	13.6	12.4	11.2	10.0	8.8	8.2	8.2
6	7.6	7.6	7.6	6.4	5.8	4.1	2.3	0.6	2.3	2.3	4.7	5.3	5.8	6.4	6.4	7.0
6	8.1	9.3	10.4	11.0	12.7	15.6	18.4	20.7	18.4	16.7	15.0	12.7	11.6	9.9	8.7	7.6
6	8.1	8.1	8.7	9.3	9.8	11.0	12.1	12.1	11.5	11.0	10.4	9.8	9.3	8.7	8.1	7.6
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2	8.2	8.7	9.3	9.9	10.5	11.0	11.6	12.2	11.6	11.0	9.9	9.3	8.7	7.6	7.6	7.0
6	8.7	9.3	10.5	11.1	12.2	14.5	16.3	18.0	16.9	15.7	13.4	12.2	11.1	9.9	8.7	8.2
7	8.3	9.0	9.7	11.0	12.4	15.1	17.1	18.4	17.1	16.4	14.4	12.4	11.0	9.7	9.0	8.3

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
14.5	13.9	12.7	11.6	10.4	9.3	8.1	8.1	7.6	7.6	7.6	7.0	7.6
17.2	14.9	13.8	12.1	10.4	9.3	8.7	8.1	7.6	7.0	6.4	7.0	7.0
18.4	16.1	14.4	12.1	11.0	9.8	9.3	8.1	7.6	7.0	7.0	7.0	7.0
15.5	14.4	13.3	11.6	9.8	8.7	8.1	7.6	7.0	7.0	6.4	6.4	7.0
18.0	15.7	13.4	12.8	10.5	9.3	8.7	7.6	7.6	7.0	7.0	7.0	7.0
16.3	15.1	14.0	12.2	10.5	9.3	8.7	8.2	7.6	7.0	7.0	7.0	7.0
14.1	13.6	12.4	11.2	10.0	8.8	8.2	8.2	7.6	7.6	7.0	7.0	7.0
2.3	2.3	4.7	5.3	5.8	6.4	6.4	7.0	7.6	7.6	7.6	7.6	7.6
18.4	16.7	15.0	12.7	11.6	9.9	8.7	7.6	7.0	6.4	6.4	6.4	7.0
11.5	11.0	10.4	9.8	9.3	8.7	8.1	7.6	7.0	7.0	7.0	7.0	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
11.6	11.0	9.9	9.3	8.7	7.6	7.6	7.0	7.0	6.4	6.4	6.4	7.0
16.9	15.7	13.4	12.2	11.1	9.9	8.7	8.2	8.2	7.0	7.0	7.0	7.6
17.1	16.4	14.4	12.4	11.0	9.7	9.0	8.3	7.7	7.7	7.0	7.0	7.0

Table A8
H-H Pattern System Average Piezometer Reading During Emptying Operation, Type 2 S
Single Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24(
UP	—	76.5	76.5	76.5	76.5	76.5	77.1	76.5	76.5	76.5	77.1	76.5	76.5
LC	—	76.5	75.9	75.4	75.4	73.7	72.5	71.4	69.7	68.6	65.2	62.9	57.9
LP	—	7.0	7.0	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
14	-53.0	76.5	74.2	71.9	68.5	64.5	61.1	60.5	58.8	58.3	55.4	53.1	48.6
15	-46.0	76.5	74.2	71.9	68.5	64.5	61.7	61.1	59.4	58.8	56.0	53.7	49.2
16	-3.0	76.5	77.1	76.5	76.5	76.5	76.5	77.1	77.1	76.5	76.5	77.1	76.5
17	-3.0	76.5	74.8	72.0	67.5	63.5	61.2	60.1	58.4	57.9	55.6	53.9	48.2
18	-39.0	76.5	73.7	72.6	68.1	64.7	61.4	60.8	59.1	58.6	55.8	54.1	48.5
19	-38.4	76.5	74.2	71.9	68.5	63.9	61.6	60.4	59.3	58.1	55.8	54.1	48.9
20	-37.7	76.5	73.4	70.3	64.8	59.3	57.0	54.6	53.9	52.3	49.2	46.0	39.8
21	-37.7	76.5	74.2	71.9	68.0	63.4	61.7	60.0	59.4	58.3	55.4	53.7	48.0
22	-37.0	76.5	74.2	71.8	67.7	63.1	61.9	59.6	59.6	58.4	55.5	54.3	48.5
23	-36.0	76.5	74.8	71.9	68.5	63.4	61.7	59.4	60.0	58.3	55.4	54.3	48.6
24	-35.0	76.5	74.2	72.0	68.0	62.9	61.2	60.1	59.5	58.4	55.6	53.9	48.2
25	-33.5	76.5	74.2	71.9	68.0	62.8	61.7	59.4	59.4	57.7	54.9	54.3	48.0
26	-32.0	76.5	74.2	72.5	68.5	63.4	61.7	60.0	59.4	58.3	55.4	54.3	48.6
27	-31.0	76.5	73.7	72.0	67.5	62.4	60.7	59.5	58.4	57.9	55.0	53.3	48.2
27A	-31.0	76.5	74.3	73.1	70.9	67.5	66.4	64.2	63.0	61.9	59.7	56.9	52.4
28	-42.0	76.5	73.6	72.4	68.3	63.7	60.7	59.6	59.0	58.4	55.5	53.1	49.1
29	-42.0	76.5	74.2	72.5	68.0	63.5	60.7	60.7	59.0	58.4	55.6	53.3	48.8
30	-42.0	76.5	73.6	71.9	67.3	63.3	60.4	59.8	58.1	58.7	55.2	53.0	48.4
31	-42.0	76.5	73.6	71.9	67.9	63.3	60.4	59.3	58.1	58.1	54.7	53.5	47.8
32	-53.0	76.5	74.2	72.5	68.0	63.5	60.7	60.1	59.0	57.9	55.0	53.9	48.2
33	-53.0	76.5	73.7	72.0	68.0	63.5	61.2	60.1	58.4	57.9	55.0	53.3	48.2
34	-53.0	76.5	73.7	72.5	68.0	64.1	61.8	60.1	58.4	57.3	55.0	53.3	48.2

ometer Reading During Emptying Operation, Type 2 System, Lift 69.5 ft, Valve Speed 1 Min, Upper Pool El 76.5, L

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
5	76.5	77.1	76.5	76.5	76.5	77.1	76.5	76.5	76.5	76.5	77.1	76.5	76.5	76.5	76.5	76.5
4	73.7	72.5	71.4	69.7	68.6	65.2	62.9	57.9	52.2	47.7	43.7	39.2	35.8	31.9	27.9	24.5
0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.6	7.6
5	64.5	61.1	60.5	58.8	58.3	55.4	53.1	48.6	44.0	40.0	36.6	33.2	29.8	26.9	24.1	21.8
5	64.5	61.7	61.1	59.4	58.8	56.0	53.7	49.2	44.6	40.6	36.6	33.8	30.4	27.5	25.2	21.8
5	76.5	76.5	77.1	77.1	76.5	76.5	77.1	76.5	77.1	77.1	77.1	77.1	76.5	76.5	77.1	76.5
5	63.5	61.2	60.1	58.4	57.9	55.6	53.9	48.2	43.7	39.8	36.4	33.0	30.2	26.8	24.5	21.7
1	64.7	61.4	60.8	59.1	58.6	55.8	54.1	48.5	44.6	40.6	36.7	33.3	31.1	27.2	24.9	22.1
5	63.9	61.6	60.4	59.3	58.1	55.8	54.1	48.9	44.3	39.7	36.3	33.4	30.5	27.1	24.8	21.9
8	59.3	57.0	54.6	53.9	52.3	49.2	46.0	39.8	34.3	28.1	24.2	20.3	16.4	12.5	10.1	8.6
0	63.4	61.7	60.0	59.4	58.3	55.4	53.7	48.0	44.6	39.5	36.6	33.2	30.4	26.9	24.1	21.8
7	63.1	61.9	59.6	59.6	58.4	55.5	54.3	48.5	44.4	40.3	36.8	33.9	30.4	26.9	25.1	22.2
5	63.4	61.7	59.4	60.0	58.3	55.4	54.3	48.6	45.2	40.0	36.6	33.8	30.4	27.5	25.2	22.4
0	62.9	61.2	60.1	59.5	58.4	55.6	53.9	48.2	44.9	40.3	36.9	34.1	30.7	27.3	24.5	22.3
0	62.8	61.7	59.4	59.4	57.7	54.9	54.3	48.0	44.6	40.0	36.6	33.8	30.4	27.5	24.7	22.4
5	63.4	61.7	60.0	59.4	58.3	55.4	54.3	48.6	44.0	40.6	37.2	33.8	30.4	27.5	25.2	22.4
5	62.4	60.7	59.5	58.4	57.9	55.0	53.3	48.2	44.3	39.8	36.4	34.1	30.7	27.3	25.1	22.3
9	67.5	66.4	64.2	63.0	61.9	59.7	56.9	52.4	48.5	43.4	39.5	36.1	32.2	28.9	26.1	23.8
3	63.7	60.7	59.6	59.0	58.4	55.5	53.1	49.1	44.4	40.9	37.4	34.4	30.9	28.0	25.1	22.2
0	63.5	60.7	60.7	59.0	58.4	55.6	53.3	48.8	44.3	40.3	37.5	34.1	29.6	27.3	25.1	22.3
3	63.3	60.4	59.8	58.1	58.7	55.2	53.0	48.4	43.2	39.7	36.3	34.0	29.4	27.1	24.2	21.9
9	63.3	60.4	59.3	58.1	58.1	54.7	53.5	47.8	43.8	39.7	36.3	33.4	30.0	27.1	24.2	21.9
0	63.5	60.7	60.1	59.0	57.9	55.0	53.9	48.2	43.7	40.3	36.9	33.6	30.2	27.9	24.5	22.3
0	63.5	61.2	60.1	58.4	57.9	55.0	53.3	48.2	43.7	40.3	36.4	33.6	29.6	27.3	24.5	22.3
0	64.1	61.8	60.1	58.4	57.3	55.0	53.3	48.2	43.2	39.8	36.4	33.6	29.6	27.3	24.5	22.3

ɛm, Lift 69.5 ft, Valve Speed 1 Min, Upper Pool El 76.5, Lower Pool El 7,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
76.5	76.5	77.1	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	75.9	76.5
52.2	47.7	43.7	39.2	35.8	31.9	27.9	24.5	22.3	19.4	17.2	13.2	7.0
7.6	7.6	7.0	7.6	7.6	7.0	7.6	7.6	7.0	7.6	7.0	7.0	7.0
44.0	40.0	36.6	33.2	29.8	26.9	24.1	21.8	19.5	17.3	15.5	12.1	7.0
44.6	40.6	36.6	33.8	30.4	27.5	25.2	21.8	19.5	17.8	16.1	12.7	7.0
77.1	77.1	77.1	77.1	76.5	76.5	77.1	76.5	76.5	76.5	76.5	76.5	75.9
43.7	39.8	36.4	33.0	30.2	26.8	24.5	21.7	19.4	17.2	14.9	12.1	7.0
44.6	40.6	36.7	33.3	31.1	27.2	24.9	22.1	19.3	17.1	16.0	12.6	7.0
44.3	39.7	36.3	33.4	30.5	27.1	24.8	21.9	19.6	17.3	15.6	12.2	7.0
34.3	28.1	24.2	20.3	16.4	12.5	10.1	8.6	7.8	7.8	7.8	7.0	7.0
44.6	39.5	36.6	33.2	30.4	26.9	24.1	21.8	19.5	16.7	15.5	12.1	7.0
44.4	40.3	36.8	33.9	30.4	26.9	25.1	22.2	19.8	17.5	15.8	12.3	7.0
45.2	40.0	36.6	33.8	30.4	27.5	25.2	22.4	19.0	17.3	16.1	12.7	7.0
44.9	40.3	36.9	34.1	30.7	27.3	24.5	22.3	19.4	17.7	15.5	12.7	7.0
44.6	40.0	36.6	33.8	30.4	27.5	24.7	22.4	20.1	17.3	15.5	12.1	7.0
44.0	40.6	37.2	33.8	30.4	27.5	25.2	22.4	20.1	17.8	15.5	12.1	7.0
44.3	39.8	36.4	34.1	30.7	27.3	25.1	22.3	20.0	17.7	15.5	12.7	7.0
48.5	43.4	39.5	36.1	32.2	28.9	26.1	23.8	21.0	18.2	16.5	13.2	7.0
44.4	40.9	37.4	34.4	30.9	28.0	25.1	22.2	19.8	18.1	16.3	12.8	7.0
44.3	40.3	37.5	34.1	29.6	27.3	25.1	22.3	20.0	18.3	16.0	12.7	7.0
43.2	39.7	36.3	34.0	29.4	27.1	24.2	21.9	19.6	16.8	15.6	12.2	7.0
43.8	39.7	36.3	33.4	30.0	27.1	24.2	21.9	19.6	17.3	15.6	12.7	7.0
43.7	40.3	36.9	33.6	30.2	27.9	24.5	22.3	19.4	17.2	15.5	13.2	7.0
43.7	40.3	36.4	33.6	29.6	27.3	24.5	22.3	19.4	17.7	16.0	12.7	7.0
43.2	39.8	36.4	33.6	29.6	27.3	24.5	22.3	19.4	17.7	16.0	12.7	7.0

Table A8 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
35	-53.0	76.5	73.7	72.0	67.5	64.2	61.4	60.2	58.6	56.9	55.2	53.5	48
36	-53.0	76.5	74.1	72.4	69.4	65.9	63.5	62.4	60.6	59.4	56.5	55.9	50
36A	-53.0	76.5	74.2	73.1	70.2	68.0	66.2	64.0	63.4	61.7	58.8	57.1	52
37	-48.0	76.5	73.7	71.9	68.0	63.4	61.7	60.5	58.8	56.6	56.0	53.1	48
38	-36.0	76.5	73.7	71.9	66.8	62.3	59.4	57.1	56.0	54.9	53.1	52.0	46
39	-48.0	76.5	74.2	72.4	67.2	61.9	59.6	57.8	56.6	54.3	54.3	50.8	47
40	-36.0	76.5	73.7	71.9	66.8	61.1	58.8	57.1	56.0	54.3	52.6	50.9	45
41	-36.0	76.5	73.7	70.8	66.9	60.7	57.3	56.2	55.0	53.3	51.1	48.8	45
42	-36.0	76.5	73.6	71.3	66.2	59.3	55.8	54.1	53.5	53.0	50.1	47.8	43
43	-33.0	76.5	73.6	68.5	59.8	49.5	42.6	38.0	38.0	38.0	36.3	35.1	32
44	-37.0	76.5	73.7	68.0	58.4	47.1	38.6	36.9	37.5	36.9	35.8	31.9	30
45	-39.0	76.5	74.7	72.0	71.0	65.5	62.5	58.8	58.2	55.8	55.8	53.9	49
46	-35.0	76.5	73.6	71.3	65.0	59.3	55.8	53.5	53.0	51.8	49.5	47.2	42
47	-35.0	76.5	73.7	71.4	66.9	61.8	58.4	56.7	55.6	54.5	51.6	49.4	46
48	-36.0	76.5	74.8	73.6	69.6	66.1	63.2	62.0	60.9	59.7	57.4	55.1	50
49	-36.0	76.5	73.7	73.1	69.1	65.1	63.4	61.1	60.5	59.4	56.6	54.3	50
50	-31.0	76.5	74.2	72.5	68.6	64.6	61.8	60.1	59.0	57.9	55.6	53.3	48
51	-42.0	76.5	73.6	73.1	69.6	66.2	63.9	62.1	61.0	60.4	57.5	55.2	50
52	-27.8	76.5	75.4	74.2	70.8	67.3	65.6	63.3	62.1	61.0	58.7	56.4	51
53	-49.5	76.5	73.7	72.5	70.3	66.9	65.2	64.1	62.4	61.2	58.4	56.7	51
54	-21.6	76.5	74.2	73.1	70.8	67.9	66.2	63.9	62.1	61.0	58.1	56.4	51
55	-41.6	76.5	74.7	73.0	70.0	67.1	65.3	63.0	61.8	61.2	58.2	55.9	51
56	-17.5	76.5	74.8	73.6	70.7	67.2	65.5	63.8	62.0	61.4	59.1	56.2	51
57	-35.2	76.5	74.2	73.1	69.7	65.8	64.1	62.9	61.2	60.1	57.3	55.6	50
58	-31.3	76.5	75.3	74.2	71.2	67.2	66.0	63.7	62.5	61.3	59.0	56.6	52
59	-31.3	76.5	75.4	74.2	71.3	67.3	65.6	63.9	62.1	61.0	58.1	56.4	51

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
5	64.2	61.4	60.2	58.6	56.9	55.2	53.5	48.5	43.4	40.6	36.7	33.9	30.0	27.2	24.9	22.7
4	65.9	63.5	62.4	60.6	59.4	56.5	55.9	50.6	45.3	41.8	37.6	34.7	30.6	28.2	25.3	22.9
2	68.0	66.2	64.0	63.4	61.7	58.8	57.1	52.0	48.0	43.5	40.0	35.5	32.1	28.6	25.8	23.0
0	63.4	61.7	60.5	58.8	56.6	56.0	53.1	48.6	44.6	40.6	36.6	33.8	29.8	27.5	24.7	21.8
8	62.3	59.4	57.1	56.0	54.9	53.1	52.0	46.3	41.2	38.3	34.3	32.1	28.6	26.4	23.5	21.2
2	61.9	59.6	57.8	56.6	54.3	54.3	50.8	47.3	43.8	39.7	35.0	32.7	28.6	26.3	23.9	21.0
8	61.1	58.8	57.1	56.0	54.3	52.6	50.9	45.2	41.8	37.8	33.8	31.5	28.1	26.4	23.5	20.7
9	60.7	57.3	56.2	55.0	53.3	51.1	48.8	45.4	41.5	38.1	34.1	31.9	28.5	26.2	23.4	20.6
2	59.3	55.8	54.1	53.5	53.0	50.1	47.8	43.8	39.7	36.3	33.4	30.5	27.1	24.2	22.5	20.8
8	49.5	42.6	38.0	38.0	38.0	36.3	35.1	32.8	32.3	26.5	26.0	21.9	21.4	19.6	17.3	16.2
4	47.1	38.6	36.9	37.5	36.9	35.8	31.9	30.7	27.9	26.8	22.8	21.1	20.6	18.3	16.6	14.9
0	65.5	62.5	58.8	58.2	55.8	55.8	53.9	49.7	43.6	39.9	38.1	32.6	30.2	28.3	25.3	22.2
0	59.3	55.8	53.5	53.0	51.8	49.5	47.2	42.0	38.6	36.3	32.3	30.0	26.5	24.2	21.9	19.6
9	61.8	58.4	56.7	55.6	54.5	51.6	49.4	46.0	42.0	38.1	34.7	31.3	29.0	26.2	24.0	21.1
6	66.1	63.2	62.0	60.9	59.7	57.4	55.1	50.4	45.8	41.8	38.3	34.8	31.3	28.4	25.0	22.6
1	65.1	63.4	61.1	60.5	59.4	56.6	54.3	50.3	45.7	41.2	37.8	33.8	30.4	28.1	25.2	22.4
6	64.6	61.8	60.1	59.0	57.9	55.6	53.3	48.8	44.3	40.3	36.9	33.6	30.2	27.3	24.5	22.3
6	66.2	63.9	62.1	61.0	60.4	57.5	55.2	50.7	46.1	42.0	38.0	34.6	31.1	27.7	25.4	22.5
8	67.3	65.6	63.3	62.1	61.0	58.7	56.4	51.8	46.6	43.2	39.2	35.7	32.3	28.8	26.0	23.1
3	66.9	65.2	64.1	62.4	61.2	58.4	56.7	51.6	47.1	43.2	39.2	35.3	32.4	29.0	26.2	23.4
8	67.9	66.2	63.9	62.1	61.0	58.1	56.4	51.8	47.2	43.2	38.6	35.1	31.7	28.8	25.4	22.5
0	67.1	65.3	63.0	61.8	61.2	58.2	55.9	51.2	46.5	42.9	38.8	34.7	31.7	28.2	25.3	22.9
7	67.2	65.5	63.8	62.0	61.4	59.1	56.2	51.6	47.5	42.9	38.9	35.4	31.9	28.4	25.5	23.2
7	65.8	64.1	62.9	61.2	60.1	57.3	55.6	50.5	46.6	42.0	38.6	34.7	31.9	28.5	25.1	22.8
2	67.2	66.0	63.7	62.5	61.3	59.0	56.6	52.0	47.3	43.2	39.1	35.6	32.1	28.6	25.7	22.8
3	67.3	65.6	63.9	62.1	61.0	58.1	56.4	51.2	46.6	42.6	38.6	35.1	31.7	28.3	25.4	22.5

300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
3.4	40.6	36.7	33.9	30.0	27.2	24.9	22.7	19.9	17.6	16.0	13.2	7.0
5.3	41.8	37.6	34.7	30.6	28.2	25.3	22.9	20.5	18.2	16.4	12.9	7.0
8.0	43.5	40.0	35.5	32.1	28.6	25.8	23.0	20.7	17.8	16.1	12.7	7.0
4.6	40.6	36.6	33.8	29.8	27.5	24.7	21.8	19.5	17.8	15.5	12.1	7.0
1.2	38.3	34.3	32.1	28.6	26.4	23.5	21.2	19.0	17.3	15.0	12.1	7.0
3.8	39.7	35.0	32.7	28.6	26.3	23.9	21.0	19.3	16.9	15.2	12.3	7.0
1.8	37.8	33.8	31.5	28.1	26.4	23.5	20.7	19.0	16.7	15.0	12.1	7.0
1.5	38.1	34.1	31.9	28.5	26.2	23.4	20.6	18.3	17.2	14.9	11.5	7.0
9.7	36.3	33.4	30.5	27.1	24.2	22.5	20.8	17.9	16.8	14.5	11.9	7.0
2.3	26.5	26.0	21.9	21.4	19.6	17.3	16.2	14.5	13.9	11.6	10.4	7.0
7.9	26.8	22.8	21.1	20.6	18.3	16.6	14.9	14.3	13.2	12.1	10.4	7.0
3.6	39.9	38.1	32.6	30.2	28.3	25.3	22.2	20.4	17.4	16.1	12.5	7.0
8.6	36.3	32.3	30.0	26.5	24.2	21.9	19.6	17.3	16.2	14.5	11.0	7.0
2.0	38.1	34.7	31.3	29.0	26.2	24.0	21.1	18.9	16.6	15.5	12.1	7.0
5.8	41.8	38.3	34.8	31.3	28.4	25.0	22.6	20.3	17.4	16.3	12.8	7.0
5.7	41.2	37.8	33.8	30.4	28.1	25.2	22.4	20.1	17.8	16.1	12.1	7.0
4.3	40.3	36.9	33.6	30.2	27.3	24.5	22.3	20.0	17.7	15.5	12.1	7.0
6.1	42.0	38.0	34.6	31.1	27.7	25.4	22.5	19.6	17.9	15.6	12.2	7.0
6.6	43.2	39.2	35.7	32.3	28.8	26.0	23.1	20.8	18.5	16.8	12.7	7.0
7.1	43.2	39.2	35.3	32.4	29.0	26.2	23.4	21.1	18.9	16.0	12.7	7.0
7.2	43.2	38.6	35.1	31.7	28.8	25.4	22.5	20.2	17.9	16.2	12.7	7.0
6.5	42.9	38.8	34.7	31.7	28.2	25.3	22.9	20.0	17.6	15.8	12.3	7.0
7.5	42.9	38.9	35.4	31.9	28.4	25.5	23.2	20.9	18.6	16.8	12.8	7.0
6.6	42.0	38.6	34.7	31.9	28.5	25.1	22.8	20.6	17.7	16.0	12.7	7.0
7.3	43.2	39.1	35.6	32.1	28.6	25.7	22.8	20.4	17.5	16.3	12.8	7.0
6.6	42.6	38.6	35.1	31.7	28.3	25.4	22.5	20.2	17.9	16.2	12.2	7.0

Table A8 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
60	-23.1	76.5	74.8	73.6	70.7	66.1	63.8	62.6	60.9	59.7	56.8	55.1	49
61	-23.1	76.5	75.9	74.8	72.4	69.6	67.8	65.5	63.8	62.6	60.3	58.0	53
62	-22.8	76.5	75.4	74.2	70.2	66.2	63.9	62.1	61.0	59.3	57.0	55.2	50
63	-22.8	76.5	75.4	74.8	71.9	68.5	66.7	65.0	63.3	62.1	59.8	57.0	52
64	-22.4	76.5	74.8	73.7	70.3	65.8	63.5	61.2	60.1	59.0	56.2	54.5	49
65	-22.4	76.5	75.2	73.9	71.9	68.0	66.0	64.0	63.4	61.4	58.8	56.8	51
66	-28.0	76.5	75.9	74.8	71.9	69.0	66.7	65.0	63.9	61.6	58.7	57.0	52
66A	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
67	-28.0	76.5	75.9	75.3	73.0	70.7	69.5	67.7	66.6	64.8	62.5	60.1	54
68	-28.0	76.5	79.0	79.0	77.8	77.1	76.5	75.9	75.2	75.2	72.1	68.4	60
69	-28.0	76.5	75.9	74.7	73.6	71.2	69.4	67.7	65.9	65.3	62.4	60.0	54
70	-28.0	76.5	76.5	75.9	75.4	73.1	72.6	69.8	68.7	67.5	63.6	61.4	55
71	-28.0	76.5	76.5	75.9	74.8	71.9	70.8	69.0	67.3	65.6	63.9	60.4	55
71A	-28.0	76.5	77.1	75.4	74.2	71.9	70.2	69.1	67.4	65.7	62.8	60.0	55
72	-28.0	76.5	75.4	74.2	71.4	68.0	65.7	64.0	62.8	61.7	58.8	56.6	52
73	-23.5	76.5	75.3	73.6	70.1	65.4	62.5	61.3	59.0	57.8	55.5	53.7	49
74	-23.5	76.5	74.8	73.7	70.2	66.2	64.0	62.8	61.1	60.0	57.1	55.4	50
75	-22.8	76.5	74.8	73.7	70.8	67.4	65.1	64.0	62.3	61.1	57.7	56.0	51
76	-28.0	76.5	75.9	74.8	71.9	69.0	65.5	64.9	63.2	61.4	59.1	56.8	51
76A	-28.0	76.5	75.9	74.8	72.5	68.5	66.2	64.4	62.7	61.6	58.7	56.4	51
77	-28.0	76.5	75.9	74.8	71.9	69.6	67.3	66.2	63.9	62.7	60.4	57.5	53
78	-28.0	76.5	75.9	74.7	73.0	70.6	68.8	67.1	66.5	64.7	62.4	60.0	55
79	-28.0	76.5	76.5	75.4	73.6	71.3	69.6	68.5	66.7	65.0	62.7	59.8	55
80	-28.0	76.5	75.9	74.8	73.1	71.4	69.1	68.0	66.8	65.1	62.3	60.0	54
81	-28.0	76.5	76.5	75.4	73.7	71.4	69.7	68.5	66.8	65.1	62.8	60.0	55
81A	-28.0	76.5	76.5	75.4	73.1	71.9	69.1	68.0	66.8	65.7	62.8	60.5	54

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=72
70.7	66.1	63.8	62.6	60.9	59.7	56.8	55.1	49.9	46.4	41.8	37.7	34.2	30.7	27.9	25.0	22.1
72.4	69.6	67.8	65.5	63.8	62.6	60.3	58.0	53.3	48.7	44.1	40.0	36.5	33.1	29.6	26.7	23.8
70.2	66.2	63.9	62.1	61.0	59.3	57.0	55.2	50.1	46.1	42.0	38.0	34.6	31.1	28.3	25.4	22.5
71.9	68.5	66.7	65.0	63.3	62.1	59.8	57.0	52.4	47.8	43.8	39.7	36.3	32.3	29.4	26.5	23.1
70.3	65.8	63.5	61.2	60.1	59.0	56.2	54.5	49.4	44.9	41.5	37.5	34.1	30.7	27.9	25.1	22.3
71.9	68.0	66.0	64.0	63.4	61.4	58.8	56.8	51.6	48.3	47.0	47.7	47.0	46.3	33.9	29.9	26.7
71.9	69.0	66.7	65.0	63.9	61.6	58.7	57.0	52.4	47.8	43.8	39.7	35.7	32.3	29.4	26.0	23.7
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
73.0	70.7	69.5	67.7	66.6	64.8	62.5	60.1	54.9	50.2	45.5	40.9	37.4	33.9	30.4	26.9	23.9
77.8	77.1	76.5	75.9	75.2	75.2	72.1	68.4	60.8	55.2	50.2	44.6	40.8	36.4	32.7	29.5	25.8
73.6	71.2	69.4	67.7	65.9	65.3	62.4	60.0	54.7	50.6	45.3	41.2	37.6	34.1	30.6	27.0	24.1
75.4	73.1	72.6	69.8	68.7	67.5	63.6	61.4	55.8	50.7	45.7	41.8	37.8	33.9	30.5	27.2	24.4
74.8	71.9	70.8	69.0	67.3	65.6	63.9	60.4	55.8	50.7	46.1	42.0	38.0	34.0	30.5	27.1	24.8
74.2	71.9	70.2	69.1	67.4	65.7	62.8	60.0	55.4	50.3	46.3	41.2	37.2	33.8	29.8	25.8	24.1
71.4	68.0	65.7	64.0	62.8	61.7	58.8	56.6	52.0	47.4	43.5	39.5	36.1	32.6	28.6	25.8	23.0
70.1	65.4	62.5	61.3	59.0	57.8	55.5	53.7	49.6	45.5	41.5	38.0	34.4	30.9	27.4	25.1	22.2
70.2	66.2	64.0	62.8	61.1	60.0	57.1	55.4	50.9	46.3	42.3	38.3	34.9	31.5	28.6	25.2	22.4
70.8	67.4	65.1	64.0	62.3	61.1	57.7	56.0	51.4	46.9	42.9	39.5	35.5	32.1	28.6	25.8	23.0
71.9	69.0	65.5	64.9	63.2	61.4	59.1	56.8	51.6	47.5	42.9	39.4	35.4	31.9	29.0	25.5	23.2
72.5	68.5	66.2	64.4	62.7	61.6	58.7	56.4	51.2	47.2	43.2	39.2	35.7	32.3	28.8	26.5	23.1
71.9	69.6	67.3	66.2	63.9	62.7	60.4	57.5	53.0	48.9	43.8	40.3	35.7	32.8	29.4	26.5	23.7
73.0	70.6	68.8	67.1	66.5	64.7	62.4	60.0	55.3	50.6	45.9	41.8	37.6	34.1	30.6	27.0	24.1
73.6	71.3	69.6	68.5	66.7	65.0	62.7	59.8	55.2	50.1	45.5	41.5	37.4	34.0	30.0	27.1	24.2
73.1	71.4	69.1	68.0	66.8	65.1	62.3	60.0	54.9	50.3	45.7	41.2	37.8	33.8	30.4	26.9	24.1
73.7	71.4	69.7	68.5	66.8	65.1	62.8	60.0	55.4	50.3	45.7	41.8	37.8	33.8	30.9	27.5	24.7
73.1	71.9	69.1	68.0	66.8	65.7	62.8	60.5	54.9	50.3	45.7	41.8	38.3	33.8	30.4	26.9	24.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
46.4	41.8	37.7	34.2	30.7	27.9	25.0	22.1	19.7	17.4	15.7	11.6	7.0
48.7	44.1	40.0	36.5	33.1	29.6	26.7	23.8	21.5	19.2	16.8	13.4	7.0
46.1	42.0	38.0	34.6	31.1	28.3	25.4	22.5	19.6	17.9	15.6	12.2	7.0
47.8	43.8	39.7	36.3	32.3	29.4	26.5	23.1	20.8	18.5	16.2	12.7	7.0
44.9	41.5	37.5	34.1	30.7	27.9	25.1	22.3	20.0	17.7	15.5	12.1	7.0
48.3	47.0	47.7	47.0	46.3	33.9	29.9	26.7	23.4	20.8	18.1	14.2	7.0
47.8	43.8	39.7	35.7	32.3	29.4	26.0	23.7	20.8	18.5	16.8	12.7	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
50.2	45.5	40.9	37.4	33.9	30.4	26.9	23.9	21.6	18.7	16.3	12.8	7.0
55.2	50.2	44.6	40.8	36.4	32.7	29.5	25.8	22.7	20.1	17.6	13.9	7.0
50.6	45.3	41.2	37.6	34.1	30.6	27.0	24.1	21.7	18.8	16.4	12.9	7.0
50.7	45.7	41.8	37.8	33.9	30.5	27.2	24.4	21.6	19.3	16.5	13.2	7.0
50.7	46.1	42.0	38.0	34.0	30.5	27.1	24.8	21.9	19.1	16.8	12.7	7.0
50.3	46.3	41.2	37.2	33.8	29.8	25.8	24.1	21.2	19.0	16.7	12.7	7.0
47.4	43.5	39.5	36.1	32.6	28.6	25.8	23.0	20.7	18.4	16.1	13.3	7.0
45.5	41.5	38.0	34.4	30.9	27.4	25.1	22.2	19.3	17.5	15.8	12.3	7.0
46.3	42.3	38.3	34.9	31.5	28.6	25.2	22.4	20.1	17.8	15.5	12.1	7.0
46.9	42.9	39.5	35.5	32.1	28.6	25.8	23.0	20.1	18.4	15.5	12.7	7.0
47.5	42.9	39.4	35.4	31.9	29.0	25.5	23.2	20.3	18.4	15.7	12.2	7.0
47.2	43.2	39.2	35.7	32.3	28.8	26.5	23.1	20.8	18.5	16.2	12.7	7.0
48.9	43.8	40.3	35.7	32.8	29.4	26.5	23.7	20.2	18.5	16.2	12.7	7.0
50.6	45.9	41.8	37.6	34.1	30.6	27.0	24.1	22.3	19.4	17.0	13.5	7.0
50.1	45.5	41.5	37.4	34.0	30.0	27.1	24.2	21.4	19.1	16.8	12.7	7.0
50.3	45.7	41.2	37.8	33.8	30.4	26.9	24.1	21.2	19.0	17.3	13.3	7.0
50.3	45.7	41.8	37.8	33.8	30.9	27.5	24.7	21.8	19.5	17.3	13.3	7.0
50.3	45.7	41.8	38.3	33.8	30.4	26.9	24.1	21.8	19.0	16.7	12.7	7.0

Table A8 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
82	-22.8	76.5	75.3	73.0	70.1	65.5	63.8	62.6	60.9	60.3	57.4	55.1	50.
83	-22.8	76.5	74.8	73.7	69.7	66.8	64.5	64.0	61.7	61.1	58.3	56.0	51.
84	-22.8	76.5	74.8	73.1	69.1	65.7	63.4	62.3	61.1	60.0	57.1	55.4	50
85	-22.8	76.5	74.8	73.7	70.8	67.4	65.7	64.5	62.8	62.3	59.4	57.1	52.
86	-25.5	76.5	75.9	75.4	74.8	73.1	72.0	70.3	68.6	67.5	64.6	61.2	56.
87	-48.0	76.5	73.1	73.1	69.2	66.9	64.1	64.1	61.8	61.8	59.0	56.7	52
88	-36.0	76.5	73.0	72.4	67.8	66.1	63.8	62.6	61.4	60.3	58.0	55.7	50.
89	-48.0	76.5	73.1	73.1	69.0	67.3	65.0	65.0	63.3	62.1	59.8	57.0	51
90	-48.0	76.5	72.5	72.0	68.6	66.9	64.6	64.1	62.4	61.2	58.4	56.2	51.
91	-48.0	76.5	73.1	72.5	68.6	66.9	64.6	64.1	62.4	61.8	59.0	56.2	51.
92	-36.0	76.5	73.1	72.5	69.0	66.7	65.0	63.9	62.7	62.1	58.7	56.4	51.
93	-36.0	76.5	74.9	72.8	65.9	63.8	61.6	60.1	58.5	58.5	55.3	52.6	48.
94	-36.0	76.5	74.2	73.1	70.2	67.9	65.6	63.9	62.7	61.6	58.7	56.4	51.
95	-48.0	76.5	74.1	71.7	66.9	61.5	58.5	56.1	54.3	53.7	52.5	49.5	45.
96	-48.0	76.5	74.2	70.7	64.3	58.5	55.7	53.3	51.6	51.6	49.9	47.0	44.
97	-48.0	76.5	73.1	69.7	62.9	56.2	52.2	49.9	46.6	47.7	45.4	43.7	40.
98	-31.0	76.5	75.4	74.2	72.0	70.3	68.0	66.3	65.2	63.5	60.7	57.9	52.
99	-42.0	76.5	74.0	71.4	65.8	61.3	56.9	53.8	51.9	52.5	50.0	47.4	43.
100	-27.8	76.5	74.8	73.0	70.1	67.2	65.5	63.8	63.2	61.4	59.1	56.8	52.
101	-49.5	76.5	74.7	73.6	70.6	67.7	65.9	64.1	63.5	62.4	59.4	57.1	52.
102	-21.6	76.5	75.3	74.2	70.7	68.9	67.2	65.4	64.2	63.1	60.1	57.2	52.
103	-41.6	76.5	74.1	72.3	69.9	66.8	64.4	63.2	62.0	60.8	57.8	55.3	51.
104	-17.5	76.5	74.6	72.6	70.0	67.4	65.5	64.2	62.9	62.2	59.0	57.0	51.
105	-35.2	76.5	75.4	73.1	71.4	67.4	65.7	63.4	63.4	61.1	58.8	56.0	51.
106	-31.3	76.5	75.9	74.2	72.4	69.0	66.7	64.3	63.2	62.0	59.7	56.8	52.
107	-31.3	76.5	75.9	74.8	72.4	69.0	66.1	64.3	62.0	62.0	59.7	57.4	52.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
0.1	65.5	63.8	62.6	60.9	60.3	57.4	55.1	50.4	45.8	41.8	38.3	34.2	31.3	27.9	25.0	22.6
9.7	66.8	64.5	64.0	61.7	61.1	58.3	56.0	51.4	46.9	42.9	38.9	34.9	31.5	28.6	25.2	22.4
9.1	65.7	63.4	62.3	61.1	60.0	57.1	55.4	50.3	46.3	41.8	38.3	34.9	30.9	28.1	25.8	23.0
0.8	67.4	65.7	64.5	62.8	62.3	59.4	57.1	52.6	47.4	43.5	39.5	35.5	32.1	28.6	25.8	23.0
4.8	73.1	72.0	70.3	68.6	67.5	64.6	61.2	56.7	51.6	47.1	42.6	38.6	34.7	30.7	27.9	25.1
9.2	66.9	64.1	64.1	61.8	61.8	59.0	56.7	52.2	47.7	42.6	39.2	35.8	32.4	29.0	26.2	23.4
7.8	66.1	63.8	62.6	61.4	60.3	58.0	55.7	50.4	47.0	42.9	38.3	34.8	31.3	28.4	25.0	22.6
9.0	67.3	65.0	65.0	63.3	62.1	59.8	57.0	51.8	47.8	43.2	39.2	35.7	32.3	28.8	26.0	23.1
8.6	66.9	64.6	64.1	62.4	61.2	58.4	56.2	51.6	47.1	42.6	39.2	35.3	31.9	28.5	25.6	22.8
8.6	66.9	64.6	64.1	62.4	61.8	59.0	56.2	51.6	47.7	43.7	39.2	35.3	32.4	28.5	26.2	22.8
9.0	66.7	65.0	63.9	62.7	62.1	58.7	56.4	51.2	47.8	43.2	39.2	35.7	32.3	28.8	26.0	23.1
5.9	63.8	61.6	60.1	58.5	58.5	55.3	52.6	48.4	45.2	20.4	36.7	33.5	30.9	27.2	25.0	22.4
0.2	67.9	65.6	63.9	62.7	61.6	58.7	56.4	51.8	47.8	43.2	39.7	35.7	32.3	28.8	26.0	23.1
6.9	61.5	58.5	56.1	54.3	53.7	52.5	49.5	45.3	42.3	38.8	35.8	32.2	29.2	26.8	23.8	21.4
4.3	58.5	55.7	53.3	51.6	51.6	49.9	47.0	44.1	40.6	37.1	33.6	30.7	27.9	25.0	22.6	20.3
2.9	56.2	52.2	49.9	46.6	47.7	45.4	43.7	40.3	38.1	34.1	31.9	28.5	26.2	24.0	21.7	18.9
2.0	70.3	68.0	66.3	65.2	63.5	60.7	57.9	52.8	48.2	44.3	40.9	36.4	33.0	29.6	26.8	24.0
5.8	61.3	56.9	53.8	51.9	52.5	50.0	47.4	43.6	40.5	36.1	33.5	30.4	27.9	25.3	23.4	21.5
0.1	67.2	65.5	63.8	63.2	61.4	59.1	56.8	52.2	48.1	43.5	36.5	36.0	32.5	27.9	26.7	23.8
0.6	67.7	65.9	64.1	63.5	62.4	59.4	57.1	52.4	47.6	42.9	40.0	35.9	32.3	28.8	25.8	23.5
0.7	68.9	67.2	65.4	64.2	63.1	60.1	57.2	52.6	48.5	44.4	39.7	35.6	32.1	28.6	26.3	23.4
9.9	66.8	64.4	63.2	62.0	60.8	57.8	55.3	51.1	49.3	47.5	46.9	40.2	35.4	31.8	28.2	25.1
0.0	67.4	65.5	64.2	62.9	62.2	59.0	57.0	51.8	47.9	43.4	39.5	35.6	32.3	29.7	27.8	27.1
1.4	67.4	65.7	63.4	63.4	61.1	58.8	56.0	51.4	46.9	42.9	38.9	34.9	31.5	28.6	25.2	23.0
2.4	69.0	66.7	64.3	63.2	62.0	59.7	56.8	52.8	48.1	44.1	39.4	36.0	32.5	29.6	25.5	23.2
2.4	69.0	66.1	64.3	62.0	62.0	59.7	57.4	52.2	48.1	43.5	39.4	36.0	32.5	29.0	26.1	23.2

300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
6.8	41.8	38.3	34.2	31.3	27.9	25.0	22.6	19.7	18.0	15.1	12.2	7.0
6.9	42.9	38.9	34.9	31.5	28.6	25.2	22.4	20.1	17.8	15.5	12.1	7.0
6.3	41.8	38.3	34.9	30.9	28.1	25.8	23.0	20.7	18.4	16.7	12.7	7.0
7.4	43.5	39.5	35.5	32.1	28.6	25.8	23.0	20.7	18.4	16.1	12.7	7.0
7.6	47.1	42.6	38.6	34.7	30.7	27.9	25.1	21.7	19.4	17.2	13.2	7.0
7.7	42.6	39.2	35.8	32.4	29.0	26.2	23.4	21.1	18.3	16.0	12.7	7.0
7.0	42.9	38.3	34.8	31.3	28.4	25.0	22.6	20.3	17.4	15.7	12.2	7.0
7.8	43.2	39.2	35.7	32.3	28.8	26.0	23.1	20.8	17.9	16.2	12.2	7.0
7.1	42.6	39.2	35.3	31.9	28.5	25.6	22.8	20.6	17.7	16.0	12.7	7.0
7.7	43.7	39.2	35.3	32.4	28.5	26.2	22.8	20.6	18.3	16.0	13.2	7.0
7.8	43.2	39.2	35.7	32.3	28.8	26.0	23.1	20.8	17.9	16.2	13.3	7.0
6.2	20.4	36.7	33.5	30.9	27.2	25.0	22.4	19.7	17.6	15.5	12.3	7.0
7.8	43.2	39.7	35.7	32.3	28.8	26.0	23.1	20.8	18.5	16.2	12.7	7.0
2.3	38.8	35.8	32.2	29.2	26.8	23.8	21.4	19.0	17.2	15.4	12.4	7.0
0.6	37.1	33.6	30.7	27.9	25.0	22.6	20.3	18.0	16.8	14.5	12.2	7.0
8.1	34.1	31.9	28.5	26.2	24.0	21.7	18.9	17.7	16.0	14.3	11.5	7.0
8.2	44.3	40.9	36.4	33.0	29.6	26.8	24.0	21.1	18.9	17.2	13.2	7.0
0.5	36.1	33.5	30.4	27.9	25.3	23.4	21.5	19.6	19.0	17.7	15.8	7.0
8.1	43.5	36.5	36.0	32.5	27.9	26.7	23.8	21.5	19.2	16.8	14.0	7.0
7.6	42.9	40.0	35.9	32.3	28.8	25.8	23.5	20.5	18.2	15.8	12.8	7.0
8.5	44.4	39.7	35.6	32.1	28.6	26.3	23.4	21.0	19.3	16.3	12.8	7.0
9.3	47.5	46.9	40.2	35.4	31.8	28.2	25.1	21.5	19.1	16.7	13.0	7.0
7.9	43.4	39.5	35.6	32.3	29.7	27.8	27.1	26.5	26.5	26.5	14.8	7.0
6.9	42.9	38.9	34.9	31.5	28.6	25.2	23.0	20.1	17.8	16.1	12.7	7.0
8.1	44.1	39.4	36.0	32.5	29.6	25.5	23.2	20.3	18.0	16.3	12.8	7.0
8.1	43.5	39.4	36.0	32.5	29.0	26.1	23.2	20.9	18.6	16.3	12.8	7.0

Table A8 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
108	-23.1	76.5	76.5	74.8	73.1	68.5	66.2	63.9	61.0	61.6	58.7	56.4	51.
109	-23.1	76.5	76.5	74.8	73.7	69.7	67.4	65.7	64.0	63.4	60.5	58.3	52
110	-22.8	76.5	75.9	74.7	72.9	69.4	66.4	64.6	64.0	61.6	59.3	56.9	51
111	-22.8	76.5	74.8	74.2	72.4	69.6	67.2	65.5	64.3	63.2	60.3	58.0	52.
112	-22.4	76.5	75.9	74.2	71.9	68.5	65.6	63.9	62.7	61.0	58.7	56.4	51.
113	-22.4	76.5	75.8	74.4	72.3	69.6	67.5	65.4	62.6	61.9	59.8	57.0	51
114	-28.0	76.5	75.9	74.2	72.5	69.6	67.3	65.0	63.3	62.7	59.8	57.0	52.
114A	-28.0	76.5	75.9	74.2	73.1	69.7	66.9	64.6	64.1	61.8	59.5	56.7	52
115	-28.0	76.5	76.5	75.3	74.8	70.7	69.0	67.8	66.1	64.3	62.0	59.1	53.
116	-28.0	76.5	76.5	75.9	74.2	71.9	70.8	68.5	67.9	65.6	63.3	60.4	55
117	-28.0	76.5	75.9	75.4	73.7	71.9	70.2	68.5	67.4	65.7	64.0	60.5	55.
118	-28.0	76.5	76.5	75.4	74.2	72.5	70.8	69.1	66.8	66.2	64.0	61.1	55.
119	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
119A	-28.0	76.5	76.5	75.4	74.8	72.5	70.8	68.5	67.9	66.2	63.9	61.0	55
120	-23.5	76.5	75.8	73.9	70.6	66.7	63.4	60.8	60.1	58.1	55.5	52.2	47
121	-23.5	76.5	76.5	74.7	73.6	70.1	67.2	66.0	64.8	63.1	60.1	57.8	53.
122	-22.8	76.5	75.9	74.8	73.1	70.2	67.9	65.6	64.4	62.7	59.8	57.5	53
123	-22.8	76.5	75.9	74.8	71.9	68.5	65.6	63.9	62.1	61.0	58.7	56.4	51.
124	-28.0	76.5	76.5	74.8	73.0	70.1	67.8	66.1	63.8	62.6	60.3	58.0	52.
124A	-28.0	76.5	75.9	74.8	73.1	69.6	67.3	65.0	63.3	62.1	59.8	57.5	52.
125	-28.0	76.5	75.9	75.3	74.1	71.1	69.9	68.0	66.8	64.4	62.6	60.8	55.
126	-28.0	76.5	76.5	75.9	74.8	72.5	70.8	68.5	67.3	65.6	63.3	60.4	55.
127	-28.0	76.5	76.5	75.9	74.8	72.5	70.8	69.0	68.5	66.7	63.3	61.0	55.
128	-28.0	76.5	75.9	75.4	74.2	71.9	70.8	68.5	68.0	65.7	62.8	60.5	55.
129	-28.0	76.5	75.9	75.3	74.7	72.9	71.7	69.4	68.2	66.4	64.0	61.1	56.
129A	-28.0	76.5	75.9	75.9	74.2	71.9	70.8	68.5	67.3	65.6	63.3	60.4	55.

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
73.1	68.5	66.2	63.9	61.0	61.6	58.7	56.4	51.2	47.2	43.2	39.2	35.1	31.7	28.3	25.4	23.1
73.7	69.7	67.4	65.7	64.0	63.4	60.5	58.3	52.6	49.2	44.0	40.0	36.6	33.2	29.8	26.4	23.5
72.9	69.4	66.4	64.6	64.0	61.6	59.3	56.9	51.6	47.4	43.2	39.1	35.5	31.9	29.0	26.0	23.6
72.4	69.6	67.2	65.5	64.3	63.2	60.3	58.0	52.8	48.1	44.1	40.0	36.5	32.5	29.0	26.7	23.2
71.9	68.5	65.6	63.9	62.7	61.0	58.7	56.4	51.2	46.6	42.6	38.6	35.1	31.7	28.3	26.0	23.1
72.3	69.6	67.5	65.4	62.6	61.9	59.8	57.0	51.5	46.6	41.8	37.6	33.4	29.9	26.5	23.0	20.2
72.5	69.6	67.3	65.0	63.3	62.7	59.8	57.0	52.4	48.4	43.8	39.7	36.3	32.3	29.4	26.0	22.5
73.1	69.7	66.9	64.6	64.1	61.8	59.5	56.7	52.8	48.2	43.7	39.8	35.8	33.0	29.6	26.2	23.4
74.8	70.7	69.0	67.8	66.1	64.3	62.0	59.1	53.9	49.3	44.6	40.6	37.1	33.1	29.6	26.7	23.8
74.2	71.9	70.8	68.5	67.9	65.6	63.3	60.4	55.2	50.1	46.1	41.5	38.0	34.0	30.5	27.7	24.2
73.7	71.9	70.2	68.5	67.4	65.7	64.0	60.5	55.4	50.3	46.3	41.8	37.8	33.8	30.9	27.5	24.1
74.2	72.5	70.8	69.1	66.8	66.2	64.0	61.1	55.4	50.9	46.3	41.8	37.8	34.3	30.4	27.5	24.1
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
74.8	72.5	70.8	68.5	67.9	66.2	63.9	61.0	55.8	50.1	46.6	41.5	38.0	34.0	30.0	27.1	24.2
70.6	66.7	63.4	60.8	60.1	58.1	55.5	52.2	47.0	41.8	38.5	33.9	29.9	26.7	22.7	19.5	16.8
73.6	70.1	67.2	66.0	64.8	63.1	60.1	57.8	53.1	49.1	44.4	40.3	36.8	32.7	29.8	26.9	23.9
73.1	70.2	67.9	65.6	64.4	62.7	59.8	57.5	53.0	48.4	43.8	40.3	35.7	32.3	28.8	26.0	23.1
71.9	68.5	65.6	63.9	62.1	61.0	58.7	56.4	51.2	46.6	42.6	39.2	35.1	31.7	28.8	25.4	22.5
73.0	70.1	67.8	66.1	63.8	62.6	60.3	58.0	52.8	48.7	44.1	40.0	36.5	33.1	29.6	26.7	23.8
73.1	69.6	67.3	65.0	63.3	62.1	59.8	57.5	52.4	48.4	43.8	39.7	36.3	32.8	29.4	26.0	23.7
74.1	71.1	69.9	68.0	66.8	64.4	62.6	60.8	55.3	50.5	46.9	42.1	38.4	34.8	31.2	28.2	24.5
74.8	72.5	70.8	68.5	67.3	65.6	63.3	60.4	55.2	50.1	46.1	42.0	37.4	34.0	30.5	27.1	24.2
74.8	72.5	70.8	69.0	68.5	66.7	63.3	61.0	55.8	50.7	46.6	42.6	38.0	34.0	31.1	27.7	24.8
74.2	71.9	70.8	68.5	68.0	65.7	62.8	60.5	55.4	50.9	46.3	41.8	38.3	34.3	30.4	27.5	24.1
74.7	72.9	71.7	69.4	68.2	66.4	64.0	61.1	56.3	51.0	46.8	42.6	38.5	34.3	30.8	27.8	24.8
74.2	71.9	70.8	68.5	67.3	65.6	63.3	60.4	55.2	50.7	46.1	42.0	37.4	34.0	30.0	27.1	24.2

300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
7.2	43.2	39.2	35.1	31.7	28.3	25.4	23.1	20.2	17.9	15.6	12.2	7.0
9.2	44.0	40.0	36.6	33.2	29.8	26.4	23.5	20.7	19.0	16.7	12.7	7.0
7.4	43.2	39.1	35.5	31.9	29.0	26.0	23.6	20.7	18.3	15.9	12.3	7.0
8.1	44.1	40.0	36.5	32.5	29.0	26.7	23.2	20.9	18.6	16.3	12.8	7.0
6.6	42.6	38.6	35.1	31.7	28.3	26.0	23.1	20.2	17.9	16.2	12.2	7.0
6.6	41.8	37.6	33.4	29.9	26.5	23.0	20.2	16.7	15.3	12.6	9.8	7.0
8.4	43.8	39.7	36.3	32.3	29.4	26.0	22.5	20.2	17.9	15.6	12.2	7.0
8.2	43.7	39.8	35.8	33.0	29.6	26.2	23.4	21.1	18.9	16.6	13.2	7.0
9.3	44.6	40.6	37.1	33.1	29.6	26.7	23.8	21.5	19.2	16.8	12.8	7.0
0.1	46.1	41.5	38.0	34.0	30.5	27.7	24.2	21.9	19.1	16.8	13.3	7.0
0.3	46.3	41.8	37.8	33.8	30.9	27.5	24.1	21.8	19.0	17.3	13.3	7.0
0.9	46.3	41.8	37.8	34.3	30.4	27.5	24.1	21.2	19.0	16.7	12.7	7.0
-	—	—	—	—	—	—	—	—	—	—	—	—
0.1	46.6	41.5	38.0	34.0	30.0	27.1	24.2	21.4	19.1	16.8	13.3	7.0
1.8	38.5	33.9	29.9	26.7	22.7	19.5	16.8	13.6	11.6	9.6	12.8	7.0
9.1	44.4	40.3	36.8	32.7	29.8	26.9	23.9	21.0	18.7	16.3	12.8	7.0
8.4	43.8	40.3	35.7	32.3	28.8	26.0	23.1	20.8	18.5	16.2	12.7	7.0
6.6	42.6	39.2	35.1	31.7	28.8	25.4	22.5	20.2	17.9	15.6	12.2	7.0
8.7	44.1	40.0	36.5	33.1	29.6	26.7	23.8	20.9	18.6	16.3	12.8	7.0
8.4	43.8	39.7	36.3	32.8	29.4	26.0	23.7	20.8	18.5	16.2	12.7	7.0
0.5	46.9	42.1	38.4	34.8	31.2	28.2	24.5	22.1	19.7	17.3	13.6	7.0
0.1	46.1	42.0	37.4	34.0	30.5	27.1	24.2	21.4	19.6	17.3	13.3	7.0
0.7	46.6	42.6	38.0	34.0	31.1	27.7	24.8	21.9	19.6	17.3	13.3	7.0
0.9	46.3	41.8	38.3	34.3	30.4	27.5	24.1	21.2	19.0	16.7	12.7	7.0
1.0	46.8	42.6	38.5	34.3	30.8	27.8	24.8	21.9	18.9	16.5	12.3	7.0
0.7	46.1	42.0	37.4	34.0	30.0	27.1	24.2	21.4	19.1	16.8	13.3	7.0

Table A8 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
130	-22.8	76.5	76.5	74.2	72.4	69.0	66.1	64.3	62.0	61.4	49.1	56.8	51.
131	-22.8	76.5	75.3	74.2	72.4	68.9	66.6	64.8	63.1	61.9	59.6	57.2	52.
132	-22.8	76.5	75.4	74.2	71.9	69.0	66.7	65.0	63.3	62.7	59.8	57.5	53.
133	-22.8	76.5	75.9	74.2	70.2	68.0	64.5	62.3	61.1	60.0	57.7	55.4	50.
134	-48.0	76.5	74.5	68.0	54.2	43.7	42.4	43.1	43.1	43.1	29.3	28.0	26.
135	-48.0	76.5	74.2	69.6	59.8	48.9	41.5	38.0	36.3	36.9	36.9	34.0	31.
136	-48.0	76.5	74.1	70.5	62.7	51.3	43.5	41.2	39.4	38.2	27.6	36.4	33.
137	-36.0	76.5	74.2	71.3	66.1	60.3	56.8	55.1	53.3	52.8	49.9	48.7	44.
138	-36.0	76.5	74.2	70.1	63.2	55.7	51.6	48.1	47.5	46.4	44.1	43.5	38.
139	-48.0	76.5	74.2	69.1	59.4	50.3	43.5	40.0	38.3	37.8	36.1	34.9	31.
140	-47.0	76.5	74.2	71.8	69.5	64.8	64.2	63.7	63.1	61.3	59.0	57.2	50.
141	-51.0	76.5	74.2	72.4	70.7	67.2	66.6	66.0	64.2	63.1	60.1	57.8	52.
142	-45.0	76.5	74.1	71.1	65.6	59.6	56.0	50.5	49.3	48.7	44.5	43.3	40.
143	-49.0	76.5	74.1	70.6	63.5	57.7	52.4	50.0	48.8	46.5	43.5	42.3	39.
144	-31.0	76.5	74.1	70.0	61.6	52.1	44.4	42.0	40.3	38.5	38.5	36.1	33.
144A	-31.0	76.5	74.2	70.7	66.0	59.6	55.5	53.1	50.8	49.6	47.3	46.1	42.
145	-51.4	7.0	3.0	3.6	3.6	21.9	24.8	24.2	23.6	23.6	23.1	22.5	21.
146	-49.0	76.5	73.6	70.1	63.7	56.1	51.4	48.5	47.9	46.7	44.4	43.2	39.
147	-46.6	76.5	73.1	68.0	57.7	45.7	37.2	33.2	31.5	30.4	30.4	28.6	26.
148	-45.0	76.5	71.9	67.2	56.8	45.2	38.3	35.4	34.2	33.6	31.9	30.7	29.
149	-45.0	76.5	72.3	66.9	56.7	44.7	36.4	31.0	28.6	27.4	26.8	26.2	23.
149A	-45.0	76.5	75.3	73.4	71.6	69.1	67.3	66.0	64.2	63.6	61.1	58.0	53.
150	-45.0	76.5	70.2	64.4	53.0	40.3	32.8	29.4	27.7	27.7	26.5	26.0	24.
151	-38.0	76.5	70.1	63.1	50.2	34.4	25.7	22.2	21.6	20.4	21.0	19.8	18.
152	-38.0	76.5	70.5	64.5	56.5	55.1	39.7	35.7	35.1	33.7	33.1	31.7	29.
153	-38.0	76.5	69.6	62.7	50.1	35.1	26.0	21.4	20.8	19.1	19.1	19.6	18.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
2.4	69.0	66.1	64.3	62.0	61.4	49.1	56.8	51.6	47.5	43.5	38.9	35.4	31.9	28.4	25.5	22.6
2.4	68.9	66.6	64.8	63.1	61.9	59.6	57.2	52.6	47.9	43.8	40.3	35.6	32.7	29.2	25.7	23.4
1.9	69.0	66.7	65.0	63.3	62.7	59.8	57.5	53.0	48.4	44.3	39.7	36.3	32.8	29.4	26.5	23.7
0.2	68.0	64.5	62.3	61.1	60.0	57.7	55.4	50.3	46.3	42.3	38.3	34.9	31.5	28.6	25.2	22.4
4.2	43.7	42.4	43.1	43.1	43.1	29.3	28.0	26.0	24.7	22.1	21.4	20.1	18.1	16.8	15.5	14.2
9.8	48.9	41.5	38.0	36.3	36.9	36.9	34.0	31.7	29.4	26.5	24.8	22.5	20.8	19.6	17.9	16.2
2.7	51.3	43.5	41.2	39.4	38.2	27.6	36.4	33.4	31.0	28.6	25.6	23.8	22.0	20.2	18.4	17.2
6.1	60.3	56.8	55.1	53.3	52.8	49.9	48.7	44.6	41.2	36.0	34.2	30.7	27.3	25.0	22.1	20.3
3.2	55.7	51.6	48.1	47.5	46.4	44.1	43.5	38.3	36.5	33.1	29.6	27.3	24.4	22.1	20.3	18.6
9.4	50.3	43.5	40.0	38.3	37.8	36.1	34.9	31.5	29.2	26.9	25.2	22.4	20.7	20.1	17.8	16.7
9.5	64.8	64.2	63.7	63.1	61.3	59.0	57.2	50.8	47.9	42.6	39.1	36.2	32.1	29.2	25.7	22.8
0.7	67.2	66.6	66.0	64.2	63.1	60.1	57.8	52.6	48.5	43.8	39.7	36.2	32.7	29.2	26.3	23.4
5.6	59.6	56.0	50.5	49.3	48.7	44.5	43.3	40.2	37.2	31.8	31.2	26.9	25.1	23.9	20.3	19.1
3.5	57.7	52.4	50.0	48.8	46.5	43.5	42.3	39.4	35.9	31.7	30.0	26.4	24.1	22.3	20.5	18.8
1.6	52.1	44.4	42.0	40.3	38.5	38.5	36.1	33.1	31.4	26.6	26.6	23.0	21.9	19.5	18.3	17.1
6.0	59.6	55.5	53.1	50.8	49.6	47.3	46.1	42.0	38.5	34.4	32.1	28.6	26.9	23.9	21.6	19.8
3.6	21.9	24.8	24.2	23.6	23.6	23.1	22.5	21.3	20.2	18.5	17.9	16.7	15.6	13.9	13.3	13.3
3.7	56.1	51.4	48.5	47.9	46.7	44.4	43.2	39.7	36.8	32.7	30.4	28.0	25.1	23.4	21.0	19.3
7.7	45.7	37.2	33.2	31.5	30.4	30.4	28.6	26.9	25.2	23.0	21.8	20.1	18.4	17.3	16.1	15.0
6.8	45.2	38.3	35.4	34.2	33.6	31.9	30.7	29.0	26.7	24.4	23.2	21.5	19.2	18.6	16.3	15.7
6.7	44.7	36.4	31.0	28.6	27.4	26.8	26.2	23.8	22.0	20.8	19.6	17.8	16.6	15.4	14.2	13.0
1.6	69.1	67.3	66.0	64.2	63.6	61.1	58.0	53.1	48.8	43.9	39.6	36.5	32.2	29.1	26.1	23.6
3.0	40.3	32.8	29.4	27.7	27.7	26.5	26.0	24.2	21.9	20.8	19.6	17.9	16.8	15.0	14.5	13.3
0.2	34.4	25.7	22.2	21.6	20.4	21.0	19.8	18.7	18.1	16.9	16.3	15.2	14.0	13.4	12.3	11.7
6.5	55.1	39.7	35.7	35.1	33.7	33.1	31.7	29.7	27.7	25.0	23.7	21.7	20.4	19.0	17.0	15.7
0.1	35.1	26.0	21.4	20.8	19.1	19.1	19.6	18.5	17.3	15.6	15.6	14.5	13.9	12.7	12.2	11.6

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
47.5	43.5	38.9	35.4	31.9	28.4	25.5	22.6	20.3	18.0	16.3	12.8	7.0
47.9	43.8	40.3	35.6	32.7	29.2	25.7	23.4	21.0	18.1	16.3	12.8	7.0
48.4	44.3	39.7	36.3	32.8	29.4	26.5	23.7	21.4	19.1	16.2	13.3	7.0
46.3	42.3	38.3	34.9	31.5	28.6	25.2	22.4	20.1	18.4	16.1	12.7	7.0
24.7	22.1	21.4	20.1	18.1	16.8	15.5	14.2	13.6	12.2	10.9	9.6	7.0
29.4	26.5	24.8	22.5	20.8	19.6	17.9	16.2	15.0	13.9	12.7	10.4	7.0
31.0	28.6	25.6	23.8	22.0	20.2	18.4	17.2	15.4	14.2	13.0	11.2	7.0
41.2	36.0	34.2	30.7	27.3	25.0	22.1	20.3	18.6	16.8	14.5	11.6	7.0
36.5	33.1	29.6	27.3	24.4	22.1	20.3	18.6	16.8	15.1	13.4	10.5	7.0
29.2	26.9	25.2	22.4	20.7	20.1	17.8	16.7	14.4	13.8	12.1	10.4	7.0
47.9	42.6	39.1	36.2	32.1	29.2	25.7	22.8	20.4	18.1	16.3	12.8	7.0
48.5	43.8	39.7	36.2	32.7	29.2	26.3	23.4	21.0	18.7	16.3	12.8	7.0
37.2	31.8	31.2	26.9	25.1	23.9	20.3	19.1	17.3	14.9	13.6	10.6	7.0
35.9	31.7	30.0	26.4	24.1	22.3	20.5	18.8	16.4	14.7	13.5	10.5	7.0
31.4	26.6	26.6	23.0	21.9	19.5	18.3	17.1	14.7	14.1	12.3	11.2	7.0
38.5	34.4	32.1	28.6	26.9	23.9	21.6	19.8	17.5	15.8	14.0	11.7	7.0
20.2	18.5	17.9	16.7	15.6	13.9	13.3	13.3	12.2	11.6	11.0	9.3	7.6
36.8	32.7	30.4	28.0	25.1	23.4	21.0	19.3	16.9	15.2	14.0	11.1	7.0
25.2	23.0	21.8	20.1	18.4	17.3	16.1	15.0	13.3	12.1	11.6	9.8	7.0
26.7	24.4	23.2	21.5	19.2	18.6	16.3	15.7	14.0	12.8	12.2	9.9	7.0
22.0	20.8	19.6	17.8	16.6	15.4	14.2	13.0	12.4	11.2	10.6	8.8	7.0
48.8	43.9	39.6	36.5	32.2	29.1	26.1	23.6	20.5	18.1	16.2	11.9	7.0
21.9	20.8	19.6	17.9	16.8	15.0	14.5	13.3	12.2	11.6	11.0	9.3	7.0
18.1	16.9	16.3	15.2	14.0	13.4	12.3	11.7	10.5	10.5	9.3	8.8	7.0
27.7	25.0	23.7	21.7	20.4	19.0	17.0	15.7	15.0	13.0	12.3	10.3	7.0
17.3	15.6	15.6	14.5	13.9	12.7	12.2	11.6	11.0	9.9	9.9	8.7	7.0

Table A8 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
154	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
155	-38.0	76.5	70.2	62.7	49.5	35.1	25.4	21.9	20.2	19.6	19.6	19.1	17.
156	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
157	-31.0	76.5	67.0	61.1	47.4	33.7	27.2	25.4	24.8	24.8	24.2	23.6	22.
158	-31.0	76.5	67.2	60.9	48.1	34.2	27.3	25.5	25.0	24.4	23.8	23.2	21.
159	5.0	76.5	66.2	60.4	47.2	34.0	27.7	26.0	25.4	24.8	24.2	23.7	21.
160	5.0	7.0	4.1	7.1	3.6	24.2	24.8	24.2	23.1	24.2	23.7	22.5	21.
161	-31.0	7.0	3.0	-5.0	-3.8	9.3	16.7	20.1	20.1	20.1	20.1	19.6	19.
162	-31.0	7.0	1.8	-6.8	-5.1	12.2	20.8	23.6	23.1	22.5	22.5	21.9	20.
163	-31.0	7.0	1.7	-6.5	-3.5	18.1	21.7	22.8	23.4	22.8	22.8	22.2	21.
164	-31.0	7.0	4.1	-5.0	-2.2	15.6	21.9	23.0	23.6	21.9	21.9	21.3	20.
165	-31.0	7.0	4.1	-4.5	0.1	15.6	20.2	21.3	21.3	20.8	20.2	20.2	19.
166	-31.0	7.0	4.7	-3.3	6.4	17.9	21.4	21.4	20.2	21.4	20.2	19.6	19.
167	-31.0	7.0	5.2	2.3	7.6	18.8	21.8	21.8	20.0	20.6	20.6	20.0	18.
167A	-31.0	7.0	7.0	7.0	8.2	8.2	7.6	7.6	7.0	7.0	7.6	7.6	7.
168	-28.5	7.0	10.4	10.4	13.3	13.9	12.7	12.2	11.6	12.2	12.2	12.2	12.
169	-24.0	7.0	11.3	13.7	17.4	22.3	23.6	22.9	24.2	22.3	22.3	21.7	19.
170	-21.0	7.0	11.2	14.2	18.4	24.4	26.7	26.7	25.0	26.1	25.5	25.0	23.
171	-27.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	8.1	7.6	7.0	7.0	7.
172	-27.0	7.0	7.6	7.6	8.2	8.2	8.2	7.6	7.6	7.6	8.2	7.6	7.
173	-27.0	7.0	6.4	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.
174	-27.0	7.0	6.4	7.0	7.6	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.
175	-27.0	7.0	8.2	8.7	8.7	8.7	8.2	7.6	8.7	8.2	8.2	8.2	7.
176	-27.0	7.0	8.2	8.2	8.2	8.2	8.2	7.6	8.7	7.6	8.2	8.2	8.
177	-34.0	7.0	8.1	8.1	8.7	8.1	8.7	7.6	8.1	7.6	7.6	7.6	8.
178	-34.0	7.0	7.8	7.8	7.8	7.8	7.8	7.0	7.8	7.0	7.8	7.8	8.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9.5	35.1	25.4	21.9	20.2	19.6	19.6	19.1	17.9	16.8	15.6	15.0	13.9	13.3	12.7	11.6	11.0
-	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7.4	33.7	27.2	25.4	24.8	24.8	24.2	23.6	22.4	20.7	19.5	18.3	17.1	15.3	14.7	14.1	12.9
8.1	34.2	27.3	25.5	25.0	24.4	23.8	23.2	21.5	20.3	19.2	18.0	16.8	15.1	14.5	14.0	12.8
7.2	34.0	27.7	26.0	25.4	24.8	24.2	23.7	21.9	20.2	19.1	18.5	17.3	15.6	14.5	13.9	12.7
8.6	24.2	24.8	24.2	23.1	24.2	23.7	22.5	21.4	20.2	18.5	17.9	17.3	15.6	14.5	13.3	12.7
8.8	9.3	16.7	20.1	20.1	20.1	20.1	19.6	19.0	17.8	16.7	16.1	15.0	13.9	13.3	12.7	12.1
5.1	12.2	20.8	23.6	23.1	22.5	22.5	21.9	20.8	19.1	17.9	17.3	16.2	15.0	13.3	13.3	12.2
8.5	18.1	21.7	22.8	23.4	22.8	22.8	22.2	21.1	19.3	18.1	17.0	16.4	15.2	14.6	13.4	12.9
2.2	15.6	21.9	23.0	23.6	21.9	21.9	21.3	20.2	18.5	17.9	16.7	15.6	14.4	14.4	13.3	12.7
0.1	15.6	20.2	21.3	21.3	20.8	20.2	20.2	19.6	18.5	17.9	17.3	16.2	15.0	14.5	13.9	12.7
6.4	17.9	21.4	21.4	20.2	21.4	20.2	19.6	19.6	19.1	17.9	16.8	15.6	15.0	13.9	13.3	12.7
7.6	18.8	21.8	21.8	20.0	20.6	20.6	20.0	18.8	17.7	16.5	15.9	14.7	14.1	12.9	12.9	11.7
8.2	8.2	7.6	7.6	7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.6	7.6	7.6	7.0	7.6	7.0
8.3	13.9	12.7	12.2	11.6	12.2	12.2	12.2	12.2	11.6	11.6	11.6	11.0	10.4	9.9	9.9	9.3
7.4	22.3	23.6	22.9	24.2	22.3	22.3	21.7	19.9	18.6	18.0	16.8	16.2	15.0	13.7	13.1	12.5
8.4	24.4	26.7	26.7	25.0	26.1	25.5	25.0	23.2	22.0	20.8	19.6	18.4	17.2	16.0	15.4	14.2
7.6	7.6	7.6	7.0	8.1	7.6	7.0	7.0	7.0	7.0	7.6	7.6	7.6	7.6	7.6	7.0	7.0
8.2	8.2	8.2	7.6	7.6	7.6	8.2	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6
7.6	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	6.4	6.4	7.0	6.4	7.0
7.6	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	6.4	6.4
8.7	8.7	8.2	7.6	8.7	8.2	8.2	8.2	7.6	7.6	8.2	8.2	8.2	7.6	8.2	7.6	8.2
8.2	8.2	8.2	7.6	8.7	7.6	8.2	8.2	8.2	8.2	8.2	7.6	7.6	7.6	7.6	7.6	7.6
8.7	8.1	8.7	7.6	8.1	7.6	7.6	7.6	8.1	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6
7.8	7.8	7.8	7.0	7.8	7.0	7.8	7.8	8.5	7.0	8.5	7.0	7.8	7.8	7.0	7.8	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
—	—	—	—	—	—	—	—	—	—	—	—	—
16.8	15.6	15.0	13.9	13.3	12.7	11.6	11.0	10.4	9.9	9.3	8.7	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
20.7	19.5	18.3	17.1	15.3	14.7	14.1	12.9	12.3	11.2	10.6	9.4	7.0
20.3	19.2	18.0	16.8	15.1	14.5	14.0	12.8	12.2	11.6	11.1	8.7	7.0
20.2	19.1	18.5	17.3	15.6	14.5	13.9	12.7	12.2	11.0	10.4	9.3	7.0
20.2	18.5	17.9	17.3	15.6	14.5	13.3	12.7	12.2	11.0	11.0	9.9	8.1
17.8	16.7	16.1	15.0	13.9	13.3	12.7	12.1	11.6	11.0	9.9	8.7	7.0
19.1	17.9	17.3	16.2	15.0	13.3	13.3	12.2	11.6	10.4	9.9	8.7	6.4
19.3	18.1	17.0	16.4	15.2	14.6	13.4	12.9	12.3	11.1	10.5	9.3	7.6
18.5	17.9	16.7	15.6	14.4	14.4	13.3	12.7	11.6	11.0	10.4	9.3	7.6
18.5	17.9	17.3	16.2	15.0	14.5	13.9	12.7	12.7	12.2	11.6	9.9	8.1
19.1	17.9	16.8	15.6	15.0	13.9	13.3	12.7	12.2	11.6	11.0	9.9	8.1
17.7	16.5	15.9	14.7	14.1	12.9	12.9	11.7	11.1	10.6	10.0	8.8	7.6
7.0	7.0	7.6	7.6	7.6	7.0	7.6	7.0	7.0	7.6	7.0	7.6	7.0
11.6	11.6	11.6	11.0	10.4	9.9	9.9	9.3	9.3	8.7	8.7	8.1	7.0
18.6	18.0	16.8	16.2	15.0	13.7	13.1	12.5	11.3	11.3	10.1	9.5	7.6
22.0	20.8	19.6	18.4	17.2	16.0	15.4	14.2	13.6	12.4	11.8	10.6	8.8
7.0	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.6
7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
7.0	7.0	7.0	6.4	6.4	7.0	6.4	7.0	7.0	6.4	7.0	7.0	6.4
7.0	7.0	7.0	7.0	7.0	6.4	6.4	6.4	7.0	6.4	7.0	7.0	6.4
7.6	8.2	8.2	8.2	7.6	8.2	7.6	8.2	7.6	7.6	7.6	8.2	8.2
8.2	8.2	7.6	7.6	7.6	7.6	7.6	7.6	8.2	8.2	7.6	7.6	8.2
7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	8.1	7.6
7.0	8.5	7.0	7.8	7.8	7.0	7.8	7.0	7.8	7.0	7.0	7.8	7.8

Table A8 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
179	-34.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7
180	-34.0	7.0	7.0	7.6	7.6	8.1	7.0	7.0	7.0	7.6	7.0	7.0	7
181	-34.0	7.0	7.6	8.1	7.6	7.6	7.6	7.0	7.0	7.6	7.6	7.0	7
182	-31.8	7.0	7.0	7.6	7.6	8.1	7.6	7.6	7.6	7.6	7.6	7.0	7
183	-31.8	7.0	6.4	7.0	7.6	7.6	7.0	7.0	7.0	6.4	7.0	7.0	7
184	-31.8	7.0	7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7
185	-31.8	7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.0	7.6	7.0	7.0	7
186	-27.0	7.0	8.2	7.6	4.1	0.0	-4.0	-4.6	-4.6	-4.0	-3.5	-2.9	-3
187	-27.0	7.0	9.9	13.3	19.0	25.2	28.7	29.8	30.4	29.3	29.2	28.1	25
188	-34.0	7.0	8.1	9.8	11.5	13.8	14.4	14.4	14.4	14.4	14.4	13.8	13
189	-34.0	—	—	—	—	—	—	—	—	—	—	—	—
190	-34.0	7.0	8.2	9.9	11.6	13.9	14.5	14.5	14.5	14.5	14.5	13.9	12
191	-34.0	7.0	7.6	10.5	15.1	20.3	22.7	23.2	23.2	23.2	23.2	22.1	20
192	-34.0	7.0	8.3	11.7	16.4	20.4	23.8	25.1	24.4	23.8	24.4	23.8	22

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.6	8.1	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0
7.6	7.6	7.6	7.0	7.0	7.6	7.6	7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.6	7.0	7.0
7.6	8.1	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6
7.6	7.6	7.0	7.0	7.0	6.4	7.0	7.0	7.0	6.4	7.0	7.0	6.4	7.0	7.0	7.0	6.4
7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0
7.6	7.6	7.0	7.0	7.0	7.6	7.0	7.0	7.6	7.0	7.6	7.0	7.0	7.6	7.0	7.0	6.4
4.1	0.0	-4.0	-4.6	-4.6	-4.0	-3.5	-2.9	-1.7	-1.7	0.0	0.6	2.3	2.9	3.5	3.5	4.7
9.0	25.2	28.7	29.8	30.4	29.3	29.2	28.1	25.8	23.5	21.8	20.7	19.0	17.8	16.7	15.6	14.4
1.5	13.8	14.4	14.4	14.4	14.4	14.4	13.8	13.8	13.2	12.1	11.5	11.5	11.0	10.4	10.4	9.8
–	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
1.6	13.9	14.5	14.5	14.5	14.5	14.5	13.9	12.8	13.3	12.8	12.2	11.6	11.0	10.5	9.9	9.9
5.1	20.3	22.7	23.2	23.2	23.2	23.2	22.1	20.9	19.2	17.4	17.4	15.7	14.5	14.0	12.8	12.2
6.4	20.4	23.8	25.1	24.4	23.8	24.4	23.8	22.4	21.1	19.8	18.4	17.1	16.4	15.7	14.4	13.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4
7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0
7.6	7.6	7.6	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6	7.0
7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0
6.4	7.0	7.0	6.4	7.0	7.0	7.0	6.4	6.4	7.0	6.4	6.4	6.4
7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4
7.0	7.6	7.0	7.0	7.6	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0
-1.7	0.0	0.6	2.3	2.9	3.5	3.5	4.7	5.3	5.8	5.3	6.4	7.0
23.5	21.8	20.7	19.0	17.8	16.7	15.6	14.4	13.8	12.7	11.6	10.4	8.1
13.2	12.1	11.5	11.5	11.0	10.4	10.4	9.8	9.8	9.3	8.7	8.1	7.6
—	—	—	—	—	—	—	—	—	—	—	—	—
13.3	12.8	12.2	11.6	11.0	10.5	9.9	9.9	9.3	8.7	8.2	7.6	7.0
19.2	17.4	17.4	15.7	14.5	14.0	12.8	12.2	11.1	10.5	9.9	8.7	7.0
21.1	19.8	18.4	17.1	16.4	15.7	14.4	13.7	13.0	11.7	11.0	9.7	9.7

Table A9
H-H Pattern System Average Piezometer Reading During Emptying Operation, Type 2 S
Single Valve Operation

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
UP	—	76.5	76.5	75.9	76.5	76.5	76.5	76.5	76.5	75.9	76.5	75.9	75.
LC	—	76.5	76.5	76.5	75.9	75.4	74.8	73.6	71.9	70.8	68.5	65.0	59.
LP	—	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.6	7.0	7.
14	-53.0	76.5	75.4	73.7	73.7	70.8	68.6	65.2	62.9	60.7	57.3	53.9	49.
15	-46.0	76.5	75.3	74.8	74.2	71.9	69.6	66.7	63.8	61.4	58.5	54.5	50.
16	-3.0	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.
17	-3.0	76.5	75.4	74.2	73.7	71.4	68.5	65.7	62.8	60.5	57.1	54.3	49.
18	-39.0	76.5	75.4	74.2	73.7	72.0	69.2	65.8	64.1	61.2	57.9	54.5	49.
19	-38.4	76.5	75.3	74.2	73.6	71.3	69.0	65.5	63.8	60.9	57.4	54.5	49.
20	-37.7	76.5	75.0	73.6	72.1	69.2	66.3	62.6	59.7	56.7	52.4	49.4	42.
21	-37.7	76.5	75.9	74.8	73.7	71.4	69.1	65.7	63.4	61.1	57.1	54.9	49.
22	-37.0	76.5	75.9	74.2	73.0	70.7	68.3	65.4	62.5	61.3	56.6	54.9	49.
23	-36.0	76.5	75.9	74.8	74.2	71.4	69.2	65.8	62.4	61.2	57.3	55.0	49.
24	-35.0	76.5	75.4	73.7	73.7	70.8	68.6	65.2	62.4	61.2	56.7	54.5	49.
25	-33.5	76.5	75.9	74.8	73.6	71.3	69.0	65.5	72.0	60.9	56.2	54.5	49.
26	-32.0	76.5	75.4	74.8	73.1	70.8	69.1	65.7	61.7	61.1	56.6	54.3	49.
27	-31.0	76.5	75.4	74.2	73.1	70.8	68.6	65.2	61.2	60.7	56.2	53.9	49.
27A	-31.0	76.5	75.9	74.8	74.2	72.5	71.4	68.6	66.9	64.6	61.8	59.5	55.
28	-42.0	76.5	74.7	74.2	73.0	70.7	68.3	65.4	61.3	60.7	56.1	54.3	50.
29	-42.0	76.5	75.9	74.2	73.1	70.8	68.6	65.2	61.8	60.7	56.2	54.5	49.
30	-42.0	76.5	75.4	74.2	73.1	70.8	68.5	65.1	61.1	60.5	56.0	54.3	50.
31	-42.0	76.5	75.9	74.8	73.6	71.3	69.0	66.1	62.6	60.3	56.2	54.5	50.
32	-53.0	76.5	75.4	74.2	73.1	70.8	68.6	65.2	61.8	60.1	55.6	53.9	49.
33	-53.0	76.5	76.5	75.9	74.2	71.9	69.0	66.1	63.2	60.9	56.8	54.5	50.
34	-53.0	76.5	75.9	74.8	73.1	70.8	68.5	65.7	62.8	60.0	56.0	54.3	50.

zometer Reading During Emptying Operation, Type 2 System, Lift 69.5 ft, Valve Speed 2 Min, Upper Pool El 76.5, l

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
6.5	76.5	76.5	76.5	76.5	75.9	76.5	75.9	75.9	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
6.9	75.4	74.8	73.6	71.9	70.8	68.5	65.0	59.3	54.1	49.5	44.3	39.7	35.7	32.3	28.8	25.4
7.0	7.0	7.0	7.0	7.6	7.0	7.6	7.0	7.6	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0
3.7	70.8	68.6	65.2	62.9	60.7	57.3	53.9	49.9	46.6	42.0	38.1	34.7	31.3	27.9	25.1	22.3
4.2	71.9	69.6	66.7	63.8	61.4	58.5	54.5	50.4	47.5	42.9	38.9	34.8	31.3	29.0	25.5	22.6
6.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
3.7	71.4	68.5	65.7	62.8	60.5	57.1	54.3	49.2	45.7	42.3	37.8	33.8	30.4	28.6	24.1	21.8
3.7	72.0	69.2	65.8	64.1	61.2	57.9	54.5	49.9	46.6	42.6	38.1	34.7	31.3	27.9	25.1	22.8
3.6	71.3	69.0	65.5	63.8	60.9	57.4	54.5	49.9	46.4	42.9	38.3	34.2	31.3	28.4	25.5	22.6
2.1	69.2	66.3	62.6	59.7	56.7	52.4	49.4	42.8	38.5	34.1	28.9	25.3	20.9	17.2	14.3	12.1
3.7	71.4	69.1	65.7	63.4	61.1	57.1	54.9	49.7	46.3	42.9	38.3	34.3	30.9	28.6	25.2	22.4
3.0	70.7	68.3	65.4	62.5	61.3	56.6	54.9	49.6	45.0	42.6	38.5	34.4	30.9	28.0	25.7	23.4
4.2	71.4	69.2	65.8	62.4	61.2	57.3	55.0	49.9	45.4	43.2	38.6	34.7	31.3	28.5	25.6	22.8
3.7	70.8	68.6	65.2	62.4	61.2	56.7	54.5	49.4	45.4	42.6	38.1	34.7	30.7	28.5	25.1	22.8
3.6	71.3	69.0	65.5	72.0	60.9	56.2	54.5	49.3	44.6	42.9	38.3	34.2	30.7	27.9	25.0	22.1
3.1	70.8	69.1	65.7	61.7	61.1	56.6	54.3	49.7	45.2	43.5	38.3	34.9	30.4	28.1	25.2	23.0
3.1	70.8	68.6	65.2	61.2	60.7	56.2	53.9	49.9	44.9	43.2	38.6	34.1	30.7	28.5	25.6	22.8
4.2	72.5	71.4	68.6	66.9	64.6	61.8	59.5	55.0	49.4	45.4	41.5	37.5	33.6	30.2	27.3	24.0
3.0	70.7	68.3	65.4	61.3	60.7	56.1	54.3	50.2	46.1	43.2	39.1	35.0	31.5	29.2	25.1	23.4
3.1	70.8	68.6	65.2	61.8	60.7	56.2	54.5	49.9	46.0	42.6	38.6	34.7	31.3	28.5	25.6	23.4
3.1	70.8	68.5	65.1	61.1	60.5	56.0	54.3	50.3	46.3	42.9	37.8	34.3	31.5	28.6	25.2	23.0
3.6	71.3	69.0	66.1	62.6	60.3	56.2	54.5	50.4	46.4	42.9	37.7	34.2	31.3	28.4	25.5	22.6
3.1	70.8	68.6	65.2	61.8	60.1	55.6	53.9	49.9	46.6	42.0	37.5	33.6	31.3	28.5	25.6	22.8
4.2	71.9	69.0	66.1	63.2	60.9	56.8	54.5	50.4	47.0	42.3	37.7	33.6	30.7	27.9	25.0	22.6
3.1	70.8	68.5	65.7	62.8	60.0	56.0	54.3	50.3	46.9	41.8	37.8	33.8	30.9	27.5	25.2	22.4

em, Lift 69.5 ft, Valve Speed 2 Min, Upper Pool El 76.5, Lower Pool El 7,

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
54.1	49.5	44.3	39.7	35.7	32.3	28.8	25.4	22.5	19.6	17.3	13.3	7.0
7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6	7.6	7.6	7.6	7.6
46.6	42.0	38.1	34.7	31.3	27.9	25.1	22.3	20.6	17.7	16.0	12.7	7.0
47.5	42.9	38.9	34.8	31.3	29.0	25.5	22.6	20.9	18.6	16.8	12.8	7.0
76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	77.1
45.7	42.3	37.8	33.8	30.4	28.6	24.1	21.8	19.5	17.3	15.5	12.1	7.0
46.6	42.6	38.1	34.7	31.3	27.9	25.1	22.8	20.0	17.7	16.6	12.7	7.0
46.4	42.9	38.3	34.2	31.3	28.4	25.5	22.6	20.3	18.0	16.3	12.8	7.0
38.5	34.1	28.9	25.3	20.9	17.2	14.3	12.1	9.9	9.9	8.5	8.5	7.0
46.3	42.9	38.3	34.3	30.9	28.6	25.2	22.4	20.7	17.8	16.7	12.7	7.0
45.0	42.6	38.5	34.4	30.9	28.0	25.7	23.4	20.4	18.1	16.3	12.8	7.0
45.4	43.2	38.6	34.7	31.3	28.5	25.6	22.8	20.6	18.3	16.6	12.7	7.0
45.4	42.6	38.1	34.7	30.7	28.5	25.1	22.8	20.0	18.3	16.0	12.7	7.0
44.6	42.9	38.3	34.2	30.7	27.9	25.0	22.1	19.7	17.4	15.7	12.2	7.0
45.2	43.5	38.3	34.9	30.4	28.1	25.2	23.0	20.1	17.8	16.1	12.7	7.0
44.9	43.2	38.6	34.1	30.7	28.5	25.6	22.8	20.0	17.7	16.6	12.7	7.0
49.4	45.4	41.5	37.5	33.6	30.2	27.3	24.0	21.7	18.9	17.2	13.2	7.0
46.1	43.2	39.1	35.0	31.5	29.2	25.1	23.4	20.4	18.1	16.3	12.3	7.0
46.0	42.6	38.6	34.7	31.3	28.5	25.6	23.4	20.6	18.3	16.0	13.8	7.0
46.3	42.9	37.8	34.3	31.5	28.6	25.2	23.0	20.1	17.8	16.7	13.3	7.0
46.4	42.9	37.7	34.2	31.3	28.4	25.5	22.6	20.3	18.0	16.3	12.8	7.0
46.6	42.0	37.5	33.6	31.3	28.5	25.6	22.8	20.0	18.3	16.0	12.7	7.0
47.0	42.3	37.7	33.6	30.7	27.9	25.0	22.6	19.7	18.0	15.7	12.2	7.0
46.9	41.8	37.8	33.8	30.9	27.5	25.2	22.4	19.5	17.3	16.1	12.7	7.0

Table A9 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
35	-53.0	76.5	75.4	74.2	73.1	70.8	68.0	65.2	62.4	59.5	56.2	53.9	49.
36	-53.0	76.5	75.9	74.7	73.5	71.7	69.4	67.0	64.6	61.6	58.1	55.7	51.
36A	-53.0	76.5	75.4	74.8	74.2	72.5	71.4	68.6	67.5	64.6	61.8	59.5	53.
37	-48.0	76.5	74.8	75.4	73.6	71.3	69.6	65.6	63.3	60.4	56.4	54.7	50.
38	-36.0	76.5	74.8	74.2	73.7	70.2	68.0	64.5	61.7	57.1	54.3	51.4	46.
39	-48.0	76.5	75.3	74.7	73.6	71.2	68.8	64.1	60.6	58.2	54.1	52.4	48.
40	-36.0	76.5	75.4	74.8	73.1	70.8	68.5	64.0	59.4	58.3	54.3	50.9	46.
41	-36.0	76.5	75.9	74.2	73.7	70.2	66.8	63.4	59.4	56.6	52.0	51.4	46.
42	-36.0	76.5	75.9	74.7	73.6	70.1	66.6	63.1	58.4	54.9	50.8	47.9	44.
43	-33.0	76.5	75.9	74.2	71.3	67.3	61.0	54.7	47.8	41.5	36.9	35.1	34.
44	-37.0	76.5	74.8	74.2	71.4	66.9	59.5	51.6	45.4	40.3	36.9	33.6	32.
45	-39.0	76.5	75.3	74.7	73.5	71.1	71.1	67.4	61.4	59.6	57.2	56.6	50.
46	-35.0	76.5	75.3	74.8	73.0	70.1	65.5	62.0	57.4	55.7	49.9	48.1	43.
47	-35.0	76.5	75.4	74.8	73.6	70.8	67.3	63.9	60.4	57.0	53.0	51.2	46.
48	-36.0	76.5	75.9	74.8	74.2	71.9	70.1	67.8	64.3	62.0	58.5	55.7	51.
49	-36.0	76.5	75.4	75.4	73.6	71.9	70.2	67.3	64.4	62.1	58.1	56.4	51.
50	-31.0	76.5	75.4	74.8	73.7	70.8	69.2	65.8	62.9	60.7	57.3	54.5	50.
51	-42.0	76.5	75.9	75.4	74.2	71.9	70.2	67.9	65.0	63.3	59.3	57.5	53.
52	-27.8	76.5	74.8	74.8	73.7	71.4	70.2	67.4	65.1	62.8	59.4	57.1	52.
53	-49.5	76.5	75.4	74.8	74.2	71.9	70.8	68.0	66.2	64.0	60.5	58.3	53.
54	-21.6	76.5	75.9	75.9	74.8	72.4	71.9	69.6	67.2	64.9	61.4	58.5	53.
55	-41.6	76.5	75.9	75.3	74.2	72.4	70.7	68.3	66.0	64.2	61.3	58.4	53.
56	-17.5	76.5	75.9	75.3	74.2	72.4	71.3	69.0	66.1	64.3	60.9	58.0	53.
57	-35.2	76.5	75.9	75.4	74.8	73.1	70.8	67.9	65.6	63.9	59.8	57.0	53.
58	-31.3	76.5	75.9	75.3	74.8	72.4	71.3	68.4	66.1	64.3	60.9	58.0	53.
59	-31.3	76.5	75.9	75.4	74.8	73.1	71.4	68.5	66.8	64.0	61.1	58.3	53.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.1	70.8	68.0	65.2	62.4	59.5	56.2	53.9	49.4	47.7	42.0	38.1	34.1	31.3	27.9	25.1	22.3
.5	71.7	69.4	67.0	64.6	61.6	58.1	55.7	51.0	48.6	43.2	39.1	34.9	32.5	29.0	26.0	23.0
.2	72.5	71.4	68.6	67.5	64.6	61.8	59.5	53.9	49.9	45.4	41.5	37.5	33.6	30.7	27.9	24.5
.6	71.3	69.6	65.6	63.3	60.4	56.4	54.7	50.7	46.6	42.6	38.6	35.1	31.7	28.3	26.0	23.1
.7	70.2	68.0	64.5	61.7	57.1	54.3	51.4	46.9	44.6	40.0	37.2	32.1	29.8	26.9	24.7	21.8
.6	71.2	68.8	64.1	60.6	58.2	54.1	52.4	48.8	44.7	41.2	37.0	33.5	30.6	27.6	24.7	22.3
.1	70.8	68.5	64.0	59.4	58.3	54.3	50.9	46.3	44.0	40.0	36.1	32.1	30.4	26.9	24.1	20.7
.7	70.2	66.8	63.4	59.4	56.6	52.0	51.4	46.3	42.9	39.5	36.1	32.1	29.8	26.9	23.5	21.2
.6	70.1	66.6	63.1	58.4	54.9	50.8	47.9	44.4	41.5	38.0	35.0	30.9	28.0	25.1	23.4	21.0
.3	67.3	61.0	54.7	47.8	41.5	36.9	35.1	34.0	29.4	28.8	27.1	23.1	21.4	20.2	17.9	16.8
.4	66.9	59.5	51.6	45.4	40.3	36.9	33.6	32.4	27.9	25.6	24.0	22.8	20.6	18.3	17.2	16.6
.5	71.1	71.1	67.4	61.4	59.6	57.2	56.6	50.5	45.7	42.7	39.0	36.0	32.4	29.4	25.7	22.7
.0	70.1	65.5	62.0	57.4	55.7	49.9	48.1	43.5	42.3	37.1	33.1	30.7	28.4	25.0	22.6	20.3
.6	70.8	67.3	63.9	60.4	57.0	53.0	51.2	46.6	43.2	39.2	35.7	32.3	30.0	26.5	24.2	21.4
.2	71.9	70.1	67.8	64.3	62.0	58.5	55.7	51.0	47.5	43.5	39.4	35.4	31.9	29.6	26.1	23.2
.6	71.9	70.2	67.3	64.4	62.1	58.1	56.4	51.8	47.8	43.2	39.2	35.7	32.3	28.8	26.5	23.1
.7	70.8	69.2	65.8	62.9	60.7	57.3	54.5	50.5	46.6	42.6	38.1	34.7	31.3	28.5	25.6	22.8
.2	71.9	70.2	67.9	65.0	63.3	59.3	57.5	53.0	48.9	44.3	39.7	36.3	32.8	29.4	26.5	23.7
.7	71.4	70.2	67.4	65.1	62.8	59.4	57.1	52.6	48.0	43.5	39.5	35.5	32.6	29.2	26.4	23.5
.2	71.9	70.8	68.0	66.2	64.0	60.5	58.3	53.7	49.2	44.6	40.0	36.6	32.6	29.8	26.9	24.1
.8	72.4	71.9	69.6	67.2	64.9	61.4	58.5	53.9	49.3	45.2	40.6	36.5	33.1	29.6	26.7	23.8
.2	72.4	70.7	68.3	66.0	64.2	61.3	58.4	53.7	49.1	45.0	40.9	36.8	33.3	29.8	27.4	23.9
.2	72.4	71.3	69.0	66.1	64.3	60.9	58.0	53.9	48.7	44.6	40.6	36.5	33.1	30.2	26.7	23.8
.8	73.1	70.8	67.9	65.6	63.9	59.8	57.0	53.0	48.4	43.8	39.7	35.7	32.3	28.8	26.0	23.1
.8	72.4	71.3	68.4	66.1	64.3	60.9	58.0	53.3	48.7	44.1	40.0	36.5	33.1	29.6	26.7	23.8
.8	73.1	71.4	68.5	66.8	64.0	61.1	58.3	53.1	49.2	44.6	40.6	36.6	33.2	29.8	26.9	23.5

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
47.7	42.0	38.1	34.1	31.3	27.9	25.1	22.3	20.0	17.7	16.0	12.7	7.0
48.6	43.2	39.1	34.9	32.5	29.0	26.0	23.0	20.1	18.3	15.9	12.3	7.0
49.9	45.4	41.5	37.5	33.6	30.7	27.9	24.5	22.3	19.4	17.2	13.2	7.0
46.6	42.6	38.6	35.1	31.7	28.3	26.0	23.1	20.8	17.9	16.2	12.7	7.0
44.6	40.0	37.2	32.1	29.8	26.9	24.7	21.8	19.5	17.3	15.5	12.1	7.0
44.7	41.2	37.0	33.5	30.6	27.6	24.7	22.3	20.0	17.6	15.8	12.3	7.0
44.0	40.0	36.1	32.1	30.4	26.9	24.1	20.7	19.5	17.3	15.0	12.1	7.0
42.9	39.5	36.1	32.1	29.8	26.9	23.5	21.2	19.0	17.3	15.5	12.1	7.0
41.5	38.0	35.0	30.9	28.0	25.1	23.4	21.0	18.1	16.3	14.6	12.3	7.0
29.4	28.8	27.1	23.1	21.4	20.2	17.9	16.8	15.0	13.9	12.2	10.4	7.0
27.9	25.6	24.0	22.8	20.6	18.3	17.2	16.6	12.7	12.7	11.5	9.8	7.0
45.7	42.7	39.0	36.0	32.4	29.4	25.7	22.7	20.3	19.1	16.7	13.6	7.0
42.3	37.1	33.1	30.7	28.4	25.0	22.6	20.3	18.6	16.3	14.5	11.6	7.0
43.2	39.2	35.7	32.3	30.0	26.5	24.2	21.4	19.1	16.8	15.0	12.2	7.0
47.5	43.5	39.4	35.4	31.9	29.6	26.1	23.2	20.9	18.0	16.3	12.8	7.0
47.8	43.2	39.2	35.7	32.3	28.8	26.5	23.1	20.8	18.5	16.2	12.7	7.0
46.6	42.6	38.1	34.7	31.3	28.5	25.6	22.8	20.6	17.7	16.0	12.7	7.0
48.9	44.3	39.7	36.3	32.8	29.4	26.5	23.7	21.4	18.5	16.8	12.7	7.0
48.0	43.5	39.5	35.5	32.6	29.2	26.4	23.5	21.2	18.4	16.1	12.7	7.0
49.2	44.6	40.0	36.6	32.6	29.8	26.9	24.1	20.7	18.4	16.7	12.7	7.0
49.3	45.2	40.6	36.5	33.1	29.6	26.7	23.8	21.5	18.6	16.8	12.8	7.0
49.1	45.0	40.9	36.8	33.3	29.8	27.4	23.9	21.6	19.3	16.9	13.4	7.0
48.7	44.6	40.6	36.5	33.1	30.2	26.7	23.8	21.5	18.6	16.3	12.8	7.0
48.4	43.8	39.7	35.7	32.3	28.8	26.0	23.1	20.8	17.9	16.2	12.2	7.0
48.7	44.1	40.0	36.5	33.1	29.6	26.7	23.8	20.3	18.6	16.3	12.8	7.0
49.2	44.6	40.6	36.6	33.2	29.8	26.9	23.5	21.8	19.0	17.3	12.7	7.0

Table A9 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
60	-23.1	76.5	75.9	75.4	74.8	72.5	70.8	67.9	65.0	62.7	58.7	56.4	52
61	-23.1	76.5	76.5	75.9	75.3	74.8	73.0	71.3	69.6	67.2	64.3	60.9	55
62	-22.8	76.5	76.5	75.9	74.7	73.0	70.7	68.3	65.4	63.1	59.6	56.6	52
63	-22.8	76.5	75.9	75.4	74.8	73.6	71.9	69.6	67.3	65.6	62.1	59.3	54
64	-22.4	76.5	76.5	75.4	74.8	72.5	70.2	67.4	65.1	62.3	58.8	56.0	52
65	-22.4	76.5	75.8	75.2	74.5	73.2	71.3	69.3	66.7	64.7	61.4	58.8	54
66	-28.0	76.5	75.9	75.9	74.8	73.6	72.5	70.2	67.3	65.6	61.6	59.3	54
66A	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
67	-28.0	76.5	75.9	75.3	75.3	74.2	72.4	71.3	69.0	67.8	64.3	62.0	57
68	-28.0	76.5	76.5	75.3	75.3	74.7	74.7	73.4	72.2	72.2	70.3	67.9	62
69	-28.0	76.5	76.5	75.9	75.3	74.1	73.0	71.2	69.4	68.3	64.7	61.8	57.
70	-28.0	76.5	76.5	75.9	75.4	74.8	74.2	72.5	71.4	69.2	66.3	63.5	57
71	-28.0	76.5	75.9	75.9	75.4	74.8	73.1	71.9	69.7	68.0	65.1	62.3	57.
71A	-28.0	76.5	75.9	75.9	75.4	74.8	72.6	71.5	69.8	68.1	64.7	61.4	56.
72	-28.0	76.5	75.9	75.4	75.4	73.1	71.3	69.0	66.7	64.4	61.0	58.7	53.
73	-23.5	76.5	75.9	75.3	74.2	72.4	70.1	67.2	64.2	61.3	58.4	55.5	50.
74	-23.5	76.5	76.5	75.9	74.8	73.1	71.4	68.5	65.7	64.0	60.5	57.7	53.
75	-22.8	76.5	75.9	75.4	74.8	73.1	71.3	68.5	66.7	64.4	61.0	58.7	53.
76	-28.0	76.5	75.9	75.9	74.8	73.1	71.4	69.1	66.8	64.5	61.1	58.3	53.
76A	-28.0	76.5	76.5	75.9	74.8	73.6	71.9	69.0	67.3	64.4	61.0	58.7	53.
77	-28.0	76.5	76.5	75.9	75.4	74.2	72.5	70.8	67.9	65.6	62.7	59.8	54.
78	-28.0	76.5	76.5	76.5	75.9	74.7	72.9	71.2	69.4	67.6	64.6	62.2	57.
79	-28.0	76.5	76.5	75.9	75.4	74.2	73.1	71.9	69.6	67.9	65.0	62.1	57.
80	-28.0	76.5	76.5	75.9	75.4	74.8	73.1	71.9	70.2	68.5	65.0	62.7	57.
81	-28.0	76.5	75.9	75.9	75.4	74.2	73.1	71.3	70.2	68.5	64.4	63.3	57.
81A	-28.0	76.5	76.5	75.9	75.4	74.2	73.1	71.9	70.2	68.0	65.1	62.3	57.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.8	72.5	70.8	67.9	65.0	62.7	58.7	56.4	52.4	47.8	43.8	39.7	36.3	32.3	28.8	26.5	23.7
.3	74.8	73.0	71.3	69.6	67.2	64.3	60.9	55.7	51.0	46.4	42.3	38.3	34.8	31.3	28.4	25.5
.7	73.0	70.7	68.3	65.4	63.1	59.6	56.6	52.0	47.9	43.2	39.7	35.6	32.1	28.6	25.7	22.8
.8	73.6	71.9	69.6	67.3	65.6	62.1	59.3	54.1	49.5	45.5	41.5	27.4	33.4	30.5	27.1	23.7
.8	72.5	70.2	67.4	65.1	62.3	58.8	56.0	52.0	47.4	43.5	39.5	35.5	32.1	28.6	25.8	23.5
.5	73.2	71.3	69.3	66.7	64.7	61.4	58.8	54.2	50.3	49.0	49.0	48.3	48.3	35.8	31.9	28.6
.8	73.6	72.5	70.2	67.3	65.6	61.6	59.3	54.1	49.5	45.5	41.5	36.9	33.4	30.0	27.1	24.2
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.3	74.2	72.4	71.3	69.0	67.8	64.3	62.0	57.4	51.6	47.5	42.9	39.4	34.8	31.3	27.9	25.0
.3	74.7	74.7	73.4	72.2	72.2	70.3	67.9	62.4	55.6	50.7	45.1	40.8	37.1	32.8	29.1	26.1
.3	74.1	73.0	71.2	69.4	68.3	64.7	61.8	57.1	52.4	47.6	42.9	38.8	34.7	31.7	28.2	25.3
.4	74.8	74.2	72.5	71.4	69.2	66.3	63.5	57.9	52.8	48.2	43.7	39.8	35.3	32.4	28.5	25.1
.4	74.8	73.1	71.9	69.7	68.0	65.1	62.3	57.1	52.6	48.0	42.9	38.9	35.5	31.5	28.1	25.2
.4	74.8	72.6	71.5	69.8	68.1	64.7	61.4	56.9	51.8	47.4	42.3	38.9	35.0	31.7	28.3	24.9
.4	73.1	71.3	69.0	66.7	64.4	61.0	58.7	53.5	49.5	44.9	40.3	36.9	32.8	30.0	26.5	23.7
.2	72.4	70.1	67.2	64.2	61.3	58.4	55.5	50.8	47.3	43.2	39.1	35.6	32.1	28.6	25.7	22.8
.8	73.1	71.4	68.5	65.7	64.0	60.5	57.7	53.1	48.6	44.6	40.0	36.6	32.6	29.8	26.9	24.1
.8	73.1	71.3	68.5	66.7	64.4	61.0	58.7	53.5	49.5	44.9	40.9	36.3	32.8	29.4	26.5	23.7
.8	73.1	71.4	69.1	66.8	64.5	61.1	58.3	53.7	49.2	45.2	40.6	36.6	33.2	30.4	26.9	24.1
.8	73.6	71.9	69.0	67.3	64.4	61.0	58.7	53.5	48.9	44.9	40.9	36.9	33.4	29.4	27.1	24.2
.4	74.2	72.5	70.8	67.9	65.6	62.7	59.8	54.7	50.7	46.1	41.5	37.4	34.0	30.5	27.1	24.2
.9	74.7	72.9	71.2	69.4	67.6	64.6	62.2	57.5	52.7	47.4	43.2	39.1	35.5	31.4	28.4	25.4
.4	74.2	73.1	71.9	69.6	67.9	65.0	62.1	57.0	52.4	47.8	43.2	39.2	35.1	31.1	28.3	24.8
.4	74.8	73.1	71.9	70.2	68.5	65.0	62.7	57.0	52.4	47.8	43.2	39.2	35.1	31.7	28.3	25.4
.4	74.2	73.1	71.3	70.2	68.5	64.4	63.3	57.0	51.2	47.8	43.2	39.2	34.6	31.1	28.3	24.2
.4	74.2	73.1	71.9	70.2	68.0	65.1	62.3	57.7	52.6	47.4	42.9	38.9	34.9	31.5	28.1	24.7

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
47.8	43.8	39.7	36.3	32.3	28.8	26.5	23.7	20.8	18.5	16.2	12.7	7.0
51.0	46.4	42.3	38.3	34.8	31.3	28.4	25.5	22.1	19.7	17.4	14.0	7.0
47.9	43.2	39.7	35.6	32.1	28.6	25.7	22.8	20.4	18.1	15.8	12.3	7.0
49.5	45.5	41.5	27.4	33.4	30.5	27.1	23.7	21.4	19.1	16.8	12.7	7.0
47.4	43.5	39.5	35.5	32.1	28.6	25.8	23.5	20.7	18.4	16.7	13.3	7.0
50.3	49.0	49.0	48.3	48.3	35.8	31.9	28.6	24.7	22.1	19.5	14.9	7.0
49.5	45.5	41.5	36.9	33.4	30.0	27.1	24.2	21.4	19.1	16.8	13.3	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
51.6	47.5	42.9	39.4	34.8	31.3	27.9	25.0	22.1	19.7	17.4	14.0	7.0
55.6	50.7	45.1	40.8	37.1	32.8	29.1	26.1	23.0	20.5	18.1	13.8	7.0
52.4	47.6	42.9	38.8	34.7	31.7	28.2	25.3	22.3	20.0	17.0	13.5	7.0
52.8	48.2	43.7	39.8	35.3	32.4	28.5	25.1	22.3	20.0	17.2	13.2	7.0
52.6	48.0	42.9	38.9	35.5	31.5	28.1	25.2	22.4	19.5	17.3	13.3	7.0
51.8	47.4	42.3	38.9	35.0	31.7	28.3	24.9	21.6	19.3	17.6	13.2	7.0
49.5	44.9	40.3	36.9	32.8	30.0	26.5	23.7	21.4	18.5	16.2	12.2	7.0
47.3	43.2	39.1	35.6	32.1	28.6	25.7	22.8	20.4	18.1	15.8	12.8	7.0
48.6	44.6	40.0	36.6	32.6	29.8	26.9	24.1	21.8	19.0	16.7	13.3	7.0
49.5	44.9	40.9	36.3	32.8	29.4	26.5	23.7	21.4	18.5	16.2	12.7	7.0
49.2	45.2	40.6	36.6	33.2	30.4	26.9	24.1	21.2	19.0	16.7	13.3	7.0
48.9	44.9	40.9	36.9	33.4	29.4	27.1	24.2	20.8	19.1	16.8	12.7	7.0
50.7	46.1	41.5	37.4	34.0	30.5	27.1	24.2	21.4	18.5	16.8	12.7	7.0
52.7	47.4	43.2	39.1	35.5	31.4	28.4	25.4	22.4	20.1	17.7	13.5	7.0
52.4	47.8	43.2	39.2	35.1	31.1	28.3	24.8	22.5	19.6	17.3	13.9	7.0
52.4	47.8	43.2	39.2	35.1	31.7	28.3	25.4	22.5	19.6	17.3	13.3	7.0
51.2	47.8	43.2	39.2	34.6	31.1	28.3	24.2	22.5	19.6	17.3	13.3	7.0
52.6	47.4	42.9	38.9	34.9	31.5	28.1	24.7	22.4	19.5	17.8	13.3	7.0

Table A9 (Continued)

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
82	-22.8	76.5	75.9	75.3	74.2	71.9	70.1	66.7	64.9	62.6	59.1	56.8	52.
83	-22.8	76.5	75.9	74.8	74.2	71.9	70.2	68.0	65.7	63.4	60.0	58.3	53.
84	-22.8	76.5	75.4	74.8	73.7	71.4	69.2	66.9	64.6	62.4	59.5	56.7	52.
85	-22.8	76.5	75.9	75.4	74.2	72.5	70.8	68.5	66.2	64.5	61.1	59.4	53.
86	-25.5	76.5	75.9	75.9	75.4	74.8	73.7	72.5	71.4	69.7	66.9	64.1	59.
87	-48.0	76.5	74.8	74.8	73.7	71.9	70.2	68.0	65.1	64.5	60.5	58.8	53.
88	-36.0	76.5	74.8	75.9	73.0	71.9	69.6	67.8	64.9	63.8	60.3	58.0	53.
89	-48.0	76.5	74.2	74.8	73.1	71.9	69.7	67.4	66.2	64.0	60.5	58.3	53.
90	-48.0	76.5	74.2	75.4	73.7	72.5	69.7	68.5	66.2	64.0	61.1	59.4	53.
91	-48.0	76.5	74.2	74.8	73.1	71.4	70.2	68.0	65.7	64.0	60.5	58.8	53.
92	-36.0	76.5	75.4	75.9	74.2	72.5	70.2	68.5	66.2	65.0	61.6	59.3	53.
93	-36.0	76.5	75.3	75.9	74.8	73.6	71.9	70.1	67.8	66.1	63.2	60.3	54.
94	-36.0	76.5	75.4	75.4	74.2	73.1	70.8	68.5	66.7	64.4	61.6	58.7	53.
95	-48.0	76.5	75.3	75.3	73.5	71.1	68.7	64.5	60.9	57.3	54.3	52.5	47.
96	-48.0	76.5	75.3	74.8	73.0	70.1	66.1	61.4	57.4	53.9	51.6	49.3	45.
97	-48.0	76.5	75.4	74.2	71.9	68.5	64.0	58.8	53.7	49.7	48.0	44.6	41.
98	-31.0	76.5	75.4	75.4	74.2	73.1	70.8	69.1	67.4	65.1	62.3	58.8	53.
99	-42.0	76.5	74.6	74.6	72.7	70.8	66.9	63.7	59.3	55.5	52.9	50.4	45.
100	-27.8	76.5	74.8	74.2	73.6	71.9	70.2	67.9	65.6	63.3	60.4	58.1	53.
101	-49.5	76.5	75.9	75.3	74.7	73.0	70.6	68.8	66.5	64.1	61.8	59.4	54.
102	-21.6	76.5	75.9	75.3	74.2	73.0	71.2	68.9	66.6	64.8	61.9	59.6	54.
103	-41.6	76.5	75.2	74.6	74.6	73.3	72.1	70.2	68.9	67.0	65.8	65.1	63.
104	-17.5	76.5	75.2	75.2	73.9	72.0	70.7	68.7	66.1	64.2	61.6	59.0	54.
105	-35.2	76.5	76.5	75.4	74.8	73.6	71.3	69.0	66.7	63.9	61.0	58.1	54.
106	-31.3	76.5	76.5	75.9	75.3	73.6	72.4	70.1	67.7	65.4	61.9	59.6	54.
107	-31.3	76.5	76.5	75.9	75.3	73.6	72.4	69.6	67.2	64.9	61.4	59.1	53.

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
4.2	71.9	70.1	66.7	64.9	62.6	59.1	56.8	52.2	47.5	43.5	39.4	36.0	32.5	29.0	26.1	23.2
4.2	71.9	70.2	68.0	65.7	63.4	60.0	58.3	53.1	48.6	44.0	40.0	36.6	32.6	29.2	26.4	23.0
3.7	71.4	69.2	66.9	64.6	62.4	59.5	56.7	52.2	47.7	43.7	39.8	35.8	32.4	29.6	26.2	23.4
4.2	72.5	70.8	68.5	66.2	64.5	61.1	59.4	53.7	49.2	45.2	40.6	37.2	33.2	29.8	26.9	24.1
5.4	74.8	73.7	72.5	71.4	69.7	66.9	64.1	59.0	53.3	48.8	43.7	39.8	35.8	32.4	29.0	25.6
3.7	71.9	70.2	68.0	65.1	64.5	60.5	58.8	53.1	48.0	44.6	40.6	36.6	33.2	29.2	26.4	23.5
3.0	71.9	69.6	67.8	64.9	63.8	60.3	58.0	53.3	48.1	44.1	40.0	36.5	32.5	29.6	26.1	23.2
3.1	71.9	69.7	67.4	66.2	64.0	60.5	58.3	53.1	48.6	44.6	40.6	36.6	32.6	29.8	26.9	23.5
3.7	72.5	69.7	68.5	66.2	64.0	61.1	59.4	53.7	49.2	45.2	40.6	36.6	33.2	29.8	26.9	24.1
3.1	71.4	70.2	68.0	65.7	64.0	60.5	58.8	53.1	48.6	44.6	40.0	37.2	33.2	29.8	26.4	23.5
4.2	72.5	70.2	68.5	66.2	65.0	61.6	59.3	53.5	50.1	44.3	40.9	36.9	33.4	30.0	26.5	23.7
4.8	73.6	71.9	70.1	67.8	66.1	63.2	60.3	54.5	50.4	45.8	41.2	37.1	33.6	30.2	27.3	25.0
4.2	73.1	70.8	68.5	66.7	64.4	61.6	58.7	53.5	49.5	44.9	40.9	36.9	33.4	30.0	26.5	24.2
3.5	71.1	68.7	64.5	60.9	57.3	54.3	52.5	47.7	43.5	40.0	36.4	33.4	30.4	27.4	25.0	22.0
3.0	70.1	66.1	61.4	57.4	53.9	51.6	49.3	45.8	41.2	38.3	34.2	31.3	28.4	26.1	23.8	20.9
1.9	68.5	64.0	58.8	53.7	49.7	48.0	44.6	41.8	38.3	34.9	32.1	29.2	26.4	24.1	21.2	19.5
4.2	73.1	70.8	69.1	67.4	65.1	62.3	58.8	53.7	50.3	45.2	41.2	36.6	33.2	30.4	26.9	24.1
2.7	70.8	66.9	63.7	59.3	55.5	52.9	50.4	45.3	40.8	37.6	34.4	31.2	28.7	26.1	24.9	22.9
3.6	71.9	70.2	67.9	65.6	63.3	60.4	58.1	53.5	48.9	43.9	40.9	36.9	34.0	30.0	27.1	23.7
4.7	73.0	70.6	68.8	66.5	64.1	61.8	59.4	54.7	50.0	45.3	41.2	37.0	33.5	30.6	27.0	23.5
4.2	73.0	71.2	68.9	66.6	64.8	61.9	59.6	54.3	49.6	45.0	40.9	36.8	33.3	29.8	26.9	21.9
4.6	73.3	72.1	70.2	68.9	67.0	65.8	65.1	63.2	58.2	51.2	46.2	41.1	36.7	32.9	29.1	26.0
3.9	72.0	70.7	68.7	66.1	64.2	61.6	59.0	54.4	49.2	45.3	40.8	36.9	33.0	30.4	28.4	27.1
4.8	73.6	71.3	69.0	66.7	63.9	61.0	58.1	54.1	48.9	44.9	40.9	36.9	33.4	30.0	26.5	23.7
5.3	73.6	72.4	70.1	67.7	65.4	61.9	59.6	54.9	49.6	45.5	41.5	37.4	33.9	30.4	26.9	24.5
5.3	73.6	72.4	69.6	67.2	64.9	61.4	59.1	53.9	49.3	44.6	41.2	37.1	34.2	30.2	27.3	24.4

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
47.5	43.5	39.4	36.0	32.5	29.0	26.1	23.2	20.3	18.0	15.7	12.2	7.0
48.6	44.0	40.0	36.6	32.6	29.2	26.4	23.0	20.7	18.4	16.7	12.7	7.0
47.7	43.7	39.8	35.8	32.4	29.6	26.2	23.4	21.1	18.9	16.6	13.2	7.0
49.2	45.2	40.6	37.2	33.2	29.8	26.9	24.1	21.2	18.4	16.7	13.3	7.0
53.3	48.8	43.7	39.8	35.8	32.4	29.0	25.6	22.8	20.0	17.2	13.8	7.0
48.0	44.6	40.6	36.6	33.2	29.2	26.4	23.5	21.2	19.0	16.7	12.7	7.0
48.1	44.1	40.0	36.5	32.5	29.6	26.1	23.2	20.3	18.6	16.3	12.8	7.0
48.6	44.6	40.6	36.6	32.6	29.8	26.9	23.5	20.7	19.0	16.7	12.7	7.0
49.2	45.2	40.6	36.6	33.2	29.8	26.9	24.1	21.2	19.0	16.7	13.3	7.0
48.6	44.6	40.0	37.2	33.2	29.8	26.4	23.5	21.2	18.4	16.1	12.1	7.0
50.1	44.3	40.9	36.9	33.4	30.0	26.5	23.7	21.4	18.5	16.2	12.7	7.0
50.4	45.8	41.2	37.1	33.6	30.2	27.3	25.0	21.5	19.2	16.8	13.4	7.0
49.5	44.9	40.9	36.9	33.4	30.0	26.5	24.2	21.4	19.1	17.3	12.7	7.0
43.5	40.0	36.4	33.4	30.4	27.4	25.0	22.0	19.6	17.2	15.4	12.4	7.0
41.2	38.3	34.2	31.3	28.4	26.1	23.8	20.9	18.6	16.8	14.5	11.6	7.0
38.3	34.9	32.1	29.2	26.4	24.1	21.2	19.5	17.3	16.1	14.4	11.0	7.0
50.3	45.2	41.2	36.6	33.2	30.4	26.9	24.1	21.2	19.0	16.7	12.7	7.0
40.8	37.6	34.4	31.2	28.7	26.1	24.9	22.9	21.0	19.8	18.5	15.9	7.0
48.9	43.9	40.9	36.9	34.0	30.0	27.1	23.7	21.4	19.1	17.3	13.3	7.0
50.0	45.3	41.2	37.0	33.5	30.6	27.0	23.5	21.7	18.8	16.4	12.3	7.0
49.6	45.0	40.9	36.8	33.3	29.8	26.9	21.9	21.0	18.7	16.3	13.4	7.0
58.2	51.2	46.2	41.1	36.7	32.9	29.1	26.0	22.8	20.3	17.7	13.3	7.0
49.2	45.3	40.8	36.9	33.0	30.4	28.4	27.1	25.8	25.8	25.2	25.2	7.0
48.9	44.9	40.9	36.9	33.4	30.0	26.5	23.7	21.4	19.1	16.8	13.3	7.0
49.6	45.5	41.5	37.4	33.9	30.4	26.9	24.5	21.6	19.3	16.9	13.4	7.0
49.3	44.6	41.2	37.1	34.2	30.2	27.3	24.4	22.1	18.6	16.8	13.4	7.0

Table A9 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
108	-23.1	76.5	76.5	75.4	75.4	73.7	71.9	69.7	66.8	64.5	60.5	58.3	53.1
109	-23.1	76.5	76.5	75.9	74.8	74.2	72.5	70.2	68.0	66.2	62.3	60.0	54.3
110	-22.8	76.5	76.5	75.9	75.3	74.1	72.3	69.9	68.1	65.1	61.5	59.1	53.7
111	-22.8	76.5	75.9	75.3	74.8	73.6	72.4	70.1	69.0	65.5	62.6	60.3	55.1
112	-22.4	76.5	76.5	75.4	75.4	73.6	71.9	69.6	66.7	63.9	61.0	58.7	53.5
113	-22.4	76.5	76.5	75.1	75.1	73.7	72.2	69.4	68.0	65.9	61.6	58.8	53.8
114	-28.0	76.5	76.5	75.9	75.4	73.6	72.5	70.2	67.9	66.2	62.1	59.8	54.7
114A	-28.0	76.5	76.5	76.5	75.4	74.2	72.5	70.8	68.5	66.2	62.7	59.8	54.7
115	-28.0	76.5	75.9	75.9	75.3	74.2	73.0	71.3	69.0	66.7	63.8	60.9	55.7
116	-28.0	76.5	76.5	75.9	75.4	74.8	73.6	71.3	70.2	68.5	65.0	62.1	57.5
117	-28.0	76.5	76.5	76.5	75.3	74.8	74.2	72.4	70.7	69.6	65.5	63.2	58.0
118	-28.0	76.5	76.5	76.5	75.4	75.4	74.2	72.5	70.8	69.7	66.2	64.0	58.3
119	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
119A	-28.0	76.5	76.5	76.5	75.3	74.8	73.6	72.4	70.7	69.6	66.1	63.8	58.5
120	-23.5	76.5	75.3	75.3	74.7	72.9	71.2	69.4	67.0	66.4	65.8	65.2	57.5
121	-23.5	76.5	76.5	75.3	74.8	73.6	72.4	70.1	67.8	65.5	61.4	59.7	54.5
122	-22.8	76.5	76.5	75.9	75.4	74.2	73.1	70.8	68.5	65.6	62.7	60.4	55.2
123	-22.8	76.5	76.5	75.9	74.8	73.1	71.9	69.6	67.3	65.0	61.0	58.7	53.5
124	-28.0	76.5	77.1	76.5	75.9	74.7	73.6	71.2	68.9	67.2	63.1	60.1	54.9
124A	-28.0	76.5	75.9	75.3	74.8	73.6	71.9	70.1	67.2	65.5	62.0	59.1	54.5
125	-28.0	76.5	76.5	75.9	75.3	74.7	73.5	71.7	69.9	68.0	65.0	62.6	57.8
126	-28.0	76.5	77.1	75.9	76.5	75.3	74.8	73.0	71.3	69.6	66.1	63.2	58.0
127	-28.0	76.5	75.9	75.9	75.4	74.8	73.6	71.9	70.8	69.0	66.2	62.7	58.1
128	-28.0	76.5	75.9	75.9	75.4	74.2	73.7	71.9	70.2	69.1	65.7	5\63.4	57.7
129	-28.0	76.5	76.5	76.5	75.9	74.7	74.1	72.9	71.1	69.9	66.9	63.3	58.5
129A	-28.0	76.5	76.5	75.9	75.9	75.3	74.2	72.4	70.7	69.0	66.1	63.8	58.0

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.4	73.7	71.9	69.7	66.8	64.5	60.5	58.3	53.1	49.2	44.6	41.2	37.2	33.8	29.8	26.9	24.1
.8	74.2	72.5	70.2	68.0	66.2	62.3	60.0	54.3	50.3	46.3	42.3	37.8	34.3	30.9	28.1	24.7
.3	74.1	72.3	69.9	68.1	65.1	61.5	59.1	53.7	49.5	44.7	40.6	37.0	33.4	29.8	26.8	23.8
.8	73.6	72.4	70.1	69.0	65.5	62.6	60.3	55.1	50.4	45.8	41.8	38.3	34.2	30.7	27.3	25.0
.4	73.6	71.9	69.6	66.7	63.9	61.0	58.7	53.5	48.9	44.9	40.9	36.9	33.4	30.0	27.1	24.2
.1	73.7	72.2	69.4	68.0	65.9	61.6	58.8	53.8	48.1	43.9	38.9	34.7	31.1	27.6	24.0	20.5
.4	73.6	72.5	70.2	67.9	66.2	62.1	59.8	54.7	50.7	46.1	41.5	37.4	34.0	30.5	27.1	24.2
.4	74.2	72.5	70.8	68.5	66.2	62.7	59.8	54.7	50.1	44.9	42.0	38.0	34.0	31.1	27.7	24.2
.3	74.2	73.0	71.3	69.0	66.7	63.8	60.9	55.7	51.0	47.0	42.3	38.3	34.2	30.7	27.9	24.4
.4	74.8	73.6	71.3	70.2	68.5	65.0	62.1	57.5	52.4	47.8	43.8	39.2	35.1	32.3	28.8	25.4
.3	74.8	74.2	72.4	70.7	69.6	65.5	63.2	58.0	52.2	48.7	43.5	39.4	35.4	31.9	28.4	25.5
.4	75.4	74.2	72.5	70.8	69.7	66.2	64.0	58.3	53.1	48.6	43.5	40.0	36.1	32.1	28.6	25.8
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.3	74.8	73.6	72.4	70.7	69.6	66.1	63.8	58.5	53.3	48.7	43.5	39.4	35.4	31.9	28.4	25.5
.7	72.9	71.2	69.4	67.0	66.4	65.8	65.2	57.5	52.1	46.8	42.0	38.5	34.3	30.8	27.8	24.2
.8	73.6	72.4	70.1	67.8	65.5	61.4	59.7	54.5	49.9	45.2	41.8	37.7	33.6	30.7	27.9	24.4
.4	74.2	73.1	70.8	68.5	65.6	62.7	60.4	55.2	50.7	45.5	41.5	37.4	34.0	30.5	27.1	24.8
.8	73.1	71.9	69.6	67.3	65.0	61.0	58.7	53.5	48.9	44.9	40.9	36.9	33.4	30.0	27.1	24.8
.9	74.7	73.6	71.2	68.9	67.2	63.1	60.1	54.9	50.8	46.7	42.0	38.0	34.4	30.9	27.4	24.5
.8	73.6	71.9	70.1	67.2	65.5	62.0	59.1	54.5	49.9	45.2	41.2	37.1	33.6	30.2	26.7	23.8
.3	74.7	73.5	71.7	69.9	68.0	65.0	62.6	57.8	52.9	48.7	43.9	40.2	36.0	32.4	29.4	25.7
.5	75.3	74.8	73.0	71.3	69.6	66.1	63.2	58.0	53.3	48.7	44.1	39.4	36.5	32.5	29.0	25.5
.4	74.8	73.6	71.9	70.8	69.0	66.2	62.7	58.1	53.0	48.4	43.8	39.7	35.7	32.3	28.8	26.0
.4	74.2	73.7	71.9	70.2	69.1	65.7	5\63.4	57.7	52.6	48.0	44.0	39.5	35.5	32.1	28.6	25.8
.9	74.7	74.1	72.9	71.1	69.9	66.9	63.3	58.5	58.5	48.9	44.1	39.4	36.4	32.2	28.0	25.6
.9	75.3	74.2	72.4	70.7	69.0	66.1	63.8	58.0	51.6	48.1	43.5	40.0	36.0	31.9	29.0	25.5

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
49.2	44.6	41.2	37.2	33.8	29.8	26.9	24.1	21.8	19.5	17.3	13.3	7.0
50.3	46.3	42.3	37.8	34.3	30.9	28.1	24.7	22.4	20.1	17.3	13.3	7.0
49.5	44.7	40.6	37.0	33.4	29.8	26.8	23.8	21.4	19.0	16.6	13.0	7.0
50.4	45.8	41.8	38.3	34.2	30.7	27.3	25.0	21.5	19.7	17.4	13.4	7.0
48.9	44.9	40.9	36.9	33.4	30.0	27.1	24.2	21.4	19.1	17.3	13.3	7.0
48.1	43.9	38.9	34.7	31.1	27.6	24.0	20.5	17.6	14.8	12.7	9.1	7.0
50.7	46.1	41.5	37.4	34.0	30.5	27.1	24.2	21.4	17.1	17.3	13.3	7.0
50.1	44.9	42.0	38.0	34.0	31.1	27.7	24.2	21.9	19.1	17.3	13.3	7.0
51.0	47.0	42.3	38.3	34.2	30.7	27.9	24.4	22.1	19.2	16.8	13.4	7.0
52.4	47.8	43.8	39.2	35.1	32.3	28.8	25.4	22.5	20.2	17.3	13.9	7.0
52.2	48.7	43.5	39.4	35.4	31.9	28.4	25.5	22.1	20.3	17.4	13.4	7.0
53.1	48.6	43.5	40.0	36.1	32.1	28.6	25.8	23.0	20.1	17.8	13.8	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
53.3	48.7	43.5	39.4	35.4	31.9	28.4	25.5	22.6	20.3	17.4	13.4	7.0
52.1	46.8	42.0	38.5	34.3	30.8	27.8	24.2	21.3	19.5	17.7	13.5	7.0
49.9	45.2	41.8	37.7	33.6	30.7	27.9	24.4	21.5	19.7	17.4	13.4	7.0
50.7	45.5	41.5	37.4	34.0	30.5	27.1	24.8	21.9	19.6	16.8	13.3	7.0
48.9	44.9	40.9	36.9	33.4	30.0	27.1	24.8	21.4	19.1	16.8	13.3	7.0
50.8	46.7	42.0	38.0	34.4	30.9	27.4	24.5	21.6	19.3	16.9	13.4	7.0
49.9	45.2	41.2	37.1	33.6	30.2	26.7	23.8	21.5	18.6	16.3	12.8	7.0
52.9	48.7	43.9	40.2	36.0	32.4	29.4	25.7	22.7	20.3	17.9	14.3	7.0
53.3	48.7	44.1	39.4	36.5	32.5	29.0	25.5	23.2	20.3	18.0	13.4	7.0
53.0	48.4	43.8	39.7	35.7	32.3	28.8	26.0	22.5	20.2	17.9	13.9	7.0
52.6	48.0	44.0	39.5	35.5	32.1	28.6	25.8	22.4	19.5	17.8	13.8	7.0
58.5	48.9	44.1	39.4	36.4	32.2	28.0	25.6	22.6	20.2	17.8	13.6	7.0
51.6	48.1	43.5	40.0	36.0	31.9	29.0	25.5	22.6	19.7	18.0	13.4	7.0

Table A9 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
130	-22.8	76.5	76.5	75.9	74.8	73.6	71.9	69.6	67.2	64.3	60.9	58.5	5
131	-22.8	76.5	75.9	75.3	74.7	73.6	71.8	69.4	67.1	64.7	61.2	59.4	5
132	-22.8	76.5	76.5	75.9	74.8	73.6	71.9	70.1	67.8	65.5	62.6	59.7	5
133	-22.8	76.5	76.5	75.4	74.8	73.6	71.3	69.0	66.7	63.9	60.4	57.5	5
134	-48.0	76.5	75.0	73.9	71.2	75.2	60.6	48.7	46.1	45.4	30.2	28.8	2
135	-48.0	76.5	75.9	74.2	71.9	67.8	62.0	53.9	47.0	41.8	34.8	26.5	2
136	-48.0	76.5	75.9	73.5	72.9	68.6	63.2	56.0	49.9	43.3	38.4	36.6	3
137	-36.0	76.5	75.9	74.7	73.6	70.7	68.3	63.7	60.1	57.2	52.6	50.8	4
138	-36.0	76.5	74.8	73.6	73.0	69.0	65.5	59.7	55.7	50.4	47.0	44.6	4
139	-48.0	76.5	74.8	73.6	71.9	67.3	62.1	55.2	48.4	43.2	36.3	36.3	3
140	-47.0	76.5	75.3	74.7	74.7	72.4	71.2	68.3	66.5	64.7	60.6	60.0	5
141	-51.0	76.5	75.3	74.1	74.1	72.4	71.2	68.8	67.1	65.3	61.8	60.6	5
142	-45.0	76.5	75.9	74.1	72.9	69.2	65.6	62.0	57.2	51.7	46.9	43.9	4
143	-49.0	76.5	75.9	74.1	73.0	68.8	64.7	60.6	55.3	51.2	45.9	44.1	4
144	-31.0	76.5	75.3	74.1	72.3	68.2	62.8	56.9	50.4	43.2	38.5	36.1	3
144A	-31.0	76.5	74.7	74.2	72.4	69.5	66.6	62.5	57.8	54.9	48.5	46.7	4
145	-51.4	7.0	4.7	3.6	4.1	3.6	4.1	3.6	4.1	22.5	23.1	22.5	2
146	-49.0	76.5	75.3	73.6	73.0	68.8	64.7	60.0	54.7	50.6	45.9	44.7	4
147	-46.6	76.5	75.4	73.6	71.3	66.2	59.8	51.8	43.8	37.4	30.5	30.0	2
148	-45.0	76.5	75.3	73.0	70.7	65.4	60.1	52.0	44.4	38.5	33.3	32.1	2
149	-45.0	76.5	74.7	72.9	70.6	65.2	58.7	51.0	43.2	35.5	28.4	26.6	2
149A	-45.0	76.5	75.9	74.7	74.7	72.8	72.2	69.8	68.0	66.1	63.1	60.6	5
150	-45.0	76.5	73.6	71.9	69.0	63.3	57.0	48.4	40.3	33.4	28.3	27.1	2
151	-38.0	76.5	74.1	71.8	68.3	61.8	54.1	44.1	34.7	26.4	20.5	20.5	1
152	-38.0	76.5	73.8	71.8	68.5	63.8	58.5	57.8	57.1	40.4	34.4	33.1	3
153	-38.0	76.5	74.2	70.7	67.8	61.4	53.9	44.1	34.2	26.1	19.7	19.7	1

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.8	73.6	71.9	69.6	67.2	64.3	60.9	58.5	53.9	47.5	44.6	40.6	37.1	33.6	29.6	26.7	23.8
.7	73.6	71.8	69.4	67.1	64.7	61.2	59.4	54.7	48.8	44.7	41.2	37.0	33.5	30.0	27.0	24.1
.8	73.6	71.9	70.1	67.8	65.5	62.6	59.7	55.1	49.3	45.8	41.8	37.7	34.2	30.7	27.9	24.4
.8	73.6	71.3	69.0	66.7	63.9	60.4	57.5	53.0	50.1	44.3	40.3	36.3	32.8	29.4	26.5	23.7
.2	75.2	60.6	48.7	46.1	45.4	30.2	28.8	26.9	23.8	23.2	21.6	19.6	18.3	16.3	16.3	14.3
.9	67.8	62.0	53.9	47.0	41.8	34.8	26.5	21.3	21.3	26.7	26.1	23.2	21.5	19.2	18.6	16.3
.9	68.6	63.2	56.0	49.9	43.3	38.4	36.6	33.6	31.8	28.8	26.3	23.9	22.1	20.3	18.5	16.7
.6	70.7	68.3	63.7	60.1	57.2	52.6	50.8	46.7	40.3	39.1	35.6	32.1	29.2	26.3	23.9	21.6
.0	69.0	65.5	59.7	55.7	50.4	47.0	44.6	41.2	34.8	34.2	31.9	29.0	25.5	23.2	21.5	19.2
.9	67.3	62.1	55.2	48.4	43.2	36.3	36.3	32.8	29.4	28.3	26.5	23.7	21.4	19.6	18.5	16.2
.7	72.4	71.2	68.3	66.5	64.7	60.6	60.0	54.7	50.6	45.3	40.6	37.0	33.5	30.0	27.6	24.1
.1	72.4	71.2	68.8	67.1	65.3	61.8	60.6	54.7	51.2	45.3	41.8	37.6	33.5	30.6	27.0	24.7
.9	69.2	65.6	62.0	57.2	51.7	46.9	43.9	41.4	37.8	34.2	32.4	28.2	25.7	23.9	21.5	20.3
.0	68.8	64.7	60.6	55.3	51.2	45.9	44.1	41.2	36.4	34.7	32.3	27.6	26.4	24.1	21.7	20.5
.3	68.2	62.8	56.9	50.4	43.2	38.5	36.1	33.7	32.5	30.8	26.6	23.6	22.4	20.7	18.9	17.1
.4	69.5	66.6	62.5	57.8	54.9	48.5	46.7	43.2	39.7	36.2	33.9	29.8	26.9	25.1	22.2	19.8
.1	3.6	4.1	3.6	4.1	22.5	23.1	22.5	21.3	20.2	19.0	17.9	16.2	15.6	15.0	13.9	12.2
.0	68.8	64.7	60.0	54.7	50.6	45.9	44.7	40.6	37.6	34.7	31.7	28.2	25.8	23.5	21.1	19.4
.3	66.2	59.8	51.8	43.8	37.4	30.5	30.0	27.7	26.0	23.7	21.9	20.2	19.1	17.3	16.2	15.0
.7	65.4	60.1	52.0	44.4	38.5	33.3	32.1	29.8	27.4	25.7	23.9	21.6	20.4	18.7	17.5	15.8
.6	65.2	58.7	51.0	43.2	35.5	28.4	26.6	24.8	23.6	21.9	20.7	18.9	17.7	16.5	15.3	14.1
.7	72.8	72.2	69.8	68.0	66.1	63.1	60.6	55.8	50.3	46.0	41.8	38.1	34.4	30.8	27.7	24.7
.0	63.3	57.0	48.4	40.3	33.4	28.3	27.1	24.8	24.2	22.5	20.8	18.5	17.3	16.8	15.0	14.5
.3	61.8	54.1	44.1	34.7	26.4	20.5	20.5	19.4	18.8	17.6	15.8	15.2	14.1	13.5	12.9	11.7
.5	63.8	58.5	57.8	57.1	40.4	34.4	33.1	30.4	27.7	26.4	23.7	22.4	20.4	19.7	17.7	16.4
.8	61.4	53.9	44.1	34.2	26.1	19.7	19.7	18.0	17.4	16.3	14.5	14.0	13.4	12.8	12.2	11.1

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
47.5	44.6	40.6	37.1	33.6	29.6	26.7	23.8	20.9	19.2	16.8	13.4	7.0
48.8	44.7	41.2	37.0	33.5	30.0	27.0	24.1	21.7	18.8	17.0	12.9	7.0
49.3	45.8	41.8	37.7	34.2	30.7	27.9	24.4	22.1	19.2	17.4	12.8	7.0
50.1	44.3	40.3	36.3	32.8	29.4	26.5	23.7	20.8	18.5	16.8	12.7	7.0
23.8	23.2	21.6	19.6	18.3	16.3	16.3	14.3	13.6	12.3	11.0	9.6	7.0
21.3	26.7	26.1	23.2	21.5	19.2	18.6	16.3	15.1	14.0	12.8	10.5	7.0
31.8	28.8	26.3	23.9	22.1	20.3	18.5	16.7	14.9	13.6	12.4	10.0	7.0
40.3	39.1	35.6	32.1	29.2	26.3	23.9	21.6	19.3	17.5	15.2	11.7	7.0
34.8	34.2	31.9	29.0	25.5	23.2	21.5	19.2	17.4	15.7	14.5	11.6	7.0
29.4	28.3	26.5	23.7	21.4	19.6	18.5	16.2	14.5	13.9	12.7	10.4	7.0
50.6	45.3	40.6	37.0	33.5	30.0	27.6	24.1	21.7	19.4	16.4	12.9	7.0
51.2	45.3	41.8	37.6	33.5	30.6	27.0	24.7	21.7	18.8	17.0	13.5	7.0
37.8	34.2	32.4	28.2	25.7	23.9	21.5	20.3	17.3	16.1	14.3	11.2	7.0
36.4	34.7	32.3	27.6	26.4	24.1	21.7	20.5	17.0	15.8	14.1	11.7	7.0
32.5	30.8	26.6	23.6	22.4	20.7	18.9	17.1	15.9	14.7	12.9	11.2	7.0
39.7	36.2	33.9	29.8	26.9	25.1	22.2	19.8	17.5	15.8	14.0	11.7	7.0
20.2	19.0	17.9	16.2	15.6	15.0	13.9	12.2	12.2	11.0	11.0	9.3	7.6
37.6	34.7	31.7	28.2	25.8	23.5	21.1	19.4	17.6	15.2	13.5	11.1	7.0
26.0	23.7	21.9	20.2	19.1	17.3	16.2	15.0	13.3	12.2	11.6	10.4	7.0
27.4	25.7	23.9	21.6	20.4	18.7	17.5	15.8	14.6	12.8	12.3	9.9	7.0
23.6	21.9	20.7	18.9	17.7	16.5	15.3	14.1	12.9	12.3	11.2	10.0	7.0
50.3	46.0	41.8	38.1	34.4	30.8	27.7	24.7	22.2	19.2	16.8	13.7	7.0
24.2	22.5	20.8	18.5	17.3	16.8	15.0	14.5	12.7	12.2	11.6	9.9	7.0
18.8	17.6	15.8	15.2	14.1	13.5	12.9	11.7	10.5	9.9	9.9	8.8	7.0
27.7	26.4	23.7	22.4	20.4	19.7	17.7	16.4	14.4	13.7	13.0	10.3	7.0
17.4	16.3	14.5	14.0	13.4	12.8	12.2	11.1	10.5	10.5	9.3	8.2	7.0

Table A9 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
154	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
155	-38.0	76.5	73.7	71.4	68.0	61.7	53.7	44.0	34.3	26.4	20.1	20.1	18.4
156	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
157	-31.0	76.5	72.3	69.9	66.9	60.3	53.1	43.5	34.6	28.0	24.4	23.8	22.(
158	-31.0	76.5	73.0	70.1	67.2	60.1	52.6	43.8	35.0	28.6	23.9	23.9	21.6
159	5.0	76.5	71.9	70.2	66.7	60.4	53.0	43.8	35.7	28.3	24.8	24.2	22.5
160	5.0	7.0	1.8	3.6	3.0	3.6	3.6	3.6	4.1	23.1	23.1	21.9	20.8
161	-31.0	7.0	4.1	-0.4	-6.7	-11.8	-11.8	-8.4	-1.6	9.9	19.6	20.1	20.-
162	-31.0	7.0	3.6	-2.8	-7.9	-13.1	-14.2	-9.1	-1.6	13.9	23.1	22.5	21.3
163	-31.0	7.0	3.5	-2.4	-8.8	-12.9	-13.5	-8.2	7.6	18.1	22.2	22.2	20.5
164	-31.0	7.0	4.7	-1.0	-8.5	-12.5	-11.9	-6.7	6.4	18.5	22.5	21.3	19.(
165	-31.0	7.0	5.3	0.1	5.0	-9.6	-9.6	-4.5	10.4	17.9	21.3	20.8	20.2
166	-31.0	7.0	6.4	0.7	5.1	-9.1	-9.1	0.7	15.0	20.2	20.8	20.8	19.6
167	-31.0	7.0	7.6	2.9	3.7	-3.1	-3.1	8.8	17.7	21.2	20.6	20.6	18.8
167A	-31.0	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6
168	-28.5	7.0	8.1	8.1	8.1	9.9	10.4	12.2	13.9	13.3	12.2	12.2	11.6
169	-24.0	7.0	8.2	9.5	11.3	11.9	15.6	18.6	21.7	22.9	22.9	22.3	20.5
170	-21.0	7.0	7.6	8.8	10.0	11.8	15.4	19.0	21.4	23.2	23.8	23.2	22.(
171	-27.0	7.0	6.4	7.0	7.0	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.6
172	-27.0	7.0	7.6	7.6	7.6	7.6	8.2	7.6	7.6	7.6	7.6	7.6	7.6
173	-27.0	7.0	7.0	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.0	7.6	7.6
174	-27.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.0	7.0	7.(
175	-27.0	7.0	6.4	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.6	7.0	7.(
176	-27.0	7.0	7.6	7.6	7.6	7.6	7.6	8.2	7.6	7.6	7.6	7.6	7.6
177	-34.0	7.0	7.6	7.0	7.6	8.1	7.6	8.1	7.6	7.6	7.6	8.1	7.6
178	-34.0	7.0	6.2	7.0	6.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8.0	61.7	53.7	44.0	34.3	26.4	20.1	20.1	18.4	17.3	16.1	16.1	14.4	14.4	13.8	12.7	12.1
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6.9	60.3	53.1	43.5	34.6	28.0	24.4	23.8	22.0	20.8	19.0	18.4	16.6	15.4	14.8	13.6	13.0
7.2	60.1	52.6	43.8	35.0	28.6	23.9	23.9	21.6	21.0	19.3	18.1	16.9	15.8	14.6	13.4	12.8
6.7	60.4	53.0	43.8	35.7	28.3	24.8	24.2	22.5	21.4	20.2	18.5	16.8	15.6	15.0	13.9	12.7
3.0	3.6	3.6	3.6	4.1	23.1	23.1	21.9	20.8	19.6	18.5	17.3	16.8	15.0	15.0	13.9	12.7
6.7	-11.8	-11.8	-8.4	-1.6	9.9	19.6	20.1	20.1	19.6	18.4	17.3	16.1	15.6	15.0	13.9	13.3
7.9	-13.1	-14.2	-9.1	-1.6	13.9	23.1	22.5	21.3	20.2	19.1	17.9	16.8	15.6	14.5	13.9	13.3
8.8	-12.9	-13.5	-8.2	7.6	18.1	22.2	22.2	20.5	19.9	18.7	17.5	16.4	15.8	14.6	13.4	12.9
8.5	-12.5	-11.9	-6.7	6.4	18.5	22.5	21.3	19.0	19.6	17.9	16.7	15.6	15.0	14.4	13.3	12.7
5.0	-9.6	-9.6	-4.5	10.4	17.9	21.3	20.8	20.2	20.2	19.0	18.5	17.9	17.3	15.6	15.6	14.5
5.1	-9.1	-9.1	0.7	15.0	20.2	20.8	20.8	19.6	19.1	18.5	17.9	16.2	15.6	14.5	14.5	13.3
3.7	-3.1	-3.1	8.8	17.7	21.2	20.6	20.6	18.8	17.7	17.7	16.5	15.3	14.1	14.1	12.9	12.3
7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0
8.1	9.9	10.4	12.2	13.9	13.3	12.2	12.2	11.6	11.6	11.6	11.6	11.0	11.0	10.4	10.4	9.9
1.3	11.9	15.6	18.6	21.7	22.9	22.9	22.3	20.5	20.5	19.3	18.0	16.2	15.6	15.0	14.4	13.1
0.0	11.8	15.4	19.0	21.4	23.2	23.8	23.2	22.0	20.8	20.2	18.4	17.2	16.0	14.8	14.2	13.0
7.0	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6
7.6	7.6	8.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6
7.6	7.0	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.6	7.0	7.6	7.0	7.0	7.6	7.6
7.0	7.0	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0	6.4	6.4	6.4	7.0	7.0	6.4	6.4
7.0	7.6	7.6	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.6	7.6	7.0	7.0
7.6	7.6	7.6	8.2	7.6	7.6	7.6	7.6	7.6	8.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6
7.6	8.1	7.6	8.1	7.6	7.6	7.6	8.1	7.6	7.0	7.6	7.6	7.6	7.0	7.0	7.6	7.6
6.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.2	7.0	7.0	7.0	6.2	7.0	7.0	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
—	—	—	—	—	—	—	—	—	—	—	—	—
17.3	16.1	16.1	14.4	14.4	13.8	12.7	12.1	11.6	10.4	10.4	8.7	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
20.8	19.0	18.4	16.6	15.4	14.8	13.6	13.0	11.8	10.6	10.0	8.8	7.0
21.0	19.3	18.1	16.9	15.8	14.6	13.4	12.8	11.7	11.1	9.9	9.3	7.0
21.4	20.2	18.5	16.8	15.6	15.0	13.9	12.7	12.2	11.0	10.4	8.7	7.0
19.6	18.5	17.3	16.8	15.0	15.0	13.9	12.7	12.2	11.0	10.4	9.3	7.6
19.6	18.4	17.3	16.1	15.6	15.0	13.9	13.3	12.7	11.6	11.6	10.4	8.1
20.2	19.1	17.9	16.8	15.6	14.5	13.9	13.3	12.2	11.0	10.4	9.3	7.6
19.9	18.7	17.5	16.4	15.8	14.6	13.4	12.9	12.3	11.1	10.5	9.3	7.6
19.6	17.9	16.7	15.6	15.0	14.4	13.3	12.7	11.6	11.0	10.4	9.3	8.1
20.2	19.0	18.5	17.9	17.3	15.6	15.6	14.5	13.9	12.7	12.7	11.6	9.3
19.1	18.5	17.9	16.2	15.6	14.5	14.5	13.3	12.7	11.6	11.6	10.4	8.7
17.7	17.7	16.5	15.3	14.1	14.1	12.9	12.3	11.7	11.1	10.6	9.4	7.6
7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.6
11.6	11.6	11.6	11.0	11.0	10.4	10.4	9.9	9.3	9.3	8.7	8.1	7.6
20.5	19.3	18.0	16.2	15.6	15.0	14.4	13.1	12.5	11.3	11.3	10.1	7.6
20.8	20.2	18.4	17.2	16.0	14.8	14.2	13.0	11.8	11.2	10.6	9.4	7.0
7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0
7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.6	7.6	7.0	7.0
7.0	7.6	7.0	7.6	7.0	7.0	7.6	7.6	7.0	7.6	7.0	7.6	7.0
7.0	6.4	6.4	6.4	7.0	7.0	6.4	6.4	6.4	6.4	6.4	6.4	7.0
7.0	7.0	7.6	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
8.2	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6
7.0	7.6	7.6	7.6	7.0	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0
6.2	7.0	7.0	7.0	6.2	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

Table A9 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
179	-34.0	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.0
180	-34.0	7.0	7.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.6	7.0	7.0
181	-34.0	7.0	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0
182	-31.8	7.0	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6
183	-31.8	7.0	6.4	7.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.0	7.0
184	-31.8	7.0	7.0	7.0	7.6	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0
185	-31.8	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.6	7.0
186	-27.0	7.0	7.0	7.0	7.0	5.3	4.1	1.2	-1.1	-3.5	-4.6	-4.0	-3.5
187	-27.0	7.0	7.6	8.7	10.4	13.3	17.3	20.1	24.1	27.0	28.7	27.5	25.8
188	-34.0	7.0	7.0	8.1	8.7	9.3	11.0	12.1	13.8	13.8	13.8	14.4	13.8
189	-34.0	—	—	—	—	—	—	—	—	—	—	—	—
190	-34.0	7.0	7.0	7.6	8.2	9.9	10.5	12.2	13.3	13.3	13.9	13.3	12.8
191	-34.0	7.0	7.6	8.7	9.9	12.2	14.5	17.4	20.3	22.7	23.2	23.2	20.9
192	-34.0	7.0	7.7	8.3	9.7	12.4	15.1	17.7	21.1	22.4	23.1	23.1	21.8

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
.0	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0
.0	7.6	7.6	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	6.4	7.0
.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.6	7.6	7.0
.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.0	7.6	7.0	7.6	7.0	7.6	7.6	7.6
.0	7.0	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0
.6	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0
.0	7.0	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.0	6.4	7.0
.0	5.3	4.1	1.2	-1.1	-3.5	-4.6	-4.0	-3.5	-1.1	0.6	0.6	1.2	1.2	2.9	2.9	3.5
.4	13.3	17.3	20.1	24.1	27.0	28.7	27.5	25.8	24.1	22.4	20.7	19.0	17.8	16.7	15.6	14.4
.7	9.3	11.0	12.1	13.8	13.8	13.8	14.4	13.8	13.2	12.7	12.1	11.5	11.0	11.0	10.4	9.8
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.2	9.9	10.5	12.2	13.3	13.3	13.9	13.3	12.8	12.8	12.2	11.6	11.0	11.0	9.9	9.9	9.3
.9	12.2	14.5	17.4	20.3	22.7	23.2	23.2	20.9	21.5	19.2	10.0	16.9	16.3	14.5	14.0	13.4
.7	12.4	15.1	17.7	21.1	22.4	23.1	23.1	21.8	21.1	19.8	18.4	17.4	16.4	15.1	15.1	13.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	6.4	7.0	7.0	6.4	7.0
7.0	7.0	6.4	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.6	7.0	7.0
7.6	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.6	7.0	7.0	7.0	7.0
7.0	7.6	7.0	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0
7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	6.4	7.0	7.0	7.0	6.4
6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.6	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0
-1.1	0.6	0.6	1.2	1.2	2.9	2.9	3.5	4.1	4.7	5.3	5.8	7.0
24.1	22.4	20.7	19.0	17.8	16.7	15.6	14.4	13.3	12.1	11.6	9.9	7.6
13.2	12.7	12.1	11.5	11.0	11.0	10.4	9.8	9.8	9.3	8.7	8.1	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
12.8	12.2	11.6	11.0	11.0	9.9	9.9	9.3	9.9	8.2	8.2	8.2	7.0
21.5	19.2	10.0	16.9	16.3	14.5	14.0	13.4	11.6	11.1	10.5	9.3	7.6
21.1	19.8	18.4	17.4	16.4	15.1	15.1	13.7	12.4	12.4	11.0	9.7	7.7

(Sheet 8 of 8)

Table A10
H-H Pattern System Average Piezometer Reading During Emptying Operation, Type 2 S
Operation

No.	Elev.	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
UP	—	76.5	77.1	77.1	76.5	76.5	77.1	76.5	76.5	77.1	77.1	77.1	77.1
LC	—	76.5	75.9	75.9	75.9	74.8	74.8	74.3	73.7	73.1	71.5	69.2	64.7
LP	—	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
14	-53.0	76.5	76.5	74.8	75.4	74.3	74.3	72.6	71.5	69.8	65.9	62.5	55.2
15	-46.0	76.5	76.5	75.3	75.9	75.3	74.2	73.6	71.9	70.1	66.7	63.2	55.7
16	-3.0	76.5	76.5	76.5	76.5	76.5	75.9	75.9	76.5	75.9	75.9	76.5	75.9
17	-3.0	76.5	75.9	74.3	75.4	74.3	73.7	72.6	71.5	69.8	65.9	61.9	54.6
18	-39.0	76.5	76.5	75.4	76.5	75.4	74.2	73.1	72.5	70.3	66.9	62.9	55.6
19	-38.4	76.5	76.5	74.8	75.4	74.2	73.7	73.1	71.9	69.7	66.2	62.8	55.4
20	-37.7	76.5	76.5	75.1	75.1	74.4	73.7	72.3	70.9	68.8	64.6	59.7	50.5
21	-37.7	76.5	76.5	74.8	75.4	74.2	74.2	73.1	71.4	70.3	66.3	62.4	55.0
22	-37.0	76.5	75.9	75.3	75.3	74.7	74.2	72.4	71.8	70.1	66.6	62.5	54.9
23	-36.0	76.5	76.5	74.8	75.4	74.2	73.7	72.5	71.4	69.7	66.3	61.8	55.0
24	-35.0	76.5	75.9	74.8	75.4	74.3	73.1	72.6	71.5	69.8	65.9	61.9	54.6
25	-33.5	76.5	76.5	75.4	75.4	74.2	74.2	72.5	71.4	69.7	66.8	61.7	54.9
26	-32.0	76.5	76.5	74.8	75.9	74.2	74.2	72.5	71.4	69.7	66.8	62.3	54.9
27	-31.0	76.5	76.5	74.8	75.4	74.8	73.7	72.5	71.4	69.7	66.2	61.7	54.3
27A	-31.0	76.5	76.5	75.4	75.9	74.8	74.8	73.7	73.1	71.4	69.1	65.7	58.8
28	-42.0	76.5	76.5	75.3	75.9	74.7	74.1	73.0	71.8	70.6	66.5	61.8	54.7
29	-42.0	76.5	75.4	74.8	74.8	73.7	73.1	72.0	70.9	69.8	65.9	61.9	54.1
30	-42.0	76.5	76.5	74.8	75.4	74.2	74.2	72.5	71.4	69.7	65.7	61.7	54.3
31	-42.0	76.5	75.9	74.8	75.4	74.2	73.6	72.5	70.8	69.6	65.6	61.0	54.1
32	-53.0	76.5	76.5	75.4	75.4	74.8	74.2	72.5	71.4	70.2	66.2	61.7	54.9
33	-53.0	76.5	75.9	74.8	75.9	74.2	74.2	73.1	71.4	69.7	65.7	61.7	54.9
34	-53.0	76.5	75.9	74.8	75.4	74.2	73.7	72.5	70.8	69.7	65.8	61.8	55.0

zometer Reading During Emptying Operation, Type 2 System, Lift 69.5 ft, Valve Speed 4 Min, Upper Pool El 76.5, L

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
6.5	76.5	77.1	76.5	76.5	77.1	77.1	77.1	77.1	77.1	76.5	76.5	76.5	76.5	77.1	76.5	77.1
5.9	74.8	74.8	74.3	73.7	73.1	71.5	69.2	64.7	58.6	53.5	49.0	44.0	39.5	36.1	32.2	28.9
.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
5.4	74.3	74.3	72.6	71.5	69.8	65.9	62.5	55.2	49.6	45.7	42.9	37.8	35.0	31.7	27.7	25.5
5.9	75.3	74.2	73.6	71.9	70.1	66.7	63.2	55.7	50.4	45.8	42.9	38.3	35.4	31.3	28.4	25.0
6.5	76.5	75.9	75.9	76.5	75.9	75.9	76.5	75.9	76.5	75.9	76.5	76.5	75.9	76.5	76.5	76.5
5.4	74.3	73.7	72.6	71.5	69.8	65.9	61.9	54.6	49.0	45.1	42.3	37.8	35.0	31.7	27.7	24.9
6.5	75.4	74.2	73.1	72.5	70.3	66.9	62.9	55.6	50.5	45.4	43.2	38.6	35.3	31.9	28.5	25.6
5.4	74.2	73.7	73.1	71.9	69.7	66.2	62.8	55.4	50.3	45.7	42.3	38.3	35.5	32.1	28.6	25.8
5.1	74.4	73.7	72.3	70.9	68.8	64.6	59.7	50.5	45.6	39.3	36.5	30.9	27.4	23.1	19.6	16.1
5.4	74.2	74.2	73.1	71.4	70.3	66.3	62.4	55.0	49.9	45.4	42.6	38.6	34.7	31.9	27.9	25.1
5.3	74.7	74.2	72.4	71.8	70.1	66.6	62.5	54.9	50.2	45.5	43.2	38.5	35.0	31.5	28.0	25.1
5.4	74.2	73.7	72.5	71.4	69.7	66.3	61.8	55.0	50.5	45.4	42.0	38.6	34.7	31.9	28.5	25.1
5.4	74.3	73.1	72.6	71.5	69.8	65.9	61.9	54.6	50.2	45.1	42.3	38.4	34.5	31.7	28.3	24.9
5.4	74.2	74.2	72.5	71.4	69.7	66.8	61.7	54.9	50.3	45.7	42.3	38.3	34.9	31.5	28.6	24.7
5.9	74.2	74.2	72.5	71.4	69.7	66.8	62.3	54.9	50.3	45.7	42.9	38.3	34.9	31.5	28.6	24.7
5.4	74.8	73.7	72.5	71.4	69.7	66.2	61.7	54.3	50.3	45.7	42.3	37.8	34.9	31.5	28.1	24.7
5.9	74.8	74.8	73.7	73.1	71.4	69.1	65.7	58.8	54.3	49.2	44.6	40.6	37.2	33.2	29.8	26.4
5.9	74.7	74.1	73.0	71.8	70.6	66.5	61.8	54.7	50.0	45.9	42.9	38.8	35.3	32.3	28.8	25.3
4.8	73.7	73.1	72.0	70.9	69.8	65.9	61.9	54.1	49.0	45.1	42.9	37.8	35.0	31.7	27.7	25.5
5.4	74.2	74.2	72.5	71.4	69.7	65.7	61.7	54.3	49.7	45.2	42.9	38.3	34.9	31.5	28.1	25.2
5.4	74.2	73.6	72.5	70.8	69.6	65.6	61.0	54.1	48.9	44.9	42.0	37.4	35.1	31.1	27.7	25.4
5.4	74.8	74.2	72.5	71.4	70.2	66.2	61.7	54.9	49.2	45.7	42.3	37.8	34.9	31.5	27.5	24.7
5.9	74.2	74.2	73.1	71.4	69.7	65.7	61.7	54.9	49.2	45.2	42.3	37.8	34.9	31.5	27.5	25.2
5.4	74.2	73.7	72.5	70.8	69.7	65.8	61.8	55.0	49.4	44.9	42.6	37.5	34.7	31.3	27.9	25.1

, Lift 69.5 ft, Valve Speed 4 Min, Upper Pool El 76.5, Lower Pool El 7, Single Valve

300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
.1	76.5	76.5	76.5	76.5	77.1	76.5	77.1	77.1	76.5	76.5	77.1	77.1
.6	53.5	49.0	44.0	39.5	36.1	32.2	28.9	26.1	22.7	19.9	15.4	7.0
.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
.6	45.7	42.9	37.8	35.0	31.7	27.7	25.5	23.3	19.9	18.2	14.3	7.0
.4	45.8	42.9	38.3	35.4	31.3	28.4	25.0	23.2	20.3	18.0	14.5	7.0
.5	75.9	76.5	76.5	75.9	76.5	76.5	76.5	76.5	75.9	75.9	76.5	76.5
.0	45.1	42.3	37.8	35.0	31.7	27.7	24.9	22.7	19.9	17.6	13.7	7.0
.5	45.4	43.2	38.6	35.3	31.9	28.5	25.6	22.8	20.0	17.7	14.3	7.0
.3	45.7	42.3	38.3	35.5	32.1	28.6	25.8	23.0	20.7	18.4	15.0	7.0
.6	39.3	36.5	30.9	27.4	23.1	19.6	16.1	14.0	11.2	9.8	8.4	7.0
.9	45.4	42.6	38.6	34.7	31.9	27.9	25.1	22.8	20.0	17.7	14.3	7.0
.2	45.5	43.2	38.5	35.0	31.5	28.0	25.1	22.8	19.8	17.5	14.0	7.0
.5	45.4	42.0	38.6	34.7	31.9	28.5	25.1	22.8	20.0	17.7	14.3	7.0
.2	45.1	42.3	38.4	34.5	31.7	28.3	24.9	22.7	20.5	17.6	14.3	7.0
.3	45.7	42.3	38.3	34.9	31.5	28.6	24.7	23.0	20.7	17.8	14.4	7.0
.3	45.7	42.9	38.3	34.9	31.5	28.6	24.7	23.0	20.1	17.8	14.4	7.0
.3	45.7	42.3	37.8	34.9	31.5	28.1	24.7	22.4	20.1	17.8	14.4	7.0
.3	49.2	44.6	40.6	37.2	33.2	29.8	26.4	23.5	21.2	18.4	13.8	7.0
.0	45.9	42.9	38.8	35.3	32.3	28.8	25.3	22.9	20.5	18.2	14.1	7.0
.0	45.1	42.9	37.8	35.0	31.7	27.7	25.5	23.3	20.5	18.2	14.3	7.0
.7	45.2	42.9	38.3	34.9	31.5	28.1	25.2	23.0	20.1	17.8	14.4	7.0
.9	44.9	42.0	37.4	35.1	31.1	27.7	25.4	22.5	19.6	17.3	13.9	7.0
.2	45.7	42.3	37.8	34.9	31.5	27.5	24.7	22.4	19.5	17.3	13.8	7.0
.2	45.2	42.3	37.8	34.9	31.5	27.5	25.2	22.4	19.5	17.3	13.8	7.0
.4	44.9	42.6	37.5	34.7	31.3	27.9	25.1	22.8	20.0	17.7	14.3	7.0

Table A10 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=
35	-53.0	76.5	75.9	74.8	74.8	73.7	73.7	72.0	70.9	69.2	65.3	61.4	5
36	-53.0	76.5	75.9	75.3	75.3	74.7	74.1	72.9	72.3	70.6	67.0	63.4	5
36A	-53.0	76.5	76.5	75.4	75.9	74.8	74.2	73.1	72.5	71.4	68.6	65.2	5
37	-48.0	76.5	76.5	75.4	75.4	74.8	73.7	72.5	71.9	70.2	66.2	61.7	5
38	-36.0	76.5	76.5	75.4	75.4	74.2	73.7	72.5	70.8	69.1	65.1	60.5	5
39	-48.0	76.5	77.1	75.9	76.5	75.3	74.1	73.0	71.8	70.0	65.9	60.6	5
40	-36.0	76.5	75.9	74.8	75.4	73.7	73.1	72.0	70.3	68.6	64.6	60.1	5
41	-36.0	76.5	75.9	74.8	75.4	73.7	73.7	72.0	70.3	69.2	64.1	59.0	5
42	-36.0	76.5	75.9	74.8	75.4	73.6	73.1	71.9	70.8	67.9	63.3	58.1	5
43	-33.0	76.5	76.5	75.4	75.4	73.6	71.9	70.2	67.9	65.0	58.7	50.1	3
44	-37.0	76.5	75.9	74.3	74.8	72.6	72.0	69.8	67.5	63.6	55.2	46.8	3
45	-39.0	76.5	75.9	75.9	75.9	74.7	74.0	72.8	72.2	69.7	67.3	62.4	5
46	-35.0	76.5	75.9	74.8	75.4	74.2	73.1	71.4	69.7	68.0	63.4	58.3	4
47	-35.0	76.5	75.9	74.3	74.8	73.7	73.1	71.5	70.3	68.1	64.7	59.1	5
48	-36.0	76.5	76.5	75.3	75.9	74.8	74.2	73.0	72.4	70.1	67.2	63.2	5
49	-36.0	76.5	75.9	75.4	75.4	74.2	72.5	72.5	71.4	70.2	66.8	62.8	5
50	-31.0	76.5	76.5	75.9	75.9	74.8	74.2	73.1	71.9	70.2	66.8	62.8	5
51	-42.0	76.5	75.9	75.4	75.9	74.2	73.6	73.1	71.9	70.2	67.3	63.9	5
52	-27.8	76.5	76.5	75.4	75.9	74.8	74.8	73.6	72.5	70.8	67.9	64.4	5
53	-49.5	76.5	75.9	75.4	75.4	74.8	74.2	73.1	72.5	70.8	68.0	65.2	5
54	-21.6	76.5	75.9	75.4	75.4	74.2	74.2	73.1	72.5	71.3	67.9	64.4	5
55	-41.6	76.5	75.9	75.9	75.9	74.7	74.2	73.0	72.4	71.2	68.3	64.8	5
56	-17.5	76.5	76.5	75.3	75.3	74.7	74.2	73.6	72.4	71.2	68.3	64.8	5
57	-35.2	76.5	75.9	75.4	75.9	74.8	74.2	73.1	72.0	70.3	67.5	64.1	5
58	-31.3	76.5	75.9	75.4	74.8	74.8	73.6	73.1	71.9	70.2	67.3	64.4	5
59	-31.3	76.5	75.9	75.4	75.4	74.8	74.2	73.1	72.0	70.8	67.5	64.6	5

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
74.8	73.7	73.7	72.0	70.9	69.2	65.3	61.4	54.6	49.0	45.1	42.9	37.3	35.0	31.7	27.7	25.5
75.3	74.7	74.1	72.9	72.3	70.6	67.0	63.4	56.3	51.6	46.2	45.0	39.7	36.1	32.5	28.4	26.0
75.9	74.8	74.2	73.1	72.5	71.4	68.6	65.2	59.5	53.9	49.4	44.9	40.9	37.5	33.6	30.2	27.3
75.4	74.8	73.7	72.5	71.9	70.2	66.2	61.7	54.9	50.9	45.2	41.8	38.3	33.8	30.9	27.5	25.2
75.4	74.2	73.7	72.5	70.8	69.1	65.1	60.5	52.0	47.4	43.5	40.6	36.1	33.2	30.4	26.4	24.7
76.5	75.3	74.1	73.0	71.8	70.0	65.9	60.6	52.9	49.4	44.1	40.6	37.6	33.5	30.0	27.0	24.7
75.4	73.7	73.1	72.0	70.3	68.6	64.6	60.1	50.5	47.1	42.6	40.3	35.8	31.9	29.6	26.2	24.0
75.4	73.7	73.7	72.0	70.3	69.2	64.1	59.0	50.5	47.1	42.0	39.8	36.4	32.4	29.6	26.2	24.5
75.4	73.6	73.1	71.9	70.8	67.9	63.3	58.1	50.1	44.9	41.5	38.0	34.0	31.1	28.3	25.4	23.1
75.4	73.6	71.9	70.2	67.9	65.0	58.7	50.1	36.9	33.4	31.7	26.5	26.0	24.2	21.9	19.6	17.9
74.8	72.6	72.0	69.8	67.5	63.6	55.2	46.8	35.0	28.3	30.0	26.1	24.4	22.7	21.0	17.6	16.5
75.9	74.7	74.0	72.8	72.2	69.7	67.3	62.4	55.6	50.7	44.5	42.1	37.8	34.1	32.2	27.9	24.8
75.4	74.2	73.1	71.4	69.7	68.0	63.4	58.3	49.2	44.6	40.6	38.3	34.3	30.9	28.1	24.7	23.0
74.8	73.7	73.1	71.5	70.3	68.1	64.7	59.1	51.3	46.8	42.3	40.1	36.1	32.2	29.4	26.6	24.4
75.9	74.8	74.2	73.0	72.4	70.1	67.2	63.2	56.2	51.6	47.5	43.5	40.0	35.4	32.5	28.4	26.1
75.4	74.2	72.5	72.5	71.4	70.2	66.8	62.8	56.0	51.4	47.4	43.5	38.9	36.1	32.1	28.6	25.8
75.9	74.8	74.2	73.1	71.9	70.2	66.8	62.8	55.4	50.3	45.7	42.9	38.3	34.9	30.9	28.1	25.2
75.9	74.2	73.6	73.1	71.9	70.2	67.3	63.9	57.0	51.8	47.2	43.8	39.2	35.7	32.3	28.8	26.0
75.9	74.8	74.8	73.6	72.5	70.8	67.9	64.4	57.5	52.4	47.3	44.3	40.3	36.3	32.8	29.4	26.5
75.4	74.8	74.2	73.1	72.5	70.8	68.0	65.2	57.9	53.3	48.8	44.9	40.9	36.9	33.0	30.2	26.2
75.4	74.2	74.2	73.1	72.5	71.3	67.9	64.4	58.1	53.5	48.9	44.3	40.3	36.3	32.8	29.4	26.5
75.9	74.7	74.2	73.0	72.4	71.2	68.3	64.8	57.8	53.1	48.5	44.4	40.3	36.8	32.7	29.2	26.9
75.3	74.7	74.2	73.6	72.4	71.2	68.3	64.8	58.4	53.1	48.5	44.4	40.3	36.2	32.1	29.2	25.7
75.9	74.8	74.2	73.1	72.0	70.3	67.5	64.1	56.7	52.2	47.7	43.7	39.2	35.8	32.4	29.0	26.2
74.8	74.8	73.6	73.1	71.9	70.2	67.3	64.4	57.5	52.4	48.4	43.8	39.7	36.3	32.3	28.8	26.0
75.4	74.8	74.2	73.1	72.0	70.8	67.5	64.6	57.3	52.8	48.2	43.7	39.8	36.4	33.0	29.0	26.2

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
49.0	45.1	42.9	37.3	35.0	31.7	27.7	25.5	22.7	19.9	17.6	14.3	7.0
51.6	46.2	45.0	39.7	36.1	32.5	28.4	26.0	23.0	20.7	17.7	14.1	7.0
53.9	49.4	44.9	40.9	37.5	33.6	30.2	27.3	24.5	21.7	19.4	14.9	7.0
50.9	45.2	41.8	38.3	33.8	30.9	27.5	25.2	23.0	20.7	17.8	14.4	7.0
47.4	43.5	40.6	36.1	33.2	30.4	26.4	24.7	21.8	19.5	17.3	13.8	7.0
49.4	44.1	40.6	37.6	33.5	30.0	27.0	24.7	22.3	20.0	17.6	14.1	7.0
47.1	42.6	40.3	35.8	31.9	29.6	26.2	24.0	21.7	19.4	17.2	13.2	7.0
47.1	42.0	39.8	36.4	32.4	29.6	26.2	24.5	21.7	18.9	17.2	13.8	7.0
44.9	41.5	38.0	34.0	31.1	28.3	25.4	23.1	20.8	18.5	16.8	13.3	7.0
33.4	31.7	26.5	26.0	24.2	21.9	19.6	17.9	16.2	15.0	14.5	11.6	7.0
28.3	30.0	26.1	24.4	22.7	21.0	17.6	16.5	16.0	14.3	13.2	11.5	7.0
50.7	44.5	42.1	37.8	34.1	32.2	27.9	24.8	23.0	21.1	18.1	14.4	7.0
44.6	40.6	38.3	34.3	30.9	28.1	24.7	23.0	20.1	19.0	16.1	13.3	7.0
46.8	42.3	40.1	36.1	32.2	29.4	26.6	24.4	21.0	19.3	17.1	13.7	7.0
51.6	47.5	43.5	40.0	35.4	32.5	28.4	26.1	23.2	20.9	18.6	14.5	7.0
51.4	47.4	43.5	38.9	36.1	32.1	28.6	25.8	23.0	20.7	18.4	14.4	7.0
50.3	45.7	42.9	38.3	34.9	30.9	28.1	25.2	22.4	20.1	17.8	13.8	7.0
51.8	47.2	43.8	39.2	35.7	32.3	28.8	26.0	23.1	20.2	18.6	14.5	7.0
52.4	47.3	44.3	40.3	36.3	32.8	29.4	26.5	23.7	21.4	18.5	14.5	7.0
53.3	48.8	44.9	40.9	36.9	33.0	30.2	26.2	24.0	21.7	18.9	14.9	7.0
53.5	48.9	44.3	40.3	36.3	32.8	29.4	26.5	23.1	20.8	18.5	14.5	7.0
53.1	48.5	44.4	40.3	36.8	32.7	29.2	26.9	23.9	21.6	18.7	14.6	7.0
53.1	48.5	44.4	40.3	36.2	32.1	29.2	25.7	23.4	21.0	18.1	14.0	7.0
52.2	47.7	43.7	39.2	35.8	32.4	29.0	26.2	23.4	20.6	18.3	14.3	7.0
52.4	48.4	43.8	39.7	36.3	32.3	28.8	26.0	23.7	20.8	18.5	14.5	7.0
52.8	48.2	43.7	39.8	36.4	33.0	29.0	26.2	23.4	21.1	18.3	14.9	7.0

Table A10 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
60	-23.1	76.5	75.4	75.4	75.4	74.2	73.7	72.5	71.9	70.2	67.4	63.4	56.5
61	-23.1	76.5	76.5	76.5	75.9	75.9	75.3	74.7	74.1	73.6	72.4	70.6	64.1
62	-22.8	76.5	75.9	75.9	75.4	74.8	74.2	73.1	71.9	70.8	67.9	64.4	57.0
63	-22.8	76.5	75.9	75.4	76.5	75.4	74.8	74.2	73.1	71.9	69.0	66.2	59.3
64	-22.4	76.5	75.9	75.9	75.4	74.8	74.2	73.1	71.9	70.2	67.4	63.4	56.0
65	-22.4	76.5	76.5	75.8	75.8	75.2	74.5	73.9	72.5	71.2	68.6	65.2	58.6
66	-28.0	76.5	76.5	75.9	75.9	75.4	75.4	74.2	73.1	71.9	69.0	65.6	59.3
66A	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
67	-28.0	76.5	75.9	75.9	75.9	75.3	74.7	74.2	73.6	72.4	70.1	67.2	61.9
68	-28.0	76.5	77.1	75.9	75.9	75.3	75.9	75.3	74.7	74.0	73.4	72.8	69.1
69	-28.0	76.5	76.5	75.9	75.9	75.3	74.7	74.1	73.0	72.4	70.0	67.7	61.2
70	-28.0	76.5	77.1	76.5	76.5	76.5	75.9	75.9	75.4	74.8	73.1	70.2	64.0
71	-28.0	76.5	75.4	75.9	75.4	75.4	74.8	74.2	73.1	72.0	69.7	67.5	61.8
71A	-28.0	76.5	76.5	75.9	75.9	75.9	74.8	74.8	73.1	72.0	69.8	67.0	61.9
72	-28.0	76.5	76.5	75.9	75.4	74.8	74.2	73.7	72.5	71.4	68.0	65.2	58.4
73	-23.5	76.5	75.9	75.4	74.8	74.8	73.6	72.5	71.3	70.2	66.7	62.7	55.8
74	-23.5	76.5	75.9	75.4	74.8	74.8	73.7	73.1	72.0	70.8	67.5	63.5	56.7
75	-22.8	76.5	76.5	75.9	76.5	75.4	74.8	74.2	73.1	71.9	68.5	65.6	58.7
76	-28.0	76.5	76.5	75.9	75.9	74.8	74.8	74.2	73.1	71.3	68.5	65.6	58.1
76A	-28.0	76.5	76.5	75.9	75.9	75.4	74.8	73.6	73.1	71.9	69.0	65.6	58.7
77	-28.0	76.5	76.5	75.9	75.9	74.8	74.2	73.7	73.1	71.4	69.1	65.7	59.4
78	-28.0	76.5	76.5	76.5	75.9	75.9	75.3	74.1	73.6	72.4	70.0	67.1	61.2
79	-28.0	76.5	75.4	75.9	75.4	75.4	74.2	73.6	73.1	72.5	70.2	67.3	61.6
80	-28.0	76.5	75.9	75.9	75.4	75.4	74.8	73.7	73.1	71.9	69.7	67.4	61.7
81	-28.0	76.5	75.9	75.9	76.5	75.4	75.4	74.2	73.6	72.5	70.8	67.9	62.1
81A	-28.0	76.5	75.9	75.9	75.4	75.4	74.8	73.7	73.1	72.5	70.3	67.5	61.2

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
4	74.2	73.7	72.5	71.9	70.2	67.4	63.4	56.5	52.0	46.9	43.5	38.9	35.5	32.1	29.2	25.8
9	75.9	75.3	74.7	74.1	73.6	72.4	70.6	64.1	58.2	52.4	47.6	42.9	38.8	34.7	31.1	28.2
4	74.8	74.2	73.1	71.9	70.8	67.9	64.4	57.0	52.4	47.2	43.2	39.2	35.7	32.3	28.8	26.0
5	75.4	74.8	74.2	73.1	71.9	69.0	66.2	59.3	54.7	49.5	45.5	40.9	36.9	33.4	30.0	27.1
4	74.8	74.2	73.1	71.9	70.2	67.4	63.4	56.0	50.9	46.9	42.3	38.9	35.5	31.5	28.1	25.2
8	75.2	74.5	73.9	72.5	71.2	68.6	65.2	58.6	53.3	49.4	47.4	46.7	46.7	46.7	34.8	30.8
9	75.4	75.4	74.2	73.1	71.9	69.0	65.6	59.3	54.1	48.9	44.9	40.9	36.9	33.4	30.0	27.1
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9	75.3	74.7	74.2	73.6	72.4	70.1	67.2	61.9	56.6	51.4	46.7	42.0	38.5	33.9	30.9	28.0
9	75.3	75.9	75.3	74.7	74.0	73.4	72.8	69.1	61.7	55.6	50.7	44.5	40.2	36.5	32.2	28.5
9	75.3	74.7	74.1	73.0	72.4	70.0	67.7	61.2	55.9	51.2	46.5	42.3	38.2	34.7	30.6	27.6
5	76.5	75.9	75.9	75.4	74.8	73.1	70.2	64.0	58.3	52.6	47.4	43.5	39.5	35.5	30.9	28.1
4	75.4	74.8	74.2	73.1	72.0	69.7	67.5	61.8	56.2	51.6	47.1	42.6	38.6	34.7	31.3	27.9
9	75.9	74.8	74.8	73.1	72.0	69.8	67.0	61.9	56.3	51.3	46.8	42.9	38.4	35.0	31.1	28.3
4	74.8	74.2	73.7	72.5	71.4	68.0	65.2	58.4	53.3	48.8	44.9	40.3	36.4	33.0	29.6	26.8
8	74.8	73.6	72.5	71.3	70.2	66.7	62.7	55.8	50.7	46.1	42.6	38.6	35.1	31.7	28.8	25.4
8	74.8	73.7	73.1	72.0	70.8	67.5	63.5	56.7	51.6	47.7	43.2	39.2	35.8	32.4	29.0	26.2
5	75.4	74.8	74.2	73.1	71.9	68.5	65.6	58.7	54.1	48.9	44.9	40.3	36.3	32.8	29.4	26.5
9	74.8	74.8	74.2	73.1	71.3	68.5	65.6	58.1	53.5	48.9	44.3	40.3	36.3	32.8	29.4	26.5
9	75.4	74.8	73.6	73.1	71.9	69.0	65.6	58.7	53.5	48.4	44.9	40.3	36.9	33.4	30.0	26.5
9	74.8	74.2	73.7	73.1	71.4	69.1	65.7	59.4	54.3	50.3	45.2	41.2	37.2	33.2	30.4	26.9
9	75.9	75.3	74.1	73.6	72.4	70.0	67.1	61.2	55.9	51.8	47.6	43.5	38.8	34.7	31.7	28.2
4	75.4	74.2	73.6	73.1	72.5	70.2	67.3	61.6	55.8	51.2	46.6	42.0	38.6	34.6	30.5	27.7
4	75.4	74.8	73.7	73.1	71.9	69.7	67.4	61.7	56.6	51.4	46.9	42.9	38.9	34.9	31.5	28.1
5	75.4	75.4	74.2	73.6	72.5	70.8	67.9	62.1	56.4	51.8	47.8	42.6	39.2	35.1	31.1	27.7
4	75.4	74.8	73.7	73.1	72.5	70.3	67.5	61.2	56.2	51.1	47.1	42.6	38.6	34.7	31.3	27.9

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
52.0	46.9	43.5	38.9	35.5	32.1	29.2	25.8	23.5	20.7	18.4	15.0	7.0
58.2	52.4	47.6	42.9	38.8	34.7	31.1	28.2	24.7	21.7	19.4	15.2	7.0
52.4	47.2	43.2	39.2	35.7	32.3	28.8	26.0	23.1	20.8	18.5	14.5	7.0
54.7	49.5	45.5	40.9	36.9	33.4	30.0	27.1	24.2	21.4	19.1	15.0	7.0
50.9	46.9	42.3	38.9	35.5	31.5	28.1	25.2	22.4	20.1	17.8	13.8	7.0
53.3	49.4	47.4	46.7	46.7	46.7	34.8	30.8	27.5	24.2	21.6	15.6	7.0
54.1	48.9	44.9	40.9	36.9	33.4	30.0	27.1	23.7	21.4	18.5	15.0	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
56.6	51.4	46.7	42.0	38.5	33.9	30.9	28.0	24.5	21.6	19.3	14.6	7.0
61.7	55.6	50.7	44.5	40.2	36.5	32.2	28.5	25.5	22.4	19.9	15.0	7.0
55.9	51.2	46.5	42.3	38.2	34.7	30.6	27.6	24.7	21.7	19.4	15.2	7.0
58.3	52.6	47.4	43.5	39.5	35.5	30.9	28.1	24.7	21.8	19.0	15.0	7.0
56.2	51.6	47.1	42.6	38.6	34.7	31.3	27.9	24.5	21.7	19.4	14.9	7.0
56.3	51.3	46.8	42.9	38.4	35.0	31.1	28.3	24.9	22.1	19.9	14.8	7.0
53.3	48.8	44.9	40.3	36.4	33.0	29.6	26.8	24.0	21.1	18.9	14.9	7.0
50.7	46.1	42.6	38.6	35.1	31.7	28.8	25.4	23.1	20.8	18.5	14.5	7.0
51.6	47.7	43.2	39.2	35.8	32.4	29.0	26.2	23.4	20.6	18.3	14.3	7.0
54.1	48.9	44.9	40.3	36.3	32.8	29.4	26.5	23.7	21.4	19.1	14.5	7.0
53.5	48.9	44.3	40.3	36.3	32.8	29.4	26.5	23.7	20.8	18.5	14.5	7.0
53.5	48.4	44.9	40.3	36.9	33.4	30.0	26.5	23.7	21.4	19.1	14.5	7.0
54.3	50.3	45.2	41.2	37.2	33.2	30.4	26.9	24.1	21.8	19.0	14.4	7.0
55.9	51.8	47.6	43.5	38.8	34.7	31.7	28.2	25.3	21.7	19.4	15.2	7.0
55.8	51.2	46.6	42.0	38.6	34.6	30.5	27.7	24.2	21.4	19.1	14.5	7.0
56.6	51.4	46.9	42.9	38.9	34.9	31.5	28.1	24.7	21.8	19.5	15.0	7.0
56.4	51.8	47.8	42.6	39.2	35.1	31.1	27.7	24.8	21.9	19.6	15.0	7.0
56.2	51.1	47.1	42.6	38.6	34.7	31.3	27.9	25.1	22.3	19.4	14.9	7.0

Table A10 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
82	-22.8	76.5	76.5	75.9	75.9	74.8	74.2	73.0	71.9	70.7	67.8	63.2	56.
83	-22.8	76.5	76.5	75.9	75.9	74.8	74.2	73.1	72.5	70.8	68.0	64.0	57.
84	-22.8	76.5	75.9	75.9	75.9	74.8	74.2	72.5	71.9	70.2	66.8	63.4	56.
85	-22.8	76.5	76.5	75.4	75.4	74.8	74.2	73.1	72.0	70.8	68.0	64.6	59.
86	-25.5	76.5	75.9	75.9	75.4	75.4	74.8	74.3	73.7	73.1	71.5	69.2	63.
87	-48.0	76.5	75.9	74.8	75.4	74.2	74.2	72.5	72.0	70.3	7.5	64.6	57.
88	-36.0	76.5	75.9	75.3	75.3	74.2	74.2	72.4	71.9	70.1	67.2	64.3	56.
89	-48.0	76.5	75.9	75.4	75.4	73.7	73.7	72.5	71.9	70.2	68.0	64.0	58.
90	-48.0	76.5	75.9	75.9	75.9	74.2	74.2	73.1	72.5	70.8	68.0	65.1	58.
91	-48.0	76.5	75.9	75.4	75.4	74.2	73.7	72.0	72.0	70.3	67.5	64.6	59.
92	-36.0	76.5	75.9	75.4	75.4	74.2	74.2	73.1	72.5	70.8	67.4	64.5	58.
93	-36.0	76.5	76.5	75.9	75.9	75.3	75.3	74.8	74.2	73.0	70.1	66.7	60.
94	-36.0	76.5	75.9	75.4	75.4	74.2	73.7	73.1	71.9	70.8	68.0	64.5	58.
95	-48.0	76.5	76.5	75.3	75.3	74.7	73.5	72.3	71.1	69.9	65.7	60.9	51.
96	-48.0	76.5	75.9	75.4	75.4	73.6	73.1	70.8	69.6	67.9	62.7	57.5	45.
97	-48.0	76.5	75.9	75.4	75.4	73.7	73.1	71.4	69.1	66.8	61.7	55.4	45.
98	-31.0	76.5	75.4	75.4	75.4	74.8	73.7	73.1	72.0	70.9	68.1	64.7	59.
99	-42.0	76.5	76.5	75.3	75.3	74.6	74.0	72.2	70.3	69.1	64.7	59.7	50.
100	-27.8	76.5	75.4	74.8	75.4	74.8	74.2	73.1	71.9	70.8	67.3	63.9	57.
101	-49.5	76.5	76.5	75.9	75.9	75.3	74.7	73.6	73.0	71.2	68.8	65.3	58.
102	-21.6	76.5	75.9	75.9	75.9	75.3	74.7	74.2	73.0	72.4	69.5	66.0	59.
103	-41.6	76.5	75.9	75.2	75.2	74.6	74.0	73.3	73.3	72.7	70.2	68.3	65.
104	-17.5	76.5	75.2	75.2	75.2	74.6	73.9	72.6	72.0	70.7	61.1	64.2	57.
105	-35.2	76.5	75.9	75.9	75.9	75.4	74.8	73.7	72.5	71.4	68.5	65.1	58.
106	-31.3	76.5	76.5	76.5	75.9	75.9	74.8	74.8	73.0	72.4	69.0	66.1	59.
107	-31.3	76.5	76.5	75.9	75.3	75.3	74.8	74.2	73.0	71.9	69.0	65.5	58.

45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
9	74.8	74.2	73.0	71.9	70.7	67.8	63.2	56.8	52.2	47.5	42.9	39.4	35.4	31.9	29.0	25.5
9	74.8	74.2	73.1	72.5	70.8	68.0	64.0	57.7	52.6	48.6	44.6	40.0	36.6	32.6	29.2	26.4
9	74.8	74.2	72.5	71.9	70.2	66.8	63.4	56.0	51.4	46.9	42.9	38.9	35.5	32.1	28.6	25.8
4	74.8	74.2	73.1	72.0	70.8	68.0	64.6	59.0	53.3	48.8	44.9	40.9	36.4	33.0	29.6	26.8
4	75.4	74.8	74.3	73.7	73.1	71.5	69.2	63.6	58.0	53.5	49.0	44.0	40.1	36.1	32.2	28.9
4	74.2	74.2	72.5	72.0	70.3	7.5	64.6	57.9	53.3	48.8	43.7	40.3	36.4	33.0	29.6	26.8
3	74.2	74.2	72.4	71.9	70.1	67.2	64.3	56.8	52.2	48.7	43.5	40.0	36.0	33.1	29.0	26.1
4	73.7	73.7	72.5	71.9	70.2	68.0	64.0	58.3	53.7	48.6	44.0	40.6	36.1	32.6	29.2	26.4
9	74.2	74.2	73.1	72.5	70.8	68.0	65.1	58.8	53.7	49.2	44.6	40.6	36.6	32.6	29.8	25.8
4	74.2	73.7	72.0	72.0	70.3	67.5	64.6	59.0	53.3	48.8	44.3	40.3	36.4	33.0	30.2	26.2
4	74.2	74.2	73.1	72.5	70.8	67.4	64.5	58.3	53.1	48.6	44.6	40.0	36.6	33.2	29.2	26.4
9	75.3	75.3	74.8	74.2	73.0	70.1	66.7	60.3	54.5	49.9	44.6	40.6	37.1	33.6	29.6	26.7
4	74.2	73.7	73.1	71.9	70.8	68.0	64.5	58.8	53.1	48.6	44.0	40.0	36.6	33.2	29.8	26.4
3	74.7	73.5	72.3	71.1	69.9	65.7	60.9	51.3	47.1	43.5	39.4	35.8	32.8	29.2	26.8	24.4
4	73.6	73.1	70.8	69.6	67.9	62.7	57.5	45.4	44.3	40.9	37.4	34.0	31.1	27.7	25.4	23.7
4	73.7	73.1	71.4	69.1	66.8	61.7	55.4	45.2	40.6	38.3	34.3	31.5	28.6	26.4	23.5	21.8
4	74.8	73.7	73.1	72.0	70.9	68.1	64.7	59.1	53.5	48.5	44.6	40.6	36.1	33.3	30.0	26.6
3	74.6	74.0	72.2	70.3	69.1	64.7	59.7	50.4	45.5	42.4	38.6	35.5	33.1	30.0	28.1	26.2
4	74.8	74.2	73.1	71.9	70.8	67.3	63.9	57.5	53.0	48.4	44.3	39.7	36.9	32.8	30.0	26.0
9	75.3	74.7	73.6	73.0	71.2	68.8	65.3	58.8	54.1	49.4	44.7	40.6	37.0	33.5	30.0	27.0
9	75.3	74.7	74.2	73.0	72.4	69.5	66.0	59.0	54.3	49.6	45.0	40.9	37.9	33.3	29.8	26.9
2	74.6	74.0	73.3	73.3	72.7	70.2	68.3	65.8	64.5	55.7	50.0	44.3	39.9	36.1	32.3	28.5
2	74.6	73.9	72.6	72.0	70.7	61.1	64.2	57.7	53.1	47.9	44.0	39.5	35.6	32.3	29.7	26.5
9	75.4	74.8	73.7	72.5	71.4	68.5	65.1	58.3	53.1	48.6	44.0	40.0	36.6	32.6	29.8	26.4
9	75.9	74.8	74.8	73.0	72.4	69.0	66.1	59.1	53.9	49.9	45.2	41.2	37.1	33.6	30.2	27.3
3	75.3	74.8	74.2	73.0	71.9	69.0	65.5	58.5	53.3	49.3	45.2	40.6	36.5	33.1	29.6	26.1

=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
52.2	47.5	42.9	39.4	35.4	31.9	29.0	25.5	22.6	20.3	18.0	14.0	7.0
52.6	48.6	44.6	40.0	36.6	32.6	29.2	26.4	23.5	21.2	18.4	14.4	7.0
51.4	46.9	42.9	38.9	35.5	32.1	28.6	25.8	23.0	20.7	17.8	13.8	7.0
53.3	48.8	44.9	40.9	36.4	33.0	29.6	26.8	24.0	21.1	18.9	14.9	7.0
58.0	53.5	49.0	44.0	40.1	36.1	32.2	28.9	26.1	23.3	20.5	16.0	7.0
53.3	48.8	43.7	40.3	36.4	33.0	29.6	26.8	23.4	21.1	18.3	14.9	7.0
52.2	48.7	43.5	40.0	36.0	33.1	29.0	26.1	23.2	20.3	18.6	14.5	7.0
53.7	48.6	44.0	40.6	36.1	32.6	29.2	26.4	23.5	20.7	18.4	13.8	7.0
53.7	49.2	44.6	40.6	36.6	32.6	29.8	25.8	23.5	21.2	18.4	14.4	7.0
53.3	48.8	44.3	40.3	36.4	33.0	30.2	26.2	23.4	21.1	18.9	14.9	7.0
53.1	48.6	44.6	40.0	36.6	33.2	29.2	26.4	23.0	21.2	19.0	14.4	7.0
54.5	49.9	44.6	40.6	37.1	33.6	29.6	26.7	23.8	21.5	19.2	14.5	7.0
53.1	48.6	44.0	40.0	36.6	33.2	29.8	26.4	23.5	21.2	18.4	15.0	7.0
47.1	43.5	39.4	35.8	32.8	29.2	26.8	24.4	21.4	19.0	16.6	13.0	7.0
44.3	40.9	37.4	34.0	31.1	27.7	25.4	23.7	20.8	18.5	16.8	13.3	7.0
40.6	38.3	34.3	31.5	28.6	26.4	23.5	21.8	19.5	17.8	16.1	12.7	7.0
53.5	48.5	44.6	40.6	36.1	33.3	30.0	26.6	23.8	21.0	18.2	14.8	7.0
45.5	42.4	38.6	35.5	33.1	30.0	28.1	26.2	24.4	23.1	21.9	20.0	7.0
53.0	48.4	44.3	39.7	36.9	32.8	30.0	26.0	23.7	20.8	18.5	15.6	7.0
54.1	49.4	44.7	40.6	37.0	33.5	30.0	27.0	24.1	21.1	18.8	14.1	7.0
54.3	49.6	45.0	40.9	37.9	33.3	29.8	26.9	23.9	21.6	18.7	14.6	7.0
64.5	55.7	50.0	44.3	39.9	36.1	32.3	28.5	26.0	22.2	19.6	14.6	7.0
53.1	47.9	44.0	39.5	35.6	32.3	29.7	26.5	25.2	24.5	24.5	23.9	7.0
53.1	48.6	44.0	40.0	36.6	32.6	29.8	26.4	24.1	21.2	19.0	15.0	7.0
53.9	49.9	45.2	41.2	37.1	33.6	30.2	27.3	23.8	21.5	18.6	14.5	7.0
53.3	49.3	45.2	40.6	36.5	33.1	29.6	26.1	23.8	20.9	18.0	14.0	7.0

Table A10 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=2
108	-23.1	76.5	76.5	76.5	75.9	75.9	74.8	74.2	73.6	71.9	69.0	65.6	58.
109	-23.1	76.5	77.1	75.9	75.9	75.9	74.8	74.8	73.7	72.5	70.2	66.8	60.
110	-22.8	76.5	76.5	76.5	75.9	75.3	74.7	74.1	72.9	72.3	69.3	65.7	59.
111	-22.8	76.5	75.9	75.9	75.9	75.3	74.8	74.2	73.6	72.4	70.1	66.7	60.
112	-22.4	76.5	76.5	76.5	75.9	75.4	74.8	74.2	73.1	71.9	69.0	65.6	58.
113	-22.4	76.5	76.5	76.5	76.5	75.7	75.0	75.0	73.4	71.9	69.6	65.7	58.
114	-28.0	76.5	76.5	75.9	75.9	75.4	74.8	74.2	73.1	71.9	69.7	66.2	60.
114A	-28.0	76.5	76.5	75.9	75.9	75.9	74.8	74.8	73.7	72.5	69.7	66.8	60.
115	-28.0	76.5	76.5	76.5	75.9	75.9	75.4	74.8	73.6	73.1	70.2	67.9	61.
116	-28.0	76.5	76.5	76.5	76.5	76.5	75.4	74.8	74.2	73.1	70.8	68.5	62.
117	-28.0	76.5	75.9	75.9	75.4	75.4	74.8	74.2	73.7	72.5	70.2	68.0	62.
118	-28.0	76.5	76.5	76.5	75.9	75.4	74.8	74.8	74.2	73.1	70.8	68.0	62.
119	-28.0	—	—	—	—	—	—	—	—	—	—	—	—
119A	-28.0	76.5	76.5	75.9	75.9	75.9	75.4	74.8	74.2	73.1	70.8	68.5	62.
120	-23.5	76.5	77.8	77.8	77.8	77.1	77.1	76.5	75.9	75.9	75.2	74.6	65.
121	-23.5	76.5	76.5	75.9	75.9	75.9	75.3	74.8	73.6	72.4	70.1	66.7	60.
122	-22.8	76.5	77.1	76.5	76.5	75.9	75.4	74.8	74.2	72.5	70.2	66.7	60.
123	-22.8	76.5	75.9	75.4	75.4	75.4	74.8	73.7	72.5	71.4	69.1	65.7	58.
124	-28.0	76.5	76.5	75.9	75.9	75.4	74.8	74.2	73.1	72.5	69.6	66.2	59.
124A	-28.0	76.5	75.9	76.5	75.9	75.3	74.8	74.2	73.0	72.4	69.6	66.7	59.
125	-28.0	76.5	75.9	75.9	75.9	75.3	75.3	74.7	74.1	72.9	71.1	68.8	62.
126	-28.0	76.5	76.5	76.5	75.9	75.9	75.4	74.8	74.2	73.6	71.3	69.0	62.
127	-28.0	76.5	77.1	76.5	76.5	75.9	75.3	74.8	74.2	73.6	71.3	69.0	63.
128	-28.0	76.5	76.5	76.5	76.5	75.9	75.3	74.8	74.2	73.0	71.3	69.0	63.
129	-28.0	76.5	77.1	77.1	77.1	76.5	75.9	75.9	74.7	74.1	72.3	69.4	64.
129A	-28.0	76.5	77.1	76.5	76.5	75.9	75.9	75.3	74.8	73.6	71.9	69.0	63.

