INSTALLATION RESTORATION PROGRAM (IRP) SITE INVESTIGATION REPORT FOR IRP SITE NO.4

VOLUME III APPENDICES D-I

128th AIR REFUELING WING
WISCONSIN AIR NATIONAL GUARD
GENERAL BILLY MITCHELL FIELD
AIR NATIONAL GUARD BASE
MILWAUKEE, WISCONSIN

MARCH 1996



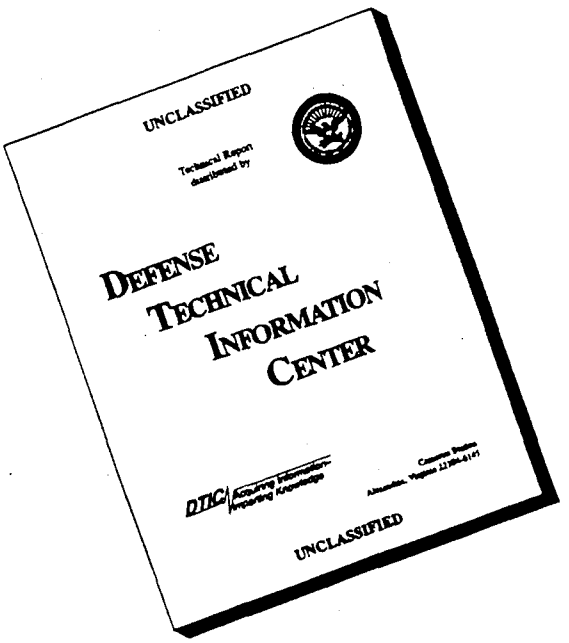
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13. ABSTRACT (Maximum 200 words)

Site Investigation Report for IRP Site No. 4, Wisconsin Air National Guard, 128th Air Refueling Wing, General Billy Mitchell Field, Milwaukee, Wisconsin, Volume III - Appendices D-I. This is the third volume of a three volume site investigation report. One site (Site 4 - Base Drainage Ditch) was investigated under the Installation Restoration Program. Soil and groundwater samples were collected and analyzed. A Remedial Investigation was recommended to (1) further delineate the impacted soil and groundwater in the southern/southwestern area of the base and the area of Bailey's Pond, (2) determine background conditions for the soil and groundwater in the area, and (3) evaluate potential sources of contamination in the soils near Buildings 107 and 108.

14. SUBJECT TERMS
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INSTALLATION RESTORATION PROGRAM (IRP) SITE INVESTIGATION REPORT FOR IRP SITE NO.4

VOLUME III APPENDICES D-I

128th AIR REFUELING WING
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AIR NATIONAL GUARD BASE
MILWAUKEE, WISCONSIN

MARCH 1996

Prepared For

HQ ANG/CEVR
ANDREWS AFB, MARYLAND

Prepared By

Operational Technologies Corporation
4100 N.W. Loop 410, Suite 230
San Antonio, Texas 78229-4253
(210) 731-0000

1315-139

APPENDIX D

BORING LOGS

BILLY MITCHELL SI

WISCONSIN ANGB

OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-001PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/21/94**	**Surface Elevation:**	**664.1 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, organic silty clay, blocky, soft, black, dry, slight organic odor, roots.	0.0	-	-	-
	- - -	100			Clay, blocky, light brown, slightly moist, some organics with roots.	0.0	-	ND	ND
5	- - -	100			- wet at 6.0 ft.	0.0	-	41.0	40.0
					Boring Not Sampled From 7.0-10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-002PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**K. Merino**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/20/94**	**Surface Elevation:**	**664.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	-				Clay, organic, blocky, soft, dark gray to black, moist, organic odor, abundant roots.	0.0	0.0	-	-
	-				Clay, sandy.	0.0	0.0	3	ND
	-								
	-								
	-								
5									
	-					1.8	0.0	6.0	3.0
	-								
	-				- wet at 6.0 ft.				
					Boring Not Sampled From 7.0-10.0 ft. BLS.				
10									
					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-003PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**K. Merino**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/20/94**	**Surface Elevation:**	**664.1 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Clay, silty, organic, soft, dark brown to black, slight moist, organic odor.	138	8.9	3.0	ND
5	- - -				Clay, blocky, soft, brown, wet, no odor.	28.3	26.1	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-004PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	**ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, clay, some gravel, soft, black.	3.0	-	-	-
					Clay, silty with gravel, firm, dark brown, wet at 2.5 ft.	12.8	-	ND	ND
					Clay, silty, firm, yellow brown to dark brown, wet.	-	-	-	-
5									
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-005PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/21/94**	**Surface Elevation:**	**663.5 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, silty clay, dark brown, slightly moist with roots.	0.0	-	-	-
	- - - - -	100			Clay, slightly organic, dark brown, roots.	0.0	0.0	ND	ND
5	- - -	100			- gray - slightly moist.	0.0	0.0	26.0	8.0
					Boring Not Sampled From 7.0- 10.0 ft.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-006PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**4.66 ft.**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/21/94**	**Surface Elevation:**	**664.7 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - - -	100			Fill, sand with some organics and roots, brown, slightly moist.	-	-	-	-
					Sand, silty, some clay, dry, black.	0.0	0.0	ND	ND
5	- - -	100			- gray color, wet.	0.0	0.0	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-007PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**12.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/24/94**	**Surface Elevation:**	**667.2 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -	100			Fill, clay, black to light brown, dry, some roots.				
					Clay, brown, slightly moist to dry.	0.0	0.0	ND	ND
5	- - -	20				0.0	0.0	ND	ND
	- - -	10			Clay, slightly sandy, black, dry.	0.0	0.0	-	-
10	- - -	10			Clay, with minor shells, dark gray, moist.	-	-	-	-
					Boring Terminated at 12.0 ft.				
15									
20									

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LOG OF BORING 04-008PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**15.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/24/94**	**Surface Elevation:**	**667.8 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- -				Fill, clay, light brown, dry, with roots.	2.1	-	-	-
	- - - -	100			Clay, some gravel, dry, hard, light brown, roots.	3.8	1.3	ND	ND
5	- - -	20			Clay, soft, light brown, slightly moist.	6.0	0.8	ND	9.0
	- - -	60			- gray color.	13.3	74.2	1.0	ND
10					Boring Not Sampled From 10.0- 15.0 ft. BLS.				
15					Boring Terminated at 15.0 ft.				
20									

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LOG OF BORING 04-009PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/24/94**	**Surface Elevation:**	**667.9 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, silty clay, brown, roots.	0.0	0.0	-	-
		100			Clay, trace of gravel, hard, brown, dry.	0.0	240.0	1.0	ND
					No Recovery.	3.5	-	-	-
5		80			Clay, soft, dark gray with mottled brown, slightly moist.	60.1	3032	1.0	ND
					Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-010PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/25/94**	**Surface Elevation:**	**668.5 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, clay, brown, dry, roots.	0.5	4.1	-	-
		40			Clay, trace of sand, black, dry, roots.	6.1	0.3	1.0	1.0
		60			Clay, soft, light gray with mottled brown, slightly moist.	1.3	0.4	ND	ND
5		100			5.0- 5.4 ft. hard, soft below, gray color.	1.3	3.0	ND	ND
		100			- moist at 8.0 ft.	1.8	3.6	ND	ND
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-011PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/01/94**	**Surface Elevation:**	**668.8 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - - -				Clay, silty loam, dark brown to yellowish-brown roots, dry.	-	-	-	-
					Silt, clayey, dense, light olive brown.	2.4	-	54.0	37.0
5	- - -					2.8	-	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					- dry.				
					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-012PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/01/94**	**Surface Elevation:**	**699.8 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	-				Fill, silt and clay, dark brown to brown.	2.6	-	-	-
	-					3.2	-	16.0	2.0
	-								
	-								
	-								
	-								
5	-	33				2.0	-	114.0	107.0
	-								
	-								
					Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-013PS

Project No.:	1315-139	**Sampling Method:**	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	**Depth Drilled:**	10.0 ft.
Drilling Co.:	Target Drilling	**Depth To Water:**	NA
Driller:	C. Hawkins	**Date Measured:**	NA
Date Drilled:	11/01/94	**Surface Elevation:**	671.1 ft.
Drilling Method:	Strataprobe		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, clay and silt, dark brown, slightly moist.	-	-	-	-
					Clay, silty, organic, mottled dark brown to yellowish-brown, slightly moist.	3.4	-	10.0	ND
5					Clay, sandy, dark brown, slightly moist.	2.9	-	77.0	27.0
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-014PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/01/94**	**Surface Elevation:**	**670.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Clay, loam, black to brown, some gravel.	0.0	-	-	-
					Silt, clayey, blocky, olive brown, dry.	0.0	0.0	68.0	318.0
5					No Recovery.				
					Silt, clayey, dark gray to brown.	617.0	283.0	111,000	413,000
10					Boring Terminated at 10.0 ft.				
15									
20									

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OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-015PS

Project No.:	1315-139	**Sampling Method:**	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	**Depth Drilled:**	10.0 ft.
Drilling Co.:	Target Drilling	**Depth To Water:**	NA
Driller:	C. Hawkins	**Date Measured:**	NA
Date Drilled:	11/01/94	**Surface Elevation:**	668.3 ft.
Drilling Method:	Strataprobe		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Clay, silty at top, mottled olive and yellow brown, dense, plastic.	0.0	-	-	-
					Clay, plastic, firm, olive, dry.	18.7	-	ND	ND
					Sand, clayey.	-	-	389,000	ND
5					Boring Not Sampled From 5.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-016PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	**668.5 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - -				Silt, clayey, pale olive.	0.2	-	-	-
					Sand, silty, crumbly and dense, dark grayish-brown, moist.	47.3	-	166.0	58.0
5	- - -				No Recovery, reported loose sand, wet.				
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-017PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	**672.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Asphalt.	0.0	-	-	-
					Fill, clay, plastic, dense, dark gray.				
					Clay, plastic, dense, dark gray.	0.0	0.0	-	-
					Silt, clayey, dense, crumbly.	0.0	0.0	ND	ND
5					No Recovery, sampler wet.	-	-		
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-018PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	**671.1 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - - -				Fill, sand, gravel, light brown.	1.3	-		
					Clay, dense, plastic, olive, dry.	3.2	-	1.0	ND
5	- - -				Sand, clayey, cohesive, water at 5.1 ft., heavy petroleum odor.	872.0	-	237,000	13,500
					Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-019PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/27/94**	**Surface Elevation:**	**669.3 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - - -	100			Fill, clay some gravel, soft, brown to gray, dry.	1.6	0.6	-	-
					Clay, sandy, soft, light gray with orange mottling, hydrocarbon odor.	13.2	-	ND	ND
5	- - -	100			Sand, gray, wet, hydrocarbon odor.	1.6	0.5	272.0	26.0
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-020PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/26/94**	**Surface Elevation:**	**670.4 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, clay, gravelly, hard, brown, dry, slight organic odor.	1.0	0.0	-	-
	- - - - -	100			Clay, some gravel and sand, gray to brown, dry.	18.2	42.3	ND	ND
5	- - -	60			Clay, some sand, soft, gray, wet, strong gasoline odor.	229.0	780.0	4,630	801.0
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-021PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/27/94**	**Surface Elevation:**	**672.5 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, clay , some gravel, brown, dry, roots.	1.5	0.0	-	-
	- - - - -	100			Clay, hard, dry, black to gray, roots.	0.0	0.0	ND	ND
5	- - -	100			Sand, coarse-grained to fine-grained, poorly sorted, light brown to gray, wet.	0.0	0.0	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-022PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/27/94**	**Surface Elevation:**	**674.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, clay, brown, slightly moist.	0.0	-	-	-
	- - - - -	60			Sand, slightly clayey, gravel, coarse-grained to fine-grained, poorly sorted, light brown, dry.	0.0	0.0	ND	ND
5	- - -	60			Sand, clayey, some gravel, wet, light brown.	0.0	0.0	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-023PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/26/94**	**Surface Elevation:**	**673.9 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, clay, some gravel, brown, slightly moist.	0.0	-	-	-
		100			Clay, some gravel, brown, dry, some roots.	3.1	0.0	224.0	1.0
		50			Sand, coarse-grained, moderately sorted, brown, slightly moist.	1.2	0.0	34.0	3.0
5		100			Sand, some gravel, medium-grained, moderately sorted, wet.	0.0	0.0	7.0	1.0
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-024PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**5.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	-				Fill, sand and gravel, light brown to yellow brown.	5.4	-	-	-
	-					9.7	-	28.0	13.0
	-								
	-								
	-								
5					Boring Terminated at 5.0 ft.	5.1	-	23.0	5.0
10									
15									
20									

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LOG OF BORING 04-025PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**18.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/28/94**	**Surface Elevation:**	**671.2 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
		60			Fil, clay, gravelly, dry, roots.				
					Sand, slightly clayey, poorly sorted, brown, dry, some angular gravel.	0.0	-	210.0	26.0
		60			Clay, soft, dark greenish-gray, slightly moist.	0.0	0.0	52.0	20.0
5		50			Clay, slightly sandy, poorly sorted, soft, dry, some angular gravel.	0.0	0.0	8.0	5.0
10		80			Clay, hard, dry, gray, some angular gravel.	0.0	0.0	132.0	132.0
					Boring Not Sampled From 12.0- 18.0 ft. BLS.				
15									
					Boring Terminated at 18.0 ft.				
20									

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LOG OF BORING 04-026PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/27/94**	**Surface Elevation:**	**673.6 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, clay, some gravel, dry, black, roots.	0.0	-	-	-
	- - - - -	20			Clay, some gravel, dry, black.	0.0	-	ND	ND
5	- - -	80			Clay, soft, light gray, slightly moist, roots.	0.0	-	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-027PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/26/94**	**Surface Elevation:**	**673.4 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, clay, some gravel, hard, brown, dry.	0.8	0.0	-	-
	- - - - -	10			Clay, soft, brown, slightly moist, roots.	0.0	0.3	8.0	ND
5	- - -	80			Sand, some gravel, medium-grained, poorly sorted, gray, moist.	0.0	0.0	2.0	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-028PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/03/94**	**Surface Elevation:**	**673.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, clay, some gravel, dry, brown.	2.3	-	-	-
	- - - - - -	100			Clay, some gravel, hard, light brown to gray, dry.	143	132	57,800	ND
5	- - -	80			Sand, medium-grained, moderately sorted, gray to black, wet, strong hydrocarbon odor.	1797	1725	169,000	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-029PS

Project No.:	1315-139	**Sampling Method:**	Drive Rod w/Brass Sleeves
Logged By:	Ruben Portales	**Depth Drilled:**	10.0 ft.
Drilling Co.:	Target Drilling	**Depth To Water:**	NA
Driller:	C. Hawkins	**Date Measured:**	NA
Date Drilled:	10/28/94	**Surface Elevation:**	673.7 ft.
Drilling Method:	Strataprobe		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - -				Fill, clay and sand, brown, dry, some gravel and roots.	0.0	-	-	-
		10			Sand, medium-grained, moderately sorted, dry, light brown.	0.0	1.6	9.0	7.0
					Clay, hard, brown, dry.				
5	- - - -	100			- some orange mottling.	0.6	0.8	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS. - wet.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-030PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/28/94**	**Surface Elevation:**	**672.4 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, clay, soft, brown, dry.	2.3	-	-	-
		100			Clay, sandy, medium-grained poorly sorted, light brown, wet.	1.3	1.7	1.0	ND
5		100			- some pebbles.	2.6	3.8	-	-
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-031PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	**673.4 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING			
						PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - -				Fill, sand, clay and silt, dark brown, loose.	5.9	-	-	-
	- - - - -				Silt, clayey, massive, dense, dark olive.	9.7	-	28.0	28.0
5	- - -				Sand, clayey, olive brown, wet.	-	-	39.0	39.0
					Boring Not Sampled From 7.0- 10.0 ft. BLS				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-032PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/02/94**	**Surface Elevation:**	**673.1 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, silt, clayey, dark green to black, gravel.	0.7	-	-	-
					Silt, clay, firm, dense, light olive brown.	13.4	-	5.0	ND
5					No Recovery.	-	-	-	-
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-033PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/03/94**	**Surface Elevation:**	**672.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, sand, clay, silt and gravel, black to yellowish-brown, dry.	0.0	-	-	-
					Clay, silty, yellow brown.	0.0	0.0	2.0	2.0
					Sand, clayey, slightly plastic, yellowish-brown.	0.2	0.0	1.0	1.0
5					No Recovery.	-	-	-	-
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-034PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/03/94**	**Surface Elevation:**	**673.0 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Fill, sand, gravel, light brown.	0.0	-	-	-
					Clay, dense, plastic, olive.	0.0	0.0	6.0	ND
						0.0	0.0	12.0	9.0
5		100			Sand, clayey, poorly sorted, yellowish-brown, cohesive, water at 6.3 ft.	0.0	0.0	1.0	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-035PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/29/94**	**Surface Elevation:**	**670.5 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	- - - - - -	100			Fill, clay, soft, dark gray, roots.	0.0	-	-	-
					Clay, sandy, semi-hard, gray with orange mottling, moist.	0.0	0.0	ND	ND
5	- - -	40			Sand, medium-grained to fine-grained, poorly sorted, gray, wet.	0.0	0.0	ND	ND
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-036PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**10.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**11/03/94**	**Surface Elevation:**	**668.3 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
	-				Clay, silty, dense, plastic, olive to dark brown, dry, roots.	0.0	-	-	-
	-				Clay, silty, dense, gray, wet.	0.0	0.0	2.0	ND
	-				Boring Not Sampled From 3.0- 10.0 ft.				
5									
10					Boring Terminated at 10.0 ft.				
15									
20									

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LOG OF BORING 04-037PS

Project No.:	1315-139	**Sampling Method:**	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	**Depth Drilled:**	10.0 ft.
Drilling Co.:	Target Drilling	**Depth To Water:**	NA
Driller:	C. Hawkins	**Date Measured:**	NA
Date Drilled:	11/03/94	**Surface Elevation:**	671.3 ft.
Drilling Method:	Strataprobe		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Silt, loamy, dark brown, roots.	0.0	-	-	-
					Clay, silty, dense, yellowish-brown.	0.0	-	ND	ND
5					Sand, silty, dominatly coarse-grained, poorly sorted, light yellow-brown.	0.0	-	2.0	2.0
					Boring Not Sampled From 7.0- 10.0 ft. BLS.				
10					Boring Terminated at 10.0 ft.				
15									
20									

BILLY MITCHELL SI

WISCONSIN ANGB

OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-038PS

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**12.0 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/29/94**	**Surface Elevation:**	**673.8 ft.**
Drilling Method:	**Strataprobe**		

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID ppm	ATHA ppm	BTEX ppb	Benzene ppb
					Asphalt.	0.0	-	-	-
					Fill, gravel and concrete mixture, white, dry.	0.0	0.0	18.0	ND
		100			Clay, sandy, soft, brown with mottled orange, dry.				
5		50			Sand, gravelly, coarse-grained, moderately sorted, with coarse-grained angular rock fragments, light brown, slightly moist.	0.0	0.0	ND	ND
10		70			Clay, wet, brown.	0.0	0.0	ND	ND
					- sandy.				
					Boring Terminated at 12.0 ft.				
15									
20									

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LOG OF BORING 04-001PZ

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**12 ft.**
Drilling Co.:	**OSI, Env. Inc.**	**Depth To Water:**	**9.1 ft.**
Driller:	**T Celichowski**	**Date Measured:**	
Date Drilled:	**10/31/94**	**Surface Elevation:**	
Drilling Method:	**Strataprobe**	**TOC Elevation:**	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	- - - - - -				Silt, clayey, loam, slightly plastic, black to dark gray.	-	-	-	-	
					- yellowish-brown at 2.5 ft.	-	-	6,690	ND	
5	- - -				Clay, silty, plastic, dense, olive color.	-	-	ND	ND	
10	- - -				Clay, plastic, dense, wet, light olive brown.	-	-	-	-	
					Boring Terminated at 12.0 ft.					
15										
20										

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OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-002PZ

Project No.:	1315-139	**Sampling Method:**	Drive Rod w/Brass Sleeves
Logged By:	Andrew Raring	**Depth Drilled:**	12 ft.
Drilling Co.:	OSI, Env. Inc.	**Depth To Water:**	NA
Driller:	T Celichowski	**Date Measured:**	NA
Date Drilled:	10/31/94	**Surface Elevation:**	
Drilling Method:	Strataprobe	**TOC Elevation:**	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	- - -				Silt, clayey, dense, black to brown, dry, organic, roots.					
					Clay, silty, dense, brown to dark gray, roots.	0.0	-	263.0	11.0	
5	- - -				- moist.	0.0	-	14.0	ND	
10	- - -				Clay, sandy, plastic, dense, yellowish-brown, damp.	-	-			
					Piezometer Terminated at 12.0 ft.					
15										
20										

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OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-003PZ

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Andrew Raring**	**Depth Drilled:**	**16 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/31/94**	**Surface Elevation:**	
Drilling Method:	**Stratprobe**	**TOC Elevation:**	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
					Clay, silty, loose, friable, dark brown, organic.					
					Clay, firm, plastic, organic, olive color.	233.0	-	ND	ND	
					Clay, silty, slightly plastic, organic, gasoline odor.	653	527	95,000	ND	
5						784.0	187.0	25,500	3,730	
10										
					Sand, clayey, slightly plastic, dark gray, wet.	448.0	-	-	-	
15					Boring Terminated at 16.0 ft.					
20										

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OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-004PZ

Project No.:	**1315-139**	**Sampling Method:**	**Drive Rod w/Brass Sleeves**
Logged By:	**Ruben Portales**	**Depth Drilled:**	**16 ft.**
Drilling Co.:	**Target Drilling**	**Depth To Water:**	**NA**
Driller:	**C. Hawkins**	**Date Measured:**	**NA**
Date Drilled:	**10/28/94**	**Surface Elevation:**	
Drilling Method:	**Stratprobe**	**TOC Elevation:**	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	- - - - -	100			Clay, some gravel, soft, black, dry.	3.0	-	-	-	
						34.1	0.0	ND	ND	
5	- - -	70			Clay, black to gray, slightly moist.	26.1	0.0	ND	ND	
	- - -	70			Sand, medium-grained to fine-grained, poorly sorted, wet, dark gray.	0.7	0.0	ND	ND	
10					Piezometer Terminated at 12.0 ft.					
15										
20										

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OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-001MW

Project No.:	1315-139	**Sampling Method:**	Split Spoon
Logged By:	Andrew Raring	**Depth Drilled:**	19 ft.
Drilling Co.:	OSI, Env. Inc.	**Depth To Water:**	6.24 ft.
Driller:	T Celichowski	**Date Measured:**	12/20/94
Date Drilled:	11/04/94	**Surface Elevation:**	672.7 ft.
Drilling Method:	Hollow Stem Auger	**TOC Elevation:**	675.17 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	-				Fill, gravel.	-	-	-	-	
	-									
	-				Clay, plastic, dense, olive brown.					
	2					-	-	22.0	18.0	
	4									
	5									
	6					-	-	-	-	
	-									
5	-				Sand, clayey, light gray brown.					
	-									
					Monitoring Well Not Sampled From 6.0-19.0 ft. BLS.					
10										
15										
					Boring Terminated at 19.0 ft.					
20										

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WISCONSIN ANGB

OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-002MW

Project No.:	1315-139	**Sampling Method:**	Split Spoon
Logged By:	K. Merino	**Depth Drilled:**	20 ft.
Drilling Co.:	OSI, Env. Inc.	**Depth To Water:**	7.42 ft.
Driller:	T. Celichowski	**Date Measured:**	12/20/94
Date Drilled:	11/07/94	**Surface Elevation:**	670.8 ft.
Drilling Method:	Hollow Stem Auger	**TOC Elevation:**	672.23 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	4 6 8 8	15			Clay, some sand, medium-grained to fine-grained, poorly sorted, dark brown.	0.0	-	1.0	ND	
5	2 1 2 3	45			- very plastic.	-	-	-	-	
10	1 2 2 6	80			- wet, some gravel.	-	-	6.0	ND	
					Monitoring Well Not Sampled From 12.0-20.0 ft. BLS.					
15										
20					Boring Terminated at 20.0 ft.					