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
75.9	75.9	74.8	74.2	73.6	71.9	69.0	65.6	58.7	53.0	48.9	44.3	40.9	36.3	32.8	29.4	26.5
75.9	75.9	74.8	74.8	73.7	72.5	70.2	66.8	60.0	54.9	50.3	45.7	41.8	37.8	33.8	30.9	27.5
75.9	75.3	74.7	74.1	72.9	72.3	69.3	65.7	59.1	53.7	48.9	44.7	41.2	37.0	33.4	30.4	27.4
75.9	75.3	74.8	74.2	73.6	72.4	70.1	66.7	60.3	55.1	50.4	46.4	41.8	37.7	34.2	30.7	27.9
75.9	75.4	74.8	74.2	73.1	71.9	69.0	65.6	58.7	53.5	48.9	44.3	40.3	36.9	32.8	29.4	26.5
76.5	75.7	75.0	75.0	73.4	71.9	69.6	65.7	58.7	51.8	45.6	41.0	36.3	31.7	27.1	23.2	18.6
75.9	75.4	74.8	74.2	73.1	71.9	69.7	66.2	60.0	54.9	49.7	45.7	41.2	37.2	33.8	30.4	27.5
75.9	75.9	74.8	74.8	73.7	72.5	69.7	66.8	60.0	54.9	49.7	45.7	41.2	37.2	33.8	30.4	26.9
75.9	75.9	75.4	74.8	73.6	73.1	70.2	67.9	61.6	56.4	51.2	47.2	42.0	38.6	34.6	31.1	28.3
76.5	76.5	75.4	74.8	74.2	73.1	70.8	68.5	62.1	57.0	52.4	47.2	43.8	39.2	35.1	32.3	28.3
75.4	75.4	74.8	74.2	73.7	72.5	70.2	68.0	62.8	57.1	52.6	47.4	42.9	38.9	34.9	31.5	28.6
75.9	75.4	74.8	74.8	74.2	73.1	70.8	68.0	62.8	57.7	53.1	48.0	42.9	38.9	34.9	31.5	28.1
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
75.9	75.9	75.4	74.8	74.2	73.1	70.8	68.5	62.7	57.5	52.4	47.2	43.2	39.2	25.1	31.7	28.8
77.8	77.1	77.1	76.5	75.9	75.9	75.2	74.6	65.2	58.3	53.3	48.3	43.3	39.6	35.2	32.0	28.9
75.9	75.9	75.3	74.8	73.6	72.4	70.1	66.7	60.3	54.5	49.9	45.8	41.8	37.7	34.2	30.7	27.9
76.5	75.9	75.4	74.8	74.2	72.5	70.2	66.7	60.4	55.2	50.7	46.1	42.0	37.4	34.6	31.1	27.7
75.4	75.4	74.8	73.7	72.5	71.4	69.1	65.7	58.8	53.7	49.2	44.6	40.6	37.2	33.2	29.8	26.9
75.9	75.4	74.8	74.2	73.1	72.5	69.6	66.2	59.8	54.7	50.1	45.5	41.5	37.4	34.0	30.5	27.7
75.9	75.3	74.8	74.2	73.0	72.4	69.6	66.7	59.7	53.9	49.9	45.2	41.2	37.1	33.6	30.2	27.3
75.9	75.3	75.3	74.7	74.1	72.9	71.1	68.8	62.0	57.2	52.3	47.5	43.3	39.0	35.4	31.8	28.8
75.9	75.9	75.4	74.8	74.2	73.6	71.3	69.0	62.	57.0	52.4	47.8	43.8	39.7	35.7	31.7	28.3
76.5	75.9	75.3	74.8	74.2	73.6	71.3	69.0	63.2	57.4	52.8	48.1	43.5	40.0	36.0	31.9	28.4
76.5	75.9	75.3	74.8	74.2	73.0	71.3	69.0	63.2	58.0	52.2	47.5	42.9	39.4	34.8	31.9	27.9
77.1	76.5	75.9	75.9	74.7	74.1	72.3	69.4	64.0	58.7	53.3	48.6	43.8	39.7	36.1	31.9	29.0
76.5	75.9	75.9	75.3	74.8	73.6	71.9	69.0	63.2	58.5	53.3	48.1	43.5	40.0	36.0	32.5	28.4

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
53.0	48.9	44.3	40.9	36.3	32.8	29.4	26.5	23.7	20.8	18.5	14.5	7.0
54.9	50.3	45.7	41.8	37.8	33.8	30.9	27.5	24.1	21.8	19.5	15.0	7.0
53.7	48.9	44.7	41.2	37.0	33.4	30.4	27.4	23.8	21.4	18.4	14.8	7.0
55.1	50.4	46.4	41.8	37.7	34.2	30.7	27.9	24.4	22.1	19.2	15.1	7.0
53.5	48.9	44.3	40.3	36.9	32.8	29.4	26.5	23.7	20.8	19.1	14.5	7.0
51.8	45.6	41.0	36.3	31.7	27.1	23.2	18.6	15.5	13.2	10.9	8.5	7.0
54.9	49.7	45.7	41.2	37.2	33.8	30.4	27.5	24.1	21.8	19.0	15.0	7.0
54.9	49.7	45.7	41.2	37.2	33.8	30.4	26.9	24.7	21.2	19.0	15.0	7.0
56.4	51.2	47.2	42.0	38.6	34.6	31.1	28.3	24.8	22.5	19.6	15.6	7.0
57.0	52.4	47.2	43.8	39.2	35.1	32.3	28.3	24.8	22.5	19.6	15.6	7.0
57.1	52.6	47.4	42.9	38.9	34.9	31.5	28.6	25.2	22.4	20.1	15.0	7.0
57.7	53.1	48.0	42.9	38.9	34.9	31.5	28.1	25.2	22.4	20.1	15.5	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
57.5	52.4	47.2	43.2	39.2	25.1	31.7	28.8	24.8	22.5	19.6	15.6	7.0
58.3	53.3	48.3	43.3	39.6	35.2	32.0	28.9	25.2	22.7	20.1	15.8	7.0
54.5	49.9	45.8	41.8	37.7	34.2	30.7	27.9	25.0	22.1	19.7	15.1	7.0
55.2	50.7	46.1	42.0	37.4	34.6	31.1	27.7	24.2	22.5	19.1	14.5	7.0
53.7	49.2	44.6	40.6	37.2	33.2	29.8	26.9	24.1	21.2	19.5	15.0	7.0
54.7	50.1	45.5	41.5	37.4	34.0	30.5	27.7	24.2	21.9	19.1	15.0	7.0
53.9	49.9	45.2	41.2	37.1	33.6	30.2	27.3	24.4	21.5	18.6	14.5	7.0
57.2	52.3	47.5	43.3	39.0	35.4	31.8	28.8	25.1	22.1	20.3	15.5	7.0
57.0	52.4	47.8	43.8	39.7	35.7	31.7	28.3	24.8	22.5	20.2	15.6	7.0
57.4	52.8	48.1	43.5	40.0	36.0	31.9	28.4	25.5	22.6	19.7	15.1	7.0
58.0	52.2	47.5	42.9	39.4	34.8	31.9	27.9	25.0	22.1	19.7	15.1	7.0
58.7	53.3	48.6	43.8	39.7	36.1	31.9	29.0	25.4	22.4	20.1	15.3	7.0
58.5	53.3	48.1	43.5	40.0	36.0	32.5	28.4	25.5	22.6	19.7	15.1	7.0

Table A10 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24(
130	-22.8	76.5	76.5	75.9	75.4	75.9	74.8	73.6	72.5	71.9	69.0	65.6	58.7
131	-22.8	76.5	76.5	76.5	75.9	75.3	74.7	74.2	73.0	71.8	69.5	66.0	59.6
132	-22.8	76.5	76.5	75.9	75.9	75.9	75.3	74.2	73.6	72.4	69.5	66.0	60.1
133	-22.8	76.5	76.5	76.5	75.9	75.9	74.8	74.2	73.1	71.9	69.0	65.0	58.7
134	-48.0	76.5	76.5	75.2	75.2	73.9	72.0	69.4	66.8	62.9	54.4	49.9	31.7
135	-48.0	76.5	76.5	75.3	75.3	74.2	72.4	70.7	68.4	64.9	58.5	49.9	36.5
136	-48.0	76.5	75.9	74.7	74.7	73.5	72.3	70.6	68.8	65.8	58.7	51.0	38.5
137	-36.0	76.5	76.5	75.3	75.3	74.8	73.6	72.4	70.7	69.0	64.3	59.7	51.0
138	-36.0	76.5	75.9	74.8	74.8	74.2	73.1	71.3	69.6	67.3	61.0	55.8	45.5
139	-48.0	76.5	76.5	75.4	75.4	74.2	72.5	70.8	68.5	65.1	58.8	50.9	37.2
140	-47.0	76.5	76.5	75.3	75.3	75.3	74.7	74.2	72.4	71.2	67.7	64.8	59.6
141	-51.0	76.5	76.5	75.9	75.9	75.3	74.7	74.1	72.9	72.3	69.4	67.0	60.5
142	-45.0	76.5	75.9	75.9	75.3	74.7	73.5	72.3	70.5	68.6	64.4	58.4	43.9
143	-49.0	76.5	75.9	75.3	75.3	74.1	73.0	71.8	69.4	67.1	62.4	55.9	44.1
144	-31.0	76.5	75.9	74.7	74.7	73.6	71.8	70.7	68.9	64.2	59.0	51.4	36.8
144A	-31.0	76.5	75.9	74.7	74.7	74.2	73.6	71.8	70.1	68.3	63.1	57.8	47.3
145	-51.4	7.0	7.6	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	22.5
146	-49.0	76.5	76.5	75.3	75.3	74.7	73.5	71.7	70.0	67.6	62.2	55.7	45.0
147	-46.6	76.5	75.9	74.8	74.8	73.1	71.4	69.7	66.8	63.4	55.4	46.9	32.1
148	-45.0	76.5	75.9	74.2	74.2	73.1	71.3	69.0	66.7	63.3	55.8	47.8	33.4
149	-45.0	76.5	76.5	74.1	74.7	73.5	71.7	69.3	66.9	63.3	54.9	44.7	29.2
149A	-45.0	76.5	76.5	75.3	75.3	74.7	74.0	73.4	72.8	71.6	69.7	66.7	59.9
150	-45.0	76.5	75.9	73.6	74.2	72.4	70.7	68.4	65.5	61.4	52.8	43.5	27.9
151	-38.0	76.5	76.5	73.6	74.1	73.0	70.6	67.7	64.7	60.0	50.0	38.8	22.3
152	-38.0	76.5	75.8	73.8	73.8	72.5	70.5	68.5	66.5	63.1	59.1	58.5	34.4
153	-38.0	76.5	75.9	73.1	73.6	71.9	69.6	67.3	63.3	59.3	48.9	38.6	21.4

>45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
5.4	75.9	74.8	73.6	72.5	71.9	69.0	65.6	58.7	53.5	48.9	44.3	40.9	36.3	33.4	30.0	26.5
5.9	75.3	74.7	74.2	73.0	71.8	69.5	66.0	59.6	54.3	50.2	45.5	41.5	38.0	33.9	30.9	27.4
5.9	75.9	75.3	74.2	73.6	72.4	69.5	66.0	60.1	54.9	50.2	46.1	41.5	36.8	33.9	29.8	27.4
5.9	75.9	74.8	74.2	73.1	71.9	69.0	65.0	58.7	53.0	48.9	44.3	40.3	36.3	32.8	30.0	26.5
5.2	73.9	72.0	69.4	66.8	62.9	54.4	49.9	31.7	27.8	26.5	23.9	23.2	21.9	19.3	18.0	15.4
5.3	74.2	72.4	70.7	68.4	64.9	58.5	49.9	36.5	31.9	29.0	27.3	26.1	23.8	20.3	20.3	18.0
4.7	73.5	72.3	70.6	68.8	65.8	58.7	51.0	38.5	34.3	30.8	28.4	26.6	25.4	21.9	20.1	18.9
5.3	74.8	73.6	72.4	70.7	69.0	64.3	59.7	51.0	45.8	42.3	38.3	34.8	31.9	28.4	26.1	23.8
4.8	74.2	73.1	71.3	69.6	67.3	61.0	55.8	45.5	40.3	38.0	34.6	31.7	28.8	26.0	23.1	21.4
5.4	74.2	72.5	70.8	68.5	65.1	58.8	50.9	37.2	33.2	31.5	28.6	26.4	24.1	22.4	20.1	18.4
5.3	75.3	74.7	74.2	72.4	71.2	67.7	64.8	59.6	54.3	49.1	45.5	40.9	36.8	33.3	29.2	26.9
5.9	75.3	74.7	74.1	72.9	72.3	69.4	67.0	60.5	55.1	50.4	45.6	42.0	37.3	34.3	30.8	27.2
5.3	74.7	73.5	72.3	70.5	68.6	64.4	58.4	43.9	40.2	37.2	34.2	32.4	29.4	26.3	24.5	22.1
5.3	74.1	73.0	71.8	69.4	67.1	62.4	55.9	44.1	40.6	37.0	34.1	30.6	28.2	25.3	24.1	21.7
4.7	73.6	71.8	70.7	68.9	64.2	59.0	51.4	36.8	34.4	32.1	28.6	27.4	25.1	23.4	21.0	19.3
4.7	74.2	73.6	71.8	70.1	68.3	63.1	57.8	47.3	43.2	39.7	36.2	32.7	29.8	27.4	24.5	22.2
4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	22.5	21.3	20.2	18.5	18.5	16.7	15.6	14.5	13.9
5.3	74.7	73.5	71.7	70.0	67.6	62.2	55.7	45.0	40.3	37.3	33.7	31.4	28.4	26.0	23.0	21.3
4.8	73.1	71.4	69.7	66.8	63.4	55.4	46.9	32.1	27.5	25.8	24.1	21.8	20.7	19.0	17.8	16.1
4.2	73.1	71.3	69.0	66.7	63.3	55.8	47.8	33.4	29.4	28.3	26.0	23.7	21.9	20.2	18.5	17.3
4.7	73.5	71.7	69.3	66.9	63.3	54.9	44.7	29.2	25.0	23.8	21.4	20.2	19.0	17.8	16.0	14.8
5.3	74.7	74.0	73.4	72.8	71.6	69.7	66.7	59.9	55.0	50.1	45.7	41.4	37.1	33.4	29.8	26.7
4.2	72.4	70.7	68.4	65.5	61.4	52.8	43.5	27.9	25.0	23.2	20.9	19.7	18.0	16.8	15.7	14.5
4.1	73.0	70.6	67.7	64.7	60.0	50.0	38.8	22.3	18.8	17.6	16.4	15.8	14.7	14.1	12.9	12.9
3.8	72.5	70.5	68.5	66.5	63.1	59.1	58.5	34.4	29.7	27.7	25.7	23.7	21.7	20.4	18.4	17.7
3.6	71.9	69.6	67.3	63.3	59.3	48.9	38.6	21.4	18.5	17.3	16.2	15.0	14.5	13.9	12.7	12.7

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
53.5	48.9	44.3	40.9	36.3	33.4	30.0	26.5	24.2	21.4	19.1	14.5	7.0
54.3	50.2	45.5	41.5	38.0	33.9	30.9	27.4	24.5	21.6	19.3	15.2	7.0
54.9	50.2	46.1	41.5	36.8	33.9	29.8	27.4	23.9	21.0	18.7	14.6	7.0
53.0	48.9	44.3	40.3	36.3	32.8	30.0	26.5	23.7	21.4	19.1	14.5	7.0
27.8	26.5	23.9	23.2	21.9	19.3	18.0	15.4	15.4	14.8	13.5	11.5	7.0
31.9	29.0	27.3	26.1	23.8	20.3	20.3	18.0	16.3	15.1	13.4	11.6	7.0
34.3	30.8	28.4	26.6	25.4	21.9	20.1	18.9	17.1	15.9	14.1	12.3	7.0
45.8	42.3	38.3	34.8	31.9	28.4	26.1	23.8	21.5	19.2	16.8	14.0	7.0
40.3	38.0	34.6	31.7	28.8	26.0	23.1	21.4	19.6	17.3	15.6	12.7	7.0
33.2	31.5	28.6	26.4	24.1	22.4	20.1	18.4	17.3	15.5	13.8	11.6	7.0
54.3	49.1	45.5	40.9	36.8	33.3	29.2	26.9	24.5	21.6	19.3	14.6	7.0
55.1	50.4	45.6	42.0	37.3	34.3	30.8	27.2	24.2	21.3	18.9	14.7	7.0
40.2	37.2	34.2	32.4	29.4	26.3	24.5	22.1	19.1	17.9	16.1	13.0	7.0
40.6	37.0	34.1	30.6	28.2	25.3	24.1	21.7	18.8	17.0	15.8	12.9	7.0
34.4	32.1	28.6	27.4	25.1	23.4	21.0	19.3	17.5	16.3	14.6	12.3	7.0
43.2	39.7	36.2	32.7	29.8	27.4	24.5	22.2	19.8	18.1	16.3	12.8	7.0
21.3	20.2	18.5	18.5	16.7	15.6	14.5	13.9	13.3	12.7	11.6	9.9	7.6
40.3	37.3	33.7	31.4	28.4	26.0	23.0	21.3	19.5	17.1	15.3	12.3	7.0
27.5	25.8	24.1	21.8	20.7	19.0	17.8	16.1	15.0	13.8	12.7	11.0	7.0
29.4	28.3	26.0	23.7	21.9	20.2	18.5	17.3	16.2	14.5	13.3	11.0	7.0
25.0	23.8	21.4	20.2	19.0	17.8	16.0	14.8	14.2	13.0	11.8	10.0	7.0
55.0	50.1	45.7	41.4	37.1	33.4	29.8	26.7	24.2	21.1	19.3	15.0	7.0
25.0	23.2	20.9	19.7	18.0	16.8	15.7	14.5	14.0	12.2	11.1	9.9	7.0
18.8	17.6	16.4	15.8	14.7	14.1	12.9	12.9	11.7	11.1	10.5	8.8	7.0
29.7	27.7	25.7	23.7	21.7	20.4	18.4	17.7	15.7	15.0	13.7	11.0	7.0
18.5	17.3	16.2	15.0	14.5	13.9	12.7	12.7	11.6	11.0	10.4	9.3	7.0

Table A10 (Continued)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
154	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
155	-38.0	76.5	75.9	73.1	73.7	71.9	69.7	67.4	64.0	60.0	49.7	38.3	21.8
156	-38.0	—	—	—	—	—	—	—	—	—	—	—	—
157	-31.0	76.5	75.3	71.8	73.6	71.2	69.4	66.5	63.0	59.4	50.0	40.0	25.3
158	-31.0	76.5	75.9	71.9	73.6	71.3	69.6	67.2	63.2	59.7	50.4	40.6	25.0
159	5.0	76.5	75.4	71.9	73.6	71.3	69.6	66.7	63.3	59.8	50.7	40.9	25.4
160	5.0	7.0	8.1	4.1	4.1	3.6	4.1	3.6	4.1	4.1	4.1	3.6	22.5
161	-31.0	7.0	7.6	3.6	0.1	-3.3	-7.3	-10.7	-13.0	-14.7	-16.4	-11.3	10.4
162	-31.0	7.0	7.6	3.0	-1.0	-4.5	-7.9	-11.4	-14.8	-15.4	-16.5	-10.2	15.6
163	-31.0	7.0	8.2	2.3	-1.8	-5.3	-6.5	-11.2	-13.5	-15.3	-16.4	-10.0	29.5
164	-31.0	7.0	8.7	3.6	-0.4	-3.3	-6.2	-11.3	-11.9	-13.6	-15.3	-5.0	21.3
165	-31.0	7.0	8.1	3.6	0.7	-2.7	-5.6	-9.6	-10.2	-13.6	-14.2	-5.6	18.4
166	-31.0	7.0	7.6	5.9	1.8	0.1	-3.9	-7.9	-6.8	-8.5	-9.1	3.0	19.1
167	-31.0	7.0	7.6	8.2	4.0	-0.1	-1.9	-6.0	-6.6	-7.2	0.5	8.2	18.8
167A	-31.0	7.0	6.4	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0
168	-28.5	7.0	7.6	8.1	7.6	8.7	8.7	9.3	9.9	10.4	11.0	12.2	11.6
169	-24.0	7.0	7.6	8.2	8.8	8.2	8.8	8.8	7.6	9.5	13.7	17.4	21.1
170	-21.0	7.0	7.0	8.2	7.6	7.6	8.2	8.8	8.2	10.0	13.6	17.8	22.6
171	-27.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.6
172	-27.0	7.0	7.0	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6
173	-27.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0
174	-27.0	7.0	7.	7.6	7.0	7.0	7.6	7.0	7.6	7.6	7.6	7.6	7.6
175	-27.0	7.0	7.0	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.6
176	-27.0	7.0	6.4	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
177	-34.0	7.0	7.6	7.0	7.6	8.1	7.6	7.6	7.6	7.6	7.0	8.1	7.6
178	-34.0	7.0	7.0	7.0	7.0	7.0	7.8	7.0	7.0	7.0	7.8	7.0	7.0

=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.7	71.9	69.7	67.4	64.0	60.0	49.7	38.3	21.8	17.8	17.8	16.7	15.5	14.4	13.8	13.3	12.1
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
.6	71.2	69.4	66.5	63.0	59.4	50.0	40.0	25.3	22.3	21.1	19.4	18.2	17.0	16.4	14.7	14.1
.6	71.3	69.6	67.2	63.2	59.7	50.4	40.6	25.0	22.1	21.5	19.2	18.6	17.4	15.7	15.1	14.5
.6	71.3	69.6	66.7	63.3	59.8	50.7	40.9	25.4	21.9	20.8	19.6	18.5	16.8	15.6	14.5	13.3
.1	3.6	4.1	3.6	4.1	4.1	4.1	3.6	22.5	21.4	20.2	19.1	17.3	16.8	15.6	14.5	13.3
.1	-3.3	-7.3	-10.7	-13.0	-14.7	-16.4	-11.3	10.4	19.0	18.4	17.3	16.7	15.6	15.0	13.9	13.3
.0	-4.5	-7.9	-11.4	-14.8	-15.4	-16.5	-10.2	15.6	20.8	19.6	19.1	17.9	16.2	15.6	14.5	13.9
.8	-5.3	-6.5	-11.2	-13.5	-15.3	-16.4	-10.0	29.5	20.5	19.3	18.1	17.0	15.8	15.2	14.0	13.4
.4	-3.3	-6.2	-11.3	-11.9	-13.6	-15.3	-5.0	21.3	20.2	19.0	18.5	17.3	15.6	15.0	14.4	13.9
.7	-2.7	-5.6	-9.6	-10.2	-13.6	-14.2	-5.6	18.4	17.9	17.3	17.3	16.7	15.6	15.0	14.5	13.9
.8	0.1	-3.9	-7.9	-6.8	-8.5	-9.1	3.0	19.1	19.1	18.5	17.3	17.3	16.2	15.0	14.5	13.9
.0	-0.1	-1.9	-6.0	-6.6	-7.2	0.5	8.2	18.8	18.2	17.1	16.5	15.3	14.7	13.5	12.3	12.3
.4	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0
.6	8.7	8.7	9.3	9.9	10.4	11.0	12.2	11.6	11.6	11.6	11.0	11.6	11.0	11.0	10.4	10.4
.8	8.2	8.8	8.8	7.6	9.5	13.7	17.4	21.1	20.5	19.3	18.6	17.4	16.2	15.0	13.7	13.1
.6	7.6	8.2	8.8	8.2	10.0	13.6	17.8	22.6	20.8	20.8	20.2	17.8	16.6	15.4	14.8	13.0
.0	7.6	7.0	7.0	7.0	7.0	7.6	7.0	7.6	7.0	7.0	6.4	7.0	7.6	7.0	7.0	7.0
.6	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.6
.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
.0	7.0	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.6	7.0	7.0	7.0	7.0
.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.0
.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	7.0	6.4	7.0
.6	8.1	7.6	7.6	7.6	7.6	7.0	8.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0
.0	7.0	7.8	7.0	7.0	7.0	7.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
—	—	—	—	—	—	—	—	—	—	—	—	—
17.8	17.8	16.7	15.5	14.4	13.8	13.3	12.1	12.1	11.6	10.4	9.3	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
22.3	21.1	19.4	18.2	17.0	16.4	14.7	14.1	13.5	12.3	11.7	9.9	7.0
22.1	21.5	19.2	18.6	17.4	15.7	15.1	14.5	12.8	12.2	11.6	9.9	7.0
21.9	20.8	19.6	18.5	16.8	15.6	14.5	13.3	12.7	11.6	11.0	9.9	7.0
21.4	20.2	19.1	17.3	16.8	15.6	14.5	13.3	12.7	11.6	11.6	9.3	7.0
19.0	18.4	17.3	16.7	15.6	15.0	13.9	13.3	12.7	11.6	11.0	9.9	7.6
20.8	19.6	19.1	17.9	16.2	15.6	14.5	13.9	12.7	12.2	11.6	9.9	7.0
20.5	19.3	18.1	17.0	15.8	15.2	14.0	13.4	12.9	11.7	11.1	9.9	7.6
20.2	19.0	18.5	17.3	15.6	15.0	14.4	13.9	13.3	11.6	11.0	10.4	7.6
17.9	17.3	17.3	16.7	15.6	15.0	14.5	13.9	13.3	12.2	11.6	10.4	8.1
19.1	18.5	17.3	17.3	16.2	15.0	14.5	13.9	12.7	12.2	11.6	10.4	8.1
18.2	17.1	16.5	15.3	14.7	13.5	12.3	12.3	11.7	10.6	10.6	8.8	7.0
7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	6.4	6.4	7.0	6.4	6.4
11.6	11.6	11.0	11.6	11.0	11.0	10.4	10.4	1 9.9	9.3	8.7	8.1	7.6
20.5	19.3	18.6	17.4	16.2	15.0	13.7	13.1	12.5	11.9	11.3	9.5	7.0
20.8	20.8	20.2	17.8	16.6	15.4	14.8	13.0	12.4	11.8	10.6	9.4	7.0
7.0	7.0	6.4	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.6	7.6	7.0	7.6	7.6	7.0
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.6	7.0	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.0	7.0
7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.0	7.0	7.0	7.0	6.4	7.0	6.4	7.0	7.0	6.4	6.4	7.0	6.4
7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.0	7.0	7.6
7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.2	7.0

Table A10 (Concluded)

No.	Elev	T=0	T=15	T=30	T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=24
179	-34.0	7.0	7.0	7.0	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6
180	-34.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	6.4
181	-34.0	7.0	7.6	7.6	7.6	7.6	7.6	8.1	7.6	7.6	7.6	7.6	7.6
182	-31.8	7.0	6.4	7.0	6.4	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0
183	-31.8	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.0
184	-31.8	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
185	-31.8	7.0	7.6	7.0	7.0	7.0	7.6	7.6	7.0	7.6	7.6	7.6	7.6
186	-27.0	7.0	7.6	7.6	7.6	7.6	7.0	6.4	6.4	5.8	4.1	0.6	-2.9
187	-27.0	7.0	7.0	7.0	7.6	8.1	9.3	10.4	11.6	13.8	17.3	21.3	25.6
188	-34.0	7.0	7.0	7.6	7.6	8.1	8.1	8.7	9.3	9.8	11.0	12.7	13.2
189	-34.0	—	—	—	—	—	—	—	—	—	—	—	—
190	-34.0	7.0	7.0	7.6	7.6	8.2	8.2	8.2	8.7	9.3	10.5	11.6	13.3
191	-34.0	7.0	7.0	7.6	7.6	8.2	8.7	9.9	10.5	11.6	14.5	18.0	21.5
192	-34.0	7.0	7.0	7.0	7.7	7.7	9.0	9.7	11.0	12.4	15.7	18.4	21.8

T=45	T=60	T=75	T=90	T=105	T=120	T=150	T=180	T=240	T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720
7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0
7.0	7.0	7.0	7.0	6.4	7.0	7.0	7.0	6.4	7.0	7.6	7.6	7.0	7.0	7.0	7.0	6.4
7.6	7.6	7.6	8.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6
6.4	7.0	7.0	7.0	6.4	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4
7.0	7.0	7.0	7.0	7.0	7.6	7.6	7.0	7.0	7.6	7.0	7.0	7.6	7.0	7.6	7.0	7.0
7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6
7.0	7.0	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.6	7.0	7.6
7.6	7.6	7.0	6.4	6.4	5.8	4.1	0.6	-2.9	-2.9	-0.6	0.0	1.2	1.8	2.9	3.5	4.1
7.6	8.1	9.3	10.4	11.6	13.8	17.3	21.3	25.8	25.2	24.1	21.8	20.7	19.0	17.8	16.7	15.6
7.6	8.1	8.1	8.7	9.3	9.8	11.0	12.7	13.2	14.4	13.2	12.1	12.1	11.5	11.0	11.0	10.4
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7.6	8.2	8.2	8.2	8.7	9.3	10.5	11.6	13.3	13.3	12.8	12.2	11.6	11.0	11.0	10.5	10.5
7.6	8.2	8.7	9.9	10.5	11.6	14.5	18.0	21.5	21.5	20.3	19.2	18.0	16.3	15.7	14.5	13.4
7.7	7.7	9.0	9.7	11.0	12.4	15.7	18.4	21.8	21.1	20.4	19.8	18.4	17.1	16.4	15.1	14.4

T=300	T=360	T=420	T=480	T=540	T=600	T=660	T=720	T=780	T=840	T=900	T=1020	T=1380
7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.0	7.0	7.0	7.0	7.6	7.0
7.0	7.6	7.6	7.0	7.0	7.0	7.0	6.4	7.0	6.4	7.0	6.4	7.0
7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.6	7.0
7.0	7.0	7.0	7.0	7.0	7.0	7.0	6.4	6.4	7.0	6.4	6.4	7.0
7.6	7.0	7.0	7.6	7.0	7.6	7.0	7.0	7.0	7.0	7.0	7.0	7.0
7.6	7.6	7.6	7.6	7.6	7.0	7.6	7.6	7.6	7.6	7.6	7.0	7.0
7.6	7.6	7.6	7.0	7.0	7.6	7.0	7.6	7.6	7.6	7.0	7.0	7.0
-2.9	-0.6	0.0	1.2	1.8	2.9	3.5	4.1	4.7	5.3	5.3	6.4	7.6
25.2	24.1	21.8	20.7	19.0	17.8	16.7	15.6	13.8	13.3	12.1	10.4	7.0
14.4	13.2	12.1	12.1	11.5	11.0	11.0	10.4	10.4	9.8	9.8	8.7	7.0
—	—	—	—	—	—	—	—	—	—	—	—	—
13.3	12.8	12.2	11.6	11.0	11.0	10.5	10.5	9.9	9.9	9.3	8.2	6.4
21.5	20.3	19.2	18.0	16.3	15.7	14.5	13.4	13.8	12.2	11.6	9.9	7.6
21.1	20.4	19.8	18.4	17.1	16.4	15.1	14.4	13.0	12.4	11.7	9.7	7.7

Table A11
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper P

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=1 LC=
1	21+17.8	-16.0	76.5	76.3	76.3	76.0	75.8	75.2	74.7	74.
1A	21+17.8	-16.0	76.5	76.5	76.2	76.0	76.3	75.7	75.5	74.
2	21+25.2	-16.0	76.5	76.6	76.8	76.9	75.6	74.9	75.0	74.
2A	21+25.2	-16.0	76.5	76.7	76.2	76.2	75.9	75.9	75.2	75.
3	21+22.9	-16.0	76.5	76.2	75.8	75.7	75.4	74.5	75.0	73.
3A	21+22.9	-16.0	76.5	76.2	77.0	75.8	76.0	75.1	74.8	74.
4	21+29.5	-16.0	76.5	76.6	76.0	76.0	74.6	73.4	72.5	71.
4A	21+29.5	-16.0	76.5	76.1	75.9	75.6	74.7	73.5	72.4	71.
5	21+39.4	-16.0	76.5	76.0	75.9	75.6	75.6	74.9	74.5	73.
5A	21+39.4	-16.0	76.5	76.2	76.7	76.1	75.5	74.8	74.2	73.
6	21+36.2	-16.0	76.5	76.0	75.7	75.4	74.8	74.1	73.2	72.
6A	21+36.2	-16.0	76.5	76.2	76.0	75.4	75.0	74.5	74.2	72.
7	21+42.5	-16.0	76.5	76.2	76.3	74.9	74.4	72.5	70.7	69.
7A	21+42.5	-16.0	76.5	76.8	75.6	75.3	73.6	71.9	70.4	68.
8	21+53.8	-16.0	76.5	76.1	75.7	75.4	74.7	73.7	72.6	71.
8A	21+53.8	-16.0	76.5	75.9	75.8	75.5	75.2	75.3	73.6	71.
9	21+49.7	-16.0	76.5	76.2	76.3	76.2	75.6	75.6	75.3	75.
9A	21+49.7	-16.0	76.5	75.8	75.6	74.9	74.1	73.2	72.0	71.
10	21+55.9	-16.0	76.5	76.0	75.1	74.6	73.0	71.1	69.3	67.
10A	21+55.9	-16.0	76.5	76.2	76.3	75.9	71.2	73.2	72.3	71.
11	21+70.0	-13.6	76.5	74.4	73.3	70.9	67.6	63.4	58.5	54.
12	21+85.0	-17.0	76.5	75.4	74.0	72.1	68.7	64.2	59.2	54.
13	21+91.0	-17.0	76.5	75.4	74.3	71.9	69.0	65.5	59.5	55.
13A	21+91.0	-17.0	76.5	75.5	74.5	72.7	69.3	64.9	59.8	54.
14	22+05.0	-17.0	76.5	75.1	74.1	71.5	68.1	63.0	57.9	53.
14A	22+05.0	-17.0	76.5	76.2	75.9	74.8	72.1	67.3	61.5	55.
15	22+52.1	-17.0	7.0	5.2	3.2	-3.2	-1.7	3.4	16.5	38.
15A	22+52.1	-17.0	7.0	9.9	5.1	-2.5	-2.4	0.8	9.4	28.
16	21+53.5	-17.0	7.0	4.2	3.1	-1.9	-3.2	3.8	16.6	38.
17	22+59.1	-16.9	7.0	7.8	5.1	1.3	0.3	3.6	19.7	39.

eading During Filling Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Spe

	Average Piezometer Readings, Prototype Feet of Water										
15 =7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=105 LC=16.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9
.3	76.3	76.0	75.8	75.2	74.7	74.3	73.9	74.3	74.6	75.6	75.4
.5	76.2	76.0	76.3	75.7	75.5	74.2	74.0	74.2	74.3	75.5	75.3
.6	76.8	76.9	75.6	74.9	75.0	74.4	74.2	75.3	74.6	75.2	75.5
.7	76.2	76.2	75.9	75.9	75.2	75.4	75.3	75.4	75.5	75.8	75.8
.2	75.8	75.7	75.4	74.5	75.0	73.8	74.1	74.1	74.2	74.7	75.4
.2	77.0	75.8	76.0	75.1	74.8	74.4	74.1	74.3	75.8	74.9	76.0
.6	76.0	76.0	74.6	73.4	72.5	71.5	71.0	71.5	72.0	73.0	74.4
.1	75.9	75.6	74.7	73.5	72.4	71.3	70.6	71.0	71.6	73.6	73.6
.0	75.9	75.6	75.6	74.9	74.5	73.2	72.9	73.5	73.5	74.9	75.0
.2	76.7	76.1	75.5	74.8	74.2	73.6	73.1	73.8	73.7	74.5	75.0
.0	75.7	75.4	74.8	74.1	73.2	72.5	72.3	72.6	73.0	73.8	74.3
.2	76.0	75.4	75.0	74.5	74.2	72.8	72.4	72.7	73.1	73.8	74.6
.2	76.3	74.9	74.4	72.5	70.7	69.0	68.2	69.1	70.4	71.8	73.3
.8	75.6	75.3	73.6	71.9	70.4	68.6	67.5	67.7	68.5	69.9	72.1
.1	75.7	75.4	74.7	73.7	72.6	71.4	71.3	71.6	72.1	73.6	73.8
.9	75.8	75.5	75.2	75.3	73.6	71.5	70.8	71.5	71.8	72.3	73.7
.2	76.3	76.2	75.6	75.6	75.3	75.0	74.6	76.0	74.7	74.5	74.5
.8	75.6	74.9	74.1	73.2	72.0	71.4	70.3	70.6	70.9	72.3	73.2
.0	75.1	74.6	73.0	71.1	69.3	67.6	67.2	67.4	68.6	70.3	72.1
.2	76.3	75.9	71.2	73.2	72.3	71.6	70.8	72.2	70.9	71.4	72.3
.4	73.3	70.9	67.6	63.4	58.5	54.2	51.7	54.2	56.1	60.9	64.8
.4	74.0	72.1	68.7	64.2	59.2	54.7	52.1	54.2	56.4	61.7	65.0
.4	74.3	71.9	69.0	65.5	59.5	55.3	52.8	54.9	57.4	62.6	65.2
.5	74.5	72.7	69.3	64.9	59.8	54.9	51.4	48.3	55.1	60.0	64.6
.1	74.1	71.5	68.1	63.0	57.9	53.5	50.1	52.5	55.0	59.7	63.7
.2	75.9	74.8	72.1	67.3	61.5	55.9	52.6	53.6	56.3	61.8	66.4
2	3.2	-3.2	-1.7	3.4	16.5	38.4	50.9	54.2	58.1	64.7	67.3
9	5.1	-2.5	-2.4	0.8	9.4	28.8	47.0	51.1	53.3	59.4	63.2
2	3.1	-1.9	-3.2	3.8	16.6	38.1	43.4	45.6	49.7	54.9	60.9
8	5.1	1.3	0.3	3.6	19.7	39.5	49.5	52.5	55.4	60.1	64.1

l El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2 Min (Constant Speed Gate), Normal Valve Operation

Average Piezometer Readings, Prototype Feet of Water

.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T=360 LC=57.7	T=420 LC=63.5	T=480 LC=68.3	T=540 LC=72.2	T=600 LC=75.0	T=660 LC=76.5
	73.9	74.3	74.6	75.6	75.4	75.6	76.1	76.3	76.3	76.5	76.5
	74.0	74.2	74.3	75.5	75.3	75.3	76.5	75.8	76.7	76.3	76.5
	74.2	75.3	74.6	75.2	75.5	75.7	76.6	76.2	76.3	76.4	76.5
	75.3	75.4	75.5	75.8	75.8	76.5	76.1	76.0	75.9	76.2	76.5
	74.1	74.1	74.2	74.7	75.4	75.6	75.8	75.8	76.0	76.2	76.5
	74.1	74.3	75.8	74.9	76.0	75.7	75.9	75.9	76.4	76.3	76.5
	71.0	71.5	72.0	73.0	74.4	74.5	75.1	76.1	76.2	76.3	76.5
	70.6	71.0	71.6	73.6	73.6	74.5	75.6	75.7	76.0	76.3	76.5
	72.9	73.5	73.5	74.9	75.0	75.2	75.9	75.8	76.7	76.3	76.5
	73.1	73.8	73.7	74.5	75.0	75.5	76.4	76.1	76.6	76.9	76.5
	72.3	72.6	73.0	73.8	74.3	75.4	75.2	75.5	75.7	75.8	76.5
	72.4	72.7	73.1	73.8	74.6	75.2	75.4	75.7	76.2	76.4	76.5
	68.2	69.1	70.4	71.8	73.3	74.5	74.8	75.6	76.1	76.5	76.5
	67.5	67.7	68.5	69.9	72.1	72.8	73.7	75.4	75.6	76.2	76.5
	71.3	71.6	72.1	73.6	73.8	74.7	76.0	75.8	76.3	76.5	76.5
	70.8	71.5	71.8	72.3	73.7	74.5	75.2	75.6	76.6	76.2	76.5
	74.6	76.0	74.7	74.5	74.5	75.0	75.8	75.6	77.1	76.8	76.5
	70.3	70.6	70.9	72.3	73.2	74.3	74.5	74.7	75.4	75.7	76.5
	67.2	67.4	68.6	70.3	72.1	73.0	74.1	75.0	75.6	76.7	76.5
	70.8	72.2	70.9	71.4	72.3	73.1	74.1	75.1	75.6	75.6	76.5
	51.7	54.2	56.1	60.9	64.8	68.0	71.1	73.4	74.6	76.0	76.5
	52.1	54.2	56.4	61.7	65.0	68.2	71.2	72.9	74.6	75.7	76.5
	52.8	54.9	57.4	62.6	65.2	68.6	71.2	73.1	72.9	76.0	76.5
	51.4	48.3	55.1	60.0	64.6	67.6	71.7	72.8	75.4	71.4	76.5
	50.1	52.5	55.0	59.7	63.7	67.1	69.2	71.5	72.9	73.7	76.5
	52.6	53.6	56.3	61.8	66.4	69.7	72.4	74.3	74.9	76.3	76.5
	50.9	54.2	58.1	64.7	67.3	67.8	69.9	72.2	74.3	75.8	76.5
	47.0	51.1	53.3	59.4	63.2	67.5	70.3	72.6	74.6	75.7	76.5
	43.4	45.6	49.7	54.9	60.9	65.2	68.8	71.6	74.4	75.9	76.5
	49.5	52.5	55.4	60.1	64.1	67.7	70.5	72.8	74.6	75.8	76.5

Table A11 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T L
18	22+62.6	-16.8	7.0	6.9	3.0	1.3	-1.4	5.8	23.4	4
19	22+69.1	-16.6	7.0	7.4	6.6	3.2	6.5	15.2	37.8	4
20	22+76.6	-16.5	7.0	10.3	10.7	7.7	17.0	20.1	33.9	4
21	22+90.6	-16.5	7.0	11.1	13.7	14.6	22.6	26.8	35.6	4
21A	22+90.6	-16.5	7.0	14.0	14.3	15.9	22.8	24.9	36.7	4
22	23+50.0	-16.5	7.0	11.3	14.6	18.5	25.7	31.1	38.3	4
23	24+50.0	-16.5	7.0	10.7	14.0	17.9	23.2	30.5	39.0	4
24	25+50.0	-16.5	7.0	10.4	12.8	16.1	20.9	26.9	34.1	3
24A	25+50.0	-16.5	7.0	10.7	12.4	15.1	20.4	25.7	31.9	3
25	26+04.3	-24.25	7.0	10.2	12.1	16.3	21.8	28.9	36.8	4
26	25+95.9	-24.25	7.0	9.5	10.9	13.4	16.8	21.0	25.3	2
27	26+09.2	-17.0	7.0	9.5	11.0	14.3	18.4	23.2	29.4	3
27A	26+09.2	-17.0	7.0	9.7	11.0	13.6	18.0	23.0	28.4	3
28	26+01.3	-20.1	7.0	8.7	9.1	9.6	9.9	10.6	10.8	1
29	26+12.4	-20.1	7.0	9.7	11.3	15.0	19.0	22.9	29.9	3
30	25+96.0	-20.1	7.0	9.0	9.7	10.0	10.8	10.8	11.6	1
31	26+04.5	-20.1	7.0	9.3	10.8	13.5	17.6	23.2	28.9	3
32	25+88.1	-20.1	7.0	8.6	9.0	9.1	9.8	10.6	11.2	1
33	25+92.6	-20.1	7.0	9.1	10.3	13.1	17.2	22.3	27.4	3
34	26+01.3	-28.4	7.0	8.4	9.3	9.9	11.5	12.1	13.7	1
35	26+12.4	-28.4	7.0	8.8	10.5	12.8	17.1	22.0	27.7	3
36	25+96.0	-28.4	7.0	8.0	8.6	9.2	10.3	11.2	12.8	1
37	26+04.1	-28.4	7.0	8.8	10.5	12.6	17.6	23.4	30.2	3
38	25+88.1	-28.4	7.0	8.7	9.4	10.1	11.7	12.9	13.9	1
39	25+92.6	-28.4	7.0	7.4	8.7	10.1	13.5	18.4	24.1	2
40	25+75.0	-24.1	7.0	8.5	9.9	11.7	14.4	18.1	21.8	2
41	25+75.0	-24.1	7.0	8.5	9.8	11.1	14.1	17.1	21.4	2
42	25+70.0	-24.0	7.0	8.1	9.0	10.3	12.1	15.1	18.2	2
43	25+70.0	-24.0	7.0	8.3	9.2	10.0	11.8	14.4	16.8	1
44	25+65.0	-23.1	7.0	8.0	8.6	9.2	10.1	10.9	11.9	1
45	25+65.0	-23.1	7.0	8.5	8.8	9.2	9.6	10.4	12.0	1

	Average Piezometer Readings, Prototype Feet of Water										
5 7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=105 LC=16.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9
	3.0	1.3	-1.4	5.8	23.4	40.3	50.5	53.3	56.2	61.0	65.2
	6.6	3.2	6.5	15.2	37.8	45.4	49.3	51.7	55.1	60.1	64.2
3	10.7	7.7	17.0	20.1	33.9	49.8	53.0	56.6	60.2	66.3	71.3
	13.7	14.6	22.6	26.8	35.6	45.4	48.6	51.5	54.4	59.8	64.0
0	14.3	15.9	22.8	24.9	36.7	41.0	46.6	50.5	53.2	58.8	63.2
3	14.6	18.5	25.7	31.1	38.3	43.4	47.5	50.4	53.4	58.7	63.3
7	14.0	17.9	23.2	30.5	39.0	42.6	44.4	48.5	51.7	57.7	62.3
4	12.8	16.1	20.9	26.9	34.1	39.6	43.7	47.2	51.1	57.0	61.9
7	12.4	15.1	20.4	25.7	31.9	37.8	42.6	46.5	49.8	56.1	61.4
2	12.1	16.3	21.8	28.9	36.8	43.2	48.9	51.5	54.9	59.9	64.1
	10.9	13.4	16.8	21.0	25.3	29.1	32.5	36.5	42.0	49.9	56.3
	11.0	14.3	18.4	23.2	29.4	35.5	38.4	43.2	46.4	53.1	58.9
	11.0	13.6	18.0	23.0	28.4	33.8	38.1	42.1	45.3	53.2	59.1
	9.1	9.6	9.9	10.6	10.8	11.9	13.6	19.4	25.6	37.3	47.5
	11.3	15.0	19.0	22.9	29.9	33.0	37.0	41.9	45.6	52.8	58.9
	9.7	10.0	10.8	10.8	11.6	12.5	14.8	21.0	27.4	41.0	53.3
	10.8	13.5	17.6	23.2	28.9	34.0	38.4	42.6	45.8	52.0	57.9
	9.0	9.1	9.8	10.6	11.2	12.4	14.2	20.8	27.6	41.5	47.2
	10.3	13.1	17.2	22.3	27.4	32.7	37.4	43.5	48.7	58.4	59.0
	9.3	9.9	11.5	12.1	13.7	13.6	14.3	19.8	25.9	38.2	48.4
	10.5	12.8	17.1	22.0	27.7	33.0	37.9	42.8	46.6	53.7	59.6
	8.6	9.2	10.3	11.2	12.8	13.6	15.2	19.3	25.0	33.2	47.0
	10.5	12.6	17.6	23.4	30.2	36.2	40.1	45.3	49.8	57.0	62.0
	9.4	10.1	11.7	12.9	13.9	14.4	15.7	21.2	28.8	44.0	48.3
	8.7	10.1	13.5	18.4	24.1	29.4	34.6	39.8	43.8	51.0	57.7
	9.9	11.7	14.4	18.1	21.8	25.9	29.6	35.0	40.5	50.5	59.4
	9.8	11.1	14.1	17.1	21.4	23.3	28.2	32.7	38.6	46.6	53.9
	9.0	10.3	12.1	15.1	18.2	21.0	24.3	30.4	34.9	44.7	52.4
	9.2	10.0	11.8	14.4	16.8	19.3	22.4	28.6	33.5	43.8	52.2
0	8.6	9.2	10.1	10.9	11.9	13.5	15.7	21.9	27.9	38.8	48.1
5	8.8	9.2	9.6	10.4	12.0	13.2	15.2	21.4	27.9	40.6	50.1

verage Piezometer Readings, Prototype Feet of Water

4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T=360 LC=57.7	T=420 LC=63.5	T=480 LC=68.3	T=540 LC=72.2	T=600 LC=75.0	T=660 LC=76.5
	50.5	53.3	56.2	61.0	65.2	68.1	70.9	73.0	74.7	75.9	76.5
	49.3	51.7	55.1	60.1	64.2	67.8	70.7	72.9	74.5	76.0	76.5
	53.0	56.6	60.2	66.3	71.3	72.3	72.8	73.5	74.2	75.4	76.5
	48.6	51.5	54.4	59.8	64.0	67.8	70.4	72.8	74.5	75.6	76.5
	46.6	50.5	53.2	58.8	63.2	67.3	70.1	72.6	74.3	75.9	76.5
	47.5	50.4	53.4	58.7	63.3	66.9	69.9	72.2	74.3	75.3	76.5
	44.4	48.5	51.7	57.7	62.3	66.4	70.0	72.3	74.5	75.7	76.5
	43.7	47.2	51.1	57.0	61.9	66.2	69.5	72.4	74.3	75.9	76.5
	42.6	46.5	49.8	56.1	61.4	65.5	69.1	71.8	73.8	75.4	76.5
	48.9	51.5	54.9	59.9	64.1	67.5	70.6	72.9	74.4	75.7	76.5
	32.5	36.5	42.0	49.9	56.3	61.8	66.7	70.5	73.3	75.1	76.5
	38.4	43.2	46.4	53.1	58.9	64.8	68.3	71.5	73.9	75.6	76.5
	38.1	42.1	45.3	53.2	59.1	64.0	67.9	71.3	74.2	75.7	76.5
	13.6	19.4	25.6	37.3	47.5	55.6	62.5	67.9	72.1	74.8	76.5
	37.0	41.9	45.6	52.8	58.9	63.6	67.5	71.0	73.3	75.3	76.5
	14.8	21.0	27.4	41.0	53.3	57.3	59.9	67.4	71.8	74.7	76.5
	38.4	42.6	45.8	52.0	57.9	62.8	66.8	70.5	72.9	75.3	76.5
	14.2	20.8	27.6	41.5	47.2	54.0	61.3	67.2	71.6	74.5	76.5
	37.4	43.5	48.7	58.4	59.0	62.3	66.6	70.5	73.2	75.1	76.5
	14.3	19.8	25.9	38.2	48.4	56.8	63.3	68.3	72.1	75.0	76.5
	37.9	42.8	46.6	53.7	59.6	64.7	68.4	71.3	73.8	75.6	76.5
	15.2	19.3	25.0	33.2	47.0	58.6	64.6	70.0	73.7	75.6	76.5
	40.1	45.3	49.8	57.0	62.0	65.9	68.6	71.2	73.4	75.5	76.5
	15.7	21.2	28.8	44.0	48.3	54.5	61.5	67.0	71.4	74.7	76.5
	34.6	39.8	43.8	51.0	57.7	63.2	67.6	71.2	73.8	75.5	76.5
	29.6	35.0	40.5	50.5	59.4	65.5	67.7	70.6	73.0	74.9	76.5
	28.2	32.7	38.6	46.6	53.9	60.5	65.8	69.6	72.7	75.3	76.5
	24.3	30.4	34.9	44.7	52.4	58.6	64.4	68.5	72.0	74.6	76.5
	22.4	28.6	33.5	43.8	52.2	58.9	64.7	69.4	72.5	75.0	76.5
	15.7	21.9	27.9	38.8	48.1	56.1	63.2	68.1	72.2	74.8	76.5
	15.2	21.4	27.9	40.6	50.1	57.6	61.2	66.9	71.2	74.4	76.5

Table A11 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T= LC
46	25+65.0	-23.1	7.0	8.5	10.6	14.1	19.7	27.4	40.1	4(
47	25+60.0	-22.7	7.0	8.3	8.8	9.8	11.3	13.6	15.7	17
48	25+60.0	-22.7	7.0	8.3	9.0	9.7	11.5	13.5	15.3	1(
49	25+60.0	-22.7	7.0	8.4	9.1	10.3	11.0	12.4	15.1	1(
50	25+60.0	-22.7	7.0	8.3	8.9	9.6	10.6	11.6	13.1	1(
51	25+50.0	-22.1	7.0	8.1	8.8	10.2	12.3	15.4	18.7	2(
52	25+50.0	-22.1	7.0	7.4	8.3	9.3	11.7	14.3	17.3	2(
53	25+50.0	-22.1	7.0	8.4	9.2	10.7	12.9	15.4	18.5	2(
54	25+50.0	-22.1	7.0	8.3	9.5	10.7	12.2	15.1	18.1	2(
55	25+40.0	-21.5	7.0	7.8	9.0	10.7	13.4	16.4	20.8	2(
56	25+40.0	-21.5	7.0	7.4	8.6	9.5	11.9	13.7	17.5	2(
57	25+40.0	-21.5	7.0	7.8	9.2	10.3	12.2	15.4	18.5	2(
58	25+40.0	-21.5	7.0	7.3	8.8	10.1	12.4	15.4	19.1	2(
59	25+30.0	-20.9	7.0	7.8	9.1	10.6	13.4	18.0	22.9	2(
60	25+30.0	-20.9	7.0	7.8	8.7	9.9	11.5	13.9	17.0	2(
61	25+30.0	-20.9	7.0	7.7	8.7	9.8	11.5	13.7	16.9	1(
62	25+30.0	-20.9	7.0	7.5	8.8	10.3	13.5	16.8	21.3	2(
63	25+25.0	-20.9	7.0	7.6	9.0	11.1	14.9	19.8	26.4	3(
64	25+25.0	-20.6	7.0	7.4	8.1	8.3	9.3	10.9	12.7	1(
65	25+25.0	-20.6	7.0	7.4	8.3	8.5	9.7	11.0	12.3	1(
66	25+25.0	-20.6	7.0	7.7	9.2	11.2	14.6	19.2	24.0	2(
68	25+23.0	-20.6	7.0	7.3	7.6	8.6	9.7	11.7	13.7	1(
69	25+23.0	-20.6	7.0	7.5	8.2	8.9	10.3	12.1	14.0	1(
70	25+23.0	-20.6	7.0	7.6	9.2	11.2	13.9	18.3	22.7	2(
71	25+10.2	-24.25	7.0	7.2	8.5	10.0	12.7	16.3	20.3	2(
71A	25+10.2	-24.25	7.0	7.8	8.7	10.2	13.2	16.6	20.6	2(
72	25+00.2	-24.25	7.0	7.4	9.1	10.8	14.3	18.5	23.9	2(
73	24+90.2	-24.25	7.0	7.1	9.0	11.4	15.6	20.8	26.8	3(
74	24+80.2	-24.25	7.0	7.3	9.2	11.5	15.8	21.1	27.7	3(
75	24+70.2	-24.25	7.0	7.6	9.1	11.8	16.1	21.7	28.7	3(
76	24+60.2	-24.25	7.0	7.1	9.3	11.5	16.3	22.2	29.3	3(

Average Piezometer Readings, Prototype Feet of Water

1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=105 LC=16.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T= L(
	10.6	14.1	19.7	27.4	40.1	46.6	58.5	56.7	60.9	62.7	66.3	6
	8.8	9.8	11.3	13.6	15.7	17.2	20.3	25.6	31.2	42.2	50.7	5
	9.0	9.7	11.5	13.5	15.3	18.0	20.7	26.3	31.0	43.2	52.4	5
	9.1	10.3	11.0	12.4	15.1	15.4	18.4	23.4	29.0	40.5	50.1	5
	8.9	9.6	10.6	11.6	13.1	14.1	15.9	21.9	26.6	39.1	48.5	5
	8.8	10.2	12.3	15.4	18.7	21.1	24.2	30.9	35.0	45.0	52.9	5
	8.3	9.3	11.7	14.3	17.3	20.4	22.9	28.7	33.5	43.2	51.7	5
	9.2	10.7	12.9	15.4	18.5	21.6	24.4	30.8	36.4	45.6	50.3	5
	9.5	10.7	12.2	15.1	18.1	20.8	24.1	29.5	34.6	44.5	52.8	5
	9.0	10.7	13.4	16.4	20.8	25.1	27.2	32.9	38.9	47.1	54.3	6
	8.6	9.5	11.9	13.7	17.5	20.5	23.8	29.1	33.9	44.5	51.9	5
	9.2	10.3	12.2	15.4	18.5	21.5	25.1	31.4	36.1	44.6	53.1	5
	8.8	10.1	12.4	15.4	19.1	22.4	26.2	32.0	37.4	46.2	53.8	60
	9.1	10.6	13.4	18.0	22.9	27.1	31.1	36.3	41.1	49.6	55.7	62
	8.7	9.9	11.5	13.9	17.0	20.1	22.7	28.2	34.1	43.8	51.8	59
	8.7	9.8	11.5	13.7	16.9	19.1	23.0	29.0	34.3	43.6	52.1	59
	8.8	10.3	13.5	16.8	21.3	24.8	28.8	35.1	39.3	47.8	55.2	61
	9.0	11.1	14.9	19.8	26.4	30.6	36.8	39.7	43.6	51.0	57.9	62
	8.1	8.3	9.3	10.9	12.7	14.9	17.6	23.4	29.5	39.8	49.1	56
	8.3	8.5	9.7	11.0	12.3	13.3	16.2	22.4	28.6	39.4	49.7	57
	9.2	11.2	14.6	19.2	24.0	29.3	33.8	39.9	43.7	50.9	57.4	62
	7.6	8.6	9.7	11.7	13.7	16.3	19.9	25.5	31.2	41.2	50.3	57
	8.2	8.9	10.3	12.1	14.0	16.1	19.2	24.4	30.4	41.0	49.8	57
	9.2	11.2	13.9	18.3	22.7	27.6	31.6	37.2	42.1	49.6	56.5	62
	8.5	10.0	12.7	16.3	20.3	25.3	30.2	38.0	39.9	44.8	52.6	59
	8.7	10.2	13.2	16.6	20.6	26.0	31.0	34.5	36.5	45.7	53.6	59
	9.1	10.8	14.3	18.5	23.9	28.1	32.5	37.7	42.2	49.6	56.7	62
	9.0	11.4	15.6	20.8	26.8	32.7	37.9	43.6	47.7	56.0	66.7	66
	9.2	11.5	15.8	21.1	27.7	33.2	38.9	43.8	47.7	54.0	60.1	64
	9.1	11.8	16.1	21.7	28.7	34.9	40.3	45.8	49.0	55.3	60.4	64
	9.3	11.5	16.3	22.2	29.3	35.9	41.7	47.6	50.7	56.4	61.4	65

verage Piezometer Readings, Prototype Feet of Water

4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T=360 LC=57.7	T=420 LC=63.5	T=480 LC=68.3	T=540 LC=72.2	T=600 LC=75.0	T=660 LC=76.5
	58.5	56.7	60.9	62.7	66.3	68.8	70.4	72.7	74.8	75.8	76.5
	20.3	25.6	31.2	42.2	50.7	58.0	64.4	69.2	72.3	74.7	76.5
	20.7	26.3	31.0	43.2	52.4	59.0	65.3	69.4	72.6	75.2	76.5
	18.4	23.4	29.0	40.5	50.1	56.8	63.4	68.6	72.2	74.8	76.5
	15.9	21.9	26.6	39.1	48.5	56.6	63.3	68.3	72.3	74.9	76.5
	24.2	30.9	35.0	45.0	52.9	59.5	64.7	69.5	72.6	74.9	76.5
	22.9	28.7	33.5	43.2	51.7	58.7	64.7	69.3	72.7	75.3	76.5
	24.4	30.8	36.4	45.6	50.3	57.6	63.5	68.5	72.3	74.5	76.5
	24.1	29.5	34.6	44.5	52.8	59.1	64.8	69.3	72.5	75.2	76.5
	27.2	32.9	38.9	47.1	54.3	60.9	65.9	69.8	73.0	75.1	76.5
	23.8	29.1	33.9	44.5	51.9	59.0	64.7	69.4	72.8	75.2	76.5
	25.1	31.4	36.1	44.6	53.1	59.5	65.0	69.6	72.9	74.9	76.5
	26.2	32.0	37.4	46.2	53.8	60.9	66.7	71.1	74.1	75.3	76.5
	31.1	36.3	41.1	49.6	55.7	62.4	66.7	70.5	73.3	75.6	76.5
	22.7	28.2	34.1	43.8	51.8	59.0	64.9	69.2	72.6	75.0	76.5
	23.0	29.0	34.3	43.6	52.1	59.0	64.9	69.4	72.8	75.2	76.5
	28.8	35.1	39.3	47.8	55.2	61.1	66.1	70.3	73.2	75.2	76.5
	36.8	39.7	43.6	51.0	57.9	62.9	67.6	70.7	73.5	75.2	76.5
	17.6	23.4	29.5	39.8	49.1	56.6	63.1	68.2	72.1	74.9	76.5
	16.2	22.4	28.6	39.4	49.7	57.7	64.2	68.7	72.2	74.9	76.5
	33.8	39.9	43.7	50.9	57.4	62.7	67.1	70.5	73.5	75.4	76.5
	19.9	25.5	31.2	41.2	50.3	57.5	63.8	68.6	72.2	74.7	76.5
	19.2	24.4	30.4	41.0	49.8	57.3	63.6	68.5	72.3	74.7	76.5
	31.6	37.2	42.1	49.6	56.5	62.1	67.1	70.4	73.4	75.5	76.5
	30.2	38.0	39.9	44.8	52.6	59.0	64.9	69.2	72.5	75.0	76.5
	31.0	34.5	36.5	45.7	53.6	59.8	65.5	69.5	72.8	75.0	76.5
	32.5	37.7	42.2	49.6	56.7	62.2	67.2	70.6	73.3	75.3	76.5
	37.9	43.6	47.7	56.0	66.7	66.7	68.7	70.9	73.5	75.4	76.5
	38.9	43.8	47.7	54.0	60.1	64.6	68.3	71.5	73.6	75.6	76.5
	40.3	45.8	49.0	55.3	60.4	64.9	68.5	71.5	73.7	75.1	76.5
	41.7	47.6	50.7	56.4	61.4	65.8	69.2	72.1	74.1	75.8	76.5

Table A11 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T: L(
77	24+50.2	-24.25	7.0	6.8	8.3	11.5	16.5	22.8	30.6	3
78	24+40.2	-24.25	7.0	6.8	8.9	12.0	17.1	23.8	31.4	3
79	24+30.2	-24.25	7.0	7.0	8.5	11.5	16.7	23.7	31.5	3
79A	24+30.2	-24.25	7.0	7.0	8.5	11.7	16.4	23.8	31.5	3
80	26+17.0	-28.4	7.0	8.5	9.6	9.8	10.9	13.1	12.2	1
81	26+06.0	-28.4	7.0	8.6	10.6	12.9	17.4	24.0	27.4	3
82	26+22.4	-28.4	7.0	8.2	9.3	10.3	10.1	13.2	12.4	1
83	26+13.9	-28.4	7.0	8.3	10.6	13.0	15.7	22.7	25.5	3
84	26+30.3	-28.4	7.0	8.3	9.6	9.6	10.2	12.3	11.5	1
85	26+25.7	-28.4	7.0	8.3	10.6	12.1	15.7	21.2	25.8	3
86	26+17.0	-20.1	7.0	8.2	9.3	9.3	9.9	9.9	9.7	1
87	26+06.0	-20.1	7.0	8.1	10.4	12.2	16.7	21.6	26.4	3
88	26+22.4	-20.1	7.0	8.5	9.6	9.8	10.8	10.8	10.6	1
89	26+13.9	-20.1	7.0	7.4	10.0	11.5	16.1	21.7	26.6	3
90	26+30.3	-20.1	7.0	8.3	9.5	9.7	10.4	10.4	11.3	1
91	26+25.7	-20.1	7.0	7.9	10.4	12.1	17.0	21.7	27.2	3
92	26+43.3	-24.1	7.0	7.2	9.4	10.5	14.6	18.7	22.3	2
93	26+43.3	-24.1	7.0	8.1	10.0	10.7	14.6	18.3	21.8	2
94	26+48.3	-24.0	7.0	7.6	9.8	10.2	11.7	14.7	16.8	2
95	26+48.3	-24.0	7.0	7.9	9.6	10.0	12.3	14.9	18.9	2
96	26+53.3	-23.1	7.0	8.1	8.8	9.0	10.7	10.9	12.0	1
97	26+53.3	-23.1	7.0	8.1	8.7	8.5	8.7	8.1	10.0	1
98	26+53.3	-23.1	7.0	8.1	10.3	13.9	16.5	28.7	39.3	4
99	26+58.3	-22.7	7.0	7.7	9.2	10.5	12.4	14.1	15.6	1
100	26+58.3	-22.7	7.0	8.3	9.0	10.1	11.8	13.2	15.8	1
101	26+58.3	-22.7	7.0	7.5	8.7	9.1	10.8	12.4	14.6	1
102	26+58.3	-22.7	7.0	7.7	8.8	9.5	11.3	12.2	14.9	1
103	26+68.3	-22.1	7.0	7.4	8.8	9.5	11.7	15.0	17.0	1
104	26+68.3	-22.1	7.0	7.4	9.1	9.8	12.3	15.1	17.5	1
105	26+68.3	-22.1	7.0	7.6	8.7	10.1	11.6	14.1	17.5	2
106	26+68.3	-22.1	7.0	8.1	9.4	11.4	13.3	15.9	19.2	2

Average Piezometer Readings, Prototype Feet of Water

1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=105 LC=16.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T L
	8.3	11.5	16.5	22.8	30.6	37.5	42.1	48.4	50.7	57.9	62.0	6
	8.9	12.0	17.1	23.8	31.4	38.7	44.3	48.9	51.0	57.9	62.0	6
	8.5	11.5	16.7	23.7	31.5	39.7	43.6	49.4	52.7	56.6	61.1	6
	8.5	11.7	16.4	23.8	31.5	39.4	44.9	49.6	52.4	57.5	62.0	6
	9.6	9.8	10.9	13.1	12.2	12.2	15.0	23.2	28.0	39.9	49.9	5
	10.6	12.9	17.4	24.0	27.4	31.9	37.1	43.2	46.4	53.9	58.8	6
	9.3	10.3	10.1	13.2	12.4	13.0	15.9	24.1	27.6	39.5	50.5	5
	10.6	13.0	15.7	22.7	25.5	31.9	36.8	42.3	45.5	52.3	59.3	6
	9.6	9.6	10.2	12.3	11.5	13.4	16.2	23.5	27.7	39.5	49.6	5
	10.6	12.1	15.7	21.2	25.8	31.1	35.5	41.9	44.2	51.2	58.3	6
	9.3	9.3	9.9	9.9	9.7	11.9	13.8	20.1	26.5	37.1	47.0	5
	10.4	12.2	16.7	21.6	26.4	33.5	36.9	43.4	47.7	52.4	58.4	6
	9.6	9.8	10.8	10.8	10.6	11.7	14.2	19.6	26.2	37.7	47.1	5
	10.0	11.5	16.1	21.7	26.6	32.1	37.6	42.3	45.9	52.9	58.2	6
	9.5	9.7	10.4	10.4	11.3	12.4	13.7	18.7	26.5	38.4	47.4	5
	10.4	12.1	17.0	21.7	27.2	32.5	37.0	41.4	47.0	53.5	57.6	6
	9.4	10.5	14.6	18.7	22.3	25.3	29.4	36.8	40.5	48.9	56.9	6
	10.0	10.7	14.6	18.3	21.8	24.2	32.0	36.1	39.4	47.6	54.8	6
	9.8	10.2	11.7	14.7	16.8	20.2	22.8	29.0	34.3	44.1	52.2	5
	9.6	10.0	12.3	14.9	18.9	21.0	24.9	30.4	34.6	45.0	52.5	5
	8.8	9.0	10.7	10.9	12.0	12.0	14.7	20.8	27.0	37.7	48.0	5
	8.7	8.5	8.7	8.1	10.0	10.0	10.2	17.0	23.2	35.8	46.7	5
	10.3	13.9	16.5	28.7	39.3	46.4	51.0	52.4	58.1	63.7	67.9	6
	9.2	10.5	12.4	14.1	15.6	16.9	21.0	27.7	35.1	46.7	58.5	6
	9.0	10.1	11.8	13.2	15.8	16.9	20.7	24.3	30.4	41.6	50.7	5
	8.7	9.1	10.8	12.4	14.6	18.1	18.8	24.7	29.5	41.3	49.3	5
	8.8	9.5	11.3	12.2	14.9	17.4	18.8	25.1	29.6	41.6	50.2	5
	8.8	9.5	11.7	15.0	17.0	18.4	23.5	29.5	34.4	44.9	54.7	5
	9.1	9.8	12.3	15.1	17.5	19.4	22.6	30.3	35.2	44.2	52.8	5
	8.7	10.1	11.6	14.1	17.5	20.0	22.1	27.4	32.0	42.9	50.5	5
	9.4	11.4	13.3	15.9	19.2	23.1	26.2	31.4	36.6	47.1	53.2	5

verage Piezometer Readings, Prototype Feet of Water

4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T=360 LC=57.7	T=420 LC=63.5	T=480 LC=68.3	T=540 LC=72.2	T=600 LC=75.0	T=660 LC=76.5
	42.1	48.4	50.7	57.9	62.0	66.1	69.4	72.2	74.1	75.9	76.5
	44.3	48.9	51.0	57.9	62.0	66.8	69.8	72.6	74.1	75.4	76.5
	43.6	49.4	52.7	56.6	61.1	65.7	69.4	71.3	73.9	75.0	76.5
	44.9	49.6	52.4	57.5	62.0	65.8	69.3	72.0	73.3	75.2	76.5
	15.0	23.2	28.0	39.9	49.9	57.2	63.9	69.1	73.0	75.4	76.5
	37.1	43.2	46.4	53.9	58.8	63.1	67.7	70.8	73.6	75.4	76.5
	15.9	24.1	27.6	39.5	50.5	56.9	63.4	68.8	72.3	75.0	76.5
	36.8	42.3	45.5	52.3	59.3	63.3	67.8	71.2	74.2	75.4	76.5
	16.2	23.5	27.7	39.5	49.6	57.0	63.5	68.6	72.2	75.0	76.5
	35.5	41.9	44.2	51.2	58.3	63.4	67.6	70.8	73.8	75.0	76.5
	13.8	20.1	26.5	37.1	47.0	55.2	63.2	68.1	72.4	75.1	76.5
	36.9	43.4	47.7	52.4	58.4	63.2	68.3	71.1	73.5	75.2	76.5
	14.2	19.6	26.2	37.7	47.1	55.2	62.9	68.0	72.0	74.8	76.5
	37.6	42.3	45.9	52.9	58.2	63.7	68.0	71.2	73.3	75.2	76.5
	13.7	18.7	26.5	38.4	47.4	55.2	62.4	67.8	72.0	74.7	76.5
	37.0	41.4	47.0	53.5	57.6	63.7	68.8	71.2	73.7	75.4	76.5
	29.4	36.8	40.5	48.9	56.9	62.0	66.8	70.5	73.3	75.2	76.5
	32.0	36.1	39.4	47.6	54.8	60.6	66.1	69.8	73.0	75.2	76.5
	22.8	29.0	34.3	44.1	52.2	59.0	65.0	69.3	72.7	75.0	76.5
	24.9	30.4	34.6	45.0	52.5	59.3	64.6	69.3	72.9	75.4	76.5
	14.7	20.8	27.0	37.7	48.0	55.9	63.1	68.2	72.3	75.2	76.5
	10.2	17.0	23.2	35.8	46.7	55.0	61.6	67.1	72.0	74.4	76.5
	51.0	52.4	58.1	63.7	67.9	69.4	73.0	75.0	75.4	76.3	76.5
	21.0	27.7	35.1	46.7	58.5	67.4	74.0	75.5	76.3	76.7	76.5
	20.7	24.3	30.4	41.6	50.7	57.9	64.0	68.8	72.6	74.9	76.5
	18.8	24.7	29.5	41.3	49.3	57.8	64.0	68.7	73.2	75.1	76.5
	18.8	25.1	29.6	41.6	50.2	58.6	64.5	69.0	73.1	75.4	76.5
	23.5	29.5	34.4	44.9	54.7	59.1	63.4	68.5	72.0	74.7	76.5
	22.6	30.3	35.2	44.2	52.8	59.4	65.2	69.4	72.9	75.2	76.5
	22.1	27.4	32.0	42.9	50.5	58.4	64.3	68.1	71.7	74.2	76.5
	26.2	31.4	36.6	47.1	53.2	57.3	62.6	68.0	71.5	74.3	76.5

Table A11 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T L
107	26+78.3	-21.5	7.0	7.7	9.0	9.9	13.0	16.5	20.1	2
108	26+78.3	-21.5	7.0	7.2	8.5	9.8	11.8	15.3	18.3	2
109	26+78.3	-21.5	7.0	7.6	8.5	10.0	12.5	14.7	19.2	2
110	26+78.3	-21.5	7.0	8.2	9.2	10.7	12.6	15.5	18.9	2
111	26+88.3	-20.9	7.0	7.5	8.8	10.4	13.2	17.1	20.6	2
112	26+88.3	-20.9	7.0	7.8	8.6	9.7	11.5	13.8	16.1	1
113	26+88.3	-20.9	7.0	7.9	8.6	9.7	11.7	13.5	16.3	1
114	26+88.3	-20.9	7.0	7.8	9.0	11.1	14.3	18.0	22.5	2
115	26+93.3	-20.6	7.0	8.0	8.9	10.8	14.5	18.5	24.0	2
116	26+93.3	-20.6	7.0	7.6	8.0	8.7	10.4	11.2	13.4	1
117	26+93.3	-20.6	7.0	7.8	8.0	8.8	9.7	10.8	11.6	1
118	26+93.3	-20.6	7.0	8.0	9.0	11.1	14.6	18.8	23.7	2
119	26+95.3	-20.6	7.0	7.2	7.3	7.7	8.4	11.2	16.7	2
120	26+95.3	-20.6	7.0	7.7	8.2	9.2	11.1	12.7	14.7	1
121	26+95.3	-20.6	7.0	7.3	7.9	8.4	9.9	11.0	12.5	1
122	26+95.3	-20.6	7.0	7.5	8.9	10.6	14.1	18.3	22.7	2
123	27+08.1	-24.25	7.0	7.4	9.0	10.6	13.7	17.2	21.5	2
123A	27+08.1	-24.25	7.0	7.7	8.8	10.6	13.2	16.9	21.2	2
124	27+18.1	-24.25	7.0	7.5	8.8	10.7	14.0	17.7	22.9	2
125	27+28.1	-24.25	7.0	7.5	9.0	11.1	14.3	19.1	24.6	2
126	27+38.1	-24.25	7.0	7.1	8.7	10.6	14.7	19.7	26.0	3
127	27+48.1	-24.25	7.0	7.3	8.5	11.2	15.5	20.6	27.4	3
128	27+58.1	-24.25	7.0	7.2	8.9	11.4	15.9	21.8	28.7	3
129	27+68.1	-24.25	7.0	7.3	8.9	11.4	16.1	22.2	29.5	3
130	27+78.1	-24.25	7.0	7.3	8.6	11.5	16.2	22.7	30.1	3
131	27+88.1	-24.25	7.0	7.0	9.0	12.0	16.7	23.4	31.1	3
131A	27+88.1	-24.25	7.0	7.1	8.6	11.7	16.0	22.1	29.5	3
132	26+14.0	-24.25	7.0	10.0	11.8	16.2	21.9	28.1	34.8	4
133	26+22.5	-24.25	7.0	9.8	11.5	15.6	21.1	28.2	34.5	4
134	26+70.0	-17.0	7.0	10.2	12.2	16.3	21.5	28.5	36.2	4
134A	26+70.0	-17.0	7.0	8.3	9.1	10.0	15.4	22.9	30.8	3

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=105 LC=16.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T= LC
9.0	9.9	13.0	16.5	20.1	23.0	25.7	31.9	36.1	46.1	53.9	59
8.5	9.8	11.8	15.3	18.3	21.4	24.9	30.7	36.2	45.6	53.4	59
8.5	10.0	12.5	14.7	19.2	22.1	24.9	29.6	34.9	45.4	52.8	60
9.2	10.7	12.6	15.5	18.9	23.1	25.9	32.0	37.4	47.9	56.8	63
8.8	10.4	13.2	17.1	20.6	25.2	28.5	34.4	39.5	47.6	55.1	61
8.6	9.7	11.5	13.8	16.1	18.5	21.1	27.0	32.9	42.7	50.7	57
8.6	9.7	11.7	13.5	16.3	19.3	22.0	27.6	33.2	42.8	51.4	58
9.0	11.1	14.3	18.0	22.5	27.1	31.3	38.3	43.3	51.0	54.4	59
8.9	10.8	14.5	18.5	24.0	28.3	32.0	38.7	43.5	51.4	57.1	62
8.0	8.7	10.4	11.2	13.4	14.9	16.6	23.1	29.7	40.4	50.0	58
8.0	8.8	9.7	10.8	11.6	13.6	14.7	21.2	27.6	38.5	48.2	56
9.0	11.1	14.6	18.8	23.7	29.0	33.8	38.3	43.0	50.0	57.0	62
7.3	7.7	8.4	11.2	16.7	21.2	25.6	32.6	38.4	46.9	53.8	59
8.2	9.2	11.1	12.7	14.7	17.6	19.7	26.7	32.7	43.7	53.1	60
7.9	8.4	9.9	11.0	12.5	15.1	16.9	23.5	29.4	40.3	49.8	57
8.9	10.6	14.1	18.3	22.7	26.9	32.1	36.7	41.2	49.6	56.3	61
9.0	10.6	13.7	17.2	21.5	25.6	29.7	34.1	38.8	47.5	55.3	60
8.8	10.6	13.2	16.9	21.2	24.9	28.8	34.5	39.1	47.4	55.1	61
8.8	10.7	14.0	17.7	22.9	27.5	31.9	37.1	41.2	49.3	56.3	61
9.0	11.1	14.3	19.1	24.6	29.8	34.8	39.9	43.9	51.1	57.8	62
8.7	10.6	14.7	19.7	26.0	32.0	37.3	42.1	45.7	52.4	58.7	63
8.5	11.2	15.5	20.6	27.4	33.6	39.3	44.2	47.5	53.7	59.8	64
8.9	11.4	15.9	21.8	28.7	35.6	41.6	46.0	49.5	55.6	61.1	65
8.9	11.4	16.1	22.2	29.5	36.8	42.9	47.4	50.2	56.3	61.4	65
8.6	11.5	16.2	22.7	30.1	37.5	43.8	48.0	50.9	56.8	61.5	65
9.0	12.0	16.7	23.4	31.1	38.6	45.6	49.3	52.4	58.0	62.8	66
8.6	11.7	16.0	22.1	29.5	36.5	42.2	48.1	51.6	56.8	61.9	65
11.8	16.2	21.9	28.1	34.8	42.8	47.7	52.1	54.6	59.9	63.8	67
11.5	15.6	21.1	28.2	34.5	41.6	46.8	50.7	53.4	58.8	62.6	67
12.2	16.3	21.5	28.5	36.2	43.7	48.4	52.1	55.1	59.9	64.1	67
9.1	10.0	15.4	22.9	30.8	38.7	45.1	50.4	53.2	58.8	63.2	67

verage Piezometer Readings, Prototype Feet of Water

4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T=360 LC=57.7	T=420 LC=63.5	T=480 LC=68.3	T=540 LC=72.2	T=600 LC=75.0	T=660 LC=76.5
	25.7	31.9	36.1	46.1	53.9	59.6	64.7	69.6	72.5	75.4	76.5
	24.9	30.7	36.2	45.6	53.4	59.9	65.2	69.5	72.8	74.8	76.5
	24.9	29.6	34.9	45.4	52.8	60.1	65.6	69.9	73.3	75.4	76.5
	25.9	32.0	37.4	47.9	56.8	63.7	66.0	68.5	72.0	74.7	76.5
	28.5	34.4	39.5	47.6	55.1	61.0	65.6	69.6	72.7	75.0	76.5
	21.1	27.0	32.9	42.7	50.7	57.9	63.5	68.1	72.2	75.2	76.5
	22.0	27.6	33.2	42.8	51.4	58.5	64.5	69.2	72.6	75.1	76.5
	31.3	38.3	43.3	51.0	54.4	59.4	65.5	69.4	72.8	75.2	76.5
	32.0	38.7	43.5	51.4	57.1	62.2	66.8	70.2	73.2	75.1	76.5
	16.6	23.1	29.7	40.4	50.0	58.0	64.2	69.0	72.7	75.2	76.5
	14.7	21.2	27.6	38.5	48.2	56.2	62.3	67.8	71.9	74.7	76.5
	33.8	38.3	43.0	50.0	57.0	62.2	66.7	70.4	73.4	75.1	76.5
	25.6	32.6	38.4	46.9	53.8	59.9	64.9	69.4	72.7	75.0	76.5
	19.7	26.7	32.7	43.7	53.1	60.8	68.3	72.8	73.4	75.0	76.5
	16.9	23.5	29.4	40.3	49.8	57.8	63.2	67.7	71.6	74.9	76.5
	32.1	36.7	41.2	49.6	56.3	61.7	66.2	70.0	72.9	75.3	76.5
	29.7	34.1	38.8	47.5	55.3	60.9	65.8	70.0	73.3	75.2	76.5
	28.8	34.5	39.1	47.4	55.1	61.0	65.9	69.8	72.8	75.0	76.5
	31.9	37.1	41.2	49.3	56.3	61.7	66.4	70.2	73.0	75.0	76.5
	34.8	39.9	43.9	51.1	57.8	62.8	67.1	70.7	73.3	75.4	76.5
	37.3	42.1	45.7	52.4	58.7	63.7	67.8	71.1	73.5	75.4	76.5
	39.3	44.2	47.5	53.7	59.8	64.5	68.2	71.4	73.7	75.5	76.5
	41.6	46.0	49.5	55.6	61.1	65.2	69.1	72.0	74.0	75.8	76.5
	42.9	47.4	50.2	56.3	61.4	65.5	69.1	72.0	74.3	76.2	76.5
	43.8	48.0	50.9	56.8	61.5	65.4	69.3	71.6	74.0	75.5	76.5
	45.6	49.3	52.4	58.0	62.8	66.5	69.9	72.3	74.0	76.1	76.5
	42.2	48.1	51.6	56.8	61.9	65.8	69.4	71.9	73.9	75.8	76.5
	47.7	52.1	54.6	59.9	63.8	67.4	70.5	72.7	74.7	75.8	76.5
	46.8	50.7	53.4	58.8	62.6	67.3	69.9	72.6	74.2	75.7	76.5
	48.4	52.1	55.1	59.9	64.1	67.7	70.5	72.9	74.9	75.8	76.5
	45.1	50.4	53.2	58.8	63.2	67.0	70.0	72.4	74.1	75.7	76.5

Table A11 (Concluded)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T L
135	27+85.0	-17.0	7.0	11.1	11.6	16.7	22.3	29.7	37.7	4
135A	27+85.0	-17.0	7.0	9.2	11.2	14.3	20.2	26.7	34.3	4
136	28+60.0	-18.0	7.0	11.6	11.7	16.8	21.8	28.7	36.4	4
136A	28+60.0	-18.0	7.0	9.3	11.3	14.5	20.4	26.6	34.3	4
137	28+72.0	-18.0	7.0	12.3	11.9	17.0	22.1	29.4	36.8	4
137A	28+72.0	-18.0	7.0	9.4	11.2	14.4	20.1	26.8	34.0	4
161	22+57.6	-24.0	7.0	3.1	-1.0	-0.7	-0.7	1.9	15.6	3
162	22+57.6	-26.4	7.0	6.4	2.1	1.0	-0.6	6.2	19.3	4
163	22+60.6	-24.0	7.0	1.7	-0.5	-1.3	-3.2	6.2	18.5	4
164	22+60.6	-26.4	7.0	3.3	2.0	2.6	2.0	11.0	26.6	4

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.5	T=45 LC=8.2	T=60 LC=9.8	T=75 LC=11.2	T=90 LC=13.2	T=105 LC=16.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T= LC
11.6	16.7	22.3	29.7	37.7	44.9	50.4	54.1	56.9	61.8	65.5	68
11.2	14.3	20.2	26.7	34.3	41.2	47.0	51.6	54.6	59.6	63.9	67
11.7	16.8	21.8	28.7	36.4	43.2	48.9	51.7	54.9	59.8	64.2	67
11.3	14.5	20.4	26.6	34.3	41.3	46.9	51.6	54.5	59.7	63.8	67
11.9	17.0	22.1	29.4	36.8	43.7	49.3	52.4	55.5	60.2	64.6	67
11.2	14.4	20.1	26.8	34.0	41.1	46.8	51.6	54.2	59.4	63.7	67
-1.0	-0.7	-0.7	1.9	15.6	38.7	49.4	54.2	55.5	61.4	65.4	70
2.1	1.0	-0.6	6.2	19.3	40.0	50.0	51.7	54.0	60.9	62.8	68
-0.5	-1.3	-3.2	6.2	18.5	43.7	54.2	54.6	57.5	63.6	65.6	71
2.0	2.6	2.0	11.0	26.6	46.3	54.3	54.9	59.6	63.3	67.8	69

Average Piezometer Readings, Prototype Feet of Water

.4	T=120 LC=19.1	T=150 LC=25.2	T=180 LC=30.8	T=240 LC=41.2	T=300 LC=49.9	T=360 LC=57.7	T=420 LC=63.5	T=480 LC=68.3	T=540 LC=72.2	T=600 LC=75.0	T=660 LC=76.5
	50.4	54.1	56.9	61.8	65.5	68.7	71.0	73.2	74.7	75.7	76.5
	47.0	51.6	54.6	59.6	63.9	67.6	70.2	72.7	74.6	76.0	76.5
	48.9	51.7	54.9	59.8	64.2	67.5	70.4	72.7	74.6	75.7	76.5
	46.9	51.6	54.5	59.7	63.8	67.4	70.4	72.8	74.7	75.9	76.5
	49.3	52.4	55.5	60.2	64.6	67.8	70.6	72.9	74.8	75.7	76.5
	46.8	51.6	54.2	59.4	63.7	67.5	70.1	72.5	74.5	75.6	76.5
	49.4	54.2	55.5	61.4	65.4	70.8	73.4	76.1	74.9	77.8	76.5
	50.0	51.7	54.0	60.9	62.8	68.7	69.2	74.1	73.8	76.8	76.5
	54.2	54.6	57.5	63.6	65.6	71.6	72.0	75.2	75.0	75.9	76.5
	54.3	54.9	59.6	63.3	67.8	69.5	71.5	71.6	74.9	74.1	76.5

Table A12
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper Pool

Piezometer Location											Aver
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.
1	21+17.8	-16.0	76.5	76.2	76.9	76.2	76.2	76.2	75.9	75.5	75.5
1A	21+17.8	-16.0	76.5	76.7	76.6	76.3	76.2	76.2	75.9	76.5	76.2
2	21+25.2	-16.0	76.5	76.3	76.2	76.1	76.2	75.9	75.8	75.5	76.1
2A	21+25.2	-16.0	76.5	76.2	76.9	76.2	77.3	77.4	76.1	76.0	75.6
3	21+22.9	-16.0	76.5	76.5	75.7	75.7	75.6	75.5	75.3	75.0	74.9
3A	21+22.9	-16.0	76.5	76.2	75.5	75.4	75.3	75.8	75.7	75.0	75.3
4	21+29.5	-16.0	76.5	76.4	76.3	76.1	76.0	75.8	76.0	75.0	74.7
4A	21+29.5	-16.0	76.5	76.5	76.7	76.0	75.8	75.6	75.5	74.7	74.5
5	21+39.4	-16.0	76.5	76.4	76.0	76.1	75.9	76.0	75.7	75.8	75.7
5A	21+39.4	-16.0	76.5	76.7	76.3	76.4	76.1	75.9	75.9	75.4	75.8
6	21+36.2	-16.0	76.5	76.3	76.6	76.0	77.1	76.8	75.7	75.1	75.0
6A	21+36.2	-16.0	76.5	76.1	75.5	75.6	75.1	75.2	74.9	74.7	74.4
7	21+42.5	-16.0	76.5	75.7	75.7	75.6	75.4	75.4	74.4	73.8	73.9
7A	21+42.5	-16.0	76.5	76.4	76.3	76.2	75.6	75.4	75.5	74.3	73.5
8	21+53.8	-16.0	76.5	76.6	77.1	76.4	76.1	75.8	75.7	75.1	74.7
8A	21+53.8	-16.0	76.5	76.7	76.4	76.3	76.1	75.8	75.4	76.2	75.6
9	21+49.7	-16.0	76.5	76.6	76.2	76.1	76.1	75.5	75.3	74.9	74.5
9A	21+49.7	-16.0	76.5	76.2	77.1	76.2	77.1	76.1	75.1	74.7	74.0
10	21+55.9	-16.0	76.5	71.7	74.9	74.8	74.2	73.8	73.6	72.8	72.2
10A	21+55.9	-16.0	76.5	76.6	76.4	76.2	76.2	75.7	75.5	75.1	74.1
11	21+70.0	-13.6	76.5	76.2	76.0	75.6	74.9	73.9	72.4	70.8	69.3
12	21+85.0	-17.0	76.5	75.7	72.4	75.1	74.4	73.6	72.2	70.4	68.5
13	21+91.0	-17.0	76.5	76.1	76.0	75.4	74.5	73.8	72.5	71.2	69.6
13A	21+91.0	-17.0	76.5	76.4	75.9	75.7	74.8	73.6	72.1	70.5	68.1
14	22+05.0	-17.0	76.5	74.7	75.0	74.7	73.7	73.1	70.8	69.3	67.1
14A	22+05.0	-17.0	76.5	76.4	75.9	75.9	75.4	75.3	74.9	74.8	74.1
15	22+52.1	-17.0	7.0	9.1	4.9	2.0	0.6	-2.3	-3.6	-3.5	-2.6
15A	22+52.1	-17.0	7.0	7.1	7.4	3.4	2.6	1.4	-1.1	-1.8	-2.0
16	21+53.5	-17.0	7.0	9.4	4.2	2.1	-0.3	-2.4	-3.8	-4.3	-2.4
17	22+59.1	-16.9	7.0	9.6	5.8	3.1	1.0	0.2	-1.1	-1.1	-1.3

ing During Filling Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.3	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=4 LC=
76.9	76.2	76.2	76.2	75.9	75.5	75.5	75.0	75.1	74.2	75.6	75.1	75.5
76.6	76.3	76.2	76.2	75.9	76.5	76.2	75.1	74.6	74.3	75.0	75.1	75.7
76.2	76.1	76.2	75.9	75.8	75.5	76.1	75.1	75.5	74.9	75.1	75.5	75.7
76.9	76.2	77.3	77.4	76.1	76.0	75.6	75.6	75.7	75.4	75.9	76.5	76.0
75.7	75.7	75.6	75.5	75.3	75.0	74.9	74.5	74.0	73.8	74.5	74.9	75.5
75.5	75.4	75.3	75.8	75.7	75.0	75.3	74.6	73.9	73.6	74.4	74.7	75.0
76.3	76.1	76.0	75.8	76.0	75.0	74.7	74.2	72.6	72.0	72.8	74.5	74.5
76.7	76.0	75.8	75.6	75.5	74.7	74.5	73.3	73.1	71.7	73.4	73.8	75.1
76.0	76.1	75.9	76.0	75.7	75.8	75.7	74.6	74.2	74.1	74.5	75.0	75.2
76.3	76.4	76.1	75.9	75.9	75.4	75.8	74.5	74.6	73.7	74.3	74.8	75.3
76.6	76.0	77.1	76.8	75.7	75.1	75.0	74.2	73.6	73.5	73.9	75.2	75.1
75.5	75.6	75.1	75.2	74.9	74.7	74.4	73.4	72.8	72.8	73.5	74.0	74.9
75.7	75.6	75.4	75.4	74.4	73.8	73.9	71.8	70.4	69.2	70.8	72.3	73.2
76.3	76.2	75.6	75.4	75.5	74.3	73.5	72.6	70.3	69.1	70.8	72.7	73.4
77.1	76.4	76.1	75.8	75.7	75.1	74.7	73.7	73.3	72.5	74.1	74.1	75.3
76.4	76.3	76.1	75.8	75.4	76.2	75.6	73.6	72.5	71.8	73.5	73.9	74.5
76.2	76.1	76.1	75.5	75.3	74.9	74.5	73.5	74.6	72.4	73.1	74.2	74.8
77.1	76.2	77.1	76.1	75.1	74.7	74.0	72.9	72.0	71.4	72.3	73.7	74.5
74.9	74.8	74.2	73.8	73.6	72.8	72.2	70.2	69.0	68.4	69.6	71.2	72.0
76.4	76.2	76.2	75.7	75.5	75.1	74.1	73.0	71.6	70.9	72.2	73.7	74.9
76.0	75.6	74.9	73.9	72.4	70.8	69.3	65.0	60.6	57.7	61.8	65.9	69.0
72.4	75.1	74.4	73.6	72.2	70.4	68.5	64.4	60.9	57.3	61.7	65.3	69.1
76.0	75.4	74.5	73.8	72.5	71.2	69.6	64.6	60.8	58.2	62.5	66.0	68.8
75.9	75.7	74.8	73.6	72.1	70.5	68.1	63.4	58.4	55.8	60.3	64.3	68.1
75.0	74.7	73.7	73.1	70.8	69.3	67.1	62.8	58.2	54.9	59.9	64.1	67.7
75.9	75.9	75.4	75.3	74.9	74.8	74.1	70.0	64.1	60.2	65.4	70.3	73.2
4.9	2.0	0.6	-2.3	-3.6	-3.5	-2.6	5.4	19.3	55.0	60.8	65.4	68.1
7.4	3.4	2.6	1.4	-1.1	-1.8	-2.0	2.5	9.9	49.4	55.9	61.5	65.5
4.2	2.1	-0.3	-2.4	-3.8	-4.3	-2.4	6.0	18.3	49.4	55.2	60.3	64.8
5.8	3.1	1.0	0.2	-1.1	-1.1	-1.3	6.8	21.4	55.1	60.2	64.3	67.5

El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4 Min (Constant Speed Gate), Normal Valve Operation

ge Piezometer Readings, Prototype Feet of Water

	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=420 LC=57.2	T=480 LC=63.3	T=540 LC=68.3	T=600 LC=72.3	T=660 LC=74.8	T=720 LC=76.5
	75.0	75.1	74.2	75.6	75.1	75.5	75.7	76.0	76.1	76.3	76.5
	75.1	74.6	74.3	75.0	75.1	75.7	75.7	76.1	76.2	76.3	76.5
	75.1	75.5	74.9	75.1	75.5	75.7	76.0	76.4	76.9	77.1	76.5
	75.6	75.7	75.4	75.9	76.5	76.0	76.7	76.3	76.4	76.5	76.5
	74.5	74.0	73.8	74.5	74.9	75.5	75.3	75.3	75.6	75.8	76.5
	74.6	73.9	73.6	74.4	74.7	75.0	75.0	75.3	75.4	75.6	76.5
	74.2	72.6	72.0	72.8	74.5	74.5	75.5	75.5	75.9	76.6	76.5
	73.3	73.1	71.7	73.4	73.8	75.1	75.1	75.4	76.2	76.3	76.5
	74.6	74.2	74.1	74.5	75.0	75.2	75.6	76.0	76.0	76.5	76.5
	74.5	74.6	73.7	74.3	74.8	75.3	75.7	76.1	76.6	77.0	76.5
	74.2	73.6	73.5	73.9	75.2	75.1	76.0	76.3	76.2	76.6	76.5
	73.4	72.8	72.8	73.5	74.0	74.9	75.1	75.1	75.4	75.8	76.5
	71.8	70.4	69.2	70.8	72.3	73.2	74.1	74.8	75.6	75.9	76.5
	72.6	70.3	69.1	70.8	72.7	73.4	74.5	75.3	76.0	77.1	76.5
	73.7	73.3	72.5	74.1	74.1	75.3	75.2	75.7	76.2	76.5	76.5
	73.6	72.5	71.8	73.5	73.9	74.5	75.1	75.8	76.1	76.8	76.5
	73.5	74.6	72.4	73.1	74.2	74.8	75.4	75.8	76.1	76.3	76.5
	72.9	72.0	71.4	72.3	73.7	74.5	75.1	75.7	75.9	76.9	76.5
	70.2	69.0	68.4	69.6	71.2	72.0	73.5	74.5	75.1	75.4	76.5
	73.0	71.6	70.9	72.2	73.7	74.9	76.3	77.4	73.2	78.8	76.5
	65.0	60.6	57.7	61.8	65.9	69.0	72.0	73.6	75.0	76.0	76.5
	64.4	60.9	57.3	61.7	65.3	69.1	71.0	72.9	74.4	75.5	76.5
	64.6	60.8	58.2	62.5	66.0	68.8	71.5	73.3	74.7	76.1	76.5
	63.4	58.4	55.8	60.3	64.3	68.1	70.8	72.9	74.6	76.5	76.5
	62.8	58.2	54.9	59.9	64.1	67.7	70.6	72.7	74.5	76.3	76.5
	70.0	64.1	60.2	65.4	70.3	73.2	73.8	74.5	74.8	75.2	76.5
	5.4	19.3	55.0	60.8	65.4	68.1	70.3	72.4	74.2	75.9	76.5
	2.5	9.9	49.4	55.9	61.5	65.5	68.9	72.0	74.0	75.5	76.5
	6.0	18.3	49.4	55.2	60.3	64.8	68.4	71.1	73.7	75.2	76.5
	6.8	21.4	55.1	60.2	64.3	67.5	70.3	72.8	74.2	75.5	76.5

Table A12 (Continued)

Piezometer Location											
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T L
18	22+62.6	-16.8	7.0	9.5	4.9	0.9	-0.8	-0.4	-2.4	-2.8	0
19	22+69.1	-16.6	7.0	9.5	6.6	4.9	2.7	3.3	0.5	3.3	5
20	22+76.6	-16.5	7.0	10.2	8.2	8.0	7.2	6.3	5.0	8.2	9
21	22+90.6	-16.5	7.0	10.7	9.5	9.5	10.8	12.8	14.2	14.1	1
21A	22+90.6	-16.5	7.0	7.8	10.3	10.5	12.3	12.1	14.6	18.5	1
22	23+50.0	-16.5	7.0	9.8	9.7	10.4	13.0	15.2	17.7	20.9	2
23	24+50.0	-16.5	7.0	9.2	9.5	9.7	11.8	14.2	16.5	19.8	2
24	25+50.0	-16.5	7.0	8.5	9.5	9.3	12.1	13.4	15.6	18.4	2
24A	25+50.0	-16.5	7.0	7.3	9.4	8.7	10.8	12.7	14.6	17.5	2
25	26+04.3	-24.25	7.0	8.0	9.0	10.0	11.7	13.5	16.2	19.0	2
26	25+95.9	-24.25	7.0	8.1	8.6	8.8	10.6	11.5	13.3	15.2	1
27	26+09.2	-17.0	7.0	7.5	8.7	8.9	10.5	12.0	14.5	16.7	1
27A	26+09.2	-17.0	7.0	7.3	8.9	8.8	10.5	11.8	13.9	16.1	1
28	26+01.3	-20.1	7.0	7.8	8.4	8.3	8.9	9.8	10.2	10.9	1
29	26+12.4	-20.1	7.0	7.5	8.2	8.8	10.0	11.9	13.7	15.9	1
30	25+96.0	-20.1	7.0	7.9	8.2	8.3	9.1	9.8	10.4	11.3	1
31	26+04.5	-20.1	7.0	8.0	8.2	9.1	10.2	12.2	14.0	16.3	1
32	25+88.1	-20.1	7.0	7.3	7.9	8.4	9.1	10.2	10.4	11.4	1
33	25+92.6	-20.1	7.0	7.4	8.0	8.8	10.2	11.8	13.8	16.5	1
34	26+01.3	-28.4	7.0	7.4	7.7	7.9	9.3	9.5	10.6	11.9	1
35	26+12.4	-28.4	7.0	6.9	7.9	8.4	10.2	11.4	13.4	16.0	1
36	25+96.0	-28.4	7.0	7.6	8.2	9.1	10.1	11.9	12.5	13.7	1
37	26+04.1	-28.4	7.0	7.4	9.4	9.4	9.9	10.5	11.5	13.7	1
38	25+88.1	-28.4	7.0	7.4	8.2	8.5	9.3	9.9	10.9	12.4	1
39	25+92.6	-28.4	7.0	6.9	8.2	8.4	9.6	10.9	12.6	15.1	1
40	25+75.0	-24.1	7.0	7.5	8.4	8.8	10.0	11.0	12.7	14.6	1
41	25+75.0	-24.1	7.0	7.6	8.0	8.3	9.7	10.2	11.6	13.2	1
42	25+70.0	-24.0	7.0	7.4	7.7	8.2	8.9	10.0	11.4	12.6	1
43	25+70.0	-24.0	7.0	7.5	8.3	8.6	9.3	10.1	11.4	12.8	1
44	25+65.0	-23.1	7.0	7.6	8.1	8.9	9.0	9.6	10.6	11.7	1
45	25+65.0	-23.1	7.0	7.5	8.1	8.3	8.9	9.3	10.2	11.4	1

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.3	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T= LC
4.9	0.9	-0.8	-0.4	-2.4	-2.8	0.1	6.7	24.1	55.8	60.7	64.7	68
6.6	4.9	2.7	3.3	0.5	3.3	5.7	19.7	31.2	54.7	59.8	63.9	67
8.2	8.0	7.2	6.3	5.0	8.2	9.6	21.4	36.3	53.0	58.5	63.0	66
9.5	9.5	10.8	12.8	14.2	14.1	16.3	29.2	41.3	54.4	59.6	64.1	67
10.3	10.5	12.3	12.1	14.6	18.5	18.6	27.2	37.5	52.3	58.1	62.9	66
9.7	10.4	13.0	15.2	17.7	20.9	24.7	32.6	42.0	53.5	59.0	63.2	66
9.5	9.7	11.8	14.2	16.5	19.8	23.3	31.6	40.2	51.5	57.2	62.4	66
9.5	9.3	12.1	13.4	15.6	18.4	22.9	30.5	38.1	51.0	57.0	62.1	66
9.4	8.7	10.8	12.7	14.6	17.5	21.3	28.2	36.4	49.8	56.8	61.3	66
9.0	10.0	11.7	13.5	16.2	19.0	23.2	31.9	40.9	55.1	60.4	64.3	67
8.6	8.8	10.6	11.5	13.3	15.2	17.9	23.9	29.8	41.3	49.2	56.9	62
8.7	8.9	10.5	12.0	14.5	16.7	19.7	26.8	34.2	46.6	52.9	59.6	64
8.9	8.8	10.5	11.8	13.9	16.1	19.5	25.8	33.3	45.7	52.7	58.8	63
8.4	8.3	8.9	9.8	10.2	10.9	11.7	14.3	18.9	25.4	37.4	47.2	55
8.2	8.8	10.0	11.9	13.7	15.9	19.2	25.8	34.2	45.6	53.0	58.8	64
8.2	8.3	9.1	9.8	10.4	11.3	12.3	14.5	19.5	27.1	39.9	50.5	59
8.2	9.1	10.2	12.2	14.0	16.3	19.4	25.2	34.7	45.7	53.3	58.9	64
7.9	8.4	9.1	10.2	10.4	11.4	12.2	13.3	14.9	24.7	34.9	45.6	54
8.0	8.8	10.2	11.8	13.8	16.5	19.2	25.8	35.0	50.8	52.5	57.3	62
7.7	7.9	9.3	9.5	10.6	11.9	12.6	16.1	20.2	28.5	38.5	48.0	56
7.9	8.4	10.2	11.4	13.4	16.0	19.0	25.7	34.5	49.3	57.9	63.9	67
8.2	9.1	10.1	11.9	12.5	13.7	14.5	18.8	19.0	25.3	35.4	45.1	53
9.4	9.4	9.9	10.5	11.5	13.7	15.6	22.5	31.1	45.6	52.2	58.3	63
8.2	8.5	9.3	9.9	10.9	12.4	13.3	16.6	21.1	30.7	46.8	47.6	53
8.2	8.4	9.6	10.9	12.6	15.1	17.8	24.2	31.6	45.1	52.6	58.3	63
8.4	8.8	10.0	11.0	12.7	14.6	16.5	22.2	28.8	41.4	51.1	58.2	62
8.0	8.3	9.7	10.2	11.6	13.2	16.4	19.8	24.0	33.7	42.4	50.9	57
7.7	8.2	8.9	10.0	11.4	12.6	14.4	18.8	23.9	35.1	43.8	51.5	58
8.3	8.6	9.3	10.1	11.4	12.8	14.4	18.8	23.6	34.0	43.5	51.7	59
8.1	8.9	9.0	9.6	10.6	11.7	12.9	17.3	19.2	29.5	40.0	49.0	57
8.1	8.3	8.9	9.3	10.2	11.4	12.2	14.4	17.1	26.8	38.6	46.9	53

age Piezometer Readings, Prototype Feet of Water

	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=420 LC=57.2	T=480 LC=63.3	T=540 LC=68.3	T=600 LC=72.3	T=660 LC=74.8	T=720 LC=76.5
	6.7	24.1	55.8	60.7	64.7	68.3	71.5	73.4	74.6	76.0	76.5
	19.7	31.2	54.7	59.8	63.9	67.5	70.8	72.8	74.3	75.6	76.5
	21.4	36.3	53.0	58.5	63.0	66.7	69.9	72.4	74.6	75.6	76.5
	29.2	41.3	54.4	59.6	64.1	67.2	70.4	72.6	75.0	75.6	76.5
	27.2	37.5	52.3	58.1	62.9	66.7	70.3	72.4	74.5	75.9	76.5
	32.6	42.0	53.5	59.0	63.2	66.9	70.2	72.6	74.2	75.8	76.5
	31.6	40.2	51.5	57.2	62.4	66.2	69.9	72.2	74.0	75.3	76.5
	30.5	38.1	51.0	57.0	62.1	66.1	69.6	72.3	74.3	75.8	76.5
	28.2	36.4	49.8	56.8	61.3	66.1	69.4	71.8	73.8	75.4	76.5
	31.9	40.9	55.1	60.4	64.3	67.7	70.4	72.5	74.5	75.6	76.5
	23.9	29.8	41.3	49.2	56.9	62.0	67.1	70.7	73.9	75.3	76.5
	26.8	34.2	46.6	52.9	59.6	64.1	68.6	71.4	73.9	75.8	76.5
	25.8	33.3	45.7	52.7	58.8	63.9	67.9	71.2	73.5	75.3	76.5
	14.3	18.9	25.4	37.4	47.2	55.7	62.4	67.9	72.0	74.7	76.5
	25.8	34.2	45.6	53.0	58.8	64.0	68.0	71.3	73.6	75.6	76.5
	14.5	19.5	27.1	39.9	50.5	59.8	67.8	73.3	74.6	76.2	76.5
	25.2	34.7	45.7	53.3	58.9	64.2	68.3	71.4	74.1	75.5	76.5
	13.3	14.9	24.7	34.9	45.6	54.3	61.7	67.4	71.8	74.9	76.5
	25.8	35.0	50.8	52.5	57.3	62.5	67.2	70.7	73.6	75.5	76.5
	16.1	20.2	28.5	38.5	48.0	56.3	62.8	68.4	72.0	74.9	76.5
	25.7	34.5	49.3	57.9	63.9	67.5	71.2	72.4	73.4	75.2	76.5
	18.8	19.0	25.3	35.4	45.1	53.3	60.7	66.1	71.0	74.2	76.5
	22.5	31.1	45.6	52.2	58.3	63.3	67.5	71.0	73.4	75.2	76.5
	16.6	21.1	30.7	46.8	47.6	53.8	61.4	66.9	71.5	74.7	76.5
	24.2	31.6	45.1	52.6	58.3	63.6	67.4	70.9	73.5	75.4	76.5
	22.2	28.8	41.4	51.1	58.2	62.1	66.0	69.7	72.8	74.8	76.5
	19.8	24.0	33.7	42.4	50.9	57.5	64.4	69.1	72.2	75.0	76.5
	18.8	23.9	35.1	43.8	51.5	58.6	64.2	68.9	72.2	74.9	76.5
	18.8	23.6	34.0	43.5	51.7	59.0	64.3	68.9	72.3	75.0	76.5
	17.3	19.2	29.5	40.0	49.0	57.5	63.3	68.7	72.1	75.1	76.5
	14.4	17.1	26.8	38.6	46.9	53.9	60.9	67.0	71.5	74.7	76.5

Table A12 (Continued)

Piezometer Location										
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9
46	25+65.0	-23.1	7.0	7.3	8.6	9.3	10.9	13.2	16.1	20.1
47	25+60.0	-22.7	7.0	7.3	7.9	7.9	8.6	9.4	10.8	11.9
48	25+60.0	-22.7	7.0	7.1	8.0	8.4	9.1	9.7	11.1	12.1
49	25+60.0	-22.7	7.0	7.4	8.1	8.2	8.8	9.9	10.9	11.4
50	25+60.0	-22.7	7.0	7.5	7.8	8.0	8.6	9.6	10.5	11.7
51	25+50.0	-22.1	7.0	7.4	7.7	8.1	9.2	10.3	11.4	13.1
52	25+50.0	-22.1	7.0	7.1	7.6	7.7	8.8	9.4	11.0	12.7
53	25+50.0	-22.1	7.0	7.4	8.1	8.3	9.2	10.5	12.0	13.4
54	25+50.0	-22.1	7.0	7.4	7.7	8.3	9.2	10.2	11.6	13.2
55	25+40.0	-21.5	7.0	7.2	7.8	8.2	9.0	10.1	11.7	13.6
56	25+40.0	-21.5	7.0	6.9	7.6	8.0	9.1	9.8	11.2	12.6
57	25+40.0	-21.5	7.0	7.1	8.0	8.2	9.1	10.3	11.7	13.4
58	25+40.0	-21.5	7.0	7.0	8.1	7.8	9.0	9.8	11.9	13.7
59	25+30.0	-20.9	7.0	7.1	8.1	8.1	9.3	10.7	12.3	14.4
60	25+30.0	-20.9	7.0	7.1	7.8	8.0	8.6	9.7	11.0	12.4
61	25+30.0	-20.9	7.0	7.0	7.7	8.1	8.9	9.9	11.1	12.9
62	25+30.0	-20.9	7.0	6.9	7.9	8.2	9.4	10.5	12.2	13.9
63	25+25.0	-20.9	7.0	7.0	7.9	8.4	9.3	10.9	12.6	14.9
64	25+25.0	-20.6	7.0	7.0	7.7	8.0	8.4	9.2	10.0	11.5
65	25+25.0	-20.6	7.0	6.8	7.6	7.8	8.4	9.1	10.0	11.0
66	25+25.0	-20.6	7.0	7.1	8.0	8.3	9.4	11.0	12.8	14.9
68	25+23.0	-20.6	7.0	6.9	7.1	7.7	8.3	8.7	10.1	11.2
69	25+23.0	-20.6	7.0	7.2	7.7	7.9	8.7	9.4	10.7	11.9
70	25+23.0	-20.6	7.0	7.4	8.1	8.4	9.8	10.8	12.7	14.8
71	25+10.2	-24.25	7.0	7.3	7.9	8.3	9.5	11.1	12.8	15.4
71A	25+10.2	-24.25	7.0	7.2	7.8	8.2	9.1	10.3	12.1	14.2
72	25+00.2	-24.25	7.0	7.2	7.6	8.2	9.5	10.8	12.7	14.6
73	24+90.2	-24.25	7.0	7.3	8.0	8.5	9.8	11.4	13.7	15.8
74	24+80.2	-24.25	7.0	7.3	7.7	8.4	9.7	11.3	13.4	16.0
75	24+70.2	-24.25	7.0	7.1	7.3	9.1	9.4	11.3	13.2	15.7
76	24+60.2	-24.25	7.0	7.1	7.5	8.5	9.6	11.6	13.5	16.4

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.3	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T= LC
8.6	9.3	10.9	13.2	16.1	20.1	23.2	32.3	43.5	61.6	62.8	66.0	68
7.9	7.9	8.6	9.4	10.8	11.9	13.5	16.9	21.3	32.0	40.7	50.3	57
8.0	8.4	9.1	9.7	11.1	12.1	13.9	17.6	21.3	31.9	41.6	49.9	57
8.1	8.2	8.8	9.9	10.9	11.4	13.4	16.7	20.7	30.3	40.1	49.3	57
7.8	8.0	8.6	9.6	10.5	11.7	12.5	16.0	19.7	28.6	38.7	48.2	56
7.7	8.1	9.2	10.3	11.4	13.1	14.9	19.8	25.2	37.2	46.1	54.3	60
7.6	7.7	8.8	9.4	11.0	12.7	14.2	18.3	23.1	34.5	43.6	51.7	58
8.1	8.3	9.2	10.5	12.0	13.4	15.3	19.3	24.3	35.7	47.2	50.3	57
7.7	8.3	9.2	10.2	11.6	13.2	14.7	19.4	23.8	34.9	44.3	52.5	59
7.8	8.2	9.0	10.1	11.7	13.6	15.6	20.8	26.5	38.0	47.4	54.2	60
7.6	8.0	9.1	9.8	11.2	12.6	14.4	19.4	23.3	34.1	44.6	52.5	59
8.0	8.2	9.1	10.3	11.7	13.4	15.1	19.7	24.8	36.0	45.1	53.2	60
8.1	7.8	9.0	9.8	11.9	13.7	15.7	21.3	26.4	38.8	48.3	57.1	64
8.1	8.1	9.3	10.7	12.3	14.4	16.2	22.6	28.8	40.8	49.4	56.1	61
7.8	8.0	8.6	9.7	11.0	12.4	14.3	18.9	23.5	34.1	44.3	52.3	59
7.7	8.1	8.9	9.9	11.1	12.9	14.7	18.8	23.4	34.2	44.1	52.4	59
7.9	8.2	9.4	10.5	12.2	13.9	16.4	21.8	27.3	39.3	47.8	55.4	61
7.9	8.4	9.3	10.9	12.6	14.9	17.6	24.4	31.7	45.1	52.0	56.9	63
7.7	8.0	8.4	9.2	10.0	11.5	12.8	16.1	20.0	30.1	40.9	49.5	57
7.6	7.8	8.4	9.1	10.0	11.0	12.5	15.6	18.7	28.3	39.4	48.8	56
8.0	8.3	9.4	11.0	12.8	14.9	17.8	24.4	30.9	42.9	51.7	57.3	63
7.1	7.7	8.3	8.7	10.1	11.2	12.9	16.6	20.9	31.7	41.8	50.6	58
7.7	7.9	8.7	9.4	10.7	11.9	13.2	17.1	21.1	31.0	41.5	50.3	57
8.1	8.4	9.8	10.8	12.7	14.8	17.2	22.9	29.6	41.3	50.1	56.6	62
7.9	8.3	9.5	11.1	12.8	15.4	17.2	20.4	23.4	34.4	44.7	52.4	59
7.8	8.2	9.1	10.3	12.1	14.2	16.4	21.4	26.5	38.1	47.9	54.8	61
7.6	8.2	9.5	10.8	12.7	14.6	17.3	23.1	30.0	42.0	50.8	56.9	62
8.0	8.5	9.8	11.4	13.7	15.8	18.8	26.0	34.1	48.7	57.2	62.2	64
7.7	8.4	9.7	11.3	13.4	16.0	18.6	26.0	33.7	47.3	54.3	59.8	64
7.3	9.1	9.4	11.3	13.2	15.7	19.0	26.9	34.2	48.0	55.7	60.6	65
7.5	8.5	9.6	11.6	13.5	16.4	19.4	27.4	36.0	49.4	56.5	61.3	65

ge Piezometer Readings, Prototype Feet of Water

	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=420 LC=57.2	T=480 LC=63.3	T=540 LC=68.3	T=600 LC=72.3	T=660 LC=74.8	T=720 LC=76.5
	32.3	43.5	61.6	62.8	66.0	68.7	70.5	72.6	74.4	75.7	76.5
	16.9	21.3	32.0	40.7	50.3	57.3	63.5	68.5	72.2	74.8	76.5
	17.6	21.3	31.9	41.6	49.9	57.6	63.7	68.5	72.3	74.9	76.5
	16.7	20.7	30.3	40.1	49.3	57.3	63.4	68.8	72.3	74.8	76.5
	16.0	19.7	28.6	38.7	48.2	56.9	63.0	68.3	71.7	74.6	76.5
	19.8	25.2	37.2	46.1	54.3	60.9	67.0	70.9	74.1	75.6	76.5
	18.3	23.1	34.5	43.6	51.7	58.7	64.8	69.1	72.5	75.1	76.5
	19.3	24.3	35.7	47.2	50.3	57.1	63.2	68.0	72.1	74.8	76.5
	19.4	23.8	34.9	44.3	52.5	59.5	64.9	69.4	72.7	75.3	76.5
	20.8	26.5	38.0	47.4	54.2	60.8	65.8	69.9	73.0	75.1	76.5
	19.4	23.3	34.1	44.6	52.5	59.1	64.8	69.1	72.7	74.9	76.5
	19.7	24.8	36.0	45.1	53.2	60.1	65.0	69.6	72.8	75.1	76.5
	21.3	26.4	38.8	48.3	57.1	64.0	69.6	72.8	75.3	76.1	76.5
	22.6	28.8	40.8	49.4	56.1	61.8	66.6	70.6	73.3	75.2	76.5
	18.9	23.5	34.1	44.3	52.3	59.1	64.8	69.4	72.4	74.9	76.5
	18.8	23.4	34.2	44.1	52.4	59.3	64.5	69.5	72.6	75.1	76.5
	21.8	27.3	39.3	47.8	55.4	61.4	66.1	70.0	73.3	75.5	76.5
	24.4	31.7	45.1	52.0	56.9	63.0	67.3	70.9	73.7	75.4	76.5
	16.1	20.0	30.1	40.9	49.5	57.1	63.4	68.4	72.1	74.6	76.5
	15.6	18.7	28.3	39.4	48.8	56.9	62.8	68.2	71.8	74.6	76.5
	24.4	30.9	42.9	51.7	57.3	63.1	67.5	70.9	73.8	75.7	76.5
	16.6	20.9	31.7	41.8	50.6	58.0	63.7	68.7	72.3	75.0	76.5
	17.1	21.1	31.0	41.5	50.3	57.9	63.9	68.7	72.4	74.9	76.5
	22.9	29.6	41.3	50.1	56.6	62.2	66.6	70.4	73.3	75.2	76.5
	20.4	23.4	34.4	44.7	52.4	59.0	64.7	69.2	72.5	74.8	76.5
	21.4	26.5	38.1	47.9	54.8	61.2	66.2	69.9	73.2	75.2	76.5
	23.1	30.0	42.0	50.8	56.9	62.5	67.2	70.9	73.4	75.5	76.5
	26.0	34.1	48.7	57.2	62.2	64.5	67.7	70.8	73.2	75.3	76.5
	26.0	33.7	47.3	54.3	59.8	64.5	68.3	71.5	73.8	75.5	76.5
	26.9	34.2	48.0	55.7	60.6	65.0	68.3	71.3	73.6	75.0	76.5
	27.4	36.0	49.4	56.5	61.3	65.8	68.8	72.3	74.7	75.5	76.5

Table A12 (Continued)

Piezometer Location											
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T L
77	24+50.2	-24.25	7.0	7.2	7.6	8.6	9.9	11.9	14.2	17.2	2
78	24+40.2	-24.25	7.0	7.1	7.3	8.2	9.7	11.6	13.9	16.8	2
79	24+30.2	-24.25	7.0	7.2	7.0	7.7	8.2	9.0	10.2	11.5	1
79A	24+30.2	-24.25	7.0	7.4	7.4	8.2	9.4	11.4	13.8	16.5	2
80	26+17.0	-28.4	7.0	7.5	8.0	7.9	9.2	9.2	10.6	11.7	1
81	26+06.0	-28.4	7.0	7.8	8.7	8.8	10.4	11.9	14.2	16.6	1
82	26+22.4	-28.4	7.0	7.5	8.3	7.9	8.7	9.5	10.7	11.7	1
83	26+13.9	-28.4	7.0	7.6	9.0	8.8	10.1	11.5	13.9	16.3	1
84	26+30.3	-28.4	7.0	7.2	7.9	7.6	8.7	9.5	10.1	11.2	1
85	26+25.7	-28.4	7.0	7.3	8.4	8.6	10.2	11.4	13.5	15.9	1
86	26+17.0	-20.1	7.0	6.6	8.1	7.5	9.0	9.3	10.2	10.5	1
87	26+06.0	-20.1	7.0	7.0	8.3	8.4	10.1	11.6	13.7	16.1	1
88	26+22.4	-20.1	7.0	7.0	7.7	7.5	8.9	9.3	10.3	10.9	1
89	26+13.9	-20.1	7.0	6.8	8.2	8.2	10.0	11.2	13.5	15.7	1
90	26+30.3	-20.1	7.0	6.6	7.9	7.8	8.7	9.0	10.1	10.8	1
91	26+25.7	-20.1	7.0	6.8	8.1	7.9	9.4	10.9	12.9	15.4	1
92	26+43.3	-24.1	7.0	7.1	8.2	8.1	9.6	10.7	12.2	13.9	1
93	26+43.3	-24.1	7.0	7.3	8.4	8.4	9.5	10.8	12.0	14.4	1
94	26+48.3	-24.0	7.0	7.2	7.7	7.9	9.0	9.9	11.4	13.0	1
95	26+48.3	-24.0	7.0	7.3	8.0	7.9	9.1	10.3	11.4	13.0	1
96	26+53.3	-23.1	7.0	7.1	8.2	8.0	9.2	9.3	10.7	11.2	1
97	26+53.3	-23.1	7.0	7.2	7.7	7.7	8.6	8.8	9.6	10.3	1
98	26+53.3	-23.1	7.0	7.3	8.5	8.8	10.2	12.5	15.7	17.6	2
99	26+58.3	-22.7	7.0	7.0	7.8	7.9	9.2	9.6	10.8	12.0	1
100	26+58.3	-22.7	7.0	6.9	8.0	7.7	8.5	9.4	10.9	12.0	1
101	26+58.3	-22.7	7.0	7.3	8.1	8.0	8.9	9.3	11.0	12.1	1
102	26+58.3	-22.7	7.0	7.1	8.0	7.8	8.9	9.6	10.7	12.2	1
103	26+68.3	-22.1	7.0	6.8	7.3	7.4	7.9	8.8	9.9	11.1	1
104	26+68.3	-22.1	7.0	7.1	7.8	7.9	9.0	9.9	11.1	12.7	1
105	26+68.3	-22.1	7.0	7.3	8.2	8.2	9.3	10.2	11.4	13.2	1
106	26+68.3	-22.1	7.0	7.4	8.0	8.3	9.0	9.6	11.8	13.3	1

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.3	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T L
7.6	8.6	9.9	11.9	14.2	17.2	20.6	28.2	36.6	51.1	57.6	62.1	6
7.3	8.2	9.7	11.6	13.9	16.8	20.2	28.0	37.2	52.1	57.9	62.5	6
7.0	7.7	8.2	9.0	10.2	11.5	14.1	22.8	32.4	49.2	56.6	61.2	6
7.4	8.2	9.4	11.4	13.8	16.5	20.2	29.0	37.6	53.0	58.0	62.4	6
8.0	7.9	9.2	9.2	10.6	11.7	13.0	14.9	19.9	28.4	39.9	50.0	5
8.7	8.8	10.4	11.9	14.2	16.6	19.3	25.7	33.5	45.4	52.5	58.7	6
8.3	7.9	8.7	9.5	10.7	11.7	13.6	15.8	19.4	28.5	39.6	50.3	5
9.0	8.8	10.1	11.5	13.9	16.3	19.3	25.3	32.9	45.0	52.3	58.9	6
7.9	7.6	8.7	9.5	10.1	11.2	13.6	15.7	19.0	27.4	39.2	49.8	5
8.4	8.6	10.2	11.4	13.5	15.9	19.7	25.1	32.2	44.5	51.4	58.9	6
8.1	7.5	9.0	9.3	10.2	10.5	12.4	14.0	17.3	25.6	37.3	46.7	5
8.3	8.4	10.1	11.6	13.7	16.1	19.7	25.9	33.5	45.0	53.0	58.3	6
7.7	7.5	8.9	9.3	10.3	10.9	12.4	14.6	16.8	26.1	37.6	46.9	5
8.2	8.2	10.0	11.2	13.5	15.7	19.3	26.3	33.0	45.6	53.4	58.9	6
7.9	7.8	8.7	9.0	10.1	10.8	12.6	14.4	16.8	25.9	37.1	46.8	5
8.1	7.9	9.4	10.9	12.9	15.4	18.6	25.3	31.8	44.7	52.4	58.2	6
8.2	8.1	9.6	10.7	12.2	13.9	16.8	21.9	27.9	40.0	48.2	55.8	6
8.4	8.4	9.5	10.8	12.0	14.4	16.7	22.6	27.0	38.9	47.5	54.7	6
7.7	7.9	9.0	9.9	11.4	13.0	15.1	19.2	23.0	33.8	43.1	52.0	5
8.0	7.9	9.1	10.3	11.4	13.0	15.2	19.7	24.2	35.3	44.8	53.0	5
8.2	8.0	9.2	9.3	10.7	11.2	13.2	15.6	17.9	27.7	38.4	48.4	5
7.7	7.7	8.6	8.8	9.6	10.3	11.0	12.7	15.5	24.4	36.1	46.3	5
8.5	8.8	10.2	12.5	15.7	17.6	22.5	29.9	41.1	55.2	62.4	67.1	6
7.8	7.9	9.2	9.6	10.8	12.0	14.0	18.0	20.7	32.3	42.9	52.8	6
8.0	7.7	8.5	9.4	10.9	12.0	13.5	17.2	22.2	30.9	41.7	50.4	5
8.1	8.0	8.9	9.3	11.0	12.1	13.3	16.7	21.1	29.9	40.7	49.7	5
8.0	7.8	8.9	9.6	10.7	12.2	13.3	17.1	21.4	31.0	41.9	50.8	5
7.3	7.4	7.9	8.8	9.9	11.1	13.3	17.8	23.1	34.0	43.8	52.2	5
7.8	7.9	9.0	9.9	11.1	12.7	15.0	19.2	23.9	35.1	44.1	52.8	5
8.2	8.2	9.3	10.2	11.4	13.2	14.7	19.2	24.0	34.7	44.6	53.1	6
8.0	8.3	9.0	9.6	11.8	13.3	15.1	19.7	24.7	35.8	44.5	53.0	5

zometer Readings, Prototype Feet of Water

=150 C=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=420 LC=57.2	T=480 LC=63.3	T=540 LC=68.3	T=600 LC=72.3	T=660 LC=74.8	T=720 LC=76.5
8.2	36.6	51.1	57.6	62.1	66.3	69.5	72.3	74.1	75.6	76.5
8.0	37.2	52.1	57.9	62.5	66.6	69.5	72.2	74.4	75.6	76.5
2.8	32.4	49.2	56.6	61.2	65.7	69.1	71.4	73.8	75.6	76.5
9.0	37.6	53.0	58.0	62.4	66.7	69.8	72.1	74.1	75.6	76.5
4.9	19.9	28.4	39.9	50.0	57.1	63.6	68.8	72.5	75.2	76.5
5.7	33.5	45.4	52.5	58.7	63.7	67.9	71.6	74.4	76.1	76.5
5.8	19.4	28.5	39.6	50.3	56.9	63.5	68.7	72.6	75.1	76.5
5.3	32.9	45.0	52.3	58.9	63.4	67.8	71.3	73.8	75.9	76.5
5.7	19.0	27.4	39.2	49.8	56.9	63.2	68.7	72.2	74.9	76.5
5.1	32.2	44.5	51.4	58.9	63.3	67.4	71.3	73.6	75.3	76.5
4.0	17.3	25.6	37.3	46.7	55.7	62.4	68.0	72.1	74.8	76.5
5.9	33.5	45.0	53.0	58.3	63.8	67.5	71.4	74.1	75.3	76.5
4.6	16.8	26.1	37.6	46.9	55.8	62.5	68.1	72.1	74.9	76.5
6.3	33.0	45.6	53.4	58.9	64.1	67.7	71.3	73.9	75.6	76.5
4.4	16.8	25.9	37.1	46.8	55.4	62.4	67.9	71.9	74.8	76.5
5.3	31.8	44.7	52.4	58.2	63.7	67.9	71.1	73.7	75.3	76.5
1.9	27.9	40.0	48.2	55.8	61.8	66.7	70.4	73.0	75.4	76.5
2.6	27.0	38.9	47.5	54.7	61.5	66.5	69.9	73.1	75.4	76.5
9.2	23.0	33.8	43.1	52.0	59.1	64.5	68.6	72.4	75.1	76.5
9.7	24.2	35.3	44.8	53.0	59.4	65.2	69.5	73.0	75.1	76.5
5.6	17.9	27.7	38.4	48.4	56.5	63.3	68.3	72.3	75.0	76.5
2.7	15.5	24.4	36.1	46.3	55.2	61.9	67.7	71.7	74.7	76.5
9.9	41.1	55.2	62.4	67.1	69.1	72.1	74.4	75.6	75.9	76.5
8.0	20.7	32.3	42.9	52.8	60.5	66.3	69.6	72.4	75.0	76.5
7.2	22.2	30.9	41.7	50.4	57.7	64.4	68.8	72.9	75.4	76.5
6.7	21.1	29.9	40.7	49.7	57.5	63.3	68.4	72.1	74.6	76.5
7.1	21.4	31.0	41.9	50.8	57.6	63.6	68.5	72.2	74.8	76.5
7.8	23.1	34.0	43.8	52.2	59.1	64.7	68.9	72.5	74.9	76.5
9.2	23.9	35.1	44.1	52.8	59.4	64.8	69.6	72.6	75.1	76.5
9.2	24.0	34.7	44.6	53.1	60.0	65.4	69.4	72.7	75.2	76.5
9.7	24.7	35.8	44.5	53.0	58.2	62.0	67.5	71.9	74.8	76.5

Table A12 (Continued)

Piezometer Location											
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T
107	26+78.3	-21.5	7.0	7.2	8.0	8.0	9.2	10.4	11.7	13.4	1
108	26+78.3	-21.5	7.0	7.1	7.8	8.3	9.0	10.0	11.4	13.2	1
109	26+78.3	-21.5	7.0	7.1	7.8	8.2	9.2	10.3	11.4	13.2	1
110	26+78.3	-21.5	7.0	6.9	7.3	7.5	8.8	10.0	11.3	13.3	1
111	26+88.3	-20.9	7.0	7.6	7.8	8.3	9.2	10.4	11.9	13.7	1
112	26+88.3	-20.9	7.0	7.4	7.5	8.1	8.7	10.1	11.2	12.4	1
113	26+88.3	-20.9	7.0	7.4	8.1	8.0	9.0	9.8	11.1	12.5	1
114	26+88.3	-20.9	7.0	7.4	8.0	8.4	9.5	10.7	12.6	14.7	1
115	26+93.3	-20.6	7.0	7.1	7.8	8.1	9.0	10.5	12.3	14.4	1
116	26+93.3	-20.6	7.0	7.2	7.8	8.0	8.7	9.5	10.2	11.2	1
117	26+93.3	-20.6	7.0	7.4	7.9	7.7	8.5	9.3	10.1	10.8	1
118	26+93.3	-20.6	7.0	7.1	7.6	8.4	9.2	10.7	12.3	14.6	1
119	26+95.3	-20.6	7.0	7.0	7.6	8.2	8.9	10.5	12.3	14.1	1
120	26+95.3	-20.6	7.0	7.1	7.7	8.0	8.7	9.5	10.5	12.3	1
121	26+95.3	-20.6	7.0	7.0	7.2	7.1	7.9	8.7	9.6	11.1	1
122	26+95.3	-20.6	7.0	7.7	7.8	8.2	9.3	10.6	12.1	14.3	1
123	27+08.1	-24.25	7.0	7.4	8.3	8.0	9.3	10.5	12.1	13.9	1
123A	27+08.1	-24.25	7.0	6.7	7.2	7.6	8.6	9.2	10.6	12.3	1
124	27+18.1	-24.25	7.0	7.2	7.7	9.1	9.4	10.4	12.4	14.4	1
125	27+28.1	-24.25	7.0	7.0	7.5	8.3	9.2	10.7	12.5	15.2	1
126	27+38.1	-24.25	7.0	6.9	7.6	8.1	9.0	10.5	12.9	15.1	1
127	27+48.1	-24.25	7.0	7.1	7.0	7.9	9.0	10.5	12.5	15.2	1
128	27+58.1	-24.25	7.0	7.8	7.6	8.3	9.1	11.0	13.0	15.7	1
129	27+68.1	-24.25	7.0	7.0	7.7	8.1	9.3	10.8	12.9	15.6	1
130	27+78.1	-24.25	7.0	6.6	6.7	7.9	9.2	10.6	13.0	15.8	1
131	27+88.1	-24.25	7.0	7.0	7.3	8.7	9.4	11.0	13.4	16.3	1
131A	27+88.1	-24.25	7.0	7.5	7.3	8.0	9.4	11.0	13.0	16.4	1
132	26+14.0	-24.25	7.0	7.5	8.4	9.5	11.1	12.8	16.0	19.1	2
133	26+22.5	-24.25	7.0	7.7	8.9	9.5	11.7	13.8	15.7	18.9	2
134	26+70.0	-17.0	7.0	7.5	8.9	9.2	11.5	13.5	16.0	18.9	2
134A	26+70.0	-17.0	7.0	7.2	9.3	9.3	10.7	12.8	15.0	17.9	2

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.3	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T L
8.0	8.0	9.2	10.4	11.7	13.4	15.8	20.6	25.7	37.0	46.6	54.0	6
7.8	8.3	9.0	10.0	11.4	13.2	15.2	20.1	25.0	36.6	45.5	53.7	6
7.8	8.2	9.2	10.3	11.4	13.2	14.8	19.5	24.7	36.5	45.0	53.0	5
7.3	7.5	8.8	10.0	11.3	13.3	15.4	19.9	25.8	38.8	49.6	59.0	6
7.8	8.3	9.2	10.4	11.9	13.7	15.9	21.6	26.9	39.3	47.8	55.0	6
7.5	8.1	8.7	10.1	11.2	12.4	14.1	18.1	23.0	33.3	43.6	51.8	5
8.1	8.0	9.0	9.8	11.1	12.5	14.3	17.7	23.0	33.2	43.1	51.6	5
8.0	8.4	9.5	10.7	12.6	14.7	17.0	23.2	29.8	43.8	48.5	52.6	5
7.8	8.1	9.0	10.5	12.3	14.4	16.6	23.4	29.8	42.7	50.4	57.0	6
7.8	8.0	8.7	9.5	10.2	11.2	12.6	15.9	19.6	29.2	39.7	48.7	5
7.9	7.7	8.5	9.3	10.1	10.8	12.4	14.8	18.8	27.2	38.6	47.9	5
7.6	8.4	9.2	10.7	12.3	14.6	17.4	22.7	29.1	42.5	50.2	56.4	6
7.6	8.2	8.9	10.5	12.3	14.1	16.5	23.3	29.6	42.6	50.6	57.6	6
7.7	8.0	8.7	9.5	10.5	12.3	13.6	17.7	21.8	32.9	43.1	53.3	6
7.2	7.1	7.9	8.7	9.6	11.1	12.3	16.1	20.1	30.8	42.0	52.8	6
7.8	8.2	9.3	10.6	12.1	14.3	16.8	23.2	29.1	41.9	49.3	56.4	6
8.3	8.0	9.3	10.5	12.1	13.9	17.1	21.6	27.7	39.9	47.8	55.1	6
7.2	7.6	8.6	9.2	10.6	12.3	14.2	19.7	26.5	37.9	48.0	54.3	6
7.7	9.1	9.4	10.4	12.4	14.4	16.7	23.0	29.3	41.4	49.4	55.9	6
7.5	8.3	9.2	10.7	12.5	15.2	17.5	23.9	31.2	44.0	51.1	57.6	6
7.6	8.1	9.0	10.5	12.9	15.1	18.0	24.6	32.3	45.4	52.6	58.2	6
7.0	7.9	9.0	10.5	12.5	15.2	18.2	25.8	33.5	47.2	54.0	59.8	6
7.6	8.3	9.1	11.0	13.0	15.7	19.0	26.4	35.0	48.9	55.5	60.5	6
7.7	8.1	9.3	10.8	12.9	15.6	19.5	26.1	34.7	49.6	55.7	60.8	6
6.7	7.9	9.2	10.6	13.0	15.8	19.2	27.2	36.4	50.9	57.1	61.5	6
7.3	8.7	9.4	11.0	13.4	16.3	19.6	27.7	37.0	51.7	57.7	61.9	6
7.3	8.0	9.4	11.0	13.0	16.4	19.2	27.3	35.5	50.9	57.5	62.5	6
8.4	9.5	11.1	12.8	16.0	19.1	22.6	30.7	39.5	53.3	59.3	63.6	67
8.9	9.5	11.7	13.8	15.7	18.9	22.8	30.3	39.6	53.2	59.1	63.7	67
8.9	9.2	11.5	13.5	16.0	18.9	22.9	31.4	40.3	54.3	59.7	63.9	67
9.3	9.3	10.7	12.8	15.0	17.9	21.7	29.6	38.6	52.7	58.4	63.3	66

e Piezometer Readings, Prototype Feet of Water

T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=420 LC=57.2	T=480 LC=63.3	T=540 LC=68.3	T=600 LC=72.3	T=660 LC=74.8	T=720 LC=76.5
20.6	25.7	37.0	46.6	54.0	60.3	65.7	69.5	72.9	75.1	76.5
20.1	25.0	36.6	45.5	53.7	60.0	65.3	69.5	73.0	74.9	76.5
19.5	24.7	36.5	45.0	53.0	59.8	65.3	69.4	72.8	75.1	76.5
19.9	25.8	38.8	49.6	59.0	60.0	63.4	68.3	72.3	74.8	76.5
21.6	26.9	39.3	47.8	55.0	61.2	65.9	70.3	73.1	75.4	76.5
18.1	23.0	33.3	43.6	51.8	58.7	65.2	69.7	72.7	75.2	76.5
17.7	23.0	33.2	43.1	51.6	58.8	64.1	69.2	72.6	75.2	76.5
23.2	29.8	43.8	48.5	52.6	59.1	64.3	68.7	72.3	74.7	76.5
23.4	29.8	42.7	50.4	57.0	62.9	67.1	70.8	73.5	75.3	76.5
15.9	19.6	29.2	39.7	48.7	57.1	63.0	68.4	72.1	74.8	76.5
14.8	18.8	27.2	38.6	47.9	56.2	62.6	67.8	72.1	75.1	76.5
22.7	29.1	42.5	50.2	56.4	62.3	66.4	70.6	73.0	75.4	76.5
23.3	29.6	42.6	50.6	57.6	63.2	67.3	71.0	73.5	75.3	76.5
17.7	21.8	32.9	43.1	53.3	61.5	66.8	68.4	72.0	74.5	76.5
16.1	20.1	30.8	42.0	52.8	60.9	67.1	70.4	72.9	74.5	76.5
23.2	29.1	41.9	49.3	56.4	62.2	66.8	70.7	73.4	75.5	76.5
21.6	27.7	39.9	47.8	55.1	61.1	66.0	70.0	73.0	75.2	76.5
19.7	26.5	37.9	48.0	54.3	60.3	65.1	69.4	72.7	75.0	76.5
23.0	29.3	41.4	49.4	55.9	61.6	66.3	69.8	72.8	74.9	76.5
23.9	31.2	44.0	51.1	57.6	63.0	67.3	71.2	74.2	75.5	76.5
24.6	32.3	45.4	52.6	58.2	63.4	68.0	70.9	73.5	75.7	76.5
25.8	33.5	47.2	54.0	59.8	64.3	68.3	71.4	73.8	75.7	76.5
26.4	35.0	48.9	55.5	60.5	65.2	68.8	71.8	74.0	75.5	76.5
26.1	34.7	49.6	55.7	60.8	65.0	68.9	71.6	73.8	75.3	76.5
27.2	36.4	50.9	57.1	61.5	65.8	69.3	71.9	74.1	75.8	76.5
27.7	37.0	51.7	57.7	61.9	65.9	69.1	71.9	73.8	75.4	76.5
27.3	35.5	50.9	57.5	62.5	65.8	69.3	72.2	74.5	75.5	76.5
30.7	39.5	53.3	59.3	63.6	67.1	70.3	72.4	74.0	75.2	76.5
30.3	39.6	53.2	59.1	63.7	67.0	70.2	72.6	74.2	75.6	76.5
31.4	40.3	54.3	59.7	63.9	67.5	70.7	73.1	74.7	75.9	76.5
29.6	38.6	52.7	58.4	63.3	66.9	69.8	72.4	74.3	75.6	76.5

Table A12 (Concluded)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9
135	27+85.0	-17.0	7.0	7.3	8.6	9.1	11.3	13.0	15.5	19.0
135A	27+85.0	-17.0	7.0	7.0	9.0	8.5	11.1	12.3	14.8	17.8
136	28+60.0	-18.0	7.0	6.9	8.8	9.3	11.3	13.0	15.6	18.9
136A	28+60.0	-18.0	7.0	7.3	8.9	8.5	11.0	12.2	15.1	18.0
137	28+72.0	-18.0	7.0	6.7	8.5	9.1	11.0	13.0	15.8	19.0
137A	28+72.0	-18.0	7.0	7.1	9.1	8.7	11.1	12.3	15.0	18.0
161	22+57.6	-24.0	7.0	8.3	3.7	1.5	1.8	-3.5	-2.8	-3.3
162	22+57.6	-26.4	7.0	8.9	3.9	2.4	1.4	-1.0	-3.3	-3.0
163	22+60.6	-24.0	7.0	8.5	1.2	3.4	1.4	-1.9	1.0	-2.5
164	22+60.6	-26.4	7.0	9.0	3.4	2.1	1.6	-2.2	-2.8	-2.2

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=7.1	T=45 LC=7.3	T=60 LC=8.1	T=75 LC=8.8	T=90 LC=9.8	T=105 LC=10.9	T=120 LC=12.3	T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T L
8.6	9.1	11.3	13.0	15.5	19.0	22.9	31.3	39.9	53.2	58.6	63.9	6
9.0	8.5	11.1	12.3	14.8	17.8	21.7	29.8	38.8	53.3	59.2	63.4	6
8.8	9.3	11.3	13.0	15.6	18.9	22.6	31.2	40.4	54.4	59.8	63.9	6
8.9	8.5	11.0	12.2	15.1	18.0	21.8	29.9	38.8	53.3	58.9	63.8	6
8.5	9.1	11.0	13.0	15.8	19.0	22.7	31.2	40.4	54.6	59.5	64.0	6
9.1	8.7	11.1	12.3	15.0	18.0	21.5	29.8	38.7	53.3	58.9	63.3	6
3.7	1.5	1.8	-3.5	-2.8	-3.3	-2.9	8.9	22.7	53.9	59.1	63.8	6
3.9	2.4	1.4	-1.0	-3.3	-3.0	0.5	11.3	25.0	55.4	60.5	64.4	6
1.2	3.4	1.4	-1.9	1.0	-2.5	0.4	12.4	25.6	56.1	61.8	66.8	7
3.4	2.1	1.6	-2.2	-2.8	-2.2	0.3	13.8	30.5	59.7	64.8	68.0	7

Piezometer Readings, Prototype Feet of Water

T=150 LC=16.1	T=180 LC=20.4	T=240 LC=30.7	T=300 LC=40.9	T=360 LC=50.4	T=420 LC=57.2	T=480 LC=63.3	T=540 LC=68.3	T=600 LC=72.3	T=660 LC=74.8	T=720 LC=76.5
31.3	39.9	53.2	58.6	63.9	67.8	70.3	72.7	74.6	75.7	76.5
29.8	38.8	53.3	59.2	63.4	67.3	70.1	72.4	74.4	75.6	76.5
31.2	40.4	54.4	59.8	63.9	67.3	70.1	72.6	74.4	75.3	76.5
29.9	38.8	53.3	58.9	63.8	67.1	70.1	72.6	74.8	75.9	76.5
31.2	40.4	54.6	59.5	64.0	67.4	70.5	72.6	74.4	75.8	76.5
29.8	38.7	53.3	58.9	63.3	67.2	69.8	72.5	74.5	75.7	76.5
8.9	22.7	53.9	59.1	63.8	67.4	70.8	73.8	75.7	76.2	76.5
11.3	25.0	55.4	60.5	64.4	67.9	70.8	72.9	74.7	75.9	76.5
12.4	25.6	56.1	61.8	66.8	71.2	74.2	75.8	76.3	76.6	76.5
13.8	30.5	59.7	64.8	68.0	70.4	72.9	74.4	75.7	76.1	76.5

Table A13
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper Po

Piezometer Location													
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.6	T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T L
1	21+17.8	-16.0	76.5	76.1	75.4	74.6	73.3	74.3	73.0	72.9	73.2	73.5	7
1A	21+17.8	-16.0	76.5	76.4	76.1	76.2	76.8	76.3	76.3	77.1	76.4	76.3	7
2	21+25.2	-16.0	76.5	76.0	75.1	75.6	73.5	73.2	74.1	73.5	73.3	73.5	7
2A	21+25.2	-16.0	76.5	75.9	75.7	75.5	75.6	75.6	76.0	75.7	75.7	76.5	7
3	21+22.9	-16.0	76.5	76.0	75.5	74.7	73.4	73.2	73.5	73.3	73.2	73.7	7
3A	21+22.9	-16.0	76.5	76.3	76.9	76.1	76.1	76.0	76.3	76.1	76.2	76.8	7
4	21+29.5	-16.0	76.5	75.9	75.2	72.7	70.1	69.2	68.8	69.5	69.5	69.5	7
4A	21+29.5	-16.0	76.5	75.9	76.0	75.7	75.7	76.7	75.9	75.7	75.8	75.7	7
5	21+39.4	-16.0	76.5	75.8	75.1	73.6	72.8	71.7	71.8	72.5	72.0	72.6	7
5A	21+39.4	-16.0	76.5	76.5	76.2	77.2	76.2	76.3	76.9	76.2	76.3	76.4	7
6	21+36.2	-16.0	76.5	75.4	74.4	73.6	71.1	70.5	70.6	70.7	70.8	71.7	7
6A	21+36.2	-16.0	76.5	76.6	76.2	76.1	75.9	76.1	76.2	76.2	76.0	76.8	7
7	21+42.5	-16.0	76.5	75.1	74.2	70.0	65.4	64.3	64.3	64.5	65.0	66.1	6
7A	21+42.5	-16.0	76.5	76.6	77.2	76.3	76.8	76.9	76.2	76.8	76.7	76.2	7
8	21+53.8	-16.0	76.5	75.8	74.5	72.2	69.3	69.8	69.3	69.2	69.1	69.5	7
8A	21+53.8	-16.0	76.5	75.9	75.8	75.8	75.7	75.8	75.8	76.9	76.0	76.1	7
9	21+49.7	-16.0	76.5	76.6	74.6	73.0	70.0	69.3	69.6	69.8	69.8	70.2	7
9A	21+49.7	-16.0	76.5	76.3	76.2	76.5	75.8	75.9	76.0	76.2	76.1	76.5	7
10	21+55.9	-16.0	76.5	75.1	72.5	68.9	63.9	62.1	61.9	62.4	62.9	63.8	6
10A	21+55.9	-16.0	76.5	76.4	76.9	76.8	76.0	76.0	76.0	76.2	76.1	76.2	7
11	21+70.0	-13.6	76.5	72.6	66.7	56.8	43.1	38.8	38.6	40.3	41.7	42.9	4
12	21+85.0	-17.0	76.5	74.3	68.6	58.4	44.9	41.3	42.1	41.4	42.8	44.5	4
13	21+91.0	-17.0	76.5	74.1	68.3	57.9	45.2	41.0	41.2	42.4	42.9	45.0	4
13A	21+91.0	-17.0	76.5	76.7	75.9	76.1	75.5	75.5	76.3	75.8	75.6	75.6	7
14	22+05.0	-17.0	76.5	74.2	67.7	56.9	41.5	37.9	38.3	39.2	40.2	42.5	4
14A	22+05.0	-17.0	76.5	75.4	75.4	75.3	75.4	75.0	75.2	75.1	75.2	75.3	7
15	22+52.1	-17.0	7.0	5.6	0.3	6.6	37.0	35.7	35.6	37.1	37.8	39.9	4
15A	22+52.1	-17.0	7.0	7.7	6.7	5.1	3.5	3.5	4.1	4.3	5.6	7.8	1
16	21+53.5	-17.0	7.0	3.7	0.0	7.0	29.9	26.2	27.2	27.7	28.5	31.9	3
17	22+59.1	-16.9	7.0	7.8	6.4	8.3	37.0	37.1	36.6	38.0	39.3	41.2	4
18	22+62.6	-16.8	7.0	3.5	-3.9	11.2	39.0	37.8	38.5	39.9	40.4	42.6	4

ading During Filling Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 1 M

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=8.6	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24.6	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=60(LC=6(
74.6	73.3	74.3	73.0	72.9	73.2	73.5	74.1	73.9	74.8	74.7	74.9	75.1	75.3	75.6
76.2	76.8	76.3	76.3	77.1	76.4	76.3	76.4	76.5	76.4	77.2	77.0	76.3	76.4	76.6
75.6	73.5	73.2	74.1	73.5	73.3	73.5	73.7	74.2	75.0	74.7	74.8	75.2	75.7	75.5
75.5	75.6	75.6	76.0	75.7	75.7	76.5	75.9	75.9	75.7	76.0	75.8	76.0	76.2	76.0
74.7	73.4	73.2	73.5	73.3	73.2	73.7	74.4	73.8	74.4	74.3	74.9	74.9	75.0	75.6
76.1	76.1	76.0	76.3	76.1	76.2	76.8	76.5	76.9	76.0	76.3	76.2	76.1	76.3	76.5
72.7	70.1	69.2	68.8	69.5	69.5	69.5	70.6	71.6	72.2	72.5	73.4	73.4	74.1	74.7
75.7	75.7	76.7	75.9	75.7	75.8	75.7	76.2	76.3	76.6	76.1	76.0	76.1	76.1	75.8
73.6	72.8	71.7	71.8	72.5	72.0	72.6	72.5	73.1	73.5	74.7	75.0	74.9	75.2	75.2
77.2	76.2	76.3	76.9	76.2	76.3	76.4	76.1	76.4	77.1	76.3	76.5	76.4	76.7	76.3
73.6	71.1	70.5	70.6	70.7	70.8	71.7	71.5	71.9	72.4	73.0	73.5	73.8	74.8	74.7
76.1	75.9	76.1	76.2	76.2	76.0	76.8	76.8	76.0	76.3	76.1	76.1	76.2	76.1	76.7
70.0	65.4	64.3	64.3	64.5	65.0	66.1	66.4	68.3	68.7	70.0	70.9	72.0	72.8	73.2
76.3	76.8	76.9	76.2	76.8	76.7	76.2	77.1	77.1	77.2	76.5	76.4	76.5	76.6	76.4
72.2	69.3	69.8	69.3	69.2	69.1	69.5	70.7	70.8	72.3	72.3	73.2	73.2	73.8	74.2
75.8	75.7	75.8	75.8	76.9	76.0	76.1	76.1	75.9	76.2	76.9	76.9	76.1	76.3	76.3
73.0	70.0	69.3	69.6	69.8	69.8	70.2	70.5	71.2	72.6	72.6	73.1	73.7	74.6	74.6
76.5	75.8	75.9	76.0	76.2	76.1	76.5	76.1	75.9	76.3	76.1	76.3	76.2	76.9	76.4
68.9	63.9	62.1	61.9	62.4	62.9	63.8	64.4	65.9	67.4	69.2	69.5	71.1	71.7	72.5
76.8	76.0	76.0	76.0	76.2	76.1	76.2	76.3	76.7	76.1	76.7	76.3	76.6	76.8	76.3
56.8	43.1	38.8	38.6	40.3	41.7	42.9	45.1	49.1	52.6	56.2	59.1	62.2	64.1	66.3
58.4	44.9	41.3	42.1	41.4	42.8	44.5	46.6	50.4	54.6	57.1	60.5	62.8	65.3	67.1
57.9	45.2	41.0	41.2	42.4	42.9	45.0	47.4	51.5	54.3	58.3	61.1	63.2	65.4	67.8
76.1	75.5	75.5	76.3	75.8	75.6	75.6	75.7	75.7	78.3	76.1	76.2	76.2	76.6	76.3
56.9	41.5	37.9	38.3	39.2	40.2	42.5	44.8	48.7	52.6	56.0	59.5	62.4	65.3	66.9
75.3	75.4	75.0	75.2	75.1	75.2	75.3	75.2	75.2	75.4	75.8	75.5	76.0	75.6	75.9
6.6	37.0	35.7	35.6	37.1	37.8	39.9	42.1	47.8	51.4	55.8	59.9	62.2	64.3	66.1
5.1	3.5	3.5	4.1	4.3	5.6	7.8	10.3	17.6	26.5	33.2	39.4	45.1	50.0	54.4
7.0	29.9	26.2	27.2	27.7	28.5	31.9	33.5	39.5	43.8	49.3	52.9	57.0	61.6	63.3
8.3	37.0	37.1	36.6	38.0	39.3	41.2	43.4	47.9	51.3	55.4	59.3	61.1	64.3	66.0
11.2	39.0	37.8	38.5	39.9	40.4	42.6	44.7	48.8	52.9	56.3	59.5	62.2	64.8	67.3

l 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 1 Min (Constant Speed Gate), Single Valve Operation

Average Piezometer Readings, Prototype Feet of Water

	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3	T=660 LC=63.5	T=720 LC=66.4	T=780 LC=68.2	T=840 LC=70.4	T=900 LC=72.4	T=1020 LC=74.3	T=1260 LC=76.5
	73.9	74.8	74.7	74.9	75.1	75.3	75.6	75.8	76.7	76.2	76.1	76.7	76.4	76.5
	76.5	76.4	77.2	77.0	76.3	76.4	76.6	76.3	76.5	76.4	76.6	76.4	76.5	76.5
	74.2	75.0	74.7	74.8	75.2	75.7	75.5	75.7	75.8	76.0	76.7	76.2	76.5	76.5
	75.9	75.7	76.0	75.8	76.0	76.2	76.0	76.2	76.0	76.7	76.0	76.0	75.9	76.5
	73.8	74.4	74.3	74.9	74.9	75.0	75.6	75.4	75.4	75.5	75.6	75.6	76.7	76.5
	76.9	76.0	76.3	76.2	76.1	76.3	76.5	77.4	76.5	76.2	76.2	76.7	76.4	76.5
	71.6	72.2	72.5	73.4	73.4	74.1	74.7	75.5	75.1	75.5	75.9	76.2	76.4	76.5
	76.3	76.6	76.1	76.0	76.1	76.1	75.8	76.4	76.6	76.3	76.4	76.8	76.5	76.5
	73.1	73.5	74.7	75.0	74.9	75.2	75.2	75.4	75.6	76.0	76.2	76.2	76.6	76.5
	76.4	77.1	76.3	76.5	76.4	76.7	76.3	76.4	76.4	76.4	76.9	76.3	76.5	76.5
	71.9	72.4	73.0	73.5	73.8	74.8	74.7	74.7	75.0	76.0	75.5	75.6	75.9	76.5
	76.0	76.3	76.1	76.1	76.2	76.1	76.7	76.3	76.2	75.8	76.0	76.1	77.0	76.5
	68.3	68.7	70.0	70.9	72.0	72.8	73.2	75.0	74.7	75.1	75.4	75.6	76.2	76.5
	77.1	77.2	76.5	76.4	76.5	76.6	76.4	77.2	76.5	76.7	76.5	76.5	76.3	76.5
	70.8	72.3	72.3	73.2	73.2	73.8	74.2	74.6	75.6	75.3	75.6	76.4	76.0	76.5
	75.9	76.2	76.9	76.9	76.1	76.3	76.3	76.5	76.5	76.8	76.3	76.5	76.7	76.5
	71.2	72.6	72.6	73.1	73.7	74.6	74.6	74.8	75.2	75.5	75.7	75.8	76.3	76.5
	75.9	76.3	76.1	76.3	76.2	76.9	76.4	76.2	76.3	78.5	77.3	76.3	77.0	76.5
	65.9	67.4	69.2	69.5	71.1	71.7	72.5	73.2	73.9	74.8	74.8	75.7	76.9	76.5
	76.7	76.1	76.7	76.3	76.6	76.8	76.3	76.2	77.1	76.4	76.4	76.5	76.5	76.5
	49.1	52.6	56.2	59.1	62.2	64.1	66.3	68.1	69.8	71.3	72.6	73.5	75.1	76.5
	50.4	54.6	57.1	60.5	62.8	65.3	67.1	69.0	71.2	72.0	73.6	71.8	75.5	76.5
	51.5	54.3	58.3	61.1	63.2	65.4	67.8	69.5	70.8	73.0	73.6	74.4	75.8	76.5
	75.7	78.3	76.1	76.2	76.2	76.6	76.3	76.5	76.5	76.5	76.5	76.3	76.5	76.5
	48.7	52.6	56.0	59.5	62.4	65.3	66.9	69.1	70.6	72.1	73.6	74.2	75.9	76.5
	75.2	75.4	75.8	75.5	76.0	75.6	75.9	76.1	75.9	76.4	76.1	76.6	77.3	76.5
	47.8	51.4	55.8	59.9	62.2	64.3	66.1	67.3	69.7	71.0	72.6	73.8	75.6	76.5
	17.6	26.5	33.2	39.4	45.1	50.0	54.4	58.9	62.7	66.1	68.6	71.1	74.6	76.5
	39.5	43.8	49.3	52.9	57.0	61.6	63.3	65.9	68.1	70.0	71.5	73.6	75.8	76.5
	47.9	51.3	55.4	59.3	61.1	64.3	66.0	68.0	70.0	71.2	73.3	73.8	75.2	76.5
	48.8	52.9	56.3	59.5	62.2	64.8	67.3	69.3	71.3	72.6	73.7	74.8	76.2	76.5

Table A13 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.8	T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	
19	22+69.1	-16.6	7.0	7.7	7.6	22.8	36.2	35.2	34.6	36.5	37.4	40.9	
20	22+76.6	-16.5	7.0	10.5	10.5	25.2	40.0	38.9	39.0	40.0	41.1	44.4	
21	22+90.6	-16.5	7.0	16.1	16.6	30.1	36.8	35.3	35.4	36.6	37.6	41.2	
21A	22+90.6	-16.5	7.0	8.7	7.1	4.3	-0.1	-2.1	0.2	2.4	4.1	8.4	
22	23+50.0	-16.5	7.0	16.6	23.6	30.9	33.8	33.1	33.9	35.3	36.3	38.4	
23	24+50.0	-16.5	7.0	14.5	21.0	26.9	31.3	31.4	32.3	34.2	35.4	38.8	
24	25+50.0	-16.5	7.0	12.8	15.9	21.6	26.3	27.6	27.9	29.4	31.1	34.4	
24A	25+50.0	-16.5	7.0	8.7	6.7	3.8	-0.3	-2.2	0.3	2.2	5.0	8.4	
25	26+04.3	-24.25	7.0	12.2	15.7	24.3	32.8	36.4	37.4	36.0	38.5	42.0	
26	25+95.9	-24.25	7.0	11.0	10.4	11.3	9.9	9.5	10.4	11.0	13.8	19.8	
27	26+09.2	-17.0	7.0	10.9	13.0	16.1	18.8	18.5	21.0	22.4	23.8	28.1	
27A	26+09.2	-17.0	7.0	9.1	6.7	3.5	-0.8	-1.9	0.5	2.3	4.9	8.5	
28	26+01.3	-20.1	7.0	8.0	3.9	-2.1	-14.3	-20.3	-16.7	-15.5	-12.1	-7.2	
29	26+12.4	-20.1	7.0	9.2	11.4	15.9	17.8	19.7	21.7	22.5	24.2	27.4	
30	25+96.0	-20.1	7.0	8.6	4.0	-3.9	-16.5	-23.7	-20.5	-17.2	-15.1	-9.6	
31	26+04.5	-20.1	7.0	9.3	11.6	14.8	18.4	19.1	21.0	23.0	24.8	27.1	
32	25+88.1	-20.1	7.0	8.0	4.9	-0.5	-15.8	-23.3	-19.5	-16.7	-13.9	-9.5	
33	25+92.6	-20.1	7.0	9.5	10.5	13.6	15.1	15.9	18.7	19.7	21.4	24.6	
34	26+01.3	-28.4	7.0	8.1	6.6	3.7	-0.8	-2.7	-0.3	1.4	4.0	8.3	
35	26+12.4	-28.4	7.0	8.4	6.8	3.7	-1.4	-3.1	-0.6	1.1	3.6	8.1	
36	25+96.0	-28.4	7.0	7.2	6.9	5.9	4.7	3.9	3.6	3.5	4.1	6.1	
37	26+04.1	-28.4	7.0	9.6	8.9	8.0	0.4	-0.7	1.0	2.3	3.8	8.9	
38	25+88.1	-28.4	7.0	8.3	7.0	3.7	-1.9	-3.5	-1.6	0.7	3.3	7.7	
39	25+92.6	-28.4	7.0	7.9	7.1	4.5	0.6	-1.4	-0.5	0.6	2.8	7.4	
40	25+75.0	-24.1	7.0	8.0	6.5	2.7	-1.4	-5.0	-3.1	0.8	2.7	5.9	
41	25+75.0	-24.1	7.0	8.2	6.6	3.7	-0.2	-1.9	2.2	2.5	3.0	9.1	
42	25+70.0	-24.0	7.0	7.8	6.9	4.0	3.1	-6.6	-0.3	1.2	2.3	4.1	
43	25+70.0	-24.0	7.0	7.8	5.5	-0.5	-7.3	-11.3	-7.8	-6.0	-0.8	2.5	
44	25+65.0	-23.1	7.0	7.9	6.6	3.0	-2.2	-2.5	2.8	1.6	3.0	9.6	
45	25+65.0	-23.1	7.0	8.4	6.8	4.6	-1.6	-1.5	3.0	4.0	4.5	7.3	
46	25+65.0	-23.1	7.0	9.3	14.2	22.1	32.1	37.5	44.5	40.0	47.0	45.7	

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24.6	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3
22.8	36.2	35.2	34.6	36.5	37.4	40.9	42.0	46.4	51.2	55.3	58.3	61.0	64.4	66.2
25.2	40.0	38.9	39.0	40.0	41.1	44.4	47.8	51.5	56.4	58.9	60.8	64.0	65.5	67.8
30.1	36.8	35.3	35.4	36.6	37.6	41.2	42.3	46.6	50.5	54.5	58.1	61.5	63.5	66.3
4.3	-0.1	-2.1	0.2	2.4	4.1	8.4	12.8	21.5	28.2	35.0	41.4	47.1	51.9	57.0
30.9	33.8	33.1	33.9	35.3	36.3	38.4	40.5	45.4	49.8	53.4	57.2	60.5	62.6	65.6
26.9	31.3	31.4	32.3	34.2	35.4	38.8	39.9	43.6	47.0	51.4	54.8	58.5	62.6	64.2
21.6	26.3	27.6	27.9	29.4	31.1	34.4	36.7	41.7	46.3	51.2	54.6	57.4	61.6	63.9
3.8	-0.3	-2.2	0.3	2.2	5.0	8.4	12.9	20.4	29.5	35.2	42.1	47.1	52.1	57.3
24.3	32.8	36.4	37.4	36.0	38.5	42.0	44.0	48.1	51.1	55.3	58.3	61.5	64.3	66.3
11.3	9.9	9.5	10.4	11.0	13.8	19.8	21.2	29.4	35.7	41.7	46.8	51.1	56.1	60.1
16.1	18.8	18.5	21.0	22.4	23.8	28.1	30.1	36.0	41.7	46.8	51.2	55.1	58.9	62.5
3.5	-0.8	-1.9	0.5	2.3	4.9	8.5	13.0	20.8	28.9	35.2	41.6	47.0	52.4	56.8
-2.1	-14.3	-20.3	-16.7	-15.5	-12.1	-7.2	-1.9	8.0	17.3	26.3	33.1	40.2	46.3	52.4
15.9	17.8	19.7	21.7	22.5	24.2	27.4	30.3	36.9	42.1	48.8	51.4	54.9	58.1	61.5
-3.9	-16.5	-23.7	-20.5	-17.2	-15.1	-9.6	-3.2	10.3	20.2	27.4	32.9	41.6	48.8	55.8
14.8	18.4	19.1	21.0	23.0	24.8	27.1	31.0	36.8	41.6	47.0	51.0	55.2	58.4	62.0
-0.5	-15.8	-23.3	-19.5	-16.7	-13.9	-9.5	-2.6	8.4	15.1	23.3	29.2	38.2	44.1	50.0
13.6	15.1	15.9	18.7	19.7	21.4	24.6	29.0	36.5	44.1	50.6	52.0	54.6	57.2	60.2
3.7	-0.8	-2.7	-0.3	1.4	4.0	8.3	12.6	21.3	28.1	35.2	40.9	46.9	51.5	55.4
3.7	-1.4	-3.1	-0.6	1.1	3.6	8.1	12.8	21.4	28.5	36.2	42.4	48.1	53.3	57.8
5.9	4.7	3.9	3.6	3.5	4.1	6.1	10.0	18.0	24.5	30.5	39.7	45.4	50.4	54.8
8.0	0.4	-0.7	1.0	2.3	3.8	8.9	10.7	16.1	24.2	32.0	38.7	45.0	50.2	54.4
3.7	-1.9	-3.5	-1.6	0.7	3.3	7.7	13.1	22.2	32.0	40.1	41.0	46.0	49.9	54.5
4.5	0.6	-1.4	-0.5	0.6	2.8	7.4	12.2	21.1	27.1	34.2	40.2	46.1	51.0	55.7
2.7	-1.4	-5.0	-3.1	0.8	2.7	5.9	11.4	20.5	29.3	36.0	42.9	49.4	55.6	60.8
3.7	-0.2	-1.9	2.2	2.5	3.0	9.1	12.8	22.2	30.7	38.6	43.8	48.6	52.2	56.6
4.0	3.1	-6.6	-0.3	1.2	2.3	4.1	6.1	16.0	28.1	31.1	37.2	44.2	50.1	54.4
-0.5	-7.3	-11.3	-7.8	-6.0	-0.8	2.5	5.8	17.0	24.4	32.3	38.2	44.0	49.7	55.0
3.0	-2.2	-2.5	2.8	1.6	3.0	9.6	16.9	20.6	29.2	35.5	42.9	48.5	52.7	58.8
4.6	-1.6	-1.5	3.0	4.0	4.5	7.3	13.0	23.1	29.7	36.0	40.5	46.4	51.2	55.6
22.1	32.1	37.5	44.5	40.0	47.0	45.7	50.8	57.3	58.7	59.6	61.8	63.9	65.2	67.8

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3	T=660 LC=63.5	T=720 LC=66.4	T=780 LC=68.2	T=840 LC=70.4	T=900 LC=72.4	T=1020 LC=74.3	T=1260 LC=76.5
46.4	51.2	55.3	58.3	61.0	64.4	66.2	68.5	70.6	71.7	73.0	74.5	75.6	76.5
51.5	56.4	58.9	60.8	64.0	65.5	67.8	69.4	70.4	71.4	72.6	74.1	75.2	76.5
46.6	50.5	54.5	58.1	61.5	63.5	66.3	68.5	70.0	71.6	73.2	74.4	75.9	76.5
21.5	28.2	35.0	41.4	47.1	51.9	57.0	60.6	64.7	67.0	69.7	71.8	74.6	76.5
45.4	49.8	53.4	57.2	60.5	62.6	65.6	68.1	69.8	71.3	72.3	73.9	75.4	76.5
43.6	47.0	51.4	54.8	58.5	62.6	64.2	66.7	69.2	70.6	72.0	73.4	75.1	76.5
41.7	46.3	51.2	54.6	57.4	61.6	63.9	66.2	68.6	70.8	72.1	73.3	75.4	76.5
20.4	29.5	35.2	42.1	47.1	52.1	57.3	60.9	64.3	67.3	70.1	72.5	75.4	76.5
48.1	51.1	55.3	58.3	61.5	64.3	66.3	68.5	70.0	71.7	72.9	74.4	75.5	76.5
29.4	35.7	41.7	46.8	51.1	56.1	60.1	63.7	65.9	68.4	71.1	72.5	75.6	76.5
36.0	41.7	46.8	51.2	55.1	58.9	62.5	65.2	68.5	69.8	71.7	73.3	75.6	76.5
20.8	28.9	35.2	41.6	47.0	52.4	56.8	60.8	64.2	67.4	69.9	72.1	75.1	76.5
8.0	17.3	26.3	33.1	40.2	46.3	52.4	57.0	61.7	65.1	68.4	71.3	74.2	76.5
36.9	42.1	48.8	51.4	54.9	58.1	61.5	64.5	67.5	69.5	71.4	72.9	75.2	76.5
10.3	20.2	27.4	32.9	41.6	48.8	55.8	61.6	63.7	65.0	66.6	69.0	73.6	76.5
36.8	41.6	47.0	51.0	55.2	58.4	62.0	64.7	67.3	69.6	71.7	73.2	75.3	76.5
8.4	15.1	23.3	29.2	38.2	44.1	50.0	55.9	59.7	64.2	67.1	70.1	74.0	76.5
36.5	44.1	50.6	52.0	54.6	57.2	60.2	63.7	66.0	68.7	71.0	72.7	75.0	76.5
21.3	28.1	35.2	40.9	46.9	51.5	55.4	60.2	63.6	66.9	69.5	71.9	74.6	76.5
21.4	28.5	36.2	42.4	48.1	53.3	57.8	62.5	65.7	68.5	69.9	72.0	74.8	76.5
18.0	24.5	30.5	39.7	45.4	50.4	54.8	59.4	63.0	66.2	68.3	70.6	74.0	76.5
16.1	24.2	32.0	38.7	45.0	50.2	54.4	59.0	62.9	66.4	69.1	71.3	74.8	76.5
22.2	32.0	40.1	41.0	46.0	49.9	54.5	59.6	62.5	65.9	68.8	71.3	74.5	76.5
21.1	27.1	34.2	40.2	46.1	51.0	55.7	60.1	63.7	66.5	69.5	71.5	74.6	76.5
20.5	29.3	36.0	42.9	49.4	55.6	60.8	64.5	66.6	67.9	70.1	71.7	74.7	76.5
22.2	30.7	38.6	43.8	48.6	52.2	56.6	62.3	66.6	68.5	70.6	71.8	75.0	76.5
16.0	28.1	31.1	37.2	44.2	50.1	54.4	57.9	61.8	66.3	68.3	70.7	74.3	76.5
17.0	24.4	32.3	38.2	44.0	49.7	55.0	59.0	62.1	66.0	68.6	71.2	74.4	76.5
20.6	29.2	35.5	42.9	48.5	52.7	58.8	62.4	66.2	68.1	70.0	72.1	75.2	76.5
23.1	29.7	36.0	40.5	46.4	51.2	55.6	59.3	63.2	66.4	68.9	70.8	74.4	76.5
57.3	58.7	59.6	61.8	63.9	65.2	67.8	69.2	69.9	72.1	72.7	73.4	75.2	76.5

Table A13 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.8	T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5
47	25+60.0	-22.7	7.0	8.3	7.2	4.6	3.1	2.3	0.1	6.6	5.3	9.5
48	25+60.0	-22.7	7.0	8.1	7.2	4.7	1.1	2.4	3.6	7.2	8.7	11.6
49	25+60.0	-22.7	7.0	8.3	8.4	7.9	3.9	4.7	7.6	8.2	10.0	13.6
50	25+60.0	-22.7	7.0	8.5	8.6	8.2	6.0	4.6	9.8	7.8	9.3	12.0
51	25+50.0	-22.1	7.0	8.1	8.2	6.4	5.3	9.1	7.3	10.9	15.2	18.3
52	25+50.0	-22.1	7.0	8.5	8.3	7.3	5.4	8.2	7.9	9.2	15.0	16.5
53	25+50.0	-22.1	7.0	8.8	9.8	11.6	11.8	12.7	16.5	15.7	19.3	23.2
54	25+50.0	-22.1	7.0	8.4	8.8	9.8	15.0	13.3	14.3	14.9	16.0	21.0
55	25+40.0	-21.5	7.0	7.7	7.6	9.4	9.0	13.3	15.2	16.9	18.3	22.7
56	25+40.0	-21.5	7.0	7.5	7.5	8.3	9.8	12.1	14.3	15.7	17.3	20.9
57	25+40.0	-21.5	7.0	8.0	10.2	11.9	13.8	15.6	17.0	19.4	21.5	25.8
58	25+40.0	-21.5	7.0	8.1	10.1	11.7	14.0	16.9	17.2	20.3	22.1	25.2
59	25+30.0	-20.9	7.0	8.0	8.2	9.1	10.9	14.7	16.3	17.6	20.3	23.2
60	25+30.0	-20.9	7.0	7.6	7.5	8.8	9.1	12.6	15.3	16.2	17.6	20.9
61	25+30.0	-20.9	7.0	7.9	9.9	11.3	12.7	15.0	15.8	18.0	20.3	23.6
62	25+30.0	-20.9	7.0	8.2	10.5	13.3	16.3	20.2	21.2	23.3	23.5	28.5
63	25+25.0	-20.9	7.0	8.0	8.9	10.7	13.7	16.3	18.1	19.6	21.7	26.1
64	25+25.0	-20.6	7.0	7.4	7.3	8.3	9.2	11.7	14.0	15.9	17.2	20.8
65	25+25.0	-20.6	7.0	7.8	8.6	8.5	7.5	8.7	11.1	11.9	14.3	18.3
66	25+25.0	-20.6	7.0	8.0	11.4	15.4	19.4	23.7	26.1	25.6	27.6	31.6
68	25+23.0	-20.6	7.0	7.2	7.9	8.9	10.6	12.4	14.1	16.1	18.0	21.7
69	25+23.0	-20.6	7.0	8.1	8.8	9.5	9.7	11.6	13.3	14.7	17.5	20.8
70	25+23.0	-20.6	7.0	8.1	10.9	14.5	19.5	22.1	24.1	25.4	26.7	30.6
71	25+10.2	-24.25	7.0	7.5	10.3	13.5	18.0	19.9	22.2	23.6	25.5	30.1
71A	25+10.2	-24.25	7.0	7.7	8.0	9.3	10.8	12.8	14.7	16.8	18.3	21.8
72	25+00.2	-24.25	7.0	7.6	10.6	14.3	19.9	22.4	24.4	26.3	27.5	30.8
73	24+90.2	-24.25	7.0	8.0	11.4	16.3	23.3	26.7	28.9	30.6	32.0	35.6
74	24+80.2	-24.25	7.0	7.6	10.9	16.5	24.3	27.9	29.7	31.6	32.6	35.3
75	24+70.2	-24.25	7.0	7.5	10.7	16.9	25.3	30.0	32.6	32.8	34.5	37.4
76	24+60.2	-24.25	7.0	7.3	10.8	17.9	26.8	31.1	33.4	34.6	35.8	39.8
77	24+50.2	-24.25	7.0	7.0	9.8	15.4	23.6	28.9	31.4	32.8	34.3	36.8

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24.6	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60
4.6	3.1	2.3	0.1	6.6	5.3	9.5	19.0	23.0	29.8	40.2	41.7	49.9	53.6	56.5
4.7	1.1	2.4	3.6	7.2	8.7	11.6	18.6	24.3	29.7	38.6	43.7	50.1	53.7	57.2
7.9	3.9	4.7	7.6	8.2	10.0	13.6	17.9	24.6	33.8	38.6	44.8	49.8	54.5	58.2
8.2	6.0	4.6	9.8	7.8	9.3	12.0	19.8	25.3	33.6	38.1	44.4	48.3	54.1	59.4
6.4	5.3	9.1	7.3	10.9	15.2	18.3	21.6	28.1	34.4	40.6	45.7	50.4	55.1	59.2
7.3	5.4	8.2	7.9	9.2	15.0	18.5	22.0	28.7	33.4	39.8	45.3	50.1	54.9	58.2
11.6	11.8	12.7	16.5	15.7	19.3	23.2	27.2	33.9	39.0	41.5	46.2	50.6	55.0	58.9
9.8	15.0	13.3	14.3	14.9	16.0	21.0	23.1	29.6	36.7	42.4	47.3	53.2	56.9	60.2
9.4	9.0	13.3	15.2	16.9	18.3	22.7	23.7	32.4	37.6	43.4	47.6	52.4	56.9	60.1
8.3	9.8	12.1	14.3	15.7	17.3	20.9	23.8	31.8	37.3	43.0	48.0	52.6	56.4	59.8
11.9	13.8	15.6	17.0	19.4	21.5	25.8	28.8	34.1	39.5	44.9	49.9	54.4	58.5	60.9
11.7	14.0	16.9	17.2	20.3	22.1	25.2	29.9	34.2	41.2	46.1	51.3	55.9	59.9	63.1
9.1	10.9	14.7	16.3	17.6	20.3	23.2	27.0	32.7	39.5	43.8	49.1	53.9	58.0	60.9
8.8	9.1	12.6	15.3	16.2	17.6	20.9	23.7	31.6	38.0	42.5	47.8	52.5	56.6	60.3
11.3	12.7	15.0	15.8	18.0	20.3	23.6	27.8	33.3	39.2	44.6	50.0	53.8	58.1	61.0
13.3	16.3	20.2	21.2	23.3	23.5	28.5	31.9	36.5	41.3	46.3	51.0	55.4	59.1	62.0
10.7	13.7	16.3	18.1	19.6	21.7	26.1	28.7	34.6	40.8	45.2	49.8	54.4	58.0	61.4
8.3	9.2	11.7	14.0	15.9	17.2	20.8	23.8	30.6	36.9	41.6	47.7	52.4	56.8	60.4
8.5	7.5	8.7	11.1	11.9	14.3	18.3	22.1	28.8	35.5	41.0	46.8	51.3	55.9	59.2
15.4	19.4	23.7	26.1	25.6	27.6	31.6	33.7	39.1	44.4	48.3	52.8	56.1	60.5	62.8
8.9	10.6	12.4	14.1	16.1	18.0	21.7	24.8	31.4	37.6	43.4	48.1	52.6	56.9	60.4
9.5	9.7	11.6	13.3	14.7	17.5	20.8	25.0	30.7	37.7	43.4	48.6	52.4	57.2	60.3
14.5	19.5	22.1	24.1	25.4	26.7	30.6	32.8	38.6	43.3	48.2	52.1	56.5	59.8	62.7
13.5	18.0	19.9	22.2	23.6	25.5	30.1	31.8	35.4	40.6	47.2	51.4	55.9	59.7	62.5
9.3	10.8	12.8	14.7	16.8	18.3	21.8	24.4	32.0	37.7	43.6	48.5	52.6	56.3	58.7
14.3	19.9	22.4	24.4	26.3	27.5	30.8	33.8	39.2	43.9	49.0	52.9	56.8	60.1	63.2
16.3	23.3	26.7	28.9	30.6	32.0	35.6	38.2	43.5	49.5	54.6	60.8	62.2	63.0	64.2
16.5	24.3	27.9	29.7	31.6	32.6	35.3	38.0	42.6	47.3	51.3	55.3	58.4	61.6	64.5
16.9	25.3	30.0	32.6	32.8	34.5	37.4	41.0	44.3	48.6	52.2	55.8	60.6	62.1	65.6
17.9	26.8	31.1	33.4	34.6	35.8	39.8	40.5	45.0	49.6	53.1	56.8	60.5	62.5	65.2
15.4	23.6	28.9	31.4	32.8	34.3	36.8	39.4	44.1	47.7	51.8	55.5	58.1	61.1	63.9

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3	T=660 LC=63.5	T=720 LC=66.4	T=780 LC=68.2	T=840 LC=70.4	T=900 LC=72.4	T=1020 LC=74.3	T=1260 LC=76.5
23.0	29.8	40.2	41.7	49.9	53.6	56.5	62.0	64.3	67.2	70.1	72.0	74.8	76.5
24.3	29.7	38.6	43.7	50.1	53.7	57.2	61.7	64.4	67.6	70.4	72.2	74.9	76.5
24.6	33.8	38.6	44.8	49.8	54.5	58.2	62.0	64.7	68.0	70.0	72.2	74.7	76.5
25.3	33.6	38.1	44.4	48.3	54.1	59.4	61.2	64.2	68.0	69.4	72.7	74.8	76.5
28.1	34.4	40.6	45.7	50.4	55.1	59.2	62.7	65.9	68.5	70.5	72.4	74.9	76.5
28.7	33.4	39.8	45.3	50.1	54.9	58.2	61.6	65.3	68.2	70.3	72.3	74.6	76.5
33.9	39.0	41.5	46.2	50.6	55.0	58.9	62.2	65.4	67.8	69.8	71.6	74.3	76.5
29.6	36.7	42.4	47.3	53.2	56.9	60.2	63.0	66.4	68.4	70.7	72.8	75.0	76.5
32.4	37.6	43.4	47.6	52.4	56.9	60.1	63.9	66.6	69.0	71.0	73.0	75.3	76.5
31.8	37.3	43.0	48.0	52.6	56.4	59.8	63.4	66.2	68.9	70.7	72.5	75.2	76.5
34.1	39.5	44.9	49.9	54.4	58.5	60.9	64.5	67.3	69.4	71.6	73.2	75.2	76.5
34.2	41.2	46.1	51.3	55.9	59.9	63.1	66.7	69.7	72.1	73.9	74.6	76.2	76.5
32.7	39.5	43.8	49.1	53.9	58.0	60.9	64.2	67.0	69.2	71.4	73.0	75.2	76.5
31.6	38.0	42.5	47.8	52.5	56.6	60.3	63.2	66.3	69.0	70.8	72.7	75.0	76.5
33.3	39.2	44.6	50.0	53.8	58.1	61.0	64.2	67.2	69.3	71.5	73.2	75.4	76.5
36.5	41.3	46.3	51.0	55.4	59.1	62.0	65.4	67.9	70.0	71.9	73.3	75.3	76.5
34.6	40.8	45.2	49.8	54.4	58.0	61.4	64.4	66.9	69.6	71.4	72.9	75.1	76.5
30.6	36.9	41.6	47.7	52.4	56.8	60.4	63.3	66.1	68.7	70.9	72.7	75.0	76.5
28.8	35.5	41.0	46.8	51.3	55.9	59.2	63.0	66.0	68.2	70.5	72.3	74.8	76.5
39.1	44.4	48.3	52.8	56.1	60.5	62.8	66.5	68.2	70.6	72.1	73.6	75.4	76.5
31.4	37.6	43.4	48.1	52.6	56.9	60.4	63.6	66.5	68.9	71.1	72.8	75.3	76.5
30.7	37.7	43.4	48.6	52.4	57.2	60.3	63.7	66.6	68.9	71.0	72.9	75.2	76.5
38.6	43.3	48.2	52.1	56.5	59.8	62.7	65.5	68.0	70.3	71.6	73.0	75.1	76.5
35.4	40.6	47.2	51.4	55.9	59.7	62.5	65.1	67.3	69.3	71.0	72.4	74.6	76.5
32.0	37.7	43.6	48.5	52.6	56.3	58.7	61.4	63.1	64.5	71.3	73.0	75.9	76.5
39.2	43.9	49.0	52.9	56.8	60.1	63.2	65.9	68.1	70.2	72.4	73.6	75.6	76.5
43.5	49.5	54.6	60.8	62.2	63.0	64.2	66.2	68.2	69.9	71.7	73.2	75.2	76.5
42.6	47.3	51.3	55.3	58.4	61.6	64.5	66.9	68.9	70.9	72.5	73.6	75.5	76.5
44.3	48.6	52.2	55.8	60.6	62.1	65.6	68.0	69.4	71.3	72.6	74.3	75.9	76.5
45.0	49.6	53.1	56.8	60.5	62.5	65.2	68.2	69.4	71.3	73.2	73.8	76.0	76.5
44.1	47.7	51.8	55.5	58.1	61.1	63.9	66.1	68.7	69.8	72.5	73.1	75.8	76.5

Table A13 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.8	T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T= LC
78	24+40.2	-24.25	7.0	7.1	11.1	18.3	28.1	33.1	35.2	36.7	37.9	40.5	42
79	24+30.2	-24.25	7.0	7.3	10.9	18.0	28.7	34.2	36.6	37.4	38.5	39.5	41
79A	24+30.2	-24.25	7.0	7.3	8.8	10.9	13.8	16.1	17.8	19.8	21.6	24.6	28
80	26+17.0	-28.4	7.0	8.7	5.1	-2.2	-13.6	-16.6	-12.5	-10.9	-7.7	-2.4	1.0
81	26+06.0	-28.4	7.0	9.8	11.3	14.3	16.2	16.3	18.9	21.5	23.5	25.2	28
82	26+22.4	-28.4	7.0	8.1	4.6	-2.5	-11.4	-16.5	-12.0	-11.1	-8.1	-2.2	2.0
83	26+13.9	-28.4	7.0	9.3	11.0	13.3	16.7	16.5	19.3	19.5	22.0	26.5	28
84	26+30.3	-28.4	7.0	7.9	4.5	-2.4	-12.2	-16.7	-13.7	-12.4	-9.5	-2.5	3.0
85	26+25.7	-28.4	7.0	9.0	10.6	12.7	15.0	15.4	17.3	17.4	19.7	24.5	27
86	26+17.0	-20.1	7.0	7.9	6.6	3.2	-0.5	-2.1	0.0	1.6	4.2	8.5	12
87	26+06.0	-20.1	7.0	8.1	6.8	3.5	-0.7	-2.6	-0.1	1.7	4.1	8.6	12
88	26+22.4	-20.1	7.0	7.8	6.9	3.3	-0.8	-2.7	-0.1	1.3	3.8	8.2	12
89	26+13.9	-20.1	7.0	7.9	6.8	3.6	-0.9	-2.7	-0.3	1.2	3.7	8.2	12
90	26+30.3	-20.1	7.0	8.0	6.9	3.2	-1.4	-3.1	-0.6	1.1	3.3	8.0	12
91	26+25.7	-20.1	7.0	7.8	6.9	4.2	2.2	1.0	1.5	1.6	3.6	8.1	12
92	26+43.3	-24.1	7.0	7.9	6.9	3.5	-0.5	-1.6	-1.0	0.6	3.8	7.6	12
93	26+43.3	-24.1	7.0	7.9	7.1	3.7	-0.6	-2.0	1.6	1.9	4.9	7.5	10
94	26+48.3	-24.0	7.0	7.9	6.9	3.0	0.1	-3.4	-1.3	0.0	4.5	12.2	12
95	26+48.3	-24.0	7.0	7.8	6.0	0.2	-3.4	-4.0	-2.4	-1.2	0.2	6.5	11
96	26+53.3	-23.1	7.0	7.7	6.3	5.0	-0.2	2.0	4.7	4.0	5.5	10.4	18
97	26+53.3	-23.1	7.0	8.1	6.1	1.0	-3.1	-2.8	0.3	2.7	3.9	12.7	17
98	26+53.3	-23.1	7.0	8.8	13.0	20.4	35.0	31.7	35.6	40.2	40.3	42.3	39
99	26+58.3	-22.7	7.0	7.8	6.9	5.1	2.5	4.2	7.0	7.7	12.9	12.9	21
100	26+58.3	-22.7	7.0	8.3	6.7	6.6	-2.0	-0.5	-0.1	5.2	6.7	8.3	16
101	26+58.3	-22.7	7.0	8.1	7.5	6.4	3.0	1.7	6.3	6.9	9.5	14.4	20
102	26+58.3	-22.7	7.0	8.4	7.8	7.6	2.3	1.2	8.3	8.2	10.3	15.2	21
103	26+68.3	-22.1	7.0	7.7	7.5	7.5	8.9	10.2	10.2	9.4	12.6	17.4	20
104	26+68.3	-22.1	7.0	8.0	7.0	7.9	8.9	11.3	7.4	11.8	14.3	15.0	20
105	26+68.3	-22.1	7.0	8.5	9.1	10.8	8.9	10.9	13.5	13.2	18.3	20.5	25
106	26+68.3	-22.1	7.0	8.5	8.1	10.6	7.8	11.8	13.3	15.9	17.2	21.8	28
107	26+78.3	-21.5	7.0	8.1	8.5	10.1	11.9	12.0	14.2	15.6	17.4	20.9	24

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24.6	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.:
18.3	28.1	33.1	35.2	36.7	37.9	40.5	42.3	46.8	50.5	54.2	57.7	60.6	63.2	65.6
18.0	28.7	34.2	36.6	37.4	38.5	39.5	41.5	45.9	50.4	53.9	57.1	60.4	63.1	65.9
10.9	13.8	16.1	17.8	19.8	21.6	24.6	28.0	34.0	39.8	44.7	49.6	53.7	57.7	61.2
-2.2	-13.6	-16.6	-12.5	-10.9	-7.7	-2.4	1.0	13.3	21.8	27.8	36.0	44.2	49.5	53.7
14.3	16.2	16.3	18.9	21.5	23.5	25.2	28.0	36.0	40.4	44.7	48.8	53.6	57.4	60.9
-2.5	-11.4	-16.5	-12.0	-11.1	-8.1	-2.2	2.0	13.1	21.2	27.9	36.6	43.2	49.2	54.1
13.3	16.7	16.5	19.3	19.5	22.0	26.5	28.0	35.7	40.7	45.0	50.4	54.3	58.7	61.6
-2.4	-12.2	-16.7	-13.7	-12.4	-9.5	-2.5	3.0	11.8	19.8	28.2	36.6	42.8	49.3	54.0
12.7	15.0	15.4	17.3	17.4	19.7	24.5	27.9	33.7	39.8	44.1	49.4	54.0	58.2	61.4
3.2	-0.5	-2.1	0.0	1.6	4.2	8.5	12.9	21.1	28.7	34.9	41.7	47.2	52.2	56.9
3.5	-0.7	-2.6	-0.1	1.7	4.1	8.6	12.9	21.0	28.8	35.4	41.7	47.2	52.2	56.9
3.3	-0.8	-2.7	-0.1	1.3	3.8	8.2	12.6	20.9	28.7	35.1	41.5	47.4	52.2	56.9
3.6	-0.9	-2.7	-0.3	1.2	3.7	8.2	12.6	20.9	28.8	35.1	41.6	47.3	52.4	56.7
3.2	-1.4	-3.1	-0.6	1.1	3.3	8.0	12.4	20.5	28.3	35.1	41.6	47.1	52.0	56.6
4.2	2.2	1.0	1.5	1.6	3.6	8.1	12.1	20.7	28.0	34.9	41.3	47.2	52.2	57.0
3.5	-0.5	-1.6	-1.0	0.6	3.8	7.6	12.4	19.1	28.0	35.3	40.2	47.3	52.8	56.2
3.7	-0.6	-2.0	1.6	1.9	4.9	7.5	10.4	18.9	28.3	34.2	40.5	46.8	51.5	55.8
3.0	0.1	-3.4	-1.3	0.0	4.5	12.2	12.8	25.7	24.7	33.1	41.4	46.6	50.6	56.2
0.2	-3.4	-4.0	-2.4	-1.2	0.2	6.5	11.2	19.4	26.7	35.1	41.2	46.7	51.9	55.5
5.0	-0.2	2.0	4.7	4.0	5.5	10.4	18.9	23.7	29.2	36.3	44.0	48.6	54.3	56.9
1.0	-3.1	-2.8	0.3	2.7	3.9	12.7	17.2	20.3	24.7	35.3	42.0	44.4	52.3	57.2
20.4	35.0	31.7	35.6	40.2	40.3	42.3	39.9	48.9	53.8	57.6	58.8	63.5	67.2	68.6
5.1	2.5	4.2	7.0	7.7	12.9	12.9	21.8	23.4	37.9	43.0	46.2	52.1	58.8	63.2
6.6	-2.0	-0.5	-0.1	5.2	6.7	8.3	16.3	27.4	29.4	36.5	43.0	48.5	52.8	58.5
6.4	3.0	1.7	6.3	6.9	9.5	14.4	20.1	24.2	30.5	39.5	44.2	48.3	54.4	58.9
7.6	2.3	1.2	8.3	8.2	10.3	15.2	21.8	23.7	30.9	39.2	45.5	50.3	53.8	60.9
7.5	8.9	10.2	10.2	9.4	12.6	17.4	20.4	29.2	37.0	43.2	49.8	52.5	54.9	57.9
7.9	8.9	11.3	7.4	11.8	14.3	15.0	20.3	28.8	36.8	41.8	46.0	51.9	56.7	59.7
10.8	8.9	10.9	13.5	13.2	18.3	20.5	25.0	29.5	37.1	43.9	47.9	52.6	57.1	60.6
10.6	7.8	11.8	13.3	15.9	17.2	21.8	28.7	32.6	39.2	45.0	50.5	52.8	53.8	58.3
10.1	11.9	12.0	14.2	15.6	17.4	20.9	24.6	33.2	39.0	42.5	48.4	52.9	56.7	60.8

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3	T=660 LC=63.5	T=720 LC=66.4	T=780 LC=68.2	T=840 LC=70.4	T=900 LC=72.4	T=1020 LC=74.3	T=1260 LC=76.5
46.8	50.5	54.2	57.7	60.6	63.2	65.6	67.9	69.7	71.4	72.9	74.1	75.6	76.5
45.9	50.4	53.9	57.1	60.4	63.1	65.9	67.7	69.7	71.5	73.0	74.1	75.6	76.5
34.0	39.8	44.7	49.6	53.7	57.7	61.2	64.4	67.1	69.2	71.0	72.7	75.1	76.5
13.3	21.8	27.8	36.0	44.2	49.5	53.7	58.8	63.1	66.6	69.3	71.5	74.7	76.5
36.0	40.4	44.7	48.8	53.6	57.4	60.9	63.7	66.7	69.1	71.1	72.4	75.0	76.5
13.1	21.2	27.9	36.6	43.2	49.2	54.1	59.0	62.6	66.1	69.0	71.7	74.9	76.5
35.7	40.7	45.0	50.4	54.3	58.7	61.6	64.8	67.3	70.0	71.7	73.4	75.6	76.5
11.8	19.8	28.2	36.6	42.8	49.3	54.0	59.3	62.8	65.9	69.3	71.7	75.0	76.5
33.7	39.8	44.1	49.4	54.0	58.2	61.4	64.6	67.0	69.0	71.3	72.9	75.1	76.5
21.1	28.7	34.9	41.7	47.2	52.2	56.9	60.7	64.4	67.3	69.9	72.0	75.0	76.5
21.0	28.8	35.4	41.7	47.2	52.2	56.9	60.8	64.6	67.4	69.8	72.0	75.0	76.5
20.9	28.7	35.1	41.5	47.4	52.2	56.9	60.8	64.2	67.2	70.0	71.9	74.9	76.5
20.9	28.8	35.1	41.6	47.3	52.4	56.7	60.9	64.2	66.9	70.0	72.1	74.9	76.5
20.5	28.3	35.1	41.6	47.1	52.0	56.6	60.9	64.1	67.2	69.9	71.9	75.1	76.5
20.7	28.0	34.9	41.3	47.2	52.2	57.0	60.8	64.6	67.8	70.1	72.5	75.2	76.5
19.1	28.0	35.3	40.2	47.3	52.8	56.2	60.5	64.4	67.1	70.1	72.0	74.7	76.5
18.9	28.3	34.2	40.5	46.8	51.5	55.8	59.9	64.0	67.2	69.8	72.2	75.0	76.5
25.7	24.7	33.1	41.4	46.6	50.6	56.2	59.9	63.8	66.3	69.3	72.2	74.7	76.5
19.4	26.7	35.1	41.2	46.7	51.9	55.5	61.0	63.7	66.8	69.2	71.5	74.7	76.5
23.7	29.2	36.3	44.0	48.6	54.3	56.9	62.4	64.5	67.5	70.6	72.0	74.9	76.5
20.3	24.7	35.3	42.0	44.4	52.3	57.2	60.3	65.3	67.0	69.6	71.8	74.8	76.5
48.9	53.8	57.6	58.8	63.5	67.2	68.6	71.1	72.8	74.2	74.9	75.3	76.0	76.5
23.4	37.9	43.0	46.2	52.1	58.8	63.2	67.9	69.0	69.3	69.2	69.5	70.8	76.5
27.4	29.4	36.5	43.0	48.5	52.8	58.5	61.5	65.0	67.3	70.3	72.0	74.3	76.5
24.2	30.5	39.5	44.2	48.3	54.4	58.9	61.5	65.6	67.8	70.1	72.1	75.1	76.5
23.7	30.9	39.2	45.5	50.3	53.8	60.9	60.9	66.0	67.1	71.4	72.5	75.1	76.5
29.2	37.0	43.2	49.8	52.5	54.9	57.9	61.2	64.7	67.2	70.0	71.6	74.7	76.5
28.8	36.8	41.8	46.0	51.9	56.7	59.7	62.9	66.3	68.5	70.9	72.7	75.2	76.5
29.5	37.1	43.9	47.9	52.6	57.1	60.6	63.3	66.5	69.6	71.3	73.2	75.0	76.5
32.6	39.2	45.0	50.5	52.8	53.8	58.3	61.7	65.0	67.8	70.2	72.4	74.9	76.5
33.2	39.0	42.5	48.4	52.9	56.7	60.8	63.8	66.4	68.6	70.8	72.8	75.0	76.5

Table A13 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.8	T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T= LC
108	26+78.3	-21.5	7.0	7.6	8.2	9.2	11.0	13.0	14.7	16.9	18.7	22.5	25.
109	26+78.3	-21.5	7.0	8.2	9.2	11.8	12.7	15.1	17.4	17.9	20.3	23.7	27.
110	26+78.3	-21.5	7.0	8.5	9.4	11.0	12.1	13.8	15.7	18.0	20.6	25.1	28.
111	26+88.3	-20.9	7.0	7.9	8.8	11.0	12.6	15.0	16.2	18.7	19.7	23.6	26.
112	26+88.3	-20.9	7.0	7.9	8.6	10.0	10.2	11.9	14.9	16.9	19.4	22.0	24.
113	26+88.3	-20.9	7.0	8.5	9.0	10.3	12.3	13.1	15.8	17.0	18.4	22.3	26.
114	26+88.3	-20.9	7.0	8.3	10.0	12.8	18.2	18.9	21.4	22.4	25.1	28.3	32.
115	26+93.3	-20.6	7.0	7.9	8.5	11.4	14.5	16.8	18.7	20.2	20.9	25.4	28.
116	26+93.3	-20.6	7.0	8.1	8.2	9.3	10.4	12.9	14.6	16.7	18.1	21.8	24.
117	26+93.3	-20.6	7.0	7.9	8.0	8.7	7.4	9.2	11.9	12.7	14.7	19.3	23.
118	26+93.3	-20.6	7.0	8.2	10.2	13.9	20.8	20.4	23.4	24.2	26.1	28.8	32.
119	26+95.3	-20.6	7.0	7.7	8.6	11.2	14.3	16.7	18.5	20.4	21.1	25.5	28.
120	26+95.3	-20.6	7.0	7.7	8.1	10.0	10.7	13.0	14.8	16.6	18.8	22.4	26.
121	26+95.3	-20.6	7.0	8.2	7.7	8.0	8.8	10.6	13.1	16.5	17.9	22.1	27.
122	26+95.3	-20.6	7.0	8.0	10.0	13.3	18.5	19.4	23.2	23.1	25.2	28.8	31.
123	27+08.1	-24.25	7.0	8.0	9.6	11.7	16.4	17.8	18.7	21.1	23.1	25.7	28.
123A	27+08.1	-24.25	7.0	8.5	8.6	10.2	12.6	14.5	15.6	18.0	19.8	23.1	25.
124	27+18.1	-24.25	7.0	7.8	10.0	12.9	17.9	20.7	23.3	23.4	25.5	28.0	33.
125	27+28.1	-24.25	7.0	7.6	10.0	14.4	19.9	22.5	24.2	25.4	27.2	31.3	32.
126	27+38.1	-24.25	7.0	7.3	9.3	13.8	20.4	22.5	24.6	26.0	27.2	30.2	33.
127	27+48.1	-24.25	7.0	7.9	10.0	14.4	21.3	25.2	26.2	28.3	29.4	32.3	34.
128	27+58.1	-24.25	7.0	7.4	10.2	14.6	22.2	25.3	27.4	29.0	29.5	33.6	35.
129	27+68.1	-24.25	7.0	7.1	9.9	14.6	23.3	27.2	28.1	29.9	30.6	33.9	36.
130	27+78.1	-24.25	7.0	7.7	8.4	11.8	18.1	22.8	23.9	25.9	27.2	30.0	32.
131	27+88.1	-24.25	7.0	7.2	9.7	15.0	23.4	28.1	29.1	30.3	31.1	34.0	38.
131A	27+88.1	-24.25	7.0	7.4	8.9	11.7	15.0	16.8	18.2	19.9	21.4	26.2	28.
132	26+14.0	-24.25	7.0	11.8	15.5	23.7	31.1	35.3	36.1	35.3	36.3	41.1	42.
133	26+22.5	-24.25	7.0	11.2	14.7	22.8	29.0	33.6	34.7	33.4	34.9	38.8	40.
134	26+70.0	-17.0	7.0	12.0	15.3	23.9	31.9	34.9	35.8	36.4	37.2	41.0	42.
134A	26+70.0	-17.0	7.0	8.3	6.7	4.0	-0.4	-2.2	0.5	1.9	4.2	8.8	12.
135	27+85.0	-17.0	7.0	13.0	15.5	24.1	31.5	33.5	34.5	35.6	36.2	39.2	40.

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24.6	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3
9.2	11.0	13.0	14.7	16.9	18.7	22.5	25.5	32.6	38.3	43.4	48.5	52.7	56.9	60.2
11.8	12.7	15.1	17.4	17.9	20.3	23.7	27.4	32.7	38.9	45.2	49.3	54.0	58.3	61.1
11.0	12.1	13.8	15.7	18.0	20.6	25.1	28.6	35.0	42.8	47.6	51.9	54.9	58.6	59.5
11.0	12.6	15.0	16.2	18.7	19.7	23.6	26.8	32.2	38.4	44.2	49.7	53.3	57.0	60.4
10.0	10.2	11.9	14.9	16.9	19.4	22.0	24.5	31.0	36.6	43.1	46.5	52.2	55.9	59.4
10.3	12.3	13.1	15.8	17.0	18.4	22.3	26.5	32.7	38.4	43.0	48.4	52.9	57.1	61.2
12.8	18.2	18.9	21.4	22.4	25.1	28.3	32.2	39.4	42.6	44.4	48.2	52.5	56.7	60.1
11.4	14.5	16.8	18.7	20.2	20.9	25.4	28.6	33.1	39.4	45.3	50.2	53.5	57.6	60.6
9.3	10.4	12.9	14.6	16.7	18.1	21.8	24.6	30.8	37.0	43.1	47.3	52.4	56.4	59.4
8.7	7.4	9.2	11.9	12.7	14.7	19.3	23.3	30.2	35.9	41.3	46.2	52.0	56.1	59.6
13.9	20.8	20.4	23.4	24.2	26.1	28.8	32.8	38.5	42.4	46.9	51.3	56.2	59.5	62.3
11.2	14.3	16.7	18.5	20.4	21.1	25.5	28.8	34.1	41.2	46.6	50.8	53.9	58.0	60.3
10.0	10.7	13.0	14.8	16.6	18.8	22.4	26.0	31.9	39.4	45.9	50.6	55.3	60.2	64.0
8.0	8.8	10.6	13.1	16.5	17.9	22.1	27.0	34.1	43.9	49.6	56.4	63.0	67.6	70.2
13.3	18.5	19.4	23.2	23.1	25.2	28.8	31.4	37.2	42.7	48.0	51.9	55.7	60.5	61.9
11.7	16.4	17.8	18.7	21.1	23.1	25.7	28.9	35.4	40.4	45.7	50.8	54.1	57.8	60.9
10.2	12.6	14.5	15.6	18.0	19.8	23.1	25.8	32.9	39.8	44.0	49.1	53.0	57.1	60.5
12.9	17.9	20.7	23.3	23.4	25.5	28.0	33.1	36.6	42.1	46.8	51.6	56.7	59.0	62.8
14.4	19.9	22.5	24.2	25.4	27.2	31.3	32.9	38.2	43.4	48.0	52.7	56.6	59.5	62.8
13.8	20.4	22.5	24.6	26.0	27.2	30.2	33.3	39.3	43.1	47.6	51.9	55.9	59.4	62.8
14.4	21.3	25.2	26.2	28.3	29.4	32.3	34.9	40.0	45.3	49.4	53.2	57.0	60.1	63.1
14.6	22.2	25.3	27.4	29.0	29.5	33.6	35.2	40.4	45.0	49.9	53.0	56.6	60.9	62.7
14.6	23.3	27.2	28.1	29.9	30.6	33.9	36.5	41.6	45.4	49.3	54.2	56.1	59.6	62.3
11.8	18.1	22.8	23.9	25.9	27.2	30.0	32.8	38.3	44.3	47.4	52.3	55.7	58.9	62.3
15.0	23.4	28.1	29.1	30.3	31.1	34.0	38.3	41.9	46.1	50.1	53.9	58.9	60.7	64.1
11.7	15.0	16.8	18.2	19.9	21.4	26.2	28.3	34.4	39.9	45.1	49.8	54.5	57.7	61.4
23.7	31.1	35.3	36.1	35.3	36.3	41.1	42.1	46.6	50.6	54.5	57.7	60.6	63.9	65.6
22.8	29.0	33.6	34.7	33.4	34.9	38.8	40.3	45.7	49.8	53.5	57.3	59.6	62.8	64.9
23.9	31.9	34.9	35.8	36.4	37.2	41.0	42.4	46.9	51.7	54.4	57.7	60.4	63.5	66.3
4.0	-0.4	-2.2	0.5	1.9	4.2	8.8	12.6	20.4	27.8	33.6	40.3	45.1	50.5	55.5
24.1	31.5	33.5	34.5	35.6	36.2	39.2	40.7	45.2	49.6	53.4	58.0	61.0	63.9	65.8

age Piezometer Readings, Prototype Feet of Water

T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3	T=660 LC=63.5	T=720 LC=66.4	T=780 LC=68.2	T=840 LC=70.4	T=900 LC=72.4	T=1020 LC=74.3	T=1260 LC=76.5
32.6	38.3	43.4	48.5	52.7	56.9	60.2	63.9	66.6	69.0	70.8	72.7	75.4	76.5
32.7	38.9	45.2	49.3	54.0	58.3	61.1	64.2	67.0	69.6	71.3	72.6	75.3	76.5
35.0	42.8	47.6	51.9	54.9	56.6	59.5	61.9	65.5	67.6	70.3	71.9	74.8	76.5
32.2	38.4	44.2	49.7	53.3	57.0	60.4	63.9	66.8	69.0	71.0	72.9	74.8	76.5
31.0	36.6	43.1	46.5	52.2	55.9	59.4	62.8	65.8	68.4	70.9	72.5	75.0	76.5
32.7	38.4	43.0	48.4	52.9	57.1	61.2	63.7	66.6	69.2	71.2	72.9	75.0	76.5
39.4	42.6	44.4	48.2	52.5	56.7	60.1	63.3	66.1	68.4	70.7	72.4	74.5	76.5
33.1	39.4	45.3	50.2	53.5	57.6	60.6	64.0	66.8	69.1	71.0	72.9	74.8	76.5
30.8	37.0	43.1	47.3	52.4	56.4	59.4	63.5	65.9	68.4	71.0	72.6	74.6	76.5
30.2	35.9	41.3	46.2	52.0	56.1	59.6	63.0	66.1	68.7	70.5	72.5	75.0	76.5
38.5	42.4	46.9	51.3	56.2	59.5	62.3	65.0	67.7	69.7	71.7	72.9	75.1	76.5
34.1	41.2	46.6	50.8	53.9	58.0	60.3	64.7	67.1	69.3	70.9	72.8	74.7	76.5
31.9	39.4	45.9	50.6	55.3	60.2	64.0	68.4	68.9	69.7	70.9	72.2	75.2	76.5
34.1	43.9	49.6	56.4	63.0	67.6	70.2	72.3	73.2	73.4	75.2	75.7	76.9	76.5
37.2	42.7	48.0	51.9	55.7	60.5	61.9	65.1	67.8	70.1	71.3	72.7	75.0	76.5
35.4	40.4	45.7	50.8	54.1	57.8	60.9	63.9	66.6	69.4	70.1	72.2	74.4	76.5
32.9	39.8	44.0	49.1	53.0	57.1	60.5	63.9	66.4	69.2	71.2	73.2	75.8	76.5
36.6	42.1	46.8	51.6	56.7	59.0	62.8	65.5	67.5	69.7	71.5	73.5	75.2	76.5
38.2	43.4	48.0	52.7	56.6	59.5	62.8	66.1	67.9	69.8	72.5	73.2	75.8	76.5
39.3	43.1	47.6	51.9	55.9	59.4	62.8	65.0	67.9	69.6	71.9	72.7	74.9	76.5
40.0	45.3	49.4	53.2	57.0	60.1	63.1	66.6	68.8	70.3	72.7	74.0	76.1	76.5
40.4	45.0	49.9	53.0	56.6	60.9	62.7	65.1	67.8	70.0	71.4	72.7	74.8	76.5
41.6	45.4	49.3	54.2	56.1	59.6	62.3	64.9	67.1	69.9	71.0	72.5	74.5	76.5
38.3	44.3	47.4	52.3	55.7	58.9	62.3	65.1	67.4	70.0	71.5	73.9	76.1	76.5
41.9	46.1	50.1	53.9	58.9	60.7	64.1	66.7	68.2	70.5	72.1	74.0	75.5	76.5
34.4	39.9	45.1	49.8	54.5	57.7	61.4	64.8	66.9	69.2	71.8	72.9	76.0	76.5
46.6	50.6	54.5	57.7	60.6	63.9	65.6	68.1	70.3	71.3	72.8	74.0	75.8	76.5
45.7	49.8	53.5	57.3	59.6	62.8	64.9	67.2	68.7	70.1	72.0	73.0	74.9	76.5
46.9	51.7	54.4	57.7	60.4	63.5	66.3	67.9	70.2	71.9	73.1	74.3	75.8	76.5
20.4	27.8	33.6	40.3	45.1	50.5	55.5	59.4	62.7	66.1	68.7	70.8	74.3	76.5
45.2	49.6	53.4	58.0	61.0	63.9	65.8	68.1	70.1	71.8	72.7	73.8	76.1	76.5

Table A13 (Concluded)

Piezometer Location													
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.8	T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24
135A	27+85.0	-17.0	7.0	9.1	6.6	3.9	-0.5	-2.5	0.2	2.0	4.8	8.7	12.9
136	28+60.0	-18.0	7.0	13.5	15.2	24.6	32.4	35.1	35.8	36.9	38.1	40.4	43.8
136A	28+60.0	-18.0	7.0	8.9	6.4	4.4	-0.7	-2.6	0.0	1.9	4.3	8.6	12.6
137	28+72.0	-18.0	7.0	14.0	15.6	25.2	32.5	34.6	35.7	37.6	38.5	40.5	42.8
137A	28+72.0	-18.0	7.0	9.2	6.4	4.0	-1.2	-2.1	0.4	2.3	4.1	8.3	13.8
161	22+57.6	-24.0	7.0	4.4	-0.2	9.2	36.6	35.3	35.0	36.9	37.5	40.0	42.1
162	22+57.6	-26.4	7.0	3.0	0.7	9.0	38.1	37.0	36.7	38.5	39.2	41.6	43.8
163	22+60.6	-24.0	7.0	4.9	3.3	8.8	38.2	37.4	37.5	39.4	40.4	43.0	45.0
164	22+60.6	-26.4	7.0	3.9	2.7	12.3	41.4	40.4	40.1	41.8	42.9	45.2	47.4

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=8.8	T=60 LC=10.2	T=75 LC=12.5	T=90 LC=14.3	T=105 LC=16.2	T=120 LC=17.6	T=150 LC=21.5	T=180 LC=24.6	T=240 LC=30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3
3.9	-0.5	-2.5	0.2	2.0	4.8	8.7	12.9	-21.0	29.4	35.2	41.9	47.2	51.7	56.9
24.6	32.4	35.1	35.8	36.9	38.1	40.4	43.8	47.0	51.2	54.8	58.2	61.6	63.8	66.2
4.4	-0.7	-2.6	0.0	1.9	4.3	8.6	12.6	20.8	28.3	35.0	41.2	47.3	52.1	56.7
25.2	32.5	34.6	35.7	37.6	38.5	40.5	42.8	47.5	51.3	54.8	58.2	61.1	63.6	66.5
4.0	-1.2	-2.1	0.4	2.3	4.1	8.3	13.8	20.6	27.8	35.0	41.3	46.9	51.7	56.5
9.2	36.6	35.3	35.0	36.9	37.5	40.0	42.1	46.2	49.9	53.5	56.5	59.5	62.4	64.5
9.0	38.1	37.0	36.7	38.5	39.2	41.6	43.8	47.9	52.1	55.6	58.9	61.8	64.1	66.4
8.8	38.2	37.4	37.5	39.4	40.4	43.0	45.0	48.9	53.2	56.9	59.8	62.8	65.4	68.0
12.3	41.4	40.4	40.1	41.8	42.9	45.2	47.4	51.0	55.0	58.5	62.1	64.8	67.4	69.1

Piezometer Readings, Prototype Feet of Water

40 30.7	T=300 LC=36.9	T=360 LC=42.6	T=420 LC=47.2	T=480 LC=52.1	T=540 LC=56.0	T=600 LC=60.3	T=660 LC=63.5	T=720 LC=66.4	T=780 LC=68.2	T=840 LC=70.4	T=900 LC=72.4	T=1020 LC=74.3	T=1260 LC=76.5
)	29.4	35.2	41.9	47.2	51.7	56.9	60.7	64.0	67.1	69.7	72.2	75.2	76.5
)	51.2	54.8	58.2	61.6	63.8	66.2	68.5	70.3	71.7	73.1	74.6	75.9	76.5
)	28.3	35.0	41.2	47.3	52.1	56.7	60.8	63.8	66.9	69.7	71.7	75.1	76.5
)	51.3	54.8	58.2	61.1	63.6	66.5	68.2	70.7	71.9	72.9	74.4	75.5	76.5
)	27.8	35.0	41.3	46.9	51.7	56.5	60.5	63.9	66.8	69.5	71.7	74.8	76.5
)	49.9	53.5	56.5	59.5	62.4	64.5	67.0	68.7	70.2	71.8	72.8	75.1	76.5
)	52.1	55.6	58.9	61.8	64.1	66.4	68.4	70.2	71.5	72.8	74.0	75.5	76.5
)	53.2	56.9	59.8	62.8	65.4	68.0	70.2	72.2	73.9	75.0	75.7	76.7	76.5
)	55.0	58.5	62.1	64.8	67.4	69.1	70.4	71.4	72.8	73.9	74.9	76.0	76.5

Table A14
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper Poo

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.7	T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5
1	21+17.8	-16.0	76.5	76.4	76.2	75.8	75.6	75.1	74.3	73.7	73.0	73.2
1A	21+17.8	-16.0	76.5	76.5	76.8	76.9	76.2	76.8	75.9	76.2	76.2	76.2
2	21+25.2	-16.0	76.5	76.2	76.4	75.6	76.4	75.0	74.7	74.0	73.6	73.5
2A	21+25.2	-16.0	76.5	77.1	76.5	77.2	76.3	76.4	76.5	76.4	76.3	76.8
3	21+22.9	-16.0	76.5	76.2	76.0	75.8	75.5	74.8	74.2	74.7	73.0	73.2
3A	21+22.9	-16.0	76.5	75.5	75.5	75.5	75.5	75.5	75.5	75.2	75.7	75.5
4	21+29.5	-16.0	76.5	75.6	76.0	75.0	74.3	73.0	71.6	70.5	68.8	69.3
4A	21+29.5	-16.0	76.5	76.4	76.6	76.2	76.6	76.3	76.3	76.3	76.2	76.2
5	21+39.4	-16.0	76.5	76.3	76.6	76.2	75.2	75.2	73.5	72.6	72.0	72.3
5A	21+39.4	-16.0	76.5	76.4	76.5	76.2	77.5	76.2	76.1	76.2	76.1	76.3
6	21+36.2	-16.0	76.5	76.9	76.0	76.1	75.2	74.2	73.1	72.1	71.5	71.4
6A	21+36.2	-16.0	76.5	76.5	76.5	76.2	76.1	76.0	76.0	76.4	75.7	75.5
7	21+42.5	-16.0	76.5	75.7	75.3	74.4	73.5	71.5	69.3	66.9	65.1	65.1
7A	21+42.5	-16.0	76.5	75.4	76.3	75.7	75.7	75.6	75.7	75.8	75.6	76.0
8	21+53.8	-16.0	76.5	76.0	75.8	75.4	74.5	73.3	71.9	70.3	69.0	69.3
8A	21+53.8	-16.0	76.5	76.3	76.7	76.6	76.0	76.7	76.9	76.2	76.0	76.2
9	21+49.7	-16.0	76.5	76.5	76.0	75.4	75.9	73.5	72.0	70.6	69.6	69.3
9A	21+49.7	-16.0	76.5	75.9	75.0	75.1	75.2	75.3	76.3	75.2	75.3	75.2
10	21+55.9	-16.0	76.5	75.9	75.1	74.5	73.0	70.9	68.0	65.2	64.5	64.0
10A	21+55.9	-16.0	76.5	77.0	76.2	76.2	76.1	76.1	76.1	76.1	76.1	76.1
11	21+70.0	-13.6	76.5	75.5	75.2	73.1	68.5	63.1	56.4	48.8	43.5	43.2
12	21+85.0	-17.0	76.5	75.5	74.3	72.3	68.3	62.9	55.8	48.5	43.0	42.3
13	21+91.0	-17.0	76.5	75.5	75.0	72.3	68.1	63.4	56.6	49.1	43.7	44.2
13A	21+91.0	-17.0	76.5	76.4	76.1	76.3	76.6	76.0	76.1	75.8	75.8	75.8
14	22+05.0	-17.0	76.5	75.5	73.7	71.2	67.3	61.3	54.4	45.8	40.2	40.3
14A	22+05.0	-17.0	76.5	76.5	76.5	76.3	76.4	76.4	75.8	75.8	76.6	76.1
15	22+52.1	-17.0	7.0	4.1	2.4	-3.3	-5.1	-4.6	0.2	23.3	37.5	39.5
15A	22+52.1	-17.0	7.0	7.5	7.6	6.8	6.4	7.2	6.7	7.2	0.8	2.8
16	21+53.5	-17.0	7.0	3.9	-0.2	-3.5	-7.5	-6.6	5.5	28.3	30.6	29.7
17	22+59.1	-16.9	7.0	7.2	5.8	4.3	2.9	1.2	8.6	29.5	38.0	39.8
18	22+62.6	-16.8	7.0	5.4	1.2	-1.4	-9.3	-10.1	12.3	28.1	39.3	40.8

eading During Filling Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2 Min (C

Average Piezometer Readings, Prototype Feet of Water

.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5	T=180 LC=21.1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=6(LC=
	75.8	75.6	75.1	74.3	73.7	73.0	73.2	73.5	73.8	74.1	74.5	74.8	75.4	75.4	76.1
	76.9	76.2	76.8	75.9	76.2	76.2	76.2	76.3	76.1	76.2	76.2	76.3	76.4	76.6	76.3
	75.6	76.4	75.0	74.7	74.0	73.6	73.5	74.1	74.3	74.5	74.6	75.3	75.2	75.9	75.6
	77.2	76.3	76.4	76.5	76.4	76.3	76.8	76.5	76.6	77.3	76.3	76.5	76.4	76.7	77.2
	75.8	75.5	74.8	74.2	74.7	73.0	73.2	73.1	74.2	73.7	74.8	74.3	74.7	75.1	74.8
	75.5	75.5	75.5	75.5	75.2	75.7	75.5	76.1	76.2	75.6	75.7	76.0	75.7	76.0	75.9
	75.0	74.3	73.0	71.6	70.5	68.8	69.3	69.8	70.1	71.0	71.7	72.9	72.9	73.9	74.2
	76.2	76.6	76.3	76.3	76.3	76.2	76.2	76.2	76.3	76.5	76.5	76.4	76.4	76.5	77.0
	76.2	75.2	75.2	73.5	72.6	72.0	72.3	72.2	73.0	73.4	73.7	74.2	74.5	74.6	74.9
	76.2	77.5	76.2	76.1	76.2	76.1	76.3	76.2	76.5	76.3	76.0	76.8	76.5	77.2	76.5
	76.1	75.2	74.2	73.1	72.1	71.5	71.4	71.8	72.3	74.0	73.4	73.8	74.3	74.8	75.7
	76.2	76.1	76.0	76.0	76.4	75.7	75.5	75.7	76.1	75.7	76.3	75.5	75.5	76.0	75.5
	74.4	73.5	71.5	69.3	66.9	65.1	65.1	66.1	67.6	68.0	69.1	70.3	71.4	72.1	72.9
	75.7	75.7	75.6	75.7	75.8	75.6	76.0	76.1	75.5	75.7	75.8	76.3	76.3	76.3	76.0
	75.4	74.5	73.3	71.9	70.3	69.0	69.3	69.7	70.4	71.4	72.1	72.7	73.2	73.6	74.8
	76.6	76.0	76.7	76.9	76.2	76.0	76.2	76.3	76.1	76.1	76.2	76.3	76.1	76.2	76.4
	75.4	75.9	73.5	72.0	70.6	69.6	69.3	69.8	70.6	71.2	71.9	73.4	73.4	73.9	74.1
	75.1	75.2	75.3	76.3	75.2	75.3	75.2	75.9	75.3	75.3	75.5	75.7	75.6	75.6	76.8
	74.5	73.0	70.9	68.0	65.2	64.5	64.0	64.3	67.2	67.3	69.4	70.2	72.1	72.5	73.1
	76.2	76.1	76.1	76.1	76.1	76.1	76.1	76.7	75.5	76.6	76.1	76.2	76.3	78.6	76.5
	73.1	68.5	63.1	56.4	48.8	43.5	43.2	45.0	48.7	53.9	56.1	59.0	61.8	64.5	66.4
	72.3	68.3	62.9	55.8	48.5	43.0	42.3	45.0	48.4	52.8	56.6	59.3	62.4	64.7	67.5
	72.3	68.1	63.4	56.6	49.1	43.7	44.2	45.7	49.3	53.1	56.8	59.2	62.0	64.6	67.0
	76.3	76.6	76.0	76.1	75.8	75.8	75.8	76.0	76.0	75.6	76.1	76.5	76.1	76.3	76.4
	71.2	67.3	61.3	54.4	45.8	40.2	40.3	42.9	46.6	50.8	54.5	57.7	61.1	63.6	66.3
	76.3	76.4	76.4	75.8	75.8	76.6	76.1	75.6	76.6	75.7	76.3	75.7	76.7	75.8	75.7
	-3.3	-5.1	-4.6	0.2	23.3	37.5	39.5	41.5	45.7	50.6	54.0	58.0	60.0	61.1	64.3
	6.8	6.4	7.2	6.7	7.2	0.8	2.8	3.6	8.7	16.0	24.0	29.4	33.3	44.1	47.4
	-3.5	-7.5	-6.6	5.5	28.3	30.6	29.7	32.4	37.2	42.0	47.4	51.5	55.5	57.7	62.4
	4.3	2.9	1.2	8.6	29.5	38.0	39.8	42.7	46.1	50.1	53.6	57.1	60.5	62.7	65.8
	-1.4	-9.3	-10.1	12.3	28.1	39.3	40.8	42.8	46.8	51.0	54.6	57.5	60.9	63.5	65.6

5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2 Min (Constant Speed Gate), Single Valve Operation

erage Piezometer Readings, Prototype Feet of Water

1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2	T=720 LC=64.9	T=780 LC=67.4	T=840 LC=69.6	T=900 LC=71.7	T=1020 LC=74.4	T=1260 LC=76.5
	73.8	74.1	74.5	74.8	75.4	75.4	76.1	75.8	76.7	76.1	76.3	76.4	76.5	76.5
	76.1	76.2	76.2	76.3	76.4	76.6	76.3	77.1	76.2	76.4	76.9	76.4	76.4	76.5
	74.3	74.5	74.6	75.3	75.2	75.9	75.6	75.7	75.9	76.2	76.0	76.1	76.4	76.5
	76.6	77.3	76.3	76.5	76.4	76.7	77.2	76.4	77.3	76.9	76.6	76.8	77.5	76.5
	74.2	73.7	74.8	74.3	74.7	75.1	74.8	74.8	74.8	75.1	75.1	75.2	75.2	76.5
	76.2	75.6	75.7	76.0	75.7	76.0	75.9	76.8	76.0	76.0	76.2	76.2	76.2	76.5
	70.1	71.0	71.7	72.9	72.9	73.9	74.2	74.6	75.0	75.2	76.2	76.5	76.0	76.5
	76.3	76.5	76.5	76.4	76.4	76.5	77.0	76.4	77.0	76.6	76.6	76.6	76.9	76.5
	73.0	73.4	73.7	74.2	74.5	74.6	74.9	76.0	75.6	75.4	76.4	75.9	76.1	76.5
	76.5	76.3	76.0	76.8	76.5	77.2	76.5	76.5	76.5	76.4	76.3	76.5	76.6	76.5
	72.3	74.0	73.4	73.8	74.3	74.8	75.7	75.3	75.6	75.8	76.2	76.3	77.8	76.5
	76.1	75.7	76.3	75.5	75.5	76.0	75.5	75.4	75.2	75.4	75.3	75.2	75.3	76.5
	67.6	68.0	69.1	70.3	71.4	72.1	72.9	74.2	74.1	74.4	75.4	75.4	76.2	76.5
	75.5	75.7	75.8	76.3	76.3	76.3	76.0	76.0	75.7	76.1	76.9	77.2	76.2	76.5
	70.4	71.4	72.1	72.7	73.2	73.6	74.8	74.4	75.0	75.3	75.6	75.9	76.3	76.5
	76.1	76.1	76.2	76.3	76.1	76.2	76.4	76.9	76.5	76.6	76.6	76.5	76.9	76.5
	70.6	71.2	71.9	73.4	73.4	73.9	74.1	74.7	75.0	75.3	75.7	75.8	76.3	76.5
	75.3	75.3	75.5	75.7	75.6	75.6	76.8	76.2	75.7	76.0	75.9	76.2	77.3	76.5
	67.2	67.3	69.4	70.2	72.1	72.5	73.1	73.9	74.7	76.0	75.8	76.4	76.7	76.5
	75.5	76.6	76.1	76.2	76.3	78.6	76.5	76.2	76.4	76.3	72.8	76.7	77.0	76.5
	48.7	53.9	56.1	59.0	61.8	64.5	66.4	68.6	70.7	71.6	72.9	73.8	74.9	76.5
	48.4	52.8	56.6	59.3	62.4	64.7	67.5	68.8	71.2	72.1	73.1	74.3	75.8	76.5
	49.3	53.1	56.8	59.2	62.0	64.6	67.0	69.7	70.6	72.0	73.3	74.2	75.6	76.5
	76.0	75.6	76.1	76.5	76.1	76.3	76.4	76.4	76.3	76.9	76.5	76.5	76.6	76.5
	46.6	50.8	54.5	57.7	61.1	63.6	66.3	67.9	70.0	71.5	72.8	73.9	76.3	76.5
	76.6	75.7	76.3	75.7	76.7	75.8	75.7	75.7	76.0	76.1	76.0	75.9	75.8	76.5
	45.7	50.6	54.0	58.0	60.0	61.1	64.3	65.2	68.3	70.4	72.0	73.4	75.2	76.5
	8.7	16.0	24.0	29.4	33.3	44.1	47.4	58.2	61.6	64.9	68.3	70.0	73.6	76.5
	37.2	42.0	47.4	51.5	55.5	57.7	62.4	64.5	66.8	69.4	71.4	73.0	76.3	76.5
	46.1	50.1	53.6	57.1	60.5	62.7	65.8	67.4	69.3	71.6	72.4	73.4	75.7	76.5
	46.8	51.0	54.6	57.5	60.9	63.5	65.6	68.3	70.1	71.5	72.7	74.3	75.5	76.5

Table A14 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.7	T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17
19	22+69.1	-16.6	7.0	6.6	3.5	-2.7	-3.5	9.9	17.1	33.7	36.7	37.8
20	22+76.6	-16.5	7.0	8.7	5.8	9.3	-0.1	20.6	29.0	36.3	39.7	41.3
21	22+90.6	-16.5	7.0	10.5	10.1	10.4	10.7	24.8	30.8	35.4	36.6	37.9
21A	22+90.6	-16.5	7.0	7.6	7.4	7.0	7.0	5.5	4.1	2.3	1.2	4.7
22	23+50.0	-16.5	7.0	10.8	13.1	16.7	19.0	24.4	30.2	32.2	34.3	36.6
23	24+50.0	-16.5	7.0	10.2	11.7	15.1	17.7	22.9	26.4	31.9	32.6	35.1
24	25+50.0	-16.5	7.0	9.6	10.7	12.5	16.7	18.3	22.0	26.4	29.1	30.9
24A	25+50.0	-16.5	7.0	7.9	7.6	7.2	6.5	5.9	4.2	2.3	1.5	4.3
25	26+04.3	-24.25	7.0	9.2	10.3	12.7	16.9	19.5	25.4	31.8	36.7	37.9
26	25+95.9	-24.25	7.0	8.7	9.0	9.8	11.4	10.5	11.0	12.0	11.7	14.9
27	26+09.2	-17.0	7.0	9.0	9.4	10.7	13.5	14.9	16.6	20.0	21.2	24.3
27A	26+09.2	-17.0	7.0	8.1	7.9	7.4	6.5	5.8	3.9	2.0	1.3	4.6
28	26+01.3	-20.1	7.0	7.9	7.2	6.2	4.0	1.1	-3.5	-8.3	-12.7	-9.8
29	26+12.4	-20.1	7.0	8.4	8.8	10.1	11.9	14.7	17.0	20.1	21.4	25.6
30	25+96.0	-20.1	7.0	8.0	6.7	6.0	3.9	1.6	-2.6	-12.5	-18.7	-15.8
31	26+04.5	-20.1	7.0	8.0	8.4	9.7	11.6	13.3	16.0	18.8	21.1	24.3
32	25+88.1	-20.1	7.0	7.4	6.9	6.5	4.5	2.0	-1.0	-4.8	-12.4	-10.6
33	25+92.6	-20.1	7.0	8.2	8.4	9.6	10.9	13.0	14.4	17.6	18.0	22.4
34	26+01.3	-28.4	7.0	7.9	7.7	7.3	6.5	5.5	4.4	2.5	1.9	5.2
35	26+12.4	-28.4	7.0	7.7	7.5	7.3	6.2	5.2	4.0	2.2	1.2	4.6
36	25+96.0	-28.4	7.0	7.0	7.1	7.2	6.7	6.2	5.8	5.0	4.7	5.0
37	26+04.1	-28.4	7.0	7.7	7.0	7.0	6.0	5.0	3.5	1.9	0.9	3.8
38	25+88.1	-28.4	7.0	7.5	7.3	7.0	6.6	5.9	4.6	3.3	2.3	4.8
39	25+92.6	-28.4	7.0	7.9	7.7	7.2	6.7	5.3	3.7	2.1	0.2	3.2
40	25+75.0	-24.1	7.0	7.6	7.4	7.1	6.8	5.1	3.9	2.5	-0.3	3.5
41	25+75.0	-24.1	7.0	8.1	7.6	7.3	7.2	5.6	5.5	5.4	1.7	3.4
42	25+70.0	-24.0	7.0	8.1	7.4	7.6	6.3	6.5	1.0	2.3	3.9	0.8
43	25+70.0	-24.0	7.0	7.9	7.1	6.8	5.6	5.3	1.8	-0.2	-2.7	0.7
44	25+65.0	-23.1	7.0	7.7	7.5	7.5	7.0	5.3	5.0	0.3	5.8	-3.3
45	25+65.0	-23.1	7.0	7.5	7.3	7.2	7.2	6.6	5.5	4.3	3.7	5.6
46	25+65.0	-23.1	7.0	7.9	9.1	11.0	16.4	19.9	26.0	31.5	36.1	42.5

Average Piezometer Readings, Prototype Feet of Water

0 6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5	T=180 LC=21.1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T= LC
	-2.7	-3.5	9.9	17.1	33.7	36.7	37.8	39.9	44.8	49.0	53.0	56.7	59.7	62.3	65.
	9.3	-0.1	20.6	29.0	36.3	39.7	41.3	43.5	49.0	53.1	57.7	62.8	66.1	69.9	70.
1	10.4	10.7	24.8	30.8	35.4	36.6	37.9	40.2	45.4	49.5	52.5	56.5	59.9	62.7	65.
	7.0	7.0	5.5	4.1	2.3	1.2	4.7	8.9	16.5	24.7	31.7	38.5	44.2	49.4	55.
	16.7	19.0	24.4	30.2	32.2	34.3	36.6	38.8	43.2	48.2	51.9	55.8	59.0	62.1	64.
7	15.1	17.7	22.9	26.4	31.9	32.6	35.1	37.7	42.8	48.0	51.8	53.8	56.7	59.8	63.
7	12.5	16.7	18.3	22.0	26.4	29.1	30.9	34.5	39.4	44.3	48.7	52.6	57.2	59.7	63.
	7.2	6.5	5.9	4.2	2.3	1.5	4.3	8.9	16.8	24.5	32.1	38.3	44.7	49.5	53.
3	12.7	16.9	19.5	25.4	31.8	36.7	37.9	42.2	45.8	49.0	53.0	56.9	59.7	62.4	64.
	9.8	11.4	10.5	11.0	12.0	11.7	14.9	18.0	25.6	32.3	38.7	44.3	49.2	53.1	58.
	10.7	13.5	14.9	16.6	20.0	21.2	24.3	27.9	32.4	38.4	43.2	49.1	53.2	57.1	61.
	7.4	6.5	5.8	3.9	2.0	1.3	4.6	8.3	16.7	24.6	31.9	38.8	44.6	50.1	54.
	6.2	4.0	1.1	-3.5	-8.3	-12.7	-9.8	-7.1	4.1	13.1	22.8	30.2	37.4	44.5	49.
	10.1	11.9	14.7	17.0	20.1	21.4	25.6	27.3	33.9	40.1	45.5	49.8	53.1	57.8	60.
	6.0	3.9	1.6	-2.6	-12.5	-18.7	-15.8	-11.6	4.1	13.8	15.7	21.4	32.0	38.8	44.
	9.7	11.6	13.3	16.0	18.8	21.1	24.3	26.2	32.0	37.3	41.9	46.9	50.8	54.8	58.
	6.5	4.5	2.0	-1.0	-4.8	-12.4	-10.6	-5.2	4.1	13.2	23.9	32.1	38.9	44.1	50.
	9.6	10.9	13.0	14.4	17.6	18.0	22.4	24.7	32.4	37.3	44.9	48.7	52.0	55.6	59.
	7.3	6.5	5.5	4.4	2.5	1.9	5.2	8.4	16.5	24.8	32.1	38.5	43.9	49.7	54.
	7.3	6.2	5.2	4.0	2.2	1.2	4.6	8.1	16.3	25.1	32.1	38.6	43.8	49.6	54.
	7.2	6.7	6.2	5.8	5.0	4.7	5.0	6.8	13.0	19.7	25.4	35.7	40.4	44.9	49.
	7.0	6.0	5.0	3.5	1.9	0.9	3.8	7.8	15.5	23.8	31.7	37.6	43.4	49.0	53.
	7.0	6.6	5.9	4.6	3.3	2.3	4.8	7.3	15.8	24.9	33.3	41.2	47.6	49.5	52.
	7.2	6.7	5.3	3.7	2.1	0.2	3.2	7.5	15.8	23.2	29.1	36.6	42.5	47.9	52.
	7.1	6.8	5.1	3.9	2.5	-0.3	3.5	7.6	16.5	22.5	32.5	39.1	44.0	50.4	55.
	7.3	7.2	5.6	5.5	5.4	1.7	3.4	7.4	17.9	25.1	31.8	37.8	43.2	47.7	52.
	7.6	6.3	6.5	1.0	2.3	3.9	0.8	5.7	14.1	18.2	31.3	36.3	45.5	49.7	53.
	6.8	5.6	5.3	1.8	-0.2	-2.7	0.7	2.8	12.3	19.7	28.0	35.6	42.5	47.6	51.
	7.5	7.0	5.3	5.0	0.3	5.8	-3.3	10.6	14.9	25.2	35.8	41.3	46.0	49.8	55.
	7.2	7.2	6.6	5.5	4.3	3.7	5.6	9.0	18.6	25.4	32.2	39.0	44.3	49.5	54.
	11.0	16.4	19.9	26.0	31.5	36.1	42.5	41.2	51.7	53.9	56.3	58.4	61.1	62.7	64.

rage Piezometer Readings, Prototype Feet of Water

	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2	T=720 LC=64.9	T=780 LC=67.4	T=840 LC=69.6	T=900 LC=71.7	T=1020 LC=74.4	T=1260 LC=76.5
	44.8	49.0	53.0	56.7	59.7	62.3	65.0	67.4	69.4	70.9	72.4	73.5	75.6	76.5
	49.0	53.1	57.7	62.8	66.1	69.9	70.8	71.8	71.7	72.4	72.5	73.4	75.3	76.5
	45.4	49.5	52.5	56.5	59.9	62.7	65.6	67.2	70.4	71.1	72.4	73.8	75.7	76.5
	16.5	24.7	31.7	38.5	44.2	49.4	55.1	58.6	62.2	65.5	68.3	70.7	74.3	76.5
	43.2	48.2	51.9	55.8	59.0	62.1	64.6	66.7	69.0	70.7	72.5	73.5	75.3	76.5
	42.8	48.0	51.8	53.8	56.7	59.8	63.0	65.7	68.0	70.1	71.7	73.1	75.1	76.5
	39.4	44.3	48.7	52.6	57.2	59.7	63.0	65.4	67.8	69.6	71.4	73.2	75.1	76.5
	16.8	24.5	32.1	38.3	44.7	49.5	53.9	58.7	62.7	65.5	68.6	70.6	73.9	76.5
	45.8	49.0	53.0	56.9	59.7	62.4	64.6	67.3	69.0	71.0	72.2	73.2	75.5	76.5
	25.6	32.3	38.7	44.3	49.2	53.1	58.4	61.7	65.4	67.3	69.9	71.7	74.8	76.5
	32.4	38.4	43.2	49.1	53.2	57.1	61.5	63.6	66.5	68.5	70.8	72.5	74.8	76.5
	16.7	24.6	31.9	38.8	44.6	50.1	54.3	58.7	62.5	65.9	68.6	71.1	74.3	76.5
	4.1	13.1	22.8	30.2	37.4	44.5	49.6	55.9	59.6	63.6	67.2	69.5	73.8	76.5
	33.9	40.1	45.5	49.8	53.1	57.8	60.4	63.0	65.4	67.8	69.8	71.4	74.2	76.5
	4.1	13.8	15.7	21.4	32.0	38.8	44.9	51.7	57.1	61.4	65.3	68.6	72.9	76.5
	32.0	37.3	41.9	46.9	50.8	54.8	58.5	62.0	64.7	67.2	69.5	71.5	74.2	76.5
	4.1	13.2	23.9	32.1	38.9	44.1	50.1	55.7	61.6	64.1	66.5	69.0	73.3	76.5
	32.4	37.3	44.9	48.7	52.0	55.6	59.0	61.9	65.8	67.9	69.7	71.6	74.3	76.5
	16.5	24.8	32.1	38.5	43.9	49.7	54.1	58.5	62.2	65.8	68.3	70.8	74.0	76.5
	16.3	25.1	32.1	38.6	43.8	49.6	54.1	58.2	62.3	65.3	67.8	70.1	73.3	76.5
	13.0	19.7	25.4	35.7	40.4	44.9	49.2	52.3	62.9	66.3	68.9	71.3	74.7	76.5
	15.5	23.8	31.7	37.6	43.4	49.0	53.7	58.1	61.9	65.4	68.1	70.4	74.0	76.5
	15.8	24.9	33.3	41.2	47.6	49.5	52.9	56.3	63.6	65.7	67.8	69.8	73.6	76.5
	15.8	23.2	29.1	36.6	42.5	47.9	52.9	57.7	61.8	65.2	68.1	70.4	74.3	76.5
	16.5	22.5	32.5	39.1	44.0	50.4	55.1	60.2	64.6	68.7	71.2	72.6	74.6	76.5
	17.9	25.1	31.8	37.8	43.2	47.7	52.3	57.3	61.4	64.7	69.9	72.4	74.2	76.5
	14.1	18.2	31.3	36.3	45.5	49.7	53.5	55.1	60.2	64.0	67.2	69.8	73.6	76.5
	12.3	19.7	28.0	35.6	42.5	47.6	51.9	56.9	61.2	64.5	67.5	70.0	73.9	76.5
	14.9	25.2	35.8	41.3	46.0	49.8	55.0	59.3	63.3	67.0	69.4	72.0	74.5	76.5
	18.6	25.4	32.2	39.0	44.3	49.5	54.0	58.3	63.2	65.9	68.1	70.8	73.9	76.5
	51.7	53.9	56.3	58.4	61.1	62.7	64.1	66.7	68.8	70.7	71.5	72.7	74.8	76.5

Table A14 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.7	T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8
47	25+60.0	-22.7	7.0	7.4	7.4	7.2	7.5	6.2	7.4	4.8	4.1
48	25+60.0	-22.7	7.0	7.9	7.6	7.3	7.8	5.4	7.8	4.8	5.1
49	25+60.0	-22.7	7.0	7.8	8.2	8.4	8.2	9.0	7.4	7.6	6.1
50	25+60.0	-22.7	7.0	8.0	8.0	8.8	9.3	9.5	7.2	9.3	6.4
51	25+50.0	-22.1	7.0	7.8	7.6	7.9	8.1	9.0	8.9	10.6	11.0
52	25+50.0	-22.1	7.0	7.8	7.4	7.9	8.1	7.3	8.8	10.1	8.9
53	25+50.0	-22.1	7.0	7.6	7.9	9.0	9.2	10.5	12.1	13.5	15.4
54	25+50.0	-22.1	7.0	7.8	8.4	9.0	9.2	10.6	13.0	13.1	13.0
55	25+40.0	-21.5	7.0	7.6	8.0	8.6	8.9	10.4	11.0	13.2	14.7
56	25+40.0	-21.5	7.0	7.5	7.2	8.0	8.6	9.3	10.3	12.0	13.7
57	25+40.0	-21.5	7.0	7.4	8.2	9.2	10.5	11.7	13.6	14.7	15.5
58	25+40.0	-21.5	7.0	7.6	8.4	9.3	10.6	11.4	14.2	16.7	17.0
59	25+30.0	-20.9	7.0	7.9	7.8	8.8	9.2	11.1	12.1	14.7	16.8
60	25+30.0	-20.9	7.0	7.5	7.7	8.5	8.8	10.5	10.5	12.9	13.8
61	25+30.0	-20.9	7.0	7.2	7.9	8.9	9.6	10.8	12.3	14.2	15.4
62	25+30.0	-20.9	7.0	7.6	8.2	9.4	10.6	12.7	15.7	16.9	19.3
63	25+25.0	-20.9	7.0	7.5	7.8	8.4	9.8	11.7	12.8	16.0	17.9
64	25+25.0	-20.6	7.0	7.2	7.2	7.8	8.7	10.1	10.9	12.3	14.7
65	25+25.0	-20.6	7.0	7.5	7.9	8.2	8.7	8.9	9.5	10.1	10.5
66	25+25.0	-20.6	7.0	7.3	8.3	9.7	11.9	13.5	17.6	20.6	23.5
68	25+23.0	-20.6	7.0	6.9	7.3	7.7	8.7	9.6	11.1	12.5	14.2
69	25+23.0	-20.6	7.0	7.4	7.9	8.8	9.1	9.6	10.7	12.4	13.2
70	25+23.0	-20.6	7.0	7.6	8.3	9.6	11.2	13.5	16.7	20.2	23.2
71	25+10.2	-24.25	7.0	7.1	8.1	9.1	10.7	13.0	16.6	18.2	20.4
71A	25+10.2	-24.25	7.0	7.4	7.6	8.3	8.9	10.3	11.4	13.3	14.5
72	25+00.2	-24.25	7.0	7.2	8.1	9.1	10.7	13.6	17.2	20.0	23.5
73	24+90.2	-24.25	7.0	7.2	7.9	9.5	11.6	15.0	19.3	22.8	27.5
74	24+80.2	-24.25	7.0	7.2	8.0	9.5	12.0	15.5	19.4	23.8	28.3
75	24+70.2	-24.25	7.0	6.9	7.1	9.2	11.4	15.1	20.0	26.0	29.8
76	24+60.2	-24.25	7.0	6.7	7.7	9.2	12.4	15.8	22.0	27.0	30.8
77	24+50.2	-24.25	7.0	6.4	6.8	7.9	10.7	13.6	17.5	22.7	26.8

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5	T=180 LC=21.1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3
7.4	7.2	7.5	6.2	7.4	4.8	4.1	7.0	12.9	21.6	30.9	35.0	43.9	43.8	50.5
7.6	7.3	7.8	5.4	7.8	4.8	5.1	7.9	13.3	19.5	29.2	34.2	42.1	44.3	51.5
8.2	8.4	8.2	9.0	7.4	7.6	6.1	10.0	13.2	22.8	28.7	34.9	42.0	47.4	52.3
8.0	8.8	9.3	9.5	7.2	9.3	6.4	10.7	14.0	24.0	27.6	34.1	41.0	47.1	51.1
7.6	7.9	8.1	9.0	8.9	10.6	11.0	9.9	16.4	21.7	34.2	37.8	44.7	47.7	52.5
7.4	7.9	8.1	7.3	8.8	10.1	8.9	11.9	16.9	23.0	29.9	38.0	43.0	46.1	51.8
7.9	9.0	9.2	10.5	12.1	13.5	15.4	18.5	22.8	29.9	35.7	41.4	44.8	48.8	53.2
8.4	9.0	9.2	10.6	13.0	13.1	13.0	19.1	20.9	30.8	31.4	42.0	43.5	51.2	53.4
8.0	8.6	8.9	10.4	11.0	13.2	14.7	18.7	21.8	27.7	35.1	40.2	44.6	51.4	55.8
7.2	8.0	8.6	9.3	10.3	12.0	13.7	17.2	20.6	27.5	34.4	39.8	44.9	49.7	54.0
8.2	9.2	10.5	11.7	13.6	14.7	15.5	20.6	24.3	32.4	36.8	43.1	47.6	52.0	55.9
8.4	9.3	10.6	11.4	14.2	16.7	17.0	22.0	25.3	33.5	38.0	43.7	48.1	53.3	56.8
7.8	8.8	9.2	11.1	12.1	14.7	16.8	21.2	24.2	30.6	36.7	42.0	47.4	50.9	55.8
7.7	8.5	8.8	10.5	10.5	12.9	13.8	18.3	20.8	28.6	34.1	39.9	45.0	50.2	54.6
7.9	8.9	9.6	10.8	12.3	14.2	15.4	19.2	23.5	31.0	36.2	41.9	47.5	52.1	55.6
8.2	9.4	10.6	12.7	15.7	16.9	19.3	23.5	27.9	34.4	38.2	44.8	48.8	52.8	56.5
7.8	8.4	9.8	11.7	12.8	16.0	17.9	21.0	25.4	30.8	37.8	42.8	47.3	51.6	56.1
7.2	7.8	8.7	10.1	10.9	12.3	14.7	18.2	21.4	27.2	34.5	39.3	44.5	49.7	54.1
7.9	8.2	8.7	8.9	9.5	10.1	10.5	13.8	18.5	26.0	32.0	38.6	44.1	49.5	53.8
8.3	9.7	11.9	13.5	17.6	20.6	23.5	27.8	31.6	38.3	42.8	46.7	51.5	55.5	58.8
7.3	7.7	8.7	9.6	11.1	12.5	14.2	17.9	21.5	28.2	34.3	40.1	45.3	50.4	54.5
7.9	8.8	9.1	9.6	10.7	12.4	13.2	16.5	20.9	27.9	34.3	39.8	45.1	50.3	54.6
8.3	9.6	11.2	13.5	16.7	20.2	23.2	27.2	30.6	36.0	41.5	46.1	50.4	54.5	58.0
8.1	9.1	10.7	13.0	16.6	18.2	20.4	25.8	28.3	34.6	39.8	45.4	49.7	53.6	57.1
7.6	8.3	8.9	10.3	11.4	13.3	14.5	18.5	21.7	29.5	34.6	40.6	46.1	50.5	55.6
8.1	9.1	10.7	13.6	17.2	20.0	23.5	27.8	29.9	36.3	41.4	46.0	50.9	54.4	58.2
7.9	9.5	11.6	15.0	19.3	22.8	27.5	31.7	34.0	40.3	45.8	51.5	57.2	61.6	63.0
8.0	9.5	12.0	15.5	19.4	23.8	28.3	32.4	35.0	39.9	45.1	49.5	53.3	56.7	59.7
7.1	9.2	11.4	15.1	20.0	26.0	29.8	33.9	36.1	41.4	46.1	50.2	54.4	57.3	61.5
7.7	9.2	12.4	15.8	22.0	27.0	30.8	36.0	38.3	43.6	47.4	51.2	54.4	58.4	61.2
6.8	7.9	10.7	13.6	17.5	22.7	26.8	30.8	34.0	38.9	43.8	48.4	51.7	55.3	58.0

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2	T=720 LC=64.9	T=780 LC=67.4	T=840 LC=69.6	T=900 LC=71.7	T=1020 LC=74.4	T=1260 LC=76.5
21.6	30.9	35.0	43.9	43.8	50.5	55.9	59.6	62.2	66.5	69.0	70.8	74.2	76.5
19.5	29.2	34.2	42.1	44.3	51.5	55.6	59.9	63.1	66.6	69.0	71.0	74.5	76.5
22.8	28.7	34.9	42.0	47.4	52.3	56.3	60.2	63.3	66.4	69.2	71.3	74.3	76.5
24.0	27.6	34.1	41.0	47.1	51.1	57.5	60.0	63.1	67.7	69.7	71.7	74.5	76.5
21.7	34.2	37.8	44.7	47.7	52.5	57.0	61.0	63.9	66.6	69.2	71.3	74.1	76.5
23.0	29.9	38.0	43.0	46.1	51.8	56.6	61.1	64.0	67.3	68.9	71.4	74.5	76.5
29.9	35.7	41.4	44.8	48.8	53.2	58.0	61.1	65.0	66.8	69.2	71.3	74.2	76.5
30.8	31.4	42.0	43.5	51.2	53.4	59.0	61.7	65.5	67.6	70.0	72.0	74.2	76.5
27.7	35.1	40.2	44.6	51.4	55.8	58.3	62.2	65.0	67.8	69.8	71.7	74.8	76.5
27.5	34.4	39.8	44.9	49.7	54.0	58.1	61.2	64.6	67.1	69.4	71.6	74.2	76.5
32.4	36.8	43.1	47.6	52.0	55.9	59.7	62.8	66.0	68.0	70.4	72.1	74.5	76.5
33.5	38.0	43.7	48.1	53.3	56.8	60.9	63.8	67.2	69.6	72.0	73.5	74.9	76.5
30.6	36.7	42.0	47.4	50.9	55.8	59.4	62.5	65.6	68.3	70.2	71.9	74.7	76.5
28.6	34.1	39.9	45.0	50.2	54.6	58.1	61.9	64.9	67.8	69.8	71.7	74.5	76.5
31.0	36.2	41.9	47.5	52.1	55.6	59.4	62.9	65.4	68.0	70.3	71.7	74.9	76.5
34.4	38.2	44.8	48.8	52.8	56.5	60.5	63.2	66.1	68.4	70.6	72.0	74.8	76.5
30.8	37.8	42.8	47.3	51.6	56.1	59.6	62.7	65.6	68.0	70.2	72.2	74.6	76.5
27.2	34.5	39.3	44.5	49.7	54.1	57.9	61.6	64.3	67.4	69.6	71.4	74.5	76.5
26.0	32.0	38.6	44.1	49.5	53.8	57.8	60.9	64.0	66.9	69.3	71.2	73.9	76.5
38.3	42.8	46.7	51.5	55.5	58.8	61.4	64.6	67.2	69.2	70.9	72.5	74.9	76.5
28.2	34.3	40.1	45.3	50.4	54.5	58.6	61.9	64.9	67.7	70.1	71.9	74.6	76.5
27.9	34.3	39.8	45.1	50.3	54.6	58.6	61.5	64.8	67.5	69.6	71.6	74.4	76.5
36.0	41.5	46.1	50.4	54.5	58.0	61.3	64.1	66.5	69.0	70.8	72.2	75.0	76.5
34.6	39.8	45.4	49.7	53.6	57.1	60.4	63.3	66.2	68.2	69.9	71.9	74.5	76.5
29.5	34.6	40.6	46.1	50.5	55.6	58.8	62.3	65.1	68.2	69.8	72.1	74.8	76.5
36.3	41.4	46.0	50.9	54.4	58.2	61.5	64.5	67.0	69.1	70.9	72.6	75.0	76.5
40.3	45.8	51.5	57.2	61.6	63.0	64.1	65.3	67.4	68.9	70.7	72.4	74.9	76.5
39.9	45.1	49.5	53.3	56.7	59.7	62.6	65.3	67.7	69.6	71.5	72.9	75.0	76.5
41.4	46.1	50.2	54.4	57.3	61.5	63.0	66.4	68.1	70.8	71.5	73.2	74.9	76.5
43.6	47.4	51.2	54.4	58.4	61.2	63.9	66.3	69.5	70.2	71.9	73.3	75.2	76.5
38.9	43.8	48.4	51.7	55.3	58.0	61.5	64.0	66.7	68.6	70.6	72.1	73.8	76.5

Table A14 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.7	T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	
78	24+40.2	-24.25	7.0	7.1	7.7	9.7	12.5	16.7	22.2	28.4	33.3	
79	24+30.2	-24.25	7.0	7.2	8.1	10.2	12.9	17.4	22.7	29.1	34.0	
79A	24+30.2	-24.25	7.0	7.2	7.6	8.4	9.8	11.4	13.0	15.4	17.3	
80	26+17.0	-28.4	7.0	8.2	7.5	6.6	5.3	1.7	-2.2	-6.9	-9.4	
81	26+06.0	-28.4	7.0	8.6	8.8	9.8	11.6	13.7	16.0	18.7	21.7	
82	26+22.4	-28.4	7.0	8.0	7.1	6.1	4.2	1.1	-2.3	-6.5	-10.6	
83	26+13.9	-28.4	7.0	8.2	8.6	9.3	10.7	12.8	15.1	18.4	20.0	
84	26+30.3	-28.4	7.0	7.9	7.2	6.0	4.0	0.8	-2.6	-8.0	-11.1	
85	26+25.7	-28.4	7.0	8.3	8.6	9.2	10.8	12.4	15.2	17.0	19.5	
86	26+17.0	-20.1	7.0	7.7	7.3	6.9	6.3	4.9	3.4	1.7	0.7	
87	26+06.0	-20.1	7.0	7.7	7.3	7.1	6.5	5.2	3.5	1.5	0.7	
88	26+22.4	-20.1	7.0	7.8	7.6	7.2	6.5	4.9	3.7	1.9	0.8	
89	26+13.9	-20.1	7.0	7.6	7.3	7.1	6.3	5.0	3.3	1.8	0.6	
90	26+30.3	-20.1	7.0	7.8	7.4	7.1	6.5	4.9	3.4	1.3	0.5	
91	26+25.7	-20.1	7.0	7.4	7.4	7.0	6.3	4.8	3.5	1.0	0.5	
92	26+43.3	-24.1	7.0	7.4	7.3	6.9	6.5	5.4	2.2	1.5	0.4	
93	26+43.3	-24.1	7.0	6.9	7.0	6.6	6.0	5.1	4.6	4.5	3.4	
94	26+48.3	-24.0	7.0	7.6	7.2	6.7	5.5	3.9	6.3	-4.2	-2.0	
95	26+48.3	-24.0	7.0	7.7	7.6	6.9	6.0	4.4	2.1	-0.2	-2.9	
96	26+53.3	-23.1	7.0	7.8	7.4	7.6	6.6	8.3	8.4	7.4	-0.8	
97	26+53.3	-23.1	7.0	7.8	7.3	8.5	6.0	4.7	5.5	-1.6	1.7	
98	26+53.3	-23.1	7.0	8.2	8.9	11.5	13.8	19.0	27.4	31.7	36.6	
99	26+58.3	-22.7	7.0	8.0	7.3	7.3	8.9	5.6	7.0	6.3	6.6	
100	26+58.3	-22.7	7.0	7.8	7.5	7.8	7.8	5.7	9.7	3.1	4.1	
101	26+58.3	-22.7	7.0	8.0	8.1	9.1	8.4	7.5	8.5	4.6	5.4	
102	26+58.3	-22.7	7.0	7.5	7.4	8.1	8.3	8.2	10.0	8.8	0.8	
103	26+68.3	-22.1	7.0	7.4	7.1	7.8	7.5	9.7	8.5	9.1	10.9	
104	26+68.3	-22.1	7.0	7.5	7.7	8.0	8.2	9.6	7.7	9.8	13.7	
105	26+68.3	-22.1	7.0	7.7	8.3	8.5	8.6	9.4	10.9	12.3	12.9	
106	26+68.3	-22.1	7.0	7.6	7.9	9.1	9.0	9.6	10.4	12.2	15.1	
107	26+78.3	-21.5	7.0	7.5	7.7	8.3	9.2	11.2	12.2	12.8	15.5	

Average Piezometer Readings, Prototype Feet of Water

	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5	T=180 LC=21.1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=6 LC=
	9.7	12.5	16.7	22.2	28.4	33.3	37.9	40.3	44.3	48.6	52.9	55.7	58.9	61.6	64.5
	10.2	12.9	17.4	22.7	29.1	34.0	38.8	40.8	45.6	49.6	53.1	55.3	58.1	61.3	64.(
	8.4	9.8	11.4	13.0	15.4	17.3	21.1	24.8	31.2	37.0	42.5	47.4	51.9	56.3	59.5
	6.6	5.3	1.7	-2.2	-6.9	-9.4	-7.7	-3.2	6.5	16.1	24.2	30.7	38.9	45.2	51.2
	9.8	11.6	13.7	16.0	18.7	21.7	22.2	25.3	32.2	38.3	43.2	47.5	51.9	55.5	59.1
	6.1	4.2	1.1	-2.3	-6.5	-10.6	-7.2	-2.7	6.7	15.8	24.2	31.2	39.3	45.3	51.2
	9.3	10.7	12.8	15.1	18.4	20.0	22.2	24.3	30.6	37.1	41.8	46.3	51.8	55.7	59.2
	6.0	4.0	0.8	-2.6	-8.0	-11.1	-8.3	-3.5	6.7	15.1	24.0	31.3	39.5	45.3	50.8
	9.2	10.8	12.4	15.2	17.0	19.5	21.0	23.3	30.6	35.7	41.7	46.6	52.1	55.9	59.1
	6.9	6.3	4.9	3.4	1.7	0.7	3.7	8.3	16.3	24.6	31.7	38.0	43.8	49.2	53.9
	7.1	6.5	5.2	3.5	1.5	0.7	3.9	8.4	16.1	24.4	31.6	38.2	43.8	49.3	54.0
	7.2	6.5	4.9	3.7	1.9	0.8	3.9	8.3	16.4	24.5	31.4	37.5	43.7	49.1	53.8
	7.1	6.3	5.0	3.3	1.8	0.6	4.0	7.8	16.4	24.5	31.4	37.7	43.5	49.0	53.9
	7.1	6.5	4.9	3.4	1.3	0.5	3.5	7.5	16.2	24.1	31.4	37.6	43.3	49.3	53.7
	7.0	6.3	4.8	3.5	1.0	0.5	3.7	7.1	16.1	24.0	30.8	36.8	42.3	47.8	53.5
	6.9	6.5	5.4	2.2	1.5	0.4	4.2	9.3	16.1	21.2	30.6	36.2	43.3	49.7	54.1
	6.6	6.0	5.1	4.6	4.5	3.4	4.1	6.5	12.4	21.1	31.0	35.5	42.2	47.1	52.0
	6.7	5.5	3.9	6.3	-4.2	-2.0	-0.2	4.6	11.7	25.1	33.2	38.6	40.5	47.0	55.5
	6.9	6.0	4.4	2.1	-0.2	-2.9	1.1	4.6	13.8	24.1	31.1	35.8	41.9	48.0	53.8
	7.6	6.6	8.3	8.4	7.4	-0.8	5.8	8.3	20.1	34.0	37.0	41.4	50.0	52.6	54.0
	8.5	6.0	4.7	5.5	-1.6	1.7	5.8	10.0	19.2	25.9	32.9	41.1	44.0	47.4	54.4
	11.5	13.8	19.0	27.4	31.7	36.6	39.7	41.8	50.4	51.4	54.8	58.3	64.0	66.4	69.5
	7.3	8.9	5.6	7.0	6.3	6.6	3.2	9.2	22.4	37.1	35.5	40.7	50.6	58.7	61.6
	7.8	7.8	5.7	9.7	3.1	4.1	15.6	10.3	20.0	32.3	34.9	41.7	47.8	51.6	56.7
	9.1	8.4	7.5	8.5	4.6	5.4	12.3	13.3	21.6	27.8	35.1	42.4	47.5	51.1	55.8
	8.1	8.3	8.2	10.0	8.8	0.8	12.9	13.4	21.6	24.6	35.0	43.3	48.7	53.7	54.8
	7.8	7.5	9.7	8.5	9.1	10.9	13.5	17.8	25.8	31.0	38.1	45.3	48.8	54.4	56.4
	8.0	8.2	9.6	7.7	9.8	13.7	13.2	18.3	25.3	31.8	37.5	42.7	46.7	53.0	58.5
	8.5	8.6	9.4	10.9	12.3	12.9	19.4	20.9	25.8	33.1	39.5	45.2	51.0	54.2	58.2
	9.1	9.0	9.6	10.4	12.2	15.1	16.3	20.5	25.9	36.3	42.6	46.4	51.6	54.5	56.2
	8.3	9.2	11.2	12.2	12.8	15.5	15.8	21.9	28.8	35.6	40.3	45.3	49.5	55.1	58.4

e Piezometer Readings, Prototype Feet of Water

T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2	T=720 LC=64.9	T=780 LC=67.4	T=840 LC=69.6	T=900 LC=71.7	T=1020 LC=74.4	T=1260 LC=76.5
44.3	48.6	52.9	55.7	58.9	61.6	64.5	66.7	68.7	70.7	72.1	73.5	75.5	76.5
45.6	49.6	53.1	55.3	58.1	61.3	64.0	66.5	68.6	70.4	71.9	73.3	75.4	76.5
31.2	37.0	42.5	47.4	51.9	56.3	59.9	63.1	66.1	68.3	70.3	72.4	74.9	76.5
6.5	16.1	24.2	30.7	38.9	45.2	51.2	56.6	60.3	63.6	67.2	69.9	73.7	76.5
32.2	38.3	43.2	47.5	51.9	55.5	59.1	62.7	65.2	67.4	69.9	71.6	74.1	76.5
6.7	15.8	24.2	31.2	39.3	45.3	51.2	56.1	60.1	64.0	67.3	69.9	74.0	76.5
30.6	37.1	41.8	46.3	51.8	55.7	59.2	62.6	65.4	67.7	69.8	71.9	74.2	76.5
6.7	15.1	24.0	31.3	39.5	45.3	50.8	55.6	59.9	64.3	67.1	69.7	73.6	76.5
30.6	35.7	41.7	46.6	52.1	55.9	59.1	62.6	65.4	68.1	70.0	72.0	74.8	76.5
16.3	24.6	31.7	38.0	43.8	49.2	53.9	58.4	61.9	65.5	68.2	70.4	74.0	76.5
16.1	24.4	31.6	38.2	43.8	49.3	54.0	58.4	62.1	65.6	68.4	70.8	74.2	76.5
16.4	24.5	31.4	37.5	43.7	49.1	53.8	58.3	62.0	65.3	68.3	70.8	74.0	76.5
16.4	24.5	31.4	37.7	43.5	49.0	53.9	58.2	61.8	65.4	67.9	70.5	73.9	76.5
16.2	24.1	31.4	37.6	43.3	49.3	53.7	58.3	62.0	65.5	68.4	70.9	74.1	76.5
16.1	24.0	30.8	36.8	42.3	47.8	53.5	58.1	61.8	65.4	68.1	70.6	74.0	76.5
16.1	21.2	30.6	36.2	43.3	49.7	54.1	58.3	62.1	65.5	68.3	70.3	74.1	76.5
12.4	21.1	31.0	35.5	42.2	47.1	52.0	57.2	60.9	64.9	68.1	70.6	74.0	76.5
11.7	25.1	33.2	38.6	40.5	47.0	55.5	56.8	61.5	65.7	68.2	70.8	74.3	76.5
13.8	24.1	31.1	35.8	41.9	48.0	53.8	57.9	61.8	65.3	67.9	70.6	73.9	76.5
20.1	34.0	37.0	41.4	50.0	52.6	54.0	60.1	62.8	66.3	68.4	70.7	73.8	76.5
19.2	25.9	32.9	41.1	44.0	47.4	54.4	57.9	62.5	66.1	68.5	70.1	74.3	76.5
50.4	51.4	54.8	58.3	64.0	66.4	69.5	71.7	73.7	74.8	75.5	76.1	76.6	76.5
22.4	37.1	35.5	40.7	50.6	58.7	61.6	65.9	66.6	66.6	67.6	69.8	73.6	76.5
20.0	32.3	34.9	41.7	47.8	51.6	56.7	60.2	63.2	67.7	69.4	71.0	75.2	76.5
21.6	27.8	35.1	42.4	47.5	51.1	55.8	59.5	62.9	66.4	69.0	70.9	74.3	76.5
21.6	24.6	35.0	43.3	48.7	53.7	54.8	60.5	63.0	65.8	68.6	71.0	74.1	76.5
25.8	31.0	38.1	45.3	48.8	54.4	56.4	59.6	62.6	65.8	68.5	71.0	74.1	76.5
25.3	31.8	37.5	42.7	46.7	53.0	58.5	61.1	64.2	67.6	69.5	71.4	74.4	76.5
25.8	33.1	39.5	45.2	51.0	54.2	58.2	61.5	64.2	67.0	69.9	71.8	74.7	76.5
25.9	36.3	42.6	46.4	51.6	54.5	56.2	60.0	63.8	66.5	69.1	70.8	74.1	76.5
28.8	35.6	40.3	45.3	49.5	55.1	58.4	62.1	64.8	67.2	69.9	71.7	74.7	76.5

Table A14 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.7	T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8
108	26+78.3	-21.5	7.0	7.3	7.5	7.9	8.8	10.2	10.5	13.7	15.0
109	26+78.3	-21.5	7.0	7.2	7.7	8.9	10.2	10.3	12.4	15.4	15.8
110	26+78.3	-21.5	7.0	7.3	7.9	8.1	8.7	10.0	9.9	13.6	14.5
111	26+88.3	-20.9	7.0	7.3	7.5	8.0	9.3	10.9	12.4	14.9	16.3
112	26+88.3	-20.9	7.0	7.5	7.7	8.2	8.7	10.8	10.9	14.3	14.2
113	26+88.3	-20.9	7.0	6.9	7.9	8.7	9.1	9.8	12.0	14.0	16.4
114	26+88.3	-20.9	7.0	7.5	7.9	8.9	10.2	12.3	14.5	18.4	21.1
115	26+93.3	-20.6	7.0	7.4	8.0	8.4	9.7	11.8	13.5	16.5	17.7
116	26+93.3	-20.6	7.0	7.3	7.5	8.0	8.5	10.4	10.7	12.0	13.5
117	26+93.3	-20.6	7.0	7.8	8.0	8.4	8.4	9.3	9.4	10.2	12.2
118	26+93.3	-20.6	7.0	7.5	8.2	9.0	11.0	13.0	16.2	20.4	24.2
119	26+95.3	-20.6	7.0	8.0	7.9	8.4	10.5	12.6	14.0	17.0	18.5
120	26+95.3	-20.6	7.0	7.3	7.2	8.0	8.5	10.1	11.4	12.2	14.1
121	26+95.3	-20.6	7.0	7.9	7.8	8.5	8.5	9.9	10.1	11.3	13.0
122	26+95.3	-20.6	7.0	6.6	6.7	7.9	9.3	12.0	14.8	18.1	21.7
123	27+08.1	-24.25	7.0	7.7	8.4	9.2	10.8	12.9	16.0	18.0	20.2
123A	27+08.1	-24.25	7.0	7.3	8.2	8.7	9.3	11.0	12.1	13.9	15.0
124	27+18.1	-24.25	7.0	7.3	7.4	9.0	10.0	12.5	15.3	19.2	21.7
125	27+28.1	-24.25	7.0	7.3	8.0	9.1	11.0	13.5	17.5	21.6	24.2
126	27+38.1	-24.25	7.0	7.2	8.3	8.9	11.6	13.8	18.3	21.9	25.5
127	27+48.1	-24.25	7.0	8.0	8.1	9.8	11.3	14.9	17.8	22.8	26.6
128	27+58.1	-24.25	7.0	6.5	6.6	7.8	9.9	13.1	17.5	22.6	27.3
129	27+68.1	-24.25	7.0	6.9	7.6	8.8	11.4	14.7	19.1	24.0	28.4
130	27+78.1	-24.25	7.0	7.0	8.0	8.3	8.2	10.4	12.1	14.8	19.0
131	27+88.1	-24.25	7.0	6.9	7.3	9.3	10.9	13.9	18.6	24.3	29.4
131A	27+88.1	-24.25	7.0	7.4	7.8	8.4	9.5	11.2	13.8	16.2	18.1
132	26+14.0	-24.25	7.0	9.3	10.0	11.7	16.6	19.1	24.7	31.1	35.0
133	26+22.5	-24.25	7.0	8.9	10.2	12.1	16.7	18.8	25.0	29.6	31.7
134	26+70.0	-17.0	7.0	9.8	10.7	13.2	17.0	20.3	25.8	31.7	35.6
134A	26+70.0	-17.0	7.0	7.3	7.0	6.6	6.2	5.0	3.6	1.5	0.9
135	27+85.0	-17.0	7.0	10.0	9.8	12.7	16.7	20.3	25.3	31.1	35.7

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5	T=180 LC=21.1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2
8.8	10.2	10.5	13.7	15.0	18.9	22.0	29.0	34.3	40.8	45.6	50.0	54.8	57.9	61.8
10.2	10.3	12.4	15.4	15.8	22.2	24.1	29.4	34.6	41.4	46.2	51.2	55.3	60.0	62.8
8.7	10.0	9.9	13.6	14.5	17.9	21.6	29.0	36.1	42.0	46.2	49.6	51.6	55.9	60.0
9.3	10.9	12.4	14.9	16.3	19.8	22.3	30.1	35.8	40.7	46.9	51.1	55.5	58.8	62.1
8.7	10.8	10.9	14.3	14.2	17.7	22.3	28.5	34.7	40.0	45.8	50.2	54.6	58.2	61.6
9.1	9.8	12.0	14.0	16.4	18.5	23.4	29.3	35.0	42.3	46.0	51.5	55.4	59.4	62.9
10.2	12.3	14.5	18.4	21.1	23.5	28.7	35.0	39.9	44.3	47.9	51.7	55.7	59.3	62.5
9.7	11.8	13.5	16.5	17.7	21.9	24.5	30.8	36.9	42.6	47.7	52.2	56.2	59.5	62.9
8.5	10.4	10.7	12.0	13.5	17.3	21.3	27.9	33.9	40.2	45.8	51.3	54.4	58.3	61.5
8.4	9.3	9.4	10.2	12.2	14.4	19.5	26.0	32.9	39.4	43.8	49.3	53.7	58.1	61.4
11.0	13.0	16.2	20.4	24.2	26.7	30.6	36.0	41.7	46.1	50.1	55.1	58.6	62.3	65.0
10.5	12.6	14.0	17.0	18.5	23.0	25.9	33.1	39.7	44.1	47.9	52.4	56.1	59.6	62.9
8.5	10.1	11.4	12.2	14.1	18.7	22.2	28.6	35.7	42.3	47.4	52.3	57.0	61.3	65.5
8.5	9.9	10.1	11.3	13.0	16.5	20.0	27.2	33.0	39.7	44.2	49.7	55.5	58.0	61.4
9.3	12.0	14.8	18.1	21.7	24.8	26.9	33.7	39.7	44.4	48.7	53.1	56.5	60.2	63.9
10.8	12.9	16.0	18.0	20.2	23.3	26.0	31.5	37.8	43.0	47.9	54.0	55.9	59.8	62.6
9.3	11.0	12.1	13.9	15.0	19.8	23.3	29.4	35.7	42.0	46.5	51.6	54.9	59.1	62.7
10.0	12.5	15.3	19.2	21.7	25.2	26.6	33.2	39.0	44.3	49.3	53.2	57.8	60.4	64.2
11.0	13.5	17.5	21.6	24.2	26.9	29.8	36.5	41.1	46.1	50.2	54.4	57.9	61.3	64.2
11.6	13.8	18.3	21.9	25.5	28.8	31.8	36.6	41.7	46.3	50.7	54.7	58.2	62.1	64.0
11.3	14.9	17.8	22.8	26.6	30.4	32.1	37.9	42.4	47.8	51.2	55.3	60.0	61.5	64.6
9.9	13.1	17.5	22.6	27.3	29.7	31.9	37.8	42.8	47.0	51.9	55.1	58.4	61.5	64.2
11.4	14.7	19.1	24.0	28.4	30.9	33.6	39.1	43.7	48.5	52.4	57.0	59.1	61.8	64.1
8.2	10.4	12.1	14.8	19.0	22.8	25.4	31.0	36.7	43.1	47.2	52.3	55.8	59.4	63.3
10.9	13.9	18.6	24.3	29.4	31.2	33.9	39.2	43.8	48.3	52.9	56.1	59.9	61.8	65.6
9.5	11.2	13.8	16.2	18.1	21.9	25.0	32.0	37.1	43.1	47.5	52.3	56.1	60.3	62.9
16.6	19.1	24.7	31.1	35.0	37.8	40.6	44.4	49.0	52.8	55.8	58.9	61.6	64.4	66.7
16.7	18.8	25.0	29.6	31.7	36.9	39.7	44.3	48.0	52.7	55.7	59.7	62.2	64.7	67.1
17.0	20.3	25.8	31.7	35.6	38.7	41.0	45.8	49.7	53.7	56.8	59.7	62.7	65.1	67.6
6.2	5.0	3.6	1.5	0.9	3.9	8.1	16.5	24.7	31.3	38.3	43.5	49.2	52.7	55.9
16.7	20.3	25.3	31.1	35.7	38.1	40.9	44.6	49.6	53.3	56.8	60.4	62.9	65.8	68.4

e Piezometer Readings, Prototype Feet of Water

T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2	T=720 LC=64.9	T=780 LC=67.4	T=840 LC=69.6	T=900 LC=71.7	T=1020 LC=74.4	T=1260 LC=76.5
29.0	34.3	40.8	45.6	50.0	54.8	57.9	61.8	64.6	67.0	69.6	71.5	74.1	76.5
29.4	34.6	41.4	46.2	51.2	55.3	60.0	62.6	65.5	67.7	70.3	72.0	74.7	76.5
29.0	36.1	42.0	46.2	49.6	51.6	55.9	60.0	63.1	66.6	69.1	71.1	74.2	76.5
30.1	35.8	40.7	46.9	51.1	55.5	58.8	62.1	65.1	68.0	70.0	72.0	74.5	76.5
28.5	34.7	40.0	45.8	50.2	54.6	58.2	61.6	64.7	67.5	69.8	71.8	74.6	76.5
29.3	35.0	42.3	46.0	51.5	55.4	59.4	62.9	65.5	68.5	70.6	72.4	75.0	76.5
35.0	39.9	44.3	47.9	51.7	55.7	59.3	62.5	65.6	68.2	70.2	72.2	74.7	76.5
30.8	36.9	42.6	47.7	52.2	56.2	59.5	62.9	65.7	68.4	70.3	72.0	75.2	76.5
27.9	33.9	40.2	45.8	51.3	54.4	58.3	61.5	65.3	67.7	69.9	71.9	74.8	76.5
26.0	32.9	39.4	43.8	49.3	53.7	58.1	61.4	64.6	67.8	69.9	71.5	74.8	76.5
36.0	41.7	46.1	50.1	55.1	58.6	62.3	65.0	68.5	70.6	72.4	74.1	75.5	76.5
33.1	39.7	44.1	47.9	52.4	56.1	59.6	62.9	65.4	67.9	70.1	72.1	74.6	76.5
28.6	35.7	42.3	47.4	52.3	57.0	61.3	65.5	69.0	69.4	70.4	71.4	73.8	76.5
27.2	33.0	39.7	44.2	49.7	55.5	58.0	61.4	64.8	67.7	70.0	71.8	74.7	76.5
33.7	39.7	44.4	48.7	53.1	56.5	60.2	63.9	66.2	68.6	71.3	72.4	75.0	76.5
31.5	37.8	43.0	47.9	54.0	55.9	59.8	62.6	65.5	67.7	70.1	71.7	74.3	76.5
29.4	35.7	42.0	46.5	51.6	54.9	59.1	62.7	65.9	67.7	70.6	71.7	74.5	76.5
33.2	39.0	44.3	49.3	53.2	57.8	60.4	64.2	66.2	69.3	70.7	72.3	75.0	76.5
36.5	41.1	46.1	50.2	54.4	57.9	61.3	64.2	67.7	69.1	70.9	72.6	74.8	76.5
36.6	41.7	46.3	50.7	54.7	58.2	62.1	64.0	66.6	70.1	70.9	72.6	75.4	76.5
37.9	42.4	47.8	51.2	55.3	60.0	61.5	64.6	66.8	69.2	70.9	72.7	75.0	76.5
37.8	42.8	47.0	51.9	55.1	58.4	61.5	64.2	66.8	69.1	72.2	72.5	74.9	76.5
39.1	43.7	48.5	52.4	57.0	59.1	61.8	64.1	66.7	68.7	70.3	72.0	74.3	76.5
31.0	36.7	43.1	47.2	52.3	55.8	59.4	63.3	66.2	68.0	70.8	72.8	74.8	76.5
39.2	43.8	48.3	52.9	56.1	59.9	61.8	65.6	67.2	69.9	71.2	72.7	75.0	76.5
32.0	37.1	43.1	47.5	52.3	56.1	60.3	62.9	67.0	68.1	70.6	72.3	75.4	76.5
44.4	49.0	52.8	55.8	58.9	61.6	64.4	66.7	69.0	70.8	72.1	73.1	75.5	76.5
44.3	48.0	52.7	55.7	59.7	62.2	64.7	67.1	69.0	71.4	72.4	73.5	75.7	76.5
45.8	49.7	53.7	56.8	59.7	62.7	65.1	67.6	69.3	71.0	72.4	74.0	75.4	76.5
16.5	24.7	31.3	38.3	43.5	49.2	52.7	55.9	59.6	63.7	67.6	69.6	73.2	76.5
44.6	49.6	53.3	56.8	60.4	62.9	65.8	68.4	70.5	73.1	75.0	76.0	76.4	76.5

Table A14 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.7	T=30 LC=6.9	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=1 LC=
135A	27+85.0	-17.0	7.0	7.7	7.9	7.3	6.7	5.7	4.2	2.3	1.3	4.3
136	28+60.0	-18.0	7.0	11.1	9.5	13.7	16.0	20.5	25.6	31.6	36.5	38.3
136A	28+60.0	-18.0	7.0	8.0	7.7	7.4	6.6	5.6	4.3	2.8	1.3	4.5
137	28+72.0	-18.0	7.0	11.0	9.8	13.5	16.5	21.1	25.7	31.5	36.1	39.0
137A	28+72.0	-18.0	7.0	8.2	7.8	7.2	6.4	5.1	3.7	1.9	1.4	4.3
161	22+57.6	-24.0	7.0	4.0	3.1	-1.5	-6.6	-5.1	3.3	29.8	39.2	41.1
162	22+57.6	-26.4	7.0	7.1	6.5	3.2	0.9	-0.8	8.4	27.7	37.5	39.6
163	22+60.6	-24.0	7.0	4.4	2.7	-0.8	-2.5	-7.3	2.8	30.5	39.5	40.8
164	22+60.6	-26.4	7.0	6.0	5.8	2.7	-0.3	-0.3	9.7	32.4	40.0	41.6

Average Piezometer Readings, Prototype Feet of Water

	T=45 LC=7.7	T=60 LC=8.7	T=75 LC=9.3	T=90 LC=10.2	T=105 LC=12.1	T=120 LC=13.8	T=150 LC=17.5	T=180 LC=21.1	T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=6(LC=
	7.3	6.7	5.7	4.2	2.3	1.3	4.3	9.1	17.1	24.6	32.2	38.3	44.8	49.7	54.4
	13.7	16.0	20.5	25.6	31.6	36.5	38.3	40.4	45.0	49.2	53.0	56.5	59.9	62.6	64.7
	7.4	6.6	5.6	4.3	2.8	1.3	4.5	8.9	17.5	25.0	32.6	38.2	44.1	49.5	54.6
	13.5	16.5	21.1	25.7	31.5	36.1	39.0	41.3	45.0	49.7	53.1	57.0	59.5	62.4	65.1
	7.2	6.4	5.1	3.7	1.9	1.4	4.3	8.8	16.8	24.7	32.1	38.1	44.3	49.3	54.2
	-1.5	-6.6	-5.1	3.3	29.8	39.2	41.1	43.4	48.1	51.9	55.6	58.3	60.2	61.5	63.3
	3.2	0.9	-0.8	8.4	27.7	37.5	39.6	42.0	46.0	50.0	53.9	57.0	60.2	63.0	65.1
	-0.8	-2.5	-7.3	2.8	30.5	39.5	40.8	43.1	47.7	51.4	54.9	58.2	61.4	64.0	66.7
	2.7	-0.3	-0.3	9.7	32.4	40.0	41.6	43.9	47.8	51.5	55.3	58.4	61.5	64.3	66.7

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=27.2	T=300 LC=34.0	T=360 LC=40.0	T=420 LC=45.3	T=480 LC=49.8	T=540 LC=54.3	T=600 LC=58.0	T=660 LC=62.2	T=720 LC=64.9	T=780 LC=67.4	T=840 LC=69.6	T=900 LC=71.7	T=1020 LC=74.4	T=1260 LC=76.5
17.1	24.6	32.2	38.3	44.8	49.7	54.4	59.1	62.8	65.9	68.9	71.3	74.3	76.5
45.0	49.2	53.0	56.5	59.9	62.6	64.7	67.9	69.0	70.8	72.4	73.6	75.6	76.5
17.5	25.0	32.6	38.2	44.1	49.5	54.6	58.7	63.1	65.7	68.3	70.9	74.4	76.5
45.0	49.7	53.1	57.0	59.5	62.4	65.1	67.0	69.0	70.8	72.3	73.4	75.0	76.5
16.8	24.7	32.1	38.1	44.3	49.3	54.2	58.8	62.7	65.7	68.5	70.6	74.2	76.5
48.1	51.9	55.6	58.3	60.2	61.5	63.3	65.8	68.0	69.8	71.7	73.0	74.9	76.5
46.0	50.0	53.9	57.0	60.2	63.0	65.1	67.5	69.3	70.9	72.2	73.5	75.4	76.5
47.7	51.4	54.9	58.2	61.4	64.0	66.7	68.7	70.8	72.4	73.9	74.6	75.9	76.5
47.8	51.5	55.3	58.4	61.5	64.3	66.7	68.9	70.2	71.4	72.3	73.8	75.3	76.5

(Sheet 6 of 6)

Table A15
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3
1	21+17.8	-16.0	76.5	76.2	76.5	76.0	76.8	76.2	75.7	76.9	76.4	74.7
1A	21+17.8	-16.0	76.5	76.3	75.6	76.1	75.6	76.5	76.5	76.0	76.1	75.8
2	21+25.2	-16.0	76.5	76.6	76.4	76.5	76.7	76.7	76.1	76.3	76.1	75.4
2A	21+25.2	-16.0	76.5	76.2	76.8	77.0	76.3	76.4	76.8	76.4	76.5	76.3
3	21+22.9	-16.0	76.5	77.2	77.3	77.3	76.4	76.3	76.2	75.9	75.8	75.9
3A	21+22.9	-16.0	76.5	76.3	76.3	76.6	76.4	76.4	76.3	76.3	76.3	76.8
4	21+29.5	-16.0	76.5	75.8	75.7	76.3	75.5	75.5	75.0	74.7	74.2	73.3
4A	21+29.5	-16.0	76.5	76.6	76.2	76.3	76.9	76.7	76.2	77.6	77.2	75.9
5	21+39.4	-16.0	76.5	76.3	75.7	75.7	75.7	76.1	75.7	75.2	74.8	74.3
5A	21+39.4	-16.0	76.5	76.5	76.4	76.4	77.7	77.1	76.4	77.2	77.1	76.2
6	21+36.2	-16.0	76.5	76.3	76.7	76.6	76.0	75.8	76.2	75.4	74.9	74.2
6A	21+36.2	-16.0	76.5	77.0	77.0	76.8	76.6	76.4	76.4	76.5	76.3	76.9
7	21+42.5	-16.0	76.5	76.6	76.4	76.2	75.8	75.5	75.1	74.5	73.7	72.3
7A	21+42.5	-16.0	76.5	75.9	76.3	76.4	75.7	75.9	75.6	75.8	75.8	75.9
8	21+53.8	-16.0	76.5	76.3	76.1	76.3	76.8	76.1	75.4	76.2	75.0	73.3
8A	21+53.8	-16.0	76.5	76.1	75.4	75.6	75.7	76.4	75.5	75.6	75.6	75.5
9	21+49.7	-16.0	76.5	76.8	76.6	76.6	76.4	75.6	76.4	76.1	75.8	75.7
9A	21+49.7	-16.0	76.5	78.3	75.9	75.9	76.0	75.8	76.2	76.2	76.0	75.9
10	21+55.9	-16.0	76.5	77.0	76.4	76.6	75.6	75.0	75.5	73.8	73.0	67.1
10A	21+55.9	-16.0	76.5	76.6	76.5	76.8	77.8	76.4	76.4	76.9	76.8	76.3
11	21+70.0	-13.6	76.5	76.5	75.9	75.6	74.7	73.7	72.7	70.4	68.3	62.4
12	21+85.0	-17.0	76.5	76.4	76.3	75.8	75.8	75.2	73.0	72.4	70.3	63.7
13	21+91.0	-17.0	76.5	76.1	75.5	75.0	74.3	73.7	72.0	70.2	68.1	62.6
13A	21+91.0	-17.0	76.5	76.3	76.2	76.2	76.1	77.2	76.0	75.8	75.9	76.2
14	22+05.0	-17.0	76.5	76.0	75.4	75.6	74.0	74.7	71.4	69.5	67.1	61.1
14A	22+05.0	-17.0	76.5	76.7	77.1	78.8	76.6	76.6	75.3	76.5	76.2	76.7
15	22+52.1	-17.0	7.0	9.2	5.3	0.5	-2.1	-3.5	-7.5	-9.9	-10.8	-8.0
15A	22+52.1	-17.0	7.0	7.4	7.3	7.0	7.1	7.1	7.3	6.7	7.0	6.8
16	21+53.5	-17.0	7.0	9.2	3.7	-1.3	-2.0	-5.0	-6.9	-10.9	-10.7	-9.7
17	22+59.1	-16.9	7.0	8.6	3.2	-0.5	-2.0	-6.1	-6.3	-11.3	-9.3	-10.2

ading During Filling Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4 Mi

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T=180 LC=15.0	T=240 LC=21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6
76.0	76.8	76.2	75.7	76.9	76.4	74.7	74.2	73.2	73.4	73.9	73.9	74.4	74.5	74.8
76.1	75.6	76.5	76.5	76.0	76.1	75.8	75.7	76.1	76.2	76.2	76.1	76.0	76.1	76.2
76.5	76.7	76.7	76.1	76.3	76.1	75.4	74.4	74.4	73.9	74.8	74.6	74.9	75.1	75.2
77.0	76.3	76.4	76.8	76.4	76.5	76.3	76.3	76.3	76.4	76.8	76.5	77.0	76.3	76.3
77.3	76.4	76.3	76.2	75.9	75.8	75.9	74.6	74.0	75.4	74.6	74.8	75.0	75.4	75.4
76.6	76.4	76.4	76.3	76.3	76.3	76.8	76.2	76.5	76.2	76.2	76.6	76.2	77.1	77.0
76.3	75.5	75.5	75.0	74.7	74.2	73.3	71.6	70.1	70.4	71.0	72.2	72.5	73.1	73.7
76.3	76.9	76.7	76.2	77.6	77.2	75.9	76.5	75.5	75.8	75.7	75.8	75.8	75.8	76.2
75.7	75.7	76.1	75.7	75.2	74.8	74.3	73.2	72.1	72.7	73.2	73.5	74.2	74.3	74.7
76.4	77.7	77.1	76.4	77.2	77.1	76.2	76.4	76.6	76.4	76.4	76.2	76.1	76.5	76.3
76.6	76.0	75.8	76.2	75.4	74.9	74.2	73.1	71.8	72.2	73.2	73.2	74.4	74.0	74.6
76.8	76.6	76.4	76.4	76.5	76.3	76.9	76.2	76.1	77.3	76.5	76.5	76.4	76.5	76.4
76.2	75.8	75.5	75.1	74.5	73.7	72.3	69.4	66.3	67.1	68.3	70.0	70.7	72.6	72.7
76.4	75.7	75.9	75.6	75.8	75.8	75.9	75.6	76.5	75.9	75.9	76.5	76.0	76.0	76.1
76.3	76.8	76.1	75.4	76.2	75.0	73.3	72.6	70.1	70.5	71.3	71.9	72.8	73.3	73.7
75.6	75.7	76.4	75.5	75.6	75.6	75.5	76.2	75.6	75.8	75.9	76.0	75.8	76.0	76.0
76.6	76.4	75.6	76.4	76.1	75.8	75.7	73.9	72.9	72.4	73.7	73.3	73.8	74.1	74.6
75.9	76.0	75.8	76.2	76.2	76.0	75.9	75.8	76.6	76.1	76.0	75.8	77.1	75.8	76.5
76.6	75.6	75.0	75.5	73.8	73.0	67.1	68.2	64.3	66.6	67.9	68.9	69.9	70.6	71.5
76.8	77.8	76.4	76.4	76.9	76.8	76.3	76.1	76.3	76.2	76.2	76.3	76.5	76.7	76.5
75.6	74.7	73.7	72.7	70.4	68.3	62.4	55.8	46.0	51.4	52.6	56.2	59.4	61.9	64.6
75.8	75.8	75.2	73.0	72.4	70.3	63.7	57.6	47.6	50.7	54.4	58.0	61.1	64.0	66.7
75.0	74.3	73.7	72.0	70.2	68.1	62.6	56.2	46.3	49.2	53.1	56.4	59.1	62.3	64.6
76.2	76.1	77.2	76.0	75.8	75.9	76.2	75.6	76.0	75.5	77.2	75.8	75.8	75.9	75.9
75.6	74.0	74.7	71.4	69.5	67.1	61.1	53.8	43.9	47.0	50.7	54.4	59.8	61.3	63.1
78.8	76.6	76.6	75.3	76.5	76.2	76.7	76.1	75.6	77.4	76.2	76.5	76.4	75.9	75.8
0.5	-2.1	-3.5	-7.5	-9.9	-10.8	-8.0	-0.7	40.3	45.7	50.1	54.0	57.3	59.9	62.6
7.0	7.1	7.1	7.3	6.7	7.0	6.8	6.6	8.0	11.3	14.4	22.1	29.6	36.9	43.6
-1.3	-2.0	-5.0	-6.9	-10.9	-10.7	-9.7	2.1	32.6	35.9	41.6	46.7	51.5	55.5	59.1
-0.5	-2.0	-6.1	-6.3	-11.3	-9.3	-10.2	4.8	42.6	47.0	51.2	54.6	58.1	61.1	63.6

.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4 Min (Constant Speed Gate), Single Valve Operation

e Piezometer Readings, Prototype Feet of Water

240 =21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5	T=720 LC=61.9	T=780 LC=64.9	T=840 LC=67.5	T=900 LC=69.8	T=1020 LC=73.3	T=1260 LC=76.5
2	73.4	73.9	73.9	74.4	74.5	74.8	74.9	75.2	76.5	75.6	75.6	75.7	76.5
1	76.2	76.2	76.1	76.0	76.1	76.2	76.2	76.1	76.4	76.5	76.2	76.6	76.5
4	73.9	74.8	74.6	74.9	75.1	75.2	75.4	75.8	75.9	76.0	76.1	76.2	76.5
3	76.4	76.8	76.5	77.0	76.3	76.3	76.3	76.4	76.3	76.5	76.4	77.1	76.5
0	75.4	74.6	74.8	75.0	75.4	75.4	76.3	75.7	76.1	76.1	76.4	76.4	76.5
5	76.2	76.2	76.6	76.2	77.1	77.0	77.0	76.6	76.4	77.4	77.2	76.5	76.5
1	70.4	71.0	72.2	72.5	73.1	73.7	74.2	75.3	74.9	75.5	75.9	76.0	76.5
5	75.8	75.7	75.8	75.8	75.8	76.2	75.8	75.7	77.1	76.0	75.8	75.6	76.5
1	72.7	73.2	73.5	74.2	74.3	74.7	75.0	75.3	75.5	75.8	76.2	76.3	76.5
6	76.4	76.4	76.2	76.1	76.5	76.3	76.3	76.6	76.5	76.4	76.6	76.4	76.5
9	72.2	73.2	73.2	74.4	74.0	74.6	74.8	75.1	75.3	75.7	75.9	76.4	76.5
1	77.3	76.5	76.5	76.4	76.5	76.4	77.1	76.6	76.5	76.5	76.4	76.5	76.5
3	67.1	68.3	70.0	70.7	72.6	72.7	73.7	73.6	74.2	75.5	75.7	75.7	76.5
5	75.9	75.9	76.5	76.0	76.0	76.1	76.4	77.0	76.4	76.2	76.9	76.3	76.5
1	70.5	71.3	71.9	72.8	73.3	73.7	74.4	74.6	76.2	75.4	75.6	76.0	76.5
6	75.8	75.9	76.0	75.8	76.0	76.0	76.2	76.1	76.2	76.5	76.5	76.5	76.5
9	72.4	73.7	73.3	73.8	74.1	74.6	74.8	75.2	75.4	75.5	75.7	76.1	76.5
6	76.1	76.0	75.8	77.1	75.8	76.5	76.0	76.9	76.2	76.1	76.5	76.7	76.5
3	66.6	67.9	68.9	69.9	70.6	71.5	74.1	72.8	73.8	74.2	74.8	75.4	76.5
3	76.2	76.2	76.3	76.5	76.7	76.5	77.2	76.2	76.6	76.6	76.8	76.6	76.5
0	51.4	52.6	56.2	59.4	61.9	64.6	66.6	68.6	70.1	71.6	72.8	75.0	76.5
6	50.7	54.4	58.0	61.1	64.0	66.7	69.3	70.9	72.7	73.9	75.4	77.2	76.5
3	49.2	53.1	56.4	59.1	62.3	64.6	66.3	68.4	70.3	71.6	73.2	74.9	76.5
0	75.5	77.2	75.8	75.8	75.9	75.9	75.9	75.8	76.2	75.8	76.0	76.4	76.5
9	47.0	50.7	54.4	59.8	61.3	63.1	66.0	69.3	70.1	71.5	72.7	75.1	76.5
6	77.4	76.2	76.5	76.4	75.9	75.8	76.9	76.0	75.8	75.9	76.2	75.8	76.5
3	45.7	50.1	54.0	57.3	59.9	62.6	65.1	67.4	69.4	71.1	72.2	74.6	76.5
	11.3	14.4	22.1	29.6	36.9	43.6	49.3	54.4	58.9	63.0	66.8	71.8	76.5
6	35.9	41.6	46.7	51.5	55.5	59.1	62.8	65.1	68.2	70.7	74.0	75.6	76.5
6	47.0	51.2	54.6	58.1	61.1	63.6	66.5	68.2	70.3	71.5	73.3	74.7	76.5

Table A15 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T L
18	22+62.6	-16.8	7.0	8.9	4.3	2.2	-2.3	-4.2	-6.2	-10.0	-12.6	-9.2	1
19	22+69.1	-16.6	7.0	9.6	6.6	2.0	-0.2	-2.2	-5.2	-7.3	-6.3	4.5	1
20	22+76.6	-16.5	7.0	10.3	7.1	4.5	5.3	5.0	-0.7	-0.6	0.3	10.4	2
21	22+90.6	-16.5	7.0	10.5	9.0	8.1	10.0	8.3	3.4	12.5	13.0	23.1	2
21A	22+90.6	-16.5	7.0	7.1	7.6	7.4	7.5	7.6	7.5	7.7	7.3	7.5	7.
22	23+50.0	-16.5	7.0	9.6	8.9	9.4	10.8	11.6	14.0	16.6	18.8	23.7	3
23	24+50.0	-16.5	7.0	9.2	8.3	9.1	10.7	11.8	13.1	15.7	17.0	22.2	2
24	25+50.0	-16.5	7.0	8.0	8.2	8.5	10.2	10.5	12.3	13.2	15.9	20.1	2
24A	25+50.0	-16.5	7.0	7.4	7.5	7.6	7.7	7.6	7.4	8.0	7.5	7.6	7.
25	26+04.3	-24.25	7.0	7.9	8.5	8.7	10.3	10.8	12.7	14.0	17.2	22.3	2
26	25+95.9	-24.25	7.0	7.8	8.0	7.6	8.5	8.3	9.6	9.7	11.0	12.5	1
27	26+09.2	-17.0	7.0	8.1	8.1	8.3	9.2	9.9	10.7	11.8	13.1	16.6	1
27A	26+09.2	-17.0	7.0	7.3	7.3	7.6	7.4	7.5	7.5	7.4	7.4	7.3	7.
28	26+01.3	-20.1	7.0	7.4	7.2	7.3	6.9	6.9	6.1	5.4	4.7	2.0	-2.
29	26+12.4	-20.1	7.0	7.7	7.8	8.2	8.9	9.7	10.9	12.3	13.4	16.9	2
30	25+96.0	-20.1	7.0	7.3	7.6	7.3	7.1	6.9	7.1	7.2	7.0	7.2	7.
31	26+04.5	-20.1	7.0	7.6	7.8	8.1	8.7	9.6	10.6	12.0	13.2	16.7	2
32	25+88.1	-20.1	7.0	7.6	7.4	7.4	7.1	6.6	6.5	5.6	3.6	1.2	-3.
33	25+92.6	-20.1	7.0	7.6	7.5	7.8	8.7	9.3	10.3	11.4	12.0	15.3	1
34	26+01.3	-28.4	7.0	7.5	7.5	7.3	7.8	7.7	7.6	7.8	7.7	7.8	7.
35	26+12.4	-28.4	7.0	7.3	7.2	7.3	7.5	7.5	7.5	7.5	7.5	7.3	6.
36	25+96.0	-28.4	7.0	7.3	7.1	7.0	7.1	7.0	6.9	7.3	6.9	7.0	6.
37	26+04.1	-28.4	7.0	7.3	7.6	7.3	7.6	7.3	7.6	7.5	7.4	7.1	7.
38	25+88.1	-28.4	7.0	7.4	7.4	7.0	7.9	7.5	7.6	7.8	7.4	7.4	6.
39	25+92.6	-28.4	7.0	7.0	7.2	7.2	7.0	7.0	7.1	7.3	7.3	7.1	6.
40	25+75.0	-24.1	7.0	7.3	7.2	7.2	7.3	7.5	7.8	7.6	7.2	7.2	6.
41	25+75.0	-24.1	7.0	7.4	7.5	7.4	7.6	7.5	7.4	8.0	7.5	8.2	5.
42	25+70.0	-24.0	7.0	7.5	7.4	7.3	7.5	7.1	7.4	7.5	6.8	4.6	2.
43	25+70.0	-24.0	7.0	7.3	7.3	7.3	7.2	7.0	6.9	7.0	6.1	5.8	3.
44	25+65.0	-23.1	7.0	7.4	7.4	7.8	8.4	7.9	8.1	8.9	4.7	8.4	10.
45	25+65.0	-23.1	7.0	7.4	7.7	7.4	8.0	7.7	8.0	8.0	7.8	7.7	7.

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T=180 LC=15.0	T=240 LC=21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5
2.2	-2.3	-4.2	-6.2	-10.0	-12.6	-9.2	10.7	32.6	46.8	51.2	54.4	57.9	60.7	63.5	65.9
2.0	-0.2	-2.2	-5.2	-7.3	-6.3	4.5	19.7	40.0	44.3	48.5	52.8	56.1	59.6	62.3	65.0
4.5	5.3	5.0	-0.7	-0.6	0.3	10.4	24.4	39.8	44.1	48.2	52.2	55.6	59.1	61.8	63.7
8.1	10.0	8.3	3.4	12.5	13.0	23.1	29.5	40.2	44.4	48.6	53.0	56.2	59.6	62.5	64.9
7.4	7.5	7.6	7.5	7.7	7.3	7.5	7.3	9.0	16.5	24.1	31.1	37.5	43.5	48.9	54.0
9.4	10.8	11.6	14.0	16.6	18.8	23.7	30.7	38.5	43.3	47.4	52.2	55.1	58.9	61.6	64.2
9.1	10.7	11.8	13.1	15.7	17.0	22.2	29.2	38.4	43.2	46.8	49.7	53.2	56.9	60.4	63.3
8.5	10.2	10.5	12.3	13.2	15.9	20.1	26.4	34.4	38.9	44.5	48.2	53.2	56.6	60.1	63.3
7.6	7.7	7.6	7.4	8.0	7.5	7.6	7.2	9.2	16.8	24.4	32.1	38.7	44.2	49.7	54.4
8.7	10.3	10.8	12.7	14.0	17.2	22.3	29.6	41.3	44.6	49.7	53.0	56.6	60.1	62.5	65.6
7.6	8.5	8.3	9.6	9.7	11.0	12.5	15.3	19.5	25.5	32.9	37.9	44.2	49.7	53.6	58.0
8.3	9.2	9.9	10.7	11.8	13.1	16.6	19.8	26.7	32.4	38.9	44.5	49.3	52.6	57.3	60.4
7.6	7.4	7.5	7.5	7.4	7.4	7.3	7.5	8.9	16.5	24.3	31.8	38.3	44.1	49.5	54.1
7.3	6.9	6.9	6.1	5.4	4.7	2.0	-2.2	-3.8	5.0	13.7	22.2	30.2	37.7	44.1	50.7
8.2	8.9	9.7	10.9	12.3	13.4	16.9	20.4	29.7	35.5	40.7	45.1	50.4	55.3	59.9	63.5
7.3	7.1	6.9	7.1	7.2	7.0	7.2	7.0	1.2	7.2	7.1	9.3	21.1	30.2	38.3	45.7
8.1	8.7	9.6	10.6	12.0	13.2	16.7	21.0	28.6	35.1	40.4	45.7	49.9	53.6	57.0	59.6
7.4	7.1	6.6	6.5	5.6	3.6	1.2	-3.8	-5.0	4.3	13.9	24.5	35.3	38.0	41.5	48.4
7.8	8.7	9.3	10.3	11.4	12.0	15.3	17.8	25.6	32.9	38.5	44.8	50.4	57.0	60.2	61.3
7.3	7.8	7.7	7.6	7.8	7.7	7.8	7.0	8.7	17.2	24.6	31.6	38.1	44.2	49.6	54.2
7.3	7.5	7.5	7.5	7.5	7.5	7.3	6.8	8.4	17.3	25.5	32.4	39.1	45.2	51.0	55.5
7.0	7.1	7.0	6.9	7.3	6.9	7.0	6.8	7.1	13.4	20.8	28.2	33.8	38.3	42.2	45.9
7.3	7.6	7.3	7.6	7.5	7.4	7.1	7.1	8.2	14.1	19.7	25.6	32.5	38.3	43.7	47.2
7.0	7.9	7.5	7.6	7.8	7.4	7.4	6.6	8.1	17.8	26.3	34.3	43.9	50.3	50.3	51.3
7.2	7.0	7.0	7.1	7.3	7.3	7.1	6.9	7.3	13.0	20.7	27.8	34.5	41.1	46.8	52.0
7.2	7.3	7.5	7.8	7.6	7.2	7.2	6.9	7.3	16.2	24.3	30.7	37.6	43.2	48.3	52.9
7.4	7.6	7.5	7.4	8.0	7.5	8.2	5.8	9.6	19.0	24.1	29.2	37.9	42.8	48.4	52.1
7.3	7.5	7.1	7.4	7.5	6.8	4.6	2.2	0.0	12.3	24.2	30.4	35.8	42.4	47.8	53.3
7.3	7.2	7.0	6.9	7.0	6.1	5.8	3.4	2.8	10.5	20.7	30.9	37.2	45.4	49.4	52.4
7.8	8.4	7.9	8.1	8.9	4.7	8.4	10.0	10.1	17.2	24.4	32.5	40.2	46.9	50.2	55.0
7.4	8.0	7.7	8.0	8.0	7.8	7.7	7.4	10.4	17.7	28.6	30.6	37.0	43.9	48.9	53.9

Piezometer Readings, Prototype Feet of Water

0 21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5	T=720 LC=61.9	T=780 LC=64.9	T=840 LC=67.5	T=900 LC=69.8	T=1020 LC=73.3	T=1260 LC=76.5
	46.8	51.2	54.4	57.9	60.7	63.5	65.9	68.1	69.8	71.3	72.6	74.5	76.5
	44.3	48.5	52.8	56.1	59.6	62.3	65.0	67.3	69.3	71.0	72.5	74.9	76.5
	44.1	48.2	52.2	55.6	59.1	61.8	63.7	66.4	68.4	69.8	71.6	73.8	76.5
	44.4	48.6	53.0	56.2	59.6	62.5	64.9	67.3	69.4	70.9	72.5	74.9	76.5
	16.5	24.1	31.1	37.5	43.5	48.9	54.0	58.5	61.9	65.6	68.6	72.9	76.5
	43.3	47.4	52.2	55.1	58.9	61.6	64.2	66.9	69.0	71.0	72.1	74.4	76.5
	43.2	46.8	49.7	53.2	56.9	60.4	63.3	65.9	68.0	70.2	71.7	74.4	76.5
	38.9	44.5	48.2	53.2	56.6	60.1	63.3	65.5	68.3	70.2	71.9	74.5	76.5
	16.8	24.4	32.1	38.7	44.2	49.7	54.4	58.5	62.3	65.8	68.6	73.0	76.5
	44.6	49.7	53.0	56.6	60.1	62.5	65.6	67.0	69.4	71.0	72.6	74.8	76.5
	25.5	32.9	37.9	44.2	49.7	53.6	58.0	61.6	64.7	67.4	69.7	73.6	76.5
	32.4	38.9	44.5	49.3	52.6	57.3	60.4	63.5	66.2	69.0	70.7	73.9	76.5
	16.5	24.3	31.8	38.3	44.1	49.5	54.1	58.6	62.4	65.6	68.6	72.6	76.5
	5.0	13.7	22.2	30.2	37.7	44.1	50.7	55.2	59.5	63.7	67.3	72.0	76.5
	35.5	40.7	45.1	50.4	55.3	59.9	63.5	65.3	67.6	69.5	71.1	73.3	76.5
	7.2	7.1	9.3	21.1	30.2	38.3	45.7	51.0	56.3	61.0	65.3	71.0	76.5
	35.1	40.4	45.7	49.9	53.6	57.0	59.6	62.3	65.0	67.7	69.8	73.3	76.5
	4.3	13.9	24.5	35.3	38.0	41.5	48.4	53.5	58.4	62.9	66.9	71.8	76.5
	32.9	38.5	44.8	50.4	57.0	60.2	61.3	62.0	64.0	67.2	69.5	73.6	76.5
	17.2	24.6	31.6	38.1	44.2	49.6	54.2	58.4	62.4	65.6	68.3	72.5	76.5
	17.3	25.5	32.4	39.1	45.2	51.0	55.5	59.7	63.4	66.7	68.9	73.0	76.5
	13.4	20.8	28.2	33.8	38.3	42.2	45.9	52.8	64.1	67.4	70.1	74.3	76.5
	14.1	19.7	25.6	32.5	38.3	43.7	47.2	50.5	61.3	64.6	67.8	72.4	76.5
	17.8	26.3	34.3	43.9	50.3	50.3	51.3	55.7	60.5	64.1	67.3	72.2	76.5
	13.0	20.7	27.8	34.5	41.1	46.8	52.0	56.4	60.9	64.4	67.3	72.1	76.5
	16.2	24.3	30.7	37.6	43.2	48.3	52.9	57.0	61.1	64.7	67.4	72.5	76.5
	19.0	24.1	29.2	37.9	42.8	48.4	52.1	56.1	59.5	63.6	66.5	71.2	76.5
	12.3	24.2	30.4	35.8	42.4	47.8	53.3	57.1	61.3	64.8	67.7	72.3	76.5
	10.5	20.7	30.9	37.2	45.4	49.4	52.4	56.6	61.1	64.4	67.7	72.2	76.5
	17.2	24.4	32.5	40.2	46.9	50.2	55.0	59.0	64.0	66.6	68.6	72.9	76.5
	17.7	28.6	30.6	37.0	43.9	48.9	53.9	58.3	61.8	65.4	68.3	72.1	76.5

Table A15 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3
46	25+65.0	-23.1	7.0	7.6	8.0	8.4	9.9	10.9	12.9	15.1	18.6	21.8
47	25+60.0	-22.7	7.0	7.3	7.2	7.2	7.6	7.4	8.0	8.3	9.1	8.9
48	25+60.0	-22.7	7.0	7.4	7.3	7.5	8.1	7.8	8.2	8.7	9.7	9.4
49	25+60.0	-22.7	7.0	7.3	7.5	7.7	8.3	8.3	8.2	9.2	9.2	10.7
50	25+60.0	-22.7	7.0	7.3	7.6	7.5	8.2	8.4	8.3	9.1	9.8	10.7
51	25+50.0	-22.1	7.0	7.3	7.5	7.6	7.9	8.2	8.3	9.0	9.6	10.1
52	25+50.0	-22.1	7.0	7.5	7.7	7.7	8.1	8.5	8.5	9.7	10.7	12.0
53	25+50.0	-22.1	7.0	7.4	7.6	8.2	8.7	9.0	9.9	10.7	11.2	13.9
54	25+50.0	-22.1	7.0	7.3	7.7	7.7	8.5	8.8	9.5	10.1	11.4	12.8
55	25+40.0	-21.5	7.0	7.0	7.4	7.4	7.8	8.1	8.7	9.2	10.1	11.8
56	25+40.0	-21.5	7.0	6.8	6.9	7.1	7.5	7.7	8.5	8.9	9.7	11.9
57	25+40.0	-21.5	7.0	6.9	7.4	7.5	8.3	8.8	9.4	10.3	11.4	14.5
58	25+40.0	-21.5	7.0	7.1	7.2	7.6	8.2	8.7	9.2	10.6	11.6	13.6
59	25+30.0	-20.9	7.0	6.9	7.3	7.3	7.9	8.5	9.2	9.9	10.7	13.8
60	25+30.0	-20.9	7.0	7.2	7.7	7.9	8.4	9.1	8.8	9.6	11.3	12.0
61	25+30.0	-20.9	7.0	7.4	7.5	7.7	8.4	8.8	9.4	10.1	11.3	13.7
62	25+30.0	-20.9	7.0	7.1	7.7	7.7	8.5	9.4	9.9	11.0	12.5	15.0
63	25+25.0	-20.9	7.0	7.1	7.6	7.7	8.1	8.8	9.4	10.7	11.5	14.5
64	25+25.0	-20.6	7.0	7.1	7.4	7.3	7.7	8.1	8.7	9.5	10.1	12.6
65	25+25.0	-20.6	7.0	7.1	7.4	7.7	8.1	8.6	8.6	9.6	9.9	11.1
66	25+25.0	-20.6	7.0	7.0	7.4	7.7	8.3	9.3	10.3	11.5	12.7	17.0
68	25+23.0	-20.6	7.0	7.2	7.5	7.6	7.8	8.3	8.9	9.6	10.4	12.3
69	25+23.0	-20.6	7.0	7.2	7.5	7.7	8.1	8.7	9.0	10.0	10.6	12.1
70	25+23.0	-20.6	7.0	7.0	7.2	7.6	8.2	9.0	10.2	11.3	12.8	16.2
71	25+10.2	-24.25	7.0	7.2	7.2	7.7	8.2	9.1	10.1	10.8	12.6	15.9
71A	25+10.2	-24.25	7.0	6.9	7.1	7.3	7.9	7.9	8.4	9.0	9.6	11.6
72	25+00.2	-24.25	7.0	7.2	7.4	7.8	8.4	9.0	10.1	10.8	12.7	16.9
73	24+90.2	-24.25	7.0	7.1	7.5	7.8	8.5	9.6	10.6	11.9	13.9	18.6
74	24+80.2	-24.25	7.0	7.2	7.3	7.9	8.5	9.3	10.1	12.0	13.7	18.5
75	24+70.2	-24.25	7.0	7.2	7.3	7.7	8.4	9.5	10.6	12.3	14.0	18.8
76	24+60.2	-24.25	7.0	7.1	7.3	7.9	8.7	9.7	10.7	12.6	14.2	19.6

Average Piezometer Readings, Prototype Feet of Water

.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T=180 LC=15.0	T=240 LC=21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6
	8.4	9.9	10.9	12.9	15.1	18.6	21.8	31.0	47.0	55.2	57.6	58.2	59.5	62.2	63.8
	7.2	7.6	7.4	8.0	8.3	9.1	8.9	9.7	12.3	23.8	28.9	32.1	39.8	44.6	51.8
	7.5	8.1	7.8	8.2	8.7	9.7	9.4	11.2	12.3	23.7	29.4	33.6	41.0	44.6	51.6
	7.7	8.3	8.3	8.2	9.2	9.2	10.7	10.0	15.6	22.0	28.6	36.1	41.7	48.0	52.1
	7.5	8.2	8.4	8.3	9.1	9.8	10.7	9.3	14.2	21.7	28.8	35.4	43.4	48.1	51.0
	7.6	7.9	8.2	8.3	9.0	9.6	10.1	13.4	16.5	25.9	31.1	40.3	43.3	47.9	53.2
	7.7	8.1	8.5	8.5	9.7	10.7	12.0	14.0	16.9	28.0	33.8	38.7	44.8	47.5	53.6
	8.2	8.7	9.0	9.9	10.7	11.2	13.9	16.0	23.4	29.6	36.8	42.1	44.7	48.8	53.5
	7.7	8.5	8.8	9.5	10.1	11.4	12.8	14.5	22.3	28.1	35.6	38.9	46.4	50.1	53.5
	7.4	7.8	8.1	8.7	9.2	10.1	11.8	14.5	23.1	28.4	35.4	39.8	45.2	50.5	54.4
	7.1	7.5	7.7	8.5	8.9	9.7	11.9	14.0	21.5	27.9	34.0	39.4	44.8	49.7	54.1
	7.5	8.3	8.8	9.4	10.3	11.4	14.5	17.5	24.0	30.3	37.2	42.4	48.0	51.8	56.3
	7.6	8.2	8.7	9.2	10.6	11.6	13.6	18.4	25.3	31.5	35.9	43.1	47.7	53.3	57.1
	7.3	7.9	8.5	9.2	9.9	10.7	13.8	15.7	22.8	29.8	36.2	41.4	46.5	51.6	55.2
	7.9	8.4	9.1	8.8	9.6	11.3	12.0	14.9	22.0	28.6	34.4	40.0	45.2	49.8	55.0
	7.7	8.4	8.8	9.4	10.1	11.3	13.7	16.8	23.2	29.8	36.2	42.2	47.8	51.2	55.7
	7.7	8.5	9.4	9.9	11.0	12.5	15.0	20.1	26.0	33.5	39.3	43.6	49.6	52.9	57.4
	7.7	8.1	8.8	9.4	10.7	11.5	14.5	17.5	24.7	31.5	37.2	42.1	47.3	52.1	55.9
	7.3	7.7	8.1	8.7	9.5	10.1	12.6	14.9	21.3	27.6	33.5	39.8	45.2	49.8	53.8
	7.7	8.1	8.6	8.6	9.6	9.9	11.1	13.5	18.6	25.7	32.2	38.6	43.8	49.4	53.7
	7.7	8.3	9.3	10.3	11.5	12.7	17.0	21.3	30.0	36.3	41.7	46.8	52.7	54.8	58.7
	7.6	7.8	8.3	8.9	9.6	10.4	12.3	15.0	21.5	28.2	34.5	40.2	45.2	50.2	54.5
	7.7	8.1	8.7	9.0	10.0	10.6	12.1	15.2	21.4	28.0	34.1	39.8	45.2	50.2	54.2
	7.6	8.2	9.0	10.2	11.3	12.8	16.2	20.6	29.4	35.4	41.1	46.3	51.1	54.7	57.6
	7.7	8.2	9.1	10.1	10.8	12.6	15.9	19.7	27.7	34.1	39.2	43.9	49.1	53.7	57.2
	7.3	7.9	7.9	8.4	9.0	9.6	11.6	13.6	23.3	26.1	30.8	37.4	42.9	48.0	51.7
	7.8	8.4	9.0	10.1	10.8	12.7	16.9	21.6	29.5	36.5	41.0	45.9	50.7	54.9	58.4
	7.8	8.5	9.6	10.6	11.9	13.9	18.6	23.7	33.8	40.4	45.6	51.4	57.6	62.3	62.8
	7.9	8.5	9.3	10.1	12.0	13.7	18.5	24.0	34.1	40.0	44.4	49.0	53.0	56.7	60.0
	7.7	8.4	9.5	10.6	12.3	14.0	18.8	24.6	36.0	41.4	45.9	50.5	54.0	57.6	60.7
	7.9	8.7	9.7	10.7	12.6	14.2	19.6	25.7	37.3	42.7	47.0	51.3	54.7	58.0	61.2

Piezometer Readings, Prototype Feet of Water

40 21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5	T=720 LC=61.9	T=780 LC=64.9	T=840 LC=67.5	T=900 LC=69.8	T=1020 LC=73.3	T=1260 LC=76.5
	55.2	57.6	58.2	59.5	62.2	63.8	66.5	67.5	69.3	70.9	71.9	74.1	76.5
	23.8	28.9	32.1	39.8	44.6	51.8	54.8	60.0	63.3	65.9	68.7	72.6	76.5
	23.7	29.4	33.6	41.0	44.6	51.6	55.3	60.1	63.7	66.7	69.2	72.7	76.5
	22.0	28.6	36.1	41.7	48.0	52.1	56.6	60.2	63.4	66.7	69.3	72.8	76.5
	21.7	28.8	35.4	43.4	48.1	51.0	58.5	60.9	63.9	66.8	69.3	73.2	76.5
	25.9	31.1	40.3	43.3	47.9	53.2	56.8	60.4	63.6	66.9	69.4	73.2	76.5
	28.0	33.8	38.7	44.8	47.5	53.6	57.0	60.9	64.6	67.1	69.5	73.2	76.5
	29.6	36.8	42.1	44.7	48.8	53.5	57.5	61.2	64.2	67.1	69.3	73.1	76.5
	28.1	35.6	38.9	46.4	50.1	53.5	59.4	61.7	65.6	68.4	70.2	73.4	76.5
	28.4	35.4	39.8	45.2	50.5	54.4	58.2	62.3	65.2	67.1	70.0	73.6	76.5
	27.9	34.0	39.4	44.8	49.7	54.1	58.2	61.6	64.6	67.6	69.7	73.3	76.5
	30.3	37.2	42.4	48.0	51.8	56.3	59.6	63.0	65.5	67.9	70.1	73.7	76.5
	31.5	35.9	43.1	47.7	53.3	57.1	61.0	63.2	66.5	68.6	70.7	74.1	76.5
	29.8	36.2	41.4	46.5	51.6	55.2	59.1	62.5	65.7	68.0	70.0	73.6	76.5
	28.6	34.4	40.0	45.2	49.8	55.0	57.7	62.1	65.1	67.6	70.1	73.5	76.5
	29.8	36.2	42.2	47.8	51.2	55.7	59.4	62.4	65.6	67.9	70.2	73.7	76.5
	33.5	39.3	43.6	49.6	52.9	57.4	60.4	63.5	66.3	68.9	70.7	74.0	76.5
	31.5	37.2	42.1	47.3	52.1	55.9	59.3	62.5	65.3	67.7	70.1	73.3	76.5
	27.6	33.5	39.8	45.2	49.8	53.8	57.9	61.4	64.5	67.5	69.7	73.2	76.5
	25.7	32.2	38.6	43.8	49.4	53.7	57.8	61.6	64.8	67.3	69.7	73.2	76.5
	36.3	41.7	46.8	52.7	54.8	58.7	61.8	64.6	67.1	69.3	71.1	74.1	76.5
	28.2	34.5	40.2	45.2	50.2	54.5	58.3	61.7	64.9	67.4	69.8	73.3	76.5
	28.0	34.1	39.8	45.2	50.2	54.2	58.4	61.9	65.0	67.6	69.9	73.5	76.5
	35.4	41.1	46.3	51.1	54.7	57.6	61.2	64.3	66.6	68.7	70.7	73.9	76.5
	34.1	39.2	43.9	49.1	53.7	57.2	61.2	64.2	67.1	69.5	71.4	74.3	76.5
	26.1	30.8	37.4	42.9	48.0	51.7	54.8	57.7	59.9	67.7	70.6	73.6	76.5
	36.5	41.0	45.9	50.7	54.9	58.4	61.6	64.5	67.2	69.3	70.9	74.1	76.5
	40.4	45.6	51.4	57.6	62.3	62.8	63.6	65.4	67.1	68.7	70.7	73.8	76.5
	40.0	44.4	49.0	53.0	56.7	60.0	62.9	65.3	67.8	69.8	71.4	74.1	76.5
	41.4	45.9	50.5	54.0	57.6	60.7	63.2	66.0	68.1	69.8	71.6	74.4	76.5
	42.7	47.0	51.3	54.7	58.0	61.2	63.7	65.9	68.1	70.1	71.9	74.2	76.5

Table A15 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3
77	24+50.2	-24.25	7.0	7.4	7.1	7.8	8.3	9.3	10.2	12.5	14.3	20.2
78	24+40.2	-24.25	7.0	7.6	7.4	8.0	8.4	9.8	11.2	12.9	15.1	20.6
79	24+30.2	-24.25	7.0	7.1	7.1	7.7	8.5	9.7	10.9	12.8	15.0	20.8
79A	24+30.2	-24.25	7.0	6.8	7.0	7.2	7.8	8.3	9.1	9.7	11.0	13.9
80	26+17.0	-28.4	7.0	7.5	7.5	7.3	7.0	7.0	6.4	5.6	4.8	3.6
81	26+06.0	-28.4	7.0	7.6	7.5	7.9	8.4	9.3	9.6	10.7	11.4	15.6
82	26+22.4	-28.4	7.0	7.4	7.4	7.1	7.2	6.8	6.3	5.8	4.7	3.8
83	26+13.9	-28.4	7.0	7.4	7.8	7.4	8.3	9.1	9.7	10.5	11.5	15.6
84	26+30.3	-28.4	7.0	7.4	7.8	7.3	7.2	6.8	6.5	5.8	4.7	2.9
85	26+25.7	-28.4	7.0	7.4	7.6	7.5	8.2	8.6	9.5	10.5	11.4	14.6
86	26+17.0	-20.1	7.0	7.1	7.2	7.1	7.2	7.0	7.3	7.3	7.1	7.1
87	26+06.0	-20.1	7.0	7.3	7.3	7.1	7.3	7.4	7.5	7.4	7.4	7.4
88	26+22.4	-20.1	7.0	7.3	7.5	7.2	7.5	7.6	7.5	7.5	7.4	7.3
89	26+13.9	-20.1	7.0	7.5	7.6	7.4	7.6	7.6	7.6	7.8	7.4	7.2
90	26+30.3	-20.1	7.0	7.1	7.1	7.0	7.3	7.2	7.2	7.4	6.9	6.8
91	26+25.7	-20.1	7.0	7.1	7.3	7.3	7.4	7.8	7.3	7.3	7.3	7.2
92	26+43.3	-24.1	7.0	7.2	7.5	7.2	7.3	7.3	7.4	7.4	7.1	6.8
93	26+43.3	-24.1	7.0	7.2	7.4	7.2	7.7	7.4	6.9	7.2	6.9	6.1
94	26+48.3	-24.0	7.0	6.8	7.0	7.2	7.0	7.5	7.3	7.1	6.7	8.0
95	26+48.3	-24.0	7.0	7.1	7.1	6.8	6.5	7.0	7.1	6.0	7.0	5.4
96	26+53.3	-23.1	7.0	7.1	7.0	6.9	7.0	7.1	7.0	7.4	4.1	1.3
97	26+53.3	-23.1	7.0	7.1	7.4	7.1	7.2	7.6	6.3	8.4	8.2	7.4
98	26+53.3	-23.1	7.0	7.4	7.8	8.1	9.0	9.9	10.6	13.0	16.1	19.0
99	26+58.3	-22.7	7.0	7.1	7.1	7.1	7.5	7.5	8.2	9.0	8.0	9.5
100	26+58.3	-22.7	7.0	7.3	7.5	7.3	7.7	7.5	7.7	9.2	7.8	8.1
101	26+58.3	-22.7	7.0	7.3	7.7	7.3	7.9	7.9	7.7	8.6	8.4	10.3
102	26+58.3	-22.7	7.0	7.3	7.5	7.4	7.6	7.6	8.5	8.1	7.8	13.2
103	26+68.3	-22.1	7.0	7.0	7.1	7.0	7.5	7.9	7.8	8.6	9.2	10.6
104	26+68.3	-22.1	7.0	7.2	7.7	7.8	8.0	8.3	8.9	9.4	9.7	11.3
105	26+68.3	-22.1	7.0	7.1	7.6	7.7	8.1	8.7	9.0	9.5	10.6	12.8
106	26+68.3	-22.1	7.0	7.4	7.7	7.6	8.0	8.4	9.8	10.2	10.6	11.3

Average Piezometer Readings, Prototype Feet of Water

=45 C=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T=180 LC=15.0	T=240 LC=21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=6(LC=:
8	8.3	9.3	10.2	12.5	14.3	20.2	26.4	37.8	44.3	48.0	52.2	55.4	58.9	61.2	64.2
0	8.4	9.8	11.2	12.9	15.1	20.6	27.1	38.8	44.7	48.7	52.5	55.8	58.9	61.7	64.4
7	8.5	9.7	10.9	12.8	15.0	20.8	27.4	39.6	45.4	49.4	53.0	56.4	58.2	61.5	63.9
2	7.8	8.3	9.1	9.7	11.0	13.9	17.0	24.4	30.7	36.6	42.0	47.0	51.7	55.8	59.5
3	7.0	7.0	6.4	5.6	4.8	3.6	0.0	-1.3	7.0	15.7	25.1	32.0	39.0	45.3	50.9
9	8.4	9.3	9.6	10.7	11.4	15.6	18.5	26.6	31.1	37.6	43.5	48.0	52.8	56.3	59.9
1	7.2	6.8	6.3	5.8	4.7	3.8	0.2	-1.6	7.9	15.9	25.4	31.7	39.1	45.2	51.0
4	8.3	9.1	9.7	10.5	11.5	15.6	19.0	25.3	32.4	36.6	43.6	47.8	51.5	55.6	59.8
3	7.2	6.8	6.5	5.8	4.7	2.9	-0.4	-3.5	7.0	15.8	25.0	30.8	38.8	44.9	50.9
5	8.2	8.6	9.5	10.5	11.4	14.6	18.2	24.1	31.8	36.7	42.3	46.2	51.1	55.4	59.3
1	7.2	7.0	7.3	7.3	7.1	7.1	6.9	8.7	16.7	24.1	31.3	37.7	43.9	49.2	54.2
1	7.3	7.4	7.5	7.4	7.4	7.4	6.8	8.8	16.4	24.1	31.4	37.9	43.8	49.1	54.3
2	7.5	7.6	7.5	7.5	7.4	7.3	6.7	8.7	16.3	24.0	31.2	37.6	43.8	49.0	54.3
4	7.6	7.6	7.6	7.8	7.4	7.2	6.7	8.7	16.5	24.0	31.4	37.8	43.7	48.8	54.2
0	7.3	7.2	7.2	7.4	6.9	6.8	6.0	7.7	15.4	23.6	30.9	37.3	43.6	48.9	54.1
3	7.4	7.8	7.3	7.3	7.3	7.2	6.9	7.8	15.5	23.6	31.0	37.9	43.6	49.1	54.2
2	7.3	7.3	7.4	7.4	7.1	6.8	6.6	7.2	16.3	23.6	31.1	36.0	43.2	47.5	53.5
2	7.7	7.4	6.9	7.2	6.9	6.1	7.1	8.3	15.2	23.0	30.1	34.7	44.0	47.9	54.3
2	7.0	7.5	7.3	7.1	6.7	8.0	4.0	7.0	15.1	23.0	33.3	37.1	42.4	48.1	51.7
8	6.5	7.0	7.1	6.0	7.0	5.4	4.8	5.5	15.0	20.3	29.4	37.2	41.9	47.9	52.5
9	7.0	7.1	7.0	7.4	4.1	1.3	4.2	5.0	8.7	12.6	23.4	26.5	32.5	35.8	45.1
1	7.2	7.6	6.3	8.4	8.2	7.4	8.2	7.6	16.9	23.8	34.5	38.5	45.7	50.7	53.6
1	9.0	9.9	10.6	13.0	16.1	19.0	28.7	40.2	47.2	50.8	53.2	57.7	57.7	63.0	65.6
1	7.5	7.5	8.2	9.0	8.0	9.5	7.0	6.0	25.7	29.6	35.9	43.9	49.6	55.4	63.5
3	7.7	7.5	7.7	9.2	7.8	8.1	9.2	8.8	20.9	22.9	34.6	42.9	48.6	52.7	56.3
3	7.9	7.9	7.7	8.6	8.4	10.3	10.9	11.9	21.5	27.7	35.4	41.5	47.0	51.9	55.7
4	7.6	7.6	8.5	8.1	7.8	13.2	9.7	13.7	26.0	28.0	33.3	42.8	48.5	52.0	56.4
0	7.5	7.9	7.8	8.6	9.2	10.6	13.4	19.1	26.3	31.8	38.5	46.1	50.8	53.4	56.4
8	8.0	8.3	8.9	9.4	9.7	11.3	12.9	19.0	26.9	33.7	37.1	42.5	49.8	53.7	59.2
7	8.1	8.7	9.0	9.5	10.6	12.8	14.2	19.3	26.6	33.5	37.5	44.3	49.0	53.7	57.2
6	8.0	8.4	9.8	10.2	10.6	11.3	14.3	22.2	25.9	34.6	42.1	47.0	52.2	54.5	56.4

meter Readings, Prototype Feet of Water

T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5	T=720 LC=61.9	T=780 LC=64.9	T=840 LC=67.5	T=900 LC=69.8	T=1020 LC=73.3	T=1260 LC=76.5
44.3	48.0	52.2	55.4	58.9	61.2	64.2	66.3	68.5	70.3	71.6	74.2	76.5
44.7	48.7	52.5	55.8	58.9	61.7	64.4	66.8	68.8	70.2	72.1	74.4	76.5
45.4	49.4	53.0	56.4	58.2	61.5	63.9	66.6	68.5	70.4	72.0	74.3	76.5
30.7	36.6	42.0	47.0	51.7	55.8	59.5	62.7	65.8	68.1	70.3	73.6	76.5
7.0	15.7	25.1	32.0	39.0	45.3	50.9	55.6	60.1	63.6	67.0	71.9	76.5
31.1	37.6	43.5	48.0	52.8	56.3	59.9	62.7	65.7	68.4	70.5	73.7	76.5
7.9	15.9	25.4	31.7	39.1	45.2	51.0	56.0	60.3	63.5	67.0	72.0	76.5
32.4	36.6	43.6	47.8	51.5	55.6	59.8	63.0	65.6	67.9	70.2	73.8	76.5
7.0	15.8	25.0	30.8	38.8	44.9	50.9	56.0	59.9	63.7	67.3	72.1	76.5
31.8	36.7	42.3	46.2	51.1	55.4	59.3	62.5	65.2	67.5	70.0	74.0	76.5
16.7	24.1	31.3	37.7	43.9	49.2	54.2	58.5	62.3	65.4	68.4	72.8	76.5
16.4	24.1	31.4	37.9	43.8	49.1	54.3	58.2	62.2	65.4	68.3	72.6	76.5
16.3	24.0	31.2	37.6	43.8	49.0	54.3	58.2	62.0	65.2	68.0	72.7	76.5
16.5	24.0	31.4	37.8	43.7	48.8	54.2	58.2	62.1	65.2	68.0	72.6	76.5
15.4	23.6	30.9	37.3	43.6	48.9	54.1	58.3	62.1	65.6	68.4	72.7	76.5
15.5	23.6	31.0	37.9	43.6	49.1	54.2	58.3	62.0	65.4	68.6	72.5	76.5
16.3	23.6	31.1	36.0	43.2	47.5	53.5	57.9	61.6	64.9	68.7	72.9	76.5
15.2	23.0	30.1	34.7	44.0	47.9	54.3	58.0	62.4	64.7	68.0	72.8	76.5
15.1	23.0	33.3	37.1	42.4	48.1	51.7	59.0	62.3	65.1	67.2	72.7	76.5
15.0	20.3	29.4	37.2	41.9	47.9	52.5	58.1	61.9	65.0	68.3	72.3	76.5
8.7	12.6	23.4	26.5	32.5	35.8	45.1	47.2	55.9	57.2	57.9	67.4	76.5
16.9	23.8	34.5	38.5	45.7	50.7	53.6	57.8	63.3	64.8	68.2	72.7	76.5
47.2	50.8	53.2	57.7	57.7	63.0	65.6	68.3	69.9	72.3	73.1	75.2	76.5
25.7	29.6	35.9	43.9	49.6	55.4	63.5	65.2	65.5	65.7	66.3	70.1	76.5
20.9	22.9	34.6	42.9	48.6	52.7	56.3	59.1	64.1	66.6	69.1	72.8	76.5
21.5	27.7	35.4	41.5	47.0	51.9	55.7	59.7	63.8	66.3	69.1	73.1	76.5
26.0	28.0	33.3	42.8	48.5	52.0	56.4	61.3	63.8	66.9	70.0	73.1	76.5
26.3	31.8	38.5	46.1	50.8	53.4	56.4	59.5	62.4	65.8	68.4	72.3	76.5
26.9	33.7	37.1	42.5	49.8	53.7	59.2	61.0	64.1	67.8	69.3	73.5	76.5
26.6	33.5	37.5	44.3	49.0	53.7	57.2	60.9	64.5	67.4	69.6	73.3	76.5
25.9	34.6	42.1	47.0	52.2	54.5	56.4	60.9	64.0	67.0	69.5	72.9	76.5

Table A15 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3
107	26+78.3	-21.5	7.0	7.3	7.3	7.4	7.9	8.4	9.0	10.1	10.4	12.3
108	26+78.3	-21.5	7.0	7.2	7.4	7.5	7.8	8.1	8.9	9.4	10.0	12.5
109	26+78.3	-21.5	7.0	6.9	7.4	7.2	8.1	8.2	9.2	9.9	11.4	13.2
110	26+78.3	-21.5	7.0	7.4	7.8	8.1	8.5	9.0	9.8	11.0	12.1	15.5
111	26+88.3	-20.9	7.0	7.4	7.4	7.7	8.0	8.7	9.4	10.1	11.1	13.6
112	26+88.3	-20.9	7.0	7.1	7.4	7.7	8.0	8.4	9.1	10.2	11.1	13.3
113	26+88.3	-20.9	7.0	7.1	7.3	7.6	8.1	8.5	9.0	9.8	11.1	13.5
114	26+88.3	-20.9	7.0	7.2	7.6	7.8	8.3	8.8	10.0	10.7	13.0	15.9
115	26+93.3	-20.6	7.0	7.2	7.3	7.6	7.9	8.4	9.5	10.3	11.6	13.6
116	26+93.3	-20.6	7.0	7.2	7.1	7.4	7.8	8.2	8.8	9.8	10.4	12.5
117	26+93.3	-20.6	7.0	7.2	7.3	7.4	7.7	8.2	8.7	9.1	10.0	11.4
118	26+93.3	-20.6	7.0	7.4	7.5	7.7	8.4	9.4	10.5	11.7	13.4	16.4
119	26+95.3	-20.6	7.0	6.9	7.3	7.3	8.1	8.6	9.6	10.6	12.1	14.7
120	26+95.3	-20.6	7.0	7.4	7.4	7.6	7.9	8.4	9.4	10.0	10.6	13.3
121	26+95.3	-20.6	7.0	7.2	7.3	7.7	8.1	8.4	9.0	10.0	10.6	13.2
122	26+95.3	-20.6	7.0	7.3	7.3	7.9	8.2	8.9	9.9	11.1	12.4	15.9
123	27+08.1	-24.25	7.0	7.3	7.5	8.0	8.3	8.9	9.8	10.6	12.3	14.6
123A	27+08.1	-24.25	7.0	7.1	6.9	7.6	7.7	8.2	8.8	9.6	10.7	13.1
124	27+18.1	-24.25	7.0	7.4	7.4	7.9	8.3	8.9	9.6	10.7	12.3	15.2
125	27+28.1	-24.25	7.0	7.2	7.5	8.0	8.5	9.2	10.0	11.3	12.8	16.2
126	27+38.1	-24.25	7.0	6.8	7.4	7.3	8.1	8.8	9.8	11.2	12.8	16.4
127	27+48.1	-24.25	7.0	6.9	7.2	7.6	8.2	8.9	10.0	11.4	12.9	16.8
128	27+58.1	-24.25	7.0	6.9	7.1	7.7	8.1	8.9	10.0	11.5	12.9	17.0
129	27+68.1	-24.25	7.0	6.9	7.2	7.6	8.3	9.1	10.0	11.4	13.3	17.7
130	27+78.1	-24.25	7.0	7.2	6.9	7.2	7.5	7.6	8.5	9.5	10.5	11.8
131	27+88.1	-24.25	7.0	6.9	7.1	7.3	8.0	8.9	10.1	11.4	13.3	17.7
131A	27+88.1	-24.25	7.0	7.2	7.4	7.4	8.1	8.5	9.4	10.3	11.5	14.4
132	26+14.0	-24.25	7.0	7.7	7.9	8.6	9.2	10.7	12.0	13.7	16.6	21.2
133	26+22.5	-24.25	7.0	7.9	8.1	8.4	9.7	10.7	12.1	13.8	16.8	21.4
134	26+70.0	-17.0	7.0	7.8	8.3	8.2	9.4	10.5	12.4	13.9	16.9	22.2
134A	26+70.0	-17.0	7.0	7.3	7.5	7.5	7.9	7.2	7.6	7.7	7.9	7.6

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T=180 LC=15.0	T=240 LC=21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T= LC
7.3	7.4	7.9	8.4	9.0	10.1	10.4	12.3	15.0	22.9	28.0	35.3	40.9	45.3	50.7	55.
7.4	7.5	7.8	8.1	8.9	9.4	10.0	12.5	15.6	23.0	30.2	35.5	41.6	46.4	51.5	55.
7.4	7.2	8.1	8.2	9.2	9.9	11.4	13.2	16.4	22.9	29.1	35.4	40.8	46.7	51.1	55.
7.8	8.1	8.5	9.0	9.8	11.0	12.1	15.5	17.2	27.6	32.7	39.2	44.4	48.1	50.8	54.
7.4	7.7	8.0	8.7	9.4	10.1	11.1	13.6	16.6	23.3	29.5	36.6	41.8	46.6	51.4	55
7.4	7.7	8.0	8.4	9.1	10.2	11.1	13.3	15.2	21.2	28.8	35.3	41.3	46.1	50.9	55.
7.3	7.6	8.1	8.5	9.0	9.8	11.1	13.5	15.2	23.0	29.2	35.8	41.2	47.6	50.4	54.
7.8	7.8	8.3	8.8	10.0	10.7	13.0	15.9	19.3	28.1	36.4	42.9	47.0	48.7	50.0	54.
7.3	7.6	7.9	8.4	9.5	10.3	11.6	13.6	17.4	24.5	30.9	37.6	42.9	47.2	52.4	56
7.1	7.4	7.8	8.2	8.8	9.8	10.4	12.5	14.3	21.5	28.6	34.4	40.8	46.0	51.0	55.
7.3	7.4	7.7	8.2	8.7	9.1	10.0	11.4	12.9	18.7	26.3	32.8	38.6	45.1	49.0	53.
7.5	7.7	8.4	9.4	10.5	11.7	13.4	16.4	21.0	30.6	38.1	43.4	47.9	54.5	57.4	61.
7.3	7.3	8.1	8.6	9.6	10.6	12.1	14.7	18.8	28.6	33.7	37.3	43.0	47.3	52.4	56.
7.4	7.6	7.9	8.4	9.4	10.0	10.6	13.3	15.9	23.5	29.7	36.5	42.4	48.1	53.2	58.
7.3	7.7	8.1	8.4	9.0	10.0	10.6	13.2	15.7	20.6	30.2	37.9	44.9	51.5	57.1	61.
7.3	7.9	8.2	8.9	9.9	11.1	12.4	15.9	20.2	27.3	35.0	40.2	45.0	50.1	53.7	57.
7.5	8.0	8.3	8.9	9.8	10.6	12.3	14.6	18.7	25.7	32.2	38.0	42.7	48.3	52.0	56.
6.9	7.6	7.7	8.2	8.8	9.6	10.7	13.1	16.2	23.2	29.5	36.0	41.8	47.2	52.0	56.
7.4	7.9	8.3	8.9	9.6	10.7	12.3	15.2	19.9	27.8	33.6	39.2	44.3	48.9	53.1	56.
7.5	8.0	8.5	9.2	10.0	11.3	12.8	16.2	20.9	30.2	35.1	41.0	45.4	50.7	54.7	57.
7.4	7.3	8.1	8.8	9.8	11.2	12.8	16.4	21.3	30.9	36.2	41.4	46.0	51.2	54.6	57.
7.2	7.6	8.2	8.9	10.0	11.4	12.9	16.8	21.7	32.3	36.8	42.3	46.5	51.2	55.0	58.
7.1	7.7	8.1	8.9	10.0	11.5	12.9	17.0	22.5	33.5	38.1	43.2	47.2	51.5	55.3	58.
7.2	7.6	8.3	9.1	10.0	11.4	13.3	17.7	22.9	34.1	38.7	43.8	48.0	52.2	56.0	59.
6.9	7.2	7.5	7.6	8.5	9.5	10.5	11.8	13.4	25.7	31.2	37.0	42.0	46.8	51.5	55.
7.1	7.3	8.0	8.9	10.1	11.4	13.3	17.7	23.2	34.9	39.1	44.2	48.2	52.5	56.1	59.
7.4	7.4	8.1	8.5	9.4	10.3	11.5	14.4	17.6	25.6	31.3	37.2	42.9	47.5	52.0	56.
7.9	8.6	9.2	10.7	12.0	13.7	16.6	21.2	26.1	39.2	44.1	48.6	52.0	56.3	59.4	61.
8.1	8.4	9.7	10.7	12.1	13.8	16.8	21.4	27.5	38.9	43.9	48.8	52.0	56.3	58.7	61.
8.3	8.2	9.4	10.5	12.4	13.9	16.9	22.2	28.5	40.3	44.9	49.4	52.8	57.0	59.8	62.
7.5	7.5	7.9	7.2	7.6	7.7	7.9	7.6	7.6	9.4	17.5	27.1	29.9	36.9	42.9	48.

Piezometer Readings, Prototype Feet of Water

40 21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5	T=720 LC=61.9	T=780 LC=64.9	T=840 LC=67.5	T=900 LC=69.8	T=1020 LC=73.3	T=1260 LC=76.5
)	28.0	35.3	40.9	45.3	50.7	55.0	59.1	62.3	64.9	67.9	70.3	-73.8	76.5
)	30.2	35.5	41.6	46.4	51.5	55.6	58.7	62.4	65.1	67.6	69.8	73.3	76.5
)	29.1	35.4	40.8	46.7	51.1	55.4	58.4	61.9	65.5	67.9	69.8	73.4	76.5
5	32.7	39.2	44.4	48.1	50.8	54.4	58.2	61.5	64.9	67.6	70.3	73.3	76.5
3	29.5	36.6	41.8	46.6	51.4	55.5	58.8	62.5	65.3	67.9	69.7	73.3	76.5
2	28.8	35.3	41.3	46.1	50.9	55.0	58.2	61.7	64.9	67.2	69.6	73.1	76.5
)	29.2	35.8	41.2	47.6	50.4	54.5	58.9	62.4	65.7	67.9	70.2	73.7	76.5
	36.4	42.9	47.0	48.7	50.0	54.3	59.0	62.3	65.4	67.8	70.4	73.7	76.5
5	30.9	37.6	42.9	47.2	52.4	56.3	59.9	62.8	65.9	68.2	70.4	73.6	76.5
5	28.6	34.4	40.8	46.0	51.0	55.4	58.3	62.5	65.1	68.1	70.2	73.6	76.5
7	26.3	32.8	38.6	45.1	49.0	53.5	57.9	61.3	64.7	67.5	70.1	73.8	76.5
5	38.1	43.4	47.9	54.5	57.4	61.7	66.0	69.0	72.2	74.3	75.3	76.0	76.5
5	33.7	37.3	43.0	47.3	52.4	56.1	59.7	62.8	65.7	68.2	70.4	73.5	76.5
5	29.7	36.5	42.4	48.1	53.2	58.0	62.1	66.6	68.6	68.9	69.7	73.0	76.5
5	30.2	37.9	44.9	51.5	57.1	61.7	64.6	66.6	67.6	68.2	68.6	68.7	76.5
3	35.0	40.2	45.0	50.1	53.7	57.2	61.2	64.4	66.6	68.6	70.6	73.6	76.5
7	32.2	38.0	42.7	48.3	52.0	56.4	59.9	63.1	65.8	68.2	70.2	73.3	76.5
2	29.5	36.0	41.8	47.2	52.0	56.4	61.0	64.4	68.0	71.0	73.8	76.0	76.5
3	33.6	39.2	44.3	48.9	53.1	56.9	60.5	63.8	65.9	68.4	70.4	73.5	76.5
2	35.1	41.0	45.4	50.7	54.7	57.9	61.2	64.4	66.8	69.1	71.1	74.0	76.5
9	36.2	41.4	46.0	51.2	54.6	57.9	61.5	64.5	67.1	68.8	71.2	73.9	76.5
3	36.8	42.3	46.5	51.2	55.0	58.4	61.7	64.4	66.9	68.9	70.9	73.7	76.5
5	38.1	43.2	47.2	51.5	55.3	58.7	62.0	64.8	67.1	69.2	71.1	73.9	76.5
1	38.7	43.8	48.0	52.2	56.0	59.1	62.4	65.1	67.7	69.7	71.4	74.1	76.5
7	31.2	37.0	42.0	46.8	51.5	55.1	58.7	62.1	65.6	67.8	70.3	73.6	76.5
9	39.1	44.2	48.2	52.5	56.1	59.4	62.4	64.9	67.3	69.4	70.9	73.7	76.5
5	31.3	37.2	42.9	47.5	52.0	56.0	59.6	62.7	66.1	68.4	70.4	74.4	76.5
2	44.1	48.6	52.0	56.3	59.4	61.9	64.3	66.8	69.3	70.4	72.0	74.5	76.5
9	43.9	48.8	52.0	56.3	58.7	61.6	64.8	66.9	68.9	70.7	72.4	74.5	76.5
8	44.9	49.4	52.8	57.0	59.8	62.4	65.2	67.3	69.3	71.1	72.7	74.8	76.5
	17.5	27.1	29.9	36.9	42.9	48.3	53.3	58.3	61.8	65.0	68.1	72.3	76.5

Table A15 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=6.9	T=30 LC=6.9	T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3
135	27+85.0	-17.0	7.0	7.0	8.2	8.5	9.9	11.1	13.0	15.4	18.1	24.0
135A	27+85.0	-17.0	7.0	7.5	7.7	7.4	7.8	7.6	7.8	8.1	7.7	7.3
136	28+60.0	-18.0	7.0	7.1	8.4	8.2	9.8	10.6	12.4	14.2	16.4	21.8
136A	28+60.0	-18.0	7.0	7.6	7.7	7.5	8.0	7.5	8.1	8.0	8.0	7.7
137	28+72.0	-18.0	7.0	6.7	7.9	7.9	9.1	10.3	12.0	14.0	16.2	21.6
137A	28+72.0	-18.0	7.0	7.0	7.5	6.9	7.6	7.0	7.4	7.3	7.5	7.3
161	22+57.6	-24.0	7.0	12.0	4.5	0.5	0.1	-1.3	-7.9	-4.6	-10.8	-0.9
162	22+57.6	-26.4	7.0	8.5	7.1	5.4	4.2	2.1	0.6	-1.2	-2.6	-0.3
163	22+60.6	-24.0	7.0	10.8	6.0	1.1	-0.9	-3.5	-8.4	-5.5	-10.6	-8.5
164	22+60.6	-26.4	7.0	7.7	6.4	2.4	0.9	-2.6	-8.2	-7.3	-11.8	-2.8

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=7.3	T=60 LC=7.5	T=75 LC=7.9	T=90 LC=8.9	T=105 LC=9.4	T=120 LC=10.2	T=150 LC=12.3	T=180 LC=15.0	T=240 LC=21.2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6
8.5	9.9	11.1	13.0	15.4	18.1	24.0	32.2	45.9	52.1	57.2	61.6	66.8	71.6	73.2
7.4	7.8	7.6	7.8	8.1	7.7	7.3	7.3	9.3	17.3	24.9	31.5	38.5	44.2	49.7
8.2	9.8	10.6	12.4	14.2	16.4	21.8	29.1	40.1	44.8	49.1	52.5	56.4	59.7	62.3
7.5	8.0	7.5	8.1	8.0	8.0	7.7	7.4	9.4	16.9	24.7	31.8	38.3	44.3	49.8
7.9	9.1	10.3	12.0	14.0	16.2	21.6	28.5	39.5	43.8	48.1	51.8	55.4	58.7	61.6
6.9	7.6	7.0	7.4	7.3	7.5	7.3	7.1	9.0	16.6	24.2	31.3	38.2	44.2	49.2
0.5	0.1	-1.3	-7.9	-4.6	-10.8	-0.9	5.6	44.8	49.2	53.8	57.7	61.0	64.1	65.9
5.4	4.2	2.1	0.6	-1.2	-2.6	-0.3	8.0	41.2	45.9	50.1	53.9	57.0	60.1	63.0
1.1	-0.9	-3.5	-8.4	-5.5	-10.6	-8.5	5.8	43.4	47.4	51.1	54.8	58.0	61.2	63.6
2.4	0.9	-2.6	-8.2	-7.3	-11.8	-2.8	7.8	40.9	44.8	49.3	53.4	56.2	59.9	62.4

ezometer Readings, Prototype Feet of Water

_2	T=300 LC=28.2	T=360 LC=34.4	T=420 LC=40.2	T=480 LC=45.4	T=540 LC=50.0	T=600 LC=54.6	T=660 LC=58.5	T=720 LC=61.9	T=780 LC=64.9	T=840 LC=67.5	T=900 LC=69.8	T=1020 LC=73.3	T=1260 LC=76.5
	52.1	57.2	61.6	66.8	71.6	73.2	73.7	73.8	73.8	73.9	74.0	75.0	76.5
	17.3	24.9	31.5	38.5	44.2	49.7	54.3	58.6	62.4	65.3	68.5	72.7	76.5
	44.8	49.1	52.5	56.4	59.7	62.3	64.8	67.2	69.3	71.1	72.3	74.7	76.5
	16.9	24.7	31.8	38.3	44.3	49.8	54.2	58.5	62.2	65.7	68.3	72.7	76.5
	43.8	48.1	51.8	55.4	58.7	61.6	64.1	66.4	68.6	70.0	71.7	74.3	76.5
	16.6	24.2	31.3	38.2	44.2	49.2	54.1	58.5	62.2	65.3	68.2	72.4	76.5
	49.2	53.8	57.7	61.0	64.1	65.9	67.1	67.7	68.9	70.4	71.8	74.1	76.5
	45.9	50.1	53.9	57.0	60.1	63.0	65.5	67.8	69.7	71.3	72.8	74.8	76.5
	47.4	51.1	54.8	58.0	61.2	63.6	66.0	67.9	69.6	71.7	72.7	74.9	76.5
	44.8	49.3	53.4	56.2	59.9	62.4	64.8	67.2	69.1	70.9	72.3	74.5	76.5

(Sheet 6 of 6)

Table A16
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Up

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	
15	22+52.1	-17.0	76.5	75.0	74.5	73.8	66.7	58.2	50.1	44.3	
15A	22+52.1	-17.0	76.5	74.1	72.1	68.9	62.8	57.0	50.3	44.2	
16	21+53.5	-17.0	76.5	73.6	71.6	67.6	60.6	53.6	47.0	42.3	
17	22+59.1	-16.9	76.5	74.0	71.5	68.5	62.4	56.2	49.8	44.1	
18	22+62.6	-16.8	76.5	73.6	71.8	67.5	60.9	54.2	47.3	42.0	
19	22+69.1	-16.6	76.5	73.1	71.7	67.1	60.8	54.3	46.7	41.8	
20	22+76.6	-16.5	76.5	74.9	74.2	73.5	69.5	60.1	52.1	45.9	
21	22+90.6	-16.5	76.5	73.2	71.4	67.5	61.0	54.2	47.5	42.4	
21A	22+90.6	-16.5	76.5	73.7	71.7	68.2	62.2	55.8	49.3	43.6	
22	23+50.0	-16.5	76.5	73.1	71.5	67.4	61.3	54.2	47.3	41.9	
23	24+50.0	-16.5	76.5	73.3	71.4	67.6	61.4	56.2	51.4	44.7	
24	25+50.0	-16.5	76.5	73.2	71.4	67.4	60.8	54.4	46.3	42.3	
24A	25+50.0	-16.5	76.5	73.6	71.2	67.9	61.6	55.9	48.7	43.6	
25	26+04.3	-24.25	76.5	73.1	71.7	66.5	60.6	53.7	45.9	40.7	
26	25+95.9	-24.25	76.5	72.7	71.3	66.5	59.8	52.9	44.7	40.0	
27	26+09.2	-17.0	76.5	73.2	70.8	66.0	58.4	50.5	42.2	36.0	
27A	26+09.2	-17.0	76.5	73.8	71.3	67.1	59.3	52.6	43.9	37.7	
28	26+01.3	-20.1	76.5	74.5	70.4	65.3	56.7	46.8	36.1	28.0	
29	26+12.4	-20.1	76.5	75.1	71.9	69.3	64.8	61.4	51.4	44.2	
30	25+96.0	-20.1	76.5	76.2	75.4	75.4	74.6	51.7	39.7	30.8	
31	26+04.5	-20.1	76.5	75.3	72.8	70.0	64.1	57.4	50.0	43.7	
32	25+88.1	-20.1	76.5	76.0	74.7	74.5	73.7	52.0	39.5	30.6	
33	25+92.6	-20.1	76.5	76.0	75.1	74.5	74.3	59.0	50.8	44.6	
34	26+01.3	-28.4	76.5	75.7	71.3	68.6	59.7	51.2	41.0	31.9	
35	26+12.4	-28.4	76.5	75.9	72.8	70.8	64.1	57.8	50.4	44.1	
36	25+96.0	-28.4	76.5	76.2	74.6	73.4	71.6	55.1	44.9	36.1	
37	26+04.1	-28.4	76.5	76.4	75.3	74.5	72.9	63.2	57.1	46.6	
38	25+88.1	-28.4	76.5	76.4	75.7	74.9	74.1	56.4	44.2	35.0	
39	25+92.6	-28.4	76.5	75.6	72.1	69.4	62.4	55.1	47.0	39.7	
40	25+75.0	-24.1	76.5	75.9	74.2	73.2	68.2	59.6	51.3	44.5	

Reading During Emptying Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2 M

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T=120 LC=66.8	T=150 LC=62.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5
74.5	73.8	66.7	58.2	50.1	44.3	40.6	36.3	34.9	30.2	27.0	23.1	20.7	17.9
72.1	68.9	62.8	57.0	50.3	44.2	41.0	37.5	35.5	30.4	26.6	23.4	20.0	17.2
71.6	67.6	60.6	53.6	47.0	42.3	38.7	34.4	33.0	28.5	25.6	21.4	18.4	15.8
71.5	68.5	62.4	56.2	49.8	44.1	40.0	35.6	33.4	29.3	25.9	22.2	19.4	16.6
71.8	67.5	60.9	54.2	47.3	42.0	38.6	34.1	32.8	28.4	25.5	21.7	19.0	15.8
71.7	67.1	60.8	54.3	46.7	41.8	38.3	34.7	33.3	28.9	25.9	21.5	18.6	15.7
74.2	73.5	69.5	60.1	52.1	45.9	41.9	37.4	35.9	30.3	27.2	22.8	19.8	16.6
71.4	67.5	61.0	54.2	47.5	42.4	38.5	34.7	33.6	28.4	25.6	21.7	18.8	16.3
71.7	68.2	62.2	55.8	49.3	43.6	39.7	36.9	35.2	30.3	26.5	22.9	20.0	16.8
71.5	67.4	61.3	54.2	47.3	41.9	38.4	35.1	33.6	29.0	25.9	21.4	18.7	15.9
71.4	67.6	61.4	56.2	51.4	44.7	41.4	37.8	34.8	30.3	27.2	22.5	19.5	16.5
71.4	67.4	60.8	54.4	46.3	42.3	38.3	35.7	33.3	29.6	25.5	21.9	18.8	15.8
71.2	67.9	61.6	55.9	48.7	43.6	40.4	36.6	34.2	31.2	26.2	22.7	19.7	16.7
71.7	66.5	60.6	53.7	45.9	40.7	35.6	35.3	33.5	26.7	24.3	19.5	18.3	16.0
71.3	66.5	59.8	52.9	44.7	40.0	36.1	33.2	31.2	27.2	24.0	20.7	18.6	15.5
70.8	66.0	58.4	50.5	42.2	36.0	32.2	29.0	27.3	24.6	21.4	18.3	16.7	14.5
71.3	67.1	59.3	52.6	43.9	37.7	34.1	30.6	29.2	24.5	22.4	19.7	16.8	14.9
70.4	65.3	56.7	46.8	36.1	28.0	22.5	20.0	18.8	17.3	15.6	13.8	12.9	11.6
71.9	69.3	64.8	61.4	51.4	44.2	39.3	35.8	33.6	29.6	25.4	21.6	19.0	16.5
75.4	75.4	74.6	51.7	39.7	30.8	25.1	22.7	20.9	19.1	17.3	15.4	14.3	13.1
72.8	70.0	64.1	57.4	50.0	43.7	39.4	36.1	33.5	29.7	26.1	22.3	19.5	16.7
74.7	74.5	73.7	52.0	39.5	30.6	24.4	21.4	20.1	18.7	16.6	14.9	13.7	12.4
75.1	74.5	74.3	59.0	50.8	44.6	39.8	36.2	33.9	29.7	25.8	22.1	19.4	16.5
71.3	68.6	59.7	51.2	41.0	31.9	27.0	22.0	20.5	18.6	17.3	15.5	14.0	12.4
72.8	70.8	64.1	57.8	50.4	44.1	40.1	35.1	32.8	28.8	25.8	22.3	19.1	16.5
74.6	73.4	71.6	55.1	44.9	36.1	30.3	25.0	23.9	21.6	19.6	17.3	14.8	13.5
75.3	74.5	72.9	63.2	57.1	46.6	41.9	37.3	34.8	30.6	27.3	23.7	20.6	17.3
75.7	74.9	74.1	56.4	44.2	35.0	28.6	23.7	22.7	19.8	18.6	16.5	14.7	13.5
72.1	69.4	62.4	55.1	47.0	39.7	34.3	29.4	27.0	22.6	19.2	15.9	13.2	11.5
74.2	73.2	68.2	59.6	51.3	44.5	40.0	36.3	33.6	29.8	25.9	22.6	19.4	16.8

76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2 Min (Constant Speed Gate), Normal Valve Operation

Average Piezometer Readings, Prototype Feet of Water

0 2.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8	T=600 LC=16.0	T=660 LC=13.1	T=720 LC=10.4	T=780 LC=8.7	T=840 LC=7.4	T=900 LC=7.0
	34.9	30.2	27.0	23.1	20.7	17.9	15.2	13.0	10.9	9.5	7.8	7.4	7.0
	35.5	30.4	26.6	23.4	20.0	17.2	14.9	12.4	10.7	9.7	8.4	7.7	7.0
	33.0	28.5	25.6	21.4	18.4	15.8	13.7	11.9	9.4	9.0	7.9	7.1	7.0
	33.4	29.3	25.9	22.2	19.4	16.6	14.3	12.3	10.5	9.3	8.3	7.7	7.0
	32.8	28.4	25.5	21.7	19.0	15.8	13.8	12.1	10.1	8.9	7.4	7.0	7.0
	33.3	28.9	25.9	21.5	18.6	15.7	13.9	11.9	10.4	9.3	7.5	7.7	7.0
	35.9	30.3	27.2	22.8	19.8	16.6	14.7	12.1	10.6	9.5	7.5	7.5	7.0
	33.6	28.4	25.6	21.7	18.8	16.3	13.9	12.1	10.2	9.2	8.1	7.4	7.0
	35.2	30.3	26.5	22.9	20.0	16.8	14.4	12.5	10.3	9.0	8.3	7.4	7.0
	33.6	29.0	25.9	21.4	18.7	15.9	14.0	12.0	10.4	9.0	7.9	7.2	7.0
	34.8	30.3	27.2	22.5	19.5	16.5	14.2	12.4	10.6	9.1	7.8	7.6	7.0
	33.3	29.6	25.5	21.9	18.8	15.8	14.2	12.1	10.3	9.0	7.9	7.5	7.0
	34.2	31.2	26.2	22.7	19.7	16.7	14.4	12.5	10.4	8.9	8.2	7.2	7.0
	33.5	26.7	24.3	19.5	18.3	16.0	13.6	11.7	9.6	8.6	7.8	7.1	7.0
	31.2	27.2	24.0	20.7	18.6	15.5	13.6	11.8	10.3	8.9	7.9	7.3	7.0
	27.3	24.6	21.4	18.3	16.7	14.5	12.4	11.1	9.6	8.5	7.7	7.2	7.0
	29.2	24.5	22.4	19.7	16.8	14.9	12.7	11.3	9.7	8.4	7.8	7.1	7.0
	18.8	17.3	15.6	13.8	12.9	11.6	10.5	9.5	8.5	7.7	7.3	6.9	7.0
	33.6	29.6	25.4	21.6	19.0	16.5	13.9	12.0	10.3	8.8	8.0	7.3	7.0
	20.9	19.1	17.3	15.4	14.3	13.1	11.3	10.5	9.3	8.8	7.8	7.5	7.0
	33.5	29.7	26.1	22.3	19.5	16.7	14.3	12.4	10.6	9.4	8.3	7.3	7.0
	20.1	18.7	16.6	14.9	13.7	12.4	11.2	10.1	9.1	8.2	7.7	7.0	7.0
	33.9	29.7	25.8	22.1	19.4	16.5	14.2	12.0	10.4	9.2	7.9	7.3	7.0
	20.5	18.6	17.3	15.5	14.0	12.4	11.0	10.2	9.1	8.0	7.5	7.1	7.0
	32.8	28.8	25.8	22.3	19.1	16.5	14.2	12.1	10.5	9.2	8.2	7.4	7.0
	23.9	21.6	19.6	17.3	14.8	13.5	12.1	11.0	9.9	8.8	8.2	7.3	7.0
	34.8	30.6	27.3	23.7	20.6	17.3	14.9	12.9	11.1	9.8	8.6	7.9	7.0
	22.7	19.8	18.6	16.5	14.7	13.5	12.1	10.7	9.3	8.6	7.8	7.1	7.0
	27.0	22.6	19.2	15.9	13.2	11.5	10.2	9.7	8.7	8.3	8.0	7.6	7.0
	33.6	29.8	25.9	22.6	19.4	16.8	14.2	12.0	10.5	9.1	8.1	7.3	7.0

Table A16 (Continued)

Piezometer Location										
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9
41	25+75.0	-24.1	76.5	75.8	72.5	69.6	63.1	56.1	49.0	42.4
42	25+70.0	-24.0	76.5	76.0	73.0	70.2	64.8	58.0	51.5	46.2
43	25+70.0	-24.0	76.5	75.7	72.5	69.1	61.8	54.3	45.9	39.1
44	25+65.0	-23.1	76.5	75.0	71.4	67.0	58.4	49.4	40.0	32.8
45	25+65.0	-23.1	76.5	76.3	75.5	75.3	74.7	74.1	73.5	39.4
46	25+65.0	-23.1	76.5	76.8	76.0	75.8	75.6	62.7	53.4	46.1
47	25+60.0	-22.7	76.5	75.8	72.9	69.3	62.1	54.0	45.2	38.0
48	25+60.0	-22.7	76.5	75.6	72.9	70.3	63.9	56.3	48.3	40.7
49	25+60.0	-22.7	76.5	76.0	72.8	69.2	62.7	54.8	46.2	39.4
50	25+60.0	-22.7	76.5	75.5	72.4	69.1	61.9	53.9	45.1	38.0
51	25+50.0	-22.1	76.5	75.8	72.7	69.3	63.0	55.2	47.1	39.8
52	25+50.0	-22.1	76.5	75.7	72.6	69.2	62.1	54.5	46.2	39.3
53	25+50.0	-22.1	76.5	76.3	75.5	74.9	73.9	61.0	50.8	43.1
54	25+50.0	-22.1	76.5	76.1	72.8	69.9	63.0	56.3	48.8	41.8
55	25+40.0	-21.5	76.5	75.8	72.6	69.5	62.3	55.0	46.4	39.4
56	25+40.0	-21.5	76.5	76.0	74.7	72.8	69.3	65.4	60.9	57.4
57	25+40.0	-21.5	76.5	75.8	72.7	69.8	63.2	56.5	49.4	42.7
58	25+40.0	-21.5	76.5	76.7	76.3	74.2	66.3	58.5	50.5	43.6
59	25+30.0	-20.9	76.5	76.0	73.3	70.9	65.4	59.5	52.9	47.5
60	25+30.0	-20.9	76.5	75.8	73.1	70.3	64.4	58.3	51.6	46.1
61	25+30.0	-20.9	76.5	76.0	72.8	68.9	61.9	54.9	49.3	42.3
62	25+30.0	-20.9	76.5	76.0	73.2	70.2	64.7	58.5	52.2	47.2
63	25+25.0	-20.9	76.5	75.8	72.7	70.1	64.7	59.0	52.4	46.6
64	25+25.0	-20.6	76.5	76.1	73.2	70.8	64.7	58.2	51.0	45.0
65	25+25.0	-20.6	76.5	76.4	72.8	69.2	62.3	52.0	45.2	38.3
66	25+25.0	-20.6	76.5	76.3	73.3	70.9	66.4	60.8	55.3	50.1
68	25+23.0	-20.6	76.5	76.4	75.8	74.9	73.4	71.5	69.3	67.0
69	25+23.0	-20.6	76.5	76.0	71.8	68.4	59.1	49.4	41.6	35.0
70	25+23.0	-20.6	76.5	76.0	72.9	70.4	64.6	57.8	50.4	44.7
71	25+10.2	-24.25	76.5	76.2	73.4	71.2	66.3	61.0	54.5	49.4
71A	25+10.2	-24.25	76.5	76.4	74.0	71.4	66.7	62.7	58.9	52.3

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T=120 LC=66.8	T=150 LC=62.1	T=180 LC=56.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5
72.5	69.6	63.1	56.1	49.0	42.4	37.9	34.6	32.2	28.0	24.4	21.4	18.6	16.2
73.0	70.2	64.8	58.0	51.5	46.2	41.7	35.7	31.9	27.5	24.3	21.3	18.2	15.9
72.5	69.1	61.8	54.3	45.9	39.1	34.4	30.6	28.8	25.3	22.4	19.8	17.4	15.2
71.4	67.0	58.4	49.4	40.0	32.8	27.9	24.7	22.8	20.6	18.3	16.7	14.4	12.7
75.5	75.3	74.7	74.1	73.5	39.4	35.0	31.2	29.3	25.8	22.9	19.8	17.5	15.0
76.0	75.8	75.6	62.7	53.4	46.1	40.8	36.6	34.7	29.9	26.3	22.3	19.9	16.7
72.9	69.3	62.1	54.0	45.2	38.0	33.1	29.5	27.9	24.2	21.6	19.0	16.4	14.7
72.9	70.3	63.9	56.3	48.3	40.7	35.6	31.9	30.0	26.7	23.1	20.1	17.6	15.4
72.8	69.2	62.7	54.8	46.2	39.4	35.3	31.2	29.5	26.2	22.9	19.8	17.5	15.1
72.4	69.1	61.9	53.9	45.1	38.0	32.9	29.0	28.6	24.8	21.9	18.7	17.0	14.9
72.7	69.3	63.0	55.2	47.1	39.8	35.2	31.7	29.9	26.2	23.0	20.1	17.6	15.5
72.6	69.2	62.1	54.5	46.2	39.3	34.9	31.3	29.6	26.9	22.9	20.5	18.1	14.9
75.5	74.9	73.9	61.0	50.8	43.1	37.5	33.3	31.1	27.8	24.4	21.2	18.5	16.0
72.8	69.9	63.0	56.3	48.8	41.8	37.6	34.3	31.8	28.0	24.7	21.3	18.5	15.7
72.6	69.5	62.3	55.0	46.4	39.4	35.9	31.8	29.4	26.5	23.6	20.5	17.9	15.3
74.7	72.8	69.3	65.4	60.9	57.4	54.3	49.6	46.5	40.5	34.4	29.1	24.6	20.5
72.7	69.8	63.2	56.5	49.4	42.7	38.7	34.3	32.7	28.7	25.3	21.4	18.6	15.7
76.3	74.2	66.3	58.5	50.5	43.6	39.8	35.1	33.1	29.4	25.9	21.9	18.9	16.3
73.3	70.9	65.4	59.5	52.9	47.5	43.6	39.2	37.2	32.0	28.0	24.5	20.9	17.5
73.1	70.3	64.4	58.3	51.6	46.1	42.3	38.6	36.4	31.4	27.6	23.8	20.1	16.8
72.8	68.9	61.9	54.9	49.3	42.3	37.9	34.0	32.4	28.7	24.8	21.4	17.3	13.8
73.2	70.2	64.7	58.5	52.2	47.2	42.9	38.9	36.5	31.9	27.8	23.8	19.9	17.1
72.7	70.1	64.7	59.0	52.4	46.6	43.7	39.2	37.0	31.5	27.9	23.9	20.0	16.7
73.2	70.8	64.7	58.2	51.0	45.0	41.6	37.3	35.0	30.5	26.9	22.6	19.7	17.1
72.8	69.2	62.3	52.0	45.2	38.3	34.0	30.1	28.2	24.4	21.4	18.8	15.2	13.6
73.3	70.9	66.4	60.8	55.3	50.1	46.4	43.0	39.9	34.7	30.0	25.3	21.6	18.5
75.8	74.9	73.4	71.5	69.3	67.0	65.0	60.4	56.0	48.3	41.2	34.8	28.9	23.7
71.8	68.4	59.1	49.4	41.6	35.0	28.9	26.2	26.0	22.4	20.0	17.5	14.8	12.7
72.9	70.4	64.6	57.8	50.4	44.7	40.3	36.6	34.4	30.0	25.9	22.3	18.9	16.2
73.4	71.2	66.3	61.0	54.5	49.4	45.8	40.6	39.4	38.1	34.7	28.4	23.9	19.7
74.0	71.4	66.7	62.7	58.9	52.3	49.0	46.9	42.1	38.2	29.8	26.6	20.9	19.1

verage Piezometer Readings, Prototype Feet of Water

.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8	T=600 LC=16.0	T=660 LC=13.1	T=720 LC=10.4	T=780 LC=8.7	T=840 LC=7.4	T=900 LC=7.0
	32.2	28.0	24.4	21.4	18.6	16.2	13.8	11.9	10.1	8.8	7.9	7.0	7.0
	31.9	27.5	24.3	21.3	18.2	15.9	13.9	11.9	10.4	9.1	8.3	7.4	7.0
	28.8	25.3	22.4	19.8	17.4	15.2	13.5	11.6	10.1	9.0	8.0	7.5	7.0
	22.8	20.6	18.3	16.7	14.4	12.7	11.2	10.2	9.7	8.0	7.5	6.8	7.0
	29.3	25.8	22.9	19.8	17.5	15.0	13.1	11.6	9.6	8.8	7.8	7.1	7.0
	34.7	29.9	26.3	22.3	19.9	16.7	14.1	12.2	10.4	9.2	8.1	7.4	7.0
	27.9	24.2	21.6	19.0	16.4	14.7	12.5	11.0	9.6	8.5	7.8	7.3	7.0
	30.0	26.7	23.1	20.1	17.6	15.4	13.2	11.6	10.0	9.0	8.1	7.1	7.0
	29.5	26.2	22.9	19.8	17.5	15.1	13.2	11.2	9.9	8.8	7.9	7.4	7.0
	28.6	24.8	21.9	18.7	17.0	14.9	12.6	11.1	9.8	8.8	7.8	7.4	7.0
	29.9	26.2	23.0	20.1	17.6	15.5	13.4	11.6	10.2	8.9	7.9	7.4	7.0
	29.6	26.9	22.9	20.5	18.1	14.9	12.7	11.4	9.7	8.7	7.6	7.3	7.0
	31.1	27.8	24.4	21.2	18.5	16.0	13.7	12.0	10.5	9.3	8.1	7.4	7.0
	31.8	28.0	24.7	21.3	18.5	15.7	13.6	11.9	10.2	9.0	8.1	7.4	7.0
	29.4	26.5	23.8	20.5	17.9	15.3	13.5	11.8	10.1	8.9	8.3	7.5	7.0
	46.5	40.5	34.4	29.1	24.6	20.5	17.4	14.1	11.7	9.9	8.4	7.7	7.0
	32.7	28.7	25.3	21.4	18.6	15.7	13.7	11.8	10.1	8.5	7.7	7.0	7.0
	33.1	29.4	25.9	21.9	18.9	16.3	14.2	12.2	10.4	9.2	8.2	7.5	7.0
	37.2	32.0	28.0	24.5	20.9	17.5	15.1	12.4	10.7	9.2	8.0	7.5	7.0
	36.4	31.4	27.6	23.8	20.1	16.8	14.6	12.2	10.7	9.7	8.1	7.5	7.0
	32.4	28.7	24.8	21.4	17.3	13.8	13.3	11.7	10.4	8.9	8.0	7.2	7.0
	36.5	31.9	27.8	23.8	19.9	17.1	14.7	12.5	10.5	9.1	8.2	7.3	7.0
	37.0	31.5	27.9	23.9	20.0	16.7	14.5	12.4	10.5	9.2	7.9	7.3	7.0
	35.0	30.5	26.9	22.6	19.7	17.1	14.3	12.3	10.6	9.2	7.9	7.3	7.0
	28.2	24.4	21.4	18.8	15.2	13.6	12.2	10.4	9.5	8.4	7.7	7.0	7.0
	39.9	34.7	30.0	25.3	21.6	18.5	14.9	12.6	10.6	9.1	7.9	6.9	7.0
	56.0	48.3	41.2	34.8	28.9	23.7	19.5	15.8	12.8	10.2	8.6	7.5	7.0
	26.0	22.4	20.0	17.5	14.8	12.7	11.6	10.1	9.1	8.1	7.7	7.3	7.0
	34.4	30.0	25.9	22.3	18.9	16.2	14.3	12.0	10.4	8.8	7.9	7.3	7.0
	39.4	38.1	34.7	28.4	23.9	19.7	15.8	13.6	11.1	9.6	8.6	7.2	7.0
	42.1	38.2	29.8	26.6	20.9	19.1	15.5	13.1	10.0	9.1	8.2	7.1	7.0

Table A16 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	
72	25+00.2	-24.25	76.5	76.2	74.3	72.2	68.2	63.7	58.0	54.3	
73	24+90.2	-24.25	76.5	76.6	75.6	74.9	73.8	73.4	67.4	59.3	
74	24+80.2	-24.25	76.5	76.4	74.8	73.1	69.9	66.7	61.4	58.2	
75	24+70.2	-24.25	76.5	76.1	74.9	73.0	70.3	66.8	62.5	59.6	
76	24+60.2	-24.25	76.5	76.4	75.3	74.0	71.0	68.2	65.0	61.0	
77	24+50.2	-24.25	76.5	76.5	76.0	76.0	74.5	73.7	68.1	65.7	
78	24+40.2	-24.25	76.5	76.6	75.9	74.5	72.0	69.6	66.4	63.5	
79	24+30.2	-24.25	76.5	76.4	75.6	74.2	72.3	69.9	68.2	66.4	
79A	24+30.2	-24.25	76.5	76.3	75.4	73.8	71.3	68.9	65.2	62.8	
80	26+17.0	-28.4	76.5	74.5	70.9	65.9	57.9	49.1	39.7	32.6	
81	26+06.0	-28.4	76.5	75.5	72.9	70.1	64.0	57.8	50.3	44.2	
82	26+22.4	-28.4	76.5	74.7	71.0	66.2	58.0	49.1	39.8	33.0	
83	26+13.9	-28.4	76.5	74.9	72.0	68.7	62.2	55.6	48.4	43.8	
84	26+30.3	-28.4	76.5	74.9	70.9	66.1	57.8	48.8	40.2	33.1	
85	26+25.7	-28.4	76.5	75.3	72.0	68.6	62.4	55.8	48.8	43.1	
86	26+17.0	-20.1	76.5	75.8	70.8	67.4	58.5	49.1	39.1	30.3	
87	26+06.0	-20.1	76.5	75.1	71.9	69.3	62.8	56.2	49.3	42.8	
88	26+22.4	-20.1	76.5	75.1	71.0	67.8	58.4	49.1	39.3	30.4	
89	26+13.9	-20.1	76.5	75.3	72.0	69.7	62.8	56.2	49.3	42.7	
90	26+30.3	-20.1	76.5	75.3	71.3	67.7	58.2	48.9	39.2	30.6	
91	26+25.7	-20.1	76.5	75.6	72.6	70.0	63.4	57.0	49.5	43.4	
92	26+43.3	-24.1	76.5	75.8	72.7	70.0	63.5	57.0	49.4	43.4	
93	26+43.3	-24.1	76.5	75.3	72.3	69.3	62.7	56.2	49.1	43.1	
94	26+48.3	-24.0	76.5	75.4	72.2	68.4	61.2	53.4	46.1	39.0	
95	26+48.3	-24.0	76.5	75.4	72.2	69.0	62.2	54.9	46.8	40.4	
96	26+53.3	-23.1	76.5	75.6	72.3	68.6	60.5	52.0	43.3	36.1	
97	26+53.3	-23.1	76.5	75.1	71.1	67.5	59.3	51.1	42.0	34.6	
98	26+53.3	-23.1	76.5	76.2	75.3	73.9	67.1	59.1	51.3	45.0	
99	26+58.3	-22.7	76.5	76.7	76.2	75.8	71.7	60.9	51.2	43.8	
100	26+58.3	-22.7	76.5	75.1	72.1	68.4	61.3	53.7	46.2	40.1	
101	26+58.3	-22.7	76.5	75.3	72.1	68.3	61.3	53.9	45.7	39.5	

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T=120 LC=66.8	T=150 LC=62.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T L
74.3	72.2	68.2	63.7	58.0	54.3	51.1	45.4	43.3	38.1	31.4	28.4	23.8	19.6	1
75.6	74.9	73.8	73.4	67.4	59.3	56.2	51.2	47.8	40.5	35.9	29.7	25.3	21.0	1
74.8	73.1	69.9	66.7	61.4	58.2	56.1	50.4	47.6	41.4	35.7	29.7	25.4	20.8	1
74.9	73.0	70.3	66.8	62.5	59.6	56.9	52.8	48.7	43.0	36.2	30.4	25.9	21.4	1
75.3	74.0	71.0	68.2	65.0	61.0	58.5	53.8	49.9	43.6	37.0	31.3	26.7	21.7	1
76.0	76.0	74.5	73.7	68.1	65.7	64.1	58.4	54.5	47.5	44.8	35.6	27.3	23.9	2
75.9	74.5	72.0	69.6	66.4	63.5	60.9	56.1	52.4	46.0	38.7	32.7	27.5	23.0	1
75.6	74.2	72.3	69.9	68.2	66.4	65.3	63.0	59.8	53.5	46.3	35.3	27.6	22.8	1
75.4	73.8	71.3	68.9	65.2	62.8	59.6	55.1	51.9	44.3	38.7	32.5	27.1	22.3	1
70.9	65.9	57.9	49.1	39.7	32.6	28.0	24.9	23.6	21.1	19.0	16.8	15.3	13.5	1
72.9	70.1	64.0	57.8	50.3	44.2	40.6	36.6	34.3	30.3	26.5	22.9	19.8	17.0	1
71.0	66.2	58.0	49.1	39.8	33.0	27.8	25.0	23.5	21.2	19.0	16.6	14.7	12.9	1
72.0	68.7	62.2	55.6	48.4	43.8	39.7	36.1	33.5	29.7	25.7	21.8	18.8	16.4	1
70.9	66.1	57.8	48.8	40.2	33.1	28.0	25.2	24.0	21.3	19.4	17.2	15.0	13.1	1
72.0	68.6	62.4	55.8	48.8	43.1	38.9	36.4	33.4	29.5	25.8	22.4	19.5	16.5	1
70.8	67.4	58.5	49.1	39.1	30.3	26.0	21.4	20.8	19.0	17.0	15.5	13.7	12.5	1
71.9	69.3	62.8	56.2	49.3	42.8	39.2	34.7	32.8	29.3	25.3	22.2	19.1	16.5	1
71.0	67.8	58.4	49.1	39.3	30.4	26.0	21.8	20.9	19.5	17.0	15.5	13.8	12.4	1
72.0	69.7	62.8	56.2	49.3	42.7	40.0	35.3	33.5	29.8	25.9	22.5	19.2	16.4	1
71.3	67.7	58.2	48.9	39.2	30.6	26.1	22.1	20.7	19.2	17.0	16.0	14.3	12.4	1
72.6	70.0	63.4	57.0	49.5	43.4	39.8	36.2	34.2	29.7	25.8	22.7	19.4	16.5	1
72.7	70.0	63.5	57.0	49.4	43.4	39.4	35.7	33.5	29.5	25.7	22.3	19.0	16.1	1
72.3	69.3	62.7	56.2	49.1	43.1	39.6	35.6	33.4	29.2	25.8	22.3	19.1	16.3	1
72.2	68.4	61.2	53.4	46.1	39.0	35.0	31.3	29.5	26.0	23.1	20.2	17.5	15.2	1
72.2	69.0	62.2	54.9	46.8	40.4	36.4	32.6	30.4	27.2	24.0	20.9	18.0	15.5	1
72.3	68.6	60.5	52.0	43.3	36.1	31.1	27.6	26.6	23.2	20.5	18.5	16.0	14.4	1
71.1	67.5	59.3	51.1	42.0	34.6	30.4	26.3	25.5	22.4	20.1	17.8	15.7	13.6	1
75.3	73.9	67.1	59.1	51.3	45.0	41.1	36.5	33.8	30.0	26.3	22.4	19.4	16.5	1
76.2	75.8	71.7	60.9	51.2	43.8	38.9	34.9	33.2	28.5	25.5	21.7	18.7	16.1	1
72.1	68.4	61.3	53.7	46.2	40.1	35.7	31.8	30.1	26.8	23.2	20.4	18.0	15.1	1
72.1	68.3	61.3	53.9	45.7	39.5	35.3	31.8	29.5	26.5	23.3	20.6	17.3	15.5	1

age Piezometer Readings, Prototype Feet of Water

T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8	T=600 LC=16.0	T=660 LC=13.1	T=720 LC=10.4	T=780 LC=8.7	T=840 LC=7.4	T=900 LC=7.0
43.3	38.1	31.4	28.4	23.8	19.6	16.7	13.8	11.4	9.7	8.2	7.8	7.0
47.8	40.5	35.9	29.7	25.3	21.0	17.4	14.2	11.9	9.9	8.2	7.4	7.0
47.6	41.4	35.7	29.7	25.4	20.8	17.0	14.5	11.8	9.8	8.6	7.7	7.0
48.7	43.0	36.2	30.4	25.9	21.4	17.5	14.1	11.7	9.9	8.2	7.4	7.0
49.9	43.6	37.0	31.3	26.7	21.7	18.1	15.0	12.1	10.3	8.5	7.6	7.0
54.5	47.5	44.8	35.6	27.3	23.9	21.7	19.2	18.3	11.0	9.6	8.7	7.0
52.4	46.0	38.7	32.7	27.5	23.0	18.8	15.3	12.5	10.3	8.6	7.4	7.0
59.8	53.5	46.3	35.3	27.6	22.8	19.0	15.7	12.4	10.6	8.6	7.5	7.0
51.9	44.3	38.7	32.5	27.1	22.3	18.1	14.9	12.0	10.1	8.5	7.6	7.0
23.6	21.1	19.0	16.8	15.3	13.5	11.9	10.7	9.8	8.6	7.8	7.4	7.0
34.3	30.3	26.5	22.9	19.8	17.0	14.3	12.2	10.6	9.2	8.2	7.4	7.0
23.5	21.2	19.0	16.6	14.7	12.9	11.7	10.2	9.1	8.3	7.5	7.0	7.0
33.5	29.7	25.7	21.8	18.8	16.4	13.6	12.0	10.3	9.1	8.1	7.3	7.0
24.0	21.3	19.4	17.2	15.0	13.1	11.9	10.8	9.3	8.5	7.9	7.2	7.0
33.4	29.5	25.8	22.4	19.5	16.5	14.2	12.2	10.5	9.1	8.1	7.5	7.0
20.8	19.0	17.0	15.5	13.7	12.5	11.1	9.9	9.1	8.3	7.5	7.1	7.0
32.8	29.3	25.3	22.2	19.1	16.5	14.0	12.1	10.3	8.9	8.1	7.4	7.0
20.9	19.5	17.0	15.5	13.8	12.4	11.2	10.1	9.0	8.2	7.5	7.1	7.0
33.5	29.8	25.9	22.5	19.2	16.4	14.0	12.4	10.5	9.4	8.3	7.5	7.0
20.7	19.2	17.0	16.0	14.3	12.4	11.3	10.3	9.1	8.1	8.0	7.3	7.0
34.2	29.7	25.8	22.7	19.4	16.5	14.3	12.2	10.7	9.1	8.3	7.5	7.0
33.5	29.5	25.7	22.3	19.0	16.1	14.1	11.8	10.5	9.0	8.2	7.1	7.0
33.4	29.2	25.8	22.3	19.1	16.3	14.2	12.1	10.6	9.1	7.9	7.3	7.0
29.5	26.0	23.1	20.2	17.5	15.2	12.8	11.3	9.8	8.7	8.0	7.4	7.0
30.4	27.2	24.0	20.9	18.0	15.5	13.5	11.6	10.1	9.0	8.1	7.2	7.0
26.6	23.2	20.5	18.5	16.0	14.4	12.4	11.1	9.7	8.5	7.7	7.5	7.0
25.5	22.4	20.1	17.8	15.7	13.6	12.2	10.5	9.4	8.4	7.5	7.1	7.0
33.8	30.0	26.3	22.4	19.4	16.5	14.0	12.0	10.4	8.9	7.9	7.2	7.0
33.2	28.5	25.5	21.7	18.7	16.1	14.2	11.8	10.3	8.6	7.9	7.3	7.0
30.1	26.8	23.2	20.4	18.0	15.1	13.4	11.6	10.2	8.8	7.9	7.6	7.0
29.5	26.5	23.3	20.6	17.3	15.5	13.4	11.6	10.0	8.9	8.0	7.5	7.0

Table A16 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T
102	26+58.3	-22.7	76.5	75.9	72.7	69.6	62.4	54.7	46.3	39.8	
103	26+68.3	-22.1	76.5	76.1	74.5	73.4	69.0	57.3	48.0	41.8	
104	26+68.3	-22.1	76.5	75.5	72.4	69.2	62.4	55.4	47.3	41.2	
105	26+68.3	-22.1	76.5	75.6	72.5	69.0	62.3	55.4	47.5	41.0	
106	26+68.3	-22.1	76.5	76.3	75.4	75.2	69.2	60.2	51.2	44.5	
107	26+78.3	-21.5	76.5	75.7	72.9	69.4	62.6	55.7	48.1	42.1	
108	26+78.3	-21.5	76.5	75.6	74.2	72.1	68.1	62.5	56.2	50.4	
109	26+78.3	-21.5	76.5	76.0	72.8	69.7	63.2	55.9	49.1	42.7	
110	26+78.3	-21.5	76.5	76.6	76.7	76.0	75.7	64.9	55.7	47.8	
111	26+88.3	-20.9	76.5	75.9	73.4	70.5	64.8	58.7	52.9	46.2	
112	26+88.3	-20.9	76.5	75.8	72.8	69.2	62.9	56.2	47.1	41.4	
113	26+88.3	-20.9	76.5	76.0	72.7	70.0	63.6	57.0	49.5	42.8	
114	26+88.3	-20.9	76.5	76.1	75.4	75.2	74.5	73.4	59.7	52.7	
115	26+93.3	-20.6	76.5	76.0	73.6	70.6	65.6	59.5	54.3	49.5	
116	26+93.3	-20.6	76.5	75.6	72.1	68.4	59.5	53.4	43.2	33.3	
117	26+93.3	-20.6	76.5	76.0	72.8	68.9	61.5	54.5	46.4	38.8	
118	26+93.3	-20.6	76.5	76.2	73.3	70.8	65.6	59.4	52.7	46.7	
119	26+95.3	-20.6	76.5	76.3	72.7	70.0	63.8	56.8	49.8	44.4	
120	26+95.3	-20.6	76.5	76.7	75.0	74.4	63.2	52.6	41.7	32.3	
121	26+95.3	-20.6	76.5	75.6	72.8	70.0	63.7	58.6	52.0	46.8	
122	26+95.3	-20.6	76.5	75.8	72.7	69.2	61.3	54.5	48.1	41.5	
123	27+08.1	-24.25	76.5	76.1	73.8	71.0	66.4	61.6	56.0	51.4	
123A	27+08.1	-24.25	76.5	76.0	73.6	71.4	66.2	60.7	55.6	50.3	
124	27+18.1	-24.25	76.5	76.2	74.3	71.7	68.1	63.2	58.1	53.6	
125	27+28.1	-24.25	76.5	76.5	74.5	72.7	69.0	64.9	60.6	57.4	
126	27+38.1	-24.25	76.5	76.2	74.6	72.7	69.6	65.6	62.2	58.8	
127	27+48.1	-24.25	76.5	76.2	75.1	73.6	70.3	67.4	64.1	60.8	
128	27+58.1	-24.25	76.5	76.4	75.0	73.4	70.6	68.0	64.5	61.1	
129	27+68.1	-24.25	76.5	76.6	75.3	74.0	71.4	68.4	65.5	62.5	
130	27+78.1	-24.25	76.5	76.4	75.5	73.7	71.5	68.8	65.7	63.1	
131	27+88.1	-24.25	76.5	76.7	76.2	74.7	72.4	69.9	67.2	64.3	

Average Piezometer Readings, Prototype Feet of Water

15 =76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T=120 LC=66.8	T=150 LC=62.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T= LC
9	72.7	69.6	62.4	54.7	46.3	39.8	34.9	32.2	30.0	26.6	23.4	20.7	18.0	15
1	74.5	73.4	69.0	57.3	48.0	41.8	36.9	33.4	31.3	26.8	22.9	20.6	17.1	14
5	72.4	69.2	62.4	55.4	47.3	41.2	37.4	33.5	31.8	27.8	24.4	21.5	18.6	16
6	72.5	69.0	62.3	55.4	47.5	41.0	37.2	33.4	31.4	27.6	24.4	21.5	18.5	15
3	75.4	75.2	69.2	60.2	51.2	44.5	40.2	36.3	33.4	29.5	26.1	22.4	19.3	16
7	72.9	69.4	62.6	55.7	48.1	42.1	38.7	35.2	32.4	28.7	25.1	22.4	19.1	16
8	74.2	72.1	68.1	62.5	56.2	50.4	45.2	39.1	35.9	31.5	27.6	24.4	21.0	18
0	72.8	69.7	63.2	55.9	49.1	42.7	39.4	35.5	33.5	29.2	25.4	22.2	18.9	16
8	76.7	76.0	75.7	64.9	55.7	47.8	43.5	39.3	36.5	31.9	27.6	23.9	20.5	17
9	73.4	70.5	64.8	58.7	52.9	46.2	42.2	39.2	35.9	31.7	27.4	24.1	20.5	17
8	72.8	69.2	62.9	56.2	47.1	41.4	35.6	34.5	31.3	26.7	23.8	21.7	18.9	15
0	72.7	70.0	63.6	57.0	49.5	42.8	38.1	35.1	32.9	29.2	25.1	21.9	19.0	16
1	75.4	75.2	74.5	73.4	59.7	52.7	48.3	43.6	41.0	35.7	31.1	26.1	22.3	19
0	73.6	70.6	65.6	59.5	54.3	49.5	45.6	41.2	39.2	33.7	28.7	25.0	21.0	17
6	72.1	68.4	59.5	53.4	43.2	33.3	28.5	27.4	24.6	23.0	21.0	18.2	15.6	14
0	72.8	68.9	61.5	54.5	46.4	38.8	33.9	30.2	29.2	25.6	21.9	19.6	16.8	15
2	73.3	70.8	65.6	59.4	52.7	46.7	42.9	38.8	36.1	32.5	28.5	24.3	21.0	17
3	72.7	70.0	63.8	56.8	49.8	44.4	38.7	33.4	31.9	27.0	22.0	18.0	14.3	12
7	75.0	74.4	63.2	52.6	41.7	32.3	26.3	20.5	20.9	19.2	16.1	16.3	14.8	12
6	72.8	70.0	63.7	58.6	52.0	46.8	42.7	36.7	37.8	31.7	27.1	24.0	20.3	16
8	72.7	69.2	61.3	54.5	48.1	41.5	36.1	34.1	31.5	27.7	24.1	21.3	18.6	15
1	73.8	71.0	66.4	61.6	56.0	51.4	47.6	42.0	41.0	35.4	26.7	26.3	23.1	18
0	73.6	71.4	66.2	60.7	55.6	50.3	47.7	43.0	40.4	34.8	30.0	26.0	22.0	18
2	74.3	71.7	68.1	63.2	58.1	53.6	50.1	44.9	43.5	38.5	32.5	27.9	23.7	19
5	74.5	72.7	69.0	64.9	60.6	57.4	53.8	47.4	46.6	40.7	33.8	28.5	24.4	20
2	74.6	72.7	69.6	65.6	62.2	58.8	55.2	50.9	47.3	40.5	35.8	30.4	24.9	20
2	75.1	73.6	70.3	67.4	64.1	60.8	56.7	53.5	49.8	42.8	36.3	31.1	26.1	21
4	75.0	73.4	70.6	68.0	64.5	61.1	58.1	54.7	50.6	43.9	37.3	31.1	26.7	22
6	75.3	74.0	71.4	68.4	65.5	62.5	59.1	55.3	51.3	44.4	38.4	32.2	27.0	22
4	75.5	73.7	71.5	68.8	65.7	63.1	60.3	55.8	51.8	44.8	37.6	31.7	26.9	21
7	76.2	74.7	72.4	69.9	67.2	64.3	61.7	57.3	53.3	46.0	39.3	32.8	27.7	22

verage Piezometer Readings, Prototype Feet of Water

2.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8	T=600 LC=16.0	T=660 LC=13.1	T=720 LC=10.4	T=780 LC=8.7	T=840 LC=7.4	T=900 LC=7.0
	30.0	26.6	23.4	20.7	18.0	15.5	13.5	11.9	10.2	9.3	7.9	7.8	7.0
	31.3	26.8	22.9	20.6	17.1	14.7	13.0	11.3	9.7	8.7	8.0	6.9	7.0
	31.8	27.8	24.4	21.5	18.6	16.1	13.9	12.0	10.6	9.2	8.3	7.6	7.0
	31.4	27.6	24.4	21.5	18.5	15.9	13.8	11.7	10.3	9.1	8.3	7.5	7.0
	33.4	29.5	26.1	22.4	19.3	16.7	14.6	12.2	10.5	9.4	8.3	7.7	7.0
	32.4	28.7	25.1	22.4	19.1	16.4	14.3	12.1	10.4	9.2	8.5	7.4	7.0
	35.9	31.5	27.6	24.4	21.0	18.1	15.5	13.4	11.4	9.8	8.6	7.7	7.0
	33.5	29.2	25.4	22.2	18.9	16.0	13.7	11.8	10.3	8.8	8.0	7.3	7.0
	36.5	31.9	27.6	23.9	20.5	17.4	14.9	12.7	11.0	9.3	8.3	7.5	7.0
	35.9	31.7	27.4	24.1	20.5	17.7	15.3	12.7	11.0	9.4	8.1	7.6	7.0
	31.3	26.7	23.8	21.7	18.9	15.7	14.0	12.3	10.3	9.0	7.9	7.3	7.0
	32.9	29.2	25.1	21.9	19.0	16.2	13.9	11.9	10.4	9.4	8.1	7.5	7.0
	41.0	35.7	31.1	26.1	22.3	19.1	15.4	13.1	10.9	9.5	8.1	7.2	7.0
	39.2	33.7	28.7	25.0	21.0	17.9	15.0	12.7	10.8	9.1	8.1	7.1	7.0
	24.6	23.0	21.0	18.2	15.6	14.8	12.8	11.7	10.1	9.2	8.1	7.5	7.0
	29.2	25.6	21.9	19.6	16.8	15.0	13.0	11.6	10.1	8.9	8.0	7.5	7.0
	36.1	32.5	28.5	24.3	21.0	17.4	15.0	12.3	11.0	9.5	8.4	7.7	7.0
	31.9	27.0	22.0	18.0	14.3	12.0	10.8	10.1	9.7	9.6	9.2	9.1	7.0
	20.9	19.2	16.1	16.3	14.8	12.6	11.5	10.1	9.1	8.7	7.8	7.2	7.0
	37.8	31.7	27.1	24.0	20.3	16.9	14.7	12.5	11.0	9.2	8.4	7.5	7.0
	31.5	27.7	24.1	21.3	18.6	15.7	13.7	11.9	10.4	8.7	8.1	7.3	7.0
	41.0	35.4	26.7	26.3	23.1	18.5	16.0	13.1	11.4	9.4	8.3	7.1	7.0
	40.4	34.8	30.0	26.0	22.0	18.6	15.3	13.2	11.1	9.5	8.1	7.5	7.0
	43.5	38.5	32.5	27.9	23.7	19.9	16.6	13.8	11.5	9.7	8.2	7.3	7.0
	46.6	40.7	33.8	28.5	24.4	20.5	17.2	14.0	11.4	9.8	8.3	7.4	7.0
	47.3	40.5	35.8	30.4	24.9	20.7	16.9	14.2	11.8	9.8	8.3	7.5	7.0
	49.8	42.8	36.3	31.1	26.1	21.7	18.0	14.6	12.2	10.2	8.6	7.6	7.0
	50.6	43.9	37.3	31.1	26.7	22.1	18.2	14.7	12.0	10.1	8.6	7.4	7.0
	51.3	44.4	38.4	32.2	27.0	22.3	18.1	14.8	12.2	10.2	8.6	7.5	7.0
	51.8	44.8	37.6	31.7	26.9	21.8	17.8	14.5	11.7	9.5	8.2	7.5	7.0
	53.3	46.0	39.3	32.8	27.7	22.7	18.8	15.0	12.5	10.0	8.3	7.2	7.0

Table A16 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	
131A	27+88.1	-24.25	76.5	76.6	75.7	74.2	71.1	68.7	65.1	62.6	
132	26+14.0	-24.25	76.5	72.9	70.7	65.8	59.3	50.4	43.5	37.6	
133	26+22.5	-24.25	76.5	72.7	69.9	63.4	54.4	44.2	34.1	28.0	
134	26+70.0	-17.0	76.5	71.6	69.9	63.8	55.7	46.8	38.3	31.5	
134A	26+70.0	-17.0	76.5	72.2	69.5	63.9	54.6	45.8	38.3	34.9	
135	27+85.0	-17.0	76.5	70.6	70.1	64.0	56.5	47.1	37.6	31.1	
135A	27+85.0	-17.0	76.5	70.6	69.1	62.8	54.4	45.9	36.1	29.2	
136	28+60.0	-18.0	76.5	68.3	68.5	60.2	52.0	42.3	32.8	26.4	
136A	28+60.0	-18.0	76.5	69.7	68.0	61.4	52.5	42.7	32.5	25.6	
137	28+72.0	-18.0	76.5	68.8	69.0	60.8	52.7	42.4	32.4	25.8	
137A	28+72.0	-18.0	76.5	69.7	68.4	61.6	52.3	42.4	32.0	25.7	
138	29+21.3	-18.0	7.0	-0.8	-3.9	-7.7	-9.1	-9.1	-3.8	7.6	
138A	29+21.3	-18.0	7.0	10.7	-0.4	-7.1	-9.1	-10.6	-5.2	3.9	
139	29+28.3	-18.9	7.0	-2.2	-4.2	-7.2	-9.1	-8.1	-1.4	10.6	
140	29+37.3	-20.0	7.0	1.7	-2.8	-6.8	-6.0	-3.2	8.9	13.8	
141	29+70.0	-20.0	7.0	2.8	5.2	-0.2	3.0	11.0	14.4	16.1	
141A	29+70.0	-20.0	7.0	10.2	8.4	3.8	7.0	11.1	14.7	16.4	
142	30+10.0	-20.0	7.0	9.3	9.8	10.5	12.1	15.0	15.8	16.2	
143	30+57.9	-27.0	7.0	8.7	9.4	7.9	7.3	5.7	4.7	3.4	
144	30+66.4	-27.0	7.0	8.3	9.4	11.0	13.5	17.2	19.7	22.2	
145	30+14.4	-27.0	7.0	6.8	8.0	7.6	8.5	6.8	3.2	2.0	
146	30+22.9	-27.0	7.0	7.6	10.1	13.9	18.2	20.4	22.4	24.2	
147	30+23.9	-34.0	7.0	7.2	8.6	9.6	11.4	12.0	13.1	14.0	
148	30+23.9	-34.0	7.0	7.9	8.7	9.4	11.1	13.4	13.0	16.1	
149	30+23.9	-34.0	7.0	7.5	9.2	10.4	11.5	13.5	14.5	15.4	
150	30+23.9	-34.0	7.0	7.8	9.3	10.7	13.6	15.4	17.5	18.7	
151	30+23.9	-34.0	7.0	7.2	9.0	11.2	13.5	16.6	19.6	18.6	
152	30+67.4	-34.0	7.0	8.0	8.6	9.4	10.5	12.2	11.6	12.0	
153	30+67.4	-34.0	7.0	7.9	4.5	9.5	10.1	11.5	12.4	12.7	
154	30+67.4	-34.0	7.0	7.4	8.1	9.1	11.1	12.9	14.1	14.2	
155	30+67.4	-34.0	7.0	7.1	7.6	9.7	11.2	13.3	15.2	16.6	

Average Piezometer Readings, Prototype Feet of Water

=30 C=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T=120 LC=66.8	T=150 LC=62.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T= LC
5.7	74.2	71.1	68.7	65.1	62.6	60.2	54.9	51.4	44.4	38.3	32.3	27.1	22.2	18
0.7	65.8	59.3	50.4	43.5	37.6	33.3	30.7	29.5	25.5	22.4	19.7	17.0	14.4	12
9.9	63.4	54.4	44.2	34.1	28.0	23.2	19.1	18.9	17.3	15.8	14.3	12.9	11.2	10
9.9	63.8	55.7	46.8	38.3	31.5	27.7	24.8	23.4	21.0	19.0	16.7	14.8	13.0	11
9.5	63.9	54.6	45.8	38.3	34.9	28.5	25.6	18.6	15.9	14.3	12.5	11.9	11.1	10
0.1	64.0	56.5	47.1	37.6	31.1	27.4	24.3	22.5	19.9	18.1	16.0	14.5	12.7	11
9.1	62.8	54.4	45.9	36.1	29.2	25.1	22.8	21.5	18.9	16.9	15.2	13.5	12.3	11
8.5	60.2	52.0	42.3	32.8	26.4	21.9	20.1	19.2	17.5	15.9	14.3	12.9	11.5	10
8.0	61.4	52.5	42.7	32.5	25.6	20.9	18.9	18.5	16.4	14.3	13.4	12.1	11.1	9.8
9.0	60.8	52.7	42.4	32.4	25.8	20.4	18.9	18.4	17.1	15.3	13.6	12.6	11.2	10
8.4	61.6	52.3	42.4	32.0	25.7	20.8	18.7	18.3	16.7	14.2	13.7	11.9	11.3	10
.9	-7.7	-9.1	-9.1	-3.6	7.6	20.6	19.5	18.1	16.8	14.9	14.0	12.3	8.5	9.9
.4	-7.1	-9.1	-10.6	-5.2	3.9	18.1	17.4	16.7	15.9	13.9	12.9	12.0	10.9	10
.2	-7.2	-9.1	-8.1	-1.4	10.6	19.6	19.0	18.0	16.4	15.5	13.9	12.3	11.3	10
.8	-6.8	-6.0	-3.2	8.9	13.8	16.1	15.5	14.8	13.8	12.5	11.8	10.7	10.2	10
2	-0.2	3.0	11.0	14.4	16.1	16.6	15.5	15.0	14.2	12.8	12.3	11.2	10.1	9.1
4	3.8	7.0	11.1	14.7	16.4	16.7	16.2	15.2	14.4	13.2	11.8	11.0	10.3	10
8	10.5	12.1	15.0	15.8	16.2	16.3	15.7	15.1	14.1	12.8	11.8	11.7	10.1	9.5
4	7.9	7.3	5.7	4.7	3.4	2.4	1.1	2.0	3.0	3.8	5.0	4.6	5.4	5.7
4	11.0	13.5	17.2	19.7	22.2	20.8	20.9	20.0	18.8	16.5	10.8	13.4	12.0	10
0	7.6	8.5	6.8	3.2	2.0	1.2	0.0	2.6	2.4	3.2	4.3	5.2	5.6	6.4
0.1	13.9	18.2	20.4	22.4	24.2	23.9	22.3	21.5	19.4	17.0	15.3	14.2	12.7	11.
6	9.6	11.4	12.0	13.1	14.0	13.2	12.5	12.3	12.5	10.7	10.2	9.6	9.1	8.1
7	9.4	11.1	13.4	13.0	16.1	16.1	12.7	10.8	14.9	8.9	13.0	8.6	11.9	6.7
2	10.4	11.5	13.5	14.5	15.4	15.1	14.9	13.9	13.1	12.1	11.0	10.5	9.6	4.8
3	10.7	13.6	15.4	17.5	18.7	18.8	18.0	17.2	16.0	14.5	13.3	12.1	11.2	10.
0	11.2	13.5	16.6	19.6	18.6	19.0	18.0	16.9	16.0	15.0	12.6	11.7	10.7	9.8
6	9.4	10.5	12.2	11.6	12.0	12.5	11.8	11.8	11.3	10.5	9.9	10.0	8.9	8.7
5	9.5	10.1	11.5	12.4	12.7	12.7	12.3	11.8	11.1	10.6	10.3	9.1	8.4	7.9
1	9.1	11.1	12.9	14.1	14.2	14.7	13.9	16.7	12.5	12.1	10.9	10.1	9.4	9.0
6	9.7	11.2	13.3	15.2	16.6	17.3	17.5	16.9	16.0	15.0	14.4	13.5	14.4	11.

ge Piezometer Readings, Prototype Feet of Water

T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8	T=600 LC=16.0	T=660 LC=13.1	T=720 LC=10.4	T=780 LC=8.7	T=840 LC=7.4	T=900 LC=7.0
51.4	44.4	38.3	32.3	27.1	22.2	18.6	14.8	12.4	10.1	8.5	7.2	7.0
29.5	25.5	22.4	19.7	17.0	14.4	12.5	11.1	9.3	8.5	7.6	7.3	7.0
18.9	17.3	15.8	14.3	12.9	11.2	10.5	9.6	8.8	8.1	7.7	7.3	7.0
23.4	21.0	19.0	16.7	14.8	13.0	11.7	10.3	9.1	8.4	7.7	7.3	7.0
18.6	15.9	14.3	12.5	11.9	11.1	10.1	9.3	8.7	8.2	7.7	7.1	7.0
22.5	19.9	18.1	16.0	14.5	12.7	11.2	10.3	9.0	8.4	7.7	7.2	7.0
21.5	18.9	16.9	15.2	13.5	12.3	11.1	10.0	8.8	8.0	7.5	7.1	7.0
19.2	17.5	15.9	14.3	12.9	11.5	10.7	9.7	8.6	8.2	7.5	7.4	7.0
18.5	16.4	14.3	13.4	12.1	11.1	9.8	9.4	8.5	8.0	7.4	6.9	7.0
18.4	17.1	15.3	13.6	12.6	11.2	10.2	9.3	8.6	8.0	7.6	7.0	7.0
18.3	16.7	14.2	13.7	11.9	11.3	10.0	9.5	8.6	8.1	7.5	7.3	7.0
18.1	16.8	14.9	14.0	12.3	8.5	9.9	9.5	8.4	7.8	7.5	7.2	7.0
16.7	15.9	13.9	12.9	12.0	10.9	10.0	9.0	8.4	8.4	7.5	7.9	7.0
18.0	16.4	15.5	13.9	12.3	11.3	10.3	9.6	8.1	8.0	8.1	7.3	7.0
14.8	13.8	12.5	11.8	10.7	10.2	10.1	8.8	8.2	7.7	7.5	7.3	7.0
15.0	14.2	12.8	12.3	11.2	10.1	9.1	9.0	8.2	7.5	7.9	7.1	7.0
15.2	14.4	13.2	11.8	11.0	10.3	10.5	8.7	8.0	7.7	7.4	7.0	7.0
15.1	14.1	12.8	11.8	11.7	10.1	9.5	8.9	8.4	8.5	7.4	7.1	7.0
2.0	3.0	3.8	5.0	4.6	5.4	5.7	6.2	6.2	6.3	6.4	6.6	7.0
20.0	18.8	16.5	10.8	13.4	12.0	10.4	9.7	8.7	8.3	7.7	6.9	7.0
2.6	2.4	3.2	4.3	5.2	5.6	6.4	6.6	7.3	7.3	7.7	7.4	7.0
21.5	19.4	17.0	15.3	14.2	12.7	11.1	9.8	9.1	8.0	7.8	7.0	7.0
12.3	12.5	10.7	10.2	9.6	9.1	8.1	7.8	7.2	7.3	6.6	6.6	7.0
10.8	14.9	8.9	13.0	8.6	11.9	6.7	12.1	5.9	10.6	7.1	8.3	7.0
13.9	13.1	12.1	11.0	10.5	9.6	4.8	8.6	7.8	7.5	7.1	7.0	7.0
17.2	16.0	14.5	13.3	12.1	11.2	10.1	9.4	8.5	7.8	7.8	7.2	7.0
16.9	16.0	15.0	12.6	11.7	10.7	9.8	8.9	8.0	7.8	7.4	6.9	7.0
11.8	11.3	10.5	9.9	10.0	8.9	8.7	8.1	7.8	8.1	7.4	7.1	7.0
11.8	11.1	10.6	10.3	9.1	8.4	7.9	7.3	7.0	6.7	6.4	6.4	7.0
16.7	12.5	12.1	10.9	10.1	9.4	9.0	8.3	7.9	7.7	6.7	7.5	7.0
16.9	16.0	15.0	14.4	13.5	14.4	11.7	10.8	10.1	9.1	8.4	7.7	7.0

Table A16 (Concluded)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.2	T=30 LC=76.0	T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T= LC
156	30+67.4	-34.0	7.0	7.0	8.1	10.0	12.1	14.3	16.8	18.5	17
157	30+16.8	-29.5	7.0	7.0	6.5	4.1	1.4	1.0	2.3	5.4	-1
158	30+31.0	-29.5	7.0	5.4	1.8	0.0	-0.8	-4.7	-8.4	-5.3	-2
159	30+60.3	-29.5	7.0	7.0	4.3	4.1	0.1	-3.8	-5.9	-6.0	-4
160	30+74.5	-29.5	7.0	6.2	8.3	7.8	5.9	1.5	-2.0	-4.1	-4
161	22+57.6	-24.0	76.5	76.5	76.6	74.7	65.2	57.4	47.5	42.1	38
162	22+57.6	-26.4	76.5	78.1	73.7	70.8	61.7	56.7	48.3	44.5	40
163	22+60.6	-24.0	76.5	78.1	74.7	73.6	65.6	58.9	50.6	46.4	42
164	22+60.6	-26.4	76.5	75.0	71.8	67.8	64.8	57.8	51.9	45.5	41
165	29+25.8	-32.3	7.0	-7.8	-9.3	-17.6	-20.5	-19.8	-8.4	0.7	9.
166	29+28.8	-33.0	7.0	0.6	1.8	1.3	-2.6	-2.6	5.1	12.4	17
167	29+13.8	-33.7	7.0	3.6	4.9	6.5	2.6	4.3	10.6	18.6	22

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=74.9	T=60 LC=74.1	T=75 LC=72.6	T=90 LC=70.9	T=105 LC=68.9	T=120 LC=66.8	T=150 LC=62.1	T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8
10.0	12.1	14.3	16.8	18.5	17.8	17.3	16.6	15.8	14.2	12.6	11.5	10.1	9.5
4.1	1.4	1.0	2.3	5.4	-1.6	-8.3	-8.4	-2.1	-4.3	1.9	-2.5	3.8	2.6
0.0	-0.8	-4.7	-8.4	-5.3	-2.1	-5.2	-1.6	0.3	2.5	5.1	3.9	7.6	8.9
4.1	0.1	-3.8	-5.9	-6.0	-4.6	-7.8	-8.6	-0.2	-5.8	1.9	-3.4	3.9	1.3
7.8	5.9	1.5	-2.0	-4.1	-4.9	2.6	2.5	0.4	5.4	3.4	6.9	4.5	7.3
74.7	65.2	57.4	47.5	42.1	38.7	37.4	33.0	28.4	24.3	22.5	18.3	15.9	12.3
70.8	61.7	56.7	48.3	44.5	40.9	35.4	32.2	31.4	23.6	24.5	17.9	18.0	12.0
73.6	65.6	58.9	50.6	46.4	42.9	34.6	33.7	33.0	25.7	24.4	18.8	19.1	13.4
67.8	64.8	57.8	51.9	45.5	41.6	35.8	36.9	31.8	28.8	23.5	21.8	18.1	16.5
-17.6	-20.5	-19.8	-8.4	0.7	9.3	13.8	13.1	8.4	12.0	8.0	10.7	6.6	10.1
1.3	-2.6	-2.6	5.1	12.4	17.4	19.1	16.4	14.0	12.9	12.5	10.4	9.0	8.0
6.5	2.6	4.3	10.6	18.6	22.2	20.4	16.9	18.0	13.2	15.4	10.2	12.4	7.7

e Piezometer Readings, Prototype Feet of Water

T=180 LC=58.0	T=240 LC=49.9	T=300 LC=42.3	T=360 LC=35.8	T=420 LC=29.9	T=480 LC=24.5	T=540 LC=19.8	T=600 LC=16.0	T=660 LC=13.1	T=720 LC=10.4	T=780 LC=8.7	T=840 LC=7.4	T=900 LC=7.0
16.6	15.8	14.2	12.6	11.5	10.1	9.5	8.4	7.8	9.3	7.1	6.8	7.0
-8.4	-2.1	-4.3	1.9	-2.5	3.8	2.6	5.0	5.9	3.3	6.8	2.6	7.0
-1.6	0.3	2.5	5.1	3.9	7.6	8.9	4.3	9.1	3.3	6.7	4.3	7.0
-8.6	-0.2	-5.8	1.9	-3.4	3.9	1.3	5.9	5.3	3.0	6.0	1.1	7.0
2.5	0.4	5.4	3.4	6.9	4.5	7.3	5.1	6.7	6.3	7.0	7.6	7.0
33.0	28.4	24.3	22.5	18.3	15.9	12.3	13.6	8.6	10.8	7.6	8.4	7.0
32.2	31.4	23.6	24.5	17.9	18.0	12.0	15.0	9.3	11.4	8.4	8.0	7.0
33.7	33.0	25.7	24.4	18.8	19.1	13.4	15.0	11.4	10.5	8.5	8.3	7.0
36.9	31.8	28.8	23.5	21.8	18.1	16.5	12.0	12.5	7.9	8.9	8.9	7.0
13.1	8.4	12.0	8.0	10.7	6.6	10.1	5.8	7.4	5.8	7.7	6.7	7.0
16.4	14.0	12.9	12.5	10.4	9.0	8.0	9.2	6.5	8.5	6.6	7.6	7.0
16.9	18.0	13.2	15.4	10.2	12.4	7.7	12.0	7.0	9.9	7.4	7.6	7.0

(Sheet 6 of 6)

Table A17
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Upp

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5
15	22+52.1	-17.0	76.5	76.1	75.0	74.7	73.3	72.4	70.2	65.5	61.9
15A	22+52.1	-17.0	76.5	75.8	73.3	73.7	71.0	69.3	65.4	61.3	57.9
16	21+53.5	-17.0	76.5	75.7	74.0	73.7	70.9	68.8	65.8	61.9	58.5
17	22+59.1	-16.9	76.5	76.5	74.4	74.3	72.1	70.1	67.3	64.3	60.6
18	22+62.6	-16.8	76.5	76.3	73.8	73.8	71.4	69.3	66.3	62.8	59.0
19	22+69.1	-16.6	76.5	76.0	74.2	73.9	71.4	69.3	66.2	62.3	58.6
20	22+76.6	-16.5	76.5	76.6	73.9	73.9	71.2	69.4	65.9	61.8	58.7
21	22+90.6	-16.5	76.5	76.0	73.9	73.7	71.0	69.3	66.3	62.3	58.9
21A	22+90.6	-16.5	76.5	75.8	73.9	73.9	71.2	69.4	66.6	63.0	59.8
22	23+50.0	-16.5	76.5	75.8	73.7	73.6	71.3	69.1	66.0	62.4	59.0
23	24+50.0	-16.5	76.5	75.7	74.1	73.8	71.3	69.1	66.1	62.5	58.9
24	25+50.0	-16.5	76.5	75.6	73.6	73.8	71.5	69.0	65.9	62.0	58.6
24A	25+50.0	-16.5	76.5	75.6	74.1	74.0	71.5	69.6	66.4	62.9	59.6
25	26+04.3	-24.25	76.5	75.6	73.6	73.7	71.2	68.9	65.6	61.4	58.5
26	25+95.9	-24.25	76.5	75.7	73.9	73.9	71.4	69.0	65.4	61.5	57.7
27	26+09.2	-17.0	76.5	75.5	73.6	73.7	70.7	68.1	64.3	60.2	56.5
27A	26+09.2	-17.0	76.5	75.5	73.7	73.6	71.2	68.7	65.2	61.1	57.4
28	26+01.3	-20.1	76.5	76.0	73.9	73.4	70.4	67.5	63.4	58.8	53.5
29	26+12.4	-20.1	76.5	76.2	74.5	74.3	71.8	69.7	66.6	63.1	59.4
30	25+96.0	-20.1	76.5	76.3	76.2	76.4	75.7	74.4	72.6	70.9	63.3
31	26+04.5	-20.1	76.5	76.2	74.4	74.2	71.9	69.6	66.5	62.8	58.9
32	25+88.1	-20.1	76.5	75.9	74.0	73.4	70.3	67.2	62.4	57.1	51.6
33	25+92.6	-20.1	76.5	76.4	75.6	75.4	74.5	74.0	73.8	73.2	72.6
34	26+01.3	-28.4	76.5	76.0	74.1	73.8	71.1	68.2	64.5	60.1	54.8
35	26+12.4	-28.4	76.5	76.4	76.2	76.1	75.4	75.0	74.1	70.2	64.5
36	25+96.0	-28.4	76.5	76.4	75.0	74.8	73.5	72.0	70.5	69.1	61.8
37	26+04.1	-28.4	76.5	76.0	74.4	74.0	71.7	69.1	65.9	61.8	57.5
38	25+88.1	-28.4	76.5	76.3	76.1	75.6	75.1	74.5	73.9	73.1	64.5
39	25+92.6	-28.4	76.5	76.0	74.6	74.2	72.2	69.7	66.8	63.2	59.4
40	25+75.0	-24.1	76.5	76.1	75.2	74.8	73.3	71.9	70.3	68.9	66.1

During Emptying Operation, Type 14 Design, Upper Pool El 76.5 Ft. Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4 Min (Cons

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5	T=150 LC=68.7	T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.
74.7	73.3	72.4	70.2	65.5	61.9	52.8	45.1	35.1	30.1	26.4	23.4	20.2	17.3	15.2
73.7	71.0	69.3	65.4	61.3	57.9	49.0	40.8	31.9	25.9	21.2	18.8	16.9	13.5	12.3
73.7	70.9	68.8	65.8	61.9	58.5	50.3	43.1	32.5	28.4	25.1	21.3	18.5	16.3	13.6
74.3	72.1	70.1	67.3	64.3	60.6	52.7	45.6	35.3	29.7	25.8	22.3	19.4	16.7	14.0
73.8	71.4	69.3	66.3	62.8	59.0	50.5	43.2	32.6	28.5	24.8	21.6	18.9	16.2	13.6
73.9	71.4	69.3	66.2	62.3	58.6	50.4	42.9	32.7	28.7	24.9	21.2	19.0	15.8	13.6
73.9	71.2	69.4	65.9	61.8	58.7	52.6	45.0	32.7	27.5	24.0	20.9	19.0	17.1	15.6
73.7	71.0	69.3	66.3	62.3	58.9	51.0	43.0	32.7	28.6	24.8	21.6	18.5	16.3	13.7
73.9	71.2	69.4	66.6	63.0	59.8	51.9	44.2	35.1	29.8	25.8	23.4	19.0	16.0	14.3
73.6	71.3	69.1	66.0	62.4	59.0	50.6	42.9	32.9	28.9	24.7	21.3	18.5	16.2	13.7
73.8	71.3	69.1	66.1	62.5	58.9	52.0	45.2	34.3	29.5	25.7	22.0	19.3	16.0	13.8
73.8	71.5	69.0	65.9	62.0	58.6	50.7	42.8	32.5	28.6	25.1	21.3	18.4	16.0	13.5
74.0	71.5	69.6	66.4	62.9	59.6	51.6	44.3	35.3	30.0	25.5	21.8	18.6	15.3	12.9
73.7	71.2	68.9	65.6	61.4	58.5	50.5	42.4	32.8	27.8	24.5	19.8	18.4	15.9	13.9
73.9	71.4	69.0	65.4	61.5	57.7	49.5	41.2	30.3	26.8	23.6	20.5	17.5	15.5	13.1
73.7	70.7	68.1	64.3	60.2	56.5	47.1	38.4	28.0	24.1	21.3	19.2	16.4	14.5	12.7
73.6	71.2	68.7	65.2	61.1	57.4	48.0	39.3	28.9	25.1	21.7	19.0	16.9	14.2	12.4
73.4	70.4	67.5	63.4	58.8	53.5	41.8	31.8	20.0	16.6	16.6	14.2	13.1	11.9	10.8
74.3	71.8	69.7	66.6	63.1	59.4	51.0	43.6	32.2	27.9	24.5	21.3	18.4	15.7	13.8
76.4	75.7	74.4	72.6	70.9	63.3	44.7	34.1	21.2	18.1	17.2	15.4	14.0	12.7	10.9
74.2	71.9	69.6	66.5	62.8	58.9	49.9	42.6	32.2	27.5	24.7	21.0	18.4	16.3	14.0
73.4	70.3	67.2	62.4	57.1	51.6	40.0	35.1	25.0	22.5	21.4	19.4	18.2	16.9	15.2
75.4	74.5	74.0	73.8	73.2	72.6	54.7	45.7	34.3	28.6	25.5	22.1	19.6	16.4	13.9
73.8	71.1	68.2	64.5	60.1	54.8	43.5	33.8	21.4	19.1	17.5	15.4	13.9	12.4	11.4
76.1	75.4	75.0	74.1	70.2	64.5	54.3	45.4	33.4	28.8	25.4	21.8	18.8	16.1	13.8
74.8	73.5	72.0	70.5	69.1	61.8	46.1	35.8	22.8	19.8	17.7	16.1	14.1	12.4	11.2
74.0	71.7	69.1	65.9	61.8	57.5	47.9	40.1	31.6	29.3	27.4	21.7	19.6	18.3	16.7
75.6	75.1	74.5	73.9	73.1	64.5	47.4	35.8	22.9	19.8	18.4	16.1	14.5	12.8	11.7
74.2	72.2	69.7	66.8	63.2	59.4	51.1	43.2	32.3	28.0	24.7	21.4	18.4	15.6	13.7
74.8	73.3	71.9	70.3	68.9	66.1	54.9	45.9	34.3	29.0	25.9	22.2	19.4	16.4	14.1

.5 Ft. Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4 Min (Constant Speed Gate), Normal Valve Operation

ge Piezometer Readings, Prototype Feet of Water

30 65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=720 LC=12.8	T=780 LC=10.7	T=840 LC=9.0	T=900 LC=7.9	T=1020 LC=7.0
	35.1	30.1	26.4	23.4	20.2	17.3	15.2	12.6	11.1	9.6	8.4	8.0	7.0
	31.9	25.9	21.2	18.8	16.9	13.5	12.3	11.3	10.2	9.7	9.2	7.6	7.0
	32.5	28.4	25.1	21.3	18.5	16.3	13.6	12.0	10.3	9.1	8.3	7.6	7.0
	35.3	29.7	25.8	22.3	19.4	16.7	14.0	12.5	10.8	9.1	8.1	7.6	7.0
	32.6	28.5	24.8	21.6	18.9	16.2	13.6	12.2	10.0	8.7	7.9	7.3	7.0
	32.7	28.7	24.9	21.2	19.0	15.8	13.6	11.9	10.2	8.8	8.7	7.7	7.0
	32.7	27.5	24.0	20.9	19.0	17.1	15.6	14.4	12.9	11.0	8.9	8.0	7.0
	32.7	28.6	24.8	21.6	18.5	16.3	13.7	12.2	10.2	9.2	8.0	7.6	7.0
	35.1	29.8	25.8	23.4	19.0	16.0	14.3	11.8	10.1	9.2	7.8	7.2	7.0
	32.9	28.9	24.7	21.3	18.5	16.2	13.7	11.8	10.1	8.9	8.2	7.2	7.0
	34.3	29.5	25.7	22.0	19.3	16.0	13.8	11.8	10.2	9.0	8.2	7.4	7.0
	32.5	28.6	25.1	21.3	18.4	16.0	13.5	11.5	10.0	9.0	7.7	7.3	7.0
	35.3	30.0	25.5	21.8	18.6	15.3	12.9	10.9	9.2	7.9	6.9	5.7	7.0
	32.8	27.8	24.5	19.8	18.4	15.9	13.9	11.7	10.2	8.9	7.9	7.4	7.0
	30.3	26.8	23.6	20.5	17.5	15.5	13.1	11.3	9.6	8.6	7.7	7.3	7.0
	28.0	24.1	21.3	19.2	16.4	14.5	12.7	10.9	9.5	8.8	7.8	7.6	7.0
	28.9	25.1	21.7	19.0	16.9	14.2	12.4	11.0	9.4	8.5	7.8	7.3	7.0
	20.0	16.6	16.6	14.2	13.1	11.9	10.8	10.2	9.1	8.2	7.7	7.3	7.0
	32.2	27.9	24.5	21.3	18.4	15.7	13.8	11.7	10.1	8.9	7.9	7.3	7.0
	21.2	18.1	17.2	15.4	14.0	12.7	10.9	10.0	9.3	8.3	8.0	7.5	7.0
	32.2	27.5	24.7	21.0	18.4	16.3	14.0	11.9	10.2	9.3	8.0	7.3	7.0
	25.0	22.5	21.4	19.4	18.2	16.9	15.2	13.8	12.5	11.5	10.1	8.9	7.0
	34.3	28.6	25.5	22.1	19.6	16.4	13.9	12.1	10.3	8.9	8.1	7.4	7.0
	21.4	19.1	17.5	15.4	13.9	12.4	11.4	10.1	9.4	8.6	8.1	7.3	7.0
	33.4	28.8	25.4	21.8	18.8	16.1	13.8	11.9	10.2	8.9	8.1	7.3	7.0
	22.8	19.8	17.7	16.1	14.1	12.4	11.2	10.0	9.0	8.1	7.4	7.0	7.0
	31.6	29.3	27.4	21.7	19.6	18.3	16.7	15.7	14.6	9.5	8.5	8.0	7.0
	22.9	19.8	18.4	16.1	14.5	12.8	11.7	10.6	9.3	8.5	7.8	7.4	7.0
	32.3	28.0	24.7	21.4	18.4	15.6	13.7	11.5	10.0	9.0	7.9	7.3	7.0
	34.3	29.0	25.9	22.2	19.4	16.4	14.1	11.8	10.1	8.7	7.7	7.2	7.0

Table A17 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5
41	25+75.0	-24.1	76.5	76.3	74.1	74.1	71.0	68.3	64.6	59.9	55.0
42	25+70.0	-24.0	76.5	76.3	75.1	74.2	72.5	70.3	67.0	63.1	59.8
43	25+70.0	-24.0	76.5	76.0	74.3	74.1	71.8	69.2	65.6	61.9	57.8
44	25+65.0	-23.1	76.5	76.1	75.2	74.1	71.7	70.9	65.9	60.6	56.1
45	25+65.0	-23.1	76.5	76.2	75.7	75.9	74.9	74.6	74.1	73.6	73.4
46	25+65.0	-23.1	76.5	76.2	75.7	75.6	74.6	74.4	74.0	73.8	73.6
47	25+60.0	-22.7	76.5	76.6	74.9	74.5	72.3	69.9	66.5	62.1	57.9
48	25+60.0	-22.7	76.5	76.4	74.9	74.2	71.9	69.4	66.1	62.5	58.1
49	25+60.0	-22.7	76.5	76.4	74.7	74.2	72.1	69.3	66.3	62.2	57.7
50	25+60.0	-22.7	76.5	76.3	74.7	74.2	71.9	69.1	65.9	61.7	57.2
51	25+50.0	-22.1	76.5	76.6	76.1	76.2	75.3	72.6	69.2	64.9	60.2
52	25+50.0	-22.1	76.5	76.2	75.1	74.4	72.0	69.7	66.4	62.6	58.5
53	25+50.0	-22.1	76.5	76.7	76.1	75.9	75.3	74.7	73.9	73.1	72.1
54	25+50.0	-22.1	76.5	76.1	74.9	74.2	72.2	70.1	66.8	63.2	59.6
55	25+40.0	-21.5	76.5	76.6	75.6	74.9	72.9	70.4	67.8	63.6	59.5
56	25+40.0	-21.5	76.5	76.3	75.8	75.4	74.2	72.6	70.9	68.7	66.5
57	25+40.0	-21.5	76.5	76.3	75.2	74.7	72.8	70.6	67.8	64.4	60.6
58	25+40.0	-21.5	76.5	76.6	76.6	76.7	76.8	76.6	76.5	76.3	76.5
59	25+30.0	-20.9	76.5	76.6	75.4	74.9	73.3	71.4	68.9	65.8	62.6
60	25+30.0	-20.9	76.5	76.4	75.5	74.7	73.3	70.9	68.3	65.0	61.4
61	25+30.0	-20.9	76.5	76.2	75.3	74.4	72.7	70.0	67.1	63.0	59.8
62	25+30.0	-20.9	76.5	76.4	75.3	74.9	73.2	70.9	68.5	65.3	61.7
63	25+25.0	-20.9	76.5	76.5	75.3	74.7	73.1	71.0	68.6	65.5	61.7
64	25+25.0	-20.6	76.5	76.4	75.8	74.8	73.5	71.6	68.7	65.6	61.5
65	25+25.0	-20.6	76.5	76.6	75.5	74.5	72.3	69.4	66.8	61.7	56.5
66	25+25.0	-20.6	76.5	76.3	75.2	74.7	73.2	71.6	69.1	66.1	63.6
68	25+23.0	-20.6	76.5	76.3	76.2	75.9	75.2	74.7	73.4	72.4	70.9
69	25+23.0	-20.6	76.5	76.4	75.1	74.2	72.0	69.3	65.3	61.7	57.1
70	25+23.0	-20.6	76.5	76.4	75.9	74.6	73.0	70.8	67.8	64.4	61.0
71	25+10.2	-24.25	76.5	76.5	75.9	75.2	73.9	71.6	69.5	66.0	63.0
71A	25+10.2	-24.25	76.5	76.5	75.5	74.9	74.0	71.8	69.5	66.5	63.1

Average Piezometer Readings, Prototype Feet of Water

.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5	T=150 LC=68.7	T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	
	74.1	71.0	68.3	64.6	59.9	55.0	44.2	34.7	23.8	19.5	18.4	17.0	16.1	15.5	
	74.2	72.5	70.3	67.0	63.1	59.8	50.9	43.2	32.0	26.5	23.2	20.1	17.8	15.3	
	74.1	71.8	69.2	65.6	61.9	57.8	48.4	39.5	28.4	24.5	21.7	18.9	16.9	14.3	
	74.1	71.7	70.9	65.9	60.6	56.1	46.2	36.7	25.7	23.2	20.9	17.5	16.8	15.3	
	75.9	74.9	74.6	74.1	73.6	73.4	72.3	71.4	31.3	26.3	23.6	20.8	18.4	15.4	
	75.6	74.6	74.4	74.0	73.8	73.6	57.6	47.7	34.9	29.9	26.6	22.3	19.3	16.8	
	74.5	72.3	69.9	66.5	62.1	57.9	48.4	39.1	27.5	23.8	21.5	18.5	16.4	14.4	
	74.2	71.9	69.4	66.1	62.5	58.1	48.8	39.6	28.9	24.6	22.0	18.9	16.8	14.6	
	74.2	72.1	69.3	66.3	62.2	57.7	49.0	40.6	29.7	25.5	22.4	19.5	17.2	14.9	
	74.2	71.9	69.1	65.9	61.7	57.2	48.0	39.3	27.7	23.6	21.7	18.6	17.0	14.4	
	76.2	75.3	72.6	69.2	64.9	60.2	51.1	42.1	30.2	26.2	23.5	20.5	17.7	15.3	
	74.4	72.0	69.7	66.4	62.6	58.5	49.2	40.5	29.6	25.4	22.7	19.5	17.4	15.0	
	75.9	75.3	74.7	73.9	73.1	72.1	54.6	44.5	32.5	28.0	24.4	21.3	18.8	16.2	
	74.2	72.2	70.1	66.8	63.2	59.6	50.6	42.4	32.0	27.3	24.3	20.7	18.1	15.4	
	74.9	72.9	70.4	67.8	63.6	59.5	50.5	41.7	30.9	25.5	23.3	20.1	17.7	15.5	
	75.4	74.2	72.6	70.9	68.7	66.5	60.8	55.4	46.5	39.8	33.8	29.2	24.3	20.5	
	74.7	72.8	70.6	67.8	64.4	60.6	52.1	44.7	33.3	28.9	25.3	21.6	18.9	16.2	
	76.7	76.8	76.6	76.5	76.3	76.5	76.2	48.2	36.2	30.5	26.4	22.8	19.6	16.4	
	74.9	73.3	71.4	68.9	65.8	62.6	55.6	47.7	37.6	31.9	27.9	24.0	20.4	17.3	
	74.7	73.3	70.9	68.3	65.0	61.4	54.2	47.2	35.6	30.6	27.1	23.1	20.4	16.8	
	74.4	72.7	70.0	67.1	63.0	59.8	51.5	43.5	32.1	27.6	24.6	21.0	17.5	15.4	
	74.9	73.2	70.9	68.5	65.3	61.7	54.3	46.9	36.4	31.5	27.3	23.2	20.0	16.9	
	74.7	73.1	71.0	68.6	65.5	61.7	54.3	46.5	35.4	31.6	27.7	23.8	20.0	16.8	
	74.8	73.5	71.6	68.7	65.6	61.5	54.0	45.6	34.4	30.3	26.1	22.2	19.3	16.5	1
	74.5	72.3	69.4	66.8	61.7	56.5	48.4	39.3	28.2	24.0	21.0	17.1	15.3	11.8	1
	74.7	73.2	71.6	69.1	66.1	63.6	56.7	49.2	40.0	33.6	29.8	25.4	21.5	18.0	1
	75.9	75.2	74.7	73.4	72.4	70.9	67.5	63.7	55.6	47.8	40.8	34.1	28.6	23.6	1
	74.2	72.0	69.3	65.3	61.7	57.1	46.6	37.5	25.3	21.1	19.6	16.5	14.5	13.9	1
	74.6	73.0	70.8	67.8	64.4	61.0	53.6	43.8	35.5	29.3	26.2	22.7	19.3	16.1	1
	75.2	73.9	71.6	69.5	66.0	63.0	55.5	47.8	36.3	31.4	26.1	21.9	19.2	18.2	1
	74.9	74.0	71.8	69.5	66.5	63.1	56.3	49.3	38.6	32.8	28.9	25.1	21.8	18.1	1

Average Piezometer Readings, Prototype Feet of Water

T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=720 LC=12.8	T=780 LC=10.7	T=840 LC=9.0	T=900 LC=7.9	T=1020 LC=7.0
34.7	23.8	19.5	18.4	17.0	16.1	15.5	15.2	14.9	14.7	8.2	7.9	7.7	7.0
43.2	32.0	26.5	23.2	20.1	17.8	15.3	13.5	11.4	10.3	8.9	8.0	7.4	7.0
39.5	28.4	24.5	21.7	18.9	16.9	14.3	12.5	10.9	9.8	8.8	7.7	7.3	7.0
36.7	25.7	23.2	20.9	17.5	16.8	15.3	14.0	13.0	11.6	10.6	10.1	9.6	7.0
71.4	31.3	26.3	23.6	20.8	18.4	15.4	13.8	11.8	10.6	8.8	7.8	7.1	7.0
47.7	34.9	29.9	26.6	22.3	19.3	16.8	14.3	12.3	10.7	9.1	8.1	7.5	7.0
39.1	27.5	23.8	21.5	18.5	16.4	14.4	12.6	10.9	9.6	8.7	8.0	7.2	7.0
39.6	28.9	24.6	22.0	18.9	16.8	14.6	12.3	10.9	9.8	8.5	7.6	7.3	7.0
40.6	29.7	25.5	22.4	19.5	17.2	14.9	13.0	11.6	9.8	8.8	8.0	7.1	7.0
39.3	27.7	23.6	21.7	18.6	17.0	14.4	12.8	11.1	9.5	8.8	8.0	7.3	7.0
42.1	30.2	26.2	23.5	20.5	17.7	15.3	13.3	11.5	10.1	8.8	8.1	7.4	7.0
40.5	29.6	25.4	22.7	19.5	17.4	15.0	12.8	11.3	9.7	8.7	7.9	7.5	7.0
44.5	32.5	28.0	24.4	21.3	18.8	16.2	13.8	12.0	10.5	8.8	8.2	7.6	7.0
42.4	32.0	27.3	24.3	20.7	18.1	15.4	13.4	11.5	9.9	8.5	8.0	7.2	7.0
41.7	30.9	25.5	23.3	20.1	17.7	15.5	13.5	11.6	10.1	8.9	8.2	7.3	7.0
55.4	46.5	39.8	33.8	29.2	24.3	20.5	17.1	14.2	11.7	9.9	8.4	7.8	7.0
44.7	33.3	28.9	25.3	21.6	18.9	16.2	14.1	11.9	10.4	9.2	8.0	7.6	7.0
48.2	36.2	30.5	26.4	22.8	19.6	16.4	14.5	12.5	10.7	9.4	8.2	7.4	7.0
47.7	37.6	31.9	27.9	24.0	20.4	17.3	14.8	12.5	10.8	9.3	7.9	7.3	7.0
47.2	35.6	30.6	27.1	23.1	20.4	16.8	14.4	12.2	10.5	9.3	8.2	7.4	7.0
43.5	32.1	27.6	24.6	21.0	17.5	15.4	13.6	11.8	10.2	9.1	7.9	7.3	7.0
46.9	36.4	31.5	27.3	23.2	20.0	16.9	14.6	12.5	10.8	9.2	8.2	7.3	7.0
46.5	35.4	31.6	27.7	23.8	20.0	16.8	14.5	12.2	10.7	8.6	8.1	7.5	7.0
45.6	34.4	30.3	26.1	22.2	19.3	16.5	14.2	12.1	10.6	9.0	8.0	7.2	7.0
39.3	28.2	24.0	21.0	17.1	15.3	11.8	11.6	10.9	9.7	8.8	8.1	7.3	7.0
49.2	40.0	33.6	29.8	25.4	21.5	18.0	14.8	13.2	11.0	9.3	8.3	7.4	7.0
63.7	55.6	47.8	40.8	34.1	28.6	23.6	19.3	15.7	12.8	11.0	9.2	7.7	7.0
37.5	25.3	21.1	19.6	16.5	14.5	13.9	11.4	10.2	9.4	8.4	8.0	7.3	7.0
43.8	35.5	29.3	26.2	22.7	19.3	16.1	14.1	12.0	10.3	9.1	7.8	7.3	7.0
47.8	36.3	31.4	26.1	21.9	19.2	18.2	17.7	14.9	13.1	10.5	8.8	7.7	7.0
49.3	38.6	32.8	28.9	25.1	21.8	18.1	15.3	12.3	11.4	9.7	8.4	7.7	7.0

Table A17 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5
72	25+00.2	-24.25	76.5	76.6	76.0	75.1	74.5	72.5	70.8	68.0	65.7
73	24+90.2	-24.25	76.5	76.2	75.9	75.5	74.8	74.2	73.4	72.5	72.1
74	24+80.2	-24.25	76.5	76.2	76.0	75.5	74.4	72.9	71.5	69.5	66.9
75	24+70.2	-24.25	76.5	76.8	76.2	75.6	74.4	73.5	71.6	69.9	67.9
76	24+60.2	-24.25	76.5	76.4	76.2	75.9	74.9	73.4	72.3	69.9	68.1
77	24+50.2	-24.25	76.5	76.3	76.4	76.2	75.8	75.3	75.2	74.8	74.6
78	24+40.2	-24.25	76.5	76.5	76.4	75.5	75.1	74.0	72.4	71.1	69.5
79	24+30.2	-24.25	76.5	76.4	76.4	75.7	74.8	73.5	72.1	70.4	68.7
79A	24+30.2	-24.25	76.5	76.5	76.0	75.5	74.7	73.7	72.2	70.5	68.8
80	26+17.0	-28.4	76.5	76.6	74.4	74.1	71.4	68.4	65.1	60.3	55.8
81	26+06.0	-28.4	76.5	76.4	75.9	75.9	75.3	74.5	72.4	68.8	64.2
82	26+22.4	-28.4	76.5	76.1	74.1	73.7	71.2	68.5	64.8	60.2	55.5
83	26+13.9	-28.4	76.5	76.4	74.7	74.2	72.4	70.0	67.2	63.5	60.2
84	26+30.3	-28.4	76.5	76.0	74.3	73.4	71.1	68.2	64.7	60.0	55.4
85	26+25.7	-28.4	76.5	76.4	74.9	74.4	72.4	70.1	67.5	63.7	60.0
86	26+17.0	-20.1	76.5	76.7	74.8	74.4	71.8	69.1	65.2	60.6	55.7
87	26+06.0	-20.1	76.5	76.6	74.7	74.6	72.5	70.4	67.9	64.1	60.5
88	26+22.4	-20.1	76.5	76.3	74.7	74.2	71.7	69.0	65.3	60.8	56.2
89	26+13.9	-20.1	76.5	76.5	74.8	74.6	72.6	70.6	67.6	64.0	60.6
90	26+30.3	-20.1	76.5	76.2	74.4	74.2	71.7	69.0	65.5	60.6	56.1
91	26+25.7	-20.1	76.5	76.6	75.1	74.7	72.8	70.7	67.9	64.5	60.9
92	26+43.3	-24.1	76.5	76.3	74.7	74.5	72.3	70.3	67.7	63.7	60.1
93	26+43.3	-24.1	76.5	76.2	75.0	74.5	72.5	70.4	67.7	64.1	60.6
94	26+48.3	-24.0	76.5	76.2	74.7	74.2	72.1	69.7	66.5	62.7	58.7
95	26+48.3	-24.0	76.5	76.4	74.9	74.3	72.5	70.2	67.2	63.4	59.4
96	26+53.3	-23.1	76.5	76.6	75.5	74.9	73.2	70.5	67.2	62.8	58.3
97	26+53.3	-23.1	76.5	76.6	75.1	74.2	72.0	69.2	65.7	61.8	57.0
98	26+53.3	-23.1	76.5	76.6	76.4	76.4	76.2	75.5	73.0	68.2	63.7
99	26+58.3	-22.7	76.5	76.7	76.1	76.1	75.7	73.9	71.1	66.8	62.3
100	26+58.3	-22.7	76.5	76.3	74.9	74.3	72.0	69.6	66.5	62.5	58.9
101	26+58.3	-22.7	76.5	76.4	75.1	74.4	72.4	69.8	67.0	62.9	58.7

Average Piezometer Readings, Prototype Feet of Water

.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5	T=150 LC=68.7	T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	
	76.0	75.1	74.5	72.5	70.8	68.0	65.7	59.7	52.8	43.6	37.2	32.4	28.4	23.6	
	75.9	75.5	74.8	74.2	73.4	72.5	72.1	71.2	58.8	47.3	40.8	34.3	30.1	25.2	
	76.0	75.5	74.4	72.9	71.5	69.5	66.9	62.1	56.0	47.2	40.5	34.7	29.6	24.9	
	76.2	75.6	74.4	73.5	71.6	69.9	67.9	63.1	57.6	49.1	41.7	35.8	30.2	25.7	
	76.2	75.9	74.9	73.4	72.3	69.9	68.1	63.6	58.6	49.3	42.5	36.1	30.7	26.1	
	76.4	76.2	75.8	75.3	75.2	74.8	74.6	74.4	74.5	54.7	52.0	50.2	33.8	30.4	
	76.4	75.5	75.1	74.0	72.4	71.1	69.5	65.3	60.8	51.8	44.8	38.4	32.0	26.9	
	76.4	75.7	74.8	73.5	72.1	70.4	68.7	63.7	58.5	49.0	40.7	33.3	26.7	21.3	
	76.0	75.5	74.7	73.7	72.2	70.5	68.8	64.1	60.1	50.9	43.6	37.4	31.6	26.4	
	74.4	74.1	71.4	68.4	65.1	60.3	55.8	46.1	36.2	24.2	21.0	18.8	16.9	15.2	
	75.9	75.9	75.3	74.5	72.4	68.8	64.2	52.6	44.2	33.5	28.9	25.2	22.3	19.2	
	74.1	73.7	71.2	68.5	64.8	60.2	55.5	45.6	35.6	24.2	21.1	19.2	17.4	15.5	
	74.7	74.2	72.4	70.0	67.2	63.5	60.2	52.1	43.9	33.5	29.2	25.4	22.0	19.1	
	74.3	73.4	71.1	68.2	64.7	60.0	55.4	45.6	35.5	24.6	21.1	18.8	16.8	15.0	
	74.9	74.4	72.4	70.1	67.5	63.7	60.0	52.1	44.0	33.5	29.0	25.1	22.1	18.9	1
	74.8	74.4	71.8	69.1	65.2	60.6	55.7	44.7	34.4	22.3	18.7	17.2	15.8	13.8	1
	74.7	74.6	72.5	70.4	67.9	64.1	60.5	52.1	44.0	33.7	28.7	25.3	21.9	19.4	1
	74.7	74.2	71.7	69.0	65.3	60.8	56.2	45.1	35.2	22.4	18.9	17.5	15.9	14.1	1
	74.8	74.6	72.6	70.6	67.6	64.0	60.6	52.5	44.6	33.7	28.8	25.5	22.2	18.8	1
	74.4	74.2	71.7	69.0	65.5	60.6	56.1	44.9	35.2	22.2	19.0	17.3	15.8	13.7	1
	75.1	74.7	72.8	70.7	67.9	64.5	60.9	52.6	44.7	33.7	28.9	25.5	22.2	19.1	1
	74.7	74.5	72.3	70.3	67.7	63.7	60.1	51.7	44.0	33.1	28.2	24.9	21.9	19.0	1
	75.0	74.5	72.5	70.4	67.7	64.1	60.6	52.2	44.5	33.8	28.9	25.9	22.2	18.8	1
	74.7	74.2	72.1	69.7	66.5	62.7	58.7	49.7	41.0	29.7	25.8	22.8	20.0	17.5	1
	74.9	74.3	72.5	70.2	67.2	63.4	59.4	50.6	42.4	31.0	27.0	23.4	20.9	17.9	1
	75.5	74.9	73.2	70.5	67.2	62.8	58.3	48.4	38.7	27.1	23.4	21.1	18.6	16.1	1
	75.1	74.2	72.0	69.2	65.7	61.8	57.0	47.5	38.1	26.1	22.7	19.8	18.1	15.2	1
	76.4	76.4	76.2	75.5	73.0	68.2	63.7	54.2	45.4	34.4	29.7	25.6	22.7	19.1	1
	76.1	76.1	75.7	73.9	71.1	66.8	62.3	52.7	43.9	31.8	27.4	24.0	20.9	18.2	1
	74.9	74.3	72.0	69.6	66.5	62.5	58.9	49.4	41.1	30.7	26.0	22.9	19.9	17.4	1
	75.1	74.4	72.4	69.8	67.0	62.9	58.7	50.2	41.4	30.3	26.3	23.3	20.5	17.4	1

erage Piezometer Readings, Prototype Feet of Water

=180 C=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=720 LC=12.8	T=780 LC=10.7	T=840 LC=9.0	T=900 LC=7.9	T=1020 LC=7.0
2.8	43.6	37.2	32.4	28.4	23.6	20.0	16.4	13.9	11.4	10.0	8.8	7.8	7.0
3.8	47.3	40.8	34.3	30.1	25.2	20.3	17.0	14.1	12.0	9.9	8.6	7.3	7.0
6.0	47.2	40.5	34.7	29.6	24.9	20.8	17.3	14.1	11.4	9.7	8.3	7.4	7.0
7.6	49.1	41.7	35.8	30.2	25.7	21.1	17.2	14.1	12.3	9.7	8.4	7.7	7.0
3.6	49.3	42.5	36.1	30.7	26.1	21.2	17.5	14.9	11.8	10.1	8.4	7.4	7.0
5.5	54.7	52.0	50.2	33.8	30.4	27.6	24.9	15.5	12.2	10.3	8.9	7.9	7.0
0.8	51.8	44.8	38.4	32.0	26.9	22.4	18.3	14.8	12.4	9.9	8.6	7.5	7.0
9.5	49.0	40.7	33.3	26.7	21.3	16.7	14.9	13.1	11.6	10.1	8.9	8.2	7.0
0.1	50.9	43.6	37.4	31.6	26.4	21.7	17.9	14.9	12.2	10.1	8.4	7.5	7.0
3.2	24.2	21.0	18.8	16.9	15.2	13.1	12.2	10.9	9.6	8.6	8.0	7.3	7.0
4.2	33.5	28.9	25.2	22.3	19.2	16.3	14.0	12.3	10.6	9.0	8.3	7.4	7.0
5.6	24.2	21.1	19.2	17.4	15.5	13.5	12.2	10.9	9.9	9.0	8.1	7.7	7.0
3.9	33.5	29.2	25.4	22.0	19.1	16.2	14.1	12.1	10.3	9.4	8.2	7.3	7.0
5.5	24.6	21.1	18.8	16.8	15.0	13.5	11.8	10.6	9.5	8.6	8.0	7.4	7.0
3.0	33.5	29.0	25.1	22.1	18.9	15.7	13.9	11.8	10.4	8.8	8.3	7.4	7.0
0.4	22.3	18.7	17.2	15.8	13.8	12.7	10.9	10.1	8.8	8.4	7.7	7.3	7.0
3.0	33.7	28.7	25.3	21.9	19.4	16.2	13.7	11.9	10.0	8.8	8.0	7.3	7.0
1.2	22.4	18.9	17.5	15.9	14.1	12.7	11.1	10.3	9.1	8.5	7.9	7.3	7.0
3.6	33.7	28.8	25.5	22.2	18.8	16.4	13.8	11.9	10.3	9.1	8.0	7.3	7.0
1.2	22.2	19.0	17.3	15.8	13.7	12.3	11.3	10.0	8.9	8.2	7.6	7.2	7.0
3.7	33.7	28.9	25.5	22.2	19.1	16.5	14.2	12.1	10.5	9.0	8.2	7.6	7.0
3.0	33.1	28.2	24.9	21.9	19.0	16.1	14.0	11.9	10.2	8.9	8.0	7.3	7.0
3.5	33.8	28.9	25.9	22.2	18.8	16.4	14.0	12.0	10.5	8.9	8.0	7.3	7.0
2.0	29.7	25.8	22.8	20.0	17.5	15.0	13.2	11.3	10.2	9.0	8.2	7.5	7.0
2.4	31.0	27.0	23.4	20.9	17.9	15.4	13.3	11.4	9.9	8.8	7.8	7.2	7.0
2.7	27.1	23.4	21.1	18.6	16.1	14.0	12.5	11.0	9.9	8.8	7.7	7.3	7.0
2.1	26.1	22.7	19.8	18.1	15.2	13.8	12.4	10.9	9.7	8.4	7.8	7.3	7.0
3.4	34.4	29.7	25.6	22.7	19.1	16.7	14.1	12.4	10.4	9.1	8.0	7.7	7.0
2.9	31.8	27.4	24.0	20.9	18.2	15.6	13.7	11.4	10.1	8.7	7.7	7.1	7.0
2.1	30.7	26.0	22.9	19.9	17.4	15.5	13.2	11.4	9.9	9.1	7.8	7.6	7.0
3.4	30.3	26.3	23.3	20.5	17.4	15.1	13.1	11.3	10.1	8.7	7.9	7.7	7.0

Table A17 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71
102	26+58.3	-22.7	76.5	76.7	75.5	75.0	73.4	70.8	68.5	65.0	60.8
103	26+68.3	-22.1	76.5	76.5	75.4	74.7	73.1	70.9	68.0	64.9	61.3
104	26+68.3	-22.1	76.5	76.4	75.2	74.5	72.4	70.2	67.6	63.6	59.7
105	26+68.3	-22.1	76.5	76.2	76.2	75.2	73.8	71.7	68.9	65.1	61.3
106	26+68.3	-22.1	76.5	76.2	75.9	75.5	75.2	74.7	74.3	73.6	69.4
107	26+78.3	-21.5	76.5	76.4	75.2	74.7	73.0	70.2	67.5	64.4	60.5
108	26+78.3	-21.5	76.5	76.5	74.9	74.7	73.0	70.7	67.7	64.5	60.5
109	26+78.3	-21.5	76.5	76.5	75.5	74.5	72.8	70.5	67.8	64.3	60.3
110	26+78.3	-21.5	76.5	76.8	76.1	75.8	75.2	75.2	74.8	74.7	74.1
111	26+88.3	-20.9	76.5	76.6	75.5	74.9	73.0	70.8	68.2	64.7	61.7
112	26+88.3	-20.9	76.5	76.7	75.2	74.7	73.0	71.5	69.0	66.4	63.3
113	26+88.3	-20.9	76.5	76.5	74.9	74.3	72.6	70.2	67.2	63.4	59.4
114	26+88.3	-20.9	76.5	76.4	76.2	75.8	75.1	74.9	73.8	73.4	73.1
115	26+93.3	-20.6	76.5	76.4	75.1	74.7	72.8	71.0	68.6	65.5	62.5
116	26+93.3	-20.6	76.5	76.1	74.9	73.8	71.8	68.3	64.6	59.0	56.6
117	26+93.3	-20.6	76.5	76.1	74.5	73.9	71.6	69.3	66.4	61.8	57.3
118	26+93.3	-20.6	76.5	76.6	75.1	74.7	73.0	70.8	68.2	64.6	61.7
119	26+95.3	-20.6	76.5	76.2	75.2	74.7	72.9	70.9	68.5	65.0	61.4
120	26+95.3	-20.6	76.5	76.4	76.0	75.2	74.5	73.9	73.3	66.6	59.9
121	26+95.3	-20.6	76.5	76.1	75.6	75.3	74.7	73.3	71.5	69.4	67.8
122	26+95.3	-20.6	76.5	76.5	74.8	74.2	72.3	70.2	66.8	63.3	59.1
123	27+08.1	-24.25	76.5	76.0	75.3	74.4	73.4	71.7	69.0	66.0	63.2
123A	27+08.1	-24.25	76.5	76.3	76.2	75.8	75.3	74.5	73.9	73.2	71.5
124	27+18.1	-24.25	76.5	76.7	75.7	75.0	73.7	72.3	69.8	67.8	65.2
125	27+28.1	-24.25	76.5	76.5	76.0	75.6	74.5	72.6	70.6	68.3	66.3
126	27+38.1	-24.25	76.5	76.5	76.0	75.5	74.1	72.7	71.2	69.1	67.3
127	27+48.1	-24.25	76.5	76.4	76.0	75.3	74.6	73.5	71.5	69.6	67.9
128	27+58.1	-24.25	76.5	76.7	76.2	75.4	74.5	73.2	71.8	70.0	67.9
129	27+68.1	-24.25	76.5	76.3	76.0	75.6	75.1	73.9	72.2	71.2	68.6
130	27+78.1	-24.25	76.5	76.4	76.6	75.9	74.8	73.7	72.5	70.7	68.6
131	27+88.1	-24.25	76.5	76.6	76.2	75.7	74.9	73.9	72.3	70.7	69.3

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5	T=150 LC=68.7	T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=5 LC=
75.5	75.0	73.4	70.8	68.5	65.0	60.8	52.0	42.5	31.0	26.8	23.5	20.8	17.9	15.4
75.4	74.7	73.1	70.9	68.0	64.9	61.3	53.6	46.9	36.7	30.7	25.9	22.7	19.1	16.6
75.2	74.5	72.4	70.2	67.6	63.6	59.7	51.0	42.6	32.1	27.3	24.2	21.5	18.5	15.5
76.2	75.2	73.8	71.7	68.9	65.1	61.3	52.6	43.8	32.7	28.0	24.7	21.5	18.7	16.0
75.9	75.5	75.2	74.7	74.3	73.6	69.4	56.7	46.9	34.7	29.9	26.5	22.8	19.4	16.8
75.2	74.7	73.0	70.2	67.5	64.4	60.5	52.2	44.0	32.7	28.8	25.2	22.3	18.7	16.4
74.9	74.7	73.0	70.7	67.7	64.5	60.5	52.8	44.8	34.4	29.9	26.0	22.9	19.6	17.0
75.5	74.5	72.8	70.5	67.8	64.3	60.3	52.2	44.6	33.5	29.0	25.3	22.2	18.9	16.0
76.1	75.8	75.2	75.2	74.8	74.7	74.1	58.9	48.8	36.9	31.2	27.5	23.8	20.4	17.2
75.5	74.9	73.0	70.8	68.2	64.7	61.7	53.5	45.9	35.3	30.2	27.1	23.4	20.1	16.9
75.2	74.7	73.0	71.5	69.0	66.4	63.3	52.1	44.3	41.5	32.5	31.3	28.9	20.0	17.3
74.9	74.3	72.6	70.2	67.2	63.4	59.4	51.2	43.1	32.8	28.1	24.8	21.5	18.6	16.0
76.2	75.8	75.1	74.9	73.8	73.4	73.1	62.3	53.3	41.4	34.9	29.7	26.3	21.9	18.8
75.1	74.7	72.8	71.0	68.6	65.5	62.5	54.8	48.5	39.3	33.5	28.7	24.6	20.6	17.8
74.9	73.8	71.8	68.3	64.6	59.0	56.6	46.1	35.7	22.2	22.5	16.6	15.8	15.6	12.7
74.5	73.9	71.6	69.3	66.4	61.8	57.3	48.0	39.2	28.3	24.4	22.2	19.4	16.5	14.8
75.1	74.7	73.0	70.8	68.2	64.6	61.7	53.1	45.9	35.6	30.5	26.7	22.9	19.7	16.9
75.2	74.7	72.9	70.9	68.5	65.0	61.4	54.5	47.1	36.6	31.3	27.8	23.6	19.9	16.9
76.0	75.2	74.5	73.9	73.3	66.6	59.9	48.2	36.7	23.1	18.8	17.4	17.2	14.5	12.6
75.6	75.3	74.7	73.3	71.5	69.4	67.8	59.0	47.2	35.6	31.6	26.1	22.6	19.2	16.3
74.8	74.2	72.3	70.2	66.8	63.3	59.1	50.6	42.8	31.8	27.6	24.3	20.9	18.2	15.8
75.3	74.4	73.4	71.7	69.0	66.0	63.2	56.1	49.8	39.5	34.9	29.3	25.7	21.5	18.6
76.2	75.8	75.3	74.5	73.9	73.2	71.5	58.9	51.8	41.2	35.0	30.5	26.4	22.4	19.5
75.7	75.0	73.7	72.3	69.8	67.8	65.2	59.4	52.1	42.5	36.8	31.5	27.4	23.4	19.6
76.0	75.6	74.5	72.6	70.6	68.3	66.3	60.8	54.0	44.6	38.4	33.7	28.1	24.1	20.2
76.0	75.5	74.1	72.7	71.2	69.1	67.3	61.2	56.4	47.4	40.7	34.9	29.4	24.8	20.9
76.0	75.3	74.6	73.5	71.5	69.6	67.9	62.5	57.3	48.8	42.3	35.6	29.8	24.9	20.7
76.2	75.4	74.5	73.2	71.8	70.0	67.9	63.8	58.7	49.9	42.9	36.9	31.5	26.0	21.5
76.0	75.6	75.1	73.9	72.2	71.2	68.6	64.5	59.4	51.6	43.6	37.9	32.0	26.5	22.0
76.6	75.9	74.8	73.7	72.5	70.7	68.6	64.5	60.0	51.4	44.2	37.6	31.7	26.3	21.8
76.2	75.7	74.9	73.9	72.3	70.7	69.3	65.0	60.3	51.7	44.6	38.2	32.0	26.9	21.8

erage Piezometer Readings, Prototype Feet of Water

T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=720 LC=12.8	T=780 LC=10.7	T=840 LC=9.0	T=900 LC=7.9	T=1020 LC=7.0
2.5	31.0	26.8	23.5	20.8	17.9	15.4	13.4	11.6	9.9	9.2	8.2	7.2	7.0
6.9	36.7	30.7	25.9	22.7	19.1	16.6	14.3	12.7	11.0	9.7	8.9	8.0	7.0
2.6	32.1	27.3	24.2	21.5	18.5	15.5	13.5	11.8	10.1	9.1	8.1	7.5	7.0
3.8	32.7	28.0	24.7	21.5	18.7	16.0	13.7	12.0	10.1	9.1	8.2	7.5	7.0
6.9	34.7	29.9	26.5	22.8	19.4	16.8	14.6	12.4	10.7	9.3	8.4	7.6	7.0
4.0	32.7	28.8	25.2	22.3	18.7	16.4	14.2	12.0	10.5	9.0	8.2	7.5	7.0
4.8	34.4	29.9	26.0	22.9	19.6	17.3	15.2	13.3	11.4	9.7	8.6	7.6	7.0
4.6	33.5	29.0	25.3	22.2	18.9	16.0	13.9	11.9	10.5	9.0	8.0	7.5	7.0
3.8	36.9	31.2	27.5	23.8	20.4	17.2	14.5	12.1	10.5	9.1	8.0	7.4	7.0
5.9	35.3	30.2	27.1	23.4	20.1	16.9	14.5	12.0	10.5	9.2	8.1	7.3	7.0
4.3	41.5	32.5	31.3	28.9	20.0	17.3	15.0	12.3	10.6	9.1	8.4	7.5	7.0
3.1	32.8	28.1	24.8	21.5	18.6	16.0	13.6	11.8	10.4	9.0	7.9	7.3	7.0
3.3	41.4	34.9	29.7	26.3	21.9	18.8	15.3	13.1	11.0	9.2	8.2	7.1	7.0
3.5	39.3	33.5	28.7	24.6	20.6	17.8	14.8	12.6	10.7	9.3	8.1	7.4	7.0
5.7	22.2	22.5	16.6	15.8	15.6	12.7	12.3	10.5	9.6	8.7	7.9	7.5	7.0
9.2	28.3	24.4	22.2	19.4	16.5	14.8	12.9	11.3	9.9	8.8	8.2	7.3	7.0
5.9	35.6	30.5	26.7	22.9	19.7	16.9	14.3	12.4	10.5	9.2	8.2	7.3	7.0
7.1	36.6	31.3	27.8	23.6	19.9	16.9	14.4	12.3	10.3	9.2	8.1	7.3	7.0
6.7	23.1	18.8	17.4	17.2	14.5	12.6	11.9	10.3	9.7	9.0	8.0	7.5	7.0
7.2	35.6	31.6	26.1	22.6	19.2	16.3	13.9	12.3	10.3	8.6	7.8	6.9	7.0
2.8	31.8	27.6	24.3	20.9	18.2	15.8	13.1	11.7	10.1	9.4	8.4	7.3	7.0
9.8	39.5	34.9	29.3	25.7	21.5	18.6	15.0	13.3	11.3	9.7	8.2	7.3	7.0
1.8	41.2	35.0	30.5	26.4	22.4	19.5	16.8	13.5	11.2	9.8	8.6	7.4	7.0
2.1	42.5	36.8	31.5	27.4	23.4	19.6	16.0	13.6	12.0	9.6	8.2	7.3	7.0
4.0	44.6	38.4	33.7	28.1	24.1	20.2	16.4	14.2	11.3	9.9	8.3	7.5	7.0
6.4	47.4	40.7	34.9	29.4	24.8	20.9	16.8	13.8	11.8	10.0	8.3	7.7	7.0
7.3	48.8	42.3	35.6	29.8	24.9	20.7	17.0	14.2	11.5	9.2	8.0	6.8	7.0
8.7	49.9	42.9	36.9	31.5	26.0	21.5	17.7	14.6	11.9	10.5	8.9	7.6	7.0
9.4	51.6	43.6	37.9	32.0	26.5	22.0	17.9	15.2	12.7	10.2	8.6	7.7	7.0
0.0	51.4	44.2	37.6	31.7	26.3	21.8	18.1	14.8	11.9	10.1	8.6	7.4	7.0
0.3	51.7	44.6	38.2	32.0	26.9	21.8	18.1	14.9	12.0	10.0	8.5	7.5	7.0