BILLY MITCHELL SI

WISCONSIN ANGB

OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-003MW

Project No.:	**1315-139**	**Sampling Method:**	**Split Spoon**
Logged By:	**K. Merino**	**Depth Drilled:**	**19 ft.**
Drilling Co.:	**OSI, Env. Inc.**	**Depth To Water:**	**5.78 ft.**
Driller:	**T Celichowski**	**Date Measured:**	**12/20/94**
Date Drilled:	**11/07/94**	**Surface Elevation:**	**673.56 ft.**
Drilling Method:	**Hollow Stem Auger**	**TOC Elevation:**	

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	2 3 5 7	50			Clay, very sandy, gray to black, dry.	0.0	0.0	1.0	ND	
5	2 7 2 4	50			Clay, slightly sandy, green gray color, slightly moist, strong hydrocarbon odor.	0.0	3.8	1,250	83.0	
10	5 6 7 9	75			Sand, gravelly, dark gray, wet, strong hydrocarbon odor.	1950.0	537.0	364,000	ND	
15										
					Boring Terminated at 19.0 ft.					
20										

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WISCONSIN ANGB

OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-004MW

Project No.:	1315-139	**Sampling Method:**	Split Spoon
Logged By:	Andrew Raring	**Depth Drilled:**	19 ft.
Drilling Co.:	OSI, Env. Inc.	**Depth To Water:**	7.21 ft.
Driller:	T. Celichowski	**Date Measured:**	12/20/94
Date Drilled:	11/04/94	**Surface Elevation:**	673.56 ft.
Drilling Method:	Hollow Stem Auger	**TOC Elevation:**	673.56 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
					Fill, silty loam, brown.					
	3 5 5 6				Clay, silty, light olive gray.	-	-	ND	ND	
	3 3 6				Clay, sandy with interbedded clayey sand, yellow brown to light olive gray, slightly moist.	-	-	ND	ND	
5	8 4 6 8 11				Sand, coarse-grained, moderately sorted, dark yellowish-brown, some mineral grains and fine gravel, slightly moist to wet.	-	-	ND	ND	
10	2 4 6 9					-	-			
					Monitoring Well Not Sampled From 12.0-19.0 ft. BLS.					
15										
					Boring Terminated at 19.0 ft.					
20										

BILLY MITCHELL SI

WISCONSIN ANGB

OPTECH

OPERATIONAL TECHNOLOGIES CORPORATION

LOG OF BORING 04-005MW

Project No.:	1315-139	**Sampling Method:**	Split Spoon
Logged By:	K. Merino	**Depth Drilled:**	20 ft.
Drilling Co.:	OSI, Env. Inc.	**Depth To Water:**	5.92 ft.
Driller:	T. Celichowski	**Date Measured:**	12/20/94
Date Drilled:	11/07/94	**Surface Elevation:**	673.8 ft.
Drilling Method:	Hollow Stem Auger	**TOC Elevation:**	676.20 ft.

Depth (ft.)	Blows/6"	% Recovery	Samples	Graphic	DESCRIPTION OF MATERIALS	FIELD SCREENING PID (ppm)	ATHA (ppm)	BTEX (ppb)	Benzene (ppb)	Monitoring Well
	2	75			Clay, dry, brown, some sand from 1.5- 2.0 ft.	-	-	55.0	5.0	
	4				Clay, occaisional silt and sand, brown to gray, dry.					
	4									
	6									
	3	80				-	-	-	-	
	3									
	7									
5	9	95			Clay, brown, dry to slightly moist, some gravel.	1.0	-	3.0	2.0	
	3									
	5									
	8									
	12									
10	3	100				6.3	-	36.0	11.0	
	3									
	6									
	10									
					Monitoring Well Not Sampled From 12.0-20.0 ft. BLS.					
15										
20					Boring Terminated at 20.0 ft.					

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APPENDIX E

AQUIFER SLUG TEST DATA

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On 11 November, 1994, rising head (slug-out) slug tests were conducted in monitoring wells 04-001MW, 04-002MW, 04-004MW, and 04-005MW at Installation Restoration Program (IRP) Site No. 4 to estimate the hydraulic conductivity of the first water-bearing zone beneath the Billy Mitchell Air National Guard Base (ANGB), Milwaulkee, Wisconsin.

The slug tests were conducted by lowering a solid PVC slug, approximately 1.5 inches in diameter and thirty-two inches in length fully below the water surface in the monitoring wells. Prior to insertion, the slug was decontaminated according to protocols specified in the investigation work plan. Water level displacements effected by the slug were measured with a pressure transducer placed at the bottom of the well and recorded by an automatic data logger. After the data logger indicated that the water level in the well had returned to approximately pre-displacement levels, the slug was rapidly removed from the well, resulting in a drop in water level within the well casing. The water level rise after slug removal was automatically recorded at closely spaced time intervals by the data logger. The tests were terminated when the water levels in the well returned to approximately pre-displacement levels.

Raw data from the slug tests was downloaded in the office to a computer file and analyzed by the Bouwer and Rice Method (Bouwer and Rice, 1976) for unconfined aquifers using the software program "AQTESOLV" Version 2.0 developed by Geraghty and Miller, Inc. The program implements automatic curve matching through nonlinear least-squares parameter estimation in addition to optional visual curve matching for the estimation of aquifer parameters.

The raw data for each slug test with the match curves generated by AQTESOLV are included herein.

SLUG TEST METHODOLOGY

REFERENCE: Bouwer, H. and R.C. Rice, 1976: *A Slug Test Method for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells*, Water Resources research, Vol. 12, No. 3., pp. 423-428.

SOLUTION:

$$\ln So - \ln S_t = \frac{2KLt}{r_c^2 \ln(r_e/r_w)}$$

where:

S_o = initial drawdown in well due to instantaneous removal of water from well [L]

S_t = drawdown in well at time "t" [L]

L = length of saturated well screen interval [L]

r_c = radius of well casing [L]

r_w = radius of well (including filter pack) [L]

$\ln(r_e r_w)$ = empirical "shape factor" determined from reference tables (Bouwer and Rice, 1976)

r_e = equivalent radius over which hydraulic head loss occurs [L]

CRITICAL ASSUMPTIONS:

1) The water-bearing zone is representative of a homogenous, isotropic unconfined aquifer;

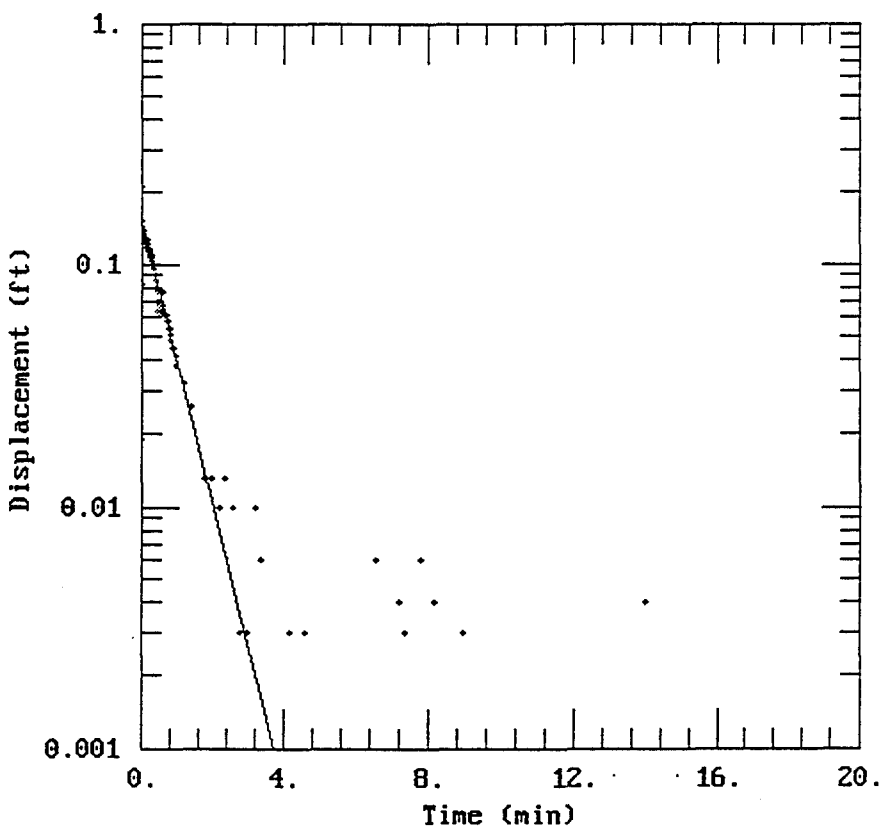
2) Drawdown of the water table around the well is negligible;

3) Groundwater flow above the water table (in the capillary fringe) is negligible; and,

4) Hydraulic head losses as water enters the well (well losses) are negligible.