Table A17 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=7
131A	27+88.1	-24.25	76.5	76.7	76.2	75.7	74.7	73.6	72.1	70.4	68.3
132	26+14.0	-24.25	76.5	75.8	73.7	73.5	70.5	68.3	64.9	60.7	56.5
133	26+22.5	-24.25	76.5	75.9	73.3	72.9	69.8	66.9	62.3	57.2	51.4
134	26+70.0	-17.0	76.5	75.8	73.1	73.0	69.8	67.3	63.3	58.5	53.8
134A	26+70.0	-17.0	76.5	76.0	73.2	73.6	70.2	68.1	64.5	61.1	58.1
135	27+85.0	-17.0	76.5	75.4	73.4	74.0	71.4	69.8	66.5	59.9	54.8
135A	27+85.0	-17.0	76.5	74.6	72.3	72.9	69.1	66.5	62.2	57.5	53.0
136	28+60.0	-18.0	76.5	74.5	71.7	72.4	68.5	65.5	60.6	55.7	50.9
136A	28+60.0	-18.0	76.5	74.2	71.5	72.5	68.1	65.5	60.9	55.8	50.9
137	28+72.0	-18.0	76.5	74.4	72.2	72.7	68.8	65.7	60.8	55.9	51.8
137A	28+72.0	-18.0	76.5	73.9	71.2	72.0	68.1	64.9	60.5	55.4	50.9
138	29+21.3	-18.0	7.0	8.9	0.6	-2.8	-6.1	-8.5	-10.1	-11.7	-12.6
138A	29+21.3	-18.0	7.0	6.7	3.6	0.1	-3.5	-6.4	-10.1	-12.8	-12.5
139	29+28.3	-18.9	7.0	9.3	1.1	-3.2	-5.4	-7.3	-9.8	-10.6	-11.3
140	29+37.3	-20.0	7.0	9.2	0.0	0.5	-4.6	-4.2	-6.7	-9.3	-11.1
141	29+70.0	-20.0	7.0	8.6	8.3	6.4	6.2	2.5	3.4	1.3	7.1
141A	29+70.0	-20.0	7.0	6.1	7.5	7.5	4.0	5.9	4.2	5.0	2.8
142	30+10.0	-20.0	7.0	7.0	7.7	8.5	8.8	9.3	9.9	9.9	11.4
143	30+57.9	-27.0	7.0	7.3	7.7	7.9	8.1	7.6	7.4	6.5	6.9
144	30+66.4	-27.0	7.0	7.2	7.6	8.2	8.9	9.9	11.0	12.5	13.7
145	30+14.4	-27.0	7.0	8.6	7.8	8.2	8.6	7.8	7.6	7.3	6.8
146	30+22.9	-27.0	7.0	7.8	8.2	9.3	10.1	11.9	14.3	15.1	16.7
147	30+23.9	-34.0	7.0	7.4	7.5	7.9	8.4	8.6	9.3	9.6	11.1
148	30+23.9	-34.0	7.0	7.4	7.9	8.1	8.6	8.9	9.4	10.1	10.8
149	30+23.9	-34.0	7.0	7.7	7.7	8.2	9.1	9.5	10.0	10.6	11.7
150	30+23.9	-34.0	7.0	7.0	8.3	8.2	9.1	9.9	11.0	12.9	13.9
151	30+23.9	-34.0	7.0	6.5	7.1	7.4	9.1	9.5	10.8	12.1	14.3
152	30+67.4	-34.0	7.0	7.1	7.5	7.9	8.1	8.6	9.6	9.4	10.0
153	30+67.4	-34.0	7.0	7.1	7.5	7.7	9.2	8.5	9.1	9.5	10.0
154	30+67.4	-34.0	7.0	1.8	7.4	8.3	8.6	8.6	9.1	10.1	10.6
155	30+67.4	-34.0	7.0	7.0	7.6	8.5	8.3	9.1	9.6	10.8	11.6

Average Piezometer Readings, Prototype Feet of Water

T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5	T=150 LC=68.7	T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=7? LC=
73.6	72.1	70.4	68.3	63.9	59.2	50.5	43.6	37.6	31.6	26.4	22.1	18.0	15.2	11.9
68.3	64.9	60.7	56.5	47.2	39.0	28.7	25.0	22.3	19.1	17.3	14.5	12.5	10.8	9.6
66.9	62.3	57.2	51.4	40.8	30.4	19.6	16.9	15.8	14.0	12.8	11.6	10.3	9.3	8.8
67.3	63.3	58.5	53.8	44.1	34.5	23.8	20.5	17.5	16.2	14.3	12.8	11.1	10.1	9.0
68.1	64.5	61.1	58.1	45.3	38.6	24.4	21.2	18.4	16.1	14.6	13.3	12.3	10.8	9.9
69.8	66.5	59.9	54.8	43.3	33.4	23.5	20.8	18.0	16.1	14.1	12.7	11.3	10.0	9.0
66.5	62.2	57.5	53.0	42.4	32.5	22.4	19.3	17.2	15.2	13.6	12.1	11.0	9.9	8.9
65.5	60.6	55.7	50.9	40.3	30.3	19.6	17.1	15.5	14.1	12.7	11.5	10.5	9.6	8.6
65.5	60.9	55.8	50.9	39.5	29.3	18.6	16.1	14.7	13.1	12.0	11.0	9.8	9.0	8.3
65.7	60.8	55.9	51.8	39.9	30.0	19.1	16.5	15.2	13.9	12.3	11.1	10.3	9.2	8.5
64.9	60.5	55.4	50.9	39.3	28.6	18.2	16.1	14.5	12.9	11.8	10.9	9.8	9.0	8.3
-8.5	-10.1	-11.7	-12.6	-8.8	-4.3	16.6	16.9	15.1	13.1	12.1	11.3	10.9	8.9	8.4
-6.4	-10.1	-12.8	-12.5	-11.7	-6.3	16.2	14.7	14.1	12.6	11.0	10.3	9.9	8.6	8.5
-7.3	-9.8	-10.6	-11.3	-7.4	-1.2	17.1	16.0	14.6	13.7	12.1	10.7	10.2	9.3	8.0
-4.2	-6.7	-9.3	-11.1	-2.9	6.9	14.2	13.3	12.4	11.4	10.3	10.0	9.3	8.7	8.1
2.5	3.4	1.3	7.1	10.8	13.1	14.4	13.6	10.9	11.5	10.7	10.0	9.5	8.8	8.1
5.9	4.2	5.0	2.8	12.2	12.1	14.9	14.1	12.5	12.5	10.6	10.1	8.9	8.1	7.9
9.3	9.9	9.9	11.4	13.8	14.9	14.9	13.9	13.2	11.9	11.0	10.1	9.3	8.6	8.0
7.6	7.4	6.5	6.9	6.0	4.1	3.6	3.6	4.3	5.0	5.4	6.1	6.3	6.4	6.6
9.9	11.0	12.5	13.7	16.8	19.0	20.2	18.1	16.6	14.7	13.7	11.6	10.6	11.9	8.7
7.8	7.6	7.3	6.8	6.0	3.6	1.8	2.4	3.8	3.9	5.0	5.8	6.0	6.4	6.8
11.9	14.3	15.1	16.7	20.7	22.3	21.6	19.5	17.0	15.3	13.9	13.1	11.5	10.0	8.9
8.6	9.3	9.6	11.1	12.2	12.2	12.3	11.8	13.7	10.4	9.8	9.4	8.6	8.2	8.2
8.9	9.4	10.1	10.8	12.4	11.9	13.6	12.7	12.0	10.9	10.5	10.1	8.7	8.5	8.1
9.5	10.0	10.6	11.7	13.0	14.0	14.3	13.1	12.6	11.4	10.4	9.7	9.2	8.5	8.1
9.9	11.0	12.9	13.9	15.0	17.3	17.0	15.9	14.4	12.8	11.7	10.9	10.8	9.0	8.1
9.5	10.8	12.1	14.3	16.0	17.6	16.3	15.4	13.9	12.6	11.2	11.3	9.7	8.4	8.3
8.6	9.6	9.4	10.0	10.7	11.6	11.6	11.6	8.1	10.3	9.7	8.9	8.7	8.3	8.1
8.5	9.1	9.5	10.0	11.2	12.3	12.7	11.5	11.0	10.2	10.4	9.2	8.6	8.1	8.0
8.6	9.1	10.1	10.6	11.9	13.7	13.2	13.0	11.7	10.9	10.2	9.1	8.8	8.4	7.9
9.1	9.6	10.8	11.6	13.4	14.9	16.4	15.1	14.0	13.0	11.7	11.6	10.6	9.3	8.7

ge Piezometer Readings, Prototype Feet of Water

0 5.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=720 LC=12.8	T=780 LC=10.7	T=840 LC=9.0	T=900 LC=7.9	T=1020 LC=7.0
	50.5	43.6	37.6	31.6	26.4	22.1	18.0	15.2	11.9	10.3	8.5	7.6	7.0
	28.7	25.0	22.3	19.1	17.3	14.5	12.5	10.8	9.6	8.5	8.0	7.5	7.0
	19.6	16.9	15.6	14.0	12.8	11.6	10.3	9.3	8.8	7.8	7.3	7.0	7.0
	23.8	20.5	17.5	16.2	14.3	12.8	11.1	10.1	9.0	7.9	7.5	7.0	7.0
	24.4	21.2	18.4	16.1	14.6	13.3	12.3	10.8	9.9	9.5	8.7	8.1	7.0
	23.5	20.8	18.0	16.1	14.1	12.7	11.3	10.0	9.0	8.5	7.6	7.2	7.0
	22.4	19.3	17.2	15.2	13.6	12.1	11.0	9.9	8.9	8.2	7.7	7.1	7.0
	19.6	17.1	15.5	14.1	12.7	11.5	10.5	9.6	8.6	8.1	7.7	7.2	7.0
	18.6	16.1	14.7	13.1	12.0	11.0	9.8	9.0	8.3	8.0	7.3	7.3	7.0
	19.1	16.5	15.2	13.9	12.3	11.1	10.3	9.2	8.5	8.1	7.5	7.3	7.0
	18.2	16.1	14.5	12.9	11.8	10.9	9.8	9.0	8.3	7.7	7.3	7.4	7.0
	16.6	16.9	15.1	13.1	12.1	11.3	10.9	8.9	8.4	7.7	7.4	6.9	7.0
	16.2	14.7	14.1	12.6	11.0	10.3	9.9	8.6	8.5	8.2	7.7	7.6	7.0
	17.1	16.0	14.6	13.7	12.1	10.7	10.2	9.3	8.0	7.6	7.1	6.8	7.0
	14.2	13.3	12.4	11.4	10.3	10.0	9.3	8.7	8.1	7.7	7.8	7.2	7.0
	14.4	13.6	10.9	11.5	10.7	10.0	9.5	8.8	8.1	7.5	7.4	7.6	7.0
	14.9	14.1	12.5	12.5	10.6	10.1	8.9	8.1	7.9	7.3	7.3	6.7	7.0
	14.9	13.9	13.2	11.9	11.0	10.1	9.3	8.6	8.0	7.8	7.4	7.2	7.0
	3.6	3.6	4.3	5.0	5.4	6.1	6.3	6.4	6.6	6.7	6.8	6.7	7.0
	20.2	18.1	16.6	14.7	13.7	11.6	10.6	11.9	8.7	8.2	7.5	7.0	7.0
	1.8	2.4	3.8	3.9	5.0	5.8	6.0	6.4	6.8	7.4	7.2	7.1	7.0
	21.6	19.5	17.0	15.3	13.9	13.1	11.5	10.0	8.9	8.2	7.9	7.4	7.0
	12.3	11.8	13.7	10.4	9.8	9.4	8.6	8.2	8.2	8.6	7.7	7.2	7.0
	13.6	12.7	12.0	10.9	10.5	10.1	8.7	8.5	8.1	7.3	7.6	7.3	7.0
	14.3	13.1	12.6	11.4	10.4	9.7	9.2	8.5	8.1	7.6	7.7	7.2	7.0
	17.0	15.9	14.4	12.8	11.7	10.9	10.8	9.0	8.1	7.8	7.2	7.4	7.0
	16.3	15.4	13.9	12.6	11.2	11.3	9.7	8.4	8.3	7.9	7.3	7.5	7.0
	11.6	11.6	8.1	10.3	9.7	8.9	8.7	8.3	8.1	7.7	7.5	7.4	7.0
	12.7	11.5	11.0	10.2	10.4	9.2	8.6	8.1	8.0	7.5	7.3	7.1	7.0
	13.2	13.0	11.7	10.9	10.2	9.1	8.8	8.4	7.9	8.2	7.2	8.0	7.0
	16.4	15.1	14.0	13.0	11.7	11.6	10.6	9.3	8.7	8.2	7.7	7.5	7.0

Table A17 (Concluded)

Piezometer Location											
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5
156	30+67.4	-34.0	7.0	7.0	7.0	7.8	8.1	9.2	9.9	10.8	12.8
157	30+16.8	-29.5	7.0	6.9	6.8	6.7	6.4	6.3	6.6	6.6	6.4
158	30+31.0	-29.5	7.0	7.4	7.3	7.2	6.6	5.8	5.5	4.7	2.0
159	30+60.3	-29.5	7.0	7.0	7.3	7.0	6.7	6.5	6.5	5.2	4.2
160	30+74.5	-29.5	7.0	6.9	7.3	7.4	7.1	6.6	6.5	5.7	4.4
161	22+57.6	-24.0	76.5	76.3	75.9	75.9	75.1	74.2	71.3	67.1	62.5
162	22+57.6	-26.4	76.5	76.3	74.6	74.4	73.0	70.8	68.0	64.5	60.7
163	22+60.6	-24.0	76.5	76.6	76.2	76.2	75.7	75.7	75.1	68.5	63.0
164	22+60.6	-26.4	76.5	76.0	74.8	74.8	74.2	73.5	73.2	71.1	66.3
165	29+25.8	-32.3	7.0	8.8	-2.5	-8.1	-10.1	-18.3	-21.2	-23.0	-25.9
166	29+28.8	-33.0	7.0	8.6	1.1	-0.5	-0.4	-3.3	-3.7	-4.3	-5.7
167	29+31.8	-33.7	7.0	7.0	7.3	7.0	6.7	6.5	6.5	5.2	4.2

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=76.4	T=45 LC=75.9	T=60 LC=75.3	T=75 LC=74.8	T=90 LC=73.6	T=105 LC=72.8	T=120 LC=71.5	T=150 LC=68.7	T=180 LC=65.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.
7.0	7.8	8.1	9.2	9.9	10.8	12.8	12.1	16.1	16.6	15.5	16.1	12.4	11.4	10.8
6.8	6.7	6.4	6.3	6.6	6.6	6.4	6.1	-3.9	-0.7	-1.5	0.4	1.4	3.3	3.4
7.3	7.2	6.6	5.8	5.5	4.7	2.0	-0.7	-4.3	-0.3	1.6	3.3	4.4	5.5	5.9
7.3	7.0	6.7	6.5	6.5	5.2	4.2	0.4	-0.2	-2.3	-0.3	1.5	2.9	4.1	4.4
7.3	7.4	7.1	6.6	6.5	5.7	4.4	3.1	0.5	2.3	3.4	4.7	5.3	6.3	6.7
75.9	75.9	75.1	74.2	71.3	67.1	62.5	53.6	44.4	33.2	28.5	25.4	22.2	19.0	15.8
74.6	74.4	73.0	70.8	68.0	64.5	60.7	52.6	44.7	34.1	29.1	25.5	22.2	19.1	16.6
76.2	76.2	75.7	75.7	75.1	68.5	63.0	53.9	45.3	34.1	29.1	25.1	22.0	18.9	16.0
74.8	74.8	74.2	73.5	73.2	71.1	66.3	56.4	47.3	36.4	31.6	27.5	23.9	20.3	17.3
-2.5	-8.1	-10.1	-18.3	-21.2	-23.0	-25.9	-19.6	-11.3	11.2	11.1	10.9	9.7	9.6	9.0
1.1	-0.5	-0.4	-3.3	-3.7	-4.3	-5.7	-1.6	4.0	16.4	15.3	14.2	12.5	11.7	10.6
7.3	7.0	6.7	6.5	6.5	5.2	4.2	0.4	-0.2	-2.3	-0.3	1.5	2.9	4.1	4.4

ge Piezometer Readings, Prototype Feet of Water

0 5.0	T=240 LC=57.0	T=300 LC=49.1	T=360 LC=41.8	T=420 LC=35.1	T=480 LC=29.6	T=540 LC=24.1	T=600 LC=19.9	T=660 LC=15.9	T=720 LC=12.8	T=780 LC=10.7	T=840 LC=9.0	T=900 LC=7.9	T=1020 LC=7.0
	16.6	15.5	16.1	12.4	11.4	10.8	9.5	8.7	8.4	8.1	8.7	8.5	7.0
	-0.7	-1.5	0.4	1.4	3.3	3.4	4.8	5.3	6.2	6.7	6.7	6.7	7.0
	-0.3	1.6	3.3	4.4	5.5	5.9	6.5	6.7	6.6	7.0	7.1	6.8	7.0
	-2.3	-0.3	1.5	2.9	4.1	4.4	5.7	6.1	6.8	6.9	7.2	7.1	7.0
	2.3	3.4	4.7	5.3	6.3	6.7	6.5	6.8	7.0	6.8	7.0	6.9	7.0
	33.2	28.5	25.4	22.2	19.0	15.8	14.3	11.6	10.3	8.5	8.0	7.0	7.0
	34.1	29.1	25.5	22.2	19.1	16.6	14.2	12.2	10.5	9.1	8.3	7.4	7.0
	34.1	29.1	25.1	22.0	18.9	16.0	13.5	11.4	10.1	8.4	8.0	7.0	7.0
	36.4	31.6	27.5	23.9	20.3	17.3	14.6	12.1	10.5	8.7	7.7	7.0	7.0
	11.2	11.1	10.9	9.7	9.6	9.0	8.3	8.2	7.8	7.4	7.2	6.9	7.0
	16.4	15.3	14.2	12.5	11.7	10.6	9.4	8.8	7.9	7.5	7.1	6.9	7.0
	-2.3	-0.3	1.5	2.9	4.1	4.4	5.7	6.1	6.8	6.9	7.2	7.1	7.0

Table A18
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, U

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=75.9	T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8
15	22+52.1	-17.0	76.5	73.0	71.4	61.0	53.4	50.1	49.4	50.5	48.3	47.8	44.2
15A	22+52.1	-17.0	76.5	74.6	74.2	70.9	67.3	66.9	65.2	60.4	58.1	55.5	53.0
16	21+53.5	-17.0	76.5	71.0	66.3	57.1	51.1	48.3	47.8	47.4	46.1	45.9	42.4
17	22+59.1	-16.9	76.5	72.4	68.9	65.6	55.8	52.4	57.7	54.9	52.5	47.9	44.5
18	22+62.6	-16.8	76.5	69.8	66.3	57.5	51.4	47.8	48.1	48.1	46.7	46.3	42.5
19	22+69.1	-16.6	76.5	69.7	65.9	57.7	50.1	48.6	47.5	46.6	46.6	44.9	42.6
20	22+76.6	-16.5	76.5	71.5	69.3	63.9	57.1	54.2	52.6	53.6	51.6	50.5	47.6
21	22+90.6	-16.5	76.5	69.9	66.5	58.0	50.6	48.6	47.3	48.6	46.3	45.7	42.5
21A	22+90.6	-16.5	76.5	74.7	73.0	70.3	66.2	65.3	63.9	63.1	61.3	59.0	57.0
22	23+50.0	-16.5	76.5	69.9	66.7	57.3	51.5	49.2	47.7	48.3	46.8	45.7	43.1
23	24+50.0	-16.5	76.5	71.1	66.9	60.8	54.4	51.6	51.2	48.2	49.2	47.6	46.0
24	25+50.0	-16.5	76.5	70.0	65.9	58.2	50.3	47.7	46.6	44.8	46.9	44.3	42.4
24A	25+50.0	-16.5	76.5	73.7	72.1	69.9	66.1	65.6	63.4	63.1	61.3	58.9	57.8
25	26+04.3	-24.25	76.5	69.6	65.2	56.0	47.2	45.2	47.1	42.5	42.6	41.7	40.9
26	25+95.9	-24.25	76.5	70.1	65.9	55.4	46.0	44.8	40.8	41.8	40.8	38.6	37.6
27	26+09.2	-17.0	76.5	70.0	64.2	52.5	41.8	39.3	38.6	38.1	36.4	36.0	34.6
27A	26+09.2	-17.0	76.5	74.0	72.9	69.3	66.1	65.2	63.7	63.2	62.5	58.6	57.0
28	26+01.3	-20.1	76.5	72.1	61.5	47.9	31.9	26.2	25.2	24.8	23.8	23.9	22.4
29	26+12.4	-20.1	76.5	74.8	71.1	62.2	50.7	47.2	44.9	45.7	43.8	43.6	40.5
30	25+96.0	-20.1	76.5	72.8	63.5	57.5	34.7	30.8	28.6	29.1	28.7	28.4	27.2
31	26+04.5	-20.1	76.5	74.2	67.7	58.6	49.6	47.3	45.2	45.3	44.2	43.2	40.5
32	25+88.1	-20.1	76.5	75.4	71.7	54.3	34.2	26.5	25.2	26.2	24.8	23.6	23.6
33	25+92.6	-20.1	76.5	76.3	75.9	65.2	52.2	47.3	44.9	47.2	44.7	43.5	42.2
34	26+01.3	-28.4	76.5	74.6	72.3	70.7	65.5	65.2	64.3	62.5	61.7	58.5	57.3
35	26+12.4	-28.4	76.5	77.6	76.9	75.8	73.0	72.2	70.7	68.6	67.6	63.5	62.2
36	25+96.0	-28.4	76.5	76.0	74.6	73.6	72.4	71.7	71.0	70.2	69.3	67.6	66.2
37	26+04.1	-28.4	76.5	74.2	72.8	69.7	66.1	65.7	64.7	62.5	61.9	58.4	57.3
38	25+88.1	-28.4	76.5	77.0	76.5	76.4	75.8	75.5	75.7	75.0	71.9	66.6	65.8
39	25+92.6	-28.4	76.5	76.4	72.5	71.8	66.4	65.2	64.1	62.9	61.8	58.9	57.6
40	25+75.0	-24.1	76.5	74.7	73.6	72.2	67.5	64.0	62.6	61.3	60.2	57.3	56.0
41	25+75.0	-24.1	76.5	74.2	72.2	68.4	65.3	61.3	61.1	58.5	58.3	56.3	52.8

g During Emptying Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=240 LC=59.0	T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=72 LC=
53.4	50.1	49.4	50.5	48.3	47.8	44.2	42.3	39.3	36.2	33.6	30.4	28.1	24.7	23.2	21.5
67.3	66.9	65.2	60.4	58.1	55.5	53.0	48.7	43.7	39.3	35.3	31.5	28.2	24.6	22.0	19.6
51.1	48.3	47.8	47.4	46.1	45.9	42.4	39.6	36.9	34.7	31.3	29.3	26.9	25.0	22.8	20.6
55.8	52.4	57.7	54.9	52.5	47.9	44.5	40.3	37.2	34.7	33.0	29.7	27.6	24.6	23.3	21.0
51.4	47.8	48.1	48.1	46.7	46.3	42.5	39.4	37.9	34.0	31.3	29.3	26.2	23.8	22.6	20.9
50.1	48.6	47.5	46.6	46.6	44.9	42.6	39.1	37.0	34.7	31.5	29.2	26.7	24.2	22.1	19.9
57.1	54.2	52.6	53.6	51.6	50.5	47.6	42.9	40.1	37.3	33.9	31.9	28.8	26.4	23.7	21.6
50.6	48.6	47.3	48.6	46.3	45.7	42.5	39.5	36.6	34.7	31.0	28.9	26.6	24.1	21.9	20.3
66.2	65.3	63.9	63.1	61.3	59.0	57.0	53.0	49.5	45.1	41.7	38.1	35.4	31.6	28.9	26.3
51.5	49.2	47.7	48.3	46.8	45.7	43.1	39.2	36.9	35.5	31.5	29.2	27.1	24.6	23.3	20.0
54.4	51.6	51.2	48.2	49.2	47.6	46.0	41.4	38.5	36.9	32.0	30.1	28.2	25.5	23.3	21.0
50.3	47.7	46.6	44.8	46.9	44.3	42.4	39.8	37.0	34.7	31.1	28.8	26.3	24.2	21.8	20.7
66.1	65.6	63.4	63.1	61.3	58.9	57.8	53.3	49.1	45.5	42.0	38.7	34.8	31.7	24.8	23.9
47.2	45.2	47.1	42.5	42.6	41.7	40.9	38.1	38.0	34.7	30.6	29.5	25.6	23.9	20.9	21.1
46.0	44.8	40.8	41.8	40.8	38.6	37.6	34.3	33.9	30.3	28.8	25.4	23.9	21.6	20.5	20.3
41.8	39.3	38.6	38.1	36.4	36.0	34.6	34.0	30.1	28.2	26.5	24.6	23.0	20.3	18.7	17.7
66.1	65.2	63.7	63.2	62.5	58.6	57.0	52.5	48.5	45.1	41.1	37.6	34.7	31.7	29.2	25.9
31.9	26.2	25.2	24.8	23.8	23.9	22.4	21.9	21.3	20.2	18.8	17.6	17.0	15.6	15.1	13.6
50.7	47.2	44.9	45.7	43.8	43.6	40.5	38.3	35.9	32.7	30.1	27.9	25.7	23.6	21.3	19.2
34.7	30.8	28.6	29.1	28.7	28.4	27.2	25.5	25.6	24.7	23.6	22.6	21.6	20.8	20.3	19.1
49.6	47.3	45.2	45.3	44.2	43.2	40.5	38.0	36.1	33.5	30.9	27.9	25.9	23.9	22.4	20.5
34.2	26.5	25.2	26.2	24.8	23.6	23.6	22.0	20.9	20.2	19.7	18.6	16.3	16.1	15.7	14.4
52.2	47.3	44.9	47.2	44.7	43.5	42.2	37.1	36.4	33.7	31.7	27.6	26.1	24.3	22.1	19.5
65.5	65.2	64.3	62.5	61.7	58.5	57.3	53.0	48.5	44.8	41.1	38.3	34.5	31.3	28.6	25.9
73.0	72.2	70.7	68.6	67.6	63.5	62.2	57.3	52.3	47.8	43.8	40.5	36.5	33.3	30.3	27.3
72.4	71.7	71.0	70.2	69.3	67.6	66.2	60.9	56.8	53.2	50.0	44.5	38.1	34.6	31.4	27.5
66.1	65.7	64.7	62.5	61.9	58.4	57.3	52.9	48.2	44.0	40.9	37.5	34.6	32.3	30.4	28.9
75.8	75.5	75.7	75.0	71.9	66.6	65.8	58.0	52.8	47.9	44.0	40.5	37.0	33.3	30.5	27.6
66.4	65.2	64.1	62.9	61.8	58.9	57.6	52.5	48.3	44.3	40.7	37.8	34.6	31.5	29.3	27.1
67.5	64.0	62.6	61.3	60.2	57.3	56.0	51.0	47.4	43.2	39.8	37.5	33.8	31.2	28.7	25.5
65.3	61.3	61.1	58.5	58.3	56.3	52.8	52.0	49.4	48.4	46.4	40.6	37.4	35.3	33.7	26.6

El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 1 Min (Constant Speed Gate), Single Valve Operation

ometer Readings, Prototype Feet of Water

300 =54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T=780 LC=25.4	T=840 LC=22.7	T=900 LC=20.4	T=1020 LC=16.4	T=1260 LC=10.4	T=1500 LC=8.0	T=1740 LC=7.0
.3	36.2	33.6	30.4	28.1	24.7	23.2	21.5	19.9	18.5	16.9	13.6	10.1	7.2	7.0
.7	39.3	35.3	31.5	28.2	24.6	22.0	19.6	17.3	15.6	14.2	12.9	9.4	7.4	7.0
.9	34.7	31.3	29.3	26.9	25.0	22.8	20.6	19.1	16.9	16.0	13.9	9.4	8.4	7.0
.2	34.7	33.0	29.7	27.6	24.6	23.3	21.0	19.9	17.6	16.2	13.5	9.4	7.5	7.0
.9	34.0	31.3	29.3	26.2	23.8	22.6	20.9	18.8	16.9	15.7	12.7	8.9	7.1	7.0
.0	34.7	31.5	29.2	26.7	24.2	22.1	19.9	18.2	17.4	15.7	12.2	8.8	7.1	7.0
.1	37.3	33.9	31.9	28.8	26.4	23.7	21.6	20.0	19.0	16.7	13.9	9.5	8.3	7.0
.6	34.7	31.0	28.9	26.6	24.1	21.9	20.3	18.2	17.2	16.3	12.3	9.1	6.6	7.0
.5	45.1	41.7	38.1	35.4	31.6	28.9	26.3	23.5	21.7	19.1	15.5	10.7	7.7	7.0
.9	35.5	31.5	29.2	27.1	24.6	23.3	20.0	18.9	17.3	16.0	13.3	9.3	7.4	7.0
.5	36.9	32.0	30.1	28.2	25.5	23.3	21.0	19.2	17.8	16.1	12.9	9.4	7.9	7.0
.0	34.7	31.1	28.8	26.3	24.2	21.8	20.7	19.0	16.7	15.4	12.8	9.0	7.5	7.0
.1	45.5	42.0	38.7	34.8	31.7	24.8	23.9	22.1	19.8	18.4	14.6	10.5	7.9	7.0
.0	34.7	30.6	29.5	25.6	23.9	20.9	21.1	17.8	17.1	15.1	12.3	9.0	8.1	7.0
.9	30.3	28.8	25.4	23.9	21.6	20.5	20.3	16.9	16.2	15.4	12.0	9.1	6.9	7.0
.1	28.2	26.5	24.6	23.0	20.3	18.7	17.7	16.8	15.6	14.2	11.8	9.7	7.4	7.0
.5	45.1	41.1	37.6	34.7	31.7	29.2	25.9	23.3	21.0	19.1	15.9	10.2	7.5	7.0
.3	20.2	18.8	17.6	17.0	15.6	15.1	13.6	13.6	12.4	11.7	10.5	8.6	7.7	7.0
.9	32.7	30.1	27.9	25.7	23.6	21.3	19.2	17.7	16.0	14.4	12.3	8.5	6.8	7.0
.6	24.7	23.6	22.6	21.6	20.8	20.3	19.1	18.6	17.9	17.3	11.5	8.9	7.6	7.0
.1	33.5	30.9	27.9	25.9	23.9	22.4	20.5	18.5	17.3	15.7	13.3	9.3	7.7	7.0
.9	20.2	19.7	18.6	16.3	16.1	15.7	14.4	13.6	12.5	11.5	10.8	8.5	7.7	7.0
.4	33.7	31.7	27.6	26.1	24.3	22.1	19.5	18.5	16.9	15.3	13.0	9.2	7.5	7.0
.5	44.8	41.1	38.3	34.5	31.3	28.6	25.9	23.3	20.8	18.9	15.1	9.9	7.4	7.0
.3	47.8	43.8	40.5	36.5	33.3	30.3	27.3	24.4	22.2	19.9	15.7	10.1	7.6	7.0
.8	53.2	50.0	44.5	38.1	34.6	31.4	27.5	25.3	22.8	20.7	17.3	11.2	7.8	7.0
.2	44.0	40.9	37.5	34.6	32.3	30.4	28.9	27.8	26.5	25.1	18.8	14.1	7.4	7.0
.8	47.9	44.0	40.5	37.0	33.3	30.5	27.6	24.8	22.4	20.0	16.0	10.7	7.6	7.0
.3	44.3	40.7	37.8	34.6	31.5	29.3	27.1	25.2	23.8	22.1	19.3	10.1	7.3	7.0
.4	43.2	39.8	37.5	33.8	31.2	28.7	25.5	23.6	21.6	18.7	15.3	10.1	7.2	7.0
.4	48.4	46.4	40.6	37.4	35.3	33.7	26.6	24.1	21.6	19.3	15.3	9.9	7.0	7.0

Table A18 (Continued)

Piezometer Location														A
No.	Station	Ele-vation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=75.9	T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=2 LC=
42	25+70.0	-24.0	76.5	75.5	72.9	71.0	64.9	62.4	61.3	60.6	58.8	56.5	54.2	50.(
43	25+70.0	-24.0	76.5	74.6	71.7	67.8	63.4	62.5	60.0	59.9	58.9	56.7	55.3	50.9
44	25+65.0	-23.1	76.5	74.0	71.0	65.7	59.9	57.9	56.1	55.6	54.6	53.4	50.8	47.(
45	25+65.0	-23.1	76.5	75.9	75.4	75.1	74.6	74.2	73.8	73.4	73.2	72.6	72.1	70.9
46	25+65.0	-23.1	76.5	76.0	75.6	75.3	75.0	74.7	74.5	74.4	74.2	64.5	61.1	56.2
47	25+60.0	-22.7	76.5	74.5	71.6	67.3	62.0	59.9	57.9	57.8	56.4	54.5	52.2	48.8
48	25+60.0	-22.7	76.5	73.9	71.7	67.9	62.6	60.6	58.9	58.4	57.3	55.3	53.4	49.5
49	25+60.0	-22.7	76.5	74.4	71.7	68.0	62.5	60.9	59.2	58.9	57.5	55.2	53.4	49.(
50	25+60.0	-22.7	76.5	74.4	71.6	67.5	62.2	60.3	58.6	57.8	56.7	54.8	52.6	48.(
51	25+50.0	-22.1	76.5	76.0	72.9	69.1	63.6	61.3	59.7	59.0	57.7	55.9	53.8	50.(
52	25+50.0	-22.1	76.5	74.8	71.8	67.7	62.5	60.7	59.2	58.6	56.9	55.0	53.2	49.(
53	25+50.0	-22.1	76.5	76.7	75.7	75.0	74.5	73.7	71.5	69.9	65.7	62.1	59.4	54.(
54	25+50.0	-22.1	76.5	74.5	71.9	68.4	63.6	61.6	60.0	59.5	58.1	56.1	53.8	50.2
55	25+40.0	-21.5	76.5	74.9	72.1	68.2	62.9	60.8	59.6	58.7	57.1	55.3	53.4	49.4
56	25+40.0	-21.5	76.5	75.7	74.2	72.2	69.5	67.6	66.3	65.2	63.8	61.4	59.4	54.(
57	25+40.0	-21.5	76.5	74.7	72.2	68.5	64.2	62.1	61.2	59.8	58.7	56.5	54.8	50.7
58	25+40.0	-21.5	76.5	76.3	76.3	74.3	69.9	68.1	66.8	65.8	65.3	58.0	55.9	51.5
59	25+30.0	-20.9	76.5	75.1	73.0	70.3	65.8	64.2	62.9	61.2	60.4	58.2	55.8	52.1
60	25+30.0	-20.9	76.5	74.7	72.6	69.1	64.8	63.0	61.3	60.0	59.0	57.1	54.7	51.(
61	25+30.0	-20.9	76.5	75.0	72.5	68.5	63.7	61.5	60.6	59.1	58.0	54.7	52.9	51.1
62	25+30.0	-20.9	76.5	75.0	72.6	69.4	65.4	63.2	62.0	60.5	59.7	57.5	55.5	51.4
63	25+25.0	-20.9	76.5	75.1	72.7	69.4	64.9	63.2	62.0	60.5	59.7	57.9	55.5	51.3
64	25+25.0	-20.6	76.5	75.1	73.0	69.6	64.6	62.7	61.6	60.2	59.1	57.1	55.0	51.(
65	25+25.0	-20.6	76.5	75.3	71.2	67.3	61.9	58.5	57.8	55.9	53.5	53.5	51.0	47.1
66	25+25.0	-20.6	76.5	75.2	73.2	70.3	66.7	64.8	63.5	62.1	60.5	59.0	57.0	52.8
68	25+23.0	-20.6	76.5	76.1	75.9	74.4	73.1	71.6	70.4	69.2	67.8	65.4	62.7	58.2
69	25+23.0	-20.6	76.5	74.9	71.3	66.5	61.1	57.9	56.6	55.7	55.1	52.6	51.8	47.4
70	25+23.0	-20.6	76.5	75.4	73.0	69.2	64.7	62.4	61.3	60.6	58.7	57.2	54.8	51.3
71	25+10.2	-24.25	76.5	75.6	73.5	71.1	68.3	66.5	64.9	63.8	62.8	59.5	58.1	52.1
71A	25+10.2	-24.25	76.5	76.0	72.7	69.4	66.2	63.7	62.9	60.4	60.6	58.6	56.5	52.9
72	25+00.2	-24.25	76.5	76.0	74.0	71.9	68.3	66.6	65.6	64.7	63.2	61.0	59.0	54.3

Average Piezometer Readings, Prototype Feet of Water

=60 C=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=240 LC=59.0	T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T= L(
.9	62.4	61.3	60.6	58.8	56.5	54.2	50.6	46.6	43.5	40.2	35.9	33.1	30.0	27.8	25.0	2
.4	62.5	60.0	59.9	58.9	56.7	55.3	50.9	47.7	43.5	40.4	36.9	33.2	30.3	27.5	24.9	2
.9	57.9	56.1	55.6	54.6	53.4	50.8	47.1	44.0	40.0	37.4	35.1	31.6	28.3	26.4	24.6	2
.6	74.2	73.8	73.4	73.2	72.6	72.1	70.9	69.4	68.5	67.0	56.1	53.7	41.9	29.3	26.7	2
.0	74.7	74.5	74.4	74.2	64.5	61.1	56.2	51.7	47.5	43.5	39.5	36.1	32.7	29.7	26.8	2
.0	59.9	57.9	57.8	56.4	54.5	52.2	48.8	45.0	41.9	38.1	35.1	32.0	29.2	26.7	24.2	2
.6	60.6	58.9	58.4	57.3	55.3	53.4	49.5	45.9	42.7	38.9	36.1	32.7	29.8	27.4	25.0	2
.5	60.9	59.2	58.9	57.5	55.2	53.4	49.6	45.9	42.7	38.9	35.8	32.5	29.8	27.2	24.7	2
.2	60.3	58.6	57.8	56.7	54.8	52.6	48.8	45.1	42.3	38.2	35.5	32.2	29.2	26.7	24.6	2
.6	61.3	59.7	59.0	57.7	55.9	53.8	50.0	45.9	42.8	39.2	35.7	33.1	30.3	27.4	25.0	2
.5	60.7	59.2	58.6	56.9	55.0	53.2	49.6	45.3	42.5	39.0	35.2	32.8	30.0	27.1	24.5	2
.5	73.7	71.5	69.9	65.7	62.1	59.4	54.6	49.8	46.3	41.7	38.7	34.9	31.8	28.7	26.0	2
.6	61.6	60.0	59.5	58.1	56.1	53.8	50.2	46.3	42.8	39.1	36.0	32.7	30.0	27.2	24.9	2
.9	60.8	59.6	58.7	57.1	55.3	53.4	49.4	45.9	42.2	38.8	35.8	33.1	30.0	27.6	24.8	2
.5	67.6	66.3	65.2	63.8	61.4	59.4	54.8	50.6	46.5	42.4	39.1	35.7	32.5	29.3	26.9	2
.2	62.1	61.2	59.8	58.7	56.5	54.8	50.7	46.9	43.0	39.5	36.3	33.5	30.4	27.2	25.2	2
.9	68.1	66.8	65.8	65.3	58.0	55.9	51.5	47.7	44.0	40.0	37.0	33.7	30.8	27.9	25.5	2
.8	64.2	62.9	61.2	60.4	58.2	55.8	52.1	48.1	44.2	40.6	37.4	34.3	31.2	28.2	25.7	2
.8	63.0	61.3	60.0	59.0	57.1	54.7	51.0	47.0	43.4	40.1	36.7	33.5	30.6	27.9	25.5	2
.7	61.5	60.6	59.1	58.0	54.7	52.9	51.1	44.3	43.1	39.5	36.0	32.9	30.6	28.3	25.3	2
.4	63.2	62.0	60.5	59.7	57.5	55.5	51.4	47.6	43.9	40.2	36.9	33.8	31.0	28.1	25.6	2
.9	63.2	62.0	60.5	59.7	57.9	55.5	51.2	47.7	43.5	40.1	36.7	33.7	30.8	27.8	25.2	2
.6	62.7	61.6	60.2	59.1	57.1	55.0	51.0	47.3	43.6	40.2	36.8	33.8	30.9	28.2	25.7	2
.9	58.5	57.8	55.9	53.5	53.5	51.0	47.7	45.5	41.1	38.0	34.6	32.8	29.5	26.8	24.3	2
.7	64.8	63.5	62.1	60.5	59.0	57.0	52.8	48.5	44.9	40.9	37.8	34.5	31.5	28.3	25.8	2
.1	71.6	70.4	69.2	67.8	65.4	62.7	58.2	53.5	49.2	45.2	41.5	37.8	34.1	30.9	28.1	2
.1	57.9	56.6	55.7	55.1	52.6	51.8	47.4	43.7	40.9	37.4	34.6	31.3	28.7	26.1	23.8	2
.7	62.4	61.3	60.6	58.7	57.2	54.8	51.2	47.2	43.7	40.1	37.0	33.6	31.0	28.0	25.3	2
.3	66.5	64.9	63.8	62.8	59.5	58.1	52.7	49.4	45.5	41.1	38.3	34.6	32.1	30.0	27.9	2
.2	63.7	62.9	60.4	60.6	58.6	56.5	52.9	47.9	44.8	41.0	38.1	34.1	31.5	28.9	26.2	2
.3	66.6	65.6	64.7	63.2	61.0	59.0	54.3	50.8	45.9	42.6	38.8	35.5	32.2	29.4	26.4	2

Piezometer Readings, Prototype Feet of Water

T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T=780 LC=25.4	T=840 LC=22.7	T=900 LC=20.4	T=1020 LC=16.4	T=1260 LC=10.4	T=1500 LC=8.0	T=1740 LC=7.0
46.6	43.5	40.2	35.9	33.1	30.0	27.8	25.0	22.6	20.7	18.7	15.1	10.4	7.7	7.0
47.7	43.5	40.4	36.9	33.2	30.3	27.5	24.9	22.7	20.4	18.2	14.9	10.2	7.5	7.0
44.0	40.0	37.4	35.1	31.6	28.3	26.4	24.6	22.0	19.8	18.0	15.0	11.7	7.6	7.0
69.4	68.5	67.0	56.1	53.7	41.9	29.3	26.7	24.2	21.9	19.8	16.1	10.6	7.8	7.0
51.7	47.5	43.5	39.5	36.1	32.7	29.7	26.8	24.3	21.6	19.7	15.6	10.4	7.5	7.0
45.0	41.9	38.1	35.1	32.0	29.2	26.7	24.2	22.0	20.0	18.0	14.7	10.0	7.5	7.0
45.9	42.7	38.9	36.1	32.7	29.8	27.4	25.0	22.6	20.8	18.7	15.2	10.3	7.8	7.0
45.9	42.7	38.9	35.8	32.5	29.8	27.2	24.7	22.3	20.3	18.1	14.8	10.1	7.5	7.0
45.1	42.3	38.2	35.5	32.2	29.2	26.7	24.6	22.0	20.0	18.0	14.6	9.9	7.3	7.0
45.9	42.8	39.2	35.7	33.1	30.3	27.4	25.0	22.5	20.6	18.4	15.3	10.3	7.5	7.0
45.3	42.5	39.0	35.2	32.8	30.0	27.1	24.5	22.1	20.2	18.2	14.4	9.9	7.2	7.0
49.8	46.3	41.7	38.7	34.9	31.8	28.7	26.0	23.6	21.3	18.9	15.1	10.0	7.4	7.0
46.3	42.8	39.1	36.0	32.7	30.0	27.2	24.9	22.3	20.2	18.2	14.8	10.0	7.2	7.0
45.9	42.2	38.8	35.8	33.1	30.0	27.6	24.8	22.6	20.4	18.6	15.1	10.1	7.7	7.0
50.6	46.5	42.4	39.1	35.7	32.5	29.3	26.9	24.2	21.5	19.3	15.7	10.1	7.7	7.0
46.9	43.0	39.5	36.3	33.5	30.4	27.2	25.2	22.9	20.6	18.8	15.2	10.1	7.5	7.0
47.7	44.0	40.0	37.0	33.7	30.8	27.9	25.5	23.1	20.6	18.6	15.1	10.0	7.2	7.0
48.1	44.2	40.6	37.4	34.3	31.2	28.2	25.7	23.2	20.9	19.0	15.1	10.2	7.4	7.0
47.0	43.4	40.1	36.7	33.5	30.6	27.9	25.5	22.9	20.7	18.5	15.2	10.0	7.3	7.0
44.3	43.1	39.5	36.0	32.9	30.6	28.3	25.3	22.8	20.5	18.8	15.2	10.2	7.7	7.0
47.6	43.9	40.2	36.9	33.8	31.0	28.1	25.6	23.0	20.8	18.8	15.4	10.4	7.6	7.0
47.7	43.5	40.1	36.7	33.7	30.8	27.8	25.2	23.1	20.5	18.7	15.0	10.1	7.4	7.0
47.3	43.6	40.2	36.8	33.8	30.9	28.2	25.7	23.5	21.2	18.9	15.5	10.1	7.8	7.0
45.5	41.1	38.0	34.6	32.8	29.5	26.8	24.3	22.3	20.3	18.3	14.9	10.3	7.6	7.0
48.5	44.9	40.9	37.8	34.5	31.5	28.3	25.8	23.5	21.4	19.1	15.5	10.4	7.7	7.0
53.5	49.2	45.2	41.5	37.8	34.1	30.9	28.1	25.1	22.6	20.1	16.3	10.4	7.6	7.0
43.7	40.9	37.4	34.6	31.3	28.7	26.1	23.8	21.8	19.7	17.8	14.7	9.8	7.3	7.0
47.2	43.7	40.1	37.0	33.6	31.0	28.0	25.3	22.8	20.6	18.6	15.2	9.9	7.4	7.0
49.4	45.5	41.1	38.3	34.6	32.1	30.0	27.9	25.0	22.4	20.2	16.2	10.6	7.8	7.0
47.9	44.8	41.0	38.1	34.1	31.5	28.9	26.2	23.4	21.2	19.3	15.5	10.5	7.4	7.0
50.8	45.9	42.6	38.8	35.5	32.2	29.4	26.4	24.3	21.4	19.7	15.7	10.5	7.7	7.0

Table A18 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=75.9	T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8
73	24+90.2	-24.25	76.5	76.2	75.1	74.4	73.4	72.9	72.7	72.8	72.4	71.9	65.0
74	24+80.2	-24.25	76.5	76.1	74.9	72.7	70.2	68.8	67.0	66.1	64.9	62.5	60.3
75	24+70.2	-24.25	76.5	75.8	74.3	73.4	70.1	68.7	67.3	65.9	64.6	62.5	61.1
76	24+60.2	-24.25	76.5	76.4	75.6	74.1	71.3	69.1	68.0	67.6	65.6	63.2	60.9
77	24+50.2	-24.25	76.5	75.9	75.0	70.8	69.6	69.0	68.3	68.3	68.2	66.9	66.5
78	24+40.2	-24.25	76.5	76.4	75.4	73.8	72.1	70.4	69.2	67.8	66.6	63.9	61.6
79	24+30.2	-24.25	76.5	76.4	75.9	74.6	73.5	72.3	71.8	71.1	70.4	68.7	67.1
79A	24+30.2	-24.25	76.5	76.5	75.3	73.7	72.0	70.0	69.0	67.2	65.9	64.1	61.3
80	26+17.0	-28.4	76.5	71.7	62.8	49.6	36.2	32.7	31.6	29.7	29.6	29.6	29.0
81	26+06.0	-28.4	76.5	72.9	68.5	61.5	53.6	51.5	50.7	48.9	47.9	46.8	45.4
82	26+22.4	-28.4	76.5	71.5	63.1	49.9	36.5	32.8	32.2	30.7	30.1	29.9	29.1
83	26+13.9	-28.4	76.5	72.4	67.5	59.9	51.8	50.2	48.8	47.7	46.7	45.1	44.1
84	26+30.3	-28.4	76.5	71.9	62.7	49.2	36.3	32.2	31.3	30.5	29.7	29.5	28.5
85	26+25.7	-28.4	76.5	72.8	67.5	59.6	51.4	49.9	48.3	46.9	46.4	45.2	43.7
86	26+17.0	-20.1	76.5	74.4	72.9	70.0	66.9	65.7	64.1	62.7	61.3	59.4	56.8
87	26+06.0	-20.1	76.5	74.9	72.6	70.0	66.8	65.6	64.0	62.9	61.5	59.3	56.8
88	26+22.4	-20.1	76.5	74.3	72.7	70.0	66.7	65.6	64.1	62.7	61.3	59.1	57.1
89	26+13.9	-20.1	76.5	74.6	72.7	70.0	66.9	65.6	64.2	62.7	61.4	59.6	56.9
90	26+30.3	-20.1	76.5	74.4	72.5	69.9	66.0	65.2	64.0	62.7	60.8	58.9	56.3
91	26+25.7	-20.1	76.5	74.4	72.6	70.1	66.3	65.3	64.1	63.0	61.4	59.1	56.8
92	26+43.3	-24.1	76.5	74.1	70.8	67.4	62.2	61.1	59.5	57.7	56.8	54.9	53.3
93	26+43.3	-24.1	76.5	74.0	71.4	66.1	59.7	59.7	56.7	56.7	55.7	53.3	51.9
94	26+48.3	-24.0	76.5	74.1	71.8	66.9	62.0	61.1	59.5	58.3	57.3	55.2	53.3
95	26+48.3	-24.0	76.5	74.3	71.5	68.1	63.6	62.3	60.8	59.3	58.2	56.6	54.4
96	26+53.3	-23.1	76.5	74.7	71.6	67.2	62.5	60.7	59.0	58.2	57.0	54.8	53.2
97	26+53.3	-23.1	76.5	74.5	70.7	66.2	61.5	60.3	58.9	57.3	56.0	54.5	52.4
98	26+53.3	-23.1	76.5	76.2	76.1	75.7	73.4	70.4	68.0	65.9	64.5	61.9	59.4
99	26+58.3	-22.7	76.5	76.0	75.5	74.9	69.7	67.2	65.1	63.7	62.5	60.0	57.4
100	26+58.3	-22.7	76.5	74.5	71.7	67.8	62.9	61.4	60.2	59.5	58.1	55.7	53.7
101	26+58.3	-22.7	76.5	74.4	71.4	67.5	62.8	61.9	60.2	58.9	58.0	55.9	54.1
102	26+58.3	-22.7	76.5	75.1	72.3	68.4	63.7	62.4	60.9	59.6	58.6	56.6	54.5

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=240 LC=59.0	T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=66(LC=3
4.4	73.4	72.9	72.7	72.8	72.4	71.9	65.0	57.8	53.6	48.2	44.3	40.7	36.7	33.4	30.4
2.7	70.2	68.8	67.0	66.1	64.9	62.5	60.3	55.9	52.0	47.5	43.3	39.9	35.8	32.9	29.9
3.4	70.1	68.7	67.3	65.9	64.6	62.5	61.1	55.5	51.3	47.5	43.2	40.3	36.3	33.6	29.6
4.1	71.3	69.1	68.0	67.6	65.6	63.2	60.9	57.1	51.7	48.5	44.1	40.1	37.1	33.6	30.6
0.8	69.6	69.0	68.3	68.3	68.2	66.9	66.5	61.1	54.2	50.7	43.6	40.9	39.5	39.6	35.1
3.8	72.1	70.4	69.2	67.8	66.6	63.9	61.6	57.1	52.8	48.5	44.5	40.9	36.9	33.8	30.7
4.6	73.5	72.3	71.8	71.1	70.4	68.7	67.1	63.0	59.8	55.7	47.7	45.1	42.3	39.7	37.2
3.7	72.0	70.0	69.0	67.2	65.9	64.1	61.3	56.8	52.7	48.1	43.8	40.7	36.8	33.6	30.3
9.6	36.2	32.7	31.6	29.7	29.6	29.6	29.0	26.3	25.1	24.0	22.2	20.7	19.8	18.4	17.3
1.5	53.6	51.5	50.7	48.9	47.9	46.8	45.4	41.6	39.1	36.4	33.0	30.6	28.2	26.0	23.9
9.9	36.5	32.8	32.2	30.7	30.1	29.9	29.1	27.1	25.7	24.2	22.4	21.2	20.2	18.7	17.1
9.9	51.8	50.2	48.8	47.7	46.7	45.1	44.1	41.0	37.8	35.0	32.4	30.0	27.5	25.3	23.3
9.2	36.3	32.2	31.3	30.5	29.7	29.5	28.5	27.0	25.3	24.2	22.4	20.9	19.8	18.8	17.3
9.6	51.4	49.9	48.3	46.9	46.4	45.2	43.7	40.2	37.5	35.1	32.3	29.5	27.4	25.0	23.3
0.0	66.9	65.7	64.1	62.7	61.3	59.4	56.8	52.8	49.2	45.1	41.5	38.5	34.6	31.5	28.7
0.0	66.8	65.6	64.0	62.9	61.5	59.3	56.8	52.6	49.5	45.0	41.5	38.2	34.9	31.7	28.9
0.0	66.7	65.6	64.1	62.7	61.3	59.1	57.1	52.8	49.0	45.0	41.4	38.4	34.7	31.8	28.5
0.0	66.9	65.6	64.2	62.7	61.4	59.6	56.9	53.1	49.2	45.4	41.5	38.3	34.6	31.6	28.8
9.9	66.0	65.2	64.0	62.7	60.8	58.9	56.3	52.8	48.8	44.6	41.4	38.2	34.9	31.5	28.5
0.1	66.3	65.3	64.1	63.0	61.4	59.1	56.8	53.0	49.5	46.3	43.5	41.6	38.9	31.5	28.5
7.4	62.2	61.1	59.5	57.7	56.8	54.9	53.3	49.3	45.8	41.9	39.3	36.0	32.6	29.7	27.1
6.1	59.7	59.7	56.7	56.7	55.7	53.3	51.9	47.0	44.6	41.1	37.1	34.3	31.9	28.9	25.7
6.9	62.0	61.1	59.5	58.3	57.3	55.2	53.3	49.3	45.9	42.4	38.8	35.5	32.8	29.7	27.3
8.1	63.6	62.3	60.8	59.3	58.2	56.6	54.4	50.4	46.3	42.9	39.4	36.1	33.2	30.4	27.8
7.2	62.5	60.7	59.0	58.2	57.0	54.8	53.2	49.3	45.6	41.8	38.8	35.9	32.7	29.9	27.2
6.2	61.5	60.3	58.9	57.3	56.0	54.5	52.4	48.4	45.1	41.4	38.5	35.0	32.4	29.6	27.0
5.7	73.4	70.4	68.0	65.9	64.5	61.9	59.4	54.4	50.1	46.2	42.0	38.5	35.2	32.0	29.0
4.9	69.7	67.2	65.1	63.7	62.5	60.0	57.4	53.0	48.8	44.6	41.1	37.4	34.2	31.3	28.4
7.8	62.9	61.4	60.2	59.5	58.1	55.7	53.7	50.5	46.0	42.6	40.2	36.0	33.6	29.8	27.6
7.5	62.8	61.9	60.2	58.9	58.0	55.9	54.1	49.9	46.4	42.7	39.2	36.1	33.1	30.3	27.4
8.4	63.7	62.4	60.9	59.6	58.6	56.6	54.5	50.5	46.8	43.3	39.9	36.4	33.6	30.4	27.7

Piezometer Readings, Prototype Feet of Water

T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T=780 LC=25.4	T=840 LC=22.7	T=900 LC=20.4	T=1020 LC=16.4	T=1260 LC=10.4	T=1500 LC=8.0	T=1740 LC=7.0
53.6	48.2	44.3	40.7	36.7	33.4	30.4	27.4	24.8	22.3	20.1	16.1	10.5	7.7	7.0
52.0	47.5	43.3	39.9	35.8	32.9	29.9	27.0	24.4	21.8	19.7	15.9	10.5	7.8	7.0
51.3	47.5	43.2	40.3	36.3	33.6	29.6	27.1	24.1	22.5	19.6	16.4	10.3	8.9	7.0
51.7	48.5	44.1	40.1	37.1	33.6	30.6	28.0	24.3	22.5	20.8	15.9	10.8	7.4	7.0
54.2	50.7	43.6	40.9	39.5	39.6	35.1	27.2	25.2	17.5	16.2	13.0	8.2	7.2	7.0
52.8	48.5	44.5	40.9	36.9	33.8	30.7	27.7	24.8	22.3	20.1	16.2	10.3	7.6	7.0
59.8	55.7	47.7	45.1	42.3	39.7	37.2	34.4	31.0	25.6	23.0	18.8	12.7	8.0	7.0
52.7	48.1	43.8	40.7	36.8	33.6	30.3	27.4	24.8	22.2	20.0	16.1	10.4	7.8	7.0
25.1	24.0	22.2	20.7	19.8	18.4	17.3	15.8	14.9	14.0	12.7	11.2	8.6	7.6	7.0
39.1	36.4	33.0	30.6	28.2	26.0	23.9	21.8	20.0	17.8	16.4	13.5	9.6	7.4	7.0
25.7	24.2	22.4	21.2	20.2	18.7	17.1	16.1	15.2	13.9	12.8	11.5	8.8	7.6	7.0
37.8	35.0	32.4	30.0	27.5	25.3	23.3	21.0	19.6	17.7	16.2	13.6	9.1	7.3	7.0
25.3	24.2	22.4	20.9	19.8	18.8	17.3	15.9	14.8	13.6	13.1	11.0	8.5	7.4	7.0
37.5	35.1	32.3	29.5	27.4	25.0	23.3	20.9	19.2	17.6	16.0	13.1	9.4	7.3	7.0
49.2	45.1	41.5	38.5	34.6	31.5	28.7	26.1	23.7	21.3	18.9	15.8	10.1	7.5	7.0
49.5	45.0	41.5	38.2	34.9	31.7	28.9	26.1	23.7	21.4	19.1	15.4	10.3	7.6	7.0
49.0	45.0	41.4	38.4	34.7	31.8	28.5	26.0	23.6	21.3	19.1	15.4	10.3	8.1	7.0
49.2	45.4	41.5	38.3	34.6	31.6	28.8	26.0	23.6	21.3	19.1	15.6	10.4	7.5	7.0
48.8	44.6	41.4	38.2	34.9	31.5	28.5	26.3	23.9	21.3	19.2	15.5	10.2	7.8	7.0
49.5	46.3	43.5	41.6	38.9	31.5	28.5	26.2	24.0	22.1	20.2	17.7	14.1	12.3	7.0
45.8	41.9	39.3	36.0	32.6	29.7	27.1	25.0	22.4	20.1	18.3	15.1	10.2	7.8	7.0
44.6	41.1	37.1	34.3	31.9	28.9	25.7	24.0	21.7	19.6	17.7	15.3	11.1	8.5	7.0
45.9	42.4	38.8	35.5	32.8	29.7	27.3	24.8	22.6	20.5	18.2	15.2	10.2	7.6	7.0
46.3	42.9	39.4	36.1	33.2	30.4	27.8	25.1	22.7	20.4	18.7	15.0	10.0	7.5	7.0
45.6	41.8	38.8	35.9	32.7	29.9	27.2	24.7	22.3	20.5	18.5	15.2	10.0	7.5	7.0
45.1	41.4	38.5	35.0	32.4	29.6	27.0	24.6	22.3	20.4	18.2	14.7	9.9	7.8	7.0
50.1	46.2	42.0	38.5	35.2	32.0	29.0	26.3	23.8	21.4	19.3	15.6	10.3	8.0	7.0
48.8	44.6	41.1	37.4	34.2	31.3	28.4	26.0	23.5	21.2	18.9	15.3	10.3	7.5	7.0
46.0	42.6	40.2	36.0	33.6	29.8	27.6	24.7	22.9	20.1	17.8	14.6	10.4	7.3	7.0
46.4	42.7	39.2	36.1	33.1	30.3	27.4	25.3	22.5	20.4	18.3	15.1	10.4	7.2	7.0
46.8	43.3	39.9	36.4	33.6	30.4	27.7	25.4	23.0	20.6	18.5	15.1	9.9	7.4	7.0

Table A18 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=75.9	T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.
103	26+68.3	-22.1	76.5	75.8	74.5	73.3	72.1	70.6	67.6	65.3	63.7	60.7	57.9
104	26+68.3	-22.1	76.5	74.4	72.0	67.9	63.5	62.4	60.8	59.7	58.7	56.5	54.5
105	26+68.3	-22.1	76.5	74.8	72.1	68.6	64.1	62.6	61.1	60.1	58.9	57.0	54.7
106	26+68.3	-22.1	76.5	76.2	75.5	75.3	74.8	71.4	67.2	65.8	64.2	61.5	59.4
107	26+78.3	-21.5	76.5	74.6	72.1	68.1	64.0	63.0	61.0	60.0	59.0	57.0	54.9
108	26+78.3	-21.5	76.5	75.1	73.8	71.3	68.1	66.4	64.5	63.3	61.9	59.5	57.3
109	26+78.3	-21.5	76.5	74.6	72.0	68.4	64.2	62.7	61.4	60.3	58.9	57.2	55.1
110	26+78.3	-21.5	76.5	76.4	75.8	76.0	75.3	75.3	75.1	74.4	72.3	65.2	62.4
111	26+88.3	-20.9	76.5	75.1	72.9	69.7	65.5	64.1	62.7	61.6	60.6	58.4	55.9
112	26+88.3	-20.9	76.5	74.9	72.2	68.3	63.7	61.9	61.2	59.2	58.8	57.0	54.6
113	26+88.3	-20.9	76.5	75.3	72.3	68.7	64.1	62.7	61.0	59.6	59.0	56.8	54.7
114	26+88.3	-20.9	76.5	76.4	75.8	75.4	74.5	74.1	74.1	73.4	73.2	72.0	65.1
115	26+93.3	-20.6	76.5	75.4	72.7	69.7	66.3	64.7	64.0	62.4	61.1	59.2	56.0
116	26+93.3	-20.6	76.5	75.2	70.6	66.5	61.0	59.0	58.0	57.9	56.4	53.1	51.8
117	26+93.3	-20.6	76.5	74.9	71.5	67.6	62.0	60.4	59.4	58.0	56.9	54.7	53.5
118	26+93.3	-20.6	76.5	75.5	73.5	70.6	66.0	65.0	63.0	61.7	61.0	59.0	56.6
119	26+95.3	-20.6	76.5	75.1	72.6	69.8	65.7	64.3	62.7	61.8	60.5	58.4	56.1
120	26+95.3	-20.6	76.5	75.8	74.6	74.2	66.1	62.9	60.7	58.9	58.3	55.1	54.1
121	26+95.3	-20.6	76.5	77.0	75.1	74.2	72.3	71.9	72.3	71.1	70.6	70.4	69.0
122	26+95.3	-20.6	76.5	75.8	72.3	68.3	64.3	63.6	61.3	59.8	58.8	57.0	55.1
123	27+08.1	-24.25	76.5	75.0	73.0	70.0	67.3	65.7	64.3	63.9	61.4	59.2	57.7
123A	27+08.1	-24.25	76.5	74.9	72.7	70.8	66.3	65.5	63.7	62.8	61.7	59.4	57.6
124	27+18.1	-24.25	76.5	75.1	73.2	71.8	68.0	66.6	64.6	64.0	63.8	60.3	58.6
125	27+28.1	-24.25	76.5	76.0	74.9	72.8	69.3	67.7	66.4	65.6	64.5	60.8	59.5
126	27+38.1	-24.25	76.5	76.2	74.6	72.7	69.9	68.6	67.6	66.5	64.9	62.4	60.1
127	27+48.1	-24.25	76.5	76.9	74.8	73.3	70.7	69.5	68.7	66.7	65.6	63.5	60.6
128	27+58.1	-24.25	76.5	76.7	75.2	73.2	71.5	70.7	69.2	66.8	66.0	63.8	61.6
129	27+68.1	-24.25	76.5	75.9	74.7	73.4	71.8	70.0	68.9	67.3	66.0	64.7	61.7
130	27+78.1	-24.25	76.5	76.7	75.1	74.0	71.9	70.0	68.2	67.1	66.0	62.8	60.6
131	27+88.1	-24.25	76.5	75.9	75.0	73.8	71.7	69.8	68.8	67.7	66.7	63.9	61.9
131A	27+88.1	-24.25	76.5	76.4	76.0	74.3	71.7	70.1	68.4	67.9	65.7	63.5	61.4

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=240 LC=59.0	T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T L
72.1	70.6	67.6	65.3	63.7	60.7	57.9	52.5	48.0	43.8	40.2	36.7	33.4	30.4	27.2	2
63.5	62.4	60.8	59.7	58.7	56.5	54.5	50.5	46.6	43.2	39.5	36.6	33.5	30.4	27.7	2
64.1	62.6	61.1	60.1	58.9	57.0	54.7	50.7	47.0	43.3	39.7	36.8	33.4	30.4	27.7	2
74.8	71.4	67.2	65.8	64.2	61.5	59.4	54.5	50.2	45.7	42.3	38.9	35.4	32.4	28.9	2
64.0	63.0	61.0	60.0	59.0	57.0	54.9	50.9	46.5	43.4	40.3	36.6	33.7	30.7	27.6	2
68.1	66.4	64.5	63.3	61.9	59.5	57.3	53.1	49.5	45.8	42.2	38.8	35.7	33.1	30.1	2
64.2	62.7	61.4	60.3	58.9	57.2	55.1	51.0	47.2	43.6	39.7	36.7	33.5	30.3	27.8	2
75.3	75.3	75.1	74.4	72.3	65.2	62.4	56.7	52.0	48.1	44.1	40.3	36.2	33.5	30.1	2
65.5	64.1	62.7	61.6	60.6	58.4	55.9	52.4	48.1	44.6	41.0	37.7	34.0	31.4	28.1	2
63.7	61.9	61.2	59.2	58.8	57.0	54.6	50.3	46.3	43.2	39.6	36.4	33.4	30.4	27.7	2
64.1	62.7	61.0	59.6	59.0	56.8	54.7	50.7	46.7	43.4	40.1	36.6	33.5	30.4	27.7	2
74.5	74.1	74.1	73.4	73.2	72.0	65.1	58.9	54.3	49.3	45.1	41.1	37.3	33.9	30.6	2
66.3	64.7	64.0	62.4	61.1	59.2	56.0	52.5	48.5	44.5	40.8	37.5	34.2	31.2	28.3	2
61.0	59.0	58.0	57.9	56.4	53.1	51.8	48.5	46.3	42.1	38.2	35.7	31.9	29.3	27.0	2
62.0	60.4	59.4	58.0	56.9	54.7	53.5	49.3	46.1	42.4	38.9	35.5	33.0	29.9	27.3	2
66.0	65.0	63.0	61.7	61.0	59.0	56.6	52.4	48.7	44.7	41.2	37.9	34.6	31.6	28.6	2
65.7	64.3	62.7	61.8	60.5	58.4	56.1	52.6	49.0	46.5	43.8	38.5	35.1	31.9	28.6	2
66.1	62.9	60.7	58.9	58.3	55.1	54.1	49.9	46.6	42.7	39.2	36.8	33.0	30.4	27.7	2
72.3	71.9	72.3	71.1	70.6	70.4	69.0	62.2	59.2	55.9	45.6	41.7	38.1	34.6	32.1	2
64.3	63.6	61.3	59.8	58.8	57.0	55.1	50.8	46.7	43.3	39.1	36.4	32.5	29.4	26.7	2
67.3	65.7	64.3	63.9	61.4	59.2	57.7	53.5	49.6	46.1	41.8	38.0	34.5	31.4	28.7	2
66.3	65.5	63.7	62.8	61.7	59.4	57.6	53.1	48.8	44.5	41.1	37.7	35.0	32.0	28.5	2
68.0	66.6	64.6	64.0	63.8	60.3	58.6	54.0	50.0	46.3	42.3	39.3	35.4	32.7	28.7	2
69.3	67.7	66.4	65.6	64.5	60.8	59.5	55.4	51.3	47.0	43.0	40.2	36.5	33.1	30.2	2
69.9	68.6	67.6	66.5	64.9	62.4	60.1	55.9	51.2	47.1	43.9	39.5	36.6	32.5	30.1	2
70.7	69.5	68.7	66.7	65.6	63.5	60.6	56.1	52.1	47.5	43.4	39.9	36.5	32.8	30.5	2
71.5	70.7	69.2	66.8	66.0	63.8	61.6	56.2	52.0	48.3	43.7	40.7	36.3	32.9	30.1	2
71.8	70.0	68.9	67.3	66.0	64.7	61.7	56.9	52.5	48.8	44.5	40.9	37.1	33.9	30.7	2
71.9	70.0	68.2	67.1	66.0	62.8	60.6	55.5	50.4	45.5	41.0	36.7	32.8	29.8	25.7	2
71.7	69.8	68.8	67.7	66.7	63.9	61.8	56.7	52.4	48.0	44.2	41.1	36.9	34.1	30.5	2
71.7	70.1	68.4	67.9	65.7	63.5	61.4	56.9	52.1	48.5	43.9	39.9	36.6	33.3	29.7	2

ometer Readings, Prototype Feet of Water

300 =54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T=780 LC=25.4	T=840 LC=22.7	T=900 LC=20.4	T=1020 LC=16.4	T=1260 LC=10.4	T=1500 LC=8.0	T=1740 LC=7.0
0	43.8	40.2	36.7	33.4	30.4	27.2	24.7	22.2	20.1	18.0	14.7	10.1	7.6	7.0
6	43.2	39.5	36.6	33.5	30.4	27.7	25.2	22.9	20.6	18.6	15.1	10.3	7.5	7.0
0	43.3	39.7	36.8	33.4	30.4	27.7	25.1	22.6	20.5	18.7	15.1	9.8	7.5	7.0
2	45.7	42.3	38.9	35.4	32.4	28.9	26.8	23.9	21.7	19.5	15.6	10.4	7.9	7.0
5	43.4	40.3	36.6	33.7	30.7	27.6	25.2	22.7	20.5	18.6	15.3	10.0	7.5	7.0
5	45.8	42.2	38.8	35.7	33.1	30.1	27.6	25.5	23.3	20.9	17.2	11.6	8.2	7.0
2	43.6	39.7	36.7	33.5	30.3	27.8	25.3	22.8	20.7	18.4	15.0	9.9	7.3	7.0
0	48.1	44.1	40.3	36.2	33.5	30.1	27.5	24.7	21.9	19.8	15.7	10.4	7.5	7.0
1	44.6	41.0	37.7	34.0	31.4	28.1	25.8	23.4	21.0	19.0	15.3	10.1	7.5	7.0
3	43.2	39.6	36.4	33.4	30.4	27.7	25.3	22.9	20.4	18.7	15.0	10.0	7.3	7.0
7	43.4	40.1	36.6	33.5	30.4	27.7	25.2	22.7	20.5	18.8	15.1	10.0	7.3	7.0
3	49.3	45.1	41.1	37.3	33.9	30.6	27.9	24.8	22.3	20.0	16.0	10.6	7.7	7.0
5	44.5	40.8	37.5	34.2	31.2	28.3	25.5	23.1	20.7	18.8	15.2	10.0	7.5	7.0
3	42.1	38.2	35.7	31.9	29.3	27.0	24.4	21.9	19.8	17.9	15.1	9.7	7.6	7.0
1	42.4	38.9	35.5	33.0	29.9	27.3	24.6	22.2	20.3	18.0	14.7	10.1	7.5	7.0
7	44.7	41.2	37.9	34.6	31.6	28.6	26.0	23.6	21.3	19.1	15.3	10.6	7.6	7.0
0	46.5	43.8	38.5	35.1	31.9	28.6	26.0	23.6	20.9	18.9	15.3	10.0	7.6	7.0
6	42.7	39.2	36.8	33.0	30.4	27.7	25.5	22.7	20.9	19.0	15.5	10.4	7.9	7.0
2	55.9	45.6	41.7	38.1	34.6	32.1	29.0	25.5	22.7	20.4	16.9	10.8	8.1	7.0
7	43.3	39.1	36.4	32.5	29.4	26.7	25.1	21.9	19.5	17.6	14.4	9.0	7.2	7.0
6	46.1	41.8	38.0	34.5	31.4	28.7	25.8	23.8	20.9	18.7	15.2	9.7	7.2	7.0
8	44.5	41.1	37.7	35.0	32.0	28.5	25.8	23.5	20.9	19.6	15.3	10.2	7.5	7.0
0	46.3	42.3	39.3	35.4	32.7	28.7	26.3	23.7	22.0	19.3	16.3	10.2	8.7	7.0
3	47.0	43.0	40.2	36.5	33.1	30.2	27.0	24.0	22.4	20.6	15.6	10.8	7.6	7.0
2	47.1	43.9	39.5	36.6	32.5	30.1	26.8	24.7	22.0	19.4	15.6	10.7	7.3	7.0
1	47.5	43.4	39.9	36.5	32.8	30.5	27.7	24.5	21.9	19.9	16.2	10.2	7.6	7.0
0	48.3	43.7	40.7	36.3	32.9	30.1	27.7	24.3	22.0	19.7	16.4	10.2	8.1	7.0
5	48.8	44.5	40.9	37.1	33.9	30.7	27.7	25.3	22.2	19.8	15.6	9.9	7.1	7.0
4	45.5	41.0	36.7	32.8	29.8	25.7	22.5	19.9	17.5	16.3	12.9	9.2	7.8	7.0
4	46.0	44.2	41.1	36.9	34.1	30.5	27.3	24.6	22.2	19.9	16.5	10.4	8.6	7.0
1	48.5	43.9	39.9	36.6	33.3	29.7	27.4	24.3	22.2	20.4	15.4	10.1	7.2	7.0

Table A18 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=75.9	T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8
132	26+14.0	-24.25	76.5	68.7	63.1	52.5	44.8	40.0	41.0	38.1	38.3	37.3	35.6
133	26+22.5	-24.25	76.5	68.0	59.5	41.9	29.7	25.7	25.4	23.9	23.9	24.0	21.3
134	26+70.0	-17.0	76.5	66.9	60.3	45.7	35.3	32.4	31.8	31.6	29.8	30.2	27.7
134A	26+70.0	-17.0	76.5	74.7	72.8	71.0	69.0	68.6	67.2	66.5	65.7	62.9	60.6
135	27+85.0	-17.0	76.5	64.4	58.5	42.6	31.8	29.9	28.3	28.2	27.5	27.4	26.2
135A	27+85.0	-17.0	76.5	74.0	72.3	69.9	65.5	65.7	63.1	62.6	61.0	58.9	57.2
136	28+60.0	-18.0	76.5	60.4	54.8	38.2	27.1	26.0	25.4	24.5	24.1	23.2	23.1
136A	28+60.0	-18.0	76.5	74.5	72.7	69.6	65.3	65.5	63.3	63.2	60.9	58.2	56.4
137	28+72.0	-18.0	76.5	60.8	55.6	37.2	26.3	24.9	24.2	23.9	23.4	22.4	21.0
137A	28+72.0	-18.0	76.5	74.3	72.2	69.3	65.2	65.3	63.0	62.8	61.2	58.5	56.2
138	29+21.3	-18.0	7.0	2.9	-9.6	-4.7	23.4	24.9	23.5	22.9	22.4	22.7	21.2
138A	29+21.3	-18.0	7.0	7.3	7.4	7.5	7.8	7.5	7.1	7.6	8.5	7.1	7.3
139	29+28.3	-18.9	7.0	3.5	-8.2	-0.1	24.6	23.4	22.3	22.0	21.3	21.4	20.8
140	29+37.3	-20.0	7.0	-2.5	-5.1	5.6	19.5	18.1	17.1	17.3	17.0	16.7	16.2
141	29+70.0	-20.0	7.0	10.3	4.1	14.7	19.3	18.7	17.9	18.0	17.7	17.3	16.7
141A	29+70.0	-20.0	7.0	7.4	7.7	7.9	8.6	7.3	7.1	7.0	6.6	6.9	3.5
142	30+10.0	-20.0	7.0	7.4	7.6	7.6	7.3	6.7	6.7	6.3	6.4	6.5	6.6
143	30+57.9	-27.0	7.0	7.4	7.7	8.2	7.6	7.3	6.9	6.8	7.6	7.0	7.0
144	30+66.4	-27.0	7.0	7.4	8.1	7.8	7.8	7.0	7.0	6.7	6.5	6.8	7.4
145	30+14.4	-27.0	7.0	8.5	7.3	2.9	0.0	-3.6	-4.2	-5.0	-4.9	-3.0	-3.0
146	30+22.9	-27.0	7.0	10.2	19.8	24.4	28.6	28.1	27.5	26.7	26.8	26.1	25.2
147	30+23.9	-34.0	7.0	8.5	11.6	13.8	15.4	14.9	14.9	14.1	15.1	13.8	13.8
148	30+23.9	-34.0	7.0	8.0	10.9	13.9	14.9	15.0	13.3	14.5	13.7	14.1	13.9
149	30+23.9	-34.0	7.0	8.7	11.8	16.0	17.8	17.2	16.6	17.0	16.4	15.8	15.8
150	30+23.9	-34.0	7.0	9.0	14.1	19.2	22.1	23.3	21.8	21.4	21.8	20.5	20.4
151	30+23.9	-34.0	7.0	8.3	14.6	20.0	21.9	22.5	20.8	21.0	20.5	19.7	21.2
152	30+67.4	-34.0	7.0	12.5	12.4	12.5	12.2	12.1	11.5	11.4	11.3	11.2	11.4
153	30+67.4	-34.0	7.0	7.5	8.1	7.5	7.3	7.0	7.5	6.5	7.2	6.6	6.5
154	30+67.4	-34.0	7.0	7.6	7.3	8.4	7.2	7.1	6.5	6.4	6.5	6.9	6.8
155	30+67.4	-34.0	7.0	6.5	6.8	6.9	6.6	7.3	6.6	6.6	6.4	6.5	6.3
156	30+67.4	-34.0	7.0	7.7	8.0	8.1	7.7	7.4	7.4	6.8	7.1	6.6	7.1

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=240 LC=59.0	T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T= LC
44.8	40.0	41.0	38.1	38.3	37.3	35.6	33.9	30.7	29.0	26.8	26.1	23.9	21.3	19.1	17
29.7	25.7	25.4	23.9	23.9	24.0	21.3	20.9	20.7	19.1	19.1	16.8	17.2	14.7	14.7	13
35.3	32.4	31.8	31.6	29.8	30.2	27.7	25.7	25.2	23.5	22.3	20.7	19.7	17.6	17.3	15
69.0	68.6	67.2	66.5	65.7	62.9	60.6	57.5	55.8	48.6	45.8	44.4	39.2	36.6	32.0	25
31.8	29.9	28.3	28.2	27.5	27.4	26.2	24.7	23.1	21.3	19.9	18.8	17.6	16.5	15.5	14
65.5	65.7	63.1	62.6	61.0	58.9	57.2	52.9	48.7	45.1	41.0	37.8	34.6	31.5	28.5	25
27.1	26.0	25.4	24.5	24.1	23.2	23.1	20.7	20.0	18.8	18.2	17.4	16.3	15.3	14.0	13
65.3	65.5	63.3	63.2	60.9	58.2	56.4	52.7	48.4	44.8	40.8	37.6	34.7	31.1	28.3	26
26.3	24.9	24.2	23.9	23.4	22.4	21.0	21.1	19.9	18.1	18.2	16.3	15.2	14.7	14.0	13
65.2	65.3	63.0	62.8	61.2	58.5	56.2	52.2	48.1	44.6	40.9	38.1	34.5	31.3	28.8	25
23.4	24.9	23.5	22.9	22.4	22.7	21.2	20.5	20.4	17.3	16.7	17.5	15.6	14.5	13.4	13
7.8	7.5	7.1	7.6	8.5	7.1	7.3	7.3	7.3	6.9	7.1	7.0	7.1	7.2	7.0	7.3
24.6	23.4	22.3	22.0	21.3	21.4	20.8	19.9	19.4	17.3	16.4	15.9	15.7	14.3	13.2	13
19.5	18.1	17.1	17.3	17.0	16.7	16.2	15.8	15.2	14.4	13.6	13.1	12.5	12.1	11.6	11
19.3	18.7	17.9	18.0	17.7	17.3	16.7	16.8	15.4	16.3	13.9	13.3	13.1	12.2	11.4	11
8.6	7.3	7.1	7.0	6.6	6.9	3.5	7.1	7.7	6.9	7.3	6.6	7.1	7.2	7.0	6.9
7.3	6.7	6.7	6.3	6.4	6.5	6.6	6.4	6.6	6.7	6.7	6.8	6.8	6.6	7.6	6.7
7.6	7.3	6.9	6.8	7.6	7.0	7.0	7.4	7.4	7.1	7.5	7.1	7.1	7.1	7.4	7.1
7.8	7.0	7.0	6.7	6.5	6.8	7.4	6.8	6.8	6.8	7.3	6.8	6.7	6.9	7.0	6.8
0.0	-3.6	-4.2	-5.0	-4.9	-3.0	-3.0	-2.5	-1.2	0.2	1.0	1.3	2.2	2.6	2.7	4.2
28.6	28.1	27.5	26.7	26.8	26.1	25.2	23.9	22.2	21.2	20.0	20.4	18.6	16.4	15.4	14
15.4	14.9	14.9	14.1	15.1	13.8	13.8	13.5	12.6	12.5	11.7	11.6	11.8	10.8	10.5	10
14.9	15.0	13.3	14.5	13.7	14.1	13.9	13.0	12.6	11.8	11.9	11.4	11.1	10.9	10.9	10
17.8	17.2	16.6	17.0	16.4	15.8	15.8	15.2	14.6	14.3	13.1	12.8	12.2	11.6	11.1	10
22.1	23.3	21.8	21.4	21.8	20.5	20.4	19.4	18.1	17.8	16.4	15.5	14.7	13.7	14.2	12
21.9	22.5	20.8	21.0	20.5	19.7	21.2	18.4	18.4	16.4	16.4	15.6	13.6	13.7	12.7	12
12.2	12.1	11.5	11.4	11.3	11.2	11.4	11.1	10.9	10.8	10.5	10.4	10.2	10.0	10.3	9.6
7.3	7.0	7.5	6.5	7.2	6.6	6.5	7.2	6.5	6.4	7.0	6.4	6.3	6.3	6.1	6.4
7.2	7.1	6.5	6.4	6.5	6.9	6.8	6.7	6.6	6.6	6.9	6.6	6.7	6.5	6.8	6.8
6.6	7.3	6.6	6.6	6.4	6.5	6.3	6.3	6.4	6.2	6.4	6.9	6.5	6.5	6.4	6.5
7.7	7.4	7.4	6.8	7.1	6.6	7.1	7.0	7.1	6.9	6.9	7.0	7.4	7.5	7.0	6.9

zometer Readings, Prototype Feet of Water

=300 C=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T=780 LC=25.4	T=840 LC=22.7	T=900 LC=20.4	T=1020 LC=16.4	T=1260 LC=10.4	T=1500 LC=8.0	T=1740 LC=7.0
0.7	29.0	26.8	26.1	23.9	21.3	19.1	17.2	16.1	15.8	14.4	11.9	8.8	7.5	7.0
0.7	19.1	19.1	16.8	17.2	14.7	14.7	13.4	12.9	12.3	10.8	9.8	8.0	6.9	7.0
5.2	23.5	22.3	20.7	19.7	17.6	17.3	15.5	13.8	13.6	12.6	11.1	8.7	7.4	7.0
5.8	48.6	45.8	44.4	39.2	36.6	32.0	25.8	23.5	20.6	18.6	15.2	9.8	7.1	7.0
3.1	21.3	19.9	18.8	17.6	16.5	15.5	14.2	13.6	12.3	11.6	10.1	7.7	6.8	7.0
8.7	45.1	41.0	37.8	34.6	31.5	28.5	25.9	23.2	21.1	19.3	15.3	10.3	7.9	7.0
0.0	18.8	18.2	17.4	16.3	15.3	14.0	13.2	12.5	11.8	11.0	9.8	8.1	7.7	7.0
8.4	44.8	40.8	37.6	34.7	31.1	28.3	26.1	23.2	21.0	19.2	15.2	10.2	7.3	7.0
9.9	18.1	18.2	16.3	15.2	14.7	14.0	13.2	12.2	11.8	11.1	9.9	8.8	7.4	7.0
8.1	44.6	40.9	38.1	34.5	31.3	28.8	25.7	23.1	20.8	18.8	16.0	9.8	7.5	7.0
0.4	17.3	16.7	17.5	15.6	14.5	13.4	13.0	12.2	12.0	10.7	9.7	8.0	7.6	7.0
.3	6.9	7.1	7.0	7.1	7.2	7.0	7.3	7.0	7.1	7.3	7.3	7.3	7.4	7.0
9.4	17.3	16.4	15.9	15.7	14.3	13.2	13.2	12.7	11.8	11.0	9.9	8.2	7.3	7.0
5.2	14.4	13.6	13.1	12.5	12.1	11.6	11.4	10.9	10.8	10.0	9.0	8.0	7.4	7.0
5.4	16.3	13.9	13.3	13.1	12.2	11.4	11.4	10.5	10.7	10.2	10.8	7.7	7.1	7.0
.7	6.9	7.3	6.6	7.1	7.2	7.0	6.9	6.9	7.0	7.1	7.1	7.0	6.9	7.0
.6	6.7	6.7	6.8	6.8	6.6	7.6	6.7	6.5	6.8	6.9	7.1	6.9	6.9	7.0
.4	7.1	7.5	7.1	7.1	7.1	7.4	7.1	8.1	7.2	7.3	9.1	7.8	7.6	7.0
.8	6.8	7.3	6.8	6.7	6.9	7.0	6.8	6.9	7.0	7.2	7.0	6.9	7.4	7.0
1.2	0.2	1.0	1.3	2.2	2.6	2.7	4.2	4.7	5.3	5.8	6.1	6.6	7.6	7.0
2.2	21.2	20.0	20.4	18.6	16.4	15.4	14.5	13.8	11.5	12.1	10.7	8.7	7.5	7.0
2.6	12.5	11.7	11.6	11.8	10.8	10.5	10.0	12.0	9.3	9.7	8.8	7.7	7.1	7.0
2.6	11.8	11.9	11.4	11.1	10.9	10.9	10.0	9.6	9.3	8.9	8.3	7.6	6.7	7.0
4.6	14.3	13.1	12.8	12.2	11.6	11.1	10.5	10.3	9.7	9.7	8.7	7.9	8.1	7.0
8.1	17.8	16.4	15.5	14.7	13.7	14.2	12.6	11.7	12.9	11.1	12.4	8.1	7.2	7.0
8.4	16.4	16.4	15.6	13.6	13.7	12.7	12.1	11.5	11.0	10.4	9.6	8.3	7.5	7.0
0.9	10.8	10.5	10.4	10.2	10.0	10.3	9.6	9.3	9.8	9.2	9.0	8.1	7.5	7.0
.5	6.4	7.0	6.4	6.3	6.3	6.1	6.4	6.7	6.1	6.2	6.4	6.5	5.7	7.0
.6	6.6	6.9	6.6	6.7	6.5	6.8	6.8	6.6	6.9	6.8	6.8	6.7	6.9	7.0
.4	6.2	6.4	6.9	6.5	6.5	6.4	6.5	6.5	7.0	6.7	6.7	6.8	6.8	7.0
.1	6.9	6.9	7.0	7.4	7.5	7.0	6.9	7.2	7.1	7.7	7.2	7.2	7.2	7.0

Table A18 (Concluded)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=75.9	T=45 LC=75.8	T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.
157	30+16.8	-29.5	7.0	7.7	7.5	5.6	0.2	-9.0	-9.8	-9.9	-8.6	-9.3	-8.9
158	30+31.0	-29.5	7.0	7.4	-1.0	-6.2	-8.7	-8.1	-7.2	-5.5	-7.3	-4.4	-6.1
159	30+60.3	-29.5	7.0	7.3	7.9	7.8	7.6	7.2	6.9	6.8	6.9	7.1	7.0
160	30+74.5	-29.5	7.0	7.3	7.8	7.7	7.5	7.3	7.0	6.7	6.5	6.8	7.0
161	22+57.6	-24.0	76.5	73.0	68.1	58.8	50.1	48.0	45.7	46.9	45.4	44.1	42.1
162	22+57.6	-26.4	76.5	72.1	67.4	58.9	50.5	48.3	47.0	47.3	45.8	44.5	42.9
163	22+60.6	-24.0	76.5	75.8	73.8	60.6	51.1	49.4	47.6	48.2	46.4	45.4	43.3
164	22+60.6	-26.4	76.5	75.7	73.6	62.3	52.9	51.6	49.6	50.3	48.6	47.8	45.5
165	29+25.8	-32.3	7.0	-5.9	-21.4	-10.7	13.3	13.3	13.2	12.8	12.7	12.0	12.5
166	29+28.8	-33.0	7.0	1.9	-1.2	5.8	21.8	21.4	20.7	21.0	20.5	19.3	19.5
167	29+31.8	-33.7	7.0	6.0	6.5	12.8	26.0	24.8	24.2	24.3	23.6	22.2	22.4

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=73.9	T=75 LC=72.7	T=90 LC=71.3	T=105 LC=69.9	T=120 LC=68.7	T=150 LC=66.1	T=180 LC=63.8	T=240 LC=59.0	T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4
0.2	-9.0	-9.8	-9.9	-8.6	-9.3	-8.9	-5.7	-4.0	-4.4	-3.0	-1.3	-0.1	0.2	1.7
-8.7	-8.1	-7.2	-5.5	-7.3	-4.4	-6.1	-3.4	-2.8	-1.0	0.7	1.0	2.2	3.0	3.8
7.6	7.2	6.9	6.8	6.9	7.1	7.0	6.9	7.1	6.9	7.0	7.2	6.9	6.9	7.0
7.5	7.3	7.0	6.7	6.5	6.8	7.0	7.0	7.1	7.0	6.7	6.9	6.9	6.8	6.9
50.1	48.0	45.7	46.9	45.4	44.1	42.1	40.3	35.8	33.6	31.4	28.5	27.2	23.9	22.7
50.5	48.3	47.0	47.3	45.8	44.5	42.9	40.5	36.4	33.9	31.5	29.0	27.0	24.2	22.7
51.1	49.4	47.6	48.2	46.4	45.4	43.3	41.0	36.4	34.0	31.9	28.9	27.0	24.5	22.7
52.9	51.6	49.6	50.3	48.6	47.8	45.5	43.3	39.3	36.2	34.4	31.5	29.4	26.3	24.8
13.3	13.3	13.2	12.8	12.7	12.0	12.5	11.9	11.6	10.9	11.0	10.4	10.4	10.0	10.4
21.8	21.4	20.7	21.0	20.5	19.3	19.5	18.6	17.7	16.6	15.4	14.9	14.2	13.4	13.0
26.0	24.8	24.2	24.3	23.6	22.2	22.4	21.4	20.0	18.7	17.6	16.6	16.1	14.9	14.5

iezometer Readings, Prototype Feet of Water

T=300 LC=54.5	T=360 LC=50.0	T=420 LC=45.7	T=480 LC=41.6	T=540 LC=38.1	T=600 LC=34.7	T=660 LC=31.4	T=720 LC=28.2	T=780 LC=25.4	T=840 LC=22.7	T=900 LC=20.4	T=1020 LC=16.4	T=1260 LC=10.4	T=1500 LC=8.0	T=1740 LC=7.0
-4.0	-4.4	-3.0	-1.3	-0.1	0.2	1.7	2.1	3.3	3.6	4.5	5.3	6.7	7.0	7.0
-2.8	-1.0	0.7	1.0	2.2	3.0	3.8	4.6	5.1	5.6	5.8	6.2	6.7	7.0	7.0
7.1	6.9	7.0	7.2	6.9	6.9	7.0	6.9	6.8	7.0	6.8	7.2	7.0	6.8	7.0
7.1	7.0	6.7	6.9	6.9	6.8	6.9	7.0	6.9	7.2	7.1	7.1	7.2	7.1	7.0
35.8	33.6	31.4	28.5	27.2	23.9	22.7	20.6	19.0	17.4	16.1	12.8	8.8	7.5	7.0
36.4	33.9	31.5	29.0	27.0	24.2	22.7	20.4	18.8	17.2	15.9	13.3	8.9	7.5	7.0
36.4	34.0	31.9	28.9	27.0	24.5	22.7	21.1	19.2	17.5	16.2	13.4	9.3	8.1	7.0
39.3	36.2	34.4	31.5	29.4	26.3	24.8	22.7	20.7	18.0	17.5	14.2	9.5	8.4	7.0
11.6	10.9	11.0	10.4	10.4	10.0	10.4	9.4	9.4	9.1	8.6	8.1	7.5	7.1	7.0
17.7	16.6	15.4	14.9	14.2	13.4	13.0	11.9	11.5	10.8	10.3	9.3	8.0	7.3	7.0
20.0	18.7	17.6	16.6	16.1	14.9	14.5	12.7	12.4	11.9	10.9	9.5	8.1	7.1	7.0

Table A19
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Upper P

Piezometer Location														
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.1	T=45 LC=75.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T= LC
15	22+52.1	-17.0	76.5	76.1	75.3	74.3	71.1	66.8	62.0	58.5	52.9	48.9	46.8	45
15A	22+52.1	-17.0	76.5	76.2	75.5	75.3	73.8	73.0	72.1	70.9	69.9	68.7	68.1	67
16	21+53.5	-17.0	76.5	75.2	74.8	72.5	68.3	64.8	59.5	55.6	51.2	47.8	44.5	41
17	22+59.1	-16.9	76.5	75.3	74.4	72.9	70.3	68.7	66.6	62.2	55.8	52.8	54.0	47
18	22+62.6	-16.8	76.5	74.7	74.7	72.5	67.7	65.0	59.3	55.7	50.5	47.1	44.0	41
19	22+69.1	-16.6	76.5	74.6	73.9	71.4	67.4	64.2	59.5	54.9	51.4	47.4	44.7	40
20	22+76.6	-16.5	76.5	75.5	74.7	74.4	73.1	70.5	65.8	61.9	56.2	51.1	48.5	4-
21	22+90.6	-16.5	76.5	74.5	74.6	72.1	67.8	64.9	60.3	55.6	51.9	46.7	44.3	4
21A	22+90.6	-16.5	76.5	76.0	75.4	74.9	73.0	71.9	69.5	67.4	65.2	62.1	60.7	5
22	23+50.0	-16.5	76.5	74.8	74.3	71.8	68.1	64.7	60.8	55.9	51.7	46.6	45.2	41
23	24+50.0	-16.5	76.5	75.8	75.0	73.9	70.9	67.6	63.0	57.6	55.1	49.5	47.6	42
24	25+50.0	-16.5	76.5	74.0	73.7	71.0	67.3	64.2	59.1	54.4	50.6	47.2	44.5	40
24A	25+50.0	-16.5	76.5	75.9	76.0	74.8	72.6	71.5	69.0	67.8	65.5	61.6	59.5	5
25	26+04.3	-24.25	76.5	75.1	74.2	71.4	67.3	63.2	58.3	53.0	49.6	43.5	42.4	39
26	25+95.9	-24.25	76.5	74.2	74.3	71.4	66.8	62.6	55.9	50.0	47.4	43.4	39.4	3
27	26+09.2	-17.0	76.5	74.7	74.0	70.9	66.0	61.2	55.1	49.2	43.7	38.8	36.8	3
27A	26+09.2	-17.0	76.5	76.0	75.7	74.8	72.9	71.3	69.6	67.8	65.7	61.8	59.8	5
28	26+01.3	-20.1	76.5	74.5	71.8	67.0	59.4	51.0	41.5	32.6	27.5	23.4	23.5	2
29	26+12.4	-20.1	76.5	75.7	75.6	74.6	71.6	63.3	55.8	49.8	46.7	42.8	41.7	3
30	25+96.0	-20.1	76.5	74.2	70.3	63.9	53.7	41.2	29.1	17.5	12.8	11.8	12.7	1
31	26+04.5	-20.1	76.5	75.3	73.6	71.0	66.2	61.2	55.2	49.7	46.6	42.7	42.9	3
32	25+88.1	-20.1	76.5	75.8	74.9	74.6	73.7	56.6	45.6	35.1	29.2	24.3	25.5	2
33	25+92.6	-20.1	76.5	76.1	75.6	75.3	75.0	69.6	58.9	50.5	47.3	44.6	44.6	4
34	26+01.3	-28.4	76.5	75.5	75.2	74.1	72.0	70.4	67.7	66.2	63.3	61.3	58.1	5
35	26+12.4	-28.4	76.5	75.9	75.2	74.6	72.7	71.3	68.5	67.1	64.3	62.3	59.1	5
36	25+96.0	-28.4	76.5	76.3	75.8	75.3	74.6	73.9	73.0	72.4	71.6	70.7	69.4	5
37	26+04.1	-28.4	76.5	75.9	75.7	74.8	73.7	72.2	70.5	69.4	68.0	66.2	58.9	5
38	25+88.1	-28.4	76.5	76.1	76.1	75.8	75.2	74.7	74.3	74.0	73.6	73.1	69.5	6
39	25+92.6	-28.4	76.5	75.8	74.9	74.0	72.1	70.2	67.6	66.2	63.3	61.2	59.2	5
40	25+75.0	-24.1	76.5	76.1	75.4	75.3	74.2	72.2	68.0	64.5	61.2	56.6	55.3	5

During Emptying Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T=240 LC=61.1	T=300 LC=56.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=72 LC=
71.1	66.8	62.0	58.5	52.9	48.9	46.8	43.2	40.5	37.5	35.4	31.3	29.8	26.5	24.4	22.5
73.8	73.0	72.1	70.9	69.9	68.7	68.1	67.0	60.2	52.2	43.8	38.5	35.1	33.4	30.8	30.8
68.3	64.8	59.5	55.6	51.2	47.8	44.5	41.1	38.6	36.9	33.2	31.4	27.9	25.6	23.5	22.2
70.3	68.7	66.6	62.2	55.8	52.8	54.0	47.2	42.0	37.6	34.3	31.5	29.8	27.1	24.6	23.0
67.7	65.0	59.3	55.7	50.5	47.1	44.0	41.2	38.9	36.2	33.1	29.7	28.1	24.9	23.6	21.5
67.4	64.2	59.5	54.9	51.4	47.4	44.7	40.9	39.0	36.4	33.2	30.8	28.0	25.8	23.8	21.8
73.1	70.5	65.8	61.9	56.2	51.1	48.5	44.5	41.1	38.5	35.7	31.9	29.3	26.8	25.0	23.3
67.8	64.9	60.3	55.6	51.9	46.7	44.3	41.8	38.7	36.2	33.3	30.8	27.8	25.8	24.2	22.5
73.0	71.9	69.5	67.4	65.2	62.1	60.7	55.8	52.0	47.2	44.5	40.0	37.0	33.5	30.5	27.4
68.1	64.7	60.8	55.9	51.7	46.6	45.2	41.1	38.4	36.1	32.7	29.8	27.3	25.5	23.4	22.1
70.9	67.6	63.0	57.6	55.1	49.5	47.6	42.5	39.7	37.6	34.4	32.4	28.7	26.2	24.4	22.4
67.3	64.2	59.1	54.4	50.6	47.2	44.5	40.6	38.9	35.1	32.6	30.7	27 5	25.0	23.3	21.2
72.6	71.5	69.0	67.8	65.5	61.6	59.5	54.9	50.6	46.6	42.6	38.7	35.4	31.9	29.5	26.4
67.3	63.2	58.3	53.0	49.6	43.5	42.4	39.5	37.5	34.9	30.0	29.6	28.9	24.3	22.4	20.0
66.8	62.6	55.9	50.0	47.4	43.4	39.4	37.5	35.7	32.8	28.9	29.4	26.0	24.3	22.5	20.4
66.0	61.2	55.1	49.2	43.7	38.8	36.8	34.3	31.2	29.6	27.7	25.6	24.0	21.9	20.4	18.9
72.9	71.3	69.6	67.8	65.7	61.8	59.8	55.2	51.1	47.2	43.2	39.9	36.4	33.1	30.5	28.1
59.4	51.0	41.5	32.6	27.5	23.4	23.5	22.7	22.2	19.9	19.8	18.7	18.0	16.6	15.6	15.2
71.6	63.3	55.8	49.8	46.7	42.8	41.7	39.4	36.8	33.6	31.2	29.0	27.2	24.7	22.4	21.0
53.7	41.2	29.1	17.5	12.8	11.8	12.7	11.3	10.5	10.1	9.7	9.8	9.4	9.2	8.8	8.6
66.2	61.2	55.2	49.7	46.6	42.7	42.9	38.8	36.9	33.7	31.1	29.0	26.7	24.5	22.4	20.7
73.7	56.6	45.6	35.1	29.2	24.3	25.5	22.0	21.0	20.4	19.5	18.9	18.1	16.4	15.1	14.8
75.0	69.6	58.9	50.5	47.3	44.6	44.6	40.7	36.8	34.5	32.6	29.0	28.1	24.6	22.7	21.5
72.0	70.4	67.7	66.2	63.3	61.3	58.1	55.2	50.7	45.9	42.8	39.4	36.1	33.3	30.0	27.2
72.7	71.3	68.5	67.1	64.3	62.3	59.1	55.8	51.4	46.9	43.0	39.9	36.5	33.6	30.4	27.7
74.6	73.9	73.0	72.4	71.6	70.7	69.4	59.7	54.4	49.6	45.7	42.4	38.9	35.4	32.5	29.6
73.7	72.2	70.5	69.4	68.0	66.2	58.9	55.3	52.4	48.8	45.9	39.2	36.6	34.4	32.2	25.6
75.2	74.7	74.3	74.0	73.6	73.1	69.5	60.5	55.1	49.9	45.9	42.3	38.3	34.9	31.7	28.9
72.1	70.2	67.6	66.2	63.3	61.2	59.2	54.7	50.5	46.2	43.0	40.0	37.9	36.4	35.3	31.6
74.2	72.2	68.0	64.5	61.2	56.6	55.3	52.5	46.8	44.3	40.8	38.2	34.1	31.0	28.4	26.4

5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 2 Min (Constant Speed Gate), Single Valve Operation

eter Readings, Prototype Feet of Water

.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T=780 LC=26.6	T=840 LC=23.9	T=900 LC=21.3	T=1020 LC=17.3	T=1260 LC=11.3	T=1500 LC=7.9	T=1740 LC=7.0
	37.5	35.4	31.3	29.8	26.5	24.4	22.5	21.0	18.7	17.3	14.4	11.1	8.0	7.0
	52.2	43.8	38.5	35.1	33.4	30.8	30.8	30.2	24.6	17.9	15.9	8.3	7.5	7.0
	36.9	33.2	31.4	27.9	25.6	23.5	22.2	20.9	18.5	16.5	14.2	10.3	7.8	7.0
	37.6	34.3	31.5	29.8	27.1	24.6	23.0	20.8	18.6	17.3	14.3	10.3	8.4	7.0
	36.2	33.1	29.7	28.1	24.9	23.6	21.5	19.9	18.0	15.7	13.2	9.3	7.2	7.0
	36.4	33.2	30.8	28.0	25.8	23.8	21.8	20.0	18.0	16.5	14.1	9.9	7.5	7.0
	38.5	35.7	31.9	29.3	26.8	25.0	23.3	21.8	18.9	17.2	14.2	10.1	7.7	7.0
	36.2	33.3	30.8	27.8	25.8	24.2	22.5	20.2	18.6	16.6	14.1	10.2	7.5	7.0
	47.2	44.5	40.0	37.0	33.5	30.5	27.4	24.7	22.4	20.0	16.1	11.2	8.0	7.0
	36.1	32.7	29.8	27.3	25.5	23.4	22.1	20.4	17.7	16.6	13.5	9.5	7.2	7.0
	37.6	34.4	32.4	28.7	26.2	24.4	22.4	20.1	18.5	16.9	14.5	10.0	7.8	7.0
	35.1	32.6	30.7	27 5	25.0	23.3	21.2	19.1	18.1	16.2	13.8	10.1	7.5	7.0
	46.6	42.6	38.7	35.4	31.9	29.5	26.4	25.7	23.5	21.0	16.7	10.8	7.9	7.0
	34.9	30.0	29.6	28.9	24.3	22.4	20.0	20.2	17.7	16.4	13.7	9.3	7.5	7.0
	32.8	28.9	29.4	26.0	24.3	22.5	20.4	18.2	17.5	16.2	13.4	9.9	7.9	7.0
	29.6	27.7	25.6	24.0	21.9	20.4	18.9	17.6	16.2	14.8	13.0	9.7	7.7	7.0
	47.2	43.2	39.9	36.4	33.1	30.5	28.1	25.2	22.5	20.4	16.5	10.8	7.6	7.0
	19.9	19.8	18.7	18.0	16.6	15.6	15.2	13.9	13.2	12.6	11.0	9.2	7.5	7.0
	33.6	31.2	29.0	27.2	24.7	22.4	21.0	18.8	17.1	15.9	13.3	9.5	7.6	7.0
	10.1	9.7	9.8	9.4	9.2	8.8	8.6	8.7	8.1	8.4	8.0	7.5	6.9	7.0
	33.7	31.1	29.0	26.7	24.5	22.4	20.7	19.2	17.5	15.9	13.4	9.4	7.4	7.0
	20.4	19.5	18.9	18.1	16.4	15.1	14.8	13.3	12.5	11.7	10.4	8.4	7.5	7.0
	34.5	32.6	29.0	28.1	24.6	22.7	21.5	19.0	18.0	16.2	13.2	9.8	7.4	7.0
	45.9	42.8	39.4	36.1	33.3	30.0	27.2	24.5	22.3	19.8	16.2	10.3	7.7	7.0
	46.9	43.0	39.9	36.5	33.6	30.4	27.7	25.0	22.6	20.5	16.6	10.7	7.7	7.0
	49.6	45.7	42.4	38.9	35.4	32.5	29.6	27.6	25.1	23.6	20.4	14.4	9.6	7.0
	48.8	45.9	39.2	36.6	34.4	32.2	25.6	24.0	22.4	20.6	18.0	9.0	7.3	7.0
	49.9	45.9	42.3	38.3	34.9	31.7	28.9	25.8	23.6	21.3	17.2	10.8	7.9	7.0
	46.2	43.0	40.0	37.9	36.4	35.3	31.6	34.0	33.6	33.2	18.1	11.2	8.0	7.0
	44.3	40.8	38.2	34.1	31.0	28.4	26.4	23.8	21.1	19.1	15.3	10.5	7.5	7.0

Table A19 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.1	T=45 LC=75.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9
41	25+75.0	-24.1	76.5	76.8	76.0	76.0	76.0	75.4	71.8	66.9	58.0	56.7	54.1
42	25+70.0	-24.0	76.5	76.2	75.6	75.3	74.3	73.8	73.1	66.1	62.4	58.6	56.5
43	25+70.0	-24.0	76.5	75.6	74.5	73.4	71.6	69.7	68.3	67.2	65.5	62.3	59.4
44	25+65.0	-23.1	76.5	75.8	74.7	73.1	70.0	67.4	63.1	60.4	57.7	54.8	52.7
45	25+65.0	-23.1	76.5	76.2	75.8	75.7	75.3	75.1	75.0	75.0	74.5	73.9	73.6
46	25+65.0	-23.1	76.5	76.5	76.3	76.1	75.6	75.4	75.2	75.3	74.9	64.9	62.2
47	25+60.0	-22.7	76.5	75.9	74.6	73.3	71.0	68.2	64.5	61.7	58.8	56.1	53.9
48	25+60.0	-22.7	76.5	75.9	74.7	73.4	70.9	68.2	64.8	62.0	59.3	56.6	54.8
49	25+60.0	-22.7	76.5	75.8	75.1	73.2	70.8	68.2	65.0	62.1	59.4	56.7	54.6
50	25+60.0	-22.7	76.5	75.7	74.5	73.2	70.5	67.8	64.3	61.5	58.9	55.9	54.6
51	25+50.0	-22.1	76.5	75.7	74.8	73.5	71.4	68.6	65.4	62.6	60.1	57.0	55.4
52	25+50.0	-22.1	76.5	76.0	74.5	73.4	71.1	68.2	64.8	61.8	59.0	56.7	54.6
53	25+50.0	-22.1	76.5	76.5	76.0	75.7	75.0	74.4	74.0	73.7	72.7	64.6	62.1
54	25+50.0	-22.1	76.5	75.5	74.7	73.6	71.1	68.5	66.0	62.6	60.8	57.6	55.8
55	25+40.0	-21.5	76.5	76.0	74.7	73.5	71.2	68.5	65.4	62.0	59.5	57.2	54.9
56	25+40.0	-21.5	76.5	76.2	75.6	74.8	73.1	72.0	69.8	67.9	66.3	63.7	61.2
57	25+40.0	-21.5	76.5	75.7	74.6	73.5	71.2	68.9	66.0	63.5	60.9	58.4	56.4
58	25+40.0	-21.5	76.5	76.4	76.4	76.4	76.1	74.7	70.7	66.4	63.6	60.3	57.8
59	25+30.0	-20.9	76.5	76.0	75.3	74.3	72.2	70.1	67.4	64.7	62.8	60.1	57.7
60	25+30.0	-20.9	76.5	76.3	75.2	74.1	72.0	69.7	66.5	64.2	61.6	59.3	57.0
61	25+30.0	-20.9	76.5	76.4	75.1	73.8	71.9	69.0	65.1	63.0	60.7	58.0	55.3
62	25+30.0	-20.9	76.5	76.0	75.1	74.0	72.0	69.6	67.0	64.2	61.9	59.6	57.1
63	25+25.0	-20.9	76.5	76.0	75.0	74.0	71.9	69.7	66.8	64.0	61.7	59.5	57.5
64	25+25.0	-20.6	76.5	76.0	74.8	73.5	71.9	69.1	66.3	63.5	61.5	58.8	56.4
65	25+25.0	-20.6	76.5	76.1	75.2	74.1	71.3	68.7	65.7	61.4	58.7	55.0	52.9
66	25+25.0	-20.6	76.5	76.2	75.2	74.2	72.2	70.2	67.6	65.3	63.3	60.8	58.6
68	25+23.0	-20.6	76.5	76.2	76.0	75.6	74.8	73.8	73.3	71.9	70.3	67.7	65.5
69	25+23.0	-20.6	76.5	76.0	74.7	73.6	70.8	67.2	63.6	60.1	57.7	54.9	53.5
70	25+23.0	-20.6	76.5	76.2	75.2	74.1	72.1	69.5	66.6	63.7	62.1	58.5	56.8
71	25+10.2	-24.25	76.5	76.4	75.7	74.5	73.3	71.2	68.9	66.7	64.7	61.7	59.5
71A	25+10.2	-24.25	76.5	75.9	75.2	74.1	72.2	69.9	67.2	64.7	62.6	60.1	58.1

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T=240 LC=61.1	T=300 LC=56.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=72(LC=2
76.0	75.4	71.8	66.9	58.0	56.7	54.1	49.5	46.1	42.0	39.2	36.7	34.1	30.2	27.1	24.9
74.3	73.8	73.1	66.1	62.4	58.6	56.5	52.1	48.8	45.5	41.7	38.4	35.4	32.7	29.8	27.2
71.6	69.7	68.3	67.2	65.5	62.3	59.4	54.9	50.8	47.2	43.0	39.6	35.6	32.5	29.4	26.9
70.0	67.4	63.1	60.4	57.7	54.8	52.7	50.9	46.1	42.7	39.7	36.6	33.8	31.2	29.2	26.0
75.3	75.1	75.0	75.0	74.5	73.9	73.6	72.4	71.7	70.9	69.6	68.6	36.5	33.3	30.3	27.6
75.6	75.4	75.2	75.3	74.9	64.9	62.2	57.5	52.5	48.7	44.7	40.6	37.1	33.7	30.7	27.8
71.0	68.2	64.5	61.7	58.8	56.1	53.9	50.2	46.5	43.3	39.9	36.6	33.5	30.7	27.9	25.7
70.9	68.2	64.8	62.0	59.3	56.6	54.8	51.0	47.1	43.5	40.6	37.2	33.6	31.1	28.1	25.8
70.8	68.2	65.0	62.1	59.4	56.7	54.6	51.1	47.5	44.1	40.8	37.2	33.9	31.1	28.4	25.9
70.5	67.8	64.3	61.5	58.9	55.9	54.6	50.5	47.1	43.4	39.9	36.7	34.1	30.7	28.1	25.5
71.4	68.6	65.4	62.6	60.1	57.0	55.4	51.1	47.6	44.3	40.7	37.2	34.4	31.3	28.7	26.0
71.1	68.2	64.8	61.8	59.0	56.7	54.6	50.5	47.0	44.2	40.3	36.4	33.8	30.8	28.0	25.7
75.0	74.4	74.0	73.7	72.7	64.6	62.1	56.6	52.0	47.8	43.7	40.0	36.6	33.2	30.3	27.6
71.1	68.5	66.0	62.6	60.8	57.6	55.8	51.8	48.0	44.3	41.0	37.3	34.2	31.4	28.4	25.9
71.2	68.5	65.4	62.0	59.5	57.2	54.9	51.1	47.0	43.5	40.3	36.7	33.7	31.3	28.2	25.7
73.1	72.0	69.8	67.9	66.3	63.7	61.2	56.7	52.2	48.1	44.2	40.5	37.0	33.4	30.3	27.4
71.2	68.9	66.0	63.5	60.9	58.4	56.4	51.9	48.5	44.5	41.0	38.0	34.4	31.6	28.6	25.9
76.1	74.7	70.7	66.4	63.6	60.3	57.8	53.9	49.4	45.3	41.6	38.6	35.2	32.0	29.2	26.5
72.2	70.1	67.4	64.7	62.8	60.1	57.7	53.8	49.3	45.7	41.8	38.8	35.0	32.4	29.2	26.5
72.0	69.7	66.5	64.2	61.6	59.3	57.0	53.1	49.0	44.8	41.5	38.5	34.6	31.6	29.0	26.1
71.9	69.0	65.1	63.0	60.7	58.0	55.3	51.6	47.5	43.8	40.5	37.4	34.3	31.3	28.8	26.0
72.0	69.6	67.0	64.2	61.9	59.6	57.1	53.0	49.2	45.2	41.6	38.4	35.1	31.9	29.1	26.5
71.9	69.7	66.8	64.0	61.7	59.5	57.5	52.9	48.4	44.9	41.8	38.0	34.8	31.8	28.9	26.3
71.9	69.1	66.3	63.5	61.5	58.8	56.4	52.6	48.2	44.8	41.3	38.1	34.5	31.8	28.5	25.8
71.3	68.7	65.7	61.4	58.7	55.0	52.9	48.8	46.1	42.6	39.5	37.1	33.6	30.7	27.7	25.3
72.2	70.2	67.6	65.3	63.3	60.8	58.6	54.6	50.1	46.1	42.6	39.1	35.8	32.4	29.7	26.7
74.8	73.8	73.3	71.9	70.3	67.7	65.5	60.4	55.6	51.4	46.9	43.0	39.0	35.7	32.1	29.2
70.8	67.2	63.6	60.1	57.7	54.9	53.5	49.8	45.8	41.7	39.3	35.7	32.8	30.5	27.8	24.7
72.1	69.5	66.6	63.7	62.1	58.5	56.8	52.8	48.4	44.9	41.7	38.0	34.5	31.7	29.0	26.2
73.3	71.2	68.9	66.7	64.7	61.7	59.5	55.7	51.5	47.4	43.7	39.5	36.7	33.5	30.4	27.1
72.2	69.9	67.2	64.7	62.6	60.1	58.1	53.8	49.2	47.0	42.3	39.4	35.3	32.8	30.1	27.5

meter Readings, Prototype Feet of Water

0 6.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T=780 LC=26.6	T=840 LC=23.9	T=900 LC=21.3	T=1020 LC=17.3	T=1260 LC=11.3	T=1500 LC=7.9	T=1740 LC=7.0
	42.0	39.2	36.7	34.1	30.2	27.1	24.9	22.8	20.8	19.3	15.1	10.6	7.6	7.0
	45.5	41.7	38.4	35.4	32.7	29.8	27.2	24.1	22.1	20.3	15.5	10.3	7.6	7.0
	47.2	43.0	39.6	35.6	32.5	29.4	26.9	24.2	22.0	20.1	16.0	10.6	7.5	7.0
	42.7	39.7	36.6	33.8	31.2	29.2	26.0	23.9	22.0	20.2	17.0	11.6	9.5	7.0
	70.9	69.6	68.6	36.5	33.3	30.3	27.6	25.1	22.8	20.6	16.8	11.2	8.0	7.0
	48.7	44.7	40.6	37.1	33.7	30.7	27.8	25.2	22.7	20.3	16.6	10.9	7.6	7.0
	43.3	39.9	36.6	33.5	30.7	27.9	25.7	23.0	21.1	19.0	15.7	10.4	7.6	7.0
	43.5	40.6	37.2	33.6	31.1	28.1	25.8	23.3	21.3	19.0	15.5	10.3	7.8	7.0
	44.1	40.8	37.2	33.9	31.1	28.4	25.9	23.6	21.3	19.3	15.7	10.5	8.0	7.0
	43.4	39.9	36.7	34.1	30.7	28.1	25.5	23.2	21.0	18.9	15.3	10.3	7.5	7.0
	44.3	40.7	37.2	34.4	31.3	28.7	26.0	23.6	21.5	19.5	16.0	10.7	7.9	7.0
	44.2	40.3	36.4	33.8	30.8	28.0	25.7	23.0	21.0	19.1	15.4	10.6	7.7	7.0
	47.8	43.7	40.0	36.6	33.2	30.3	27.6	24.6	22.2	20.1	16.0	10.4	7.8	7.0
	44.3	41.0	37.3	34.2	31.4	28.4	25.9	23.7	21.3	19.3	15.5	10.2	7.6	7.0
	43.5	40.3	36.7	33.7	31.3	28.2	25.7	23.1	21.0	18.8	15.4	10.1	7.6	7.0
	48.1	44.2	40.5	37.0	33.4	30.3	27.4	24.8	22.3	20.0	15.6	10.0	7.3	7.0
	44.5	41.0	38.0	34.4	31.6	28.6	25.9	23.6	21.2	19.4	15.3	10.5	7.6	7.0
	45.3	41.6	38.6	35.2	32.0	29.2	26.5	23.9	21.7	19.4	15.9	10.6	7.5	7.0
	45.7	41.8	38.8	35.0	32.4	29.2	26.5	23.9	21.7	19.4	15.8	10.5	7.8	7.0
	44.8	41.5	38.5	34.6	31.6	29.0	26.1	24.0	21.5	19.3	15.6	10.5	7.7	7.0
	43.8	40.5	37.4	34.3	31.3	28.8	26.0	23.6	21.2	19.1	15.5	10.3	7.5	7.0
	45.2	41.6	38.4	35.1	31.9	29.1	26.5	23.8	21.5	19.5	15.6	10.5	7.6	7.0
	44.9	41.8	38.0	34.8	31.8	28.9	26.3	23.6	21.4	19.4	16.0	10.5	7.8	7.0
	44.8	41.3	38.1	34.5	31.8	28.5	25.8	23.6	21.2	19.2	15.6	10.3	7.5	7.0
	42.6	39.5	37.1	33.6	30.7	27.7	25.3	23.0	20.8	18.6	15.2	10.4	7.6	7.0
	46.1	42.6	39.1	35.8	32.4	29.7	26.7	24.4	21.7	19.6	15.9	10.5	7.4	7.0
	51.4	46.9	43.0	39.0	35.7	32.1	29.2	26.1	23.7	21.1	16.9	10.6	7.6	7.0
	41.7	39.3	35.7	32.8	30.5	27.8	24.7	22.4	20.9	18.7	15.2	10.3	7.8	7.0
	44.9	41.7	38.0	34.5	31.7	29.0	26.2	23.6	21.6	19.2	15.7	10.4	7.6	7.0
	47.4	43.7	39.5	36.7	33.5	30.4	27.1	25.1	22.4	20.2	16.4	10.4	7.6	7.0
	47.0	42.3	39.4	35.3	32.8	30.1	27.5	24.8	22.1	19.7	16.0	10.3	7.5	7.0

Table A19 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.1	T=45 LC=75.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9
72	25+00.2	-24.25	76.5	76.2	75.1	74.5	72.7	70.6	69.2	66.7	65.1	62.7	60.4
73	24+90.2	-24.25	76.5	76.4	76.0	75.6	74.9	74.3	73.7	73.2	73.1	72.7	72.2
74	24+80.2	-24.25	76.5	76.5	75.8	75.0	73.8	72.3	70.5	68.7	67.5	64.9	62.2
75	24+70.2	-24.25	76.5	77.1	76.1	75.7	74.8	73.2	72.2	70.4	69.1	66.2	63.9
76	24+60.2	-24.25	76.5	76.4	76.5	75.6	74.9	73.6	72.4	71.0	70.0	66.2	63.8
77	24+50.2	-24.25	76.5	76.5	76.2	76.3	75.8	75.5	75.5	75.2	75.3	75.3	75.3
78	24+40.2	-24.25	76.5	76.5	76.0	75.3	74.4	73.2	72.2	70.3	69.1	66.6	64.3
79	24+30.2	-24.25	76.5	76.4	76.1	75.8	75.3	74.9	74.3	73.7	73.4	72.2	70.6
79A	24+30.2	-24.25	76.5	76.4	76.4	75.6	74.4	73.0	71.8	70.0	68.3	66.1	63.2
80	26+17.0	-28.4	76.5	74.9	72.2	68.1	61.6	53.9	45.6	37.9	32.8	29.9	28.5
81	26+06.0	-28.4	76.5	75.3	74.1	71.8	68.4	64.2	58.9	54.6	51.1	48.2	46.3
82	26+22.4	-28.4	76.5	74.7	72.3	68.1	61.4	53.8	45.6	37.9	32.4	29.9	28.7
83	26+13.9	-28.4	76.5	75.1	73.9	71.0	66.7	62.4	57.2	52.8	49.0	46.6	44.9
84	26+30.3	-28.4	76.5	75.2	71.9	68.0	61.2	54.2	45.3	38.1	32.7	29.8	28.9
85	26+25.7	-28.4	76.5	75.3	73.6	71.1	66.9	62.4	56.8	52.4	48.6	46.6	44.7
86	26+17.0	-20.1	76.5	75.6	74.8	73.8	72.0	69.6	67.3	65.5	63.2	60.5	58.7
87	26+06.0	-20.1	76.5	75.7	74.9	74.0	71.7	70.2	67.6	65.8	63.3	60.8	59.1
88	26+22.4	-20.1	76.5	75.4	75.1	73.9	71.8	69.9	67.8	65.4	63.0	60.7	58.9
89	26+13.9	-20.1	76.5	75.9	75.2	74.0	71.9	70.2	67.8	65.6	63.3	60.7	59.0
90	26+30.3	-20.1	76.5	75.8	75.5	74.1	72.1	70.2	67.6	65.1	63.2	60.7	59.0
91	26+25.7	-20.1	76.5	75.7	75.1	74.2	72.1	70.3	68.0	66.0	64.0	61.7	59.5
92	26+43.3	-24.1	76.5	75.7	74.7	73.2	70.9	68.1	64.4	62.0	59.4	56.8	53.8
93	26+43.3	-24.1	76.5	75.4	74.5	73.0	69.7	67.0	62.4	59.5	56.8	53.8	51.3
94	26+48.3	-24.0	76.5	75.6	74.9	73.2	70.4	67.8	64.3	62.0	59.4	57.0	54.9
95	26+48.3	-24.0	76.5	75.6	74.6	73.3	70.9	68.5	65.2	62.6	60.3	57.9	55.5
96	26+53.3	-23.1	76.5	75.8	75.0	73.4	70.6	68.1	64.2	61.5	58.6	56.1	54.4
97	26+53.3	-23.1	76.5	75.8	74.6	73.0	70.1	67.6	63.7	61.1	58.2	55.9	53.9
98	26+53.3	-23.1	76.5	76.3	76.2	76.0	75.9	75.5	75.4	73.0	68.7	64.9	62.2
99	26+58.3	-22.7	76.5	76.2	76.1	76.2	75.7	75.1	74.3	70.6	66.4	63.6	60.8
100	26+58.3	-22.7	76.5	76.8	75.4	74.5	72.2	70.4	67.7	65.1	62.4	58.8	57.5
101	26+58.3	-22.7	76.5	75.9	74.8	73.3	70.8	68.2	64.9	62.3	59.5	57.6	55.7

Average Piezometer Readings, Prototype Feet of Water

:60 :=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T=240 LC=61.1	T=300 LC=56.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5
.7	70.6	69.2	66.7	65.1	62.7	60.4	56.0	51.4	47.6	43.7	40.3	36.7	33.2	30.3	27.3
.9	74.3	73.7	73.2	73.1	72.7	72.2	60.3	54.9	50.0	45.5	41.7	38.5	34.9	31.5	28.7
.8	72.3	70.5	68.7	67.5	64.9	62.2	57.5	53.1	49.1	45.0	40.9	37.5	33.8	30.7	27.8
.8	73.2	72.2	70.4	69.1	66.2	63.9	58.4	54.3	50.0	45.8	42.0	38.5	34.7	31.8	28.3
.9	73.6	72.4	71.0	70.0	66.2	63.8	59.7	54.4	50.4	46.4	43.1	38.3	35.5	32.3	28.7
.8	75.5	75.5	75.2	75.3	75.3	75.3	75.2	61.9	58.6	53.4	49.5	44.7	39.7	33.9	32.2
.4	73.2	72.2	70.3	69.1	66.6	64.3	59.7	55.0	50.8	46.6	42.6	39.0	35.5	32.0	28.7
.3	74.9	74.3	73.7	73.4	72.2	70.6	67.2	63.4	59.0	49.4	42.7	38.7	35.1	32.2	28.8
.4	73.0	71.8	70.0	68.3	66.1	63.2	58.7	54.2	49.8	46.0	41.9	38.2	34.7	31.5	28.4
.6	53.9	45.6	37.9	32.8	29.9	28.5	27.3	25.7	24.5	22.4	21.3	20.2	18.5	17.6	16.3
.4	64.2	58.9	54.6	51.1	48.2	46.3	43.3	40.6	37.6	34.5	31.8	29.5	26.7	24.9	22.6
.4	53.8	45.6	37.9	32.4	29.9	28.7	27.5	26.0	24.8	22.8	21.7	20.0	19.0	18.0	16.6
.7	62.4	57.2	52.8	49.0	46.6	44.9	42.0	39.6	36.7	33.3	30.8	28.6	26.3	24.2	22.0
.2	54.2	45.3	38.1	32.7	29.8	28.9	28.2	26.3	24.9	22.7	21.6	20.1	18.9	18.4	16.7
.9	62.4	56.8	52.4	48.6	46.6	44.7	41.5	39.0	36.3	33.3	30.7	27.9	26.0	24.1	21.8
.0	69.6	67.3	65.5	63.2	60.5	58.7	54.2	50.3	46.1	42.9	39.1	36.1	32.5	29.6	26.9
.7	70.2	67.6	65.8	63.3	60.8	59.1	54.6	50.4	46.5	42.6	39.6	36.1	32.8	29.9	27.1
.8	69.9	67.8	65.4	63.0	60.7	58.9	54.2	50.5	46.6	42.7	39.5	36.3	32.6	29.7	26.9
.9	70.2	67.8	65.6	63.3	60.7	59.0	54.3	50.4	46.6	42.8	39.5	35.9	32.7	29.6	26.8
.1	70.2	67.6	65.1	63.2	60.7	59.0	54.4	50.5	46.3	42.9	39.7	35.9	32.5	29.9	26.9
.1	70.3	68.0	66.0	64.0	61.7	59.5	56.5	55.6	55.2	54.9	39.7	36.4	33.0	29.9	27.3
.9	68.1	64.4	62.0	59.4	56.8	53.8	50.2	47.1	43.8	39.8	36.8	33.7	30.9	28.0	25.8
.7	67.0	62.4	59.5	56.8	53.8	51.3	48.1	43.9	40.4	36.2	33.2	30.0	27.4	25.2	23.1
.4	67.8	64.3	62.0	59.4	57.0	54.9	50.8	47.5	43.4	40.2	36.7	33.6	30.6	28.0	25.6
.9	68.5	65.2	62.6	60.3	57.9	55.5	51.2	48.2	44.5	40.9	37.5	34.2	30.9	28.4	26.0
.6	68.1	64.2	61.5	58.6	56.1	54.4	50.4	47.1	43.3	39.9	36.5	33.7	30.7	28.1	25.6
.1	67.6	63.7	61.1	58.2	55.9	53.9	49.9	46.9	43.2	39.6	36.6	33.4	30.2	28.0	25.3
.9	75.5	75.4	73.0	68.7	64.9	62.2	56.8	52.9	48.3	43.9	40.3	37.0	33.3	30.5	27.6
.7	75.1	74.3	70.6	66.4	63.6	60.8	55.9	52.0	47.2	43.6	40.0	36.5	33.0	30.0	27.3
.2	70.4	67.7	65.1	62.4	58.8	57.5	52.9	49.2	44.9	42.4	37.6	34.9	31.7	28.7	27.0
.8	68.2	64.9	62.3	59.5	57.6	55.7	51.4	48.1	44.2	40.4	37.4	34.4	31.4	28.7	26.0

er Readings, Prototype Feet of Water

T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T=780 LC=26.6	T=840 LC=23.9	T=900 LC=21.3	T=1020 LC=17.3	T=1260 LC=11.3	T=1500 LC=7.9	T=1740 LC=7.0
47.6	43.7	40.3	36.7	33.2	30.3	27.3	25.1	22.3	19.9	16.1	10.9	7.8	7.0
50.0	45.5	41.7	38.5	34.9	31.5	28.7	25.8	22.9	20.8	16.6	10.6	7.8	7.0
49.1	45.0	40.9	37.5	33.8	30.7	27.8	25.1	22.8	20.2	16.1	10.5	7.5	7.0
50.0	45.8	42.0	38.5	34.7	31.8	28.3	26.5	23.5	20.8	16.8	10.9	7.5	7.0
50.4	46.4	43.1	38.3	35.5	32.3	28.7	25.9	23.8	20.9	16.8	10.9	7.9	7.0
58.6	53.4	49.5	44.7	39.7	33.9	32.2	30.5	29.7	25.1	22.6	16.9	7.5	7.0
50.8	46.6	42.6	39.0	35.5	32.0	28.7	26.2	23.8	21.3	17.1	11.2	7.9	7.0
59.0	49.4	42.7	38.7	35.1	32.2	28.8	26.1	23.2	20.9	16.5	10.8	7.6	7.0
49.8	46.0	41.9	38.2	34.7	31.5	28.4	25.7	22.8	20.8	16.2	10.8	7.6	7.0
24.5	22.4	21.3	20.2	18.5	17.6	16.3	15.1	14.3	13.0	11.4	8.7	7.3	7.0
37.6	34.5	31.8	29.5	26.7	24.9	22.6	20.5	18.9	16.8	14.3	9.7	7.4	7.0
24.8	22.8	21.7	20.0	19.0	18.0	16.6	15.7	14.3	13.3	11.3	8.8	7.4	7.0
36.7	33.3	30.8	28.6	26.3	24.2	22.0	20.2	18.7	16.9	13.8	9.8	7.5	7.0
24.9	22.7	21.6	20.1	18.9	18.4	16.7	15.2	14.3	13.5	11.5	9.0	7.5	7.0
36.3	33.3	30.7	27.9	26.0	24.1	21.8	19.8	18.3	16.6	13.4	9.7	7.5	7.0
46.1	42.9	39.1	36.1	32.5	29.6	26.9	24.2	21.9	19.7	16.0	10.5	7.6	7.0
46.5	42.6	39.6	36.1	32.8	29.9	27.1	24.4	21.9	19.9	15.9	10.6	7.6	7.0
46.6	42.7	39.5	36.3	32.6	29.7	26.9	24.4	22.1	19.8	16.1	10.5	7.8	7.0
46.6	42.8	39.5	35.9	32.7	29.6	26.8	24.4	21.9	19.7	16.0	10.3	7.5	7.0
46.3	42.9	39.7	35.9	32.5	29.9	26.9	24.3	22.0	19.7	16.0	10.5	7.7	7.0
55.2	54.9	39.7	36.4	33.0	29.9	27.3	24.8	22.3	20.0	16.4	10.5	7.7	7.0
43.8	39.8	36.8	33.7	30.9	28.0	25.8	23.3	20.9	18.6	15.2	10.4	7.6	7.0
40.4	36.2	33.2	30.0	27.4	25.2	23.1	21.4	20.2	18.9	16.9	12.7	9.8	7.0
43.4	40.2	36.7	33.6	30.6	28.0	25.6	23.1	21.0	19.0	15.5	10.3	7.4	7.0
44.5	40.9	37.5	34.2	30.9	28.4	26.0	23.5	21.3	19.1	15.3	10.3	7.9	7.0
43.3	39.9	36.5	33.7	30.7	28.1	25.6	22.8	20.8	18.9	15.4	10.1	7.7	7.0
43.2	39.6	36.6	33.4	30.2	28.0	25.3	22.8	20.9	18.8	15.0	10.1	7.8	7.0
48.3	43.9	40.3	37.0	33.3	30.5	27.6	24.9	22.3	20.3	16.4	10.7	7.9	7.0
47.2	43.6	40.0	36.5	33.0	30.0	27.3	24.8	22.6	20.3	16.3	10.8	7.9	7.0
44.9	42.4	37.6	34.9	31.7	28.7	27.0	23.8	21.5	19.3	15.6	11.3	7.7	7.0
44.2	40.4	37.4	34.4	31.4	28.7	26.0	23.3	21.6	19.1	15.6	10.4	7.6	7.0

Table A19 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.1	T=45 LC=75.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9
102	26+58.3	-22.7	76.5	75.8	75.1	73.5	71.0	68.5	65.4	62.7	59.9	57.8	55.5
103	26+68.3	-22.1	76.5	76.1	75.6	75.1	73.7	73.1	72.5	70.8	65.3	61.8	58.8
104	26+68.3	-22.1	76.5	75.6	74.6	73.5	71.0	68.5	65.3	63.0	60.2	58.3	56.1
105	26+68.3	-22.1	76.5	75.8	75.1	73.2	71.1	68.5	65.1	62.7	60.2	57.7	55.8
106	26+68.3	-22.1	76.5	76.1	75.9	75.9	75.3	75.0	74.6	74.0	66.3	63.1	60.7
107	26+78.3	-21.5	76.5	75.7	74.7	73.3	71.0	68.6	65.3	62.9	60.6	58.5	56.5
108	26+78.3	-21.5	76.5	76.0	75.8	74.8	73.7	72.2	70.4	68.2	66.2	62.9	60.2
109	26+78.3	-21.5	76.5	75.6	74.9	73.6	71.2	68.9	65.8	63.6	61.1	58.8	56.7
110	26+78.3	-21.5	76.5	76.4	75.9	75.9	75.7	75.3	75.2	74.8	74.8	72.3	65.1
111	26+88.3	-20.9	76.5	76.0	75.5	74.2	72.1	69.8	66.9	64.6	62.7	60.0	57.8
112	26+88.3	-20.9	76.5	75.9	74.9	74.0	72.0	69.3	65.8	64.4	62.2	59.0	57.2
113	26+88.3	-20.9	76.5	75.8	74.7	73.4	71.3	69.0	65.8	63.2	60.8	58.4	56.6
114	26+88.3	-20.9	76.5	76.9	76.2	76.0	75.4	74.9	74.9	74.4	73.9	73.1	70.1
115	26+93.3	-20.6	76.5	76.1	75.4	74.2	72.2	70.1	67.4	65.2	62.9	61.0	58.4
116	26+93.3	-20.6	76.5	75.9	74.4	73.6	70.1	67.3	63.1	59.4	56.8	55.3	52.4
117	26+93.3	-20.6	76.5	75.8	74.8	73.4	70.9	68.2	64.9	62.1	59.2	56.6	54.5
118	26+93.3	-20.6	76.5	76.6	76.5	76.4	75.7	74.6	71.9	68.0	65.1	61.7	60.4
119	26+95.3	-20.6	76.5	76.2	75.2	74.2	72.2	69.9	67.5	64.7	62.8	60.0	58.2
120	26+95.3	-20.6	76.5	76.1	75.6	75.2	74.5	74.1	71.6	65.0	61.3	58.1	55.7
121	26+95.3	-20.6	76.5	76.1	75.4	74.7	72.9	70.9	68.6	66.2	63.6	60.0	58.1
122	26+95.3	-20.6	76.5	76.2	75.3	74.7	73.3	70.8	67.7	66.0	62.5	59.1	57.2
123	27+08.1	-24.25	76.5	75.3	75.2	74.3	72.9	72.0	69.9	67.6	65.0	62.1	59.8
123A	27+08.1	-24.25	76.5	76.3	76.3	75.0	73.4	72.1	70.0	68.0	66.1	62.8	60.4
124	27+18.1	-24.25	76.5	77.0	76.0	75.4	74.0	72.5	70.7	69.1	68.1	64.3	62.5
125	27+28.1	-24.25	76.5	76.5	76.8	75.4	74.6	73.4	71.3	69.5	68.5	64.5	62.9
126	27+38.1	-24.25	76.5	77.3	76.3	75.8	74.6	73.5	72.0	70.6	68.5	65.3	64.1
127	27+48.1	-24.25	76.5	76.3	76.1	75.3	74.5	73.4	72.7	70.4	69.0	66.4	63.5
128	27+58.1	-24.25	76.5	76.4	76.1	75.8	75.4	73.8	72.5	71.6	69.6	66.7	64.0
129	27+68.1	-24.25	76.5	75.0	74.7	74.3	73.5	73.2	72.2	70.5	68.6	66.2	63.9
130	27+78.1	-24.25	76.5	76.5	76.8	75.8	74.9	73.6	72.0	70.9	68.4	65.3	61.9
131	27+88.1	-24.25	76.5	77.1	76.3	75.9	75.0	74.0	73.1	71.5	70.1	67.4	65.5

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T=240 LC=61.1	T=300 LC=56.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5
71.0	68.5	65.4	62.7	59.9	57.8	55.5	51.8	48.2	44.4	40.6	37.4	34.5	31.1	28.6	26.3
73.7	73.1	72.5	70.8	65.3	61.8	58.8	53.4	49.1	44.8	40.9	37.5	34.2	30.5	27.8	24.9
71.0	68.5	65.3	63.0	60.2	58.3	56.1	51.7	48.3	44.3	40.8	37.8	34.3	31.5	28.5	26.1
71.1	68.5	65.1	62.7	60.2	57.7	55.8	51.6	48.1	44.4	40.9	37.4	34.5	31.4	28.5	25.8
75.3	75.0	74.6	74.0	66.3	63.1	60.7	55.8	51.5	47.5	43.2	39.9	36.5	33.1	30.4	27.4
71.0	68.6	65.3	62.9	60.6	58.5	56.5	52.0	48.7	44.6	41.2	37.6	34.6	31.4	28.9	26.0
73.7	72.2	70.4	68.2	66.2	62.9	60.2	56.0	51.8	47.9	44.4	41.2	37.7	34.5	31.6	28.9
71.2	68.9	65.8	63.6	61.1	58.8	56.7	52.4	48.9	45.0	41.4	38.0	35.1	31.9	28.8	26.4
75.7	75.3	75.2	74.8	74.8	72.3	65.1	59.3	54.6	49.9	46.0	41.4	38.1	34.6	31.0	28.5
72.1	69.8	66.9	64.6	62.7	60.0	57.8	53.8	49.8	46.2	42.3	39.0	35.3	32.3	29.2	26.8
72.0	69.3	65.8	64.4	62.2	59.0	57.2	53.0	49.0	45.4	41.7	38.7	35.2	32.1	29.5	26.9
71.3	69.0	65.8	63.2	60.8	58.4	56.6	52.5	48.6	44.8	41.4	38.2	34.9	31.8	28.7	26.5
75.4	74.9	74.9	74.4	73.9	73.1	70.1	60.8	55.7	50.3	46.2	42.4	38.4	35.1	31.7	28.8
72.2	70.1	67.4	65.2	62.9	61.0	58.4	53.5	49.9	45.9	42.5	39.2	35.8	32.5	29.7	26.9
70.1	67.3	63.1	59.4	56.8	55.3	52.4	50.2	46.6	43.5	39.4	37.3	33.4	30.3	28.4	25.1
70.9	68.2	64.9	62.1	59.2	56.6	54.5	51.5	47.1	43.3	40.3	37.4	34.4	31.0	28.9	26.0
75.7	74.6	71.9	68.0	65.1	61.7	60.4	55.3	50.9	46.8	43.1	39.5	36.0	32.9	30.1	27.2
72.2	69.9	67.5	64.7	62.8	60.0	58.2	54.4	50.8	47.7	45.6	44.9	42.4	37.7	33.4	29.6
74.5	74.1	71.6	65.0	61.3	58.1	55.7	51.2	48.0	44.0	41.1	37.3	35.0	31.2	28.6	25.9
72.9	70.9	68.6	66.2	63.6	60.0	58.1	53.8	50.4	45.4	41.9	38.4	35.2	32.3	29.9	27.1
73.3	70.8	67.7	66.0	62.5	59.1	57.2	52.7	48.7	45.4	41.1	37.5	34.5	31.4	28.7	26.2
72.9	72.0	69.9	67.6	65.0	62.1	59.8	55.4	51.1	47.5	43.1	39.3	35.8	32.7	29.7	26.9
73.4	72.1	70.0	68.0	66.1	62.8	60.4	56.0	51.9	47.2	43.6	40.0	36.9	33.7	31.1	27.9
74.0	72.5	70.7	69.1	68.1	64.3	62.5	57.6	53.0	48.9	45.0	40.8	37.8	34.4	31.1	28.4
74.6	73.4	71.3	69.5	68.5	64.5	62.9	58.6	53.5	49.4	45.5	41.8	38.0	35.5	32.2	28.5
74.6	73.5	72.0	70.6	68.5	65.3	64.1	58.8	54.8	50.3	46.9	41.8	38.6	35.0	31.6	29.5
74.5	73.4	72.7	70.4	69.0	66.4	63.5	58.9	54.9	50.0	46.1	41.8	38.3	34.9	32.0	28.9
75.4	73.8	72.5	71.6	69.6	66.7	64.0	59.0	55.0	51.2	46.3	42.5	38.6	35.2	31.9	28.6
73.5	73.2	72.2	70.5	68.6	66.2	63.9	59.5	54.9	50.8	46.7	42.8	38.7	35.6	32.1	29.1
74.9	73.6	72.0	70.9	68.4	65.3	61.9	56.3	50.8	45.2	40.1	35.5	31.1	27.2	24.8	21.5
75.0	74.0	73.1	71.5	70.1	67.4	65.5	59.8	55.0	51.0	46.7	42.7	39.3	35.8	32.3	29.4

meter Readings, Prototype Feet of Water

0 66.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T=780 LC=26.6	T=840 LC=23.9	T=900 LC=21.3	T=1020 LC=17.3	T=1260 LC=11.3	T=1500 LC=7.9	T=1740 LC=7.0
	44.4	40.6	37.4	34.5	31.1	28.6	26.3	23.6	21.4	19.2	15.6	10.4	7.9	7.0
	44.8	40.9	37.5	34.2	30.5	27.8	24.9	22.7	20.6	18.9	15.2	10.4	8.1	7.0
	44.3	40.8	37.8	34.3	31.5	28.5	26.1	23.7	21.4	19.2	15.7	10.6	7.9	7.0
	44.4	40.9	37.4	34.5	31.4	28.5	25.8	23.5	21.4	19.1	15.4	10.5	7.7	7.0
	47.5	43.2	39.9	36.5	33.1	30.4	27.4	24.8	22.2	19.9	16.1	10.5	7.7	7.0
	44.6	41.2	37.6	34.6	31.4	28.9	26.0	23.4	21.5	19.0	15.6	10.3	7.5	7.0
	47.9	44.4	41.2	37.7	34.5	31.6	28.9	26.1	24.1	21.7	17.7	12.2	8.7	7.0
	45.0	41.4	38.0	35.1	31.9	28.8	26.4	23.9	21.6	19.4	15.8	10.6	8.0	7.0
	49.9	46.0	41.4	38.1	34.6	31.0	28.5	25.8	23.0	20.9	16.8	11.0	8.0	7.0
	46.2	42.3	39.0	35.3	32.3	29.2	26.8	23.9	21.9	19.6	16.0	10.8	7.8	7.0
	45.4	41.7	38.7	35.2	32.1	29.5	26.9	24.1	22.0	19.8	16.1	10.5	7.7	7.0
	44.8	41.4	38.2	34.9	31.8	28.7	26.5	23.8	21.7	19.5	15.8	10.5	7.7	7.0
	50.3	46.2	42.4	38.4	35.1	31.7	28.8	26.2	23.2	20.8	16.9	10.6	7.7	7.0
	45.9	42.5	39.2	35.8	32.5	29.7	26.9	24.5	21.9	19.8	15.8	10.3	7.5	7.0
	43.5	39.4	37.3	33.4	30.3	28.4	25.1	23.1	20.9	18.6	15.3	10.0	7.2	7.0
	43.3	40.3	37.4	34.4	31.0	28.9	26.0	23.6	21.3	19.3	15.6	10.4	7.7	7.0
	46.8	43.1	39.5	36.0	32.9	30.1	27.2	24.5	22.3	19.9	16.1	10.7	7.5	7.0
	47.7	45.6	44.9	42.4	37.7	33.4	29.6	26.5	23.9	21.3	17.1	10.8	8.0	7.0
	44.0	41.1	37.3	35.0	31.2	28.6	25.9	23.5	21.2	19.5	15.8	10.3	7.5	7.0
	45.4	41.9	38.4	35.2	32.3	29.9	27.1	24.1	21.8	19.4	15.7	10.2	8.0	7.0
	45.4	41.1	37.5	34.5	31.4	28.7	26.2	24.3	21.2	20.4	16.7	9.8	7.2	7.0
	47.5	43.1	39.3	35.8	32.7	29.7	26.9	24.3	21.8	19.4	16.3	11.2	8.1	7.0
	47.2	43.6	40.0	36.9	33.7	31.1	27.9	25.2	23.0	20.7	16.4	10.8	7.8	7.0
	48.9	45.0	40.8	37.8	34.4	31.1	28.4	26.1	23.2	20.8	16.7	10.9	7.7	7.0
	49.4	45.5	41.8	38.0	35.5	32.2	28.5	25.8	23.1	21.0	17.0	11.0	7.9	7.0
	50.3	46.9	41.8	38.6	35.0	31.6	29.5	26.1	23.1	20.7	16.7	11.3	7.6	7.0
	50.0	46.1	41.8	38.3	34.9	32.0	28.9	25.7	23.1	20.8	16.4	10.4	7.2	7.0
	51.2	46.3	42.5	38.6	35.2	31.9	28.6	26.2	23.5	22.2	17.8	10.6	7.2	7.0
	50.8	46.7	42.8	38.7	35.6	32.1	29.1	26.1	23.3	21.2	17.1	11.5	8.2	7.0
	45.2	40.1	35.5	31.1	27.2	24.8	21.5	20.1	19.6	19.2	16.4	12.0	7.5	7.0
	51.0	46.7	42.7	39.3	35.8	32.3	29.4	27.0	23.7	21.1	17.1	11.3	7.8	7.0

Table A19 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.1	T=45 LC=75.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9
131A	27+88.1	-24.25	76.5	76.3	76.7	76.4	74.9	73.7	72.8	71.1	70.1	67.0	64.0
132	26+14.0	-24.25	76.5	74.3	74.1	70.4	65.7	61.4	55.1	49.9	44.5	39.6	37.1
133	26+22.5	-24.25	76.5	74.2	72.8	68.5	61.9	55.3	46.2	38.1	33.1	23.8	22.3
134	26+70.0	-17.0	76.5	73.4	73.6	69.5	63.1	57.9	49.4	43.0	36.7	31.6	28.8
134A	26+70.0	-17.0	76.5	76.4	75.9	75.8	75.3	74.4	73.9	73.9	73.2	72.7	72.3
135	27+85.0	-17.0	76.5	75.8	75.9	69.4	64.0	58.5	47.4	40.8	34.3	28.6	26.8
135A	27+85.0	-17.0	76.5	76.0	75.6	75.0	72.5	71.9	69.0	67.9	65.1	61.6	59.3
136	28+60.0	-18.0	76.5	71.8	72.5	66.1	59.9	53.0	44.8	37.0	31.2	25.6	23.9
136A	28+60.0	-18.0	76.5	76.0	75.6	75.5	72.4	72.2	69.2	67.7	65.0	61.8	59.6
137	28+72.0	-18.0	76.5	71.5	72.8	66.5	60.5	53.2	44.7	36.6	30.4	24.6	22.4
137A	28+72.0	-18.0	76.5	75.9	75.2	75.1	72.3	71.8	68.8	67.6	64.7	61.7	59.5
138	29+21.3	-18.0	7.0	-1.1	-3.7	-9.5	-12.7	-12.8	-6.2	8.3	23.6	23.1	22.8
138A	29+21.3	-18.0	7.0	7.6	7.2	7.2	7.3	7.5	8.3	7.3	7.2	7.0	7.2
139	29+28.3	-18.9	7.0	-2.4	-2.8	-9.1	-10.3	-13.1	-3.2	13.4	22.5	21.8	21.3
140	29+37.3	-20.0	7.0	1.7	-2.0	-5.2	-10.6	-4.4	4.5	16.8	17.8	16.9	16.3
141	29+70.0	-20.0	7.0	6.5	5.9	2.2	6.9	8.3	14.1	19.0	19.0	17.5	18.3
141A	29+70.0	-20.0	7.0	7.2	7.4	7.1	7.4	5.5	7.5	7.3	7.2	6.9	7.0
142	30+10.0	-20.0	7.0	7.3	7.3	7.8	7.5	7.5	7.2	7.1	7.5	6.6	6.8
143	30+57.9	-27.0	7.0	7.3	7.4	7.8	7.8	7.8	7.1	7.2	7.4	7.0	6.6
144	30+66.4	-27.0	7.0	7.3	8.0	7.8	7.6	7.6	7.4	7.0	7.3	3.1	6.9
145	30+14.4	-27.0	7.0	6.6	7.3	6.2	5.5	3.6	2.7	-0.4	-3.9	-4.2	-4.4
146	30+22.9	-27.0	7.0	7.3	11.0	14.4	16.9	20.9	25.5	27.7	27.4	26.0	25.3
147	30+23.9	-34.0	7.0	7.7	8.5	9.3	10.9	11.7	13.5	13.9	14.3	13.9	13.3
148	30+23.9	-34.0	7.0	7.3	8.7	9.5	10.5	12.8	14.3	15.4	15.4	15.5	14.9
149	30+23.9	-34.0	7.0	7.8	8.8	9.7	11.6	13.3	15.5	16.6	16.9	16.3	15.8
150	30+23.9	-34.0	7.0	7.6	8.7	10.8	14.0	17.9	18.7	20.8	22.0	20.6	16.4
151	30+23.9	-34.0	7.0	7.6	9.0	10.9	14.2	17.5	20.0	20.5	21.5	20.0	20.5
152	30+67.4	-34.0	7.0	7.1	7.4	8.8	7.4	7.2	7.4	7.2	7.6	6.7	6.7
153	30+67.4	-34.0	7.0	7.3	7.3	7.4	7.4	7.4	7.1	7.0	7.2	6.5	6.6
154	30+67.4	-34.0	7.0	7.2	5.7	6.0	6.3	6.1	5.8	5.3	5.9	6.0	5.9
155	30+67.4	-34.0	7.0	7.1	7.1	7.3	7.3	7.4	7.6	7.6	6.9	7.3	6.8

Average Piezometer Readings, Prototype Feet of Water

.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T=240 LC=61.1	T=300 LC=56.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T L
	74.9	73.7	72.8	71.1	70.1	67.0	64.0	59.7	54.8	50.8	47.1	43.8	38.8	35.8	32.8	2
	65.7	61.4	55.1	49.9	44.5	39.6	37.1	33.9	33.5	30.1	27.6	26.9	24.5	22.3	20.3	1
	61.9	55.3	46.2	38.1	33.1	23.8	22.3	20.7	20.1	18.8	18.2	16.9	17.7	15.3	14.5	1
	63.1	57.9	49.4	43.0	36.7	31.6	28.8	28.2	26.2	23.2	23.1	20.2	20.7	17.7	16.3	1
	75.3	74.4	73.9	73.9	73.2	72.7	72.3	61.4	55.8	50.4	46.3	41.1	36.2	33.5	30.1	2
	64.0	58.5	47.4	40.8	34.3	28.6	26.8	25.4	24.1	21.7	20.6	19.1	18.3	16.7	15.7	1
	72.5	71.9	69.0	67.9	65.1	61.6	59.3	55.1	51.1	47.2	43.5	39.5	36.4	33.3	30.5	2
	59.9	53.0	44.8	37.0	31.2	25.6	23.9	22.8	21.1	20.1	18.2	17.8	17.2	15.5	15.1	1
	72.4	72.2	69.2	67.7	65.0	61.8	59.6	55.4	51.3	47.1	43.2	40.1	36.4	33.5	30.6	2
	60.5	53.2	44.7	36.6	30.4	24.6	22.4	21.5	20.0	19.1	18.3	16.8	16.7	14.9	14.1	1
	72.3	71.8	68.8	67.6	64.7	61.7	59.5	55.1	51.2	47.2	43.4	39.5	36.2	33.1	30.2	2
	-12.7	-12.8	-6.2	8.3	23.6	23.1	22.8	20.9	20.1	19.1	18.5	19.0	16.3	15.4	14.1	1
	7.3	7.5	8.3	7.3	7.2	7.0	7.2	7.2	7.2	7.3	7.0	6.9	7.3	7.5	6.9	7
	-10.3	-13.1	-3.2	13.4	22.5	21.8	21.3	20.7	19.8	18.3	18.2	16.3	16.0	15.3	14.2	1
	-10.6	-4.4	4.5	16.8	17.8	16.9	16.3	16.0	15.5	14.6	14.1	13.4	13.0	12.3	11.7	1
	6.9	8.3	14.1	19.0	19.0	17.5	18.3	16.6	15.6	15.2	14.4	13.7	10.0	12.5	11.8	1
	7.4	5.5	7.5	7.3	7.2	6.9	7.0	6.9	6.9	7.4	6.9	6.7	7.0	7.3	7.0	6
	7.5	7.5	7.2	7.1	7.5	6.6	6.8	6.8	7.0	6.7	7.5	6.8	6.8	6.8	7.0	6
	7.8	7.8	7.1	7.2	7.4	7.0	6.6	6.8	7.3	6.9	7.0	6.7	6.9	6.8	6.8	6
	7.6	7.6	7.4	7.0	7.3	3.1	6.9	6.7	6.7	7.3	7.3	6.9	6.9	7.0	7.2	7
	5.5	3.6	2.7	-0.4	-3.9	-4.2	-4.4	-2.6	-3.1	-0.8	-0.2	0.9	1.2	2.5	2.5	4
	16.9	20.9	25.5	27.7	27.4	26.0	25.3	24.2	22.6	21.7	20.5	20.3	18.0	16.7	15.6	1
	10.9	11.7	13.5	13.9	14.3	13.9	13.3	13.4	12.7	13.2	12.3	12.3	11.5	11.3	10.4	1
	10.5	12.8	14.3	15.4	15.4	15.5	14.9	14.0	14.0	13.2	12.8	12.3	11.9	11.7	11.0	1
	11.6	13.3	15.5	16.6	16.9	16.3	15.8	16.0	15.0	14.1	13.7	12.9	12.4	11.9	11.7	1
	14.0	17.9	18.7	20.8	22.0	20.6	16.4	19.5	18.6	17.7	16.8	15.6	15.7	14.3	13.6	1
	14.2	17.5	20.0	20.5	21.5	20.0	20.5	18.3	17.3	17.6	16.2	14.8	14.6	13.6	13.3	1
	7.4	7.2	7.4	7.2	7.6	6.7	6.7	6.9	9.4	6.8	7.3	6.9	6.8	6.9	7.5	7
	7.4	7.4	7.1	7.0	7.2	6.5	6.6	6.5	4.6	6.8	6.8	6.8	6.8	7.0	6.8	6
	6.3	6.1	5.8	6.3	5.9	6.0	5.9	5.9	5.7	5.8	5.9	6.0	6.1	6.4	6.3	6
	7.3	7.4	7.6	7.6	6.9	7.3	6.8	6.6	6.5	6.8	6.5	7.8	6.8	6.6	6.7	6

eadings, Prototype Feet of Water

=360 C=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T=780 LC=26.6	T=840 LC=23.9	T=900 LC=21.3	T=1020 LC=17.3	T=1260 LC=11.3	T=1500 LC=7.9	T=1740 LC=7.0
0.8	47.1	43.8	38.8	35.8	32.8	29.7	26.4	24.3	21.4	16.9	11.0	7.8	7.0
0.1	27.6	26.9	24.5	22.3	20.3	19.2	17.7	16.3	15.2	12.6	9.3	7.4	7.0
8.8	18.2	16.9	17.7	15.3	14.5	14.2	12.6	12.2	11.7	10.0	8.2	7.1	7.0
3.2	23.1	20.2	20.7	17.7	16.3	15.9	15.3	14.5	12.6	10.8	8.4	7.4	7.0
0.4	46.3	41.1	36.2	33.5	30.1	27.6	25.0	22.1	20.5	17.0	10.5	7.5	7.0
1.7	20.6	19.1	18.3	16.7	15.7	14.5	13.9	12.7	11.8	10.7	8.8	7.3	7.0
7.2	43.5	39.5	36.4	33.3	30.5	27.7	25.2	22.7	20.6	16.4	10.6	7.7	7.0
0.1	18.2	17.8	17.2	15.5	15.1	14.2	13.6	12.4	11.6	10.5	8.3	7.3	7.0
7.1	43.2	40.1	36.4	33.5	30.6	27.9	24.9	22.8	20.0	16.3	10.9	7.8	7.0
9.1	18.3	16.8	16.7	14.9	14.1	13.2	12.8	11.7	11.2	10.3	8.6	7.1	7.0
7.2	43.4	39.5	36.2	33.1	30.2	27.9	25.2	22.5	20.1	16.4	10.8	7.7	7.0
9.1	18.5	19.0	16.3	15.4	14.1	13.2	12.4	12.1	11.0	10.2	8.3	7.3	7.0
.3	7.0	6.9	7.3	7.5	6.9	7.7	7.0	7.2	7.5	7.1	7.6	7.0	7.0
8.3	18.2	16.3	16.0	15.3	14.2	13.2	12.6	12.1	11.5	10.6	8.9	7.9	7.0
4.6	14.1	13.4	13.0	12.3	11.7	10.6	10.7	10.1	10.2	9.3	7.8	7.3	7.0
5.2	14.4	13.7	10.0	12.5	11.8	11.5	10.6	11.0	9.9	9.6	8.3	7.3	7.0
.4	6.9	6.7	7.0	7.3	7.0	6.8	7.4	6.8	7.5	6.9	6.9	7.3	7.0
.7	7.5	6.8	6.8	6.8	7.0	6.7	6.8	7.6	6.8	6.9	6.7	7.0	7.0
.9	7.0	6.7	6.9	6.8	6.8	6.9	7.0	7.3	6.8	7.0	7.5	7.3	7.0
.3	7.3	6.9	6.9	7.0	7.2	7.0	4.7	7.2	7.2	7.0	7.4	7.2	7.0
0.8	-0.2	0.9	1.2	2.5	2.5	4.0	3.7	4.6	5.1	6.3	6.8	6.8	7.0
1.7	20.5	20.3	18.0	16.7	15.6	14.4	13.4	12.6	11.8	10.6	8.5	7.1	7.0
3.2	12.3	12.3	11.5	11.3	10.4	10.6	9.6	9.7	9.8	9.0	7.7	7.2	7.0
3.2	12.8	12.3	11.9	11.7	11.0	10.8	10.1	9.8	9.5	9.1	7.4	6.9	7.0
4.1	13.7	12.9	12.4	11.9	11.7	11.0	10.4	10.0	9.9	8.9	8.1	7.0	7.0
7.7	16.8	15.6	15.7	14.3	13.6	13.3	12.0	11.7	10.9	10.1	10.0	7.6	7.0
7.6	16.2	14.8	14.6	13.6	13.3	12.7	12.6	11.4	10.8	9.8	8.2	7.8	7.0
6.8	7.3	6.9	6.8	6.9	7.5	7.0	7.3	7.5	7.0	7.0	7.4	7.0	7.0
6.8	6.8	6.8	6.8	7.0	6.8	6.9	7.0	7.3	7.1	7.0	7.2	7.3	7.0
6.8	5.9	6.0	6.1	6.4	6.3	6.5	6.3	6.5	6.8	7.1	7.0	6.7	7.0
6.8	6.5	7.8	6.8	6.6	6.7	6.6	6.6	6.5	6.5	6.6	6.7	6.8	7.0

Table A19 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.5	T=30 LC=76.1	T=45 LC=75.8	T=60 LC=74.9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.
156	30+67.4	-34.0	7.0	7.7	7.5	7.5	7.7	7.4	7.5	7.1	6.9	6.8	6.7
157	30+16.8	-29.5	7.0	6.9	6.3	6.7	6.3	4.0	2.6	2.4	-6.7	-11.1	-9.5
158	30+31.0	-29.5	7.0	6.9	6.6	4.3	-0.1	-5.4	-6.0	-10.5	-7.2	-6.6	-5.9
159	30+60.3	-29.5	7.0	7.0	7.2	7.3	7.2	7.4	7.1	7.1	7.1	7.2	7.0
160	30+74.5	-29.5	7.0	7.1	7.2	7.5	7.3	7.3	7.2	7.1	7.0	7.0	6.8
161	22+57.6	-24.0	76.5	74.8	73.4	70.9	66.2	61.4	58.1	55.9	51.8	48.9	46.9
162	22+57.6	-26.4	76.5	75.8	74.6	73.0	69.9	66.6	62.9	59.3	56.4	52.3	48.4
163	22+60.6	-24.0	76.5	75.4	74.1	72.2	68.5	61.9	55.9	52.5	48.3	45.6	44.2
164	22+60.6	-26.4	76.5	75.4	73.9	72.1	68.1	61.6	56.0	52.6	48.2	45.3	44.2
165	29+25.8	-32.3	7.0	-5.5	-10.0	-20.3	-24.4	-26.0	-14.1	3.0	12.1	13.2	12.6
166	29+28.8	-33.0	7.0	0.0	0.1	-2.9	-3.9	-4.7	4.0	15.3	20.2	20.6	20.1
167	29+31.8	-33.7	7.0	2.1	3.5	5.1	4.5	4.2	11.6	21.4	24.2	24.7	24.5

Average Piezometer Readings, Prototype Feet of Water

9	T=75 LC=74.4	T=90 LC=73.7	T=105 LC=72.3	T=120 LC=71.1	T=150 LC=68.2	T=180 LC=65.9	T=240 LC=61.1	T=300 LC=56.3	T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T= LC
	7.4	7.5	7.1	6.9	6.8	6.7	6.8	6.6	7.3	6.8	7.4	6.9	7.6	6.9	7.1	7.0
	4.0	2.6	2.4	-6.7	-11.1	-9.5	-9.1	-7.3	-7.2	-4.5	-1.3	-0.9	-0.3	1.1	1.5	2.2
	-5.4	-6.0	-10.5	-7.2	-6.6	-5.9	-3.3	-2.0	-0.6	0.8	1.5	2.2	3.6	4.0	4.0	4.7
	7.4	7.1	7.1	7.1	7.2	7.0	6.8	6.9	7.0	6.9	7.1	7.1	6.8	7.0	7.0	7.1
	7.3	7.2	7.1	7.0	7.0	6.8	6.9	6.9	7.0	6.8	6.8	7.0	6.7	7.0	6.9	6.9
	61.4	58.1	55.9	51.8	48.9	46.9	43.6	41.3	37.7	35.1	31.6	28.3	26.7	23.6	22.2	20.
	66.6	62.9	59.3	56.4	52.3	48.4	43.1	40.1	36.2	33.8	30.3	28.4	26.0	23.9	21.9	19
	61.9	55.9	52.5	48.3	45.6	44.2	41.2	39.2	35.4	33.3	29.9	27.0	25.0	23.1	21.6	19
	61.6	56.0	52.6	48.2	45.3	44.2	41.5	39.5	35.7	33.3	29.8	27.4	24.9	23.1	21.5	19
	-26.0	-14.1	3.0	12.1	13.2	12.6	12.2	11.7	11.8	11.5	11.0	10.9	10.2	10.0	9.8	9.5
	-4.7	4.0	15.3	20.2	20.6	20.1	18.9	17.8	17.0	16.2	15.0	14.7	13.6	12.8	12.5	11.
	4.2	11.6	21.4	24.2	24.7	24.5	23.1	21.8	20.7	20.1	18.3	17.9	16.7	15.4	15.0	14.

er Readings, Prototype Feet of Water

T=360 LC=51.8	T=420 LC=47.6	T=480 LC=43.5	T=540 LC=39.8	T=600 LC=36.4	T=660 LC=32.9	T=720 LC=29.5	T=780 LC=26.6	T=840 LC=23.9	T=900 LC=21.3	T=1020 LC=17.3	T=1260 LC=11.3	T=1500 LC=7.9	T=1740 LC=7.0
7.3	6.8	7.4	6.9	7.6	6.9	7.1	7.0	7.1	7.3	7.6	6.7	7.2	7.0
-7.2	-4.5	-1.3	-0.9	-0.3	1.1	1.5	2.2	3.8	4.9	6.0	6.1	6.9	7.0
-0.6	0.8	1.5	2.2	3.6	4.0	4.0	4.7	5.7	5.6	6.4	6.7	7.2	7.0
7.0	6.9	7.1	7.1	6.8	7.0	7.0	7.1	6.9	7.0	7.0	6.9	7.1	7.0
7.0	6.8	6.8	7.0	6.7	7.0	6.9	6.9	7.0	6.9	7.0	6.8	7.1	7.0
37.7	35.1	31.6	28.3	26.7	23.6	22.2	20.4	18.1	16.7	13.9	10.7	7.7	7.0
36.2	33.8	30.3	28.4	26.0	23.9	21.9	19.9	18.0	16.5	13.9	10.1	7.8	7.0
35.4	33.3	29.9	27.0	25.0	23.1	21.6	19.5	17.4	15.8	13.1	9.9	7.4	7.0
35.7	33.3	29.8	27.4	24.9	23.1	21.5	19.0	16.9	15.0	12.7	9.6	7.7	7.0
11.8	11.5	11.0	10.9	10.2	10.0	9.8	9.5	9.5	9.0	8.6	7.9	7.1	7.0
17.0	16.2	15.0	14.7	13.6	12.8	12.5	11.7	11.2	10.5	9.6	7.9	7.1	7.0
20.7	20.1	18.3	17.9	16.7	15.4	15.0	14.2	13.3	12.7	10.9	8.3	7.0	7.0

Table A20
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Uppe

Piezometer Location													
No.	Station	Ele-vation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=76.2	T=45 LC=76.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9
15	22+52.1	-17.0	76.5	76.1	74.8	74.5	73.5	72.0	69.7	67.6	65.3	60.6	54.4
15A	22+52.1	-17.0	76.5	75.9	75.8	75.7	75.5	75.4	75.0	75.0	74.2	74.1	73.7
16	21+53.5	-17.0	76.5	76.2	74.8	74.7	73.1	71.9	69.5	66.8	64.7	58.9	52.9
17	22+59.1	-16.9	76.5	75.8	75.1	75.0	73.8	72.7	70.4	67.9	65.2	59.5	53.1
18	22+62.6	-16.8	76.5	75.8	74.9	74.7	73.1	71.5	69.5	67.3	64.3	59.0	52.4
19	22+69.1	-16.6	76.5	75.8	74.5	74.2	72.8	71.4	69.6	66.4	64.1	59.2	52.4
20	22+76.6	-16.5	76.5	75.9	74.4	74.5	72.9	71.7	69.5	67.2	64.9	59.2	53.4
21	22+90.6	-16.5	76.5	76.0	74.6	74.4	72.8	71.1	69.3	67.0	64.2	58.6	52.7
21A	22+90.6	-16.5	76.5	76.3	75.3	75.6	74.7	74.2	73.2	72.3	70.7	67.7	64.7
22	23+50.0	-16.5	76.5	75.4	74.5	74.2	72.7	71.0	69.1	66.6	64.4	59.3	53.0
23	24+50.0	-16.5	76.5	76.1	74.8	74.6	73.0	71.6	69.7	67.2	64.9	60.6	56.3
24	25+50.0	-16.5	76.5	76.0	75.1	74.5	73.2	71.6	70.1	66.6	64.4	58.9	52.6
24A	25+50.0	-16.5	76.5	76.4	75.9	75.9	74.8	74.3	73.0	72.3	70.7	68.5	64.0
25	26+04.3	-24.25	76.5	75.8	74.9	74.4	72.6	71.0	69.4	65.6	64.2	59.9	51.0
26	25+95.9	-24.25	76.5	76.3	74.7	74.3	72.4	71.1	68.9	65.6	62.7	55.9	49.2
27	26+09.2	-17.0	76.5	76.2	74.6	74.5	72.5	70.7	68.2	64.4	61.9	54.2	46.2
27A	26+09.2	-17.0	76.5	76.2	75.7	75.6	74.5	74.2	73.1	71.9	70.7	67.8	64.0
28	26+01.3	-20.1	76.5	76.2	74.9	74.1	71.7	69.5	66.4	62.0	57.6	48.2	37.1
29	26+12.4	-20.1	76.5	76.2	76.1	76.2	75.7	75.6	74.7	70.3	66.2	58.8	51.1
30	25+96.0	-20.1	76.5	76.8	74.7	74.0	71.2	68.2	64.4	59.2	54.0	42.5	30.2
31	26+04.5	-20.1	76.5	76.2	75.4	75.3	74.1	72.6	70.9	68.1	65.9	58.9	52.2
32	25+88.1	-20.1	76.5	76.5	75.8	75.5	74.5	74.1	73.6	73.5	72.8	53.5	40.7
33	25+92.6	-20.1	76.5	76.6	76.0	75.8	75.2	74.7	74.8	74.3	74.2	65.9	53.3
34	26+01.3	-28.4	76.5	76.4	75.9	75.6	75.0	74.4	73.4	72.1	71.0	67.8	64.6
35	26+12.4	-28.4	76.5	76.5	76.2	76.2	75.7	75.0	74.2	73.1	71.7	69.0	65.6
36	25+96.0	-28.4	76.5	76.4	76.0	76.0	75.8	75.2	74.7	74.6	74.0	72.9	72.0
37	26+04.1	-28.4	76.5	76.3	76.2	76.1	75.4	75.0	74.0	73.4	72.4	70.6	67.9
38	25+88.1	-28.4	76.5	76.6	76.4	76.4	76.0	75.6	75.4	75.1	74.9	74.0	73.7
39	25+92.6	-28.4	76.5	76.5	75.7	75.7	74.8	74.5	73.6	72.6	71.2	68.7	65.8
40	25+75.0	-24.1	76.5	76.3	76.1	75.9	75.3	74.4	73.1	70.5	68.2	64.8	60.6
41	25+75.0	-24.1	76.5	76.5	76.0	76.2	75.6	75.3	75.0	74.5	73.8	62.7	56.9

During Emptying Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4

Average Piezometer Readings, Prototype Feet of Water

=60 C=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65.1	T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T= L=
3.5	72.0	69.7	67.6	65.3	60.6	54.4	45.3	42.3	37.9	36.4	33.3	30.1	28.0	26.0	2
5.5	75.4	75.0	75.0	74.2	74.1	73.7	73.4	56.1	51.3	45.8	41.4	36.7	32.4	28.7	2
3.1	71.9	69.5	66.8	64.7	58.9	52.9	44.2	41.2	37.3	35.7	32.8	30.3	27.9	25.2	2
3.8	72.7	70.4	67.9	65.2	59.5	53.1	43.5	41.4	36.7	35.3	32.2	29.6	27.3	25.1	2
3.1	71.5	69.5	67.3	64.3	59.0	52.4	43.2	40.9	36.9	35.3	32.6	29.7	27.2	24.9	2
2.8	71.4	69.6	66.4	64.1	59.2	52.4	43.6	41.0	37.8	35.3	32.2	29.3	27.1	25.6	2
2.9	71.7	69.5	67.2	64.9	59.2	53.4	43.8	41.6	37.4	36.0	32.4	29.9	27.9	26.1	2
2.8	71.1	69.3	67.0	64.2	58.6	52.7	43.2	41.2	37.0	35.0	31.9	29.5	27.3	25.1	2
4.7	74.2	73.2	72.3	70.7	67.7	64.7	58.6	54.3	50.8	46.5	43.1	39.1	35.9	32.8	2
2.7	71.0	69.1	66.6	64.4	59.3	53.0	43.4	40.9	37.3	35.6	32.1	30.0	27.6	26.1	2
3.0	71.6	69.7	67.2	64.9	60.6	56.3	46.8	43.4	39.5	37.7	34.0	31.5	28.6	26.7	2
3.2	71.6	70.1	66.6	64.4	58.9	52.6	44.4	40.9	37.7	35.7	32.2	29.5	27.6	25.3	2
4.8	74.3	73.0	72.3	70.7	68.5	64.0	58.9	54.3	50.4	46.1	42.7	39.2	35.7	32.7	2
2.6	71.0	69.4	65.6	64.2	59.9	51.0	41.6	37.1	35.7	33.7	32.1	27.5	24.7	22.9	2
2.4	71.1	68.9	65.6	62.7	55.9	49.2	40.9	36.5	35.0	31.8	29.0	27.2	24.5	22.7	2
2.5	70.7	68.2	64.4	61.9	54.2	46.2	36.1	33.5	30.2	28.9	27.0	25.2	22.9	21.6	1
4.5	74.2	73.1	71.9	70.7	67.8	64.0	58.3	54.1	50.2	45.8	42.4	38.5	35.3	32.5	2
1.7	69.5	66.4	62.0	57.6	48.2	37.1	24.0	21.4	21.6	20.2	19.4	18.0	17.1	16.3	1
5.7	75.6	74.7	70.3	66.2	58.8	51.1	41.4	38.3	35.6	33.2	30.6	28.1	26.1	24.4	2
1.2	68.2	64.4	59.2	54.0	42.5	30.2	14.6	12.5	12.2	10.9	10.6	10.1	9.9	9.7	9
4.1	72.6	70.9	68.1	65.9	58.9	52.2	42.1	39.1	36.7	33.5	31.4	28.8	26.7	24.8	2
4.5	74.1	73.6	73.5	72.8	53.5	40.7	23.9	22.2	21.8	20.3	19.4	18.5	16.9	15.5	1
5.2	74.7	74.8	74.3	74.2	65.9	53.3	43.6	41.2	37.9	34.8	31.3	29.7	28.2	24.8	2
5.0	74.4	73.4	72.1	71.0	67.8	64.6	58.5	53.5	49.9	46.3	42.7	39.3	36.0	32.9	2
5.7	75.0	74.2	73.1	71.7	69.0	65.6	59.7	54.7	51.2	47.1	43.5	40.1	37.1	33.6	3
5.8	75.2	74.7	74.6	74.0	72.9	72.0	64.6	56.7	51.9	47.4	43.6	39.9	36.2	32.4	2
5.4	75.0	74.0	73.4	72.4	70.6	67.9	59.2	53.5	49.3	46.4	43.9	41.7	33.4	31.4	2
6.0	75.6	75.4	75.1	74.9	74.0	73.7	69.6	58.8	54.5	49.0	45.4	41.9	37.9	34.8	3
4.8	74.5	73.6	72.6	71.2	68.7	65.8	60.7	57.0	53.2	49.4	45.9	42.7	34.9	31.4	2
5.3	74.4	73.1	70.5	68.2	64.8	60.6	53.5	47.6	46.1	42.5	38.5	36.2	32.1	29.4	2
5.6	75.3	75.0	74.5	73.8	62.7	56.9	49.0	47.0	43.3	39.0	36.7	34.1	30.8	29.6	2

Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Valve Speed 4 Min (Constant Speed Gate), Single Valve Operation

r Readings, Prototype Feet of Water

0 0.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1	T=780 LC=28.9	T=840 LC=26.0	T=900 LC=23.5	T=1020 LC=18.7	T=1260 LC=11.9	T=1500 LC=8.2	T=1740 LC=7.0
	37.9	36.4	33.3	30.1	28.0	26.0	23.3	21.7	19.9	18.1	14.9	10.7	7.7	7.0
	51.3	45.8	41.4	36.7	32.4	28.7	24.8	21.4	18.3	16.1	14.6	12.9	7.6	7.0
	37.3	35.7	32.8	30.3	27.9	25.2	22.9	21.6	19.5	18.0	15.0	10.4	8.1	7.0
	36.7	35.3	32.2	29.6	27.3	25.1	22.6	21.1	19.1	17.6	15.0	9.6	7.7	7.0
	36.9	35.3	32.6	29.7	27.2	24.9	22.5	21.0	19.0	17.5	14.5	9.9	7.6	7.0
	37.8	35.3	32.2	29.3	27.1	25.6	22.9	21.3	18.8	17.4	14.4	9.8	7.4	7.0
	37.4	36.0	32.4	29.9	27.9	26.1	23.8	21.8	19.8	18.0	15.3	10.8	8.1	7.0
	37.0	35.0	31.9	29.5	27.3	25.1	23.2	20.9	19.0	17.5	14.7	10.2	7.8	7.0
	50.8	46.5	43.1	39.1	35.9	32.8	29.5	27.1	24.5	22.0	18.0	11.7	8.1	7.0
	37.3	35.6	32.1	30.0	27.6	26.1	23.4	21.0	19.5	17.6	14.9	10.3	8.0	7.0
	39.5	37.7	34.0	31.5	28.6	26.7	23.9	22.0	19.8	17.9	14.8	10.2	7.6	7.0
	37.7	35.7	32.2	29.5	27.6	25.3	22.9	21.8	19.5	17.8	15.1	10.6	8.0	7.0
	50.4	46.1	42.7	39.2	35.7	32.7	29.7	27.1	24.0	22.0	17.5	11.6	8.3	7.0
	35.7	33.7	32.1	27.5	24.7	22.9	23.2	21.6	18.1	16.5	15.0	10.5	7.7	7.0
	35.0	31.8	29.0	27.2	24.5	22.7	21.1	19.7	18.2	16.4	14.1	10.1	7.9	7.0
	30.2	28.9	27.0	25.2	22.9	21.6	19.5	18.1	17.2	15.6	13.2	9.3	7.7	7.0
	50.2	45.8	42.4	38.5	35.3	32.5	29.3	26.5	24.1	21.8	17.4	11.3	7.9	7.0
	21.6	20.2	19.4	18.0	17.1	16.3	15.1	14.4	13.7	12.5	11.5	8.8	7.6	7.0
	35.6	33.2	30.6	28.1	26.1	24.4	22.1	20.1	19.0	17.0	14.4	10.1	7.7	7.0
	12.2	10.9	10.6	10.1	9.9	9.7	9.2	9.0	8.5	8.4	8.2	7.4	7.3	7.0
	36.7	33.5	31.4	28.8	26.7	24.8	22.5	20.8	18.9	17.5	14.7	10.1	7.8	7.0
	21.8	20.3	19.4	18.5	16.9	15.5	14.6	14.1	13.4	12.8	11.3	8.6	7.3	7.0
	37.9	34.8	31.3	29.7	28.2	24.8	23.1	21.2	19.6	17.5	14.8	10.5	7.9	7.0
	49.9	46.3	42.7	39.3	36.0	32.9	29.5	26.8	24.5	21.7	17.6	11.6	8.6	7.0
	51.2	47.1	43.5	40.1	37.1	33.6	30.2	27.5	25.0	22.2	18.0	11.6	8.2	7.0
	51.9	47.4	43.6	39.9	36.2	32.4	28.2	25.5	24.2	23.0	20.3	15.8	11.0	7.0
	49.3	46.4	43.9	41.7	33.4	31.4	29.1	27.1	25.4	23.6	14.5	10.3	7.7	7.0
	54.5	49.0	45.4	41.9	37.9	34.8	31.5	28.4	25.6	22.9	18.5	11.8	9.3	7.0
	53.2	49.4	45.9	42.7	34.9	31.4	28.0	25.0	22.6	20.3	16.8	10.3	[illegible]	7.0
	46.1	42.5	38.5	36.2	32.1	29.4	27.6	24.2	22.1	19.6	16.3	11.0	8.1	7.0
	43.3	39.0	36.7	34.1	30.8	29.6	26.2	23.8	21.7	20.1	16.4	11.0	8.1	7.0

Table A20 (Continued)

Piezometer Location														Average
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=76.2	T=45 LC=76.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65
42	25+70.0	-24.0	76.5	76.1	75.9	75.9	75.2	75.2	74.6	74.3	74.0	72.7	69.6	58.5
43	25+70.0	-24.0	76.5	76.6	76.3	76.0	75.5	74.6	74.4	73.2	72.9	71.4	67.1	59.1
44	25+65.0	-23.1	76.5	76.1	75.2	75.0	73.8	73.1	71.5	70.9	68.3	63.8	59.3	52.5
45	25+65.0	-23.1	76.5	76.6	76.5	76.2	76.2	76.0	75.9	75.6	75.5	75.4	74.5	74.1
46	25+65.0	-23.1	76.5	76.4	76.1	76.2	76.0	75.8	75.5	75.8	75.3	75.2	74.9	60.8
47	25+60.0	-22.7	76.5	76.4	75.6	75.7	74.7	73.7	72.8	71.1	69.1	65.6	61.2	54.1
48	25+60.0	-22.7	76.5	76.3	75.9	75.7	74.8	73.9	73.0	71.2	69.4	65.5	61.4	54.6
49	25+60.0	-22.7	76.5	76.6	75.6	75.3	74.4	73.6	72.9	71.3	69.4	65.6	61.4	54.9
50	25+60.0	-22.7	76.5	76.0	75.4	75.3	74.1	73.3	72.4	70.7	68.8	65.1	61.1	54.0
51	25+50.0	-22.1	76.5	76.2	75.4	75.5	74.7	73.8	72.9	71.5	70.0	65.9	61.7	54.9
52	25+50.0	-22.1	76.5	76.4	75.6	75.6	74.6	73.9	72.9	71.1	69.8	66.2	62.1	55.8
53	25+50.0	-22.1	76.5	76.4	76.3	76.2	75.5	75.2	75.5	74.5	74.3	73.4	72.4	62.1
54	25+50.0	-22.1	76.5	76.2	75.7	75.7	74.6	73.9	72.7	71.1	69.7	66.1	62.3	55.7
55	25+40.0	-21.5	76.5	76.6	75.7	75.6	74.9	74.0	73.1	71.4	69.7	66.1	61.7	54.8
56	25+40.0	-21.5	76.5	76.3	76.1	75.9	75.1	74.6	73.9	72.6	71.7	69.1	66.2	61.0
57	25+40.0	-21.5	76.5	76.4	75.8	75.6	74.9	74.1	73.1	71.8	70.1	66.6	62.5	56.4
58	25+40.0	-21.5	76.5	76.5	76.2	76.1	75.8	75.3	74.1	72.5	70.9	67.7	63.5	56.3
59	25+30.0	-20.9	76.5	76.4	75.8	75.7	74.9	74.2	73.4	72.0	70.6	67.5	64.3	57.7
60	25+30.0	-20.9	76.5	76.7	75.8	75.9	75.1	74.0	73.2	71.7	70.1	66.8	63.0	56.7
61	25+30.0	-20.9	76.5	76.5	75.8	75.6	74.9	73.9	73.0	71.3	70.1	66.5	62.3	53.9
62	25+30.0	-20.9	76.5	76.4	75.9	75.8	75.0	74.3	73.2	71.8	70.4	67.2	63.8	57.1
63	25+25.0	-20.9	76.5	76.5	75.8	75.6	75.2	74.3	73.2	72.1	70.4	67.0	62.9	57.0
64	25+25.0	-20.6	76.5	76.2	75.9	75.3	74.7	74.1	73.1	71.5	70.3	66.8	62.8	56.2
65	25+25.0	-20.6	76.5	76.4	76.1	76.0	75.2	74.0	72.8	71.5	69.7	65.9	60.6	53.5
66	25+25.0	-20.6	76.5	76.5	75.8	75.6	74.9	74.3	73.3	72.0	70.7	67.6	64.0	58.3
68	25+23.0	-20.6	76.5	76.5	76.4	76.1	75.8	75.1	75.0	74.2	73.3	71.6	69.7	64.7
69	25+23.0	-20.6	76.5	76.4	76.0	75.6	74.5	73.7	72.5	70.5	68.7	64.4	60.4	53.1
70	25+23.0	-20.6	76.5	76.2	75.4	75.4	74.7	73.9	73.0	71.5	69.9	66.3	63.0	56.6
71	25+10.2	-24.25	76.5	76.6	76.3	76.1	76.3	75.8	75.8	75.4	74.9	73.4	71.2	64.9
71A	25+10.2	-24.25	76.5	76.7	76.1	76.0	75.6	74.4	73.5	72.3	70.9	67.5	64.0	58.0
72	25+00.2	-24.25	76.5	76.6	76.2	76.0	75.5	75.1	74.2	73.1	71.7	68.9	65.9	60.3

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65.1	T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7
75.2	75.2	74.6	74.3	74.0	72.7	69.6	58.5	53.3	49.3	44.6	41.0	38.0	34.9	32.1
75.5	74.6	74.4	73.2	72.9	71.4	67.1	59.1	54.0	49.9	45.9	41.8	38.7	35.3	31.8
73.8	73.1	71.5	70.9	68.3	63.8	59.3	52.5	48.5	44.5	41.7	38.1	35.4	33.0	29.6
76.2	76.0	75.9	75.6	75.5	75.4	74.5	74.1	73.2	72.4	71.6	70.8	41.3	36.3	32.6
76.0	75.8	75.5	75.8	75.3	75.2	74.9	60.8	55.4	51.2	47.0	43.2	39.3	36.0	32.7
74.7	73.7	72.8	71.1	69.1	65.6	61.2	54.1	49.6	46.3	42.6	39.2	36.1	33.1	30.1
74.8	73.9	73.0	71.2	69.4	65.5	61.4	54.6	50.2	46.6	43.2	39.7	36.5	33.5	30.3
74.4	73.6	72.9	71.3	69.4	65.6	61.4	54.9	50.4	47.0	43.1	39.9	36.9	33.7	30.2
74.1	73.3	72.4	70.7	68.8	65.1	61.1	54.0	49.8	46.5	43.1	39.6	36.3	33.4	30.3
74.7	73.8	72.9	71.5	70.0	65.9	61.7	54.9	50.8	47.0	43.3	39.8	36.6	33.9	30.5
74.6	73.9	72.9	71.1	69.8	66.2	62.1	55.8	52.0	48.8	45.9	43.4	40.7	38.7	37.0
75.5	75.2	75.5	74.5	74.3	73.4	72.4	62.1	55.9	51.4	47.7	43.7	39.7	36.5	33.0
74.6	73.9	72.7	71.1	69.7	66.1	62.3	55.7	51.4	47.7	44.2	40.5	37.0	34.1	31.1
74.9	74.0	73.1	71.4	69.7	66.1	61.7	54.8	50.6	47.0	43.5	39.7	36.6	33.5	30.9
75.1	74.6	73.9	72.6	71.7	69.1	66.2	61.0	56.1	52.0	48.0	44.0	40.4	36.8	33.6
74.9	74.1	73.1	71.8	70.1	66.6	62.5	56.4	51.5	48.0	44.4	40.6	37.4	34.1	31.3
75.8	75.3	74.1	72.5	70.9	67.7	63.5	56.3	52.3	48.6	44.7	41.0	37.8	34.4	31.5
74.9	74.2	73.4	72.0	70.6	67.5	64.3	57.7	53.0	49.3	45.5	42.0	38.6	35.2	32.0
75.1	74.0	73.2	71.7	70.1	66.8	63.0	56.7	52.0	48.6	44.4	40.4	37.3	34.2	30.9
74.9	73.9	73.0	71.3	70.1	66.5	62.3	53.9	51.1	44.6	43.9	39.7	36.8	32.9	30.8
75.0	74.3	73.2	71.8	70.4	67.2	63.8	57.1	52.9	48.9	45.3	41.6	38.1	34.9	31.9
75.2	74.3	73.2	72.1	70.4	67.0	62.9	57.0	52.7	49.2	44.8	40.9	37.9	34.5	31.4
74.7	74.1	73.1	71.5	70.3	66.8	62.8	56.2	52.1	48.2	44.5	40.8	37.7	34.3	31.1
75.2	74.0	72.8	71.5	69.7	65.9	60.6	53.5	48.5	47.3	42.2	39.5	36.0	32.8	29.9
74.9	74.3	73.3	72.0	70.7	67.6	64.0	58.3	53.7	50.0	45.8	42.1	38.7	35.3	32.0
75.8	75.1	75.0	74.2	73.3	71.6	69.7	64.7	59.9	55.3	50.9	46.5	42.5	38.9	35.4
74.5	73.7	72.5	70.5	68.7	64.4	60.4	53.1	48.8	45.0	42.0	38.5	35.5	32.2	29.5
74.7	73.9	73.0	71.5	69.9	66.3	63.0	56.6	51.8	48.5	44.4	40.9	37.6	34.1	31.3
76.3	75.8	75.8	75.4	74.9	73.4	71.2	64.9	59.9	55.3	50.9	46.8	43.2	40.3	37.2
75.6	74.4	73.5	72.3	70.9	67.5	64.0	58.0	54.7	51.5	48.6	42.9	40.1	37.3	35.6
75.5	75.1	74.2	73.1	71.7	68.9	65.9	60.3	55.5	51.6	47.1	43.6	40.0	36.8	33.2

eter Readings, Prototype Feet of Water

=300 C=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1	T=780 LC=28.9	T=840 LC=26.0	T=900 LC=23.5	T=1020 LC=18.7	T=1260 LC=11.9	T=1500 LC=8.2	T=1740 LC=7.0
3.3	49.3	44.6	41.0	38.0	34.9	32.1	29.4	26.6	24.7	22.0	18.1	12.0	8.9	7.0
4.0	49.9	45.9	41.8	38.7	35.3	31.8	28.8	26.2	24.1	21.6	17.6	11.6	8.4	7.0
3.5	44.5	41.7	38.1	35.4	33.0	29.6	26.6	24.6	22.6	20.3	16.6	11.2	9.3	7.0
3.2	72.4	71.6	70.8	41.3	36.3	32.6	29.8	27.1	24.7	22.2	18.0	11.6	8.2	7.0
5.4	51.2	47.0	43.2	39.3	36.0	32.7	29.6	27.0	24.7	22.1	17.9	11.6	8.2	7.0
9.6	46.3	42.6	39.2	36.1	33.1	30.1	27.2	25.1	23.3	20.8	16.9	11.3	8.0	7.0
0.2	46.6	43.2	39.7	36.5	33.5	30.3	27.7	25.2	23.1	20.8	16.8	11.5	7.9	7.0
0.4	47.0	43.1	39.9	36.9	33.7	30.2	27.7	25.1	23.3	20.5	17.1	11.1	7.8	7.0
9.8	46.5	43.1	39.6	36.3	33.4	30.3	27.8	25.1	22.9	20.6	17.1	11.2	8.0	7.0
0.8	47.0	43.3	39.8	36.6	33.9	30.5	27.8	25.4	23.5	21.0	17.3	11.5	8.2	7.0
2.0	48.8	45.9	43.4	40.7	38.7	37.0	34.9	31.6	27.5	24.8	18.7	12.2	8.5	7.0
5.9	51.4	47.7	43.7	39.7	36.5	33.0	30.0	27.3	24.7	22.3	17.8	11.8	8.2	7.0
1.4	47.7	44.2	40.5	37.0	34.1	31.1	28.1	25.7	23.8	21.0	17.2	11.3	8.2	7.0
0.6	47.0	43.5	39.7	36.6	33.5	30.9	28.1	25.4	23.3	21.0	17.2	11.2	7.7	7.0
6.1	52.0	48.0	44.0	40.4	36.8	33.6	30.3	27.5	24.9	22.2	18.1	11.8	8.2	7.0
1.5	48.0	44.4	40.6	37.4	34.1	31.3	28.4	26.0	23.2	21.1	17.1	11.2	8.1	7.0
2.3	48.6	44.7	41.0	37.8	34.4	31.5	28.8	26.1	23.6	21.2	17.2	11.4	7.9	7.0
3.0	49.3	45.5	42.0	38.6	35.2	32.0	29.3	26.7	24.0	21.9	17.7	11.7	8.3	7.0
2.0	48.6	44.4	40.4	37.3	34.2	30.9	28.0	25.5	23.2	20.8	16.7	10.9	8.4	7.0
1.1	44.6	43.9	39.7	36.8	32.9	30.8	28.2	26.1	23.2	21.1	17.1	11.3	8.1	7.0
2.9	48.9	45.3	41.6	38.1	34.9	31.9	29.1	26.3	24.0	21.8	17.7	11.8	8.5	7.0
2.7	49.2	44.8	40.9	37.9	34.5	31.4	28.5	25.9	23.4	21.2	17.5	11.4	8.1	7.0
2.1	48.2	44.5	40.8	37.7	34.3	31.1	28.7	26.1	23.5	21.4	17.3	11.3	8.2	7.0
8.5	47.3	42.2	39.5	36.0	32.8	29.9	27.0	25.1	23.2	20.4	17.0	11.4	8.1	7.0
3.7	50.0	45.8	42.1	38.7	35.3	32.0	29.2	26.4	24.1	21.7	17.8	11.5	8.0	7.0
9.9	55.3	50.9	46.5	42.5	38.9	35.4	31.9	29.0	25.8	23.4	18.3	11.8	8.2	7.0
8.8	45.0	42.0	38.5	35.5	32.2	29.5	26.9	24.2	22.1	20.3	16.4	11.1	8.0	7.0
1.8	48.5	44.4	40.9	37.6	34.1	31.3	28.3	26.1	23.5	21.4	17.1	11.3	7.8	7.0
9.9	55.3	50.9	46.8	43.2	40.3	37.2	33.0	28.6	26.3	22.3	18.1	11.8	8.2	7.0
4.7	51.5	48.6	42.9	40.1	37.3	35.6	33.1	32.4	32.3	26.8	25.1	10.4	7.7	7.0
5.5	51.6	47.1	43.6	40.0	36.8	33.2	30.0	27.4	24.7	22.4	18.3	11.8	8.2	7.0

Table A20 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=76.2	T=45 LC=76.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9
73	24+90.2	-24.25	76.5	76.5	76.2	76.1	75.7	75.4	75.2	74.5	74.1	73.1	72.6
74	24+80.2	-24.25	76.5	76.6	76.4	76.0	75.8	75.1	74.4	73.1	72.4	69.6	66.7
75	24+70.2	-24.25	76.5	76.4	76.3	76.1	75.6	75.1	74.2	73.5	72.5	70.0	67.4
76	24+60.2	-24.25	76.5	76.6	76.4	76.1	75.6	74.9	74.0	73.4	73.0	70.5	68.1
77	24+50.2	-24.25	76.5	76.5	76.4	75.8	75.9	75.3	74.2	73.3	72.9	70.9	68.1
78	24+40.2	-24.25	76.5	76.4	76.5	76.0	75.9	75.2	74.5	73.9	72.8	71.1	68.5
79	24+30.2	-24.25	76.5	75.8	75.9	75.8	75.6	75.1	74.6	74.0	73.4	72.0	70.6
79A	24+30.2	-24.25	76.5	76.6	76.3	76.1	75.7	75.1	74.5	73.8	72.9	70.5	68.0
80	26+17.0	-28.4	76.5	76.4	74.8	74.4	72.5	70.4	67.7	63.7	60.2	51.8	42.2
81	26+06.0	-28.4	76.5	76.2	75.1	74.9	73.5	72.0	70.3	67.7	65.8	60.2	54.1
82	26+22.4	-28.4	76.5	76.2	74.8	74.2	72.2	70.4	67.3	64.1	60.0	51.7	42.5
83	26+13.9	-28.4	76.5	75.5	74.6	74.6	73.1	71.7	70.2	67.7	65.6	59.8	53.9
84	26+30.3	-28.4	76.5	76.0	75.0	74.5	72.1	70.6	67.3	63.9	60.3	51.7	42.6
85	26+25.7	-28.4	76.5	76.1	75.0	74.9	73.3	72.0	70.2	67.7	65.5	59.9	53.8
86	26+17.0	-20.1	76.5	76.2	75.8	75.6	75.2	74.6	73.4	72.3	70.8	67.8	64.6
87	26+06.0	-20.1	76.5	76.4	75.6	75.8	74.9	74.3	73.5	72.2	70.6	67.9	64.5
88	26+22.4	-20.1	76.5	76.3	75.6	75.5	74.7	74.5	73.4	72.2	70.6	67.7	64.5
89	26+13.9	-20.1	76.5	76.1	75.6	75.7	75.1	74.3	73.3	72.0	70.9	67.7	64.6
90	26+30.3	-20.1	76.5	76.6	75.9	76.0	75.1	74.5	73.6	72.2	70.8	67.9	64.5
91	26+25.7	-20.1	76.5	76.4	75.9	75.8	75.1	74.6	73.4	72.1	70.7	67.7	64.7
92	26+43.3	-24.1	76.5	76.5	76.0	75.7	75.2	74.0	72.7	71.1	69.3	65.9	61.2
93	26+43.3	-24.1	76.5	76.3	75.7	75.5	74.6	73.6	72.5	70.9	69.4	65.2	60.6
94	26+48.3	-24.0	76.5	76.6	75.9	75.9	74.6	73.9	72.4	71.1	69.3	65.7	62.1
95	26+48.3	-24.0	76.5	76.0	75.5	75.2	74.4	73.5	72.3	71.0	69.6	66.0	62.2
96	26+53.3	-23.1	76.5	76.3	76.5	76.2	75.5	74.9	74.5	73.2	71.6	68.2	63.5
97	26+53.3	-23.1	76.5	76.4	75.7	75.5	74.8	73.5	72.6	70.9	69.0	65.4	61.0
98	26+53.3	-23.1	76.5	76.5	76.2	76.2	76.4	76.1	76.1	75.7	74.9	71.0	65.5
99	26+58.3	-22.7	76.5	76.1	76.1	75.8	75.7	76.0	75.7	75.4	75.1	74.3	69.7
100	26+58.3	-22.7	76.5	76.2	75.4	75.3	74.5	73.8	72.5	70.9	69.4	66.1	61.8
101	26+58.3	-22.7	76.5	76.2	75.4	75.4	74.4	73.4	72.4	70.7	69.4	65.7	62.0
102	26+58.3	-22.7	76.5	76.7	75.9	76.1	75.4	74.2	73.2	72.0	70.2	66.6	63.0

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65.1	T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7
75.7	75.4	75.2	74.5	74.1	73.1	72.6	71.9	60.1	54.6	50.0	45.5	41.4	38.1	34.3
75.8	75.1	74.4	73.1	72.4	69.6	66.7	61.8	56.6	52.6	48.2	44.7	40.8	37.1	33.3
75.6	75.1	74.2	73.5	72.5	70.0	67.4	62.3	57.4	53.2	48.8	44.9	41.1	37.7	34.1
75.6	74.9	74.0	73.4	73.0	70.5	68.1	62.7	57.7	53.0	49.0	45.1	41.2	37.5	34.3
75.9	75.3	74.2	73.3	72.9	70.9	68.1	62.8	58.2	53.6	49.6	45.9	41.4	38.1	34.6
75.9	75.2	74.5	73.9	72.8	71.1	68.5	63.5	58.5	54.3	50.0	46.0	42.1	38.1	34.7
75.6	75.1	74.6	74.0	73.4	72.0	70.6	67.5	63.6	60.0	56.4	52.2	46.6	42.9	39.8
75.7	75.1	74.5	73.8	72.9	70.5	68.0	62.7	57.6	53.7	49.5	45.2	41.6	37.6	34.6
72.5	70.4	67.7	63.7	60.2	51.8	42.2	30.6	27.6	26.4	25.3	23.2	21.4	20.2	19.2
73.5	72.0	70.3	67.7	65.8	60.2	54.1	45.3	41.5	39.4	36.2	33.2	30.5	28.3	25.8
72.2	70.4	67.3	64.1	60.0	51.7	42.5	30.4	27.3	26.2	24.9	23.3	21.6	20.0	19.2
73.1	71.7	70.2	67.7	65.6	59.8	53.9	45.7	41.5	38.7	36.2	33.0	30.4	28.1	25.9
72.1	70.6	67.3	63.9	60.3	51.7	42.6	31.1	27.5	26.0	24.1	23.0	21.2	20.3	18.9
73.3	72.0	70.2	67.7	65.5	59.9	53.8	45.0	41.3	38.3	35.8	33.0	30.6	28.1	25.9
75.2	74.6	73.4	72.3	70.8	67.8	64.6	59.0	54.2	50.1	46.0	42.2	38.8	35.6	32.5
74.9	74.3	73.5	72.2	70.6	67.9	64.5	58.8	54.3	50.6	46.2	42.5	39.1	35.4	32.4
74.7	74.5	73.4	72.2	70.6	67.7	64.5	58.7	53.9	50.4	45.9	42.7	38.9	35.5	32.4
75.1	74.3	73.3	72.0	70.9	67.7	64.6	58.9	54.0	50.2	46.0	42.5	38.7	35.4	32.2
75.1	74.5	73.6	72.2	70.8	67.9	64.5	58.4	54.2	50.3	46.2	42.5	39.2	35.4	32.5
75.1	74.6	73.4	72.1	70.7	67.7	64.7	58.6	53.9	50.4	46.3	42.7	39.0	35.5	32.4
75.2	74.0	72.7	71.1	69.3	65.9	61.2	54.8	50.4	47.2	42.6	39.8	36.6	33.4	30.5
74.6	73.6	72.5	70.9	69.4	65.2	60.6	53.8	49.7	46.1	43.1	39.5	36.0	33.0	30.3
74.6	73.9	72.4	71.1	69.3	65.7	62.1	54.8	50.4	47.0	43.7	40.1	36.7	33.7	30.8
74.4	73.5	72.3	71.0	69.6	66.0	62.2	55.3	51.2	47.6	43.7	40.6	37.1	34.0	30.9
75.5	74.9	74.5	73.2	71.6	68.2	63.5	56.2	52.6	50.5	49.4	48.8	48.9	43.9	40.8
74.8	73.5	72.6	70.9	69.0	65.4	61.0	53.8	49.9	46.5	42.7	39.6	36.4	33.3	30.3
76.4	76.1	76.1	75.7	74.9	71.0	65.5	58.3	53.6	49.5	45.6	41.9	38.2	35.0	31.6
75.7	76.0	75.7	75.4	75.1	74.3	69.7	59.7	54.3	50.6	46.4	42.8	39.0	35.4	32.3
74.5	73.8	72.5	70.9	69.4	66.1	61.8	55.2	51.1	47.6	43.5	40.4	36.9	33.9	30.7
74.4	73.4	72.4	70.7	69.4	65.7	62.0	55.3	51.1	47.8	43.6	40.3	37.2	33.9	31.0
75.4	74.2	73.2	72.0	70.2	66.6	63.0	55.9	51.8	48.0	43.9	41.0	37.4	34.4	31.2

er Readings, Prototype Feet of Water

0 60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1	T=780 LC=28.9	T=840 LC=26.0	T=900 LC=23.5	T=1020 LC=18.7	T=1260 LC=11.9	T=1500 LC=8.2	T=1740 LC=7.0
	54.6	50.0	45.5	41.4	38.1	34.3	31.2	28.3	25.5	22.9	18.2	11.7	8.2	7.0
	52.6	48.2	44.7	40.8	37.1	33.3	30.5	27.6	24.8	22.3	18.0	11.5	7.9	7.0
	53.2	48.8	44.9	41.1	37.7	34.1	30.9	27.8	25.0	22.8	18.5	11.7	8.2	7.0
	53.0	49.0	45.1	41.2	37.5	34.3	31.3	28.3	25.5	22.7	18.4	12.0	8.3	7.0
	53.6	49.6	45.9	41.4	38.1	34.6	31.4	28.4	25.4	22.9	18.4	11.6	8.5	7.0
	54.3	50.0	46.0	42.1	38.1	34.7	31.5	28.6	25.6	23.0	18.6	11.9	8.2	7.0
	60.0	56.4	52.2	46.6	42.9	39.8	36.7	33.8	30.4	28.0	21.2	12.0	8.0	7.0
	53.7	49.5	45.2	41.6	37.6	34.6	31.1	28.3	25.2	22.8	18.3	11.6	8.2	7.0
	26.4	25.3	23.2	21.4	20.2	19.2	17.8	16.4	15.7	14.2	12.5	9.7	7.8	7.0
	39.4	36.2	33.2	30.5	28.3	25.8	23.9	21.6	19.6	17.8	15.1	10.4	8.0	7.0
	26.2	24.9	23.3	21.6	20.0	19.2	18.0	16.6	15.7	14.3	12.5	9.4	7.6	7.0
	38.7	36.2	33.0	30.4	28.1	25.9	23.8	21.5	19.9	18.0	14.9	10.7	7.8	7.0
	26.0	24.1	23.0	21.2	20.3	18.9	17.5	16.6	15.3	13.9	12.2	9.5	7.8	7.0
	38.3	35.8	33.0	30.6	28.1	25.9	24.1	21.9	20.1	18.1	14.9	10.6	8.2	7.0
	50.1	46.0	42.2	38.8	35.6	32.5	29.4	26.6	24.0	21.9	17.5	11.5	7.9	7.0
	50.6	46.2	42.5	39.1	35.4	32.4	29.7	26.8	24.0	21.8	17.4	11.3	8.0	7.0
	50.4	45.9	42.7	38.9	35.5	32.4	29.4	26.6	24.2	22.0	17.6	11.7	8.1	7.0
	50.2	46.0	42.5	38.7	35.4	32.2	29.5	26.3	24.1	21.6	17.4	11.6	8.0	7.0
	50.3	46.2	42.5	39.2	35.4	32.5	29.9	26.6	24.1	21.9	17.6	11.4	8.0	7.0
	50.4	46.3	42.7	39.0	35.5	32.4	29.7	26.8	24.4	22.1	18.3	11.8	8.3	7.0
	47.2	42.6	39.8	36.6	33.4	30.5	27.9	25.3	22.8	20.9	16.6	11.0	7.7	7.0
	46.1	43.1	39.5	36.0	33.0	30.3	27.2	24.8	23.1	20.5	16.8	10.9	7.8	7.0
	47.0	43.7	40.1	36.7	33.7	30.8	27.9	25.5	23.0	20.8	17.0	11.3	8.2	7.0
	47.6	43.7	40.6	37.1	34.0	30.9	28.3	25.7	23.6	21.1	17.0	11.1	8.1	7.0
	50.5	49.4	48.8	48.9	43.9	40.8	40.8	29.5	25.3	23.0	17.6	14.9	6.9	7.0
	46.5	42.7	39.6	36.4	33.3	30.3	27.6	25.2	22.9	20.6	16.9	11.4	8.0	7.0
	49.5	45.6	41.9	38.2	35.0	31.6	29.0	26.1	24.0	21.3	17.7	11.4	8.1	7.0
	50.6	46.4	42.8	39.0	35.4	32.3	29.3	26.6	24.3	22.0	17.6	11.4	8.0	7.0
	47.6	43.5	40.4	36.9	33.9	30.7	27.9	25.6	23.2	20.9	17.0	11.4	8.2	7.0
	47.8	43.6	40.3	37.2	33.9	31.0	28.5	25.8	23.4	20.9	17.1	11.4	8.0	7.0
	48.0	43.9	41.0	37.4	34.4	31.2	28.8	26.0	23.7	21.5	17.5	11.7	8.2	7.0

Table A20 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=76.2	T=45 LC=76.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9
103	26+68.3	-22.1	76.5	76.3	76.0	75.8	75.2	74.7	73.7	72.9	72.7	71.2	69.8
104	26+68.3	-22.1	76.5	76.6	75.8	75.4	74.7	74.0	72.8	71.2	69.8	66.5	62.7
105	26+68.3	-22.1	76.5	76.0	75.6	75.6	74.8	73.8	72.7	71.1	70.0	66.4	62.5
106	26+68.3	-22.1	76.5	76.4	76.4	76.1	75.9	75.9	75.4	75.3	75.1	74.4	71.0
107	26+78.3	-21.5	76.5	76.6	76.2	75.9	74.9	74.0	73.3	71.5	70.2	66.6	63.1
108	26+78.3	-21.5	76.5	76.4	75.8	75.4	74.9	73.9	73.0	71.8	70.3	67.0	63.2
109	26+78.3	-21.5	76.5	76.5	75.9	75.5	74.8	73.9	73.0	71.6	70.2	66.7	62.9
110	26+78.3	-21.5	76.5	76.3	76.1	75.7	75.2	74.6	73.9	72.8	71.9	69.6	67.9
111	26+88.3	-20.9	76.5	76.2	76.3	75.8	75.3	74.2	73.3	72.0	70.5	67.1	63.5
112	26+88.3	-20.9	76.5	76.5	75.8	75.8	75.0	74.2	73.3	71.9	70.8	67.0	63.7
113	26+88.3	-20.9	76.5	76.2	75.8	75.4	74.5	73.8	72.7	71.6	70.0	66.1	62.5
114	26+88.3	-20.9	76.5	76.6	76.4	76.1	75.8	75.4	75.3	75.1	74.4	73.9	72.9
115	26+93.3	-20.6	76.5	76.2	75.8	75.8	75.0	74.1	73.3	72.0	70.5	67.4	64.4
116	26+93.3	-20.6	76.5	76.3	76.1	75.8	74.3	73.9	72.6	71.1	69.1	64.9	60.5
117	26+93.3	-20.6	76.5	76.4	75.8	75.6	74.4	73.7	72.4	70.8	69.5	65.8	61.5
118	26+93.3	-20.6	76.5	76.9	76.8	76.6	76.5	76.7	76.4	76.6	76.5	76.3	75.6
119	26+95.3	-20.6	76.5	76.2	75.8	75.8	74.8	74.1	73.2	71.8	70.5	67.5	63.8
120	26+95.3	-20.6	76.5	76.1	76.0	75.5	75.4	74.5	74.2	73.5	73.5	73.0	65.9
121	26+95.3	-20.6	76.5	76.5	76.7	76.3	76.3	76.5	76.3	76.2	76.1	75.8	75.9
122	26+95.3	-20.6	76.5	76.6	76.0	75.9	75.1	74.1	73.0	71.5	70.2	66.6	63.1
123	27+08.1	-24.25	76.5	76.5	75.9	75.8	75.1	74.6	73.8	72.7	71.1	67.8	65.1
123A	27+08.1	-24.25	76.5	76.5	76.6	76.5	76.5	76.3	76.2	74.1	73.5	69.8	63.9
124	27+18.1	-24.25	76.5	76.3	76.1	75.8	75.3	74.7	73.6	72.8	71.6	68.9	66.2
125	27+28.1	-24.25	76.5	76.4	76.2	75.9	75.6	74.8	74.0	72.9	71.8	69.1	66.4
126	27+38.1	-24.25	76.5	76.6	76.5	76.2	75.7	74.8	74.2	73.0	72.2	69.5	67.1
127	27+48.1	-24.25	76.5	76.5	76.3	75.9	75.7	75.0	74.3	73.5	72.3	70.4	67.4
128	27+58.1	-24.25	76.5	76.6	76.5	76.2	75.7	75.1	74.3	73.7	72.6	70.4	67.9
129	27+68.1	-24.25	76.5	76.6	76.4	76.0	75.8	75.1	74.5	73.7	72.6	70.4	67.9
130	27+78.1	-24.25	76.5	76.2	76.2	75.9	75.4	75.1	73.8	73.1	71.8	69.7	66.8
131	27+88.1	-24.25	76.5	76.6	76.3	76.5	75.9	75.3	74.9	74.4	73.3	71.2	69.1
131A	27+88.1	-24.25	76.5	76.6	76.6	76.0	75.8	75.2	74.3	73.7	72.8	70.5	68.1

Average Piezometer Readings, Prototype Feet of Water

T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65.1	T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.
74.7	73.7	72.9	72.7	71.2	69.8	61.2	55.0	50.6	46.2	41.8	38.2	34.7	31.6	28.8
74.0	72.8	71.2	69.8	66.5	62.7	55.8	51.7	48.3	44.6	40.6	37.4	34.3	31.1	28.4
73.8	72.7	71.1	70.0	66.4	62.5	55.9	51.7	47.8	44.2	40.8	37.3	34.1	31.0	28.2
75.9	75.4	75.3	75.1	74.4	71.0	59.7	54.6	50.3	46.4	42.7	39.2	35.8	32.7	29.6
74.0	73.3	71.5	70.2	66.6	63.1	56.4	52.2	48.7	45.0	41.2	37.8	34.4	31.3	28.7
73.9	73.0	71.8	70.3	67.0	63.2	56.7	52.5	49.1	44.9	41.4	38.5	35.2	32.1	29.3
73.9	73.0	71.6	70.2	66.7	62.9	56.8	52.3	48.5	44.6	41.1	37.5	34.4	31.5	28.5
74.6	73.9	72.8	71.9	69.6	67.9	62.4	58.9	52.9	49.5	46.1	43.3	41.1	37.9	32.5
74.2	73.3	72.0	70.5	67.1	63.5	57.2	53.2	49.4	45.7	42.1	38.2	33.7	32.1	29.0
74.2	73.3	71.9	70.8	67.0	63.7	56.6	52.6	48.6	45.0	41.2	37.8	34.8	31.9	28.9
73.8	72.7	71.6	70.0	66.1	62.5	55.8	51.6	47.9	44.3	41.0	37.3	32.9	31.4	28.6
75.4	75.3	75.1	74.4	73.9	72.9	71.8	62.8	56.6	51.8	47.1	42.5	40.1	35.5	32.1
74.1	73.3	72.0	70.5	67.4	64.4	58.2	53.8	49.3	45.6	42.2	38.3	33.0	31.9	29.2
73.9	72.6	71.1	69.1	64.9	60.5	53.8	50.8	47.2	43.4	39.5	36.1	34.2	31.0	28.4
73.7	72.4	70.8	69.5	65.8	61.5	54.4	50.4	47.0	43.3	39.9	36.1	33.5	30.6	28.1
76.7	76.4	76.6	76.5	76.3	75.6	64.7	59.5	54.3	49.9	45.7	41.6	35.5	34.6	31.7
74.1	73.2	71.8	70.5	67.5	63.8	57.5	53.5	49.5	45.7	42.2	39.0	36.4	35.4	34.7
74.5	74.2	73.5	73.5	73.0	65.9	56.4	51.7	48.7	44.0	40.8	37.8	34.0	31.4	28.4
76.5	76.3	76.2	76.1	75.8	75.9	75.5	68.6	61.9	57.6	48.6	43.7	39.8	36.3	32.7
74.1	73.0	71.5	70.2	66.6	63.1	56.7	52.2	49.0	44.5	41.0	37.7	34.7	31.2	28.5
74.6	73.8	72.7	71.1	67.8	65.1	59.6	55.2	50.6	46.5	42.9	39.4	35.8	32.8	29.9
76.3	76.2	74.1	73.5	69.8	63.9	57.9	53.5	49.4	45.0	41.4	37.9	34.8	31.8	28.9
74.7	73.6	72.8	71.6	68.9	66.2	60.4	55.8	51.8	47.3	43.0	39.9	36.6	33.1	30.0
74.8	74.0	72.9	71.8	69.1	66.4	61.1	56.4	51.7	47.4	43.8	40.2	37.1	33.7	30.3
74.8	74.2	73.0	72.2	69.5	67.1	61.8	57.3	52.5	48.3	44.5	40.9	37.0	33.9	30.6
75.0	74.3	73.5	72.3	70.4	67.4	62.4	57.7	53.5	48.7	44.8	40.8	37.2	33.5	30.6
75.1	74.3	73.7	72.6	70.4	67.9	62.9	58.1	53.5	49.5	45.7	41.1	37.7	34.4	31.3
75.1	74.5	73.7	72.6	70.4	67.9	63.1	58.3	53.8	49.6	45.3	41.5	37.4	34.4	31.4
75.1	73.8	73.1	71.8	69.7	66.8	60.5	55.0	49.6	44.5	39.4	34.9	30.5	26.8	23.8
75.3	74.9	74.4	73.3	71.2	69.1	63.6	58.8	54.3	50.0	46.1	42.2	38.3	34.9	31.5
75.2	74.3	73.7	72.8	70.5	68.1	63.0	58.1	53.6	49.3	45.4	41.3	37.8	34.4	30.9

er Readings, Prototype Feet of Water

0 60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1	T=780 LC=28.9	T=840 LC=26.0	T=900 LC=23.5	T=1020 LC=18.7	T=1260 LC=11.9	T=1500 LC=8.2	T=1740 LC=7.0
	50.6	46.2	41.8	38.2	34.7	31.6	28.8	26.0	23.6	21.4	17.2	11.3	8.1	7.0
	48.3	44.6	40.6	37.4	34.3	31.1	28.4	26.0	23.5	21.4	17.2	11.6	8.4	7.0
	47.8	44.2	40.8	37.3	34.1	31.0	28.2	25.6	23.2	21.2	17.0	11.3	8.1	7.0
	50.3	46.4	42.7	39.2	35.8	32.7	29.6	26.8	24.2	21.8	17.7	11.6	8.1	7.0
	48.7	45.0	41.2	37.8	34.4	31.3	28.7	26.1	23.5	21.2	17.3	11.6	7.9	7.0
	49.1	44.9	41.4	38.5	35.2	32.1	29.3	26.5	24.2	22.2	17.8	11.6	8.2	7.0
	48.5	44.6	41.1	37.5	34.4	31.5	28.5	25.9	23.4	21.4	17.1	11.0	7.8	7.0
	52.9	49.5	46.1	43.3	41.1	37.9	32.5	29.2	26.7	23.7	18.8	12.0	8.3	7.0
	49.4	45.7	42.1	38.2	33.7	32.1	29.0	26.7	24.1	21.5	17.6	11.7	8.4	7.0
	48.6	45.0	41.2	37.8	34.8	31.9	28.9	26.6	23.6	21.6	17.4	11.4	7.9	7.0
	47.9	44.3	41.0	37.3	32.9	31.4	28.6	25.8	23.7	21.2	17.1	11.3	8.1	7.0
	56.6	51.8	47.1	42.5	40.1	35.5	32.1	28.7	25.1	23.5	18.7	11.9	8.1	7.0
	49.3	45.6	42.2	38.3	33.0	31.9	29.2	26.6	23.8	21.8	17.3	11.5	8.0	7.0
	47.2	43.4	39.5	36.1	34.2	31.0	28.4	25.8	22.4	21.1	17.5	11.6	8.4	7.0
	47.0	43.3	39.9	36.1	33.5	30.6	28.1	25.7	22.1	20.9	16.9	11.2	8.1	7.0
	54.3	49.9	45.7	41.6	35.5	34.6	31.7	28.7	25.4	23.2	18.7	12.2	8.2	7.0
	49.5	45.7	42.2	39.0	36.4	35.4	34.7	34.1	28.8	24.9	19.1	12.1	8.2	7.0
	48.7	44.0	40.8	37.8	34.0	31.4	28.4	26.2	23.3	20.9	17.5	11.2	8.2	7.0
	61.9	57.6	48.6	43.7	39.8	36.3	32.7	29.5	26.7	24.0	19.2	12.1	8.2	7.0
	49.0	44.5	41.0	37.7	34.7	31.2	28.5	26.2	23.3	21.3	17.2	11.4	8.1	7.0
	50.6	46.5	42.9	39.4	35.8	32.8	29.9	27.1	24.6	21.9	17.6	11.4	8.0	7.0
	49.4	45.0	41.4	37.9	34.8	31.8	28.9	26.2	23.4	21.2	17.2	11.3	7.9	7.0
	51.8	47.3	43.0	39.9	36.6	33.1	30.0	27.2	24.3	22.2	17.9	11.5	8.1	7.0
	51.7	47.4	43.8	40.2	37.1	33.7	30.3	27.6	25.2	22.4	18.1	11.8	8.1	7.0
	52.5	48.3	44.5	40.9	37.0	33.9	30.6	27.9	25.0	22.5	18.1	11.9	8.0	7.0
	53.5	48.7	44.8	40.8	37.2	33.5	30.6	27.8	25.0	22.5	18.2	11.6	7.8	7.0
	53.5	49.5	45.7	41.1	37.7	34.4	31.3	28.2	25.3	22.7	18.5	11.9	8.1	7.0
	53.8	49.6	45.3	41.5	37.4	34.4	31.4	28.1	25.4	22.9	18.5	11.8	8.1	7.0
	49.6	44.5	39.4	34.9	30.5	26.8	23.8	21.3	19.4	18.7	17.9	13.5	7.9	7.0
	54.3	50.0	46.1	42.2	38.3	34.9	31.5	28.5	25.9	23.1	18.6	11.8	8.3	7.0
	53.6	49.3	45.4	41.3	37.8	34.4	30.9	28.4	25.4	22.8	18.1	11.8	7.8	7.0

Table A20 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=76.2	T=45 LC=76.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69
132	26+14.0	-24.25	76.5	76.1	74.8	74.3	72.2	70.5	67.9	65.3	62.2	55.4	48.0
133	26+22.5	-24.25	76.5	76.2	74.6	73.5	71.1	68.9	65.5	61.3	56.8	47.4	36.5
134	26+70.0	-17.0	76.5	76.0	74.4	73.4	71.2	69.2	66.1	62.4	58.6	50.9	41.4
134A	26+70.0	-17.0	76.5	76.1	75.6	75.8	74.5	74.5	73.1	71.5	70.3	67.0	63.7
135	27+85.0	-17.0	76.5	76.0	75.5	75.4	74.9	74.7	74.5	74.2	70.6	54.3	43.5
135A	27+85.0	-17.0	76.5	76.6	76.1	76.2	75.0	74.8	73.4	72.8	71.1	68.0	64.5
136	28+60.0	-18.0	76.5	74.1	72.7	72.4	69.8	67.3	63.8	59.0	55.6	46.2	35.7
136A	28+60.0	-18.0	76.5	76.4	75.4	76.5	74.5	74.9	72.7	72.4	70.3	67.3	64.1
137	28+72.0	-18.0	76.5	74.4	73.0	72.7	70.1	67.5	63.9	59.2	55.5	45.5	35.1
137A	28+72.0	-18.0	76.5	76.6	75.6	76.5	74.5	74.9	72.8	72.5	70.9	67.5	64.3
138	29+21.3	-18.0	7.0	8.9	-0.5	-2.6	-9.2	-9.2	-10.8	-12.5	-15.4	-13.1	-8.1
138A	29+21.3	-18.0	7.0	7.2	7.5	7.7	6.8	7.0	7.0	7.0	6.7	6.9	6.9
139	29+28.3	-18.9	7.0	9.1	-0.2	-3.5	-5.9	-8.2	-10.1	-14.2	-13.8	-12.3	-6.6
140	29+37.3	-20.0	7.0	9.2	1.0	-0.8	-4.7	-6.8	-9.3	-9.0	-13.1	-4.1	7.8
141	29+70.0	-20.0	7.0	8.4	8.1	2.7	4.4	2.5	5.1	1.3	1.7	9.9	13.4
141A	29+70.0	-20.0	7.0	7.9	7.1	7.0	7.0	7.1	7.0	7.4	7.6	7.2	7.0
142	30+10.0	-20.0	7.0	8.9	8.9	8.8	8.8	8.8	9.1	8.6	8.5	8.2	8.8
143	30+57.9	-27.0	7.0	6.9	7.1	7.2	8.1	7.2	7.4	7.1	7.0	7.0	7.4
144	30+66.4	-27.0	7.0	7.2	7.0	7.3	6.8	7.0	6.9	6.7	7.0	7.0	6.6
145	30+14.4	-27.0	7.0	7.7	7.4	7.5	7.5	7.0	7.1	6.9	6.7	4.4	2.4
146	30+22.9	-27.0	7.0	7.7	7.6	8.4	10.5	11.5	13.3	15.6	18.0	21.3	24.5
147	30+23.9	-34.0	7.0	7.0	8.6	7.4	8.0	8.2	8.6	9.1	10.0	11.0	12.6
148	30+23.9	-34.0	7.0	7.1	7.5	7.6	8.2	8.9	8.6	9.7	10.3	11.2	13.2
149	30+23.9	-34.0	7.0	7.2	7.5	8.0	8.6	9.2	10.2	10.4	11.4	12.8	15.0
150	30+23.9	-34.0	7.0	7.0	7.9	7.0	8.5	9.7	10.4	11.6	13.1	15.8	18.5
151	30+23.9	-34.0	7.0	7.6	7.4	8.2	8.6	10.1	11.2	11.8	13.7	15.3	18.7
152	30+67.4	-34.0	7.0	6.6	7.1	6.9	7.3	6.9	7.5	7.0	7.2	7.0	7.1
153	30+67.4	-34.0	7.0	7.2	7.8	7.2	7.9	7.4	7.6	7.4	7.2	7.0	6.9
154	30+67.4	-34.0	7.0	7.0	7.3	7.2	7.4	7.2	7.1	7.4	8.1	7.2	5.4
155	30+67.4	-34.0	7.0	7.1	7.1	6.9	7.3	7.7	7.4	7.4	7.3	8.1	7.3
156	30+67.4	-34.0	7.0	6.9	3.6	7.4	7.4	7.2	7.2	7.2	7.0	6.9	7.0

Average Piezometer Readings, Prototype Feet of Water

.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65.1	T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=66 LC=3
	72.2	70.5	67.9	65.3	62.2	55.4	48.0	36.9	35.1	33.1	29.4	27.7	26.4	23.4	21.9
	71.1	68.9	65.5	61.3	56.8	47.4	36.5	21.9	21.0	21.4	18.6	18.3	17.5	15.7	15.7
	71.2	69.2	66.1	62.4	58.6	50.9	41.4	28.9	27.4	25.6	23.7	22.0	21.3	19.2	18.4
	74.5	74.5	73.1	71.5	70.3	67.0	63.7	57.5	52.9	49.0	45.3	43.0	41.7	40.7	40.4
	74.9	74.7	74.5	74.2	70.6	54.3	43.5	28.5	26.7	25.4	23.8	22.8	20.9	19.4	18.5
	75.0	74.8	73.4	72.8	71.1	68.0	64.5	58.7	54.4	50.6	46.4	42.6	39.1	35.7	32.7
	69.8	67.3	63.8	59.0	55.6	46.2	35.7	24.4	21.5	21.4	19.7	18.3	17.6	16.4	15.4
	74.5	74.9	72.7	72.4	70.3	67.3	64.1	58.3	53.7	50.0	46.0	42.2	38.7	35.7	32.1
	70.1	67.5	63.9	59.2	55.5	45.5	35.1	23.0	21.0	19.9	18.6	17.6	16.7	15.4	15.3
	74.5	74.9	72.8	72.5	70.9	67.5	64.3	58.6	54.1	50.3	45.9	42.4	39.0	35.5	32.4
	-9.2	-9.2	-10.8	-12.5	-15.4	-13.1	-8.1	20.7	20.9	18.5	18.3	16.9	15.7	15.5	13.2
	6.8	7.0	7.0	7.0	6.7	6.9	6.9	6.9	6.5	6.8	7.9	7.0	6.8	6.7	6.6
	-5.9	-8.2	-10.1	-14.2	-13.8	-12.3	-6.6	19.9	19.7	18.2	17.4	16.7	15.3	15.1	13.7
	-4.7	-6.8	-9.3	-9.0	-13.1	-4.1	7.8	15.8	15.7	15.0	14.4	12.2	13.1	12.8	12.1
	4.4	2.5	5.1	1.3	1.7	9.9	13.4	16.2	15.8	15.3	14.5	14.0	13.8	12.9	11.9
	7.0	7.1	7.0	7.4	7.6	7.2	7.0	6.7	7.1	7.1	6.8	7.1	6.9	7.1	7.1
	8.8	8.8	9.1	8.6	8.5	8.2	8.8	8.0	7.8	7.7	7.9	7.6	7.8	8.5	8.0
	8.1	7.2	7.4	7.1	7.0	7.0	7.4	6.8	6.6	7.1	6.9	6.5	6.5	6.6	6.6
	6.8	7.0	6.9	6.7	7.0	7.0	6.6	6.5	6.5	6.7	6.7	6.5	6.4	6.4	6.7
	7.5	7.0	7.1	6.9	6.7	4.4	2.4	-3.1	-2.5	-1.2	-1.3	-3.2	1.0	2.2	2.2
	10.5	11.5	13.3	15.6	18.0	21.3	24.5	24.7	24.0	23.3	20.8	20.0	19.1	17.7	16.5
	8.0	8.2	8.6	9.1	10.0	11.0	12.6	12.9	12.8	12.3	12.1	11.7	11.4	10.8	10.4
	8.2	8.9	8.6	9.7	10.3	11.2	13.2	13.1	13.6	13.0	12.0	11.8	11.9	11.3	10.9
	8.6	9.2	10.2	10.4	11.4	12.8	15.0	16.1	15.2	14.6	14.0	13.5	12.9	12.1	12.5
	8.5	9.7	10.4	11.6	13.1	15.8	18.5	16.4	19.0	18.2	17.7	16.3	16.2	14.7	14.2
	8.6	10.1	11.2	11.8	13.7	15.3	18.7	19.4	19.4	17.3	16.7	16.1	15.5	14.8	13.8
	7.3	6.9	7.5	7.0	7.2	7.0	7.1	6.8	6.6	6.6	6.7	6.9	6.7	7.3	7.2
	7.9	7.4	7.6	7.4	7.2	7.0	6.9	6.7	6.8	6.8	7.2	6.7	6.8	6.8	6.8
	7.4	7.2	7.1	7.4	8.1	7.2	5.4	6.7	6.5	6.9	6.7	7.5	6.8	6.9	6.7
	7.3	7.7	7.4	7.4	7.3	8.1	7.3	7.7	7.4	7.7	7.0	7.1	8.2	7.2	7.3
	7.4	7.2	7.2	7.2	7.0	6.9	7.0	6.5	6.6	6.7	7.1	6.7	6.6	6.7	6.5

neter Readings, Prototype Feet of Water

T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1	T=780 LC=28.9	T=840 LC=26.0	T=900 LC=23.5	T=1020 LC=18.7	T=1260 LC=11.9	T=1500 LC=8.2	T=1740 LC=7.0
5.1	33.1	29.4	27.7	26.4	23.4	21.9	20.6	18.9	17.0	16.0	13.2	9.6	7.3	7.0
1.0	21.4	18.6	18.3	17.5	15.7	15.7	14.4	13.6	13.0	12.4	11.0	8.6	7.3	7.0
7.4	25.6	23.7	22.0	21.3	19.2	18.4	17.2	15.7	14.7	13.7	11.8	9.2	7.7	7.0
2.9	49.0	45.3	43.0	41.7	40.7	40.4	33.2	30.9	28.9	24.2	18.8	11.9	8.1	7.0
6.7	25.4	23.8	22.8	20.9	19.4	18.5	17.2	15.8	15.1	13.6	12.1	9.4	7.9	7.0
4.4	50.6	46.4	42.6	39.1	35.7	32.7	29.7	27.2	24.6	22.0	17.8	11.8	8.5	7.0
1.5	21.4	19.7	18.3	17.6	16.4	15.4	14.3	13.9	12.9	12.1	10.7	8.4	7.3	7.0
3.7	50.0	46.0	42.2	38.7	35.7	32.1	29.4	27.1	24.3	21.7	17.6	11.4	8.2	7.0
1.0	19.9	18.6	17.6	16.7	15.4	15.3	14.0	13.1	12.7	11.7	10.5	8.4	7.4	7.0
4.1	50.3	45.9	42.4	39.0	35.5	32.4	29.7	26.9	24.2	21.6	17.5	11.6	8.2	7.0
0.9	18.5	18.3	16.9	15.7	15.5	13.2	13.5	12.4	9.3	10.7	9.8	9.0	6.8	7.0
6.5	6.8	7.9	7.0	6.8	6.7	6.6	6.7	6.5	6.6	9.9	7.1	6.7	6.5	7.0
9.7	18.2	17.4	16.7	15.3	15.1	13.7	13.2	12.1	11.6	11.1	10.2	8.1	7.3	7.0
5.7	15.0	14.4	12.2	13.1	12.8	12.1	11.6	11.2	10.6	10.3	9.3	8.3	7.4	7.0
5.8	15.3	14.5	14.0	13.8	12.9	11.9	12.2	11.6	11.1	11.0	9.4	8.1	7.2	7.0
7.1	7.1	6.8	7.1	6.9	7.1	7.1	7.0	7.1	6.9	7.0	7.5	7.1	6.9	7.0
7.8	7.7	7.9	7.6	7.8	8.5	8.0	7.7	7.5	7.3	7.3	7.3	7.5	7.3	7.0
6.6	7.1	6.9	6.5	6.5	6.6	6.6	6.9	6.7	6.6	6.4	6.7	6.7	6.7	7.0
6.5	6.7	6.7	6.5	6.4	6.4	6.7	7.2	6.3	7.1	6.7	6.9	7.3	7.2	7.0
-2.5	-1.2	-1.3	-3.2	1.0	2.2	2.2	3.0	4.0	4.0	5.3	5.7	6.6	9.0	7.0
24.0	23.3	20.8	20.0	19.1	17.7	16.5	15.8	14.4	15.1	13.0	11.3	9.9	7.8	7.0
12.8	12.3	12.1	11.7	11.4	10.8	10.4	10.0	9.7	9.3	10.2	8.7	7.5	6.9	7.0
13.6	13.0	12.0	11.8	11.9	11.3	10.9	10.6	10.1	9.8	9.5	8.8	7.9	7.2	7.0
15.2	14.6	14.0	13.5	12.9	12.1	12.5	11.6	11.0	10.6	10.1	9.6	8.3	7.9	7.0
19.0	18.2	17.7	16.3	16.2	14.7	14.2	13.6	12.5	12.4	11.7	10.3	8.6	7.5	7.0
19.4	17.3	16.7	16.1	15.5	14.8	13.8	13.0	11.7	11.6	11.2	10.4	8.4	9.0	7.0
6.6	6.6	6.7	6.9	6.7	7.3	7.2	6.8	6.9	7.0	6.9	6.8	6.9	6.8	7.0
6.8	6.8	7.2	6.7	6.8	6.8	6.8	9.3	6.9	7.0	7.2	7.2	6.9	7.1	7.0
6.5	6.9	6.7	7.5	6.8	6.9	6.7	7.1	6.8	7.1	7.0	7.0	7.0	7.2	7.0
7.4	7.7	7.0	7.1	8.2	7.2	7.3	7.5	7.6	8.4	7.6	7.7	8.5	7.5	7.0
6.6	6.7	7.1	6.7	6.6	6.7	6.5	6.6	6.6	6.5	8.9	6.9	6.5	6.7	7.0

Table A20 (Concluded)

Piezometer Location													
No.	Station	Elevation	T=0 LC=76.5	T=15 LC=76.1	T=30 LC=76.2	T=45 LC=76.0	T=60 LC=75.7	T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T= LC
157	30+16.8	-29.5	7.0	7.1	7.4	7.2	7.0	6.9	7.0	6.8	6.9	6.4	5.7
158	30+31.0	-29.5	7.0	7.2	7.1	6.6	6.3	6.4	4.2	3.1	-1.8	-4.1	-6.8
159	30+60.3	-29.5	7.0	7.1	7.1	7.2	7.3	7.4	7.1	7.3	7.3	6.9	6.9
160	30+74.5	-29.5	7.0	6.9	7.1	7.2	7.4	7.2	7.3	7.1	7.1	7.3	7.0
161	22+57.6	-24.0	76.5	75.9	74.2	74.8	72.9	72.1	70.5	68.7	67.2	65.4	59.
162	22+57.6	-26.4	76.5	76.8	75.6	75.5	74.7	74.1	72.4	70.8	69.0	64.5	59.
163	22+60.6	-24.0	76.5	76.0	74.2	74.8	72.6	71.6	69.7	66.7	64.2	58.7	52.
164	22+60.6	-26.4	76.5	76.3	73.9	74.6	72.3	71.0	68.6	65.5	62.5	56.7	49.
165	29+25.8	-32.3	7.0	8.9	-2.8	-6.4	-9.8	-18.2	-22.9	-27.3	-28.2	-29.1	-13
166	29+28.8	-33.0	7.0	8.8	1.8	1.3	-0.4	-4.3	-4.8	-6.9	-6.4	-7.0	3.3
167	29+31.8	-33.7	7.0	8.0	6.0	5.6	4.6	4.3	4.1	3.4	3.1	4.0	8.8

Average Piezometer Readings, Prototype Feet of Water

T=75 LC=75.3	T=90 LC=74.5	T=105 LC=74.1	T=120 LC=73.4	T=150 LC=72.0	T=180 LC=69.9	T=240 LC=65.1	T=300 LC=60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1
6.9	7.0	6.8	6.9	6.4	5.7	3.5	0.5	-0.7	-0.9	-1.1	-0.5	-0.2	0.5	1.0
6.4	4.2	3.1	-1.8	-4.1	-6.8	-5.5	-3.3	-1.6	-0.9	1.4	1.3	2.9	3.1	4.5
7.4	7.1	7.3	7.3	6.9	6.9	7.0	7.1	7.0	6.8	7.2	7.1	7.0	7.1	7.0
7.2	7.3	7.1	7.1	7.3	7.0	7.0	6.6	6.6	6.7	7.1	7.0	7.0	7.0	6.9
72.1	70.5	68.7	67.2	65.4	59.0	48.5	44.3	40.7	36.8	34.4	31.2	29.2	26.5	24.0
74.1	72.4	70.8	69.0	64.5	59.9	50.4	43.5	39.6	36.1	33.3	30.6	28.2	25.8	23.6
71.6	69.7	66.7	64.2	58.7	52.5	44.1	40.9	37.7	34.2	32.5	29.1	27.4	24.7	23.4
71.0	68.6	65.5	62.5	56.7	49.3	39.8	36.5	33.1	29.3	26.7	23.6	21.6	18.7	16.7
-18.2	-22.9	-27.3	-28.2	-29.1	-13.9	11.3	12.4	11.8	11.4	11.2	10.8	10.9	10.3	10.0
-4.3	-4.8	-6.9	-6.4	-7.0	3.3	18.5	18.8	17.4	16.5	16.1	15.2	14.7	13.7	12.4
4.3	4.1	3.4	3.1	4.0	8.8	21.2	22.0	20.7	20.0	18.8	17.7	16.5	15.9	14.8

er Readings, Prototype Feet of Water

00 60.2	T=360 LC=55.5	T=420 LC=51.1	T=480 LC=46.8	T=540 LC=42.9	T=600 LC=39.0	T=660 LC=35.7	T=720 LC=32.1	T=780 LC=28.9	T=840 LC=26.0	T=900 LC=23.5	T=1020 LC=18.7	T=1260 LC=11.9	T=1500 LC=8.2	T=1740 LC=7.0
	-0.7	-0.9	-1.1	-0.5	-0.2	0.5	1.0	1.7	2.1	2.7	3.4	5.5	6.3	7.0
	-1.6	-0.9	1.4	1.3	2.9	3.1	4.5	4.3	5.5	5.8	6.1	6.7	7.0	7.0
	7.0	6.8	7.2	7.1	7.0	7.1	7.0	7.1	7.1	7.1	7.1	7.1	7.1	7.0
	6.6	6.7	7.1	7.0	7.0	7.0	6.9	6.9	6.9	7.1	7.1	7.0	7.1	7.0
	40.7	36.8	34.4	31.2	29.2	26.5	24.0	21.8	19.6	18.1	15.1	10.1	7.6	7.0
	39.6	36.1	33.3	30.6	28.2	25.8	23.6	21.6	19.8	17.9	14.7	10.5	8.0	7.0
	37.7	34.2	32.5	29.1	27.4	24.7	23.4	21.3	18.8	17.5	14.4	10.3	7.7	7.0
	33.1	29.3	26.7	23.6	21.6	18.7	16.7	14.4	12.4	11.1	8.9	7.7	7.1	7.0
	11.8	11.4	11.2	10.8	10.9	10.3	10.0	9.8	9.5	9.0	8.6	7.7	7.2	7.0
	17.4	16.5	16.1	15.2	14.7	13.7	12.4	12.1	11.9	11.0	10.0	8.2	7.4	7.0
	20.7	20.0	18.8	17.7	16.5	15.9	14.8	14.0	13.0	12.4	11.0	8.8	7.5	7.0

Table A21
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper

Piezometer Location															
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.1	T=45 LC=7.4	T=60 LC=7.7	T=75 LC=8.0	T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12
1	21+17.8	-16.0	76.5	76.6	77.0	76.7	76.9	77.0	76.8	76.7	77.0	76.6	76.8	76.8	76.8
2	21+25.2	-16.0	76.5	76.1	76.3	76.4	76.5	76.4	76.3	76.5	76.4	76.6	76.4	76.5	76.3
3	21+22.9	-16.0	76.5	76.1	76.1	76.3	76.2	76.1	76.2	76.2	76.3	76.0	76.3	76.1	76.3
4	21+29.5	-16.0	76.5	75.9	75.9	75.5	75.7	75.7	75.9	75.7	75.9	75.9	76.1	75.8	75.8
5	21+39.4	-16.0	76.5	76.5	76.6	76.9	76.6	76.9	76.5	76.3	76.6	76.4	76.7	76.6	76.6
6	21+36.2	-16.0	76.5	76.1	76.6	76.4	76.2	76.4	76.4	76.0	76.3	76.2	76.3	76.5	76.1
7	21+42.5	-16.0	76.5	75.8	76.0	76.1	76.1	75.9	75.9	76.0	75.8	75.9	76.0	75.7	76.4
8	21+53.8	-16.0	76.5	75.9	76.2	76.0	76.5	76.1	76.3	76.1	75.9	75.9	76.2	76.1	76.2
9	21+49.7	-16.0	76.5	76.0	76.3	76.6	76.4	76.3	76.4	76.2	76.8	76.4	76.4	76.3	76.3
10	21+55.9	-16.0	76.5	76.1	76.0	76.3	76.4	76.0	76.1	75.9	76.0	76.1	76.4	76.3	76.0
11	21+70.0	-13.6	76.5	76.3	75.9	75.7	75.7	75.5	75.9	75.6	75.6	75.5	75.4	75.4	75.3
12	21+85.0	-17.0	76.5	75.0	75.1	75.4	75.5	75.4	75.3	75.0	75.5	75.3	75.3	75.5	75.6
13	21+91.0	-17.0	76.5	75.2	75.7	75.8	76.0	75.9	75.6	75.7	75.6	75.9	75.5	75.5	75.7
14	22+05.0	-17.0	76.5	75.2	75.7	75.9	75.9	75.6	75.7	75.4	75.6	75.6	75.8	75.8	75.5
15	22+52.1	-17.0	7.0	3.2	-2.6	-2.5	-1.6	-2.3	-1.5	-1.1	-0.5	-0.5	-0.3	1.7	3.5
16	22+53.5	-17.0	7.0	1.3	-2.9	-3.5	-4.7	-5.3	-4.2	-2.1	-2.1	-2.5	-1.7	0.5	1.6
17	22+59.1	-16.9	7.0	2.8	-1.6	-1.6	-1.3	-1.0	-1.7	-2.5	-1.2	-1.0	0.6	1.6	3.8
18	22+62.6	-16.8	7.0	2.4	-3.0	-1.0	-2.0	-0.8	-1.5	-2.7	0.9	0.5	0.1	2.3	5.1
19	22+69.1	-16.6	7.0	7.3	1.9	-1.0	2.7	1.3	1.4	1.9	2.1	7.1	3.9	2.8	7.3
20	22+76.6	-16.5	7.0	9.0	4.5	2.3	5.5	3.7	5.5	4.2	4.8	10.0	7.0	7.9	8.4
21	22+90.6	-16.5	7.0	10.3	6.7	7.2	7.1	7.5	6.7	7.8	9.6	11.1	9.9	10.8	12.0
22	23+50.0	-16.5	7.0	10.6	8.2	8.6	9.3	9.7	9.6	9.9	9.8	11.3	11.3	11.8	13.4
23	24+50.0	-16.5	7.0	10.0	8.8	8.4	9.3	9.5	9.4	9.9	9.7	10.8	11.3	12.0	13.7
24	25+50.0	-16.5	7.0	9.4	8.4	8.4	9.0	8.9	9.3	9.9	10.3	10.7	11.1	12.3	13.5
25	26+04.3	-24.25	7.0	8.7	8.5	7.9	8.7	8.3	9.2	9.3	9.4	10.2	10.6	12.0	12.9
26	25+95.9	-24.25	7.0	8.2	8.1	7.5	8.4	8.3	8.5	8.6	8.9	9.4	10.1	11.3	12.3
27	26+09.2	-17.0	7.0	8.4	7.8	8.0	8.6	8.4	8.8	9.1	9.4	10.1	10.6	11.6	13.0
28	26+01.3	-20.1	7.0	8.1	6.7	7.5	7.6	8.1	8.3	8.6	8.9	9.5	10.0	11.2	12.2
29	26+12.4	-20.1	7.0	8.3	7.3	8.1	8.3	8.7	8.9	9.3	9.6	10.1	10.6	11.9	12.5
30	25+96.0	-20.1	7.0	7.9	6.5	7.0	7.3	7.7	8.0	8.1	8.9	9.3	9.9	10.9	12.2
31	26+04.5	-20.1	7.0	7.9	7.3	7.5	8.1	8.3	8.7	9.0	9.5	9.7	10.4	11.5	12.9

illing Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Stepped Valve Schedule N

Average Piezometer Readings, Prototype Feet of Water

.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4	T=360 LC=13.5	T=420 LC=14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T=660 LC=34.2
	76.7	77.0	76.6	76.8	76.8	76.8	76.9	76.7	76.3	76.4	76.3	76.2	76.0	76.2	76.0	75.7
	76.5	76.4	76.6	76.4	76.5	76.3	76.2	76.6	76.2	75.2	73.7	73.6	74.0	74.0	74.2	74.4
	76.2	76.3	76.0	76.3	76.1	76.3	76.0	76.3	76.4	75.2	73.7	73.5	73.5	73.8	73 6	74.2
	75.7	75.9	75.9	76.1	75.8	75.8	76.0	76.1	75.9	75.7	74.7	74.4	74.1	74.3	74.2	73.4
	76.3	76.6	76.4	76.7	76.6	76.6	76.6	76.5	76.5	75.0	72.4	71.9	71.6	72.1	72.3	72.5
	76.0	76.3	76.2	76.3	76.5	76.1	76.2	76.2	76.4	74.8	72.5	71.9	71.6	72.1	72.1	72.5
	76.0	75.8	75.9	76.0	75.7	76.4	75.9	76.2	76.0	73.4	68.1	66.3	66.5	67.0	67.1	68.7
	76.1	75.9	75.9	76.2	76.1	76.2	76.1	76.2	76.1	74.3	71.4	70.3	70.3	70.5	70.7	71.7
	76.2	76.8	76.4	76.4	76.3	76.3	76.4	76.4	76.2	74.0	70.5	69.4	69.5	70.0	70.2	71.0
	75.9	76.0	76.1	76.4	76.3	76.0	76.2	76.3	76.0	72.8	67.5	64.7	64.4	65.0	65.7	67.1
	75.6	75.6	75.5	75.4	75.4	75.3	75.4	75.7	75.9	73.7	54.7	47.1	47.0	48.2	49 2	54.0
	75.0	75.5	75.3	75.3	75.5	75.6	75.2	75.5	75.5	67.0	50.1	43.8	44.4	45.7	47.4	51.1
	75.7	75.6	75.9	75.5	75.5	75.7	75.6	75.5	75.4	66.9	51.8	46.4	47.4	48.8	50.0	53.4
	75.4	75.6	75.6	75.8	75.8	75.5	75.8	75.7	75.6	66.4	49.5	43.5	44.6	45.8	47 0	50.7
	-1.1	-0.5	-0.5	-0.3	1.7	3.5	4.9	6.3	8.4	15.1	43.4	40.9	41.6	43.7	44 9	49.3
	-2.1	-2.1	-2.5	-1.7	0.5	1.6	3.9	6.1	8.4	13.4	38.1	33.7	37.0	35.2	39.7	43.3
	-2.5	-1.2	-1.0	0.6	1.6	3.8	4.9	6.2	10.5	13.5	43.5	42.9	44.3	45.6	47.2	51.1
	-2.7	0.9	0.5	0.1	2.3	5.1	4.0	5.1	10.5	15.8	44.5	43.3	45.0	46.1	47 7	51.5
	1.9	2.1	7.1	3.9	2.8	7.3	7.1	8.8	12.9	19.2	42.5	41.0	42.7	43.9	45 7	49.3
	4.2	4.8	10.0	7.0	7.9	8.4	11.5	10.8	17.1	23.4	42.8	41.4	42.6	44.0	46.0	49.4
	7.8	9.6	11.1	9.9	10.8	12.0	11.4	14.3	20.1	28.7	41.3	40.1	41.8	43.1	45 1	48.9
	9.9	9.8	11.3	11.3	11.8	13.4	15.0	15.8	20.1	33.8	39.6	39.0	40.8	42.2	44.3	48.4
	9.9	9.7	10.8	11.3	12.0	13.7	14.5	16.0	19.0	29.9	35.6	35.2	37.0	38.9	40 3	45.2
	9.9	10.3	10.7	11.1	12.3	13.5	14.6	15.9	17.8	27.6	33.6	34.8	35.3	37.9	39.1	45.3
	9.3	9.4	10.2	10.6	12.0	12.9	14.1	15.1	16.5	26.7	36.6	40.6	42.3	43.7	45.6	50.1
	8.6	8.9	9.4	10.1	11.3	12.3	13.6	15.0	16.0	19.8	19.6	18.5	20.1	22.3	24.9	31.6
	9.1	9.4	10.1	10.6	11.6	13.0	14.1	15.3	16.9	22.7	26.5	27.1	28.2	32.1	33.2	39.1
	8.6	8.9	9.5	10.0	11.2	12.2	13.6	14.5	15.9	12.9	0.7	-5.8	-1.5	1.3	5.6	14.5
	9.3	9.6	10.1	10.6	11.9	12.5	14.1	15.0	16.5	21.8	25.2	28.1	31.3	32.6	34.6	39.4
	8.1	8.9	9.3	9.9	10.9	12.2	13.5	14.6	15.7	12.2	-0.2	-6.9	-2.8	1.4	5.1	14.0
	9.0	9.5	9.7	10.4	11.5	12.9	13.8	15.2	16.2	21.2	25.0	27.3	29.2	31.7	34 0	38.7

Lower Pool El 7 Ft, Lift 69.5 Ft, Stepped Valve Schedule No. 1, Single Valve Operation

eadings, Prototype Feet of Water

T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T=660 LC=34.2	T=720 LC=40.1	T=780 LC=45.0	T=840 LC=50.1	T=900 LC=54.4	T=1020 LC=61.7	T=1260 LC=71.7
76.3	76.4	76.3	76.2	76.0	76.2	76.0	75.7	75.9	76.2	76.5	76.4	76.2	76.2
76.2	75.2	73.7	73.6	74.0	74.0	74.2	74.4	74.8	74.9	75.1	75.3	75.5	76.2
76.4	75.2	73.7	73.5	73.5	73.8	73 6	74.2	74.3	74.8	74.9	75.6	75.8	76.2
75.9	75.7	74.7	74.4	74.1	74.3	74.2	73.4	73.2	73.3	73.3	73.9	74.6	75.6
76.5	75.0	72.4	71.9	71.6	72.1	72.3	72.5	73.5	73.6	74.3	74.4	75.3	76.3
76.4	74.8	72.5	71.9	71.6	72.1	72.1	72.5	73.1	73.8	74.1	74.3	75.1	75.8
76.0	73.4	68.1	66.3	66.5	67.0	67.1	68.7	69.6	70.6	71.5	72.8	73.9	75.5
76.1	74.3	71.4	70.3	70.3	70.5	70.7	71.7	72.5	72.9	73.6	73.8	74.7	75.8
76.2	74.0	70.5	69.4	69.5	70.0	70 2	71.0	71.9	72.2	73.4	73.4	74.9	75.9
76.0	72.8	67.5	64.7	64.4	65.0	65.7	67.1	68.3	69.4	70.6	71.9	73.1	75.1
75.9	73.7	54.7	47.1	47.0	48.2	49 2	54.0	60.0	58.1	60.2	62.5	67.0	73.2
75.5	67.0	50.1	43.8	44.4	45.7	47 4	51.1	55.0	58.2	61.0	63.8	67.7	73.5
75.4	66.9	51.8	46.4	47.4	48.8	50 0	53.4	56.3	59.5	62.4	64.8	68.6	74.1
75.6	66.4	49.5	43.5	44.6	45.8	47 0	50.7	54.6	57.9	60.9	64.0	68.1	73.9
8.4	15.1	43.4	40.9	41.6	43.7	44 9	49.3	52.8	56.4	59.8	62.5	67.3	73.8
8.4	13.4	38.1	33.7	37.0	35.2	39.7	43.3	49.0	54.4	57.5	61.3	68.7	78.5
10.5	13.5	43.5	42.9	44.3	45.6	47 2	51.1	54.3	58.1	60.8	63.2	67.9	73.7
10.5	15.8	44.5	43.3	45.0	46.1	47 7	51.5	55.2	58.5	61.4	63.8	68.3	74.2
12.9	19.2	42.5	41.0	42.7	43.9	45 7	49.3	53.1	57.0	60.0	62.4	67.4	73.4
17.1	23.4	42.8	41.4	42.6	44.0	46 0	49.4	53.5	57.3	60.0	62.6	67.4	73.6
20.1	28.7	41.3	40.1	41.8	43.1	45 1	48.9	53.1	56.6	59.7	62.4	67.1	73.8
20.1	33.8	39.6	39.0	40.8	42.2	44 3	48.4	52.1	56.2	59.2	62.3	67.0	73.4
19.0	29.9	35.6	35.2	37.0	38.9	40 3	45.2	49.4	53.8	57.8	61.0	66.1	73.4
17.8	27.6	33.6	34.8	35.3	37.9	39.1	45.3	49.0	52.8	57.0	60.2	65.7	73.2
16.5	26.7	36.6	40.6	42.3	43.7	45 6	50.1	52.9	56.1	59.4	62.3	66.9	73.3
16.0	19.8	19.6	18.5	20.1	22.3	24.9	31.6	37.8	43.2	48.4	53.3	60.9	71.4
16.9	22.7	26.5	27.1	28.2	32.1	33 2	39.1	44.0	48.5	52.7	56.9	63.6	72.2
15.9	12.9	0.7	-5.8	-1.5	1.3	5.6	14.5	23.7	31.1	38.5	45.3	55.5	70.4
16.5	21.8	25.2	28.1	31.3	32.6	34.6	39.4	45.1	49.3	54.1	57.5	63.9	72.3
15.7	12.2	-0.2	-6.9	-2.8	1.4	5.1	14.0	24.0	31.0	37.5	44.8	55.2	70.2
16.2	21.2	25.0	27.3	29.2	31.7	34 0	38.7	44.8	49.3	52.9	57.8	63.9	72.6

Table A21 (Continued)

Piezometer Location															
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.1	T=45 LC=7.4	T=60 LC=7.7	T=75 LC=8.0	T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=3(LC=
32	25+88.1	-20.1	7.0	7.7	6.3	7.1	7.4	7.5	7.9	8.3	8.9	9.2	9.9	10.8	12.1
33	25+92.6	-20.1	7.0	7.1	7.2	7.6	7.6	7.7	7.9	8.2	8.4	9.1	9.3	10.4	11.6
40	25+75.0	-24.1	7.0	7.8	7.2	7.9	8.1	8.5	9.1	9.2	10.0	10.9	11.6	13.7	13.9
41	25+75.0	-24.1	7.0	7.6	7.0	7.2	8.1	8.0	8.3	8.5	8.7	9.3	10.1	10.8	12.1
42	25+70.0	-24.0	7.0	7.4	6.9	7.3	7.5	7.6	8.0	8.3	8.5	8.9	9.9	10.8	12.1
43	25+70.0	-24.0	7.0	8.0	7.0	7.2	7.7	7.6	8.5	8.7	9.3	9.7	10.3	11.6	13.1
44	25+65.0	-23.1	7.0	7.7	7.0	7.7	7.8	7.8	8.4	8.5	8.9	9.6	10.2	11.4	12.5
45	25+65.0	-23.1	7.0	7.9	7.4	7.5	7.8	7.9	8.0	8.5	8.8	9.4	9.9	10.7	11.9
46	25+65.0	-23.1	7.0	8.1	8.5	8.2	8.9	8.5	9.8	9.7	9.9	10.7	11.2	12.3	13.4
47	25+60.0	-22.7	7.0	7.1	6.4	6.9	7.4	7.7	8.1	8.2	8.8	9.5	10.0	11.1	12.2
48	25+60.0	-22.7	7.0	7.6	6.9	7.1	7.7	7.6	8.2	8.4	8.6	9.0	9.7	10.6	11.9
49	25+60.0	-22.7	7.0	7.9	7.9	7.9	8.1	8.1	8.5	9.1	9.2	9.9	10.1	11.2	12.3
50	25+60.0	-22.7	7.0	8.2	7.7	7.7	8.3	8.4	9.0	8.8	8.9	9.8	10.2	11.4	12.5
51	25+50.0	-22.1	7.0	7.1	7.3	7.4	7.9	8.0	8.7	8.5	8.8	9.4	9.9	11.1	11.7
52	25+50.0	-22.1	7.0	7.5	7.1	7.4	8.2	8.0	8.6	8.8	9.0	9.9	10.2	11.1	12.7
53	25+50.0	-22.1	7.0	7.5	7.7	7.5	8.0	8.1	9.0	8.4	9.2	10.0	10.4	11.6	12.5
54	25+50.0	-22.1	7.0	7.9	7.6	7.7	8.3	8.3	8.6	8.9	9.3	9.8	10.4	11.8	12.6
55	25+40.0	-21.5	7.0	7.5	7.5	7.7	8.5	8.2	8.6	8.8	9.2	9.7	10.3	11.3	12.5
56	25+40.0	-21.5	7.0	7.7	7.4	7.6	8.2	8.4	8.7	9.2	9.4	9.9	10.5	11.4	12.7
57	25+40.0	-21.5	7.0	7.5	8.0	8.0	8.4	8.3	8.7	9.0	9.2	9.5	10.7	11.6	12.5
58	25+40.0	-21.5	7.0	7.1	7.6	7.7	8.0	8.3	8.5	8.8	8.9	9.6	10.3	11.4	12.5
59	25+30.0	-20.9	7.0	8.0	7.7	7.9	8.2	8.6	9.0	9.1	9.8	9.9	11.1	11.8	12.4
60	25+30.0	-20.9	7.0	6.7	6.5	6.2	6.1	5.9	5.9	6.1	6.4	6.8	7.2	8.2	9.0
61	25+30.0	-20.9	7.0	7.1	7.9	7.7	8.3	8.0	8.6	8.8	9.3	9.6	10.4	11.7	12.8
62	25+30.0	-20.9	7.0	7.5	8.0	7.9	8.2	8.6	8.6	9.1	9.2	9.8	10.3	11.7	12.9
63	25+25.0	-20.6	7.0	7.5	7.8	7.7	8.2	8.5	8.8	9.3	9.4	9.9	10.3	11.5	12.4
64	25+25.0	-20.6	7.0	7.6	7.7	8.3	8.2	8.6	8.6	9.4	9.5	9.9	10.5	11.4	13.0
65	25+25.0	-20.6	7.0	7.1	7.6	7.6	7.8	8.2	8.5	8.7	9.2	9.5	10.1	11.5	12.4
66	25+25.0	-20.6	7.0	7.2	7.8	7.8	8.0	8.4	8.6	8.6	9.0	9.4	10.1	11.1	12.1
68	25+23.0	-20.6	7.0	7.0	7.0	7.3	7.7	8.2	8.2	8.6	8.6	9.4	9.9	11.2	12.0
69	25+23.0	-20.6	7.0	7.7	7.9	8.3	8.2	8.3	8.8	9.4	9.0	9.9	10.8	11.7	12.6

Average Piezometer Readings, Prototype Feet of Water

T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4	T=360 LC=13.5	T=420 LC=14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8
7.9	8.3	8.9	9.2	9.9	10.8	12.1	13.3	14.4	15.8	11.9	-0.3	-6.9	-2.8	1.7	5.6
7.9	8.2	8.4	9.1	9.3	10.4	11.6	12.8	14.1	14.9	17.1	20.1	22.3	24.6	26.6	29.4
9.1	9.2	10.0	10.9	11.6	13.7	13.9	13.9	14.7	16.1	15.8	10.9	8.1	12.0	14.0	17.5
8.3	8.5	8.7	9.3	10.1	10.8	12.1	13.0	14.2	15.0	14.3	11.1	9.9	11.6	13.1	18.9
8.0	8.3	8.5	8.9	9.9	10.8	12.1	13.5	14.5	15.7	15.2	10.5	6.6	10.8	11.5	14.7
8.5	8.7	9.3	9.7	10.3	11.6	13.1	14.4	15.5	16.9	15.0	5.4	2.3	8.1	10.0	13.6
8.4	8.5	8.9	9.6	10.2	11.4	12.5	13.9	14.9	15.9	15.7	11.8	11.3	12.5	16.2	18.8
8.0	8.5	8.8	9.4	9.9	10.7	11.9	13.0	14.0	15.2	15.7	12.6	13.1	14.6	16.7	20.1
9.8	9.7	9.9	10.7	11.2	12.3	13.4	14.9	15.6	16.6	24.7	35.9	42.2	47.1	42.3	46.7
8.1	8.2	8.8	9.5	10.0	11.1	12.2	13.7	14.5	15.8	16.6	13.7	9.7	13.9	19.3	21.9
8.2	8.4	8.6	9.0	9.7	10.6	11.9	13.0	14.0	14.9	15.4	11.2	11.9	16.4	18.4	20.3
8.5	9.1	9.2	9.9	10.1	11.2	12.3	13.5	14.5	15.5	16.7	15.3	14.5	15.7	18.5	21.0
9.0	8.8	8.9	9.8	10.2	11.4	12.5	13.5	14.4	15.7	16.4	12.6	15.0	17.5	18.1	20.3
8.7	8.5	8.8	9.4	9.9	11.1	11.7	13.1	14.3	15.3	16.0	15.0	17.1	19.0	22.0	23.6
8.6	8.8	9.0	9.9	10.2	11.1	12.7	13.8	14.6	15.8	17.4	16.7	16.8	19.0	23.9	23.3
9.0	8.4	9.2	10.0	10.4	11.6	12.5	13.7	14.3	15.9	18.8	20.2	22.6	23.1	26.0	29.5
8.6	8.9	9.3	9.8	10.4	11.8	12.6	13.6	14.7	15.8	19.3	19.4	22.6	23.0	28.1	30.1
8.6	8.8	9.2	9.7	10.3	11.3	12.5	13.7	14.7	15.6	17.4	19.3	22.3	23.5	27.3	27.9
8.7	9.2	9.4	9.9	10.5	11.4	12.7	13.6	14.6	15.7	16.4	17.6	21.5	23.6	26.2	28.1
8.7	9.0	9.2	9.5	10.7	11.6	12.5	13.7	14.9	15.7	19.1	21.7	25.5	27.0	29.8	31.6
8.5	8.8	8.9	9.6	10.3	11.4	12.5	13.5	14.8	15.7	18.3	21.5	24.7	27.2	29.5	30.8
9.0	9.1	9.8	9.9	11.1	11.8	12.4	14.4	14.2	14.9	15.8	17.1	21.0	22.8	25.1	27.2
5.9	6.1	6.4	6.8	7.2	8.2	9.0	10.4	11.9	12.5	13.7	14.6	17.6	20.0	22.3	24.4
8.6	8.8	9.3	9.6	10.4	11.7	12.8	13.6	14.7	15.4	18.3	21.0	23.9	26.4	28.4	30.3
8.6	9.1	9.2	9.8	10.3	11.7	12.9	13.7	14.6	15.8	19.0	23.1	25.6	28.3	30.5	32.8
8.8	9.3	9.4	9.9	10.3	11.5	12.4	13.8	15.1	15.9	17.9	20.7	24.9	26.8	29.1	31.2
8.6	9.4	9.5	9.9	10.5	11.4	13.0	13.8	15.0	15.9	17.1	18.4	21.6	23.7	26.0	28.0
8.5	8.7	9.2	9.5	10.1	11.5	12.4	13.4	14.9	15.7	17.5	17.2	18.8	20.4	23.4	25.5
8.6	8.6	9.0	9.4	10.1	11.1	12.1	13.2	14.3	15.3	17.7	22.9	28.8	30.9	33.5	34.9
8.2	8.6	8.6	9.4	9.9	11.2	12.0	13.2	14.5	15.2	15.5	17.4	21.2	23.5	26.0	28.1
8.8	9.4	9.0	9.9	10.9	11.7	12.6	14.0	14.8	15.8	18.2	18.7	21.7	22.8	25.1	27.5

eadings, Prototype Feet of Water

T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T=660 LC=34.2	T=720 LC=40.1	T=780 LC=45.0	T=840 LC=50.1	T=900 LC=54.4	T=1020 LC=61.7	T=1260 LC=71.7
15.8	11.9	-0.3	-6.9	-2.8	1.7	5.6	13.7	23.4	31.0	37.5	44.7	55.3	70.0
14.9	17.1	20.1	22.3	24.6	26.6	29.4	34.3	40.5	45.6	50.1	54.3	61.7	71.2
16.1	15.8	10.9	8.1	12.0	14.0	17.5	26.0	29.5	36.1	42.1	47.9	57.6	70.6
15.0	14.3	11.1	9.9	11.6	13.1	18.9	25.7	30.9	38.8	45.3	50.5	58.9	71.1
15.7	15.2	10.5	6.6	10.8	11.5	14.7	21.8	29.7	36.0	42.3	48.2	58.0	71.2
16.9	15.0	5.4	2.3	8.1	10.0	13.6	22.2	31.6	38.8	45.8	53.2	60.4	69.7
15.9	15.7	11.8	11.3	12.5	16.2	18.8	27.1	33.3	39.0	44.6	50.3	59.4	71.0
15.2	15.7	12.6	13.1	14.6	16.7	20.1	27.6	34.8	40.6	46.2	50.9	59.3	70.7
16.6	24.7	35.9	42.2	47.1	42.3	46.7	51.3	52.1	58.6	59.6	64.9	69.6	73.8
15.8	16.6	13.7	9.7	13.9	19.3	21.9	29.0	34.9	38.8	46.3	50.2	60.7	71.4
14.9	15.4	11.2	11.9	16.4	18.4	20.3	25.2	33.1	40.5	45.3	49.9	59.3	70.7
15.5	16.7	15.3	14.5	15.7	18.5	21.0	28.7	35.7	41.2	46.3	51.3	59.4	71.0
15.7	16.4	12.6	15.0	17.5	18.1	20.3	31.2	37.4	41.9	45.7	53.7	60.3	71.6
15.3	16.0	15.0	17.1	19.0	22.0	23.6	30.3	37.1	41.8	47.2	52.1	59.3	67.3
15.8	17.4	16.7	16.8	19.0	23.9	23.3	32.6	38.0	42.9	51.2	55.3	64.6	70.8
15.9	18.8	20.2	22.6	23.1	26.0	29.5	36.1	40.7	46.3	50.7	55.4	62.3	71.6
15.8	19.3	19.4	22.6	23.0	28.1	30.1	34.8	42.1	45.1	49.6	56.9	62.5	71.9
15.6	17.4	19.3	22.3	23.5	27.3	27.9	34.1	40.7	45.7	50.7	54.5	62.4	71.8
15.7	16.4	17.6	21.5	23.6	26.2	28.1	33.5	40.4	45.0	50.0	54.6	61.9	72.0
15.7	19.1	21.7	25.5	27.0	29.8	31.6	37.7	43.1	47.7	52.6	57.1	63.2	72.3
15.7	18.3	21.5	24.7	27.2	29.5	30.8	37.1	42.4	47.2	51.7	55.4	62.6	72.0
14.9	15.8	17.1	21.0	22.8	25.1	27.2	33.6	39.2	44.5	49.1	52.8	60.0	70.5
12.5	13.7	14.6	17.6	20.0	22.3	24.4	31.1	36.7	42.1	46.9	51.1	58.4	69.1
15.4	18.3	21.0	23.9	26.4	28.4	30.3	36.6	41.9	47.1	51.5	55.8	62.6	72.0
15.8	19.0	23.1	25.6	28.3	30.5	32.8	38.7	44.2	48.2	53.1	57.1	63.3	72.7
15.9	17.9	20.7	24.9	26.8	29.1	31.2	36.9	42.3	47.5	51.7	56.0	62.7	72.1
15.9	17.1	18.4	21.6	23.7	26.0	28.0	34.7	40.3	45.2	50.9	54.7	62.1	71.5
15.7	17.5	17.2	18.8	20.4	23.4	25.5	32.3	38.7	44.5	49.6	54.0	61.5	72.0
15.3	17.7	22.9	28.8	30.9	33.5	34.9	39.8	44.9	49.3	53.4	57.0	63.4	71.6
15.2	15.5	17.4	21.2	23.5	26.0	28.1	34.4	39.8	45.3	50.0	54.2	61.7	71.8
15.8	18.2	18.7	21.7	22.8	25.1	27.5	33.6	40.2	45.8	50.2	54.4	61.8	71.6

Table A21 (Continued)

Piezometer Location															
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.1	T=45 LC=7.4	T=60 LC=7.7	T=75 LC=8.0	T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4
70	25+23.0	-20.6	7.0	7.4	8.0	8.0	8.4	8.3	8.8	8.9	9.3	10.1	10.5	11.8	12.9
71	25+10.2	-24.25	7.0	7.5	7.7	7.8	8.2	8.4	8.7	9.2	9.5	10.0	10.4	11.8	12.9
71A	25+10.2	-24.25	7.0	7.4	7.6	7.5	8.1	8.7	8.8	8.9	9.1	9.7	10.3	11.9	12.5
72	25+00.2	-24.25	7.0	7.2	7.9	8.0	8.3	8.4	8.8	9.3	9.6	9.9	10.6	11.9	12.8
73	24+90.2	-24.25	7.0	7.2	8.0	8.2	8.7	8.5	9.0	9.4	9.8	10.3	10.7	11.9	12.9
74	24+80.2	-24.25	7.0	7.3	7.8	8.2	8.7	8.8	9.1	9.1	9.8	10.4	10.8	12.2	12.8
75	24+70.2	-24.25	7.0	7.3	8.0	8.1	8.6	9.1	8.9	9.4	9.7	9.9	10.8	11.9	13.0
76	24+60.2	-24.25	7.0	7.0	8.1	7.9	8.3	8.7	9.0	9.3	9.5	9.9	10.6	11.8	12.9
77	24+50.2	-24.25	7.0	7.5	8.3	8.5	8.8	8.9	9.4	9.6	9.9	10.7	11.3	12.2	13.3
78	24+40.2	-24.25	7.0	7.1	7.9	8.2	8.9	8.9	9.2	9.4	9.7	10.3	10.9	12.1	13.1
79	24+30.2	-24.25	7.0	7.0	7.5	8.2	8.6	8.5	8.8	9.0	9.3	10.2	10.6	11.6	12.7
79A	24+30.2	-24.25	7.0	7.0	7.3	7.6	8.0	8.0	8.6	8.7	9.1	9.5	10.3	11.5	12.2
80	26+17.0	-28.4	7.0	7.8	6.6	7.3	7.3	7.7	8.0	8.2	8.4	9.2	9.8	11.0	12.2
81	26+06.0	-28.4	7.0	8.4	7.7	7.8	8.2	8.6	8.8	9.0	9.4	10.1	10.8	11.9	13.0
82	26+22.4	-28.4	7.0	7.8	6.7	7.1	7.4	7.6	8.0	8.3	8.7	9.2	9.9	11.1	12.4
83	26+13.9	-28.4	7.0	8.2	7.6	8.0	8.5	8.6	8.8	9.0	9.5	10.2	10.8	11.8	13.1
84	26+30.3	-28.4	7.0	7.5	6.7	7.0	7.5	7.6	8.1	8.2	8.9	9.2	9.8	11.1	12.1
85	26+25.7	-28.4	7.0	7.7	7.3	7.6	8.1	8.4	8.6	8.7	9.3	10.0	10.4	11.6	13.0
92	26+43.3	-24.1	7.0	7.5	7.1	7.5	7.7	7.9	8.3	8.7	9.0	9.6	10.4	11.0	12.2
93	26+43.3	-24.1	7.0	7.6	7.0	7.1	7.7	7.3	8.3	8.2	8.6	9.2	9.9	10.8	12.2
94	26+48.3	-24.0	7.0	7.5	6.9	7.3	7.9	7.9	8.1	8.5	9.0	9.2	9.8	11.0	12.2
95	26+48.3	-24.0	7.0	7.6	7.1	7.5	7.7	8.0	8.0	8.5	8.9	9.5	10.1	11.6	13.0
96	26+53.3	-23.1	7.0	7.4	6.9	7.3	7.3	7.7	8.1	8.3	8.7	9.6	9.6	11.1	12.0
97	26+53.3	-23.1	7.0	7.7	7.0	7.6	7.2	7.8	8.1	8.4	8.9	9.5	9.9	11.0	12.2
98	26+53.3	-23.1	7.0	7.7	7.9	7.9	8.3	8.5	9.4	9.1	9.8	10.3	10.8	11.8	12.8
99	26+58.3	-22.7	7.0	7.6	7.1	7.5	7.9	8.1	8.2	8.6	9.0	9.6	10.1	11.1	12.4
100	26+58.3	-22.7	7.0	7.6	6.9	7.4	7.8	8.0	8.4	8.5	8.9	9.2	9.9	11.0	12.3
101	26+58.3	-22.7	7.0	7.7	7.1	7.3	7.9	8.0	8.4	8.4	8.8	9.3	9.9	11.0	12.2
102	26+58.3	-22.7	7.0	7.8	7.6	7.7	8.0	7.9	8.7	8.3	8.9	9.5	10.4	11.4	12.2
103	26+68.3	-22.1	7.0	7.9	7.5	7.9	8.3	8.6	8.8	9.1	9.5	9.9	10.3	11.4	12.5
104	26+68.3	-22.1	7.0	7.9	7.6	8.0	8.2	8.5	8.9	9.1	9.3	10.0	10.6	11.4	12.6

Average Piezometer Readings, Prototype Feet of Water

T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4	T=360 LC=13.5	T=420 LC=14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T= LC
8.8	8.9	9.3	10.1	10.5	11.8	12.9	13.9	14.9	15.9	20.2	25.4	30.2	31.7	33.7	35.7	40
8.7	9.2	9.5	10.0	10.4	11.8	12.9	13.8	15.0	15.6	19.5	23.9	28.1	30.5	32.2	34.6	39
8.8	8.9	9.1	9.7	10.3	11.9	12.5	13.9	14.9	15.8	17.6	18.4	21.9	24.9	27.1	29.3	35
8.8	9.3	9.6	9.9	10.6	11.9	12.8	13.8	15.1	15.9	20.1	26.0	30.7	32.8	34.4	36.5	41
9.0	9.4	9.8	10.3	10.7	11.9	12.9	14.2	15.0	15.9	20.1	27.4	33.0	35.2	36.6	38.9	43
9.1	9.1	9.8	10.4	10.8	12.2	12.8	14.0	15.1	15.9	19.5	27.1	34.6	36.9	37.9	40.0	44
8.9	9.4	9.7	9.9	10.8	11.9	13.0	14.1	15.1	16.3	20.3	29.3	36.3	39.0	40.1	41.8	46
9.0	9.3	9.5	9.9	10.6	11.8	12.9	13.8	15.2	16.2	19.9	30.2	37.8	39.7	41.2	42.8	46
9.4	9.6	9.9	10.7	11.3	12.2	13.3	14.2	15.3	16.3	20.5	31.2	39.2	41.3	42.1	44.4	48
9.2	9.4	9.7	10.3	10.9	12.1	13.1	14.2	14.8	16.1	20.4	31.1	40.3	41.8	42.8	44.6	48
8.8	9.0	9.3	10.2	10.6	11.6	12.7	14.0	15.1	15.6	19.0	29.7	38.8	40.9	42.3	44.0	47
8.6	8.7	9.1	9.5	10.3	11.5	12.2	13.6	14.6	15.5	17.2	20.7	24.7	27.0	29.0	31.0	37
8.0	8.2	8.4	9.2	9.8	11.0	12.2	13.2	14.5	15.8	13.6	1.8	-1.0	0.7	4.8	8.2	17
8.8	9.0	9.4	10.1	10.8	11.9	13.0	14.1	15.1	16.6	21.2	24.2	25.2	27.9	29.9	31.8	38
8.0	8.3	8.7	9.2	9.9	11.1	12.4	13.4	14.4	16.0	13.7	2.0	-0.5	1.5	3.9	8.1	18
8.8	9.0	9.5	10.2	10.8	11.8	13.1	14.2	15.3	16.7	20.8	24.1	25.1	26.9	29.0	31.3	38
8.1	8.2	8.9	9.2	9.8	11.1	12.1	13.5	14.3	15.4	13.6	2.5	-2.8	0.4	3.3	6.6	16
8.6	8.7	9.3	10.0	10.4	11.6	13.0	13.8	14.9	15.9	19.9	23.3	24.7	27.0	28.9	30.8	36
8.3	8.7	9.0	9.6	10.4	11.0	12.2	13.5	14.4	15.2	15.1	9.7	7.6	10.6	13.5	16.7	24
8.3	8.2	8.6	9.2	9.9	10.8	12.2	13.1	14.4	15.5	14.5	7.7	8.7	11.8	11.1	15.2	24
8.1	8.5	9.0	9.2	9.8	11.0	12.2	13.4	14.3	15.6	15.4	12.0	16.2	7.5	8.6	15.2	19
8.0	8.5	8.9	9.5	10.1	11.6	13.0	14.5	17.4	17.8	17.4	12.0	7.5	11.1	13.3	16.2	21
8.1	8.3	8.7	9.6	9.6	11.1	12.0	13.0	14.2	15.3	15.4	12.4	15.2	17.5	19.5	20.3	30
8.1	8.4	8.9	9.5	9.9	11.0	12.2	13.2	14.3	15.5	15.4	6.3	9.7	9.8	16.5	19.1	23
9.4	9.1	9.8	10.3	10.8	11.8	12.8	14.3	15.1	16.4	22.7	34.6	43.2	43.5	42.0	45.4	4
8.2	8.6	9.0	9.6	10.1	11.1	12.4	13.2	14.6	15.5	15.8	13.4	13.2	19.7	22.6	23.4	3
8.4	8.5	8.9	9.2	9.9	11.0	12.3	13.2	14.2	15.5	15.8	12.4	12.6	18.8	22.4	22.4	3
8.4	8.4	8.8	9.3	9.9	11.0	12.2	13.2	14.4	15.4	15.9	12.7	13.2	18.6	22.2	22.9	3
8.7	8.3	8.9	9.5	10.4	11.4	12.2	13.7	14.7	15.9	16.9	14.6	16.3	18.8	16.9	26.8	2
8.8	9.1	9.5	9.9	10.3	11.4	12.5	13.5	14.9	15.9	16.6	14.4	19.2	19.6	25.7	27.2	3
8.9	9.1	9.3	10.0	10.6	11.4	12.6	13.7	14.9	15.8	16.9	16.0	19.5	21.8	26.2	26.3	3

er Readings, Prototype Feet of Water

0 4.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T=660 LC=34.2	T=720 LC=40.1	T=780 LC=45.0	T=840 LC=50.1	T=900 LC=54.4	T=1020 LC=61.7	T=1260 LC=71.7
	15.9	20.2	25.4	30.2	31.7	33.7	35.7	40.5	44.9	49.6	53.7	57.6	63.9	74.1
	15.6	19.5	23.9	28.1	30.5	32.2	34.6	39.8	45.0	49.2	54.0	57.4	63.8	72.6
	15.8	17.6	18.4	21.9	24.9	27.1	29.3	35.6	41.2	47.3	51.9	56.3	61.4	71.6
	15.9	20.1	26.0	30.7	32.8	34.4	36.5	41.6	46.7	50.9	55.0	58.7	64.5	72.9
	15.9	20.1	27.4	33.0	35.2	36.6	38.9	43.9	48.1	52.3	56.0	58.9	64.9	73.0
	15.9	19.5	27.1	34.6	36.9	37.9	40.0	44.4	48.9	52.8	56.3	59.6	65.3	73.0
	16.3	20.3	29.3	36.3	39.0	40.1	41.8	46.1	50.1	53.8	57.6	60.5	65.7	73.3
	16.2	19.9	30.2	37.8	39.7	41.2	42.8	46.7	50.6	54.2	57.9	60.8	66.0	73.2
	16.3	20.5	31.2	39.2	41.3	42.1	44.4	48.0	51.6	55.1	58.4	61.4	66.8	73.6
	16.1	20.4	31.1	40.3	41.8	42.8	44.6	48.4	52.4	55.6	58.7	61.8	66.5	73.4
	15.6	19.0	29.7	38.8	40.9	42.3	44.0	47.6	51.5	55.0	58.2	61.2	65.8	73.1
	15.5	17.2	20.7	24.7	27.0	29.0	31.0	37.2	42.8	47.6	51.9	55.7	62.3	70.7
	15.8	13.6	1.8	-1.0	0.7	4.8	8.2	17.1	25.0	32.6	39.4	46.1	56.4	69.8
	16.6	21.2	24.2	25.2	27.9	29.9	31.8	38.2	42.7	48.0	52.7	56.4	63.5	72.3
	16.0	13.7	2.0	-0.5	1.5	3.9	8.1	18.0	25.7	33.2	40.7	46.3	57.1	70.2
	16.7	20.8	24.1	25.1	26.9	29.0	31.3	38.0	42.7	47.3	52.5	56.0	62.9	72.2
	15.4	13.6	2.5	-2.8	0.4	3.3	6.6	16.0	24.4	32.5	39.5	45.6	56.5	70.3
	15.9	19.9	23.3	24.7	27.0	28.9	30.8	36.8	42.1	47.4	52.3	56.2	63.0	72.2
	15.2	15.1	9.7	7.6	10.6	13.5	16.7	24.9	30.6	37.2	44.3	48.0	57.7	70.4
	15.5	14.5	7.7	8.7	11.8	11.1	15.2	24.2	29.8	37.2	42.7	48.8	58.0	70.3
	15.6	15.4	12.0	16.2	7.5	8.6	15.2	19.4	34.0	38.4	40.7	52.0	58.8	70.6
	17.8	17.4	12.0	7.5	11.1	13.3	16.2	21.8	27.7	34.0	40.5	45.3	54.4	68.3
	15.3	15.4	12.4	15.2	17.5	19.5	20.3	30.4	34.8	40.1	47.1	50.4	59.0	70.8
	15.5	15.4	6.3	9.7	9.8	16.5	19.1	25.0	32.1	39.5	47.0	48.9	59.0	70.8
	16.4	22.7	34.6	43.2	43.5	42.0	45.4	45.4	52.0	55.4	58.8	62.0	65.7	73.6
	15.5	15.8	13.4	13.2	19.7	22.6	23.4	31.6	36.5	41.1	45.7	51.3	59.1	70.7
	15.5	15.8	12.4	12.6	18.8	22.4	22.4	31.6	36.0	40.7	45.3	50.9	59.3	70.8
	15.4	15.9	12.7	13.2	18.6	22.2	22.9	31.4	35.7	40.8	45.7	51.2	59.2	70.8
	15.9	16.9	14.6	16.3	18.8	16.9	26.8	29.3	36.0	42.9	51.3	57.2	59.4	70.5
	15.9	16.6	14.4	19.2	19.6	25.7	27.2	31.7	38.2	43.1	49.1	52.9	61.6	71.0
	15.8	16.9	16.0	19.5	21.8	26.2	26.3	32.4	36.9	44.2	50.2	53.7	61.1	71.3

Table A21 (Continued)

Piezometer Location														
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.1	T=45 LC=7.4	T=60 LC=7.7	T=75 LC=8.0	T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=1
105	26+68.3	-22.1	7.0	8.0	7.5	8.0	8.1	8.4	9.0	8.9	9.2	10.0	10.7	11.9	12.7
106	26+68.3	-22.1	7.0	7.7	7.1	7.9	8.1	8.3	8.5	8.9	9.2	9.7	10.3	11.5	12.3
107	26+78.3	-21.5	7.0	7.4	7.1	7.4	7.9	8.1	8.4	8.6	8.8	9.7	10.2	11.3	12.5
108	26+78.3	-21.5	7.0	7.7	7.3	7.7	8.1	8.1	8.7	8.9	9.3	9.9	10.3	11.4	12.5
109	26+78.3	-21.5	7.0	8.0	7.9	7.7	8.1	8.4	8.9	9.1	9.5	9.9	10.4	11.7	12.4
110	26+78.3	-21.5	7.0	7.3	7.3	7.7	7.8	8.2	8.8	8.9	9.4	10.0	10.4	11.5	12.9
111	26+88.3	-20.9	7.0	7.7	7.6	7.8	8.1	8.5	8.8	8.9	9.3	9.9	10.5	11.4	12.7
112	26+88.3	-20.9	7.0	7.4	7.0	7.5	7.8	7.7	8.2	8.5	8.9	9.6	9.7	10.9	12.0
113	26+88.3	-20.9	7.0	7.6	7.7	7.9	8.1	8.5	8.6	8.7	9.2	10.0	10.3	11.7	12.6
114	26+88.3	-20.9	7.0	7.6	7.9	7.7	8.2	8.3	8.9	9.2	9.5	10.0	10.7	11.7	12.9
115	26+93.3	-20.6	7.0	7.5	7.5	7.7	8.0	8.2	8.6	8.6	9.2	9.5	10.0	11.3	12.2
116	26+93.3	-20.6	7.0	7.6	7.5	7.6	8.4	8.4	8.8	8.9	9.3	10.0	10.7	11.8	12.8
117	26+93.3	-20.6	7.0	7.9	7.7	7.9	8.1	8.3	8.7	8.7	9.3	9.9	10.4	11.5	12.6
118	26+93.3	-20.6	7.0	7.3	8.1	8.0	8.3	8.4	8.9	9.0	9.2	9.9	10.4	11.3	12.6
119	26+95.3	-20.6	7.0	7.2	7.4	7.7	7.8	8.1	8.5	8.7	9.3	9.7	10.2	11.2	12.4
120	26+95.3	-20.6	7.0	7.5	7.2	7.6	8.0	8.6	8.8	9.0	9.4	10.0	10.4	11.6	12.6
121	26+95.3	-20.6	7.0	7.3	7.3	7.6	7.8	8.3	8.6	9.2	9.2	9.8	10.6	11.7	12.6
122	26+95.3	-20.6	7.0	7.3	7.7	7.9	8.2	8.2	8.7	9.0	9.3	9.5	10.4	11.4	12.4
123	27+08.1	-24.25	7.0	7.4	7.4	7.6	7.9	8.0	8.9	8.9	9.3	9.6	10.3	11.5	12.3
123A	27+08.1	-24.25	7.0	7.6	7.3	7.6	8.2	8.5	8.7	9.0	9.3	9.8	10.3	11.4	12.4
124	27+18.1	-24.25	7.0	7.1	7.7	8.0	8.2	8.4	9.0	9.3	9.4	9.9	10.4	11.6	12.9
125	27+28.1	-24.25	7.0	7.4	8.1	8.0	8.3	8.6	9.1	9.4	9.6	10.1	10.9	11.8	12.8
126	27+38.1	-24.25	7.0	7.1	8.1	7.9	8.4	8.6	8.9	9.3	9.6	10.1	10.8	12.0	13.0
127	27+48.1	-24.25	7.0	7.2	8.1	8.0	8.4	8.7	8.9	9.3	9.4	10.0	10.8	11.8	13.0
128	27+58.1	-24.25	7.0	7.3	8.1	8.2	8.6	8.8	9.0	9.2	9.9	10.3	10.9	12.1	13.1
129	27+68.1	-24.25	7.0	7.0	7.8	8.2	8.4	8.7	8.9	9.3	9.5	10.1	10.6	11.9	13.0
130	27+78.1	-24.25	7.0	7.2	8.0	8.4	8.5	8.8	9.4	9.5	9.9	10.3	11.2	12.3	13.4
131	27+88.1	-24.25	7.0	6.9	7.9	7.9	8.5	8.6	8.9	9.1	9.5	10.2	10.8	11.7	12.9
131A	27+88.1	-24.25	7.0	6.9	7.6	7.7	8.1	8.2	8.7	9.0	9.1	9.9	10.5	11.7	12.7
161	22+57.6	-24.0	7.0	2.9	-4.0	-2.2	-0.6	-2.5	-2.0	-1.3	1.0	-1.6	-0.1	2.2	4.5
162	22+57.6	-26.4	7.0	6.9	5.7	4.8	3.6	2.7	2.3	1.9	1.6	1.0	1.1	1.7	

Average Piezometer Readings, Prototype Feet of Water

T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4	T=360 LC=13.5	T=420 LC=14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T= LC
9.0	8.9	9.2	10.0	10.7	11.9	12.7	13.9	15.0	16.1	18.3	19.8	19.5	24.5	24.3	27.3	34
8.5	8.9	9.2	9.7	10.3	11.5	12.3	13.6	14.5	15.6	17.4	18.1	21.3	23.0	24.9	26.7	32
8.4	8.6	8.8	9.7	10.2	11.3	12.5	13.7	14.8	15.6	17.0	19.5	20.8	24.7	27.1	27.5	3-
8.7	8.9	9.3	9.9	10.3	11.4	12.5	13.7	14.9	15.6	17.2	18.8	21.0	24.5	26.6	28.4	3-
8.9	9.1	9.5	9.9	10.4	11.7	12.4	13.7	14.5	15.4	18.0	20.6	23.1	25.1	28.2	30.1	3
8.8	8.9	9.4	10.0	10.4	11.5	12.9	13.8	14.8	15.9	18.4	20.4	25.4	23.9	28.3	30.2	3
8.8	8.9	9.3	9.9	10.5	11.4	12.7	13.6	14.8	15.6	17.9	20.6	23.1	26.3	28.2	30.4	3
8.2	8.5	8.9	9.6	9.7	10.9	12.0	13.2	14.0	15.1	16.9	19.0	20.7	23.8	26.8	28.1	3-
8.6	8.7	9.2	10.0	10.3	11.7	12.6	13.9	14.8	15.9	17.9	19.6	23.4	24.2	27.2	30.0	3
8.9	9.2	9.5	10.0	10.7	11.7	12.9	13.9	15.0	16.0	19.1	23.0	27.6	28.2	31.5	32.8	3
8.6	8.6	9.2	9.5	10.0	11.3	12.2	13.3	14.6	15.3	17.1	19.9	23.4	25.8	28.0	30.3	3
8.8	8.9	9.3	10.0	10.7	11.8	12.8	13.8	15.0	15.9	17.1	18.9	21.2	24.0	26.1	28.7	3
8.7	8.7	9.3	9.9	10.4	11.5	12.6	13.8	14.8	15.9	17.1	17.0	20.3	21.2	24.2	26.9	3
8.9	9.0	9.2	9.9	10.4	11.3	12.6	13.7	14.6	15.3	18.7	24.2	29.6	30.9	33.5	35.6	4
8.5	8.7	9.3	9.7	10.2	11.2	12.4	13.5	14.4	15.3	16.9	19.4	23.5	25.8	27.5	29.7	3
8.8	9.0	9.4	10.0	10.4	11.6	12.6	13.7	14.9	15.7	17.0	18.4	21.6	23.8	26.4	28.5	3
8.6	9.2	9.2	9.8	10.6	11.7	12.6	13.6	14.8	15.6	16.5	17.6	20.9	22.5	24.8	28.1	3
8.7	9.0	9.3	9.5	10.4	11.4	12.4	13.4	14.7	15.6	18.5	23.3	28.0	29.6	32.4	34.7	3
8.9	8.9	9.3	9.6	10.3	11.5	12.3	13.4	14.6	15.4	18.0	21.6	24.6	27.2	29.7	31.7	3
8.7	9.0	9.3	9.8	10.3	11.4	12.4	13.9	14.7	15.9	17.5	19.7	22.7	25.8	27.0	29.4	3
9.0	9.3	9.4	9.9	10.4	11.6	12.9	14.0	14.8	15.8	18.9	24.2	28.0	30.1	32.0	34.6	3
9.1	9.4	9.6	10.1	10.9	11.8	12.8	14.0	14.9	16.2	19.1	25.4	30.0	31.1	33.0	34.8	3
8.9	9.3	9.6	10.1	10.8	12.0	13.0	14.3	15.3	16.3	19.5	26.5	31.5	32.9	35.2	37.4	4
8.9	9.3	9.4	10.0	10.8	11.8	13.0	14.2	15.0	15.9	19.1	26.6	32.2	33.7	35.7	37.6	4
9.0	9.2	9.9	10.3	10.9	12.1	13.1	14.1	15.0	16.0	19.4	27.1	32.8	34.9	36.5	38.3	4
8.9	9.3	9.5	10.1	10.6	11.9	13.0	13.9	15.3	16.3	19.3	27.3	33.4	35.3	36.8	39.0	4
9.4	9.5	9.9	10.3	11.2	12.3	13.4	14.6	15.7	16.6	20.2	29.2	35.6	37.6	39.5	41 5	4
8.9	9.1	9.5	10.2	10.8	11.7	12.9	14.0	15.0	16.1	18.9	27.2	33.8	36.0	37.6	39.3	4
8.7	9.0	9.1	9.9	10.5	11.7	12.7	13.7	14.9	15.6	17.5	21.3	25.4	27.5	29.4	31.4	3
-2.0	-1.3	1.0	-1.6	-0.4	2.2	4.5	4.9	7.2	9.3	17.3	44.0	41.9	43.4	44.6	45.9	5
.7 2.3	1.9	1.6	1.0	1.1	1.7	2.5	3.6	4.3	5.6	7.7	12.8	22.3	26.8	31.1	34.2	

ter Readings, Prototype Feet of Water

20 14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T=660 LC=34.2	T=720 LC=40.1	T=780 LC=45.0	T=840 LC=50.1	T=900 LC=54.4	T=1020 LC=61.7	T=1260 LC=71.7
	16.1	18.3	19.8	19.5	24.5	24.3	27.3	34.0	39.6	46.1	50.4	54.5	61.5	72.0
	15.6	17.4	18.1	21.3	23.0	24.9	26.7	32.1	39.3	44.3	49 0	53.2	60.3	70.7
	15.6	17.0	19.5	20.8	24.7	27.1	27.5	34.3	40.7	45.6	50.7	54.5	62.0	72.0
	15.6	17.2	18.8	21.0	24.5	26.6	28.4	34.1	40.7	45.9	50.8	54.3	61.7	71.9
	15.4	18.0	20.6	23.1	25.1	28.2	30.1	35.7	41.1	46.1	50.6	54.8	61.9	71.6
	15.9	18.4	20.4	25.4	23.9	28.3	30.2	36.0	42.0	46.1	51.3	55.0	60.3	67.4
	15.6	17.9	20.6	23.1	26.3	28.2	30.4	35.7	41.5	46.7	51.2	55.3	62.4	71.7
	15.1	16.9	19.0	20.7	23.8	26.8	28.1	34.3	40.3	45.3	50.2	54.9	61.9	71.8
	15.9	17.9	19.6	23.4	24.2	27.2	30.0	35.5	42.2	46.8	52.0	57.2	63.5	69.1
	16.0	19.1	23.0	27.6	28.2	31.5	32.8	38.0	44.1	47.7	52.8	57.1	63.5	72.2
	15.3	17.1	19.9	23.4	25.8	28.0	30.3	35.7	41.2	46.5	50.7	54.6	61.7	71.5
	15.9	17.1	18.9	21.2	24.0	26.1	28.7	35.0	40.4	45.7	50.4	54.9	61.8	71.8
	15.9	17.1	17.0	20.3	21.2	24.2	26.9	32.2	38.9	44.0	49.1	53.7	61.1	71.4
	15.3	18.7	24.2	29.6	30.9	33.5	35.6	40.0	45.1	49.3	52.8	56.5	62.1	70.8
	15.3	16.9	19.4	23.5	25.8	27.5	29.7	35.2	40.5	45.7	50.1	54.0	61.1	71.3
	15.7	17.0	18.4	21.6	23.8	26.4	28.5	34.6	40.3	45.8	50.3	54.6	61.7	71.7
	15.6	16.5	17.6	20.9	22.5	24.8	28.1	33.7	39.8	44.8	49.7	54.2	61.7	71.8
	15.6	18.5	23.3	28.0	29.6	32.4	34.7	39.4	44.3	48.9	53.1	57.1	63.7	72.5
	15.4	18.0	21.6	24.6	27.2	29.7	31.7	36.9	42.5	47.4	51.2	55.5	63.0	72.0
	15.9	17.5	19.7	22.7	25.8	27.0	29.4	35.8	41.5	46.6	51.2	55.4	62.1	71.9
	15.8	18.9	24.2	28.0	30.1	32.0	34.6	39.2	44.8	49.5	53.5	57.1	63.7	72.8
	16.2	19.1	25.4	30.0	31.1	33.0	34.8	39.8	44.3	48.3	52.1	55.1	60.9	72.0
	16.3	19.5	26.5	31.5	32.9	35.2	37.4	42.6	48.0	52.4	57.0	62.0	67.5	70.4
	15.9	19.1	26.6	32.2	33.7	35.7	37.6	42.5	47.2	51.3	54.8	58.5	64.4	72.8
	16.0	19.4	27.1	32.8	34.9	36.5	38 3	43.3	47.9	51.8	55.6	58.8	64.8	73.0
	16.3	19.3	27.3	33.4	35.3	36.8	39 0	43.7	48.1	51.9	55.7	59.3	65.1	73.2
	16.6	20.2	29.2	35.6	37.6	39.5	41 5	46.6	51.8	56.0	60.1	64.0	67.4	70.4
	16.1	18.9	27.2	33.8	36.0	37.6	39.3	44.1	48.6	52.4	56.1	59.3	65.1	72.9
	15.6	17.5	21.3	25.4	27.5	29.4	31.4	37.3	42.9	47.7	52.1	55.9	62.7	72.2
	9.3	17.3	44.0	41.9	43.4	44.6	45.9	50.1	53.9	57.3	60.3	63.0	67.6	73.6
4.3	5.6	7.7	12.8	22.3	26.8	31.1	34.2	42.1	47.7	52.2	56.2	59.4	64.8	72.3

Table A21 (Concluded)

Piezometer Location														
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.0	T=30 LC=7.1	T=45 LC=7.4	T=60 LC=7.7	T=75 LC=8.0	T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4
163	22+60.6	-24.0	7.0	1.3	-3.9	-2.5	-0.4	-2.9	-0.5	-2.7	-2.5	0.5	-1.7	1.4	3.2
164	22+60.6	-26.4	7.0	10.0	3.0	-0.4	1.5	-0.4	0.9	0.4	1.6	1.1	2.1	4.0	5.7

Average Piezometer Readings, Prototype Feet of Water

T=75 LC=8.0	T=90 LC=8.3	T=105 LC=8.8	T=120 LC=9.0	T=150 LC=9.4	T=180 LC=10.3	T=240 LC=11.3	T=300 LC=12.4	T=360 LC=13.5	T=420 LC=14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T L
-2.9	-0.5	-2.7	-2.5	0.5	-1.7	1.4	3.2	4.8	5.2	9.2	18.8	44.3	43.4	44.7	46.2	4
-0.4	0.9	0.4	1.6	1.1	2.1	4.0	5.7	6.0	8.0	8.6	18.9	43.8	43.5	44.8	46.1	4

eter Readings, Prototype Feet of Water

420 =14.5	T=470 LC=15.6	T=490 LC=16.1	T=510 LC=17.7	T=540 LC=21.16	T=560 LC=23.4	T=580 LC=25.6	T=600 LC=27.8	T=660 LC=34.2	T=720 LC=40.1	T=780 LC=45.0	T=840 LC=50.1	T=900 LC=54.4	T=1020 LC=61.7	T=1260 LC=71.7
	9.2	18.8	44.3	43.4	44.7	46.2	47.6	51.4	55.4	58.1	61.3	63.9	67.9	73.5
	8.6	18.9	43.8	43.5	44.8	46.1	47.9	51.1	55.1	58.1	61.0	63.7	67.7	73.7

(Sheet 5 of 5)

Table A22
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper Pool El 76

Piezometer Location																	Average P
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.3	T=45 LC=7.6	T=60 LC=7.9	T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T=360 LC=11.6	T LC
1	21+17.8	-16.0	76.5	76.2	76.5	76.4	76.6	76.6	76.4	76.6	76.8	76.4	76.8	76.9	76.9	76.6	7
2	21+25.2	-16.0	76.5	76.1	76.4	76.0	76.5	76.5	76.6	76.3	76.4	76.6	76.4	76.5	76.6	76.5	7
3	21+22.9	-16.0	76.5	76.4	76.2	76.3	76.4	76.3	76.3	76.5	76.4	76.6	76.4	76.4	76.1	76.4	7
4	21+29.5	-16.0	76.5	76.3	76.7	76.4	76.4	76.6	76.5	76.2	76.4	76.6	76.4	76.5	76.5	76.3	7
5	21+39.4	-16.0	76.5	76.1	76.1	76.4	76.1	76.2	76.5	76.0	76.3	76.2	76.2	76.4	76.3	76.5	7
6	21+36.2	-16.0	76.5	76.2	76.4	76.3	76.3	76.5	76.4	76.5	76.1	76.6	76.4	76.4	76.4	76.4	7
7	21+42.5	-16.0	76.5	76.0	76.4	76.3	76.5	76.2	76.5	76.4	76.3	76.4	76.4	76.2	76.3	76.0	7
8	21+53.8	-16.0	76.5	76.4	76.4	76.4	76.5	76.6	76.8	76.3	76.3	76.4	76.4	76.4	76.5	76.2	7
9	21+49.7	-16.0	76.5	75.7	76.4	76.6	76.3	76.5	76.4	76.1	76.2	76.1	76.6	76.4	76.2	76.4	7
10	21+55.9	-16.0	76.5	76.0	76.2	76.2	76.2	76.6	76.2	76.4	76.4	76.4	76.2	76.4	76.3	76.2	7
11	21+70.0	-13.6	76.5	75.5	76.2	76.3	75.9	75.9	76.1	76.1	76.0	76.3	76.0	76.5	76.1	75.8	7
12	21+85.0	-17.0	76.5	75.3	76.0	75.9	75.9	75.8	76.1	76.0	75.9	76.1	76.0	76.1	76.1	75.5	7
13	21+91.0	-17.0	76.5	75.5	76.0	75.9	75.9	76.0	76.0	76.0	76.1	76.2	76.1	76.0	76.2	76.1	7
14	22+05.0	-17.0	76.5	75.4	76.0	76.0	76.0	76.2	76.2	76.2	76.2	76.2	76.3	76.7	76.3	76.3	7
15	22+52.1	-17.0	7.0	1.3	0.6	1.2	0.8	1.9	1.7	1.8	1.7	1.7	2.8	3.8	4.9	5.6	5
16	22+53.5	-17.0	7.0	0.3	-2.3	-1.4	-0.8	-0.7	-0.8	0.7	1.8	1.1	0.9	1.2	3.7	4.5	5
17	22+59.1	-16.9	7.0	0.8	-1.6	1.1	1.3	1.2	2.0	2.3	2.8	0.9	2.0	3.7	4.2	4.7	6
18	22+62.6	-16.8	7.0	2.1	-1.2	3.3	1.3	0.9	2.1	3.0	2.8	1.7	4.0	5.4	4.4	4.1	6
19	22+69.1	-16.6	7.0	5.2	2.2	2.8	5.4	4.6	4.9	3.5	4.7	6.5	6.7	7.4	7.2	8.1	1
20	22+76.6	-16.5	7.0	7.0	5.1	5.7	6.0	5.8	7.2	5.9	5.7	7.3	7.7	9.2	9.2	9.5	1
21	22+90.6	-16.5	7.0	8.9	7.0	7.7	7.7	8.1	8.5	8.0	8.8	8.8	9.2	11.1	10.3	11.6	1
22	23+50.0	-16.5	7.0	8.4	6.8	8.1	8.6	8.6	8.3	8.4	9.2	9.3	9.9	10.8	11.0	12.2	1
23	24+50.0	-16.5	7.0	8.6	6.9	7.9	7.5	8.7	8.7	8.7	9.0	9.4	9.5	10.4	10.9	11.9	1
24	25+50.0	-16.5	7.0	8.1	6.7	7.9	7.6	8.7	8.6	8.3	9.3	9.3	9.6	10.5	10.9	11.8	1
25	26+04.3	-24.25	7.0	8.4	7.8	7.7	8.1	8.2	8.3	8.5	8.8	9.1	9.6	10.6	11.0	11.7	1
26	25+95.9	-24.25	7.0	8.0	7.3	7.3	7.5	7.6	8.0	7.9	8.3	8.5	8.8	9.7	10.7	11.2	1
27	26+09.2	-17.0	7.0	8.1	6.9	8.1	7.7	8.3	8.2	8.4	8.9	9.1	9.5	10.3	10.9	11.7	1
28	26+01.3	-20.1	7.0	7.7	6.5	7.7	7.3	8.0	8.0	8.1	8.4	8.9	9.2	9.9	10.7	11.9	1
29	26+12.4	-20.1	7.0	7.5	6.9	7.4	7.8	7.9	8.3	8.2	8.5	8.7	9.1	9.7	11.2	11.6	1
30	25+96.0	-20.1	7.0	7.1	6.5	7.3	7.1	7.6	7.9	7.7	8.3	8.5	8.8	9.9	10.4	11.4	1
31	26+04.5	-20.1	7.0	7.4	7.1	7.5	7.5	7.9	8.3	8.3	8.6	9.1	9.5	10.0	10.9	11.9	1

During Filling Operation, Type 14 Design, Upper Pool El 76.5 Ft, Lower Pool El 7 Ft, Lift 69.5 Ft, Stepped Valve Sc

Average Piezometer Readings, Prototype Feet of Water

T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T=360 LC=11.6	T=420 LC=12.3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8
76.6	76.4	76.6	76.8	76.4	76.8	76.9	76.9	76.6	76.9	76.7	76.9	76.0	75.6	75.6	75.6	75.9
76.5	76.6	76.3	76.4	76.6	76.4	76.5	76.6	76.5	76.6	76.6	75.7	73.5	73.5	74.2	74.0	73.9
76.3	76.3	76.5	76.4	76.6	76.4	76.4	76.1	76.4	76.6	76.3	75.6	73.7	73.5	73.4	73.8	73.9
76.6	76.5	76.2	76.4	76.6	76.4	76.5	76.5	76.3	76.0	76.6	75.7	75.3	74.5	74.4	74.4	74.2
76.2	76.5	76.0	76.3	76.2	76.2	76.4	76.3	76.5	76.5	76.2	75.5	72.1	71.4	71.5	71.7	71.6
76.5	76.4	76.5	76.1	76.6	76.4	76.4	76.4	76.4	76.4	76.5	75.7	72.3	71.4	71.9	71.9	71.9
76.2	76.5	76.4	76.3	76.4	76.4	76.2	76.3	76.0	76.4	76.3	75.2	67.6	65.9	66.4	66.6	67.0
76.6	76.8	76.3	76.3	76.4	76.4	76.4	76.5	76.2	76.5	76.4	75.3	71.1	69.9	70.1	70.1	70.6
76.5	76.4	76.1	76.2	76.1	76.6	76.4	76.2	76.4	76.4	76.3	74.9	69.7	69.1	69.2	69.6	69.7
76.6	76.2	76.4	76.4	76.4	76.2	76.4	76.3	76.2	76.3	76.1	74.5	66.8	63.7	63.9	64.4	65.0
75.9	76.1	76.1	76.0	76.3	76.0	76.5	76.1	75.8	76.0	76.1	71.8	49.5	43.4	44.0	45.7	47.2
75.8	76.1	76.0	75.9	76.1	76.0	76.1	76.1	75.5	76.1	76.0	71.2	48.2	42.5	43.4	44.8	46.1
76.0	76.0	76.0	76.1	76.2	76.1	76.0	76.2	76.1	76.1	75.9	71.4	50.0	45.0	46.1	47.0	48.9
76.2	76.2	76.2	76.2	76.2	76.3	76.7	76.3	76.3	76.3	76.3	71.2	47.7	42.1	43.4	44.9	46.0
1.9	1.7	1.8	1.7	1.7	2.8	3.8	4.9	5.6	5.4	6.2	10.6	40.8	38.3	40.5	41.8	43.6
-0.7	-0.8	0.7	1.8	1.1	0.9	1.2	3.7	4.5	5.2	2.9	9.9	37.5	31.8	33.2	36.2	37.6
1.2	2.0	2.3	2.8	0.9	2.0	3.7	4.2	4.7	6.5	6.2	10.9	41.3	40.2	42.7	43.7	45.5
0.9	2.1	3.0	2.8	1.7	4.0	5.4	4.4	4.1	6.8	7.5	11.4	42.2	41.5	42.5	44.3	46.2
4.6	4.9	3.5	4.7	6.5	6.7	7.4	7.2	8.1	10.8	8.7	13.7	40.9	39.7	41.4	42.4	44.4
5.8	7.2	5.9	5.7	7.3	7.7	9.2	9.2	9.5	10.3	12.1	18.7	40.4	39.4	40.7	42.5	44.3
8.1	8.5	8.0	8.8	8.8	9.2	11.1	10.3	11.6	12.2	13.0	26.4	39.6	38.7	40.3	41.8	43.5
8.6	8.3	8.4	9.2	9.3	9.9	10.8	11.0	12.2	13.3	13.5	27.6	38.0	37.3	38.8	40.6	42.3
8.7	8.7	8.7	9.0	9.4	9.5	10.4	10.9	11.9	12.5	13.4	23.9	32.4	33.4	35.9	37.7	38.3
8.7	8.6	8.3	9.3	9.3	9.6	10.5	10.9	11.8	12.7	13.4	21.6	31.5	32.4	35.8	36.8	38.1
8.2	8.3	8.5	8.8	9.1	9.6	10.6	11.0	11.7	12.9	13.0	19.5	34.7	39.1	41.4	42.6	44.6
7.6	8.0	7.9	8.3	8.5	8.8	9.7	10.7	11.2	11.9	12.6	15.5	16.1	15.3	16.9	19.0	21.4
8.3	8.2	8.4	8.9	9.1	9.5	10.3	10.9	11.7	12.7	13.1	18.2	23.6	24.6	26.8	28.9	31.7
8.0	8.0	8.1	8.4	8.9	9.2	9.9	10.7	11.9	12.4	13.1	13.8	-5.2	-8.8	-5.5	-1.8	1.3
7.9	8.3	8.2	8.5	8.7	9.1	9.7	11.2	11.6	12.1	12.5	16.4	22.8	26.0	28.4	29.9	32.0
7.6	7.9	7.7	8.3	8.5	8.8	9.9	10.4	11.4	12.1	12.6	12.9	-6.5	-9.0	-6.1	-2.2	0.8
7.9	8.3	8.3	8.6	9.1	9.5	10.0	10.9	11.9	12.5	13.1	16.8	21.9	25.7	27.1	29.5	31.5

Lower Pool El 7 Ft, Lift 69.5 Ft, Stepped Valve Schedule No. 2, Single Valve Operation

Readings, Prototype Feet of Water

T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8	T=660 LC=32.0	T=720 LC=38.2	T=780 LC=43.7	T=840 LC=48.5	T=900 LC=52.9	T=1020 LC=60.8	T=1260 LC=71.1
6.7	76.9	76.0	75.6	75.6	75.6	75.9	75.6	75.5	75.8	76.2	76.0	76.1	76.3
6.6	75.7	73.5	73.5	74.2	74.0	73.9	74.4	74.4	74.5	75.2	75.2	75.6	76.0
6.3	75.6	73.7	73.5	73.4	73.8	73.9	74.2	74.3	74.9	75.0	75.5	75.7	76.1
6.6	75.7	75.3	74.5	74.4	74.4	74.2	73.7	73.5	73.4	73.1	73.5	74.1	75.5
6.2	75.5	72.1	71.4	71.5	71.7	71.6	72.3	72.6	73.2	73.7	74.3	74.9	76.2
6.5	75.7	72.3	71.4	71.9	71.9	71.9	72.7	73.0	73.6	74.0	74.6	75.0	75.8
6.3	75.2	67.6	65.9	66.4	66.6	67.0	68.1	69.1	70.6	71.1	72.5	73.7	75.7
6.4	75.3	71.1	69.9	70.1	70.1	70.6	71.3	72.3	72.7	73.3	73.8	74.6	75.9
6.3	74.9	69.7	69.1	69.2	69.6	69.7	70.5	71.3	72.2	72.7	73.5	74.3	75.7
6.1	74.5	66.8	63.7	63.9	64.4	65.0	66.5	67.5	69.1	70.4	71.3	72.7	75.3
6.1	71.8	49.5	43.4	44.0	45.7	47.2	51.0	54.3	57.9	60.6	63.4	67.7	73.5
6.0	71.2	48.2	42.5	43.4	44.8	46.1	50.2	53.7	57.1	60.3	62.9	67.5	73.5
5.9	71.4	50.0	45.0	46.1	47.0	48.9	52.5	55.3	58.8	61.4	64.4	68.2	73.6
6.3	71.2	47.7	42.1	43.4	44.9	46.0	49.8	53.5	56.8	60.0	62.9	67.2	73.3
.2	10.6	40.8	38.3	40.5	41.8	43.6	47.6	51.7	55.4	58.5	61.6	66.4	73.2
.9	9.9	37.5	31.8	33.2	36.2	37.6	43.8	48.5	52.1	56.8	60.1	67.9	77.0
.2	10.9	41.3	40.2	42.7	43.7	45.5	49.2	52.7	56.4	59.1	62.4	66.9	73.5
5	11.4	42.2	41.5	42.5	44.3	46.2	49.7	53.3	57.0	59.6	62.8	67.6	73.6
.7	13.7	40.9	39.7	41.4	42.4	44.4	48.4	51.7	55.5	58.8	61.6	66.6	73.3
2.1	18.7	40.4	39.4	40.7	42.5	44.3	48.3	51.7	55.8	58.7	61.5	66.6	73.0
3.0	26.4	39.6	38.7	40.3	41.8	43.5	48.1	51.3	55.2	58.3	61.3	66.3	72.9
3.5	27.6	38.0	37.3	38.8	40.6	42.3	47.0	50.5	54.7	57.8	61.0	66.4	73.0
3.4	23.9	32.4	33.4	35.9	37.7	38.3	44.1	48.2	52.5	56.5	59.7	65.2	72.8
3.4	21.6	31.5	32.4	35.8	36.8	38.1	42.8	48.0	52.1	56.1	59.5	65.0	72.8
3.0	19.5	34.7	39.1	41.4	42.6	44.6	48.7	52.8	55.8	59.3	61.7	67.0	73.1
2.6	15.5	16.1	15.3	16.9	19.0	21.4	28.2	34.8	40.3	45.8	50.4	58.8	70.2
3.1	18.2	23.6	24.6	26.8	28.9	31.7	36.8	42.2	46.2	51.2	55.4	62.2	71.6
3.1	13.8	-5.2	-8.8	-5.5	-1.8	1.3	11.3	20.2	28.5	36.1	42.2	54.1	69.4
2.5	16.4	22.8	26.0	28.4	29.9	32.0	38.0	42.5	48.2	52.2	55.7	63.2	71.8
2.6	12.9	-6.5	-9.0	-6.1	-2.2	0.8	10.3	19.9	28.0	35.3	42.1	53.9	68.8
3.1	16.8	21.9	25.7	27.1	29.5	31.5	37.2	42.6	47.7	52.0	55.9	62.9	71.8

Table A22 (Continued)

Piezometer Location																
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.3	T=45 LC=7.6	T=60 LC=7.9	T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T= LC
32	25+88.1	-20.1	7.0	7.3	6.7	7.3	7.3	7.5	7.8	7.8	8.3	8.7	9.1	9.8	10.6	11.
33	25+92.6	-20.1	7.0	7.1	7.0	7.2	7.3	7.2	7.5	7.5	7.6	7.7	8.3	9.0	9.6	10.
40	25+75.0	-24.1	7.0	7.4	7.0	7.3	7.6	8.1	8.4	8.7	9.4	9.6	9.3	8.6	9.0	9.5
41	25+75.0	-24.1	7.0	7.3	6.9	7.4	7.4	7.6	7.9	8.0	8.4	8.5	8.9	9.5	10.3	10.
42	25+70.0	-24.0	7.0	7.2	7.2	7.1	7.5	7.4	7.7	7.9	8.2	8.5	9.0	9.6	10.5	11.
43	25+70.0	-24.0	7.0	7.6	6.7	7.5	7.5	7.8	8.1	8.0	8.2	9.1	9.6	10.1	11.1	12.
44	25+65.0	-23.1	7.0	7.5	6.9	7.6	7.9	8.0	8.3	8.6	8.5	9.0	9.2	9.8	10.9	11
45	25+65.0	-23.1	7.0	7.4	7.4	7.1	7.5	7.4	7.6	8.0	7.7	8.2	8.9	9.7	10.4	10
46	25+65.0	-23.1	7.0	7.6	7.3	7.7	8.1	8.0	8.4	8.4	9.0	9.4	9.5	10.2	11.1	11
47	25+60.0	-22.7	7.0	7.7	7.1	7.6	7.6	7.8	8.0	8.5	8.7	9.1	9.3	10.3	11.0	11
48	25+60.0	-22.7	7.0	7.5	7.1	7.4	7.7	7.8	8.0	8.2	8.6	8.6	9.0	9.9	10.9	11
49	25+60.0	-22.7	7.0	7.3	7.1	7.2	7.3	7.3	7.6	8.1	8.1	8.4	8.9	9.5	10.4	11
50	25+60.0	-22.7	7.0	7.3	7.1	7.0	7.6	7.5	7.6	8.2	8.1	8.2	9.2	9.6	10.5	11
51	25+50.0	-22.1	7.0	7.1	7.0	7.5	7.5	8.1	8.1	8.3	8.8	9.1	9.0	10.2	10.6	11
52	25+50.0	-22.1	7.0	7.4	6.9	7.5	7.8	8.0	8.1	8.3	8.3	9.1	9.1	10.2	10.8	11
53	25+50.0	-22.1	7.0	7.7	7.3	7.8	7.8	8.0	8.2	8.4	8.4	9.1	9.1	10.7	11.2	11
54	25+50.0	-22.1	7.0	7.7	7.3	7.8	7.9	7.8	8.2	8.4	8.6	9.1	9.4	10.0	10.9	11
55	25+40.0	-21.5	7.0	7.2	7.3	7.3	7.8	8.2	8.1	8.2	8.5	8.7	9.3	10.2	10.9	11
56	25+40.0	-21.5	7.0	7.3	7.0	7.3	7.7	7.9	7.8	7.9	8.4	8.8	9.1	9.9	10.7	11
57	25+40.0	-21.5	7.0	7.6	7.8	7.2	7.8	8.1	8.3	8.3	8.6	9.1	9.5	10.1	10.9	11
58	25+40.0	-21.5	7.0	7.1	7.7	7.3	7.6	7.7	7.7	8.1	8.5	8.6	9.4	10.1	10.6	11
59	25+30.0	-20.9	7.0	7.4	7.2	7.5	7.6	7.7	7.8	8.2	8.4	8.7	9.2	10.3	11.0	11
60	25+30.0	-20.9	7.0	7.5	7.5	7.7	7.7	8.1	8.3	8.6	9.0	9.7	10.2	11.2	11.4	12
61	25+30.0	-20.9	7.0	7.4	7.3	7.4	7.9	7.8	8.3	8.5	8.5	8.6	8.9	9.8	10.4	11
62	25+30.0	-20.9	7.0	7.4	7.7	7.5	8.2	8.2	8.3	8.2	8.8	9.2	9.3	10.2	10.9	11
63	25+25.0	-20.6	7.0	7.3	7.3	7.3	7.5	8.1	7.9	8.1	8.5	8.8	9.2	9.9	10.7	11
64	25+25.0	-20.6	7.0	7.8	7.7	7.5	7.8	8.3	8.4	8.6	8.7	9.1	9.7	10.2	11.0	11
65	25+25.0	-20.6	7.0	7.5	7.3	7.6	7.9	7.9	8.4	8.4	8.6	8.7	9.3	10.1	10.8	11
66	25+25.0	-20.6	7.0	7.3	7.4	7.1	7.5	7.6	8.0	7.9	8.1	8.8	8.9	9.8	10.5	11
68	25+23.0	-20.6	7.0	7.3	7.5	7.6	7.9	8.2	8.1	8.6	8.9	8.9	9.6	10.3	10.7	11
69	25+23.0	-20.6	7.0	7.4	7.3	7.5	8.0	8.1	7.9	8.3	8.6	9.2	9.3	10.2	10.8	11

Average Piezometer Readings, Prototype Feet of Water

	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T=360 LC=11.6	T=420 LC=12.3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8	T=(LC
	7.8	7.8	8.3	8.7	9.1	9.8	10.6	11.3	12.2	12.6	12.3	-5.9	-8.4	-5.7	-2.3	1.2	10.
	7.5	7.5	7.6	7.7	8.3	9.0	9.6	10.6	11.2	11.7	13.1	16.7	19.7	21.4	23.9	25.9	32.
	8.4	8.7	9.4	9.6	9.3	8.6	9.0	9.5	10.6	11.3	12.0	8.8	6.7	6.7	9.0	11.9	19.
	7.9	8.0	8.4	8.5	8.9	9.5	10.3	10.6	11.5	11.8	12.4	6.7	7.4	9.2	10.3	13.4	21.
	7.7	7.9	8.2	8.5	9.0	9.6	10.5	11.3	12.4	12.9	13.4	6.4	3.8	7.0	10.4	12.3	19.
	8.1	8.0	8.2	9.1	9.6	10.1	11.1	12.0	12.9	13.7	13.6	0.7	-0.6	2.5	5.5	8.8	18.
	8.3	8.6	8.5	9.0	9.2	9.8	10.9	11.7	12.3	13.3	14.2	6.5	8.2	8.3	14.5	15.8	24.
	7.6	8.0	7.7	8.2	8.9	9.7	10.4	10.6	11.5	12.0	12.8	9.1	9.5	10.6	13.3	16.5	23
	8.4	8.4	9.0	9.4	9.5	10.2	11.1	11.8	12.6	13.3	18.2	37.4	45.5	41.8	42.9	49.5	48
	8.0	8.5	8.7	9.1	9.3	10.3	11.0	11.6	12.8	13.1	14.1	8.7	8.8	7.0	14.4	19.1	25.
	8.0	8.2	8.6	8.6	9.0	9.9	10.9	11.3	12.3	12.6	13.7	8.2	9.5	13.0	15.3	16.8	23
	7.6	8.1	8.1	8.4	8.9	9.5	10.4	11.0	11.8	12.4	13.7	12.2	11.6	14.0	15.9	18.0	26.
	7.6	8.2	8.1	8.2	9.2	9.6	10.5	11.2	11.8	12.4	14.7	11.8	11.4	9.5	20.3	20.6	26.
	8.1	8.3	8.8	9.1	9.0	10.2	10.6	11.6	12.4	12.7	13.9	12.1	12.7	20.1	22.6	22.0	29.
	8.1	8.3	8.3	9.1	9.1	10.2	10.8	11.5	12.6	13.0	14.1	7.7	15.7	19.8	20.1	24.8	30.
	8.2	8.4	8.4	9.1	9.1	10.7	11.2	11.8	12.4	13.1	15.5	17.4	19.4	21.4	25.3	26.4	33.
	8.2	8.4	8.6	9.1	9.4	10.0	10.9	11.7	12.4	12.9	15.6	17.1	21.9	21.1	23.9	25.5	33
	8.1	8.2	8.5	8.7	9.3	10.2	10.9	11.5	12.2	12.5	14.1	14.9	18.7	22.0	23.4	26.5	33
	7.8	7.9	8.4	8.8	9.1	9.9	10.7	11.0	12.4	12.7	13.5	15.0	18.8	21.2	23.9	26.0	32
	8.3	8.3	8.6	9.1	9.5	10.1	10.9	11.6	12.0	12.8	14.9	19.2	22.2	23.9	26.9	28.5	35
	7.7	8.1	8.5	8.6	9.4	10.1	10.6	11.4	12.1	12.8	14.2	18.7	22.6	24.7	26.9	29.0	35
	7.8	8.2	8.4	8.7	9.2	10.3	11.0	11.8	12.6	13.2	14.3	17.0	21.1	22.6	25.4	27.6	34
	8.3	8.6	9.0	9.7	10.2	11.2	11.4	12.2	12.1	11.8	12.5	13.1	15.9	18.0	20.7	22.7	29.
	8.3	8.5	8.5	8.6	8.9	9.8	10.4	11.3	12.0	12.2	13.6	16.7	20.0	22.0	24.5	25.9	32
	8.3	8.2	8.8	9.2	9.3	10.2	10.9	11.5	12.3	12.8	14.9	20.1	23.8	26.1	29.4	30.4	36
	7.9	8.1	8.5	8.8	9.2	9.9	10.7	11.6	12.1	12.6	13.8	17.2	21.2	23.2	25.5	27.5	33
	8.4	8.6	8.7	9.1	9.7	10.2	11.0	11.7	12.4	13.1	13.8	16.2	19.2	20.9	23.6	26.0	32
	8.4	8.4	8.6	8.7	9.3	10.1	10.8	11.8	12.3	12.8	14.4	13.9	15.4	18.0	20.6	23.1	31
	8.0	7.9	8.1	8.8	8.9	9.8	10.5	11.2	12.0	12.4	13.7	21.4	26.9	29.2	31.8	33.6	39
	8.1	8.6	8.9	8.9	9.6	10.3	10.7	11.7	12.4	12.8	13.0	16.0	19.3	21.5	23.9	26.2	32.
	7.9	8.3	8.6	9.2	9.3	10.2	10.8	11.6	12.4	13.0	14.5	15.5	18.4	20.7	22.7	25.4	33

heter Readings, Prototype Feet of Water

3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8	T=660 LC=32.0	T=720 LC=38.2	T=780 LC=43.7	T=840 LC=48.5	T=900 LC=52.9	T=1020 LC=60.8	T=1260 LC=71.1
	12.6	12.3	-5.9	-8.4	-5.7	-2.3	1.2	10.6	19.6	28.2	34.9	42.1	53.5	69.0
	11.7	13.1	16.7	19.7	21.4	23.9	25.9	32.5	37.7	43.6	48.2	52.6	60.0	70.9
	11.3	12.0	8.8	6.7	6.7	9.0	11.9	19.4	26.9	34.2	40.1	45.8	55.6	69.3
	11.8	12.4	6.7	7.4	9.2	10.3	13.4	21.5	27.6	36.6	43.4	49.0	57.8	70.2
	12.9	13.4	6.4	3.8	7.0	10.4	12.3	19.1	26.0	32.6	38.7	44.8	55.9	69.8
	13.7	13.6	0.7	-0.6	2.5	5.5	8.8	18.4	27.4	36.0	43.3	50.8	59.5	68.6
	13.3	14.2	6.5	8.2	8.3	14.5	15.8	24.4	30.7	37.6	42.8	48.8	58.2	69.9
	12.0	12.8	9.1	9.5	10.6	13.3	16.5	23.1	29.9	36.0	42.2	47.6	56.9	70.2
	13.3	18.2	37.4	45.5	41.8	42.9	49.5	48.4	54.6	56.8	61.3	63.8	66.7	73.6
	13.1	14.1	8.7	8.8	7.0	14.4	19.1	25.0	32.8	38.2	43.1	48.5	58.6	70.2
	12.6	13.7	8.2	9.5	13.0	15.3	16.8	23.2	32.4	37.3	43.7	49.4	57.8	70.5
	12.4	13.7	12.2	11.6	14.0	15.9	18.0	26.0	33.2	38.1	43.9	49.1	57.8	70.1
	12.4	14.7	11.8	11.4	9.5	20.3	20.6	26.9	32.2	40.8	45.8	50.0	58.8	70.3
	12.7	13.9	12.1	12.7	20.1	22.6	22.0	29.7	36.8	40.2	47.2	50.0	59.2	70.6
	13.0	14.1	7.7	15.7	19.8	20.1	24.8	30.4	38.1	41.5	49.5	52.8	63.5	72.9
	13.1	15.5	17.4	19.4	21.4	25.3	26.4	33.6	38.8	44.6	49.6	53.3	61.2	71.7
	12.9	15.6	17.1	21.9	21.1	23.9	25.5	33.3	39.4	43 .	47.8	52.0	59.9	70.9
	12.5	14.1	14.9	18.7	22.0	23.4	26.5	33.3	38.6	44.4	48.7	52.9	60.9	71.2
	12.7	13.5	15.0	18.8	21.2	23.9	26.0	32.6	37.2	43.1	47.8	52.6	60.4	70.7
	12.8	14.9	19.2	22.2	23.9	26.9	28.5	35.1	40.1	45.1	50.4	54.4	61.6	71.7
	12.8	14.2	18.7	22.6	24.7	26.9	29.0	35.1	40.5	45.7	50.6	54.0	61.3	71.2
	13.2	14.3	17.0	21.1	22.6	25.4	27.6	34.8	39.5	44.4	49.2	52.9	60.4	70.8
	11.8	12.5	13.1	15.9	18.0	20.7	22.7	29.6	35.6	40.9	46.0	51.2	58.5	69.5
	12.2	13.6	16.7	20.0	22.0	24.5	25.9	32.1	37.0	42.8	47.4	51.7	59.4	70.4
	12.8	14.9	20.1	23.8	26.1	29.4	30.4	36.6	40.9	46.5	50.9	54.7	61.8	71.4
	12.6	13.8	17.2	21.2	23.2	25.5	27.5	33.3	38.7	44.5	48.8	53.5	60.8	71.3
	13.1	13.8	16.2	19.2	20.9	23.6	26.0	32.4	38.5	44.0	48.2	52.2	60.5	71.4
	12.8	14.4	13.9	15.4	18.0	20.6	23.1	31.2	36.0	43.0	47.4	52.2	60.2	71.0
	12.4	13.7	21.4	26.9	29.2	31.8	33.6	39.4	43.7	48.5	52.7	56.2	62.6	71.6
	12.8	13.0	16.0	19.3	21.5	23.9	26.2	32.8	38.0	43.9	48.7	53.4	61.0	71.2
	13.0	14.5	15.5	18.4	20.7	22.7	25.4	33.4	38.0	43.7	48.8	53.0	60.7	71.3

Table A22 (Continued)

Piezometer Location															
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.3	T=45 LC=7.6	T=60 LC=7.9	T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9
70	25+23.0	-20.6	7.0	7.5	7.5	7.5	7.6	8.1	8.2	8.3	8.7	9.0	9.3	10.1	11.1
71	25+10.2	-24.25	7.0	7.4	7.5	7.6	7.8	8.0	8.5	8.6	8.7	9.0	9.6	10.2	10.9
71A	25+10.2	-24.25	7.0	7.3	7.1	7.5	8.0	8.1	8.1	8.4	8.6	8.8	9.3	10.2	10.9
72	25+00.2	-24.25	7.0	7.6	7.7	7.9	8.2	8.2	8.4	9.0	9.2	9.1	9.5	10.5	11.1
73	24+90.2	-24.25	7.0	7.2	7.3	7.5	7.6	7.8	8.2	8.5	8.6	8.8	9.3	10.2	10.8
74	24+80.2	-24.25	7.0	7.3	7.8	8.1	8.1	8.1	8.5	8.7	8.9	9.1	9.8	10.3	11.1
75	24+70.2	-24.25	7.0	7.1	7.7	7.7	8.0	8.1	8.3	8.5	8.6	9.1	9.5	10.2	10.9
76	24+60.2	-24.25	7.0	7.2	7.6	7.7	8.3	8.4	8.4	8.8	9.0	9.3	9.7	10.3	11.0
77	24+50.2	-24.25	7.0	7.3	7.9	8.0	8.2	8.5	8.8	8.8	9.0	9.2	9.6	10.6	11.1
78	24+40.2	-24.25	7.0	7.0	7.3	7.5	7.8	8.0	8.2	8.3	8.5	8.7	9.4	10.2	10.9
79	24+30.2	-24.25	7.0	6.9	7.3	7.7	7.8	7.9	8.1	8.3	8.5	8.9	9.1	9.9	10.8
79A	24+30.2	-24.25	7.0	7.1	7.3	7.7	7.8	7.7	8.0	8.2	8.2	8.9	9.1	9.8	10.6
80	26+17.0	-28.4	7.0	7.2	6.4	7.2	6.9	7.4	7.8	7.8	8.2	8.6	8.8	9.6	10.2
81	26+06.0	-28.4	7.0	7.6	7.1	7.8	7.6	8.1	8.0	8.3	8.7	9.1	9.5	10.2	11.0
82	26+22.4	-28.4	7.0	7.2	6.5	7.2	7.3	7.8	7.7	7.9	8.3	8.8	9.2	9.8	10.7
83	26+13.9	-28.4	7.0	7.4	6.9	7.5	7.6	7.9	8.4	8.1	8.7	8.9	9.2	10.2	10.7
84	26+30.3	-28.4	7.0	7.2	6.9	7.1	7.6	7.5	7.9	7.7	8.1	8.7	8.9	9.8	10.5
85	26+25.7	-28.4	7.0	7.9	7.2	7.6	7.6	7.9	8.3	8.3	8.6	9.0	9.5	10.3	11.1
92	26+43.3	-24.1	7.0	7.3	6.9	7.3	7.4	7.8	7.9	8.2	8.3	8.8	8.9	9.8	10.6
93	26+43.3	-24.1	7.0	7.4	6.9	7.5	7.7	7.8	7.9	7.8	8.3	8.8	9.3	9.7	10.6
94	26+48.3	-24.0	7.0	7.4	7.1	7.5	7.8	7.9	8.4	8.4	8.8	8.9	9.5	10.3	10.7
95	26+48.3	-24.0	7.0	6.9	7.0	7.4	7.3	7.3	7.8	7.8	8.2	8.3	9.2	9.6	10.3
96	26+53.3	-23.1	7.0	7.4	7.2	7.4	7.6	7.7	7.8	8.0	8.5	8.8	9.3	9.6	10.6
97	26+53.3	-23.1	7.0	7.5	6.8	7.2	7.4	7.6	7.9	7.9	8.3	8.7	8.9	9.7	10.3
98	26+53.3	-23.1	7.0	7.4	7.2	7.7	7.9	7.8	8.5	8.7	9.1	8.8	9.5	10.3	11.1
99	26+58.3	-22.7	7.0	7.7	7.2	7.6	7.6	7.9	8.2	8.3	8.6	9.0	9.2	10.0	10.7
100	26+58.3	-22.7	7.0	7.4	7.2	7.7	8.0	7.8	8.1	8.3	8.7	9.1	9.4	10.1	10.9
101	26+58.3	-22.7	7.0	7.7	7.2	7.5	7.6	7.9	8.1	8.1	8.6	8.8	9.1	9.8	10.5
102	26+58.3	-22.7	7.0	7.4	6.9	7.4	7.5	7.8	7.9	8.0	8.5	8.6	9.2	9.9	10.6
103	26+68.3	-22.1	7.0	7.4	7.2	7.6	7.6	7.7	7.8	8.5	8.6	8.8	9.3	10.3	10.9
104	26+68.3	-22.1	7.0	7.3	7.0	7.4	7.5	7.6	8.2	8.2	8.6	8.8	9.3	10.0	10.9

Average Piezometer Readings, Prototype Feet of Water

T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T=360 LC=11.6	T=420 LC=12.3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.3
8.1	8.2	8.3	8.7	9.0	9.3	10.1	11.1	11.5	12.4	12.8	15.1	23.4	27.9	29.4	32.4	33.9
8.0	8.5	8.6	8.7	9.0	9.6	10.2	10.9	11.7	12.4	13.0	15.5	22.3	26.9	28.6	31.5	32.9
8.1	8.1	8.4	8.6	8.8	9.3	10.2	10.9	11.7	12.4	12.6	14.1	15.5	19.8	21.4	24.3	26.5
8.2	8.4	9.0	9.2	9.1	9.5	10.5	11.1	11.8	12.6	13.2	15.2	24.0	28.7	31.1	33.3	34.5
7.8	8.2	8.5	8.6	8.8	9.3	10.2	10.8	11.6	12.4	13.0	15.0	25.4	31.2	33.5	35.3	36.7
8.1	8.5	8.7	8.9	9.1	9.8	10.3	11.1	12.1	12.5	13.2	14.4	25.8	32.8	34.8	36.7	38.2
8.1	8.3	8.5	8.6	9.1	9.5	10.2	10.9	11.8	12.6	13.0	14.8	27.5	34.2	36.8	38.5	39.9
8.4	8.4	8.8	9.0	9.3	9.7	10.3	11.0	12.0	12.7	13.1	14.5	28.7	36.0	38.4	40.1	41.6
8.5	8.8	8.8	9.0	9.2	9.6	10.6	11.1	11.8	12.8	13.0	14.7	29.7	37.4	39.5	41.2	42.6
8.0	8.2	8.3	8.5	8.7	9.4	10.2	10.9	11.5	12.5	12.9	14.2	30.0	37.9	39.9	41.9	43.5
7.9	8.1	8.3	8.5	8.9	9.1	9.9	10.8	11.6	12.4	12.9	13.7	28.5	37.0	38.8	40.7	42.2
7.7	8.0	8.2	8.2	8.9	9.1	9.8	10.6	11.4	12.1	12.6	13.4	18.0	21.7	23.6	26.1	28.0
7.4	7.8	7.8	8.2	8.6	8.8	9.6	10.2	11.3	12.1	12.5	12.9	-2.7	-3.9	-2.8	1.5	4.4
8.1	8.0	8.3	8.7	9.1	9.5	10.2	11.0	11.6	12.6	13.3	16.9	21.9	25.1	25.7	28.0	30.6
7.8	7.7	7.9	8.3	8.8	9.2	9.8	10.7	11.7	12.4	12.7	13.2	-3.0	-3.4	-1.8	2.3	4.9
7.9	8.4	8.1	8.7	8.9	9.2	10.2	10.7	11.6	12.3	13.1	16.0	20.3	23.9	24.6	27.3	28.8
7.5	7.9	7.7	8.1	8.7	8.9	9.8	10.5	11.4	12.2	12.4	13.2	-1.7	-6.0	-3.7	-0.4	2.9
7.9	8.3	8.3	8.6	9.0	9.5	10.3	11.1	11.7	12.6	13.1	16.0	20.5	22.2	24.6	26.6	29.2
7.8	7.9	8.2	8.3	8.8	8.9	9.8	10.6	11.4	12.1	12.6	13.5	6.9	4.6	7.3	11.0	12.8
7.8	7.9	7.8	8.3	8.8	9.3	9.7	10.6	11.3	11.9	12.6	13.4	4.5	4.2	7.4	9.8	14.1
7.9	8.4	8.4	8.8	8.9	9.5	10.3	10.7	11.6	12.3	12.8	13.0	3.7	5.8	8.3	5.8	8.4
7.3	7.8	7.8	8.2	8.3	9.2	9.6	10.3	11.3	11.8	12.3	12.9	5.1	4.2	4.9	7.6	10.1
7.7	7.8	8.0	8.5	8.8	9.3	9.6	10.6	11.3	11.8	12.5	13.5	9.2	9.6	10.3	9.2	20.0
7.6	7.9	7.9	8.3	8.7	8.9	9.7	10.3	11.4	12.2	12.6	13.8	6.9	5.9	9.9	12.5	15.0
7.8	8.5	8.7	9.1	8.8	9.5	10.3	11.1	11.6	12.4	13.2	17.2	34.2	41.6	42.1	37.9	39.4
7.9	8.2	8.3	8.6	9.0	9.2	10.0	10.7	11.5	12.3	12.7	13.7	11.7	9.8	12.4	20.5	19.2
7.8	8.1	8.3	8.7	9.1	9.4	10.1	10.9	11.6	12.2	12.7	13.7	12.2	7.6	10.9	19.7	18.9
7.9	8.1	8.1	8.6	8.8	9.1	9.8	10.5	11.3	12.2	12.6	13.6	12.2	8.4	11.8	19.5	19.2
7.8	7.9	8.0	8.5	8.6	9.2	9.9	10.6	11.1	12.1	12.8	14.3	10.2	8.8	19.1	19.5	20.1
7.7	7.8	8.5	8.6	8.6	9.3	10.3	10.9	11.4	12.1	12.7	13.9	12.5	13.6	18.8	20.8	21.2
7.6	8.2	8.2	8.6	8.8	9.3	10.0	10.9	11.6	12.2	12.5	14.2	12.2	17.1	15.8	24.3	24.8

meter Readings, Prototype Feet of Water

.3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.3	T=660 LC=32.0	T=720 LC=38.2	T=780 LC=43.7	T=840 LC=48.5	T=900 LC=52.9	T=1020 LC=60.8	T=1260 LC=71.1
	12.8	15.1	23.4	27.9	29.4	32.4	33.9	39.5	43.6	48.5	52.6	56.4	62.9	72.4
	13.0	15.5	22.3	26.9	28.6	31.5	32.9	38.7	42.9	48.4	52.4	56.8	62.8	72.0
	12.6	14.1	15.5	19.8	21.4	24.3	26.5	32.9	39.0	45.0	49.5	54.9	62.3	71.3
	13.2	15.2	24.0	28.7	31.1	33.3	34.5	40.3	45.1	49.5	53.4	57.5	63.6	72.3
	13.0	15.0	25.4	31.2	33.5	35.3	36.7	41.9	46.2	50.5	54.6	58.1	64.0	72.6
	13.2	14.4	25.8	32.8	34.8	36.7	38.2	43.4	47.4	51.5	55.0	58.8	64.3	72.2
	13.0	14.8	27.5	34.2	36.8	38.5	39.9	44.5	48.6	52.5	56.4	59.3	64.8	72.8
	13.1	14.5	28.7	36.0	38.4	40.1	41.6	45.9	49.8	53.5	57.1	59.7	65.5	72.8
	13.0	14.7	29.7	37.4	39.5	41.2	42.6	46.3	50.7	54.1	57.9	60.3	65.9	72.8
	12.9	14.2	30.0	37.9	39.9	41.9	43.5	47.0	50.9	54.4	57.9	60.6	65.6	72.8
	12.9	13.7	28.5	37.0	38.8	40.7	42.2	45.9	49.6	53.5	57.2	59.5	65.0	72.3
	12.6	13.4	18.0	21.7	23.6	26.1	28.0	33.7	39.4	44.7	49.1	53.5	60.5	70.6
	12.5	12.9	-2.7	-3.9	-2.8	1.5	4.4	13.7	21.9	29.4	37.2	43.9	54.4	69.0
	13.3	16.9	21.9	25.1	25.7	28.0	30.6	35.2	41.7	45.6	50.8	55.5	61.9	71.7
	12.7	13.2	-3.0	-3.4	-1.8	2.3	4.9	14.2	22.8	30.4	38.5	44.4	54.8	69.7
	13.1	16.0	20.3	23.9	24.6	27.3	28.8	35.1	40.4	45.4	50.5	54.7	61.7	71.4
	12.4	13.2	-1.7	-6.0	-3.7	-0.4	2.9	12.8	21.7	29.6	37.3	43.4	54.3	69.3
	13.1	16.0	20.5	22.2	24.6	26.6	29.2	35.1	40.6	45.6	50.6	54.8	61.9	71.7
	12.6	13.5	6.9	4.6	7.3	11.0	12.8	21.7	28.0	35.7	41.2	47.3	56.9	69.9
	12.6	13.4	4.5	4.2	7.4	9.8	14.1	19.8	27.2	34.6	42.3	46.0	55.8	69.7
	12.8	13.0	3.7	5.8	8.3	5.8	8.4	18.4	29.5	32.7	41.6	46.8	56.2	70.2
	12.3	12.9	5.1	4.2	4.9	7.6	10.1	19.2	26.1	35.0	42.3	50.2	53.7	66.6
	12.5	13.5	9.2	9.6	10.3	9.2	20.0	26.6	32.8	39.4	44.2	49.7	58.1	70.0
	12.6	13.8	6.9	5.9	9.9	12.5	15.0	20.6	29.4	36.3	42.6	49.9	57.2	70.2
	13.2	17.2	34.2	41.6	42.1	37.9	39.4	44.5	49.2	55.9	58.3	62.5	66.1	72.8
	12.7	13.7	11.7	9.8	12.4	20.5	19.2	30.9	29.8	40.6	46.6	51.2	58.3	70.1
	12.7	13.7	12.2	7.6	10.9	19.7	18.9	31.0	27.9	40.7	46.6	51.4	58.2	70.3
	12.6	13.6	12.2	8.4	11.8	19.5	19.2	30.5	28.9	40.6	46.8	51.6	58.7	70.4
	12.8	14.3	10.2	8.8	19.1	19.5	20.1	28.1	35.3	37.1	48.3	52.4	62.5	70.0
	12.7	13.9	12.5	13.6	18.8	20.8	24.2	31.6	35.9	43.6	46.8	52.2	60.2	70.7
	12.5	14.2	12.2	17.1	15.8	24.3	24.8	33.3	35.7	43.3	47.5	52.0	60.4	70.5

Table A22 (Continued)

Piezometer Location														
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.3	T=45 LC=7.6	T=60 LC=7.9	T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9
105	26+68.3	-22.1	7.0	7.7	7.1	7.6	7.7	7.7	8.2	8.3	8.7	8.8	9.5	10.0	10.7
106	26+68.3	-22.1	7.0	7.6	7.1	7.5	7.8	7.8	8.2	8.4	8.5	9.1	9.6	9.9	11.0
107	26+78.3	-21.5	7.0	7.9	7.3	7.6	7.9	8.2	8.3	8.7	8.7	9.1	9.4	10.1	10.9
108	26+78.3	-21.5	7.0	7.5	7.5	7.8	7.8	7.9	8.1	8.3	8.5	9.0	9.2	9.9	10.7
109	26+78.3	-21.5	7.0	7.5	7.3	7.6	7.7	7.7	8.0	8.3	8.4	8.9	9.2	10.1	10.6
110	26+78.3	-21.5	7.0	7.5	7.5	7.6	7.7	7.9	8.4	8.5	8.7	9.1	9.3	10.4	11.0
111	26+88.3	-20.9	7.0	7.1	6.9	7.3	7.3	7.4	7.5	7.6	7.9	7.9	8.1	8.6	9.3
112	26+88.3	-20.9	7.0	7.5	7.2	7.6	7.7	7.9	8.1	8.3	8.4	8.8	9.1	9.8	10.6
113	26+88.3	-20.9	7.0	7.4	7.1	7.5	7.5	7.7	7.9	8.3	8.4	8.9	9.2	9.8	10.8
114	26+88.3	-20.9	7.0	7.4	7.7	7.5	8.0	8.2	8.3	8.3	8.5	9.1	9.4	10.2	10.8
115	26+93.3	-20.6	7.0	7.4	7.5	7.5	7.8	8.2	8.2	8.4	8.5	8.9	9.4	10.1	10.8
116	26+93.3	-20.6	7.0	7.6	7.3	8.1	7.9	8.0	8.2	8.3	8.7	9.0	9.4	9.8	10.9
117	26+93.3	-20.6	7.0	7.4	7.2	7.3	7.5	7.9	7.9	8.1	8.3	8.9	9.0	10.1	10.8
118	26+93.3	-20.6	7.0	7.4	7.5	7.4	8.0	8.0	8.5	8.2	8.7	8.6	9.1	10.0	10.6
119	26+95.3	-20.6	7.0	7.4	7.3	7.4	7.6	7.8	8.1	8.0	8.3	8.8	9.1	9.7	10.4
120	26+95.3	-20.6	7.0	7.6	7.5	7.9	7.9	8.2	8.3	8.4	8.5	9.1	9.4	10.2	10.9
121	26+95.3	-20.6	7.0	7.4	7.4	7.7	7.7	7.8	8.0	8.0	8.4	8.7	9.3	9.7	10.6
122	26+95.3	-20.6	7.0	7.5	7.6	7.7	7.9	8.1	8.4	8.4	8.7	9.1	9.7	10.1	10.6
123	27+08.1	-24.25	7.0	7.3	7.2	7.3	7.7	7.7	7.9	8.0	8.5	8.8	9.0	9.8	10.4
123A	27+08.1	-24.25	7.0	7.2	7.1	7.5	7.6	7.6	8.0	8.2	8.4	8.9	9.2	10.0	10.6
124	27+18.1	-24.25	7.0	6.9	7.3	7.3	7.5	7.8	8.1	8.2	8.4	8.6	9.1	9.8	10.6
125	27+28.1	-24.25	7.0	7.5	7.7	7.8	8.1	8.1	8.4	8.4	8.7	9.1	9.5	9.9	10.8
126	27+38.1	-24.25	7.0	7.3	7.7	7.8	8.0	8.1	8.4	8.7	8.7	9.1	9.5	10.2	11.1
127	27+48.1	-24.25	7.0	7.1	7.7	7.7	7.8	8.1	8.4	8.6	8.8	9.2	9.4	10.0	11.0
128	27+58.1	-24.25	7.0	7.3	7.5	7.8	7.8	7.9	8.2	8.4	8.6	9.0	9.3	10.1	10.5
129	27+68.1	-24.25	7.0	7.1	7.7	7.9	8.2	8.0	8.2	8.4	8.6	9.2	9.4	10.1	10.8
130	27+78.1	-24.25	7.0	7.3	7.5	7.8	7.9	8.1	8.2	8.6	8.7	9.1	9.3	10.0	10.9
131	27+88.1	-24.25	7.0	7.1	7.7	7.7	8.1	8.2	8.4	8.4	8.5	9.1	9.3	10.2	10.8
131A	27+88.1	-24.25	7.0	7.1	7.5	7.5	7.6	8.1	8.1	8.3	8.5	8.7	9.2	10.1	10.8
161	22+57.6	-24.0	7.0	1.9	0.8	0.6	0.5	0.7	1.4	3.2	2.6	1.9	2.8	4.6	4.4
162	22+57.6	-26.4	7.0	7.1	5.7	5.4	4.8	4.4	4.0	3.8	3.5	3.6	3.1	3.4	3.9

Average Piezometer Readings, Prototype Feet of Water

T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T=360 LC=11.6	T=420 LC=12.3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8	T=660 LC=32.0	T=72(LC=3
8.3	8.7	8.8	9.5	10.0	10.7	11.6	12.3	13.2	14.9	16.3	19.1	20.9	22.3	24.1	31.1	37.6
8.4	8.5	9.1	9.6	9.9	11.0	11.6	12.4	12.7	14.7	16.6	18.3	20.1	23.3	22.8	33.1	36.0
8.7	8.7	9.1	9.4	10.1	10.9	11.8	12.3	12.8	14.1	16.3	19.4	22.6	23.3	26.6	32.6	36.6
8.3	8.5	9.0	9.2	9.9	10.7	11.5	12.3	12.7	14.2	16.4	19.8	21.9	23.5	25.2	32.3	39.0
8.3	8.4	8.9	9.2	10.1	10.6	11.5	12.1	12.7	14.6	17.7	20.6	23.0	25.6	27.8	34.3	39.1
8.5	8.7	9.1	9.3	10.4	11.0	11.4	12.6	12.8	14.9	19.1	20.8	24.1	26.3	28.2	34.9	40.4
7.6	7.9	7.9	8.1	8.6	9.3	9.7	10.2	10.9	11.8	15.2	18.7	21.0	22.9	25.7	31.4	38.3
8.3	8.4	8.8	9.1	9.8	10.6	11.1	12.1	12.5	13.7	15.5	19.2	19.6	23.9	25.3	31.6	37.3
8.3	8.4	8.9	9.2	9.8	10.8	11.2	12.0	12.5	14.2	17.1	19.7	23.2	26.8	26.8	32.2	39.9
8.3	8.5	9.1	9.4	10.2	10.8	11.6	12.1	12.8	14.6	20.6	23.9	27.3	28.8	30.1	36.0	41.6
8.4	8.5	8.9	9.4	10.1	10.8	11.8	12.3	12.7	14.2	18.5	22.5	24.6	25.7	28.5	34.0	39.6
8.3	8.7	9.0	9.4	9.8	10.9	11.7	12.3	12.8	13.7	16.1	19.3	21.9	23.6	26.1	32.5	37.5
8.1	8.3	8.9	9.0	10.1	10.8	11.4	12.2	12.6	13.9	14.6	16.5	19.4	22.5	22.6	29.2	36.7
8.2	8.7	8.6	9.1	10.0	10.6	11.1	11.8	12.3	14.2	21.8	25.5	28.5	30.8	32.3	37.9	43.2
8.0	8.3	8.8	9.1	9.7	10.4	11.1	11.7	12.1	13.3	17.2	21.2	23.3	25.2	27.4	33.3	39.0
8.4	8.5	9.1	9.4	10.2	10.9	11.6	12.5	12.8	13.5	15.5	19.2	21.5	23.2	25.5	31.9	37.8
8.0	8.4	8.7	9.3	9.7	10.6	11.3	11.9	12.5	13.6	14.7	17.9	20.1	22.7	24.2	31.0	37.7
8.4	8.7	9.1	9.7	10.1	10.6	11.4	12.3	12.4	14.6	21.7	25.6	28.5	31.0	32.2	38.1	43.2
8.0	8.5	8.8	9.0	9.8	10.4	11.2	11.8	12.5	14.3	19.7	22.7	25.9	28.6	30.5	36.0	41.0
8.2	8.4	8.9	9.2	10.0	10.6	11.4	12.2	12.6	14.0	16.7	21.0	22.6	24.7	27.3	33.0	38.6
8.2	8.4	8.6	9.1	9.8	10.6	11.4	12.1	12.3	14.4	21.6	25.6	28.1	30.9	32.0	37.2	42.5
8.4	8.7	9.1	9.5	9.9	10.8	11.6	12.2	12.6	14.4	23.2	27.7	29.5	32.2	33.9	38.6	44.0
8.7	8.7	9.1	9.5	10.2	11.1	11.8	12.7	13.1	14.8	24.3	29.0	31.2	33.4	35.1	40.3	45.7
8.6	8.8	9.2	9.4	10.0	11.0	11.5	12.3	12.8	14.2	24.4	29.3	31.6	33.8	35.5	40.2	44.8
8.4	8.6	9.0	9.3	10.1	10.5	11.6	12.2	12.7	14.0	24.9	30.4	32.7	34.4	36.0	41.1	45.6
8.4	8.6	9.2	9.4	10.1	10.8	11.6	12.3	12.8	14.1	25.5	31.2	33.4	35.2	36.8	41.7	46.1
8.6	8.7	9.1	9.3	10.0	10.9	11.5	12.4	13.1	13.9	25.9	32.1	34.2	36.1	37.8	42.4	47.0
8.4	8.5	9.1	9.3	10.2	10.8	11.6	12.4	13.1	13.9	25.7	31.9	33.9	35.3	37.6	42.4	46.7
8.3	8.5	8.7	9.2	10.1	10.8	11.5	12.1	12.6	13.3	18.8	22.9	25.0	27.3	29.6	35.2	40.7
3.2	2.6	1.9	2.8	4.6	4.4	4.6	7.0	5.0	11.3	41.2	39.6	41.2	42.6	44.6	48.1	52.1
3.8	3.5	3.6	3.1	3.4	3.9	4.7	5.6	6.1	7.1	12.3	20.7	25.1	29.0	32.4	40.5	46.0

Readings, Prototype Feet of Water

T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8	T=660 LC=32.0	T=720 LC=38.2	T=780 LC=43.7	T=840 LC=48.5	T=900 LC=52.9	T=1020 LC=60.8	T=1260 LC=71.1
13.2	14.9	16.3	19.1	20.9	22.3	24.1	31.1	37.6	44.4	47.9	52.1	60.1	71.4
12.7	14.7	16.6	18.3	20.1	23.3	22.8	33.1	36.0	41.8	48.3	53.2	60.7	71.5
12.8	14.1	16.3	19.4	22.6	23.3	26.6	32.6	36.6	44.3	48.6	52.8	60.6	71.2
12.7	14.2	16.4	19.8	21.9	23.5	25.2	32.3	39.0	44.5	48.2	53.6	60.6	71.1
12.7	14.6	17.7	20.6	23.0	25.6	27.8	34.3	39.1	43.8	49.5	53.4	60.2	70.9
12.8	14.9	19.1	20.8	24.1	26.3	28.2	34.9	40.4	45.8	50.4	53.8	59.3	67.5
10.9	11.8	15.2	18.7	21.0	22.9	25.7	31.4	38.3	43.5	48.3	52.7	60.6	70.8
12.5	13.7	15.5	19.2	19.6	23.9	25.3	31.6	37.3	44.4	48.6	52.6	60.6	71.0
12.5	14.2	17.1	19.7	23.2	26.8	26.8	32.2	39.9	45.8	51.0	56.0	62.9	68.8
12.8	14.6	20.6	23.9	27.3	28.8	30.1	36.0	41.6	46.8	51.3	55.1	62.0	71.4
12.7	14.2	18.5	22.5	24.6	25.7	28.5	34.0	39.6	44.6	49.0	53.2	60.3	70.9
12.8	13.7	16.1	19.3	21.9	23.6	26.1	32.5	37.5	44.3	49.3	53.6	61.0	71.5
12.6	13.9	14.6	16.5	19.4	22.5	22.6	29.2	36.7	42.6	48.0	52.4	59.8	71.1
12.3	14.2	21.8	25.5	28.5	30.8	32.3	37.9	43.2	47.1	51.1	54.8	61.4	70.9
12.1	13.3	17.2	21.2	23.3	25.2	27.4	33.3	39.0	44.0	48.6	52.8	60.0	70.5
12.8	13.5	15.5	19.2	21.5	23.2	25.5	31.9	37.8	43.3	48.6	52.4	60.5	70.7
12.5	13.6	14.7	17.9	20.1	22.7	24.2	31.0	37.7	42.7	48.3	52.9	60.5	71.2
12.4	14.6	21.7	25.6	28.5	31.0	32.2	38.1	43.2	47.3	52.0	55.8	62.3	71.9
12.5	14.3	19.7	22.7	25.9	28.6	30.5	36.0	41.0	45.7	49.9	54.6	61.5	71.5
12.6	14.0	16.7	21.0	22.6	24.7	27.3	33.0	38.6	44.2	49.4	53.4	61.0	71.2
12.3	14.4	21.6	25.6	28.1	30.9	32.0	37.2	42.5	47.1	51.9	55.6	62.1	71.6
12.6	14.4	23.2	27.7	29.5	32.2	33.9	38.6	44.0	48.2	52.6	56.6	62.9	71.9
13.1	14.8	24.3	29.0	31.2	33.4	35.1	40.3	45.7	50.3	54.9	59.3	65.9	70.8
12.8	14.2	24.4	29.3	31.6	33.8	35.5	40.2	44.8	49.1	53.3	57.0	63.3	71.8
12.7	14.0	24.9	30.4	32.7	34.4	36.0	41.1	45.6	49.9	53.7	57.4	63.7	72.2
12.8	14.1	25.5	31.2	33.4	35.2	36.8	41.7	46.1	50.5	54.3	57.8	64.2	72.4
13.1	13.9	25.9	32.1	34.2	36.1	37.8	42.4	47.0	51.6	55.4	59.1	65.3	72.7
13.1	13.9	25.7	31.9	33.9	35.3	37.6	42.4	46.7	50.7	54.6	58.2	64.2	72.5
12.6	13.3	18.8	22.9	25.0	27.3	29.6	35.2	40.7	45.8	50.4	54.5	61.6	71.4
5.0	11.3	41.2	39.6	41.2	42.6	44.6	48.1	52.1	55.7	59.2	62.0	66.7	72.3
6.1	7.1	12.3	20.7	25.1	29.0	32.4	40.5	46.0	51.0	54.7	58.4	64.0	71.7

Table A22 (Concluded)

Piezometer Location														
No.	Station	Elevation	T=0 LC=7.0	T=15 LC=7.1	T=30 LC=7.3	T=45 LC=7.6	T=60 LC=7.9	T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9
163	22+60.6	-24.0	7.0	2.0	-1.3	1.4	0.9	1.2	1.6	2.4	2.7	1.3	2.8	4.6	6.7
164	22+60.6	-26.4	7.0	9.3	4.7	2.6	2.8	3.0	3.3	3.3	3.9	3.7	4.3	5.4	6.0

Average Piezometer Readings, Prototype Feet of Water																
T=75 LC=8.0	T=90 LC=8.1	T=105 LC=8.3	T=120 LC=8.5	T=150 LC=8.8	T=180 LC=9.2	T=240 LC=10.0	T=300 LC=10.9	T=360 LC=11.6	T=420 LC=12.3	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8
1.2	1.6	2.4	2.7	1.3	2.8	4.6	6.7	6.3	6.4	6.0	12.7	42.6	41.7	43.5	44.8	46.4
3.0	3.3	3.3	3.9	3.7	4.3	5.4	6.0	6.6	7.4	7.9	14.6	41.5	41.3	42.7	44.0	45.9

eter Readings, Prototype Feet of Water

	T=460 LC=12.8	T=480 LC=13.1	T=510 LC=15.3	T=540 LC=18.8	T=560 LC=21.4	T=580 LC=23.4	T=600 LC=25.8	T=660 LC=32.0	T=720 LC=38.2	T=780 LC=43.7	T=840 LC=48.5	T=900 LC=52.9	T=1020 LC=60.8	T=1260 LC=71.1
	6.0	12.7	42.6	41.7	43.5	44.8	46.4	50.1	54.2	57.5	60.4	63.2	67.5	73.3
	7.9	14.6	41.5	41.3	42.7	44.0	45.9	49.9	52.9	56.6	59.7	62.6	67.1	73.2

(Sheet 5 of 5)

Table A23
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 (Constant Speed Gate), Normal Valve Operation

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26
1	21+17.8	-16.0	74.0	73.7	73.2	72.5	71.9	71.7	72.1
2	21+25.2	-16.0	74.0	73.7	72.9	72.4	71.8	72.0	71.9
3	21+22.9	-16.0	74.0	73.6	72.9	72.2	71.8	71.8	72.0
4	21+29.5	-16.0	74.0	74.0	73.5	72.5	71.8	70.9	70.3
5	21+39.4	-16.0	74.0	73.5	72.4	71.4	70.8	70.5	71.1
6	21+36.2	-16.0	74.0	73.5	72.6	71.5	70.6	70.3	70.4
7	21+42.5	-16.0	74.0	73.4	72.0	69.6	67.0	66.9	67.3
8	21+53.8	-16.0	74.0	72.9	71.8	70.2	68.6	68.9	69.1
9	21+49.7	-16.0	74.0	73.2	71.8	70.1	68.9	68.8	69.1
10	21+55.9	-16.0	74.0	73.1	71.8	69.4	66.5	65.6	65.7
11	21+70.0	-13.6	74.0	73.7	72.8	63.6	55.2	54.1	55.2
12	21+85.0	-17.0	74.0	71.8	67.9	60.6	53.3	52.3	53.4
13	21+91.0	-17.0	74.0	72.0	68.0	61.3	54.6	53.4	54.4
13A	21+91.0	-17.0	74.0	73.7	72.1	69.9	66.9	64.2	66.2
14	22+05.0	-17.0	74.0	71.6	67.1	59.6	52.3	51.4	52.5
14A	22+05.0	-17.0	74.0	71.6	67.9	61.0	52.9	49.9	51.2
15	22+52.1	-17.0	16.0	15.6	16.8	23.9	49.2	49.6	50.8
15A	22+52.1	-17.0	16.0	16.8	15.6	21.1	48.0	49.0	50.6
16	21+53.5	-17.0	16.0	15.9	16.3	23.6	46.5	45.4	46.8
17	22+59.1	-16.9	16.0	16.6	16.5	28.3	48.0	49.3	50.6

zometer Reading During Filling Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool 16.0, 58.0-ft Lift, Valve l Valve Operation

Average Piezometer Readings, Prototype Feet of Water												
T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5
73.7	73.2	72.5	71.9	71.7	72.1	72.2	72.2	72.5	72.9	73.2	73.6	73.4
73.7	72.9	72.4	71.8	72.0	71.9	72.4	72.2	72.7	72.8	73.1	73.5	73.7
73.6	72.9	72.2	71.8	71.8	72.0	72.0	72.2	72.5	72.8	72.7	73.0	73.3
74.0	73.5	72.5	71.8	70.9	70.3	70.0	70.0	70.5	70.7	71.6	72.1	73.0
73.5	72.4	71.4	70.8	70.5	71.1	71.2	71.3	71.6	71.8	72.4	72.6	73.2
73.5	72.6	71.5	70.6	70.3	70.4	71.0	71.0	71.2	71.8	72.2	72.9	73.1
73.4	72.0	69.6	67.0	66.9	67.3	67.6	67.9	68.8	69.3	70.8	71.6	72.6
72.9	71.8	70.2	68.6	68.9	69.1	69.8	69.8	70.3	71.1	71.6	72.6	72.9
73.2	71.8	70.1	68.9	68.8	69.1	69.4	69.6	70.1	70.7	71.3	72.1	72.7
73.1	71.8	69.4	66.5	65.6	65.7	66.0	66.5	67.6	68.5	69.9	71.2	72.1
73.7	72.8	63.6	55.2	54.1	55.2	56.3	57.5	60.3	62.9	68.6	70.4	70.4
71.8	67.9	60.6	53.3	52.3	53.4	54.3	55.6	57.8	60.0	63.6	66.8	69.0
72.0	68.0	61.3	54.6	53.4	54.4	55.5	56.9	59.0	60.6	64.2	67.1	69.6
73.7	72.1	69.9	66.9	64.2	66.2	67.2	67.5	68.0	68.3	70.0	70.4	71.5
71.6	67.1	59.6	52.3	51.4	52.5	53.4	54.8	57.1	59.4	63.2	66.5	69.0
71.6	67.9	61.0	52.9	49.9	51.2	52.3	53.9	56.2	58.5	62.6	66.1	68.4
15.6	16.8	23.9	49.2	49.6	50.8	51.8	53.4	55.8	58.2	62.5	65.7	68.5
16.8	15.6	21.1	48.0	49.0	50.6	51.1	53.1	55.5	57.9	62.1	65.5	68.6
15.9	16.3	23.6	46.5	45.4	46.8	47.0	49.1	52.8	55.0	61.4	65.7	69.6
16.6	16.5	28.3	48.0	49.3	50.6	52.3	53.9	56.3	58.7	62.5	66.0	68.7

per Pool El 74.0, Lower Pool 16.0, 58.0-ft Lift, Valve Speed 1 Min

neter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
72.2	72.5	72.9	73.2	73.6	73.4	73.7	74.0	74.1	74.0
72.2	72.7	72.8	73.1	73.5	73.7	73.8	74.0	73.9	74.0
72.2	72.5	72.8	72.7	73.0	73.3	73.8	73.8	73.7	74.0
70.0	70.5	70.7	71.6	72.1	73.0	73.2	73.4	73.9	74.0
71.3	71.6	71.8	72.4	72.6	73.2	73.4	73.8	74.2	74.0
71.0	71.2	71.8	72.2	72.9	73.1	73.3	73.6	74.1	74.0
67.9	68.8	69.3	70.8	71.6	72.6	73.2	73.6	73.7	74.0
69.8	70.3	71.1	71.6	72.6	72.9	73.5	73.6	74.2	74.0
69.6	70.1	70.7	71.3	72.1	72.7	72.8	73.4	73.6	74.0
66.5	67.6	68.5	69.9	71.2	72.1	72.6	73.1	73.2	74.0
57.5	60.3	62.9	68.6	70.4	70.4	70.7	72.1	73.2	74.0
55.6	57.8	60.0	63.6	66.8	69.0	71.2	72.7	73.5	74.0
56.9	59.0	60.6	64.2	67.1	69.6	71.3	72.7	73.0	74.0
67.5	68.0	68.3	70.0	70.4	71.5	72.3	73.3	73.3	74.0
54.8	57.1	59.4	63.2	66.5	69.0	70.8	72.5	73.2	74.0
53.9	56.2	58.5	62.6	66.1	68.4	70.6	72.4	73.7	74.0
53.4	55.8	58.2	62.5	65.7	68.5	70.7	72.5	73.3	74.0
53.1	55.5	57.9	62.1	65.5	68.6	70.6	72.3	73.4	74.0
49.1	52.8	55.0	61.4	65.7	69.6	71.7	73.3	73.4	74.0
53.9	56.3	58.7	62.5	66.0	68.7	70.5	72.3	73.1	74.0

Table A23 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5
18	22+62.6	-16.8	7.0	9.5	4.9	0.9	-0.4	-2.4	-2.8
19	22+69.1	-16.6	7.0	9.5	6.6	4.9	2.7	3.3	0.5
20	22+76.6	-16.5	16.0	16.3	17.0	34.0	44.6	45.7	47.1
21	22+90.6	-16.5	16.0	25.3	30.2	39.8	48.7	49.7	51.0
21A	22+90.6	-16.5	16.0	24.3	28.9	40.2	47.7	49.0	49.9
22	23+50.0	-16.5	16.0	20.8	30.2	38.3	45.9	46.5	48.6
23	24+50.0	-16.5	16.0	18.9	26.0	36.8	43.7	46.3	48.0
24	25+50.0	-16.5	16.0	22.6	28.4	36.0	43.7	45.2	47.4
24A	25+50.0	-16.5	16.0	21.8	27.4	34.5	41.7	44.4	45.6
25	26+04.3	-24.25	16.0	20.6	26.8	35.6	45.6	49.4	51.1
26	25+95.9	-24.25	16.0	20.6	23.6	27.8	32.7	33.7	36.3
27	26+09.2	-17.0	16.0	19.4	23.9	30.2	36.6	39.0	41.1
27A	26+09.2	-17.0	16.0	20.6	24.9	31.3	37.3	40.3	41.8
28	26+01.3	-20.1	16.0	16.8	17.5	18.0	17.7	18.0	19.5
29	26+12.4	-20.1	16.0	20.1	24.5	31.0	38.4	40.6	42.2
30	25+96.0	-20.1	16.0	18.3	18.3	18.5	17.5	17.8	20.1
31	26+04.5	-20.1	16.0	19.4	24.0	30.9	38.2	41.0	42.7
32	25+88.1	-20.1	16.0	18.7	19.0	18.6	17.8	19.2	20.9
33	25+92.6	-20.1	16.0	19.0	23.3	30.2	36.3	38.9	40.4
34	26+01.3	-28.4	16.0	19.4	20.1	21.6	20.0	20.9	24.0
35	26+12.4	-28.4	16.0	18.5	22.4	28.0	35.6	39.5	41.7

Average Piezometer Readings, Prototype Feet of Water

T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5
9.5	4.9	0.9	-0.4	-2.4	-2.8	0.1	6.7	24.1	55.8	60.7	68.3	71.5
9.5	6.6	4.9	2.7	3.3	0.5	3.3	5.7	19.7	31.2	54.7	59.8	63.9
6.3	17.0	34.0	44.6	45.7	47.1	49.1	50.2	53.1	55.7	60.7	64.1	67.6
5.3	30.2	39.8	48.7	49.7	51.0	52.3	53.4	56.2	58.4	62.9	65.8	68.8
4.3	28.9	40.2	47.7	49.0	49.9	51.5	52.5	55.4	58.1	61.7	65.5	68.1
0.8	30.2	38.3	45.9	46.5	48.6	50.0	51.1	54.0	56.5	61.2	65.1	67.9
8.9	26.0	36.8	43.7	46.3	48.0	49.6	50.9	53.9	56.6	61.2	64.8	67.8
2.6	28.4	36.0	43.7	45.2	47.4	48.6	51.0	53.4	56.3	61.1	64.6	68.0
1.8	27.4	34.5	41.7	44.4	45.6	48.0	49.0	52.5	55.3	60.1	63.8	67.3
0.6	26.8	35.6	45.6	49.4	51.1	52.6	54.2	56.4	58.7	62.4	65.6	68.6
0.6	23.6	27.8	32.7	33.7	36.3	38.8	41.5	45.0	48.5	55.0	60.6	65.0
9.4	23.9	30.2	36.6	39.0	41.1	43.0	45.2	48.6	51.8	57.5	62.7	66.3
0.6	24.9	31.3	37.3	40.3	41.8	44.0	45.5	49.2	52.4	58.1	62.6	66.5
6.8	17.5	18.0	17.7	18.0	19.5	22.7	25.9	31.2	36.4	45.6	53.2	59.5
0.1	24.5	31.0	38.4	40.6	42.2	45.1	46.3	48.8	52.8	58.5	62.6	66.7
8.3	18.3	18.5	17.5	17.8	20.1	22.7	25.4	29.8	34.1	50.8	55.8	60.3
9.4	24.0	30.9	38.2	41.0	42.7	44.8	46.6	49.8	53.1	58.6	63.1	66.4
8.7	19.0	18.6	17.8	19.2	20.9	23.9	26.8	30.1	35.8	47.0	56.3	62.6
9.0	23.3	30.2	36.3	38.9	40.4	43.5	44.2	48.4	51.6	57.3	62.3	66.4
9.4	20.1	21.6	20.0	20.9	24.0	27.1	29.3	35.3	40.6	48.5	56.4	62.1
8.5	22.4	28.0	35.6	39.5	41.7	43.9	45.7	49.1	52.2	57.7	62.2	66.0

ter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
6.7	24.1	55.8	60.7	68.3	71.5	73.4	74.6	76.0	76.5
5.7	19.7	31.2	54.7	59.8	63.9	67.5	70.8	72.8	74.3
50.2	53.1	55.7	60.7	64.1	67.6	70.0	71.9	73.2	74.0
53.4	56.2	58.4	62.9	65.8	68.8	70.9	72.5	73.8	74.0
52.5	55.4	58.1	61.7	65.5	68.1	70.6	72.3	73.6	74.0
51.1	54.0	56.5	61.2	65.1	67.9	70.3	72.0	73.3	74.0
50.9	53.9	56.6	61.2	64.8	67.8	70.2	72.2	73.3	74.0
51.0	53.4	56.3	61.1	64.6	68.0	70.2	72.1	73.6	74.0
49.0	52.5	55.3	60.1	63.8	67.3	70.2	72.1	73.1	74.0
54.2	56.4	58.7	62.4	65.6	68.6	70.7	72.4	73.4	74.0
41.5	45.0	48.5	55.0	60.6	65.0	68.2	71.2	73.1	74.0
45.2	48.6	51.8	57.5	62.7	66.3	68.9	71.2	72.8	74.0
45.5	49.2	52.4	58.1	62.6	66.5	69.5	71.6	73.4	74.0
25.9	31.2	36.4	45.6	53.2	59.5	64.9	68.8	71.8	74.0
46.3	48.8	52.8	58.5	62.6	66.7	69.5	71.7	73.1	74.0
25.4	29.8	34.1	50.8	55.8	60.3	65.8	69.8	72.3	74.0
46.6	49.8	53.1	58.6	63.1	66.4	69.6	71.9	73.3	74.0
26.8	30.1	35.8	47.0	56.3	62.6	67.0	70.2	72.6	74.0
44.2	48.4	51.6	57.3	62.3	66.4	69.2	71.6	73.1	74.0
29.3	35.3	40.6	48.5	56.4	62.1	67.1	70.5	72.8	74.0
45.7	49.1	52.2	57.7	62.2	66.0	69.1	71.5	72.9	74.0

Table A23 (Continued)

Piezometer Location									A
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5
36	25+96.0	-28.4	16.0	17.5	19.1	19.6	20.5	21.1	23.1
37	26+04.1	-28.4	16.0	18.4	21.7	27.3	35.5	39.9	41.1
38	25+88.4	7.0	7.4	8.2	8.5	9.3	9.9	10.9	12.4
39	25+88.1	-28.4	7.0	6.9	8.2	8.4	9.6	10.9	12.6
40	25+75.0	-24.1	16.0	19.3	22.2	26.2	29.9	32.2	35.0
42	25+70.0	-24.0	16.0	18.5	20.0	22.3	24.4	27.5	29.5
43	25+70.0	-24.0	16.0	18.4	20.2	21.9	24.4	27.0	29.5
44	25+65.0	-23.1	16.0	18.0	17.9	18.9	18.6	20.3	22.4
45	25+65.0	-23.1	16.0	16.9	17.3	17.5	17.7	19.0	20.6
46	25+65.0	-23.1	16.0	19.3	26.3	36.8	47.4	51.5	51.5
47	25+60.0	-22.7	16.0	18.1	19.3	21.3	21.9	24.8	27.4
48	25+60.0	-22.7	16.0	18.1	19.6	21.3	23.2	24.8	28.4
49	25+60.0	-22.7	16.0	17.5	18.1	19.1	19.8	20.6	22.5
50	25+60.0	-22.7	16.0	18.4	18.9	19.6	19.0	21.5	24.1
51	25+50.0	-22.1	16.0	18.5	20.2	23.7	26.5	29.4	32.3
52	25+50.0	-22.1	16.0	18.4	20.4	24.1	26.5	29.8	33.1
53	25+50.0	-22.1	16.0	18.4	20.1	22.8	24.5	26.6	29.3
54	25+50.0	-22.1	16.0	18.2	19.6	22.7	25.5	28.1	30.3
55	25+40.0	-21.5	16.0	17.4	20.1	24.2	27.9	31.8	33.9
56	25+40.0	-21.5	16.0	17.4	19.3	22.2	24.6	27.9	30.4
57	25+40.0	-21.5	16.0	18.5	20.1	23.4	26.6	28.9	31.5

Average Piezometer Readings, Prototype Feet of Water

T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.
17.5	19.1	19.6	20.5	21.1	23.1	26.1	28.7	33.9	39.2	47.8	55.4	61.6
18.4	21.7	27.3	35.5	39.9	41.1	43.4	45.8	48.7	52.3	57.1	61.9	66.0
8.2	8.5	9.3	9.9	10.9	12.4	13.3	16.6	21.1	30.7	46.8	47.6	53.8
6.9	8.2	8.4	9.6	10.9	12.6	15.1	17.8	24.2	31.6	45.1	52.6	58.3
19.3	22.2	26.2	29.9	32.2	35.0	36.7	38.1	41.4	44.5	51.2	58.2	62.9
18.5	20.0	22.3	24.4	27.5	29.5	32.6	34.8	39.9	43.6	51.9	58.0	63.5
18.4	20.2	21.9	24.4	27.0	29.5	32.2	34.2	39.4	44.2	51.2	58.0	63.2
18.0	17.9	18.9	18.6	20.3	22.4	25.5	27.8	33.4	38.6	47.4	54.8	61.0
16.9	17.3	17.5	17.7	19.0	20.6	22.8	25.1	30.1	34.9	44.0	52.1	59.2
19.3	26.3	36.8	47.4	51.5	51.5	52.8	55.8	56.9	57.9	63.6	67.6	68.3
18.1	19.3	21.3	21.9	24.8	27.4	29.7	32.5	37.6	42.5	51.0	57.5	62.8
18.1	19.6	21.3	23.2	24.8	28.4	30.0	33.1	37.5	42.4	50.5	57.3	62.9
17.5	18.1	19.1	19.8	20.6	22.5	24.7	26.8	30.2	33.8	40.2	51.2	57.7
18.4	18.9	19.6	19.0	21.5	24.1	28.0	31.3	36.7	42.6	50.9	58.1	61.8
18.5	20.2	23.7	26.5	29.4	32.3	34.4	37.0	41.0	45.7	53.0	59.4	63.8
18.4	20.4	24.1	26.5	29.8	33.1	35.5	38.2	43.7	49.0	58.4	64.8	66.8
18.4	20.1	22.8	24.5	26.6	29.3	32.5	35.0	39.6	44.4	52.2	58.5	64.0
18.2	19.6	22.7	25.5	28.1	30.3	33.3	35.7	40.7	44.9	52.0	58.6	64.0
17.4	20.1	24.2	27.9	31.8	33.9	36.4	38.3	42.8	47.2	54.1	59.9	64.9
17.4	19.3	22.2	24.6	27.9	30.4	33.1	35.4	40.1	44.8	52.0	58.2	63.3
18.5	20.1	23.4	26.6	28.9	31.5	34.4	37.2	41.6	45.8	52.7	58.6	64.0

meter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
28.7	33.9	39.2	47.8	55.4	61.6	66.6	69.9	72.2	74.0
45.8	48.7	52.3	57.1	61.9	66.0	68.8	71.4	73.2	74.0
16.6	21.1	30.7	46.8	47.6	53.8	61.4	66.9	71.5	74.7
17.8	24.2	31.6	45.1	52.6	58.3	63.6	67.4	70.9	73.5
38.1	41.4	44.5	51.2	58.2	62.9	67.5	70.6	72.7	74.0
34.8	39.9	43.6	51.9	58.0	63.5	67.5	70.6	72.9	74.0
34.2	39.4	44.2	51.2	58.0	63.2	67.5	70.7	72.8	74.0
27.8	33.4	38.6	47.4	54.8	61.0	66.1	69.7	72.0	74.0
25.1	30.1	34.9	44.0	52.1	59.2	64.6	68.8	72.0	74.0
55.8	56.9	57.9	63.6	67.6	68.3	70.8	72.2	73.3	74.0
32.5	37.6	42.5	51.0	57.5	62.8	67.4	70.4	72.8	74.0
33.1	37.5	42.4	50.5	57.3	62.9	67.3	70.4	72.7	74.0
26.8	30.2	33.8	40.2	51.2	57.7	62.7	67.5	71.3	74.0
31.3	36.7	42.6	50.9	58.1	61.8	65.6	69.5	72.1	74.0
37.0	41.0	45.7	53.0	59.4	63.8	68.1	71.1	73.0	74.0
38.2	43.7	49.0	58.4	64.8	66.8	67.9	68.5	69.5	74.0
35.0	39.6	44.4	52.2	58.5	64.0	67.7	70.5	72.8	74.0
35.7	40.7	44.9	52.0	58.6	64.0	68.0	70.6	73.1	74.0
38.3	42.8	47.2	54.1	59.9	64.9	68.4	71.1	73.0	74.0
35.4	40.1	44.8	52.0	58.2	63.3	67.9	70.6	72.8	74.0
37.2	41.6	45.8	52.7	58.6	64.0	68.1	70.9	73.3	74.0

Table A23 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26
58	25+40.0	-21.5	16.0	18.2	20.5	23.7	27.5	29.7	32.3
59	25+30.0	-20.9	16.0	18.2	20.5	25.2	30.2	34.5	36.9
60	25+30.0	-20.9	16.0	17.5	19.3	21.3	24.2	26.9	29.8
61	25+30.0	-20.9	16.0	16.3	17.6	19.2	21.8	23.8	26.7
62	25+30.0	-20.9	16.0	17.5	19.9	24.5	28.9	32.1	35.0
63	25+25.0	-20.6	16.0	17.8	21.3	26.4	34.0	38.2	40.2
64	25+25.0	-20.6	16.0	16.8	17.5	18.3	19.9	22.3	25.3
65	25+25.0	-20.6	16.0	16.8	16.8	17.9	18.5	19.8	22.1
66	25+25.0	-20.6	16.0	16.3	17.2	20.6	27.2	31.9	35.0
68	25+23.0	-20.6	16.0	16.2	17.1	18.7	21.3	24.0	26.6
69	25+23.0	-20.6	16.0	17.4	18.0	19.9	21.2	23.4	26.2
70	25+23.0	-20.6	16.0	17.3	20.6	26.0	31.9	35.1	37.9
71	25+10.2	-24.25	16.0	17.3	19.6	23.0	27.5	30.1	32.9
71A	25+10.2	-24.25	16.0	17.4	20.2	23.7	29.3	31.3	32.9
72	25+00.2	-24.25	16.0	17.5	21.4	26.7	33.0	36.5	38.9
73	24+90.2	-24.25	16.0	17.0	21.3	27.4	34.9	39.0	41.4
74	24+80.2	-24.25	16.0	16.7	21.5	28.4	36.4	41.0	43.5
75	24+70.2	-24.25	16.0	17.3	22.0	29.6	38.2	43.0	45.4
76	24+60.2	-24.25	16.0	16.8	22.0	30.0	39.4	44.2	46.6
77	24+50.2	-24.25	16.0	16.6	22.3	30.4	40.2	45.3	47.8
78	24+40.2	-24.25	16.0	16.5	22.0	30.6	40.9	46.3	48.8

Average Piezometer Readings, Prototype Feet of Water													
.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T= LC
	18.2	20.5	23.7	27.5	29.7	32.3	35.8	37.4	42.4	46.3	53.0	59.3	64.
	18.2	20.5	25.2	30.2	34.5	36.9	39.1	40.8	45.2	48.3	55.2	60.6	65.
	17.5	19.3	21.3	24.2	26.9	29.8	31.8	34.7	39.9	43.9	51.7	58.3	63.
	16.3	17.6	19.2	21.8	23.8	26.7	29.2	31.9	36.9	41.6	49.8	56.9	62.
	17.5	19.9	24.5	28.9	32.1	35.0	37.2	39.5	43.4	47.5	54.4	60.0	64.
	17.8	21.3	26.4	34.0	38.2	40.2	42.6	43.9	48.0	50.5	56.7	61.8	65.
	16.8	17.5	18.3	19.9	22.3	25.3	28.1	30.7	35.9	40.6	49.2	56.5	62.
	16.8	16.8	17.9	18.5	19.8	22.1	24.7	27.0	31.8	36.5	45.5	53.5	59.
	16.3	17.2	20.6	27.2	31.9	35.0	37.3	39.5	43.4	47.2	54.0	59.5	64.
	16.2	17.1	18.7	21.3	24.0	26.6	29.6	32.2	37.4	42.0	50.0	56.8	62.
	17.4	18.0	19.9	21.2	23.4	26.2	28.7	31.7	37.0	41.5	50.3	57.3	63.
	17.3	20.6	26.0	31.9	35.1	37.9	40.5	42.1	45.3	49.6	55.6	61.0	65.
	17.3	19.6	23.0	27.5	30.1	32.9	35.0	37.0	40.9	44.8	51.4	57.4	62.
	17.4	20.2	23.7	29.3	31.3	32.9	36.5	38.8	42.7	47.2	53.8	59.2	64.
	17.5	21.4	26.7	33.0	36.5	38.9	40.9	42.5	46.3	50.4	56.1	61.1	65.
	17.0	21.3	27.4	34.9	39.0	41.4	43.5	45.1	48.9	52.1	57.5	62.3	66.
	16.7	21.5	28.4	36.4	41.0	43.5	44.8	46.9	49.9	53.3	58.4	62.6	66.
	17.3	22.0	29.6	38.2	43.0	45.4	46.9	48.6	51.2	54.8	59.3	63.7	67.
	16.8	22.0	30.0	39.4	44.2	46.6	48.4	50.2	52.7	55.4	59.8	63.9	67.
	16.6	22.3	30.4	40.2	45.3	47.8	49.4	51.3	53.5	56.0	60.6	64.6	67.
	16.5	22.0	30.6	40.9	46.3	48.8	50.0	51.6	54.2	56.6	60.9	64.6	67.

ter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
37.4	42.4	46.3	53.0	59.3	64.2	68.3	70.9	73.0	74.0
40.8	45.2	48.3	55.2	60.6	65.2	68.4	71.0	72.8	74.0
34.7	39.9	43.9	51.7	58.3	63.8	67.7	70.7	72.8	74.0
31.9	36.9	41.6	49.8	56.9	62.4	67.1	70.3	72.5	74.0
39.5	43.4	47.5	54.4	60.0	64.8	68.3	71.1	72.9	74.0
43.9	48.0	50.5	56.7	61.8	65.5	68.9	71.5	73.1	74.0
30.7	35.9	40.6	49.2	56.5	62.3	67.2	70.3	72.6	74.0
27.0	31.8	36.5	45.5	53.5	59.9	65.6	69.4	72.7	74.0
39.5	43.4	47.2	54.0	59.5	64.0	67.9	70.8	72.8	74.0
32.2	37.4	42.0	50.0	56.8	62.6	66.8	70.2	72.4	74.0
31.7	37.0	41.5	50.3	57.3	63.0	67.5	70.7	73.2	74.0
42.1	45.3	49.6	55.6	61.0	65.0	68.8	71.2	72.9	74.0
37.0	40.9	44.8	51.4	57.4	62.3	66.5	69.9	72.5	74.0
38.8	42.7	47.2	53.8	59.2	64.3	68.2	70.8	72.7	74.0
42.5	46.3	50.4	56.1	61.1	65.7	68.7	71.3	73.0	74.0
45.1	48.9	52.1	57.5	62.3	66.3	69.2	71.5	73.3	74.0
46.9	49.9	53.3	58.4	62.6	66.3	69.2	71.3	73.1	74.0
48.6	51.2	54.8	59.3	63.7	67.1	69.9	71.8	73.2	74.0
50.2	52.7	55.4	59.8	63.9	67.1	69.7	71.5	72.8	74.0
51.3	53.5	56.0	60.6	64.6	67.5	70.0	72.0	73.1	74.0
51.6	54.2	56.6	60.9	64.6	67.6	70.1	72.1	73.2	74.0

Table A23 (Continued)

Piezometer Location									A
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5
79	24+30.2	-24.25	16.0	16.5	22.3	30.8	41.0	46.9	49.3
79A	24+30.2	-24.25	16.0	16.5	22.1	30.5	41.1	47.6	48.9
80	26+17.0	-28.4	16.0	19.0	19.2	20.2	20.4	22.0	24.1
81	26+06.0	-28.4	16.0	20.0	24.3	30.9	37.6	40.0	41.3
82	26+22.4	-28.4	16.0	18.9	19.4	20.3	20.1	22.6	24.7
83	26+13.9	-28.4	16.0	18.2	21.8	27.9	34.5	38.4	40.1
84	26+30.3	-28.4	16.0	18.8	19.1	20.0	19.1	22.0	23.5
85	26+25.7	-28.4	16.0	19.1	22.7	28.8	34.4	38.7	39.5
86	26+17.0	-20.1	16.0	18.7	19.1	19.4	17.8	18.6	21.3
87	26+06.0	-20.1	16.0	19.5	23.6	29.9	35.5	39.4	41.6
88	26+22.4	-20.1	16.0	18.3	18.9	19.4	17.3	18.2	21.3
89	26+13.9	-20.1	16.0	18.4	22.3	27.9	34.3	38.2	41.0
90	26+30.3	-20.1	16.0	18.6	22.2	27.8	34.6	38.8	41.6
91	26+25.7	-20.1	16.0	18.6	22.2	28.0	34.7	38.4	41.7
92	26+43.3	-24.1	16.0	18.2	20.7	25.6	30.2	33.0	35.9
93	26+43.3	-24.1	16.0	18.9	21.1	26.8	30.0	33.3	36.7
94	26+48.3	-24.0	16.0	18.5	20.1	23.4	25.2	26.9	29.3
95	26+48.3	-24.0	16.0	18.4	20.4	23.8	25.5	28.2	31.4
96	26+53.3	-23.1	16.0	18.4	18.8	19.1	18.9	20.0	21.9
97	26+53.3	-23.1	16.0	18.3	17.6	17.3	16.0	17.6	19.9
98	26+53.3	-23.1	16.0	19.4	25.0	35.9	46.7	53.1	53.0

Average Piezometer Readings, Prototype Feet of Water

16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T= L
	16.5	22.3	30.8	41.0	46.9	49.3	50.9	51.7	54.8	56.7	61.0	64.8	67
	16.5	22.1	30.5	41.1	47.6	48.9	50.9	52.1	54.9	57.1	61.4	65.0	67
	19.0	19.2	20.2	20.4	22.0	24.1	26.8	30.1	35.5	40.3	49.2	56.2	62
	20.0	24.3	30.9	37.6	40.0	41.3	44.0	45.9	49.8	52.9	58.3	62.6	66
	18.9	19.4	20.3	20.1	22.6	24.7	27.1	29.9	35.7	40.3	49.3	56.8	62
	18.2	21.8	27.9	34.5	38.4	40.1	41.9	43.7	47.5	50.7	56.8	61.4	65
	18.8	19.1	20.0	19.1	22.0	23.5	26.8	29.3	34.5	39.7	48.8	56.1	62
	19.1	22.7	28.8	34.4	38.7	39.5	41.6	44.3	46.4	50.4	56.4	61.3	65
	18.7	19.1	19.4	17.8	18.6	21.3	24.1	27.4	32.8	38.3	47.4	54.9	61
	19.5	23.6	29.9	35.5	39.4	41.6	43.4	45.7	48.8	52.2	58.0	62.2	66
	18.3	18.9	19.4	17.3	18.2	21.3	24.8	28.2	33.3	38.4	48.1	55.5	61
	18.4	22.3	27.9	34.3	38.2	41.0	43.3	45.5	49.1	52.4	58.2	62.6	66
	18.6	22.2	27.8	34.6	38.8	41.6	43.4	45.9	49.3	53.0	58.0	62.4	66
	18.6	22.2	28.0	34.7	38.4	41.7	43.4	45.7	49.5	53.1	58.1	62.7	66
	18.2	20.7	25.6	30.2	33.0	35.9	37.5	40.3	44.2	47.4	53.9	60.0	64
	18.9	21.1	26.8	30.0	33.3	36.7	38.2	39.9	44.4	48.2	55.0	60.5	65
	18.5	20.1	23.4	25.2	26.9	29.3	31.9	34.0	39.4	43.6	51.3	57.8	63
	18.4	20.4	23.8	25.5	28.2	31.4	33.7	35.7	40.8	44.7	52.5	58.8	64
	18.4	18.8	19.1	18.9	20.0	21.9	26.5	28.9	35.3	40.4	51.5	54.6	61
	18.3	17.6	17.3	16.0	17.6	19.9	23.8	27.0	32.1	37.7	47.0	55.0	61
	19.4	25.0	35.9	46.7	53.1	53.0	55.4	55.4	58.5	59.4	62.4	66.2	68

meter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
51.7	54.8	56.7	61.0	64.8	67.8	70.4	72.2	73.3	74.0
52.1	54.9	57.1	61.4	65.0	67.9	70.2	72.0	73.1	74.0
30.1	35.5	40.3	49.2	56.2	62.5	66.7	70.4	72.6	74.0
45.9	49.8	52.9	58.3	62.6	66.3	69.0	71.0	72.9	74.0
29.9	35.7	40.3	49.3	56.8	62.6	67.0	70.5	73.1	74.0
43.7	47.5	50.7	56.8	61.4	65.8	68.7	71.3	73.0	74.0
29.3	34.5	39.7	48.8	56.1	62.4	67.0	70.2	72.9	74.0
44.3	46.4	50.4	56.4	61.3	65.6	69.0	71.4	72.9	74.0
27.4	32.8	38.3	47.4	54.9	61.5	66.4	70.1	72.5	74.0
45.7	48.8	52.2	58.0	62.2	66.6	69.2	71.5	73.0	74.0
28.2	33.3	38.4	48.1	55.5	61.8	66.4	70.4	72.8	74.0
45.5	49.1	52.4	58.2	62.6	66.4	69.4	71.7	73.4	74.0
45.9	49.3	53.0	58.0	62.4	66.1	69.1	71.5	72.9	74.0
45.7	49.5	53.1	58.1	62.7	66.6	69.2	71.4	73.1	74.0
40.3	44.2	47.4	53.9	60.0	64.6	68.1	71.2	73.1	74.0
39.9	44.4	48.2	55.0	60.5	65.0	68.3	71.2	72.9	74.0
34.0	39.4	43.6	51.3	57.8	63.5	67.6	70.7	72.8	74.0
35.7	40.8	44.7	52.5	58.8	64.1	68.1	71.0	73.1	74.0
28.9	35.3	40.4	51.5	54.6	61.2	65.9	69.8	72.5	74.0
27.0	32.1	37.7	47.0	55.0	61.3	66.4	70.0	72.7	74.0
55.4	58.5	59.4	62.4	66.2	68.3	70.1	72.5	73.3	74.0

Table A23 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=2
99	26+58.3	-22.7	7.0	7.0	7.8	7.9	9.2	9.6	10.8
100	26+58.3	-22.7	16.0	18.1	19.4	21.4	22.5	24.4	26.2
101	26+58.3	-22.7	16.0	17.8	18.7	19.7	21.2	22.2	25.0
102	26+58.3	-22.7	16.0	18.1	19.0	19.9	21.3	22.8	25.0
103	26+68.3	-22.1	16.0	17.8	20.2	23.2	26.6	28.8	30.8
104	26+68.3	-22.1	16.0	18.0	19.9	22.8	25.6	27.8	29.7
105	26+68.3	-22.1	16.0	17.5	18.6	20.7	23.5	25.5	27.8
106	26+68.3	-22.1	16.0	17.8	19.8	22.4	25.4	27.7	30.5
107	26+78.3	-21.5	16	18.1	20.9	24.1	28.5	30.9	33.2
108	26+78.3	-21.5	16	16.5	18.8	21.3	25.0	28.0	30.8
109	26+78.3	-21.5	16.0	17.4	19.6	23.0	26.2	28.7	31.2
110	26+78.3	-21.5	16.0	18.3	20.0	24.0	27.6	29.9	32.9
111	26+88.3	-20.9	16.0	17.5	20.1	24.1	29.4	32.8	35.4
112	26+88.3	-20.9	16.0	18.0	19.6	22.2	24.5	27.3	29.6
113	26+88.3	-20.9	16.0	17.9	19.4	21.9	24.5	26.3	28.9
114	26+88.3	-20.9	16.0	17.5	20.5	25.1	29.9	33.8	35.6
115	26+93.3	-20.6	16.0	18.0	21.3	27.2	33.5	37.3	40.0
116	26+93.3	-20.6	16.0	17.0	17.9	18.8	19.7	21.9	24.5
117	26+93.3	-20.6	16.0	16.7	17.4	17.8	18.3	19.5	22.1
118	26+93.3	-20.6	16.0	17.7	20.9	26.2	32.5	36.1	38.4
119	26+95.3	-20.6	16.0	17.4	20.0	25.0	32.2	36.6	40.0

Average Piezometer Readings, Prototype Feet of Water

=30 C=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0
.8	7.9	9.2	9.6	10.8	12.0	14.0	18.0	20.7	32.3	42.9	52.8	60.5
.4	21.4	22.5	24.4	26.2	28.7	31.1	37.0	41.8	49.9	57.2	62.8	67.1
.7	19.7	21.2	22.2	25.0	29.3	30.9	36.3	41.0	49.8	56.5	62.5	66.9
.0	19.9	21.3	22.8	25.0	28.9	30.8	36.0	40.9	49.6	56.6	62.2	66.9
.2	23.2	26.6	28.8	30.8	33.2	35.9	40.3	45.0	52.4	58.5	63.4	67.5
.9	22.8	25.6	27.8	29.7	32.4	34.6	39.8	44.2	51.6	58.5	63.3	67.6
.6	20.7	23.5	25.5	27.8	30.8	33.1	37.4	42.3	51.2	58.5	65.2	70.8
.8	22.4	25.4	27.7	30.5	33.4	35.2	40.0	44.1	52.0	58.7	65.3	68.3
.9	24.1	28.5	30.9	33.2	34.9	37.5	42.1	46.2	53.8	58.9	64.0	68.5
.8	21.3	25.0	28.0	30.8	33.6	35.6	40.7	45.1	52.5	58.5	64.1	67.8
.6	23.0	26.2	28.7	31.2	33.4	35.4	40.9	44.4	52.0	58.5	63.3	67.5
.0	24.0	27.6	29.9	32.9	35.6	37.7	42.5	46.9	52.7	57.4	61.0	63.2
.1	24.1	29.4	32.8	35.4	37.2	39.5	43.8	47.7	54.2	60.0	64.6	68.1
.6	22.2	24.5	27.3	29.6	32.1	34.9	40.1	44.9	52.9	59.0	64.2	68.0
.4	21.9	24.5	26.3	28.9	31.9	33.9	39.1	43.2	51.5	58.1	63.2	67.6
.5	25.1	29.9	33.8	35.6	37.4	39.8	44.3	47.4	54.5	60.0	64.4	68.4
.3	27.2	33.5	37.3	40.0	41.1	42.7	47.3	50.4	56.0	61.3	65.7	68.9
.9	18.8	19.7	21.9	24.5	26.6	29.6	34.7	39.5	48.3	55.4	61.5	66.5
.4	17.8	18.3	19.5	22.1	25.1	28.3	33.9	38.8	47.9	55.3	61.6	66.3
.9	26.2	32.5	36.1	38.4	39.9	42.5	46.7	49.7	55.6	61.0	65.3	68.8
.0	25.0	32.2	36.6	40.0	43.2	44.8	46.5	48.8	55.0	60.6	65.0	68.6

heter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
14.0	18.0	20.7	32.3	42.9	52.8	60.5	66.3	69.6	72.4
31.1	37.0	41.8	49.9	57.2	62.8	67.1	70.5	72.6	74.0
30.9	36.3	41.0	49.8	56.5	62.5	66.9	70.1	72.8	74.0
30.8	36.0	40.9	49.6	56.6	62.2	66.9	70.3	72.8	74.0
35.9	40.3	45.0	52.4	58.5	63.4	67.5	70.8	72.6	74.0
34.6	39.8	44.2	51.6	58.5	63.3	67.6	70.3	72.6	74.0
33.1	37.4	42.3	51.2	58.5	65.2	70.8	72.5	73.3	74.0
35.2	40.0	44.1	52.0	58.7	65.3	68.3	70.9	72.6	74.0
37.5	42.1	46.2	53.8	58.9	64.0	68.5	71.0	73.2	74.0
35.6	40.7	45.1	52.5	58.5	64.1	67.8	70.8	73.5	74.0
35.4	40.9	44.4	52.0	58.5	63.3	67.5	70.6	73.0	74.0
37.7	42.5	46.9	52.7	57.4	61.0	63.2	70.7	73.0	74.0
39.5	43.8	47.7	54.2	60.0	64.6	68.1	70.8	72.8	74.0
34.9	40.1	44.9	52.9	59.0	64.2	68.0	70.9	72.7	74.0
33.9	39.1	43.2	51.5	58.1	63.2	67.6	70.7	72.8	74.0
39.8	44.3	47.4	54.5	60.0	64.4	68.4	70.9	73.0	74.0
42.7	47.3	50.4	56.0	61.3	65.7	68.9	71.5	73.2	74.0
29.6	34.7	39.5	48.3	55.4	61.5	66.5	69.9	72.6	74.0
28.3	33.9	38.8	47.9	55.3	61.6	66.3	70.1	72.4	74.0
42.5	46.7	49.7	55.6	61.0	65.3	68.8	71.5	73.0	74.0
44.8	46.5	48.8	55.0	60.6	65.0	68.6	71.0	73.0	74.0

Table A23 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26
120	26+95.3	-20.6	16.0	16.9	17.1	18.7	20.2	21.9	24.3
121	26+95.3	-20.6	16.0	16.1	16.7	17.1	18.2	19.5	21.8
122	26+95.3	-20.6	16.0	17.7	21.1	25.8	31.4	35.3	37.7
123	27+08.1	-24.25	16.0	17.9	20.7	24.7	30.1	32.9	34.9
123A	27+08.1	-24.25	16.0	17.5	20.3	24.2	29.2	32.8	34.6
124	27+18.1	-24.25	16.0	17.4	21.1	25.8	31.8	35.2	37.5
125	27+28.1	-24.25	16.0	17.0	21.2	26.6	34.2	38.1	40.3
126	27+38.1	-24.25	16.0	17.1	21.6	28.0	35.9	40.6	43.0
127	27+48.1	-24.25	16.0	16.6	21.2	28.2	37.1	41.7	43.5
128	27+58.1	-24.25	16.0	16.4	20.5	27.5	36.7	41.6	43.9
129	27+68.1	-24.25	16.0	16.1	21.5	28.9	39.3	44.1	45.9
130	27+78.1	-24.25	16.0	16.5	21.8	29.7	40.1	45.5	47.6
131	27+88.1	-24.25	16.0	16.3	22.0	29.7	40.8	46.7	48.3
131A	27+88.1	-24.25	16.0	16.3	22.1	29.4	39.8	45.1	47.4
132	26+14.0	-24.25	16.0	21.1	27.8	36.0	45.2	49.9	50.9
133	26+22.5	-24.25	16.0	21.0	27.6	35.7	44.7	49.1	50.3
134	26+70.0	-17.0	16.0	21.1	27.0	36.1	45.8	49.9	51.0
134A	26+70.0	-17.0	16.0	20.8	26.0	34.5	44.2	48.9	50.6
135	27+85.0	-17.0	16.0	21.8	26.5	35.8	45.0	48.3	49.9
135A	27+85.0	-17.0	16.0	22.9	26.4	35.5	43.9	49.1	49.9
136	28+60.0	-18.0	16.0	22.3	26.8	36.7	46.5	49.9	51.1

Average Piezometer Readings, Prototype Feet of Water												
T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5
16.9	17.1	18.7	20.2	21.9	24.3	26.3	29.0	33.7	38.5	47.0	55.1	61.1
16.1	16.7	17.1	18.2	19.5	21.8	24.5	27.5	33.4	38.1	47.2	54.6	60.9
17.7	21.1	25.8	31.4	35.3	37.7	39.6	41.4	46.1	48.9	55.2	60.3	65.2
17.9	20.7	24.7	30.1	32.9	34.9	37.9	39.7	43.8	47.7	54.3	60.2	64.7
17.5	20.3	24.2	29.2	32.8	34.6	37.3	39.2	44.1	47.7	54.4	60.0	64.6
17.4	21.1	25.8	31.8	35.2	37.5	39.7	41.5	45.6	49.2	55.5	61.1	65.4
17.0	21.2	26.6	34.2	38.1	40.3	42.5	44.3	48.1	51.1	56.9	61.5	65.9
17.1	21.6	28.0	35.9	40.6	43.0	44.9	46.2	50.5	54.2	60.7	66.7	70.7
16.6	21.2	28.2	37.1	41.7	43.5	45.6	46.8	50.4	53.2	58.6	62.8	66.5
16.4	20.5	27.5	36.7	41.6	43.9	45.6	47.0	50.2	53.0	58.0	62.6	66.1
16.1	21.5	28.9	39.3	44.1	45.9	47.8	49.5	52.1	54.7	59.9	63.8	66.8
16.5	21.8	29.7	40.1	45.5	47.6	48.9	50.3	53.3	55.8	60.4	63.9	67.2
16.3	22.0	29.7	40.8	46.7	48.3	49.5	51.0	53.9	56.2	60.7	64.4	67.6
16.3	22.1	29.4	39.8	45.1	47.4	49.6	50.6	53.6	55.9	61.0	64.3	67.4
21.1	27.8	36.0	45.2	49.9	50.9	52.7	53.7	56.6	58.9	62.4	65.9	68.5
21.0	27.6	35.7	44.7	49.1	50.3	51.8	52.6	56.0	58.4	62.0	65.1	68.3
21.1	27.0	36.1	45.8	49.9	51.0	52.9	54.0	56.5	58.6	62.5	65.9	68.7
20.8	26.0	34.5	44.2	48.9	50.6	52.2	53.5	56.1	58.3	62.4	65.8	68.5
21.8	26.5	35.8	45.0	48.3	49.9	51.8	53.0	55.8	57.9	62.2	65.4	68.3
22.9	26.4	35.5	43.9	49.1	49.9	52.0	53.5	56.1	58.4	62.3	65.4	68.3
22.3	26.8	36.7	46.5	49.9	51.1	53.0	53.6	56.3	58.5	62.6	65.7	68.5

er Readings, Prototype Feet of Water

=120 C=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
9.0	33.7	38.5	47.0	55.1	61.1	65.8	69.7	72.1	74.0
7.5	33.4	38.1	47.2	54.6	60.9	65.7	69.6	72.7	74.0
1.4	46.1	48.9	55.2	60.3	65.2	68.7	71.4	73.0	74.0
9.7	43.8	47.7	54.3	60.2	64.7	67.8	70.9	72.6	74.0
9.2	44.1	47.7	54.4	60.0	64.6	68.4	71.1	73.1	74.0
1.5	45.6	49.2	55.5	61.1	65.4	68.8	71.3	73.2	74.0
4.3	48.1	51.1	56.9	61.5	65.9	68.9	71.5	73.4	74.0
6.2	50.5	54.2	60.7	66.7	70.7	71.1	72.0	73.2	74.0
6.8	50.4	53.2	58.6	62.8	66.5	69.3	71.9	73.4	74.0
7.0	50.2	53.0	58.0	62.6	66.1	68.8	71.0	73.1	74.0
9.5	52.1	54.7	59.9	63.8	66.8	69.6	72.0	72.9	74.0
0.3	53.3	55.8	60.4	63.9	67.2	69.8	71.9	73.1	74.0
1.0	53.9	56.2	60.7	64.4	67.6	69.9	72.3	73.3	74.0
0.6	53.6	55.9	61.0	64.3	67.4	69.9	71.7	73.1	74.0
3.7	56.6	58.9	62.4	65.9	68.5	70.7	72.5	73.5	74.0
2.6	56.0	58.4	62.0	65.1	68.3	70.8	72.1	73.1	74.0
4.0	56.5	58.6	62.5	65.9	68.7	70.8	72.0	73.6	74.0
3.5	56.1	58.3	62.4	65.8	68.5	70.5	72.5	73.4	74.0
3.0	55.8	57.9	62.2	65.4	68.3	70.5	72.3	73.5	74.0
3.5	56.1	58.4	62.3	65.4	68.3	70.5	72.1	73.1	74.0
3.6	56.3	58.5	62.6	65.7	68.5	70.7	72.3	73.3	74.0

Table A23 (Concluded)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.
136A	28+60.0	-18.0	16.0	23.2	26.0	36.1	45.1	49.9	50.7
137	28+72.0	-18.0	16.0	21.8	26.1	36.4	46.6	50.1	51.0
137A	28+72.0	-18.0	16.0	22.6	25.9	35.8	44.4	49.5	50.5
161	22+57.6	-24.0	16.0	15.3	16.4	26.1	50.0	51.1	51.8
162	22+57.6	-26.4	16.0	19.8	18.7	28.5	50.2	50.9	52.0
163	22+60.6	-24.0	16.0	14.3	16.9	30.3	50.8	51.6	52.8
164	22+60.6	-26.4	16.0	18.2	18.7	29.0	49.7	51.3	52.1

Average Piezometer Readings, Prototype Feet of Water												
T=15 LC=16.1	T=30 LC=16.8	T=45 LC=18.8	T=60 LC=21.0	T=75 LC=23.9	T=90 LC=26.5	T=105 LC=29.2	T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5
23.2	26.0	36.1	45.1	49.9	50.7	52.4	54.0	56.3	58.4	62.6	65.8	68.3
21.8	26.1	36.4	46.6	50.1	51.0	52.7	53.9	56.5	58.8	62.5	66.0	68.7
22.6	25.9	35.8	44.4	49.5	50.5	52.6	53.7	55.9	58.4	62.4	65.9	68.3
15.3	16.4	26.1	50.0	51.1	51.8	52.9	54.7	57.1	59.3	63.1	66.2	68.8
19.8	18.7	28.5	50.2	50.9	52.0	53.2	54.5	57.2	59.2	63.2	66.0	68.9
14.3	16.9	30.3	50.8	51.6	52.8	53.9	55.4	57.7	59.7	63.3	66.5	68.7
18.2	18.7	29.0	49.7	51.3	52.1	53.5	54.9	57.3	59.3	63.1	66.5	68.7

ter Readings, Prototype Feet of Water

T=120 LC=32.0	T=150 LC=36.9	T=180 LC=41.8	T=240 LC=49.9	T=300 LC=56.8	T=360 LC=62.5	T=420 LC=67.0	T=480 LC=70.3	T=540 LC=72.9	T=600 LC=74.0
54.0	56.3	58.4	62.6	65.8	68.3	70.6	72.2	73.5	74.0
53.9	56.5	58.8	62.5	66.0	68.7	70.6	72.2	73.4	74.0
53.7	55.9	58.4	62.4	65.9	68.3	70.9	72.5	73.3	74.0
54.7	57.1	59.3	63.1	66.2	68.8	70.9	72.6	73.4	74.0
54.5	57.2	59.2	63.2	66.0	68.9	70.8	72.3	73.4	74.0
55.4	57.7	59.7	63.3	66.5	68.7	70.9	72.3	73.1	74.0
54.9	57.3	59.3	63.1	66.5	68.7	70.9	72.5	73.7	74.0

(Sheet 8 of 8)

Table A24
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upp

Piezometer Location										
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T=1 LC=
1	21+17.8	-16.0	74.0	74.0	73.4	73.4	73.4	73.0	72.6	72.
2	21+25.2	-16.0	74.0	73.7	73.5	73.5	72.9	72.7	72.3	72.
3	21+22.9	-16.0	74.0	73.7	73.6	73.4	72.9	72.6	72.4	72.
4	21+29.5	-16.0	74.0	74.0	73.5	73.1	72.5	71.5	70.7	70.
5	21+39.4	-16.0	74.0	73.8	73.3	73.1	72.9	72.5	71.9	71.
6	21+36.2	-16.0	74.0	73.8	73.7	73.1	73.1	72.5	71.8	71.
7	21+42.5	-16.0	74.0	73.8	73.3	72.8	71.9	70.9	69.6	68.
8	21+53.8	-16.0	74.0	73.4	73.1	72.9	72.3	71.3	70.3	69.
9	21+49.7	-16.0	74.0	73.6	73.0	72.7	72.2	71.4	70.2	69.
10	21+55.9	-16.0	74.0	73.6	73.2	72.4	71.4	69.9	68.5	66.
11	21+70.0	-13.6	74.0	73.2	72.3	70.5	67.8	64.5	60.4	56.
12	21+85.0	-17.0	74.0	73.3	72.2	70.4	67.7	63.9	60.1	55.
13	21+91.0	-17.0	74.0	73.5	72.2	70.4	68.0	64.5	60.8	57.
13A	21+91.0	-17.0	74.0	73.7	73.7	73.4	72.4	72.3	69.4	62.
14	22+05.0	-17.0	74.0	73.3	72.4	70.2	67.5	63.3	59.0	55.
14A	22+05.0	-17.0	74.0	72.6	72.2	70.4	67.7	63.9	60.1	56.
15	22+52.1	-17.0	16.0	13.3	13.0	8.6	9.2	13.8	24.0	38.
15A	22+52.1	-17.0	16.0	18.5	14.8	7.8	10.8	10.8	19.5	29.
16	21+53.5	-17.0	16.0	12.4	12.0	7.3	9.9	13.3	20.9	39.
17	22+59.1	-16.9	16.0	13.5	12.1	8.3	9.5	18.1	26.3	44.
18	22+62.6	-16.8	16.0	14.1	14.1	8.1	10.4	18.2	28.2	43.
19	22+69.1	-16.6	16.0	16.7	15.4	17.3	16.9	25.6	37.5	47.
20	22+76.6	-16.5	16.0	16.9	17.1	17.0	17.2	18.8	36.7	43.
21	22+90.6	-16.5	16.0	18.9	23.4	22.2	28.4	34.0	42.5	46.
21A	22+90.6	-16.5	16.0	20.8	21.6	21.8	26.8	32.6	39.8	45.
22	23+50.0	-16.5	16.0	14.8	19.0	21.8	28.1	33.3	40.1	45.
23	24+50.0	-16.5	16.0	16.3	17.0	17.8	19.7	24.0	28.7	34.
24	25+50.0	-16.5	16.0	17.8	21.0	22.9	28.4	32.5	38.2	43.
24A	25+50.0	-16.5	16.0	18.6	20.6	22.1	27.2	31.0	36.4	41.
25	26+04.3	-24.25	16.0	17.2	19.1	21.2	25.7	31.2	38.2	44.

leading During Filling Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58.0-Ft Lift, Valve Speed 2 Mi

Average Piezometer Readings, Prototype Feet of Water

0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T=105 LC=24.2	T=120 LC=26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=3(LC=
	73.4	73.4	73.4	73.0	72.6	72.3	72.0	72.1	72.5	72.9	73.2	73.5
	73.5	73.5	72.9	72.7	72.3	72.0	72.3	72.0	72.2	72.7	72.9	73.2
	73.6	73.4	72.9	72.6	72.4	72.0	71.9	72.2	72.4	72.6	72.9	73.5
	73.5	73.1	72.5	71.5	70.7	70.0	69.5	70.1	70.3	71.1	72.2	72.9
	73.3	73.1	72.9	72.5	71.9	71.3	71.2	71.6	71.9	72.5	72.7	73.2
	73.7	73.1	73.1	72.5	71.8	71.3	70.6	71.3	71.6	71.8	72.7	73.0
	73.3	72.8	71.9	70.9	69.6	68.2	67.7	68.0	68.7	70.2	71.4	72.1
	73.1	72.9	72.3	71.3	70.3	69.6	69.5	69.8	70.6	71.2	71.8	72.6
	73.0	72.7	72.2	71.4	70.2	69.4	69.0	69.8	70.4	71.2	71.9	72.7
	73.2	72.4	71.4	69.9	68.5	66.6	65.8	66.2	67.2	68.8	70.1	71.3
	72.3	70.5	67.8	64.5	60.4	56.8	55.1	56.6	58.7	62.4	65.7	68.3
	72.2	70.4	67.7	63.9	60.1	55.9	54.1	55.6	57.7	61.7	65.3	67.7
	72.2	70.4	68.0	64.5	60.8	57.5	55.4	56.9	59.0	62.7	65.8	68.1
	73.7	73.4	72.4	72.3	69.4	62.3	57.5	58.9	62.1	69.2	70.8	71.9
	72.4	70.2	67.5	63.3	59.0	55.2	53.2	54.9	57.3	61.4	65.1	67.8
	72.2	70.4	67.7	63.9	60.1	56.1	52.7	53.9	56.4	60.7	64.7	67.3
	13.0	8.6	9.2	13.8	24.0	38.0	50.5	53.4	55.8	60.5	64.2	67.2
	14.8	7.8	10.8	10.8	19.5	29.3	50.0	52.6	55.4	59.7	63.6	66.7
	12.0	7.3	9.9	13.3	20.9	39.2	46.1	46.5	49.7	54.6	60.0	65.4
	12.1	8.3	9.5	18.1	26.3	44.0	52.6	55.0	57.4	61.6	65.4	68.1
	14.1	8.1	10.4	18.2	28.2	43.6	52.8	55.6	57.9	62.0	65.1	67.8
	15.4	17.3	16.9	25.6	37.5	47.9	51.3	53.6	56.2	60.6	64.4	67.3
	17.1	17.0	17.2	18.8	36.7	43.5	47.6	50.9	53.7	58.2	62.3	65.3
	23.4	22.2	28.4	34.0	42.5	46.6	50.5	53.4	55.9	60.6	64.0	66.9
	21.6	21.8	26.8	32.6	39.8	45.1	50.1	52.8	55.4	59.9	63.6	66.7
	19.0	21.8	28.1	33.3	40.1	45.3	48.8	51.4	54.2	59.0	63.0	66.3
	17.0	17.8	19.7	24.0	28.7	34.0	41.8	48.7	52.4	57.6	62.2	65.6
	21.0	22.9	28.4	32.5	38.2	43.3	46.8	49.7	53.3	58.4	63.1	66.2
	20.6	22.1	27.2	31.0	36.4	41.6	45.7	49.8	52.4	58.0	62.2	65.8
	19.1	21.2	25.7	31.2	38.2	44.0	48.7	53.1	56.1	60.2	64.1	66.6

4.0, Lower Pool El 16.0, 58.0-Ft Lift, Valve Speed 2 Min (Constant Speed Gate), Normal Valve Operation

age Piezometer Readings, Prototype Feet of Water

0 6.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3	T=420 LC=64.7	T=480 LC=68.2	T=540 LC=71.3	T=600 LC=72.8	T=660 LC=74.0
	72.1	72.5	72.9	73.2	73.5	73.6	73.8	73.9	74.0	74.0
	72.0	72.2	72.7	72.9	73.2	73.4	73.6	73.7	73.8	74.0
	72.2	72.4	72.6	72.9	73.5	73.4	73.8	73.8	74.1	74.0
	70.1	70.3	71.1	72.2	72.9	73.0	73.4	73.7	73.9	74.0
	71.6	71.9	72.5	72.7	73.2	73.2	73.8	73.8	74.0	74.0
	71.3	71.6	71.8	72.7	73.0	73.7	73.7	73.9	73.9	74.0
	68.0	68.7	70.2	71.4	72.1	73.1	73.4	74.0	73.9	74.0
	69.8	70.6	71.2	71.8	72.6	73.0	73.5	73.9	73.9	74.0
	69.8	70.4	71.2	71.9	72.7	73.2	73.7	73.9	74.1	74.0
	66.2	67.2	68.8	70.1	71.3	72.3	73.0	73.3	73.7	74.0
	56.6	58.7	62.4	65.7	68.3	70.5	72.0	73.1	74.1	74.0
	55.6	57.7	61.7	65.3	67.7	70.0	71.8	72.8	73.7	74.0
	56.9	59.0	62.7	65.8	68.1	70.2	71.8	73.1	73.7	74.0
	58.9	62.1	69.2	70.8	71.9	73.0	73.7	74.2	74.3	74.0
	54.9	57.3	61.4	65.1	67.8	70.0	71.8	72.9	73.5	74.0
	53.9	56.4	60.7	64.7	67.3	69.7	71.3	72.9	73.6	74.0
	53.4	55.8	60.5	64.2	67.2	69.5	71.5	72.9	73.9	74.0
	52.6	55.4	59.7	63.6	66.7	69.4	71.2	72.5	73.3	74.0
	46.5	49.7	54.6	60.0	65.4	69.7	71.6	73.1	73.5	74.0
	55.0	57.4	61.6	65.4	68.1	70.0	71.6	73.2	74.0	74.0
	55.6	57.9	62.0	65.1	67.8	70.1	71.9	73.1	74.1	74.0
	53.6	56.2	60.6	64.4	67.3	69.8	71.6	72.9	73.8	74.0
	50.9	53.7	58.2	62.3	65.3	68.7	70.7	72.4	73.5	74.0
	53.4	55.9	60.6	64.0	66.9	69.5	71.4	72.7	73.5	74.0
	52.8	55.4	59.9	63.6	66.7	69.3	71.3	72.6	73.3	74.0
	51.4	54.2	59.0	63.0	66.3	69.1	70.9	72.4	73.3	74.0
	48.7	52.4	57.6	62.2	65.6	68.3	70.5	72.1	73.1	74.0
	49.7	53.3	58.4	63.1	66.2	69.0	71.6	72.6	73.7	74.0
	49.8	52.4	58.0	62.2	65.8	68.9	71.1	72.6	73.5	74.0
	53.1	56.1	60.2	64.1	66.6	69.4	71.1	72.6	73.6	74.0

Table A24 (Continued)

Piezometer Location										
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T= LC
26	25+95.9	-24.25	16.0	17.4	19.0	20.4	23.7	25.8	29.7	33.
27	26+09.2	-17.0	16.0	16.6	18.5	19.7	23.5	27.4	32.4	37.
27A	26+09.2	-17.0	16.0	17.9	19.2	21.2	24.9	28.8	33.6	37.
28	26+01.3	-20.1	16.0	16.5	17.2	17.6	18.2	18.8	19.5	20.
29	26+12.4	-20.1	16.0	17.5	19.3	21.4	25.5	29.8	35.0	39.
30	25+96.0	-20.1	16.0	16.5	17.1	17.4	18.2	19.0	19.7	20.
31	26+04.5	-20.1	16.0	17.3	19.2	21.3	25.2	29.4	34.2	39.
32	25+88.1	-20.1	16.0	16.8	17.3	17.6	18.3	18.8	19.8	21.
33	25+92.6	-20.1	16.0	17.2	19.1	20.8	25.2	28.8	33.7	38.
34	26+01.3	-28.4	16.0	16.6	17.4	17.9	18.8	19.6	20.8	22.
35	26+12.4	-28.4	16.0	16.8	18.4	19.6	22.9	26.6	31.1	36.
36	25+96.0	-28.4	16.0	16.3	17.4	18.0	19.1	20.3	21.5	23.
37	26+04.1	-28.4	16.0	17.0	18.3	19.7	23.8	28.7	33.3	38.
38	25+88.1	-28.4	16.0	17.2	17.7	18.3	19.3	21.1	21.5	23.
39	25+92.6	-28.4	16.0	16.8	17.9	19.1	21.4	24.2	27.0	31.
40	25+75.0	-24.1	16.0	16.5	17.7	18.3	20.6	22.7	25.3	28.
42	25+70.0	-24.0	16.0	17.0	17.9	18.9	20.6	23.2	24.9	27.
43	25+70.0	-24.0	16.0	16.8	17.8	18.4	20.4	22.8	24.8	27.
44	25+65.0	-23.1	16.0	17.0	17.6	17.9	19.0	20.3	21.0	21.
45	25+65.0	-23.1	16.0	16.2	16.5	16.6	17.0	17.1	17.7	18.
46	25+65.0	-23.1	16.0	17.2	19.3	22.5	27.4	34.3	40.6	49.
47	25+60.0	-22.7	16.0	16.7	17.4	18.3	19.9	21.8	23.3	25.
48	25+60.0	-22.7	16.0	16.9	17.9	18.7	20.1	22.4	24.2	25.
49	25+60.0	-22.7	16.0	16.9	17.5	18.3	19.7	21.5	22.8	24.
50	25+60.0	-22.7	16.0	16.9	17.4	18.6	19.5	20.7	21.8	24.
51	25+50.0	-22.1	16.0	16.6	17.8	18.8	21.0	23.5	25.6	28.
52	25+50.0	-22.1	16.0	17.2	18.0	19.3	21.3	23.9	26.5	29.
53	25+50.0	-22.1	16.0	16.9	17.9	19.0	20.8	23.1	25.0	27.
54	25+50.0	-22.1	16.0	16.6	17.5	18.7	21.0	22.3	25.5	27.
55	25+40.0	-21.5	16.0	16.6	17.8	18.9	21.2	24.1	27.2	29.
56	25+40.0	-21.5	16.0	16.6	17.4	18.6	20.3	22.5	24.8	28.