CLIENT: Air National Guard	COMPANY: Operational Technologies Corp
LOCATION: Billy Mitchell ANGB, Wisconsin	PROJECT: 1315-139

04-004MW SLUG TEST 11/11/94



DATA SET:
MW04_004.DAT
02/10/95

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

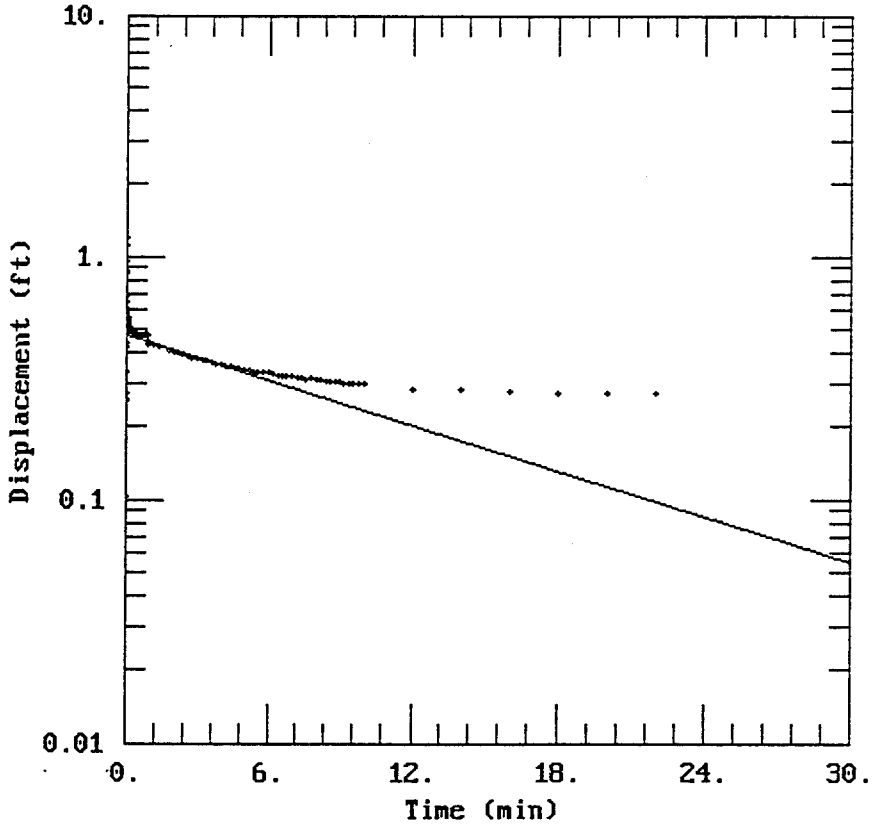
TEST DATA:
H0= 0.13 ft
r_c= 0.083 ft
r_w= 0.667 ft
L = 10. ft
b = 11.58 ft
H = 11.58 ft

PARAMETER ESTIMATES:
K = 0.02802 ft/min
y0 = 0.1487 ft

AQTESOLV

CLIENT: Air National Guard	COMPANY: Operational Technologies Corp
LOCATION: Billy Mitchell ANGB, Wisconsin	PROJECT: 1315-139

04-001MW SLUG TEST 11/11/94



DATA SET:
MW04_001.DAT
02/10/95

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

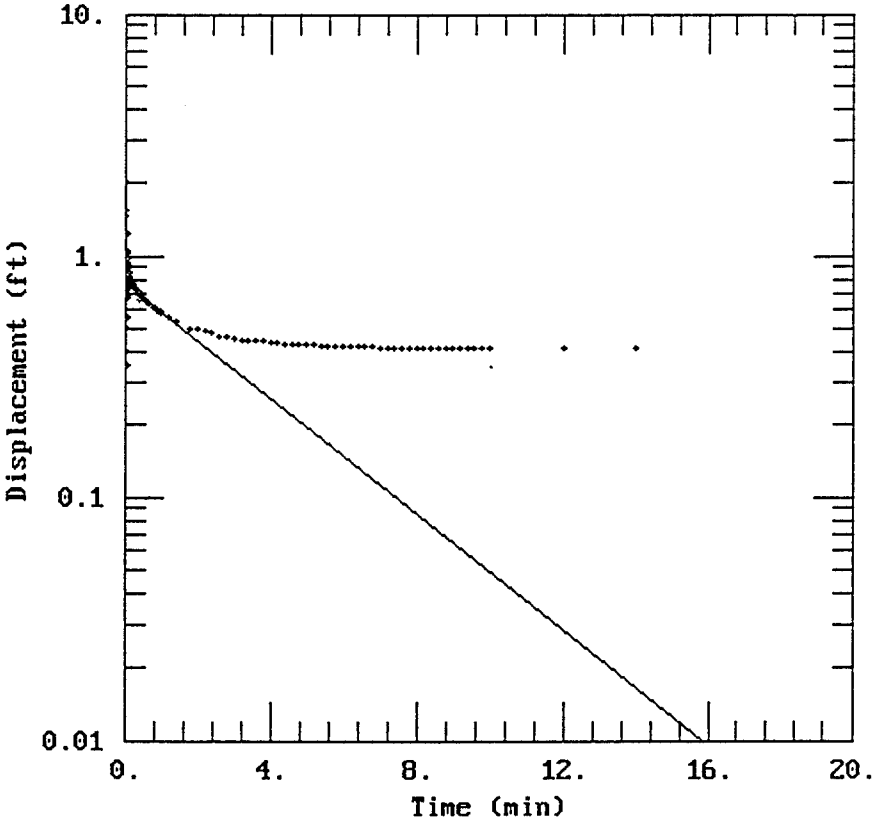
TEST DATA:
H0= 0.333 ft
r_c= 0.083 ft
r_w= 0.667 ft
L = 10. ft
b = 12.83 ft
H = 12.83 ft

PARAMETER ESTIMATES:
K = 0.001549 ft/min
y0 = 0.4746 ft

AQTESOLV

CLIENT: Air National Guard	COMPANY: Operational Technologies Corp
LOCATION: Billy Mitchell ANGB, WISCONSIN	PROJECT: 1315-139

04-002MW SLUG TEST 11/11/94



DATA SET:
MW04_002.DAT
02/10/95

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

TEST DATA:
H0= 0.515 ft
r_c= 0.083 ft
r_w= 0.667 ft
L = 10. ft
b = 11.4 ft
H = 11.4 ft

PARAMETER ESTIMATES:
K = 0.005744 ft/min
y0 = 0.7704 ft

AQTESOLV

Monitoring Well
04-004MW

WPC>

SE1000C
Environmental Logger
11/11 12:33

Unit# 02400 Test 0

INPUT 1: Level (F) TOC

Reference	100.000
Linearity	0.040
Scale factor	10.120
Offset	0.010
Delay mSEC	50.000

Step 0 11/11 09:59:05

Elapsed Time	INPUT 1
0.0000	100.000
0.0033	100.000
0.0066	100.000
0.0100	100.000
0.0133	100.000
0.0166	100.003
0.0200	100.000
0.0233	100.003
0.0266	100.003
0.0300	100.083
0.0333	100.019
0.0366	100.211
0.0400	100.083
0.0433	100.150
0.0466	100.128
0.0500	100.131
0.0533	100.138
0.0566	100.128
0.0600	100.138
0.0633	100.131
0.0666	100.134
0.0700	100.131
0.0733	100.134
0.0766	100.131
0.0800	100.134
0.0833	100.131
0.0866	100.128
0.0900	100.134
0.0933	100.125
0.0966	100.131
0.1000	100.128
0.1033	100.128
0.1066	100.128
0.1100	100.128
0.1133	100.122å
0.1200	100.122
0.1233	100.125
0.1266	100.125
0.1300	100.122

Monitoring Well
04-004MW

0.1333	100.128
0.1366	100.122
0.1400	100.125
0.1433	100.118
0.1466	100.128
0.1500	100.122
0.1533	100.122
0.1566	100.122
0.1600	100.118
0.1633	100.122
0.1666	100.122
0.1700	100.122
0.1733	100.112
0.1766	100.125
0.1800	100.112
0.1833	100.118
0.1866	100.115
0.1900	100.115
0.1933	100.115
0.1966	100.112
0.2000	100.112
0.2033	100.112
0.2066	100.112
0.2100	100.112
0.2133	100.112
0.2166	100.112
0.2200	100.109
0.2233	100.115
0.2266	100.112
0.2300	100.109
0.2333	100.109
0.2366	100.109
0.2400	100.109
0.2433	100.109
0.2466	100.109
0.2500	100.106
0.2533	100.106
0.2566	100.109
0.2600	100.106
0.2633	100.109
0.2666	100.106
0.2700	100.109
0.2733	100.106
0.2766	100.106
0.2800	100.102
0.2833	100.102
0.2866	100.099
0.2900	100.106
0.2933	100.102å
0.3000	100.102
0.3033	100.102
0.3066	100.102
0.3100	100.099
0.3133	100.102
0.3166	100.102
0.3200	100.096
0.3233	100.099
0.3266	100.099
0.3300	100.096
0.3333	100.096

0.3500	100.099
0.3666	100.096
0.3833	100.090
0.4000	100.086
0.4166	100.080
0.4333	100.077
0.4500	100.070
0.4666	100.064
0.4833	100.070
0.5000	100.070
0.5166	100.067
0.5333	100.067
0.5500	100.064
0.5666	100.061
0.5833	100.064
0.6000	100.064
0.6166	100.067
0.6333	100.077
0.6500	100.061
0.6666	100.061
0.6833	100.061
0.7000	100.061
0.7166	100.058
0.7333	100.058
0.7500	100.058
0.7666	100.054
0.7833	100.058
0.8000	100.054
0.8166	100.051
0.8333	100.048
0.8500	100.048
0.8666	100.045
0.8833	100.045
0.9000	100.045
0.9166	100.045
0.9333	100.045
0.9500	100.045
0.9666	100.042
0.9833	100.038
1.0000	100.038
1.2000	100.032
1.4000	100.026å
1.8000	100.013
2.0000	100.013
2.2000	100.010
2.4000	100.013
2.6000	100.010
2.8000	100.003
3.0000	100.003
3.2000	100.010
3.4000	100.006
3.6000	100.000
3.8000	100.000
4.0000	100.000
4.2000	100.003
4.4000	100.000
4.6000	100.003
4.8000	100.000
5.0000	100.000
5.2000	100.000

5.4000	100.000
5.6000	100.000
5.8000	100.000
6.0000	100.000
6.2000	100.000
6.4000	100.000
6.6000	100.006
6.8000	100.000
7.0000	100.000
7.2000	99.996
7.4000	100.003
7.6000	100.000
7.8000	100.006
8.0000	100.000
8.2000	99.996
8.4000	100.000
8.6000	100.000
8.8000	100.000
9.0000	100.003
9.2000	100.000
9.4000	100.000
9.6000	100.000
9.8000	100.000
10.0000	100.000
12.0000	100.000
14.0000	99.996
16.0000	100.000

WPC>

Monitoring Well
04-002MW

SE1000C
Environmental Logger
11/11 15:12

Unit# 02400 Test 1

INPUT 1: Level (F) TOC

Reference	100.000
Linearity	0.040
Scale factor	10.120
Offset	0.010
Delay mSEC	50.000

Step 0 11/11 13:30:41

Elapsed Time	INPUT 1
0.0000	99.408
0.0033	99.408
0.0066	99.408
0.0100	99.408
0.0133	99.408
0.0166	99.408
0.0200	99.728
0.0233	100.451
0.0266	99.753
0.0300	98.393
0.0333	99.958
0.0366	101.030
0.0400	99.990
0.0433	99.030
0.0466	99.744
0.0500	100.538
0.0533	100.042
0.0566	99.356
0.0600	99.680
0.0633	100.230
0.0666	100.019
0.0700	99.558
0.0733	99.680
0.0766	100.045
0.0800	99.974
0.0833	99.673
0.0866	99.699
0.0900	99.932
0.0933	99.926
0.0966	99.737
0.1000	99.724
0.1033	99.868
0.1066	99.884
0.1100	99.772
0.1133	99.744å
0.1200	99.852
0.1233	99.788
0.1266	99.760
0.1300	99.804