	Average Piezometer Readings, Prototype Feet of Water											
4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T=105 LC=24.2	T=120 LC=26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3	T=4 LC=
	20.4	23.7	25.8	29.7	33.2	35.9	40.1	44.2	51.5	57.3	62.0	66.3
	19.7	23.5	27.4	32.4	37.1	40.5	44.5	48.0	54.3	59.7	63.9	66.6
	21.2	24.9	28.8	33.6	37.9	41.7	45.8	49.1	55.3	60.3	64.5	68.1
	17.6	18.2	18.8	19.5	20.7	22.0	26.3	31.2	40.6	48.8	55.7	61.7
	21.4	25.5	29.8	35.0	39.2	42.1	47.0	49.8	55.6	60.4	64.8	68.4
	17.4	18.2	19.0	19.7	20.6	21.1	25.3	29.7	43.1	49.7	55.4	61.6
	21.3	25.2	29.4	34.2	39.1	42.6	46.7	49.8	56.1	61.2	65.2	67.7
	17.6	18.3	18.8	19.8	21.4	21.7	26.6	30.9	42.0	50.1	55.7	61.5
	20.8	25.2	28.8	33.7	38.5	42.5	47.5	51.3	60.6	64.0	64.6	66.5
	17.9	18.8	19.6	20.8	22.4	23.0	26.5	31.5	41.0	49.7	56.5	62.4
	19.6	22.9	26.6	31.1	36.0	40.5	45.4	48.5	54.8	60.1	64.4	67.8
	18.0	19.1	20.3	21.5	23.4	24.5	28.5	33.5	43.8	51.9	58.5	64.0
	19.7	23.8	28.7	33.3	38.4	43.3	47.0	49.4	55.9	60.5	64.3	67.6
	18.3	19.3	21.1	21.5	23.0	24.7	29.1	34.0	44.0	52.3	58.9	64.5
	19.1	21.4	24.2	27.0	31.3	35.2	40.4	44.2	50.0	55.8	61.4	65.2
	18.3	20.6	22.7	25.3	28.6	31.5	35.7	40.2	48.5	55.2	60.7	65.2
	18.9	20.6	23.2	24.9	27.6	30.5	35.3	39.9	48.6	54.9	61.1	65.8
	18.4	20.4	22.8	24.8	27.6	29.8	34.1	39.7	48.4	55.1	61.5	65.8
	17.9	19.0	20.3	21.0	21.8	24.0	28.7	34.2	44.3	51.9	58.7	64.5
	16.6	17.0	17.1	17.7	18.5	19.4	22.8	26.3	35.7	44.4	52.4	59.2
	22.5	27.4	34.3	40.6	49.6	50.0	55.6	58.0	62.8	65.6	68.3	69.9
	18.3	19.9	21.8	23.3	25.6	28.5	32.3	37.7	46.7	54.4	60.2	65.2
	18.7	20.1	22.4	24.2	25.9	28.4	32.4	38.2	46.6	53.7	60.1	65.0
	18.3	19.7	21.5	22.8	24.6	26.7	31.9	37.1	45.9	53.3	59.9	64.8
	18.6	19.5	20.7	21.8	24.4	26.1	31.7	36.0	45.2	54.2	61.0	64.0
	18.8	21.0	23.5	25.6	28.8	32.6	36.9	41.4	49.4	56.1	61.7	66.1
	19.3	21.3	23.9	26.5	29.2	32.6	37.2	41.9	50.1	59.0	64.3	66.6
	19.0	20.8	23.1	25.0	27.6	30.0	35.2	40.0	48.2	55.0	61.0	65.7
	18.7	21.0	22.3	25.5	27.5	31.3	35.4	40.6	47.8	55.4	60.9	65.7
	18.9	21.2	24.1	27.2	29.9	33.5	38.2	42.9	50.4	56.8	62.0	66.4
	18.6	20.3	22.5	24.8	28.0	30.0	35.1	39.7	48.0	55.2	61.0	65.4

age Piezometer Readings, Prototype Feet of Water

0 26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3	T=420 LC=64.7	T=480 LC=68.2	T=540 LC=71.3	T=600 LC=72.8	T=660 LC=74.0
	40.1	44.2	51.5	57.3	62.0	66.3	69.2	71.5	73.1	74.0
	44.5	48.0	54.3	59.7	63.9	66.6	69.5	71.7	72.8	74.0
	45.8	49.1	55.3	60.3	64.5	68.1	70.4	72.3	73.5	74.0
	26.3	31.2	40.6	48.8	55.7	61.7	66.3	70.0	72.6	74.0
	47.0	49.8	55.6	60.4	64.8	68.4	70.4	72.1	73.5	74.0
	25.3	29.7	43.1	49.7	55.4	61.6	66.4	70.1	72.8	74.0
	46.7	49.8	56.1	61.2	65.2	67.7	70.5	72.1	73.2	74.0
	26.6	30.9	42.0	50.1	55.7	61.5	67.4	71.0	73.0	74.0
	47.5	51.3	60.6	64.0	64.6	66.5	68.8	70.8	72.7	74.0
	26.5	31.5	41.0	49.7	56.5	62.4	66.9	70.8	73.3	74.0
	45.4	48.5	54.8	60.1	64.4	67.8	70.3	72.2	73.3	74.0
	28.5	33.5	43.8	51.9	58.5	64.0	68.2	71.3	73.3	74.0
	47.0	49.4	55.9	60.5	64.3	67.6	70.1	72.0	73.3	74.0
	29.1	34.0	44.0	52.3	58.9	64.5	68.4	71.2	72.9	74.0
	40.4	44.2	50.0	55.8	61.4	65.2	68.3	70.9	72.9	74.0
	35.7	40.2	48.5	55.2	60.7	65.2	68.8	71.4	73.1	74.0
	35.3	39.9	48.6	54.9	61.1	65.8	69.0	71.7	73.3	74.0
	34.1	39.7	48.4	55.1	61.5	65.8	69.5	71.7	73.6	74.0
	28.7	34.2	44.3	51.9	58.7	64.5	68.2	71.0	73.0	74.0
	22.8	26.3	35.7	44.4	52.4	59.2	64.7	68.9	72.1	74.0
	55.6	58.0	62.8	65.6	68.3	69.9	71.8	72.5	73.6	74.0
	32.3	37.7	46.7	54.4	60.2	65.2	69.2	71.5	73.3	74.0
	32.4	38.2	46.6	53.7	60.1	65.0	69.2	71.4	73.2	74.0
	31.9	37.1	45.9	53.3	59.9	64.8	68.7	71.2	73.0	74.0
	31.7	36.0	45.2	54.2	61.0	64.0	67.4	70.2	72.5	74.0
	36.9	41.4	49.4	56.1	61.7	66.1	69.3	71.6	73.4	74.0
	37.2	41.9	50.1	59.0	64.3	66.6	68.6	70.2	73.1	74.0
	35.2	40.0	48.2	55.0	61.0	65.7	69.0	71.5	73.1	74.0
	35.4	40.6	47.8	55.4	60.9	65.7	69.0	71.5	73.1	74.0
	38.2	42.9	50.4	56.8	62.0	66.4	69.6	71.8	73.5	74.0
	35.1	39.7	48.0	55.2	61.0	65.4	68.9	71.6	73.2	74.0

Table A24 (Continued)

Piezometer Location										
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	
57	25+40.0	-21.5	16.0	16.7	17.9	19.0	21.1	23.1	26.0	
58	25+40.0	-21.5	16.0	16.5	17.7	18.2	20.4	22.6	25.3	
59	25+30.0	-20.9	16.0	16.9	17.9	19.2	22.0	25.1	28.8	
60	25+30.0	-20.9	16.0	16.5	17.3	18.2	20.1	22.0	24.4	
61	25+30.0	-20.9	16.0	16.3	17.3	17.8	19.8	21.5	23.6	
62	25+30.0	-20.9	16.0	16.6	17.9	19.1	21.8	24.5	27.8	
63	25+25.0	-20.6	16.0	16.6	17.5	19.3	22.5	26.0	30.5	
64	25+25.0	-20.6	16.0	16.5	16.9	17.5	18.5	19.8	21.5	
65	25+25.0	-20.6	16.0	16.1	17.1	17.2	18.0	18.4	19.4	
66	25+25.0	-20.6	16.0	16.0	16.5	17.7	20.1	23.2	27.7	
68	25+23.0	-20.6	16.0	15.9	16.6	17.6	18.3	20.1	21.9	
69	25+23.0	-20.6	16.0	16.6	17.4	17.6	19.3	20.8	22.5	
70	25+23.0	-20.6	16.0	16.5	17.6	19.1	22.0	25.0	29.4	
71	25+10.2	-24.25	16.0	16.4	17.3	18.0	19.6	22.2	25.1	
71A	25+10.2	-24.25	16.0	16.7	17.7	18.9	21.7	23.9	26.6	
72	25+00.2	-24.25	16.0	16.3	17.9	19.1	22.2	25.7	29.7	
73	24+90.2	-24.25	16.0	16.4	17.8	19.4	22.9	27.0	31.8	
74	24+80.2	-24.25	16.0	16.5	17.5	19.7	23.1	27.5	32.6	
75	24+70.2	-24.25	16.0	16.0	17.9	19.8	23.4	28.1	33.7	
76	24+60.2	-24.25	16.0	16.5	17.9	20.1	24.1	29.0	35.1	
77	24+50.2	-24.25	16.0	16.3	17.7	20.1	23.9	29.2	35.3	
78	24+40.2	-24.25	16.0	16.1	17.6	20.2	24.3	29.3	35.6	
79	24+30.2	-24.25	16.0	16.1	17.5	20.2	24.1	29.5	36.1	
79A	24+30.2	-24.25	16.0	16.2	17.5	20.0	24.0	29.4	35.6	
80	26+17.0	-28.4	16.0	17.3	17.9	18.5	19.8	20.2	22.4	
81	26+06.0	-28.4	16.0	17.5	19.3	20.8	24.6	28.2	33.7	
82	26+22.4	-28.4	16.0	17.0	17.6	18.1	19.7	20.7	22.5	
83	26+13.9	-28.4	16.0	16.6	17.8	18.9	21.9	25.5	30.4	
84	26+30.3	-28.4	16.0	16.9	17.8	18.1	19.5	20.2	22.0	
85	26+25.7	-28.4	16.0	17.1	18.6	19.8	23.0	26.0	30.7	
86	26+17.0	-20.1	16.0	17.4	17.7	18.5	19.7	19.8	20.7	

Average Piezometer Readings, Prototype Feet of Water											
T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T=105 LC=24.2	T=120 LC=26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3
17.9	19.0	21.1	23.1	26.0	28.4	32.2	36.8	41.2	48.8	55.9	61.7
17.7	18.2	20.4	22.6	25.3	28.8	31.8	36.7	41.3	49.1	55.7	61.1
17.9	19.2	22.0	25.1	28.8	33.0	36.6	40.9	44.5	51.9	57.9	62.9
17.3	18.2	20.1	22.0	24.4	26.9	30.1	34.9	39.1	48.0	54.8	60.5
17.3	17.8	19.8	21.5	23.6	26.2	28.8	34.0	38.6	47.9	55.0	60.8
17.9	19.1	21.8	24.5	27.8	31.7	34.6	39.7	43.6	51.5	57.1	62.1
17.5	19.3	22.5	26.0	30.5	34.9	39.3	43.4	47.1	53.8	59.1	63.7
16.9	17.5	18.5	19.8	21.5	23.6	26.0	30.7	35.8	45.4	53.4	59.5
17.1	17.2	18.0	18.4	19.4	20.9	22.2	26.2	31.0	40.4	48.5	56.5
16.5	17.7	20.1	23.2	27.7	32.4	36.1	41.7	45.5	52.1	58.1	62.8
16.6	17.6	18.3	20.1	21.9	24.5	27.0	32.4	37.3	46.1	53.6	59.8
17.4	17.6	19.3	20.8	22.5	24.8	26.7	32.6	37.3	47.1	54.5	60.6
17.6	19.1	22.0	25.0	29.4	33.2	36.9	41.9	45.5	52.5	58.1	62.9
17.3	18.0	19.6	22.2	25.1	28.9	31.7	36.8	41.5	49.4	55.4	60.7
17.7	18.9	21.7	23.9	26.6	30.8	33.6	38.9	42.7	50.7	56.4	61.9
17.9	19.1	22.2	25.7	29.7	33.9	37.7	43.0	46.5	53.3	58.6	63.4
17.8	19.4	22.9	27.0	31.8	36.3	40.4	45.5	48.8	54.8	59.9	64.3
17.5	19.7	23.1	27.5	32.6	37.7	41.8	46.9	50.2	55.8	60.7	64.6
17.9	19.8	23.4	28.1	33.7	39.2	43.4	48.9	51.3	56.9	61.3	65.4
17.9	20.1	24.1	29.0	35.1	40.3	45.0	50.3	52.7	57.8	62.4	65.9
17.7	20.1	23.9	29.2	35.3	41.0	45.9	50.8	53.5	58.0	62.7	66.2
17.6	20.2	24.3	29.3	35.6	41.6	46.2	51.1	53.9	58.9	63.2	66.2
17.5	20.2	24.1	29.5	36.1	41.7	46.7	51.6	54.0	58.9	63.0	66.3
17.5	20.0	24.0	29.4	35.6	42.1	47.3	51.8	54.4	59.1	63.0	66.0
17.9	18.5	19.8	20.2	22.4	22.9	25.4	30.7	36.1	44.8	52.7	59.6
19.3	20.8	24.6	28.2	33.7	37.7	41.3	45.6	49.0	54.7	60.3	64.2
17.6	18.1	19.7	20.7	22.5	22.9	24.9	30.3	35.6	44.4	52.7	59.4
17.8	18.9	21.9	25.5	30.4	35.3	39.6	43.6	47.4	53.8	59.0	63.6
17.8	18.1	19.5	20.2	22.0	22.4	26.0	29.6	35.8	45.1	52.7	59.2
18.6	19.8	23.0	26.0	30.7	34.5	39.6	43.2	47.8	53.5	59.1	63.1
17.7	18.5	19.7	19.8	20.7	21.4	21.7	27.7	33.8	43.1	51.8	58.6

verage Piezometer Readings, Prototype Feet of Water

=120 C=26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3	T=420 LC=64.7	T=480 LC=68.2	T=540 LC=71.3	T=600 LC=72.8	T=660 LC=74.0
.2	36.8	41.2	48.8	55.9	61.7	65.6	69.1	71.9	73.2	74.0
.8	36.7	41.3	49.1	55.7	61.1	65.6	68.9	71.5	73.1	74.0
.6	40.9	44.5	51.9	57.9	62.9	66.5	69.7	71.9	73.4	74.0
.1	34.9	39.1	48.0	54.8	60.5	65.3	68.8	71.4	73.2	74.0
.8	34.0	38.6	47.9	55.0	60.8	65.8	69.1	71.8	73.2	74.0
.6	39.7	43.6	51.5	57.1	62.1	66.5	69.7	71.9	73.1	74.0
.3	43.4	47.1	53.8	59.1	63.7	67.4	69.8	72.0	73.3	74.0
.0	30.7	35.8	45.4	53.4	59.5	64.5	68.6	71.4	73.3	74.0
.2	26.2	31.0	40.4	48.5	56.5	62.4	67.2	70.7	73.1	74.0
.1	41.7	45.5	52.1	58.1	62.8	66.4	69.9	72.0	73.3	74.0
.0	32.4	37.3	46.1	53.6	59.8	64.8	68.4	71.3	73.2	74.0
.7	32.6	37.3	47.1	54.5	60.6	65.3	68.7	71.5	73.2	74.0
.9	41.9	45.5	52.5	58.1	62.9	66.8	69.3	71.7	73.0	74.0
.7	36.8	41.5	49.4	55.4	60.7	64.8	68.0	71.0	72.9	74.0
.6	38.9	42.7	50.7	56.4	61.9	66.2	69.5	71.8	73.3	74.0
.7	43.0	46.5	53.3	58.6	63.4	66.9	70.2	71.9	73.3	74.0
.4	45.5	48.8	54.8	59.9	64.3	67.8	70.5	72.4	73.4	74.0
.8	46.9	50.2	55.8	60.7	64.6	68.0	70.1	72.1	73.6	74.0
.4	48.9	51.3	56.9	61.3	65.4	68.4	70.8	72.4	73.5	74.0
.0	50.3	52.7	57.8	62.4	65.9	68.8	70.9	72.6	73.5	74.0
.9	50.8	53.5	58.0	62.7	66.2	69.0	71.1	72.6	73.8	74.0
.2	51.1	53.9	58.9	63.2	66.2	68.7	71.1	72.6	73.5	74.0
.7	51.6	54.0	58.9	63.0	66.3	68.7	71.0	72.4	73.8	74.0
.3	51.8	54.4	59.1	63.0	66.0	68.8	70.8	72.1	73.3	74.0
.4	30.7	36.1	44.8	52.7	59.6	64.4	68.5	71.2	73.1	74.0
.3	45.6	49.0	54.7	60.3	64.2	67.6	70.2	72.5	73.5	74.0
.9	30.3	35.6	44.4	52.7	59.4	64.6	68.5	71.5	73.4	74.0
.6	43.6	47.4	53.8	59.0	63.6	67.2	69.8	71.8	73.6	74.0
.0	29.6	35.8	45.1	52.7	59.2	64.7	68.8	71.5	73.2	74.0
.6	43.2	47.8	53.5	59.1	63.1	67.2	69.7	71.7	73.0	74.0
.7	27.7	33.8	43.1	51.8	58.6	63.7	68.2	71.2	73.2	74.0

Table A24 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8
87	26+06.0	-20.1	16.0	17.7	19.1	20.8	24.2	28.1	32.9
88	26+22.4	-20.1	16.0	17.5	18.1	18.3	19.5	20.0	20.6
89	26+13.9	-20.1	16.0	16.0	16.4	19.0	21.3	22.5	29.4
90	26+30.3	-20.1	16.0	16.6	17.7	18.7	21.4	24.9	29.4
91	26+25.7	-20.1	16.0	16.4	17.6	18.7	21.4	25.0	29.5
92	26+43.3	-24.1	16.0	16.9	18.3	19.4	22.1	24.7	27.9
93	26+43.3	-24.1	16.0	17.0	18.5	19.4	22.3	25.1	28.4
94	26+48.3	-24.0	16.0	17.0	18.2	18.6	20.6	22.5	24.7
95	26+48.3	-24.0	16.0	16.7	18.1	18.7	21.1	23.1	26.5
96	26+53.3	-23.1	16.0	16.8	17.7	18.1	19.1	19.8	21.2
97	26+53.3	-23.1	16.0	17.0	17.3	17.9	18.6	18.7	18.9
98	26+53.3	-23.1	16.0	17.3	19.0	20.9	27.0	32.5	39.7
99	26+58.3	-22.7	16.0	16.6	17.6	18.0	19.5	20.8	22.7
100	26+58.3	-22.7	16.0	16.8	17.8	18.6	19.8	21.6	23.8
101	26+58.3	-22.7	16.0	16.4	17.4	17.7	19.5	20.2	22.1
102	26+58.3	-22.7	16.0	17.0	17.8	18.1	19.7	21.4	22.5
103	26+68.3	-22.1	16.0	16.6	17.7	18.9	20.9	23.3	26.3
104	26+68.3	-22.1	16.0	16.7	17.7	18.8	20.8	22.4	25.3
105	26+68.3	-22.1	16.0	16.5	17.5	18.5	20.4	22.5	24.6
106	26+68.3	-22.1	16.0	16.6	17.4	18.2	20.3	22.8	24.8
107	26+78.3	-21.5	16.0	16.8	17.7	18.7	20.7	23.2	26.6
108	26+78.3	-21.5	16.0	16.7	17.6	18.6	20.5	22.8	25.7
109	26+78.3	-21.5	16.0	16.8	17.8	18.6	21.0	22.6	26.0
110	26+78.3	-21.5	16.0	16.7	17.6	18.5	20.8	22.8	25.7
111	26+88.3	-20.9	16.0	16.8	17.6	19.1	21.4	24.5	28.5
112	26+88.3	-20.9	16.0	16.6	17.4	18.5	20.1	22.2	24.6
113	26+88.3	-20.9	16.0	16.6	17.2	18.0	20.0	21.6	23.8
114	26+88.3	-20.9	16.0	17.2	18.1	19.4	22.1	25.2	29.0
115	26+93.3	-20.6	16.0	16.2	17.0	18.4	20.4	24.0	28.4
116	26+93.3	-20.6	16.0	16.5	16.8	17.4	18.3	20.0	21.4
117	26+93.3	-20.6	16.0	16.6	17.0	17.5	18.6	19.2	20.6

							Average Piezometer Readings, Prototype Feet of Water					
5 16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T=105 LC=24.2	T=120 LC=26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T= LC
	19.1	20.8	24.2	28.1	32.9	36.7	40.1	45.5	49.1	55.3	60.3	64
	18.1	18.3	19.5	20.0	20.6	21.6	22.2	28.1	34.1	43.5	51.9	58
	16.4	19.0	21.3	22.5	29.4	33.5	36.9	43.1	46.4	53.5	59.0	63.
	17.7	18.7	21.4	24.9	29.4	33.8	37.6	43.8	47.1	53.6	59.0	63.
	17.6	18.7	21.4	25.0	29.5	33.7	37.7	43.6	47.0	53.7	59.0	63
	18.3	19.4	22.1	24.7	27.9	32.0	35.5	39.9	44.4	51.1	57.3	62.
	18.5	19.4	22.3	25.1	28.4	31.2	36.7	38.6	44.3	50.2	56.6	62.
	18.2	18.6	20.6	22.5	24.7	27.6	30.3	34.3	39.2	47.7	54.5	60.
	18.1	18.7	21.1	23.1	26.5	28.3	30.5	35.4	40.7	48.6	55.4	61.
	17.7	18.1	19.1	19.8	21.2	22.4	24.4	28.5	35.1	48.9	50.6	57.
	17.3	17.9	18.6	18.7	18.9	19.9	20.9	26.2	31.4	42.1	51.1	58.
	19.0	20.9	27.0	32.5	39.7	46.0	51.1	52.8	57.6	62.0	63.2	67.
	17.6	18.0	19.5	20.8	22.7	24.8	26.6	31.4	36.3	45.3	53.3	59.
	17.8	18.6	19.8	21.6	23.8	25.7	28.0	33.1	37.1	46.7	55.3	62.
	17.4	17.7	19.5	20.2	22.1	23.7	25.7	29.9	35.1	43.9	51.6	57.
	17.8	18.1	19.7	21.4	22.5	24.4	26.5	30.7	36.3	45.4	53.2	59.
	17.7	18.9	20.9	23.3	26.3	28.8	32.1	36.7	40.7	49.1	56.1	61.
	17.7	18.8	20.8	22.4	25.3	28.1	30.7	36.0	40.0	48.2	55.5	61.
	17.5	18.5	20.4	22.5	24.6	27.4	29.9	34.8	39.7	48.8	57.4	65.
	17.4	18.2	20.3	22.8	24.8	27.5	30.2	34.5	39.5	48.0	55.3	60.
	17.7	18.7	20.7	23.2	26.6	29.6	32.2	37.1	41.4	49.8	56.1	61.
	17.6	18.6	20.5	22.8	25.7	28.5	31.3	36.6	40.9	49.1	56.0	61.
	17.8	18.6	21.0	22.6	26.0	28.8	31.8	36.4	40.8	48.7	55.7	61.
	17.6	18.5	20.8	22.8	25.7	29.3	32.2	36.5	41.1	49.1	55.6	61.
	17.6	19.1	21.4	24.5	28.5	31.6	34.9	39.9	43.7	51.2	57.4	62.
	17.4	18.5	20.1	22.2	24.6	27.0	29.4	33.9	38.7	47.3	54.4	60.
	17.2	18.0	20.0	21.6	23.8	26.7	29.3	34.2	38.9	47.4	54.4	60.
	18.1	19.4	22.1	25.2	29.0	32.4	36.3	40.9	44.5	51.4	57.1	62.
	17.0	18.4	20.4	24.0	28.4	32.8	36.5	42.2	46.1	52.8	58.4	62.
	16.8	17.4	18.3	20.0	21.4	22.6	25.4	30.1	35.4	45.3	52.7	59.
	17.0	17.5	18.6	19.2	20.6	22.2	24.2	29.7	34.4	44.2	52.1	58.

erage Piezometer Readings, Prototype Feet of Water

120 =26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3	T=420 LC=64.7	T=480 LC=68.2	T=540 LC=71.3	T=600 LC=72.8	T=660 LC=74.0
1	45.5	49.1	55.3	60.3	64.2	67.5	70.3	72.1	73.3	74.0
2	28.1	34.1	43.5	51.9	58.3	64.3	68.2	71.5	73.2	74.0
9	43.1	46.4	53.5	59.0	63.4	66.9	68.4	71.0	72.4	74.0
6	43.8	47.1	53.6	59.0	63.5	67.1	69.8	72.0	73.4	74.0
7	43.6	47.0	53.7	59.0	63.2	67.0	69.2	71.8	73.0	74.0
5	39.9	44.4	51.1	57.3	62.0	66.5	69.3	71.8	73.3	74.0
7	38.6	44.3	50.2	56.6	62.7	66.6	69.3	72.0	73.1	74.0
3	34.3	39.2	47.7	54.5	60.3	65.6	68.9	71.7	73.5	74.0
5	35.4	40.7	48.6	55.4	61.0	65.2	69.1	71.4	73.3	74.0
4	28.5	35.1	48.9	50.6	57.5	63.1	67.6	70.8	72.9	74.0
9	26.2	31.4	42.1	51.1	58.3	63.6	68.1	71.1	73.0	74.0
1	52.8	57.6	62.0	63.2	67.0	69.5	70.8	72.2	73.3	74.0
6	31.4	36.3	45.3	53.3	59.6	64.5	68.6	71.2	72.8	74.0
0	33.1	37.1	46.7	55.3	62.3	67.2	69.8	71.9	73.4	74.0
7	29.9	35.1	43.9	51.6	57.2	61.5	68.5	71.3	73.2	74.0
5	30.7	36.3	45.4	53.2	59.2	64.5	68.3	71.3	73.1	74.0
1	36.7	40.7	49.1	56.1	61.3	65.9	69.4	71.8	73.2	74.0
7	36.0	40.0	48.2	55.5	61.1	65.5	69.1	71.7	73.3	74.0
9	34.8	39.7	48.8	57.4	65.1	70.0	72.0	72.8	73.5	74.0
2	34.5	39.5	48.0	55.3	60.8	65.6	69.1	71.7	73.4	74.0
2	37.1	41.4	49.8	56.1	61.5	66.1	69.2	72.0	73.4	74.0
3	36.6	40.9	49.1	56.0	61.5	65.8	69.4	71.7	73.6	74.0
3	36.4	40.8	48.7	55.7	61.0	65.8	69.2	71.8	73.4	74.0
2	36.5	41.1	49.1	55.6	61.0	65.9	69.1	72.0	73.2	74.0
9	39.9	43.7	51.2	57.4	62.3	66.4	69.5	72.0	73.1	74.0
4	33.9	38.7	47.3	54.4	60.2	64.8	68.6	71.4	72.9	74.0
3	34.2	38.9	47.4	54.4	60.4	65.2	68.6	71.4	73.4	74.0
3	40.9	44.5	51.4	57.1	62.9	66.6	69.8	71.9	73.4	74.0
5	42.2	46.1	52.8	58.4	62.5	66.8	69.6	71.7	73.3	74.0
4	30.1	35.4	45.3	52.7	59.2	64.8	68.4	71.6	73.2	74.0
2	29.7	34.4	44.2	52.1	58.7	64.5	68.3	71.1	73.1	74.0

Table A24 (Concluded)

Piezometer Location										
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T
118	26+93.3	-20.6	16.0	16.8	17.8	19.5	22.4	25.7	30.4	3
119	26+95.3	-20.6	16.0	16.3	17.2	17.8	20.0	23.2	27.5	3
120	26+95.3	-20.6	16.0	16.2	17.1	17.6	18.8	20.2	22.0	2
121	26+95.3	-20.6	16.0	16.3	16.8	17.1	18.4	19.7	21.2	2
122	26+95.3	-20.6	16.0	16.6	17.4	18.9	22.2	25.1	29.7	3
123	27+08.1	-24.25	16.0	16.4	17.0	18.2	20.1	22.5	25.5	2
123A	27+08.1	-24.25	16.0	16.7	17.7	18.8	21.2	24.1	27.6	3
124	27+18.1	-24.25	16.0	16.5	17.8	19.0	22.0	25.4	29.0	3
125	27+28.1	-24.25	16.0	16.1	17.2	18.6	21.6	25.0	29.4	3
126	27+38.1	-24.25	16.0	16.2	17.7	19.5	22.8	27.1	32.1	3
127	27+48.1	-24.25	16.0	16.1	17.6	19.6	23.1	27.3	32.8	3
128	27+58.1	-24.25	16.0	16.1	17.6	19.2	23.4	28.0	33.6	3
129	27+68.1	-24.25	16.0	16.1	17.4	19.6	23.6	28.3	34.3	4
130	27+78.1	-24.25	16.0	16.1	17.6	19.8	23.9	28.8	34.6	4
131	27+88.1	-24.25	16.0	15.9	16.7	19.1	22.7	28.1	33.8	4
131A	27+88.1	-24.25	16.0	15.9	17.5	19.6	23.5	28.4	34.1	4
132	26+14.0	-24.25	16.0	17.8	20.2	22.6	28.1	33.3	39.8	4
133	26+22.5	-24.25	16.0	18.3	20.4	22.5	28.2	33.1	38.3	4
134	26+70.0	-17.0	16.0	18.3	20.5	22.8	28.5	33.8	39.8	4
134A	26+70.0	-17.0	16.0	19.2	20.7	22.6	27.7	32.7	39.2	4
135	27+85.0	-17.0	16.0	18.5	20.0	22.8	27.3	33.0	39.0	4
135A	27+85.0	-17.0	16.0	18.6	20.1	22.3	27.1	32.1	38.4	4
136	28+60.0	-18.0	16.0	18.4	20.0	22.8	27.9	33.3	39.9	4
136A	28+60.0	-18.0	16.0	19.3	20.3	22.8	27.5	32.5	39.0	4
137	28+72.0	-18.0	16.0	18.6	19.8	22.3	27.1	31.7	37.4	4
137A	28+72.0	-18.0	16.0	19.2	20.3	22.8	27.6	32.7	39.1	4
161	22+57.6	-24.0	16.0	14.5	12.5	9.3	11.9	16.8	25.9	4
162	22+57.6	-26.4	16.0	14.1	12.6	8.9	11.2	19.1	28.7	4
163	22+60.6	-24.0	16.0	13.1	12.6	11.9	14.2	17.5	26.3	4
164	22+60.6	-26.4	16.0	13.9	13.1	10.0	14.1	19.1	30.4	4

Average Piezometer Readings, Prototype Feet of Water												
=15 C=16.0	T=30 LC=16.4	T=45 LC=17.3	T=60 LC=18.2	T=75 LC=19.9	T=90 LC=21.8	T=105 LC=24.2	T=120 LC=26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59
6.8	17.8	19.5	22.4	25.7	30.4	33.6	37.7	42.8	46.7	52.8	58.4	63.0
6.3	17.2	17.8	20.0	23.2	27.5	31.9	36.0	41.4	45.1	51.7	57.8	62.5
6.2	17.1	17.6	18.8	20.2	22.0	24.0	26.2	31.6	36.7	45.8	53.5	59.9
6.3	16.8	17.1	18.4	19.7	21.2	23.1	25.5	30.8	35.5	44.8	52.8	59.0
6.6	17.4	18.9	22.2	25.1	29.7	33.4	36.9	42.0	45.8	52.4	58.1	63.1
6.4	17.0	18.2	20.1	22.5	25.5	29.3	32.2	36.4	40.2	47.3	53.7	59.2
6.7	17.7	18.8	21.2	24.1	27.6	31.5	34.4	39.8	43.6	50.8	57.0	62.3
6.5	17.8	19.0	22.0	25.4	29.0	34.1	37.7	41.6	45.5	52.4	58.4	63.2
6.1	17.2	18.6	21.6	25.0	29.4	33.3	37.1	44.3	48.0	54.1	59.5	63.8
6.2	17.7	19.5	22.8	27.1	32.1	37.5	42.4	46.9	51.6	58.6	65.6	67.3
6.1	17.6	19.6	23.1	27.3	32.8	37.9	42.8	47.0	50.1	56.0	60.7	64.6
6.1	17.6	19.2	23.4	28.0	33.6	39.2	44.1	48.1	51.4	56.4	61.4	65.2
6.1	17.4	19.6	23.6	28.3	34.3	40.1	45.0	49.1	52.6	57.2	61.6	65.3
6.1	17.6	19.8	23.9	28.8	34.6	41.0	45.5	49.9	53.3	57.8	62.1	65.5
6.9	16.7	19.1	22.7	28.1	33.8	40.3	46.1	50.5	53.5	58.3	62.4	65.5
6.9	17.5	19.6	23.5	28.4	34.1	40.0	45.3	50.7	53.3	58.4	62.5	65.9
7.8	20.2	22.6	28.1	33.3	39.8	44.9	50.7	53.5	56.5	61.1	64.4	67.2
7.3	20.4	22.5	28.2	33.1	38.3	44.1	49.5	52.7	55.6	60.5	63.2	66.8
7.3	20.5	22.8	28.5	33.8	39.8	45.5	51.7	53.8	56.7	60.9	64.3	67.5
7.2	20.7	22.6	27.7	32.7	39.2	44.8	49.8	54.1	56.4	60.6	64.6	67.5
7.5	20.0	22.8	27.3	33.0	39.0	44.6	49.9	52.6	55.6	59.9	63.5	66.5
7.6	20.1	22.3	27.1	32.1	38.4	43.9	49.4	53.8	56.4	60.4	64.2	67.1
7.4	20.0	22.8	27.9	33.3	39.9	45.7	50.9	53.9	56.2	60.5	64.1	67.1
7.3	20.3	22.8	27.5	32.5	39.0	44.6	50.0	53.9	56.5	60.6	64.3	67.1
7.6	19.8	22.3	27.1	31.7	37.4	43.0	47.6	51.5	54.4	59.1	63.4	66.4
7.2	20.3	22.8	27.6	32.7	39.1	44.6	49.9	53.9	56.3	60.5	64.2	67.4
7.5	12.5	9.3	11.9	16.8	25.9	42.9	52.0	54.6	57.0	61.0	64.5	67.7
7.1	12.6	8.9	11.2	19.1	28.7	44.2	52.3	54.8	57.3	61.3	64.7	67.7
7.1	12.6	11.9	14.2	17.5	26.3	44.1	52.6	55.3	57.1	61.3	64.9	67.6
7.9	13.1	10.0	14.1	19.1	30.4	45.2	52.9	55.2	57.8	61.6	64.9	67.5

erage Piezometer Readings, Prototype Feet of Water

120 =26.8	T=150 LC=31.9	T=180 LC=36.8	T=240 LC=45.5	T=300 LC=53.4	T=360 LC=59.3	T=420 LC=64.7	T=480 LC=68.2	T=540 LC=71.3	T=600 LC=72.8	T=660 LC=74.0
7	42.8	46.7	52.8	58.4	63.0	66.9	70.1	71.7	73.4	74.0
0	41.4	45.1	51.7	57.8	62.5	66.3	69.5	71.9	73.3	74.0
2	31.6	36.7	45.8	53.5	59.9	64.7	68.5	71.3	73.1	74.0
5	30.8	35.5	44.8	52.8	59.0	64.3	68.1	71.0	72.9	74.0
9	42.0	45.8	52.4	58.1	63.1	67.2	69.9	72.1	73.9	74.0
2	36.4	40.2	47.3	53.7	59.2	64.1	67.7	70.6	72.8	74.0
4	39.8	43.6	50.8	57.0	62.3	66.4	69.4	71.6	73.1	74.0
7	41.6	45.5	52.4	58.4	63.2	67.0	70.2	72.2	73.7	74.0
1	44.3	48.0	54.1	59.5	63.8	67.6	70.4	72.5	73.6	74.0
4	46.9	51.6	58.6	65.6	67.3	68.1	69.4	71.2	72.8	74.0
8	47.0	50.1	56.0	60.7	64.6	67.7	70.5	72.5	73.4	74.0
1	48.1	51.4	56.4	61.4	65.2	68.1	70.4	72.4	73.5	74.0
0	49.1	52.6	57.2	61.6	65.3	68.3	70.5	72.2	73.1	74.0
5	49.9	53.3	57.8	62.1	65.5	68.5	70.7	72.2	73.3	74.0
1	50.5	53.5	58.3	62.4	65.5	68.7	70.7	72.6	73.3	74.0
3	50.7	53.3	58.4	62.5	65.9	68.5	70.7	72.4	73.3	74.0
7	53.5	56.5	61.1	64.4	67.2	69.7	71.5	72.7	73.8	74.0
5	52.7	55.6	60.5	63.2	66.8	69.2	71.2	72.2	73.1	74.0
7	53.8	56.7	60.9	64.3	67.5	70.1	71.7	73.1	73.8	74.0
3	54.1	56.4	60.6	64.6	67.5	69.8	71.7	73.0	73.7	74.0
9	52.6	55.6	59.9	63.5	66.5	69.3	71.1	72.6	73.7	74.0
4	53.8	56.4	60.4	64.2	67.1	69.6	71.4	72.8	73.5	74.0
9	53.9	56.2	60.5	64.1	67.1	69.7	71.4	72.8	73.7	74.0
0	53.9	56.5	60.6	64.3	67.1	69.6	71.5	72.9	73.8	74.0
6	51.5	54.4	59.1	63.4	66.4	69.0	71.1	72.5	73.7	74.0
9	53.9	56.3	60.5	64.2	67.4	69.8	71.4	72.9	73.5	74.0
0	54.6	57.0	61.0	64.5	67.7	69.7	71.2	72.9	73.5	74.0
8	54.8	57.3	61.3	64.7	67.7	69.8	71.5	72.8	73.5	74.0
6	55.3	57.1	61.3	64.9	67.6	69.8	71.5	72.9	73.4	74.0
9	55.2	57.8	61.6	64.9	67.5	69.6	71.6	72.9	73.5	74.0

Table A25
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upp

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	
1	21+17.8	-16.0	74.0	74.2	74.0	73.8	73.8	73.6	73.7	
2	21+25.2	-16.0	74.0	73.4	73.7	73.7	73.7	73.3	73.3	
3	21+22.9	-16.0	74.0	74.3	74.0	73.9	73.9	73.8	73.7	
4	21+29.5	-16.0	74.0	74.0	73.9	73.9	73.9	73.3	73.1	
5	21+39.4	-16.0	74.0	74.1	74.1	73.8	73.8	73.3	73.2	
6	21+36.2	-16.0	74.0	73.9	73.5	73.9	73.6	73.5	73.2	
7	21+42.5	-16.0	74.0	74.0	73.8	73.4	73.5	73.3	72.7	
8	21+53.8	-16.0	74.0	74.1	73.9	74.0	73.7	73.3	73.1	
9	21+49.7	-16.0	74.0	73.7	73.7	73.4	73.4	73.0	72.7	
10	21+55.9	-16.0	74.0	73.6	73.4	73.5	72.9	72.8	72.1	
11	21+70.0	-13.6	74.0	73.5	73.4	73.1	72.6	71.5	70.7	
12	21+85.0	-17.0	74.0	74.1	73.6	73.1	72.5	71.9	70.7	
13	21+91.0	-17.0	74.0	73.8	73.5	73.0	72.4	72.0	70.8	
13A	21+91.0	-17.0	74.0	74.0	74.0	74.0	73.6	73.9	73.6	
14	22+05.0	-17.0	74.0	73.5	73.3	72.8	72.5	71.5	70.4	
14A	22+05.0	-17.0	74.0	73.9	73.4	73.1	72.6	72.0	70.8	
15	22+52.1	-17.0	16.0	18.1	14.5	12.0	9.6	8.0	8.6	
15A	22+52.1	-17.0	16.0	17.0	15.7	13.0	11.2	9.0	8.0	
16	21+53.5	-17.0	16.0	17.2	14.1	10.8	9.9	7.6	6.0	
17	22+59.1	-16.9	16.0	18.4	14.3	11.5	10.1	7.3	8.7	
18	22+62.6	-16.8	16.0	18.2	14.9	12.0	10.5	8.4	8.8	
19	22+69.1	-16.6	16.0	19.1	17.0	15.2	15.2	15.1	15.2	
20	22+76.6	-16.5	16.0	18.8	18.2	15.5	16.8	15.5	17.3	
21	22+90.6	-16.5	16.0	19.0	19.6	18.5	20.2	21.5	20.8	
21A	22+90.6	-16.5	16.0	17.2	19.0	18.5	20.7	20.0	21.3	
22	23+50.0	-16.5	16.0	14.1	15.2	15.0	17.1	19.3	22.2	
23	24+50.0	-16.5	16.0	15.9	15.8	15.8	15.7	16.0	15.7	
24	25+50.0	-16.5	16.0	17.5	18.5	18.4	20.0	22.4	24.1	
24A	25+50.0	-16.5	16.0	16.5	18.0	17.4	19.6	20.8	23.0	
25	26+04.3	-24.25	16.0	16.5	17.0	17.6	18.5	20.0	21.7	

eading During Filling Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58.0-Ft Lift, Valve Speed 4 Min

Average Piezometer Readings, Prototype Feet of Water

0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T=105 LC=20.1	T=120 LC=21.1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5
	74.0	73.8	73.8	73.6	73.7	73.4	73.0	72.9	72.6	72.2	72.9	73.3
	73.7	73.7	73.7	73.3	73.3	73.1	73.1	72.6	72.3	72.2	72.9	72.9
	74.0	73.9	73.9	73.8	73.7	73.3	73.5	73.1	72.8	72.7	73.0	73.0
	73.9	73.9	73.9	73.3	73.1	72.8	72.8	72.0	71.0	70.4	71.2	72.1
	74.1	73.8	73.8	73.3	73.2	73.3	73.0	72.4	72.4	71.8	72.0	72.6
	73.5	73.9	73.6	73.5	73.2	73.3	72.8	72.3	72.0	71.6	72.0	72.4
	73.8	73.4	73.5	73.3	72.7	72.2	72.2	70.6	69.7	69.1	70.2	71.0
	73.9	74.0	73.7	73.3	73.1	73.0	72.8	72.0	71.0	70.7	71.5	72.1
	73.7	73.4	73.4	73.0	72.7	72.4	72.0	71.2	70.6	70.0	70.4	71.6
	73.4	73.5	72.9	72.8	72.1	71.9	71.3	69.8	68.9	67.4	68.7	70.0
	73.4	73.1	72.6	71.5	70.7	69.2	68.1	64.5	61.5	58.9	62.4	65.5
	73.6	73.1	72.5	71.9	70.7	69.3	67.6	64.1	60.5	58.2	62.2	65.3
	73.5	73.0	72.4	72.0	70.8	69.4	68.0	64.8	61.5	59.5	62.7	65.9
	74.0	74.0	73.6	73.9	73.6	72.7	72.4	71.3	69.6	63.0	68.7	71.0
	73.3	72.8	72.5	71.5	70.4	68.8	67.4	64.0	60.3	57.8	61.4	65.1
	73.4	73.1	72.6	72.0	70.8	69.7	68.2	64.7	61.0	57.2	60.8	64.1
	14.5	12.0	9.6	8.0	8.6	9.1	10.2	15.1	28.4	56.0	60.6	64.4
	15.7	13.0	11.2	9.0	8.0	8.1	9.4	12.3	24.6	55.1	59.8	63.8
	14.1	10.8	9.9	7.6	6.0	7.7	9.3	14.2	24.7	48.7	53.9	59.3
	14.3	11.5	10.1	7.3	8.7	10.0	11.3	15.4	27.7	57.3	61.6	65.1
	14.9	12.0	10.5	8.4	8.8	7.6	11.4	15.2	28.7	57.4	62.0	65.1
	17.0	15.2	15.2	15.1	15.2	17.1	18.2	26.2	42.1	56.2	61.0	64.4
	18.2	15.5	16.8	15.5	17.3	19.8	18.4	22.4	43.4	56.1	60.7	64.0
	19.6	18.5	20.2	21.5	20.8	21.8	25.3	35.2	43.9	55.9	60.6	64.4
	19.0	18.5	20.7	20.0	21.3	23.3	29.6	32.2	42.6	55.0	60.0	64.0
	15.2	15.0	17.1	19.3	22.2	25.3	27.6	36.3	43.1	53.7	59.2	63.3
	15.8	15.8	15.7	16.0	15.7	16.3	16.6	17.8	20.8	38.3	50.4	56.9
	18.5	18.4	20.0	22.4	24.1	26.6	31.1	35.8	40.6	52.0	57.8	62.2
	18.0	17.4	19.6	20.8	23.0	24.8	27.4	33.4	40.2	51.5	57.6	61.7
	17.0	17.6	18.5	20.0	21.7	24.2	27.4	34.6	42.2	54.5	59.7	63.6

0, Lower Pool El 16.0, 58.0-Ft Lift, Valve Speed 4 Min (Constant Speed Gate), Normal Valve Operation

Piezometer Readings, Prototype Feet of Water

.1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5	T=420 LC=59.9	T=480 LC=65.0	T=540 LC=68.4	T=600 LC=71.5	T=660 LC=73.0	T=720 LC=74.0
	72.9	72.6	72.2	72.9	73.3	73.4	73.6	73.5	73.8	74.2	74.0
	72.6	72.3	72.2	72.9	72.9	73.1	73.2	73.8	73.6	73.7	74.0
	73.1	72.8	72.7	73.0	73.0	73.4	73.5	73.8	74.0	74.2	74.0
	72.0	71.0	70.4	71.2	72.1	72.7	73.0	73.6	73.8	73.9	74.0
	72.4	72.4	71.8	72.0	72.6	73.3	73.6	73.6	74.3	73.9	74.0
	72.3	72.0	71.6	72.0	72.4	72.9	73.3	73.5	73.6	73.9	74.0
	70.6	69.7	69.1	70.2	71.0	71.9	72.9	73.1	73.5	73.7	74.0
	72.0	71.0	70.7	71.5	72.1	72.9	73.3	73.8	73.9	74.3	74.0
	71.2	70.6	70.0	70.4	71.6	72.4	73.0	73.2	73.5	73.7	74.0
	69.8	68.9	67.4	68.7	70.0	71.1	72.1	72.6	73.2	73.6	74.0
	64.5	61.5	58.9	62.4	65.5	68.0	70.2	71.9	72.9	73.6	74.0
	64.1	60.5	58.2	62.2	65.3	68.1	70.2	71.8	73.1	73.4	74.0
	64.8	61.5	59.5	62.7	65.9	68.2	70.4	72.0	73.0	73.7	74.0
	71.3	69.6	63.0	68.7	71.0	71.8	72.2	73.8	74.4	73.8	74.0
	64.0	60.3	57.8	61.4	65.1	67.8	70.0	72.0	72.8	73.9	74.0
	64.7	61.0	57.2	60.8	64.1	67.3	69.5	71.5	72.6	73.5	74.0
	15.1	28.4	56.0	60.6	64.4	67.2	69.7	71.5	72.9	73.7	74.0
	12.3	24.6	55.1	59.8	63.8	66.8	69.1	71.2	72.6	73.5	74.0
	14.2	24.7	48.7	53.9	59.3	64.2	68.1	71.0	72.4	73.2	74.0
	15.4	27.7	57.3	61.6	65.1	67.6	70.0	71.4	72.8	73.5	74.0
	15.2	28.7	57.4	62.0	65.1	67.8	69.8	71.7	72.7	73.6	74.0
	26.2	42.1	56.2	61.0	64.4	67.6	69.6	71.3	72.7	73.6	74.0
	22.4	43.4	56.1	60.7	64.0	67.0	69.4	71.1	72.4	72.9	74.0
	35.2	43.9	55.9	60.6	64.4	67.1	69.2	71.4	72.7	73.5	74.0
	32.2	42.6	55.0	60.0	64.0	67.0	69.6	71.4	72.7	73.4	74.0
	36.3	43.1	53.7	59.2	63.3	66.9	69.4	71.2	72.6	73.6	74.0
	17.8	20.8	38.3	50.4	56.9	62.1	65.8	69.0	71.5	72.8	74.0
	35.8	40.6	52.0	57.8	62.2	65.9	68.8	70.8	72.6	73.5	74.0
	33.4	40.2	51.5	57.6	61.7	65.4	68.3	70.8	72.3	73.5	74.0
	34.6	42.2	54.5	59.7	63.6	66.4	69.0	70.9	72.6	73.5	74.0

Table A25 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7
26	25+95.9	-24.25	16.0	16.6	17.7	17.8	18.9	20.5	21.3
27	26+09.2	-17.0	16.0	16.1	16.6	16.6	17.5	18.5	19.7
27A	26+09.2	-17.0	16.0	16.1	17.8	17.3	19.0	20.0	21.9
28	26+01.3	-20.1	16.0	16.4	17.0	16.8	17.8	18.5	18.8
29	26+12.4	-20.1	16.0	16.1	17.3	17.9	19.3	20.6	22.1
30	25+96.0	-20.1	16.0	15.8	17.1	17.0	17.7	18.5	19.1
31	26+04.5	-20.1	16.0	16.5	17.3	17.6	18.9	20.3	22.1
32	25+88.1	-20.1	16.0	16.2	16.2	16.1	16.5	16.7	17.1
33	25+92.6	-20.1	16.0	16.3	17.7	17.9	19.3	20.6	22.5
34	26+01.3	-28.4	16.0	16.0	16.8	16.7	17.4	17.7	18.5
35	26+12.4	-28.4	16.0	16.1	16.9	17.1	17.9	18.9	20.4
36	25+96.0	-28.4	16.0	15.9	16.9	16.9	17.4	18.0	18.9
37	26+04.1	-28.4	16.0	16.5	17.5	18.1	19.0	19.7	21.9
38	25+88.1	-28.4	16.0	16.1	16.8	16.8	17.9	18.3	19.0
39	25+92.6	-28.4	16.0	16.4	17.3	17.6	18.6	19.6	21.2
40	25+75.0	-24.1	16.0	16.1	16.4	16.5	17.2	17.8	19.1
42	25+70.0	-24.0	16.0	16.3	16.7	17.1	17.5	18.5	19.4
43	25+70.0	-24.0	16.0	15.7	16.8	16.9	17.9	18.5	19.6
44	25+65.0	-23.1	16.0	16.1	16.9	16.7	17.9	18.3	19.0
45	25+65.0	-23.1	16.0	15.5	16.0	16.1	16.3	16.5	16.8
46	25+65.0	-23.1	16.0	16.1	17.1	17.7	19.1	20.8	23.7
47	25+60.0	-22.7	16.0	15.9	16.6	17.0	17.5	18.1	19.4
48	25+60.0	-22.7	16.0	16.1	16.7	17.0	17.9	18.6	19.7
49	25+60.0	-22.7	16.0	16.4	17.0	17.4	17.9	18.7	19.8
50	25+60.0	-22.7	16.0	16.2	16.7	17.0	17.7	18.6	19.8
51	25+50.0	-22.1	16.0	16.1	16.8	17.1	17.8	19.0	19.8
52	25+50.0	-22.1	16.0	16.1	16.7	17.0	17.9	18.9	20.2
53	25+50.0	-22.1	16.0	16.2	17.0	17.0	18.1	18.9	20.3
54	25+50.0	-22.1	16.0	15.9	16.7	17.0	17.8	18.7	19.9
55	25+40.0	-21.5	16.0	16.3	16.7	17.3	18.0	18.8	20.4
56	25+40.0	-21.5	16.0	16.0	16.6	16.7	17.4	18.4	19.6

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T=105 LC=20.1	T=120 LC=21.1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5	T=4 LC=
17.7	17.8	18.9	20.5	21.3	22.7	25.4	30.2	35.3	45.7	52.3	58.4	63.2
16.6	16.6	17.5	18.5	19.7	21.3	23.9	29.2	35.5	46.4	53.1	58.4	62.8
17.8	17.3	19.0	20.0	21.9	23.8	26.3	32.2	37.8	48.7	55.0	60.1	64.5
17.0	16.8	17.8	18.5	18.8	19.9	21.1	23.7	27.2	36.9	47.9	56.8	63.0
17.3	17.9	19.3	20.6	22.1	24.3	27.1	32.8	39.3	50.0	55.7	60.8	64.8
17.1	17.0	17.7	18.5	19.1	20.2	21.8	24.2	27.6	34.9	42.0	54.6	62.9
17.3	17.6	18.9	20.3	22.1	24.3	26.7	32.3	39.0	49.6	55.6	60.7	64.6
16.2	16.1	16.5	16.7	17.1	17.6	18.4	20.3	22.6	29.6	40.4	48.9	56.1
17.7	17.9	19.3	20.6	22.5	24.5	27.3	33.3	39.3	51.7	59.9	65.6	65.8
16.8	16.7	17.4	17.7	18.5	19.4	20.4	22.8	25.6	33.5	43.5	51.9	58.6
16.9	17.1	17.9	18.9	20.4	22.2	24.4	30.0	35.9	48.2	54.7	60.0	64.1
16.9	16.9	17.4	18.0	18.9	20.0	21.0	23.6	26.9	34.8	43.8	52.0	58.4
17.5	18.1	19.0	19.7	21.9	23.8	26.6	32.4	38.6	49.4	55.9	60.6	64.4
16.8	16.8	17.9	18.3	19.0	20.4	21.8	24.2	27.6	35.1	43.8	53.0	59.2
17.3	17.6	18.6	19.6	21.2	23.2	25.7	31.1	37.0	48.2	54.2	59.6	63.8
16.4	16.5	17.2	17.8	19.1	20.5	22.1	26.6	31.8	41.7	49.7	56.1	61.3
16.7	17.1	17.5	18.5	19.4	20.7	22.3	25.8	29.7	38.9	47.4	54.4	60.3
16.8	16.9	17.9	18.5	19.6	21.0	22.3	25.8	30.2	39.4	47.0	55.0	60.6
16.9	16.7	17.9	18.3	19.0	19.8	21.0	23.7	27.0	34.9	44.5	52.5	59.3
16.0	16.1	16.3	16.5	16.8	17.2	17.7	19.3	21.3	26.5	35.4	44.2	52.5
17.1	17.7	19.1	20.8	23.7	26.3	30.2	37.5	44.0	58.4	60.7	67.2	66.0
16.6	17.0	17.5	18.1	19.4	20.6	22.0	25.1	28.9	37.6	46.6	54.1	59.9
16.7	17.0	17.9	18.6	19.7	20.9	22.1	25.7	28.7	38.1	47.0	54.7	60.3
17.0	17.4	17.9	18.7	19.8	20.6	22.3	25.3	28.7	37.0	45.8	53.5	59.6
16.7	17.0	17.7	18.6	19.8	20.5	21.8	24.7	27.6	36.6	45.8	54.4	59.8
16.8	17.1	17.8	19.0	19.8	21.0	22.1	25.7	30.6	41.0	48.7	54.0	59.9
16.7	17.0	17.9	18.9	20.2	21.4	23.2	26.8	32.0	41.7	49.9	56.3	60.9
17.0	17.0	18.1	18.9	20.3	21.6	23.3	26.5	30.4	39.8	48.5	55.3	61.0
16.7	17.0	17.8	18.7	19.9	21.3	22.9	27.0	30.7	39.8	48.7	55.6	61.2
16.7	17.3	18.0	18.8	20.4	21.6	23.6	28.3	33.3	43.2	50.8	56.8	61.8
16.6	16.7	17.4	18.4	19.6	20.8	22.4	25.9	30.5	40.2	48.7	55.2	61.0

Piezometer Readings, Prototype Feet of Water

T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5	T=420 LC=59.9	T=480 LC=65.0	T=540 LC=68.4	T=600 LC=71.5	T=660 LC=73.0	T=720 LC=74.0
30.2	35.3	45.7	52.3	58.4	63.2	67.1	69.9	72.0	73.4	74.0
29.2	35.5	46.4	53.1	58.4	62.8	66.4	69.3	71.6	73.0	74.0
32.2	37.8	48.7	55.0	60.1	64.5	67.7	70.4	72.4	73.3	74.0
23.7	27.2	36.9	47.9	56.8	63.0	67.3	70.3	71.8	73.0	74.0
32.8	39.3	50.0	55.7	60.8	64.8	68.1	70.7	72.4	73.3	74.0
24.2	27.6	34.9	42.0	54.6	62.9	66.1	69.7	71.1	72.5	74.0
32.3	39.0	49.6	55.6	60.7	64.6	67.9	70.7	72.3	73.5	74.0
20.3	22.6	29.6	40.4	48.9	56.1	62.3	67.0	70.3	72.8	74.0
33.3	39.3	51.7	59.9	65.6	65.8	67.3	68.9	71.0	72.8	74.0
22.8	25.6	33.5	43.5	51.9	58.6	63.9	67.8	71.0	72.9	74.0
30.0	35.9	48.2	54.7	60.0	64.1	67.6	70.5	72.1	73.4	74.0
23.6	26.9	34.8	43.8	52.0	58.4	63.9	67.9	71.0	73.0	74.0
32.4	38.6	49.4	55.9	60.6	64.4	68.0	70.5	72.2	73.3	74.0
24.2	27.6	35.1	43.8	53.0	59.2	64.6	68.5	71.6	73.2	74.0
31.1	37.0	48.2	54.2	59.6	63.8	67.5	70.0	72.1	73.3	74.0
26.6	31.8	41.7	49.7	56.1	61.3	65.5	68.9	71.7	73.2	74.0
25.8	29.7	38.9	47.4	54.4	60.3	65.0	68.7	71.4	73.1	74.0
25.8	30.2	39.4	47.0	55.0	60.6	65.4	69.2	71.8	73.0	74.0
23.7	27.0	34.9	44.5	52.5	59.3	64.3	68.5	71.3	73.4	74.0
19.3	21.3	26.5	35.4	44.2	52.5	59.5	64.7	69.2	72.1	74.0
37.5	44.0	58.4	60.7	67.2	66.0	70.2	71.3	72.6	73.7	74.0
25.1	28.9	37.6	46.6	54.1	59.9	65.0	68.7	71.3	73.0	74.0
25.7	28.7	38.1	47.0	54.7	60.3	65.0	69.1	71.4	73.2	74.0
25.3	28.7	37.0	45.8	53.5	59.6	64.4	68.4	71.3	73.1	74.0
24.7	27.6	36.6	45.8	54.4	59.8	62.5	68.1	71.0	73.0	74.0
25.7	30.6	41.0	48.7	54.0	59.9	65.0	68.8	71.5	73.1	74.0
26.8	32.0	41.7	49.9	56.3	60.9	65.9	69.8	71.7	73.1	74.0
26.5	30.4	39.8	48.5	55.3	61.0	65.9	69.4	71.9	73.5	74.0
27.0	30.7	39.8	48.7	55.6	61.2	65.9	69.3	71.9	73.5	74.0
28.3	33.3	43.2	50.8	56.8	61.8	66.3	69.4	71.8	73.0	74.0
25.9	30.5	40.2	48.7	55.2	61.0	65.6	69.5	72.0	73.4	74.0

Table A25 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	
57	25+40.0	-21.5	16.0	15.9	16.8	17.2	18.3	18.9	19.9	2
58	25+40.0	-21.5	16.0	16.1	16.9	17.1	17.6	18.7	19.5	2
59	25+30.0	-20.9	16.0	16.3	16.9	17.0	17.9	19.2	20.5	2
60	25+30.0	-20.9	16.0	16.2	16.5	16.9	17.6	18.5	19.6	2
61	25+30.0	-20.9	16.0	16.3	16.7	16.9	17.3	18.1	19.2	2
62	25+30.0	-20.9	16.0	16.1	16.9	17.1	18.1	19.0	20.4	2
63	25+25.0	-20.6	16.0	16.3	16.6	16.8	18.1	19.2	20.6	2
64	25+25.0	-20.6	16.0	16.2	16.6	16.6	17.2	17.7	18.6	1
65	25+25.0	-20.6	16.0	16.1	16.5	16.7	16.8	17.6	18.0	
66	25+25.0	-20.6	16.0	15.7	15.9	15.9	16.3	17.1	17.5	1
68	25+23.0	-20.6	16.0	16.1	16.3	16.6	17.6	17.7	18.8	1
69	25+23.0	-20.6	16.0	16.1	16.3	16.7	17.4	18.2	19.0	2
70	25+23.0	-20.6	16.0	16.0	16.9	17.0	17.8	19.1	20.6	2
71	25+10.2	-24.25	16.0	16.3	16.6	16.9	17.5	18.5	19.5	2
71A	25+10.2	-24.25	16.0	16.1	16.5	16.6	17.8	18.7	20.1	2
72	25+00.2	-24.25	16.0	16.0	16.7	17.2	18.1	18.9	21.0	2
73	24+90.2	-24.25	16.0	16.3	16.5	17.3	18.2	19.4	21.0	2
74	24+80.2	-24.25	16.0	15.9	16.3	17.2	17.8	19.6	21.3	2
75	24+70.2	-24.25	16.0	16.2	16.7	17.4	18.3	19.8	21.3	2
76	24+60.2	-24.25	16.0	16.2	16.3	16.9	18.0	19.0	20.8	2
77	24+50.2	-24.25	16.0	16.2	16.6	17.1	18.4	19.9	21.7	2
78	24+40.2	-24.25	16.0	16.1	16.2	17.1	18.2	19.7	21.8	2
79	24+30.2	-24.25	16.0	16.1	16.4	17.2	18.4	19.9	21.7	2
79A	24+30.2	-24.25	16.0	16.1	16.3	16.8	18.2	19.8	21.6	2
80	26+17.0	-28.4	16.0	16.5	17.2	16.9	17.6	18.3	19.0	2
81	26+06.0	-28.4	16.0	16.5	17.4	17.5	18.8	19.7	21.6	2
82	26+22.4	-28.4	16.0	16.1	16.8	16.9	17.4	17.9	18.6	1
83	26+13.9	-28.4	16.0	16.1	17.0	17.1	18.3	19.5	20.9	2
84	26+30.3	-28.4	16.0	16.0	16.9	16.7	17.2	17.6	18.7	2
85	26+25.7	-28.4	16.0	16.5	17.7	17.5	18.8	19.8	21.3	2
86	26+17.0	-20.1	16.0	16.1	17.1	17.0	17.8	18.1	18.9	1

	Average Piezometer Readings, Prototype Feet of Water											
	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T=105 LC=20.1	T=120 LC=21.1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5
	16.8	17.2	18.3	18.9	19.9	21.5	23.0	27.5	31.8	41.0	49.0	55.5
	16.9	17.1	17.6	18.7	19.5	21.5	22.9	26.9	31.5	41.2	49.3	56.0
	16.9	17.0	17.9	19.2	20.5	22.1	24.1	28.9	34.3	44.8	52.3	58.6
	16.5	16.9	17.6	18.5	19.6	20.7	22.3	26.1	30.4	39.8	47.8	55.1
	16.7	16.9	17.3	18.1	19.2	20.4	21.6	25.0	28.9	37.6	47.7	55.0
	16.9	17.1	18.1	19.0	20.4	21.9	23.8	28.1	33.6	43.6	51.4	57.5
	16.6	16.8	18.1	19.2	20.6	22.7	24.8	30.0	35.8	47.4	53.8	59.4
	16.6	16.6	17.2	17.7	18.6	19.8	21.0	23.9	27.3	36.2	45.6	53.3
	16.5	16.7	16.8	17.6	18.0	18.8	20.1	22.0	24.8	32.3	41.6	49.6
	15.9	15.9	16.3	17.1	17.5	19.4	21.0	25.9	31.9	43.0	51.2	57.0
	16.3	16.6	17.6	17.7	18.8	19.8	21.2	24.5	28.1	36.8	45.9	53.6
	16.3	16.7	17.4	18.2	19.0	20.1	21.3	24.6	28.5	37.3	46.3	53.7
	16.9	17.0	17.8	19.1	20.6	22.4	24.3	29.6	35.4	45.3	52.9	58.5
	16.6	16.9	17.5	18.5	19.5	21.1	22.5	26.9	31.9	42.0	50.1	56.3
	16.5	16.6	17.8	18.7	20.1	21.5	23.2	27.8	32.4	42.2	50.4	57.0
	16.7	17.2	18.1	18.9	21.0	22.6	24.9	29.7	35.6	45.8	53.2	58.6
	16.5	17.3	18.2	19.4	21.0	23.1	25.8	31.1	37.0	47.9	54.7	59.7
	16.3	17.2	17.8	19.6	21.3	23.3	25.7	31.9	38.2	49.3	56.0	60.8
	16.7	17.4	18.3	19.8	21.3	23.7	26.4	32.4	39.1	50.9	57.4	61.7
	16.3	16.9	18.0	19.0	20.8	22.9	25.6	31.6	39.0	50.6	57.3	61.7
	16.6	17.1	18.4	19.9	21.7	24.3	27.0	33.6	41.1	52.5	58.6	62.6
	16.2	17.1	18.2	19.7	21.8	24.0	26.9	33.6	41.1	53.1	59.3	63.0
	16.4	17.2	18.4	19.9	21.7	24.4	26.9	33.7	41.5	53.8	59.2	62.8
	16.3	16.8	18.2	19.8	21.6	24.1	26.8	33.7	41.2	53.9	59.4	63.2
	17.2	16.9	17.6	18.3	19.0	20.3	21.2	24.1	27.8	36.1	45.1	52.8
	17.4	17.5	18.8	19.7	21.6	24.0	26.5	32.2	38.7	49.3	55.6	60.3
	16.8	16.9	17.4	17.9	18.6	19.8	20.7	23.5	26.7	35.0	44.2	52.4
	17.0	17.1	18.3	19.5	20.9	23.1	25.3	30.8	37.5	48.1	54.0	59.4
	16.9	16.7	17.2	17.6	18.7	20.0	21.1	23.6	27.0	35.6	44.5	52.6
	17.7	17.5	18.8	19.8	21.3	23.1	25.0	30.4	36.2	46.6	53.0	59.1
	17.1	17.0	17.8	18.1	18.9	19.7	21.1	23.5	26.5	33.4	42.9	52.1

Piezometer Readings, Prototype Feet of Water

1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5	T=420 LC=59.9	T=480 LC=65.0	T=540 LC=68.4	T=600 LC=71.5	T=660 LC=73.0	T=720 LC=74.0
	27.5	31.8	41.0	49.0	55.5	61.0	65.5	69.2	71.6	73.1	74.0
	26.9	31.5	41.2	49.3	56.0	61.5	65.9	69.3	71.7	73.2	74.0
	28.9	34.3	44.8	52.3	58.6	63.1	67.0	69.8	72.1	73.4	74.0
	26.1	30.4	39.8	47.8	55.1	60.8	65.4	69.0	71.7	73.3	74.0
	25.0	28.9	37.6	47.7	55.0	61.0	65.8	69.2	71.6	73.2	74.0
	28.1	33.6	43.6	51.4	57.5	62.3	66.0	69.4	71.8	73.3	74.0
	30.0	35.8	47.4	53.8	59.4	63.9	67.2	70.0	72.3	73.4	74.0
	23.9	27.3	36.2	45.6	53.3	59.6	64.8	68.8	71.3	73.2	74.0
	22.0	24.8	32.3	41.6	49.6	57.4	62.5	67.1	70.4	72.7	74.0
	25.9	31.9	43.0	51.2	57.0	62.0	65.7	69.3	71.5	73.1	74.0
	24.5	28.1	36.8	45.9	53.6	59.8	64.7	68.5	71.3	73.0	74.0
	24.6	28.5	37.3	46.3	53.7	59.9	64.7	68.7	71.4	73.2	74.0
	29.6	35.4	45.3	52.9	58.5	62.6	66.8	70.0	71.9	73.4	74.0
	26.9	31.9	42.0	50.1	56.3	61.2	65.6	69.0	71.4	73.3	74.0
	27.8	32.4	42.2	50.4	57.0	62.0	66.5	69.8	71.8	73.5	74.0
	29.7	35.6	45.8	53.2	58.6	63.6	67.0	69.9	71.8	73.3	74.0
	31.1	37.0	47.9	54.7	59.7	64.2	67.5	70.4	72.2	73.3	74.0
	31.9	38.2	49.3	56.0	60.8	65.0	67.9	70.3	72.1	73.5	74.0
	32.4	39.1	50.9	57.4	61.7	65.5	68.5	70.7	72.8	73.9	74.0
	31.6	39.0	50.6	57.3	61.7	65.3	68.4	70.5	72.4	73.6	74.0
	33.6	41.1	52.5	58.6	62.6	66.3	68.9	71.2	72.5	73.5	74.0
	33.6	41.1	53.1	59.3	63.0	66.0	69.0	70.9	72.4	73.3	74.0
	33.7	41.5	53.8	59.2	62.8	66.2	69.2	70.8	72.7	73.2	74.0
	33.7	41.2	53.9	59.4	63.2	66.3	69.1	71.1	72.3	73.5	74.0
	24.1	27.8	36.1	45.1	52.8	59.3	64.4	68.4	71.4	73.0	74.0
	32.2	38.7	49.3	55.6	60.3	64.0	68.0	70.3	72.4	73.7	74.0
	23.5	26.7	35.0	44.2	52.4	59.0	64.1	68.3	71.5	73.3	74.0
	30.8	37.5	48.1	54.0	59.4	63.6	67.2	70.3	72.3	73.7	74.0
	23.6	27.0	35.6	44.5	52.6	58.6	64.1	68.2	70.9	72.9	74.0
	30.4	36.2	46.6	53.0	59.1	63.1	66.7	69.9	72.1	73.2	74.0
	23.5	26.5	33.4	42.9	52.1	58.4	64.1	68.3	71.3	73.3	74.0

Table A25 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T L
87	26+06.0	-20.1	16.0	15.9	17.3	16.9	18.4	19.5	21.0	2
88	26+22.4	-20.1	16.0	16.3	17.4	17.0	17.8	18.2	19.4	2
89	26+13.9	-20.1	16.0	16.2	16.7	17.1	17.8	18.6	20.0	2
90	26+30.3	-20.1	16.0	16.1	16.9	16.8	18.1	19.0	20.1	2
91	26+25.7	-20.1	16.0	16.0	16.7	16.9	17.8	18.6	20.0	2
92	26+43.3	-24.1	16.0	16.3	17.0	16.9	18.3	19.0	20.4	2
93	26+43.3	-24.1	16.0	16.1	16.9	16.8	17.9	18.9	20.4	2
94	26+48.3	-24.0	16.0	16.2	17.0	16.8	18.0	18.7	20.0	2
95	26+48.3	-24.0	16.0	16.3	17.1	17.1	18.2	18.9	20.2	2
96	26+53.3	-23.1	16.0	16.2	17.1	16.8	18.0	18.6	19.3	2
97	26+53.3	-23.1	16.0	16.4	16.8	16.9	17.6	17.9	18.6	1
98	26+53.3	-23.1	16.0	16.5	17.4	17.9	19.7	20.4	22.7	2
99	26+58.3	-22.7	16.0	16.3	16.9	16.9	17.7	18.4	19.3	2
100	26+58.3	-22.7	16.0	16.1	16.8	17.1	17.7	18.4	19.5	2
101	26+58.3	-22.7	16.0	16.3	16.9	16.9	18.0	18.4	19.5	2
102	26+58.3	-22.7	16.0	15.5	16.4	16.5	17.6	17.9	19.1	2
103	26+68.3	-22.1	16.0	15.8	16.7	16.5	17.2	18.0	19.1	2
104	26+68.3	-22.1	16.0	15.9	16.6	16.9	17.8	18.4	19.8	2
105	26+68.3	-22.1	16.0	16.3	16.9	17.2	17.9	18.7	20.0	2
106	26+68.3	-22.1	16.0	16.1	16.4	16.9	17.7	18.4	19.9	2
107	26+78.3	-21.5	16.0	15.9	16.4	16.8	17.6	18.5	19.8	2
108	26+78.3	-21.5	16.0	16.4	16.8	17.2	17.7	18.7	19.8	2
109	26+78.3	-21.5	16.0	16.3	16.9	17.1	18.2	18.9	20.2	2
110	26+78.3	-21.5	16.0	16.3	16.7	17.1	17.8	18.6	19.9	2
111	26+88.3	-20.9	16.0	16.3	16.8	17.2	18.1	19.0	20.4	2
112	26+88.3	-20.9	16.0	16.1	16.8	17.0	18.0	18.4	19.8	2
113	26+88.3	-20.9	16.0	16.1	16.8	17.0	17.6	18.4	19.5	2
114	26+88.3	-20.9	16.0	16.1	16.7	17.0	18.1	19.1	20.7	2
115	26+93.3	-20.6	16.0	15.7	16.4	16.4	16.9	17.6	18.5	2
116	26+93.3	-20.6	16.0	16.3	16.7	16.8	17.5	17.9	19.2	1
117	26+93.3	-20.6	16.0	16.4	16.5	16.7	17.5	17.9	18.7	1

	Average Piezometer Readings, Prototype Feet of Water											
.0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T=105 LC=20.1	T=120 LC=21.1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5
	17.3	16.9	18.4	19.5	21.0	23.3	25.6	31.3	37.5	48.0	54.9	60.6
	17.4	17.0	17.8	18.2	19.4	20.2	21.1	23.8	26.4	34.0	43.2	51.6
	16.7	17.1	17.8	18.6	20.0	21.5	23.8	28.8	34.3	45.8	53.7	58.3
	16.9	16.8	18.1	19.0	20.1	22.0	23.8	29.4	35.3	46.0	54.0	59.3
	16.7	16.9	17.8	18.6	20.0	21.8	23.8	29.2	35.0	45.7	53.8	59.1
	17.0	16.9	18.3	19.0	20.4	22.6	24.3	28.3	34.0	44.0	51.5	58.2
	16.9	16.8	17.9	18.9	20.4	22.1	23.9	28.7	32.7	43.7	51.0	57.6
	17.0	16.8	18.0	18.7	20.0	21.3	22.7	26.7	30.6	39.5	47.5	54.7
	17.1	17.1	18.2	18.9	20.2	21.7	23.2	26.4	31.0	40.5	48.7	55.4
	17.1	16.8	18.0	18.6	19.3	20.5	21.6	23.9	27.6	37.0	43.1	51.6
	16.8	16.9	17.6	17.9	18.6	19.5	20.1	22.4	24.8	31.9	42.6	51.2
	17.4	17.9	19.7	20.4	22.7	25.0	28.8	36.5	43.1	57.9	59.3	63.2
	16.9	16.9	17.7	18.4	19.3	20.5	21.5	25.0	28.4	37.1	45.6	53.4
	16.8	17.1	17.7	18.4	19.5	20.9	22.3	24.8	28.6	37.0	46.6	54.2
	16.9	16.9	18.0	18.4	19.5	20.6	22.1	25.0	29.2	37.3	45.4	53.3
	16.4	16.5	17.6	17.9	19.1	20.0	21.2	24.5	28.5	37.0	45.6	53.1
	16.7	16.5	17.2	18.0	19.1	20.1	21.7	24.8	29.2	38.0	47.3	54.5
	16.6	16.9	17.8	18.4	19.8	21.1	22.8	26.2	30.9	39.7	48.2	55.2
	16.9	17.2	17.9	18.7	20.0	21.0	22.6	26.2	31.2	39.7	47.9	54.6
	16.4	16.9	17.7	18.4	19.9	20.8	22.6	26.8	32.0	41.0	49.8	57.9
	16.4	16.8	17.6	18.5	19.8	21.2	23.3	27.3	32.1	41.8	49.8	56.1
	16.8	17.2	17.7	18.7	19.8	21.5	22.6	26.5	31.2	40.6	49.1	55.8
	16.9	17.1	18.2	18.9	20.2	21.7	22.9	27.0	31.8	41.3	48.7	55.9
	16.7	17.1	17.8	18.6	19.9	21.3	22.9	26.7	31.9	41.1	49.3	55.9
	16.8	17.2	18.1	19.0	20.4	22.2	24.1	28.7	34.1	43.9	51.9	57.4
	16.8	17.0	18.0	18.4	19.8	21.5	22.8	26.3	30.7	39.3	47.2	54.3
	16.8	17.0	17.6	18.4	19.5	20.5	21.9	25.6	29.7	38.7	47.3	54.7
	16.7	17.0	18.1	19.1	20.7	22.4	23.9	29.2	33.8	44.2	51.2	57.3
	16.4	16.4	16.9	17.6	18.5	20.0	21.8	26.6	32.4	43.7	51.7	57.5
	16.7	16.8	17.5	17.9	19.2	19.9	21.3	24.1	27.7	35.8	45.1	52.7
	16.5	16.7	17.5	17.9	18.7	19.7	20.7	23.6	26.7	34.6	44.7	52.4

Piezometer Readings, Prototype Feet of Water

1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5	T=420 LC=59.9	T=480 LC=65.0	T=540 LC=68.4	T=600 LC=71.5	T=660 LC=73.0	T=720 LC=74.0
	31.3	37.5	48.0	54.9	60.6	64.2	67.9	70.4	72.5	73.5	74.0
	23.8	26.4	34.0	43.2	51.6	58.4	64.1	68.3	71.4	73.2	74.0
	28.8	34.3	45.8	53.7	58.3	63.1	66.3	69.0	72.4	73.4	74.0
	29.4	35.3	46.0	54.0	59.3	64.0	67.4	70.3	72.4	73.7	74.0
	29.2	35.0	45.7	53.8	59.1	63.8	67.3	70.1	72.3	73.4	74.0
	28.3	34.0	44.0	51.5	58.2	62.1	66.6	69.4	71.9	73.3	74.0
	28.7	32.7	43.7	51.0	57.6	63.0	67.0	69.8	72.2	73.5	74.0
	26.7	30.6	39.5	47.5	54.7	60.4	65.2	68.9	71.4	73.0	74.0
	26.4	31.0	40.5	48.7	55.4	61.0	65.5	69.0	71.6	73.2	74.0
	23.9	27.6	37.0	43.1	51.6	57.5	63.8	68.0	71.0	73.0	74.0
	22.4	24.8	31.9	42.6	51.2	58.1	63.9	68.5	71.4	73.1	74.0
	36.5	43.1	57.9	59.3	63.2	68.2	69.2	71.2	72.6	73.4	74.0
	25.0	28.4	37.1	45.6	53.4	59.6	64.8	68.6	71.5	73.2	74.0
	24.8	28.6	37.0	46.6	54.2	59.9	64.8	69.0	71.5	73.0	74.0
	25.0	29.2	37.3	45.4	53.3	60.0	64.8	69.1	71.8	73.3	74.0
	24.5	28.5	37.0	45.6	53.1	59.4	64.4	68.3	71.1	73.0	74.0
	24.8	29.2	38.0	47.3	54.5	60.1	64.9	68.7	71.2	72.9	74.0
	26.2	30.9	39.7	48.2	55.2	60.6	65.6	69.3	71.6	73.4	74.0
	26.2	31.2	39.7	47.9	54.6	60.1	65.1	68.8	71.2	72.9	74.0
	26.8	32.0	41.0	49.8	57.9	62.9	66.8	69.4	71.4	73.1	74.0
	27.3	32.1	41.8	49.8	56.1	61.7	66.1	69.4	72.0	73.5	74.0
	26.5	31.2	40.6	49.1	55.8	61.3	65.7	69.1	71.7	73.1	74.0
	27.0	31.8	41.3	48.7	55.9	61.3	65.8	69.4	72.0	73.7	74.0
	26.7	31.9	41.1	49.3	55.9	61.5	65.9	69.2	71.7	73.4	74.0
	28.7	34.1	43.9	51.9	57.4	62.4	66.7	69.7	71.9	73.6	74.0
	26.3	30.7	39.3	47.2	54.3	60.2	65.0	68.6	71.5	73.1	74.0
	25.6	29.7	38.7	47.3	54.7	60.7	65.4	69.0	71.5	73.1	74.0
	29.2	33.8	44.2	51.2	57.3	62.4	66.4	69.5	72.0	73.0	74.0
	26.6	32.4	43.7	51.7	57.5	62.2	66.2	69.4	71.8	73.3	74.0
	24.1	27.7	35.8	45.1	52.7	59.0	64.4	68.7	71.3	73.6	74.0
	23.6	26.7	34.6	44.7	52.4	59.0	64.3	68.5	70.9	73.5	74.0

Table A25 (Concluded)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T= LC
118	26+93.3	-20.6	16.0	16.3	16.7	17.1	18.0	19.5	20.8	22.
119	26+95.3	-20.6	16.0	16.3	16.5	16.7	17.4	17.9	19.2	20.
120	26+95.3	-20.6	16.0	16.2	16.6	16.7	17.3	17.9	19.1	19.
121	26+95.3	-20.6	16.0	16.1	16.5	17.0	17.3	18.0	18.8	19.
122	26+95.3	-20.6	16.0	16.1	17.0	17.4	18.1	19.1	20.7	22.
123	27+08.1	-24.25	16.0	15.9	16.2	16.8	16.8	17.8	19.0	20.
123A	27+08.1	-24.25	16.0	16.3	16.9	17.2	17.9	19.1	20.5	22.
124	27+18.1	-24.25	16.0	16.0	16.5	17.1	17.6	19.0	20.3	22.
125	27+28.1	-24.25	16.0	16.1	16.1	16.3	16.4	16.6	17.1	17.
126	27+38.1	-24.25	16.0	16.1	16.8	17.3	18.3	19.7	21.2	23.
127	27+48.1	-24.25	16.0	16.2	16.5	17.0	18.1	19.5	20.9	23.
128	27+58.1	-24.25	16.0	16.1	16.5	17.5	18.0	19.3	21.1	23.
129	27+68.1	-24.25	16.0	16.2	16.3	16.9	18.2	19.7	21.4	23.
130	27+78.1	-24.25	16.0	16.1	16.5	17.4	18.1	19.7	21.8	24.
131	27+88.1	-24.25	16.0	16.1	16.3	16.7	18.0	19.3	21.0	23.
131A	27+88.1	-24.25	16.0	16.0	16.5	17.0	18.3	19.7	21.3	23.
132	26+14.0	-24.25	16.0	17.7	18.0	18.4	19.9	20.9	24.3	26.
133	26+22.5	-24.25	16.0	17.4	17.8	17.8	19.6	20.7	23.8	26.
134	26+70.0	-17.0	16.0	17.3	18.3	18.1	19.9	20.7	24.1	27.
134A	26+70.0	-17.0	16.0	16.7	18.0	17.9	19.7	21.1	23.0	25.
135	27+85.0	-17.0	16.0	17.1	17.9	18.0	20.0	21.2	23.5	26.
135A	27+85.0	-17.0	16.0	17.1	18.2	18.2	20.1	21.5	23.6	26.
136	28+60.0	-18.0	16.0	17.1	18.1	18.6	20.4	21.6	24.2	26.
136A	28+60.0	-18.0	16.0	17.3	18.5	17.8	20.5	21.1	23.8	26.
137	28+72.0	-18.0	16.0	16.8	17.7	17.9	19.4	21.3	23.4	25.
137A	28+72.0	-18.0	16.0	17.0	18.3	17.9	20.4	21.0	23.7	25.
161	22+57.6	-24.0	16.0	19.1	14.3	11.9	10.7	9.4	8.7	12.
162	22+57.6	-26.4	16.0	18.5	14.0	11.7	10.1	11.9	9.1	10.
163	22+60.6	-24.0	16.0	18.5	14.5	12.7	11.1	9.6	10.5	11.
164	22+60.6	-26.4	16.0	18.6	13.8	12.3	11.7	11.4	10.1	11.

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=16.1	T=45 LC=16.4	T=60 LC=17.0	T=75 LC=17.9	T=90 LC=18.7	T=105 LC=20.1	T=120 LC=21.1	T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5
16.7	17.1	18.0	19.5	20.8	22.6	24.8	30.3	35.5	46.1	52.9	58.3
16.5	16.7	17.4	17.9	19.2	20.7	22.6	28.0	33.5	44.3	51.9	57.8
16.6	16.7	17.3	17.9	19.1	19.8	21.1	24.0	27.4	35.8	44.7	52.7
16.5	17.0	17.3	18.0	18.8	19.9	20.9	23.8	27.2	36.1	44.6	53.0
17.0	17.4	18.1	19.1	20.7	22.3	24.8	29.7	35.7	45.9	53.0	58.8
16.2	16.8	16.8	17.8	19.0	20.4	22.0	26.2	30.9	41.3	48.3	54.3
16.9	17.2	17.9	19.1	20.5	22.3	23.9	28.6	33.4	43.3	51.3	57.8
16.5	17.1	17.6	19.0	20.3	22.2	24.2	29.8	35.5	45.8	52.6	58.4
16.1	16.3	16.4	16.6	17.1	17.8	18.7	22.5	28.3	37.8	45.5	54.1
16.8	17.3	18.3	19.7	21.2	23.4	25.7	31.5	37.9	50.1	57.0	63.2
16.5	17.0	18.1	19.5	20.9	23.3	25.9	31.7	38.8	50.2	55.9	61.0
16.5	17.5	18.0	19.3	21.1	23.5	25.8	32.3	39.2	51.3	56.7	61.7
16.3	16.9	18.2	19.7	21.4	23.7	26.3	32.9	40.0	52.0	57.2	61.7
16.5	17.4	18.1	19.7	21.8	24.0	26.8	33.2	40.7	52.9	58.3	62.3
16.3	16.7	18.0	19.3	21.0	23.3	25.9	32.8	40.5	52.9	58.2	62.1
16.5	17.0	18.3	19.7	21.3	23.8	26.4	33.5	40.1	52.3	58.6	62.6
18.0	18.4	19.9	20.9	24.3	26.9	29.9	36.6	43.7	55.8	60.5	64.2
17.8	17.8	19.6	20.7	23.8	26.6	29.2	36.7	43.7	55.2	59.9	64.0
18.3	18.1	19.9	20.7	24.1	27.1	30.0	37.5	44.7	55.9	60.8	64.4
18.0	17.9	19.7	21.1	23.0	25.9	28.6	35.3	43.0	55.5	60.5	64.1
17.9	18.0	20.0	21.2	23.5	26.2	29.5	36.7	44.4	55.7	60.5	63.8
18.2	18.2	20.1	21.5	23.6	26.1	29.0	35.6	42.7	55.6	60.5	64.2
18.1	18.6	20.4	21.6	24.2	26.9	29.9	37.3	44.6	56.1	60.7	64.4
18.5	17.8	20.5	21.1	23.8	26.0	29.3	35.9	43.3	55.6	60.8	64.7
17.7	17.9	19.4	21.3	23.4	25.9	28.6	35.0	42.2	53.6	58.4	62.5
18.3	17.9	20.4	21.0	23.7	25.8	29.1	35.9	43.2	55.6	60.8	64.3
14.3	11.9	10.7	9.4	8.7	12.2	12.3	14.7	28.3	56.8	61.1	64.6
14.0	11.7	10.1	11.9	9.1	10.1	13.3	15.2	30.0	57.2	61.5	64.8
14.5	12.7	11.1	9.6	10.5	11.9	12.1	14.7	29.7	57.6	61.7	65.4
13.8	12.3	11.7	11.4	10.1	11.7	14.8	15.0	31.7	57.6	61.8	65.1

ometer Readings, Prototype Feet of Water

T=150 LC=24.3	T=180 LC=28.1	T=240 LC=37.3	T=300 LC=46.2	T=360 LC=53.5	T=420 LC=59.9	T=480 LC=65.0	T=540 LC=68.4	T=600 LC=71.5	T=660 LC=73.0	T=720 LC=74.0
30.3	35.5	46.1	52.9	58.3	63.1	66.6	69.8	71.6	73.0	74.0
28.0	33.5	44.3	51.9	57.8	62.3	66.5	69.3	71.8	73.3	74.0
24.0	27.4	35.8	44.7	52.7	58.8	64.3	68.2	71.1	73.0	74.0
23.8	27.2	36.1	44.6	53.0	59.3	64.3	68.2	71.2	72.9	74.0
29.7	35.7	45.9	53.0	58.8	63.2	66.8	69.9	72.3	73.5	74.0
26.2	30.9	41.3	48.3	54.3	59.8	64.2	68.0	70.6	72.8	74.0
28.6	33.4	43.3	51.3	57.8	62.6	66.7	69.9	72.2	73.5	74.0
29.8	35.5	45.8	52.6	58.4	62.9	66.8	70.1	72.2	73.~~0~~	74.0
22.5	28.3	37.8	45.5	54.1	63.2	67.2	70.0	72.2	73.7	74.0
31.5	37.9	50.1	57.0	63.2	68.9	72.0	72.3	73.0	73.4	74.0
31.7	38.8	50.2	55.9	61.0	64.9	68.1	70.6	72.3	73.5	74.0
32.3	39.2	51.3	56.7	61.7	65.2	68.1	70.8	72.3	73.5	74.0
32.9	40.0	52.0	57.2	61.7	65.5	68.3	70.6	72.2	73.1	74.0
33.2	40.7	52.9	58.3	62.3	65.9	68.6	70.8	72.6	73.7	74.0
32.8	40.5	52.9	58.2	62.1	65.8	68.6	70.6	72.4	73.3	74.0
33.5	40.1	52.3	58.6	62.6	66.0	68.6	71.2	72.4	73.6	74.0
36.6	43.7	55.8	60.5	64.2	67.4	69.7	71.4	72.7	73.5	74.0
36.7	43.7	55.2	59.9	64.0	66.9	69.5	71.2	72.6	73.5	74.0
37.5	44.7	55.9	60.8	64.4	67.2	69.3	71.4	72.7	73.4	74.0
35.3	43.0	55.5	60.5	64.1	66.9	69.5	71.4	72.8	73.7	74.0
36.7	44.4	55.7	60.5	63.8	66.8	69.3	71.1	72.3	73.3	74.0
35.6	42.7	55.6	60.5	64.2	67.0	69.4	71.5	72.5	73.6	74.0
37.3	44.6	56.1	60.7	64.4	67.3	69.6	71.4	72.7	73.6	74.0
35.9	43.3	55.6	60.8	64.7	67.4	70.0	71.7	73.0	73.8	74.0
35.0	42.2	53.6	58.4	62.5	65.6	68.2	70.5	72.3	73.6	74.0
35.9	43.2	55.6	60.8	64.3	67.3	69.9	71.6	72.9	74.0	74.0
14.7	28.3	56.8	61.1	64.6	67.8	69.8	71.5	72.8	73.7	74.0
15.2	30.0	57.2	61.5	64.8	67.6	69.9	71.6	72.8	73.5	74.0
14.7	29.7	57.6	61.7	65.4	67.8	70.1	71.9	72.9	73.7	74.0
15.0	31.7	57.6	61.8	65.1	67.9	70.0	71.7	72.7	73.5	74.0

Table A26
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.4	T=30 LC=16.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=1 LC=
1	21+17.8	-16.0	74.0	73.7	73.4	72.5	71.6	71.0	71.4	71.2	71.3	71.(
2	21+25.2	-16.0	74.0	73.7	73.1	72.5	71.4	71.3	71.3	71.5	71.6	71.(
3	21+22.9	-16.0	74.0	73.7	73.3	72.8	71.4	71.3	71.5	71.5	71.8	71.8
4	21+29.5	-16.0	74.0	73.5	72.9	71.0	68.6	67.9	67.8	67.7	68.0	68.1
5	21+39.4	-16.0	74.0	73.7	73.0	71.9	70.5	70.3	70.2	70.5	70.8	70.8
6	21+36.2	-16.0	74.0	73.5	72.8	71.6	70.1	69.4	69.3	69.3	69.5	69.9
7	21+42.5	-16.0	74.0	73.4	72.3	69.1	65.9	64.5	64.8	64.7	65.0	65.6
8	21+53.8	-16.0	74.0	73.7	72.4	70.2	68.1	67.4	67.2	67.9	67.6	68.2
9	21+49.7	-16.0	74.0	73.3	72.2	70.1	68.0	67.3	67.5	67.5	67.7	68.1
10	21+55.9	-16.0	74.0	72.9	71.8	69.0	66.2	64.5	63.1	63.0	63.6	64.1
11	21+70.0	-13.6	74.0	72.4	68.5	60.6	49.9	45.6	45.5	46.3	47.2	49.(
12	21+85.0	-17.0	74.0	71.9	67.5	58.8	48.2	44.2	44.0	44.8	45.5	47.(
13	21+91.0	-17.0	74.0	72.2	67.8	60.3	50.0	45.6	45.3	46.1	47.4	48.9
13A	21+91.0	-17.0	74.0	73.8	73.6	73.2	73.5	73.9	74.2	73.9	74.2	74.(
14	22+05.0	-17.0	74.0	71.5	66.5	57.4	46.0	42.2	42.1	43.1	44.0	45.7
14A	22+05.0	-17.0	74.0	73.3	72.7	71.9	70.5	69.3	68.2	67.0	66.7	66.(
15	22+52.1	-17.0	16.0	14.6	11.1	14.7	41.2	39.1	39.8	41.1	41.9	44.2
15A	22+52.1	-17.0	16.0	16.4	15.2	12.8	10.0	8.8	10.4	12.3	14.2	18.5
16	21+53.5	-17.0	16.0	14.8	12.1	15.7	32.8	30.5	29.7	30.8	31.7	33.6
17	22+59.1	-16.9	16.0	13.6	12.6	16.8	43.0	41.6	42.2	43.2	44.2	46.2
18	22+62.6	-16.8	16.0	14.4	12.0	20.6	43.3	42.1	42.5	43.6	44.7	46.7
19	22+69.1	-16.6	16.0	18.7	17.2	29.4	43.7	42.1	42.7	43.2	44.6	47.4
20	22+76.6	-16.5	16.0	21.9	20.8	32.9	42.0	40.9	41.4	42.1	43.2	45.4
21	22+90.6	-16.5	16.0	24.7	26.9	35.8	40.4	39.8	40.0	40.9	42.3	44.3
21A	22+90.6	-16.5	16.0	16.7	15.7	13.2	10.5	8.8	10.9	12.3	14.6	18.1
22	23+50.0	-16.5	16.0	19.2	26.9	33.1	37.3	35.2	36.3	37.5	38.5	40.5
23	24+50.0	-16.5	16.0	16.0	16.1	16.0	16.2	16.4	16.1	15.9	16.3	16.2
24	25+50.0	-16.5	16.0	20.3	24.9	30.2	34.8	35.7	36.7	38.2	39.9	42.4
24A	25+50.0	-16.5	16.0	16.8	16.0	13.1	10.2	8.5	10.7	12.7	14.2	18.3
25	26+04.3	-24.25	16.0	18.8	22.5	28.8	36.2	39.6	39.8	42.9	43.8	45.0
26	25+95.9	-24.25	16.0	18.8	20.2	20.3	19.7	19.3	19.5	21.6	23.5	27.0

During Filling Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 1 Min (Constant Sp

Average Piezometer Readings, Prototype Feet of Water

5 17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6	T=180 LC=32.4	T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=66 LC=6
5	71.6	71.0	71.4	71.2	71.3	71.8	71.7	71.9	72.4	72.9	73.0	73.3	73.3	73.7	73.9
5	71.4	71.3	71.3	71.5	71.6	71.6	71.9	72.2	72.5	72.3	72.8	73.1	73.1	73.6	73.8
3	71.4	71.3	71.5	71.5	71.8	71.8	72.1	72.5	72.5	72.9	73.1	72.8	73.3	73.5	73.7
0	68.6	67.9	67.8	67.7	68.0	68.1	69.0	69.5	70.1	70.7	71.4	71.9	72.4	72.4	73.1
0	70.5	70.3	70.2	70.5	70.8	70.8	71.0	71.1	71.8	71.9	72.2	72.7	72.7	73.2	73.5
5	70.1	69.4	69.3	69.3	69.5	69.9	70.0	70.6	71.1	71.4	72.1	72.4	72.4	72.7	73.3
	65.9	64.5	64.8	64.7	65.0	65.6	66.0	67.2	68.3	69.1	69.9	70.9	71.1	72.0	72.3
2	68.1	67.4	67.2	67.9	67.6	68.2	68.4	69.4	70.2	70.7	71.6	71.6	72.3	72.5	72.9
	68.0	67.3	67.5	67.5	67.7	68.1	68.7	69.1	69.9	70.5	71.3	71.5	72.2	72.4	72.6
0	66.2	64.5	63.1	63.0	63.6	64.1	64.6	66.1	67.0	68.5	69.4	70.2	71.1	71.9	72.5
3	49.9	45.6	45.5	46.3	47.2	49.0	50.8	54.2	56.8	59.7	62.1	64.5	66.0	68.1	69.3
0	48.2	44.2	44.0	44.8	45.5	47.8	49.0	52.7	55.8	58.9	61.4	63.9	65.9	67.3	69.3
3	50.0	45.6	45.3	46.1	47.4	48.9	50.7	53.7	56.8	59.3	61.9	64.0	65.9	67.8	69.1
2	73.5	73.9	74.2	73.9	74.2	74.0	74.5	74.9	74.4	74.2	74.6	75.0	74.5	74.0	73.8
1	46.0	42.2	42.1	43.1	44.0	45.7	47.8	51.4	54.7	57.7	60.4	62.8	65.0	67.0	68.6
0	70.5	69.3	68.2	67.0	66.7	66.0	67.3	70.4	74.1	77.6	80.5	82.8	84.2	85.9	86.6
	41.2	39.1	39.8	41.1	41.9	44.2	46.1	50.1	53.6	57.0	59.6	62.2	64.5	66.6	68.5
0	10.0	8.8	10.4	12.3	14.2	18.5	22.2	29.0	35.6	41.8	46.7	51.8	56.0	59.9	63.1
	32.8	30.5	29.7	30.8	31.7	33.8	36.1	41.0	45.7	49.7	53.5	57.3	60.6	64.0	66.7
	43.0	41.6	42.2	43.2	44.2	46.2	48.1	52.2	55.2	58.1	60.6	62.9	65.1	67.2	68.7
	43.3	42.1	42.5	43.6	44.7	46.7	48.5	52.2	55.4	58.4	61.0	63.4	65.3	67.4	68.9
	43.7	42.1	42.7	43.2	44.6	47.4	49.0	53.0	57.2	60.5	63.3	64.9	66.5	68.2	69.7
0	42.0	40.9	41.4	42.1	43.2	45.4	47.4	50.7	54.7	57.9	60.4	62.9	64.9	66.6	68.2
	40.4	39.8	40.0	40.9	42.3	44.3	46.2	49.9	53.8	57.1	59.9	62.6	64.8	66.5	68.5
	10.5	8.8	10.9	12.3	14.6	18.1	22.0	29.0	35.9	41.8	47.0	51.9	56.2	60.0	63.4
	37.3	35.2	36.3	37.5	38.5	40.5	43.7	47.8	51.3	55.0	58.0	61.1	63.3	65.5	67.5
	16.2	16.4	16.1	15.9	16.3	16.2	16.2	16.9	23.4	39.9	47.2	51.9	56.1	59.4	62.7
	34.8	35.7	36.7	38.2	39.9	42.4	43.4	44.3	47.6	52.0	55.4	58.7	61.6	64.0	66.2
	10.2	8.5	10.7	12.7	14.2	18.3	22.0	28.8	35.3	41.5	47.1	51.8	56.1	60.1	63.2
	36.2	39.6	39.8	42.9	43.8	45.0	46.2	49.4	53.0	56.3	59.0	61.5	63.7	65.7	67.6
	19.7	19.3	19.5	21.6	23.5	27.0	29.9	36.1	41.9	46.9	51.5	55.8	59.4	62.3	65.3

, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 1 Min (Constant Speed Gate), Single Valve Operation

rage Piezometer Readings, Prototype Feet of Water

T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=660 LC=65.2	T=720 LC=67.3	T=780 LC=69.2	T=840 LC=70.5	T=900 LC=72.3	T=1020 LC=73.7	T=1260 LC=74.0
71.9	72.4	72.9	73.0	73.3	73.3	73.7	73.9	73.7	73.7	73.9	73.9	74.1	74.0
72.2	72.5	72.3	72.8	73.1	73.1	73.6	73.8	73.4	73.5	73.6	74.0	73.9	74.0
72.5	72.5	72.9	73.1	72.8	73.3	73.5	73.7	73.4	73.6	73.9	73.8	73.9	74.0
69.5	70.1	70.7	71.4	71.9	72.4	72.4	73.1	73.1	73.3	73.5	73.7	74.2	74.0
71.1	71.8	71.9	72.2	72.7	72.7	73.2	73.5	73.6	73.7	73.8	73.7	73.9	74.0
70.6	71.1	71.4	72.1	72.4	72.4	72.7	73.3	73.3	73.4	73.5	73.4	73.6	74.0
67.2	68.3	69.1	69.9	70.9	71.1	72.0	72.3	72.6	73.3	73.3	73.6	73.5	74.0
69.4	70.2	70.7	71.6	71.6	72.3	72.5	72.9	73.2	73.3	73.6	73.7	73.7	74.0
69.1	69.9	70.5	71.3	71.5	72.2	72.4	72.6	72.9	73.2	73.6	73.4	73.9	74.0
66.1	67.0	68.5	69.4	70.2	71.1	71.9	72.5	72.8	73.3	73.1	73.3	73.3	74.0
54.2	56.8	59.7	62.1	64.5	66.0	68.1	69.3	70.5	71.5	72.0	72.8	73.7	74.0
52.7	55.8	58.9	61.4	63.9	65.9	67.3	69.3	70.4	71.4	72.2	72.8	73.7	74.0
53.7	56.8	59.3	61.9	64.0	65.9	67.8	69.1	70.8	71.7	72.1	72.9	74.2	74.0
74.9	74.4	74.2	74.6	75.0	74.5	74.0	73.8	74.4	74.8	75.0	74.0	74.5	74.0
51.4	54.7	57.7	60.4	62.8	65.0	67.0	68.6	70.0	70.6	71.9	72.5	73.6	74.0
70.4	74.1	77.6	80.5	82.8	84.2	85.9	86.6	87.2	87.8	87.5	86.6	83.4	74.0
50.1	53.6	57.0	59.6	62.2	64.5	66.6	68.5	69.9	71.2	72.1	73.1	73.9	74.0
29.0	35.6	41.8	46.7	51.8	56.0	59.9	63.1	66.0	68.2	70.4	71.5	73.7	74.0
41.0	45.7	49.7	53.5	57.3	60.6	64.0	66.7	69.4	71.5	72.3	73.4	74.1	74.0
52.2	55.2	58.1	60.6	62.9	65.1	67.2	68.7	69.9	71.5	72.2	72.7	73.7	74.0
52.2	55.4	58.4	61.0	63.4	65.3	67.4	68.9	70.2	71.4	72.2	72.8	73.8	74.0
53.0	57.2	60.5	63.3	64.9	66.5	68.2	69.7	70.7	71.5	72.3	72.9	73.5	74.0
50.7	54.7	57.9	60.4	62.9	64.9	66.6	68.2	69.9	70.9	72.1	72.9	74.0	74.0
49.9	53.8	57.1	59.9	62.6	64.8	66.5	68.5	69.9	71.1	72.0	72.5	73.5	74.0
29.0	35.9	41.8	47.0	51.9	56.2	60.0	63.4	65.9	68.7	70.4	72.0	73.8	74.0
47.8	51.3	55.0	58.0	61.1	63.3	65.5	67.5	69.0	70.5	71.3	72.3	73.6	74.0
16.9	23.4	39.9	47.2	51.9	56.1	59.4	62.7	65.2	67.5	69.3	71.2	73.1	74.0
44.3	47.6	52.0	55.4	58.7	61.6	64.0	66.2	68.1	69.9	71.3	72.3	73.4	74.0
28.8	35.3	41.5	47.1	51.8	56.1	60.1	63.2	66.0	68.5	70.2	72.0	73.9	74.0
49.4	53.0	56.3	59.0	61.5	63.7	65.7	67.6	69.1	70.5	71.5	72.6	73.4	74.0
36.1	41.9	46.9	51.5	55.8	59.4	62.3	65.3	67.6	69.6	71.1	72.4	73.9	74.0

Table A26 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.4	T=30 LC=16.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6
27	26+09.2	-17.0	16.0	17.1	19.1	21.6	24.4	25.1	26.0	27.7	29.0	31.9
27A	26+09.2	-17.0	16.0	16.6	15.8	13.2	10.0	8.4	10.0	11.8	13.3	17.3
28	26+01.3	-20.1	16.0	16.9	15.7	13.0	9.8	7.1	4.2	1.8	1.0	5.9
29	26+12.4	-20.1	16.0	18.3	20.2	23.3	25.7	27.3	27.9	30.7	30.7	34.8
30	25+96.0	-20.1	16.0	16.9	13.7	7.6	-0.4	-4.7	-2.8	0.0	1.7	7.5
31	26+04.5	-20.1	16.0	17.3	19.0	21.6	24.5	25.4	27.0	28.5	29.6	32.6
32	25+88.1	-20.1	16.0	16.8	12.8	6.4	-2.5	-6.3	-3.9	-1.6	0.4	6.1
33	25+92.6	-20.1	16.0	17.6	19.5	21.5	24.3	23.9	25.8	28.0	29.7	32.5
34	26+01.3	-28.4	16.0	16.9	15.9	13.2	10.3	8.7	10.8	12.7	14.5	17.9
35	26+12.4	-28.4	16.0	16.8	15.8	13.7	10.7	9.5	10.7	12.4	13.6	17.5
36	25+96.0	-28.4	16.0	16.7	16.3	14.6	11.9	10.0	10.5	11.8	13.3	17.4
37	26+04.1	-28.4	16.0	16.6	15.6	12.8	9.5	8.4	10.1	12.2	13.4	17.8
38	25+88.1	-28.4	16.0	16.8	15.8	13.9	10.7	9.2	10.7	12.4	13.6	17.6
39	25+92.6	-28.4	16.0	16.8	15.8	13.9	11.3	9.5	10.3	11.8	13.0	17.1
40	25+75.0	-24.1	16.0	16.5	16.2	15.3	13.6	11.7	11.0	11.7	12.5	16.7
42	25+70.0	-24.0	16.0	16.5	15.7	13.6	7.6	4.8	6.2	6.8	7.9	11.0
43	25+70.0	-24.0	16.0	16.7	14.5	10.7	4.3	2.6	4.8	7.7	8.9	13.4
44	25+65.0	-23.1	16.0	17.0	15.8	12.5	9.9	11.5	11.8	15.3	16.5	19.2
45	25+65.0	-23.1	16.0	16.5	16.6	16.1	15.4	14.5	14.8	15.5	16.1	18.4
46	25+65.0	-23.1	16.0	18.0	21.6	28.2	35.5	40.4	44.8	37.4	47.1	50.8
47	25+60.0	-22.7	16.0	16.5	15.8	14.6	13.9	15.3	14.3	17.6	18.1	21.3
48	25+60.0	-22.7	16.0	16.9	15.6	14.8	13.0	12.5	13.9	16.4	16.4	21.7
49	25+60.0	-22.7	16.0	17.4	18.0	16.1	13.6	15.2	15.8	18.4	19.7	24.0
50	25+60.0	-22.7	16.0	17.7	18.1	16.5	12.5	15.1	15.9	20.3	20.1	25.8
51	25+50.0	-22.1	16.0	16.9	16.7	17.3	18.6	17.0	20.9	18.0	23.3	26.2
52	25+50.0	-22.1	16.0	17.1	16.7	17.0	19.7	17.7	20.5	18.4	21.4	25.5
53	25+50.0	-22.1	16.0	17.4	18.9	19.5	20.3	21.5	22.2	25.1	27.1	29.4
54	25+50.0	-22.1	16.0	17.2	18.2	17.8	19.1	21.5	22.4	23.6	23.8	28.7
55	25+40.0	-21.5	16.0	16.4	17.1	17.6	19.9	20.7	23.9	24.5	27.6	29.6
56	25+40.0	-21.5	16.0	16.6	16.8	17.8	19.0	20.5	22.2	23.9	25.3	28.6
57	25+40.0	-21.5	16.0	16.9	18.9	20.2	22.0	24.7	24.7	26.7	28.4	31.7
58	25+40.0	-21.5	16.0	16.8	18.4	20.0	22.5	24.4	25.9	27.5	29.1	32.1

	Average Piezometer Readings, Prototype Feet of Water														
5 =17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6	T=180 LC=32.4	T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=66 LC=6
6	24.4	25.1	26.0	27.7	29.0	31.9	34.5	39.6	44.5	48.6	52.7	56.3	59.5	62.3	64.6
2	10.0	8.4	10.0	11.8	13.3	17.3	21.4	28.6	35.3	41.3	46.8	51.7	56.0	59.9	63.1
0	9.8	7.1	4.2	1.8	1.0	5.9	10.4	19.1	26.6	33.5	40.0	46.4	51.7	56.4	60.3
8	25.7	27.3	27.9	30.7	30.7	34.8	36.7	43.0	46.4	50.6	54.3	58.4	61.4	64.3	66.4
	-0.4	-4.7	-2.8	0.0	1.7	7.5	11.7	20.6	28.2	34.9	41.7	48.7	54.1	59.4	63.9
6	24.5	25.4	27.0	28.5	29.6	32.6	35.6	40.7	45.3	49.6	53.9	57.4	60.6	63.3	65.9
	-2.5	-6.3	-3.9	-1.6	0.4	6.1	10.3	19.5	27.2	34.1	41.2	47.1	52.7	57.5	61.0
5	24.3	23.9	25.8	28.0	29.7	32.5	35.6	41.3	47.3	52.3	57.4	62.9	63.9	64.2	64.8
2	10.3	8.7	10.8	12.7	14.5	17.9	22.4	29.5	36.0	42.1	47.4	52.2	56.3	59.9	63.3
7	10.7	9.5	10.7	12.4	13.6	17.5	20.7	27.9	34.3	40.3	45.6	50.5	55.0	58.7	62.4
5	11.9	10.0	10.5	11.8	13.3	17.4	20.8	28.2	34.8	40.5	46.4	51.0	55.6	59.1	62.6
8	9.5	8.4	10.1	12.2	13.4	17.8	21.5	28.6	35.1	40.9	46.5	51.1	55.4	59.2	62.6
9	10.7	9.2	10.7	12.4	13.6	17.6	21.1	27.8	34.5	40.4	46.1	51.1	55.5	59.5	63.1
9	11.3	9.5	10.3	11.8	13.0	17.1	21.0	27.6	31.5	35.6	41.6	46.6	51.4	55.4	59.2
8	13.6	11.7	11.0	11.7	12.5	16.7	19.9	27.0	34.2	40.0	45.7	50.3	54.8	58.9	62.3
6	7.6	4.8	6.2	6.8	7.9	11.0	16.0	23.8	31.7	37.7	43.7	49.3	53.9	58.2	61.8
7	4.3	2.6	4.8	7.7	8.9	13.4	16.9	24.1	30.4	37.7	43.9	50.0	54.0	58.4	62.3
5	9.9	11.5	11.8	15.3	16.5	19.2	24.5	31.5	36.5	39.7	46.7	51.8	56.3	60.3	63.4
1	15.4	14.5	14.8	15.5	16.1	18.4	20.4	24.9	30.2	35.5	41.0	46.0	50.4	54.6	58.6
2	35.5	40.4	44.8	37.4	47.1	50.8	51.0	46.3	56.0	57.3	61.0	64.6	65.8	66.7	68.4
6	13.9	15.3	14.3	17.6	18.1	21.3	25.7	32.1	38.2	43.8	49.2	53.4	57.2	61.2	64.0
8	13.0	12.5	13.9	16.4	16.4	21.7	26.8	31.9	39.0	43.6	49.6	53.3	58.3	62.1	64.7
1	13.6	15.2	15.8	18.4	19.7	24.0	27.3	33.0	39.3	44.8	49.5	54.0	58.1	61.6	64.3
5	12.5	15.1	15.9	20.3	20.1	25.8	29.8	32.5	39.6	46.0	51.9	56.1	61.2	63.7	64.4
8	18.6	17.0	20.9	18.0	23.3	26.2	32.4	40.3	42.3	44.3	48.7	53.6	57.1	60.0	63.8
0	19.7	17.7	20.5	18.4	21.4	25.5	29.0	34.9	41.7	44.8	49.2	54.6	58.3	61.5	64.4
6	20.3	21.5	22.2	25.1	27.1	29.4	32.1	37.9	43.8	48.1	52.4	56.6	60.1	62.8	65.7
8	19.1	21.5	22.4	23.6	23.8	28.7	31.2	38.9	42.3	48.0	53.0	56.1	59.6	63.5	65.2
6	19.9	20.7	23.9	24.5	27.6	29.6	31.9	38.1	44.7	47.7	51.8	55.9	59.4	62.4	65.3
8	19.0	20.5	22.2	23.9	25.3	28.6	30.9	37.7	43.1	47.5	51.7	56.6	59.3	62.4	65.2
2	22.0	24.7	24.7	26.7	28.4	31.7	34.6	40.0	44.7	49.5	53.8	57.1	60.3	63.5	65.7
0	22.5	24.4	25.9	27.5	29.1	32.1	35.1	40.1	44.7	49.6	53.2	56.7	60.3	63.0	65.6

erage Piezometer Readings, Prototype Feet of Water

T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=660 LC=65.2	T=720 LC=67.3	T=780 LC=69.2	T=840 LC=70.5	T=900 LC=72.3	T=1020 LC=73.7	T=1260 LC=74.0
39.6	44.5	48.6	52.7	56.3	59.5	62.3	64.6	66.8	68.5	70.2	71.4	73.3	74.0
28.6	35.3	41.3	46.8	51.7	56.0	59.9	63.1	66.0	68.3	70.4	71.9	73.9	74.0
19.1	26.6	33.5	40.0	46.4	51.7	56.4	60.3	64.0	66.7	69.3	71.2	73.6	74.0
43.0	46.4	50.6	54.3	58.4	61.4	64.3	66.4	68.5	70.0	71.7	72.6	74.0	74.0
20.6	28.2	34.9	41.7	48.7	54.1	59.4	63.9	67.6	69.2	70.3	71.9	73.1	74.0
40.7	45.3	49.6	53.9	57.4	60.6	63.3	65.9	67.9	69.9	71.2	72.7	73.9	74.0
19.5	27.2	34.1	41.2	47.1	52.7	57.5	61.0	64.3	66.6	68.6	70.2	72.7	74.0
41.3	47.3	52.3	57.4	62.9	63.9	64.2	64.8	66.1	67.9	69.2	71.1	72.6	74.0
29.5	36.0	42.1	47.4	52.2	56.3	59.9	63.3	66.1	68.4	70.7	71.8	73.6	74.0
27.9	34.3	40.3	45.6	50.5	55.0	58.7	62.4	65.3	67.7	69.8	71.3	73.5	74.0
28.2	34.8	40.5	46.4	51.0	55.6	59.1	62.6	65.5	68.2	69.7	71.4	73.7	74.0
28.6	35.1	40.9	46.5	51.1	55.4	59.2	62.6	65.4	67.6	69.9	71.2	73.2	74.0
27.8	34.5	40.4	46.1	51.1	55.5	59.5	63.1	66.0	68.1	70.3	71.9	73.8	74.0
27.6	31.5	35.6	41.6	46.6	51.4	55.4	59.2	62.2	65.1	67.3	69.3	72.2	74.0
27.0	34.2	40.0	45.7	50.3	54.8	58.9	62.3	65.1	67.6	69.7	71.4	73.5	74.0
23.8	31.7	37.7	43.7	49.3	53.9	58.2	61.8	64.6	67.5	69.4	71.1	73.5	74.0
24.1	30.4	37.7	43.9	50.0	54.0	58.4	62.3	64.8	67.9	69.8	71.1	73.5	74.0
31.5	36.5	39.7	46.7	51.8	56.3	60.3	63.4	65.9	68.2	70.2	71.7	73.7	74.0
24.9	30.2	35.5	41.0	46.0	50.4	54.6	58.6	61.8	64.9	67.3	69.7	72.2	74.0
46.3	56.0	57.3	61.0	64.6	65.8	66.7	68.4	70.5	71.6	72.4	73.3	74.1	74.0
32.1	38.2	43.8	49.2	53.4	57.2	61.2	64.0	67.0	69.1	70.7	72.1	73.9	74.0
31.9	39.0	43.6	49.6	53.3	58.3	62.1	64.7	67.8	69.8	71.2	72.5	74.4	74.0
33.0	39.3	44.8	49.5	54.0	58.1	61.6	64.3	66.7	69.1	70.4	72.3	73.9	74.0
32.5	39.6	46.0	51.9	56.1	61.2	63.7	64.4	65.8	68.0	70.0	71.5	73.5	74.0
40.3	42.3	44.3	48.7	53.6	57.1	60.0	63.8	66.3	68.5	70.4	71.6	73.5	74.0
34.9	41.7	44.8	49.2	54.6	58.3	61.5	64.4	66.9	69.1	70.9	72.3	73.9	74.0
37.9	43.8	48.1	52.4	56.6	60.1	62.8	65.7	67.8	69.5	71.1	72.4	73.9	74.0
38.9	42.3	48.0	53.0	56.1	59.6	63.5	65.2	67.0	69.4	71.1	72.3	73.7	74.0
38.1	44.7	47.7	51.8	55.9	59.4	62.4	65.3	67.5	69.5	71.0	72.2	73.7	74.0
37.7	43.1	47.5	51.7	56.6	59.3	62.4	65.2	67.2	69.6	71.1	72.4	73.9	74.0
40.0	44.7	49.5	53.8	57.1	60.3	63.5	65.7	67.9	69.8	71.6	72.4	74.2	74.0
40.1	44.7	49.6	53.2	56.7	60.3	63.0	65.6	67.5	69.4	71.0	72.1	73.5	74.0

Table A26 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.4	T=30 LC=16.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=1 LC=
59	25+30.0	-20.9	16.0	16.8	17.5	18.8	20.6	22.1	24.2	25.8	28.6	30.5
60	25+30.0	-20.9	16.0	16.6	16.9	17.2	19.2	20.1	22.0	23.6	25.6	28.6
61	25+30.0	-20.9	16.0	16.9	18.2	20.2	21.1	22.7	23.6	25.9	27.6	31.1
62	25+30.0	-20.9	16.0	17.0	18.9	21.8	24.6	26.5	28.1	29.9	31.0	34.6
63	25+25.0	-20.6	16.0	17.0	17.7	19.6	21.8	24.5	25.7	28.1	29.6	32.4
64	25+25.0	-20.6	16.0	16.2	16.4	16.9	18.3	19.1	21.2	22.5	24.4	27.2
65	25+25.0	-20.6	16.0	16.5	17.4	17.4	8.9	12.1	13.3	15.3	16.5	20.3
66	25+25.0	-20.6	16.0	16.2	17.2	19.1	22.7	25.9	27.8	29.7	31.2	33.8
68	25+23.0	-20.6	16.0	16.3	16.5	17.5	18.8	20.8	22.7	24.0	25.5	28.9
69	25+23.0	-20.6	16.0	16.4	17.9	18.6	18.9	19.4	21.6	24.0	25.3	29.3
70	25+23.0	-20.6	16.0	16.4	19.1	22.4	26.4	29.1	31.2	32.5	33.6	36.9
71	25+10.2	-24.25	16.0	16.3	18.0	20.0	23.6	25.6	27.3	28.8	30.8	33.2
71A	25+10.2	-24.25	16.0	16.9	17.2	18.1	19.3	20.9	22.8	24.5	26.3	30.1
72	25+00.2	-24.25	16.0	16.7	19.1	22.8	27.8	30.2	32.0	32.9	34.7	37.0
73	24+90.2	-24.25	16.0	16.6	19.1	23.1	28.9	31.9	33.7	34.7	36.2	38.8
74	24+80.2	-24.25	16.0	16.4	18.7	22.8	28.8	32.5	33.8	35.3	36.7	39.6
75	24+70.2	-24.25	16.0	16.2	19.0	24.0	30.9	34.9	36.7	38.0	39.2	41.4
76	24+60.2	-24.25	16.0	16.5	19.5	24.7	32.4	36.3	38.3	39.5	40.4	42.8
77	24+50.2	-24.25	16.0	16.3	19.3	24.9	32.7	37.2	39.1	40.7	41.4	43.6
78	24+40.2	-24.25	16.0	16.1	18.9	24.9	32.9	37.8	39.7	41.3	42.2	44.2
79	24+30.2	-24.25	16.0	16.1	19.3	25.5	33.7	38.1	40.4	41.7	42.8	44.7
79A	24+30.2	-24.25	16.0	16.0	17.5	19.1	21.6	23.5	25.3	26.8	28.5	31.6
80	26+17.0	-28.4	16.0	17.2	15.9	12.6	7.6	3.7	2.3	2.6	5.8	9.7
81	26+06.0	-28.4	16.0	18.4	19.7	22.6	25.2	25.9	27.4	28.3	29.6	32.3
82	26+22.4	-28.4	16.0	17.4	14.6	9.3	2.7	-0.3	1.3	3.3	6.3	10.3
83	26+13.9	-28.4	16.0	17.9	19.1	20.9	24.8	24.9	26.4	27.1	28.7	32.3
84	26+30.3	-28.4	16.0	16.8	14.6	9.4	3.6	-0.5	0.5	2.8	5.0	9.3
85	26+25.7	-28.4	16.0	17.3	18.4	19.9	22.6	22.2	23.8	25.2	26.6	29.3
86	26+17.0	-20.1	16.0	16.7	15.8	13.4	8.5	6.3	8.3	10.0	11.3	15.7
87	26+06.0	-20.1	16.0	16.7	15.6	13.1	10.0	8.3	10.8	12.5	14.1	18.2
88	26+22.4	-20.1	16.0	16.7	15.6	12.9	10.0	8.6	10.7	12.8	13.8	18.2
89	26+13.9	-20.1	16.0	17.2	15.9	13.1	10.3	8.6	10.2	12.4	14.0	18.2

Average Piezometer Readings, Prototype Feet of Water

=30 C=16.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6	T=180 LC=32.4	T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=60 LC=
7.5	18.8	20.6	22.1	24.2	25.8	28.6	30.5	33.4	38.9	44.3	49.3	53.8	57.4	60.5	63.4
6.9	17.2	19.2	20.1	22.0	23.6	25.6	28.6	31.1	37.1	42.2	47.1	52.0	56.2	59.6	62.9
8.2	20.2	21.1	22.7	23.6	25.9	27.6	31.1	33.6	39.6	45.3	50.0	54.6	58.2	61.2	63.5
8.9	21.8	24.6	26.5	28.1	29.9	31.0	34.6	37.1	42.0	46.6	51.4	54.7	58.0	61.5	63.9
7.7	19.6	21.8	24.5	25.7	28.1	29.6	32.4	35.5	40.5	45.6	50.0	54.0	57.6	61.1	63.6
6.4	16.9	18.3	19.1	21.2	22.5	24.4	27.2	30.7	36.4	42.1	46.7	51.0	54.7	58.6	61.9
7.4	17.4	8.9	12.1	13.3	15.3	16.5	20.3	23.6	29.7	36.6	41.9	47.5	52.0	56.2	59.8
7.2	19.1	22.7	25.9	27.8	29.7	31.2	33.8	36.6	41.3	45.5	49.9	54.0	57.4	60.1	62.8
6.5	17.5	18.8	20.8	22.7	24.0	25.5	28.9	32.2	38.2	43.2	47.9	52.3	56.0	59.2	62.5
7.9	18.6	18.9	19.4	21.6	24.0	25.3	29.3	32.4	38.0	43.4	48.2	52.7	56.3	60.1	63.1
9.1	22.4	26.4	29.1	31.2	32.5	33.6	36.9	39.3	43.4	48.6	52.2	55.8	59.1	62.2	64.5
8.0	20.0	23.6	25.6	27.3	28.8	30.8	33.2	36.1	40.9	45.5	49.5	53.3	56.8	59.9	62.6
7.2	18.1	19.3	20.9	22.8	24.5	26.3	30.1	32.6	37.9	43.0	48.0	52.3	55.9	59.6	62.3
9.1	22.8	27.8	30.2	32.0	32.9	34.7	37.0	39.3	44.4	48.8	52.7	56.0	59.0	62.1	64.6
9.1	23.1	28.9	31.9	33.7	34.7	36.2	38.8	41.4	45.6	49.7	53.8	57.1	60.4	62.5	64.9
8.7	22.8	28.8	32.5	33.8	35.3	36.7	39.6	41.9	46.0	50.4	54.1	57.1	60.0	62.5	65.2
9.0	24.0	30.9	34.9	36.7	38.0	39.2	41.4	43.6	47.8	51.8	54.9	58.4	60.8	63.7	66.0
9.5	24.7	32.4	36.3	38.3	39.5	40.4	42.8	44.9	49.0	52.6	55.9	58.6	61.3	64.1	66.2
9.3	24.9	32.7	37.2	39.1	40.7	41.4	43.6	45.7	49.5	53.4	56.2	59.3	61.8	64.2	66.3
8.9	24.9	32.9	37.8	39.7	41.3	42.2	44.2	46.5	50.1	53.8	56.7	59.8	62.3	64.5	66.6
9.3	25.5	33.7	38.1	40.4	41.7	42.8	44.7	46.5	50.7	53.9	56.7	60.0	62.3	64.8	66.5
7.5	19.1	21.6	23.5	25.3	26.8	28.5	31.6	34.4	39.8	44.7	49.3	53.4	57.0	60.3	63.2
5.9	12.6	7.6	3.7	2.3	2.6	5.8	9.7	14.1	22.6	30.3	36.9	43.0	48.8	53.8	57.9
9.7	22.6	25.2	25.9	27.4	28.3	29.6	32.3	34.9	41.1	45.1	49.2	53.5	57.1	60.3	63.5
4.6	9.3	2.7	-0.3	1.3	3.3	6.3	10.3	15.1	22.9	29.9	36.5	43.4	48.9	54.1	58.2
9.1	20.9	24.8	24.9	26.4	27.1	28.7	32.3	35.4	40.6	45.7	49.5	53.1	56.2	60.1	63.1
4.6	9.4	3.6	-0.5	0.5	2.8	5.0	9.3	13.9	21.6	28.9	36.1	42.7	47.7	53.4	57.9
8.4	19.9	22.6	22.2	23.8	25.2	26.6	29.3	32.3	38.2	44.3	48.8	52.9	56.3	59.9	63.0
5.8	13.4	8.5	6.3	8.3	10.0	11.3	15.7	19.4	27.0	33.6	40.0	46.0	50.9	56.3	59.6
5.6	13.1	10.0	8.3	10.8	12.5	14.1	18.2	21.9	28.8	35.6	41.3	47.1	51.7	56.0	59.9
5.6	12.9	10.0	8.6	10.7	12.8	13.8	18.2	21.7	28.6	35.5	41.5	47.1	51.7	56.0	60.0
5.9	13.1	10.3	8.6	10.2	12.4	14.0	18.2	20.8	29.0	35.4	41.0	46.5	50.5	55.5	58.3

age Piezometer Readings, Prototype Feet of Water

T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=660 LC=65.2	T=720 LC=67.3	T=780 LC=69.2	T=840 LC=70.5	T=900 LC=72.3	T=1020 LC=73.7	T=1260 LC=74.0
38.9	44.3	49.3	53.8	57.4	60.5	63.4	65.8	67.9	69.6	71.3	72.2	73.9	74.0
37.1	42.2	47.1	52.0	56.2	59.6	62.9	65.3	67.5	69.4	71.0	72.2	73.8	74.0
39.6	45.3	50.0	54.6	58.2	61.2	63.5	65.8	67.9	69.6	70.9	72.2	73.7	74.0
42.0	46.6	51.4	54.7	58.0	61.5	63.9	66.6	68.5	70.6	71.8	72.9	73.9	74.0
40.5	45.6	50.0	54.0	57.6	61.1	63.6	66.1	68.2	70.0	71.6	72.7	74.2	74.0
36.4	42.1	46.7	51.0	54.7	58.6	61.9	64.6	67.2	69.0	70.5	72.0	73.4	74.0
29.7	36.6	41.9	47.5	52.0	56.2	59.8	63.5	66.2	68.9	70.2	71.5	73.8	74.0
41.3	45.5	49.9	54.0	57.4	60.1	62.8	65.6	67.8	69.3	70.8	71.8	73.5	74.0
38.2	43.2	47.9	52.3	56.0	59.2	62.5	64.8	67.3	69.0	71.0	72.1	73.4	74.0
38.0	43.4	48.2	52.7	56.3	60.1	63.1	65.8	67.8	69.9	71.0	72.7	74.0	74.0
43.4	48.6	52.2	55.8	59.1	62.2	64.5	66.7	68.8	70.4	71.8	72.6	74.0	74.0
40.9	45.5	49.5	53.3	56.8	59.9	62.6	64.6	67.0	68.8	70.1	71.5	73.1	74.0
37.9	43.0	48.0	52.3	55.9	59.6	62.3	65.6	67.5	69.2	70.9	72.4	73.9	74.0
44.4	48.8	52.7	56.0	59.0	62.1	64.6	66.5	68.5	70.2	71.6	72.7	73.8	74.0
45.6	49.7	53.8	57.1	60.4	62.5	64.9	67.1	69.1	70.7	72.0	72.8	73.9	74.0
46.0	50.4	54.1	57.1	60.0	62.5	65.2	67.0	68.9	70.5	71.6	72.9	73.6	74.0
47.8	51.8	54.9	58.4	60.8	63.7	66.0	67.7	69.5	71.0	71.9	73.1	74.1	74.0
49.0	52.6	55.9	58.6	61.3	64.1	66.2	67.9	69.7	71.2	72.2	73.1	74.1	74.0
49.5	53.4	56.2	59.3	61.8	64.2	66.3	68.0	69.8	70.7	72.1	73.0	73.9	74.0
50.1	53.8	56.7	59.8	62.3	64.5	66.6	68.5	70.1	71.5	72.5	73.5	74.4	74.0
50.7	53.9	56.7	60.0	62.3	64.8	66.5	68.3	69.8	71.5	72.2	72.9	74.1	74.0
39.8	44.7	49.3	53.4	57.0	60.3	63.2	65.7	67.8	69.7	71.1	72.4	73.5	74.0
22.6	30.3	36.9	43.0	48.8	53.8	57.9	62.0	64.9	67.7	69.9	71.5	73.6	74.0
41.1	45.1	49.2	53.5	57.1	60.3	63.5	65.9	68.0	69.8	71.1	72.3	73.7	74.0
22.9	29.9	36.5	43.4	48.9	54.1	58.2	61.9	64.9	67.5	69.6	71.3	73.7	74.0
40.6	45.7	49.5	53.1	56.2	60.1	63.1	65.7	67.9	69.4	71.2	72.5	73.9	74.0
21.6	28.9	36.1	42.7	47.7	53.4	57.9	61.4	64.5	67.5	69.8	71.4	73.8	74.0
38.2	44.3	48.8	52.9	56.3	59.9	63.0	65.7	67.4	69.5	71.0	72.2	73.8	74.0
27.0	33.6	40.0	46.0	50.9	56.3	59.6	63.0	65.8	68.0	70.3	71.8	73.5	74.0
28.8	35.6	41.3	47.1	51.7	56.0	59.9	63.2	65.9	68.4	70.1	71.7	73.7	74.0
28.6	35.5	41.5	47.1	51.7	56.0	60.0	63.0	66.2	68.5	70.3	72.0	73.8	74.0
29.0	35.4	41.0	46.5	50.5	55.5	58.3	61.9	65.4	68.0	69.9	71.6	73.8	74.0

Table A26 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.4	T=30 LC=16.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6
90	26+30.3	-20.1	16.0	16.5	15.8	13.3	10.4	8.9	10.7	12.2	13.8	18.2
91	26+25.7	-20.1	16.0	16.7	16.3	13.7	10.5	9.0	10.5	12.3	13.8	18.3
92	26+43.3	-24.1	16.0	16.9	15.8	13.4	10.2	8.7	10.0	12.1	14.7	18.2
93	26+43.3	-24.1	16.0	16.7	16.0	10.3	7.7	5.2	5.8	10.1	10.0	18.2
94	26+48.3	-24.0	16.0	16.7	15.4	12.1	12.6	10.6	7.1	10.8	10.2	18.8
95	26+48.3	-24.0	16.0	16.8	15.2	12.6	7.6	4.5	8.0	9.4	12.1	17.4
96	26+53.3	-23.1	16.0	16.3	16.1	15.9	16.1	15.4	17.9	20.5	23.1	24.8
97	26+53.3	-23.1	16.0	16.6	16.1	13.0	8.5	10.3	8.3	16.9	17.7	18.4
98	26+53.3	-23.1	16.0	17.2	20.1	26.6	34.7	35.8	41.3	43.3	39.2	43.9
99	26+58.3	-22.7	16.0	16.7	16.3	16.4	17.8	14.9	18.2	16.7	18.9	23.1
100	26+58.3	-22.7	16.0	16.5	16.3	15.0	15.1	15.8	11.2	16.3	20.4	19.8
101	26+58.3	-22.7	16.0	16.9	16.0	16.1	12.9	13.5	17.3	16.8	17.7	23.4
102	26+58.3	-22.7	16.0	17.1	15.7	16.4	14.6	14.2	19.1	14.4	16.4	25.0
103	26+68.3	-22.1	16.0	16.8	16.5	17.5	18.0	16.7	19.8	19.8	22.3	26.4
104	26+68.3	-22.1	16.0	16.3	16.3	17.2	17.9	14.2	19.1	19.0	22.5	25.9
105	26+68.3	-22.1	16.0	17.0	17.8	18.1	17.6	19.4	20.8	23.8	23.6	26.5
106	26+68.3	-22.1	16.0	16.9	17.5	17.7	19.5	19.5	24.6	21.9	23.3	24.5
107	26+78.3	-21.5	16.0	16.9	17.2	18.4	19.4	21.4	23.0	24.1	24.8	29.0
108	26+78.3	-21.5	16.0	16.3	16.9	17.3	18.2	14.9	20.1	21.7	23.2	26.5
109	26+78.3	-21.5	16.0	17.0	18.3	17.7	22.9	21.9	25.1	26.5	28.4	30.6
110	26+78.3	-21.5	16.0	16.6	17.5	19.1	20.9	21.1	23.2	25.7	25.5	28.3
111	26+88.3	-20.9	16.0	15.8	16.1	16.5	17.7	19.0	20.1	21.7	23.3	27.2
112	26+88.3	-20.9	16.0	16.8	17.0	18.9	18.7	20.8	23.2	24.8	23.8	28.7
113	26+88.3	-20.9	16.0	16.8	17.8	18.7	20.6	20.9	23.1	25.9	27.7	29.9
114	26+88.3	-20.9	16.0	17.0	18.3	20.2	23.2	24.8	27.6	28.6	30.3	32.3
115	26+93.3	-20.6	16.0	16.6	17.6	19.8	22.2	24.7	25.9	27.6	27.4	32.4
116	26+93.3	-20.6	16.0	16.6	16.5	18.2	18.5	20.9	22.3	24.5	23.7	28.8
117	26+93.3	-20.6	16.0	16.4	17.0	16.9	17.4	16.8	20.3	21.9	23.5	27.4
118	26+93.3	-20.6	16.0	16.3	17.5	19.3	22.1	25.0	27.3	28.6	30.5	33.0
119	26+95.3	-20.6	16.0	16.7	17.2	18.3	20.8	23.2	24.2	26.4	27.1	30.5
120	26+95.3	-20.6	16.0	16.7	16.8	17.6	18.5	19.7	21.0	22.7	23.8	26.9

Average Piezometer Readings, Prototype Feet of Water

8.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6	T=180 LC=32.4	T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5
	13.3	10.4	8.9	10.7	12.2	13.8	18.2	23.4	28.8	35.5	41.9	47.9	53.5	57.1	62.4
	13.7	10.5	9.0	10.5	12.3	13.8	18.3	22.2	28.9	35.5	41.9	47.4	52.8	56.7	61.2
	13.4	10.2	8.7	10.0	12.1	14.7	18.2	21.5	28.5	35.3	41.2	47.0	52.0	56.1	60.1
	10.3	7.7	5.2	5.8	10.1	10.0	18.2	21.7	26.7	34.3	39.9	46.7	52.1	58.1	59.7
	12.1	12.6	10.6	7.1	10.8	10.2	18.8	16.1	27.1	32.8	41.8	48.7	51.1	56.6	59.3
	12.6	7.6	4.5	8.0	9.4	12.1	17.4	21.2	28.0	34.6	40.8	46.4	52.3	55.9	60.5
	15.9	16.1	15.4	17.9	20.5	23.1	24.8	27.6	33.8	39.5	44.3	48.6	53.0	56.6	60.7
	13.0	8.5	10.3	8.3	16.9	17.7	18.4	20.3	33.6	35.2	44.5	48.1	54.5	56.3	58.0
	26.6	34.7	35.8	41.3	43.3	39.2	43.9	46.5	50.5	55.0	54.4	58.6	62.6	63.9	65.8
	16.4	17.8	14.9	18.2	16.7	18.9	23.1	28.0	34.2	39.2	46.2	50.0	53.8	58.0	61.1
	15.0	15.1	15.8	11.2	16.3	20.4	19.8	23.8	34.1	38.5	44.5	47.8	53.6	56.4	59.4
	16.1	12.9	13.5	17.3	16.8	17.7	23.4	25.8	32.9	39.8	43.8	50.8	52.9	57.9	61.3
	16.4	14.6	14.2	19.1	14.4	16.4	25.0	24.5	29.4	39.2	43.3	53.7	51.8	58.7	59.1
	17.5	18.0	16.7	19.8	19.8	22.3	26.4	31.0	37.1	40.6	46.9	51.2	55.2	58.8	62.2
	17.2	17.9	14.2	19.1	19.0	22.5	25.9	30.3	34.5	39.2	45.9	50.9	56.9	59.3	61.9
	18.1	17.6	19.4	20.8	23.8	23.6	26.5	31.3	37.1	41.3	47.8	51.2	55.6	58.9	62.6
	17.7	19.5	19.5	24.6	21.9	23.3	24.5	30.8	36.7	41.5	47.1	51.1	56.1	59.5	62.4
	18.4	19.4	21.4	23.0	24.1	24.8	29.0	31.7	37.1	42.7	47.7	52.5	56.2	59.8	62.4
	17.3	18.2	14.9	20.1	21.7	23.2	26.5	29.0	35.2	40.0	44.9	49.6	53.8	57.4	60.6
	17.7	22.9	21.9	25.1	26.5	28.4	30.6	34.2	39.4	43.8	48.6	52.8	56.9	59.8	62.8
	19.1	20.9	21.1	23.2	25.7	25.5	28.3	31.3	36.7	41.6	47.0	50.9	55.5	58.7	62.1
	16.5	17.7	19.0	20.1	21.7	23.3	27.2	29.8	36.3	41.5	46.4	50.7	54.9	58.4	61.6
	18.9	18.7	20.8	23.2	24.8	23.8	28.7	32.2	37.1	44.0	47.4	51.8	56.0	59.7	62.3
	18.7	20.6	20.9	23.1	25.9	27.7	29.9	32.3	39.2	43.2	48.5	52.5	56.3	59.8	62.8
	20.2	23.2	24.8	27.6	28.6	30.3	32.3	35.6	41.1	45.9	50.1	54.1	58.0	60.6	63.5
	19.8	22.2	24.7	25.9	27.6	27.4	32.4	34.6	39.9	44.3	49.3	53.5	57.1	60.0	62.6
	18.2	18.5	20.9	22.3	24.5	23.7	28.8	30.8	36.9	43.4	47.7	51.3	55.9	59.6	62.3
	16.9	17.4	16.8	20.3	21.9	23.5	27.4	31.0	36.6	41.7	47.0	51.5	56.0	59.3	62.2
	19.3	22.1	25.0	27.3	28.6	30.5	33.0	35.7	40.6	45.1	49.2	52.9	56.8	59.6	62.3
	18.3	20.8	23.2	24.2	26.4	27.1	30.5	33.9	39.1	44.5	49.7	54.5	56.3	58.9	61.4
	17.6	18.5	19.7	21.0	22.7	23.8	26.9	29.1	34.8	39.7	44.4	48.9	53.1	56.8	60.5

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=660 LC=65.2	T=720 LC=67.3	T=780 LC=69.2	T=840 LC=70.5	T=900 LC=72.3	T=1020 LC=73.7	T=1260 LC=74.0
28.8	35.5	41.9	47.9	53.5	57.1	62.4	65.1	67.0	69.2	70.9	72.3	73.7	74.0
28.9	35.5	41.9	47.4	52.8	56.7	61.2	64.3	66.6	69.0	70.7	72.2	73.9	74.0
28.5	35.3	41.2	47.0	52.0	56.1	60.1	63.3	66.1	68.3	70.7	72.0	74.1	74.0
26.7	34.3	39.9	46.7	52.1	58.1	59.7	63.2	66.0	68.5	70.4	72.2	73.8	74.0
27.1	32.8	41.8	48.7	51.1	56.6	59.3	63.9	65.9	68.4	70.0	71.9	73.9	74.0
28.0	34.6	40.8	46.4	52.3	55.9	60.5	62.8	65.6	68.6	70.2	71.9	73.9	74.0
33.8	39.5	44.3	48.6	53.0	56.6	60.7	63.5	66.0	68.3	70.2	71.7	73.5	74.0
33.6	35.2	44.5	48.1	54.5	56.3	58.0	63.2	66.1	68.6	70.2	71.8	73.5	74.0
50.5	55.0	54.4	58.6	62.6	63.9	65.8	68.0	69.4	70.7	71.9	73.1	73.9	74.0
34.2	39.2	46.2	50.0	53.8	58.0	61.1	64.0	66.5	68.6	70.6	72.2	73.8	74.0
34.1	38.5	44.5	47.8	53.6	56.4	59.4	63.3	66.4	68.3	70.2	71.5	73.4	74.0
32.9	39.8	43.8	50.8	52.9	57.9	61.3	64.4	66.7	68.7	70.8	72.0	73.7	74.0
29.4	39.2	43.3	53.7	51.8	58.7	59.1	64.8	66.7	68.9	70.8	72.5	73.9	74.0
37.1	40.6	46.9	51.2	55.2	58.8	62.2	65.0	67.2	69.3	70.8	72.3	73.7	74.0
34.5	39.2	45.9	50.9	56.9	59.3	61.9	63.7	65.6	67.6	69.2	70.9	73.0	74.0
37.1	41.3	47.8	51.2	55.6	58.9	62.6	64.8	67.2	69.4	71.2	72.3	73.9	74.0
36.7	41.5	47.1	51.1	56.1	59.5	62.4	65.5	67.1	69.5	71.1	72.6	73.9	74.0
37.1	42.7	47.7	52.5	56.2	59.8	62.4	65.5	67.5	69.3	70.7	71.9	73.4	74.0
35.2	40.0	44.9	49.6	53.8	57.4	60.6	63.4	65.9	68.4	70.0	71.7	73.5	74.0
39.4	43.8	48.6	52.8	56.9	59.8	62.8	65.6	67.5	69.6	71.0	72.1	73.5	74.0
36.7	41.6	47.0	50.9	55.5	58.7	62.1	64.5	67.1	68.9	70.7	71.9	73.8	74.0
36.3	41.5	46.4	50.7	54.9	58.4	61.6	64.4	67.0	68.9	70.6	71.9	73.5	74.0
37.1	44.0	47.4	51.8	56.0	59.7	62.3	65.4	67.5	69.3	71.2	72.3	74.0	74.0
39.2	43.2	48.5	52.5	56.3	59.8	62.8	65.3	67.7	69.7	71.3	72.5	74.0	74.0
41.1	45.9	50.1	54.1	58.0	60.6	63.5	65.9	68.3	69.8	71.1	72.3	74.0	74.0
39.9	44.3	49.3	53.5	57.1	60.0	62.6	65.5	67.9	69.3	71.0	72.2	73.6	74.0
36.9	43.4	47.7	51.3	55.9	59.6	62.3	65.4	67.5	69.2	71.1	72.4	73.9	74.0
36.6	41.7	47.0	51.5	56.0	59.3	62.2	65.0	67.4	69.4	71.2	72.5	73.6	74.0
40.6	45.1	49.2	52.9	56.8	59.6	62.3	65.2	67.1	69.1	70.6	71.8	73.2	74.0
39.1	44.5	49.7	54.5	56.3	58.9	61.4	64.3	66.6	68.4	70.0	71.4	73.4	74.0
34.8	39.7	44.4	48.9	53.1	56.8	60.5	63.3	66.5	68.3	70.3	71.6	73.6	74.0

Table A26 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.4	T=30 LC=16.6	T=45 LC=17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28
121	26+95.3	-20.6	16.0	16.3	16.5	16.7	17.7	18.0	20.1	21.8	23.1	26.6
122	26+95.3	-20.6	16.0	16.9	18.9	20.4	24.5	26.7	29.5	29.4	32.4	34.2
123	27+08.1	-24.25	16.0	16.9	17.8	19.9	22.5	24.3	26.3	27.6	28.9	32.0
123A	27+08.1	-24.25	16.0	16.5	17.5	18.6	20.5	22.2	23.8	25.4	26.8	30.5
124	27+18.1	-24.25	16.0	16.2	18.4	21.3	25.2	26.5	28.5	30.2	31.6	33.5
125	27+28.1	-24.25	16.0	16.4	18.6	21.6	26.4	29.0	30.4	31.9	33.4	35.7
126	27+38.1	-24.25	16.0	16.2	18.2	21.6	26.7	29.1	30.4	31.8	33.9	36.4
127	27+48.1	-24.25	16.0	16.6	17.9	20.8	25.5	28.6	30.0	31.7	33.0	35.2
128	27+58.1	-24.25	16.0	16.4	17.8	21.3	26.4	29.8	30.6	32.2	33.6	36.1
129	27+68.1	-24.25	16.0	16.3	18.4	22.3	28.1	31.8	33.2	34.0	35.4	38.2
130	27+78.1	-24.25	16.0	16.4	18.6	22.6	28.9	32.5	33.7	34.9	36.0	39.1
131	27+88.1	-24.25	16.0	15.9	18.2	22.1	28.6	32.5	33.8	35.1	36.0	38.9
131A	27+88.1	-24.25	16.0	16.0	17.4	19.4	22.4	24.6	26.1	27.5	28.9	31.7
132	26+14.0	-24.25	16.0	19.2	23.8	28.6	36.0	40.1	41.3	42.0	44.4	46.0
133	26+22.5	-24.25	16.0	19.1	23.9	27.4	35.8	39.0	39.6	41.1	42.3	43.8
134	26+70.0	-17.0	16.0	19.7	24.5	29.9	36.7	39.8	40.3	41.9	43.5	44.5
134A	26+70.0	-17.0	16.0	16.7	15.9	13.4	10.5	8.4	10.6	12.0	14.5	18.3
135	27+85.0	-17.0	16.0	19.5	22.9	29.4	35.9	37.9	38.6	40.9	41.7	44.1
135A	27+85.0	-17.0	16.0	16.7	16.6	13.6	10.8	8.6	10.6	12.3	14.3	18.1
136	28+60.0	-18.0	16.0	20.4	23.3	31.0	38.2	40.7	41.4	43.1	44.0	46.5
136A	28+60.0	-18.0	16.0	16.9	16.2	13.4	10.2	8.2	10.8	12.4	14.7	18.0
137	28+72.0	-18.0	16.0	18.9	22.0	28.6	35.6	38.8	39.0	41.1	41.8	44.0
137A	28+72.0	-18.0	16.0	17.3	16.8	13.6	10.4	8.5	11.0	12.5	14.8	18.4
161	22+57.6	-24.0	16.0	14.2	14.6	17.4	41.9	41.0	41.4	42.6	43.3	45.5
162	22+57.6	-26.4	16.0	13.7	14.6	20.7	43.1	41.9	42.1	43.3	44.4	46.5
163	22+60.6	-24.0	16.0	15.3	13.7	18.4	43.4	42.4	42.8	43.9	44.4	46.9
164	22+60.6	-26.4	16.0	14.7	13.4	22.4	44.2	42.7	43.3	44.3	45.1	47.2

Average Piezometer Readings, Prototype Feet of Water

45 =17.4	T=60 LC=18.9	T=75 LC=20.3	T=90 LC=22.4	T=105 LC=23.7	T=120 LC=25.5	T=150 LC=28.6	T=180 LC=32.4	T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=66 LC=
.7	17.7	18.0	20.1	21.8	23.1	26.6	30.0	35.7	41.0	46.2	50.7	54.8	58.7	61.7	64.4
.4	24.5	26.7	29.5	29.4	32.4	34.2	38.4	42.8	47.0	50.5	55.1	58.2	61.1	64.0	66.1
.9	22.5	24.3	26.3	27.6	28.9	32.0	34.4	39.9	44.5	49.2	53.3	56.8	60.1	63.1	65.4
.6	20.5	22.2	23.8	25.4	26.8	30.5	33.6	38.9	43.6	48.6	52.7	56.6	60.1	63.0	65.3
.3	25.2	26.5	28.5	30.2	31.6	33.5	36.5	42.4	45.9	51.5	54.8	58.1	61.6	64.0	66.6
.6	26.4	29.0	30.4	31.9	33.4	35.7	38.2	43.2	47.5	52.0	54.8	58.5	61.2	63.8	66.3
.6	26.7	29.1	30.4	31.8	33.9	36.4	38.5	43.5	47.8	52.0	55.6	58.8	61.7	64.5	66.5
.8	25.5	28.6	30.0	31.7	33.0	35.2	37.7	42.3	46.6	50.6	54.0	57.3	60.2	62.8	65.1
.3	26.4	29.8	30.6	32.2	33.6	36.1	38.1	42.4	47.1	50.8	54.5	57.6	60.5	63.2	65.1
.3	28.1	31.8	33.2	34.0	35.4	38.2	40.3	44.7	49.2	52.9	56.5	59.2	62.4	64.7	66.9
.6	28.9	32.5	33.7	34.9	36.0	39.1	40.9	45.3	49.7	53.1	56.8	59.2	62.1	64.7	66.6
.1	28.6	32.5	33.8	35.1	36.0	38.9	41.3	45.3	49.7	53.5	56.9	59.7	62.5	65.0	67.2
.4	22.4	24.6	26.1	27.5	28.9	31.7	34.9	40.1	44.9	49.7	53.4	57.2	60.1	63.3	65.8
.6	36.0	40.1	41.3	42.0	44.4	46.0	49.4	51.2	53.5	55.9	58.5	61.4	63.8	65.6	67.6
.4	35.8	39.0	39.6	41.1	42.3	43.8	46.4	49.8	53.3	56.3	58.5	61.5	64.0	66.5	68.6
.9	36.7	39.8	40.3	41.9	43.5	44.5	47.5	50.9	53.6	56.8	59.4	62.5	64.4	66.7	68.5
.4	10.5	8.4	10.6	12.0	14.5	18.3	22.1	29.2	35.5	41.4	46.9	51.3	56.1	59.7	63.1
.4	35.9	37.9	38.6	40.9	41.7	44.1	46.2	50.1	53.2	55.9	59.6	62.2	64.3	66.6	68.3
.6	10.8	8.6	10.6	12.3	14.3	18.1	21.8	28.8	35.5	41.3	46.8	51.3	55.7	59.8	63.6
.0	38.2	40.7	41.4	43.1	44.0	46.5	49.2	53.8	58.1	60.8	62.2	62.7	63.9	64.8	66.2
.4	10.2	8.2	10.8	12.4	14.7	18.0	22.0	29.3	35.4	41.7	47.0	51.7	56.1	60.0	63.1
.6	35.6	38.8	39.0	41.1	41.8	44.0	46.0	49.9	53.4	56.3	59.6	61.8	64.2	66.4	68.0
.6	10.4	8.5	11.0	12.5	14.8	18.4	22.2	29.1	35.7	41.7	46.9	51.9	56.5	60.0	63.5
.4	41.9	41.0	41.4	42.6	43.3	45.5	47.4	51.4	54.4	57.6	60.2	62.8	64.7	66.9	68.6
.7	43.1	41.9	42.1	43.3	44.4	46.5	48.0	51.9	55.0	58.1	60.9	63.1	65.3	67.0	68.7
.4	43.4	42.4	42.8	43.9	44.4	46.9	48.5	52.1	55.1	58.0	60.6	63.1	65.2	67.0	68.4
.4	44.2	42.7	43.3	44.3	45.1	47.2	48.8	52.6	55.5	58.4	61.1	63.4	65.5	67.1	68.6

ge Piezometer Readings, Prototype Feet of Water

T=240 LC=37.5	T=300 LC=42.8	T=360 LC=47.7	T=420 LC=51.9	T=480 LC=55.5	T=540 LC=59.5	T=600 LC=62.5	T=660 LC=65.2	T=720 LC=67.3	T=780 LC=69.2	T=840 LC=70.5	T=900 LC=72.3	T=1020 LC=73.7	T=1260 LC=74.0
35.7	41.0	46.2	50.7	54.8	58.7	61.7	64.4	67.0	68.5	69.9	70.8	72.9	74.0
32.8	47.0	50.5	55.1	58.2	61.1	64.0	66.1	68.0	70.0	71.4	72.4	73.7	74.0
39.9	44.5	49.2	53.3	56.8	60.1	63.1	65.4	67.6	69.3	71.2	71.9	73.8	74.0
38.9	43.6	48.6	52.7	56.6	60.1	63.0	65.3	67.6	69.7	71.1	72.3	73.7	74.0
32.4	45.9	51.5	54.8	58.1	61.6	64.0	66.6	68.0	70.1	71.5	72.4	74.0	74.0
33.2	47.5	52.0	54.8	58.5	61.2	63.8	66.3	68.3	69.8	71.3	72.4	73.7	74.0
33.5	47.8	52.0	55.6	58.8	61.7	64.5	66.5	68.7	70.0	71.5	72.5	73.9	74.0
32.3	46.6	50.6	54.0	57.3	60.2	62.8	65.1	67.0	68.7	69.8	71.4	72.8	74.0
32.4	47.1	50.8	54.5	57.6	60.5	63.2	65.1	67.4	68.9	70.3	71.5	73.0	74.0
34.7	49.2	52.9	56.5	59.2	62.4	64.7	66.9	68.6	70.3	71.4	72.5	73.9	74.0
35.3	49.7	53.1	56.8	59.2	62.1	64.7	66.6	68.5	70.1	71.2	72.6	73.9	74.0
35.3	49.7	53.5	56.9	59.7	62.5	65.0	67.2	68.7	70.3	71.6	72.3	74.0	74.0
30.1	44.9	49.7	53.4	57.2	60.1	63.3	65.8	67.9	69.7	71.1	72.3	73.6	74.0
51.2	53.5	55.9	58.5	61.4	63.8	65.6	67.6	69.1	70.1	71.5	72.4	73.4	74.0
49.8	53.3	56.3	58.5	61.5	64.0	66.5	68.6	69.4	71.0	72.0	72.8	73.7	74.0
50.9	53.6	56.8	59.4	62.5	64.4	66.7	68.5	70.0	71.2	72.3	73.1	74.1	74.0
29.2	35.5	41.4	46.9	51.3	56.1	59.7	63.1	66.0	68.4	70.1	71.8	73.5	74.0
50.1	53.2	55.9	59.6	62.2	64.3	66.6	68.3	69.9	71.1	72.2	73.0	74.0	74.0
28.8	35.5	41.3	46.8	51.3	55.7	59.8	63.6	65.9	68.3	70.2	71.7	73.9	74.0
53.8	58.1	60.8	62.2	62.7	63.9	64.8	66.2	67.6	69.4	70.2	71.4	73.4	74.0
29.3	35.4	41.7	47.0	51.7	56.1	60.0	63.1	66.0	68.4	70.3	72.0	73.9	74.0
49.9	53.4	56.3	59.6	61.8	64.2	66.4	68.0	69.8	70.7	71.8	72.6	73.9	74.0
29.1	35.7	41.7	46.9	51.9	56.5	60.0	63.5	66.0	68.3	70.3	71.8	73.9	74.0
51.4	54.4	57.6	60.2	62.8	64.7	66.9	68.6	69.8	71.0	72.1	72.7	73.8	74.0
51.9	55.0	58.1	60.9	63.1	65.3	67.0	68.7	70.1	71.3	72.3	72.7	73.9	74.0
52.1	55.1	58.0	60.6	63.1	65.2	67.0	68.4	70.2	71.1	72.1	72.6	73.7	74.0
52.6	55.5	58.4	61.1	63.4	65.5	67.1	68.6	70.0	71.2	72.2	72.4	73.6	74.0

(Sheet 5 of 5)

Table A27
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upr

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.3	T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=16.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T= LC
1	21+17.8	-16.0	74.0	74.0	73.8	73.8	73.2	73.0	72.6	72.0	71.6	71
2	21+25.2	-16.0	74.0	73.7	73.5	73.1	73.1	72.8	72.4	71.7	71.4	71
3	21+22.9	-16.0	74.0	73.6	73.5	73.2	73.0	72.8	72.3	71.5	71.3	71
4	21+29.5	-16.0	74.0	74.3	74.0	73.6	73.2	72.8	72.0	71.1	70.3	69
5	21+39.4	-16.0	74.0	73.7	73.6	73.5	72.8	72.2	71.8	70.8	70.3	70
6	21+36.2	-16.0	74.0	73.7	73.5	73.1	72.5	72.0	71.5	70.4	69.9	69
7	21+42.5	-16.0	74.0	73.9	73.3	73.0	71.9	70.3	68.4	66.5	65.0	65
8	21+53.8	-16.0	74.0	73.8	73.4	73.0	72.4	71.4	69.9	69.1	67.7	67
9	21+49.7	-16.0	74.0	73.6	73.2	72.9	72.2	71.1	69.9	68.5	67.5	67
10	21+55.9	-16.0	74.0	73.5	73.2	72.6	71.7	70.0	68.0	65.6	63.8	63
11	21+70.0	-13.6	74.0	73.9	73.6	73.1	71.9	68.1	61.1	54.1	49.6	48
12	21+85.0	-17.0	74.0	73.2	71.9	70.1	67.2	62.6	56.6	50.5	45.9	45
13	21+91.0	-17.0	74.0	73.1	71.9	69.9	67.1	63.1	57.6	51.8	47.9	47
13A	21+91.0	-17.0	74.0	73.9	73.7	73.9	74.2	73.9	73.9	73.7	73.8	73
14	22+05.0	-17.0	74.0	73.1	71.8	69.9	66.8	62.0	56.2	49.7	44.9	44
14A	22+05.0	-17.0	74.0	73.6	73.2	72.5	71.5	70.4	68.7	67.6	66.0	64
15	22+52.1	-17.0	16.0	14.4	10.6	6.7	5.0	5.7	13.5	28.0	40.8	42
15A	22+52.1	-17.0	16.0	16.3	16.9	16.0	15.7	14.5	13.6	12.4	12.4	14
16	21+53.5	-17.0	16.0	14.4	12.2	7.6	5.7	6.1	10.9	27.7	33.2	33
17	22+59.1	-16.9	16.0	13.9	11.6	6.8	3.8	4.5	16.6	34.8	42.9	44
18	22+62.6	-16.8	16.0	14.0	10.7	6.2	3.6	6.3	16.5	36.9	43.2	44
19	22+69.1	-16.6	16.0	16.9	15.0	11.5	12.2	15.8	31.5	38.6	43.6	45
20	22+76.6	-16.5	16.0	18.1	15.6	7.4	5.6	14.6	20.3	23.5	34.1	36
21	22+90.6	-16.5	16.0	19.5	20.0	21.9	23.3	29.4	35.0	39.2	41.6	42
21A	22+90.6	-16.5	16.0	16.7	16.2	16.1	16.2	15.0	14.3	13.0	12.3	14
22	23+50.0	-16.5	16.0	15.2	17.5	19.3	24.2	29.1	32.9	35.8	37.9	39
23	24+50.0	-16.5	16.0	21.4	24.6	26.6	27.6	27.7	28.2	28.8	28.6	28
24	25+50.0	-16.5	16.0	18.3	20.1	21.4	25.0	27.8	32.0	35.6	37.7	41
24A	25+50.0	-16.5	16.0	16.9	16.8	16.4	16.1	15.2	14.6	12.9	12.5	15
25	26+04.3	-24.25	16.0	17.8	19.0	20.6	24.5	27.8	32.8	38.0	41.2	43
26	25+95.9	-24.25	16.0	17.4	18.1	18.4	19.4	19.7	20.5	21.0	21.4	23

eading During Filling Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 2 Min (Cons

Average Piezometer Readings, Prototype Feet of Water

.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25.9	T=180 LC=28.9	T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.
	73.8	73.2	73.0	72.6	72.0	71.6	71.7	71.8	71.9	72.2	72.6	72.9	73.3	73.4	73.6
	73.1	73.1	72.8	72.4	71.7	71.4	71.7	71.5	71.8	72.2	72.5	72.7	72.7	72.9	73.3
	73.2	73.0	72.8	72.3	71.5	71.3	71.2	71.3	71.8	72.2	72.3	72.5	72.8	72.8	73.0
	73.6	73.2	72.8	72.0	71.1	70.3	69.0	68.5	68.9	69.6	70.2	70.9	71.2	71.8	72.4
	73.5	72.8	72.2	71.8	70.8	70.3	70.2	70.5	71.3	71.1	71.8	72.1	72.5	73.1	72.9
	73.1	72.5	72.0	71.5	70.4	69.9	69.8	69.8	70.7	70.8	71.5	71.9	72.2	72.4	72.7
	73.0	71.9	70.3	68.4	66.5	65.0	65.0	65.4	66.8	67.7	68.8	69.8	70.5	70.9	71.4
	73.0	72.4	71.4	69.9	69.1	67.7	67.9	68.2	69.2	69.8	70.2	71.1	71.6	72.1	72.4
	72.9	72.2	71.1	69.9	68.5	67.5	67.7	67.8	68.6	69.5	70.2	70.6	71.2	71.7	72.2
	72.6	71.7	70.0	68.0	65.6	63.8	63.4	63.9	65.0	66.3	67.7	69.0	69.5	70.5	71.0
	73.1	71.9	68.1	61.1	54.1	49.6	48.5	50.0	54.3	57.7	61.7	66.1	65.9	65.5	66.1
	70.1	67.2	62.6	56.6	50.5	45.9	45.3	47.1	50.8	54.2	57.3	60.0	62.3	64.5	66.2
	69.9	67.1	63.1	57.6	51.8	47.9	47.5	49.0	52.1	55.6	58.3	60.8	63.1	65.0	67.0
	73.9	74.2	73.9	73.9	73.7	73.8	73.7	73.4	73.2	73.6	75.8	76.1	75.2	75.2	75.4
	69.9	66.8	62.0	56.2	49.7	44.9	44.3	46.4	49.9	53.5	56.5	59.8	62.0	64.4	66.3
	72.5	71.5	70.4	68.7	67.6	66.0	64.4	66.1	70.6	74.9	78.1	81.2	83.5	85.4	86.7
	6.7	5.0	5.7	13.5	28.0	40.8	42.1	44.2	48.2	52.1	55.4	58.3	61.1	63.9	65.6
	16.0	15.7	14.5	13.6	12.4	12.4	14.4	18.3	25.8	32.7	38.7	44.3	49.6	54.1	58.0
	7.6	5.7	6.1	10.9	27.7	33.2	33.5	35.2	40.6	45.2	49.8	53.7	56.9	60.0	63.8
	6.8	3.8	4.5	16.6	34.8	42.9	44.8	46.5	50.2	54.1	57.1	59.8	62.4	64.6	66.0
	6.2	3.6	6.3	16.5	36.9	43.2	44.7	46.6	50.3	53.7	56.9	59.5	62.2	64.4	66.2
	11.5	12.2	15.8	31.5	38.6	43.6	45.1	47.4	51.7	55.6	59.3	62.7	65.7	67.9	69.7
	7.4	5.6	14.6	20.3	23.5	34.1	36.0	38.9	43.2	47.4	51.8	54.7	58.2	61.0	63.6
	21.9	23.3	29.4	35.0	39.2	41.6	42.4	44.7	48.5	52.1	55.6	58.6	61.4	63.7	65.8
	16.1	16.2	15.0	14.3	13.0	12.3	14.6	18.9	26.2	32.9	39.4	44.9	49.8	54.4	58.4
	19.3	24.2	29.1	32.9	35.8	37.9	39.2	41.7	46.2	49.9	53.3	56.7	60.0	61.9	64.6
	26.6	27.6	27.7	28.2	28.8	28.6	28.9	29.3	30.2	31.7	45.2	50.1	54.1	57.7	60.8
	21.4	25.0	27.8	32.0	35.6	37.7	41.0	44.1	45.6	46.3	47.7	53.2	56.9	59.9	62.8
	16.4	16.1	15.2	14.6	12.9	12.5	15.3	19.1	26.3	32.9	39.4	44.7	49.9	54.5	58.4
	20.6	24.5	27.8	32.8	38.0	41.2	43.6	46.3	49.6	52.7	55.0	58.7	60.8	63.4	65.4
	18.4	19.4	19.7	20.5	21.0	21.4	23.6	27.0	33.1	39.7	44.4	49.5	53.5	57.7	60.8

, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 2 Min (Constant Speed Gate), Single Valve Operation

rage Piezometer Readings, Prototype Feet of Water

T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7	T=660 LC=63.7	T=720 LC=65.9	T=780 LC=68.1	T=840 LC=69.9	T=900 LC=71.3	T=1020 LC=73.1	T=1260 LC=74.0
71.9	72.2	72.6	72.9	73.3	73.4	73.6	73.8	73.7	73.7	73.8	74.0	73.9	74.0
71.8	72.2	72.5	72.7	72.7	72.9	73.3	73.4	73.5	73.6	73.6	73.9	73.9	74.0
71.8	72.2	72.3	72.5	72.8	72.8	73.0	73.3	73.3	73.3	73.5	73.6	73.8	74.0
68.9	69.6	70.2	70.9	71.2	71.8	72.4	72.5	72.8	73.1	73.2	73.5	73.6	74.0
71.3	71.1	71.8	72.1	72.5	73.1	72.9	73.1	73.4	73.5	73.5	73.5	73.7	74.0
70.7	70.8	71.5	71.9	72.2	72.4	72.7	73.1	73.2	73.4	73.4	73.8	73.6	74.0
66.8	67.7	68.8	69.8	70.5	70.9	71.4	71.9	72.7	72.7	73.4	73.6	73.9	74.0
69.2	69.8	70.2	71.1	71.6	72.1	72.4	72.7	73.1	73.5	73.5	74.1	74.0	74.0
68.6	69.5	70.2	70.6	71.2	71.7	72.2	72.3	73.2	73.3	73.6	74.0	73.7	74.0
65.0	66.3	67.7	69.0	69.5	70.5	71.0	71.8	72.1	72.6	73.2	73.5	73.7	74.0
54.3	57.7	61.7	66.1	65.9	65.5	66.1	67.0	68.4	69.9	70.7	71.6	72.9	74.0
50.8	54.2	57.3	60.0	62.3	64.5	66.2	67.8	69.5	70.7	71.6	72.4	73.3	74.0
52.1	55.6	58.3	60.8	63.1	65.0	67.0	68.6	69.9	71.0	72.1	72.6	73.6	74.0
73.2	73.6	75.8	76.1	75.2	75.2	75.4	75.0	75.2	75.2	74.6	74.2	74.0	74.0
49.9	53.5	56.5	59.8	62.0	64.4	66.3	67.9	69.4	70.7	71.6	72.4	73.4	74.0
70.6	74.9	78.1	81.2	83.5	85.4	86.7	87.6	87.8	88.2	87.5	86.5	83.7	74.0
48.2	52.1	55.4	58.3	61.1	63.9	65.6	67.5	69.0	70.4	71.7	72.1	73.6	74.0
25.8	32.7	38.7	44.3	49.6	54.1	58.0	61.7	64.9	67.2	69.4	71.1	73.5	74.0
40.6	45.2	49.8	53.7	56.9	60.0	63.8	66.8	69.6	71.7	72.8	73.8	74.8	74.0
50.2	54.1	57.1	59.8	62.4	64.6	66.0	68.1	69.3	70.7	71.7	72.6	73.5	74.0
50.3	53.7	56.9	59.5	62.2	64.4	66.2	67.8	69.3	70.8	71.7	72.2	73.3	74.0
51.7	55.6	59.3	62.7	65.7	67.9	69.7	70.2	70.8	71.3	71.6	71.8	72.4	74.0
43.2	47.4	51.8	54.7	58.2	61.0	63.6	66.1	68.0	69.4	70.7	71.6	73.0	74.0
48.5	52.1	55.6	58.6	61.4	63.7	65.8	67.9	69.3	70.6	71.7	72.8	73.7	74.0
26.2	32.9	39.4	44.9	49.8	54.4	58.4	62.0	65.1	67.4	69.4	71.3	73.3	74.0
46.2	49.9	53.3	56.7	60.0	61.9	64.6	66.6	68.5	69.8	71.1	72.1	73.6	74.0
30.2	31.7	45.2	50.1	54.1	57.7	60.8	63.7	66.1	68.1	69.6	71.1	72.9	74.0
45.6	46.3	47.7	53.2	56.9	59.9	62.8	65.1	67.2	68.7	70.4	71.4	73.0	74.0
26.3	32.9	39.4	44.7	49.9	54.5	58.4	61.8	65.1	67.6	69.6	71.2	73.4	74.0
49.6	52.7	55.0	58.7	60.8	63.4	65.4	67.2	68.8	70.0	71.1	72.0	73.4	74.0
33.1	39.7	44.4	49.5	53.5	57.7	60.8	63.7	66.3	68.6	70.1	71.5	73.6	74.0

Table A27 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.3	T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=16.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25.9
27	26+09.2	-17.0	16.0	17.6	18.7	19.6	23.3	26.1	26.7	27.4	27.9	28.8
27A	26+09.2	-17.0	16.0	16.3	16.3	16.0	16.2	15.1	14.3	12.8	12.1	13.7
28	26+01.3	-20.1	16.0	16.5	16.2	15.7	14.5	12.0	8.8	5.8	4.5	3.1
29	26+12.4	-20.1	16.0	16.8	17.6	18.8	20.7	22.4	24.2	26.5	29.2	31.9
30	25+96.0	-20.1	16.0	16.9	16.7	15.7	13.7	10.8	6.7	3.5	1.3	3.1
31	26+04.5	-20.1	16.0	16.8	17.7	18.5	20.3	21.6	23.4	26.1	28.4	31.5
32	25+88.1	-20.1	16.0	16.7	16.2	15.1	13.4	9.9	5.9	3.2	0.3	1.3
33	25+92.6	-20.1	16.0	16.6	17.1	18.2	19.9	21.1	23.1	24.3	27.2	29.1
34	26+01.3	-28.4	16.0	16.5	16.6	15.9	16.1	15.1	14.1	12.8	12.3	14.3
35	26+12.4	-28.4	16.0	16.3	16.5	16.1	15.9	14.7	13.7	12.6	12.0	14.7
36	25+96.0	-28.4	16.0	16.1	16.3	16.1	16.1	15.7	15.0	14.7	13.9	14.6
37	26+04.1	-28.4	16.0	16.3	16.5	16.0	15.7	14.6	13.4	12.2	11.8	14.7
38	25+88.1	-28.4	16.0	16.7	16.4	16.1	16.1	14.9	13.7	12.9	12.1	14.4
39	25+92.6	-28.4	16.0	16.1	16.3	16.4	16.2	15.7	14.8	13.8	13.0	13.5
40	25+75.0	-24.1	16.0	16.1	16.6	16.2	16.0	15.4	14.9	13.7	12.6	13.1
42	25+70.0	-24.0	16.0	16.6	16.6	16.2	15.0	13.1	10.1	8.0	6.5	8.5
43	25+70.0	-24.0	16.0	16.6	16.4	15.9	15.2	13.4	11.4	8.9	8.6	8.7
44	25+65.0	-23.1	16.0	16.5	16.5	16.3	15.0	15.2	15.4	14.7	13.6	14.0
45	25+65.0	-23.1	16.0	16.3	16.5	16.4	16.2	16.3	15.9	9.7	9.5	11.9
46	25+65.0	-23.1	16.0	16.5	18.0	19.3	23.3	26.8	30.4	41.3	43.5	46.5
47	25+60.0	-22.7	16.0	16.4	16.4	16.4	16.3	16.1	16.5	15.8	15.0	18.4
48	25+60.0	-22.7	16.0	16.7	16.1	16.1	16.7	16.3	18.5	15.3	14.0	17.4
49	25+60.0	-22.7	16.0	16.7	17.1	17.2	16.8	16.9	15.8	17.0	16.9	19.6
50	25+60.0	-22.7	16.0	16.5	16.9	17.2	16.3	17.3	13.4	14.4	17.1	20.1
51	25+50.0	-22.1	16.0	16.6	16.8	17.1	17.2	18.0	19.0	20.0	19.6	24.2
52	25+50.0	-22.1	16.0	16.7	16.5	17.1	17.2	17.3	18.8	18.0	18.3	23.5
53	25+50.0	-22.1	16.0	16.8	17.2	18.1	18.3	19.2	20.5	23.4	23.8	27.1
54	25+50.0	-22.1	16.0	16.4	17.4	17.7	18.3	20.2	21.8	21.8	21.6	24.0
55	25+40.0	-21.5	16.0	16.3	16.5	17.2	18.6	18.0	19.3	21.1	24.3	25.7
56	25+40.0	-21.5	16.0	16.4	16.5	16.9	17.4	18.9	19.5	20.4	22.6	25.4
57	25+40.0	-21.5	16.0	16.2	17.5	17.9	18.9	20.8	22.3	24.1	25.6	28.9

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25.9	T=180 LC=28.9	T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7
19.6	23.3	26.1	26.7	27.4	27.9	28.8	30.6	36.1	40.9	45.3	49.8	53.4	56.7	59.6
16.0	16.2	15.1	14.3	12.8	12.1	13.7	17.6	25.2	31.6	38.0	43.6	49.2	53.9	57.7
15.7	14.5	12.0	8.8	5.8	4.5	3.1	5.5	14.8	22.2	29.5	35.9	43.1	49.1	53.9
18.8	20.7	22.4	24.2	26.5	29.2	31.9	34.0	39.7	43.5	49.2	53.1	56.5	60.2	63.0
15.7	13.7	10.8	6.7	3.5	1.3	3.1	7.9	16.4	25.2	33.3	40.4	46.0	52.6	57.7
18.5	20.3	21.6	23.4	26.1	28.4	31.5	34.8	43.4	44.9	49.1	53.1	56.6	59.7	62.6
15.1	13.4	9.9	5.9	3.2	0.3	1.3	7.2	15.9	24.3	31.4	37.7	43.7	49.4	54.6
18.2	19.9	21.1	23.1	24.3	27.2	29.1	31.9	37.7	43.8	47.2	52.2	55.7	59.0	61.8
15.9	16.1	15.1	14.1	12.8	12.3	14.3	18.4	25.8	32.4	38.6	44.1	49.4	53.8	57.8
16.1	15.9	14.7	13.7	12.6	12.0	14.7	17.7	24.8	31.5	38.2	43.9	49.0	53.7	57.7
16.1	16.1	15.7	15.0	14.7	13.9	14.6	16.7	22.5	29.6	36.0	41.8	47.1	51.6	55.8
16.0	15.7	14.6	13.4	12.2	11.8	14.7	18.5	25.6	32.4	38.9	44.4	49.3	53.9	57.9
16.1	16.1	14.9	13.7	12.9	12.1	14.4	17.8	24.7	31.0	37.8	43.3	48.1	53.2	57.5
16.4	16.2	15.7	14.8	13.8	13.0	13.5	16.6	23.3	30.1	36.5	42.3	47.2	52.2	56.4
16.2	16.0	15.4	14.9	13.7	12.6	13.1	16.5	23.6	30.9	37.5	43.1	48.3	53.0	57.2
16.2	15.0	13.1	10.1	8.0	6.5	8.5	13.9	21.6	28.9	35.6	41.6	47.2	52.4	56.5
15.9	15.2	13.4	11.4	8.9	8.6	8.7	13.4	21.5	28.4	35.3	40.9	47.4	51.4	56.9
16.3	15.0	15.2	15.4	14.7	13.6	14.0	20.6	27.2	34.6	39.0	46.5	50.9	54.3	58.3
16.4	16.2	16.3	15.9	9.7	9.5	11.9	15.4	23.6	28.4	34.5	40.0	45.1	50.1	54.2
19.3	23.3	26.8	30.4	41.3	43.5	46.5	45.9	48.6	51.4	59.2	60.4	60.0	65.1	65.0
16.4	16.3	16.1	16.5	15.8	15.0	18.4	22.9	29.6	36.0	41.1	47.3	50.6	55.5	59.4
16.1	16.7	16.3	18.5	15.3	14.0	17.4	22.0	27.1	35.7	40.9	48.2	51.9	56.0	60.1
17.2	16.8	16.9	15.8	17.0	16.9	19.6	22.9	30.2	36.2	42.4	47.9	52.4	56.1	59.5
17.2	16.3	17.3	13.4	14.4	17.1	20.1	23.8	31.5	34.3	40.2	49.0	52.3	55.7	58.2
17.1	17.2	18.0	19.0	20.0	19.6	24.2	27.9	35.5	42.7	49.8	50.4	53.1	55.7	59.5
17.1	17.2	17.3	18.8	18.0	18.3	23.5	28.3	30.9	37.6	43.7	47.8	52.6	57.1	60.5
18.1	18.3	19.2	20.5	23.4	23.8	27.1	29.6	35.6	41.0	46.1	50.0	54.5	58.2	61.1
17.7	18.3	20.2	21.8	21.8	21.6	24.0	29.7	33.9	41.6	47.1	49.7	54.5	58.6	61.1
17.2	18.6	18.0	19.3	21.1	24.3	25.7	28.6	33.5	40.4	45.9	49.2	54.7	57.1	60.7
16.9	17.4	18.9	19.5	20.4	22.6	25.4	28.3	34.6	40.5	45.1	50.3	53.6	57.9	60.7
17.9	18.9	20.8	22.3	24.1	25.6	28.9	31.6	37.0	43.2	48.5	51.9	56.1	58.9	62.3

rage Piezometer Readings, Prototype Feet of Water

T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7	T=660 LC=63.7	T=720 LC=65.9	T=780 LC=68.1	T=840 LC=69.9	T=900 LC=71.3	T=1020 LC=73.1	T=1260 LC=74.0
36.1	40.9	45.3	49.8	53.4	56.7	59.6	62.5	64.9	66.8	68.6	70.2	72.2	74.0
25.2	31.6	38.0	43.6	49.2	53.9	57.7	61.2	64.3	67.0	69.2	70.8	73.3	74.0
14.8	22.2	29.5	35.9	43.1	49.1	53.9	58.4	62.3	65.4	68.2	70.3	73.1	74.0
39.7	43.5	49.2	53.1	56.5	60.2	63.0	65.4	67.5	69.3	70.9	71.9	73.7	74.0
16.4	25.2	33.3	40.4	46.0	52.6	57.7	62.5	64.9	66.2	67.8	69.0	71.7	74.0
43.4	44.9	49.1	53.1	56.6	59.7	62.6	65.0	67.2	69.0	70.4	71.8	73.4	74.0
15.9	24.3	31.4	37.7	43.7	49.4	54.6	58.9	62.3	65.8	68.3	70.3	73.0	74.0
37.7	43.8	47.2	52.2	55.7	59.0	61.8	64.6	67.1	68.8	70.5	71.7	73.8	74.0
25.8	32.4	38.6	44.1	49.4	53.8	57.8	61.2	64.4	67.0	69.2	71.0	73.1	74.0
24.8	31.5	38.2	43.9	49.0	53.7	57.7	61.3	64.5	67.2	69.4	71.0	73.4	74.0
22.5	29.6	36.0	41.8	47.1	51.6	55.8	59.7	62.9	65.8	68.1	69.8	72.6	74.0
25.6	32.4	38.9	44.4	49.3	53.9	57.9	61.6	64.7	66.8	69.1	70.9	73.1	74.0
24.7	31.0	37.8	43.3	48.1	53.2	57.5	61.3	64.1	67.2	69.5	71.2	73.4	74.0
23.3	30.1	36.5	42.3	47.2	52.2	56.4	60.3	63.5	66.4	69.0	70.5	72.8	74.0
23.6	30.9	37.5	43.1	48.3	53.0	57.2	60.9	64.2	66.7	68.8	70.6	73.1	74.0
21.6	28.9	35.6	41.6	47.2	52.4	56.5	60.4	63.6	66.4	68.6	70.8	73.2	74.0
21.5	28.4	35.3	40.9	47.4	51.4	56.9	60.0	62.3	66.0	68.4	70.5	72.8	74.0
27.2	34.6	39.0	46.5	50.9	54.3	58.3	61.8	65.0	67.6	69.4	71.3	73.2	74.0
23.6	28.4	34.5	40.0	45.1	50.1	54.2	58.4	61.8	64.9	67.8	69.6	72.4	74.0
48.6	51.4	59.2	60.4	60.0	65.1	65.0	66.7	69.9	70.3	72.1	72.5	73.6	74.0
29.6	36.0	41.1	47.3	50.6	55.5	59.4	62.2	65.6	67.7	69.9	71.4	73.6	74.0
27.1	35.7	40.9	48.2	51.9	56.0	60.1	64.0	67.0	68.8	71.7	72.3	74.0	74.0
30.2	36.2	42.4	47.9	52.4	56.1	59.5	63.1	66.0	67.9	69.8	71.5	73.2	74.0
31.5	34.3	40.2	49.0	52.3	55.7	58.2	62.3	66.4	68.7	70.3	71.9	73.5	74.0
35.5	42.7	49.8	50.4	53.1	55.7	59.5	62.0	64.7	66.8	69.1	70.8	73.0	74.0
30.9	37.6	43.7	47.8	52.6	57.1	60.5	62.9	65.6	68.0	70.1	71.4	73.3	74.0
35.6	41.0	46.1	50.0	54.5	58.2	61.1	64.2	66.6	68.6	70.4	71.6	73.5	74.0
33.9	41.6	47.1	49.7	54.5	56.6	61.1	64.2	66.1	68.2	70.2	71.6	73.5	74.0
33.5	40.4	45.9	49.2	54.7	57.1	60.7	63.8	66.2	68.6	69.8	71.6	73.4	74.0
34.6	40.5	45.1	50.3	53.6	57.9	60.7	63.6	66.3	68.1	69.9	71.4	73.2	74.0
37.0	43.2	48.5	51.9	56.1	58.9	62.3	65.0	67.1	69.0	70.5	71.8	73.7	74.0

Table A27 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.3	T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=15(LC=2
58	25+40.0	-21.5	16.0	16.5	17.5	17.8	18.5	20.5	22.9	25.2	26.0	29.0
59	25+30.0	-20.9	16.0	16.3	16.4	17.0	17.9	19.0	20.3	22.8	23.4	27.2
60	25+30.0	-20.9	16.0	16.5	16.7	17.1	18.0	18.4	19.6	22.4	22.4	26.9
61	25+30.0	-20.9	16.0	16.2	16.8	17.2	17.7	18.7	20.1	21.8	23.2	26.5
62	25+30.0	-20.9	16.0	16.2	17.1	18.0	19.2	20.7	22.9	25.4	27.4	31.3
63	25+25.0	-20.6	16.0	16.4	16.8	17.1	18.7	19.8	21.2	23.7	25.1	28.7
64	25+25.0	-20.6	16.0	16.3	16.3	16.7	17.5	18.2	19.5	21.3	21.7	26.2
65	25+25.0	-20.6	16.0	16.4	16.8	16.9	17.5	17.9	18.2	18.9	20.0	22.6
66	25+25.0	-20.6	16.0	15.5	15.8	16.4	17.6	18.9	20.7	23.1	25.2	29.7
68	25+23.0	-20.6	16.0	16.4	16.5	17.0	17.8	18.6	19.8	21.1	22.9	26.2
69	25+23.0	-20.6	16.0	16.3	17.0	17.4	17.8	18.9	20.0	21.0	22.6	25.1
70	25+23.0	-20.6	16.0	16.2	17.3	18.3	19.8	21.7	24.8	27.8	30.1	33.4
71	25+10.2	-24.25	16.0	15.9	16.3	17.4	18.5	20.2	22.6	24.9	27.6	31.2
71A	25+10.2	-24.25	16.0	16.1	16.7	17.2	17.7	18.9	19.6	21.7	22.9	25.9
72	25+00.2	-24.25	16.0	16.3	17.3	17.9	19.6	22.3	24.9	27.9	31.0	34.3
73	24+90.2	-24.25	16.0	16.2	17.4	17.9	20.3	22.6	26.1	29.4	32.5	36.2
74	24+80.2	-24.25	16.0	16.0	16.9	17.8	20.3	22.8	26.7	30.6	34.0	37.8
75	24+70.2	-24.25	16.0	16.4	17.0	18.4	20.8	23.9	27.7	32.0	35.0	39.6
76	24+60.2	-24.25	16.0	16.5	17.3	18.5	20.9	23.9	28.5	33.2	36.8	40.4
77	24+50.2	-24.25	16.0	16.0	16.8	18.1	20.8	23.9	28.7	33.7	37.3	41.7
78	24+40.2	-24.25	16.0	16.1	16.7	18.3	20.9	24.3	29.0	34.1	38.4	42.1
79	24+30.2	-24.25	16.0	16.1	16.9	18.3	20.9	24.3	29.5	34.3	38.9	42.5
79A	24+30.2	-24.25	16.0	16.1	16.6	17.1	17.3	19.2	20.5	22.1	23.9	27.3
80	26+17.0	-28.4	16.0	16.9	16.6	15.9	14.5	12.5	10.1	6.5	4.0	6.0
81	26+06.0	-28.4	16.0	17.1	17.7	18.6	20.3	21.6	24.2	25.4	27.2	29.5
82	26+22.4	-28.4	16.0	16.8	16.4	15.7	14.6	12.5	9.9	6.0	3.9	5.7
83	26+13.9	-28.4	16.0	16.8	17.4	17.9	19.6	21.3	23.4	25.0	26.8	28.6
84	26+30.3	-28.4	16.0	16.6	16.5	15.6	14.2	3.2	-1.4	-6.0	-8.2	-7.3
85	26+25.7	-28.4	16.0	16.6	17.0	17.6	18.8	20.0	21.9	23.2	25.9	26.4
86	26+17.0	-20.1	16.0	16.5	16.5	16.1	15.6	14.7	14.0	12.4	12.3	14.6
87	26+06.0	-20.1	16.0	16.6	16.8	16.3	15.9	14.8	14.1	12.4	12.3	14.5

Average Piezometer Readings, Prototype Feet of Water

=45 C=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25.9	T=180 LC=28.9	T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7	T L
.8	18.5	20.5	22.9	25.2	26.0	29.0	33.7	38.4	42.6	48.4	51.2	55.8	59.1	62.0	6
.0	17.9	19.0	20.3	22.8	23.4	27.2	31.3	36.9	41.9	47.3	51.7	55.2	58.4	61.7	6
.1	18.0	18.4	19.6	22.4	22.4	26.9	30.1	34.9	41.0	45.4	50.2	54.7	57.6	61.0	6
.2	17.7	18.7	20.1	21.8	23.2	26.5	29.4	35.4	41.0	46.2	50.6	54.8	58.4	61.5	6
.0	19.2	20.7	22.9	25.4	27.4	31.3	33.8	39.2	44.4	48.9	52.7	56.6	59.7	62.7	6
.1	18.7	19.8	21.2	23.7	25.1	28.7	32.3	38.3	42.8	48.0	52.3	55.1	58.7	61.9	6
.7	17.5	18.2	19.5	21.3	21.7	26.2	29.3	34.8	40.7	45.4	50.2	53.9	57.7	61.0	6
.9	17.5	17.9	18.2	18.9	20.0	22.6	25.3	30.9	36.6	41.2	46.8	51.4	55.2	58.8	6
.4	17.6	18.9	20.7	23.1	25.2	29.7	32.4	37.4	42.6	47.1	51.3	55.1	58.6	61.5	6
.0	17.8	18.6	19.8	21.1	22.9	26.2	29.3	35.3	40.8	45.8	50.6	54.3	58.1	61.1	6
.4	17.8	18.9	20.0	21.0	22.6	25.1	29.3	35.4	40.9	45.2	50.0	54.2	57.9	61.0	6
.3	19.8	21.7	24.8	27.8	30.1	33.4	36.3	41.5	46.4	50.4	54.3	57.7	61.0	63.5	6
.4	18.5	20.2	22.6	24.9	27.6	31.2	34.2	39.2	44.8	48.7	53.0	56.9	59.8	62.8	6
.2	17.7	18.9	19.6	21.7	22.9	25.9	29.3	35.6	40.5	46.5	50.4	54.4	58.2	61.3	6
.9	19.6	22.3	24.9	27.9	31.0	34.3	36.8	41.7	46.5	50.6	54.2	58.0	61.3	63.6	6
.9	20.3	22.6	26.1	29.4	32.5	36.2	38.6	43.4	47.6	51.7	55.0	58.5	61.2	63.8	6
.8	20.3	22.8	26.7	30.6	34.0	37.8	39.9	44.8	48.8	52.9	55.9	59.0	61.8	64.1	6
.4	20.8	23.9	27.7	32.0	35.0	39.6	41.3	46.2	49.7	53.3	56.4	59.8	62.3	64.7	6
.5	20.9	23.9	28.5	33.2	36.8	40.4	42.4	47.0	50.7	54.6	57.5	60.2	62.7	65.2	6
.1	20.8	23.9	28.7	33.7	37.3	41.7	43.4	47.9	51.5	54.9	57.7	60.6	62.9	65.2	6
.3	20.9	24.3	29.0	34.1	38.4	42.1	44.6	48.6	51.9	55.1	58.3	61.1	63.1	65.5	6
.3	20.9	24.3	29.5	34.3	38.9	42.5	44.7	48.9	52.0	55.4	58.4	61.2	63.3	65.7	6
.1	17.3	19.2	20.5	22.1	23.9	27.3	30.4	35.8	41.8	46.3	50.5	54.5	58.2	61.4	6
.9	14.5	12.5	10.1	6.5	4.0	6.0	10.3	18.6	27.1	34.2	40.6	46.2	51.5	56.2	5
.6	20.3	21.6	24.2	25.4	27.2	29.5	32.6	37.7	42.8	48.3	52.2	55.3	59.4	61.9	6
.7	14.6	12.5	9.9	6.0	3.9	5.7	10.8	18.9	27.4	34.3	40.6	46.3	51.7	56.0	6
.9	19.6	21.3	23.4	25.0	26.8	28.6	31.8	37.4	42.8	47.3	51.2	55.3	58.8	61.5	6
.6	14.2	3.2	-1.4	-6.0	-8.2	-7.3	-0.8	9.1	18.9	26.7	34.3	41.0	48.0	52.8	5
.6	18.8	20.0	21.9	23.2	25.9	26.4	30.2	35.6	41.4	47.2	51.7	55.2	58.5	61.6	6
.1	15.6	14.7	14.0	12.4	12.3	14.6	18.4	25.9	32.9	39.0	44.6	49.5	54.4	58.2	6
.3	15.9	14.8	14.1	12.4	12.3	14.5	18.7	25.8	33.1	39.0	44.4	49.6	54.1	58.0	6

rage Piezometer Readings, Prototype Feet of Water

T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7	T=660 LC=63.7	T=720 LC=65.9	T=780 LC=68.1	T=840 LC=69.9	T=900 LC=71.3	T=1020 LC=73.1	T=1260 LC=74.0
38.4	42.6	48.4	51.2	55.8	59.1	62.0	65.0	67.0	68.9	70.2	71.8	73.5	74.0
36.9	41.9	47.3	51.7	55.2	58.4	61.7	64.5	66.8	69.0	70.5	72.1	73.8	74.0
34.9	41.0	45.4	50.2	54.7	57.6	61.0	63.9	66.7	68.4	70.5	71.9	73.7	74.0
35.4	41.0	46.2	50.6	54.8	58.4	61.5	64.2	66.4	68.5	70.1	71.4	73.1	74.0
39.2	44.4	48.9	52.7	56.6	59.7	62.7	65.2	67.5	69.3	70.7	72.0	73.7	74.0
38.3	42.8	48.0	52.3	55.1	58.7	61.9	64.4	66.9	69.0	70.4	71.8	73.7	74.0
34.8	40.7	45.4	50.2	53.9	57.7	61.0	64.3	66.7	68.7	70.4	71.9	73.7	74.0
30.9	36.6	41.2	46.8	51.4	55.2	58.8	61.8	65.3	67.6	69.5	70.8	73.4	74.0
37.4	42.6	47.1	51.3	55.1	58.6	61.5	64.0	66.7	68.5	70.2	71.4	73.2	74.0
35.3	40.8	45.8	50.6	54.3	58.1	61.1	64.1	66.6	68.6	70.4	71.6	73.7	74.0
35.4	40.9	45.2	50.0	54.2	57.9	61.0	64.0	66.6	68.6	70.3	71.4	73.2	74.0
41.5	46.4	50.4	54.3	57.7	61.0	63.5	65.7	67.7	69.9	71.3	72.3	73.9	74.0
39.2	44.8	48.7	53.0	56.9	59.8	62.8	65.3	67.3	69.3	70.9	72.2	73.8	74.0
35.6	40.5	46.5	50.4	54.4	58.2	61.3	64.4	66.8	68.6	70.4	71.9	73.7	74.0
41.7	46.5	50.6	54.2	58.0	61.3	63.6	66.0	68.2	69.8	71.2	72.5	73.9	74.0
43.4	47.6	51.7	55.0	58.5	61.2	63.8	66.2	67.8	69.6	71.2	72.3	73.7	74.0
44.8	48.8	52.9	55.9	59.0	61.8	64.1	66.4	68.4	70.3	71.6	72.6	73.8	74.0
46.2	49.7	53.3	56.4	59.8	62.3	64.7	66.8	68.7	70.0	71.3	72.3	73.5	74.0
47.0	50.7	54.6	57.5	60.2	62.7	65.2	67.1	69.0	70.6	71.6	72.8	74.1	74.0
47.9	51.5	54.9	57.7	60.6	62.9	65.2	67.4	68.9	70.3	71.7	72.7	73.8	74.0
48.6	51.9	55.1	58.3	61.1	63.1	65.5	67.4	69.1	70.7	71.8	72.8	73.9	74.0
48.9	52.0	55.4	58.4	61.2	63.3	65.7	67.3	69.3	70.5	71.7	72.7	73.9	74.0
35.8	41.8	46.3	50.5	54.5	58.2	61.4	64.1	66.5	68.5	70.2	71.5	73.4	74.0
18.6	27.1	34.2	40.6	46.2	51.5	56.2	59.9	63.4	66.5	68.8	70.8	73.1	74.0
37.7	42.8	48.3	52.2	55.3	59.4	61.9	64.6	67.0	69.0	70.7	71.9	73.5	74.0
18.9	27.4	34.3	40.6	46.3	51.7	56.0	60.2	63.6	66.3	68.6	70.9	73.1	74.0
37.4	42.8	47.3	51.2	55.3	58.8	61.5	64.4	67.2	68.5	70.4	71.7	73.5	74.0
9.1	18.9	26.7	34.3	41.0	48.0	52.8	57.7	62.0	65.2	68.2	70.4	73.2	74.0
35.6	41.4	47.2	51.7	55.2	58.5	61.6	64.3	67.0	68.6	70.4	71.9	73.5	74.0
25.9	32.9	39.0	44.6	49.5	54.4	58.2	61.9	64.8	67.4	69.6	71.0	73.4	74.0
25.8	33.1	39.0	44.4	49.6	54.1	58.0	61.8	65.0	67.4	69.3	71.1	73.3	74.0

Table A27 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.3	T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25
88	26+22.4	-20.1	16.0	16.3	16.2	16.2	15.8	14.7	13.7	12.1	11.6	14.1
89	26+13.9	-20.1	16.0	16.3	16.4	16.0	15.7	14.3	13.0	10.9	10.6	13.2
90	26+30.3	-20.1	16.0	16.6	16.5	16.3	16.3	15.4	15.2	12.1	11.4	14.1
91	26+25.7	-20.1	16.0	16.6	16.7	16.2	16.0	15.3	14.6	10.9	10.5	13.5
92	26+43.3	-24.1	16.0	16.4	16.5	16.1	15.8	14.5	13.6	12.3	11.3	13.7
93	26+43.3	-24.1	16.0	16.6	16.9	16.6	16.2	14.3	13.5	12.7	10.0	14.6
94	26+48.3	-24.0	16.0	16.3	16.3	15.8	16.1	14.6	14.7	12.1	14.3	16.8
95	26+48.3	-24.0	16.0	16.7	16.6	16.4	15.5	14.1	12.4	10.4	9.7	11.8
96	26+53.3	-23.1	16.0	16.4	16.4	16.0	16.3	16.3	15.7	15.2	19.5	15.9
97	26+53.3	-23.1	16.0	16.2	16.3	16.4	15.5	15.3	11.7	12.4	10.8	16.0
98	26+53.3	-23.1	16.0	16.3	17.4	18.4	21.8	26.7	30.6	32.1	43.2	44.7
99	26+58.3	-22.7	16.0	16.1	16.5	16.3	16.4	17.4	16.2	17.7	16.0	20.4
100	26+58.3	-22.7	16.0	16.6	16.5	16.1	17.2	18.7	14.3	18.0	16.0	22.9
101	26+58.3	-22.7	16.0	16.5	16.7	16.7	17.1	16.1	17.6	14.7	15.7	17.9
102	26+58.3	-22.7	16.0	16.5	16.7	17.1	16.9	18.5	16.4	15.4	19.6	16.8
103	26+68.3	-22.1	16.0	16.7	16.8	16.9	16.8	16.9	17.8	19.5	20.0	26.4
104	26+68.3	-22.1	16.0	16.4	16.5	16.8	17.4	17.4	18.8	22.1	20.6	26.7
105	26+68.3	-22.1	16.0	16.4	17.0	17.4	18.2	18.5	18.9	19.7	22.5	23.0
106	26+68.3	-22.1	16.0	16.6	17.0	17.7	18.2	18.7	21.3	18.5	19.9	25.0
107	26+78.3	-21.5	16.0	16.6	16.8	17.1	18.0	18.6	20.1	21.1	22.7	26.6
108	26+78.3	-21.5	16.0	16.2	16.8	16.8	17.5	18.2	19.2	20.6	21.6	24.9
109	26+78.3	-21.5	16.0	16.4	17.3	17.5	18.7	19.2	21.1	22.9	24.8	26.3
110	26+78.3	-21.5	16.0	16.1	17.3	17.4	18.2	19.3	21.7	23.3	24.7	27.0
111	26+88.3	-20.9	16.0	16.2	16.6	17.2	18.0	19.7	21.2	23.2	24.9	27.3
112	26+88.3	-20.9	16.0	16.1	16.8	16.9	17.7	18.6	20.3	21.0	23.2	25.3
113	26+88.3	-20.9	16.0	16.4	17.1	17.3	18.1	19.3	21.5	22.4	23.0	26.1
114	26+88.3	-20.9	16.0	16.4	17.2	17.7	19.0	20.2	23.2	24.5	27.0	30.4
115	26+93.3	-20.6	16.0	16.3	16.7	16.9	18.4	19.5	21.4	23.9	25.6	29.4
116	26+93.3	-20.6	16.0	16.1	16.4	16.6	17.8	18.5	19.6	20.3	21.9	25.2
117	26+93.3	-20.6	16.0	15.9	16.5	16.7	17.1	17.2	18.6	19.3	19.7	22.9
118	26+93.3	-20.6	16.0	16.1	16.7	17.3	18.6	20.3	23.3	25.4	28.1	31.2
119	26+95.3	-20.6	16.0	16.3	16.8	17.0	18.1	20.0	21.0	23.9	26.2	29.7

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25.9	T=180 LC=28.9	T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T
16.2	16.2	15.8	14.7	13.7	12.1	11.6	14.1	18.4	25.6	32.8	39.2	44.9	49.9	54.6	5
16.4	16.0	15.7	14.3	13.0	10.9	10.6	13.2	18.3	24.9	32.2	38.3	44.0	49.2	53.6	5
16.5	16.3	16.3	15.4	15.2	12.1	11.4	14.1	18.2	24.9	32.0	38.3	44.1	49.4	54.2	5
16.7	16.2	16.0	15.3	14.6	10.9	10.5	13.5	18.2	24.6	31.9	38.0	44.0	49.0	53.9	5
16.5	16.1	15.8	14.5	13.6	12.3	11.3	13.7	18.1	25.3	32.7	38.9	44.1	49.3	53.8	5
16.9	16.6	16.2	14.3	13.5	12.7	10.0	14.6	17.0	25.0	31.3	39.7	44.8	48.4	53.7	5
16.3	15.8	16.1	14.6	14.7	12.1	14.3	16.8	19.0	25.9	33.6	39.9	44.5	48.6	54.8	5
16.6	16.4	15.5	14.1	12.4	10.4	9.7	11.8	17.6	23.5	31.9	38.2	43.2	49.3	53.6	5
16.4	16.0	16.3	16.3	15.7	15.2	19.5	15.9	22.8	27.0	35.5	42.1	46.8	51.5	53.6	5
16.3	16.4	15.5	15.3	11.7	12.4	10.8	16.0	15.9	24.5	32.1	38.9	45.2	49.4	53.2	5
17.4	18.4	21.8	26.7	30.6	32.1	43.2	44.7	47.4	46.5	52.7	52.9	56.2	59.6	62.6	6
16.5	16.3	16.4	17.4	16.2	17.7	16.0	20.4	22.2	29.0	37.9	40.8	46.3	51.5	55.4	5
16.5	16.1	17.2	18.7	14.3	18.0	16.0	22.9	20.5	30.7	33.3	43.3	47.6	51.6	55.5	5
16.7	16.7	17.1	16.1	17.6	14.7	15.7	17.9	22.6	29.3	37.6	42.8	47.9	51.3	55.9	5
16.7	17.1	16.9	18.5	16.4	15.4	19.6	16.8	23.6	27.9	37.2	42.8	47.5	52.5	57.4	5
16.8	16.9	16.8	16.9	17.8	19.5	20.0	26.4	25.9	34.5	38.7	43.9	49.9	54.3	56.7	6
16.5	16.8	17.4	17.4	18.8	22.1	20.6	26.7	24.7	32.7	38.2	41.7	50.3	54.5	57.9	6
17.0	17.4	18.2	18.5	18.9	19.7	22.5	23.0	28.9	33.9	40.1	44.3	49.9	54.4	58.0	6
17.0	17.7	18.2	18.7	21.3	18.5	19.9	25.0	29.9	32.4	41.7	43.8	50.2	53.9	58.1	6
16.8	17.1	18.0	18.6	20.1	21.1	22.7	26.6	29.1	34.7	39.5	45.4	49.7	54.8	57.7	6
16.8	16.8	17.5	18.2	19.2	20.6	21.6	24.9	28.1	34.5	39.9	44.9	48.9	53.8	57.1	6
17.3	17.5	18.7	19.2	21.1	22.9	24.8	26.3	30.2	37.0	42.3	46.6	50.7	54.2	58.4	6
17.3	17.4	18.2	19.3	21.7	23.3	24.7	27.0	30.7	36.5	42.2	46.2	50.3	55.0	58.3	6
16.6	17.2	18.0	19.7	21.2	23.2	24.9	27.3	28.8	32.7	38.0	43.4	48.2	52.7	56.6	6
16.8	16.9	17.7	18.6	20.3	21.0	23.2	25.3	29.5	33.8	39.8	45.5	50.1	54.3	57.5	6
17.1	17.3	18.1	19.3	21.5	22.4	23.0	26.1	30.0	35.9	41.3	46.2	49.9	54.2	58.0	6
17.2	17.7	19.0	20.2	23.2	24.5	27.0	30.4	33.2	39.4	44.0	48.7	52.4	55.9	59.2	6
16.7	16.9	18.4	19.5	21.4	23.9	25.6	29.4	32.1	36.6	41.9	47.3	51.2	55.1	58.4	6
16.4	16.6	17.8	18.5	19.6	20.3	21.9	25.2	28.2	33.3	39.7	45.0	49.2	53.6	57.1	6
16.5	16.7	17.1	17.2	18.6	19.3	19.7	22.9	27.2	32.9	39.2	44.2	48.9	53.4	57.1	6
16.7	17.3	18.6	20.3	23.3	25.4	28.1	31.2	33.8	39.4	44.2	48.5	52.6	56.1	59.3	6
16.8	17.0	18.1	20.0	21.0	23.9	26.2	29.7	32.1	37.3	43.7	47.3	50.3	54.3	57.9	6

age Piezometer Readings, Prototype Feet of Water

T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7	T=660 LC=63.7	T=720 LC=65.9	T=780 LC=68.1	T=840 LC=69.9	T=900 LC=71.3	T=1020 LC=73.1	T=1260 LC=74.0
25.6	32.8	39.2	44.9	49.9	54.6	59.0	62.4	66.0	68.7	71.4	73.1	73.5	74.0
24.9	32.2	38.3	44.0	49.2	53.6	57.9	61.5	64.5	67.2	69.1	70.6	73.0	74.0
24.9	32.0	38.3	44.1	49.4	54.2	58.2	61.9	65.0	67.3	69.7	71.5	73.6	74.0
24.6	31.9	38.0	44.0	49.0	53.9	58.3	61.9	64.5	67.1	69.4	71.1	73.2	74.0
25.3	32.7	38.9	44.1	49.3	53.8	58.0	61.7	64.5	67.3	69.6	71.1	73.5	74.0
25.0	31.3	39.7	44.8	48.4	53.7	57.7	61.3	65.2	67.4	69.7	71.1	73.5	74.0
25.9	33.6	39.9	44.5	48.6	54.8	58.4	60.6	64.5	67.7	69.0	71.1	73.3	74.0
23.5	31.9	38.2	43.2	49.3	53.6	57.6	61.5	64.2	67.3	69.6	71.1	73.4	74.0
27.0	35.5	42.1	46.8	51.5	53.6	59.1	62.5	65.0	67.7	69.8	71.2	73.4	74.0
24.5	32.1	38.9	45.2	49.4	53.2	58.0	61.6	63.9	67.2	68.4	70.6	73.0	74.0
46.5	52.7	52.9	56.2	59.6	62.6	65.1	66.9	68.2	70.1	71.4	72.3	73.6	74.0
29.0	37.9	40.8	46.3	51.5	55.4	59.5	62.8	65.2	67.9	69.7	71.3	73.4	74.0
30.7	33.3	43.3	47.6	51.6	55.5	59.4	62.7	65.8	67.9	70.3	71.4	73.4	74.0
29.3	37.6	42.8	47.9	51.3	55.9	59.1	62.8	65.8	67.9	70.0	71.3	73.4	74.0
27.9	37.2	42.8	47.5	52.5	57.4	58.9	63.8	65.6	68.6	69.8	71.9	73.6	74.0
34.5	38.7	43.9	49.9	54.3	56.7	61.3	64.5	66.3	68.4	70.0	71.6	73.1	74.0
32.7	38.2	41.7	50.3	54.5	57.9	60.9	63.6	65.6	68.7	70.7	71.6	73.7	74.0
33.9	40.1	44.3	49.9	54.4	58.0	61.1	64.0	66.0	68.1	70.3	71.2	73.4	74.0
32.4	41.7	43.8	50.2	53.9	58.1	61.6	63.9	66.6	68.7	70.1	71.5	73.1	74.0
34.7	39.5	45.4	49.7	54.8	57.7	61.1	64.4	66.6	68.6	70.0	71.3	73.1	74.0
34.5	39.9	44.9	48.9	53.8	57.1	60.5	63.4	65.8	68.2	69.7	71.3	73.4	74.0
37.0	42.3	46.6	50.7	54.2	58.4	61.4	64.0	66.7	69.1	70.6	71.4	73.3	74.0
36.5	42.2	46.2	50.3	55.0	58.3	61.4	63.7	66.4	68.4	70.2	71.5	73.3	74.0
32.7	38.0	43.4	48.2	52.7	56.6	60.1	63.2	65.9	68.0	70.0	71.4	73.2	74.0
33.8	39.8	45.5	50.1	54.3	57.5	61.0	63.7	66.2	68.3	70.2	71.5	73.5	74.0
35.9	41.3	46.2	49.9	54.2	58.0	61.2	64.2	67.1	69.4	71.4	72.9	73.8	74.0
39.4	44.0	48.7	52.4	55.9	59.2	62.0	65.1	67.2	69.1	70.6	71.7	73.8	74.0
36.6	41.9	47.3	51.2	55.1	58.4	61.7	64.3	66.4	68.6	70.3	71.5	73.5	74.0
33.3	39.7	45.0	49.2	53.6	57.1	60.6	63.3	65.8	67.9	69.9	71.5	73.2	74.0
32.9	39.2	44.2	48.9	53.4	57.1	60.4	63.6	65.9	68.1	70.5	71.2	73.3	74.0
39.4	44.2	48.5	52.6	56.1	59.3	62.8	64.7	66.7	68.9	70.6	72.1	73.4	74.0
37.3	43.7	47.3	50.3	54.3	57.9	61.2	63.9	66.5	68.1	69.8	71.2	73.1	74.0

Table A27 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.3	T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=2
120	26+95.3	-20.6	16.0	16.5	16.5	16.7	17.4	18.3	19.5	20.7	22.0	25.3
121	26+95.3	-20.6	16.0	16.0	16.1	16.6	17.0	17.2	18.3	19.1	19.7	22.7
122	26+95.3	-20.6	16.0	16.3	17.1	17.9	18.9	20.6	23.6	26.3	28.2	31.8
123	27+08.1	-24.25	16.0	16.4	16.7	17.5	18.1	19.8	21.9	24.0	26.7	28.3
123A	27+08.1	-24.25	16.0	16.5	16.7	17.5	18.2	19.4	21.2	22.8	23.4	26.9
124	27+18.1	-24.25	16.0	16.5	17.4	17.7	19.3	21.3	23.1	26.2	29.2	31.0
125	27+28.1	-24.25	16.0	15.9	16.8	17.1	18.2	20.0	21.2	23.9	26.1	28.6
126	27+38.1	-24.25	16.0	16.1	16.9	17.9	19.3	21.9	24.7	28.5	32.1	34.1
127	27+48.1	-24.25	16.0	16.3	16.2	17.2	18.2	20.2	23.1	26.3	29.9	32.8
128	27+58.1	-24.25	16.0	16.1	16.6	17.7	19.2	21.1	24.5	28.0	31.6	34.4
129	27+68.1	-24.25	16.0	16.3	16.6	17.7	19.0	21.6	24.6	28.2	31.9	35.0
130	27+78.1	-24.25	16.0	16.1	16.5	17.8	19.4	22.2	25.8	30.0	33.8	36.5
131	27+88.1	-24.25	16.0	15.9	16.6	17.8	19.5	22.6	25.8	30.2	34.1	36.9
131A	27+88.1	-24.25	16.0	16.4	16.5	16.9	18.3	19.7	21.5	23.8	26.0	28.8
132	26+14.0	-24.25	16.0	17.1	18.7	20.1	23.3	27.0	31.1	35.7	39.5	42.3
133	26+22.5	-24.25	16.0	17.4	19.1	20.4	23.6	26.8	31.7	35.8	38.8	43.0
134	26+70.0	-17.0	16.0	17.6	19.0	20.9	24.4	27.8	33.0	36.8	39.8	42.0
134A	26+70.0	-17.0	16.0	16.3	16.7	15.9	16.2	15.0	14.2	12.5	12.2	14.8
135	27+85.0	-17.0	16.0	17.5	18.1	20.0	22.8	25.9	31.3	35.6	38.6	41.0
135A	27+85.0	-17.0	16.0	15.9	16.5	15.5	15.9	14.5	14.0	12.5	12.1	14.2
136	28+60.0	-18.0	16.0	17.9	18.4	20.9	23.6	27.5	32.3	37.1	40.3	43.0
136A	28+60.0	-18.0	16.0	16.1	16.9	15.7	16.1	14.4	14.1	12.5	12.0	14.6
137	28+72.0	-18.0	16.0	16.8	18.0	19.2	22.2	25.9	30.2	35.0	38.8	42.0
137A	28+72.0	-18.0	16.0	15.8	16.7	15.2	15.8	14.1	13.8	12.1	11.7	14.2
161	22+57.6	-24.0	16.0	14.3	10.3	6.6	5.2	7.0	16.9	34.7	42.3	43.3
162	22+57.6	-26.4	16.0	17.7	14.2	11.3	10.8	11.0	18.0	34.1	42.9	43.9
163	22+60.6	-24.0	16.0	14.1	10.3	7.3	0.8	3.5	17.4	36.7	43.7	44.7
164	22+60.6	-26.4	16.0	15.3	13.8	11.9	9.9	11.5	18.1	33.7	41.3	42.8

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=16.7	T=45 LC=17.3	T=60 LC=17.5	T=75 LC=18.7	T=90 LC=19.7	T=105 LC=20.9	T=120 LC=22.6	T=150 LC=25.9	T=180 LC=28.9	T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T L
6.5	16.7	17.4	18.3	19.5	20.7	22.0	25.3	28.4	33.9	39.1	44.0	48.5	52.9	56.6	6
6.1	16.6	17.0	17.2	18.3	19.1	19.7	22.7	26.4	32.3	38.4	43.2	47.9	52.4	56.2	5
7.1	17.9	18.9	20.6	23.6	26.3	28.2	31.8	34.0	40.3	45.3	49.5	53.1	56.5	60.0	6
6.7	17.5	18.1	19.8	21.9	24.0	26.7	28.3	32.0	37.3	42.6	47.1	51.2	55.1	58.7	6
6.7	17.5	18.2	19.4	21.2	22.8	23.4	26.9	30.4	36.4	41.3	46.5	51.0	54.8	58.3	6
7.4	17.7	19.3	21.3	23.1	26.2	29.2	31.0	34.9	39.7	44.3	48.7	52.8	56.2	59.6	6
6.8	17.1	18.2	20.0	21.2	23.9	26.1	28.6	33.7	38.8	44.0	48.1	52.2	55.5	59.1	6
6.9	17.9	19.3	21.9	24.7	28.5	32.1	34.1	37.3	42.7	47.0	49.7	52.9	56.2	59.2	6
6.2	17.2	18.2	20.2	23.1	26.3	29.9	32.8	35.6	40.5	44.7	48.8	52.4	56.0	59.1	6
6.6	17.7	19.2	21.1	24.5	28.0	31.6	34.4	36.7	41.5	45.8	49.6	53.5	56.4	59.1	6
6.6	17.7	19.0	21.6	24.6	28.2	31.9	35.0	38.0	42.3	46.9	50.9	54.4	57.6	60.7	6
6.5	17.8	19.4	22.2	25.8	30.0	33.8	36.5	39.0	43.2	47.7	51.7	54.9	58.1	60.9	6
6.6	17.8	19.5	22.6	25.8	30.2	34.1	36.9	39.3	43.7	47.8	51.9	55.2	58.5	61.6	6
6.5	16.9	18.3	19.7	21.5	23.8	26.0	28.8	31.8	37.6	42.7	47.1	51.5	55.4	58.6	6
8.7	20.1	23.3	27.0	31.1	35.7	39.5	42.3	44.5	48.8	52.3	56.0	58.6	61.3	63.5	6
9.1	20.4	23.6	26.8	31.7	35.8	38.8	43.0	44.6	48.7	51.2	54.5	57.5	60.6	62.8	6
9.0	20.9	24.4	27.8	33.0	36.8	39.8	42.0	45.2	49.7	52.8	56.3	58.8	61.4	63.4	6
6.7	15.9	16.2	15.0	14.2	12.5	12.2	14.8	18.2	25.9	32.7	38.8	44.4	49.5	54.0	5
8.1	20.0	22.8	25.9	31.3	35.6	38.6	41.0	44.1	48.2	51.7	55.0	58.0	61.1	63.0	6
6.5	15.5	15.9	14.5	14.0	12.5	12.1	14.2	18.1	25.5	32.5	38.5	44.3	49.2	53.7	5
8.4	20.9	23.6	27.5	32.3	37.1	40.3	43.0	45.6	49.6	54.0	57.3	60.5	62.6	63.9	6
6.9	15.7	16.1	14.4	14.1	12.5	12.0	14.6	18.1	25.7	32.5	38.7	44.4	49.3	53.9	5
8.0	19.2	22.2	25.9	30.2	35.0	38.8	42.0	44.3	48.2	52.0	55.2	58.3	61.3	63.3	6
6.7	15.2	15.8	14.1	13.8	12.1	11.7	14.2	18.3	25.5	32.3	38.1	44.0	49.1	53.7	5
0.3	6.6	5.2	7.0	16.9	34.7	42.3	43.3	45.6	49.8	53.2	56.6	59.4	61.6	63.9	6
4.2	11.3	10.8	11.0	18.0	34.1	42.9	43.9	46.2	49.8	53.3	56.6	59.5	61.9	64.2	6
0.3	7.3	0.8	3.5	17.4	36.7	43.7	44.7	46.9	50.6	54.3	57.1	60.1	62.3	64.5	6
3.8	11.9	9.9	11.5	18.1	33.7	41.3	42.8	44.8	48.6	51.9	55.3	58.3	60.7	62.9	6

verage Piezometer Readings, Prototype Feet of Water

T=240 LC=34.9	T=300 LC=40.2	T=360 LC=45.3	T=420 LC=49.9	T=480 LC=54.1	T=540 LC=57.5	T=600 LC=60.7	T=660 LC=63.7	T=720 LC=65.9	T=780 LC=68.1	T=840 LC=69.9	T=900 LC=71.3	T=1020 LC=73.1	T=1260 LC=74.0
33.9	39.1	44.0	48.5	52.9	56.6	60.1	63.1	65.4	67.8	69.7	71.2	73.3	74.0
32.3	38.4	43.2	47.9	52.4	56.2	59.8	62.7	65.3	67.9	69.4	71.3	73.5	74.0
40.3	45.3	49.5	53.1	56.5	60.0	62.7	65.1	67.3	68.9	71.1	71.8	73.6	74.0
37.3	42.6	47.1	51.2	55.1	58.7	61.8	64.6	66.6	68.8	70.3	71.6	73.5	74.0
36.4	41.3	46.5	51.0	54.8	58.3	61.6	64.3	66.7	69.0	70.5	72.0	73.6	74.0
39.7	44.3	48.7	52.8	56.2	59.6	62.4	65.0	67.2	69.0	70.6	71.7	73.2	74.0
38.8	44.0	48.1	52.2	55.5	59.1	61.7	64.2	66.9	68.4	70.1	71.4	73.3	74.0
42.7	47.0	49.7	52.9	56.2	59.2	62.0	64.8	66.8	68.7	70.5	71.7	73.4	74.0
40.5	44.7	48.8	52.4	56.0	59.1	61.4	63.9	66.1	67.9	69.5	70.8	72.7	74.0
41.5	45.8	49.6	53.5	56.4	59.1	61.9	64.2	66.2	68.5	69.6	71.0	73.0	74.0
42.3	46.9	50.9	54.4	57.6	60.7	63.4	65.6	67.6	69.5	70.8	72.1	73.7	74.0
43.2	47.7	51.7	54.9	58.1	60.9	63.7	66.0	67.8	69.6	70.9	72.2	73.5	74.0
43.7	47.8	51.9	55.2	58.5	61.6	63.5	66.2	67.7	69.5	70.8	72.0	73.5	74.0
37.6	42.7	47.1	51.5	55.4	58.6	61.7	64.4	66.7	68.5	70.3	71.7	73.4	74.0
48.8	52.3	56.0	58.8	61.3	63.5	65.7	67.5	69.2	70.6	71.6	72.6	73.9	74.0
48.7	51.2	54.5	57.5	60.6	62.8	65.0	67.0	68.6	70.2	71.2	72.2	73.5	74.0
49.7	52.8	56.3	58.8	61.4	63.4	65.9	67.5	69.3	70.5	71.7	72.6	73.7	74.0
25.9	32.7	38.8	44.4	49.5	54.0	58.0	61.5	64.2	67.1	69.2	71.0	73.1	74.0
48.2	51.7	55.0	58.0	61.1	63.0	65.2	67.2	68.6	70.2	71.2	72.3	73.5	74.0
25.5	32.5	38.5	44.3	49.2	53.7	57.7	61.5	64.6	67.1	69.1	70.9	73.3	74.0
49.6	54.0	57.3	60.5	62.6	63.9	65.4	66.9	68.3	69.7	70.8	71.7	73.2	74.0
25.7	32.5	38.7	44.4	49.3	53.9	57.8	61.3	64.4	67.2	69.3	71.3	73.5	74.0
48.2	52.0	55.2	58.3	61.3	63.3	65.6	67.4	68.7	70.6	71.7	72.6	73.7	74.0
25.5	32.3	38.1	44.0	49.1	53.7	58.0	61.3	64.3	66.9	69.2	70.7	73.0	74.0
49.8	53.2	56.6	59.4	61.6	63.9	66.0	67.8	69.3	70.5	71.6	72.5	73.5	74.0
49.8	53.3	56.6	59.5	61.9	64.2	66.4	68.1	69.3	70.6	71.9	72.6	73.5	74.0
50.6	54.3	57.1	60.1	62.3	64.5	66.5	68.0	69.5	70.9	71.6	72.8	73.7	74.0
48.6	51.9	55.3	58.3	60.7	62.9	65.2	66.5	68.4	69.6	70.9	71.7	73.1	74.0

Table A28
H Pattern System Average Piezometer Reading During Filling Operation, Type 14 Design, Upper

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=15 LC=2
1	21+17.8	-16.0	74.0	74.0	74.0	73.9	73.9	73.7	73.7	73.8	73.2	73.0
2	21+25.2	-16.0	74.0	74.1	73.9	74.1	73.7	73.6	73.7	73.6	73.3	72.8
3	21+22.9	-16.0	74.0	73.6	73.9	73.7	73.7	73.4	73.4	73.3	73.2	73.0
4	21+29.5	-16.0	74.0	74.1	74.2	74.1	74.0	73.9	73.9	73.6	73.2	72.5
5	21+39.4	-16.0	74.0	73.8	73.9	73.9	73.7	73.3	73.3	72.7	72.9	72.4
6	21+36.2	-16.0	74.0	74.1	74.0	74.0	73.7	73.7	73.6	73.4	72.8	72.3
7	21+42.5	-16.0	74.0	73.8	73.9	73.9	73.6	73.6	73.0	72.6	71.6	70.3
8	21+53.8	-16.0	74.0	74.0	73.9	73.7	73.7	73.2	73.6	72.7	72.4	71.3
9	21+49.7	-16.0	74.0	73.9	73.8	73.9	73.4	73.3	73.0	72.7	72.2	71.1
10	21+55.9	-16.0	74.0	73.7	73.8	73.7	73.5	73.2	72.7	72.3	71.4	69.9
11	21+70.0	-13.6	74.0	73.9	73.8	73.4	73.5	73.1	72.9	72.1	71.4	68.1
12	21+85.0	-17.0	74.0	73.9	73.6	73.4	72.5	71.7	70.3	69.1	67.3	62.3
13	21+91.0	-17.0	74.0	73.7	73.5	73.3	72.4	71.6	70.6	69.3	67.4	63.1
13A	21+91.0	-17.0	74.0	73.8	73.8	74.0	73.8	73.8	73.5	73.1	73.8	73.2
14	22+05.0	-17.0	74.0	73.6	73.5	73.0	72.3	71.4	70.5	69.0	66.8	61.7
14A	22+05.0	-17.0	74.0	73.7	73.2	73.1	72.3	72.0	71.4	71.1	70.6	69.8
15	22+52.1	-17.0	16.0	17.7	14.3	10.0	9.2	5.7	4.3	3.9	1.5	4.7
15A	22+52.1	-17.0	16.0	16.1	16.5	16.0	16.7	16.3	16.6	16.6	16.8	16.7
16	21+53.5	-17.0	16.0	16.1	14.1	10.5	8.1	6.5	6.2	1.3	2.0	5.0
17	22+59.1	-16.9	16.0	18.0	14.1	11.0	9.1	6.3	5.2	2.4	2.7	4.6
18	22+62.6	-16.8	16.0	18.0	13.6	10.7	10.7	3.8	5.4	2.7	2.1	6.0
19	22+69.1	-16.6	16.0	18.6	15.7	11.5	11.5	5.3	9.3	4.2	8.8	10.2
20	22+76.6	-16.5	16.0	19.0	17.7	16.7	16.2	9.4	12.3	16.5	17.9	15.2
21	22+90.6	-16.5	16.0	19.2	18.6	18.2	19.8	18.2	20.1	23.6	22.4	27.2
21A	22+90.6	-16.5	16.0	15.9	16.6	16.3	16.7	16.3	16.7	16.6	16.9	17.2
22	23+50.0	-16.5	16.0	14.4	15.0	14.2	15.4	16.5	19.2	20.5	22.5	28.3
23	24+50.0	-16.5	16.0	18.2	18.1	18.1	19.5	19.9	21.3	22.5	25.2	27.5
24	25+50.0	-16.5	16.0	18.0	18.1	17.9	19.3	20.0	21.0	22.9	24.8	29.6
24A	25+50.0	-16.5	16.0	16.2	16.6	16.1	16.7	16.2	17.0	16.6	16.8	17.0
25	26+04.3	-24.25	16.0	17.4	17.4	17.6	18.9	19.3	20.7	22.5	24.5	29.4
26	25+95.9	-24.25	16.0	16.7	17.0	16.9	17.6	17.6	18.3	19.0	19.7	21.3

ading During Filling Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift. Valve Speed 4 Min (Cor

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.5	T=180 LC=22.7	T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5
73.9	73.9	73.7	73.7	73.8	73.2	73.0	72.5	71.8	72.1	72.5	72.3	72.8	73.2	73.3
74.1	73.7	73.6	73.7	73.6	73.3	72.8	72.2	72.0	71.8	72.6	72.7	72.7	73.0	73.2
73.7	73.7	73.4	73.4	73.3	73.2	73.0	72.6	71.5	72.1	72.3	72.7	72.9	73.1	72.9
74.1	74.0	73.9	73.9	73.6	73.2	72.5	71.5	69.5	69.1	69.6	70.3	71.1	71.4	71.7
73.9	73.7	73.3	73.3	72.7	72.9	72.4	71.9	70.8	70.7	71.4	71.2	72.3	72.5	72.6
74.0	73.7	73.7	73.6	73.4	72.8	72.3	71.5	70.4	70.7	71.3	71.6	71.7	72.3	72.5
73.9	73.6	73.6	73.0	72.6	71.6	70.3	68.2	66.0	66.9	67.5	68.9	69.9	70.4	71.2
73.7	73.7	73.2	73.6	72.7	72.4	71.3	70.4	68.4	68.9	69.7	70.3	70.7	71.4	72.2
73.9	73.4	73.3	73.0	72.7	72.2	71.1	69.9	68.3	68.6	69.6	70.0	70.7	71.1	71.7
73.7	73.5	73.2	72.7	72.3	71.4	69.9	67.8	64.4	65.0	66.5	67.7	68.8	69.5	70.4
73.4	73.5	73.1	72.9	72.1	71.4	68.1	60.2	51.5	54.3	58.0	62.4	65.0	64.4	64.6
73.4	72.5	71.7	70.3	69.1	67.3	62.3	56.7	48.8	51.3	54.4	57.7	60.4	62.6	64.4
73.3	72.4	71.6	70.6	69.3	67.4	63.1	57.3	50.2	52.4	55.6	58.6	60.9	63.2	65.6
74.0	73.8	73.8	73.5	73.1	73.8	73.2	73.4	73.4	73.6	73.6	73.8	73.6	73.8	73.6
73.0	72.3	71.4	70.5	69.0	66.8	61.7	55.9	47.3	50.3	53.6	56.8	59.8	62.3	64.6
73.1	72.3	72.0	71.4	71.1	70.6	69.8	68.7	67.5	69.4	72.3	74.6	76.9	78.3	79.3
10.0	9.2	5.7	4.3	3.9	1.5	4.7	12.8	44.5	48.5	52.0	55.3	58.6	61.1	63.4
16.0	16.7	16.3	16.6	16.6	16.8	16.7	16.5	19.3	26.1	32.8	39.0	44.6	49.9	54.1
10.5	8.1	6.5	6.2	1.3	2.0	5.0	13.2	37.5	39.6	44.5	48.3	53.2	56.2	59.5
11.0	9.1	6.3	5.2	2.4	2.7	4.6	18.5	46.3	50.4	53.3	56.8	59.6	62.3	64.3
10.7	10.7	3.8	5.4	2.7	2.1	6.0	16.3	46.4	50.5	53.6	56.7	59.7	62.1	64.2
11.5	11.5	5.3	9.3	4.2	8.8	10.2	23.8	47.7	52.2	56.4	60.0	63.5	65.6	67.6
16.7	16.2	9.4	12.3	16.5	17.9	15.2	30.7	45.2	49.2	52.7	55.7	58.8	61.2	63.9
18.2	19.8	18.2	20.1	23.6	22.4	27.2	35.8	44.8	48.7	52.3	55.4	58.6	61.3	64.1
16.3	16.7	16.3	16.7	16.6	16.9	17.2	17.0	19.0	26.0	33.0	38.9	44.8	49.8	54.5
14.2	15.4	16.5	19.2	20.5	22.5	28.3	33.1	41.6	45.8	50.0	53.5	56.9	59.8	62.3
18.1	19.5	19.9	21.3	22.5	25.2	27.5	27.7	28.4	30.1	35.5	41.6	47.8	52.3	56.0
17.9	19.3	20.0	21.0	22.9	24.8	29.6	33.6	42.4	46.8	48.1	50.8	53.1	56.8	59.9
16.1	16.7	16.2	17.0	16.6	16.8	17.0	17.0	19.2	26.3	32.7	39.2	44.9	49.9	54.3
17.6	18.9	19.3	20.7	22.5	24.5	29.4	34.3	45.5	48.3	52.5	55.9	58.7	61.6	64.0
16.9	17.6	17.6	18.3	19.0	19.7	21.3	22.7	27.6	33.1	39.5	44.8	49.4	53.6	57.3

, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 4 Min (Constant Speed Gate), Single Valve Operation

Piezometer Readings, Prototype Feet of Water

T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7	T=720 LC=63.5	T=780 LC=66.2	T=840 LC=68.1	T=900 LC=70.0	T=1020 LC=72.5	T=1260 LC=74.0
71.8	72.1	72.5	72.3	72.8	73.2	73.3	73.5	73.8	73.8	73.8	74.1	74.2	74.0
72.0	71.8	72.6	72.7	72.7	73.0	73.2	73.3	73.3	73.6	73.7	73.7	74.0	74.0
71.5	72.1	72.3	72.7	72.9	73.1	72.9	73.1	73.2	73.3	73.5	73.7	73.9	74.0
69.5	69.1	69.6	70.3	71.1	71.4	71.7	72.0	72.6	72.9	73.3	73.5	73.6	74.0
70.8	70.7	71.4	71.2	72.3	72.5	72.6	72.8	73.4	73.6	73.4	73.7	74.2	74.0
70.4	70.7	71.3	71.6	71.7	72.3	72.5	72.6	73.2	73.4	73.3	73.6	73.8	74.0
66.0	66.9	67.5	68.9	69.9	70.4	71.2	71.8	72.5	72.7	73.1	73.5	74.1	74.0
68.4	68.9	69.7	70.3	70.7	71.4	72.2	72.1	72.6	72.9	73.3	73.5	73.8	74.0
68.3	68.6	69.6	70.0	70.7	71.1	71.7	72.1	72.4	73.0	73.0	73.3	73.3	74.0
64.4	65.0	66.5	67.7	68.8	69.5	70.4	71.2	71.9	72.4	72.8	73.2	73.6	74.0
51.5	54.3	58.0	62.4	65.0	64.4	64.6	65.8	67.2	68.6	70.1	70.9	72.3	74.0
48.8	51.3	54.4	57.7	60.4	62.6	64.4	66.7	68.1	69.7	70.8	71.7	72.8	74.0
50.2	52.4	55.6	58.6	60.9	63.2	65.6	67.3	68.5	70.1	71.0	72.1	73.3	74.0
73.4	73.6	73.6	73.8	73.6	73.8	73.6	73.4	73.4	73.7	73.9	73.7	73.9	74.0
47.3	50.3	53.6	56.8	59.8	62.3	64.6	66.3	67.8	69.6	70.7	71.8	73.2	74.0
67.5	69.4	72.3	74.6	76.9	78.3	79.3	80.5	81.0	81.8	81.5	81.4	79.8	74.0
44.5	48.5	52.0	55.3	58.6	61.1	63.4	65.6	67.1	69.0	70.3	71.8	72.9	74.0
19.3	26.1	32.8	39.0	44.6	49.9	54.1	58.1	61.7	64.5	67.0	69.3	72.3	74.0
37.5	39.6	44.5	48.3	53.2	56.2	59.5	63.0	67.0	69.3	71.1	72.3	73.6	74.0
46.3	50.4	53.3	56.8	59.6	62.3	64.3	66.4	68.0	69.4	70.8	71.5	73.0	74.0
46.4	50.5	53.6	56.7	59.7	62.1	64.2	66.4	68.0	69.6	71.0	71.9	73.3	74.0
47.7	52.2	56.4	60.0	63.5	65.6	67.6	68.5	68.8	69.3	69.6	70.1	72.7	74.0
45.2	49.2	52.7	55.7	58.8	61.2	63.9	65.8	67.4	69.2	70.5	71.7	73.3	74.0
44.8	48.7	52.3	55.4	58.6	61.3	64.1	66.0	67.6	69.4	70.5	71.8	73.3	74.0
19.0	26.0	33.0	38.9	44.8	49.8	54.5	58.8	61.9	65.0	67.6	69.7	72.6	74.0
41.6	45.8	50.0	53.5	56.9	59.8	62.3	64.7	66.9	68.6	70.0	71.1	72.7	74.0
28.4	30.1	35.5	41.6	47.8	52.3	56.0	59.3	62.4	65.2	67.2	68.7	71.6	74.0
42.4	46.8	48.1	50.8	53.1	56.8	59.9	62.6	65.1	67.0	68.8	70.3	72.4	74.0
19.2	26.3	32.7	39.2	44.9	49.9	54.3	58.5	61.7	64.7	67.5	69.3	72.3	74.0
45.5	48.3	52.5	55.9	58.7	61.6	64.0	65.8	67.8	69.1	70.6	71.5	73.0	74.0
27.6	33.1	39.5	44.8	49.4	53.6	57.3	60.7	63.7	66.2	68.2	69.9	72.4	74.0

Table A28 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T= LC
27	26+09.2	-17.0	16.0	17.2	17.2	17.4	18.6	19.1	20.2	21.4	23.1	28
27A	26+09.2	-17.0	16.0	16.3	16.3	16.2	16.6	16.3	16.8	16.7	16.6	16
28	26+01.3	-20.1	16.0	15.9	16.0	16.1	16.0	15.9	15.9	15.7	15.6	15
29	26+12.4	-20.1	16.0	16.9	16.8	16.9	18.0	18.4	19.2	20.0	21.3	24
30	25+96.0	-20.1	16.0	16.7	16.5	16.2	16.4	16.2	15.5	14.9	13.7	12
31	26+04.5	-20.1	16.0	16.3	16.5	16.8	17.1	17.6	18.5	19.3	20.0	23
32	25+88.1	-20.1	16.0	16.6	16.4	16.2	16.1	15.9	15.5	14.6	13.7	12
33	25+92.6	-20.1	16.0	16.1	16.7	16.6	17.3	18.0	18.5	20.0	20.7	23
34	26+01.3	-28.4	16.0	16.1	16.3	16.2	16.5	16.3	16.9	16.7	16.7	16
35	26+12.4	-28.4	16.0	16.2	16.6	16.3	16.5	16.5	16.7	16.7	16.9	16
36	25+96.0	-28.4	16.0	16.1	16.2	16.1	16.3	16.4	16.5	16.5	16.5	16
37	26+04.1	-28.4	16.0	16.1	16.5	16.1	16.7	16.3	16.5	16.6	16.6	16
38	25+88.1	-28.4	16.0	16.1	16.4	16.3	16.6	16.5	16.8	16.5	16.6	16
39	25+92.6	-28.4	16.0	16.1	16.4	16.3	16.5	16.4	16.8	16.7	16.5	16
40	25+75.0	-24.1	16.0	15.9	15.9	16.0	16.1	15.9	16.1	16.4	16.2	16
42	25+70.0	-24.0	16.0	16.2	16.3	16.1	16.1	16.3	15.9	15.9	15.6	15
43	25+70.0	-24.0	16.0	16.4	16.6	16.3	16.3	16.4	16.0	17.0	15.7	16
44	25+65.0	-23.1	16.0	16.3	16.6	16.2	16.4	16.8	16.6	17.3	16.9	17
45	25+65.0	-23.1	16.0	15.9	16.1	16.1	16.2	16.1	16.5	16.7	16.9	17
46	25+65.0	-23.1	16.0	16.3	16.8	16.8	17.9	18.6	20.8	20.6	23.7	28
47	25+60.0	-22.7	16.0	16.3	16.4	16.2	16.3	16.7	16.9	17.2	17.4	18
48	25+60.0	-22.7	16.0	16.2	16.2	16.4	16.9	17.7	17.3	17.6	18.0	18
49	25+60.0	-22.7	16.0	16.3	16.7	16.7	17.2	17.1	17.6	17.7	18.1	19
50	25+60.0	-22.7	16.0	16.5	16.6	16.8	17.1	16.9	17.3	18.3	16.8	19
51	25+50.0	-22.1	16.0	15.8	16.2	16.3	16.7	17.1	17.3	18.2	18.5	19
52	25+50.0	-22.1	16.0	16.3	16.3	16.3	16.8	17.1	17.1	18.3	18.7	19
53	25+50.0	-22.1	16.0	16.1	16.8	16.6	17.3	17.7	18.2	18.9	19.5	21
54	25+50.0	-22.1	16.0	16.2	16.4	16.5	17.3	17.3	18.5	18.7	19.8	22
55	25+40.0	-21.5	16.0	16.3	16.5	16.7	16.9	17.3	17.8	18.0	19.1	21
56	25+40.0	-21.5	16.0	15.7	16.3	16.3	16.8	16.9	17.6	18.3	18.6	21
57	25+40.0	-21.5	16.0	16.5	16.9	17.3	17.6	17.8	18.5	19.1	20.3	23

Average Piezometer Readings, Prototype Feet of Water

T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.5	T=180 LC=22.7	T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7
18.6	19.1	20.2	21.4	23.1	28.6	31.8	35.7	37.9	41.5	46.3	50.6	54.3	57.9	60.6
16.6	16.3	16.8	16.7	16.6	16.8	17.0	18.6	25.3	31.9	38.4	44.2	49.3	53.8	57.5
16.0	15.9	15.9	15.7	15.6	15.0	14.2	12.6	14.4	21.7	29.3	36.6	43.1	48.7	53.8
18.0	18.4	19.2	20.0	21.3	24.8	27.7	34.5	39.5	44.0	49.4	53.0	57.1	60.6	63.0
16.4	16.2	15.5	14.9	13.7	12.5	9.5	8.6	16.6	25.3	33.5	40.6	47.8	53.9	59.0
17.1	17.6	18.5	19.3	20.0	23.1	26.0	34.6	39.7	44.0	48.2	52.4	56.0	59.1	62.2
16.1	15.9	15.5	14.6	13.7	12.2	9.3	8.4	16.5	23.8	31.7	37.7	44.3	50.1	54.6
17.3	18.0	18.5	20.0	20.7	23.4	26.1	32.3	37.8	42.3	47.6	52.6	56.0	59.2	62.3
16.5	16.3	16.9	16.7	16.7	16.9	16.7	18.7	25.5	32.3	38.7	43.9	49.0	53.6	57.4
16.5	16.5	16.7	16.7	16.9	16.8	16.8	18.7	25.5	32.3	38.7	44.5	49.6	54.1	58.2
16.3	16.4	16.5	16.5	16.5	16.6	16.6	17.8	22.8	29.6	35.9	41.9	47.2	51.9	56.2
16.7	16.3	16.5	16.6	16.6	16.9	16.7	18.8	25.6	32.5	39.1	44.6	49.7	53.8	58.2
16.6	16.5	16.8	16.5	16.6	16.9	16.8	18.8	25.5	32.5	38.9	44.3	49.7	54.3	58.0
16.5	16.4	16.8	16.7	16.5	16.6	16.6	17.8	23.5	30.3	36.1	41.9	47.1	52.0	56.2
16.1	15.9	16.1	16.4	16.2	16.3	16.1	16.8	21.3	28.7	35.4	41.6	46.8	51.7	55.9
16.1	16.3	15.9	15.9	15.6	15.0	14.1	14.6	21.5	28.5	36.4	42.3	47.8	52.6	56.8
16.3	16.4	16.0	17.0	15.7	16.1	13.8	14.5	22.6	28.1	35.6	42.7	46.5	52.9	56.3
16.4	16.8	16.6	17.3	16.9	17.8	16.7	19.1	26.0	34.0	38.7	44.5	50.9	54.7	58.4
16.2	16.1	16.5	16.7	16.9	17.1	17.2	19.3	24.5	29.9	35.3	40.8	45.5	50.2	54.5
17.9	18.6	20.8	20.6	23.7	28.9	35.6	47.6	54.2	51.3	56.4	59.4	59.5	64.1	65.9
16.3	16.7	16.9	17.2	17.4	18.4	19.0	22.9	29.1	35.7	42.1	46.2	50.8	55.1	58.6
16.9	17.7	17.3	17.6	18.0	18.9	18.7	22.0	27.8	35.2	43.7	47.0	52.2	55.1	59.2
17.2	17.1	17.6	17.7	18.1	19.0	20.6	24.6	30.1	37.2	42.1	47.4	51.7	56.2	60.3
17.1	16.9	17.3	18.3	16.8	19.4	20.5	21.8	32.0	37.6	42.1	47.9	51.5	57.3	60.4
16.7	17.1	17.3	18.2	18.5	19.7	22.1	27.9	33.0	42.0	47.9	51.8	53.5	56.2	59.5
16.8	17.1	17.1	18.3	18.7	19.6	19.4	26.7	32.7	36.8	44.5	46.5	52.4	56.0	60.1
17.3	17.7	18.2	18.9	19.5	21.8	24.9	30.8	36.3	41.2	45.8	50.8	54.5	58.3	61.4
17.3	17.3	18.5	18.7	19.8	22.9	25.5	29.7	37.4	45.3	45.8	48.8	52.3	56.0	60.0
16.9	17.3	17.8	18.0	19.1	21.4	23.2	29.6	35.4	41.0	46.4	50.0	54.1	57.4	60.9
16.8	16.9	17.6	18.3	18.6	21.0	22.7	28.6	34.4	39.8	45.1	49.7	53.9	57.4	60.5
17.6	17.8	18.5	19.1	20.3	23.0	25.7	32.0	38.0	42.0	47.4	52.0	55.1	58.5	61.6

Piezometer Readings, Prototype Feet of Water

T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7	T=720 LC=63.5	T=780 LC=66.2	T=840 LC=68.1	T=900 LC=70.0	T=1020 LC=72.5	T=1260 LC=74.0
35.7	37.9	41.5	46.3	50.6	54.3	57.9	60.6	63.5	65.6	67.7	69.4	71.9	74.0
18.6	25.3	31.9	38.4	44.2	49.3	53.8	57.5	61.4	64.5	66.8	69.1	72.2	74.0
12.6	14.4	21.7	29.3	36.6	43.1	48.7	53.8	58.2	61.9	65.3	67.9	71.7	74.0
34.5	39.5	44.0	49.4	53.0	57.1	60.6	63.0	65.2	67.3	69.1	70.9	72.9	74.0
3.6	16.6	25.3	33.5	40.6	47.8	53.9	59.0	64.2	67.2	69.4	70.5	72.2	74.0
34.6	39.7	44.0	48.2	52.4	56.0	59.1	62.2	64.5	66.8	68.7	70.3	72.5	74.0
3.4	16.5	23.8	31.7	37.7	44.3	50.1	54.6	58.9	62.5	65.7	68.6	72.0	74.0
32.3	37.8	42.3	47.6	52.6	56.0	59.2	62.3	64.9	67.2	69.1	70.5	73.1	74.0
18.7	25.5	32.3	38.7	43.9	49.0	53.6	57.4	61.1	63.9	66.5	68.7	71.6	74.0
18.7	25.5	32.3	38.7	44.5	49.6	54.1	58.2	61.7	64.6	67.2	69.3	72.3	74.0
17.8	22.8	29.6	35.9	41.9	47.2	51.9	56.2	59.6	62.8	65.8	68.1	71.7	74.0
18.8	25.6	32.5	39.1	44.6	49.7	53.8	58.2	61.5	64.5	67.2	69.1	72.2	74.0
18.8	25.5	32.5	38.9	44.3	49.7	54.3	58.0	61.6	64.8	67.4	69.6	72.4	74.0
17.8	23.5	30.3	36.1	41.9	47.1	52.0	56.2	59.9	63.3	66.2	68.4	71.7	74.0
16.8	21.3	28.7	35.4	41.6	46.8	51.7	55.9	59.9	63.5	66.1	68.5	71.8	74.0
14.6	21.5	28.5	36.4	42.3	47.8	52.6	56.8	60.6	63.9	66.7	69.0	72.2	74.0
14.5	22.6	28.1	35.6	42.7	46.5	52.9	56.3	60.8	64.5	66.6	68.9	72.1	74.0
19.1	26.0	34.0	38.7	44.5	50.9	54.7	58.4	61.9	64.8	67.6	69.8	72.6	74.0
19.3	24.5	29.9	35.3	40.8	45.5	50.2	54.5	58.2	61.8	64.8	67.3	70.9	74.0
17.6	54.2	51.3	56.4	59.4	59.5	64.1	65.9	68.7	68.9	70.3	71.8	73.2	74.0
12.9	29.1	35.7	42.1	46.2	50.8	55.1	58.6	62.2	65.0	67.6	69.5	72.5	74.0
12.0	27.8	35.2	43.7	47.0	52.2	55.1	59.2	62.9	65.2	68.8	70.6	73.2	74.0
14.6	30.1	37.2	42.1	47.4	51.7	56.2	60.3	63.0	65.8	67.7	69.8	72.5	74.0
11.8	32.0	37.6	42.1	47.9	51.5	57.3	60.4	63.9	66.4	68.2	69.8	72.7	74.0
17.9	33.0	42.0	47.9	51.8	53.5	56.2	59.5	61.9	65.2	67.6	69.2	72.0	74.0
16.7	32.7	36.8	44.5	46.5	52.4	56.0	60.1	62.2	65.6	67.7	69.6	72.3	74.0
10.8	36.3	41.2	45.8	50.8	54.5	58.3	61.4	64.0	66.3	68.3	70.0	72.3	74.0
19.7	37.4	45.3	45.8	48.8	52.3	56.0	60.0	62.3	65.3	67.6	69.4	71.7	74.0
19.6	35.4	41.0	46.4	50.0	54.1	57.4	60.9	63.7	66.4	68.4	70.3	72.8	74.0
18.6	34.4	39.8	45.1	49.7	53.9	57.4	60.5	63.5	66.0	68.0	70.0	72.4	74.0
12.0	38.0	42.0	47.4	52.0	55.1	58.5	61.6	64.5	66.8	68.6	70.2	72.4	74.0

Table A28 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=16.7	T=15 LC=2
58	25+40.0	-21.5	16.0	16.1	16.3	16.5	17.1	17.6	18.2	18.9	19.7	22.1
59	25+30.0	-20.9	16.0	16.3	16.6	16.4	16.9	17.5	18.1	18.6	19.8	21.6
60	25+30.0	-20.9	16.0	15.7	16.3	16.1	16.6	17.1	17.7	17.8	18.9	20.2
61	25+30.0	-20.9	16.0	16.1	16.4	16.7	17.0	17.7	18.4	18.9	19.6	21.4
62	25+30.0	-20.9	16.0	15.9	16.2	16.5	16.9	17.5	18.1	19.3	20.1	23.1
63	25+25.0	-20.6	16.0	15.7	16.3	16.2	16.8	16.9	18.0	18.8	19.8	22.1
64	25+25.0	-20.6	16.0	16.3	16.7	16.3	16.9	17.2	18.1	18.7	19.2	21.0
65	25+25.0	-20.6	16.0	16.3	16.8	17.0	17.1	17.4	17.6	17.8	18.4	19.9
66	25+25.0	-20.6	16.0	16.2	16.3	16.4	16.7	17.0	17.5	18.1	19.2	22.1
68	25+23.0	-20.6	16.0	15.9	15.9	16.1	16.6	17.2	17.3	18.0	19.1	20.7
69	25+23.0	-20.6	16.0	16.2	16.5	16.7	17.1	17.7	18.2	18.9	19.6	21.2
70	25+23.0	-20.6	16.0	16.3	16.4	16.6	17.3	18.0	19.0	19.7	21.2	24.4
71	25+10.2	-24.25	16.0	15.7	15.8	16.1	16.7	17.2	18.2	18.9	20.1	23.1
71A	25+10.2	-24.25	16.0	16.1	16.5	16.7	16.9	17.2	18.0	18.8	19.2	21.5
72	25+00.2	-24.25	16.0	16.2	16.3	16.7	17.3	18.0	18.9	20.2	21.4	24.5
73	24+90.2	-24.25	16.0	16.4	16.6	16.5	17.2	18.1	19.3	20.4	21.7	25.3
74	24+80.2	-24.25	16.0	15.9	16.3	16.7	17.4	18.4	19.1	20.6	21.9	26.1
75	24+70.2	-24.25	16.0	16.1	16.1	16.8	17.2	18.2	19.1	20.8	22.1	26.4
76	24+60.2	-24.25	16.0	15.8	16.2	16.6	17.1	18.1	19.2	20.6	22.5	26.7
77	24+50.2	-24.25	16.0	16.1	16.2	16.5	17.2	18.1	19.2	20.7	22.7	27.1
78	24+40.2	-24.25	16.0	16.1	16.2	16.5	16.8	17.8	18.7	20.4	21.8	26.2
79	24+30.2	-24.25	16.0	16.2	15.9	16.7	17.3	18.3	19.8	21.0	22.6	27.4
79A	24+30.2	-24.25	16.0	16.1	16.2	16.2	16.7	16.9	17.4	18.3	18.9	20.8
80	26+17.0	-28.4	16.0	16.1	16.5	16.1	16.1	16.3	15.7	15.5	15.0	14.0
81	26+06.0	-28.4	16.0	16.7	16.7	17.0	17.6	18.1	18.9	20.2	21.1	24.3
82	26+22.4	-28.4	16.0	16.4	16.7	16.3	16.5	16.3	16.0	15.9	15.4	13.7
83	26+13.9	-28.4	16.0	16.4	16.9	16.8	17.5	17.9	18.7	19.8	20.6	23.3
84	26+30.3	-28.4	16.0	16.5	16.7	16.3	16.4	16.5	16.1	15.8	15.4	13.1
85	26+25.7	-28.4	16.0	16.8	16.8	16.5	17.5	17.7	18.7	19.5	20.6	23.2
86	26+17.0	-20.1	16.0	16.1	16.5	16.0	16.3	16.1	16.6	16.6	16.7	16.9
87	26+06.0	-20.1	16.0	16.0	16.6	16.2	16.6	16.3	16.7	16.7	16.8	16.7

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.5	T=180 LC=22.7	T=240 LC=26.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.6	T=600 LC=57.5	
16.5	17.1	17.6	18.2	18.9	19.7	22.1	25.2	32.6	37.4	42.9	47.3	51.4	55.3	58.9	
16.4	16.9	17.5	18.1	18.6	19.8	21.6	24.7	31.5	36.5	42.3	46.6	51.3	55.3	58.9	
16.1	16.6	17.1	17.7	17.8	18.9	20.2	22.8	29.1	34.9	40.3	45.5	49.6	54.2	58.0	
16.7	17.0	17.7	18.4	18.9	19.6	21.4	23.9	29.8	35.9	41.5	46.7	51.2	55.2	58.5	
16.5	16.9	17.5	18.1	19.3	20.1	23.1	26.3	33.4	39.3	44.2	48.5	52.7	56.5	59.6	
16.2	16.8	16.9	18.0	18.8	19.8	22.1	25.0	32.6	37.6	42.7	47.4	52.1	55.5	59.3	
16.3	16.9	17.2	18.1	18.7	19.2	21.0	23.6	29.9	35.9	41.1	46.1	50.9	54.7	58.1	
17.0	17.1	17.4	17.6	17.8	18.4	19.9	20.7	24.8	30.0	35.6	41.4	46.1	51.0	54.6	
16.4	16.7	17.0	17.5	18.1	19.2	22.1	26.0	34.6	39.7	44.6	48.8	52.6	56.3	59.1	
16.1	16.6	17.2	17.3	18.0	19.1	20.7	23.2	29.2	34.9	40.9	45.9	50.1	54.1	57.8	
16.7	17.1	17.7	18.2	18.9	19.6	21.2	23.5	28.5	34.0	40.1	45.9	50.0	54.0	57.8	
16.6	17.3	18.0	19.0	19.7	21.2	24.4	28.2	36.0	41.5	46.2	50.4	53.9	57.9	60.5	
16.1	16.7	17.2	18.2	18.9	20.1	23.1	26.2	33.7	39.5	44.7	49.0	53.0	56.8	59.9	
16.7	16.9	17.2	18.0	18.8	19.2	21.5	23.4	29.6	35.0	41.2	46.2	50.3	54.7	58.3	
16.7	17.3	18.0	18.9	20.2	21.4	24.5	28.5	35.9	41.6	46.4	50.5	54.1	57.7	60.7	
16.5	17.2	18.1	19.3	20.4	21.7	25.3	29.8	38.0	43.3	47.5	51.6	55.2	58.5	61.1	
16.7	17.4	18.4	19.1	20.6	21.9	26.1	30.5	39.4	44.6	48.6	52.8	55.5	59.1	61.6	
16.8	17.2	18.2	19.1	20.8	22.1	26.4	31.5	40.6	45.6	49.5	53.2	56.5	59.2	62.0	
16.6	17.1	18.1	19.2	20.6	22.5	26.7	32.3	41.8	47.1	50.5	54.2	57.1	59.8	62.5	
16.5	17.2	18.1	19.2	20.7	22.7	27.1	32.5	42.7	47.5	51.4	54.7	57.7	60.3	62.8	
16.5	16.8	17.8	18.7	20.4	21.8	26.2	31.8	42.4	47.6	51.3	54.7	57.4	60.1	62.8	
16.7	17.3	18.3	19.8	21.0	22.6	27.4	33.2	43.9	48.8	52.0	55.4	58.2	61.1	63.5	
16.2	16.7	16.9	17.4	18.3	18.9	20.8	23.3	29.9	35.5	40.9	45.8	50.5	54.3	57.7	
16.1	16.1	16.3	15.7	15.5	15.0	14.0	11.9	11.4	18.8	26.9	33.9	40.4	46.4	51.4	
17.0	17.6	18.1	18.9	20.2	21.1	24.3	26.4	32.4	38.2	43.6	48.1	51.5	56.0	59.1	
16.3	16.5	16.3	16.0	15.9	15.4	13.7	12.1	11.3	19.1	27.1	34.2	40.5	46.7	51.5	
16.8	17.5	17.9	18.7	19.8	20.6	23.3	26.3	32.8	37.7	42.8	47.4	51.2	55.2	58.6	
16.3	16.4	16.5	16.1	15.8	15.4	13.1	11.9	11.5	18.6	26.2	33.7	40.1	46.1	51.3	
16.5	17.5	17.7	18.7	19.5	20.6	23.2	26.1	33.1	38.3	44.0	47.8	52.0	55.5	58.9	
16.0	16.3	16.1	16.6	16.6	16.7	16.9	16.7	18.9	25.8	32.8	38.9	44.7	49.7	54.2	
16.2	16.6	16.3	16.7	16.7	16.8	16.7	16.9	18.7	25.7	32.7	38.8	44.7	49.7	54.1	

Piezometer Readings, Prototype Feet of Water

T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7	T=720 LC=63.5	T=780 LC=66.2	T=840 LC=68.1	T=900 LC=70.0	T=1020 LC=72.5	T=1260 LC=74.0
32.6	37.4	42.9	47.3	51.4	55.3	58.9	61.8	64.7	66.6	68.4	70.4	72.7	74.0
31.5	36.5	42.3	46.6	51.3	55.3	58.9	61.8	64.3	67.1	68.8	70.5	72.9	74.0
29.1	34.9	40.3	45.5	49.6	54.2	58.0	60.8	63.6	66.3	68.4	70.1	72.5	74.0
29.8	35.9	41.5	46.7	51.2	55.2	58.5	61.6	64.3	66.4	68.4	70.0	72.4	74.0
33.4	39.3	44.2	48.5	52.7	56.5	59.6	62.6	65.4	67.1	69.1	70.8	72.9	74.0
32.6	37.6	42.7	47.4	52.1	55.5	59.3	62.0	64.5	67.3	69.0	70.6	72.8	74.0
29.9	35.9	41.1	46.1	50.9	54.7	58.1	61.4	64.4	66.7	68.7	70.5	73.0	74.0
24.8	30.0	35.6	41.4	46.1	51.0	54.6	58.5	62.2	64.6	67.2	69.2	72.0	74.0
34.6	39.7	44.6	48.8	52.6	56.3	59.1	61.9	64.6	66.8	68.3	70.1	72.2	74.0
29.2	34.9	40.9	45.9	50.1	54.1	57.8	61.4	64.1	66.7	68.8	70.0	72.8	74.0
28.5	34.0	40.1	45.9	50.0	54.0	57.8	60.7	64.5	66.3	68.6	70.3	72.6	74.0
36.0	41.5	46.2	50.4	53.9	57.9	60.5	63.4	65.9	67.5	69.4	70.9	73.2	74.0
33.7	39.5	44.7	49.0	53.0	56.8	59.9	62.5	65.3	67.5	69.5	71.0	73.3	74.0
29.6	35.0	41.2	46.2	50.3	54.7	58.3	61.2	63.9	66.4	68.4	70.1	72.7	74.0
35.9	41.6	46.4	50.5	54.1	57.7	60.7	63.4	65.8	67.5	69.4	70.9	72.9	74.0
38.0	43.3	47.5	51.6	55.2	58.5	61.1	64.0	66.0	67.9	69.7	71.0	73.1	74.0
39.4	44.6	48.6	52.8	55.5	59.1	61.6	64.4	66.3	68.3	69.7	71.0	72.9	74.0
40.6	45.6	49.5	53.2	56.5	59.2	62.0	64.6	66.6	68.3	69.7	71.0	72.8	74.0
41.8	47.1	50.5	54.2	57.1	59.8	62.5	64.9	66.9	68.5	69.9	71.2	73.0	74.0
42.7	47.5	51.4	54.7	57.7	60.3	62.8	65.3	67.2	68.8	70.3	71.5	73.3	74.0
42.4	47.6	51.3	54.7	57.4	60.1	62.8	65.0	67.0	68.5	70.1	71.2	73.1	74.0
43.9	48.8	52.0	55.4	58.2	61.1	63.5	65.5	67.4	68.9	70.2	71.7	73.1	74.0
29.9	35.5	40.9	45.8	50.5	54.3	57.7	60.9	63.9	66.4	68.4	70.2	72.2	74.0
11.4	18.8	26.9	33.9	40.4	46.4	51.4	56.0	60.1	63.6	66.5	68.6	72.0	74.0
32.4	38.2	43.6	48.1	51.5	56.0	59.1	62.0	64.8	67.0	69.0	70.7	72.9	74.0
11.3	19.1	27.1	34.2	40.5	46.7	51.5	56.5	60.3	63.8	66.3	68.8	72.1	74.0
32.8	37.7	42.8	47.4	51.2	55.2	58.6	61.8	64.3	66.5	68.4	70.0	72.4	74.0
11.5	18.6	26.2	33.7	40.1	46.1	51.3	56.3	60.1	63.6	66.8	68.9	72.0	74.0
33.1	38.3	44.0	47.8	52.0	55.5	58.9	61.8	64.5	66.9	68.8	70.5	72.9	74.0
18.9	25.8	32.8	38.9	44.7	49.7	54.2	58.3	61.6	64.7	67.0	69.2	72.5	74.0
18.7	25.7	32.7	38.8	44.7	49.7	54.1	58.2	61.7	64.6	67.4	69.4	72.5	74.0

Table A28 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.
88	26+22.4	-20.1	16.0	16.2	16.5	16.4	16.8	16.5	16.9	16.6	16.7	17.0
89	26+13.9	-20.1	16.0	16.9	16.6	15.6	16.1	16.1	16.8	16.4	16.9	15.5
90	26+30.3	-20.1	16.0	15.1	15.6	16.6	16.3	16.3	15.8	16.7	16.4	15.0
91	26+25.7	-20.1	16.0	15.4	16.0	16.5	16.3	16.4	16.8	16.5	16.5	16.6
92	26+43.3	-24.1	16.0	15.9	16.5	16.2	16.7	16.7	16.7	16.7	16.4	16.7
93	26+43.3	-24.1	16.0	16.2	16.6	16.2	16.6	16.5	16.5	16.6	16.4	16.3
94	26+48.3	-24.0	16.0	16.5	16.7	16.4	16.3	16.7	16.6	16.8	16.7	14.5
95	26+48.3	-24.0	16.0	16.1	16.3	16.1	16.3	16.2	16.4	16.2	16.0	15.7
96	26+53.3	-23.1	16.0	16.1	16.2	16.3	16.5	16.5	17.4	17.3	16.4	19.1
97	26+53.3	-23.1	16.0	16.3	16.7	16.5	16.8	16.2	16.7	16.2	17.6	14.6
98	26+53.3	-23.1	16.0	16.5	16.8	16.8	17.9	18.7	20.1	21.8	22.3	27.4
99	26+58.3	-22.7	16.0	16.3	16.3	16.3	16.5	16.7	17.4	17.3	17.8	19.0
100	26+58.3	-22.7	16.0	16.0	16.2	16.2	16.5	16.6	16.7	17.6	17.7	18.7
101	26+58.3	-22.7	16.0	16.1	16.4	16.3	16.9	16.7	17.0	17.3	17.2	18.5
102	26+58.3	-22.7	16.0	16.1	16.7	16.2	16.3	16.7	17.0	16.4	18.2	18.2
103	26+68.3	-22.1	16.0	16.0	16.3	16.2	16.7	17.1	17.4	18.0	19.3	19.1
104	26+68.3	-22.1	16.0	16.1	16.5	16.5	16.6	16.7	18.0	17.6	19.4	20.7
105	26+68.3	-22.1	16.0	16.0	16.4	16.4	17.1	16.9	17.7	18.5	19.4	20.6
106	26+68.3	-22.1	16.0	16.2	16.7	16.6	16.9	17.6	18.0	19.0	19.4	21.4
107	26+78.3	-21.5	16.0	16.0	16.4	16.5	17.0	17.2	17.5	18.3	18.9	20.5
108	26+78.3	-21.5	16.0	15.8	16.1	16.3	16.5	16.7	17.3	17.7	18.3	20.1
109	26+78.3	-21.5	16.0	16.3	16.6	16.7	16.9	17.2	18.1	18.7	20.3	21.1
110	26+78.3	-21.5	16.0	16.3	16.2	16.3	16.5	17.2	17.8	18.5	19.3	21.0
111	26+88.3	-20.9	16.0	16.0	16.9	16.3	17.0	17.3	18.0	19.2	20.3	23.7
112	26+88.3	-20.9	16.0	16.3	16.2	16.3	16.6	17.2	18.2	18.5	19.5	20.8
113	26+88.3	-20.9	16.0	16.4	16.8	17.0	17.1	17.6	18.3	19.2	20.3	22.2
114	26+88.3	-20.9	16.0	16.0	16.1	16.6	17.0	17.3	17.9	19.2	20.2	22.6
115	26+93.3	-20.6	16.0	15.6	16.3	16.4	16.9	17.2	17.9	18.8	19.7	21.9
116	26+93.3	-20.6	16.0	16.1	16.2	16.2	16.9	16.7	17.6	18.1	19.0	20.1
117	26+93.3	-20.6	16.0	16.1	16.4	16.5	16.9	16.9	17.4	17.9	18.9	20.3
118	26+93.3	-20.6	16.0	16.0	16.6	16.8	17.2	17.6	18.0	18.8	19.9	22.5

Average Piezometer Readings, Prototype Feet of Water

T=30 LC=16.1	T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.5	T=180 LC=22.7	T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T
16.5	16.4	16.8	16.5	16.9	16.6	16.7	17.0	16.8	18.6	25.9	32.4	38.9	44.4	49.5	5
16.6	15.6	16.1	16.1	16.8	16.4	16.9	15.5	15.6	17.9	25.0	31.9	39.3	44.5	49.3	5
15.6	16.6	16.3	16.3	15.8	16.7	16.4	15.0	15.0	16.8	23.9	31.1	38.6	43.6	48.6	5
16.0	16.5	16.3	16.4	16.8	16.5	16.5	16.6	16.2	18.3	25.1	32.1	38.3	44.0	49.3	5
16.5	16.2	16.7	16.7	16.7	16.7	16.4	16.7	16.9	18.9	25.7	32.3	38.5	44.3	49.2	5
16.6	16.2	16.6	16.5	16.5	16.6	16.4	16.3	16.6	16.8	24.6	31.1	37.7	43.5	48.8	5
16.7	16.4	16.3	16.7	16.6	16.8	16.7	14.5	16.4	14.9	22.3	33.9	38.9	44.2	49.1	5
16.3	16.1	16.3	16.2	16.4	16.2	16.0	15.7	15.6	17.6	24.2	31.3	37.5	43.5	48.6	5
16.2	16.3	16.5	16.5	17.4	17.3	16.4	19.1	20.6	24.5	32.5	32.6	43.0	47.5	51.5	5
16.7	16.5	16.8	16.2	16.7	16.2	17.6	14.6	17.4	17.0	26.8	36.8	41.0	43.9	49.2	5
16.8	16.8	17.9	18.7	20.1	21.8	22.3	27.4	35.3	45.6	49.7	50.2	55.9	58.2	59.6	6
16.3	16.3	16.5	16.7	17.4	17.3	17.8	19.0	18.8	22.9	30.2	38.0	40.9	47.7	51.4	5
16.2	16.2	16.5	16.6	16.7	17.6	17.7	18.7	17.0	22.5	28.2	33.2	43.3	46.4	52.9	5
16.4	16.3	16.9	16.7	17.0	17.3	17.2	18.5	18.9	22.3	28.6	35.2	42.0	47.2	50.8	5
16.7	16.2	16.3	16.7	17.0	16.4	18.2	18.2	20.2	21.5	28.0	34.5	43.5	46.8	52.8	5
16.3	16.2	16.7	17.1	17.4	18.0	19.3	19.1	23.2	25.2	34.3	40.0	43.9	47.4	54.0	5
16.5	16.5	16.6	16.7	18.0	17.6	19.4	20.7	21.8	26.4	33.8	38.8	44.2	49.6	53.8	5
16.4	16.4	17.1	16.9	17.7	18.5	19.4	20.6	23.4	27.4	34.0	40.5	45.2	50.8	54.3	5
16.7	16.6	16.9	17.6	18.0	19.0	19.4	21.4	23.4	27.0	33.5	41.1	45.1	49.9	54.2	5
16.4	16.5	17.0	17.2	17.5	18.3	18.9	20.5	23.1	28.9	35.5	40.3	46.0	49.9	55.1	5
16.1	16.3	16.5	16.7	17.3	17.7	18.3	20.1	22.7	27.9	33.9	39.0	44.3	49.1	53.4	5
16.6	16.7	16.9	17.2	18.1	18.7	20.3	21.1	24.4	31.2	37.3	40.6	45.9	50.5	54.0	5
16.2	16.3	16.5	17.2	17.8	18.5	19.3	21.0	23.5	29.2	34.1	39.9	44.8	49.4	53.4	5
16.9	16.3	17.0	17.3	18.0	19.2	20.3	23.7	26.3	32.3	38.3	40.0	43.5	47.4	52.0	5
16.2	16.3	16.6	17.2	18.2	18.5	19.5	20.8	24.0	29.1	35.2	39.8	45.6	49.3	53.5	5
16.8	17.0	17.1	17.6	18.3	19.2	20.3	22.2	25.2	31.1	37.0	42.9	46.7	51.4	55.6	5
16.1	16.6	17.0	17.3	17.9	19.2	20.2	22.6	26.2	32.7	39.2	43.3	47.7	52.6	55.6	5
16.3	16.4	16.9	17.2	17.9	18.8	19.7	21.9	24.6	31.4	37.8	42.1	47.3	51.4	55.0	5
16.2	16.2	16.9	16.7	17.6	18.1	19.0	20.1	22.4	28.1	34.5	39.3	44.7	49.3	53.6	5
16.4	16.5	16.9	16.9	17.4	17.9	18.9	20.3	22.7	27.3	33.1	39.0	44.3	49.4	53.2	5
16.6	16.8	17.2	17.6	18.0	18.8	19.9	22.5	26.1	33.0	38.2	43.1	47.1	51.4	55.0	5

Piezometer Readings, Prototype Feet of Water

=240 C=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7	T=720 LC=63.5	T=780 LC=66.2	T=840 LC=68.1	T=900 LC=70.0	T=1020 LC=72.5	T=1260 LC=74.0
8.6	25.9	32.4	38.9	44.4	49.5	53.8	58.3	61.7	64.3	66.8	68.8	72.1	74.0
7.9	25.0	31.9	39.3	44.5	49.3	53.4	57.2	61.1	64.4	66.7	69.2	72.1	74.0
6.8	23.9	31.1	38.6	43.6	48.6	53.9	59.1	61.9	65.3	68.4	68.7	71.7	74.0
8.3	25.1	32.1	38.3	44.0	49.3	54.2	59.0	62.2	65.1	68.4	69.2	72.2	74.0
8.9	25.7	32.3	38.5	44.3	49.2	54.2	58.0	61.6	64.6	67.4	69.3	72.5	74.0
6.8	24.6	31.1	37.7	43.5	48.8	53.8	57.7	61.5	64.7	67.3	69.3	72.2	74.0
4.9	22.3	33.9	38.9	44.2	49.1	53.2	58.8	61.1	64.5	67.0	69.6	72.1	74.0
7.6	24.2	31.3	37.5	43.5	48.6	53.0	57.7	61.1	64.6	67.1	69.4	72.3	74.0
4.5	32.5	32.6	43.0	47.5	51.5	54.7	59.1	62.5	65.9	67.7	69.9	72.6	74.0
7.0	26.8	36.8	41.0	43.9	49.2	54.2	57.6	62.4	64.7	66.6	69.3	72.0	74.0
5.6	49.7	50.2	55.9	58.2	59.6	60.9	65.8	67.3	68.5	69.7	71.2	73.1	74.0
2.9	30.2	38.0	40.9	47.7	51.4	55.0	59.8	62.2	65.0	67.5	69.6	72.4	74.0
2.5	28.2	33.2	43.3	46.4	52.9	55.8	59.1	63.0	65.7	67.7	70.0	73.0	74.0
2.3	28.6	35.2	42.0	47.2	50.8	56.0	59.6	62.5	65.5	67.7	69.5	72.3	74.0
1.5	28.0	34.5	43.5	46.8	52.8	56.1	59.3	62.1	65.8	67.5	69.7	72.7	74.0
5.2	34.3	40.0	43.9	47.4	54.0	57.4	60.5	63.7	66.0	68.1	70.0	72.5	74.0
6.4	33.8	38.8	44.2	49.6	53.8	56.5	61.0	64.0	66.0	68.0	70.1	72.4	74.0
7.4	34.0	40.5	45.2	50.8	54.3	58.6	61.0	63.8	66.4	68.6	69.8	72.2	74.0
7.0	33.5	41.1	45.1	49.9	54.2	58.0	61.5	64.0	66.4	68.4	70.5	72.8	74.0
8.9	35.5	40.3	46.0	49.9	55.1	58.6	62.4	65.3	67.8	69.8	71.2	72.8	74.0
7.9	33.9	39.0	44.3	49.1	53.4	56.7	60.3	63.1	65.8	68.0	69.4	72.4	74.0
1.2	37.3	40.6	45.9	50.5	54.0	59.1	61.3	64.1	66.5	68.0	70.3	72.8	74.0
9.2	34.1	39.9	44.8	49.4	53.4	57.6	60.7	63.4	66.1	68.0	70.0	72.3	74.0
2.3	38.3	40.0	43.5	47.4	52.0	55.3	59.3	62.0	64.7	66.7	68.6	71.8	74.0
9.1	35.2	39.8	45.6	49.3	53.5	57.3	60.7	63.8	66.2	68.1	69.8	72.3	74.0
1.1	37.0	42.9	46.7	51.4	55.6	59.3	61.6	64.6	66.8	68.7	70.5	72.8	74.0
2.7	39.2	43.3	47.7	52.6	55.6	59.6	62.2	64.8	66.6	68.6	70.4	72.6	74.0
1.4	37.8	42.1	47.3	51.4	55.0	58.3	61.7	64.5	66.7	68.8	70.5	72.6	74.0
3.1	34.5	39.3	44.7	49.3	53.6	57.0	60.6	63.4	66.1	67.9	69.7	72.6	74.0
7.3	33.1	39.0	44.3	49.4	53.2	57.7	60.8	63.6	65.7	68.4	70.3	72.7	74.0
3.0	38.2	43.1	47.1	51.4	55.0	58.5	61.4	64.1	66.3	68.4	70.1	72.1	74.0

Table A28 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=16.0	T=15 LC=16.0	T=30 LC=16.1	T=45 LC=16.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.
119	26+95.3	-20.6	16.0	16.1	16.3	16.4	16.5	16.5	16.6	17.0	17.6	19.3
120	26+95.3	-20.6	16.0	16.1	16.0	16.3	16.8	16.8	17.3	18.1	19.0	20.7
121	26+95.3	-20.6	16.0	15.8	16.2	16.3	16.8	16.9	17.3	18.2	18.6	20.5
122	26+95.3	-20.6	16.0	16.0	16.3	16.8	17.2	17.8	18.3	19.9	20.7	23.6
123	27+08.1	-24.25	16.0	16.1	16.6	16.8	17.3	17.6	18.3	19.3	20.4	22.7
123A	27+08.1	-24.25	16.0	16.0	16.4	16.4	17.1	17.1	17.6	18.7	19.4	21.6
124	27+18.1	-24.25	16.0	15.7	16.1	16.6	16.9	17.7	18.4	19.3	20.5	23.3
125	27+28.1	-24.25	16.0	16.1	16.4	16.6	17.1	18.0	18.5	19.8	20.8	23.9
126	27+38.1	-24.25	16.0	15.9	16.3	16.5	17.0	17.9	18.2	19.5	20.8	24.2
127	27+48.1	-24.25	16.0	16.1	16.3	16.3	16.5	17.2	17.9	18.7	19.7	22.9
128	27+58.1	-24.25	16.0	16.1	16.2	16.7	17.0	17.8	18.7	19.9	21.3	24.8
129	27+68.1	-24.25	16.0	15.9	16.0	16.6	17.0	17.6	18.4	19.5	20.9	24.1
130	27+78.1	-24.25	16.0	16.1	16.0	16.6	17.1	17.8	18.7	20.1	21.5	24.9
131	27+88.1	-24.25	16.0	15.9	16.1	16.3	16.7	17.7	18.6	19.8	21.3	25.0
131A	27+88.1	-24.25	16.0	15.8	16.5	16.5	17.1	17.6	18.3	18.8	19.9	22.1
132	26+14.0	-24.25	16.0	17.6	17.6	17.6	18.8	19.6	21.1	22.5	24.2	29.0
133	26+22.5	-24.25	16.0	17.5	17.4	16.9	18.7	19.7	21.0	22.5	24.2	29.6
134	26+70.0	-17.0	16.0	17.7	17.1	17.3	18.8	19.5	21.3	23.2	24.0	29.4
134A	26+70.0	-17.0	16.0	16.0	16.7	16.0	17.0	16.6	17.0	16.7	17.0	16.8
135	27+85.0	-17.0	16.0	16.9	17.4	17.7	18.8	19.7	20.9	22.7	23.9	28.7
135A	27+85.0	-17.0	16.0	15.8	16.7	15.7	16.9	16.1	16.7	16.5	17.0	16.6
136	28+60.0	-18.0	16.0	16.9	17.4	17.5	18.6	19.6	20.9	22.8	24.1	29.2
136A	28+60.0	-18.0	16.0	15.7	16.8	15.2	17.1	15.9	16.8	16.1	16.7	16.7
137	28+72.0	-18.0	16.0	16.6	17.4	17.2	18.4	19.6	20.5	22.6	24.2	29.2
137A	28+72.0	-18.0	16.0	15.5	16.7	15.7	17.1	15.9	16.9	16.3	17.0	16.7
161	22+57.6	-24.0	16.0	17.5	14.3	11.2	8.6	3.9	5.8	5.3	2.6	6.5
162	22+57.6	-26.4	16.0	18.0	15.3	12.6	10.9	10.5	8.7	7.6	6.8	9.5
163	22+60.6	-24.0	16.0	17.2	13.7	10.1	11.4	6.0	7.5	2.6	2.5	8.0
164	22+60.6	-26.4	16.0	16.5	15.6	14.0	14.1	12.0	12.0	11.1	7.2	12.3

Average Piezometer Readings, Prototype Feet of Water

6.3	T=60 LC=16.4	T=75 LC=16.9	T=90 LC=17.4	T=105 LC=18.0	T=120 LC=18.7	T=150 LC=20.5	T=180 LC=22.7	T=240 LC=28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7
	16.5	16.5	16.6	17.0	17.6	19.3	22.1	28.6	34.3	40.0	45.0	49.6	54.2	57.6	60.7
	16.8	16.8	17.3	18.1	19.0	20.7	23.0	28.5	34.5	40.2	45.0	49.6	53.9	57.4	60.7
	16.8	16.9	17.3	18.2	18.6	20.5	22.6	27.6	34.1	39.7	44.9	49.3	53.4	57.3	60.7
	17.2	17.8	18.3	19.9	20.7	23.6	27.7	34.5	40.0	45.0	48.9	53.3	56.7	60.1	62.6
	17.3	17.6	18.3	19.3	20.4	22.7	26.3	33.4	38.0	42.8	47.8	50.9	55.9	59.0	61.8
	17.1	17.1	17.6	18.7	19.4	21.6	24.5	30.2	35.9	41.2	46.7	50.7	54.8	58.2	60.9
	16.9	17.7	18.4	19.3	20.5	23.3	26.8	34.6	40.1	44.3	48.8	52.7	56.4	59.7	62.4
	17.1	18.0	18.5	19.8	20.8	23.9	27.9	35.9	40.6	45.2	49.8	53.3	56.8	59.9	62.8
	17.0	17.9	18.2	19.5	20.8	24.2	28.4	37.1	41.4	46.1	50.0	53.9	57.4	60.6	63.2
	16.5	17.2	17.9	18.7	19.7	22.9	27.1	36.1	40.9	45.4	49.4	53.4	56.9	59.5	62.3
	17.0	17.8	18.7	19.9	21.3	24.8	29.1	38.6	42.6	47.1	50.6	54.2	57.3	59.7	62.4
	17.0	17.6	18.4	19.5	20.9	24.1	28.7	37.8	42.2	46.8	50.7	54.1	57.5	60.1	63.1
	17.1	17.8	18.7	20.1	21.5	24.9	29.6	39.2	43.5	47.5	51.5	54.7	58.5	61.3	63.6
	16.7	17.7	18.6	19.8	21.3	25.0	29.5	39.2	43.2	47.5	51.6	54.9	58.4	61.3	64.0
	17.1	17.6	18.3	18.8	19.9	22.1	25.1	31.8	37.6	42.6	47.2	51.3	55.4	58.4	61.6
	18.8	19.6	21.1	22.5	24.2	29.0	34.8	44.5	48.6	52.3	55.2	58.5	61.2	63.4	65.5
	18.7	19.7	21.0	22.5	24.2	29.6	35.0	43.9	49.4	52.6	55.9	58.5	60.9	62.8	64.8
	18.8	19.5	21.3	23.2	24.0	29.4	35.5	45.5	49.3	52.8	55.5	59.0	61.0	63.6	65.8
	17.0	16.6	17.0	16.7	17.0	16.8	17.2	19.3	26.1	32.8	39.1	44.6	49.6	54.1	57.9
	18.8	19.7	20.9	22.7	23.9	28.7	34.5	43.9	48.3	51.7	55.1	58.2	60.8	63.3	65.6
	16.9	16.1	16.7	16.5	17.0	16.6	16.7	19.1	25.9	32.7	38.6	44.6	49.6	53.9	57.9
	18.6	19.6	20.9	22.8	24.1	29.2	34.7	44.4	49.0	51.9	55.7	58.3	61.1	63.3	65.7
	17.1	15.9	16.8	16.1	16.7	16.7	16.7	18.9	25.7	32.4	38.6	44.3	49.2	53.6	57.5
	18.4	19.6	20.5	22.6	24.2	29.2	34.5	44.7	48.9	52.1	55.9	58.5	61.3	63.2	65.4
	17.1	15.9	16.9	16.3	17.0	16.7	16.9	19.0	26.0	32.7	38.8	44.5	49.5	53.8	58.0
	8.6	3.9	5.8	5.3	2.6	6.5	16.9	45.8	49.1	52.8	56.1	59.3	61.5	63.9	65.8
	10.9	10.5	8.7	7.6	6.8	9.5	19.2	45.9	49.8	53.1	56.6	59.6	62.0	63.9	66.1
	11.4	6.0	7.5	2.6	2.5	8.0	16.5	47.3	50.8	53.9	57.4	60.0	62.4	64.9	66.6
	14.1	12.0	12.0	11.1	7.2	12.3	17.4	44.4	48.5	51.9	55.4	57.9	60.5	62.7	64.8

zometer Readings, Prototype Feet of Water

40 28.6	T=300 LC=34.7	T=360 LC=40.0	T=420 LC=45.2	T=480 LC=49.6	T=540 LC=53.8	T=600 LC=57.5	T=660 LC=60.7	T=720 LC=63.5	T=780 LC=66.2	T=840 LC=68.1	T=900 LC=70.0	T=1020 LC=72.5	T=1260 LC=74.0
5	34.3	40.0	45.0	49.6	54.2	57.6	60.7	64.1	66.5	68.4	70.2	72.6	74.0
5	34.5	40.2	45.0	49.6	53.9	57.4	60.7	63.5	65.9	68.0	69.5	72.0	74.0
6	34.1	39.7	44.9	49.3	53.4	57.3	60.7	63.4	65.8	68.1	69.8	72.4	74.0
5	40.0	45.0	48.9	53.3	56.7	60.1	62.6	65.1	67.4	69.3	71.0	73.0	74.0
4	38.0	42.8	47.8	50.9	55.9	59.0	61.8	64.2	66.8	68.9	70.3	72.8	74.0
2	35.9	41.2	46.7	50.7	54.8	58.2	60.9	64.0	66.2	68.4	70.1	72.4	74.0
6	40.1	44.3	48.8	52.7	56.4	59.7	62.4	65.2	67.3	68.9	70.9	73.0	74.0
9	40.6	45.2	49.8	53.3	56.8	59.9	62.8	64.9	67.2	69.0	70.6	73.0	74.0
1	41.4	46.1	50.0	53.9	57.4	60.6	63.2	65.4	67.6	69.3	71.0	72.8	74.0
1	40.9	45.4	49.4	53.4	56.9	59.5	62.3	64.8	66.7	68.7	69.9	72.3	74.0
6	42.6	47.1	50.6	54.2	57.3	59.7	62.4	65.0	66.7	68.8	70.2	72.4	74.0
8	42.2	46.8	50.7	54.1	57.5	60.1	63.1	65.2	67.0	69.0	70.3	72.4	74.0
2	43.5	47.5	51.5	54.7	58.5	61.3	63.6	65.8	67.9	69.3	70.7	72.8	74.0
2	43.2	47.5	51.6	54.9	58.4	61.3	64.0	66.0	67.9	69.9	71.2	73.2	74.0
8	37.6	42.6	47.2	51.3	55.4	58.4	61.6	64.2	66.6	68.5	70.1	72.5	74.0
5	48.6	52.3	55.2	58.5	61.2	63.4	65.5	67.4	69.0	70.4	71.4	73.2	74.0
9	49.4	52.6	55.9	58.5	60.9	62.8	64.8	66.2	67.7	69.1	70.4	72.2	74.0
5	49.3	52.8	55.5	59.0	61.0	63.6	65.8	67.5	69.1	70.5	71.5	73.1	74.0
3	26.1	32.8	39.1	44.6	49.6	54.1	57.9	61.6	64.4	67.0	69.1	72.4	74.0
9	48.3	51.7	55.1	58.2	60.8	63.3	65.6	67.3	69.0	70.5	71.5	73.2	74.0
1	25.9	32.7	38.6	44.6	49.6	53.9	57.9	61.7	64.5	67.1	69.3	72.3	74.0
4	49.0	51.9	55.7	58.3	61.1	63.3	65.7	67.3	68.8	70.1	71.5	73.4	74.0
9	25.7	32.4	38.6	44.3	49.2	53.6	57.5	61.2	64.0	66.9	69.1	72.1	74.0
7	48.9	52.1	55.9	58.5	61.3	63.2	65.4	67.2	69.2	70.4	71.6	73.1	74.0
0	26.0	32.7	38.8	44.5	49.5	53.8	58.0	61.4	64.4	67.0	69.1	72.3	74.0
8	49.1	52.8	56.1	59.3	61.5	63.9	65.8	67.5	69.3	70.6	71.9	72.9	74.0
9	49.8	53.1	56.6	59.6	62.0	63.9	66.1	67.6	69.2	70.2	71.9	72.9	74.0
3	50.8	53.9	57.4	60.0	62.4	64.9	66.6	68.4	69.6	70.9	71.9	73.4	74.0
4	48.5	51.9	55.4	57.9	60.5	62.7	64.8	66.6	68.3	69.7	70.9	72.4	74.0

Table A29
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Up

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=10 LC=6
15	22+52.1	-17.0	74.0	67.4	61.9	51.7	44.5	42.9	41.2	40.3
15A	22+52.1	-17.0	74.0	67.5	62.6	53.4	46.0	43.8	42.8	42.0
16	21+53.5	-17.0	74.0	67.9	61.9	52.9	45.7	43.3	42.4	42.0
17	22+59.1	-16.9	74.0	68.9	65.3	60.5	56.0	52.0	48.7	46.1
18	22+62.6	-16.8	74.0	67.3	62.0	51.9	44.2	42.8	41.1	40.7
19	22+69.1	-16.6	74.0	68.4	63.5	55.5	46.1	44.6	43.0	41.7
20	22+76.6	-16.5	74.0	71.4	69.0	65.7	53.4	51.1	50.6	50.3
21	22+90.6	-16.5	74.0	67.7	62.0	52.3	43.9	42.6	41.0	40.0
21A	22+90.6	-16.5	74.0	69.1	63.3	54.7	46.7	44.8	42.5	42.7
22	23+50.0	-16.5	74.0	64.5	59.4	49.9	43.0	41.1	39.8	39.1
23	24+50.0	-16.5	74.0	72.0	69.1	66.0	62.1	59.2	56.8	55.5
24	25+50.0	-16.5	74.0	67.9	62.3	52.4	44.7	43.2	42.2	40.9
24A	25+50.0	-16.5	74.0	68.4	62.5	54.2	47.3	44.1	42.3	41.6
25	26+04.3	-24.25	74.0	69.7	64.5	56.7	46.9	44.9	43.8	44.7
26	25+95.9	-24.25	74.0	68.0	62.2	52.0	43.9	41.2	40.8	39.5
27	26+09.2	-17.0	74.0	71.5	68.3	53.7	46.1	44.0	42.9	42.4
27A	26+09.2	-17.0	74.0	69.3	62.2	51.7	42.4	38.8	38.2	37.3
28	26+01.3	-20.1	74.0	71.8	67.8	63.9	36.7	32.7	31.3	30.7
29	26+12.4	-20.1	74.0	69.1	62.7	53.0	44.6	42.3	40.7	40.2
30	25+96.0	-20.1	74.0	73.3	72.8	53.6	32.1	29.5	28.3	27.7
31	26+04.5	-20.1	74.0	70.2	63.6	54.8	45.5	42.3	40.9	40.0
32	25+88.1	-20.1	74.0	71.2	64.1	50.0	34.3	30.2	28.8	28.4
33	25+92.6	-20.1	74.0	69.6	63.0	52.7	44.9	41.8	40.3	39.9
34	26+01.3	-28.4	74.0	69.1	60.1	47.0	34.8	31.6	30.0	29.8
35	26+12.4	-28.4	74.0	71.6	65.3	57.4	48.4	44.2	42.0	40.7
36	25+96.0	-28.4	74.0	72.9	68.9	54.0	38.3	33.9	32.3	31.9
37	26+04.1	-28.4	74.0	72.7	70.0	58.1	44.9	43.0	42.6	41.7
38	25+88.1	-28.4	74.0	70.8	61.5	49.1	35.7	31.7	30.4	30.2
39	25+92.6	-28.4	74.0	74.1	73.9	58.4	43.3	39.8	38.2	37.9
40	25+75.0	-24.1	74.0	72.1	69.8	65.2	53.4	50.9	46.5	45.2

g During Emptying Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 1 Min (Cons

Average Piezometer Readings, Prototype Feet of Wate

=30 C=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=105 LC=63.9	T=120 LC=62.0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3
.9	51.7	44.5	42.9	41.2	40.3	39.7	37.2	35.6	32.1	28.7	26.2	23.7
.6	53.4	46.0	43.8	42.8	42.0	40.6	38.3	36.4	32.4	30.0	27.0	24.1
.9	52.9	45.7	43.3	42.4	42.0	41.2	38.7	36.4	32.9	28.7	27.0	23.9
.3	60.5	56.0	52.0	48.7	46.1	43.4	39.8	37.2	33.3	29.8	27.2	24.3
.0	51.9	44.2	42.8	41.1	40.7	39.7	37.2	35.5	32.1	28.9	26.6	23.8
.5	55.5	46.1	44.6	43.0	41.7	40.6	38.4	36.9	32.9	29.6	26.8	24.1
.0	65.7	53.4	51.1	50.6	50.3	45.7	47.6	46.7	39.1	32.2	30.5	28.9
.0	52.3	43.9	42.6	41.0	40.0	39.3	37.5	35.5	31.8	28.4	26.3	24.0
.3	54.7	46.7	44.8	42.5	42.7	40.5	39.1	37.1	33.4	29.9	27.1	24.0
.4	49.9	43.0	41.1	39.8	39.1	38.8	36.1	34.7	31.5	28.1	26.0	23.5
.1	66.0	62.1	59.2	56.8	55.5	54.0	52.1	49.3	45.1	40.6	36.9	32.8
.3	52.4	44.7	43.2	42.2	40.9	39.0	38.0	36.2	32.2	29.4	26.6	23.9
.5	54.2	47.3	44.1	42.3	41.6	39.8	38.2	36.6	33.1	29.8	27.0	24.3
.5	56.7	46.9	44.9	43.8	44.7	42.7	39.0	36.4	32.6	29.1	26.6	24.1
.2	52.0	43.9	41.2	40.8	39.5	36.9	36.2	34.2	31.1	28.4	26.0	23.4
.3	53.7	46.1	44.0	42.9	42.4	41.3	39.8	38.4	30.5	28.6	26.7	24.2
.2	51.7	42.4	38.8	38.2	37.3	36.6	34.5	33.0	29.7	26.9	24.8	22.9
.8	63.9	36.7	32.7	31.3	30.7	29.9	28.4	27.7	25.8	23.9	22.6	21.0
.7	53.0	44.6	42.3	40.7	40.2	38.4	36.6	35.1	31.7	28.5	26.0	23.7
.8	53.6	32.1	29.5	28.3	27.7	27.4	26.1	26.2	24.3	22.7	21.4	20.3
.6	54.8	45.5	42.3	40.9	40.0	39.4	37.0	35.4	31.7	28.8	26.1	23.7
.1	50.0	34.3	30.2	28.8	28.4	28.2	26.6	26.4	24.5	23.1	21.4	20.5
.0	52.7	44.9	41.8	40.3	39.9	38.6	36.5	34.9	31.8	28.6	26.1	23.5
.1	47.0	34.8	31.6	30.0	29.8	29.1	28.4	27.0	25.3	23.7	22.2	20.9
.3	57.4	48.4	44.2	42.0	40.7	39.7	37.5	35.8	32.4	29.2	26.3	23.8
.9	54.0	38.3	33.9	32.3	31.9	31.1	30.2	29.0	27.1	25.1	23.7	22.3
.0	58.1	44.9	43.0	42.6	41.7	40.8	39.7	38.1	36.0	28.0	24.9	22.2
.5	49.1	35.7	31.7	30.4	30.2	29.4	28.6	27.5	25.6	23.8	22.5	21.0
.9	58.4	43.3	39.8	38.2	37.9	37.3	36.2	34.9	32.7	31.0	29.2	20.8
.8	65.2	53.4	50.9	46.5	45.2	43.8	40.8	39.2	34.5	31.0	27.8	24.8

74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 1 Min (Constant Speed Gate), Normal Valve Operation

ge Piezometer Readings, Prototype Feet of Water

	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T=480 LC=26.9	T=540 LC=23.8	T=600 LC=20.9	T=660 LC=18.4	T=720 LC=17.2	T=780 LC=16.0
	37.2	35.6	32.1	28.7	26.2	23.7	21.5	20.0	18.3	17.3	16.4	16.0
	38.3	36.4	32.4	30.0	27.0	24.1	22.1	19.9	18.5	17.2	16.3	16.0
	38.7	36.4	32.9	28.7	27.0	23.9	21.5	20.8	18.7	18.3	16.0	16.0
	39.8	37.2	33.3	29.8	27.2	24.3	22.2	20.4	18.9	17.8	17.0	16.0
	37.2	35.5	32.1	28.9	26.6	23.8	21.9	20.0	18.6	17.5	16.6	16.0
	38.4	36.9	32.9	29.6	26.8	24.1	21.9	19.8	18.6	17.3	16.5	16.0
	47.6	46.7	39.1	32.2	30.5	28.9	27.6	18.9	18.1	17.3	15.4	16.0
	37.5	35.5	31.8	28.4	26.3	24.0	21.8	19.9	18.2	17.3	16.6	16.0
	39.1	37.1	33.4	29.9	27.1	24.0	21.8	20.3	18.7	17.3	16.7	16.0
	36.1	34.7	31.5	28.1	26.0	23.5	21.6	20.0	18.1	17.3	16.6	16.0
	52.1	49.3	45.1	40.6	36.9	32.8	29.8	26.7	23.6	20.9	18.4	16.0
	38.0	36.2	32.2	29.4	26.6	23.9	21.9	20.0	18.6	17.4	16.5	16.0
	38.2	36.6	33.1	29.8	27.0	24.3	22.1	20.1	19.0	17.4	16.8	16.0
	39.0	36.4	32.6	29.1	26.6	24.1	21.8	20.0	18.7	17.6	16.4	16.0
	36.2	34.2	31.1	28.4	26.0	23.4	21.4	19.6	18.2	17.3	16.5	16.0
	39.8	38.4	30.5	28.6	26.7	24.2	22.8	20.5	18.9	17.8	16.4	16.0
	34.5	33.0	29.7	26.9	24.8	22.9	20.9	19.2	18.2	17.0	16.2	16.0
	28.4	27.7	25.8	23.9	22.6	21.0	19.7	18.7	17.8	17.0	16.5	16.0
	36.6	35.1	31.7	28.5	26.0	23.7	21.7	19.9	18.5	17.3	16.7	16.0
	26.1	26.2	24.3	22.7	21.4	20.3	18.9	18.1	17.1	16.7	16.0	16.0
	37.0	35.4	31.7	28.8	26.1	23.7	21.7	19.9	18.5	17.3	16.5	16.0
	26.6	26.4	24.5	23.1	21.4	20.5	19.3	18.3	17.4	16.7	16.2	16.0
	36.5	34.9	31.8	28.6	26.1	23.5	21.4	19.9	18.5	17.1	16.4	16.0
	28.4	27.0	25.3	23.7	22.2	20.9	19.6	18.3	17.5	16.9	16.6	16.0
	37.5	35.8	32.4	29.2	26.3	23.8	21.8	20.0	18.3	17.3	16.2	16.0
	30.2	29.0	27.1	25.1	23.7	22.3	21.3	19.9	18.4	17.5	16.5	16.0
	39.7	38.1	36.0	28.0	24.9	22.2	19.1	18.0	17.2	16.7	16.2	16.0
	28.6	27.5	25.6	23.8	22.5	21.0	19.7	18.5	17.8	16.9	16.2	16.0
	36.2	34.9	32.7	31.0	29.2	20.8	19.6	18.6	17.6	17.0	16.6	16.0
	40.8	39.2	34.5	31.0	27.8	24.8	22.5	20.4	18.7	17.4	16.4	16.0

Table A29 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=1(LC=
41	25+75.0	-24.1	76.5	75.8	72.5	69.6	63.1	56.1	49.0	42.4
42	25+70.0	-24.0	74.0	70.8	63.9	54.5	43.9	39.6	37.8	36.8
43	25+70.0	-24.0	74.0	70.3	62.5	51.3	41.8	38.2	37.1	36.2
44	25+65.0	-23.1	74.0	70.2	60.1	47.3	35.1	31.8	30.4	29.7
45	25+65.0	-23.1	74.0	72.3	68.3	63.5	50.9	47.0	44.2	42.1
46	25+65.0	-23.1	74.0	70.7	63.4	53.8	45.0	41.6	40.4	39.7
47	25+60.0	-22.7	74.0	70.6	61.6	50.8	40.2	36.3	35.5	34.9
48	25+60.0	-22.7	74.0	70.8	62.9	51.9	41.7	39.2	37.5	37.0
49	25+60.0	-22.7	74.0	71.8	66.6	59.2	42.9	39.6	38.5	37.3
50	25+60.0	-22.7	74.0	73.7	73.5	55.4	42.6	39.4	37.4	36.9
51	25+50.0	-22.1	74.0	71.0	63.1	52.5	42.2	39.0	38.3	37.1
52	25+50.0	-22.1	74.0	73.9	73.3	57.2	45.8	41.7	40.4	39.7
53	25+50.0	-22.1	74.0	70.7	63.2	52.9	43.0	40.0	38.6	37.8
54	25+50.0	-22.1	74.0	71.0	63.7	53.8	44.9	41.7	40.5	39.0
55	25+40.0	-21.5	74.0	71.4	63.9	53.3	42.9	40.5	38.9	37.9
56	25+40.0	-21.5	74.0	72.6	68.8	63.5	58.4	56.0	53.7	52.3
57	25+40.0	-21.5	74.0	71.2	64.3	54.4	46.2	43.0	41.6	40.3
58	25+40.0	-21.5	74.0	71.7	64.1	54.4	44.9	42.6	41.1	40.2
59	25+30.0	-20.9	74.0	72.1	66.2	58.7	50.6	47.0	45.4	44.6
60	25+30.0	-20.9	74.0	72.1	65.6	57.0	48.5	45.3	44.2	43.3
61	25+30.0	-20.9	74.0	73.6	68.8	54.7	45.7	43.4	41.7	40.0
62	25+30.0	-20.9	74.0	72.4	66.1	58.5	50.6	47.0	45.3	44.1
63	25+25.0	-20.9	74.0	71.9	65.6	57.3	49.2	46.2	44.8	43.5
64	25+25.0	-20.6	74.0	71.9	65.3	56.8	47.8	43.6	42.7	40.9
65	25+25.0	-20.6	74.0	72.3	62.3	48.0	39.4	36.4	35.5	34.3
66	25+25.0	-20.6	74.0	73.6	72.7	71.5	70.4	51.3	50.2	49.6
68	25+23.0	-20.6	74.0	73.6	73.0	71.8	69.9	67.3	65.4	63.3
69	25+23.0	-20.6	74.0	72.2	62.4	51.1	38.3	34.4	33.8	33.0
70	25+23.0	-20.6	74.0	72.0	64.9	56.5	47.5	43.9	43.5	42.5
71	25+10.2	-24.25	74.0	73.5	72.2	68.5	61.4	58.3	56.5	54.1
71A	25+10.2	-24.25	74.0	72.4	66.7	58.9	51.1	46.8	46.4	45.3
72	25+00.2	-24.25	74.0	72.9	68.3	62.2	57.1	53.6	52.5	48.8

Average Piezometer Readings, Prototype [illegible] of Water

74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=105 LC=63.9	T=120 LC=62.0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T L
	72.5	69.6	63.1	56.1	49.0	42.4	37.9	34.6	32.2	28.0	24.4	21.4	1
	63.9	54.5	43.9	39.6	37.8	36.8	35.6	34.0	32.7	29.6	27.2	24.7	2
	62.5	51.3	41.8	38.2	37.1	36.2	35.1	33.9	32.5	29.4	26.9	24.5	2
	60.1	47.3	35.1	31.8	30.4	29.7	29.4	28.0	26.8	24.6	23.1	21.6	2
	68.3	63.5	50.9	47.0	44.2	42.1	40.8	38.3	37.3	34.4	32.0	30.1	2
	63.4	53.8	45.0	41.6	40.4	39.7	38.5	36.8	35.2	32.0	28.6	26.2	2
	61.6	50.8	40.2	36.3	35.5	34.9	34.2	32.4	31.0	28.6	26.2	24.1	2
	62.9	51.9	41.7	39.2	37.5	37.0	36.3	34.8	33.2	30.0	27.3	25.0	2
	66.6	59.2	42.9	39.6	38.5	37.3	36.6	34.9	33.3	30.4	27.7	25.3	2
	73.5	55.4	42.6	39.4	37.4	36.9	36.0	34.3	32.4	29.7	27.2	24.8	2
	63.1	52.5	42.2	39.0	38.3	37.1	36.3	34.4	33.1	30.6	27.5	25.1	2
	73.3	57.2	45.8	41.7	40.4	39.7	38.8	36.7	35.5	31.7	28.7	26.3	2
	63.2	52.9	43.0	40.0	38.6	37.8	37.2	35.0	33.4	30.4	27.8	25.5	2
	63.7	53.8	44.9	41.7	40.5	39.0	38.5	36.3	34.7	31.6	28.6	25.9	2
	63.9	53.3	42.9	40.5	38.9	37.9	37.2	34.9	33.6	30.4	28.0	25.3	2
	68.8	63.5	58.4	56.0	53.7	52.3	51.0	48.3	45.3	39.8	35.1	31.1	27
	64.3	54.4	46.2	43.0	41.6	40.3	39.7	37.4	35.7	32.3	29.1	26.1	24
	64.1	54.4	44.9	42.6	41.1	40.2	38.8	37.3	35.5	31.8	28.4	26.2	2
	66.2	58.7	50.6	47.0	45.4	44.6	43.7	41.2	38.6	34.9	31.2	27.9	25
	65.6	57.0	48.5	45.3	44.2	43.3	42.6	38.9	37.2	33.4	30.1	26.8	24
	68.8	54.7	45.7	43.4	41.7	40.0	39.0	36.7	35.0	31.4	27.9	25.3	23
	66.1	58.5	50.6	47.0	45.3	44.1	43.1	40.4	38.8	34.3	30.6	27.3	24
	65.6	57.3	49.2	46.2	44.8	43.5	42.6	40.0	38.1	34.1	30.3	27.6	24
	65.3	56.8	47.8	43.6	42.7	40.9	40.2	38.5	36.5	33.2	29.7	26.6	24
	62.3	48.0	39.4	36.4	35.5	34.3	33.7	31.9	30.9	24.9	22.3	21.1	19
	72.7	71.5	70.4	51.3	50.2	49.6	48.8	46.1	44.8	34.0	31.1	28.7	26
	73.0	71.8	69.9	67.3	65.4	63.3	61.4	57.7	53.9	47.2	40.9	35.2	30
	62.4	51.1	38.3	34.4	33.8	33.0	31.7	31.0	29.8	26.8	23.9	22.6	21
	64.9	56.5	47.5	43.9	43.5	42.5	41.6	38.8	35.8	32.4	29.4	26.9	24
	72.2	68.5	61.4	58.3	56.5	54.1	51.7	48.9	43.3	38.4	34.3	29.7	27
	66.7	58.9	51.1	46.8	46.4	45.3	43.9	41.6	38.5	34.5	30.9	28.0	25
	68.3	62.2	57.1	53.6	52.5	48.8	48.0	46.1	44.6	38.8	34.4	29.9	26

ge Piezometer Readings, Prototype Feet of Water

T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T=480 LC=26.9	T=540 LC=23.8	T=600 LC=20.9	T=660 LC=18.4	T=720 LC=16.2	T=780 LC=16.0
34.6	32.2	28.0	24.4	21.4	18.6	16.2	13.8	11.9	10.1	8.8	7.9
34.0	32.7	29.6	27.2	24.7	22.7	21.0	19.5	18.2	17.2	16.6	16.0
33.9	32.5	29.4	26.9	24.5	22.6	21.0	19.6	18.3	17.3	16.7	16.0
28.0	26.8	24.6	23.1	21.6	20.1	18.9	18.2	17.1	16.8	16.2	16.0
38.3	37.3	34.4	32.0	30.1	23.0	20.1	20.0	18.5	17.4	16.6	16.0
36.8	35.2	32.0	28.6	26.2	23.5	21.5	20.0	18.4	17.4	16.5	16.0
32.4	31.0	28.6	26.2	24.1	22.2	20.5	19.2	18.0	16.9	16.4	16.0
34.8	33.2	30.0	27.3	25.0	23.3	21.3	20.2	19.2	18.3	16.8	16.0
34.9	33.3	30.4	27.7	25.3	23.1	21.1	19.4	18.2	17.2	16.3	16.0
34.3	32.4	29.7	27.2	24.8	22.8	21.0	19.3	18.2	17.1	16.4	16.0
34.4	33.1	30.6	27.5	25.1	22.9	21.3	19.6	18.1	17.2	16.3	16.0
36.7	35.5	31.7	28.7	26.3	23.8	21.6	19.9	18.7	17.5	16.8	16.0
35.0	33.4	30.4	27.8	25.5	23.2	21.3	19.6	18.2	17.3	16.5	16.0
36.3	34.7	31.6	28.6	25.9	23.6	21.6	19.9	18.6	17.2	16.5	16.0
34.9	33.6	30.4	28.0	25.3	23.2	21.5	19.6	18.2	17.1	16.5	16.0
48.3	45.3	39.8	35.1	31.1	27.3	24.3	21.6	19.4	17.8	16.5	16.0
37.4	35.7	32.3	29.1	26.1	24.0	21.6	19.8	18.2	17.4	16.3	16.0
37.3	35.5	31.8	28.4	26.2	23.7	21.7	20.0	18.5	17.4	16.9	16.0
41.2	38.6	34.9	31.2	27.9	25.3	22.9	20.6	18.9	17.7	16.9	16.0
38.9	37.2	33.4	30.1	26.8	24.3	22.2	19.8	18.5	17.4	16.6	16.0
36.7	35.0	31.4	27.9	25.3	23.5	21.6	20.2	18.9	17.8	17.0	16.0
40.4	38.8	34.3	30.6	27.3	24.6	22.4	20.5	18.8	17.6	16.5	16.0
40.0	38.1	34.1	30.3	27.6	24.2	22.4	20.5	18.7	17.4	16.6	16.0
38.5	36.5	33.2	29.7	26.6	24.4	22.1	20.2	18.6	17.5	16.8	16.0
31.9	30.9	24.9	22.3	21.1	19.9	18.8	18.3	17.5	17.0	16.5	16.0
46.1	44.8	34.0	31.1	28.7	26.3	23.9	21.7	19.8	18.2	16.9	16.0
57.7	53.9	47.2	40.9	35.2	30.5	26.5	23.3	20.5	18.1	16.7	16.0
31.0	29.8	26.8	23.9	22.6	21.3	19.8	18.5	17.6	16.9	16.2	16.0
38.8	35.8	32.4	29.4	26.9	24.2	21.7	19.9	18.4	17.2	16.1	16.0
48.9	43.3	38.4	34.3	29.7	27.3	24.4	22.0	20.0	18.3	17.2	16.0
41.6	38.5	34.5	30.9	28.0	25.1	22.4	20.9	19.1	17.8	16.3	16.0
46.1	44.6	38.8	34.4	29.9	26.9	23.7	21.3	19.2	17.7	16.9	16.0

Table A29 (Continued)

Piezometer Location									
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1
73	24+90.2	-24.25	74.0	73.4	69.7	64.3	59.0	56.2	55.0
74	24+80.2	-24.25	74.0	73.6	70.2	65.4	60.8	57.3	55.6
75	24+70.2	-24.25	74.0	73.8	70.5	66.9	62.5	58.5	57.6
76	24+60.2	-24.25	74.0	73.7	70.8	67.9	63.2	61.2	58.3
77	24+50.2	-24.25	74.0	74.0	71.5	68.4	63.4	61.2	59.9
78	24+40.2	-24.25	74.0	73.7	71.1	68.0	64.7	62.0	60.1
79	24+30.2	-24.25	74.0	74.2	71.9	68.9	65.0	61.7	60.1
79A	24+30.2	-24.25	74.0	74.0	71.8	68.1	64.2	61.9	59.6
80	26+17.0	-28.4	74.0	69.7	61.6	50.3	39.0	34.6	32.6
81	26+06.0	-28.4	74.0	69.8	64.1	56.2	49.0	45.7	44.0
82	26+22.4	-28.4	74.0	69.3	60.1	47.7	36.4	33.8	32.7
83	26+13.9	-28.4	74.0	71.7	68.8	64.4	47.1	46.1	44.7
84	26+30.3	-28.4	74.0	69.4	60.4	48.4	36.4	34.0	32.6
85	26+25.7	-28.4	74.0	69.7	62.4	53.2	44.6	42.3	40.9
86	26+17.0	-20.1	74.0	70.0	60.7	49.0	35.4	31.1	29.9
87	26+06.0	-20.1	74.0	70.0	63.9	55.2	46.6	43.4	42.3
88	26+22.4	-20.1	74.0	70.5	61.0	49.4	36.0	31.7	30.9
89	26+13.9	-20.1	74.0	71.2	65.0	58.2	50.3	45.7	43.3
90	26+30.3	-20.1	74.0	71.3	65.6	58.4	50.6	45.9	43.6
91	26+25.7	-20.1	74.0	71.4	65.2	58.4	50.2	45.7	43.6
92	26+43.3	-24.1	74.0	71.2	64.8	56.7	47.7	43.9	42.3
93	26+43.3	-24.1	74.0	70.6	64.5	55.3	47.0	44.2	42.8
94	26+48.3	-24.0	74.0	71.0	63.2	53.0	42.9	40.3	38.5
95	26+48.3	-24.0	74.0	70.3	63.0	53.2	43.8	40.5	39.0
96	26+53.3	-23.1	74.0	72.3	67.7	52.6	40.3	36.9	35.5
97	26+53.3	-23.1	74.0	70.1	61.2	49.2	38.4	35.4	34.7
98	26+53.3	-23.1	74.0	70.2	63.6	54.5	45.9	43.2	41.9
99	26+58.3	-22.7	74.0	71.2	64.3	54.9	45.3	41.0	39.5
100	26+58.3	-22.7	74.0	71.6	63.8	53.8	43.6	40.3	38.9
101	26+58.3	-22.7	74.0	71.5	63.8	53.8	43.4	39.9	38.5
102	26+58.3	-22.7	74.0	71.6	63.9	54.0	43.6	39.8	38.4
103	26+68.3	-22.1	74.0	72.0	64.6	55.9	46.0	43.2	41.0

Average Piezometer Readings, Pro[illegible]e Feet of Water

T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=105 LC=63.9	T=120 LC=62.0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.
73.4	69.7	64.3	59.0	56.2	55.0	53.3	51.3	48.1	45.6	40.4	35.4	31.0
73.6	70.2	65.4	60.8	57.3	55.6	54.0	53.3	50.2	46.9	41.5	36.6	31.9
73.8	70.5	66.9	62.5	58.5	57.6	55.4	53.8	50.8	47.9	42.0	36.8	32.2
73.7	70.8	67.9	63.2	61.2	58.3	56.7	55.2	52.0	48.8	43.0	37.5	32.8
74.0	71.5	68.4	63.4	61.2	59.9	58.0	56.5	52.5	49.8	43.2	37.8	33.5
73.7	71.1	68.0	64.7	62.0	60.1	57.9	56.3	52.9	49.3	43.6	38.3	33.2
74.2	71.9	68.9	65.0	61.7	60.1	58.6	56.3	53.4	50.0	44.0	38.4	33.7
74.0	71.8	68.1	64.2	61.9	59.6	58.1	57.0	53.3	49.4	43.2	38.2	33.5
69.7	61.6	50.3	39.0	34.6	32.6	31.7	31.2	30.0	28.8	27.0	24.5	23.0
69.8	64.1	56.2	49.0	45.7	44.0	42.1	41.0	38.6	36.1	32.9	29.6	26.5
69.3	60.1	47.7	36.4	33.8	32.7	31.9	31.3	30.1	29.0	26.9	24.7	22.7
71.7	68.8	64.4	47.1	46.1	44.7	44.1	42.8	40.8	39.5	35.7	32.6	29.7
69.4	60.4	48.4	36.4	34.0	32.6	31.9	31.7	30.1	28.4	27.1	24.9	22.8
69.7	62.4	53.2	44.6	42.3	40.9	39.9	38.6	36.9	35.0	31.7	28.8	25.7
70.0	60.7	49.0	35.4	31.1	29.9	29.5	28.9	28.0	26.8	25.1	23.4	22.0
70.0	63.9	55.2	46.6	43.4	42.3	41.3	40.1	38.1	36.3	32.6	29.3	26.5
70.5	61.0	49.4	36.0	31.7	30.9	29.9	29.6	28.6	27.5	25.6	23.9	22.4
71.2	65.0	58.2	50.3	45.7	43.3	42.1	41.2	39.2	37.4	34.4	31.6	28.9
71.3	65.6	58.4	50.6	45.9	43.6	42.4	41.4	39.3	37.9	34.4	31.6	29.1
71.4	65.2	58.4	50.2	45.7	43.6	42.4	41.2	39.4	37.7	34.3	31.5	28.9
71.2	64.8	56.7	47.7	43.9	42.3	41.2	39.8	38.0	36.0	32.7	29.3	26.6
70.6	64.5	55.3	47.0	44.2	42.8	41.5	40.2	38.1	36.6	32.9	29.6	27.0
71.0	63.2	53.0	42.9	40.3	38.5	37.5	36.9	34.9	33.3	30.5	27.9	25.2
70.3	63.0	53.2	43.8	40.5	39.0	38.1	37.3	35.4	33.6	30.7	28.0	25.4
72.3	67.7	52.6	40.3	36.9	35.5	34.5	33.7	32.0	30.7	28.3	26.4	23.8
70.1	61.2	49.2	38.4	35.4	34.7	33.7	32.9	31.5	30.7	28.2	25.3	23.2
70.2	63.6	54.5	45.9	43.2	41.9	40.8	39.9	37.6	35.9	32.9	29.4	26.4
71.2	64.3	54.9	45.3	41.0	39.5	38.1	37.1	35.4	33.9	30.9	28.1	25.8
71.6	63.8	53.8	43.6	40.3	38.9	37.7	36.9	35.1	33.6	30.9	27.7	25.1
71.5	63.8	53.8	43.4	39.9	38.5	37.9	36.8	35.4	33.6	30.2	27.8	25.3
71.6	63.9	54.0	43.6	39.8	38.4	37.4	36.7	35.1	33.2	30.3	27.6	25.4
72.0	64.6	55.9	46.0	43.2	41.0	40.4	39.2	37.1	35.6	32.4	29.4	26.0

erage Piezometer Readings, Prototype Feet of Water

0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T=480 LC=26.9	T=540 LC=23.8	T=600 LC=20.9	T=660 LC=18.4	T=720 LC=17.2	T=780 LC=16.0
	48.1	45.6	40.4	35.4	31.0	27.3	24.3	21.6	19.5	17.8	16.8	16.0
	50.2	46.9	41.5	36.6	31.9	28.3	24.6	21.8	19.5	17.8	16.8	16.0
	50.8	47.9	42.0	36.8	32.2	28.2	24.8	21.8	19.9	18.3	16.8	16.0
	52.0	48.8	43.0	37.5	32.8	28.5	25.0	22.3	19.9	18.0	16.8	16.0
	52.5	49.8	43.2	37.8	33.5	29.0	25.1	22.3	20.1	18.1	17.0	16.0
	52.9	49.3	43.6	38.3	33.2	28.8	25.1	22.2	19.8	17.8	16.5	16.0
	53.4	50.0	44.0	38.4	33.7	29.1	25.6	22.1	20.0	18.1	16.6	16.0
	53.3	49.4	43.2	38.2	33.5	28.9	25.2	21.9	19.9	17.9	16.7	16.0
	30.0	28.8	27.0	24.5	23.0	21.5	19.8	18.6	17.7	16.9	16.5	16.0
	38.6	36.1	32.9	29.6	26.5	24.1	21.8	20.2	18.7	17.4	16.5	16.0
	30.1	29.0	26.9	24.7	22.7	21.6	19.9	18.7	17.8	16.8	16.3	16.0
	40.8	39.5	35.7	32.6	29.7	27.2	24.6	22.2	20.2	18.5	17.1	16.0
	30.1	28.4	27.1	24.9	22.8	21.7	20.2	18.9	17.9	16.9	16.5	16.0
	36.9	35.0	31.7	28.8	25.7	23.8	21.7	20.0	18.4	17.5	16.6	16.0
	28.0	26.8	25.1	23.4	22.0	20.6	19.3	18.2	17.6	16.7	16.3	16.0
	38.1	36.3	32.6	29.3	26.5	24.1	21.8	19.9	18.5	17.3	16.4	16.0
	28.6	27.5	25.6	23.9	22.4	20.9	19.5	18.5	17.8	16.8	16.2	16.0
	39.2	37.4	34.4	31.6	28.9	26.7	24.7	23.1	18.8	17.5	16.6	16.0
	39.3	37.9	34.4	31.6	29.1	26.9	25.0	23.4	19.2	17.6	16.8	16.0
	39.4	37.7	34.3	31.5	28.9	26.7	24.7	23.1	18.8	17.4	16.6	16.0
	38.0	36.0	32.7	29.3	26.6	24.3	22.1	20.0	18.8	17.3	16.7	16.0
	38.1	36.6	32.9	29.6	27.0	24.3	22.1	20.3	18.9	17.6	16.7	16.0
	34.9	33.3	30.5	27.9	25.2	23.2	21.2	19.7	18.6	17.2	16.7	16.0
	35.4	33.6	30.7	28.0	25.4	23.1	21.3	19.7	18.2	17.1	16.3	16.0
	32.0	30.7	28.3	26.4	23.8	22.0	20.4	18.9	17.6	16.9	16.1	16.0
	31.5	30.7	28.2	25.3	23.2	21.8	20.1	18.9	17.8	17.0	16.5	16.0
	37.6	35.9	32.9	29.4	26.4	24.1	21.9	20.0	18.6	17.3	16.7	16.0
	35.4	33.9	30.9	28.1	25.8	23.6	21.4	19.9	18.6	17.5	16.7	16.0
	35.1	33.6	30.9	27.7	25.1	23.2	21.3	19.7	18.3	17.1	16.3	16.0
	35.4	33.6	30.2	27.8	25.3	23.2	21.4	19.7	18.1	17.3	16.3	16.0
	35.1	33.2	30.3	27.6	25.4	22.8	21.3	19.4	18.2	17.3	16.4	16.0
	37.1	35.6	32.4	29.4	26.0	24.3	22.0	20.0	18.5	17.4	16.7	16.0

Table A29 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=1(LC=
104	26+68.3	-22.1	74.0	71.5	64.2	55.0	44.9	42.0	40.6	39.8
105	26+68.3	-22.1	74.0	72.9	66.7	56.0	45.9	42.3	40.8	40.2
106	26+68.3	-22.1	74.0	73.0	67.0	56.3	46.3	42.1	40.9	40.0
107	26+78.3	-21.5	74.0	72.6	67.7	57.2	48.1	44.6	42.6	41.3
108	26+78.3	-21.5	74.0	72.1	65.7	57.8	48.2	43.9	42.0	41.1
109	26+78.3	-21.5	74.0	71.2	64.4	55.0	46.7	43.4	42.1	41.4
110	26+78.3	-21.5	74.0	71.3	64.5	55.2	47.1	44.0	42.7	41.3
111	26+88.3	-20.9	74.0	71.6	65.2	57.2	49.5	46.5	44.3	43.3
112	26+88.3	-20.9	74.0	72.0	63.4	55.0	44.8	42.9	40.1	38.8
113	26+88.3	-20.9	74.0	72.7	65.4	54.7	45.7	42.7	41.4	40.2
114	26+88.3	-20.9	74.0	71.8	66.0	58.0	51.2	47.9	46.3	46.2
115	26+93.3	-20.6	74.0	72.0	66.8	60.2	54.3	50.8	48.1	46.9
116	26+93.3	-20.6	74.0	71.4	61.2	47.6	38.1	33.6	31.5	30.8
117	26+93.3	-20.6	74.0	71.1	62.7	51.2	42.0	39.0	37.1	36.2
118	26+93.3	-20.6	74.0	73.0	68.1	59.9	51.9	47.2	45.3	43.7
119	26+95.3	-20.6	74.0	73.6	71.3	60.9	51.8	48.6	47.2	45.9
120	26+95.3	-20.6	74.0	72.0	62.6	50.1	37.2	32.1	31.1	30.7
121	26+95.3	-20.6	74.0	72.9	69.7	65.8	48.0	45.9	44.9	43.4
122	26+95.3	-20.6	74.0	71.5	64.2	54.3	45.8	41.8	40.7	39.9
123	27+08.1	-24.25	74.0	72.9	68.1	62.7	56.5	52.9	52.0	49.9
123A	27+08.1	-24.25	74.0	72.8	67.6	60.4	53.6	50.5	49.0	48.0
124	27+18.1	-24.25	74.0	72.5	68.5	62.4	54.8	54.7	52.4	49.6
125	27+28.1	-24.25	74.0	73.1	68.7	63.7	58.6	54.3	53.2	52.5
126	27+38.1	-24.25	74.0	73.8	72.8	69.8	62.7	59.8	56.3	56.1
127	27+48.1	-24.25	74.0	73.5	70.6	67.0	62.8	59.3	58.4	56.1
128	27+58.1	-24.25	74.0	73.9	70.5	67.7	63.1	60.9	59.6	57.5
129	27+68.1	-24.25	74.0	73.6	70.6	67.5	63.6	60.9	59.6	57.5
130	27+78.1	-24.25	74.0	73.8	71.0	68.2	64.5	62.3	60.2	58.0
131	27+88.1	-24.25	74.0	73.9	71.6	68.5	65.0	62.6	60.6	58.7
131A	27+88.1	-24.25	74.0	73.7	71.3	67.7	64.6	61.1	59.1	57.6
132	26+14.0	-24.25	74.0	67.1	60.7	49.4	42.4	39.1	37.9	36.7

Average Piezometer Readings, Prototype Feet of Water

.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=105 LC=63.9	T=120 LC=62.0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T= LC
	55.0	44.9	42.0	40.6	39.8	38.3	36.6	34.8	31.2	29.0	26.1	23.9	21.
	56.0	45.9	42.3	40.8	40.2	39.5	37.6	35.7	32.4	30.1	27.8	25.2	23.
	56.3	46.3	42.1	40.9	40.0	39.2	37.1	35.6	32.0	29.2	26.5	24.3	22.
	57.2	48.1	44.6	42.6	41.3	40.1	38.4	36.4	32.8	30.1	27.3	24.7	22.
	57.8	48.2	43.9	42.0	41.1	39.9	37.6	35.8	32.4	29.3	26.5	24.1	21.
	55.0	46.7	43.4	42.1	41.4	40.0	37.6	36.0	32.6	29.3	26.4	23.8	21.
	55.2	47.1	44.0	42.7	41.3	40.5	38.2	36.3	33.1	29.8	26.7	24.4	22.
	57.2	49.5	46.5	44.3	43.3	41.9	39.9	38.1	34.4	31.1	27.8	24.8	22.
	55.0	44.8	42.9	40.1	38.8	37.9	36.2	34.5	31.4	29.0	25.9	23.6	21.
	54.7	45.7	42.7	41.4	40.2	39.0	36.9	35.8	32.8	29.1	26.6	24.2	21.
	58.0	51.2	47.9	46.3	46.2	43.9	41.2	39.2	35.5	31.8	28.4	25.4	23.
	60.2	54.3	50.8	48.1	46.9	45.1	42.7	40.0	35.5	31.5	28.4	25.4	22.
	47.6	38.1	33.6	31.5	30.8	29.9	30.1	28.8	27.8	26.5	24.4	21.6	20.1
	51.2	42.0	39.0	37.1	36.2	35.3	32.9	32.0	29.7	26.6	24.8	23.1	21.0
	59.9	51.9	47.2	45.3	43.7	42.1	40.8	38.4	34.4	30.6	27.3	24.7	22.6
	60.9	51.8	48.6	47.2	45.9	44.0	42.3	39.5	34.9	31.7	28.3	25.8	23.1
	50.1	37.2	32.1	31.1	30.7	30.1	29.0	27.7	26.1	24.6	22.6	20.3	19.3
	65.8	48.0	45.9	44.9	43.4	42.2	41.5	39.7	37.5	34.8	25.5	23.0	21.6
	54.3	45.8	41.8	40.7	39.9	37.7	35.7	35.8	32.1	28.6	25.9	23.8	22.2
	62.7	56.5	52.9	52.0	49.9	47.4	45.5	43.4	38.3	33.8	30.5	27.1	24.1
	60.4	53.6	50.5	49.0	48.0	46.0	43.4	41.2	36.2	33.0	28.9	25.9	23.3
	62.4	54.8	54.7	52.4	49.6	46.9	45.2	44.0	37.4	34.3	30.1	27.0	23.8
	63.7	58.6	54.3	53.2	52.5	51.3	47.7	46.1	39.9	35.7	31.6	27.4	24.4
	69.8	62.7	59.8	56.3	56.1	53.3	50.8	47.2	41.8	36.5	32.1	27.9	24.6
	67.0	62.8	59.3	58.4	56.1	55.2	50.9	47.9	42.5	37.1	33.1	28.6	25.1
	67.7	63.1	60.9	59.6	57.5	55.2	52.3	48.8	43.4	37.8	32.9	28.8	25.3
	67.5	63.6	60.9	59.6	57.5	55.8	52.3	49.4	43.1	37.4	32.6	28.6	25.1
	68.2	64.5	62.3	60.2	58.0	56.4	53.0	49.7	43.5	38.1	33.6	28.9	25.7
	68.5	65.0	62.6	60.6	58.7	56.8	53.4	49.9	44.0	38.2	33.2	29.0	25.4
	67.7	64.6	61.1	59.1	57.6	55.8	52.4	49.6	43.1	38.0	33.0	29.0	25.3
	49.4	42.4	39.1	37.9	36.7	35.2	34.1	32.8	30.3	27.6	24.8	22.8	20.9

rage Piezometer Readings, Prototype Feet of Water

0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T=480 LC=26.9	T=540 LC=23.8	T=600 LC=20.9	T=660 LC=18.4	T=720 LC=17.2	T=780 LC=16.0
	36.6	34.8	31.2	29.0	26.1	23.9	21.6	19.7	18.3	17.1	16.5	16.0
	37.6	35.7	32.4	30.1	27.8	25.2	23.0	21.1	19.7	18.5	17.7	16.0
	37.1	35.6	32.0	29.2	26.5	24.3	22.0	20.3	18.7	17.4	16.4	16.0
	38.4	36.4	32.8	30.1	27.3	24.7	22.4	20.8	19.2	17.6	16.8	16.0
	37.6	35.8	32.4	29.3	26.5	24.1	21.8	20.0	18.2	17.2	16.2	16.0
	37.6	36.0	32.6	29.3	26.4	23.8	21.5	19.8	18.5	17.6	16.3	16.0
	38.2	36.3	33.1	29.8	26.7	24.4	22.1	20.4	19.0	17.4	16.6	16.0
	39.9	38.1	34.4	31.1	27.8	24.8	22.5	20.5	19.0	17.1	16.4	16.0
	36.2	34.5	31.4	29.0	25.9	23.6	21.5	20.1	18.0	17.0	16.2	16.0
	36.9	35.8	32.8	29.1	26.6	24.2	21.9	20.3	18.8	17.5	16.7	16.0
	41.2	39.2	35.5	31.8	28.4	25.4	23.0	20.9	19.2	17.4	16.8	16.0
	42.7	40.0	35.5	31.5	28.4	25.4	22.7	20.6	18.9	17.6	16.4	16.0
	30.1	28.8	27.8	26.5	24.4	21.6	20.1	19.1	18.3	17.3	16.6	16.0
	32.9	32.0	29.7	26.6	24.8	23.1	21.0	18.9	18.3	17.0	16.4	16.0
	40.8	38.4	34.4	30.6	27.3	24.7	22.6	20.6	19.0	17.3	16.6	16.0
	42.3	39.5	34.9	31.7	28.3	25.8	23.1	21.0	19.1	17.8	16.9	16.0
	29.0	27.7	26.1	24.6	22.6	20.3	19.3	18.7	17.8	17.0	16.6	16.0
	41.5	39.7	37.5	34.8	25.5	23.0	21.6	19.6	18.7	17.5	16.6	16.0
	35.7	35.8	32.1	28.6	25.9	23.8	22.2	19.5	18.4	17.4	16.6	16.0
	45.5	43.4	38.3	33.8	30.5	27.1	24.1	21.7	19.5	18.0	17.0	16.0
	43.4	41.2	36.2	33.0	28.9	25.9	23.3	21.0	19.0	17.7	16.8	16.0
	45.2	44.0	37.4	34.3	30.1	27.0	23.8	21.3	19.2	17.6	16.6	16.0
	47.7	46.1	39.9	35.7	31.6	27.4	24.4	21.9	19.6	18.0	16.9	16.0
	50.8	47.2	41.8	36.5	32.1	27.9	24.6	22.0	19.7	18.1	16.8	16.0
	50.9	47.9	42.5	37.1	33.1	28.6	25.1	22.2	20.1	18.2	16.6	16.0
	52.3	48.8	43.4	37.8	32.9	28.8	25.3	22.4	19.8	18.4	16.9	16.0
	52.3	49.4	43.1	37.4	32.6	28.6	25.1	22.2	20.0	18.0	16.6	16.0
	53.0	49.7	43.5	38.1	33.6	28.9	25.7	22.4	20.0	17.9	16.8	16.0
	53.4	49.9	44.0	38.2	33.2	29.0	25.4	22.3	20.0	18.2	16.8	16.0
	52.4	49.6	43.1	38.0	33.0	29.0	25.3	22.4	20.0	18.1	16.6	16.0
	34.1	32.8	30.3	27.6	24.8	22.8	20.9	19.4	18.3	17.2	16.5	16.0

Table A29 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	
133	26+22.5	-24.25	74.0	66.8	58.0	43.6	32.8	30.1	29.1	2
134	26+70.0	-17.0	74.0	65.1	58.1	45.0	36.7	34.6	33.3	3
134A	26+70.0	-17.0	74.0	66.3	59.0	46.7	35.6	34.5	32.7	3
135	27+85.0	-17.0	74.0	64.0	59.5	52.7	46.9	42.2	37.8	3
135A	27+85.0	-17.0	74.0	65.5	57.6	45.9	35.1	32.1	30.9	3
136	28+60.0	-18.0	74.0	59.6	54.0	39.9	30.3	29.0	28.6	2
136A	28+60.0	-18.0	74.0	61.6	55.3	40.7	30.2	28.9	27.0	2
137	28+72.0	-18.0	74.0	59.2	53.8	38.9	29.1	28.5	27.8	2
137A	28+72.0	-18.0	74.0	61.7	54.9	40.0	29.0	27.3	26.3	2
138	29+21.3	-18.0	16.0	16.4	15.9	15.9	22.6	22.3	22.2	2
138A	29+21.3	-18.0	16.0	8.2	7.6	8.4	24.9	26.3	25.2	2
139	29+28.3	-18.9	16.0	11.5	6.8	11.3	27.2	26.9	26.5	2
140	29+37.3	-20.0	16.0	7.7	6.4	14.8	25.0	25.4	25.3	2
141	29+70.0	-20.0	16.0	19.8	16.1	21.0	25.8	24.9	24.2	2
141A	29+70.0	-20.0	16.0	17.9	15.9	23.2	25.7	25.7	24.4	2
142	30+10.0	-20.0	16.0	17.4	21.9	24.6	25.7	25.1	24.4	2
143	30+57.9	-27.0	16.0	16.5	17.4	15.1	13.5	12.8	12.4	1
144	30+66.4	-27.0	16.0	17.6	22.2	26.6	29.1	29.8	29.2	2
145	30+14.4	-27.0	16.0	17.5	18.9	19.4	18.9	19.1	18.7	1
146	30+22.9	-27.0	16.0	18.1	21.0	22.5	22.4	22.5	22.2	2
147	30+23.9	-34.0	16.0	17.5	19.4	21.2	21.6	22.0	21.4	2
148	30+23.9	-34.0	16.0	17.2	19.5	21.2	21.7	22.0	22.0	2
149	30+23.9	-34.0	16.0	17.1	19.9	22.9	24.5	24.3	24.1	2
150	30+23.9	-34.0	16.0	17.2	19.4	20.8	21.2	21.2	20.6	2
151	30+23.9	-34.0	16.0	17.2	21.8	26.5	27.3	26.9	26.3	2
152	30+67.4	-34.0	16.0	16.4	17.8	19.6	20.2	21.0	21.1	2
153	30+67.4	-34.0	16.0	17.0	19.9	21.3	22.1	21.9	21.2	2
154	30+67.4	-34.0	16.0	17.2	19.6	22.2	23.4	22.8	22.2	2
155	30+67.4	-34.0	16.0	16.4	18.2	20.2	21.1	21.4	21.1	2
156	30+67.4	-34.0	16.0	16.9	19.7	23.5	25.3	25.6	25.3	2
157	30+16.8	-29.5	16.0	16.1	15.4	11.7	5.1	5.1	3.9	4

Average Piezometer Readings, Prototype Feet ater

T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=105 LC=63.9	T=120 LC=62.0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC 41.7	T=360 LC=35.8	T= LC=
58.0	43.6	32.8	30.1	29.1	27.2	27.2	26.3	26.1	24.7	22.9	21.3	20.1
58.1	45.0	36.7	34.6	33.3	32.1	31.5	29.6	29.2	27.0	24.9	22.5	21.5
59.0	46.7	35.6	34.5	32.7	32.2	30.8	30.0	28.7	26.3	25.1	22.9	21.0
59.5	52.7	46.9	42.2	37.8	34.7	32.2	29.7	28.5	25.6	23.8	22.3	20.7
57.6	45.9	35.1	32.1	30.9	30.4	29.5	28.4	27.5	25.3	23.9	22.2	20.6
54.0	39.9	30.3	29.0	28.6	28.0	27.4	27.1	25.8	24.0	22.7	21.4	20.1
55.3	40.7	30.2	28.9	27.0	26.5	26.1	25.7	24.6	23.9	22.1	20.6	19.5
53.8	38.9	29.1	28.5	27.8	26.8	26.6	25.9	24.9	23.4	22.3	21.0	19.9
54.9	40.0	29.0	27.3	26.3	26.2	25.4	24.9	23.8	22.3	21.6	20.0	19.2
15.9	15.9	22.6	22.3	22.2	21.5	21.2	19.8	18.8	18.5	16.3	15.7	15.5
7.6	8.4	24.9	26.3	25.2	25.2	24.9	24.3	23.6	22.0	20.8	19.6	19.1
6.8	11.3	27.2	26.9	26.5	25.9	26.0	24.9	23.9	23.5	21.1	20.3	19.6
6.4	14.8	25.0	25.4	25.3	24.9	24.7	24.0	23.2	22.6	21.2	19.8	19.2
16.1	21.0	25.8	24.9	24.2	24.2	23.8	23.1	22.2	22.0	20.3	19.6	18.7
15.9	23.2	25.7	25.7	24.4	24.6	24.3	23.6	23.2	21.6	20.7	19.5	18.7
21.9	24.6	25.7	25.1	24.4	24.2	23.8	23.4	23.2	21.5	20.7	19.6	18.8
17.4	15.1	13.5	12.8	12.4	12.8	12.9	13.5	14.2	13.8	14.5	15.3	15.3
22.2	26.6	29.1	29.8	29.2	28.5	28.0	26.9	26.2	24.2	22.6	21.2	19.9
18.9	19.4	18.9	19.1	18.7	18.6	18.1	18.4	17.9	18.1	17.5	17.5	17.1
21.0	22.5	22.4	22.5	22.2	21.9	21.5	21.3	20.9	20.9	19.6	18.9	18.1
19.4	21.2	21.6	22.0	21.4	21.0	21.2	20.7	20.3	19.9	19.1	18.5	18.0
19.5	21.2	21.7	22.0	22.0	21.7	21.8	21.2	20.8	20.4	19.5	18.8	18.2
19.9	22.9	24.5	24.3	24.1	23.6	23.5	22.8	22.4	21.5	20.3	19.2	18.7
19.4	20.8	21.2	21.2	20.6	21.0	20.2	20.4	19.9	19.5	18.8	18.4	17.9
21.8	26.5	27.3	26.9	26.3	26.1	25.4	25.0	23.7	23.0	21.6	20.3	19.4
17.8	19.6	20.2	21.0	21.1	20.9	21.1	20.7	20.4	19.7	19.0	18.2	17.9
19.9	21.3	22.1	21.9	21.2	21.2	21.1	20.6	20.5	19.8	18.9	18.5	17.8
19.6	22.2	23.4	22.8	22.2	22.2	22.1	21.6	21.0	20.2	19.3	18.8	18.1
18.2	20.2	21.1	21.4	21.1	21.2	21.1	21.0	20.8	20.0	19.4	18.9	18.6
19.7	23.5	25.3	25.6	25.3	24.7	24.3	23.8	23.2	21.9	20.9	19.7	19.0
15.4	11.7	5.1	5.1	3.9	4.5	5.9	6.2	7.4	9.7	10.8	11.9	13.6

e Piezometer Readings, Prototype Feet of Water

T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T=480 LC=26.9	T=540 LC=23.8	T=600 LC=20.9	T=660 LC=18.4	T=720 LC=17.1	T=780 LC=16.0
26.3	26.1	24.7	22.9	21.3	20.1	19.0	18.2	17.3	16.8	16.5	16.0
29.6	29.2	27.0	24.9	22.5	21.5	20.0	18.8	18.1	17.2	16.5	16.0
30.0	28.7	26.3	25.1	22.9	21.0	19.9	18.7	17.7	16.9	16.5	16.0
29.7	28.5	25.6	23.8	22.3	20.7	19.6	18.2	17.2	16.5	16.1	16.0
28.4	27.5	25.3	23.9	22.2	20.6	19.5	18.4	17.6	16.8	16.0	16.0
27.1	25.8	24.0	22.7	21.4	20.1	18.8	18.1	17.5	16.6	16.3	16.0
25.7	24.6	23.9	22.1	20.6	19.5	18.8	17.9	17.3	16.5	16.3	16.0
25.9	24.9	23.4	22.3	21.0	19.9	18.9	18.0	17.4	16.8	16.3	16.0
24.9	23.8	22.3	21.6	20.0	19.2	18.3	17.4	16.9	16.3	16.1	16.0
19.8	18.8	18.5	16.3	15.7	15.5	15.4	15.8	15.8	15.8	16.1	16.0
24.3	23.6	22.0	20.8	19.6	19.1	18.1	17.4	17.0	16.4	16.1	16.0
24.9	23.9	23.5	21.1	20.3	19.6	18.3	17.9	16.9	16.6	15.9	16.0
24.0	23.2	22.6	21.2	19.8	19.2	18.3	17.6	17.0	16.6	16.2	16.0
23.1	22.2	22.0	20.3	19.6	18.7	18.0	17.2	16.7	16.4	16.1	16.0
23.6	23.2	21.6	20.7	19.5	18.7	18.2	17.5	17.2	16.3	16.1	16.0
23.4	23.2	21.5	20.7	19.6	18.8	18.1	17.6	16.7	16.4	16.2	16.0
13.5	14.2	13.8	14.5	15.3	15.3	15.5	15.8	15.7	16.0	15.8	16.0
26.9	26.2	24.2	22.6	21.2	19.9	19.0	17.9	17.3	16.7	16.0	16.0
18.4	17.9	18.1	17.5	17.5	17.1	16.8	16.7	16.4	16.1	16.2	16.0
21.3	20.9	20.9	19.6	18.9	18.1	17.8	17.3	16.7	16.3	16.1	16.0
20.7	20.3	19.9	19.1	18.5	18.0	17.6	17.1	16.5	16.4	16.0	16.0
21.2	20.8	20.4	19.5	18.8	18.2	17.6	17.1	16.6	16.4	16.1	16.0
22.8	22.4	21.5	20.3	19.2	18.7	18.2	17.5	16.9	16.7	16.3	16.0
20.4	19.9	19.5	18.8	18.4	17.9	17.2	16.9	16.5	16.2	16.2	16.0
25.0	23.7	23.0	21.6	20.3	19.4	18.5	17.6	17.3	16.8	16.5	16.0
20.7	20.4	19.7	19.0	18.2	17.9	17.5	17.2	16.4	16.3	15.9	16.0
20.6	20.5	19.8	18.9	18.5	17.8	17.4	17.1	16.7	16.3	16.1	16.0
21.6	21.0	20.2	19.3	18.8	18.1	17.7	17.3	17.0	16.8	16.2	16.0
21.0	20.8	20.0	19.4	18.9	18.6	17.9	17.5	17.1	16.8	16.5	16.0
23.8	23.2	21.9	20.9	19.7	19.0	18.1	17.5	17.0	16.6	16.1	16.0
6.2	7.4	9.7	10.8	11.9	13.6	14.4	15.3	15.4	15.8	16.2	16.0

Table A29 (Concluded)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=[illegible] LC=[illegible]
158	30+31.0	-29.5	16.0	16.0	14.4	11.5	9.9	11.0	11.0	11.0
159	30+60.3	-29.5	16.0	16.0	15.0	12.5	9.3	7.0	7.0	7.5
160	30+74.5	-29.5	16.0	15.8	16.0	14.2	12.0	12.1	12.5	12.7
161	22+57.6	-24.0	74.0	67.2	61.9	52.1	44.7	42.9	41.2	40.4
162	22+57.6	-26.4	74.0	70.2	63.9	56.7	48.4	43.6	41.7	40.9
163	22+60.6	-24.0	74.0	67.3	62.1	52.1	44.5	43.0	41.0	40.8
164	22+60.6	-26.4	74.0	70.0	65.0	55.2	47.3	45.5	43.6	42.7
165	29+25.8	-32.3	16.0	7.2	-3.4	5.0	21.8	22.0	21.3	21.2
166	29+28.8	-33.0	16.0	14.8	14.2	17.2	26.6	27.1	26.5	26.2
167	29+31.8	-33.7	16.0	14.7	16.1	19.0	28.5	27.7	27.1	27.3

Average Piezometer Readings, Prototype Feet of W

T=30 LC=73.3	T=45 LC=71.8	T=60 LC=70.0	T=75 LC=68.2	T=90 LC=66.1	T=105 LC=63.9	T=120 LC=62.0	T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3
14.4	11.5	9.9	11.0	11.0	11.0	12.0	12.5	12.3	13.6	14.0	14.9	15.2
15.0	12.5	9.3	7.0	7.0	7.5	7.6	8.7	9.5	11.1	12.5	13.3	14.0
16.0	14.2	12.0	12.1	12.5	12.7	13.2	13.4	13.9	14.5	14.9	15.2	15.6
61.9	52.1	44.7	42.9	41.2	40.4	39.8	37.3	35.9	32.2	28.6	26.4	23.6
63.9	56.7	48.4	43.6	41.7	40.9	39.8	37.8	36.0	32.3	28.9	26.3	23.9
62.1	52.1	44.5	43.0	41.0	40.8	39.8	37.5	35.7	32.2	29.0	26.7	23.8
65.0	55.2	47.3	45.5	43.6	42.7	41.7	39.5	37.4	33.8	30.4	27.7	24.6
-3.4	5.0	21.8	22.0	21.3	21.2	21.2	20.7	20.4	20.3	19.1	18.5	18.2
14.2	17.2	26.6	27.1	26.5	26.2	25.8	24.9	24.3	23.4	21.7	20.4	19.4
16.1	19.0	28.5	27.7	27.1	27.3	26.7	25.5	24.5	24.0	22.1	20.8	19.6

e Piezometer Readings, Prototype Feet of Water

T=150 LC=57.9	T=180 LC=54.3	T=240 LC=47.6	T=300 LC=41.7	T=360 LC=35.8	T=420 LC=31.3	T=480 LC=26.9	T=540 LC=23.8	T=600 LC=20.9	T=660 LC=18.4	T=720 LC=17.2	T=780 LC=16.0
12.5	12.3	13.6	14.0	14.9	15.2	15.4	15.9	15.7	15.6	15.8	16.0
8.7	9.5	11.1	12.5	13.3	14.0	15.0	15.3	15.6	15.9	15.8	16.0
13.4	13.9	14.5	14.9	15.2	15.6	15.8	15.8	15.7	16.0	15.9	16.0
37.3	35.9	32.2	28.6	26.4	23.6	21.6	20.0	18.5	17.5	16.5	16.0
37.8	36.0	32.3	28.9	26.3	23.9	21.9	19.8	18.3	17.4	16.7	16.0
37.5	35.7	32.2	29.0	26.7	23.8	21.7	20.0	18.5	17.3	16.8	16.0
39.5	37.4	33.8	30.4	27.7	24.6	22.6	20.8	19.1	17.8	16.7	16.0
20.7	20.4	20.3	19.1	18.5	18.2	17.5	17.2	16.7	16.3	16.0	16.0
24.9	24.3	23.4	21.7	20.4	19.4	18.6	17.7	17.2	16.5	16.1	16.0
25.5	24.5	24.0	22.1	20.8	19.6	18.6	17.9	17.1	16.6	16.4	16.0

Table A30
H Pattern System Average Piezometer Reading During Emptying Operat **Type 14 Design,**

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3
15	22+52.1	-17.0	74	71.7	69.8	66.5	61.1	55.3	49.5	45.1
15A	22+52.1	-17.0	74	71.9	69.7	67.1	61.5	56	49.8	45.4
16	21+53.5	-17.0	74	71	69.1	66.1	60.1	55.4	49.8	46.3
17	22+59.1	-16.9	74	71.8	69.5	66.5	61	55.4	49.2	45.3
18	22+62.6	-16.8	74	71.7	69.9	66.7	61.2	55.1	49.2	45.4
19	22+69.1	-16.6	74	71.8	69.7	67.1	61.6	55.8	49.9	45.5
20	22+76.6	-16.5	74	73	72.2	70.8	68.5	65.7	50.4	46.9
21	22+90.6	-16.5	74	71.6	69.6	66.5	60.8	55.2	49	44.5
21A	22+90.6	-16.5	74	72.9	69	68	62.2	56.9	52.2	46.8
22	23+50.0	-16.5	74	68.1	66.4	63.6	58.5	53	47.5	43.6
23	24+50.0	-16.5	74	74	73.4	72	70.5	69.4	67.6	66.3
24	25+50.0	-16.5	74	71.7	69.2	66.6	61.3	55.7	49.6	46.5
24A	25+50.0	-16.5	74	73.3	69.6	68.2	62.5	57.4	52	47.1
25	26+04.3	-24.25	74	73.1	71.1	69.1	65.9	60.9	53.7	49.2
26	25+95.9	-24.25	74	72.3	70.4	67.5	62.5	56.5	49.9	45.6
27	26+09.2	-17.0	74	73.4	72.6	71.4	70.6	69.2	55.1	48.6
27A	26+09.2	-17.0	74	73.5	69.3	67.8	61.3	55.5	48.6	42.8
28	26+01.3	-20.1	74	73.5	70.6	67.7	62.5	56.6	52.2	47.8
29	26+12.4	-20.1	74	72.3	69.8	66.8	61.2	55.1	49.4	44.5
30	25+96.0	-20.1	74	73.9	73.7	73.8	73.5	59.5	43.2	35.7
31	26+04.5	-20.1	74	73.2	70.2	67.6	62.6	56.7	50.4	45.3
32	25+88.1	-20.1	74	73.2	70.8	68.4	64.6	55.1	45	36.2
33	25+92.6	-20.1	74	73.7	72.8	71.9	66.1	58.3	50.9	45.9
34	26+01.3	-28.4	74	72.9	68.9	66.3	59.4	51.8	43.9	36.8
35	26+12.4	-28.4	74	73.4	71.1	69.2	64.1	59.1	53.6	47.8
36	25+96.0	-28.4	74	73.6	71.5	69.2	65.8	61.5	49.3	40.4
37	26+04.1	-28.4	74	73.7	71.8	70.3	66.3	62.3	51.2	45.8
38	25+88.1	-28.4	74	73	69.5	66.6	59.5	52.2	44.2	37.2
39	25+92.6	-28.4	74	73.9	73.9	73.5	73.7	73.4	52.9	46.9
40	25+75.0	-24.1	74	73.7	73.1	72.7	71.8	70.7	56.3	49.8
42	25+70.0	-24.0	74	73.2	70.8	68.6	64.4	57.5	50.5	44.3

ing During Emptying Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Li alve Speed 2 Min

Average Piezometer Readings, Prototype Feet of Wa

T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3	T=120 LC=65.4	T=150 LC=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.
69.8	66.5	61.1	55.3	49.5	45.1	42.7	39	37.2	33.9	30.7	27.9	25	22.9
69.7	67.1	61.5	56	49.8	45.4	43.2	40.7	38.3	34.9	31.2	28	25.1	23
69.1	66.1	60.1	55.4	49.8	46.3	43.7	40	38.4	34.2	31.8	28.6	25.6	23.1
69.5	66.5	61	55.4	49.2	45.3	42.6	39.1	36.9	33.5	30.9	27.5	24.9	22.6
69.9	66.7	61.2	55.1	49.2	45.4	42.9	39.3	37.2	33.7	31	28	25.1	22.8
69.7	67.1	61.6	55.8	49.9	45.5	42.2	39.8	37.4	33.9	30.4	27.3	24.9	22.4
72.2	70.8	68.5	65.7	50.4	46.9	44.5	43.7	43	35.6	34.1	32.7	31.7	30.6
69.6	66.5	60.8	55.2	49	44.5	41.3	39.4	37.1	33.4	30.1	27.6	25.2	22.7
69	68	62.2	56.9	52.2	46.8	44	40.8	38.5	34.5	31.4	28.4	25.4	23.2
66.4	63.6	58.5	53	47.5	43.6	41.3	37.2	36.1	32.7	29.8	27.1	24.3	22.2
73.4	72	70.5	69.4	67.6	66.3	64.6	61.8	59.1	54.7	50.2	45.8	41.5	37.7
69.2	66.6	61.3	55.7	49.6	46.5	42.9	39.8	37.9	34.5	31.1	27.9	25.4	23.1
69.6	68.2	62.5	57.4	52	47.1	43.8	41.2	38	34.9	31.9	28.1	25.5	23.3
71.1	69.1	65.9	60.9	53.7	49.2	46.5	43.4	41	38.7	34.1	30.7	27.3	25.1
70.4	67.5	62.5	56.5	49.9	45.6	42	38.8	37.2	33.6	30.1	27.4	24.8	22.8
72.6	71.4	70.6	69.2	55.1	48.6	44.2	38.5	37.1	34.7	30.6	28.6	26.9	24.8
69.3	67.8	61.3	55.5	48.6	42.8	39.3	36	34.6	31.5	28.4	26.3	24.2	22.2
70.6	67.7	62.5	56.6	52.2	47.8	44	36.9	31.6	28	25.8	24	22.3	21.1
69.8	66.8	61.2	55.1	49.4	44.5	41.6	39.4	36.8	33.6	30.3	27.2	24.9	22.6
73.7	73.8	73.5	59.5	43.2	35.7	31.7	28.5	27	25.8	23.9	22.7	21.3	20
70.2	67.6	62.6	56.7	50.4	45.3	42.2	39	37.1	33.7	30.5	27.7	25.2	23
70.8	68.4	64.6	55.1	45	36.2	31.7	28.6	27.4	25.8	23.6	22.4	20.8	19.5
72.8	71.9	66.1	58.3	50.9	45.9	42.4	39.8	37.5	33.7	30.6	27.8	25.1	23
68.9	66.3	59.4	51.8	43.9	36.8	31.7	27.1	25.9	24.5	22.7	21.4	20.2	19.1
71.1	69.2	64.1	59.1	53.6	47.8	44.1	40.1	37.9	34.3	31.1	28	25.4	23.1
71.5	69.2	65.8	61.5	49.3	40.4	35.4	31.6	31.4	29.5	28.1	26	23.7	21.5
71.8	70.3	66.3	62.3	51.2	45.8	42	38.8	37	33.3	30.5	27.3	24.8	23
69.5	66.6	59.5	52.2	44.2	37.2	32.5	29.2	28.6	26.6	25.2	23.4	22	20.8
73.9	73.5	73.7	73.4	52.9	46.9	43.4	39.9	37	32.5	29.8	27	24.7	22.5
73.1	72.7	71.8	70.7	56.3	49.8	46.2	41.9	39.6	36	32	28.9	25.9	23.4
70.8	68.6	64.4	57.5	50.5	44.3	40.5	36.9	34.8	31.6	28.8	26.2	23.9	21.7

74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 2 Min (Constant Speed Gate), Normal Valve Oper n

age Piezometer Readings, Prototype Feet of Water

=150 C=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.7	T=540 LC=24.7	T=600 LC=21.9	T=660 LC=19.5	T=720 LC=17.7	T=780 LC=16.	T=840 LC=16.0
9	37.2	33.9	30.7	27.9	25	22.9	20.9	19.2	17.7	17	16.6	16
0.7	38.3	34.9	31.2	28	25.1	23	20.7	19.2	17.8	17	16.3	16
0	38.4	34.2	31.8	28.6	25.6	23.1	21.3	19.7	18.2	17.2	16.3	16
9.1	36.9	33.5	30.9	27.5	24.9	22.6	20.7	19.2	18	16.9	16.7	16
9.3	37.2	33.7	31	28	25.1	22.8	20.9	19.5	17.9	17.2	16.7	16
9.8	37.4	33.9	30.4	27.3	24.9	22.4	20.4	19.2	17.8	17	16.2	16
8.7	43	35.6	34.1	32.7	31.7	30.6	30.2	22.1	21.8	21.5	15.8	16
9.4	37.1	33.4	30.1	27.6	25.2	22.7	21.1	19.4	18.3	17.1	16.2	16
0.8	38.5	34.5	31.4	28.4	25.4	23.2	21.4	19.4	17.7	17.1	16.5	16
7.2	36.1	32.7	29.8	27.1	24.3	22.2	20.6	19	17.8	17	16.3	16
.8	59.1	54.7	50.2	45.8	41.5	37.7	33.9	29.5	26.2	22.9	19.4	16
0.8	37.9	34.5	31.1	27.9	25.4	23.1	21	19.4	18.1	17.3	16.5	16
.2	38	34.9	31.9	28.1	25.5	23.3	21.5	19.8	18.3	17.2	16.6	16
1.4	41	38.7	34.1	30.7	27.3	25.1	22.5	20.1	18.5	17.5	16.6	16
1.8	37.2	33.6	30.1	27.4	24.8	22.8	20.8	19.4	18	17.2	16.5	16
3.5	37.1	34.7	30.6	28.6	26.9	24.8	23.1	21.2	19.8	18.2	17	16
	34.6	31.5	28.4	26.3	24.2	22.2	20.5	18.7	17.7	16.9	16.5	16
3.9	31.6	28	25.8	24	22.3	21.1	19.9	18.8	17.8	16.8	16.5	16
1.4	36.8	33.6	30.3	27.2	24.9	22.6	20.7	19.2	17.8	17	16.3	16
.5	27	25.8	23.9	22.7	21.3	20	18.9	18	17.3	16.8	16	16
	37.1	33.7	30.5	27.7	25.2	23	21	19.3	18.3	17	16.5	16
.6	27.4	25.8	23.6	22.4	20.8	19.5	18.5	17.8	17	16.2	16.2	16
.8	37.5	33.7	30.6	27.8	25.1	23	20.9	19.2	18.1	17.2	16.4	16
.1	25.9	24.5	22.7	21.4	20.2	19.1	18	17.3	16.6	16.4	16.2	16
.1	37.9	34.3	31.1	28	25.4	23.1	21.2	19.4	18	17.1	16.3	16
.6	31.4	29.5	28.1	26	23.7	21.5	20	18.9	17.6	17.2	16.7	16
.8	37	33.3	30.5	27.3	24.8	23	20.8	18.9	18	16.9	16.3	16
.2	28.6	26.6	25.2	23.4	22	20.8	19.7	18.5	17.7	16.8	16.3	16
.9	37	32.5	29.8	27	24.7	22.5	21.2	19.6	18.2	17.2	16.5	16
.9	39.6	36	32	28.9	25.9	23.4	21.4	19.8	18.2	17.3	16.4	16
.9	34.8	31.6	28.8	26.2	23.9	21.7	20.1	18.7	17.8	16.7	16.6	16

Table A30 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.	T=90 LC=69.1	T=105 LC=67.3
43	25+70.0	-24.0	74	72.8	70	66.9	60.7	54.6	47.2	41.3
44	25+65.0	-23.1	74	73	69.5	65.9	58.7	51.5	43.6	37.9
45	25+65.0	-23.1	74	73.7	72.8	71.7	70	67.1	63.8	54.5
46	25+65.0	-23.1	74	73.1	70.5	68	62.2	56.5	50.3	44.8
47	25+60.0	-22.7	74	73.1	69.8	67	60.3	53.8	46.5	40.7
48	25+60.0	-22.7	74	73.1	70	67	60.8	53.9	47	41.1
49	25+60.0	-22.7	74	73.6	71	68.3	62.1	55.8	48.9	43
50	25+60.0	-22.7	74	74.1	73.9	73.7	73.4	58.7	49.9	43.3
51	25+50.0	-22.1	74	73.5	70.4	67.8	61.9	55.5	48.4	43.1
52	25+50.0	-22.1	74	74	73.9	73.7	73.5	61.9	53.3	46.4
53	25+50.0	-22.1	74	73.2	70.4	67.6	61.8	55.4	48.5	43
54	25+50.0	-22.1	74	73.3	70.5	67.6	61.7	55.7	49.3	44.4
55	25+40.0	-21.5	74	72.9	70.3	67.4	61.3	55.1	47.9	43
56	25+40.0	-21.5	74	73.7	72.3	70.4	67.4	63.7	59.9	56.9
57	25+40.0	-21.5	74	73.4	70.6	67.7	62.1	55.9	49.9	44.8
58	25+40.0	-21.5	74	73.8	71.4	69.3	64.8	59.5	53.9	48.2
59	25+30.0	-20.9	74	73.8	71.2	68.8	64.5	58.7	53.6	48.5
60	25+30.0	-20.9	74	73.5	70.9	68.7	63.8	58.1	52.6	48.6
61	25+30.0	-20.9	74	73.6	72.2	70.1	66.9	61.9	53.3	49.4
62	25+30.0	-20.9	74	73.9	71.4	69.3	64.1	59	53.1	49.5
63	25+25.0	-20.9	74	73.6	70.9	68.9	63.8	58.8	53.3	48.5
64	25+25.0	-20.6	74	73.9	70.8	68.6	63.6	57.6	51.7	46.9
65	25+25.0	-20.6	74	74	69.7	65.9	58	49.2	40.9	36.3
66	25+25.0	-20.6	74	73.6	72.6	71.6	69.5	67.8	66.7	65.2
68	25+23.0	-20.6	74	74.3	74	72.7	72.2	70.6	69.1	67.4
69	25+23.0	-20.6	74	73.7	70	66.9	60.3	52.5	45	38.9
70	25+23.0	-20.6	74	73.9	71	68.8	63.8	58.2	52.1	47.6
71	25+10.2	-24.25	74	73.9	73.1	72.1	70.1	67.6	65.4	62.8
71A	25+10.2	-24.25	74	74.1	71.5	69.3	65	60.4	54.3	49.2
72	25+00.2	-24.25	74	73.9	72.4	70.4	66.8	63.3	58.8	55.1
73	24+90.2	-24.25	74	73.8	72.2	71.2	68	64.6	61	57.4

Average Piezometer Readings, Prototype Feet o[illegible]r

T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3	T=120 LC=65.4	T=150 LC=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T= LC=
70	66.9	60.7	54.6	47.2	41.3	38.2	35.4	33.9	31	28.2	26	23.3	22
69.5	65.9	58.7	51.5	43.6	37.9	33.5	31.3	30	27.6	25.9	23.5	21.9	20.5
72.8	71.7	70	67.1	63.8	54.5	46.4	41.8	38.8	34.2	30.3	28.2	25.9	24.4
70.5	68	62.2	56.5	50.3	44.8	41.7	38.8	36.7	33.3	29.8	27	24.7	22.6
69.8	67	60.3	53.8	46.5	40.7	36.9	33.5	33.2	29.8	27.6	25.2	23.2	21.8
70	67	60.8	53.9	47	41.1	37.4	34.7	33	30.4	28	26	23.9	21.9
71	68.3	62.1	55.8	48.9	43	39.7	36.6	34.9	32	28.9	26.6	24.2	22.2
73.9	73.7	73.4	58.7	49.9	43.3	39.9	36.2	34.5	31.1	28.9	26	24.3	21.9
70.4	67.8	61.9	55.5	48.4	43.1	39.1	36.3	34.3	31.9	28.7	26.6	23.8	22.3
73.9	73.7	73.5	61.9	53.3	46.4	42.5	38.8	37.1	33.4	30.3	27.3	24.9	22.7
70.4	67.6	61.8	55.4	48.5	43	39.4	36.6	34.9	31.9	28.9	26.4	23.9	22.2
70.5	67.6	61.7	55.7	49.3	44.4	41	37.9	36.4	32.6	29.8	26.7	24.5	22.4
70.3	67.4	61.3	55.1	47.9	43	39.3	36.5	35.1	31.5	28.9	26.3	24.2	22.5
72.3	70.4	67.4	63.7	59.9	56.9	54.1	50.9	47.6	42.6	37.5	32.8	28.7	25.9
70.6	67.7	62.1	55.9	49.9	44.8	42	38.7	36.6	33.7	29.7	27.2	24.8	22.4
71.4	69.3	64.8	59.5	53.9	48.2	44	39.1	36.9	33.2	30	27.4	24.9	22.8
71.2	68.8	64.5	58.7	53.6	48.5	45.2	41.5	38.9	34.7	30.9	26.8	24	21
70.9	68.7	63.8	58.1	52.6	48.6	45.3	41.4	39.5	34.9	31.4	28.2	25.3	22.9
72.2	70.1	66.9	61.9	53.3	49.4	44.2	40.1	38.2	34.2	30.9	26.7	24.6	22.4
71.4	69.3	64.1	59	53.1	49.5	46.1	42.3	40.6	36.5	32.1	29	26	23.6
70.9	68.9	63.8	58.8	53.3	48.5	45.4	41.6	39.8	36.1	32	28.3	25.4	23
70.8	68.6	63.6	57.6	51.7	46.9	43.7	40.5	37.9	34.7	30.8	27.7	25.4	22.9
69.7	65.9	58	49.2	40.9	36.3	33.1	29.7	28	25.5	23.3	20.8	19.5	19.5
72.6	71.6	69.5	67.8	66.7	65.2	64.1	61.7	59.3	55.1	50.8	39.9	36.1	32.5
74	72.7	72.2	70.6	69.1	67.4	65.5	61.4	57.6	50.5	44.1	38.4	33	28.9
70	66.9	60.3	52.5	45	38.9	34.5	31.7	29.4	28.2	25.2	23.4	21.9	19.9
71	68.8	63.8	58.2	52.1	47.6	44.1	40.1	38.7	35.2	31.4	27.6	25.5	23.2
73.1	72.1	70.1	67.6	65.4	62.8	58.5	53.5	50.9	44.4	40.5	33.9	30.4	27.4
71.5	69.3	65	60.4	54.3	49.2	44.6	43.2	40.7	36.9	33	29.8	26.8	23.8
72.4	70.4	66.8	63.3	58.8	55.1	52	49	45.7	41.1	36.7	32.2	28.4	25.4
72.2	71.2	68	64.6	61	57.4	54.6	51	47.9	42.4	37.6	33.2	29.2	25.8

ge Piezometer Readings, Prototype Feet of Water

150 =61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.7	T=540 LC=24.7	T=600 LC=21.9	T=660 LC=19.5	T=720 LC=17.7	T=780 LC=16.6	T=840 LC=16.0
4	33.9	31	28.2	26	23.3	22	20.1	19	17.7	17	16.3	16
3	30	27.6	25.9	23.5	21.9	20.5	19.1	18	17.3	16.4	15.9	16
8	38.8	34.2	30.3	28.2	25.9	24.4	22.9	19.8	17	16.2	16.1	16
8	36.7	33.3	29.8	27	24.7	22.6	20.6	19.1	17.7	16.5	16.1	16
5	33.2	29.8	27.6	25.2	23.2	21.8	20.1	18.7	17.8	16.8	16.6	16
7	33	30.4	28	26	23.9	21.9	20.5	18.9	17.7	16.8	16.4	16
6	34.9	32	28.9	26.6	24.2	22.2	20.3	18.9	17.8	17	16.3	16
2	34.5	31.1	28.9	26	24.3	21.9	20.4	19.1	17.8	17	16.3	16
3	34.3	31.9	28.7	26.6	23.8	22.3	20.3	18.9	17.9	17	16.4	16
8	37.1	33.4	30.3	27.3	24.9	22.7	20.6	19.2	17.8	16.9	16.3	16
6	34.9	31.9	28.9	26.4	23.9	22.2	20.4	18.9	17.6	16.5	16.2	16
9	36.4	32.6	29.8	26.7	24.5	22.4	20.5	19	17.8	16.5	16	16
5	35.1	31.5	28.9	26.3	24.2	22.5	20.1	19.1	17.8	16.7	16.3	16
9	47.6	42.6	37.5	32.8	28.7	25.9	22.8	20.6	18.7	17.3	16.1	16
7	36.6	33.7	29.7	27.2	24.8	22.4	20.7	19.3	18	17	16.4	16
1	36.9	33.2	30	27.4	24.9	22.8	21	19.4	18	17.1	16.3	16
5	38.9	34.7	30.9	26.8	24	21	18.6	16.9	15.1	16.9	16.3	16
4	39.5	34.9	31.4	28.2	25.3	22.9	21	19.3	17.9	17.1	16.6	16
1	38.2	34.2	30.9	26.7	24.6	22.4	20.9	19.6	18.1	17.2	16.4	16
3	40.6	36.5	32.1	29	26	23.6	21.5	19.7	18.1	17.1	16.2	16
6	39.8	36.1	32	28.3	25.4	23	21	19.2	18.1	17.1	16.2	16
5	37.9	34.7	30.8	27.7	25.4	22.9	21	19.2	17.6	16.9	16.1	16
7	28	25.5	23.3	20.8	19.5	19.5	18.3	17.4	17.3	16.6	16.1	16
7	59.3	55.1	50.8	39.9	36.1	32.5	29.2	26	23.1	20.1	17.8	16
4	57.6	50.5	44.1	38.4	33	28.9	25.3	22.3	19.6	17.8	16.9	16
7	29.4	28.2	25.2	23.4	21.9	19.9	19.3	18	17.4	16.8	16.1	16
1	38.7	35.2	31.4	27.6	25.5	23.2	21.5	19.4	18	17	16.3	16
5	50.9	44.4	40.5	33.9	30.4	27.4	25	22.6	19.3	17.7	17	16
2	40.7	36.9	33	29.8	26.8	23.8	22	20.2	18.3	17.4	16.4	16
	45.7	41.1	36.7	32.2	28.4	25.4	22.1	19.9	18.2	17.4	16.3	16
	47.9	42.4	37.6	33.2	29.2	25.8	22.9	20.7	18.8	17.6	17	16

Table A30 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3
74	24+80.2	-24.25	74	74.1	72.6	71	68.6	65.7	62.2	57.9
75	24+70.2	-24.25	74	74.1	73	71.8	69.3	66.2	63.4	60.7
76	24+60.2	-24.25	74	73.9	72.9	71.7	69.5	67.1	64.4	61.6
77	24+50.2	-24.25	74	74.1	73.1	71.7	70	66.9	64	61.7
78	24+40.2	-24.25	74	74.3	73.5	72	70.2	68	65.2	62.6
79	24+30.2	-24.25	74	74	73.4	72	70.1	68	65.6	63
79A	24+30.2	-24.25	74	74.1	73.5	71.9	69.7	67.1	64.5	62
80	26+17.0	-28.4	74	72.7	69.3	65.4	58.3	50.9	43	37
81	26+06.0	-28.4	74	72.3	69.8	67.1	61.7	55.7	49.9	45.2
82	26+22.4	-28.4	74	72.9	69.4	66	59	51.4	43.5	37.7
83	26+13.9	-28.4	74	73.9	71.9	70	68.5	67.3	65.4	48.4
84	26+30.3	-28.4	74	72.8	69.3	65.6	58.8	51	43.5	37.1
85	26+25.7	-28.4	74	72.8	69.6	67.1	60.8	54.7	48.1	43.3
86	26+17.0	-20.1	74	73.1	69.2	66.6	59.3	52	43.3	36.2
87	26+06.0	-20.1	74	73.3	70	68.5	63	57.6	51.6	46.1
88	26+22.4	-20.1	74	73.5	69.5	67	59.4	52.2	44.2	36.4
89	26+13.9	-20.1	74	73.8	70.5	68.6	63.8	58.4	52.7	47
90	26+30.3	-20.1	74	73.8	70.9	68.6	63.9	58.9	52.8	47.2
91	26+25.7	-20.1	74	73.7	70.9	68.9	63.8	58.6	52.6	47.4
92	26+43.3	-24.1	74	73.2	70.8	68.5	63.5	58	52.2	46.9
93	26+43.3	-24.1	74	73	70.2	68.1	63	57	51.5	46.7
94	26+48.3	-24.0	74	73.2	70.4	67.5	61.5	55.5	48.6	42.8
95	26+48.3	-24.0	74	73.3	70.4	67.7	62	56	49.7	43.8
96	26+53.3	-23.1	74	73.8	72.6	71.3	69.5	56.9	48.3	41.5
97	26+53.3	-23.1	74	69.9	66.2	62.3	54.1	45.6	37.2	30.9
98	26+53.3	-23.1	74	72.8	69.7	66.1	59.3	52.4	44.7	39.6
99	26+58.3	-22.7	74	72.8	70.2	67.5	61.9	56.4	50.5	46
100	26+58.3	-22.7	74	73.8	71.3	69.5	63.3	56.8	50.1	43.8
101	26+58.3	-22.7	74	73.7	70.6	67.8	62.5	56.6	49.6	43.8
102	26+58.3	-22.7	74	73.4	70.8	68.1	62.5	56.2	49.5	44
103	26+68.3	-22.1	74	73.5	71	68.8	63.2	57.5	51.3	46

Average Piezometer Readings, Prototype Feet of Wa

=30 C=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3	T=120 LC=65.4	T=150 LC=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=55.3	T=420 LC=33.0	T=480 LC=28.7
2.6	71	68.6	65.7	62.2	57.9	56.7	53.3	49.2	44.2	38.7	34.2	29.7	26.4
3	71.8	69.3	66.2	63.4	60.7	58	53.7	49.4	44.5	39.1	34.1	30	26.6
2.9	71.7	69.5	67.1	64.4	61.6	58	54.5	51.4	45.8	39.7	34.4	30.5	26.8
3.1	71.7	70	66.9	64	61.7	59.4	55.4	52.6	46	40.4	35.4	30.8	26.7
3.5	72	70.2	68	65.2	62.6	60.3	56.2	52.9	46.8	40.9	35.9	31.1	27.2
3.4	72	70.1	68	65.6	63	60.4	56.3	52.7	46	40.7	35.7	30.7	26.8
3.5	71.9	69.7	67.1	64.5	62	59.8	56	52.6	46	40.4	35.1	31	27
9.3	65.4	58.3	50.9	43	37	33.9	31.1	30.5	27.6	25.7	24	22	20.7
9.8	67.1	61.7	55.7	49.9	45.2	42.4	39.5	37.8	33.9	30.7	27.6	25	22.4
9.4	66	59	51.4	43.5	37.7	34.2	31.5	30.7	28	25.9	24.3	22.4	21
1.9	70	68.5	67.3	65.4	48.4	45.8	42.5	40.2	35.8	32.1	29	26	23.5
9.3	65.6	58.8	51	43.5	37.1	34.2	31	30.5	27.9	25.8	24	22.2	20.9
9.6	67.1	60.8	54.7	48.1	43.3	40.3	36.8	35.7	32	29	26.7	24.2	22.3
9.2	66.6	59.3	52	43.3	36.2	32.3	28.6	28.1	26.3	24.8	23.2	21.6	20.6
0	68.5	63	57.6	51.6	46.1	43	39.4	37.6	34.1	31.3	28.3	25.5	22.9
9.5	67	59.4	52.2	44.2	36.4	32.1	28.8	28.2	26.6	24.3	23	21.9	20.3
9.5	68.6	63.8	58.4	52.7	47	43	38.8	36.7	33.5	30.4	27.7	24.9	23
9.9	68.6	63.9	58.9	52.8	47.2	43.3	39.3	37.4	33.6	30.4	27.3	24.7	22.8
9.9	68.9	63.8	58.6	52.6	47.4	43.4	39	36.9	33.5	30.3	27.5	24.9	22.6
9.8	68.5	63.5	58	52.2	46.9	43.4	39.7	37.8	34.3	31	28.1	25.4	23.1
9.2	68.1	63	57	51.5	46.7	43.6	39.9	38.2	34.8	31.3	28.2	25.9	23
9.4	67.5	61.5	55.5	48.6	42.8	39.8	36.5	35.1	31.9	28.7	26.3	24.2	22
9.4	67.7	62	56	49.7	43.8	40.4	37.2	35.7	32.4	29.2	26.8	24.5	22.3
2.6	71.3	69.5	56.9	48.3	41.5	37.6	34	32.5	29.8	27.4	25.3	23.4	21.5
3.2	62.3	54.1	45.6	37.2	30.9	27.3	25.7	24.5	23.4	22	21.1	20	18.7
9.7	66.1	59.3	52.4	44.7	39.6	36	33.2	31.7	29.2	26.8	24.9	22.8	21.1
9.2	67.5	61.9	56.4	50.5	46	42.8	39.6	37.7	34.1	30.5	27.8	25.1	23.3
1.3	69.5	63.3	56.8	50.1	43.8	40.5	36.9	35.2	31.9	29.2	26.3	24.2	22.2
9.6	67.8	62.5	56.6	49.6	43.8	40.4	35.7	34.4	31.6	28.5	25.8	24	22
9.8	68.1	62.5	56.2	49.5	44	40.6	36.9	35.2	32	29.1	26.7	24.2	22.3
	68.8	63.2	57.5	51.3	46	42.6	39.3	37.3	33.9	30.7	27.9	25.3	23.3

ge Piezometer Readings, Prototype Feet of Water

150 =61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.7	T=540 LC=24.7	T=600 LC=21.9	T=660 LC=19.5	T=720 LC=17.7	T=780 LC=16.6	T=840 LC=16.0
3	49.2	44.2	38.7	34.2	29.7	26.4	23.3	20.8	19.2	17.5	16.5	16
7	49.4	44.5	39.1	34.1	30	26.6	23.2	20.9	19	17.5	16.5	16
5	51.4	45.8	39.7	34.4	30.5	26.8	23.6	20.9	19	17.4	16.3	16
4	52.6	46	40.4	35.4	30.8	26.7	23.4	20.9	19.3	17.5	16.5	16
2	52.9	46.8	40.9	35.9	31.1	27.2	23.9	21.2	19.3	17.8	16.8	16
3	52.7	46	40.7	35.7	30.7	26.8	23.5	20.9	19	17.2	16.7	16
	52.6	46	40.4	35.1	31	27	23.8	20.9	19.1	17.5	16.5	16
1	30.5	27.6	25.7	24	22	20.7	19.5	18.3	17.4	16.5	16.1	16
5	37.8	33.9	30.7	27.6	25	22.4	21	19.2	17.7	16.9	16.3	16
5	30.7	28	25.9	24.3	22.4	21	19.5	18.3	17.4	16.8	16.5	16
5	40.2	35.8	32.1	29	26	23.5	21.6	19.6	18.1	17.2	16.6	16
	30.5	27.9	25.8	24	22.2	20.9	19.6	18.6	17.5	16.9	16.4	16
8	35.7	32	29	26.7	24.2	22.3	20.7	19.1	17.7	17.2	16.3	16
6	28.1	26.3	24.8	23.2	21.6	20.6	19.1	18.1	17.1	16.6	16.3	16
4	37.6	34.1	31.3	28.3	25.5	22.9	20.9	19.2	17.8	16.7	16	16
8	28.2	26.6	24.3	23	21.9	20.3	19.3	18.2	17.3	16.7	16.4	16
8	36.7	33.5	30.4	27.7	24.9	23	21	19.6	18.2	17.4	16.6	16
8	37.4	33.6	30.4	27.3	24.7	22.8	20.9	19.4	18	17.1	16.6	16
	36.9	33.5	30.3	27.5	24.9	22.6	20.9	19.1	18.1	17.1	16.5	16
7	37.8	34.3	31	28.1	25.4	23.1	21.3	19.5	18.1	17.5	16.3	16
9	38.2	34.8	31.3	28.2	25.9	23	21	19.4	17.8	16.9	16.1	16
5	35.1	31.9	28.7	26.3	24.2	22	20.5	18.8	18	17	16.5	16
2	35.7	32.4	29.2	26.8	24.5	22.3	20.6	19	17.9	17.1	16.3	16
	32.5	29.8	27.4	25.3	23.4	21.5	20.1	18.6	17.8	17.1	16.3	16
7	24.5	23.4	22	21.1	20	18.7	18.1	17.5	16.7	16.4	15.9	16
2	31.7	29.2	26.8	24.9	22.8	21.1	20	18.8	17.7	17.1	16.5	16
6	37.7	34.1	30.5	27.8	25.1	23.3	20.8	19.3	17.9	16.8	16.4	16
0	35.2	31.9	29.2	26.3	24.2	22.2	20.5	18.8	17.7	16.9	16.1	16
7	34.4	31.6	28.5	25.8	24	22	20	18.9	17.6	17	16.6	16
0	35.2	32	29.1	26.7	24.2	22.3	20.4	19.2	17.9	17.2	16.5	16
3	37.3	33.9	30.7	27.9	25.3	23.3	21.1	19.6	18.2	17.3	16.6	16

Table A30 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3
104	26+68.3	-22.1	74	73.5	70.8	68.3	62.8	56.8	51	45.3
105	26+68.3	-22.1	74	73.9	73.5	72.7	66.7	58.9	51.4	45.6
106	26+68.3	-22.1	74	73.7	70.8	68.5	62.7	57	50.4	45.1
107	26+78.3	-21.5	74	73.9	73.5	73	72	70.9	69.1	67.3
108	26+78.3	-21.5	74	73.1	70.6	67.6	62.3	56.8	50.5	45.8
109	26+78.3	-21.5	74	73.5	71.4	68.7	64.2	58.5	52.8	47.3
110	26+78.3	-21.5	74	73.3	70.8	68.3	62.9	57.7	51.3	46.6
111	26+88.3	-20.9	74	73.5	70.9	68.8	63.9	58.3	52.1	47.4
112	26+88.3	-20.9	74	73.6	71	68.7	63.7	58.8	53.1	48.5
113	26+88.3	-20.9	74	73.6	71.4	69	62.5	57.5	50.1	44.9
114	26+88.3	-20.9	74	73.6	70.7	68.1	62.4	56.7	50.3	45.4
115	26+93.3	-20.6	74	73.5	71.1	68.7	64.1	59.2	54.1	49.6
116	26+93.3	-20.6	74	73.5	71.2	69	64.2	60.2	54.3	49.5
117	26+93.3	-20.6	74	73.9	71.1	67.9	61.5	54.7	48.5	42.7
118	26+93.3	-20.6	74	73.5	71	68.5	63.9	58.1	52.1	46.3
119	26+95.3	-20.6	74	73.7	70.9	68.5	63.4	58.3	53.8	48.8
120	26+95.3	-20.6	74	74	73.2	72.2	68.6	60.5	53.8	48.7
121	26+95.3	-20.6	74	74.3	70.1	66.8	59.4	51	43	36.3
122	26+95.3	-20.6	74	73.7	72.4	71	68.9	67.1	66.4	65.1
123	27+08.1	-24.25	74	73	70.6	68.1	61.9	56.4	49.8	44.7
123A	27+08.1	-24.25	74	74.1	71.8	70	66.1	61.4	56.3	52.1
124	27+18.1	-24.25	74	73.9	71.5	69.6	64.9	60.9	56	52.5
125	27+28.1	-24.25	74	74.2	72.3	70.5	66.9	63.6	59.6	55.5
126	27+38.1	-24.25	74	73.6	72.5	70.4	67.6	64.3	60.6	57.8
127	27+48.1	-24.25	74	74.1	73.8	73.3	72.4	68.2	62.8	60.3
128	27+58.1	-24.25	74	73.8	72.8	71.4	69.1	66	63	60.1
129	27+68.1	-24.25	74	73.7	73.2	72	69.6	67.1	64.7	61.8
130	27+78.1	-24.25	74	73.9	72.9	71.7	69.8	67.3	64.3	62.7
131	27+88.1	-24.25	74	74.1	72.9	72	69.6	67.3	65	62.4
131A	27+88.1	-24.25	74	74.1	73.3	71.8	69.7	67.2	65	62.5
132	26+14.0	-24.25	74	73.9	73.1	71.7	69.8	67	64.5	61.6

Average Piezometer Readings, Prot[illegible] Feet of Water

T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3	T=120 LC=65.4	T=150 LC=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T= LC=
73.5	70.8	68.3	62.8	56.8	51	45.3	42	38.6	36.7	33	30.[illegible]	27.2	25
73.9	73.5	72.7	66.7	58.9	51.4	45.6	42.1	38.8	36.7	33.3	30.5	27.9	25.3
73.7	70.8	68.5	62.7	57	50.4	45.1	42.1	38.2	36.6	33	29.9	27.4	24.5
73.9	73.5	73	72	70.9	69.1	67.3	65.4	61.2	57.7	50.6	44	38.3	33
73.1	70.6	67.6	62.3	56.8	50.5	45.8	42.7	40	37.6	34.2	30.8	28.1	25.5
73.5	71.4	68.7	64.2	58.5	52.8	47.3	43.1	39.1	36.9	33.2	30	26.5	24.6
73.3	70.8	68.3	62.9	57.7	51.3	46.6	43.2	40	38	34.3	31.3	28	25.6
73.5	70.9	68.8	63.9	58.3	52.1	47.4	43.6	40.9	38.5	34.8	31.7	28.6	26
73.6	71	68.7	63.7	58.8	53.1	48.5	45.5	41.8	40.2	36.3	32.5	29	26.2
73.6	71.4	69	62.5	57.5	50.1	44.9	42.8	38.6	37	33.9	30.3	27.7	24.9
73.6	70.7	68.1	62.4	56.7	50.3	45.4	42.1	39	37.1	33.7	30.3	27.5	25.2
73.5	71.1	68.7	64.1	59.2	54.1	49.6	47.1	43.8	41.7	37.2	33.5	29.8	26.8
73.5	71.2	69	64.2	60.2	54.3	49.5	47.5	44.2	41.8	37.4	33.2	29.8	27.2
73.9	71.1	67.9	61.5	54.7	48.5	42.7	37.9	33.8	32	30.9	28.2	26.5	24.3
73.5	71	68.5	63.9	58.1	52.1	46.3	41.4	36	33.9	30.6	28.8	25.7	23.8
73.7	70.9	68.5	63.4	58.3	53.8	48.8	44.9	41.8	39.8	35.8	32.1	28.6	25.9
74	73.2	72.2	68.6	60.5	53.8	48.7	45.4	41.8	40.4	35.8	32	29.1	26.4
74.3	70.1	66.8	59.4	51	43	36.3	32.2	30.1	29.1	28.3	27	20.7	20.7
73.7	72.4	71	68.9	67.1	66.4	65.1	57.1	47.5	37.4	32.6	29.4	26.2	23.1
73	70.6	68.1	61.9	56.4	49.8	44.7	42.5	39.1	35.1	31.7	29.7	27	25
74.1	71.8	70	66.1	61.4	56.3	52.1	49.7	45.7	43.5	38.5	34.2	30.4	27
73.9	71.5	69.6	64.9	60.9	56	52.5	49.2	46.4	42.5	40.2	34.5	30.2	27.6
74.2	72.3	70.5	66.9	63.6	59.6	55.5	52.7	49.4	46	40.7	36.4	32.4	28.4
73.6	72.5	70.4	67.6	64.3	60.6	57.8	54.7	51.6	48.1	43	37.1	33.6	29.7
74.1	73.8	73.3	72.4	68.2	62.8	60.3	56.9	53	49.9	43.2	38.5	33.8	29.9
73.8	72.8	71.4	69.1	66	63	60.1	57.6	54	51	45	39.3	34.7	30.1
73.7	73.2	72	69.6	67.1	64.7	61.8	59	55.5	52.1	46.3	40.6	35.7	31.2
73.9	72.9	71.7	69.8	67.3	64.3	62.7	59.4	56.4	52.1	46.1	40.4	35.6	30.8
74.1	72.9	72	69.6	67.3	65	62.4	60	56.3	52.6	46.5	40.8	35.6	30.7
74.1	73.3	71.8	69.7	67.2	65	62.5	60.3	55.9	52.9	46	40.5	35.6	31
73.9	73.1	71.7	69.8	67	64.5	61.6	59.1	55.8	52.2	46.5	40.5	35.1	30.7

Piezometer Readings, Prototype Feet of Water

.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.7	T=540 LC=24.7	T=600 LC=21.9	T=660 LC=19.5	T=720 LC=17.7	T=780 LC=16.6	T=840 LC=16.0
	36.7	33	30.5	27.2	25	22.8	21.1	19.3	18.2	17.1	16.5	
	36.7	33.3	30.5	27.9	25.3	23.2	21.2	19.5	18.1	17	16.2	
	36.6	33	29.9	27.4	24.5	22.7	20.7	19.4	18.1	17	16.4	16
	57.7	50.6	44	38.3	33	28.7	24.7	21.9	19.5	17.7	16.6	16
	37.6	34.2	30.8	28.1	25.5	22.9	21.2	19.5	18.1	16.9	16.3	16
	36.9	33.2	30	26.5	24.6	22	20.6	19.1	17.9	16.7	16.2	16
	38	34.3	31.3	28	25.6	23	21.3	19.5	18	17	16.4	16
	38.5	34.8	31.7	28.6	26	23.7	21.6	19.8	18.7	17.5	16.8	16
	40.2	36.3	32.5	29	26.2	23.5	21.3	19.6	17.9	16.7	16.1	16
	37	33.9	30.3	27.7	24.9	22.4	21	19.5	18.1	17.5	16.8	16
	37.1	33.7	30.3	27.5	25.2	22.8	21	19.4	18	16.9	16.4	16
	41.7	37.2	33.5	29.8	26.8	24	22	20	18.6	17.4	16.7	16
	41.8	37.4	33.2	29.8	27.2	24	21.9	19.8	18.2	17.3	16.4	16
	32	30.9	28.2	26.5	24.3	21.7	20.4	19.5	18.1	17.4	16.6	16
	33.9	30.6	28.8	25.7	23.8	22.1	20.1	18.9	17.6	16.7	16.3	16
	39.8	35.8	32.1	28.6	25.9	23.4	21.3	19.8	17.9	17.1	16.5	16
	40.4	35.8	32	29.1	26.4	23.7	21.6	20	18.2	17.2	16.3	16
	29.1	28.3	27	20.7	20.7	19	18.5	17.9	17.1	17	16.6	16
	37.4	32.6	29.4	26.2	23.1	20.5	18.3	16.6	15.1	14.2	14.4	16
	35.1	31.7	29.7	27	25	22.8	21.1	18.7	18.3	17.2	16.6	16
	43.5	38.5	34.2	30.4	27	24.2	22.1	20	18.5	16.8	16.3	16
	42.5	40.2	34.5	30.2	27.6	24.3	22	20.1	18.4	17.2	16	16
	46	40.7	36.4	32.4	28.4	25	23	20.6	18.6	17.4	16.5	16
	48.1	43	37.1	33.6	29.7	25.7	23.4	20.7	19	17.4	16.2	16
	49.9	43.2	38.5	33.8	29.9	26.1	23.4	21.2	19	17.6	16.6	16
	51	45	39.3	34.7	30.1	26.6	23.2	21	19.3	17.7	17	16
	52.1	46.3	40.6	35.7	31.2	27.3	24.2	21.4	19.1	17.8	16.2	16
	52.1	46.1	40.4	35.6	30.8	27.4	24	21.2	19.3	17.8	16.8	16
	52.6	46.5	40.8	35.6	30.7	27.2	23.9	21.2	19	17.4	16.4	16
	52.9	46	40.5	35.6	31	26.7	23.7	21	19.2	17.3	16.3	16
	52.2	46.5	40.5	35.1	30.7	26.9	23.9	20.9	19.3	17.7	16.5	16

Table A30 (Continued)

Piezometer Location										
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3
133	26+22.5	-24.25	74	71.1	69.1	65.5	59.1	53	46.2	41
134	26+70.0	-17.0	74	71.2	68.3	63.4	55.9	47.5	39.1	33.1
134A	26+70.0	-17.0	74	71.1	68.1	64.1	57	49.6	42.1	36.9
135	27+85.0	-17.0	74	72.6	68.7	66.2	60.3	54.1	47	40.5
135A	27+85.0	-17.0	74	70.2	68.8	65.2	61.2	57.7	53.6	49.7
136	28+60.0	-18.0	74	70.5	67.5	63.7	55.9	48.5	41.2	35.3
136A	28+60.0	-18.0	74	67.6	66.9	60.9	53.8	45.5	37.7	32.7
137	28+72.0	-18.0	74	69.5	66.4	62.2	54.3	45.7	37.7	32.1
137A	28+72.0	-18.0	74	67.3	66.6	60.1	52.4	43.3	34.8	29.8
138	29+21.3	-18.0	16	15.5	15.9	15.7	15.7	15.5	15.3	15.6
138A	29+21.3	-18.0	16	13.4	8.8	3.7	3.1	3.2	6.9	14.6
139	29+28.3	-18.9	16	10.2	8.8	3.9	3.1	3.6	10.8	21.1
140	29+37.3	-20.0	16	13.6	10.5	5.2	6.9	5.9	19.4	23.9
141	29+70.0	-20.0	16	15.8	15	14.9	13.9	18.8	22	23.9
141A	29+70.0	-20.0	16	16.9	16.7	17	15.8	18	23.3	24.5
142	30+10.0	-20.0	16	17	18.2	19	21.1	22.5	23.3	24.3
143	30+57.9	-27.0	16	16.4	17	16.2	16.5	15.3	15	14.2
144	30+66.4	-27.0	16	16.7	17.5	19.2	21.7	24.1	26.3	27.9
145	30+14.4	-27.0	16	16.1	17.1	17.6	18.4	18.6	19.4	19
146	30+22.9	-27.0	16	16.1	16.5	16.8	19.1	20.9	22.3	23.1
147	30+23.9	-34.0	16	16.5	17.9	18.3	18.9	19.8	21.3	22.1
148	30+23.9	-34.0	16	16.7	17.4	18.1	19	20.1	21.1	21.7
149	30+23.9	-34.0	16	16.5	17.6	18.3	20.1	21.2	22.8	23.5
150	30+23.9	-34.0	16	16.2	17.4	18.3	19.5	20.5	21.9	22
151	30+23.9	-34.0	16	16.3	17.4	19.1	21.1	21.9	24.3	24.7
152	30+67.4	-34.0	16	16.5	17.2	17.9	19.3	19.9	20.1	20.4
153	30+67.4	-34.0	16	16.8	17	17.5	18.9	19.5	19.8	20.6
154	30+67.4	-34.0	16	16.5	17.1	18.1	19.3	20.9	21.4	22.5
155	30+67.4	-34.0	16	16	16.4	16.7	17.3	18.7	19.1	20.1
156	30+67.4	-34.0	16	16.1	17	18.5	20.1	21.6	23.2	24.3
157	30+16.8	-29.5	16	16	15.7	15	15.5	12.1	15.8	11.5

Average Piezometer Readings, Prototype Fee[illegible]ter

.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3	T=120 LC=65.4	T=150 LC=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	L
	69.1	65.5	59.1	53	46.2	41	37.7	35.6	33.7	31.4	28.2	23.7	23.7	21
	68.3	63.4	55.9	47.5	39.1	33.1	29.6	26.9	25.7	24.8	23.1	21.5	20.9	19
	68.1	64.1	57	49.6	42.1	36.9	32.9	30.5	29.5	27.3	25	23.3	21.6	20
	68.7	66.2	60.3	54.1	47	40.5	35.5	31.7	30.2	27.9	25.8	23.8	22.2	20
	68.8	65.2	61.2	57.7	53.6	49.7	46.1	39.6	34	28.5	25.4	23.6	21.8	20
	67.5	63.7	55.9	48.5	41.2	35.3	31.9	29.4	28.2	26.1	24	22.7	21.4	19
	66.9	60.9	53.8	45.5	37.7	32.7	29.3	27.4	26.3	25	23	21.7	20.6	19
	66.4	62.2	54.3	45.7	37.7	32.1	27.8	26.1	25.1	23.9	22	21.4	20.2	18
	66.6	60.1	52.4	43.3	34.8	29.8	26.6	24.7	24.2	23	21.6	20.7	19.7	19
	15.9	15.7	15.7	15.5	15.3	15.6	17	16.9	16.9	15.3	15.4	15.6	15.4	15
	8.8	3.7	3.1	3.2	6.9	14.6	26.4	24.5	24	22.8	21.3	20.5	19.3	18
	8.8	3.9	3.1	3.6	10.8	21.1	26.7	25.9	25.8	23.4	22.2	21.2	20	19
	10.5	5.2	6.9	5.9	19.4	23.9	24.1	23.2	23.3	21.8	20.8	19.9	19	18.
	15	14.9	13.9	18.8	22	23.9	24.3	23.4	23.4	21.5	20.7	19.5	19.1	18.
	16.7	17	15.8	18	23.3	24.5	24.6	23.8	23.3	22.4	21.4	20	19.3	18.
	18.2	19	21.1	22.5	23.3	24.3	24.2	23.5	23.1	22.1	20.9	19.7	19	18.
	17	16.2	16.5	15.3	15	14.2	13.7	12.1	12.7	13.8	14.2	14.6	15.2	15.
	17.5	19.2	21.7	24.1	26.3	27.9	28.6	27.3	26.5	25	23	21.8	20.5	19.
	17.1	17.6	18.4	18.6	19.4	19	19	18	18.4	17.8	17.9	17.3	17.4	17
	16.5	16.8	19.1	20.9	22.3	23.1	23.7	23.5	23.3	22.7	22.1	21.2	20.5	19.
	17.9	18.3	18.9	19.8	21.3	22.1	21.8	21.4	21.1	20.4	19.6	18.9	18.5	17.
	17.4	18.1	19	20.1	21.1	21.7	21.6	21.7	21.4	20	20	18.9	18.2	17.
	17.6	18.3	20.1	21.2	22.8	23.5	23.7	23.6	22.8	21.7	20.8	19.9	19	18.
	17.4	18.3	19.5	20.5	21.9	22	22.2	21.8	21.6	20.5	19.8	19.1	18.6	18.
	17.4	19.1	21.1	21.9	24.3	24.7	24.7	23.8	23.5	21.8	21.2	20	19	18.
	17.2	17.9	19.3	19.9	20.1	20.4	20.7	20.5	20.3	19.9	19	18.4	18	17.
	17	17.5	18.9	19.5	19.8	20.6	20.6	20.1	19.9	19.5	18.7	18.1	17.6	17.
	17.1	18.1	19.3	20.9	21.4	22.5	22.1	22.1	21.4	20.6	19.8	18.9	18.1	17.
	16.4	16.7	17.3	18.7	19.1	20.1	20.7	20.8	20.8	20.2	19.8	19.2	18.9	18.
	17	18.5	20.1	21.6	23.2	24.3	24.8	24.4	23.9	22.5	21.2	20	19.2	18.
	15.7	15	15.5	12.1	15.8	11.5	9.4	4.4	7.3	9.2	10.8	11.2	13	14.1

ge Piezometer Readings, Prototype Feet of Water

=150 C=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.7	T=540 LC=24.7	T=600 LC=21.9	T=660 LC=19.5	T=720 LC=17.7	T=780 LC=16.6	T=840 LC=16.0
.6	33.7	31.4	28.2	25.7	23.7	21.6	20	18.7	17.4	16.8	16	16
.9	25.7	24.8	23.1	21.5	20.9	19.4	18.8	17.4	17	16.4	16.2	16
.5	29.5	27.3	25	23.3	21.6	20.4	19.2	18.2	17.3	16.7	16.5	16
.7	30.2	27.9	25.8	23.8	22.2	20.7	19	18.3	17.5	16.9	16.7	16
.6	34	28.5	25.4	23.6	21.8	20.2	19.3	18.2	17.3	16.9	16.4	16
.4	28.2	26.1	24	22.7	21.4	19.9	18.7	17.8	17	16.4	16.1	16
.4	26.3	25	23	21.7	20.6	19.5	18.6	17.7	16.9	16.6	16.3	16
.1	25.1	23.9	22	21.4	20.2	18.8	18.2	17.2	16.8	16.4	16	16
.7	24.2	23	21.6	20.7	19.7	19.1	17.8	17.3	16.9	16.7	15.9	16
.9	16.9	15.3	15.4	15.6	15.4	15.6	15.7	15.7	15.7	15.8	16	16
.5	24	22.8	21.3	20.5	19.3	18.7	17.9	17.1	16.7	16.3	15.9	16
.9	25.8	23.4	22.2	21.2	20	19.1	18.2	17.8	17.1	16.7	16.4	16
.2	23.3	21.8	20.8	19.9	19	18.5	18.1	17.3	16.7	16.3	15.8	16
.4	23.4	21.5	20.7	19.5	19.1	18.1	17.5	17.1	16.5	16.3	16.2	16
.8	23.3	22.4	21.4	20	19.3	18.4	17.9	17	16.8	16.4	16.1	16
.5	23.1	22.1	20.9	19.7	19	18.2	17.7	17	16.7	16.3	16.2	16
.1	12.7	13.8	14.2	14.6	15.2	15.4	15.7	15.7	15.9	15.8	15.6	16
.3	26.5	25	23	21.8	20.5	19.5	18.5	17.7	16.9	16.5	16.1	16
	18.4	17.8	17.9	17.3	17.4	17	16.6	16.5	16.3	16.1	16.1	16
.5	23.3	22.7	22.1	21.2	20.5	19.7	19	18.3	17.8	17.1	16.5	16
.4	21.1	20.4	19.6	18.9	18.5	17.9	17.2	16.8	16.6	16.2	16	16
.7	21.4	20	20	18.9	18.2	17.7	17.5	17	16.5	16.5	16.3	16
.6	22.8	21.7	20.8	19.9	19	18.3	17.5	17	16.7	16.3	15.9	16
.8	21.6	20.5	19.8	19.1	18.6	18.1	17.2	17	16.6	16.2	16.1	16
.8	23.5	21.8	21.2	20	19	18.4	17.8	17.1	16.7	16.3	16.1	16
.5	20.3	19.9	19	18.4	18	17.3	16.9	16.7	16.5	16.1	16.1	16
.1	19.9	19.5	18.7	18.1	17.6	17.1	16.9	16.8	16.4	16.2	15.9	16
.1	21.4	20.6	19.8	18.9	18.1	17.8	17.2	16.8	16.5	16.1	16	16
.8	20.8	20.2	19.8	19.2	18.9	18.5	17.7	17.5	17	16.6	16.4	16
.4	23.9	22.5	21.2	20	19.2	18.5	17.7	17.2	16.8	16.4	15.9	16
	7.3	9.2	10.8	11.2	13	14.1	14.7	15.4	15.8	15.8	16.2	16

Table A30 (Concluded)

Piezometer Location										
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.9	T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3
158	30+31.0	-29.5	16	16.1	16.4	15.6	14.4	13.3	11.3	10.7
159	30+60.3	-29.5	16	16.1	16	15.3	14.5	12.6	11	8.9
160	30+74.5	-29.5	16	16.1	16	15.8	15.2	13.9	12.9	12.2
161	22+57.6	-24.0	74	71.7	69.6	66.4	61.3	55	49.4	45.5
162	22+57.6	-26.4	74	71.8	69.8	66.5	61.1	55.1	49.3	45.1
163	22+60.6	-24.0	74	71.5	69.7	66.5	60.9	55.1	49.1	45.5
164	22+60.6	-26.4	74	71.7	69.8	66.6	61.1	55.3	49.2	45.3
165	29+25.8	-32.3	16	6.7	3.6	-4.7	-7.4	-5.6	5.2	14.4
166	29+28.8	-33.0	16	13.5	11.1	5.6	6.9	6.4	19.5	24
167	29+31.8	-33.7	16	13.5	10.9	5.5	7.1	6.4	19.4	24

Average Piezometer Readings, Prototype Feet of Wa

T=30 LC=73.0	T=45 LC=73.0	T=60 LC=72.0	T=75 LC=70.9	T=90 LC=69.1	T=105 LC=67.3	T=120 LC=65.4	T=150 LC=61.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.
16.4	15.6	14.4	13.3	11.3	10.7	11.2	12.5	12.9	13.5	14.5	14.7	15	15.5
16	15.3	14.5	12.6	11	8.9	8	8.1	9.4	10.5	11.9	13.3	13.6	14.9
16	15.8	15.2	13.9	12.9	12.2	12.1	13.2	13.4	14.4	14.9	14.9	15.3	15.6
69.6	66.4	61.3	55	49.4	45.5	42.9	39.4	37.4	34.1	31.1	28	25.1	23.2
69.8	66.5	61.1	55.1	49.3	45.1	42.7	38.9	36.8	33.5	30.6	27.5	24.8	22.5
69.7	66.5	60.9	55.1	49.1	45.5	42.7	39.3	36.9	33.5	30.7	27.9	24.8	22.7
69.8	66.6	61.1	55.3	49.2	45.3	42.7	39.4	37.1	33.6	31.1	27.9	25	22.9
3.6	-4.7	-7.4	-5.6	5.2	14.4	21	20.9	21	19.5	19.1	18.8	18.2	17.8
11.1	5.6	6.9	6.4	19.5	24	24.6	23.6	23.4	21.1	20.7	19.3	18.8	18
10.9	5.5	7.1	6.4	19.4	24	24.2	23.6	23.4	21.9	20.8	20	19.2	18.5

Piezometer Readings, Prototype Feet of Water

.2	T=180 LC=57.7	T=240 LC=50.6	T=300 LC=44.0	T=360 LC=38.3	T=420 LC=33.0	T=480 LC=28.7	T=540 LC=24.7	T=600 LC=21.9	T=660 LC=19.5	T=720 LC=17.7	T=780 LC=16.6	T=840 LC=16.0
	12.9	13.5	14.5	14.7	15	15.5	15.7	15.6	16	15.9	15.8	16
	9.4	10.5	11.9	13.3	13.6	14.9	15.1	15.4	15.8	15.9	16.1	16
	13.4	14.4	14.9	14.9	15.3	15.6	15.7	15.6	15.9	15.9	15.9	16
	37.4	34.1	31.1	28	25.1	23.2	20.8	20	18.5	17.7	16.9	16
	36.8	33.5	30.6	27.5	24.8	22.5	20.5	19.5	18.1	17	16.5	16
	36.9	33.5	30.7	27.9	24.8	22.7	20.8	19.7	18.1	17.1	16.5	16
	37.1	33.6	31.1	27.9	25	22.9	20.7	19.7	18.2	17.3	16.8	16
	21	19.5	19.1	18.8	18.2	17.8	17.2	16.8	16.6	16.4	16.2	16
	23.4	21.1	20.7	19.3	18.8	18	16.5	16.3	16	15.7	15.4	16
	23.4	21.9	20.8	20	19.2	18.5	18.2	17	16.8	16.5	16.1	16

Table A31
H Pattern System Average Piezometer Reading During Emptying Ope ion, Type 14 Desig

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6
15	22+52.1	-17.0	74.0	73.9	71.7	71.9	69.5	67.8	65.2	62.2
15A	22+52.1	-17.0	74.0	73.8	71.6	71.9	69.7	68.1	65.4	62.6
16	21+53.5	-17.0	74.0	73.1	71.0	71.6	69.9	69.2	66.5	63.8
17	22+59.1	-16.9	74.0	73.9	71.7	72.0	69.8	68.0	65.5	62.2
18	22+62.6	-16.8	74.0	73.5	71.7	71.7	69.6	68.0	65.1	62.0
19	22+69.1	-16.6	74.0	74.0	72.1	72.0	70.3	68.3	65.8	62.8
20	22+76.6	-16.5	74.0	73.6	72.1	71.7	70.0	68.2	65.7	62.8
21	22+90.6	-16.5	74.0	73.7	72.0	71.8	69.9	68.0	65.3	62.6
21A	22+90.6	-16.5	74.0	73.5	71.4	72.3	70.2	68.8	66.1	63.4
22	23+50.0	-16.5	74.0	70.0	68.0	68.3	66.1	64.6	62.2	59.4
23	24+50.0	-16.5	74.0	73.8	73.2	72.6	72.1	71.9	70.8	69.4
24	25+50.0	-16.5	74.0	74.8	72.4	71.8	70.4	68.7	66.5	63.8
24A	25+50.0	-16.5	74.0	73.9	72.0	72.2	70.2	68.7	66.3	63.2
25	26+04.3	-24.25	74.0	74.1	73.4	73.0	72.1	71.2	69.7	68.2
26	25+95.9	-24.25	74.0	73.9	71.9	71.6	69.7	68.1	65.3	62.1
27	26+09.2	-17.0	74.0	74.1	73.4	73.2	72.4	71.4	70.6	69.7
27A	26+09.2	-17.0	74.0	74.3	72.1	72.2	70.2	68.4	65.6	62.3
28	26+01.3	-20.1	74.0	73.9	73.4	73.2	72.1	71.0	69.1	66.4
29	26+12.4	-20.1	74.0	73.8	72.0	71.8	70.0	67.9	65.5	62.4
30	25+96.0	-20.1	74.0	73.8	74.0	74.0	74.0	74.1	74.1	67.9
31	26+04.5	-20.1	74.0	74.0	72.4	72.2	70.2	68.4	65.9	62.9
32	25+88.1	-20.1	74.0	73.9	72.9	72.4	71.2	69.7	67.3	64.9
33	25+92.6	-20.1	74.0	74.0	73.7	73.5	73.0	72.2	70.9	67.5
34	26+01.3	-28.4	74.0	73.7	72.3	72.1	70.5	68.4	65.2	62.0
35	26+12.4	-28.4	74.0	74.0	73.1	72.5	71.4	69.9	67.6	64.9
36	25+96.0	-28.4	74.0	74.1	73.1	72.6	71.2	69.7	67.3	64.7
37	26+04.1	-28.4	74.0	73.9	72.4	72.4	70.7	68.5	66.4	63.6
38	25+88.1	-28.4	74.0	74.1	72.5	72.0	70.0	67.6	64.6	61.0
39	25+92.6	-28.4	74.0	73.9	72.8	72.5	71.0	69.1	66.5	63.6
40	25+75.0	-24.1	74.0	74.1	73.7	73.1	72.6	71.2	70.3	68.5

eading During Emptying Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-F[illegible]t, Valve Speed 4 M

Average Piezometer Readings, Prototype Feet of [illegible]r

T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T=120 LC=69.5	T=150 LC=66.6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5
71.7	71.9	69.5	67.8	65.2	62.2	58.8	51.7	45.6	37.1	32.9	30.1	27.0	24.6
71.6	71.9	69.7	68.1	65.4	62.6	59.4	52.7	46.3	37.7	34.5	30.6	27.5	24.8
71.0	71.6	69.9	69.2	66.5	63.8	60.4	54.8	48.6	39.6	35.1	31.5	28.3	25.3
71.7	72.0	69.8	68.0	65.5	62.2	58.5	52.0	45.4	37.1	33.1	29.6	26.9	24.5
71.7	71.7	69.6	68.0	65.1	62.0	58.6	51.9	45.4	37.2	32.6	29.9	27.1	24.8
72.1	72.0	70.3	68.3	65.8	62.8	59.7	53.2	46.1	37.4	33.4	30.1	27.2	24.6
72.1	71.7	70.0	68.2	65.7	62.8	59.4	53.0	46.1	37.3	33.3	30.0	27.2	24.7
72.0	71.8	69.9	68.0	65.3	62.6	59.1	52.5	45.7	37.0	32.9	29.8	27.5	25.1
71.4	72.3	70.2	68.8	66.1	63.4	60.3	53.5	47.4	38.7	35.0	30.7	27.9	25.0
68.0	68.3	66.1	64.6	62.2	59.4	56.0	49.2	43.7	35.6	32.4	29.2	26.4	23.9
73.2	72.6	72.1	71.9	70.8	69.4	69.0	66.7	64.6	59.9	56.4	52.5	47.0	43.6
72.4	71.8	70.4	68.7	66.5	63.8	61.5	57.3	51.3	39.8	35.6	31.3	28.2	25.6
72.0	72.2	70.2	68.7	66.3	63.2	60.2	53.6	46.7	37.9	34.1	31.0	27.5	24.9
73.4	73.0	72.1	71.2	69.7	68.2	64.6	54.9	46.9	37.0	33.1	29.3	26.1	24.1
71.9	71.6	69.7	68.1	65.3	62.1	58.3	51.0	43.9	35.9	32.6	29.1	26.6	24.3
73.4	73.2	72.4	71.4	70.6	69.7	68.3	66.2	47.0	44.0	40.9	37.6	34.4	31.5
72.1	72.2	70.2	68.4	65.6	62.3	58.8	51.4	43.9	35.0	31.5	28.2	26.0	23.7
73.4	73.2	72.1	71.0	69.1	66.4	62.2	53.2	43.9	30.8	27.3	25.0	24.0	22.2
72.0	71.8	70.0	67.9	65.5	62.4	58.9	52.1	45.5	36.7	33.2	29.7	27.2	24.7
74.0	74.0	74.0	74.1	74.1	67.9	66.3	45.9	37.4	27.3	25.0	23.7	22.2	20.9
72.4	72.2	70.2	68.4	65.9	62.9	59.5	52.4	45.8	36.7	32.8	29.7	27.0	24.6
72.9	72.4	71.2	69.7	67.3	64.9	62.4	51.3	39.2	26.5	24.2	22.8	21.5	20.2
73.7	73.5	73.0	72.2	70.9	67.5	62.8	54.0	46.9	37.3	33.5	30.0	27.2	24.7
72.3	72.1	70.5	68.4	65.2	62.0	57.9	49.3	41.0	31.7	29.0	28.0	26.5	25.9
73.1	72.5	71.4	69.9	67.6	64.9	62.0	54.8	48.1	38.8	34.0	30.5	27.9	25.1
73.1	72.6	71.2	69.7	67.3	64.7	61.3	54.1	46.6	33.6	27.6	25.1	23.4	22.0
72.4	72.4	70.7	68.5	66.4	63.6	60.4	52.7	46.1	36.9	33.0	29.8	26.7	24.5
72.5	72.0	70.0	67.6	64.6	61.0	56.9	47.3	39.1	28.8	26.0	24.8	23.0	21.3
72.8	72.5	71.0	69.1	66.5	63.6	60.7	53.0	46.3	37.7	33.5	30.1	27.2	24.6
73.7	73.1	72.6	71.2	70.3	68.5	66.5	62.8	58.6	41.5	36.6	33.1	30.0	27.5

4.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 4 Min (Constant Speed Gate), Normal Valve Operatic

Piezometer Readings, Prototype Feet of Water

T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T=600 LC=24.5	T=660 LC=21.6	T=720 LC=19.4	T=780 LC=17.7	T=840 LC=16.5	T=900 LC=16.0
45.6	37.1	32.9	30.1	27.0	24.6	22.6	20.7	19.1	17.7	16.9	16.4	16.0
46.3	37.7	34.5	30.6	27.5	24.8	22.4	20.6	18.9	17.8	16.8	16.1	16.0
48.6	39.6	35.1	31.5	28.3	25.3	23.1	21.3	19.5	17.7	17.4	15.9	16.0
45.4	37.1	33.1	29.6	26.9	24.5	21.8	20.3	18.8	17.5	16.7	16.1	16.0
45.4	37.2	32.6	29.9	27.1	24.8	21.9	20.6	18.9	17.7	17.1	16.2	16.0
46.1	37.4	33.4	30.1	27.2	24.6	22.5	20.7	19.2	18.0	16.7	16.3	16.0
46.1	37.3	33.3	30.0	27.2	24.7	22.3	20.6	19.4	17.8	16.5	16.3	16.0
45.7	37.0	32.9	29.8	27.5	25.1	22.4	20.9	19.3	18.2	17.1	16.4	16.0
47.4	38.7	35.0	30.7	27.9	25.0	22.8	20.7	19.5	17.8	16.9	16.1	16.0
43.7	35.6	32.4	29.2	26.4	23.9	21.9	20.1	18.9	17.6	16.7	16.2	16.0
64.6	59.9	56.4	52.5	47.0	43.6	39.1	35.0	31.1	27.2	23.1	19.0	16.0
51.3	39.8	35.6	31.3	28.2	25.6	23.1	20.8	19.0	17.9	17.0	16.3	16.0
46.7	37.9	34.1	31.0	27.5	24.9	22.4	20.7	19.5	18.0	17.1	16.3	16.0
46.9	37.0	33.1	29.3	26.1	24.1	21.6	19.9	18.8	17.6	16.7	16.3	16.0
43.9	35.9	32.6	29.1	26.6	24.3	22.1	20.6	19.1	18.1	17.0	16.5	16.0
47.0	44.0	40.9	37.6	34.4	31.5	28.3	25.4	22.7	20.6	18.9	17.0	16.0
43.9	35.0	31.5	28.2	26.0	23.7	21.7	20.2	18.9	17.7	17.0	16.5	16.0
43.9	30.8	27.3	25.0	24.0	22.2	20.5	19.5	18.5	17.2	16.8	16.3	16.0
45.5	36.7	33.2	29.7	27.2	24.7	22.3	20.7	19.1	18.0	17.0	16.5	16.0
37.4	27.3	25.0	23.7	22.2	20.9	19.7	18.7	17.8	17.1	16.6	16.2	16.0
45.8	36.7	32.8	29.7	27.0	24.6	22.2	20.5	19.0	17.7	17.0	16.2	16.0
39.2	26.5	24.2	22.8	21.5	20.2	19.0	18.1	17.4	17.2	16.6	16.1	16.0
46.9	37.3	33.5	30.0	27.2	24.7	22.9	20.7	19.1	17.8	16.9	16.4	16.0
41.0	31.7	29.0	28.0	26.5	25.9	24.8	23.9	23.3	17.2	16.7	16.5	16.0
48.1	38.8	34.0	30.5	27.9	25.1	22.9	21.0	19.3	18.0	17.1	16.2	16.0
46.6	33.6	27.6	25.1	23.4	22.0	20.5	19.4	18.1	17.7	16.6	16.3	16.0
46.1	36.9	33.0	29.8	26.7	24.5	22.6	20.7	19.4	18.0	17.1	16.3	16.0
39.1	28.8	26.0	24.8	23.0	21.3	20.3	19.0	18.3	17.3	16.7	16.3	16.0
46.3	37.7	33.5	30.1	27.2	24.6	22.6	20.7	19.2	18.0	17.0	16.3	16.0
58.6	41.5	36.6	33.1	30.0	27.5	25.5	23.6	21.2	19.4	17.4	16.8	16.0

Table A31 (Continued)

Piezometer Location											
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	
42	25+70.0	-24.0	74.0	74.1	73.8	73.1	72.6	71.4	69.5	66.1	62
43	25+70.0	-24.0	74.0	73.8	72.4	72.0	70.6	67.8	65.1	61.7	58
44	25+65.0	-23.1	74.0	73.8	72.6	72.0	70.0	67.3	64.1	60.5	56
45	25+65.0	-23.1	74.0	73.9	73.6	73.1	72.4	70.8	69.1	66.9	65
46	25+65.0	-23.1	74.0	73.7	72.4	72.2	70.7	68.7	66.1	63.0	59
47	25+60.0	-22.7	74.0	73.9	72.8	72.3	70.4	68.3	65.4	61.8	58
48	25+60.0	-22.7	74.0	74.1	72.6	72.2	70.3	68.1	65.3	62.1	58
49	25+60.0	-22.7	74.0	73.7	73.0	72.5	71.2	69.0	66.3	63.0	59
50	25+60.0	-22.7	74.0	73.9	73.6	73.5	73.1	72.3	70.9	69.3	67
51	25+50.0	-22.1	74.0	73.7	73.4	73.0	72.6	72.5	71.9	71.9	71
52	25+50.0	-22.1	74.0	74.0	74.0	73.9	73.9	73.7	73.7	67.6	61
53	25+50.0	-22.1	74.0	73.8	72.6	72.4	70.5	68.5	65.5	62.5	59
54	25+50.0	-22.1	74.0	73.6	72.7	72.1	70.3	68.2	65.7	62.3	59.
55	25+40.0	-21.5	74.0	74.3	72.8	72.5	70.8	68.9	66.0	62.4	58.
56	25+40.0	-21.5	74.0	74.3	73.5	73.2	71.8	70.6	69.0	66.9	64.
57	25+40.0	-21.5	74.0	73.8	72.6	72.3	70.5	68.3	65.7	62.6	59.
58	25+40.0	-21.5	74.0	74.0	72.8	72.3	71.1	69.5	67.1	64.4	60.
59	25+30.0	-20.9	74.0	73.8	72.9	72.7	71.2	69.7	67.7	65.1	62.
60	25+30.0	-20.9	74.0	73.9	73.3	72.5	71.0	69.2	66.7	64.0	60.
61	25+30.0	-20.9	74.0	73.9	73.4	72.7	71.7	70.3	68.5	65.8	63.
62	25+30.0	-20.9	74.0	73.7	72.9	72.5	71.2	69.1	67.1	64.3	60.
63	25+25.0	-20.9	74.0	73.7	72.8	72.4	71.0	69.3	67.0	64.0	61.
64	25+25.0	-20.6	74.0	74.3	73.3	72.7	71.3	69.3	67.0	64.3	60.
65	25+25.0	-20.6	74.0	73.9	73.1	72.2	70.3	68.1	64.7	61.1	57.
66	25+25.0	-20.6	74.0	73.9	73.8	73.2	72.9	71.5	70.4	69.1	68.
68	25+23.0	-20.6	74.0	74.2	73.8	73.2	73.1	72.4	71.6	70.7	69.
69	25+23.0	-20.6	74.0	74.1	73.1	72.4	70.3	67.6	65.0	60.8	56.
70	25+23.0	-20.6	74.0	73.9	72.8	72.4	70.8	69.0	66.7	63.6	60.
71	25+10.2	-24.25	74.0	73.5	73.7	73.3	72.6	71.9	70.9	69.7	67.
71A	25+10.2	-24.25	74.0	74.1	73.3	72.6	71.3	69.9	67.3	65.3	60.
72	25+00.2	-24.25	74.0	73.8	73.4	72.9	71.7	70.3	68.4	66.2	64.
73	24+90.2	-24.25	74.0	74.2	73.7	73.2	72.2	71.0	69.3	67.1	65.

Average Piezometer Readings, Prototype Feet Water

T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T=120 LC=69.5	T=150 LC=66.6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.
73.8	73.1	72.6	71.4	69.5	66.1	62.4	54.1	46.4	36.1	32.1	29.4	26.7	24.8
72.4	72.0	70.6	67.8	65.1	61.7	58.0	50.3	42.8	33.8	30.3	27.8	25.6	23.2
72.6	72.0	70.0	67.3	64.1	60.5	56.4	47.8	39.6	30.7	27.5	25.5	23.6	22.0
73.6	73.1	72.4	70.8	69.1	66.9	65.1	60.4	53.2	44.1	38.3	34.2	31.2	28.7
72.4	72.2	70.7	68.7	66.1	63.0	59.5	52.4	45.6	36.8	33.1	29.9	27.2	24.6
72.8	72.3	70.4	68.3	65.4	61.8	58.2	50.0	42.6	33.1	29.8	27.3	25.1	23.1
72.6	72.2	70.3	68.1	65.3	62.1	58.2	50.3	42.8	33.4	30.0	27.9	25.6	23.8
73.0	72.5	71.2	69.0	66.3	63.0	59.3	51.4	44.6	35.5	31.6	28.7	26.2	23.9
73.6	73.5	73.1	72.3	70.9	69.3	67.8	52.9	44.7	34.3	30.9	28.0	25.8	23.5
73.4	73.0	72.6	72.5	71.9	71.9	71.6	56.0	47.0	36.9	32.7	29.9	26.9	24.4
74.0	73.9	73.9	73.7	73.7	67.6	61.0	52.5	44.8	35.3	31.7	28.8	26.1	24.0
72.6	72.4	70.5	68.5	65.5	62.5	59.2	51.5	44.1	35.3	32.0	28.6	26.3	24.2
72.7	72.1	70.3	68.2	65.7	62.3	59.0	51.7	45.2	36.0	32.6	29.6	26.7	24.2
72.8	72.5	70.8	68.9	66.0	62.4	58.7	51.3	44.1	35.2	31.9	28.9	26.6	23.9
73.5	73.2	71.8	70.6	69.0	66.9	64.9	60.2	55.1	47.7	41.8	37.0	32.5	28.6
72.6	72.3	70.5	68.3	65.7	62.6	59.3	51.9	45.3	37.4	33.4	30.2	27.4	24.7
72.8	72.3	71.1	69.5	67.1	64.4	60.9	54.0	47.2	37.6	33.0	29.9	26.9	24.6
72.9	72.7	71.2	69.7	67.7	65.1	62.2	55.8	50.0	41.3	36.6	32.8	29.2	26.4
73.3	72.5	71.0	69.2	66.7	64.0	60.8	53.8	48.0	39.3	34.6	31.0	27.8	25.2
73.4	72.7	71.7	70.3	68.5	65.8	63.6	55.8	47.1	38.5	32.5	28.8	28.3	25.3
72.9	72.5	71.2	69.1	67.1	64.3	60.9	54.4	47.9	40.2	35.2	31.3	28.5	25.5
72.8	72.4	71.0	69.3	67.0	64.0	61.3	54.3	48.3	40.1	35.6	31.9	28.3	25.9
73.3	72.7	71.3	69.3	67.0	64.3	60.7	53.7	47.0	38.3	34.0	30.3	27.3	25.0
73.1	72.2	70.3	68.1	64.7	61.1	57.2	48.7	41.9	36.4	33.1	26.4	21.0	19.9
73.8	73.2	72.9	71.5	70.4	69.1	68.1	66.2	64.3	51.9	47.6	37.6	33.9	30.5
73.8	73.2	73.1	72.4	71.6	70.7	69.5	66.7	63.6	56.4	49.3	43.0	37.2	32.4
73.1	72.4	70.3	67.6	65.0	60.8	56.6	48.9	39.8	30.7	26.6	25.1	23.1	21.4
72.8	72.4	70.8	69.0	66.7	63.6	60.6	53.0	46.4	38.3	33.8	30.5	27.7	25.0
73.7	73.3	72.6	71.9	70.9	69.7	67.9	62.2	58.4	50.7	43.0	38.9	34.0	30.6
73.3	72.6	71.3	69.9	67.3	65.3	60.3	54.1	47.9	37.4	33.9	32.1	27.3	27.3
73.4	72.9	71.7	70.3	68.4	66.2	64.5	58.8	53.6	45.5	40.0	35.5	31.8	27.9
73.7	73.2	72.2	71.0	69.3	67.1	65.0	60.2	55.2	47.9	41.6	37.3	33.0	28.8

ge Piezometer Readings, Prototype Feet of Water

6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T=600 LC=24.5	T=660 LC=21.6	T=720 LC=19.4	T=780 LC=17.7	T=840 LC=16.5	T=900 LC=16.0
.	46.4	36.1	32.1	29.4	26.7	24.8	22.6	21.1	19.5	18.4	17.4	16.6	16.0
.	42.8	33.8	30.3	27.8	25.6	23.2	21.7	19.9	18.5	17.7	16.7	16.1	16.0
.	39.6	30.7	27.5	25.5	23.6	22.0	20.7	19.3	18.5	17.5	17.1	16.4	16.0
.	53.2	44.1	38.3	34.2	31.2	28.7	27.1	25.2	24.2	23.4	20.3	15.9	16.0
.	45.6	36.8	33.1	29.9	27.2	24.6	22.5	20.6	19.2	18.0	17.2	16.5	16.0
.	42.6	33.1	29.8	27.3	25.1	23.1	21.4	19.9	18.8	17.7	16.7	16.1	16.0
	42.8	33.4	30.0	27.9	25.6	23.8	21.7	20.1	18.8	17.7	16.9	16.1	16.0
	44.6	35.5	31.6	28.7	26.2	23.9	21.9	20.2	18.8	17.7	17.0	16.3	16.0
	44.7	34.3	30.9	28.0	25.8	23.5	21.5	20.1	19.0	17.7	17.0	16.3	16.0
	47.0	36.9	32.7	29.9	26.9	24.4	22.4	20.5	19.0	17.9	16.9	16.1	16.0
	44.8	35.3	31.7	28.8	26.1	24.0	21.9	20.5	19.0	17.8	17.0	16.5	16.0
	44.1	35.3	32.0	28.6	26.3	24.2	22.3	20.5	18.9	17.8	16.9	16.3	16.0
	45.2	36.0	32.6	29.6	26.7	24.2	22.4	20.9	19.1	17.8	17.0	16.5	16.0
	44.1	35.2	31.9	28.9	26.6	23.9	22.0	20.5	19.0	18.0	16.9	16.4	16.0
	55.1	47.7	41.8	37.0	32.5	28.6	25.5	22.5	20.5	18.7	17.6	16.5	16.0
	45.3	37.4	33.4	30.2	27.4	24.7	22.5	20.7	19.0	17.6	16.8	16.1	16.0
	47.2	37.6	33.0	29.9	26.9	24.6	22.7	20.8	19.3	17.7	16.7	16.2	16.0
	50.0	41.3	36.6	32.8	29.2	26.4	23.7	21.4	19.7	18.4	17.2	16.4	16.0
	48.0	39.3	34.6	31.0	27.8	25.2	22.7	21.0	19.3	18.0	16.9	16.4	16.0
	47.1	38.5	32.5	28.8	28.3	25.3	23.0	21.4	20.0	18.4	17.4	16.6	16.0
	47.9	40.2	35.2	31.3	28.5	25.5	23.3	21.2	19.3	18.0	17.1	16.4	16.0
	48.3	40.1	35.6	31.9	28.3	25.9	23.5	21.4	19.5	18.3	17.3	16.6	16.0
	47.0	38.3	34.0	30.3	27.3	25.0	22.6	20.6	19.0	17.9	16.6	16.3	16.0
	41.9	36.4	33.1	26.4	21.0	19.9	18.5	17.9	17.3	16.8	16.5	16.0	16.0
	64.3	51.9	47.6	37.6	33.9	30.5	27.6	24.7	22.5	20.6	18.7	17.4	16.0
	63.6	56.4	49.3	43.0	37.2	32.4	27.9	24.5	21.6	19.2	17.6	16.6	16.0
	39.8	30.7	26.6	25.1	23.1	21.4	20.2	18.6	18.0	17.1	16.8	16.1	16.0
	46.4	38.3	33.8	30.5	27.7	25.0	22.6	20.7	19.3	17.8	17.0	16.4	16.0
	58.4	50.7	43.0	38.9	34.0	30.6	27.7	24.7	22.7	20.9	19.3	18.2	16.0
	47.9	37.4	33.9	32.1	27.3	27.3	22.9	21.2	19.4	18.2	17.2	16.3	16.0
	53.6	45.5	40.0	35.5	31.8	27.9	25.3	22.6	19.9	18.2	17.4	16.3	16.0
	55.2	47.9	41.6	37.3	33.0	28.8	25.6	22.6	20.2	18.6	17.4	16.5	16.0

Table A31 (Continued)

Piezometer Location											
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T L
74	24+80.2	-24.25	74.0	73.8	73.8	73.1	72.4	70.9	69.6	67.6	66.2
75	24+70.2	-24.25	74.0	74.0	73.6	73.2	72.6	71.2	69.8	68.2	66.7
76	24+60.2	-24.25	74.0	73.9	73.4	73.3	72.6	71.4	70.1	68.5	67.2
77	24+50.2	-24.25	74.0	74.2	73.9	73.3	72.8	71.5	70.2	68.8	67.2
78	24+40.2	-24.25	74.0	74.1	74.3	73.5	72.9	71.8	70.6	69.0	67.5
79	24+30.2	-24.25	74.0	73.8	73.7	73.5	72.9	71.9	70.4	68.8	67.8
79A	24+30.2	-24.25	74.0	74.1	73.9	73.6	72.9	71.8	70.5	68.6	67.2
80	26+17.0	-28.4	74.0	74.3	73.0	72.1	70.6	68.6	65.9	62.8	59.3
81	26+06.0	-28.4	74.0	73.9	72.5	72.1	70.3	68.4	65.9	63.1	59.8
82	26+22.4	-28.4	74.0	73.9	72.1	71.9	69.7	67.3	64.0	60.3	56.3
83	26+13.9	-28.4	74.0	74.0	72.6	72.3	71.0	69.2	66.6	64.2	61.4
84	26+30.3	-28.4	74.0	73.7	72.3	71.7	69.7	67.3	63.9	60.3	56.1
85	26+25.7	-28.4	74.0	73.7	72.2	72.0	69.9	67.9	65.6	62.0	59.1
86	26+17.0	-20.1	74.0	73.7	71.9	71.7	69.9	67.3	64.2	60.6	56.4
87	26+06.0	-20.1	74.0	73.9	72.1	72.3	70.6	68.9	66.3	63.4	60.6
88	26+22.4	-20.1	74.0	73.7	72.0	71.9	69.9	67.5	64.2	60.4	56.3
89	26+13.9	-20.1	74.0	72.4	72.0	71.9	70.2	68.0	66.5	63.6	60.5
90	26+30.3	-20.1	74.0	73.9	72.6	72.4	70.9	69.0	66.7	63.7	60.6
91	26+25.7	-20.1	74.0	74.1	72.5	72.1	70.9	68.9	66.4	63.6	60.6
92	26+43.3	-24.1	74.0	73.9	72.9	72.5	70.5	69.0	66.3	63.6	59.8
93	26+43.3	-24.1	74.0	73.9	72.4	71.9	70.4	68.6	66.2	63.6	59.8
94	26+48.3	-24.0	74.0	73.3	72.3	71.6	70.0	68.0	65.1	61.9	58.7
95	26+48.3	-24.0	74.0	73.9	72.6	72.4	70.3	68.5	65.8	62.7	59.1
96	26+53.3	-23.1	74.0	74.1	73.1	72.5	70.8	68.7	66.1	63.4	60.2
97	26+53.3	-23.1	74.0	73.8	72.3	71.8	69.6	67.4	64.4	60.8	56.9
98	26+53.3	-23.1	74.0	73.8	72.5	72.4	70.4	68.5	66.1	62.8	59.8
99	26+58.3	-22.7	74.0	73.7	72.9	72.1	70.8	68.8	66.6	63.5	60.4
100	26+58.3	-22.7	74	73.6	72.7	72.3	70.8	68.5	65.7	62.3	59.3
101	26+58.3	-22.7	74	73.6	72.8	71.8	70.6	68.2	65.5	63.1	59.1
102	26+58.3	-22.7	74	73.3	72.5	72.5	70.7	67.9	66	63.1	59.2
103	26+68.3	-22.1	74	73.8	72.8	71.5	70.5	67.8	64.6	60.9	57.1

Average Piezometer Readings, Prototype Feet of Water

5 73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T=120 LC=69.5	T=150 LC=66.6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T L
	72.4	70.9	69.6	67.6	66.2	61.1	56.9	48.5	43.6	37.8	33.0	29.5	25.5	22.8
	72.6	71.2	69.8	68.2	66.7	62.1	57.6	49.7	44.2	37.9	33.7	29.9	25.9	22.8
	72.6	71.4	70.1	68.5	67.2	63.1	58.8	51.0	44.9	39.2	34.4	29.8	25.8	23.1
	72.8	71.5	70.2	68.8	67.2	63.0	59.1	52.0	45.1	39.7	34.7	30.2	26.4	23.3
	72.9	71.8	70.6	69.0	67.5	63.6	59.9	52.1	45.7	40.1	34.9	30.7	26.6	23.6
	72.9	71.9	70.4	68.8	67.8	63.7	60.0	52.2	45.8	40.3	34.9	30.3	26.7	23.4
	72.9	71.8	70.5	68.6	67.2	63.6	59.1	50.9	44.7	39.7	34.7	30.3	26.5	23.4
	70.6	68.6	65.9	62.8	59.3	50.9	42.8	31.1	27.6	25.6	23.7	22.0	20.5	19.4
	70.3	68.4	65.9	63.1	59.8	53.2	46.7	37.4	33.5	30.2	27.7	25.0	22.7	20.7
	69.7	67.3	64.0	60.3	56.3	47.8	40.0	29.7	26.9	25.0	23.2	21.7	20.0	18.9
	71.0	69.2	66.6	64.2	61.4	55.3	50.0	41.5	35.6	31.5	28.4	25.7	23.2	21.2
	69.7	67.3	63.9	60.3	56.1	47.6	40.2	30.6	27.4	25.4	23.6	22.0	20.6	19.4
	69.9	67.9	65.6	62.0	59.1	51.7	45.4	37.6	34.0	31.1	27.7	25.2	23.0	21.0
	69.9	67.3	64.2	60.6	56.4	47.1	38.9	29.4	26.4	24.2	23.0	21.6	20.1	19.1
	70.6	68.9	66.3	63.4	60.6	53.8	46.7	38.0	33.9	30.5	27.6	24.9	22.8	20.9
	69.9	67.5	64.2	60.4	56.3	47.2	38.4	29.2	26.5	24.4	23.1	21.3	19.9	18.7
	70.2	68.0	66.5	63.6	60.5	53.4	46.6	36.7	32.0	28.0	25.7	23.5	21.0	19.4
	70.9	69.0	66.7	63.7	60.6	53.4	46.7	37.6	33.1	29.6	27.0	24.5	22.4	20.3
	70.9	68.9	66.4	63.6	60.6	53.5	46.9	37.6	33.0	29.7	26.9	24.5	22.3	20.3
	70.5	69.0	66.3	63.6	59.8	52.9	46.3	37.7	33.8	30.4	27.5	25.1	22.6	20.9
	70.4	68.6	66.2	63.6	59.8	53.3	46.6	37.7	33.6	30.3	27.4	24.9	22.3	20.6
	70.0	68.0	65.1	61.9	58.7	51.1	43.6	35.1	31.2	28.2	26.0	23.5	21.6	20.0
	70.3	68.5	65.8	62.7	59.1	51.8	44.4	35.7	32.0	28.9	26.6	23.9	21.6	20.2
	70.8	68.7	66.1	63.4	60.2	51.1	42.6	32.9	29.9	27.3	25.2	23.4	21.3	20.2
	69.6	67.4	64.4	60.8	56.9	48.3	40.8	31.6	28.7	26.7	24.3	22.7	21.1	19.6
	70.4	68.5	66.1	62.8	59.8	52.7	46.0	37.7	33.7	30.6	27.6	24.9	22.8	20.7
	70.8	68.8	66.6	63.5	60.4	52.8	45.8	35.9	31.8	29.0	26.5	24.2	21.9	20.4
	70.8	68.5	65.7	62.3	59.3	51.7	44.5	35.8	31.7	29	26.4	24.1	21.9	20.7
	70.6	68.2	65.5	63.1	59.1	51.4	44.2	34.3	31.3	28.9	26.1	24.1	22	20.2
	70.7	67.9	66	63.1	59.2	52.3	44.9	36.4	32.5	28.8	26.9	24.9	22.1	20.8
	70.5	67.8	64.6	60.9	57.1	48.7	41.3	32.6	28.6	25.7	23.9	21.5	20.2	19.2

Piezometer Readings, Prototype Feet of Water

T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T=600 LC=24.5	T=660 LC=21.6	T=720 LC=19.4	T=780 LC=17.7	T=840 LC=16.5	T=900 LC=16.0
56.9	48.5	43.6	37.8	33.0	29.5	25.5	22.8	20.3	18.4	17.4	16.4	16.0
57.6	49.7	44.2	37.9	33.7	29.9	25.9	22.8	20.6	18.5	17.2	16.2	16.0
58.8	51.0	44.9	39.2	34.4	29.8	25.8	23.1	20.5	18.9	17.4	16.5	16.0
59.1	52.0	45.1	39.7	34.7	30.2	26.4	23.3	20.7	18.5	17.5	16.2	16.0
59.9	52.1	45.7	40.1	34.9	30.7	26.6	23.6	21.1	18.8	17.4	16.3	16.0
60.0	52.2	45.8	40.3	34.9	30.3	26.7	23.4	20.8	18.8	17.6	16.4	16.0
59.1	50.9	44.7	39.7	34.7	30.3	26.5	23.4	20.7	18.7	17.6	16.3	16.0
42.8	31.1	27.6	25.6	23.7	22.0	20.5	19.4	18.2	17.4	16.7	16.0	16.0
46.7	37.4	33.5	30.2	27.7	25.0	22.7	20.7	19.2	18.0	16.9	16.3	16.0
40.0	29.7	26.9	25.0	23.2	21.7	20.0	18.9	18.1	17.1	16.4	16.1	16.0
50.0	41.5	35.6	31.5	28.4	25.7	23.2	21.2	19.5	17.7	16.8	16.3	16.0
40.2	30.6	27.4	25.4	23.6	22.0	20.6	19.4	18.2	17.5	16.6	16.1	16.0
45.4	37.6	34.0	31.1	27.7	25.2	23.0	21.0	19.3	18.3	17.2	16.5	16.0
38.9	29.4	26.4	24.2	23.0	21.6	20.1	19.1	18.1	17.3	16.6	16.4	16.0
46.7	38.0	33.9	30.5	27.6	24.9	22.8	20.9	19.3	18.2	17.3	16.5	16.0
38.4	29.2	26.5	24.4	23.1	21.3	19.9	18.7	17.9	17.1	16.6	16.1	16.0
46.6	36.7	32.0	28.0	25.7	23.5	21.0	19.4	16.8	17.6	15.4	15.0	16.0
46.7	37.6	33.1	29.6	27.0	24.5	22.4	20.3	19.2	17.9	17.0	16.3	16.0
46.9	37.6	33.0	29.7	26.9	24.5	22.3	20.3	19.1	17.8	16.9	16.3	16.0
46.3	37.7	33.8	30.4	27.5	25.1	22.6	20.9	18.9	17.8	17.2	16.1	16.0
46.6	37.7	33.6	30.3	27.4	24.9	22.3	20.6	19.3	17.7	17.0	16.3	16.0
43.6	35.1	31.2	28.2	26.0	23.5	21.6	20.0	18.7	17.5	17.0	15.9	16.0
44.4	35.7	32.0	28.9	26.6	23.9	21.6	20.2	18.6	17.5	16.7	16.1	16.0
42.6	32.9	29.9	27.3	25.2	23.4	21.3	20.2	18.7	17.7	17.1	16.4	16.0
40.8	31.6	28.7	26.7	24.3	22.7	21.1	19.6	18.5	17.4	16.9	16.4	16.0
46.0	37.7	33.7	30.6	27.6	24.9	22.8	20.7	19.2	17.8	17.0	16.4	16.0
45.8	35.9	31.8	29.0	26.5	24.2	21.9	20.4	19.0	17.7	16.9	16.3	16.0
44.5	35.8	31.7	29	26.4	24.1	21.9	20.7	18.3	17.9	17.1	16.4	16
44.2	34.3	31.3	28.9	26.1	24.1	22	20.2	18.6	17.6	16.8	16.4	16
44.9	36.4	32.5	28.8	26.9	24.9	22.1	20.8	19.5	18	17.3	16.9	16
41.3	32.6	28.6	25.7	23.9	21.5	20.2	19.2	18	17.2	16.5	16.5	16

Table A31 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6
104	26+68.3	-22.1	74	73.4	73	72.1	70.6	68.6	66	63.1
105	26+68.3	-22.1	74	73.8	73.0	72	70.9	68.1	65.4	62
106	26+68.3	-22.1	74	73.8	73.6	73.2	72.9	71.9	68.1	63.9
107	26+78.3	-21.5	74.0	73.9	72.9	72.3	70.8	69.0	66.3	63.1
108	26+78.3	-21.5	74.0	73.5	72.9	72.3	70.7	68.9	66.7	63.6
109	26+78.3	-21.5	74.0	74.0	72.4	72.3	70.7	68.7	66.1	63.3
110	26+78.3	-21.5	74.0	74.0	72.6	72.3	70.9	68.8	66.3	63.6
111	26+88.3	-20.9	74.0	73.9	72.9	72.1	71.2	69.3	67.5	64.1
112	26+88.3	-20.9	74.0	74.5	73.9	73.5	71.9	70.2	67.4	64.1
113	26+88.3	-20.9	74.0	74.0	72.9	72.5	70.6	68.5	65.9	62.9
114	26+88.3	-20.9	74.0	73.9	73.0	72.5	71.1	69.3	67.1	64.6
115	26+93.3	-20.6	74.0	74.0	73.8	73.1	72.0	70.9	69.4	67.4
116	26+93.3	-20.6	74.0	73.9	72.8	72.5	70.7	68.3	65.6	60.7
117	26+93.3	-20.6	74.0	73.9	72.7	72.1	70.2	68.0	65.2	62.2
118	26+93.3	-20.6	74.0	74.1	72.8	72.5	70.8	69.0	66.4	63.6
119	26+95.3	-20.6	74.0	74.0	73.4	73.3	72.4	71.3	70.1	68.5
120	26+95.3	-20.6	74.0	74.3	73.0	72.1	70.3	67.9	64.2	60.7
121	26+95.3	-20.6	74.0	74.1	72.9	72.4	70.7	68.5	66.3	62.7
122	26+95.3	-20.6	74.0	74.2	72.9	72.4	70.7	69.1	66.4	63.7
123	27+08.1	-24.25	74.0	74.2	73.7	73.3	72.7	71.6	69.5	67.9
123A	27+08.1	-24.25	74.0	73.8	73.1	72.7	71.5	69.8	67.6	65.7
124	27+18.1	-24.25	74.0	73.9	73.4	72.8	71.7	70.2	68.6	66.3
125	27+28.1	-24.25	74.0	73.9	73.9	73.5	72.9	72.4	71.1	70.3
126	27+38.1	-24.25	74.0	74.2	74.1	73.9	73.7	73.4	73.1	72.4
127	27+48.1	-24.25	74.0	73.9	73.8	73.1	72.3	71.0	69.6	67.5
128	27+58.1	-24.25	74.0	74.2	73.9	73.4	72.6	71.7	70.1	68.3
129	27+68.1	-24.25	74.0	74.1	73.9	73.3	72.6	71.2	70.2	68.5
130	27+78.1	-24.25	74.0	74.1	73.7	73.1	72.5	71.5	70.3	68.7
131	27+88.1	-24.25	74.0	74.1	73.9	73.3	72.5	71.9	70.5	69.1
131A	27+88.1	-24.25	74.0	74.0	73.7	73.1	72.2	71.3	70.1	68.5
132	26+14.0	-24.25	74.0	73.8	71.3	71.9	69.3	67.2	64.2	61.0

Average Piezometer Readings, Prototype Feet of ter

T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T=120 LC=69.5	T=150 LC=66.6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	
73	72.1	70.6	68.6	66	63.1	59.8	52.4	45.5	36.5	33.4	29.8	27.1	24.4	
72.6	72	69.9	68.1	65.4	62	58.7	51.1	45.2	37	33	29.5	27	24.8	
73.6	73.2	72.9	71.9	68.1	63.9	59.9	52.3	45.3	36.5	33.5	29.7	27.4	25.1	
72.9	72.3	70.8	69.0	66.3	63.1	60.1	52.8	46.0	37.5	33.5	30.4	27.6	25.2	
72.9	72.3	70.7	68.9	66.7	63.6	60.2	53.5	47.0	37.6	33.6	30.4	27.6	25.1	
72.4	72.3	70.7	68.7	66.1	63.3	59.8	53.0	46.0	37.7	33.7	30.2	27.3	24.5	
72.6	72.3	70.9	68.8	66.3	63.6	60.1	52.9	46.4	37.9	33.0	30.7	27.2	24.8	
72.9	72.1	71.2	69.3	67.5	64.1	61.2	55.1	48.4	40.2	35.7	32.5	29.0	26.0	
73.9	73.5	71.9	70.2	67.4	64.1	60.6	53.9	47.0	37.4	34.0	30.6	27.6	24.9	
72.9	72.5	70.6	68.5	65.9	62.9	59.1	52.7	44.8	36.4	32.8	29.6	27.4	24.7	
73.0	72.5	71.1	69.3	67.1	64.6	61.7	55.6	49.0	41.2	36.3	32.3	29.5	25.8	
73.8	73.1	72.0	70.9	69.4	67.4	65.0	59.5	54.1	44.3	37.9	33.4	29.6	26.9	
72.8	72.5	70.7	68.3	65.6	60.7	55.7	47.5	39.9	32.3	28.3	27.3	25.9	21.8	
72.7	72.1	70.2	68.0	65.2	62.2	58.0	50.0	42.3	33.5	29.7	28.0	25.5	23.6	
72.8	72.5	70.8	69.0	66.4	63.6	60.0	54.0	48.1	39.3	34.0	31.5	28.4	25.6	
73.4	73.3	72.4	71.3	70.1	68.5	66.3	59.9	52.4	41.9	36.6	32.7	28.5	26.3	
73.0	72.1	70.3	67.9	64.2	60.7	56.6	47.3	39.0	29.6	26.1	24.9	23.3	21.7	
72.9	72.4	70.7	68.5	66.3	62.7	59.4	51.6	45.0	36.0	31.4	29.2	26.3	23.9	
72.9	72.4	70.7	69.1	66.4	63.7	59.8	52.4	44.1	35.9	32.6	29.6	27.2	24.2	
73.7	73.3	72.7	71.6	69.5	67.9	65.6	60.3	55.0	46.1	40.4	36.1	32.0	28.5	
73.1	72.7	71.5	69.8	67.6	65.7	63.1	57.3	51.1	42.8	38.0	33.8	29.9	26.8	
73.4	72.8	71.7	70.2	68.6	66.3	63.9	58.3	54.1	46.0	40.4	36.2	31.9	28.4	
73.9	73.5	72.9	72.4	71.1	70.3	69.3	66.6	59.0	49.2	42.7	40.5	33.3	29.0	
74.1	73.9	73.7	73.4	73.1	72.4	69.5	63.3	57.7	48.3	43.0	37.5	33.4	29.3	
73.8	73.1	72.3	71.0	69.6	67.5	65.9	62.1	56.9	50.2	43.6	38.2	33.7	29.2	
73.9	73.4	72.6	71.7	70.1	68.3	66.5	62.2	59.0	50.6	44.4	39.0	34.3	29.8	
73.9	73.3	72.6	71.2	70.2	68.5	66.9	62.9	58.6	51.5	44.4	39.4	34.6	30.1	
73.7	73.1	72.5	71.5	70.3	68.7	67.2	63.2	59.7	52.2	45.3	39.7	34.3	30.3	
73.9	73.3	72.5	71.9	70.5	69.1	67.6	63.9	60.1	52.5	45.7	40.2	35.0	30.7	
73.7	73.1	72.2	71.3	70.1	68.5	66.9	63.1	58.8	51.6	45.0	39.7	34.6	30.6	
71.3	71.9	69.3	67.2	64.2	61.0	57.1	49.8	42.4	34.4	30.2	27.8	25.1	23.1	

ge Piezometer Readings, Prototype Feet of Water

T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T=600 LC=24.5	T=660 LC=21.6	T=720 LC=19.4	T=780 LC=17.7	T=840 LC=16.5	T=900 LC=16.0
45.5	36.5	33.4	29.8	27.1	24.4	22.3	20.8	19.4	18.1	17	16.6	16
45.2	37	33	29.5	27	24.8	22.3	20.7	19.5	17.6	17.4	16.6	16
45.3	36.5	33.5	29.7	27.4	25.1	23	21.1	19.4	17.9	17.1	16.2	16
46.0	37.5	33.5	30.4	27.6	25.2	22.8	20.9	19.1	17.9	17.0	16.3	16.0
47.0	37.6	33.6	30.4	27.6	25.1	22.9	21.1	19.3	18.1	16.8	16.2	16.0
46.0	37.7	33.7	30.2	27.3	24.5	22.7	20.5	19.0	17.9	17.0	16.1	16.0
46.4	37.9	33.0	30.7	27.2	24.8	22.6	20.4	19.2	17.9	16.7	16.4	16.0
48.4	40.2	35.7	32.5	29.0	26.0	23.3	21.2	19.7	18.5	17.1	16.5	16.0
47.0	37.4	34.0	30.6	27.6	24.9	22.7	20.8	19.1	18.0	17.0	16.4	16.0
44.8	36.4	32.8	29.6	27.4	24.7	22.7	21.0	19.5	18.1	17.2	16.6	16.0
49.0	41.2	36.3	32.3	29.5	25.8	23.3	21.4	19.2	18.2	16.9	16.1	16.0
54.1	44.3	37.9	33.4	29.6	26.9	24.0	21.8	19.9	18.5	17.1	16.5	16.0
39.9	32.3	28.3	27.3	25.9	21.8	19.8	19.5	19.0	17.9	16.8	16.3	16.0
42.3	33.5	29.7	28.0	25.5	23.6	21.7	20.0	18.6	17.9	16.9	16.3	16.0
48.1	39.3	34.0	31.5	28.4	25.6	22.8	20.9	19.0	17.9	16.9	16.3	16.0
52.4	41.9	36.6	32.7	28.5	26.3	23.4	20.7	19.3	17.6	16.7	16.1	16.0
39.0	29.6	26.1	24.9	23.3	21.7	19.9	19.0	18.1	17.3	16.7	16.4	16.0
45.0	36.0	31.4	29.2	26.3	23.9	22.0	20.2	18.8	17.9	16.7	16.3	16.0
44.1	35.9	32.6	29.6	27.2	24.2	22.9	20.5	19.3	17.8	16.9	16.4	16.0
55.0	46.1	40.4	36.1	32.0	28.5	25.2	23.0	20.6	18.8	17.4	16.7	16.0
51.1	42.8	38.0	33.8	29.9	26.8	24.2	21.9	19.8	18.3	17.2	16.5	16.0
54.1	46.0	40.4	36.2	31.9	28.4	24.8	22.4	20.1	18.5	17.4	16.6	16.0
59.0	49.2	42.7	40.5	33.3	29.0	25.3	21.6	18.4	17.4	17.0	16.0	16.0
57.7	48.3	43.0	37.5	33.4	29.3	25.8	23.0	20.5	18.6	17.3	16.4	16.0
56.9	50.2	43.6	38.2	33.7	29.2	25.7	22.9	20.3	18.3	17.1	16.4	16.0
59.0	50.6	44.4	39.0	34.3	29.8	26.0	22.9	21.0	18.4	17.3	16.5	16.0
58.6	51.5	44.4	39.4	34.6	30.1	26.3	23.3	20.4	18.6	17.4	16.3	16.0
59.7	52.2	45.3	39.7	34.3	30.3	26.2	23.4	20.9	18.9	17.2	16.4	16.0
60.1	52.5	45.7	40.2	35.0	30.7	26.6	23.5	20.7	18.9	17.2	16.3	16.0
58.8	51.6	45.0	39.7	34.6	30.6	26.3	23.6	20.8	18.9	17.4	16.5	16.0
42.4	34.4	30.2	27.8	25.1	23.1	21.3	19.5	18.2	17.2	16.2	16.1	16.0

Table A31 (Continued)

Piezometer Location										
No.	Station	Ele-vation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6
133	26+22.5	-24.25	74.0	74.2	71.5	71.6	68.8	66.3	62.7	58.2
134	26+70.0	-17.0	74.0	74.1	70.7	71.2	68.4	66.0	62.4	59.1
134A	26+70.0	-17.0	74.0	73.7	71.2	71.8	68.7	66.7	63.4	59.7
135	27+85.0	-17.0	74.0	72.9	70.7	71.7	68.9	66.8	63.9	60.5
135A	27+85.0	-17.0	74.0	74.0	70.6	72.1	68.8	66.5	63.0	59.1
136	28+60.0	-18.0	74.0	72.4	69.5	71.0	67.2	64.9	61.2	56.9
136A	28+60.0	-18.0	74.0	73.5	69.4	71.4	67.1	65.0	61.0	57.0
137	28+72.0	-18.0	74.0	73.0	69.9	71.2	67.2	65.4	61.7	57.7
137A	28+72.0	-18.0	74.0	73.6	69.5	71.6	67.1	65.2	61.0	56.8
138	29+21.3	-18.0	16.0	15.9	15.9	16.2	15.8	15.9	16.0	15.8
138A	29+21.3	-18.0	16.0	17.3	12.3	9.6	6.2	3.8	1.9	0.6
139	29+28.3	-18.9	16.0	17.5	10.6	9.7	6.6	3.7	2.7	0.5
140	29+37.3	-20.0	16.0	17.2	13.6	10.1	8.7	6.4	4.6	3.8
141	29+70.0	-20.0	16.0	17.3	16.3	16.3	16.2	17.7	15.9	14.0
141A	29+70.0	-20.0	16.0	17.2	16.7	15.7	14.9	13.2	13.8	14.1
142	30+10.0	-20.0	16.0	16.8	16.7	17.4	17.5	18.1	18.6	19.3
143	30+57.9	-27.0	16.0	16.6	16.5	16.5	16.3	16.3	16.2	16.2
144	30+66.4	-27.0	16.0	16.2	16.6	16.9	17.3	18.4	19.3	20.7
145	30+14.4	-27.0	16.0	16.2	16.3	16.7	16.9	17.2	17.3	18.0
146	30+22.9	-27.0	16.0	16.1	16.2	16.2	16.4	16.5	16.8	17.8
147	30+23.9	-34.0	16.0	16.4	16.5	16.9	16.8	17.6	17.5	17.9
148	30+23.9	-34.0	16.0	16.3	16.5	16.8	17.1	17.1	17.7	17.9
149	30+23.9	-34.0	16.0	16.0	16.3	16.7	17.1	17.8	18.2	18.9
150	30+23.9	-34.0	16.0	16.1	16.2	16.8	16.9	17.4	18.0	18.7
151	30+23.9	-34.0	16.0	16.1	16.3	16.6	17.0	18.0	18.6	19.3
152	30+67.4	-34.0	16.0	16.3	16.5	16.6	16.6	17.3	17.6	18.2
153	30+67.4	-34.0	16.0	16.2	16.3	16.7	17.0	17.4	17.4	17.7
154	30+67.4	-34.0	16.0	16.1	16.3	16.8	17.0	17.5	18.0	18.8
155	30+67.4	-34.0	16.0	15.7	15.8	16.3	16.1	16.5	17.0	17.5
156	30+67.4	-34.0	16.0	15.9	16.6	16.5	17.0	17.8	18.5	19.1
157	30+16.8	-29.5	16.0	16.0	16.1	16.0	15.7	16.0	15.7	14.9

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T=120 LC=69.5	T=150 LC=66.6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4
71.6	68.8	66.3	62.7	58.2	53.9	45.0	36.0	27.1	24.3	23.2	22.1	20.4	19.3
71.2	68.4	66.0	62.4	59.1	55.4	46.6	38.9	30.2	27.1	25.1	23.4	21.9	20.1
71.8	68.7	66.7	63.4	59.7	55.6	47.0	38.8	30.5	27.4	25.3	23.5	21.8	20.1
71.7	68.9	66.8	63.9	60.5	57.1	50.0	43.1	31.6	27.0	24.7	22.8	21.4	19.9
72.1	68.8	66.5	63.0	59.1	54.9	46.0	37.7	29.0	26.0	24.5	22.8	21.0	19.9
71.0	67.2	64.9	61.2	56.9	53.0	44.0	35.7	26.7	24.4	23.0	21.6	20.5	19.2
71.4	67.1	65.0	61.0	57.0	52.7	43.6	35.1	26.0	23.7	22.5	21.2	20.1	19.2
71.2	67.2	65.4	61.7	57.7	53.6	44.5	36.5	27.3	25.0	23.4	21.9	20.7	19.4
71.6	67.1	65.2	61.0	56.8	52.7	42.7	34.4	25.5	23.4	21.6	20.8	19.7	18.7
16.2	15.8	15.9	16.0	15.8	15.9	15.6	15.4	16.1	15.5	15.7	15.4	15.6	15.6
9.6	6.2	3.8	1.9	0.6	0.7	1.7	6.8	24.2	22.5	21.5	20.7	19.4	18.7
9.7	6.6	3.7	2.7	0.5	0.5	3.7	9.2	24.7	23.7	22.4	21.2	19.7	19.1
10.1	8.7	6.4	4.6	3.8	3.9	7.8	16.7	22.4	21.5	20.5	20.0	18.9	18.5
16.3	16.2	17.7	15.9	14.0	15.4	18.3	20.6	23.4	22.2	21.3	20.2	19.1	18.5
15.7	14.9	13.2	13.8	14.1	14.4	18.8	22.2	23.2	22.0	20.9	20.0	19.1	18.4
17.4	17.5	18.1	18.6	19.3	20.2	21.3	22.6	22.6	21.8	20.6	19.7	18.8	18.4
16.5	16.3	16.3	16.2	16.2	15.9	15.0	14.6	14.0	14.2	14.5	15.3	15.2	15.4
16.9	17.3	18.4	19.3	20.7	21.7	23.7	25.7	26.3	24.6	23.2	21.8	20.4	19.4
16.7	16.9	17.2	17.3	18.0	18.0	18.8	18.3	18.5	18.0	17.6	17.6	17.0	17.0
16.2	16.4	16.5	16.8	17.8	18.7	20.2	21.4	22.3	21.8	21.5	20.9	20.5	19.6
16.9	16.8	17.6	17.5	17.9	18.6	20.1	20.0	20.9	20.0	19.4	19.2	18.6	17.8
16.8	17.1	17.1	17.7	17.9	18.6	20.1	20.2	21.4	20.3	19.8	19.0	18.4	17.8
16.7	17.1	17.8	18.2	18.9	19.7	21.1	22.0	22.4	21.4	20.7	19.7	18.8	18.0
16.8	16.9	17.4	18.0	18.7	19.0	20.6	20.9	21.2	20.4	19.8	19.1	18.5	17.7
16.6	17.0	18.0	18.6	19.3	20.6	22.4	22.6	23.3	21.9	20.6	19.9	19.2	18.2
16.6	16.6	17.3	17.6	18.2	18.4	19.2	19.4	19.6	19.4	18.8	18.3	17.9	17.7
16.7	17.0	17.4	17.4	17.7	18.1	18.8	19.8	19.8	19.0	18.5	18.0	17.6	17.4
16.8	17.0	17.5	18.0	18.8	19.3	20.3	21.1	21.4	20.3	19.6	19.0	18.2	17.7
16.3	16.1	16.5	17.0	17.5	17.9	19.9	21.6	22.3	21.6	20.7	19.9	19.1	18.8
16.5	17.0	17.8	18.5	19.1	20.0	21.4	23.0	23.2	22.2	21.1	20.3	19.0	18.3
16.0	15.7	16.0	15.7	14.9	14.7	14.3	11.9	9.6	9.2	12.1	12.3	13.0	14.1

e Piezometer Readings, Prototype Feet of Water

T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T=600 LC=24.5	T=660 LC=21.6	T=720 LC=19.4	T=780 LC=17.7	T=840 LC=16.5	T=900 LC=16.0
36.0	27.1	24.3	23.2	22.1	20.4	19.3	18.3	17.8	16.8	16.5	16.1	16.0
38.9	30.2	27.1	25.1	23.4	21.9	20.1	19.0	17.9	17.5	16.4	16.2	16.0
38.8	30.5	27.4	25.3	23.5	21.8	20.1	19.0	17.9	17.3	16.8	16.3	16.0
43.1	31.6	27.0	24.7	22.8	21.4	19.9	18.8	17.9	17.2	16.6	16.0	16.0
37.7	29.0	26.0	24.5	22.8	21.0	19.9	18.7	17.9	17.3	16.6	16.3	16.0
35.7	26.7	24.4	23.0	21.6	20.5	19.2	18.4	17.9	17.3	16.5	16.1	16.0
35.1	26.0	23.7	22.5	21.2	20.1	19.2	18.1	17.6	16.8	16.5	16.3	16.0
36.5	27.3	25.0	23.4	21.9	20.7	19.4	18.5	17.6	17.3	16.5	16.3	16.0
34.4	25.5	23.4	21.6	20.8	19.7	18.7	18.0	17.3	16.7	16.2	16.3	16.0
15.4	16.1	15.5	15.7	15.4	15.6	15.6	15.4	15.7	15.4	15.8	15.9	16.0
6.8	24.2	22.5	21.5	20.7	19.4	18.7	17.8	17.4	16.8	16.6	16.1	16.0
9.2	24.7	23.7	22.4	21.2	19.7	19.1	18.1	17.7	16.9	16.9	16.3	16.0
16.7	22.4	21.5	20.5	20.0	18.9	18.5	17.8	17.0	16.7	16.3	16.0	16.0
20.6	23.4	22.2	21.3	20.2	19.1	18.5	17.9	17.3	16.8	16.7	16.2	16.0
22.2	23.2	22.0	20.9	20.0	19.1	18.4	18.1	17.3	16.7	16.5	16.4	16.0
22.6	22.6	21.8	20.6	19.7	18.8	18.4	17.9	17.1	16.6	16.2	16.2	16.0
14.6	14.0	14.2	14.5	15.3	15.2	15.4	15.8	15.7	15.9	16.1	15.9	16.0
25.7	26.3	24.6	23.2	21.8	20.4	19.4	18.5	17.7	17.2	16.7	16.4	16.0
18.3	18.5	18.0	17.6	17.6	17.0	17.0	16.5	16.3	16.2	15.8	15.9	16.0
21.4	22.3	21.8	21.5	20.9	20.5	19.6	19.1	18.6	17.7	17.2	16.6	16.0
20.0	20.9	20.0	19.4	19.2	18.6	17.8	17.4	17.0	16.4	16.3	16.1	16.0
20.2	21.4	20.3	19.8	19.0	18.4	17.8	17.0	16.9	16.5	16.0	15.9	16.0
22.0	22.4	21.4	20.7	19.7	18.8	18.0	17.5	16.8	16.5	16.2	16.1	16.0
20.9	21.2	20.4	19.8	19.1	18.5	17.7	17.6	17.2	16.8	16.4	16.4	16.0
22.6	23.3	21.9	20.6	19.9	19.2	18.2	17.6	17.1	16.6	16.2	15.8	16.0
19.4	19.6	19.4	18.8	18.3	17.9	17.7	17.0	16.6	16.1	16.3	16.2	16.0
19.8	19.8	19.0	18.5	18.0	17.6	17.4	17.3	16.8	16.6	16.3	16.3	16.0
21.1	21.4	20.3	19.6	19.0	18.2	17.7	17.2	17.0	16.7	16.2	16.0	16.0
21.6	22.3	21.6	20.7	19.9	19.1	18.8	17.9	18.1	17.3	16.8	16.6	16.0
23.0	23.2	22.2	21.1	20.3	19.0	18.3	17.8	17.3	16.7	16.5	16.1	16.0
11.9	9.6	9.2	12.1	12.3	13.0	14.1	14.8	15.4	15.7	16.2	16.1	16.0

Table A31 (Concluded)

Piezometer Location											
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=73.9	T=45 LC=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	[illegible]
158	30+31.0	-29.5	16.0	16.2	16.0	15.9	16.0	15.6	15.1	14.6	14.2
159	30+60.3	-29.5	16.0	15.9	15.9	15.9	15.7	15.5	15.2	14.8	14.0
160	30+74.5	-29.5	16.0	16.3	16.3	16.3	16.1	16.2	15.7	15.0	14.9
161	22+57.6	-24.0	74.0	73.9	71.9	72.1	69.7	68.0	65.3	62.3	58.8
162	22+57.6	-26.4	74.0	73.5	71.8	71.9	69.7	67.9	65.1	62.1	58.5
163	22+60.6	-24.0	74.0	73.9	71.6	71.9	69.7	68.2	65.4	62.3	58.9
164	22+60.6	-26.4	74.0	73.8	71.8	72.1	69.6	67.8	65.0	62.2	58.6
165	29+25.8	-32.3	16.0	17.3	7.7	5.7	1.0	-4.4	-7.1	-8.9	-10.8
166	29+28.8	-33.0	16.0	17.1	14.0	10.9	10.3	7.6	6.3	5.4	5.5
167	29+31.8	-33.7	16.0	17.4	13.8	10.2	8.9	6.5	4.7	4.2	3.8

Average Piezometer Readings, Prototype Feet of Water

=45 C=73.7	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.6	T=120 LC=69.5	T=150 LC=66.6	T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	
5.9	16.0	15.6	15.1	14.6	14.2	12.7	11.6	12.3	13.7	14.3	14.6	15.1	15.4	15
5.9	15.7	15.5	15.2	14.8	14.0	12.6	11.4	9.5	10.8	12.5	13.2	14.3	14.8	15
6.3	16.1	16.2	15.7	15.0	14.9	13.8	13.3	13.9	14.4	14.9	15.3	15.5	15.7	15
2.1	69.7	68.0	65.3	62.3	58.8	51.9	45.6	37.1	33.2	29.8	27.2	24.5	22.4	20
1.9	69.7	67.9	65.1	62.1	58.5	52.0	45.5	37.1	33.1	29.6	26.8	24.6	21.5	20
1.9	69.7	68.2	65.4	62.3	58.9	51.7	45.6	37.1	33.3	30.3	27.0	25.0	22.3	20
2.1	69.6	67.8	65.0	62.2	58.6	51.7	45.6	37.1	32.9	29.9	27.4	24.6	22.0	20
.7	1.0	-4.4	-7.1	-8.9	-10.8	-5.1	4.4	20.3	19.9	19.3	18.9	17.8	17.7	17
0.9	10.3	7.6	6.3	5.4	5.5	9.1	18.0	23.9	23.1	21.9	19.8	18.1	18.3	17
0.2	8.9	6.5	4.7	4.2	3.8	7.9	16.7	22.5	21.5	20.4	20.3	19.5	18.5	18

Piezometer Readings, Prototype Feet of Water

T=180 LC=63.4	T=240 LC=56.2	T=300 LC=49.4	T=360 LC=43.0	T=420 LC=37.5	T=480 LC=32.5	T=540 LC=28.4	T=600 LC=24.5	T=660 LC=21.6	T=720 LC=19.4	T=780 LC=17.7	T=840 LC=16.5	T=900 LC=16.0
11.6	12.3	13.7	14.3	14.6	15.1	15.4	15.6	15.9	16.0	15.8 -	16.1	16.0
11.4	9.5	10.8	12.5	13.2	14.3	14.8	15.3	15.7	15.7	15.8	15.9	16.0
13.3	13.9	14.4	14.9	15.3	15.5	15.7	15.8	15.7	16.0	16.0	16.1	16.0
45.6	37.1	33.2	29.8	27.2	24.5	22.4	20.8	19.4	17.9	17.3	16.5	16.0
45.5	37.1	33.1	29.6	26.8	24.6	21.5	20.4	18.9	17.7	16.9	16.5	16.0
45.6	37.1	33.3	30.3	27.0	25.0	22.3	20.3	19.4	17.7	17.3	16.3	16.0
45.6	37.1	32.9	29.9	27.4	24.6	22.0	20.6	19.4	17.9	17.2	16.3	16.0
4.4	20.3	19.9	19.3	18.9	17.8	17.7	17.0	16.8	16.5	16.4 —	16.1	16.0
18.0	23.9	23.1	21.9	19.8	18.1	18.3	17.4	17.0	16.4	16.0	16.1	16.0
16.7	22.5	21.5	20.4	20.3	19.5	18.5	18.0	17.2	16.8	16.3	16.3	16.0