Monitoring Well
04-002MW

0.1333	99.827
0.1366	99.792
0.1400	99.766
0.1433	99.792
0.1466	99.811
0.1500	99.788
0.1533	99.769
0.1566	99.785
0.1600	99.798
0.1633	99.779
0.1666	99.766
0.1700	99.772
0.1733	99.785
0.1766	99.776
0.1800	99.766
0.1833	99.769
0.1866	99.776
0.1900	99.772
0.1933	99.766
0.1966	99.763
0.2000	99.766
0.2033	99.766
0.2066	99.763
0.2100	99.760
0.2133	99.760
0.2166	99.763
0.2200	99.760
0.2233	99.756
0.2266	99.756
0.2300	99.756
0.2333	99.753
0.2366	99.753
0.2400	99.753
0.2433	99.753
0.2466	99.750
0.2500	99.750
0.2533	99.747
0.2566	99.747
0.2600	99.747
0.2633	99.747
0.2666	99.744
0.2700	99.740
0.2733	99.744
0.2766	99.740
0.2800	99.737
0.2833	99.737
0.2866	99.737
0.2900	99.737
0.2933	99.734å
0.3000	99.734
0.3033	99.734
0.3066	99.731
0.3100	99.731
0.3133	99.731
0.3166	99.728
0.3200	99.728
0.3233	99.731
0.3266	99.728
0.3300	99.724
0.3333	99.724

Monitoring Well
04-002MW

0.3500	99.721
0.3666	99.718
0.3833	99.712
0.4000	99.664
0.4166	99.686
0.4333	99.683
0.4500	99.676
0.4666	99.673
0.4833	99.670
0.5000	99.670
0.5166	99.664
0.5333	99.660
0.5500	99.657
0.5666	99.654
0.5833	99.651
0.6000	99.648
0.6166	99.648
0.6333	99.641
0.6500	99.638
0.6666	99.638
0.6833	99.632
0.7000	99.628
0.7166	99.628
0.7333	99.625
0.7500	99.619
0.7666	99.619
0.7833	99.616
0.8000	99.612
0.8166	99.609
0.8333	99.606
0.8500	99.603
0.8666	99.603
0.8833	99.600
0.9000	99.596
0.9166	99.593
0.9333	99.590
0.9500	99.593
0.9666	99.590
0.9833	99.587
1.0000	99.584
1.2000	99.558
1.4000	99.536å
1.8000	99.504
2.0000	99.497
2.2000	99.488
2.4000	99.481
2.6000	99.468
2.8000	99.465
3.0000	99.459
3.2000	99.452
3.4000	99.452
3.6000	99.449
3.8000	99.446
4.0000	99.443
4.2000	99.440
4.4000	99.436
4.6000	99.436
4.8000	99.433
5.0000	99.433
5.2000	99.433

5.4000	99.427
5.6000	99.427
5.8000	99.427
6.0000	99.427
6.2000	99.424
6.4000	99.427
6.6000	99.424
6.8000	99.424
7.0000	99.420
7.2000	99.420
7.4000	99.417
7.6000	99.417
7.8000	99.417
8.0000	99.417
8.2000	99.417
8.4000	99.417
8.6000	99.417
8.8000	99.417
9.0000	99.417
9.2000	99.417
9.4000	99.417
9.6000	99.417
9.8000	99.417
10.0000	99.417
12.0000	99.417
14.0000	99.417

WPC>

Monitoring Well
04-001MW

SE1000C
Environmental Logger
11/11 15:16

Unit# 02400 Test 2

INPUT 1: Level (F) TOC

Reference	100.000
Linearity	0.040
Scale factor	10.120
Offset	0.010
Delay mSEC	50.000

Step 0 11/11 14:32:46

Elapsed Time	INPUT 1
0.0000	100.253
0.0033	100.253
0.0066	100.253
0.0100	100.253
0.0133	100.253
0.0166	100.253
0.0200	100.275
0.0233	100.948
0.0266	101.104
0.0300	100.439
0.0333	99.897
0.0366	99.980
0.0400	100.868
0.0433	101.184
0.0466	100.506
0.0500	100.259
0.0533	100.650
0.0566	100.861
0.0600	100.570
0.0633	100.423
0.0666	100.583
0.0700	100.685
0.0733	100.563
0.0766	100.483
0.0800	100.563
0.0833	100.605
0.0866	100.544
0.0900	100.512
0.0933	100.547
0.0966	100.563
0.1000	100.535
0.1033	100.519
0.1066	100.538
0.1100	100.541
0.1133	100.528å
0.1200	100.528
0.1233	100.525
0.1266	100.522
0.1300	100.522

Monitoring Well
04-001MW

0.1333	100.522
0.1366	100.519
0.1400	100.515
0.1433	100.515
0.1466	100.515
0.1500	100.512
0.1533	100.509
0.1566	100.509
0.1600	100.509
0.1633	100.512
0.1666	100.509
0.1700	100.506
0.1733	100.506
0.1766	100.509
0.1800	100.503
0.1833	100.499
0.1866	100.503
0.1900	100.506
0.1933	100.499
0.1966	100.499
0.2000	100.503
0.2033	100.499
0.2066	100.496
0.2100	100.499
0.2133	100.503
0.2166	100.496
0.2200	100.496
0.2233	100.499
0.2266	100.496
0.2300	100.496
0.2333	100.496
0.2366	100.493
0.2400	100.493
0.2433	100.496
0.2466	100.496
0.2500	100.493
0.2533	100.493
0.2566	100.493
0.2600	100.493
0.2633	100.493
0.2666	100.490
0.2700	100.490
0.2733	100.490
0.2766	100.490
0.2800	100.490
0.2833	100.490
0.2866	100.490
0.2900	100.490
0.2933	100.490å
0.3000	100.490
0.3033	100.490
0.3066	100.490
0.3100	100.493
0.3133	100.487
0.3166	100.487
0.3200	100.490
0.3233	100.490
0.3266	100.490
0.3300	100.490
0.3333	100.490

Monitoring Well
04-001MW

0.3500	100.487
0.3666	100.483
0.3833	100.483
0.4000	100.483
0.4166	100.480
0.4333	100.480
0.4500	100.477
0.4666	100.477
0.4833	100.477
0.5000	100.474
0.5166	100.474
0.5333	100.474
0.5500	100.467
0.5666	100.471
0.5833	100.471
0.6000	100.467
0.6166	100.471
0.6333	100.467
0.6500	100.467
0.6666	100.464
0.6833	100.464
0.7000	100.464
0.7166	100.471
0.7333	100.477
0.7500	100.474
0.7666	100.477
0.7833	100.474
0.8000	100.471
0.8166	100.480
0.8333	100.480
0.8500	100.480
0.8666	100.477
0.8833	100.474
0.9000	100.451
0.9166	100.435
0.9333	100.439
0.9500	100.439
0.9666	100.439
0.9833	100.439
1.0000	100.439
1.2000	100.429
1.4000	100.423å
1.8000	100.410
2.0000	100.403
2.2000	100.400
2.4000	100.394
2.6000	100.387
2.8000	100.381
3.0000	100.378
3.2000	100.375
3.4000	100.371
3.6000	100.368
3.8000	100.362
4.0000	100.359
4.2000	100.355
4.4000	100.352
4.6000	100.349
4.8000	100.346
5.0000	100.343
5.2000	100.339

5.4000	100.336
5.6000	100.333
5.8000	100.333
6.0000	100.333
6.2000	100.327
6.4000	100.323
6.6000	100.323
6.8000	100.320
7.0000	100.320
7.2000	100.317
7.4000	100.317
7.6000	100.311
7.8000	100.314
8.0000	100.311
8.2000	100.311
8.4000	100.307
8.6000	100.307
8.8000	100.304
9.0000	100.304
9.2000	100.301
9.4000	100.301
9.6000	100.298
9.8000	100.298
10.0000	100.298
12.0000	100.285
14.0000	100.282
16.0000	100.279
18.0000	100.275
20.0000	100.272
22.0000	100.272

WPC>

Monitoring Well
04-005MW

SE1000C
Environmental Logger
11/11 19:15

Unit# 02400 Test 3

INPUT 1: Level (F) TOC

Reference	100.000
Linearity	0.040
Scale factor	10.120
Offset	0.010
Delay mSEC	50.000

Step 0 11/11 17:01:43

Elapsed Time	INPUT 1
0.0000	103.894
0.0033	103.897
0.0066	103.897
0.0100	103.894
0.0133	103.894
0.0166	103.894
0.0200	103.894
0.0233	103.897
0.0266	104.527
0.0300	105.121
0.0333	104.750
0.0366	103.049
0.0400	103.999
0.0433	105.080
0.0466	104.997
0.0500	104.050
0.0533	103.699
0.0566	104.277
0.0600	104.750
0.0633	104.524
0.0666	104.028
0.0700	103.980
0.0733	104.332
0.0766	104.504
0.0800	104.306
0.0833	104.063
0.0866	104.105
0.0900	104.300
0.0933	104.344
0.0966	104.207
0.1000	104.098
0.1033	104.153
0.1066	104.249
0.1100	104.245
0.1133	104.162å
0.1200	104.159
0.1233	104.204
0.1266	104.188
0.1300	104.140

Monitoring Well
04-005MW

0.1333	104.127
0.1366	104.153
0.1400	104.172
0.1433	104.153
0.1466	104.127
0.1500	104.127
0.1533	104.140
0.1566	104.146
0.1600	104.133
0.1633	104.121
0.1666	104.121
0.1700	104.130
0.1733	104.130
0.1766	104.124
0.1800	104.118
0.1833	104.118
0.1866	104.121
0.1900	104.121
0.1933	104.114
0.1966	104.111
0.2000	104.114
0.2033	104.114
0.2066	104.114
0.2100	104.111
0.2133	104.108
0.2166	104.108
0.2200	104.108
0.2233	104.108
0.2266	104.105
0.2300	104.105
0.2333	104.105
0.2366	104.105
0.2400	104.105
0.2433	104.101
0.2466	104.101
0.2500	104.101
0.2533	104.101
0.2566	104.101
0.2600	104.098
0.2633	104.098
0.2666	104.098
0.2700	104.098
0.2733	104.098
0.2766	104.098
0.2800	104.095
0.2833	104.095
0.2866	104.095
0.2900	104.095
0.2933	104.095å
0.3000	104.095
0.3033	104.095
0.3066	104.095
0.3100	104.095
0.3133	104.092
0.3166	104.092
0.3200	104.092
0.3233	104.089
0.3266	104.089
0.3300	104.092
0.3333	104.092

0.3500	104.092
0.3666	104.089
0.3833	104.089
0.4000	104.086
0.4166	104.086
0.4333	104.086
0.4500	104.082
0.4666	104.079
0.4833	104.079
0.5000	104.079
0.5166	104.079
0.5333	104.076
0.5500	104.076
0.5666	104.076
0.5833	104.076
0.6000	104.076
0.6166	104.076
0.6333	104.076
0.6500	104.076
0.6666	104.076
0.6833	104.073
0.7000	104.073
0.7166	104.073
0.7333	104.073
0.7500	104.073
0.7666	104.070
0.7833	104.073
0.8000	104.073
0.8166	104.070
0.8333	104.073
0.8500	104.070
0.8666	104.070
0.8833	104.070
0.9000	104.070
0.9166	104.070
0.9333	104.070
0.9500	104.070
0.9666	104.070
0.9833	104.070
1.0000	104.070
1.2000	104.057
1.4000	104.057å
1.8000	104.054
2.0000	104.050
2.2000	104.050
2.4000	104.050
2.6000	104.050
2.8000	104.050
3.0000	104.050
3.2000	104.047
3.4000	104.047
3.6000	104.047
3.8000	104.044
4.0000	104.044
4.2000	104.044
4.4000	104.044
4.6000	104.041
4.8000	104.041
5.0000	104.044
5.2000	104.041