Table A32
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Upper Pool

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.7	T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7
15	22+52.1	-17.0	74.0	68.9	65.1	58.3	52.6	50.4	49.4	48.7	47.3	46.3
15A	22+52.1	-17.0	74.0	72.7	70.9	68.5	65.0	64.5	62.8	62.2	61.0	59.0
16	21+53.5	-17.0	74.0	70.9	66.8	60.5	54.9	53.0	52.0	50.9	50.6	50.2
17	22+59.1	-16.9	74.0	68.9	65.3	58.4	52.1	50.0	48.9	48.2	47.5	46.6
18	22+62.6	-16.8	74.0	68.9	65.0	58.3	51.9	50.1	48.7	48.2	47.3	46.3
19	22+69.1	-16.6	74.0	72.8	71.6	62.1	54.2	52.5	52.2	51.7	49.6	48.5
20	22+76.6	-16.5	74.0	71.9	69.6	65.1	60.6	51.3	51.1	51.1	48.8	48.0
21	22+90.6	-16.5	74.0	68.4	64.8	57.1	51.1	49.2	48.8	48.8	47.0	45.9
21A	22+90.6	-16.5	74.0	72.6	70.5	69.0	65.3	64.4	62.9	62.0	61.2	59.0
22	23+50.0	-16.5	74.0	65.9	62.4	55.8	49.6	48.3	47.6	46.0	45.2	44.5
23	24+50.0	-16.5	74.0	73.5	72.9	72.1	71.8	71.1	70.3	70.1	69.6	68.9
24	25+50.0	-16.5	74.0	73.9	73.8	73.1	58.3	54.1	55.8	54.2	54.8	52.3
24A	25+50.0	-16.5	74.0	73.0	71.0	68.6	65.4	64.5	63.1	62.0	60.7	58.6
25	26+04.3	-24.25	74.0	72.6	71.2	57.2	52.5	50.0	50.7	50.6	47.9	45.1
26	25+95.9	-24.25	74.0	69.6	65.1	56.8	49.5	46.4	46.2	45.2	45.2	44.3
27	26+09.2	-17.0	74.0	73.6	72.4	66.4	48.4	46.4	44.6	43.2	42.6	42.3
27A	26+09.2	-17.0	74.0	72.6	70.9	69.1	65.5	64.7	63.2	62.0	61.0	59.1
28	26+01.3	-20.1	74.0	71.5	66.4	61.8	49.8	45.8	42.8	40.1	37.6	32.8
29	26+12.4	-20.1	74.0	70.0	65.8	58.1	50.6	48.6	47.4	46.6	46.6	44.3
30	25+96.0	-20.1	74.0	73.6	73.6	57.1	36.1	32.5	32.6	31.6	31.5	31.4
31	26+04.5	-20.1	74.0	71.9	67.5	61.3	52.2	48.7	46.8	47.0	46.0	44.8
32	25+88.1	-20.1	74.0	70.8	62.4	48.6	35.9	32.7	32.2	30.7	30.9	30.3
33	25+92.6	-20.1	74.0	73.3	71.5	61.9	52.0	49.3	48.1	47.2	45.5	45.7
34	26+01.3	-28.4	74.0	72.5	70.8	68.3	65.2	64.4	63.0	62.8	61.5	59.1
35	26+12.4	-28.4	74.0	72.9	71.5	69.9	66.8	66.0	64.0	62.9	61.8	60.0
36	25+96.0	-28.4	74.0	73.3	71.9	70.3	67.9	66.4	64.6	63.4	62.4	60.6
37	26+04.1	-28.4	74.0	72.7	71.1	69.5	66.1	65.8	63.6	62.3	61.3	59.4
38	25+88.1	-28.4	74.0	72.2	70.7	69.1	66.4	66.0	63.6	62.8	61.2	60.0
39	25+92.6	-28.4	74.0	73.7	73.5	72.6	71.6	71.0	70.4	69.7	69.1	67.9
40	25+75.0	-24.1	74.0	73.3	71.6	70.0	67.5	65.2	63.2	61.9	60.5	58.0
42	25+70.0	-24.0	74.0	73.3	71.6	69.6	64.7	62.2	61.2	60.3	59.5	57.3

ptying Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 1 Min (Co tant Speed Gate), S

Average Piezometer Readings, Prototype Feet of Water

=60 C=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=180 LC=62.7	T=240 LC=58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=72 LC=31.
2.6	50.4	49.4	48.7	47.3	46.3	45.6	43.6	40.6	38.5	36.0	33.7	31.2	29.3	27.8	26.2
5.0	64.5	62.8	62.2	61.0	59.0	56.7	53.3	49.7	46.5	43.3	40.2	37.1	34.6	32.2	29.5
4.9	53.0	52.0	50.9	50.6	50.2	48.7	46.4	43.1	39.9	38.0	35.5	33.6	30.9	29.2	28.0
2.1	50.0	48.9	48.2	47.5	46.6	45.5	44.0	40.6	37.7	35.9	32.9	31.4	29.3	27.6	26.4
1.9	50.1	48.7	48.2	47.3	46.3	45.2	43.8	40.5	37.6	35.6	32.9	31.2	29.0	27.3	26.1
3.2	52.5	52.2	51.7	49.6	48.5	47.0	43.7	41.4	38.2	36.7	34.2	31.5	29.8	28.2	26.3
0.6	51.3	51.1	51.1	48.8	48.0	46.4	43.0	40.9	37.9	36.4	33.8	31.3	30.0	28.3	26.3
1.1	49.2	48.8	48.8	47.0	45.9	44.8	41.1	39.6	36.7	35.2	33.1	30.9	29.3	27.8	25.7
5.3	64.4	62.9	62.0	61.2	59.0	57.1	53.6	50.0	46.6	43.0	40.2	37.4	34.5	32.4	29.9
9.6	48.3	47.6	46.0	45.2	44.5	43.6	41.8	38.6	37.1	35.2	32.6	30.2	28.7	27.0	25.6
1.8	71.1	70.3	70.1	69.6	68.9	67.8	66.2	64.5	63.1	61.5	59.8	57.8	56.6	54.6	52.9
3.3	54.1	55.8	54.2	54.8	52.3	50.6	46.8	44.6	41.6	38.7	36.2	33.6	31.9	29.5	27.5
5.4	64.5	63.1	62.0	60.7	58.6	56.8	53.1	49.3	46.1	42.9	40.0	37.0	34.5	31.6	29.4
2.5	50.0	50.7	50.6	47.9	45.1	44.6	40.8	40.8	39.3	36.2	34.5	32.5	30.5	28.5	27.0
9.5	46.4	46.2	45.2	45.2	44.3	42.7	40.0	37.9	35.7	33.9	32.0	29.7	28.4	26.6	25.0
8.4	46.4	44.6	43.2	42.6	42.3	41.9	39.6	37.7	36.5	33.8	32.1	31.0	29.3	28.2	26.8
5.5	64.7	63.2	62.0	61.0	59.1	57.1	53.4	50.3	46.6	43.2	40.5	37.4	34.9	32.3	30.2
9.8	45.8	42.8	40.1	37.6	32.8	31.0	30.2	28.5	27.4	26.9	25.6	24.6	23.5	22.6	22.0
0.6	48.6	47.4	46.6	46.6	44.3	43.4	41.1	38.3	36.3	34.4	32.7	30.7	28.9	27.2	25.9
6.1	32.5	32.6	31.6	31.5	31.4	30.6	28.7	28.7	27.0	26.0	24.9	24.0	23.3	22.4	21.9
2.2	48.7	46.8	47.0	46.0	44.8	43.0	40.9	38.4	36.0	34.3	32.0	30.1	28.8	27.3	25.5
5.9	32.7	32.2	30.7	30.9	30.3	29.5	28.8	28.4	26.8	25.1	24.4	23.3	22.6	21.5	21.6
2.0	49.3	48.1	47.2	45.5	45.7	44.5	41.2	39.4	36.4	34.8	32.8	30.6	28.7	26.8	25.6
5.2	64.4	63.0	62.8	61.5	59.1	56.8	53.2	49.8	46.4	43.2	40.4	37.7	34.8	32.3	30.0
5.8	66.0	64.0	62.9	61.8	60.0	58.2	54.4	50.8	47.5	44.1	41.0	38.2	35.6	32.9	30.6
7.9	66.4	64.6	63.4	62.4	60.6	58.2	54.8	51.1	47.6	44.2	41.0	38.3	35.6	32.9	30.6
6.1	65.8	63.6	62.3	61.3	59.4	57.5	54.1	50.3	46.9	43.8	40.7	38.1	35.1	32.4	30.3
6.4	66.0	63.6	62.8	61.2	60.0	58.4	54.7	51.4	47.5	44.3	41.1	38.4	35.5	32.8	30.7
1.6	71.0	70.4	69.7	69.1	67.9	67.5	65.6	63.8	49.4	48.0	46.9	45.3	43.8	42.6	41.0
7.5	65.2	63.2	61.9	60.5	58.0	55.9	52.0	48.5	44.9	42.1	39.4	36.6	34.2	31.9	29.8
4.7	62.2	61.2	60.3	59.5	57.3	55.6	52.2	48.8	45.6	42.6	39.9	37.1	34.6	32.3	29.7

Pool El 16.0, 58-Ft Lift, Valve Speed 1 Min (Constant Speed Gate), Single Valve Operation

Piezometer Readings, Prototype Feet of Water

0 8.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=720 LC=31.7	T=780 LC=29.4	T=840 LC=27.1	T=900 LC=24.9	T=1020 LC=21.9	T=1200 LC=17.6	T=1500 LC=16.0
	40.6	38.5	36.0	33.7	31.2	29.3	27.8	26.2	24.8	23.6	22.1	20.0	17.0	16.0
	49.7	46.5	43.3	40.2	37.1	34.6	32.2	29.5	27.7	25.8	23.9	20.9	17.1	16.0
	43.1	39.9	38.0	35.5	33.6	30.9	29.2	28.0	26.0	24.6	23.5	21.3	17.6	16.0
	40.6	37.7	35.9	32.9	31.4	29.3	27.6	26.4	24.9	24.0	22.2	20.1	17.3	16.0
	40.5	37.6	35.6	32.9	31.2	29.0	27.3	26.1	24.8	23.3	21.9	19.9	17.0	16.0
	41.4	38.2	36.7	34.2	31.5	29.8	28.2	26.3	24.8	23.4	22.2	19.7	16.7	16.0
	40.9	37.9	36.4	33.8	31.3	30.0	28.3	26.3	24.9	23.2	22.2	19.8	17.4	16.0
	39.6	36.7	35.2	33.1	30.9	29.3	27.8	25.7	24.5	22.9	21.9	19.5	16.9	16.0
	50.0	46.6	43.0	40.2	37.4	34.5	32.4	29.9	27.5	25.9	24.3	20.9	17.3	16.0
	38.6	37.1	35.2	32.6	30.2	28.7	27.0	25.6	24.5	23.1	21.6	19.7	17.2	16.0
	64.5	63.1	61.5	59.8	57.8	56.6	54.6	52.9	51.1	34.9	33.2	29.2	22.1	16.0
	44.6	41.6	38.7	36.2	33.6	31.9	29.5	27.5	25.6	24.1	22.7	20.2	17.2	16.0
	49.3	46.1	42.9	40.0	37.0	34.5	31.6	29.4	27.3	25.5	23.9	21.3	17.2	16.0
	40.8	39.3	36.2	34.5	32.5	30.5	28.5	27.0	25.1	24.5	23.4	22.0	18.7	16.0
	37.9	35.7	33.9	32.0	29.7	28.4	26.6	25.0	23.6	22.6	21.3	19.8	17.0	16.0
	37.7	36.5	33.8	32.1	31.0	29.3	28.2	26.8	25.5	24.4	23.1	21.4	18.0	16.0
	50.3	46.6	43.2	40.5	37.4	34.9	32.3	30.2	28.0	26.2	24.2	21.6	17.7	16.0
	28.5	27.4	26.9	25.6	24.6	23.5	22.6	22.0	21.2	20.3	19.4	18.4	16.6	16.0
	38.3	36.3	34.4	32.7	30.7	28.9	27.2	25.9	24.3	23.0	21.9	19.8	17.0	16.0
	28.7	27.0	26.0	24.9	24.0	23.3	22.4	21.9	20.9	20.2	19.7	18.4	16.8	16.0
	38.4	36.0	34.3	32.0	30.1	28.8	27.3	25.5	24.2	22.8	21.6	19.8	17.3	16.0
	28.4	26.8	25.1	24.4	23.3	22.6	21.5	21.6	20.8	19.7	19.3	18.4	16.7	16.0
	39.4	36.4	34.8	32.8	30.6	28.7	26.8	25.6	24.4	23.1	21.5	19.6	16.7	16.0
	49.8	46.4	43.2	40.4	37.7	34.8	32.3	30.0	27.5	25.7	23.9	20.9	17.3	16.0
	50.8	47.5	44.1	41.0	38.2	35.6	32.9	30.6	28.5	26.7	24.8	21.9	17.7	16.0
	51.1	47.6	44.2	41.0	38.3	35.6	32.9	30.6	28.4	26.5	24.6	21.8	17.7	16.0
	50.3	46.9	43.8	40.7	38.1	35.1	32.4	30.3	28.2	26.1	24.4	21.4	17.5	16.0
	51.4	47.5	44.3	41.1	38.4	35.5	32.8	30.7	28.4	26.3	24.6	21.5	17.5	16.0
	63.8	49.4	48.0	46.9	45.3	43.8	42.6	41.0	40.0	38.7	25.4	21.8	17.6	16.0
	48.5	44.9	42.1	39.4	36.6	34.2	31.9	29.8	28.0	26.2	24.3	21.4	17.8	16.0
	48.8	45.6	42.6	39.9	37.1	34.6	32.3	29.7	28.1	26.3	24.5	21.7	17.8	16.0

Table A32 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.7	T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64
43	25+70.0	-24.0	74.0	72.6	70.0	67.1	63.0	61.8	60.5	59.2	58.1	56.2
44	25+65.0	-23.1	74.0	72.2	69.4	65.5	60.6	59.1	57.4	56.8	55.7	54.2
45	25+65.0	-23.1	74.0	73.2	71.3	68.9	66.0	63.7	62.6	61.2	60.1	58.1
46	25+65.0	-23.1	74.0	72.4	70.3	67.2	63.6	62.2	60.3	59.6	58.5	56.8
47	25+60.0	-22.7	74.0	71.9	69.7	66.2	61.6	60.1	58.6	57.8	56.6	55.0
48	25+60.0	-22.7	74.0	72.3	69.8	66.3	61.4	60.1	59.3	58.4	57.4	55.3
49	25+60.0	-22.7	74.0	72.3	70.0	66.5	62.6	61.3	59.8	59.0	57.9	56.4
50	25+60.0	-22.7	74.0	73.3	72.5	71.1	69.5	68.9	68.4	67.8	67.2	66.8
51	25+50.0	-22.1	74.0	73.3	72.4	72.0	71.7	71.7	71.3	71.3	71.1	67.0
52	25+50.0	-22.1	74.0	72.3	70.2	67.0	63.0	61.4	60.1	59.5	58.0	56.6
53	25+50.0	-22.1	74.0	72.3	70.1	66.9	62.6	61.4	60.0	59.1	57.9	56.4
54	25+50.0	-22.1	74.0	72.5	70.2	67.4	63.0	61.8	60.2	59.3	58.3	56.4
55	25+40.0	-21.5	74.0	73.4	70.7	67.6	63.0	61.1	60.2	59.0	58.1	56.6
56	25+40.0	-21.5	74.0	73.3	71.9	70.1	67.3	66.3	65.4	63.9	62.9	60.8
57	25+40.0	-21.5	74.0	72.7	70.3	67.5	63.6	61.9	60.9	60.0	58.5	56.9
58	25+40.0	-21.5	74.0	73.6	71.9	69.2	66.1	63.4	61.5	60.3	59.4	57.2
59	25+30.0	-20.9	74.0	72.9	71.0	68.6	65.3	63.4	62.4	61.4	60.2	58.6
60	25+30.0	-20.9	74.0	73.2	70.7	67.7	64.1	62.7	60.8	59.8	58.9	57.0
61	25+30.0	-20.9	74.0	73.9	72.2	69.7	66.6	64.2	62.2	60.9	59.9	57.8
62	25+30.0	-20.9	74.0	72.9	71.1	68.4	64.7	63.1	61.4	60.4	59.8	57.7
63	25+25.0	-20.9	74.0	73.0	70.6	67.9	64.7	63.5	61.4	60.5	59.5	57.9
64	25+25.0	-20.6	74.0	73.8	72.3	70.1	67.4	65.8	63.7	62.8	62.3	60.3
65	25+25.0	-20.6	74.0	73.2	69.5	65.3	59.2	56.6	54.8	53.8	53.0	51.9
66	25+25.0	-20.6	74.0	73.5	72.8	71.2	69.7	68.5	66.9	66.4	65.2	63.4
68	25+23.0	-20.6	74.0	73.9	73.4	72.7	71.6	70.4	69.4	67.9	67.0	64.5
69	25+23.0	-20.6	74.0	72.6	69.4	65.7	60.8	59.1	57.7	56.6	55.6	53.4
70	25+23.0	-20.6	74.0	73.1	70.6	67.9	64.5	62.3	61.2	60.3	58.9	57.5
71	25+10.2	-24.25	74.0	73.9	72.4	71.4	69.3	68.3	68.0	67.3	66.7	65.5
71A	25+10.2	-24.25	74.0	73.2	71.0	68.4	64.9	63.1	62.1	61.1	60.1	57.8
72	25+00.2	-24.25	74.0	73.4	71.9	69.7	67.3	65.9	64.6	63.4	62.7	60.8
73	24+90.2	-24.25	74.0	73.7	72.2	70.1	68.0	66.6	64.9	64.0	63.0	60.8
74	24+80.2	-24.25	74.0	73.6	72.5	71.1	69.6	68.0	67.2	66.0	64.3	62.4

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=180 LC=62.7	T=240 LC=58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	
67.1	63.0	61.8	60.5	59.2	58.1	56.2	54.9	51.0	47.7	44.4	42.0	38.9	36.6	33.6	31.7
65.5	60.6	59.1	57.4	56.8	55.7	54.2	52.4	49.5	46.4	43.3	40.5	38.0	35.4	33.0	30.9
68.9	66.0	63.7	62.6	61.2	60.1	58.1	55.5	51.9	47.5	44.1	40.5	37.4	34.2	32.0	29.2
67.2	63.6	62.2	60.3	59.6	58.5	56.8	54.9	51.3	48.0	44.8	41.8	38.9	36.3	33.8	31.4
66.2	61.6	60.1	58.6	57.8	56.6	55.0	53.1	49.8	46.7	43.6	40.7	38.1	35.5	33.0	30.9
66.3	61.4	60.1	59.3	58.4	57.4	55.3	54.0	50.1	47.3	43.8	39.0	37.9	35.5	32.1	29.6
66.5	62.6	61.3	59.8	59.0	57.9	56.4	54.6	51.1	47.8	44.6	41.5	39.1	36.3	34.0	31.7
71.1	69.5	68.9	68.4	67.8	67.2	66.8	56.6	52.5	49.1	45.5	42.5	39.6	37.0	34.3	32.1
72.0	71.7	71.7	71.3	71.3	71.1	67.0	66.2	54.1	51.1	47.3	44.1	40.9	38.0	35.5	32.6
67.0	63.0	61.4	60.1	59.5	58.0	56.6	54.6	50.8	48.0	44.5	41.5	38.9	36.2	34.0	31.4
66.9	62.6	61.4	60.0	59.1	57.9	56.4	54.5	50.9	47.7	44.5	41.2	38.7	36.0	33.6	31.4
67.4	63.0	61.8	60.2	59.3	58.3	56.4	55.0	51.2	47.9	45.0	41.6	38.9	36.2	33.6	31.3
67.6	63.0	61.1	60.2	59.0	58.1	56.6	55.1	51.2	48.1	45.2	42.0	39.1	36.3	33.7	31.4
70.1	67.3	66.3	65.4	63.9	62.9	60.8	58.8	55.1	51.0	47.8	44.5	41.0	38.3	35.4	33.0
67.5	63.6	61.9	60.9	60.0	58.5	56.9	55.2	51.6	48.4	45.2	42.0	39.1	36.5	34.1	31.5
69.2	66.1	63.4	61.5	60.3	59.4	57.2	55.7	51.9	48.7	45.3	42.4	39.6	37.0	34.2	32.0
68.6	65.3	63.4	62.4	61.4	60.2	58.6	56.9	52.6	49.5	46.4	42.9	40.1	37.4	34.6	32.3
67.7	64.1	62.7	60.8	59.8	58.9	57.0	55.4	51.7	48.2	45.5	42.0	39.2	36.7	33.9	31.8
69.7	66.6	64.2	62.2	60.9	59.9	57.8	55.5	52.6	49.3	46.3	43.0	40.3	37.8	35.3	32.6
68.4	64.7	63.1	61.4	60.4	59.8	57.7	55.9	52.3	49.0	45.8	42.6	39.5	36.8	34.2	31.8
67.9	64.7	63.5	61.4	60.5	59.5	57.9	55.7	52.3	48.8	45.2	42.2	39.2	36.6	34.5	31.6
70.1	67.4	65.8	63.7	62.8	62.3	60.3	58.1	53.9	50.2	46.8	43.4	40.9	37.8	35.1	32.8
65.3	59.2	56.6	54.8	53.8	53.0	51.9	49.8	46.1	42.4	39.5	37.1	34.0	32.0	29.8	27.8
71.2	69.7	68.5	66.9	66.4	65.2	63.4	61.6	58.0	55.4	52.4	49.7	47.2	44.6	42.5	39.9
72.7	71.6	70.4	69.4	67.9	67.0	64.5	62.4	58.3	54.1	50.1	46.4	43.3	39.9	37.2	34.1
65.7	60.8	59.1	57.7	56.6	55.6	53.4	52.7	49.1	45.1	43.1	40.5	37.7	35.0	32.6	30.2
67.9	64.5	62.3	61.2	60.3	58.9	57.5	55.9	51.5	48.5	45.4	41.8	39.2	36.4	34.1	31.5
71.4	69.3	68.3	68.0	67.3	66.7	65.5	64.5	60.2	55.1	51.3	47.4	44.1	40.9	37.9	35.1
68.4	64.9	63.1	62.1	61.1	60.1	57.8	57.0	53.5	49.0	46.2	43.0	40.5	37.1	34.4	32.3
69.7	67.3	65.9	64.6	63.4	62.7	60.8	57.9	54.1	50.8	47.2	43.9	40.8	37.9	35.6	32.6
70.1	68.0	66.6	64.9	64.0	63.0	60.8	58.8	54.8	50.8	47.5	44.3	41.0	38.0	35.5	32.9
71.1	69.6	68.0	67.2	66.0	64.3	62.4	60.3	56.0	52.3	48.4	45.2	41.9	39.0	36.3	33.5

Piezometer Readings, Prototype Feet of Water

240 =58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=720 LC=31.7	T=780 LC=29.4	T=840 LC=27.1	T=900 LC=24.9	T=1020 LC=21.9	T=1260 LC=17.6	T=1500 LC=16.0
0	47.7	44.4	42.0	38.9	36.6	33.6	31.7	29.2	27.2	25.6	24.0	21.2	17.3	16.0
5	46.4	43.3	40.5	38.0	35.4	33.0	30.9	28.9	26.9	25.2	23.5	21.0	17.3	16.0
9	47.5	44.1	40.5	37.4	34.2	32.0	29.2	27.5	25.7	23.9	22.3	19.6	17.0	16.0
3	48.0	44.8	41.8	38.9	36.3	33.8	31.4	29.1	27.0	25.5	23.7	20.9	17.2	16.0
8	46.7	43.6	40.7	38.1	35.5	33.0	30.9	28.9	26.9	24.9	23.5	20.5	17.2	16.0
1	47.3	43.8	39.0	37.9	35.5	32.1	29.8	28.6	26.7	24.5	22.8	20.3	16.6	16.0
1	47.8	44.6	41.5	39.1	36.3	34.0	31.7	29.3	27.6	25.9	24.0	21.3	17.5	16.0
5	49.1	45.5	42.5	39.6	37.0	34.3	32.1	29.7	27.6	25.9	24.2	21.5	17.5	16.0
1	51.1	47.3	44.1	40.9	38.0	35.5	32.6	30.4	28.3	26.3	24.5	21.6	17.5	16.0
8	48.0	44.5	41.5	38.9	36.2	34.0	31.4	29.3	27.4	25.4	23.8	21.1	17.3	16.0
9	47.7	44.5	41.2	38.7	36.0	33.6	31.4	29.2	27.2	25.4	23.8	21.0	17.4	16.0
2	47.9	45.0	41.6	38.9	36.2	33.6	31.3	29.1	27.3	25.2	23.9	20.9	17.2	16.0
2	48.1	45.2	42.0	39.1	36.3	33.7	31.4	29.2	27.1	25.3	23.8	21.0	17.1	16.0
1	51.0	47.8	44.5	41.0	38.3	35.4	33.0	30.5	28.4	26.4	24.5	21.6	17.6	16.0
6	48.4	45.2	42.0	39.1	36.5	34.1	31.5	29.5	27.4	25.7	23.7	20.8	17.2	16.0
9	48.7	45.3	42.4	39.6	37.0	34.2	32.0	29.8	27.9	25.8	24.0	21.3	17.5	16.0
6	49.5	46.4	42.9	40.1	37.4	34.6	32.3	29.8	27.7	25.7	24.2	21.2	17.5	16.0
7	48.2	45.5	42.0	39.2	36.7	33.9	31.8	29.5	27.5	25.5	23.9	21.0	17.4	16.0
6	49.3	46.3	43.0	40.3	37.8	35.3	32.6	30.3	28.6	26.5	23.9	20.6	17.4	16.0
3	49.0	45.8	42.6	39.5	36.8	34.2	31.8	29.6	27.6	25.9	24.1	21.2	17.1	16.0
3	48.8	45.2	42.2	39.2	36.6	34.5	31.6	29.5	27.4	24.7	22.8	21.2	17.2	16.0
9	50.2	46.8	43.4	40.9	37.8	35.1	32.8	30.6	28.5	26.4	24.7	21.9	17.5	16.0
1	42.4	39.5	37.1	34.0	32.0	29.8	27.8	26.2	24.7	23.4	22.1	19.9	17.5	16.0
0	55.4	52.4	49.7	47.2	44.6	42.5	39.9	37.9	35.9	26.9	24.8	21.7	18.2	16.0
3	54.1	50.1	46.4	43.3	39.9	37.2	34.1	31.4	29.2	26.9	25.0	21.5	17.4	16.0
1	45.1	43.1	40.5	37.7	35.0	32.6	30.2	28.6	26.4	25.0	23.3	20.7	17.2	16.0
5	48.5	45.4	41.8	39.2	36.4	34.1	31.5	29.4	27.2	25.4	23.6	20.9	17.4	16.0
2	55.1	51.3	47.4	44.1	40.9	37.9	35.1	32.2	29.8	27.7	24.5	21.6	17.7	16.0
5	49.0	46.2	43.0	40.5	37.1	34.4	32.3	30.1	27.7	26.2	24.4	21.3	17.6	16.0
1	50.8	47.2	43.9	40.8	37.9	35.6	32.6	30.4	28.1	26.1	24.5	21.3	17.4	16.0
8	50.8	47.5	44.3	41.0	38.0	35.5	32.9	30.4	28.2	26.1	24.2	21.3	17.6	16.0
0	52.3	48.4	45.2	41.9	39.0	36.3	33.5	31.1	29.0	26.8	24.8	22.0	17.6	16.0

Table A32 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.7	T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=1 LC=
75	24+70.2	-24.25	74.0	73.8	72.7	71.3	69.2	67.9	66.5	65.2	64.2	62.2
76	24+60.2	-24.25	74.0	73.7	72.8	71.1	69.1	67.8	66.7	65.2	64.1	61.8
77	24+50.2	-24.25	74.0	73.9	72.9	71.4	69.6	68.4	66.9	65.6	64.6	62.4
78	24+40.2	-24.25	74.0	73.7	72.7	71.1	69.4	68.0	67.1	66.0	64.6	62.4
79	24+30.2	-24.25	74.0	73.9	73.2	71.4	70.0	68.5	67.3	65.8	65.3	62.8
79A	24+30.2	-24.25	74.0	74.0	73.1	71.5	69.3	68.4	67.0	65.7	64.6	62.8
80	26+17.0	-28.4	74.0	72.0	67.4	60.8	42.7	40.2	38.0	37.6	37.5	37.1
81	26+06.0	-28.4	74.0	70.5	66.5	59.9	53.3	52.2	50.2	49.5	49.0	47.3
82	26+22.4	-28.4	74.0	70.2	62.8	52.4	41.3	39.2	37.4	36.7	36.5	35.9
83	26+13.9	-28.4	74.0	72.4	70.2	67.2	61.1	56.6	55.0	53.7	53.3	51.3
84	26+30.3	-28.4	74.0	70.6	62.3	51.8	40.2	37.5	35.7	35.2	34.0	34.3
85	26+25.7	-28.4	74.0	71.5	67.6	63.0	57.5	56.4	55.0	53.8	53.5	51.6
86	26+17.0	-20.1	74.0	72.4	70.8	68.6	65.2	63.9	63.0	61.8	60.8	59.1
87	26+06.0	-20.1	74.0	72.3	70.5	68.4	65.5	64.3	63.4	62.2	61.1	59.0
88	26+22.4	-20.1	74.0	72.4	70.8	68.5	65.2	64.3	63.1	61.9	60.8	58.8
89	26+13.9	-20.1	74.0	72.7	71.1	68.5	65.2	63.8	62.5	61.2	60.4	58.2
90	26+30.3	-20.1	74.0	72.6	70.8	68.5	65.0	63.7	62.5	61.4	60.0	58.1
91	26+25.7	-20.1	74.0	72.6	70.6	68.1	65.0	63.3	62.6	61.3	60.2	58.0
92	26+43.3	-24.1	74.0	72.4	69.9	66.5	62.2	61.0	59.3	58.6	57.5	55.9
93	26+43.3	-24.1	74.0	72.5	70.5	67.8	61.6	60.1	58.7	57.4	56.0	54.5
94	26+48.3	-24.0	74.0	72.0	70.0	66.4	62.2	60.8	59.8	58.8	57.6	55.6
95	26+48.3	-24.0	74.0	72.0	69.4	66.5	62.2	61.3	60.0	59.0	58.0	56.1
96	26+53.3	-23.1	74.0	73.1	71.7	70.0	68.2	66.7	65.5	64.0	62.6	59.7
97	26+53.3	-23.1	74.0	72.6	69.6	65.9	61.4	60.3	58.8	58.2	57.0	54.9
98	26+53.3	-23.1	74.0	72.3	70.5	67.3	63.6	62.5	61.0	60.3	59.0	57.3
99	26+58.3	-22.7	74.0	72.3	69.9	66.7	62.5	61.4	59.7	59.2	58.0	56.3
100	26+58.3	-22.7	74	74	73.4	72.3	66.9	65	63.9	62.4	61.5	59.4
101	26+58.3	-22.7	74	72.2	69.6	66.8	62.4	61.2	60	59.1	58.1	56.7
102	26+58.3	-22.7	74	72.7	70.1	66.8	62.9	61.4	60.3	59	58.4	56.6
103	26+68.3	-22.1	74	72.7	70	67.5	63.2	62.3	61.5	60	59.6	57.7
104	26+68.3	-22.1	74	73.4	73.4	72.9	72.5	71.7	71	63.8	62.8	60
105	26+68.3	-22.1	74	72.7	70.5	66.8	63.1	61.8	61	59.4	58.4	57.3

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=180 LC=62.7	T=240 LC=58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T= L=
71.3	69.2	67.9	66.5	65.2	64.2	62.2	59.9	55.7	52.2	48.8	44.8	41.7	38.7	36.0	33.2
71.1	69.1	67.8	66.7	65.2	64.1	61.8	59.5	55.8	52.0	48.5	45.0	42.1	38.8	35.9	33.0
71.4	69.6	68.4	66.9	65.6	64.6	62.4	60.4	56.2	52.4	48.5	45.1	42.0	38.8	36.0	33.2
71.1	69.4	68.0	67.1	66.0	64.6	62.4	60.7	56.3	52.9	48.7	45.2	41.8	38.7	35.7	33.3
71.4	70.0	68.5	67.3	65.8	65.3	62.8	60.8	56.5	52.7	49.1	45.5	42.3	39.1	36.4	33.6
71.5	69.3	68.4	67.0	65.7	64.6	62.8	60.1	56.4	52.2	48.7	45.1	41.9	39.0	36.1	33.5
60.8	42.7	40.2	38.0	37.6	37.5	37.1	36.5	34.5	33.6	32.4	31.9	28.7	27.7	26.4	24.2
59.9	53.3	52.2	50.2	49.5	49.0	47.3	46.3	43.4	41.0	38.4	36.1	34.1	31.9	29.8	27.9
52.4	41.3	39.2	37.4	36.7	36.5	35.9	35.0	33.3	32.2	30.7	29.0	27.7	26.5	25.3	24.0
67.2	61.1	56.6	55.0	53.7	53.3	51.3	49.8	46.6	44.0	41.0	38.3	36.1	33.8	31.5	29.5
51.8	40.2	37.5	35.7	35.2	34.0	34.3	33.8	31.3	31.0	29.0	27.5	26.1	25.0	23.6	22.6
63.0	57.5	56.4	55.0	53.8	53.5	51.6	49.9	46.1	43.4	39.9	37.7	34.7	32.9	30.6	28.7
68.6	65.2	63.9	63.0	61.8	60.8	59.1	57.0	53.5	50.1	46.6	43.2	40.0	37.4	35.1	32.2
68.4	65.5	64.3	63.4	62.2	61.1	59.0	57.1	53.7	49.9	46.8	43.2	40.4	37.6	34.8	32.4
68.5	65.2	64.3	63.1	61.9	60.8	58.8	56.8	53.3	49.5	46.2	43.1	40.2	37.2	34.4	32.1
68.5	65.2	63.8	62.5	61.2	60.4	58.2	56.2	52.4	48.5	45.2	41.8	39.0	36.2	33.6	31.2
68.5	65.0	63.7	62.5	61.4	60.0	58.1	55.9	52.0	48.2	45.1	41.8	38.7	36.2	33.0	30.8
68.1	65.0	63.3	62.6	61.3	60.2	58.0	55.9	52.0	48.1	45.4	42.1	38.8	36.0	33.7	30.9
66.5	62.2	61.0	59.3	58.6	57.5	55.9	54.1	50.7	47.5	44.6	41.3	38.6	36.0	33.5	31.0
67.8	61.6	60.1	58.7	57.4	56.0	54.5	52.9	50.0	46.9	43.8	40.5	37.6	35.1	32.8	30.7
66.4	62.2	60.8	59.8	58.8	57.6	55.6	54.2	50.7	47.5	43.9	41.5	38.6	36.0	33.5	31.0
66.5	62.2	61.3	60.0	59.0	58.0	56.1	54.5	51.3	47.5	44.5	41.7	38.3	36.1	33.1	30.9
70.0	68.2	66.7	65.5	64.0	62.6	59.7	57.0	52.0	47.9	44.4	41.5	38.6	36.0	33.7	31.4
65.9	61.4	60.3	58.8	58.2	57.0	54.9	53.4	50.0	46.9	43.7	41.2	38.1	35.6	33.2	31.0
67.3	63.6	62.5	61.0	60.3	59.0	57.3	55.6	51.9	49.0	45.4	42.7	39.5	37.1	34.3	32.0
66.7	62.5	61.4	59.7	59.2	58.0	56.3	54.2	50.7	47.9	45.0	41.8	39.4	36.9	34.3	31.5
72.3	66.9	65	63.9	62.4	61.5	59.4	56.6	52.7	49.3	46.5	42.4	39.4	36.8	34.7	31.3
66.8	62.4	61.2	60	59.1	58.1	56.7	54.7	50.9	47.7	44.7	41.5	38.5	36.1	33.3	31.1
66.8	62.9	61.4	60.3	59	58.4	56.6	54.7	51.2	48.6	44.9	41.4	38.6	36.6	33.8	31.2
67.5	63.2	62.3	61.5	60	59.6	57.7	55.6	52.1	48.8	46	42.1	39.4	36.7	34.4	31.7
72.9	72.5	71.7	71	63.8	62.8	60	57.9	53.5	50.3	46.9	42.9	39.9	37.2	34.6	31.9
66.8	63.1	61.8	61	59.4	58.4	57.3	55.1	51.2	48.4	45.1	42.1	38.8	36.2	34	31.2

Piezometer Readings, Prototype Feet of Water

40 58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=720 LC=31.7	T=780 LC=29.4	T=840 LC=27.1	T=900 LC=24.9	T=1020 LC=21.9	T=1260 LC=17.6	T=1500 LC=16.0
	52.2	48.8	44.8	41.7	38.7	36.0	33.2	30.8	28.9	26.8	25.0	21.7	17.6	16.0
	52.0	48.5	45.0	42.1	38.8	35.9	33.0	30.6	28.4	26.4	24.4	21.5	17.4	16.0
	52.4	48.5	45.1	42.0	38.8	36.0	33.2	30.7	28.5	26.5	24.6	21.5	17.4	16.0
	52.9	48.7	45.2	41.8	38.7	35.7	33.3	30.8	28.7	26.4	24.6	21.5	17.4	16.0
	52.7	49.1	45.5	42.3	39.1	36.4	33.6	30.7	28.7	26.8	24.7	21.5	17.6	16.0
	52.2	48.7	45.1	41.9	39.0	36.1	33.5	31.0	28.9	26.7	25.0	21.8	17.3	16.0
	33.6	32.4	31.9	28.7	27.7	26.4	24.2	22.9	22.1	21.2	20.5	18.8	16.9	16.0
	41.0	38.4	36.1	34.1	31.9	29.8	27.9	26.3	25.0	23.4	22.1	20.0	17.1	16.0
	32.2	30.7	29.0	27.7	26.5	25.3	24.0	23.0	22.1	21.6	20.2	18.8	16.9	16.0
	44.0	41.0	38.3	36.1	33.8	31.5	29.5	28.0	26.0	24.7	23.4	20.7	17.5	16.0
	31.0	29.0	27.5	26.1	25.0	23.6	22.6	22.1	21.5	20.3	19.6	18.6	16.7	16.0
	43.4	39.9	37.7	34.7	32.9	30.6	28.7	26.6	25.5	23.6	22.1	20.0	16.9	16.0
	50.1	46.6	43.2	40.0	37.4	35.1	32.2	30.3	27.9	26.0	24.2	21.1	17.5	16.0
	49.9	46.8	43.2	40.4	37.6	34.8	32.4	30.3	28.2	26.0	24.4	21.1	17.5	16.0
	49.5	46.2	43.1	40.2	37.2	34.4	32.1	30.0	28.0	25.9	24.2	21.1	17.4	16.0
	48.5	45.2	41.8	39.0	36.2	33.6	31.2	28.8	26.9	25.1	23.4	20.7	17.3	16.0
	48.2	45.1	41.8	38.7	36.2	33.0	30.8	28.8	26.7	24.8	23.1	20.3	16.8	16.0
	48.1	45.4	42.1	38.8	36.0	33.7	30.9	29.0	26.9	25.0	23.3	20.8	17.1	16.0
	47.5	44.6	41.3	38.6	36.0	33.5	31.0	28.7	27.2	25.8	23.7	21.1	17.3	16.0
	46.9	43.8	40.5	37.6	35.1	32.8	30.7	28.6	26.9	25.0	23.4	20.6	17.1	16.0
	47.5	43.9	41.5	38.6	36.0	33.5	31.0	29.1	27.1	25.5	23.8	21.0	17.4	16.0
	47.5	44.5	41.7	38.3	36.1	33.1	30.9	29.3	27.4	25.4	23.5	21.1	17.3	16.0
	47.9	44.4	41.5	38.6	36.0	33.7	31.4	29.3	27.2	25.7	23.9	21.2	17.3	16.0
	46.9	43.7	41.2	38.1	35.6	33.2	31.0	29.1	27.1	25.2	23.7	21.1	17.3	16.0
	49.0	45.4	42.7	39.5	37.1	34.3	32.0	30.3	28.0	26.3	24.3	21.8	18.0	16.0
	47.9	45.0	41.8	39.4	36.9	34.3	31.5	28.6	27.5	26.3	23.6	21.6	17.6	16.0
	49.3	46.5	42.4	39.4	36.8	34.7	31.3	29.7	27.2	25.9	24.2	21.2	17.5	16
	47.7	44.7	41.5	38.5	36.1	33.3	31.1	29.2	26.8	25.2	23.6	20.8	17	16
	48.6	44.9	41.4	38.6	36.6	33.8	31.2	29	27.5	25.3	23.4	21.2	17.7	16
	48.8	46	42.1	39.4	36.7	34.4	31.7	30	27.3	25.6	23.9	20.8	17	16
	50.3	46.9	42.9	39.9	37.2	34.6	31.9	29.5	27.6	25.9	24.7	21.1	17.5	16
	48.4	45.1	42.1	38.8	36.2	34	31.2	29.5	27.5	25.1	23.8	20.6	17.3	16

Table A32 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.7	T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7
106	26+68.3	-22.1	74	72	70.1	67	63.1	61.7	61.1	59.8	58.9	57.1
107	26+78.3	-21.5	74.0	73.9	73.2	72.6	68.8	66.8	64.6	63.5	62.3	60.0
108	26+78.3	-21.5	74.0	73.1	71.0	67.7	64.1	61.4	59.5	58.0	57.0	54.6
109	26+78.3	-21.5	74.0	72.4	70.8	67.6	64.1	62.4	61.0	60.3	59.4	57.3
110	26+78.3	-21.5	74.0	73.2	70.5	67.1	62.9	61.0	59.6	58.8	57.5	55.0
111	26+88.3	-20.9	74.0	73.4	72.9	72.5	71.5	71.3	70.5	70.2	69.5	68.6
112	26+88.3	-20.9	74.0	73.1	71.2	68.3	64.4	62.6	60.4	60.7	58.8	57.7
113	26+88.3	-20.9	74.0	73.5	71.2	68.1	64.3	63.0	61.3	60.4	59.5	57.6
114	26+88.3	-20.9	74.0	73.0	70.9	68.4	65.3	63.8	62.2	61.3	60.8	58.5
115	26+93.3	-20.6	74.0	73.2	71.1	68.4	65.3	64.4	62.8	61.9	61.0	59.0
116	26+93.3	-20.6	74.0	73.1	69.8	66.8	60.6	58.9	57.5	58.2	56.8	53.2
117	26+93.3	-20.6	74.0	72.9	69.7	66.5	62.4	60.7	59.4	59.1	57.9	56.0
118	26+93.3	-20.6	74.0	73.5	71.8	69.0	65.7	63.7	62.5	61.5	60.4	58.8
119	26+95.3	-20.6	74.0	73.9	73.1	71.8	70.1	68.8	67.4	66.3	65.2	62.5
120	26+95.3	-20.6	74.0	72.9	70.0	65.7	60.6	58.3	57.1	56.1	55.1	54.0
121	26+95.3	-20.6	74.0	73.1	71.1	67.8	64.4	62.4	61.4	60.4	59.3	57.8
122	26+95.3	-20.6	74.0	72.6	70.7	67.5	63.5	62.2	60.4	60.4	59.4	57.0
123	27+08.1	-24.25	74.0	72.9	71.5	69.0	65.5	64.5	62.2	61.5	61.4	59.3
123A	27+08.1	-24.25	74.0	73.1	71.3	69.0	65.9	64.5	63.2	62.5	61.2	59.2
124	27+18.1	-24.25	74.0	73.4	72.1	69.3	67.0	65.7	64.7	63.2	62.5	60.6
125	27+28.1	-24.25	74.0	74.1	72.3	70.4	68.1	67.3	65.5	64.6	63.0	61.0
126	27+38.1	-24.25	74.0	73.9	72.6	70.6	69.0	67.3	65.4	64.9	63.8	61.8
127	27+48.1	-24.25	74.0	74.0	73.5	72.5	70.6	69.0	67.5	66.1	65.1	62.9
128	27+58.1	-24.25	74.0	73.8	73.2	72.2	71.0	69.3	68.0	67.0	66.0	64.0
129	27+68.1	-24.25	74.0	73.8	73.3	72.3	70.7	69.5	68.4	67.4	66.2	63.9
130	27+78.1	-24.25	74.0	73.8	73.1	71.8	70.0	68.7	67.4	66.3	65.2	62.9
131	27+88.1	-24.25	74.0	73.9	73.1	71.6	69.8	68.6	67.2	66.0	65.1	62.8
131A	27+88.1	-24.25	74.0	73.8	73.0	71.6	69.8	68.1	67.2	65.8	64.8	62.3
132	26+14.0	-24.25	74.0	68.5	63.2	54.5	45.5	43.8	45.8	42.8	40.9	42.8
133	26+22.5	-24.25	74.0	72.0	63.2	49.9	36.2	33.2	32.7	31.9	31.0	30.8
134	26+70.0	-17.0	74.0	66.7	60.9	49.4	39.6	37.1	36.8	35.3	35.0	35.2
134A	26+70.0	-17.0	74.0	72.3	70.2	68.6	65.0	64.4	62.2	62.2	60.7	58.4

Average Piezometer Readings, Prototype Feet of Water

=45 C=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=180 LC=62.7	T=240 LC=58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=6 LC=3
7	63.1	61.7	61.1	59.8	58.9	57.1	55	51.2	48.6	45.3	42	39.2	36.6	33.9	31.5
2.6	68.8	66.8	64.6	63.5	62.3	60.0	57.7	53.8	50.2	46.4	43.2	40.0	37.5	34.5	31.9
7.7	64.1	61.4	59.5	58.0	57.0	54.6	52.6	49.0	45.1	41.3	38.2	35.6	32.7	30.2	28.1
7.6	64.1	62.4	61.0	60.3	59.4	57.3	55.6	52.3	48.9	45.2	42.4	39.5	36.4	34.3	32.0
7.1	62.9	61.0	59.6	58.8	57.5	55.0	53.4	49.1	45.7	41.8	38.7	35.8	33.0	31.0	28.5
2.5	71.5	71.3	70.5	70.2	69.5	68.6	66.9	60.8	55.6	51.3	47.6	43.8	40.8	37.6	35.0
3.3	64.4	62.6	60.4	60.7	58.8	57.7	55.6	52.1	48.4	44.9	42.1	39.2	37.0	34.1	31.3
3.1	64.3	63.0	61.3	60.4	59.5	57.6	55.6	52.3	49.1	45.4	42.5	39.8	37.0	34.4	32.1
3.4	65.3	63.8	62.2	61.3	60.8	58.5	56.4	52.8	49.4	45.8	42.7	39.3	36.3	33.9	31.3
3.4	65.3	64.4	62.8	61.9	61.0	59.0	56.6	53.2	49.8	46.5	43.1	40.0	37.1	34.7	31.8
6.8	60.6	58.9	57.5	58.2	56.8	53.2	52.9	51.0	47.8	43.6	41.4	38.3	36.3	33.7	31.7
6.5	62.4	60.7	59.4	59.1	57.9	56.0	54.2	50.8	47.6	44.1	41.7	38.8	36.1	33.4	31.4
9.0	65.7	63.7	62.5	61.5	60.4	58.8	56.8	53.2	49.6	46.2	43.2	40.1	37.3	34.9	32.1
1.8	70.1	68.8	67.4	66.3	65.2	62.5	60.6	56.2	52.5	48.7	45.5	42.4	39.4	36.6	34.0
5.7	60.6	58.3	57.1	56.1	55.1	54.0	51.6	48.9	45.9	42.6	39.9	37.1	34.9	32.5	30.4
7.8	64.4	62.4	61.4	60.4	59.3	57.8	55.7	52.0	48.7	45.0	42.3	39.0	36.6	33.9	31.8
7.5	63.5	62.2	60.4	60.4	59.4	57.0	55.0	51.7	48.6	45.4	42.0	39.2	35.9	33.9	31.4
9.0	65.5	64.5	62.2	61.5	61.4	59.3	56.8	53.3	50.1	45.6	43.2	40.1	37.2	34.5	32.2
9.0	65.9	64.5	63.2	62.5	61.2	59.2	57.3	53.5	50.0	46.5	43.5	40.0	37.4	34.5	32.1
9.3	67.0	65.7	64.7	63.2	62.5	60.6	58.4	54.8	50.8	47.2	44.2	41.1	38.0	35.3	32.7
0.4	68.1	67.3	65.5	64.6	63.0	61.0	59.3	55.6	51.7	48.4	44.8	41.8	38.5	35.8	33.0
0.6	69.0	67.3	65.4	64.9	63.8	61.8	59.7	55.5	52.1	48.1	44.8	41.2	38.4	35.5	32.9
2.5	70.6	69.0	67.5	66.1	65.1	62.9	61.1	56.5	52.7	49.1	45.5	42.3	39.2	36.5	33.9
2.2	71.0	69.3	68.0	67.0	66.0	64.0	61.6	57.5	53.6	49.8	46.2	43.0	39.8	36.8	34.3
2.3	70.7	69.5	68.4	67.4	66.2	63.9	62.1	58.2	54.0	50.5	46.7	43.1	40.1	37.3	34.4
1.8	70.0	68.7	67.4	66.3	65.2	62.9	61.0	56.6	53.1	49.0	45.6	42.5	39.3	36.3	33.7
1.6	69.8	68.6	67.2	66.0	65.1	62.8	60.4	56.4	52.8	49.0	45.2	42.1	38.9	35.9	33.5
1.6	69.8	68.1	67.2	65.8	64.8	62.3	60.6	56.4	53.0	48.8	45.6	42.0	38.8	36.1	33.3
4.5	45.5	43.8	45.8	42.8	40.9	42.8	40.2	38.0	36.2	33.4	32.1	30.1	28.8	27.4	26.2
9.9	36.2	33.2	32.7	31.9	31.0	30.8	29.7	29.4	28.2	26.9	26.2	24.8	23.8	23.3	22.0
9.4	39.6	37.1	36.8	35.3	35.0	35.2	33.6	32.0	31.4	29.3	28.1	26.9	25.6	24.7	23.5
8.6	65.0	64.4	62.2	62.2	60.7	58.4	57.0	53.3	49.7	46.4	43.1	40.5	37.3	34.7	32.4

e Piezometer Readings, Prototype Feet of Water

240 =58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=720 LC=31.7	T=780 LC=29.4	T=840 LC=27.1	T=900 LC=24.9	T=1020 LC=21.9	T=1260 LC=17.6	T=1500 LC=16.0
.2	48.6	45.3	42	39.2	36.6	33.9	31.5	29.8	27.6	25.8	23.9	21.3	17.1	16
.8	50.2	46.4	43.2	40.0	37.5	34.5	31.9	29.5	27.2	25.3	23.9	21.1	17.3	16.0
.0	45.1	41.3	38.2	35.6	32.7	30.2	28.1	26.3	24.5	23.0	21.3	19.5	16.9	16.0
.3	48.9	45.2	42.4	39.5	36.4	34.3	32.0	29.6	27.8	25.6	24.2	21.1	17.7	16.0
.1	45.7	41.8	38.7	35.8	33.0	31.0	28.5	26.2	24.4	22.8	21.5	19.6	16.9	16.0
.8	55.6	51.3	47.6	43.8	40.8	37.6	35.0	32.2	29.9	27.6	25.8	22.6	18.5	16.0
.1	48.4	44.9	42.1	39.2	37.0	34.1	31.3	29.1	27.2	25.4	23.5	20.8	17.0	16.0
.3	49.1	45.4	42.5	39.8	37.0	34.4	32.1	29.8	28.0	25.9	24.4	21.6	17.7	16.0
.8	49.4	45.8	42.7	39.3	36.3	33.9	31.3	28.7	27.3	26.2	24.4	21.4	17.6	16.0
.2	49.8	46.5	43.1	40.0	37.1	34.7	31.8	29.8	27.7	25.5	24.1	21.1	17.4	16.0
.0	47.8	43.6	41.4	38.3	36.3	33.7	31.7	29.2	27.4	25.6	23.9	20.7	17.2	16.0
.8	47.6	44.1	41.7	38.8	36.1	33.4	31.4	28.9	27.1	25.3	23.9	20.8	17.5	16.0
.2	49.6	46.2	43.2	40.1	37.3	34.9	32.1	30.0	28.3	26.4	24.3	21.4	17.2	16.0
.2	52.5	48.7	45.5	42.4	39.4	36.6	34.0	31.6	29.4	27.3	25.4	22.3	18.0	16.0
.9	45.9	42.6	39.9	37.1	34.9	32.5	30.4	28.7	26.9	25.2	23.7	20.7	17.3	16.0
.0	48.7	45.0	42.3	39.0	36.6	33.9	31.6	29.5	27.4	25.1	23.8	20.9	17.2	16.0
.7	48.6	45.4	42.0	39.2	35.9	33.9	31.4	29.5	27.2	25.8	24.0	21.2	17.6	16.0
.3	50.1	45.6	43.2	40.1	37.2	34.5	32.2	30.3	28.0	25.9	24.5	21.5	17.2	16.0
.5	50.0	46.5	43.5	40.0	37.4	34.5	32.1	29.8	27.4	26.1	24.3	21.2	17.6	16.0
.8	50.8	47.2	44.2	41.1	38.0	35.3	32.7	30.2	28.0	26.3	24.3	21.5	17.6	16.0
.6	51.7	48.4	44.8	41.8	38.5	35.8	33.0	30.8	28.7	26.5	24.7	21.6	17.2	16.0
.5	52.1	48.1	44.8	41.2	38.4	35.5	32.9	30.7	28.4	26.6	24.7	21.7	17.3	16.0
.5	52.7	49.1	45.5	42.3	39.2	36.5	33.9	31.4	29.2	27.2	25.5	22.0	18.2	16.0
.5	53.6	49.8	46.2	43.0	39.8	36.8	34.3	31.4	29.1	27.2	25.2	21.8	17.4	16.0
.2	54.0	50.5	46.7	43.1	40.1	37.3	34.4	31.7	29.4	27.2	25.2	22.1	17.8	16.0
.6	53.1	49.0	45.6	42.5	39.3	36.3	33.7	31.3	29.1	27.0	25.0	21.7	17.4	16.0
.4	52.8	49.0	45.2	42.1	38.9	35.9	33.5	31.1	28.8	26.5	24.7	21.8	17.6	16.0
.4	53.0	48.8	45.6	42.0	38.8	36.1	33.3	31.0	28.7	26.6	24.8	21.7	17.4	16.0
.0	36.2	33.4	32.1	30.1	28.8	27.4	26.2	24.2	23.8	22.2	21.1	19.5	17.2	16.0
.4	28.2	26.9	26.2	24.8	23.8	23.3	22.0	21.2	20.6	19.8	19.4	18.1	16.6	16.0
.0	31.4	29.3	28.1	26.9	25.6	24.7	23.5	22.2	21.5	20.5	19.9	18.3	16.7	16.0
.3	49.7	46.4	43.1	40.5	37.3	34.7	32.4	30.1	27.8	26.1	24.2	21.5	17.7	16.0

600

Table A32 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.7	T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=18(LC=6
135	27+85.0	-17.0	74.0	65.7	62.3	57.4	53.3	49.6	45.8	42.6	39.7	36.1	33.7
135A	27+85.0	-17.0	74.0	73.1	70.3	69.4	65.4	65.0	62.7	62.6	60.8	58.7	57.1
136	28+60.0	-18.0	74.0	61.7	57.6	43.6	33.8	32.8	32.6	32.3	31.9	30.7	30.3
136A	28+60.0	-18.0	74.0	72.5	69.6	68.8	64.4	64.5	61.9	62.3	60.4	58.5	56.7
137	28+72.0	-18.0	74.0	61.1	56.6	42.5	32.2	31.0	30.3	30.1	29.4	29.0	28.4
137A	28+72.0	-18.0	74.0	73.0	70.2	69.3	64.7	65.0	62.7	62.9	60.4	58.8	57.2
138	29+21.3	-18.0	16.0	16.3	16.0	15.8	22.1	22.6	21.8	21.3	20.7	20.1	19.9
138A	29+21.3	-18.0	16.0	16.2	16.3	16.5	16.2	15.8	16.0	16.0	15.5	16.0	15.8
139	29+28.3	-18.9	16.0	11.0	5.1	8.6	30.4	29.8	29.2	29.5	28.9	28.3	28.3
140	29+37.3	-20.0	16.0	14.4	9.2	15.1	27.2	26.6	25.8	25.6	25.1	25.3	25.0
141	29+70.0	-20.0	16.0	19.7	15.5	23.8	27.1	26.0	25.8	25.6	25.0	24.9	24.6
141A	29+70.0	-20.0	16.0	16.6	16.6	16.9	16.6	16.3	16.1	16.3	16.1	16.1	16.4
142	30+10.0	-20.0	16.0	16.1	16.3	16.3	16.2	15.9	15.7	15.7	15.6	16.0	15.6
143	30+57.9	-27.0	16.0	16.4	16.5	16.5	16.3	15.8	15.9	15.9	15.7	15.7	15.9
144	30+66.4	-27.0	16.0	16.0	16.2	16.3	16.3	16.1	15.7	15.9	16.0	16.0	15.8
145	30+14.4	-27.0	16.0	17.0	18.6	19.8	18.8	17.6	17.9	17.7	17.4	17.5	17.7
146	30+22.9	-27.0	16.0	16.7	17.9	22.2	23.5	24.1	24.4	24.6	24.4	24.3	24.3
147	30+23.9	-34.0	16.0	17.5	19.6	21.8	22.8	22.8	22.2	21.9	21.7	21.8	22.0
148	30+23.9	-34.0	16.0	17.2	19.2	21.4	22.9	22.9	22.6	22.3	21.9	22.2	22.2
149	30+23.9	-34.0	16.0	16.7	18.8	20.5	21.5	21.4	21.3	21.0	20.9	20.7	20.7
150	30+23.9	-34.0	16.0	17.1	19.7	22.4	23.3	22.7	22.7	22.4	22.2	22.2	22.0
151	30+23.9	-34.0	16.0	16.8	21.1	25.2	26.9	26.3	26.5	26.0	25.5	25.1	24.8
152	30+67.4	-34.0	16.0	16.4	16.5	16.6	16.3	16.1	16.1	16.1	15.9	15.8	15.9
153	30+67.4	-34.0	16.0	16.6	16.7	16.5	16.5	15.9	15.9	15.7	16.1	15.7	15.9
154	30+67.4	-34.0	16.0	16.3	16.3	16.2	15.9	15.8	15.6	15.6	15.5	15.6	15.6
155	30+67.4	-34.0	16.0	16.1	15.8	16.2	15.9	15.9	15.7	15.7	15.8	15.7	15.7
156	30+67.4	-34.0	16.0	16.7	17.9	18.7	19.0	18.6	18.6	18.4	18.4	18.6	18.2
157	30+16.8	-29.5	16.0	15.6	14.7	13.1	4.8	-0.8	1.1	1.8	3.2	1.4	3.0
158	30+31.0	-29.5	16.0	15.9	14.4	11.5	9.2	9.8	9.4	10.1	9.9	10.1	10.8
159	30+60.3	-29.5	16.0	16.1	16.4	16.1	16.1	15.7	15.6	15.6	15.6	15.7	15.6
160	30+74.5	-29.5	16.0	16.2	16.4	16.4	16.3	16.1	15.7	16.0	15.9	15.7	15.9
161	22+57.6	-24.0	74.0	69.0	65.4	58.5	52.8	50.4	49.3	48.7	47.6	46.9	45.5

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=180 LC=62.7	T=240 LC=58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.
57.4	53.3	49.6	45.8	42.6	39.7	36.1	33.7	31.8	30.1	28.5	27.3	26.3	25.3	24.0	23.1
69.4	65.4	65.0	62.7	62.6	60.8	58.7	57.1	53.3	50.1	46.7	43.5	40.4	37.2	34.9	32.2
33.6	33.8	32.8	32.6	32.3	31.9	30.7	30.3	29.2	27.8	27.0	26.2	24.5	24.0	22.8	22.1
68.8	64.4	64.5	61.9	62.3	60.4	58.5	56.7	53.0	49.6	46.2	43.1	40.3	37.5	34.4	32.3
32.5	32.2	31.0	30.3	30.1	29.4	29.0	28.4	27.5	26.9	25.7	24.7	23.8	22.8	22.5	21.2
69.3	64.7	65.0	62.7	62.9	60.4	58.8	57.2	53.2	50.0	46.6	43.6	40.3	37.5	34.8	32.4
15.8	22.1	22.6	21.8	21.3	20.7	20.1	19.9	18.9	17.5	17.2	15.9	15.7	15.6	15.6	15.5
16.5	16.2	15.8	16.0	16.0	15.5	16.0	15.8	16.0	15.9	15.6	16.0	15.9	15.8	15.9	15.8
3.6	30.4	29.8	29.2	29.5	28.9	28.3	28.3	27.1	25.9	25.4	24.7	23.2	22.4	22.0	21.1
25.1	27.2	26.6	25.8	25.6	25.1	25.3	25.0	24.4	23.7	23.1	22.2	22.3	21.1	20.5	20.4
23.8	27.1	26.0	25.8	25.6	25.0	24.9	24.6	24.1	23.2	22.7	22.2	21.6	21.1	20.5	20.0
16.9	16.6	16.3	16.1	16.3	16.1	16.1	16.4	16.2	16.2	16.0	16.2	15.8	16.1	15.6	15.8
16.3	16.2	15.9	15.7	15.7	15.6	16.0	15.6	16.0	15.8	15.8	15.7	15.9	15.8	16.0	15.8
16.5	16.3	15.8	15.9	15.9	15.7	15.7	15.9	15.8	15.9	15.7	15.8	16.0	16.0	15.9	15.7
16.3	16.3	16.1	15.7	15.9	16.0	16.0	15.8	15.8	16.0	16.0	15.9	15.9	15.8	16.0	15.9
19.8	18.8	17.6	17.9	17.7	17.4	17.5	17.7	18.3	18.1	18.1	18.1	17.8	17.6	17.7	17.7
22.2	23.5	24.1	24.4	24.6	24.4	24.3	24.3	24.3	23.7	23.4	23.0	22.7	22.2	21.7	21.5
21.8	22.8	22.8	22.2	21.9	21.7	21.8	22.0	21.8	21.0	20.7	20.1	20.1	19.5	19.1	18.8
21.4	22.9	22.9	22.6	22.3	21.9	22.2	22.2	21.7	21.1	20.9	20.7	20.0	19.8	19.1	19.1
20.5	21.5	21.4	21.3	21.0	20.9	20.7	20.7	20.2	20.1	19.5	19.5	18.9	18.5	18.4	18.1
22.4	23.3	22.7	22.7	22.4	22.2	22.2	22.0	21.9	21.4	20.9	20.7	20.2	19.5	19.3	18.7
25.2	26.9	26.3	26.5	26.0	25.5	25.1	24.8	24.0	23.1	22.8	22.0	21.3	20.7	20.1	19.6
16.6	16.3	16.1	16.1	16.1	15.9	15.8	15.9	15.8	15.9	16.0	16.1	16.1	15.9	15.9	16.0
16.5	16.5	15.9	15.9	15.7	16.1	15.7	15.9	15.9	15.9	16.0	15.8	15.9	16.1	16.1	16.1
16.2	15.9	15.8	15.6	15.6	15.5	15.6	15.6	15.8	15.6	15.8	15.7	15.7	15.7	15.7	15.8
16.2	15.9	15.9	15.7	15.7	15.8	15.7	15.7	15.6	15.6	15.6	15.5	15.7	15.5	15.7	15.7
18.7	19.0	18.6	18.6	18.4	18.4	18.6	18.2	18.3	18.0	17.7	17.6	17.5	17.4	17.2	17.1
13.1	4.8	-0.8	1.1	1.8	3.2	1.4	3.0	4.3	5.6	7.7	7.8	8.2	10.5	11.2	12.0
11.5	9.2	9.8	9.4	10.1	9.9	10.1	10.8	11.3	12.2	12.6	13.0	13.4	14.0	14.2	14.5
16.1	16.1	15.7	15.6	15.6	15.6	15.7	15.6	16.0	15.6	15.9	15.8	15.8	16.0	15.8	15.7
16.4	16.3	16.1	15.7	16.0	15.9	15.7	15.9	15.9	15.9	15.8	15.9	16.0	16.0	15.9	15.9
58.5	52.8	50.4	49.3	48.7	47.6	46.9	45.5	44.0	41.0	38.3	36.5	33.6	31.6	29.6	27.6

e Piezometer Readings, Prototype Feet of Water

240 =58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=720 LC=31.7	T=780 LC=29.4	T=840 LC=27.1	T=900 LC=24.9	T=1020 LC=21.9	T=1260 LC=17.6	T=1500 LC=16.0
.8	30.1	28.5	27.3	26.3	25.3	24.0	23.1	22.1	21.0	20.4	19.7	18.8	16.8	16.0
.3	50.1	46.7	43.5	40.4	37.2	34.9	32.2	30.1	27.9	26.2	24.4	21.4	17.5	16.0
.2	27.8	27.0	26.2	24.5	24.0	22.8	22.1	21.3	20.5	19.8	19.0	17.8	16.5	16.0
.0	49.6	46.2	43.1	40.3	37.5	34.4	32.3	29.9	27.8	25.8	24.2	21.1	17.4	16.0
.5	26.9	25.7	24.7	23.8	22.8	22.5	21.2	20.9	19.8	19.3	18.7	17.7	16.4	16.0
.2	50.0	46.6	43.6	40.3	37.5	34.8	32.4	30.1	27.8	26.1	24.4	21.4	17.4	16.0
.9	17.5	17.2	15.9	15.7	15.6	15.6	15.5	15.7	15.6	15.8	15.7	15.8	15.9	16.0
.0	15.9	15.6	16.0	15.9	15.8	15.9	15.8	15.8	16.0	16.1	15.8	15.9	15.9	16.0
.1	25.9	25.4	24.7	23.2	22.4	22.0	21.1	20.2	19.8	19.4	18.7	18.0	16.9	16.0
.4	23.7	23.1	22.2	22.3	21.1	20.5	20.4	19.6	19.1	18.6	18.5	17.7	16.9	16.0
.1	23.2	22.7	22.2	21.6	21.1	20.5	20.0	19.4	18.9	18.4	18.1	17.4	16.5	16.0
.2	16.2	16.0	16.2	15.8	16.1	15.6	15.8	16.0	16.1	16.0	15.8	16.0	15.8	16.0
.0	15.8	15.8	15.7	15.9	15.8	16.0	15.8	15.9	16.0	16.0	15.9	16.0	15.9	16.0
.8	15.9	15.7	15.8	16.0	16.0	15.9	15.7	16.0	16.1	16.1	16.1	16.0	16.0	16.0
.8	16.0	16.0	15.9	15.9	15.8	16.0	15.9	16.0	16.0	15.9	16.1	16.1	16.1	16.0
.3	18.1	18.1	18.1	17.8	17.6	17.7	17.7	17.4	17.2	17.0	17.1	16.9	16.3	16.0
.3	23.7	23.4	23.0	22.7	22.2	21.7	21.5	21.1	20.6	20.1	19.7	18.7	17.2	16.0
.8	21.0	20.7	20.1	20.1	19.5	19.1	18.8	18.6	18.0	17.8	17.4	16.8	16.2	16.0
.7	21.1	20.9	20.7	20.0	19.8	19.1	19.1	18.4	18.2	17.9	17.7	17.0	16.5	16.0
.2	20.1	19.5	19.5	18.9	18.5	18.4	18.1	17.7	17.7	17.2	17.0	16.7	16.1	16.0
.9	21.4	20.9	20.7	20.2	19.5	19.3	18.7	18.6	18.2	17.7	17.7	16.8	16.5	16.0
.0	23.1	22.8	22.0	21.3	20.7	20.1	19.6	19.1	18.5	18.3	17.9	17.3	16.0	16.0
.8	15.9	16.0	16.1	16.1	15.9	15.9	16.0	15.9	16.0	15.9	16.0	16.1	15.9	16.0
.9	15.9	16.0	15.8	15.9	16.1	16.1	16.1	16.1	16.0	16.0	15.9	16.0	16.1	16.0
.8	15.6	15.8	15.7	15.7	15.7	15.7	15.8	15.7	15.6	15.8	15.8	16.0	15.8	16.0
.6	15.6	15.6	15.5	15.7	15.5	15.7	15.7	15.5	15.7	15.5	15.6	15.4	16.1	16.0
.3	18.0	17.7	17.6	17.5	17.4	17.2	17.1	16.9	16.9	16.6	16.5	16.5	16.1	16.0
3	5.6	7.7	7.8	8.2	10.5	11.2	12.0	12.4	13.2	14.0	14.1	15.1	15.8	16.0
.3	12.2	12.6	13.0	13.4	14.0	14.2	14.5	14.9	15.0	15.5	15.5	15.7	16.1	16.0
.0	15.6	15.9	15.8	15.8	16.0	15.8	15.7	15.9	15.5	16.0	16.0	15.9	16.0	16.0
.9	15.9	15.8	15.9	16.0	16.0	15.9	15.9	16.0	15.8	16.0	16.0	16.0	16.1	16.0
.0	41.0	38.3	36.5	33.6	31.6	29.6	27.6	26.5	25.1	24.3	22.6	20.4	17.4	16.0

Table A32 (Concluded)

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.0	T=30 LC=73.7	T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7
162	22+57.6	-26.4	74.0	68.7	65.1	58.2	52.4	50.1	48.8	48.4	47.1	46.5
163	22+60.6	-24.0	74.0	68.9	65.2	58.2	52.2	50.2	48.9	48.2	47.1	46.2
164	22+60.6	-26.4	74.0	69.0	65.2	58.1	52.2	50.1	48.8	48.3	47.1	46.4
165	29+25.8	-32.3	16.0	5.7	-5.1	0.1	22.0	22.2	21.6	21.6	21.2	21.4
166	29+28.8	-33.0	16.0	14.4	10.1	14.7	27.6	27.1	27.0	26.5	26.1	26.1
167	29+31.8	-33.7	16.0	14.3	9.1	14.9	27.3	27.0	26.2	25.8	25.4	25.7

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=72.8	T=60 LC=71.7	T=75 LC=70.7	T=90 LC=69.4	T=105 LC=68.3	T=120 LC=67.3	T=150 LC=64.7	T=180 LC=62.7	T=240 LC=58.4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T= LC=
58.2	52.4	50.1	48.8	48.4	47.1	46.5	45.4	43.9	40.6	38.2	36.3	33.5	31.3	29.2	27.
58.2	52.2	50.2	48.9	48.2	47.1	46.2	45.2	43.6	39.9	37.9	35.7	33.0	31.1	29.2	27.
58.1	52.2	50.1	48.8	48.3	47.1	46.4	45.3	43.9	40.5	37.6	35.8	33.2	31.3	29.3	27.
0.1	22.0	22.2	21.6	21.6	21.2	21.4	21.1	21.1	20.6	20.2	19.7	19.6	19.1	18.9	18.
14.7	27.6	27.1	27.0	26.5	26.1	26.1	25.8	24.7	24.2	23.5	22.7	21.5	21.0	20.4	19.
14.9	27.3	27.0	26.2	25.8	25.4	25.7	25.0	24.8	23.8	23.1	22.1	22.4	21.3	20.4	20.

ezometer Readings, Prototype Feet of Water

4	T=300 LC=54.3	T=360 LC=50.5	T=420 LC=46.9	T=480 LC=43.7	T=540 LC=40.5	T=600 LC=37.2	T=660 LC=34.6	T=720 LC=31.7	T=780 LC=29.4	T=840 LC=27.1	T=900 LC=24.9	T=1020 LC=21.9	T=1260 LC=17.6	T=1500 LC=16.0
	40.6	38.2	36.3	33.5	31.3	29.2	27.7	26.4	24.9	23.6	22.3	20.3	17.7	16.0
	39.9	37.9	35.7	33.0	31.1	29.2	27.4	26.2	24.9	23.7	22.1	19.9	17.1	16.0
	40.5	37.6	35.8	33.2	31.3	29.3	27.5	26.3	24.8	23.7	22.1	19.9	17.2	16.0
	20.6	20.2	19.7	19.6	19.1	18.9	18.7	18.3	17.8	17.4	17.5	16.9	16.4	16.0
	24.2	23.5	22.7	21.5	21.0	20.4	19.6	19.4	18.8	18.1	17.6	17.1	16.0	16.0
	23.8	23.1	22.1	22.4	21.3	20.4	20.5	19.5	19.2	18.8	18.4	17.5	16.4	16.0

Table A33
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Upper Pool

Piezometer Location			Average Piezometer Readings, Prototype Feet of Water									
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=15 LC=
15	22+52.1	-17.0	74.0	72.5	71.4	69.0	65.3	60.5	56.3	52.6	50.0	48.8
15A	22+52.1	-17.0	74.0	73.7	72.6	72.4	70.1	68.9	66.7	64.9	63.0	60.7
16	21+53.5	-17.0	74.0	71.9	71.2	69.1	67.0	63.1	58.9	55.8	53.2	51.5
17	22+59.1	-16.9	74.0	72.9	71.9	69.2	65.7	60.8	56.1	52.6	49.8	48.4
18	22+62.6	-16.8	74.0	72.6	71.6	69.2	65.4	60.6	55.8	52.5	49.2	48.1
19	22+69.1	-16.6	74.0	73.7	73.5	73.1	72.1	65.7	59.6	55.9	52.9	49.5
20	22+76.6	-16.5	74.0	73.4	72.8	72.1	70.8	69.0	67.4	58.4	57.0	47.1
21	22+90.6	-16.5	74.0	71.7	70.8	68.2	64.5	59.4	55.8	52.6	49.8	46.9
21A	22+90.6	-16.5	74.0	73.7	72.7	72.3	69.9	68.8	66.4	65.0	62.7	60.5
22	23+50.0	-16.5	74.0	69.0	68.0	65.9	62.2	58.2	53.7	50.8	47.7	46.8
23	24+50.0	-16.5	74.0	74.0	73.5	73.3	73.2	72.7	72.6	72.5	72.1	71.8
24	25+50.0	-16.5	74.0	73.7	73.4	73.4	73.2	72.9	69.6	58.0	53.3	53.8
24A	25+50.0	-16.5	74.0	73.4	72.7	72.2	70.1	69.1	66.7	64.8	63.1	60.9
25	26+04.3	-24.25	74.0	71.9	71.7	69.6	66.6	59.3	53.3	49.0	47.1	44.5
26	25+95.9	-24.25	74.0	72.6	71.1	69.0	64.7	59.4	54.9	50.5	47.0	45.3
27	26+09.2	-17.0	74.0	73.4	73.0	72.8	71.9	71.1	54.9	52.5	51.0	49.7
27A	26+09.2	-17.0	74.0	73.3	72.5	72.2	70.2	69.1	66.7	65.1	63.4	60.9
28	26+01.3	-20.1	74.0	73.4	71.5	69.5	67.1	64.9	62.7	45.9	33.6	31.7
29	26+12.4	-20.1	74.0	72.5	71.1	68.5	64.5	60.1	55.4	50.9	47.5	45.8
30	25+96.0	-20.1	74.0	73.8	73.9	73.7	73.1	72.8	46.1	39.6	34.9	33.4
31	26+04.5	-20.1	74.0	73.7	72.3	71.0	68.1	64.9	61.0	58.5	51.0	48.7
32	25+88.1	-20.1	74.0	73.0	70.0	66.5	59.9	52.5	44.5	38.1	33.5	31.3
33	25+92.6	-20.1	74.0	73.4	71.7	69.3	65.2	60.9	55.2	50.0	48.5	44.8
34	26+01.3	-28.4	74.0	73.6	72.6	71.9	70.4	68.7	66.8	64.7	63.4	60.9
35	26+12.4	-28.4	74.0	73.5	72.9	72.2	70.3	69.1	66.7	64.9	63.7	61.1
36	25+96.0	-28.4	74.0	73.8	73.2	72.7	71.3	69.7	67.9	66.2	64.5	61.7
37	26+04.1	-28.4	74.0	73.3	73.1	72.1	70.7	69.2	66.4	65.4	63.9	61.0
38	25+88.1	-28.4	74.0	73.4	72.7	72.1	70.7	69.4	67.2	66.2	64.6	61.9
39	25+92.6	-28.4	74.0	73.9	73.3	72.9	71.5	69.9	68.3	66.6	65.0	61.9
40	25+75.0	-24.1	74.0	73.4	72.6	71.7	70.1	68.0	65.7	63.1	60.9	57.6

ading During Emptying Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 2 Min (Constant Spee

neter Readings, Prototype Feet of Water

T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=66.8	T=180 LC=64.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8
71.4	69.0	65.3	60.5	56.3	52.6	50.0	48.8	48.0	43.1	41.6	38.4	36.7	34.5	32.0	30.7
72.6	72.4	70.1	68.9	66.7	64.9	63.0	60.7	58.8	55.1	51.2	48.0	44.5	41.3	38.7	35.6
71.2	69.1	67.0	63.1	58.9	55.8	53.2	51.5	49.9	46.5	45.3	41.2	39.5	36.5	34.4	33.4
71.9	69.2	65.7	60.8	56.1	52.6	49.8	48.4	48.1	43.5	41.7	38.6	36.9	34.6	32.8	30.9
71.6	69.2	65.4	60.6	55.8	52.5	49.2	48.1	48.1	43.4	41.1	38.5	36.5	34.3	32.0	30.5
73.5	73.1	72.1	65.7	59.6	55.9	52.9	49.5	48.7	46.0	42.8	40.9	36.9	34.8	33.0	30.8
72.8	72.1	70.8	69.0	67.4	58.4	57.0	47.1	46.4	42.2	40.2	39.3	36.9	35.2	33.9	32.7
70.8	68.2	64.5	59.4	55.8	52.6	49.8	46.9	46.1	43.4	41.1	39.9	35.9	34.0	32.3	30.3
72.7	72.3	69.9	68.8	66.4	65.0	62.7	60.5	58.7	54.8	51.4	47.9	44.6	41.7	38.6	35.8
68.0	65.9	62.2	58.2	53.7	50.8	47.7	46.8	46.2	41.6	40.3	36.8	35.5	33.5	31.3	30.0
73.5	73.3	73.2	72.7	72.6	72.5	72.1	71.8	71.9	70.9	70.5	70.1	69.3	69.2	68.8	68.2
73.4	73.4	73.2	72.9	69.6	58.0	53.3	53.8	50.1	47.5	44.5	42.1	39.9	36.4	35.0	32.1
72.7	72.2	70.1	69.1	66.7	64.8	63.1	60.9	58.6	55.3	51.6	48.3	44.6	41.7	38.7	35.9
71.7	69.6	66.6	59.3	53.3	49.0	47.1	44.5	44.0	41.0	39.6	37.5	35.9	31.7	31.5	28.6
71.1	69.0	64.7	59.4	54.9	50.5	47.0	45.3	43.3	40.7	38.7	36.5	34.3	32.0	30.4	28.3
73.0	72.8	71.9	71.1	54.9	52.5	51.0	49.7	49.0	47.3	40.4	38.6	37.0	35.3	33.6	31.9
72.5	72.2	70.2	69.1	66.7	65.1	63.4	60.9	58.6	54.8	51.1	47.5	44.4	41.3	38.4	35.6
71.5	69.5	67.1	64.9	62.7	45.9	33.6	31.7	31.4	29.8	28.8	28.0	26.8	25.8	24.7	23.4
71.1	68.5	64.5	60.1	55.4	50.9	47.5	45.8	44.8	42.3	39.7	37.7	35.6	33.5	31.4	29.8
73.9	73.7	73.1	72.8	46.1	39.6	34.9	33.4	31.8	29.9	28.4	28.3	27.2	25.6	25.4	23.9
72.3	71.0	68.1	64.9	61.0	58.5	51.0	48.7	46.5	42.8	39.2	37.6	34.8	32.6	30.9	29.1
70.0	66.5	59.9	52.5	44.5	38.1	33.5	31.3	29.9	29.0	28.1	27.4	26.1	24.9	23.6	23.4
71.7	69.3	65.2	60.9	55.2	50.0	48.5	44.8	43.9	42.6	39.5	37.4	35.3	33.0	31.2	29.7
72.6	71.9	70.4	68.7	66.8	64.7	63.4	60.9	59.3	55.4	51.2	48.4	44.7	41.6	38.6	35.9
72.9	72.2	70.3	69.1	66.7	64.9	63.7	61.1	59.0	55.1	52.0	48.3	44.9	42.0	38.9	36.4
73.2	72.7	71.3	69.7	67.9	66.2	64.5	61.7	59.6	55.6	52.1	48.2	45.2	42.0	39.5	36.4
73.1	72.1	70.7	69.2	66.4	65.4	63.9	61.0	59.1	55.4	52.4	48.3	44.9	42.0	38.9	36.4
72.7	72.1	70.7	69.4	67.2	66.2	64.6	61.9	59.3	55.8	52.5	48.6	45.1	42.7	39.4	36.8
73.3	72.9	71.5	69.9	68.3	66.6	65.0	61.9	59.9	55.8	52.1	48.9	45.8	43.0	40.0	37.1
72.6	71.7	70.1	68.0	65.7	63.1	60.9	57.6	55.3	51.8	48.4	45.4	42.3	39.8	36.9	34.3

er Pool El 16.0, 58-Ft Lift, Valve Speed 2 Min (Constant Speed Gate), Single Valve Operation

T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T=660 LC=35.6	T=720 LC=33.3	T=780 LC=30.9	T=840 LC=28.3	T=900 LC=26.2	T=1020 LC=22.9	T=1260 LC=17.9	T=1500 LC=16.0
43.1	41.6	38.4	36.7	34.5	32.0	30.7	28.2	26.6	25.1	23.6	22.3	20.2	17.0	16.0
55.1	51.2	48.0	44.5	41.3	38.7	35.6	33.3	30.8	28.3	26.7	24.8	21.7	17.6	16.0
46.5	45.3	41.2	39.5	36.5	34.4	33.4	29.8	29.0	27.3	25.5	23.3	21.9	18.1	16.0
43.5	41.7	38.6	36.9	34.6	32.8	30.9	28.7	27.1	25.5	23.7	22.7	20.6	17.8	16.0
43.4	41.1	38.5	36.5	34.3	32.0	30.5	28.0	26.7	25.3	23.7	22.1	20.2	17.4	16.0
46.0	42.8	40.9	36.9	34.8	33.0	30.8	28.7	26.8	25.2	24.1	22.7	20.2	16.9	16.0
42.2	40.2	39.3	36.9	35.2	33.9	32.7	31.5	30.3	29.0	20.4	20.0	18.8	16.9	16.0
43.4	41.1	39.9	35.9	34.0	32.3	30.3	28.4	26.5	25.2	23.8	22.3	19.9	17.2	16.0
54.8	51.4	47.9	44.6	41.7	38.6	35.8	33.2	30.8	28.9	26.7	25.0	21.4	17.4	16.0
41.6	40.3	36.8	35.5	33.5	31.3	30.0	27.5	26.4	24.9	23.5	22.2	20.0	17.3	16.0
70.9	70.5	70.1	69.3	69.2	68.8	68.2	67.9	67.6	66.9	38.0	36.5	19.7	16.8	16.0
47.5	44.5	42.1	39.9	36.4	35.0	32.1	30.1	28.7	26.8	24.9	23.2	20.7	17.5	16.0
55.3	51.6	48.3	44.6	41.7	38.7	35.9	33.2	31.1	28.7	27.1	25.0	21.7	17.6	16.0
41.0	39.6	37.5	35.9	31.7	31.5	28.6	28.0	26.7	24.4	22.9	22.5	20.1	17.1	16.0
40.7	38.7	36.5	34.3	32.0	30.4	28.3	26.7	25.7	24.2	22.8	21.7	19.9	17.1	16.0
47.3	40.4	38.6	37.0	35.3	33.6	31.9	30.6	28.9	27.4	26.4	24.8	22.6	18.3	16.0
54.8	51.1	47.5	44.4	41.3	38.4	35.6	32.8	30.8	28.3	26.3	24.5	21.5	17.5	16.0
29.8	28.8	28.0	26.8	25.8	24.7	23.4	22.9	22.0	20.9	20.2	19.6	18.6	16.5	16.0
42.3	39.7	37.7	35.6	33.5	31.4	29.8	28.2	26.5	24.7	23.6	22.3	20.3	17.4	16.0
29.9	28.4	28.3	27.2	25.6	25.4	23.9	23.0	21.9	21.2	20.4	20.0	18.8	17.0	16.0
42.8	39.2	37.6	34.8	32.6	30.9	29.1	27.3	25.8	24.4	22.9	21.9	19.9	17.2	16.0
29.0	28.1	27.4	26.1	24.9	23.6	23.4	22.8	21.8	20.9	20.7	19.8	18.6	16.8	16.0
42.6	39.5	37.4	35.3	33.0	31.2	29.7	27.8	26.3	24.9	23.6	22.2	20.0	17.3	16.0
55.4	51.2	48.4	44.7	41.6	38.6	35.9	33.4	31.0	28.6	26.8	24.8	21.8	17.5	16.0
55.1	52.0	48.3	44.9	42.0	38.9	36.4	33.6	30.8	29.0	26.9	25.4	21.9	17.6	16.0
55.6	52.1	48.2	45.2	42.0	39.5	36.4	33.9	31.8	29.6	27.6	25.9	22.9	18.3	16.0
55.4	52.4	48.3	44.9	42.0	38.9	36.4	33.5	31.2	28.9	27.0	24.9	22.1	17.8	16.0
55.8	52.5	48.6	45.1	42.7	39.4	36.8	33.9	31.5	29.2	27.3	25.2	22.2	17.7	16.0
55.8	52.1	48.9	45.8	43.0	40.0	37.1	34.5	31.8	29.7	27.5	25.5	22.3	17.8	16.0
51.8	48.4	45.4	42.3	39.8	36.9	34.3	32.1	29.8	28.0	25.8	24.3	21.4	17.5	16.0

Table A33 (Continued)

Piezometer Location			Average Piezometer Readings, Prototype Feet of Water									
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=6
42	25+70.0	-24.0	74.0	73.7	73.0	72.1	69.7	67.4	64.8	62.5	60.3	57.8
43	25+70.0	-24.0	74.0	73.0	72.5	71.3	69.2	66.9	64.7	62.1	60.7	58.1
44	25+65.0	-23.1	74.0	73.4	72.6	71.4	68.8	66.2	63.2	60.3	57.9	55.5
45	25+65.0	-23.1	74.0	73.3	72.7	72.0	70.5	68.4	66.0	63.7	61.4	57.3
46	25+65.0	-23.1	74.0	73.2	72.4	71.2	69.2	67.1	64.3	62.2	60.3	58.1
47	25+60.0	-22.7	74.0	73.6	72.5	71.6	69.4	67.0	64.0	61.3	59.1	57.1
48	25+60.0	-22.7	74.0	72.9	71.9	70.9	68.0	65.4	62.3	60.2	57.2	55.2
49	25+60.0	-22.7	74.0	73.5	72.6	71.3	69.0	67.0	64.2	61.7	59.6	57.5
50	25+60.0	-22.7	74.0	73.3	72.5	71.4	69.1	66.7	64.0	61.3	59.3	57.2
51	25+50.0	-22.1	74.0	73.8	73.4	73.3	72.9	72.6	72.4	72.3	72.0	71.7
52	25+50.0	-22.1	74.0	73.7	72.7	71.6	69.7	67.5	64.9	62.5	60.5	58.2
53	25+50.0	-22.1	74.0	73.6	72.7	71.6	69.4	67.5	64.9	62.6	60.6	58.2
54	25+50.0	-22.1	74.0	73.7	72.5	71.6	69.8	67.7	64.8	62.9	61.0	58.2
55	25+40.0	-21.5	74.0	73.9	72.5	71.8	70.1	67.7	65.0	62.2	60.2	57.6
56	25+40.0	-21.5	74.0	73.8	73.2	72.6	71.2	69.8	68.0	66.2	64.9	62.4
57	25+40.0	-21.5	74.0	73.9	72.9	71.8	70.0	68.0	65.2	63.2	61.5	58.9
58	25+40.0	-21.5	74.0	74.0	73.0	72.0	70.2	67.9	65.4	63.0	61.1	58.9
59	25+30.0	-20.9	74.0	73.6	72.8	71.9	70.0	68.5	66.2	64.2	62.2	60.1
60	25+30.0	-20.9	74.0	73.9	73.0	72.0	69.9	68.0	65.7	63.3	61.5	59.1
61	25+30.0	-20.9	74.0	74.0	73.3	72.2	70.6	68.8	65.9	63.5	61.2	57.8
62	25+30.0	-20.9	74.0	73.5	72.8	72.2	70.5	68.6	66.2	63.8	62.2	59.3
63	25+25.0	-20.9	74.0	73.9	72.8	72.4	70.1	68.0	65.9	63.4	61.9	59.7
64	25+25.0	-20.6	74.0	73.7	72.6	71.9	70.0	67.8	65.0	62.9	61.2	58.7
65	25+25.0	-20.6	74.0	73.4	72.4	71.4	68.1	65.4	61.7	58.8	56.9	54.2
66	25+25.0	-20.6	74.0	74.1	73.4	72.8	72.1	70.6	69.5	68.0	67.0	64.4
68	25+23.0	-20.6	74.0	73.9	73.7	73.0	72.5	72.0	70.8	69.9	68.7	66.3
69	25+23.0	-20.6	74.0	73.7	72.1	71.0	68.4	66.1	63.0	60.2	57.7	55.7
70	25+23.0	-20.6	74.0	73.6	72.6	71.6	69.8	67.8	65.3	63.5	61.3	59.0
71	25+10.2	-24.25	74.0	73.9	73.9	72.7	71.6	70.0	68.5	67.0	65.8	64.3
71A	25+10.2	-24.25	74.0	73.7	72.9	71.8	70.2	68.4	65.7	63.6	62.1	59.1
72	25+00.2	-24.25	74.0	73.9	73.1	72.3	70.9	69.3	67.5	65.6	64.3	62.0
73	24+90.2	-24.25	74.0	73.6	73.3	72.2	71.3	69.8	68.3	66.4	65.1	62.7

meter Readings, Prototype Feet of Water

T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=66.8	T=180 LC=64.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.(
73.0	72.1	69.7	67.4	64.8	62.5	60.3	57.8	56.1	52.6	49.1	46.0	42.7	40.0	37.4	34.6
72.5	71.3	69.2	66.9	64.7	62.1	60.7	58.1	56.1	51.7	48.8	45.7	42.8	39.6	37.1	34.6
72.6	71.4	68.8	66.2	63.2	60.3	57.9	55.5	53.8	50.6	47.5	44.3	41.8	38.9	36.4	33.7
72.7	72.0	70.5	68.4	66.0	63.7	61.4	57.3	54.7	50.6	46.3	42.4	38.9	35.7	33.1	30.7
72.4	71.2	69.2	67.1	64.3	62.2	60.3	58.1	56.2	52.7	49.3	45.9	42.7	39.9	37.3	34.6
72.5	71.6	69.4	67.0	64.0	61.3	59.1	57.1	55.1	51.9	48.4	45.4	42.4	39.5	37.2	34.5
71.9	70.9	68.0	65.4	62.3	60.2	57.2	55.2	53.5	49.1	45.5	42.0	38.9	35.9	33.7	30.9
72.6	71.3	69.0	67.0	64.2	61.7	59.6	57.5	55.9	51.9	48.6	45.4	42.2	39.5	37.0	34.6
72.5	71.4	69.1	66.7	64.0	61.3	59.3	57.2	55.7	51.6	48.6	45.3	42.2	39.4	36.9	34.2
73.4	73.3	72.9	72.6	72.4	72.3	72.0	71.7	59.7	55.4	51.6	48.2	44.8	41.6	38.6	36.2
72.7	71.6	69.7	67.5	64.9	62.5	60.5	58.2	56.4	52.5	49.4	45.9	42.8	39.9	37.5	34.9
72.7	71.6	69.4	67.5	64.9	62.6	60.6	58.2	56.4	52.5	49.5	46.0	43.1	40.5	37.8	35.0
72.5	71.6	69.8	67.7	64.8	62.9	61.0	58.2	56.4	52.7	49.5	45.9	43.0	40.1	37.6	34.7
72.5	71.8	70.1	67.7	65.0	62.2	60.2	57.6	55.8	52.5	49.4	45.8	43.0	40.2	37.6	34.8
73.2	72.6	71.2	69.8	68.0	66.2	64.9	62.4	60.7	56.6	53.0	49.5	46.1	43.0	39.8	36.9
72.9	71.8	70.0	68.0	65.2	63.2	61.5	58.9	56.9	53.0	49.8	46.4	43.3	40.4	37.9	35.2
73.0	72.0	70.2	67.9	65.4	63.0	61.1	58.9	56.8	53.1	49.9	46.5	43.5	40.7	37.9	35.4
72.8	71.9	70.0	68.5	66.2	64.2	62.2	60.1	58.2	54.6	51.0	47.6	44.5	41.1	38.5	35.9
73.0	72.0	69.9	68.0	65.7	63.3	61.5	59.1	57.1	53.8	50.2	46.6	43.7	40.6	37.7	35.3
73.3	72.2	70.6	68.8	65.9	63.5	61.2	57.8	55.8	51.9	48.8	45.8	42.8	40.2	37.6	35.2
72.8	72.2	70.5	68.6	66.2	63.8	62.2	59.3	57.5	54.0	50.4	47.0	43.6	40.6	38.1	35.2
72.8	72.4	70.1	68.0	65.9	63.4	61.9	59.7	57.8	53.9	50.5	46.9	43.8	40.6	37.9	35.4
72.6	71.9	70.0	67.8	65.0	62.9	61.2	58.7	56.8	53.4	49.9	46.3	43.3	40.4	37.7	35.2
72.4	71.4	68.1	65.4	61.7	58.8	56.9	54.2	51.5	48.8	46.2	43.1	40.0	37.8	35.8	33.6
73.4	72.8	72.1	70.6	69.5	68.0	67.0	64.4	62.4	59.3	55.7	52.9	50.0	47.4	44.9	35.1
73.7	73.0	72.5	72.0	70.8	69.9	68.7	66.3	64.0	59.8	55.5	51.8	47.7	44.6	41.1	37.8
72.1	71.0	68.4	66.1	63.0	60.2	57.7	55.7	54.3	51.0	47.3	44.7	41.5	38.8	36.1	33.5
72.6	71.6	69.8	67.8	65.3	63.5	61.3	59.0	56.7	53.3	49.8	46.6	43.4	40.4	37.8	34.9
73.9	72.7	71.6	70.0	68.5	67.0	65.8	64.3	63.0	60.8	57.0	52.1	48.0	44.4	41.3	38.1
72.9	71.8	70.2	68.4	65.7	63.6	62.1	59.1	57.6	54.1	50.6	48.0	43.8	41.2	38.3	35.7
73.1	72.3	70.9	69.3	67.5	65.6	64.3	62.0	60.1	56.1	52.2	48.6	45.1	41.9	39.0	36.2
73.3	72.2	71.3	69.8	68.3	66.4	65.1	62.7	60.5	56.8	52.7	48.9	45.2	42.1	39.1	36.2

T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T=660 LC=35.6	T=720 LC=33.3	T=780 LC=30.9	T=840 LC=28.3	T=900 LC=26.2	T=1020 LC=22.9	T=1260 LC=17.9	T=1500 LC=16.0
52.6	49.1	46.0	42.7	40.0	37.4	34.6	32.3	30.0	28.0	26.2	24.3	21.4	17.4	16.0
51.7	48.8	45.7	42.8	39.6	37.1	34.6	32.4	30.0	28.0	26.1	24.5	21.5	17.3	16.0
50.6	47.5	44.3	41.8	38.9	36.4	33.7	31.5	29.6	27.5	25.5	23.9	21.1	17.5	16.0
50.6	46.3	42.4	38.9	35.7	33.1	30.7	27.7	26.2	24.3	22.8	21.4	19.4	16.9	16.0
52.7	49.3	45.9	42.7	39.9	37.3	34.6	32.1	29.9	28.1	26.1	24.4	21.3	17.5	16.0
51.9	48.4	45.4	42.4	39.5	37.2	34.5	31.9	30.0	28.0	26.2	24.4	21.6	17.9	16.0
49.1	45.5	42.0	38.9	35.9	33.7	30.9	28.1	25.9	23.3	25.8	20.2	17.0	13.6	16.0
51.9	48.6	45.4	42.2	39.5	37.0	34.6	31.9	30.0	27.7	26.2	24.5	21.3	17.3	16.0
51.6	48.6	45.3	42.2	39.4	36.9	34.2	31.9	29.8	27.9	25.8	24.3	21.5	17.6	16.0
55.4	51.6	48.2	44.8	41.6	38.6	36.2	33.4	31.0	28.6	28.9	24.9	21.5	17.6	16.0
52.5	49.4	45.9	42.8	39.9	37.5	34.9	32.5	30.1	28.1	26.1	24.5	21.5	17.7	16.0
52.5	49.5	46.0	43.1	40.5	37.8	35.0	32.6	30.4	28.4	26.5	24.9	21.5	17.9	16.0
52.7	49.5	45.9	43.0	40.1	37.6	34.7	32.4	30.3	28.1	26.5	24.7	21.5	17.8	16.0
52.5	49.4	45.8	43.0	40.2	37.6	34.8	32.5	30.5	28.1	26.4	24.6	21.8	17.6	16.0
56.6	53.0	49.5	46.1	43.0	39.8	36.9	34.2	32.0	29.4	27.4	25.2	22.1	17.9	16.0
53.0	49.8	46.4	43.3	40.4	37.9	35.2	32.6	30.5	28.2	26.6	24.7	21.8	17.7	16.0
53.1	49.9	46.5	43.5	40.7	37.9	35.4	32.9	30.6	28.3	26.2	24.7	21.9	17.8	16.0
54.6	51.0	47.6	44.5	41.1	38.5	35.9	33.4	30.8	28.7	26.8	24.8	22.2	17.8	16.0
53.8	50.2	46.6	43.7	40.6	37.7	35.3	32.9	30.4	28.5	26.4	24.6	21.8	17.8	16.0
51.9	48.8	45.8	42.8	40.2	37.6	35.2	32.6	30.9	28.7	26.9	24.7	22.3	16.6	16.0
54.0	50.4	47.0	43.6	40.6	38.1	35.2	32.8	30.4	28.5	26.4	24.7	21.5	17.6	16.0
53.9	50.5	46.9	43.8	40.6	37.9	35.4	32.6	30.3	28.2	26.4	24.3	21.5	17.7	16.0
53.4	49.9	46.3	43.3	40.4	37.7	35.2	32.5	30.3	28.3	26.6	24.6	21.6	17.8	16.0
48.8	46.2	43.1	40.0	37.8	35.8	33.6	31.6	30.3	29.2	27.4	26.2	23.7	18.0	16.0
59.3	55.7	52.9	50.0	47.4	44.9	35.1	32.4	30.5	27.7	26.0	24.3	22.0	18.2	16.0
59.8	55.5	51.8	47.7	44.6	41.1	37.8	35.0	32.5	29.9	27.6	25.5	21.9	17.6	16.0
51.0	47.3	44.7	41.5	38.8	36.1	33.5	31.6	29.5	27.6	25.9	24.3	21.4	17.9	16.0
53.3	49.8	46.6	43.4	40.4	37.8	34.9	31.9	30.1	28.0	26.1	24.3	21.6	17.4	16.0
60.8	57.0	52.1	48.0	44.4	41.3	38.1	34.4	31.6	29.3	27.0	24.9	21.8	17.5	16.0
54.1	50.6	48.0	43.8	41.2	38.3	35.7	32.6	30.6	28.6	26.8	24.8	21.7	17.6	16.0
56.1	52.2	48.6	45.1	41.9	39.0	36.2	33.7	31.3	29.0	26.8	25.1	21.8	17.7	16.0
56.8	52.7	48.9	45.2	42.1	39.1	36.2	33.7	31.5	29.1	26.8	25.1	21.9	17.9	16.0

Table A33 (Continued)

Piezometer Location			Average Piezometer Readings, Prototype Feet of Water									
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=6
74	24+80.2	-24.25	74.0	73.7	73.0	72.4	71.3	69.7	68.3	66.9	65.9	63.2
75	24+70.2	-24.25	74.0	74.1	73.3	72.7	71.7	70.6	69.2	67.5	66.3	63.8
76	24+60.2	-24.25	74.0	74.2	73.7	73.1	72.0	70.8	69.3	67.9	66.6	64.2
77	24+50.2	-24.25	74.0	74.1	73.5	73.1	72.1	70.7	69.5	67.9	66.6	64.4
78	24+40.2	-24.25	74.0	73.9	73.5	72.7	72.0	70.9	69.5	68.3	66.9	64.6
79	24+30.2	-24.25	74.0	74.4	73.8	73.1	72.3	71.2	69.8	68.5	67.0	65.0
79A	24+30.2	-24.25	74.0	73.8	73.4	72.9	72.4	71.4	70.0	68.5	67.5	65.1
80	26+17.0	-28.4	74.0	72.9	70.6	68.1	62.8	57.3	50.6	44.8	39.6	35.6
81	26+06.0	-28.4	74.0	72.5	71.3	68.9	65.5	61.6	57.3	53.6	50.7	48.8
82	26+22.4	-28.4	74.0	72.8	70.5	67.5	61.7	55.5	48.6	42.9	38.8	36.3
83	26+13.9	-28.4	74.0	72.9	71.5	69.3	65.8	62.2	57.5	53.9	51.1	49.2
84	26+30.3	-28.4	74.0	73.0	70.2	66.8	61.4	55.2	47.9	42.8	38.4	35.2
85	26+25.7	-28.4	74.0	72.8	71.4	69.6	65.9	62.0	57.7	53.6	50.4	48.0
86	26+17.0	-20.1	74.0	73.5	72.5	71.7	70.0	68.6	66.2	64.7	62.6	60.6
87	26+06.0	-20.1	74.0	73.0	72.5	71.9	70.0	68.7	66.6	64.7	62.8	61.0
88	26+22.4	-20.1	74.0	73.4	72.8	72.1	70.0	68.8	66.4	64.8	62.8	61.0
89	26+13.9	-20.1	74.0	73.4	72.8	72.0	70.2	68.5	66.6	64.7	62.9	61.4
90	26+30.3	-20.1	74.0	73.7	72.6	72.2	70.5	69.4	67.2	65.3	63.7	61.7
91	26+25.7	-20.1	74.0	73.7	72.7	72.2	70.5	69.3	67.1	65.4	63.7	61.5
92	26+43.3	-24.1	74.0	73.4	72.4	71.4	69.0	66.8	64.3	61.9	59.6	57.4
93	26+43.3	-24.1	74.0	73.1	72.5	71.4	69.2	66.7	64.1	61.3	59.1	56.8
94	26+48.3	-24.0	74.0	73.4	72.5	71.4	69.2	66.8	64.1	61.5	59.7	57.2
95	26+48.3	-24.0	74.0	73.3	72.4	71.6	69.0	67.1	63.9	62.2	60.0	58.0
96	26+53.3	-23.1	74.0	73.3	72.4	71.4	69.3	67.2	64.6	62.4	60.5	58.2
97	26+53.3	-23.1	74.0	73.5	72.3	71.2	68.9	66.3	63.5	61.1	58.9	56.7
98	26+53.3	-23.1	74.0	73.4	72.6	71.4	69.4	67.4	64.8	62.8	60.8	58.8
99	26+58.3	-22.7	74.0	73.6	72.5	71.7	69.4	67.4	64.8	62.4	60.5	58.3
100	26+58.3	-22.7	74.0	73.4	72.4	71.2	69.1	67.0	64.4	62.1	60.0	57.7
101	26+58.3	-22.7	74.0	73.9	72.8	71.7	69.4	67.4	64.5	62.4	60.2	58.1
102	26+58.3	-22.7	74.0	73.6	72.6	71.5	69.3	67.1	64.4	61.9	59.9	57.7
103	26+68.3	-22.1	74.0	73.6	72.7	71.8	69.8	67.8	65.2	62.9	60.9	58.7
104	26+68.3	-22.1	74.0	73.4	72.6	71.6	69.5	67.5	64.7	62.7	60.2	58.6

r Readings, Prototype Feet of Water

74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=66.8	T=180 LC=64.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8
	72.4	71.3	69.7	68.3	66.9	65.9	63.2	60.4	56.8	52.8	49.7	45.9	42.7	39.7	36.7
	72.7	71.7	70.6	69.2	67.5	66.3	63.8	61.5	57.6	53.6	49.9	46.0	43.2	39.9	37.0
	73.1	72.0	70.8	69.3	67.9	66.6	64.2	62.1	57.9	54.1	50.5	47.0	43.4	40.1	37.4
	73.1	72.1	70.7	69.5	67.9	66.6	64.4	62.2	58.1	54.2	49.8	46.5	43.2	40.2	37.0
	72.7	72.0	70.9	69.5	68.3	66.9	64.6	62.4	58.0	54.1	50.3	46.7	43.3	40.1	37.1
	73.1	72.3	71.2	69.8	68.5	67.0	65.0	62.3	58.1	54.3	50.5	46.6	43.7	40.4	37.0
	72.9	72.4	71.4	70.0	68.5	67.5	65.1	63.0	58.9	55.5	52.0	48.7	46.1	43.4	40.6
	68.1	62.8	57.3	50.6	44.8	39.6	35.6	35.0	33.3	32.1	30.4	29.2	27.9	26.4	24.9
	68.9	65.5	61.6	57.3	53.6	50.7	48.8	47.4	44.7	42.3	39.5	37.4	34.8	32.9	30.5
	67.5	61.7	55.5	48.6	42.9	38.8	36.3	35.3	34.1	32.7	30.9	30.0	28.2	27.1	25.8
	69.3	65.8	62.2	57.5	53.9	51.1	49.2	47.6	44.8	42.4	39.7	37.5	35.1	33.0	30.7
	66.8	61.4	55.2	47.9	42.8	38.4	35.2	34.1	33.7	31.8	30.1	28.9	27.5	26.3	25.2
	69.6	65.9	62.0	57.7	53.6	50.4	48.0	46.2	43.5	41.3	38.6	36.6	34.0	32.2	30.1
	71.7	70.0	68.6	66.2	64.7	62.6	60.6	58.4	54.7	51.1	47.4	44.2	41.0	38.5	35.6
	71.9	70.0	68.7	66.6	64.7	62.8	61.0	58.8	55.1	50.9	47.8	44.3	41.4	38.3	35.8
	72.1	70.0	68.8	66.4	64.8	62.8	61.0	58.7	54.7	51.0	47.8	44.7	41.4	38.2	35.8
	72.0	70.2	68.5	66.6	64.7	62.9	61.4	59.2	55.6	51.8	48.5	45.7	42.8	40.4	38.0
	72.2	70.5	69.4	67.2	65.3	63.7	61.7	59.5	56.2	52.8	49.0	46.0	43.5	40.8	38.8
	72.2	70.5	69.3	67.1	65.4	63.7	61.5	59.9	56.5	53.1	49.7	46.9	44.4	41.8	39.6
	71.4	69.0	66.8	64.3	61.9	59.6	57.4	55.6	51.9	48.7	45.4	42.5	39.9	36.9	34.5
5	71.4	69.2	66.7	64.1	61.3	59.1	56.8	55.6	51.1	48.4	45.6	41.9	39.8	37.1	34.1
5	71.4	69.2	66.8	64.1	61.5	59.7	57.2	55.7	52.1	48.6	45.0	42.8	39.5	36.6	34.2
	71.6	69.0	67.1	63.9	62.2	60.0	58.0	55.9	52.4	49.0	45.7	42.7	40.0	37.3	34.5
	71.4	69.3	67.2	64.6	62.4	60.5	58.2	56.0	51.8	48.3	44.8	41.7	39.1	36.3	33.8
8	71.2	68.9	66.3	63.5	61.1	58.9	56.7	55.0	51.5	48.6	45.4	42.2	39.5	36.8	34.1
6	71.4	69.4	67.4	64.8	62.8	60.8	58.8	56.7	53.2	49.9	46.5	43.2	40.5	37.5	35.0
6	71.7	69.4	67.4	64.8	62.4	60.5	58.3	56.3	52.7	49.5	46.5	43.6	40.8	38.1	35.6
4	71.2	69.1	67.0	64.4	62.1	60.0	57.7	55.9	52.2	48.9	45.8	42.7	39.8	37.0	34.2
8	71.7	69.4	67.4	64.5	62.4	60.2	58.1	56.1	52.6	49.2	45.9	43.3	40.0	37.6	34.6
6	71.5	69.3	67.1	64.4	61.9	59.9	57.7	55.8	52.4	49.1	46.0	42.8	39.9	37.0	34.5
7	71.8	69.8	67.8	65.2	62.9	60.9	58.7	56.9	53.2	50.0	46.6	43.5	40.4	37.8	35.0
6	71.6	69.5	67.5	64.7	62.7	60.2	58.6	56.4	52.6	49.6	46.3	43.3	40.0	37.4	34.5

T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T=660 LC=35.6	T=720 LC=33.3	T=780 LC=30.9	T=840 LC=28.3	T=900 LC=26.2	T=1020 LC=22.9	T=1260 LC=17.9	T=1500 LC=16.0
56.8	52.8	49.7	45.9	42.7	39.7	36.7	34.1	31.3	29.3	27.0	25.1	22.2	17.8	16.0
57.6	53.6	49.9	46.0	43.2	39.9	37.0	34.1	31.7	29.4	27.6	25.3	22.1	17.6	16.0
57.9	54.1	50.5	47.0	43.4	40.1	37.4	34.4	32.2	29.7	27.6	25.4	22.5	18.0	16.0
58.1	54.2	49.8	46.5	43.2	40.2	37.0	34.4	31.7	29.5	27.3	25.4	22.1	17.8	16.0
58.0	54.1	50.3	46.7	43.3	40.1	37.1	34.2	31.7	29.6	27.1	25.4	22.2	17.7	16.0
58.1	54.3	50.5	46.6	43.7	40.4	37.0	34.6	31.9	29.8	27.3	25.2	22.3	17.9	16.0
58.9	55.5	52.0	48.7	46.1	43.4	40.6	38.4	36.2	34.4	25.4	23.4	21.3	17.3	16.0
33.3	32.1	30.4	29.2	27.9	26.4	24.9	24.2	23.2	22.2	20.8	20.0	18.9	16.6	16.0
44.7	42.3	39.5	37.4	34.8	32.9	30.5	28.7	27.1	25.4	23.8	22.6	20.4	17.2	16.0
34.1	32.7	30.9	30.0	28.2	27.1	25.8	24.9	23.5	22.4	21.6	20.7	19.2	17.0	16.0
44.8	42.4	39.7	37.5	35.1	33.0	30.7	29.2	27.3	25.5	24.0	23.0	20.4	17.4	16.0
33.7	31.8	30.1	28.9	27.5	26.3	25.2	23.9	22.9	21.9	21.3	20.0	18.8	16.5	16.0
43.5	41.3	38.6	36.6	34.0	32.2	30.1	28.7	27.2	25.4	24.0	22.5	20.5	17.1	16.0
54.7	51.1	47.4	44.2	41.0	38.5	35.6	33.0	30.9	28.7	26.5	24.9	21.7	17.6	16.0
55.1	50.9	47.8	44.3	41.4	38.3	35.8	33.3	30.8	28.4	26.6	24.8	21.7	17.7	16.0
54.7	51.0	47.8	44.7	41.4	38.2	35.8	33.2	30.9	28.8	26.7	24.9	21.8	17.6	16.0
55.6	51.8	48.5	45.7	42.8	40.4	38.0	35.5	31.8	29.9	28.1	26.3	23.5	17.8	16.0
56.2	52.8	49.0	46.0	43.5	40.8	38.8	36.4	32.1	30.3	28.3	26.6	23.8	17.6	16.0
56.5	53.1	49.7	46.9	44.4	41.8	39.6	37.5	32.9	30.7	28.8	27.2	24.5	17.6	16.0
51.9	48.7	45.4	42.5	39.9	36.9	34.5	32.0	29.8	27.5	26.1	24.1	21.4	17.6	16.0
51.1	48.4	45.6	41.9	39.8	37.1	34.1	31.8	29.2	27.6	26.0	24.1	21.2	17.4	16.0
52.1	48.6	45.0	42.8	39.5	36.6	34.2	31.8	29.6	27.3	25.8	24.1	21.2	17.2	16.0
52.4	49.0	45.7	42.7	40.0	37.3	34.5	32.0	29.9	27.9	25.9	24.2	21.7	17.2	16.0
51.8	48.3	44.8	41.7	39.1	36.3	33.8	31.3	29.3	27.5	25.5	24.0	21.0	17.3	16.0
51.5	48.6	45.4	42.2	39.5	36.8	34.1	31.8	29.9	27.7	25.9	24.5	21.4	17.8	16.0
53.2	49.9	46.5	43.2	40.5	37.5	35.0	32.5	30.3	28.2	26.0	24.5	21.5	17.6	16.0
52.7	49.5	46.5	43.6	40.8	38.1	35.6	33.4	29.9	28.0	26.0	24.4	21.5	17.5	16.0
52.2	48.9	45.8	42.7	39.8	37.0	34.2	32.1	30.1	28.2	25.8	24.1	21.3	17.6	16.0
52.6	49.2	45.9	43.3	40.0	37.6	34.6	32.1	30.1	27.9	26.0	24.4	21.4	17.6	16.0
52.4	49.1	46.0	42.8	39.9	37.0	34.5	32.2	29.8	28.2	26.1	24.1	21.4	17.6	16.0
53.2	50.0	46.6	43.5	40.4	37.8	35.0	32.5	30.3	28.3	26.3	24.5	21.6	17.6	16.0
52.6	49.6	46.3	43.3	40.0	37.4	34.5	32.4	30.0	27.9	26.0	24.3	21.5	17.5	16.0

Table A33 (Continued)

Piezometer Location			Average Piezometer Readings, Prototype Feet of Water									
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=15(LC=6
105	26+68.3	-22.1	74.0	73.6	73.0	71.5	69.7	67.6	65.3	63.0	60.8	58.7
106	26+68.3	-22.1	74.0	73.4	72.8	71.5	69.5	67.7	65.0	63.0	60.9	58.9
107	26+78.3	-21.5	74.0	73.5	73.5	73.4	72.6	72.0	70.7	66.9	64.2	61.5
108	26+78.3	-21.5	74.0	73.6	73.0	72.1	70.1	68.1	65.9	63.3	61.6	59.0
109	26+78.3	-21.5	74.0	73.9	73.0	71.8	70.4	68.0	65.7	63.6	61.9	59.5
110	26+78.3	-21.5	74.0	74.1	73.0	71.9	70.1	68.1	65.7	63.7	61.6	59.5
111	26+88.3	-20.9	74.0	73.9	73.1	72.1	70.2	68.5	66.1	64.0	62.0	59.7
112	26+88.3	-20.9	74.0	73.9	72.6	71.7	70.0	67.7	65.0	62.8	61.2	58.2
113	26+88.3	-20.9	74.0	73.9	73.7	73.7	73.2	72.6	70.4	66.2	63.6	60.8
114	26+88.3	-20.9	74.0	73.6	73.0	71.9	70.2	68.6	66.5	64.2	62.9	60.6
115	26+93.3	-20.6	74.0	73.9	73.2	72.9	71.5	70.0	68.4	66.3	64.7	61.2
116	26+93.3	-20.6	74.0	73.7	72.4	71.3	69.6	67.3	64.4	60.8	58.3	55.6
117	26+93.3	-20.6	74.0	73.6	72.5	71.3	69.1	66.6	64.3	61.7	59.6	57.6
118	26+93.3	-20.6	74.0	73.5	72.6	72.0	69.9	68.1	65.7	63.6	62.2	59.9
119	26+95.3	-20.6	74.0	74.1	73.8	73.6	73.0	71.8	70.3	68.5	67.0	64.4
120	26+95.3	-20.6	74.0	74.4	72.7	71.6	68.8	66.0	61.7	58.7	55.8	53.1
121	26+95.3	-20.6	74.0	73.8	73.5	73.1	72.0	71.2	69.6	68.1	67.0	64.5
122	26+95.3	-20.6	74.0	73.8	72.8	72.1	69.6	67.4	65.3	62.8	60.7	58.4
123	27+08.1	-24.25	74.0	73.6	72.9	71.9	70.6	69.1	67.0	65.2	63.4	61.1
123A	27+08.1	-24.25	74.0	73.6	72.9	72.1	70.5	69.0	66.4	65.3	63.4	60.7
124	27+18.1	-24.25	74.0	74.0	73.3	72.5	70.9	69.7	67.7	66.2	64.6	61.9
125	27+28.1	-24.25	74.0	74.1	73.3	72.6	71.9	70.2	68.4	66.7	65.2	62.8
126	27+38.1	-24.25	74.0	73.9	73.6	72.8	72.0	70.5	69.0	66.7	65.5	63.6
127	27+48.1	-24.25	74.0	74.2	73.6	73.2	71.9	70.8	69.3	67.4	66.7	64.1
128	27+58.1	-24.25	74.0	74.1	73.5	73.0	72.0	70.7	69.1	67.8	66.4	64.7
129	27+68.1	-24.25	74.0	73.9	73.5	73.1	72.2	71.0	70.0	68.6	67.2	65.0
130	27+78.1	-24.25	74.0	73.9	73.5	73.0	72.0	71.0	69.8	68.3	67.0	64.7
131	27+88.1	-24.25	74.0	74.0	73.9	73.2	72.2	71.0	69.7	68.5	67.0	64.9
131A	27+88.1	-24.25	74.0	74.1	73.5	72.9	72.1	70.9	69.4	67.8	66.8	64.5
132	26+14.0	-24.25	74.0	72.0	71.0	67.6	63.0	57.3	51.9	47.3	44.3	43.3
133	26+22.5	-24.25	74.0	71.6	70.1	65.6	58.7	51.8	43.9	37.3	32.8	31.1
134	26+70.0	-17.0	74.0	71.1	70.3	65.8	59.8	53.5	45.9	41.2	37.8	35.1

r Readings, Prototype Feet of Water

74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=66.8	T=180 LC=64.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T L
	71.5	69.7	67.6	65.3	63.0	60.8	58.7	56.7	53.1	49.6	46.6	43.3	40.5	37.7	35.0	3
	71.5	69.5	67.7	65.0	63.0	60.9	58.9	57.0	53.1	49.9	46.9	43.8	40.6	38.0	35.5	3
	73.4	72.6	72.0	70.7	66.9	64.2	61.5	59.3	55.1	51.3	47.8	44.1	41.5	38.2	35.6	3
	72.1	70.1	68.1	65.9	63.3	61.6	59.0	56.9	53.3	50.0	47.0	43.8	41.3	38.9	36.7	3
	71.8	70.4	68.0	65.7	63.6	61.9	59.5	57.7	54.0	50.8	47.5	43.9	41.1	38.3	35.7	3
	71.9	70.1	68.1	65.7	63.7	61.6	59.5	57.6	53.9	50.6	47.4	43.8	40.9	38.0	35.6	3
	72.1	70.2	68.5	66.1	64.0	62.0	59.7	57.8	54.3	51.1	47.6	44.3	41.1	38.3	36.0	3
	71.7	70.0	67.7	65.0	62.8	61.2	58.2	56.8	53.4	49.7	46.7	43.7	40.4	37.9	35.1	3
	73.7	73.2	72.6	70.4	66.2	63.6	60.8	58.6	54.0	50.6	47.3	43.9	40.7	37.9	35.7	3
	71.9	70.2	68.6	66.5	64.2	62.9	60.6	58.2	54.9	51.5	47.9	44.7	41.4	38.4	35.8	3
	72.9	71.5	70.0	68.4	66.3	64.7	61.2	59.3	55.4	51.8	48.5	44.9	41.8	38.5	35.5	3
	71.3	69.6	67.3	64.4	60.8	58.3	55.6	54.3	51.7	48.8	45.4	42.3	39.6	37.0	35.3	3
	71.3	69.1	66.6	64.3	61.7	59.6	57.6	55.3	52.3	48.7	45.8	42.7	39.9	37.1	34.7	3
	72.0	69.9	68.1	65.7	63.6	62.2	59.9	57.9	54.1	50.4	47.0	43.6	41.1	38.1	35.4	3
	73.6	73.0	71.8	70.3	68.5	67.0	64.4	62.0	57.6	53.9	50.2	47.0	43.6	40.9	38.0	3
	71.6	68.8	66.0	61.7	58.7	55.8	53.1	51.0	47.7	44.3	41.2	38.1	35.6	32.7	30.9	2
	73.1	72.0	71.2	69.6	68.1	67.0	64.5	62.1	57.4	53.5	49.8	46.5	43.3	40.1	37.3	3
	72.1	69.6	67.4	65.3	62.8	60.7	58.4	56.7	53.0	49.8	46.8	43.5	40.2	37.8	35.0	3
	71.9	70.6	69.1	67.0	65.2	63.4	61.1	59.2	55.6	51.6	48.1	44.5	41.5	38.4	36.0	3
	72.1	70.5	69.0	66.4	65.3	63.4	60.7	58.5	54.9	51.3	47.7	44.6	41.8	38.4	35.7	3
	72.5	70.9	69.7	67.7	66.2	64.6	61.9	60.1	56.1	52.2	48.7	45.7	42.1	39.5	36.5	3
	72.6	71.9	70.2	68.4	66.7	65.2	62.8	61.1	56.4	52.8	49.6	46.1	42.8	39.8	36.7	3
	72.8	72.0	70.5	69.0	66.7	65.5	63.6	61.2	57.8	53.8	49.7	46.3	43.3	40.1	37.1	3
	73.2	71.9	70.8	69.3	67.4	66.7	64.1	62.0	58.1	54.0	50.4	46.9	43.5	40.7	37.2	3
	73.0	72.0	70.7	69.1	67.8	66.4	64.7	62.0	57.9	54.3	50.4	46.8	43.4	40.3	37.5	3
	73.1	72.2	71.0	70.0	68.6	67.2	65.0	62.7	58.4	54.6	50.9	47.2	43.9	40.7	37.7	3
	73.0	72.0	71.0	69.8	68.3	67.0	64.7	62.4	58.4	54.4	50.9	46.8	43.8	40.5	37.6	3
	73.2	72.2	71.0	69.7	68.5	67.0	64.9	62.5	58.7	54.5	50.9	47.1	43.8	40.8	37.6	3
	72.9	72.1	70.9	69.4	67.8	66.8	64.5	62.3	58.2	54.4	50.5	46.9	43.7	40.2	37.5	3
	67.6	63.0	57.3	51.9	47.3	44.3	43.3	41.5	39.4	37.4	35.2	33.1	32.1	29.4	28.0	2
	65.6	58.7	51.8	43.9	37.3	32.8	31.1	30.4	29.0	28.4	26.4	25.9	25.3	23.6	22.9	2
	65.8	59.8	53.5	45.9	41.2	37.8	35.1	34.7	32.8	33.0	30.3	29.2	28.0	26.2	25.7	2

T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T=660 LC=35.6	T=720 LC=33.3	T=780 LC=30.9	T=840 LC=28.3	T=900 LC=26.2	T=1020 LC=22.9	T=1260 LC=17.9	T=1500 LC=16.0
53.1	49.6	46.6	43.3	40.5	37.7	35.0	32.5	30.4	28.0	26.1	24.5	21.6	17.5	16.0
53.1	49.9	46.9	43.8	40.6	38.0	35.5	32.7	30.5	28.4	26.5	24.7	22.1	17.9	16.0
55.1	51.3	47.8	44.1	41.5	38.2	35.6	32.8	30.8	28.1	26.5	24.5	21.6	17.6	16.0
53.3	50.0	47.0	43.8	41.3	38.9	36.7	34.5	32.9	31.2	30.0	29.0	20.4	17.1	16.0
54.0	50.8	47.5	43.9	41.1	38.3	35.7	33.1	31.1	28.8	27.0	25.2	22.2	18.2	16.0
53.9	50.6	47.4	43.8	40.9	38.0	35.6	32.9	30.4	28.4	26.5	24.6	22.0	17.8	16.0
54.3	51.1	47.6	44.3	41.1	38.3	36.0	33.1	30.8	28.8	26.8	24.7	21.9	17.8	16.0
53.4	49.7	46.7	43.7	40.4	37.9	35.1	32.7	30.5	28.2	26.5	24.9	21.6	18.0	16.0
54.0	50.6	47.3	43.9	40.7	37.9	35.7	32.9	30.8	28.9	26.9	25.1	22.3	17.8	16.0
54.9	51.5	47.9	44.7	41.4	38.4	35.8	33.3	31.1	28.9	26.7	24.9	21.9	17.9	16.0
55.4	51.8	48.5	44.9	41.8	38.5	35.5	32.9	30.7	28.6	26.7	24.7	21.6	17.5	16.0
51.7	48.8	45.4	42.3	39.6	37.0	35.3	32.4	30.4	28.4	26.3	24.7	21.6	17.9	16.0
52.3	48.7	45.8	42.7	39.9	37.1	34.7	32.3	29.9	27.9	26.1	24.4	21.7	17.4	16.0
54.1	50.4	47.0	43.6	41.1	38.1	35.4	33.1	30.7	28.4	26.3	24.9	21.8	17.6	16.0
57.6	53.9	50.2	47.0	43.6	40.9	38.0	35.8	33.2	30.7	28.6	27.0	23.4	18.2	16.0
47.7	44.3	41.2	38.1	35.6	32.7	30.9	28.5	26.7	25.0	23.2	22.1	19.6	16.6	16.0
57.4	53.5	49.8	46.5	43.3	40.1	37.3	34.6	32.5	30.0	28.2	26.2	23.1	18.6	16.0
53.0	49.8	46.8	43.5	40.2	37.8	35.0	32.5	30.3	28.1	26.5	24.3	21.5	17.6	16.0
55.6	51.6	48.1	44.5	41.5	38.4	36.0	33.5	31.2	28.8	27.0	25.2	21.9	18.0	16.0
54.9	51.3	47.7	44.6	41.8	38.4	35.7	33.3	30.8	28.6	26.6	25.0	21.7	17.9	16.0
56.1	52.2	48.7	45.7	42.1	39.5	36.5	33.9	31.6	29.3	27.1	25.3	22.1	17.8	16.0
56.4	52.8	49.6	46.1	42.8	39.8	36.7	34.1	31.6	29.1	27.1	25.3	21.9	17.8	16.0
57.8	53.8	49.7	46.3	43.3	40.1	37.1	34.3	32.1	29.5	27.6	25.4	21.9	17.9	16.0
58.1	54.0	50.4	46.9	43.5	40.7	37.2	34.5	32.2	29.8	27.6	25.6	22.3	17.8	16.0
57.9	54.3	50.4	46.8	43.4	40.3	37.5	34.6	32.1	29.7	27.6	25.9	22.2	17.9	16.0
58.4	54.6	50.9	47.2	43.9	40.7	37.7	34.7	32.3	30.1	27.7	25.9	22.7	18.0	16.0
58.4	54.4	50.9	46.8	43.8	40.5	37.6	34.8	32.3	29.9	27.6	25.8	22.3	17.8	16.0
58.7	54.5	50.9	47.1	43.8	40.8	37.6	34.5	32.3	30.0	27.8	25.7	22.3	17.7	16.0
58.2	54.4	50.5	46.9	43.7	40.2	37.5	34.9	31.9	29.8	27.4	25.5	22.4	17.9	16.0
39.4	37.4	35.2	33.1	32.1	29.4	28.0	26.8	24.8	23.8	22.8	21.8	19.6	17.0	16.0
29.0	28.4	26.4	25.9	25.3	23.6	22.9	22.1	21.0	20.6	20.2	19.4	18.1	16.5	16.0
32.8	33.0	30.3	29.2	28.0	26.2	25.7	24.1	22.9	22.2	21.2	20.2	18.9	17.0	16.0

Table A33 (Continued)

Piezometer Location			Average Piezometer Readings, Prototype Feet of Water									
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T L
134A	26+70.0	-17.0	74.0	73.7	72.4	72.4	70.1	69.0	66.4	64.8	62.9	6
135	27+85.0	-17.0	74.0	71.2	70.4	67.7	64.2	61.0	57.8	54.5	51.3	4
135A	27+85.0	-17.0	74.0	73.8	72.2	72.6	69.8	69.6	66.3	65.1	62.9	6
136	28+60.0	-18.0	74.0	68.3	68.6	62.6	56.7	49.4	42.4	36.5	32.4	3
136A	28+60.0	-18.0	74.0	73.5	71.8	72.8	69.1	69.3	65.7	64.9	62.1	6
137	28+72.0	-18.0	74.0	68.5	68.9	62.6	56.5	49.5	42.7	36.8	33.5	3
137A	28+72.0	-18.0	74.0	73.3	71.9	72.5	68.9	69.2	65.7	64.9	61.7	6
138	29+21.3	-18.0	16.0	16.1	16.3	15.9	16.2	15.8	15.8	15.7	15.7	1
138A	29+21.3	-18.0	16.0	16.2	16.1	16.4	16.3	16.3	16.1	15.9	16.0	1
139	29+28.3	-18.9	16.0	9.9	7.5	3.2	1.6	1.7	7.2	20.1	28.1	2
140	29+37.3	-20.0	16.0	14.3	10.0	5.9	5.5	8.1	16.7	24.4	26.2	2
141	29+70.0	-20.0	16.0	15.4	15.1	11.1	13.9	18.7	24.0	24.5	25.1	2
141A	29+70.0	-20.0	16.0	16.0	16.1	15.9	15.9	15.9	16.3	15.9	15.9	1
142	30+10.0	-20.0	16.0	15.9	16.0	16.1	16.4	16.2	16.1	16.1	16.3	1
143	30+57.9	-27.0	16.0	15.9	16.2	16.3	16.4	16.2	16.2	16.0	16.1	1
144	30+66.4	-27.0	16.0	15.9	16.1	16.1	16.1	16.4	16.2	16.0	15.8	1
145	30+14.4	-27.0	16.0	15.9	16.7	17.0	16.2	15.9	14.2	12.2	11.1	1
146	30+22.9	-27.0	16.0	16.6	17.9	19.6	21.9	23.8	25.6	26.0	25.4	2
147	30+23.9	-34.0	16.0	16.2	17.1	17.9	18.1	20.3	20.9	21.5	21.6	2
148	30+23.9	-34.0	16.0	16.5	17.4	18.1	19.2	20.6	21.5	22.2	22.0	2
149	30+23.9	-34.0	16.0	16.3	16.6	17.0	17.7	18.5	19.4	20.2	20.5	2
150	30+23.9	-34.0	16.0	16.2	17.1	18.8	20.7	23.1	25.4	27.4	28.1	2
151	30+23.9	-34.0	16.0	16.2	17.1	19.0	22.1	24.8	26.6	27.9	27.6	2
152	30+67.4	-34.0	16.0	15.9	16.2	16.0	16.2	16.4	16.3	16.1	15.9	1
153	30+67.4	-34.0	16.0	15.9	16.2	16.1	16.1	16.3	16.1	16.1	15.9	1
154	30+67.4	-34.0	16.0	15.8	15.9	15.9	15.9	15.8	15.7	15.7	15.7	1
155	30+67.4	-34.0	16.0	16.0	16.1	16.2	16.2	16.4	15.9	16.2	16.0	1
156	30+67.4	-34.0	16.0	15.9	16.2	16.5	16.7	17.1	17.3	17.5	17.8	1
157	30+16.8	-29.5	16.0	15.8	15.0	15.1	15.1	14.9	11.3	7.8	2.0	1.9
158	30+31.0	-29.5	16.0	15.9	15.9	15.3	13.7	12.2	10.2	9.0	9.3	9.9
159	30+60.3	-29.5	16.0	16.3	16.5	16.3	16.1	16.2	16.0	15.8	16.0	1
160	30+74.5	-29.5	16.0	16.2	16.4	16.5	16.5	16.6	16.3	16.3	16.1	1

Piezometer Readings, Prototype Feet of Water

T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=66.8	T=180 LC=64.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=6 LC=
72.4	72.4	70.1	69.0	66.4	64.8	62.9	60.9	58.9	55.3	51.6	48.0	44.7	41.8	38.6	36.1
70.4	67.7	64.2	61.0	57.8	54.5	51.3	45.0	40.2	33.8	31.4	29.3	28.2	26.8	25.5	24.6
72.2	72.6	69.8	69.6	66.3	65.1	62.9	60.9	58.8	55.1	51.6	47.9	44.8	41.8	38.9	36.3
68.6	62.6	56.7	49.4	42.4	36.5	32.4	31.3	30.4	29.5	28.4	27.1	26.2	24.7	24.2	23.0
71.8	72.8	69.1	69.3	65.7	64.9	62.1	60.4	58.5	54.7	51.5	47.8	44.5	41.6	39.0	35.9
68.9	62.6	56.5	49.5	42.7	36.8	33.5	31.8	31.1	30.0	28.6	27.4	26.7	25.5	24.6	23.6
71.9	72.5	68.9	69.2	65.7	64.9	61.7	60.3	58.2	54.7	51.2	47.8	44.6	41.6	38.8	36.1
16.3	15.9	16.2	15.8	15.8	15.7	15.7	15.7	15.6	15.5	15.4	15.5	15.8	15.6	15.5	15.4
16.1	16.4	16.3	16.3	16.1	15.9	16.0	15.8	16.0	15.8	15.9	15.9	16.0	16.0	16.2	16.0
7.5	3.2	1.6	1.7	7.2	20.1	28.1	28.9	28.5	27.8	26.6	25.2	24.5	23.8	23.2	21.8
10.0	5.9	5.5	8.1	16.7	24.4	26.2	24.3	23.7	23.1	22.7	22.1	21.4	20.8	20.4	19.8
15.1	11.1	13.9	18.7	24.0	24.5	25.1	25.5	24.8	24.1	23.3	22.7	22.4	21.5	21.1	20.2
16.1	15.9	15.9	15.9	16.3	15.9	15.9	15.8	15.7	16.1	16.1	16.0	15.7	15.9	16.0	15.9
16.0	16.1	16.4	16.2	16.1	16.1	16.3	16.1	15.8	16.0	15.9	15.9	15.8	15.7	15.9	15.8
16.2	16.3	16.4	16.2	16.2	16.0	16.1	16.0	15.8	15.9	15.9	16.1	15.8	16.0	15.8	15.8
16.1	16.1	16.1	16.4	16.2	16.0	15.8	16.0	15.6	16.1	15.9	16.2	16.3	16.2	16.3	16.4
16.7	17.0	16.2	15.9	14.2	12.2	11.1	10.8	11.2	11.7	12.0	12.8	13.1	13.7	14.1	14.7
17.9	19.6	21.9	23.8	25.6	26.0	25.4	25.7	25.3	24.3	23.5	23.2	22.4	21.8	21.2	20.6
17.1	17.9	18.1	20.3	20.9	21.5	21.6	21.9	22.1	21.4	20.9	20.9	20.2	19.9	19.6	19.0
17.4	18.1	19.2	20.6	21.5	22.2	22.0	22.7	22.6	21.9	21.4	21.4	21.0	20.4	19.9	19.4
16.6	17.0	17.7	18.5	19.4	20.2	20.5	20.5	20.1	20.4	20.1	19.9	19.2	19.2	18.8	18.4
17.1	18.8	20.7	23.1	25.4	27.4	28.1	28.0	27.4	26.3	25.4	24.7	23.9	22.9	22.1	21.5
17.1	19.0	22.1	24.8	26.6	27.9	27.6	27.3	27.7	26.3	25.4	24.2	23.5	23.1	21.9	21.4
16.2	16.0	16.2	16.4	16.3	16.1	15.9	15.9	15.9	16.0	15.8	15.9	16.0	15.8	16.2	15.9
16.2	16.1	16.1	16.3	16.1	16.1	15.9	16.0	15.7	15.8	15.9	16.0	15.8	15.9	16.0	15.9
15.9	15.9	15.9	15.8	15.7	15.7	15.7	15.4	15.3	15.6	15.4	15.5	15.5	15.5	15.6	15.6
16.1	16.2	16.2	16.4	15.9	16.2	16.0	15.9	16.0	16.0	16.0	15.9	16.0	16.1	15.8	16.0
16.2	16.5	16.7	17.1	17.3	17.5	17.8	18.0	18.4	18.0	17.8	17.7	17.5	17.3	17.3	17.1
15.0	15.1	15.1	14.9	11.3	7.8	2.0	1.9	2.5	4.3	4.7	6.9	8.5	8.9	9.4	12.0
15.9	15.3	13.7	12.2	10.2	9.0	9.3	9.9	9.9	10.5	11.6	12.2	12.8	13.3	13.4	14.1
16.5	16.3	16.1	16.2	16.0	15.8	16.0	16.0	15.8	15.9	15.8	16.0	15.8	16.0	16.1	16.0
16.4	16.5	16.5	16.6	16.3	16.3	16.1	16.1	15.8	16.0	16.0	16.2	16.0	15.9	16.0	15.8

0 4.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T=660 LC=35.6	T=720 LC=33.3	T=780 LC=30.9	T=840 LC=28.3	T=900 LC=26.2	T=1020 LC=22.9	T=1260 LC=17.9	T=1500 LC=16.0
-	55.3	51.6	48.0	44.7	41.8	38.6	36.1	33.5	30.8	29.0	26.8	25.0	22.0	17.8	16.0
-	33.8	31.4	29.3	28.2	26.8	25.5	24.6	23.5	22.7	21.7	20.7	20.1	18.7	16.7	16.0
	55.1	51.6	47.9	44.8	41.6	38.9	36.3	33.5	31.2	29.1	26.9	25.1	22.0	17.8	16.0
	29.5	28.4	27.1	26.2	24.7	24.2	23.0	22.3	21.3	20.6	19.7	19.2	18.1	16.6	16.0
	54.7	51.5	47.8	44.5	41.6	39.0	35.9	33.3	30.8	28.8	26.6	25.0	21.8	17.7	16.0
	30.0	28.6	27.4	26.7	25.5	24.6	23.6	22.7	21.6	20.9	20.3	19.7	18.7	16.8	16.0
	54.7	51.2	47.8	44.6	41.6	38.8	36.1	33.2	31.2	28.7	26.9	25.0	21.8	17.8	16.0
	15.5	15.4	15.5	15.8	15.6	15.5	15.4	15.4	15.5	15.5	15.8	15.6	15.7	15.6	16.0
	15.8	15.9	15.9	16.0	16.0	16.2	16.0	15.9	15.9	16.1	15.8	15.9	16.1	16.1	16.0
	27.8	26.6	25.2	24.5	23.8	23.2	21.8	21.4	20.8	19.8	19.6	18.9	18.0	16.4	16.0
	23.1	22.7	22.1	21.4	20.8	20.4	19.8	19.5	19.0	18.6	18.2	17.9	17.4	16.7	16.0
	24.1	23.3	22.7	22.4	21.5	21.1	20.2	19.8	19.4	19.1	18.3	18.0	17.3	16.2	16.0
	16.1	16.1	16.0	15.7	15.9	16.0	15.9	15.9	16.1	15.8	15.9	15.9	15.9	16.1	16.0
	16.0	15.9	15.9	15.8	15.7	15.9	15.8	15.8	15.7	15.8	16.3	15.9	15.7	15.7	16.0
	15.9	15.9	16.1	15.8	16.0	15.8	15.8	15.8	15.8	16.0	15.8	15.9	16.0	15.6	16.0
	16.1	15.9	16.2	16.3	16.2	16.3	16.4	16.3	16.7	16.7	16.7	16.6	16.3	16.1	16.0
	11.7	12.0	12.8	13.1	13.7	14.1	14.7	14.8	15.1	15.4	15.5	15.7	15.7	16.1	16.0
	24.3	23.5	23.2	22.4	21.8	21.2	20.6	20.2	19.5	19.1	18.7	18.3	17.7	16.5	16.0
	21.4	20.9	20.9	20.2	19.9	19.6	19.0	18.9	18.6	18.0	17.9	17.7	16.9	16.2	16.0
	21.9	21.4	21.4	21.0	20.4	19.9	19.4	19.2	18.7	18.4	17.8	17.7	17.3	16.3	16.0
	20.4	20.1	19.9	19.2	19.2	18.8	18.4	18.1	17.4	17.2	17.1	17.1	16.7	16.5	16.0
	26.3	25.4	24.7	23.9	22.9	22.1	21.5	20.8	20.3	19.4	19.0	18.6	17.7	16.5	16.0
	26.3	25.4	24.2	23.5	23.1	21.9	21.4	20.6	20.5	19.8	19.5	18.8	17.8	16.9	16.0
	16.0	15.8	15.9	16.0	15.8	16.2	15.9	16.1	16.1	16.0	16.0	16.1	16.0	16.0	16.0
	15.8	15.9	16.0	15.8	15.9	16.0	15.9	16.0	15.9	16.0	16.0	16.1	15.9	16.0	16.0
	15.6	15.4	15.5	15.5	15.5	15.6	15.6	15.8	15.7	15.7	15.8	15.8	15.9	15.9	16.0
	16.0	16.0	15.9	16.0	16.1	15.8	16.0	16.0	15.8	16.0	16.2	15.9	16.1	16.2	16.0
	18.0	17.8	17.7	17.5	17.3	17.3	17.1	16.9	17.1	16.8	16.5	16.6	16.3	15.6	16.0
	4.3	4.7	6.9	8.5	8.9	9.4	12.0	12.3	12.5	12.6	13.6	13.8	15.2	15.6	16.0
	10.5	11.6	12.2	12.8	13.3	13.4	14.1	14.3	14.5	15.0	15.2	15.2	15.4	16.0	16.0
	15.9	15.8	16.0	15.8	16.0	16.1	16.0	16.0	16.1	16.0	16.1	16.0	16.0	16.1	16.0
	16.0	16.0	16.2	16.0	15.9	16.0	15.8	16.0	15.9	16.0	16.0	16.0	16.1	16.0	16.0

Table A33 (Concluded)

Piezometer Location			Average Piezometer Readings, Prototype Feet of Water									
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=74.1	T=30 LC=74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	
161	22+57.6	-24.0	74.0	72.5	71.5	68.9	65.5	60.7	56.4	52.7	50.0	
162	22+57.6	-26.4	74.0	73.4	71.5	69.8	66.2	61.6	57.8	53.5	50.6	
163	22+60.6	-24.0	74.0	72.7	71.5	69.1	65.3	60.4	55.9	52.2	49.7	
164	22+60.6	-26.4	74.0	72.8	71.7	68.8	65.3	60.1	55.3	51.4	48.6	
165	29+25.8	-32.3	16.0	6.7	2.0	-6.0	-8.8	-8.0	-0.9	12.9	20.2	
166	29+28.8	-33.0	16.0	14.3	10.3	6.1	6.3	8.5	17.2	23.9	26.3	
167	29+31.8	-33.7	16.0	13.7	9.8	5.6	5.4	7.6	16.7	23.9	26.0	

ter Readings, Prototype Feet of Water

30 =74.1	T=45 LC=73.5	T=60 LC=73.0	T=75 LC=72.3	T=90 LC=71.5	T=105 LC=70.1	T=120 LC=69.4	T=150 LC=66.8	T=180 LC=64.9	T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8
5	68.9	65.5	60.7	56.4	52.7	50.0	49.0	48.2	43.6	41.8	38.5	36.8	34.7	32.5	30.7
5	69.8	66.2	61.6	57.8	53.5	50.6	48.5	47.3	43.9	41.9	38.4	36.5	34.3	32.2	30.4
5	69.1	65.3	60.4	55.9	52.2	49.7	48.5	47.8	42.8	41.1	38.2	36.6	34.3	32.2	30.5
7	68.8	65.3	60.1	55.3	51.4	48.6	47.2	46.6	41.6	39.7	36.7	34.9	32.8	31.1	29.1
)	-6.0	-8.8	-8.0	-0.9	12.9	20.2	21.5	21.3	20.9	20.7	20.1	19.9	19.9	19.6	19.0
3	6.1	6.3	8.5	17.2	23.9	26.3	24.9	24.5	23.6	22.7	22.1	21.8	21.0	20.8	19.6
)	5.6	5.4	7.6	16.7	23.9	26.0	24.5	23.8	23.4	22.4	22.0	21.3	20.9	20.5	19.5

T=240 LC=60.2	T=300 LC=56.2	T=360 LC=52.2	T=420 LC=48.3	T=480 LC=45.1	T=540 LC=41.4	T=600 LC=38.8	T=660 LC=35.6	T=720 LC=33.3	T=780 LC=30.9	T=840 LC=28.3	T=900 LC=26.2	T=1020 LC=22.9	T=1260 LC=17.9	T=1500 LC=16.0
43.6	41.8	38.5	36.8	34.7	32.5	30.7	28.7	27.0	25.4	23.7	22.7	20.7	17.5	16.0
43.9	41.9	38.4	36.5	34.3	32.2	30.4	28.3	27.0	25.2	23.8	22.4	20.4	17.6	16.0
42.8	41.1	38.2	36.6	34.3	32.2	30.5	28.6	26.6	25.1	23.6	22.1	20.1	17.2	16.0
41.6	39.7	36.7	34.9	32.8	31.1	29.1	27.4	26.2	24.8	23.5	22.3	20.7	17.6	16.0
20.9	20.7	20.1	19.9	19.9	19.6	19.0	18.7	18.7	18.2	17.8	17.6	17.2	16.6	16.0
23.6	22.7	22.1	21.8	21.0	20.8	19.6	19.5	19.1	18.6	18.2	18.1	17.3	15.4	16.0
23.4	22.4	22.0	21.3	20.9	20.5	19.5	19.4	18.9	18.4	17.9	17.7	17.3	16.7	16.0

Table A34
H Pattern System Average Piezometer Reading During Emptying Operation, Type 14 Design, Upper Pool El 74.0

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.7	T=30 LC=73.8	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8
15	22+52.1	-17.0	74.0	73.7	72.3	72.6	70.8	70.0	68.4	66.2	63.6	59.0
15A	22+52.1	-17.0	74.0	74.3	73.3	73.5	72.6	72.1	71.1	70.2	69.2	66.7
16	21+53.5	-17.0	74.0	74.6	72.8	72.8	71.7	70.8	69.8	67.8	66.3	61.2
17	22+59.1	-16.9	74.0	74.1	72.3	72.6	70.9	70.1	68.3	66.0	63.6	58.9
18	22+62.6	-16.8	74.0	74.0	72.1	72.7	71.0	70.2	68.0	66.0	63.4	58.7
19	22+69.1	-16.6	74.0	73.8	74.0	74.0	73.8	73.7	73.5	73.1	71.3	63.3
20	22+76.6	-16.5	74.0	73.7	71.8	72.2	70.6	69.8	67.6	65.7	63.0	58.5
21	22+90.6	-16.5	74.0	73.7	71.7	72.2	70.5	69.7	67.8	65.6	62.8	58.0
21A	22+90.6	-16.5	74.0	74.1	73.4	73.6	72.9	72.5	71.4	70.6	69.5	66.6
22	23+50.0	-16.5	74.0	71.1	69.1	69.4	67.8	67.0	65.1	63.3	60.8	56.6
23	24+50.0	-16.5	74.0	73.6	73.5	73.5	73.4	73.2	73.0	72.5	72.4	72.1
24	25+50.0	-16.5	74.0	73.9	73.9	73.9	73.4	73.5	73.6	73.1	72.8	72.8
24A	25+50.0	-16.5	74.0	73.7	72.8	73.3	72.4	71.6	70.8	70.1	68.7	66.5
25	26+04.3	-24.25	74.0	74.3	72.3	72.5	71.0	69.7	67.6	65.6	62.1	57.2
26	25+95.9	-24.25	74.0	74.2	72.3	72.9	71.2	69.8	68.0	65.7	63.4	57.5
27	26+09.2	-17.0	74.0	74.0	73.8	73.5	73.4	72.8	72.0	71.6	71.1	69.6
27A	26+09.2	-17.0	74.0	74.0	73.5	73.6	73.0	72.4	71.4	70.7	69.6	67.2
28	26+01.3	-20.1	74.0	74.3	73.1	72.6	71.4	69.8	68.3	66.3	64.1	60.3
29	26+12.4	-20.1	74.0	73.9	72.8	72.7	71.2	69.9	68.2	65.5	63.0	57.9
30	25+96.0	-20.1	74.0	74.1	73.8	74.0	74.0	74.1	74.2	74.1	68.6	63.5
31	26+04.5	-20.1	74.0	74.2	73.7	73.5	72.5	71.4	70.1	68.7	66.7	62.4
32	25+88.1	-20.1	74.0	73.8	72.6	72.2	70.2	68.5	65.4	61.7	57.9	50.5
33	25+92.6	-20.1	74.0	74.1	73.1	73.0	71.7	70.2	68.5	66.3	63.7	58.2
34	26+01.3	-28.4	74.0	73.9	73.1	73.5	72.5	72.1	71.4	70.1	69.0	66.3
35	26+12.4	-28.4	74.0	74.1	73.4	73.5	72.7	72.3	71.4	70.4	69.3	66.8
36	25+96.0	-28.4	74.0	73.9	73.6	73.4	73.1	72.8	72.2	71.2	70.4	68.0
37	26+04.1	-28.4	74.0	74.2	73.4	73.6	72.6	72.4	71.5	70.8	70.0	67.5
38	25+88.1	-28.4	74.0	74.4	73.5	73.5	72.6	72.2	71.1	70.3	69.1	66.8
39	25+92.6	-28.4	74.0	74.4	74.0	73.8	73.5	72.9	72.2	71.4	70.5	68.0
40	25+75.0	-24.1	74.0	74.0	73.5	73.3	72.7	72.0	71.1	70.0	68.6	65.3
42	25+70.0	-24.0	74.0	73.8	73.5	73.3	72.6	71.9	70.7	69.6	68.4	65.0
43	25+70.0	-24.0	74.0	74.0	73.2	73.3	72.4	71.7	70.5	69.1	68.1	65.1
44	25+65.0	-23.1	74.0	73.8	73.4	73.2	72.4	71.5	70.6	69.0	67.6	64.0
45	25+65.0	-23.1	74.0	74.3	73.7	73.6	73.0	72.2	71.6	70.8	69.3	66.6

g During Emptying Operation, Type 14 Design, Upper Pool El 74.0, Lower Pool El 16.0, 58-Ft Lift, Valve Speed 4 Min (Constant Speed Gate), Single Val

Average Piezometer Readings, Prototype Feet of Water

	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	T=180 LC=67.6	T=240 LC=63.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7
	72.6	70.8	70.0	68.4	66.2	63.6	59.0	53.5	46.8	44.2	40.9	38.3	35.6	34.0	32.0	29.8
	73.5	72.6	72.1	71.1	70.2	69.2	66.7	63.9	58.3	54.5	51.1	47.4	44.2	41.2	38.1	35.5
	72.8	71.7	70.8	69.8	67.8	66.3	61.2	57.2	50.2	47.3	43.9	41.4	38.5	37.3	34.8	32.7
	72.6	70.9	70.1	68.3	66.0	63.6	58.9	53.0	46.7	44.4	40.8	38.1	35.8	34.0	31.8	29.9
	72.7	71.0	70.2	68.0	66.0	63.4	58.7	53.0	46.3	44.1	40.7	38.2	35.5	33.7	32.0	29.7
	74.0	73.8	73.7	73.5	73.1	71.3	63.3	56.5	48.9	44.9	42.2	40.1	37.4	35.1	32.8	30.8
	72.2	70.6	69.8	67.6	65.7	63.0	58.5	53.3	46.6	43.0	41.1	38.7	36.4	34.1	31.9	30.3
	72.2	70.5	69.7	67.8	65.6	62.8	58.0	52.9	45.8	42.4	41.2	38.8	36.3	33.9	31.7	30.2
	73.6	72.9	72.5	71.4	70.6	69.5	66.6	64.0	59.0	54.8	51.3	47.6	44.3	41.3	38.7	35.8
	69.4	67.8	67.0	65.1	63.3	60.8	56.6	51.3	44.2	42.4	39.3	36.9	34.4	32.8	30.9	28.8
	73.5	73.4	73.2	73.0	72.5	72.4	72.1	71.8	71.3	70.8	70.7	69.8	69.1	69.2	68.6	68.3
	73.9	73.4	73.5	73.6	73.1	72.8	72.8	58.3	51.5	47.8	43.7	42.1	39.3	36.0	34.0	31.4
	73.3	72.4	71.6	70.8	70.1	68.7	66.5	63.6	58.4	54.5	51.0	47.6	44.4	41.3	38.6	35.8
	72.5	71.0	69.7	67.6	65.6	62.1	57.2	49.6	42.7	40.7	39.7	40.5	36.0	33.9	31.9	28.8
	72.9	71.2	69.8	68.0	65.7	63.4	57.5	51.2	44.3	40.7	38.5	37.2	34.4	32.3	30.4	28.9
	73.5	73.4	72.8	72.0	71.6	71.1	69.6	52.4	42.4	39.0	38.6	35.7	34.2	32.0	30.4	28.6
	73.6	73.0	72.4	71.4	70.7	69.6	67.2	63.9	58.6	54.6	51.0	47.4	43.8	41.1	38.1	35.4
	72.6	71.4	69.8	68.3	66.3	64.1	60.3	56.4	49.7	43.7	38.9	34.6	31.3	28.6	26.7	25.0
	72.7	71.2	69.9	68.2	65.5	63.0	57.9	52.2	45.3	42.0	39.8	37.2	35.4	33.6	31.2	29.5
	74.0	74.0	74.1	74.2	74.1	68.6	63.5	42.5	32.5	29.7	29.1	27.0	27.1	25.8	24.7	23.7
	73.5	72.5	71.4	70.1	68.7	66.7	62.4	57.8	48.3	42.8	39.9	37.4	35.2	32.9	31.3	29.4
	72.2	70.2	68.5	65.4	61.7	57.9	50.5	41.5	30.9	29.4	28.5	27.6	27.0	25.5	25.2	24.3
	73.0	71.7	70.2	68.5	66.3	63.7	58.2	53.2	44.3	41.4	38.5	36.7	34.9	33.2	31.6	29.4
	73.5	72.5	72.1	71.4	70.1	69.0	66.3	63.8	58.6	55.0	50.9	47.8	44.9	41.1	38.1	35.8
	73.5	72.7	72.3	71.4	70.4	69.3	66.8	63.7	59.0	54.9	51.2	47.6	44.5	41.5	38.9	36.0
	73.4	73.1	72.8	72.2	71.2	70.4	68.0	65.2	60.1	56.1	52.5	49.3	46.5	43.6	41.3	38.7
	73.6	72.6	72.4	71.5	70.8	70.0	67.5	64.4	59.5	55.7	51.5	48.2	45.1	41.7	38.8	36.1
	73.5	72.6	72.2	71.1	70.3	69.1	66.8	63.5	59.4	55.3	51.3	48.4	44.9	41.7	38.8	35.8
	73.8	73.5	72.9	72.2	71.4	70.5	68.0	65.3	60.0	55.7	52.3	49.3	46.2	42.9	40.1	37.3
	73.3	72.7	72.0	71.1	70.0	68.6	65.3	61.8	55.6	51.0	47.5	43.9	40.9	38.2	35.5	33.2
	73.3	72.6	71.9	70.7	69.6	68.4	65.0	61.3	55.7	52.2	48.9	45.8	42.8	39.6	36.6	34.3
	73.3	72.4	71.7	70.5	69.1	68.1	65.1	61.8	55.9	52.2	48.6	45.1	42.5	39.2	36.6	34.1
	73.2	72.4	71.5	70.6	69.0	67.6	64.0	60.0	53.9	49.9	46.6	44.3	41.1	38.4	36.1	33.4
	73.6	73.0	72.2	71.6	70.8	69.3	66.6	63.1	56.9	52.6	48.7	44.8	41.0	37.7	34.5	32.0

16.0, 58-Ft Lift, Valve Speed 4 Min (Constant Speed Gate), Single Valve Operation

Average Piezometer Readings, Prototype Feet of Water

.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7	T=720 LC=34.8	T=780 LC=32.3	T=840 LC=29.8	T=900 LC=27.3	T=1020 LC=23.4	T=1260 LC=18.3	T=1500 LC=16.1	T=1740 LC=16.0
	44.2	40.9	38.3	35.6	34.0	32.0	29.8	28.1	26.5	24.9	23.2	20.7	17.8	16.1	16.0
	54.5	51.1	47.4	44.2	41.2	38.1	35.5	33.0	30.5	28.4	26.4	22.9	18.0	16.1	16.0
	47.3	43.9	41.4	38.5	37.3	34.8	32.7	30.8	29.5	27.8	25.9	22.8	19.0	16.6	16.0
	44.4	40.8	38.1	35.8	34.0	31.8	29.9	28.3	26.8	24.8	23.7	20.9	17.7	15.9	16.0
	44.1	40.7	38.2	35.5	33.7	32.0	29.7	28.3	26.4	24.8	23.3	20.8	17.7	16.2	16.0
	44.9	42.2	40.1	37.4	35.1	32.8	30.8	28.8	27.3	25.8	23.8	21.2	18.1	16.4	16.0
	43.0	41.1	38.7	36.4	34.1	31.9	30.3	28.3	26.8	25.8	23.9	21.3	18.2	16.5	16.0
	42.4	41.2	38.8	36.3	33.9	31.7	30.2	28.4	26.4	25.5	23.6	20.9	17.7	16.1	16.0
	54.8	51.3	47.6	44.3	41.3	38.7	35.8	33.3	31.0	28.6	26.3	23.0	18.5	16.3	16.0
	42.4	39.3	36.9	34.4	32.8	30.9	28.8	27.0	25.4	24.3	22.7	20.1	17.6	16.3	16.0
	70.8	70.7	69.8	69.1	69.2	68.6	68.3	67.9	67.9	66.9	23.0	21.4	17.8	16.1	16.0
	47.8	43.7	42.1	39.3	36.0	34.0	31.4	30.1	28.0	26.2	23.9	21.7	18.0	16.0	16.0
	54.5	51.0	47.6	44.4	41.3	38.6	35.8	33.4	30.8	28.4	26.5	23.2	18.8	16.4	16.0
	40.7	39.7	40.5	36.0	33.9	31.9	28.8	27.7	26.6	24.4	22.9	21.5	17.9	16.6	16.0
	40.7	38.5	37.2	34.4	32.3	30.4	28.9	27.2	26.0	24.3	22.9	20.9	17.9	16.2	16.0
	39.0	38.6	35.7	34.2	32.0	30.4	28.6	27.1	25.9	24.5	23.5	21.0	18.2	16.6	16.0
	54.6	51.0	47.4	43.8	41.1	38.1	35.4	32.7	30.6	28.3	26.6	23.0	18.3	16.1	16.0
	43.7	38.9	34.6	31.3	28.6	26.7	25.0	23.6	22.7	21.6	21.0	19.5	17.3	16.4	16.0
	42.0	39.8	37.2	35.4	33.6	31.2	29.5	27.7	26.6	24.9	23.7	21.4	18.2	16.4	16.0
	29.7	29.1	27.0	27.1	25.8	24.7	23.7	22.6	22.2	21.2	20.4	18.9	17.4	16.2	16.0
	42.8	39.9	37.4	35.2	32.9	31.3	29.4	27.8	26.4	25.0	23.8	21.4	18.3	16.6	16.0
	29.4	28.5	27.6	27.0	25.5	25.2	24.3	23.3	22.0	21.0	20.8	19.5	17.4	16.5	16.0
	41.4	38.5	36.7	34.9	33.2	31.6	29.4	27.5	25.6	24.4	23.4	21.3	17.8	16.2	16.0
	55.0	50.9	47.8	44.9	41.1	38.1	35.8	33.2	30.6	28.6	26.6	23.2	18.3	16.4	16.0
	54.9	51.2	47.6	44.5	41.5	38.9	36.0	33.7	31.1	29.1	27.0	23.4	18.6	16.7	16.0
	56.1	52.5	49.3	46.5	43.6	41.3	38.7	36.3	34.5	32.5	30.7	27.2	21.7	18.5	16.0
	55.7	51.5	48.2	45.1	41.7	38.8	36.1	33.5	31.0	28.8	26.8	23.1	18.4	16.2	16.0
	55.3	51.3	48.4	44.9	41.7	38.8	35.8	33.3	31.3	28.9	26.8	23.4	18.7	16.5	16.0
	55.7	52.3	49.3	46.2	42.9	40.1	37.3	34.8	32.2	29.8	27.8	24.1	19.0	16.7	16.0
	51.0	47.5	43.9	40.9	38.2	35.5	33.2	30.9	28.8	27.3	25.6	22.8	18.8	17.0	16.0
	52.2	48.9	45.8	42.8	39.6	36.6	34.3	32.4	30.1	28.0	26.6	23.1	18.8	16.6	16.0
	52.2	48.6	45.1	42.5	39.2	36.6	34.1	31.8	29.8	27.6	25.9	22.5	18.1	16.3	16.0
	49.9	46.6	44.3	41.1	38.4	36.1	33.4	31.2	29.1	27.3	25.5	22.4	18.0	15.9	16.0
	52.6	48.7	44.8	41.0	37.7	34.5	32.0	29.5	27.2	25.3	24.3	21.1	18.0	16.3	16.0

Table A34 (Continued)

Piezometer Location													
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.7	T=30 LC=73.8-	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	T L
46	25+65.0	-23.1	74.0	73.9	73.1	73.3	72.5	71.6	70.8	69.7	67.8	65.1	6
47	25+60.0	-22.7	74.0	73.9	73.0	73.0	72.4	71.7	70.7	69.1	67.8	64.3	6
48	25+60.0	-22.7	74.0	73.9	73.6	73.5	72.6	72.4	71.1	70.0	68.1	65.2	6
49	25+60.0	-22.7	74.0	73.9	73.2	73.1	72.4	71.7	70.5	69.4	68.0	64.8	6
50	25+60.0	-22.7	74.0	74.1	73.3	73.4	72.6	71.8	70.8	69.7	68.1	64.8	6
51	25+50.0	-22.1	74.0	74.1	73.9	73.6	73.5	73.4	73.2	73.0	72.6	72.6	7
52	25+50.0	-22.1	74.0	74.0	73.2	73.3	72.6	71.7	70.9	69.7	68.2	65.3	6
53	25+50.0	-22.1	74.0	74.1	73.5	73.2	72.6	71.8	71.0	70.0	68.5	65.2	6
54	25+50.0	-22.1	74.0	73.8	73.5	73.5	72.8	72.1	71.5	70.6	69.5	67.0	6
55	25+40.0	-21.5	74.0	74.1	73.6	73.7	72.9	72.0	71.1	69.6	68.5	65.3	6
56	25+40.0	-21.5	74.0	74.1	73.6	73.4	72.8	72.4	71.6	71.1	70.0	67.8	6
57	25+40.0	-21.5	74.0	74.0	73.2	73.3	72.8	71.9	71.0	69.7	68.5	65.5	6
58	25+40.0	-21.5	74.0	73.9	73.5	73.3	72.9	72.0	71.1	69.9	68.6	65.6	6
59	25+30.0	-20.9	74.0	73.9	73.6	73.2	72.6	72.1	71.4	69.9	68.7	66.3	6
60	25+30.0	-20.9	74.0	74.2	73.5	73.4	72.4	71.7	71.1	70.0	68.7	65.5	6
61	25+30.0	-20.9	74.0	74.1	73.9	73.7	73.2	72.1	71.6	70.3	69.2	66.4	6
62	25+30.0	-20.9	74.0	74.0	73.5	73.5	72.9	72.2	71.3	70.4	69.2	66.7	6
63	25+25.0	-20.9	74.0	74.2	73.3	73.5	72.7	72.1	71.0	70.0	68.8	66.2	6
64	25+25.0	-20.6	74.0	74.1	73.5	73.3	72.7	71.8	71.2	69.8	69.0	65.8	6
65	25+25.0	-20.6	74.0	73.9	73.4	73.3	72.6	71.8	71.0	69.2	67.6	63.9	5
66	25+25.0	-20.6	74.0	74.2	74.0	73.3	73.5	72.2	71.8	70.9	69.8	67.3	6
68	25+23.0	-20.6	74.0	74.2	73.8	73.8	73.7	73.0	72.7	72.2	72.0	70.1	6
69	25+23.0	-20.6	74.0	73.3	72.9	73.1	72.0	71.0	70.2	69.1	66.8	63.5	5
70	25+23.0	-20.6	74.0	73.9	73.8	73.8	72.7	72.3	71.1	69.7	68.9	65.7	6
71	25+10.2	-24.25	74.0	73.6	73.6	73.2	73.2	71.9	71.7	70.7	69.6	67.1	6
71A	25+10.2	-24.25	74.0	74.1	73.7	73.5	72.7	72.1	71.5	70.2	69.1	66.8	6
72	25+00.2	-24.25	74.0	74.0	73.5	73.4	72.9	71.8	71.4	70.5	69.1	66.9	6
73	24+90.2	-24.25	74.0	73.7	73.8	73.4	72.9	72.6	71.7	70.9	69.7	67.5	6
74	24+80.2	-24.25	74.0	74.0	73.6	73.1	73.1	72.3	71.8	70.9	69.7	67.6	6
75	24+70.2	-24.25	74.0	74.0	73.9	73.6	73.5	72.8	72.3	71.0	70.3	67.9	6
76	24+60.2	-24.25	74.0	73.9	74.0	73.7	73.3	72.6	71.9	71.4	70.7	68.5	6
77	24+50.2	-24.25	74.0	74.0	74.0	73.6	73.2	72.6	72.3	71.3	70.5	68.7	6
78	24+40.2	-24.25	74.0	74.0	74.1	73.5	73.5	72.7	72.5	71.8	71.2	69.3	6
79	24+30.2	-24.25	74.0	73.8	73.7	73.6	73.1	72.9	71.8	71.4	70.5	68.6	6

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	T=180 LC=67.6	T=240 LC=63.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7
73.3	72.5	71.6	70.8	69.7	67.8	65.1	61.5	55.8	52.2	49.0	45.9	42.5	40.2	37.3	34.7
73.0	72.4	71.7	70.7	69.1	67.8	64.3	60.7	54.5	51.2	47.7	44.6	41.9	39.2	36.7	33.8
73.5	72.6	72.4	71.1	70.0	68.1	65.2	61.6	54.7	51.3	47.3	43.7	41.5	39.3	37.2	34.6
73.1	72.4	71.7	70.5	69.4	68.0	64.8	61.2	55.6	51.7	48.5	45.5	42.3	39.8	37.0	34.4
73.4	72.6	71.8	70.8	69.7	68.1	64.8	60.9	55.4	51.5	48.3	45.2	42.0	39.3	36.4	34.1
73.6	73.5	73.4	73.2	73.0	72.8	72.6	72.1	59.7	54.9	51.5	47.4	44.2	41.6	38.5	35.6
73.3	72.6	71.7	70.9	69.7	68.2	65.3	61.7	56.1	52.1	49.3	45.7	43.0	40.1	37.5	34.9
73.2	72.6	71.8	71.0	70.0	68.5	65.2	61.9	56.4	53.0	49.4	46.1	43.2	40.2	37.7	34.9
73.5	72.8	72.1	71.5	70.6	69.5	67.0	64.4	59.5	55.7	50.3	47.0	43.6	40.5	38.1	35.1
73.7	72.9	72.0	71.1	69.6	68.5	65.3	61.5	55.6	52.1	48.5	45.6	42.6	39.6	36.8	34.2
73.4	72.8	72.4	71.6	71.1	70.0	67.8	65.1	60.3	56.3	52.3	49.1	45.5	42.3	39.4	36.6
73.3	72.8	71.9	71.0	69.7	68.5	65.5	62.2	56.3	52.2	48.9	45.7	42.8	39.8	37.1	34.5
73.3	72.9	72.0	71.1	69.9	68.6	65.6	62.3	56.2	52.6	49.3	45.9	42.5	39.9	37.2	34.4
73.2	72.6	72.1	71.4	69.9	68.7	66.3	62.8	58.1	53.9	50.3	46.9	44.1	40.9	37.9	35.2
73.4	72.4	71.7	71.1	70.0	68.7	65.5	62.1	57.1	52.9	49.3	45.8	43.0	40.0	37.2	34.8
73.7	73.2	72.1	71.6	70.3	69.2	66.4	62.9	58.3	52.4	49.0	46.3	43.3	40.5	38.0	35.4
73.5	72.9	72.2	71.3	70.4	69.2	66.7	63.2	58.0	53.7	50.1	46.8	43.8	40.9	38.1	35.4
73.5	72.7	72.1	71.0	70.0	68.8	66.2	62.5	57.5	53.5	50.3	46.3	43.5	40.9	38.1	34.8
73.3	72.7	71.8	71.2	69.8	69.0	65.8	62.5	57.2	52.8	49.5	46.5	43.3	40.4	37.5	34.7
73.3	72.6	71.8	71.0	69.2	67.6	63.9	59.5	53.6	49.8	47.2	44.0	41.7	39.5	37.1	35.6
73.3	73.5	72.2	71.8	70.9	69.8	67.3	64.9	59.9	55.2	51.1	47.9	44.6	41.3	39.3	36.1
73.8	73.7	73.0	72.7	72.2	72.0	70.1	68.3	63.9	59.7	55.4	51.4	47.7	44.6	41.0	37.9
73.1	72.0	71.0	70.2	69.1	66.8	63.5	59.8	54.3	50.4	46.9	44.3	41.1	37.9	35.3	33.7
73.8	72.7	72.3	71.1	69.7	68.9	65.7	62.4	57.0	53.0	50.1	46.2	42.9	40.4	37.9	35.1
73.2	73.2	71.9	71.7	70.7	69.6	67.1	64.3	59.1	54.6	51.1	47.7	44.6	41.7	38.6	35.5
73.5	72.7	72.1	71.5	70.2	69.1	66.8	62.6	57.4	54.4	50.7	46.3	43.6	40.8	38.1	34.9
73.4	72.9	71.8	71.4	70.5	69.1	66.9	64.3	59.9	54.6	51.2	47.9	45.1	41.3	38.3	36.0
73.4	72.9	72.6	71.7	70.9	69.7	67.5	65.2	60.0	56.3	52.4	48.6	45.3	42.2	39.0	36.1
73.1	73.1	72.3	71.8	70.9	69.7	67.6	65.0	61.0	56.2	52.3	49.0	45.6	42.4	39.5	36.4
73.6	73.5	72.8	72.3	71.0	70.3	67.9	66.3	60.8	56.9	52.9	49.8	46.5	42.7	39.3	36.3
73.7	73.3	72.6	71.9	71.4	70.7	68.5	66.3	61.7	57.7	53.6	49.9	46.8	42.9	39.6	36.8
73.6	73.2	72.6	72.3	71.3	70.5	68.7	66.5	62.0	57.6	53.5	49.7	46.4	42.9	39.7	36.8
73.5	73.5	72.7	72.5	71.8	71.2	69.3	67.5	62.7	58.5	54.4	50.5	47.3	43.8	40.4	37.6
73.6	73.1	72.9	71.8	71.4	70.5	68.6	66.5	61.9	57.9	53.9	50.1	46.4	43.2	39.8	37.2

Average Piezometer Readings, Prototype Feet of Water

7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7	T=720 LC=34.8	T=780 LC=32.3	T=840 LC=29.8	T=900 LC=27.3	T=1020 LC=23.4	T=1260 LC=18.3	T=1500 LC=16.1	T=1740 LC=16.0
	52.2	49.0	45.9	42.5	40.2	37.3	34.7	32.4	30.4	28.2	26.2	23.0	18.4	16.4	16.0
	51.2	47.7	44.6	41.9	39.2	36.7	33.8	31.8	29.7	27.6	25.9	22.8	18.4	16.2	16.0
	51.3	47.3	43.7	41.5	39.3	37.2	34.8	32.4	30.3	28.4	26.6	22.6	17.8	16.7	16.0
	51.7	48.5	45.5	42.3	39.8	37.0	34.4	32.5	30.2	28.2	26.6	23.2	18.6	16.7	16.0
	51.5	48.3	45.2	42.0	39.3	36.4	34.1	32.0	29.6	27.7	26.0	22.7	18.1	16.0	16.0
	54.9	51.5	47.4	44.2	41.6	38.5	35.6	32.9	30.9	28.4	26.4	23.1	18.3	16.1	16.0
	52.1	49.3	45.7	43.0	40.1	37.5	34.9	32.4	30.4	28.4	26.7	23.1	18.7	16.7	16.0
	53.0	49.4	46.1	43.2	40.2	37.7	34.9	32.8	30.6	28.4	26.7	23.2	18.6	16.3	16.0
	55.7	50.3	47.0	43.6	40.5	38.1	35.1	32.5	29.9	28.2	26.3	23.0	18.3	16.5	16.0
	52.1	48.5	45.6	42.6	39.6	36.8	34.2	32.0	29.8	28.0	25.8	22.7	18.2	16.1	16.0
	56.3	52.3	49.1	45.5	42.3	39.4	36.6	33.8	31.2	29.0	27.1	23.5	18.5	16.2	16.0
	52.2	48.9	45.7	42.6	39.8	37.1	34.5	31.9	29.9	27.7	25.7	22.4	17.8	15.8	16.0
	52.6	49.3	45.9	42.5	39.9	37.2	34.4	32.3	30.1	28.0	26.0	22.6	18.1	16.1	16.0
	53.9	50.3	46.9	44.1	40.9	37.9	35.2	32.7	30.6	28.4	26.7	23.3	19.0	16.4	16.0
	52.9	49.3	45.8	43.0	40.0	37.2	34.6	32.4	30.0	28.0	26.1	22.7	18.1	16.0	16.0
	52.4	49.0	46.3	43.3	40.5	38.0	35.4	33.4	31.5	29.5	27.1	24.2	18.1	16.3	16.0
	53.7	50.1	46.8	43.8	40.9	38.1	35.4	33.1	30.8	28.5	26.6	23.2	18.7	16.5	16.0
	53.5	50.3	46.3	43.5	40.9	38.1	34.8	32.7	30.3	28.0	26.4	23.0	18.7	16.7	16.0
	52.8	49.5	46.5	43.3	40.4	37.5	34.7	32.6	30.7	27.9	26.5	23.3	18.7	16.7	16.0
	49.8	47.2	44.0	41.7	39.5	37.1	35.6	33.9	32.3	30.9	29.9	28.1	24.5	23.0	16.0
	55.2	51.1	47.9	44.6	41.3	39.3	36.1	33.8	32.0	29.7	28.0	24.5	19.8	17.5	16.0
	59.7	55.4	51.4	47.7	44.6	41.0	37.9	35.2	32.2	30.4	28.0	24.1	18.8	16.5	16.0
	50.4	46.9	44.3	41.1	37.9	35.3	33.7	31.2	29.5	27.4	25.3	22.4	18.8	16.7	16.0
	53.0	50.1	46.2	42.9	40.4	37.9	35.1	32.4	30.3	28.0	26.7	23.3	18.4	16.2	16.0
	54.6	51.1	47.7	44.6	41.7	38.6	35.5	33.7	30.9	28.7	26.7	23.7	18.9	16.3	16.0
	54.4	50.7	46.3	43.6	40.8	38.1	34.9	32.4	30.5	28.4	26.2	23.1	18.6	16.5	16.0
	54.6	51.2	47.9	45.1	41.3	38.3	36.0	33.4	31.0	28.6	26.9	23.3	18.6	16.4	16.0
	56.3	52.4	48.6	45.3	42.2	39.0	36.1	33.8	31.2	28.9	27.1	23.6	18.7	16.5	16.0
	56.2	52.3	49.0	45.6	42.4	39.5	36.4	33.6	31.5	29.0	27.2	23.9	18.4	16.5	16.0
	56.9	52.9	49.8	46.5	42.7	39.3	36.3	34.1	31.9	29.4	27.2	23.7	18.6	16.5	16.0
	57.7	53.6	49.9	46.8	42.9	39.6	36.8	34.2	31.9	29.2	27.3	23.6	18.6	16.6	16.0
	57.6	53.5	49.7	46.4	42.9	39.7	36.8	34.0	31.5	29.3	27.4	23.4	18.7	16.4	16.0
	58.5	54.4	50.5	47.3	43.8	40.4	37.6	34.7	32.2	29.4	27.7	23.8	19.0	16.4	16.0
	57.9	53.9	50.1	46.4	43.2	39.6	37.2	34.5	31.9	29.4	27.2	23.9	19.0	16.8	16.0

Table A34 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.7	T=30 LC=73.8	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8
79A	24+30.2	-24.25	74.0	74.1	73.9	73.9	73.6	73.1	72.5	72.1	71.1	69.4
80	26+17.0	-28.4	74.0	74.4	72.9	72.9	71.2	69.6	67.3	64.9	62.0	55.3
81	26+06.0	-28.4	74.0	74.1	73.1	73.2	71.8	70.7	69.0	66.8	64.3	59.9
82	26+22.4	-28.4	74.0	74.2	72.9	72.3	70.7	69.0	66.5	63.9	60.1	53.4
83	26+13.9	-28.4	74.0	74.2	73.2	73.0	71.7	71.0	69.0	67.3	64.9	61.0
84	26+30.3	-28.4	74.0	74.1	72.6	72.8	70.3	68.8	66.3	63.6	60.0	52.9
85	26+25.7	-28.4	74.0	74.2	72.8	73.0	72.2	71.2	69.6	68.1	66.0	62.1
86	26+17.0	-20.1	74.0	74.1	73.2	73.6	72.6	72.3	71.2	70.0	68.8	66.3
87	26+06.0	-20.1	74.0	74.3	73.3	73.6	72.7	71.9	71.3	70.3	69.4	66.8
88	26+22.4	-20.1	74.0	74.1	73.7	73.9	72.6	72.5	71.1	70.5	68.9	66.9
89	26+13.9	-20.1	74.0	73.9	72.9	72.7	71.3	72.4	68.9	70.5	69.3	66.6
90	26+30.3	-20.1	74.0	74.2	73.8	74.8	75.0	71.8	74.5	70.5	69.9	68.1
91	26+25.7	-20.1	74.0	74.3	73.7	74.5	74.0	72.0	72.4	70.5	69.9	67.8
92	26+43.3	-24.1	74.0	74.1	73.2	73.2	72.6	71.8	70.7	69.5	68.1	65.0
93	26+43.3	-24.1	74.0	73.9	73.3	73.1	72.2	71.5	70.6	69.2	67.4	64.6
94	26+48.3	-24.0	74.0	73.9	73.2	73.3	72.6	72.1	71.2	69.6	68.3	65.8
95	26+48.3	-24.0	74.0	74.1	73.6	73.7	72.5	71.8	70.8	69.3	68.0	65.0
96	26+53.3	-23.1	74.0	73.8	73.1	73.2	72.3	71.4	70.4	68.8	67.3	64.3
97	26+53.3	-23.1	74.0	74.1	73.1	73.3	72.3	71.3	70.5	69.0	67.4	64.4
98	26+53.3	-23.1	74.0	74.0	73.6	73.2	72.4	72.0	71.1	69.4	68.3	65.5
99	26+58.3	-22.7	74.0	74.1	73.5	73.4	72.6	71.9	70.8	69.4	68.3	65.0
100	26+58.3	-22.7	74.0	73.9	73.3	73.5	72.3	71.8	71.3	69.4	68.2	64.8
101	26+58.3	-22.7	74.0	74.0	73.7	73.3	72.8	72.1	70.8	69.7	68.3	65.2
102	26+58.3	-22.7	74.0	74.0	73.5	73.4	72.3	71.5	70.5	69.2	67.9	65.1
103	26+68.3	-22.1	74.0	73.9	73.3	73.2	72.7	71.9	71.0	69.8	68.6	65.4
104	26+68.3	-22.1	74.0	74.0	73.4	73.6	72.7	72.0	71.1	69.7	68.6	65.5
105	26+68.3	-22.1	74.0	74.1	73.6	73.4	72.9	72.1	71.4	70.4	68.9	65.9
106	26+68.3	-22.1	74.0	73.8	73.7	73.3	72.5	71.7	70.9	69.7	68.4	65.6
107	26+78.3	-21.5	74.0	74.2	73.4	73.3	72.9	71.9	71.1	69.6	68.3	65.3
108	26+78.3	-21.5	74.0	74.1	73.6	73.4	73.0	72.1	71.4	70.2	68.9	66.4
109	26+78.3	-21.5	74.0	74.0	73.5	73.5	72.8	72.1	71.2	69.9	68.7	66.0
110	26+78.3	-21.5	74.0	73.7	73.2	73.3	72.5	71.8	70.7	69.6	68.6	65.6
111	26+88.3	-20.9	74.0	73.9	73.5	73.1	72.4	71.7	70.8	70.0	68.8	66.0
112	26+88.3	-20.9	74.0	74.5	74.1	73.9	73.3	72.7	71.5	70.7	69.4	66.5

Average Piezometer Readings, Prototype Feet of Water

T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.6	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	T=180 LC=67.6	T=240 LC=63.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7
73.9	73.6	73.1	72.5	72.1	71.1	69.4	67.7	63.8	60.2	56.8	53.3	50.3	48.1	45.1	43.1
72.9	71.2	69.6	67.3	64.9	62.0	55.3	48.3	36.6	33.7	32.0	30.5	29.2	27.9	26.9	25.6
73.2	71.8	70.7	69.0	66.8	64.3	59.9	54.4	47.4	44.4	41.9	39.6	37.1	35.0	32.6	30.7
72.3	70.7	69.0	66.5	63.9	60.1	53.4	45.9	36.0	33.9	32.2	30.4	29.6	28.2	27.0	25.7
73.0	71.7	71.0	69.0	67.3	64.9	61.0	55.9	48.7	45.0	42.5	39.5	37.5	35.1	32.8	31.1
72.8	70.3	68.8	66.3	63.6	60.0	52.9	45.7	35.8	33.5	32.2	30.2	28.9	28.3	26.6	25.3
73.0	72.2	71.2	69.6	68.1	66.0	62.1	58.5	52.4	48.0	45.2	41.0	38.8	36.6	33.7	32.0
73.6	72.6	72.3	71.2	70.0	68.8	66.3	63.2	58.4	54.6	50.8	47.2	44.1	40.8	38.1	35.3
73.6	72.7	71.9	71.3	70.3	69.4	66.8	63.7	58.9	54.7	51.3	47.7	44.6	41.4	38.5	36.0
73.9	72.6	72.5	71.1	70.5	68.9	66.9	63.4	58.5	54.3	50.9	47.9	44.4	41.2	38.4	35.6
72.7	71.3	72.4	68.9	70.5	69.3	66.6	62.8	59.6	54.2	51.6	47.2	44.2	43.1	39.7	37.1
74.8	75.0	71.8	74.5	70.5	69.9	68.1	67.1	59.1	57.5	54.0	53.0	49.3	44.3	43.2	41.8
74.5	74.0	72.0	72.4	70.5	69.9	67.8	65.9	59.9	57.4	54.5	52.5	50.0	46.0	44.4	42.4
73.2	72.6	71.8	70.7	69.5	68.1	65.0	61.5	55.1	51.7	48.5	45.5	42.2	39.6	36.9	34.3
73.1	72.2	71.5	70.6	69.2	67.4	64.6	61.2	54.3	50.7	47.4	44.3	42.2	39.0	35.7	33.9
73.3	72.6	72.1	71.2	69.6	68.3	65.8	62.2	57.2	54.3	51.4	49.2	46.5	44.6	42.7	41.2
73.7	72.5	71.8	70.8	69.3	68.0	65.0	61.6	55.8	52.0	48.7	45.6	42.3	39.6	37.1	34.5
73.2	72.3	71.4	70.4	68.8	67.3	64.3	60.6	54.7	50.9	47.8	45.1	42.0	39.2	36.8	34.1
73.3	72.3	71.3	70.5	69.0	67.4	64.4	60.5	54.7	51.2	48.0	44.7	41.9	38.9	36.4	33.7
73.2	72.4	72.0	71.1	69.4	68.3	65.5	62.3	56.6	52.8	49.4	46.1	43.1	40.2	37.3	35.0
73.4	72.6	71.9	70.8	69.4	68.3	65.0	61.7	56.2	52.6	49.1	46.1	42.7	39.8	37.2	34.5
73.5	72.3	71.8	71.3	69.4	68.2	64.8	61.6	55.6	52.2	48.8	45.8	42.3	39.7	37.1	34.4
73.3	72.8	72.1	70.8	69.7	68.3	65.2	62.1	55.7	51.9	48.8	45.9	42.6	39.5	37.0	34.6
73.4	72.3	71.5	70.5	69.2	67.9	65.1	61.6	55.5	51.8	48.6	45.7	42.5	39.9	37.1	34.9
73.2	72.7	71.9	71.0	69.8	68.6	65.4	62.3	56.3	53.1	49.5	45.9	43.1	39.9	37.5	34.9
73.6	72.7	72.0	71.1	69.7	68.6	65.5	62.1	56.3	52.5	49.0	45.9	42.9	40.0	37.6	35.0
73.4	72.9	72.1	71.4	70.4	68.9	65.9	62.8	56.6	53.1	49.6	46.4	43.0	40.2	37.6	34.9
73.3	72.5	71.7	70.9	69.7	68.4	65.6	62.3	56.4	52.9	49.5	46.3	43.3	40.2	37.7	35.1
73.3	72.9	71.9	71.1	69.6	68.3	65.3	62.2	56.8	52.9	49.6	46.1	43.0	39.9	37.5	34.9
73.4	73.0	72.1	71.4	70.2	68.9	66.4	63.1	57.4	53.8	50.4	47.0	43.7	40.8	37.7	35.0
73.5	72.8	72.1	71.2	69.9	68.7	66.0	62.8	57.1	53.3	49.9	46.7	43.5	40.7	37.4	35.2
73.3	72.5	71.8	70.7	69.6	68.6	65.6	62.3	56.9	53.1	49.8	46.4	43.4	40.5	37.4	35.1
73.1	72.4	71.7	70.8	70.0	68.8	66.0	62.8	57.4	53.7	50.0	46.6	43.6	40.1	37.6	35.2
73.9	73.3	72.7	71.5	70.7	69.4	66.5	63.5	57.6	54.0	50.6	47.6	44.3	40.7	37.9	35.0

Average Piezometer Readings, Prototype Feet of Water

T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7	T=720 LC=34.8	T=780 LC=32.3	T=840 LC=29.8	T=900 LC=27.3	T=1020 LC=23.4	T=1260 LC=18.3	T=1500 LC=16.1	T=1740 LC=16.0
60.2	56.8	53.3	50.3	48.1	45.1	43.1	41.0	38.8	37.1	35.4	32.7	28.9	16.9	16.0
33.7	32.0	30.5	29.2	27.9	26.9	25.6	24.3	23.5	22.2	21.4	20.2	17.3	16.0	16.0
44.4	41.9	39.6	37.1	35.0	32.6	30.7	28.7	27.0	25.5	23.9	21.5	17.9	16.3	16.0
33.9	32.2	30.4	29.6	28.2	27.0	25.7	24.4	23.6	22.2	21.4	19.6	17.4	16.1	16.0
45.0	42.5	39.5	37.5	35.1	32.8	31.1	28.9	27.4	25.9	24.2	21.3	18.0	16.1	16.0
33.5	32.2	30.2	28.9	28.3	26.6	25.3	24.2	23.2	22.1	21.6	19.7	17.1	16.2	16.0
48.0	45.2	41.0	38.8	36.6	33.7	32.0	29.5	27.6	26.0	24.5	22.0	17.9	16.0	16.0
54.6	50.8	47.2	44.1	40.8	38.1	35.3	33.1	30.2	28.0	26.7	22.9	18.3	16.3	16.0
54.7	51.3	47.7	44.6	41.4	38.5	36.0	33.0	31.0	28.7	26.7	23.3	18.6	16.5	16.0
54.3	50.9	47.9	44.4	41.2	38.4	35.6	33.2	31.0	28.6	26.8	23.4	18.8	16.3	16.0
54.2	51.6	47.2	44.2	43.1	39.7	37.1	34.4	31.8	29.4	28.4	22.3	18.9	17.1	16.0
57.5	54.0	53.0	49.3	44.3	43.2	41.8	40.5	34.8	33.2	29.3	26.6	18.0	16.0	16.0
57.4	54.5	52.5	50.0	46.0	44.4	42.4	40.8	35.4	33.5	30.7	25.1	18.7	16.2	16.0
51.7	48.5	45.5	42.2	39.6	36.9	34.3	32.1	30.2	28.2	26.0	22.8	18.5	16.5	16.0
50.7	47.4	44.3	42.2	39.0	35.7	33.9	31.7	29.4	27.6	25.6	22.4	18.3	16.2	16.0
54.3	51.4	49.2	46.5	44.6	42.7	41.2	39.5	33.9	32.1	30.4	27.4	19.0	16.3	16.0
52.0	48.7	45.6	42.3	39.6	37.1	34.5	32.2	29.9	28.0	26.1	22.7	18.4	16.1	16.0
50.9	47.8	45.1	42.0	39.2	36.8	34.1	31.6	29.4	27.6	25.8	22.7	18.6	16.5	16.0
51.2	48.0	44.7	41.9	38.9	36.4	33.7	31.3	29.4	27.6	25.4	22.3	18.2	16.3	16.0
52.8	49.4	46.1	43.1	40.2	37.3	35.0	32.1	29.9	27.9	26.1	22.7	18.5	16.4	16.0
52.6	49.1	46.1	42.7	39.8	37.2	34.5	32.2	30.0	28.0	26.0	22.7	18.5	16.1	16.0
52.2	48.8	45.8	42.3	39.7	37.1	34.4	31.7	29.7	28.1	25.9	23.0	18.3	16.5	16.0
51.9	48.8	45.9	42.6	39.5	37.0	34.6	32.3	29.9	28.1	25.8	22.7	18.2	16.0	16.0
51.8	48.6	45.7	42.5	39.9	37.1	34.9	32.3	30.2	27.9	26.3	22.9	18.2	16.2	16.0
53.1	49.5	45.9	43.1	39.9	37.5	34.9	32.5	30.0	28.2	26.2	23.1	18.5	16.1	16.0
52.5	49.0	45.9	42.9	40.0	37.6	35.0	32.3	29.6	28.0	25.8	23.0	17.9	16.3	16.0
53.1	49.6	46.4	43.0	40.2	37.6	34.9	32.6	29.6	27.9	26.4	22.7	18.7	16.4	16.0
52.9	49.5	46.3	43.3	40.2	37.7	35.1	32.5	30.0	28.5	26.6	23.1	18.7	16.8	16.0
52.9	49.6	46.1	43.0	39.9	37.5	34.9	32.2	30.0	28.1	26.3	22.8	18.0	16.0	16.0
53.8	50.4	47.0	43.7	40.8	37.7	35.0	32.8	30.0	28.1	26.0	22.8	18.1	16.1	16.0
53.3	49.9	46.7	43.5	40.7	37.4	35.2	32.4	30.2	27.9	26.1	22.9	18.2	16.4	16.0
53.1	49.8	46.4	43.4	40.5	37.4	35.1	32.4	30.1	28.0	26.2	23.1	18.3	16.2	16.0
53.7	50.0	46.6	43.6	40.1	37.6	35.2	32.6	30.1	28.2	26.1	23.0	18.0	16.2	16.0
54.0	50.6	47.6	44.3	40.7	37.9	35.0	32.6	30.1	28.0	26.2	22.7	18.3	16.1	16.0

Table A34 (Continued)

Piezometer Location												
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.7	T=30 LC=73.8-	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8
113	26+88.3	-20.9	74.0	73.7	73.7	73.0	72.7	71.6	70.7	69.3	68.1	65.2
114	26+88.3	-20.9	74.0	74.0	73.2	73.2	72.7	71.9	71.1	69.8	68.9	66.2
115	26+93.3	-20.6	74.0	73.8	73.2	73.1	72.7	71.9	70.9	69.6	68.9	66.1
116	26+93.3	-20.6	74.0	74.2	73.7	73.4	73.0	72.6	71.6	70.4	69.4	65.7
117	26+93.3	-20.6	74.0	74.3	73.7	73.4	72.4	72.0	71.0	69.7	68.4	65.4
118	26+93.3	-20.6	74.0	74.1	73.6	73.4	72.6	71.9	71.3	70.1	69.1	66.0
119	26+95.3	-20.6	74.0	73.9	73.9	73.5	73.5	73.1	72.3	71.7	70.6	68.9
120	26+95.3	-20.6	74.0	73.7	73.2	72.9	72.2	71.0	69.9	68.6	67.4	63.0
121	26+95.3	-20.6	74.0	73.4	73.5	73.1	73.3	72.5	71.8	70.6	69.6	67.2
122	26+95.3	-20.6	74.0	74.0	73.5	73.2	72.8	72.2	71.1	69.8	68.5	65.5
123	27+08.1	-24.25	74.0	74.0	73.3	73.4	72.7	72.3	71.4	70.6	69.2	66.7
123A	27+08.1	-24.25	74.0	74.0	73.6	73.6	72.9	72.3	71.7	70.3	69.0	66.8
124	27+18.1	-24.25	74.0	73.9	73.6	73.3	72.6	72.2	71.8	70.9	69.9	67.4
125	27+28.1	-24.25	74.0	73.9	73.6	73.3	73.2	72.4	71.6	71.3	70.1	67.7
126	27+38.1	-24.25	74.0	74.1	74.0	74.3	74.2	73.7	73.6	73.3	72.8	71.8
127	27+48.1	-24.25	74.0	74.0	74.1	73.6	73.1	72.7	72.3	71.3	70.2	68.4
128	27+58.1	-24.25	74.0	73.8	73.6	73.4	73.5	73.0	72.2	71.6	71.0	69.2
129	27+68.1	-24.25	74.0	73.9	73.9	73.9	73.6	73.0	72.4	71.6	71.1	69.0
130	27+78.1	-24.25	74.0	74.3	74.1	74.0	73.5	73.0	72.5	71.6	70.7	69.0
131	27+88.1	-24.25	74.0	73.7	73.5	73.6	73.3	73.1	72.2	71.6	70.6	68.9
131A	27+88.1	-24.25	74.0	74.0	73.9	73.6	73.1	72.8	72.3	71.5	70.7	68.4
132	26+14.0	-24.25	74.0	73.6	71.7	72.6	70.6	69.0	66.8	64.6	61.5	55.5
133	26+22.5	-24.25	74.0	73.9	71.3	72.2	69.5	67.7	64.6	61.3	57.5	48.7
134	26+70.0	-17.0	74.0	73.9	71.4	72.5	69.7	68.1	65.6	62.1	59.0	51.6
134A	26+70.0	-17.0	74.0	74.1	73.5	73.6	72.9	72.3	71.5	70.4	69.2	66.9
135	27+85.0	-17.0	74.0	73.9	71.6	72.3	69.6	68.4	66.2	63.8	60.7	54.9
135A	27+85.0	-17.0	74.0	74.3	73.3	73.5	72.6	72.3	71.1	70.5	69.2	66.8
136	26+60.0	-18.0	74.0	73.7	70.5	71.8	68.4	67.0	64.2	60.5	56.6	48.9
136A	26+60.0	-18.0	74.0	74.3	73.1	73.9	72.6	72.4	71.0	70.2	68.9	66.4
137	26+72.0	-18.0	74.0	74.0	70.6	71.8	68.1	66.6	63.4	59.6	55.2	47.1
137A	26+72.0	-18.0	74.0	74.5	73.5	73.6	72.8	72.5	71.0	70.4	69.0	66.3
138	29+21.3	-18.0	16.0	15.7	16.0	16.2	16.0	16.2	16.1	15.9	15.9	15.9
138A	29+21.3	-18.0	16.0	16.4	16.3	16.4	16.5	16.5	16.3	16.4	16.3	16.4
139	29+28.3	-18.9	16.0	17.5	10.8	8.4	5.6	2.9	1.2	1.1	-2.2	0.6

Average Piezometer Readings, Prototype Feet of Water

	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	T=180 LC=67.6	T=240 LC=63.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7
	73.0	72.7	71.6	70.7	69.3	68.1	65.2	62.3	56.3	52.7	49.4	46.1	43.0	40.0	37.0	34.4
	73.2	72.7	71.9	71.1	69.8	68.9	66.2	63.4	58.2	53.9	50.7	47.2	43.8	41.2	37.9	35.5
	73.1	72.7	71.9	70.9	69.6	68.9	66.1	63.1	57.9	53.8	50.7	47.0	43.7	40.8	37.9	35.3
	73.4	73.0	72.6	71.6	70.4	69.4	65.7	61.8	55.1	51.9	48.9	45.5	43.0	40.2	37.9	35.6
	73.4	72.4	72.0	71.0	69.7	68.4	65.4	62.2	56.1	52.2	49.1	45.9	42.9	40.1	37.1	34.7
	73.4	72.6	71.9	71.3	70.1	69.1	66.0	63.0	57.4	53.4	50.1	46.7	43.7	40.6	37.9	35.1
	73.5	73.5	73.1	72.3	71.7	70.6	68.9	66.8	61.7	57.3	53.5	50.0	46.8	43.6	40.7	37.5
	72.9	72.2	71.0	69.9	68.6	67.4	63.0	58.6	52.6	49.6	47.1	44.9	42.5	40.5	38.7	37.4
	73.1	73.3	72.5	71.8	70.6	69.6	67.2	64.6	59.5	54.7	50.6	47.8	44.4	41.4	38.6	35.8
	73.2	72.8	72.2	71.1	69.8	68.5	65.5	62.8	56.8	52.9	49.7	46.7	43.2	40.3	37.4	34.9
	73.4	72.7	72.3	71.4	70.6	69.2	66.7	64.0	58.9	55.0	51.3	47.8	44.8	41.4	37.6	34.8
	73.6	72.9	72.3	71.7	70.3	69.0	66.8	63.9	58.7	54.9	50.8	47.3	44.2	40.8	37.4	35.5
	73.3	72.6	72.2	71.8	70.9	69.9	67.4	64.6	59.7	56.0	51.9	48.2	44.9	41.9	39.1	36.2
	73.3	73.2	72.4	71.6	71.3	70.1	67.7	65.5	60.9	57.3	53.4	49.4	46.2	42.9	39.6	37.2
	74.3	74.2	73.7	73.6	73.3	72.8	71.8	70.5	65.3	59.9	55.6	50.5	46.8	43.2	40.2	36.9
	73.6	73.1	72.7	72.3	71.3	70.2	68.4	66.1	61.2	56.9	53.5	49.3	46.1	42.7	39.6	36.6
	73.4	73.5	73.0	72.2	71.6	71.0	69.2	66.6	62.2	57.9	53.7	50.0	46.7	43.3	40.4	37.5
	73.9	73.6	73.0	72.4	71.6	71.1	69.0	66.7	62.4	58.1	54.1	50.1	46.7	43.3	40.3	37.3
	74.0	73.5	73.0	72.5	71.6	70.7	69.0	66.8	62.5	58.0	54.2	50.3	46.6	43.5	40.3	37.5
	73.6	73.3	73.1	72.2	71.6	70.6	68.9	66.7	62.5	58.0	54.1	50.2	46.2	43.4	39.8	36.8
	73.6	73.1	72.8	72.3	71.5	70.7	68.4	66.5	62.2	57.7	53.9	50.1	46.4	43.3	40.2	36.8
	72.6	70.6	69.0	66.8	64.6	61.5	55.5	49.3	41.8	38.6	36.7	34.2	32.5	31.1	29.4	27.6
	72.2	69.5	67.7	64.6	61.3	57.5	48.7	40.8	30.2	28.9	27.8	26.6	25.8	24.3	23.9	22.7
	72.5	69.7	68.1	65.6	62.1	59.0	51.6	44.6	35.2	32.7	30.9	29.9	28.4	27.0	25.4	24.9
	73.6	72.9	72.3	71.5	70.4	69.2	66.9	63.8	58.6	54.7	50.9	47.4	44.4	41.5	38.4	35.7
	72.3	69.6	68.4	66.2	63.8	60.7	54.9	48.7	37.7	32.8	30.5	29.3	27.6	26.1	25.3	24.3
	73.5	72.6	72.3	71.1	70.5	69.2	66.8	63.5	58.8	54.9	51.0	47.8	44.5	41.6	38.5	35.7
	71.8	68.4	67.0	64.2	60.5	56.6	48.9	40.4	31.0	29.2	28.4	27.3	25.9	25.1	24.1	23.2
	73.9	72.6	72.4	71.0	70.2	68.9	66.4	63.1	58.0	54.4	50.6	47.2	43.9	41.1	38.1	35.5
	71.8	68.1	66.6	63.4	59.6	55.2	47.1	38.1	26.9	27.7	27.1	26.2	25.3	24.3	23.9	22.8
	73.6	72.8	72.5	71.0	70.4	69.0	66.3	63.5	58.3	54.4	50.7	47.3	44.0	41.1	38.3	35.5
	16.2	16.0	16.2	16.1	15.9	15.9	15.9	15.6	15.7	15.6	15.7	15.5	15.6	15.5	15.5	15.4
	16.4	16.5	16.5	16.3	16.4	16.3	16.4	16.3	16.2	15.9	16.1	16.2	16.2	16.3	16.2	16.0
	8.4	5.6	2.9	1.2	1.1	-2.2	0.6	6.6	27.2	27.1	26.3	25.6	24.6	23.2	22.6	21.8

Average Piezometer Readings, Prototype Feet of Water

.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7	T=720 LC=34.8	T=780 LC=32.3	T=840 LC=29.8	T=900 LC=27.3	T=1020 LC=23.4	T=1260 LC=18.3	T=1500 LC=16.1	T=1740 LC=16.0
	52.7	49.4	46.1	43.0	40.0	37.0	34.4	31.9	29.8	27.5	25.7	22.6	18.0	16.2	16.0
	53.9	50.7	47.2	43.8	41.2	37.9	35.5	32.8	30.6	28.4	26.6	23.1	18.2	16.2	16.0
	53.8	50.7	47.0	43.7	40.8	37.9	35.3	33.1	30.3	28.4	26.3	23.1	18.3	16.1	16.0
	51.9	48.9	45.5	43.0	40.2	37.9	35.6	33.3	30.8	28.9	26.9	23.3	19.0	16.4	16.0
	52.2	49.1	45.9	42.9	40.1	37.1	34.7	32.3	30.1	28.1	25.9	22.9	18.3	16.3	16.0
	53.4	50.1	46.7	43.7	40.6	37.9	35.1	32.5	30.5	28.1	26.4	22.7	18.1	16.1	16.0
	57.3	53.5	50.0	46.8	43.6	40.7	37.5	35.0	32.5	30.1	28.4	24.5	19.3	16.6	16.0
	49.6	47.1	44.9	42.5	40.5	38.7	37.4	36.1	34.7	33.4	32.1	29.5	22.7	16.2	16.0
	54.7	50.6	47.8	44.4	41.4	38.6	35.8	33.4	31.1	29.3	27.4	23.8	18.6	16.3	16.0
	52.9	49.7	46.7	43.2	40.3	37.4	34.9	32.2	30.0	28.1	26.0	22.9	18.3	16.3	16.0
	55.0	51.3	47.8	44.8	41.4	37.6	34.8	32.2	29.9	27.8	25.7	22.1	17.5	15.4	16.0
	54.9	50.8	47.3	44.2	40.8	37.4	35.5	33.2	30.4	28.6	26.4	23.0	18.3	16.1	16.0
	56.0	51.9	48.2	44.9	41.9	39.1	36.2	33.6	31.1	29.0	26.6	23.5	18.5	16.5	16.0
	57.3	53.4	49.4	46.2	42.9	39.6	37.2	34.5	32.2	29.7	27.6	23.9	18.6	16.3	16.0
	59.9	55.6	50.5	46.8	43.2	40.2	36.9	34.1	31.4	29.1	27.0	23.4	18.3	16.2	16.0
	56.9	53.5	49.3	46.1	42.7	39.6	36.6	34.1	31.5	29.0	27.1	23.7	18.6	15.9	16.0
	57.9	53.7	50.0	46.7	43.3	40.4	37.5	34.4	32.3	29.9	27.7	24.1	18.8	16.4	16.0
	58.1	54.1	50.1	46.7	43.3	40.3	37.3	34.5	32.1	29.5	27.5	23.8	18.7	16.1	16.0
	58.0	54.2	50.3	46.6	43.5	40.3	37.5	34.3	31.9	29.7	27.4	23.6	18.5	16.1	16.0
	58.0	54.1	50.2	46.2	43.4	39.8	36.8	34.4	31.7	29.7	27.4	23.5	18.6	16.2	16.0
	57.7	53.9	50.1	46.4	43.3	40.2	36.8	34.2	31.9	29.6	27.1	23.6	18.3	16.2	16.0
	38.6	36.7	34.2	32.5	31.1	29.4	27.6	26.2	24.4	23.5	22.3	20.4	17.5	16.2	16.0
	28.9	27.8	26.6	25.8	24.3	23.9	22.7	22.3	21.2	20.3	19.6	18.6	16.7	15.9	16.0
	32.7	30.9	29.9	28.4	27.0	25.4	24.9	23.7	22.5	21.6	20.6	19.0	16.9	15.9	16.0
	54.7	50.9	47.4	44.4	41.5	38.4	35.7	33.1	30.6	28.8	26.3	23.3	18.4	16.1	16.0
	32.8	30.5	29.3	27.6	26.1	25.3	24.3	23.6	22.4	21.5	20.5	19.0	16.9	16.0	16.0
	54.9	51.0	47.8	44.5	41.6	38.5	35.7	33.0	31.0	28.7	26.8	23.4	18.5	16.3	16.0
	29.2	28.4	27.3	25.9	25.1	24.1	23.2	22.3	21.5	20.7	20.0	18.6	17.0	16.0	16.0
	54.4	50.6	47.2	43.9	41.1	38.1	35.5	32.8	30.6	28.5	26.2	23.1	18.3	16.3	16.0
	27.7	27.1	26.2	25.3	24.3	23.9	22.8	22.1	21.5	21.0	20.3	19.2	17.8	16.5	16.0
	54.4	50.7	47.3	44.0	41.1	38.3	35.5	32.9	30.9	28.4	26.3	23.2	18.3	16.2	16.0
	15.6	15.7	15.5	15.6	15.5	15.5	15.4	15.6	15.5	15.5	15.7	15.5	15.7	16.0	16.0
	15.9	16.1	16.2	16.2	16.3	16.2	16.0	16.1	16.1	15.9	16.1	16.2	15.8	16.2	16.0
	27.1	26.3	25.6	24.6	23.2	22.6	21.8	21.2	20.4	19.7	19.3	17.9	16.7	16.4	16.0

Table A34 (Concluded)

Piezometer Location													
No.	Station	Elevation	T=0 LC=74.0	T=15 LC=73.7	T=30 LC=73.8	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	
140	29+37.3	-20.0	16.0	17.0	14.2	10.4	8.0	6.1	3.8	3.8	2.6	8.2	
141	29+70.0	-20.0	16.0	17.5	16.5	15.5	16.0	14.0	11.3	14.0	11.2	17.9	
141A	29+70.0	-20.0	16.0	16.1	16.1	16.1	16.0	16.2	16.1	16.3	16.2	16.1	
142	30+10.0	-20.0	16.0	16.1	16.3	16.3	16.1	16.1	16.5	16.4	16.3	16.2	
143	30+57.9	-27.0	16.0	16.1	16.1	16.4	16.1	16.3	16.3	16.2	16.3	16.1	
144	30+66.4	-27.0	16.0	15.9	16.1	16.3	16.1	16.0	16.1	16.1	16.1	15.9	
145	30+14.4	-27.0	16.0	16.5	16.1	16.5	16.6	16.5	16.4	16.3	15.9	15.2	
146	30+22.9	-27.0	16.0	16.6	16.7	17.0	17.7	18.4	19.4	20.2	21.5	23.2	2
147	30+23.9	-34.0	16.0	16.2	16.4	16.6	17.1	17.4	17.6	17.7	18.6	19.5	2
148	30+23.9	-34.0	16.0	16.3	16.5	16.7	17.0	17.5	17.9	18.1	18.7	20.0	2
149	30+23.9	-34.0	16.0	15.9	16.1	16.2	16.2	16.5	16.7	16.9	17.7	18.1	
150	30+23.9	-34.0	16.0	15.8	16.1	16.5	16.8	17.7	18.8	19.6	20.7	23.0	2
151	30+23.9	-34.0	16.0	16.2	16.3	16.8	17.4	18.2	19.4	21.0	22.0	24.1	2
152	30+67.4	-34.0	16.0	16.2	16.1	16.3	16.1	16.2	16.1	16.1	16.2	16.3	1
153	30+67.4	-34.0	16.0	16.0	16.0	16.0	16.1	16.0	16.1	16.0	16.1	16.1	1
154	30+67.4	-34.0	16.0	15.9	16.1	15.9	16.1	16.2	16.1	16.2	15.9	16.0	1
155	30+67.4	-34.0	16.0	16.3	16.3	16.4	16.3	16.3	16.5	16.4	16.3	16.3	1
156	30+67.4	-34.0	16.0	16.4	16.3	16.3	16.7	16.7	16.7	17.1	17.1	17.5	1
157	30+16.8	-29.5	16.0	16.0	16.1	15.8	15.4	15.6	15.9	15.4	13.4	12.7	1
158	30+31.0	-29.5	16.0	15.8	15.9	15.7	15.6	15.5	14.7	14.3	13.7	11.0	9
159	30+60.3	-29.5	16.0	16.1	16.2	16.1	16.1	16.2	16.2	16.3	15.9	16.0	1
160	30+74.5	-29.5	16.0	16.0	16.0	15.9	16.1	15.9	16.1	16.1	15.9	15.9	1
161	22+57.6	-24.0	74.0	73.9	72.2	72.6	71.0	70.0	68.2	66.0	63.6	59.3	5
162	22+57.6	-26.4	74.0	73.8	72.3	72.6	71.1	70.1	68.4	66.5	64.1	59.3	5
163	22+60.6	-24.0	74.0	73.6	71.8	72.5	70.8	69.8	68.4	66.1	63.7	59.1	5
164	22+60.6	-26.4	74.0	73.9	72.3	72.2	70.9	70.0	68.1	65.6	63.0	58.3	5
165	29+25.8	-32.3	16.0	17.1	8.2	4.8	-0.7	-4.3	-8.1	-10.2	-14.1	-9.4	-(
166	29+26.8	-33.0	16.0	17.1	14.1	10.6	8.1	6.6	4.6	4.0	3.1	8.4	1
167	29+31.8	-33.7	16.0	17.0	13.9	10.6	8.0	6.1	4.0	3.7	2.6	8.7	1

Average Piezometer Readings, Prototype Feet of Water

	T=45 LC=73.7	T=60 LC=73.1	T=75 LC=72.8	T=90 LC=72.7	T=105 LC=71.7	T=120 LC=71.3	T=150 LC=69.8	T=180 LC=67.6	T=240 LC=63.7	T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7
	10.4	8.0	6.1	3.8	3.8	2.6	8.2	16.7	24.0	23.7	23.2	22.8	22.0	21.5	21.2	20.5
	15.5	16.0	14.0	11.3	14.0	11.2	17.9	22.1	24.9	24.4	24.1	23.1	22.5	21.7	21.1	20.5
	16.1	16.0	16.2	16.1	16.3	16.2	16.1	16.1	16.0	15.9	16.0	16.2	16.0	16.0	16.1	16.1
	16.3	16.1	16.1	16.5	16.4	16.3	16.2	16.1	16.3	16.0	16.1	16.1	15.9	16.1	16.3	16.2
	16.4	16.1	16.3	16.3	16.2	16.3	16.1	16.3	16.0	16.1	16.1	16.0	16.0	16.2	16.1	16.0
	16.3	16.1	16.0	16.1	16.1	16.1	15.9	15.9	15.8	15.8	16.0	16.0	15.9	15.9	16.0	15.9
	16.5	16.6	16.5	16.4	16.3	15.9	15.2	14.4	11.7	11.1	12.7	13.4	13.3	13.9	14.3	14.4
	17.0	17.7	18.4	19.4	20.2	21.5	23.2	25.1	24.7	23.6	23.4	23.0	21.9	21.4	21.0	20.1
	16.6	17.1	17.4	17.6	17.7	18.6	19.5	21.4	21.8	21.6	21.2	21.0	21.0	20.2	19.9	19.3
	16.7	17.0	17.5	17.9	18.1	18.7	20.0	21.5	21.8	22.2	21.5	21.3	20.8	20.1	19.7	19.4
	16.2	16.2	16.5	16.7	16.9	17.7	18.1	19.3	20.3	20.4	20.0	19.8	19.6	19.2	19.0	18.6
	16.5	16.8	17.7	18.8	19.6	20.7	23.0	24.9	27.2	26.4	25.2	24.6	23.8	22.9	22.2	21.5
	16.8	17.4	18.2	19.4	21.0	22.0	24.1	26.6	26.5	26.0	25.4	24.1	23.6	22.6	22.3	21.7
	16.3	16.1	16.2	16.1	16.1	16.2	16.3	16.5	16.1	16.0	16.2	16.0	16.1	16.2	16.1	16.0
	16.0	16.1	16.0	16.1	16.0	16.1	16.1	16.0	15.8	15.8	15.8	15.8	15.9	15.9	16.0	15.8
	15.9	16.1	16.2	16.1	16.2	15.9	16.0	15.8	15.7	15.7	15.7	15.6	15.8	15.7	15.9	15.9
	16.4	16.3	16.3	16.5	16.4	16.3	16.3	16.2	16.3	16.1	16.1	16.0	16.2	15.9	16.3	15.9
	16.3	16.7	16.7	16.7	17.1	17.1	17.5	17.7	18.1	18.3	18.1	18.0	17.5	17.7	17.6	17.5
	15.8	15.4	15.6	15.9	15.4	13.4	12.7	13.0	4.2	3.6	5.8	6.4	7.4	9.6	10.3	11.7
	15.7	15.6	15.5	14.7	14.3	13.7	11.0	9.7	9.7	10.9	11.3	11.9	12.5	13.1	13.4	14.1
	16.1	16.1	16.2	16.2	16.3	15.9	16.0	15.7	15.9	15.5	15.6	15.8	15.9	15.9	15.9	15.9
	15.9	16.1	15.9	16.1	16.1	15.9	15.9	16.0	15.7	15.7	15.9	15.9	15.8	15.9	15.8	15.9
	72.6	71.0	70.0	68.2	66.0	63.6	59.3	53.4	46.7	44.3	40.9	38.1	35.9	33.6	32.0	29.8
	72.6	71.1	70.1	68.4	66.5	64.1	59.3	54.2	46.7	44.0	41.0	38.5	36.1	34.0	32.2	29.8
	72.5	70.8	69.8	68.4	66.1	63.7	59.1	53.0	46.3	44.3	40.5	38.4	35.6	34.1	31.9	29.9
	72.2	70.9	70.0	68.1	65.6	63.0	58.3	52.3	45.1	42.4	39.0	36.7	34.3	32.8	31.2	29.8
	4.8	-0.7	-4.3	-8.1	-10.2	-14.1	-9.4	-0.7	20.2	20.9	20.7	20.6	20.1	19.5	19.1	18.9
	10.6	8.1	6.6	4.6	4.0	3.1	8.4	16.7	24.4	23.8	23.3	22.7	22.0	21.0	20.6	19.5
	10.6	8.0	6.1	4.0	3.7	2.6	8.7	16.7	24.0	23.8	23.6	23.0	22.3	21.7	21.4	21.0

Average Piezometer Readings, Prototype Feet of Water

T=300 LC=59.4	T=360 LC=55.2	T=420 LC=51.4	T=480 LC=47.6	T=540 LC=44.4	T=600 LC=40.7	T=660 LC=37.7	T=720 LC=34.8	T=780 LC=32.3	T=840 LC=29.8	T=900 LC=27.3	T=1020 LC=23.4	T=1260 LC=18.3	T=1500 LC=16.1	T=1740 LC=16.0
23.7	23.2	22.8	22.0	21.5	21.2	20.5	20.2	19.5	19.0	18.6	18.1	16.6	16.2	16.0
24.4	24.1	23.1	22.5	21.7	21.1	20.5	19.9	19.5	18.9	18.7	17.8	16.5	16.0	16.0
15.9	16.0	16.2	16.0	16.0	16.1	16.1	15.9	16.1	15.8	16.0	15.9	15.8	15.9	16.0
16.0	16.1	16.1	15.9	16.1	16.3	16.2	16.2	16.2	16.1	16.2	16.2	16.1	16.1	16.0
16.1	16.1	16.0	16.0	16.2	16.1	16.0	16.1	16.0	16.3	16.0	16.2	16.3	16.3	16.0
15.8	16.0	16.0	15.9	15.9	16.0	15.9	15.9	15.9	16.0	15.9	16.0	16.0	15.8	16.0
11.1	12.7	13.4	13.3	13.9	14.3	14.4	14.9	15.2	15.6	15.5	15.9	16.0	16.0	16.0
23.6	23.4	23.0	21.9	21.4	21.0	20.1	19.8	19.3	18.8	18.3	17.8	16.5	16.1	16.0
21.6	21.2	21.0	21.0	20.2	19.9	19.3	18.7	18.3	18.1	17.7	17.1	16.4	16.1	16.0
22.2	21.5	21.3	20.8	20.1	19.7	19.4	19.1	18.8	18.2	17.9	17.3	16.5	16.0	16.0
20.4	20.0	19.8	19.6	19.2	19.0	18.6	18.3	18.1	17.6	17.8	17.2	16.2	15.9	16.0
26.4	25.2	24.6	23.8	22.9	22.2	21.5	20.7	20.1	19.6	19.1	18.3	16.9	16.1	16.0
26.0	25.4	24.1	23.6	22.6	22.3	21.7	20.8	20.2	19.5	18.9	18.2	16.9	16.3	16.0
16.0	16.2	16.0	16.1	16.2	16.1	16.0	16.1	16.2	16.3	16.2	16.2	16.2	16.2	16.0
15.8	15.8	15.8	15.9	15.9	16.0	15.8	15.9	16.0	15.8	15.6	15.8	15.9	15.9	16.0
15.7	15.7	15.6	15.8	15.7	15.9	15.9	15.6	15.9	15.9	15.9	15.9	15.9	16.1	16.0
16.1	16.1	16.0	16.2	15.9	16.3	15.9	16.1	16.3	16.1	16.0	16.1	16.0	16.0	16.0
18.3	18.1	18.0	17.5	17.7	17.6	17.5	17.1	16.9	16.7	16.7	16.6	16.3	15.9	16.0
3.6	5.8	6.4	7.4	9.6	10.3	11.7	10.9	12.6	13.0	13.4	14.5	15.7	16.0	16.0
10.9	11.3	11.9	12.5	13.1	13.4	14.1	14.5	14.5	14.9	15.1	15.6	15.8	15.8	16.0
15.5	15.6	15.8	15.9	15.9	15.9	15.9	15.7	15.7	15.8	15.8	16.1	16.0	16.1	16.0
15.7	15.9	15.9	15.8	15.9	15.8	15.9	15.9	16.1	16.0	16.1	16.1	16.1	16.1	16.0
44.3	40.9	38.1	35.9	33.6	32.0	29.8	27.8	26.6	25.0	23.1	20.5	17.6	15.9	16.0
44.0	41.0	38.5	36.1	34.0	32.2	29.8	28.4	26.8	25.0	23.9	21.2	17.9	16.4	16.0
44.3	40.5	38.4	35.6	34.1	31.9	29.9	28.4	26.8	24.7	23.2	21.0	17.7	15.8	16.0
42.4	39.0	36.7	34.3	32.8	31.2	29.8	28.4	27.3	25.8	24.9	22.6	19.7	17.1	16.0
20.9	20.7	20.6	20.1	19.5	19.1	18.9	18.6	18.2	17.9	17.9	17.2	16.1	16.1	16.0
23.8	23.3	22.7	22.0	21.0	20.6	19.5	19.2	19.2	18.2	17.7	17.1	16.6	15.5	16.0
23.6	23.6	23.0	22.3	21.7	21.4	21.0	20.7	19.4	19.2	18.8	17.8	16.6	16.2	16.0

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington, DC 20503.

1. AGENCY USE ONLY *(Leave blank)*	2. REPORT DATE	3. REPORT TYPE AND DATES COVERED
	September 1996	Final report

4. TITLE AND SUBTITLE
Navigation Lock for Bonneville Dam, Columbia River, Oregon; Volume I: Main Text; Volume II: Appendix A, Pressures During Lock Operations

5. FUNDING NUMBERS

6. AUTHOR(S)
Richard L. Stockstill, John F. George

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
U.S. Army Engineer Waterways Experiment Station
3909 Halls Ferry Road, Vicksburg, MS 39180-6199

8. PERFORMING ORGANIZATION REPORT NUMBER
Technical Report HL-96-13

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)
U.S. Army Engineer District, Portland
P.O. Box 2946, Portland, OR 97208-2946

10. SPONSORING/MONITORING AGENCY REPORT NUMBER

11. SUPPLEMENTARY NOTES
A limited number of copies of Appendix A were published under separate cover. Copies of this report and Appendix A are available from National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161.

12a. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution is unlimited.

12b. DISTRIBUTION CODE

13. ABSTRACT ***(Maximum 200 words)***

Tests were conducted on two different 1:25-scale models of the New Bonneville Lock located on the Columbia River in Oregon. The lock models were built to study the filling and emptying systems, which consisted of designs utilizing bottom longitudinal floor culverts. The first design studied, defined as the H-H pattern system, consisted of four longitudinal flood culverts in each end of the lock chamber. The second system studied had two longitudinal floor culverts in each end of the lock chamber and was defined as the H pattern system.

In the H-H pattern system, the filling culverts, which were located under the lock chamber floor, connected to a crossover culvert with a horizontal splitter wall dividing the flow to upstream and downstream splitter manifolds were equal divisions led into four longitudinal flood culverts in each end of the lock chamber. With the type 6 (recommended) design and a 1-min valve opening time, the lock chamber filled in 8.7 min and emptied in 12.1 min. Due to differences in friction losses, the prototype can be expected to fill and empty about 20 percent faster than the model (7.0 min and 9.7 min, respectively). Modifications involving installing a slope in the lower sill and a v-notch design in the high sill were significant factors that resulted in fast filling and emptying times, low hawser forces, and only minor movement with various tow arrangements for different operating scenarios.

(Continued)

14. SUBJECT TERMS
Bonneville Lock
Columbia River (OR)
Hydraulic models
Locks

15. NUMBER OF PAGES
Vol I - 179, Vol II - 218

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
UNCLASSIFIED	UNCLASSIFIED		

13. (Concluded).

In the H pattern system, the culverts outside the lock walls connected to a crossover culvert with a horizontal splitter wall dividing the flow to upstream and downstream tuning forks where equal divisions led into the two longitudinal floor culverts in each end of the lock chamber. With the type 36 (recommended) design, upstream approach flow conditions in the vicinity of the intakes were satisfactory and vortex-free. With the type 14 (recommended) design filling and emptying system and a 1-min valve opening time, the lock chamber filled in 10.3 min and emptied in 13.8 min. The development of the type 14 design is summarized in the chart on page 30. Due to differences in friction losses, the prototype can be expected to fill and empty about 15 percent faster than the model (8.8 min and 11.7 min, respectively). The unsymmetrical baffling arrangement and the slope placed on the lower sill were the key factors that resulted in low hawser and minor movement of free tows during fast filling.

Both the H-H pattern and H pattern systems developed are particularly desirable for high-lift locks because they are insensitive to misoperation. That is, fast operation, nonsynchronous operaqtion, or intermittent stopping of the valves during the opening cycle does not create dangerous surges in the lock chamber.