Monitoring Well
04-005MW

5.4000	104.041
5.6000	104.041
5.8000	104.041
6.0000	104.038
6.2000	104.041
6.4000	104.038
6.6000	104.038
6.8000	104.038
7.0000	104.038
7.2000	104.038
7.4000	104.038
7.6000	104.034
7.8000	104.034
8.0000	104.034
8.2000	104.034
8.4000	104.034
8.6000	104.031
8.8000	104.031
9.0000	104.031
9.2000	104.031
9.4000	104.031
9.6000	104.031
9.8000	104.028
10.0000	104.028
12.0000	104.025
14.0000	104.022
16.0000	104.018
18.0000	104.015
20.0000	104.009
22.0000	104.006
24.0000	104.002
26.0000	103.999
28.0000	103.996
30.0000	103.990
32.0000	103.990å
36.0000	103.983
38.0000	103.980
40.0000	103.977
42.0000	103.974
44.0000	103.974
46.0000	103.970
48.0000	103.967
50.0000	103.964
52.0000	103.961
54.0000	103.958
56.0000	103.954
58.0000	103.954
60.0000	103.951
62.0000	103.948
64.0000	103.948
66.0000	103.948
68.0000	103.945
70.0000	103.938
72.0000	103.938
74.0000	103.935
76.0000	103.932
78.0000	103.932
80.0000	103.932
82.0000	103.929
84.0000	103.926

86.0000	103.922
88.0000	103.919
90.0000	103.919
92.0000	103.916
94.0000	103.916
96.0000	103.905
98.0000	103.905
100.000	103.896

APPENDIX F

CHAIN OF CUSTODY FORMS

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pace INCORPORATED
THE ASSURANCE OF QUALITY

194465

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO, TEXAS 78229
Phone: 210 731-0000

Report To: KATHLEEN MELINO
Bill To: ACCOUNTING DEPT
P.O. # / Billing Reference: 1315-139
Project Name / No.: BILLY MITCHELL ANGB

Pace Client No.:
Pace Project Manager: TRM
Pace Project No.: 94102A-510
*Requested Due Date: 21 TAT

Sampled By (PRINT): R. PORTALES, M. ESCOBAR
Sampler Signature / Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	ICE	ANALYSES REQUEST: VOC/8020	PAH/8310	LEAD/7421	GRO	DRO	LEAD/239.2	REMARKS
1	04-002PS 1'-3'	1530	SOIL	25007.4	7	5				2		✓	✓	✓	✓	✓		BRASS SLEEVES FOR VOC/PAH/LEAD
2	04-002PS 5'-7'	1545	SOIL	25008.2	4	3				1		✓	✓	✓	✓	✓		"
3	04-003PS 1'-3'	1215	SOIL	25009.0	7	5				2		✓	✓	✓	✓	✓		"
4	04-003PS 5'-7'	1230	SOIL	25010.4	4	3				1		✓	✓	✓	✓	✓		"
5	04-003PS-GW	1245	WATER	25011.2	6	1		1			4	✓	✓		✓	✓	✓	
6	TRIP BLANK	—	WATER	25012.0	1						1	✓						
7																		
8																		

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE
—			

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	M. Escobar / OPTECH	[illegible] / PACE	10/24/94	630pm
			10/25/94	1700

Additional Comments

*REFER TO SOW FOR DETECTION LIMITS AND ANALYSIS REQUESTS.

TBLANK = 4.5° C AMA 10/22/94

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace
INCORPORATED
THE ASSURANCE OF QUALITY

194467
C2/3

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Optech
Address: 4100 N.W. Loop 410, Suite 230
San Antonio, TX 78229
Phone: (210) 731-0000

Report To: Kathleen Merino
Bill To: Accounting Dept.
P.O. # / Billing Reference: 315-139
Project Name / No.: Billy Mitchell ANGB

Pace Client No.:
Pace Project Manager: TRM
Pace Project No.: 94102A.570
*Requested Due Date:

Sampled By (PRINT): Ruben Portales
Sampler Signature: Ruben Portales
Date Sampled: 10/21/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	Me OH	HCl	ANALYSES REQUEST: VOC 8020	PAH 8310	LEAD 7421	GRO	DRO	LEAD 239.2	REMARKS
1	04-006 PS 1'-3'	1330	SOIL	25015.9	7	5				2		✓	✓	✓	✓	✓		Brass sleeves for VOC/PAH/LEAD
2	04-006 PS 5'-7'	1345	SOIL	25014.7	5	4				1		✓	✓	✓	✓	✓		
3	04-006 PS-GW	1420	WATER	25015.5	6	1		1			4	✓	✓		✓	✓		
4	04-005 PS-1'-3'	1530	SOIL	25016.3	7	5				2		✓	✓	✓	✓	✓		
5	04-005 PS-5'-7'	1545	SOIL	25017.1	7	5				2		✓	✓	✓	✓	✓		
6	04-002 PS-GW	1015	WATER	25018.0	6	1				1	4	✓	✓		✓	✓		
7	04-001 PS-1'-3'	915	SOIL	25019.8	7	5				2		✓	✓	✓	✓	✓		
8	04-001 PS-5'-7'	940	SOIL	25020.1	7	5				2		✓	✓	✓	✓	✓		

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mel Cook / OPTECH	FEDX	10/21/94	17:40
		Snuffadge / PACE	10/22/94	1700

Additional Comments

* Refer to SOW for detection limits and analysis requests.

Turned over by: [signature] 21Oct94.
Received by:

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

194474
C3/3

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTECH
Address 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone (210) 731-0000

Report To: KATHLEEN MORINO
Bill To: ACCOUNTING DEPT
P.O. # / Billing Reference 1315-139
Project Name / No. BILLY MITCHELL ANGB

Pace Client No.
Pace Project Manager TRM
Pace Project No. 94103450
*Requested Due Date:

Sampled By (PRINT): ROGEN PORTALES
Sampler Signature: [signature] Date Sampled: 10/21/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	HCl	ANALYSES REQUEST: VOA 8020	PAH 8310	LEAD 239.2	BTEX	GRO	REMARKS
1	FIELD BLANK	1220	WATER	25022.8	6	1		1			4	✓	✓	✓	✓	✓	
2	EQUIPMENT BLANK-TUBING	1250	WATER	25023.6	6	1		1			4	✓	✓	✓	✓	✓	
3	EQUIPMENT BLANK-SPOON	1240	WATER	25024.4	6	1		1			4	✓	✓	✓	✓	✓	
4	EQUIPMENT BLANK-BAILER	1250	WATER	25025.2	6	1		1			4	✓	✓	✓	✓	✓	
5	FIELD BLANK-STEAM CLEANER	1230	WATER	25026.0	6	1		1			4	✓	✓	✓	✓		
6																	
7	C-2 COOLER BLANK	25021.0		HOLD	1												
8	C-3 COOLER BLANK	25027.9		HOLD	1												

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature] OPTECH	[signature] FEDX	10/21/94	1730
		[signature] / PACE	10/22/94	1715

Additional Comments
* REFER TO SOW FOR ANALYSIS REQUESTED.
Turned over by [signature] 21Oct'94
Received by _____

194473

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MARINO
Bill To: ACCOUNTING.
P.O. # / Billing Reference: 1315-139
Project Name / No.: BILLY MITCHELL MANGB

Pace Client No.:
Pace Project Manager: TRM
Pace Project No.: 94102S.520
*Requested Due Date: 21 TAT

Sampled By (PRINT): RUBEN PONTALES
Sampler Signature:
Date Sampled: 10/24/94

1 OF 2

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOC-8020	PAH-8310	TOTAL LEAD-239.2	TOTAL LEAD-6010	DRO-WDRO	GRO-WDRO	REMARKS
1	04-005PS-GW	0950	WATER	25789.5	6	1		1		4		✓	✓	✓		✓	✓	
2	04-001PS-GW. (MS)	0835	WATER	25790.9	6	1		1		4		✓	✓	✓		✓	✓	
3	04-007PS-1'-3'	1115	SOIL	25791.7	6	4					2	✓	✓		✓	✓	✓	
4	04-007PS-5'-7'	1330	SOIL	25792.5	4	2					2		✓		✓	✓	✓	NOT ENOUGH SAMPLE RECOVERED.
5	04-008PS-1'-3'	1445	SOIL	25793.3	7	5					2	✓	✓		✓	✓	✓	
6	04-008PS-8'-10'	1510	SOIL	25794.1	4	3					1	✓	✓		✓	✓	✓	NOT ENOUGH SAMPLE RECOVERED.
7	04-009PS-1'-3'	1630	SOIL	25795.0	7	5					2	✓	✓		✓	✓	✓	
8	04-005PS-5'-7'	1650	SOIL	25796.8	6	4					2	✓	✓		✓	✓	✓	NOT ENOUGH SAMPLE RECOVERED.

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible] (OPTECH)	[illegible] PACE	10/24/94	1913
		[illegible] PACE	10/25/94	19:40

Additional Comments:
* FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

19447.0

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTECH
Address 4100 NW LOOP 410 #230
SAN ANTONIO, TEXAS 78229
Phone 210 731-0000

Report To: KATHLEEN MOLINO
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-B139
Project Name / No. BILLY BITTERLE ARCB

Pace Client No.
Pace Project Manager
Pace Project No. 941025.520
*Requested Due Date 21 DAY

Sampled By (PRINT): RUBEN PORTALES
Sampler Signature
Date Sampled 10/24/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: VOC - 8020	REMARKS
1	TRIP BLANK	—	WATER	2579761	1					1		2 OF 2
2												
3												
4												
5												
6												
7												
8												

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Nob Escale (OPTECH)	SM Peake/PACE	10/24/94	1913
			10/25/94	09:40

Additional Comments
* FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

194499
C1/2

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone: (210) 731-0000

Report To: KATHLEEN MELINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: D. MITCHELL ANGB

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94-1026.575
*Requested Due Date:

Sampled By (PRINT): RUBEN PORTALES
Sampler Signature: Ruben Portales
Date Sampled: 10/25/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: VOC/8020	PAH/8310	LEAD/239.2	DRO	GRO	REMARKS
1	DI WATER/FIELD BLANK	1215	WATER	25291.5	6	1		1		4	✓	✓	✓	✓	✓	
2	FOAMER/FIELD BLANK	1300	WATER	25292.1	6	1		1		4	✓	✓	✓	✓	✓	
3	TUBING/EQUIP BLANK	1145	WATER	25295.0	6	1		1		4	✓	✓	✓	✓	✓	
4	SPLIT SPOON/EQUIP BLANK	1240	WATER	25274.8	6	1		1		4	✓	✓	✓	✓	✓	
5	BAILER/EQUIP BLANK	1230	WATER	25298.6	6	1		1		4	✓	✓	✓	✓	✓	SAMPLE REC'D W/CRACKED LID. REPACKED. SMH-10/26/94
6	TRIP BLANK	—	WATER	25296.4	1					1	✓					
7																
8																

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Mark Earle / (OPTECH)		10/25/94	1800
						S.M. Hodge / PACE	10/26/94	0920

Additional Comments

pace INCORPORATED
THE ASSURANCE OF QUALITY

194498
C2/2

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORENO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL ANGB

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94/1026.575
*Requested Due Date:

Sampled By (PRINT): RUBEN FONTALES
Sampler Signature: [signature] Date Sampled: 10/25/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOC 8020	PAH 8310	LEAD 239.2	DRO	GRO	LEAD 6010	REMARKS
1	04-007PS-GW	1720	WATER	25297.2	6	1		1		4		✓	✓	✓		✓	✓	*PAH AND VOA/GRO SAMPLED AT 0845
2	04-009PS-GW	1730	WATER	25298.0	4	1				3		✓	✓	✓		✓	✓	
3	04-008PS-GW	1910	WATER	25299.9	4					4		✓				✓	✓	*DRO SAMPLED AT 1740
4	04-~~00~~010PS-1'-3'	1515	soil	25300.6	5	3					2	✓				✓	✓	*NOT ENOUGH SAMPLE FOR OTHER ANALYSES
5	04-010PS-3'-5' FD	1530	soil	25301.4	6	4					2	✓	✓	✓		✓	✓	*SPLIT SAMPLE FOR PAH AND LEAD.
6	04-010PS-5'-7'	1540	soil	25302.2	7	5					2	✓	✓	✓		✓	✓	
7	04-010PS-8'-10'	1538	soil	25303.0	7	5					2	✓	✓	✓		✓	✓	
8	TRIP BLANK	—	WATER	25304.9	1						1	✓						

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Mark Eccles OPTECH	S. Mattage PACE	10/25/94	1800
							10/26/94	0920

Additional Comments

pace INCORPORATED
THE ASSURANCE OF QUALITY

194469

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: ODTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone: (210) 731-0000

Report To: KATHLEEN MOLINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL AN6B

Pace Client No.
Pace Project Manager: TRM
Pace Project No.: 941027.573
*Requested Due Date: 2 WKS

Sampled By (PRINT): RUBEN PORTALES
Sampler Signature: Ruben Portales
Date Sampled: 10/26/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	ANALYSES REQUEST: VOA 8020	PAH 8310	LEAD 6010	DRO	GRO	REMARKS
1	04-020PS 1-3'	0845	SOIL	25357.0	2					✓	✓	✓	✓	✓		
2	04-020PS 5-7'	0905	SOIL	25358.8	2					✓	✓	✓	✓	✓		LEAD/PAH ANALYSIS COMBINATION
3	04-023PS 1-3'	1700	SOIL	25359.6	2					✓	✓	✓	✓	✓		
4	04-023PS 3-5' MS/MSD	1710	SOIL	25360.0	2					✓	✓	✓	✓	✓		MS/MSD
5	04-023 PS 5-7'	1730	SOIL	25361.8	2					✓	✓	✓	✓	✓		
6	04-027PS 5-7'	1600	SOIL	25362.6	2					✓	✓	✓	✓	✓		LEAD/PAH ANALYSIS COMBINATION
7	04-028PS 1-3'	1410	SOIL	25363.4	2					✓	✓	✓	✓	✓		*BAD COOK
8	04-028PS 5-7'	1430	SOIL	25364.2	2					✓	✓	✓	✓	✓		LEAD/PAH ANALYSIS COMBINATION

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
1	[illegible] ODTECH	Janice Meyer/Pace	10/26/94	1859

Additional Comments
*FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194468

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone: (210) 731-0000

Report To: KATHLEEN MONINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL ANGB

Pace Client No.:
Pace Project Manager: TRM
Pace Project No.: 94102757.573
*Requested Due Date: 21 TAT

Sampled By (PRINT): RUBEN PONTALES
Sampler Signature: [signature]
Date Sampled: 10/6/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: ✓VOA-8020	REMARKS
1	TRIP BLANK	—	WATER	25365.0	1					1		
2												
3												
4												
5												
6												
7												
8												

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED / DATE

Additional Comments

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Michele Lorbeer	Jodi Myers / Pace	10/6/94	1859
		10/7/94 1620		

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194487

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORENO
Bill To: ACCOUNTING
P.O. # / Billing Reference: P 1315-139
Project Name / No.: B. MITCHELL ANG-B

Pace Client No.: C
Pace Project Manager: TRM
Pace Project No.: 24102.505
*Requested Due Date: TAT 21 DAY

Sampled By (PRINT): RUBEN PONTALOS
Sampler Signature: Ruben Pontalos
Date Sampled: 10/27/04

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOC-8020	PAH-8310	LEAD-6010	LEAD-239.2	DRO	GRO	REMARKS
1	SPLIT SPOON-EQUIP BLK	1130	WATER	25339.9	6	1		1		4		✓	✓	✓	✓	✓		(EQUIPMENT BLANK)
2	04-019 PS 1-3'	0830	SOIL	25560.8	7	5					2	✓	✓	✓	✓	✓		
3	04-019 PS 5-7'	0900	SOIL	25561.0	7	5					2	✓	✓	✓	✓	✓		
4	04-021 PS 1-3'	1000	SOIL	25562.9	7	5					2	✓	✓	✓	✓	✓		
5	04-021 PS 5-7'	1030	SOIL	25563.7	7	5					2	✓	✓	✓	✓	✓		
6	04-022 PS 1-3'	1600	SOIL	25564.5	6	4					2	✓	✓	✓	✓	✓		COMBINATION
7	04-022 PS 5-7'	1615	SOIL	25565.3	7	5					2	✓	✓	✓	✓	✓		
8	04-026 PS 1-3'	1700	SOIL	25566.1	1	1						✓						*NOT ENOUGH SAMPLE FOR DRO

COOLER NOS	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
1	Rubén Pontalos (CORE)	Jodie Mayo/Pace (PACE)	10/27/04	1800-1900

Additional Comments:
* FOLLOW SOW REQUIREMENTS.

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

194488

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL AVG

Pace Client No.
Pace Project Manager: TRM
Pace Project No.: 9410029.505
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): ROBIN PORTALES
Sampler Signature: Robin Portales
Date Sampled: 10/27/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	HCl	VOC-8020	PAH-8310	LEAD-6010	LEAD-239.2	DRO	GRO	REMARKS
1	04-026PS 5-7'	1715	SOIL	25567.0	6	4				2		✓	✓	✓	✓			LEAD/PAH ANALYSIS COMBINATION
2	TRIP BLANK	—	AQUEOUS	25568.0	1						1	✓						
3																		
4																		
5																		
6																		
7																		
8																		

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED / DATE

Additional Comments

*FOLLOW SOW REQUIREMENTS

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
1	Mark Estle (OPTECH)	John Meyer/Pace	10/27/94	1900

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194489

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TEXAS 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORENO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL ANGB

Pace Client No.:
Pace Project Manager: TRM
Pace Project No.: 94-1029.578
*Requested Due Date: 21 TAT day

Sampled By (PRINT): RUBEN PONTALES
Sampler Signature: Ruben Pontales
Date Sampled: 10/28/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD 6010	DRO	GRO	REMARKS
1	04-029PS 1-3'	1530	SOIL	25674.9	7	5					2	✓	✓	✓	✓	✓	
2	04-029PS ~~5-7'~~ (NB)	1550	SOIL	25675.7	7	5					2	✓	✓	✓	✓	✓	
3	04-025PS 1-3'	1115	SOIL	25676.5	6	4					2	✓	✓	✓	✓		PAH/LEAD HAVE COMBINED ANALYSIS PAH/LEAD ANALYSIS COMBINED
4	04-025PS 3-5' Dup	1130	SOIL	25677.3	6	4					2	✓	✓	✓	✓		
5	04-025PS 10-12'	1245	SOIL	25678.1	7	5					2	✓	✓	✓	✓	✓	
6	04-030PS 1-3'	1655	SOIL	25679.0	7	5					2	✓	✓	✓	✓	✓	
7	04-030PS 5-7'	1710	SOIL	25680.3	7	5					2	✓	✓	✓	✓	✓	
8	04-004PZ 1-3'	0880	SOIL	25681.1	7	5					2	✓	✓	✓	✓	✓	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					[signature] (OPTECH)	[signature] / PACE	10/28/94	1830
							10/28/94	1600

Additional Comments:
LOW SOW REQUIREMENTS

194490

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO, TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-B9
Project Name / No.: B. MITCHELL ANGB

Pace Client No.:
Pace Project Manager: TRM
Pace Project No.: 94029.528
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): RUBEN PONTIMOS
Sampler Signature:
Date Sampled: 10/28/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD-6010	DRO	GRO	REMARKS
1	04-004PZ 5-7'	0850	SOIL	25682.0	6	4				2	✓	✓	✓	✓	✓	
2	04-004PZ 8-10'	1000	SOIL	25683.8	6	4				2	✓	✓	✓	✓		
3	TRIP BLANK	—	WATER	25684.6	1				1		✓					25684.6e SMH 10/29/94
4																
5																
6																
7																
8																

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Mike Esola (OPTECH)		10/28/94	1830
						SMH PACE	10/29/94	1600

Additional Comments:
LOW SOW REQUIREMENTS

pace INCORPORATED
THE ASSURANCE OF QUALITY

194480

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MONINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: S. MITCHELL AND BASS

Pace Client No.:
Pace Project Manager: 44403
Pace Project No.: 94103500
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): RUBEN PORTALES
Sampler Signature: Ruben Portales
Date Sampled: 10/28/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOC-8020	PAH-8310	LEAD-6010	DRO	GRO	REMARKS
1	04-038PS 1'-3'	1230	SOIL	25692.7	7	5				2		✓	✓	✓	✓	✓	
2	04-038PS 5'-7' MS/MSD	1300	SOIL	25693.5	6	4				2		✓	✓	✓	✓	✓	= MS/MSD = LEAD/PAH COMPOSITED
3	04-038PS 10'-12'	1325	SOIL	25694.3	7	5				2		✓	✓	✓	✓	✓	
4	04-035PS 1'-3'	1430	SOIL	25695.1	7	5				2		✓	✓	✓	✓	✓	
5	04-035PS 5'-7'	1445	SOIL	25696.0	5	3				2		✓	NA (MEI)	✓	✓		(DISREGARD LEAD/PAH ANALYSIS NOT ENOUGH SAMPLE)
6	TRIP BLANK	—	WATER	25697.8	1				1			✓					
7																	
8																	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Mark Esla (OPTECH)	John Meyer/Pace	10/31/94	1050
							11/3/94	1022

Additional Comments
* FOLLOW SOW REQUIREMENTS

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

194491

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MERINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL ANL-B

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94110507
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: Mark Escobar
Date Sampled: 10/31/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	Hcl	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD-6010	GRO	DRO	REMARKS
1	04-001PZ 1'-3'	1100	SOIL	25742.7	7	5				2		✓	✓	✓	✓	✓	* NOT ENOUGH SAMPLE RECEIVED.
2	04-001PZ 5'-7'	1115	SOIL	25743.5	3	2				1		✓		✓	✓		
3	04-002PZ 1'-3'	1355	SOIL	25744.3	7	5				2		✓	✓	✓	✓	✓	
4	04-002PZ 5'-7'	1510	SOIL	25745.1	5	4				1		✓	✓	✓	✓	✓	** SHORT SAMPLE ON BTEX/GRO ANALYSIS
5	04-003PZ 1'-3'	0930	SOIL	25746.0	7	5				2		✓	✓	✓	✓	✓	
6	04-003PZ 3'-5' Dup	0940	SOIL	25747.8 / 257508	3	2				1		✓		✓	✓		* NOT ENOUGH SAMPLE REC. * DUPLICATE
7	04-003PZ 5'-7'	0945	SOIL	~~25750~~	7	5				2		✓	✓	✓	✓	✓	
8	TRIP BLANK	—	WATER	25753.2	1				1			✓					

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mark Escobar (OPTECH)		10/31/94	1800
		S Mayhew / PACE	11/1/94	12:05

Additional Comments
* FOLLOW SOW REQUIREMENTS

ORIGINAL

pace INCORPORATED
THE ASSURANCE OF QUALITY

194492

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: 210 731-0000

Report To: KATHLEEN MCKINNO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL ANGB

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94102.517
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK GSCOBAR
Sampler Signature: Mark Eale
Date Sampled: 11/1/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD-6010	LEAD-239.2	GRO	DRO	REMARKS
1	04-015PS 1-3	1010	SOIL	25906.3	4	3					1	✓	✓	✓	✓	✓		
2	04-015PS (MS) 3-5	1039	SOIL	25907.3	3						2	✓	✓	✓	✓	✓		
3	04-004PZ-GW	0700	WATER	25908.0	6	1		1	3	1		✓	✓	✓	✓	✓		PROJECT SPECIFIC QL PAH
4	TRIP BLANK	—	WATER	25909.8	1			1				✓						
5																		
6																		
7																		
8																		

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
1	Mark Eale (OPTECH)		11/1/94	1900

Additional Comments
* PLEASE FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194537

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: ODTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: 210 731-0000

Report To: KATHLEEN MORENO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MICHELANGB

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 941102.517
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: Mark Escobar
Date Sampled: 11/1/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	CLHD-6010	CLHD-339.2	GRO	DRO	REMARKS
1	04-011PS 1-3'	1510	SOIL	25896.9	6	4					2	✓	✓	✓	✓	✓		
2	04-011PS 5-7'	1509	SOIL	25897.7	6	4					2	✓	✓	✓	✓	✓		
3	04-012PS 5-7'	1400	SOIL	25900.4	4	2					2	✓			✓	✓		SMPL RECEIVED
4	04-013PS 1-3'	1340	SOIL	25901.2	7	5					2	✓	✓	✓	✓	✓		
5	04-013PS 3-5'	1620	SOIL	25902.0	7	5					2	✓	✓	✓	✓	✓		
6	04-013PS 5-7'	1635	SOIL	25903.9	5	3					2	✓		✓	✓			
7	04-014PS 1-3'	1120	SOIL	25904.7	7	5					2	✓	✓	✓	✓	✓		
8	04-014PS 7-9'	1140	SOIL	25905.5	5	5					2	✓	✓	✓	✓			

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY AFFILIATION	ACCEPTED BY AFFILIATION	DATE	TIME
1	Mark Escobar ODTECH	Shawn Hunt	11/1/94	1900

Additional Comments:
* PLEASE FOLLOW SOW REQUIREMENTS.

ORIGINAL

SEE REVERSE SIDE FOR

pace INCORPORATED
THE ASSURANCE OF QUALITY

194536

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORLING
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: B. MITCHELL ANG BASE

Pace Client No.:
Pace Project Manager:
Pace Project No.: 94-1103-516
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: [signature]
Date Sampled: 11/2/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOC-8020	PAH-8310	LEAD-6010	DRO	GRO	REMARKS
1	04-004PS 1'-3'	1045	SOIL	26082.7	5	4				1		✓	✓	✓	✓	✓	LIMITED BOTTLES FOR DRO/GRO
2	04-016PS 1'-3'	0920	SOIL	26083.5	5	4				1		✓	✓	✓	✓	✓	" "
3	04-017PS 3'-5'	0930	SOIL	26084.3	5	4				1		✓	✓	✓	✓	✓	" "
4	04-018PS 1'-3'	0710	SOIL	26086.0	4	3				1		✓	✓	✓	✓	✓	LEAD/PAH ANALYSIS COMBINED.
5	04-018PS 5'-7'	0720	SOIL	26089.4	4	3				1		✓	✓	✓	✓	✓	LEAD/PAH ANALYSIS COMBINED.
6	04-024PS 1'-3'	1350	SOIL	26090.8	7	5				2		✓	✓	✓	✓	✓	
7	04-024PS 3'-5'	1415	SOIL	26091.6	4	3				1		✓	✓	✓	✓	✓	PAH/LEAD ANALYSIS COMBINED.
8	04-031PS 1'-3'	1445	SOIL	26093.2	7	5				2		✓	✓	✓	✓	✓	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					[signature] (OPTECH)	Jodell Meyer/Pace	11/3/94	1700
							11/2/94	1845

Additional Comments:
* FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194535

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO, TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORENO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 315-139
Project Name / No.: B. MITCHELL ANGB

Pace Client No.:
Pace Project Manager:
Pace Project No.: 94105.516
*Requested Due Date: 21 day TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: Mark Escobar
Date Sampled: 11/2/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOC-8020	PAH-8310	LEAD-6010	DRO	GRO	REMARKS
1	04-~~037~~031PS 5'-7'	1500	SOIL	216095.9	3	2					1	✓	✓	✓		✓	NOT ENOUGH RECOVERY FOR DRO ANALYSIS
2	04-032PS 1-3	1550	SOIL	216097.5	7	5					2	✓	✓	✓	✓	✓	
3	TRIP BLANK	—	WATER	216102.5T					1			✓					216102.5 ~~SAH~~ 11/5/94
4																	
5																	
6																	
7																	
8																	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mark Esla (OPTECH)	John Myers / Pace	11/4/94	1720
			11/4/94	1845

Additional Comments
* FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

1 OF 3

194586

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MOLINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: BILLY MITCHELL AAFB

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 941104.512
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: Mark Esc
Date Sampled: 11/3/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	MeOH	ANALYSES REQUEST: VOA / 8020	PAH / 8310	LEAD-6010	DRO	GRO	REMARKS
1	04-033PS 1'-3'	0720	SOIL	216295.1	5	4				1	✓	✓	✓	✓	✓	*SHORT ON SAMPLE BOTTLES FOR DRO/GRO
2	04-033PS 3'-5'	0725	SOIL	216296.0	5	4				1	✓	✓	✓	✓	✓	
3	04-034PS 1'-3'	0835	SOIL	216297.8	5	4				1	✓	✓	✓	✓	✓	GM FOR DRO HAS NO VOLUME SAH 11/11/94
4	04-034PS 3'-5'	0845	SOIL	216298.6	5	4				1	✓	✓	✓	✓	✓	
5	04-034PS 5'-7'	0855	SOIL	216299.4	4	3				1	✓	✓	✓	✓	✓	*COMBINED LEAD/PAH ANALYSIS SLUDGE
6	04-036PS 1'-3'	0925	SOIL	216300.1	7	5				2	✓	✓	✓	✓	✓	
7	04-037PS 1'-3'	0935	SOIL	216301.0	5	4				1	✓	✓	✓	✓	✓	
8	04-037PS 5-7	0945	SOIL	216302.8	4	3				1	✓	✓	✓	✓	✓	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Mark Esc (OPTECH)		11/3/94	1800
						Smithedge / PACE	11/4/94	1500

Additional Comments
* FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

2 OF 3

194587

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: DPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: (210) 731-0000

Report To: KATHLEEN MORINO
Bill To: ACCOUNTING
P.O. # / Billing Reference: 1315-139
Project Name / No.: O. MITCHELL ANGB

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94-1104-512
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: Mark Escobar
Date Sampled: 11/3/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD-6010	LEAD-239.2	DRO	GRO	REMARKS
1	04-001PZ-GW	1156	WATER	26303.6	6	1		1	3	1		✓	✓	✓	✓	✓		
2	04-002PZ-GW	1600	WATER	26304.4	6	1		1	3	1		✓	✓	✓	✓	✓		SHORT SAMPLE ON PAH. NOT ENOUGH WATER TO SAMPLE OTHER PARAMS.
3	04-003PZ-GW	1630	WATER	26305.2	3				3			✓				✓		
4	EB-SPLIT SPOON	0640	WATER	26306.0	6	1		1	3	1		✓	✓	✓	✓	✓		
5	EB-BAILER	0700	WATER	26307.9	6	1		1	3	1		✓	✓	✓	✓	✓		
6	04-020 PS 1'-3'	1325	SOIL	26308.7	2	2								✓				*RGS SAMPLES
7	04-023 PS 1'-3'	1400	SOIL	26310.9 (was 26309.9)	1	1								✓				26310.9' Sfgff 11/4/94
8	04-023 PS 3'-5' MS/MSD	1416	SOIL	26311.7	1	1								✓				

COOLER NOS	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mark Esbr (DPTECH)		11/3/94	1800
		Sfgffadya / PACE	11/4/94	1500

Additional Comments
* FOLLOW SOW REQUIREMENTS

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

3 OF 3

194588

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTECH
Address 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone 210 731-0000

Report To: KATHLEEN MORENO
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-139
Project Name / No. A. MITCHEL AFB

Pace Client No. 101819
Pace Project Manager TRM
Pace Project No. 941104512
*Requested Due Date 10 DAY TAT

Sampled By (PRINT): MARK ESCOBAR
Sampler Signature: Mark Escobar
Date Sampled: 11/3/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD (6010)	DRO	GRO	REMARKS
1	04-023PS 5'-7'	1420	SOIL	26312.5	1	1						✓					RESAMPLES
2	04-027PS 1'-3'	1440	SOIL	26313.3	3	1					2	✓✓					" "
3	04-027PS 5'-7'	1450	SOIL	26314.1	1	1						✓					" "
4	04-028PS 1'-3'	1510	SOIL	26315.0	1	1						✓					" "
5	04-028PS 5'-7'	1515	SOIL	26316.8	1	1						✓					" "
6																	
7	Trip Blank (water)			26518.4	1							HOLD					Sent 11/4/94 26518.4
8	Trip Blank (soil)			26517.6	1							HOLD					Sent 11/4/94

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mark Escobar (OPTECH)		11/3/94	1800
		Smithridge PACE	11/4/94	1500

Additional Comments
Follow SOW Requirements

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194589

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: ATC. OPTECH
Address: 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone: 210 731-0000

Report To: KATHLEEN MOXIN
Bill To: ACCOUNTING
P.O. # / Billing Reference: 135-139
Project Name / No.: B. MINERAL AREA

Pace Client No.: 101819
Pace Project Manager:
Pace Project No.: 94109501
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK BOOTH
Sampler Signature: [signature]
Date Sampled: 11/5/04

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEMD-339.2	DRO	C.A.C.	REMARKS
1	04-001MW	0700	WATER	26751.01	1			1	3			✓	✓	✓	✓	✓	
2	04-004MW	0800	WATER	26752.06	1			1	3			✓	✓	✓	✓	✓	
3	TRIP BLANK	—	WATER	26753.81	1				1			✓					
4																	
5																	
6																	
7																	
8																	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature]	[signature] Pace	11/8/04	0700
			11/8/04	1700

Additional Comments

* FOLLOW SOW REQUIREMENTS

T.B = 1.0°C

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

194496

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client OPTECH
Address 4100 NW LOOP 410 #230
SAN ANTONIO TX 78229
Phone 210 731-0000

Report To: KATHLEEN MORINO
Bill To: ACCOUNTING
P.O. # / Billing Reference 1315-139
Project Name / No. ~~1315-139~~ K. MITCHELL ANGB

Pace Client No. 101819
Pace Project Manager TRM
Pace Project No. 9411110.511
*Requested Due Date: 21 DAY TAT

Sampled By (PRINT): MARK E COGAR
Sampler Signature: Mark E Cogar
Date Sampled: 11/9/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	MeOH	ANALYSES REQUEST: VOA-8020	PAH-8310	LEAD-239.2	DRO	GRO	REMARKS
1	04-005 MW	1100	WATER	26845.3	6	1		1	3	1		✓	✓	✓	✓	✓	
2	04-003 MW	0830	WATER	26846.1	6	1		1	3	1		✓	✓	✓	✓	✓	STRONG ODOR.
3	04-003 MW-DUP	0900	WATER	26847.0	6	1		1	3	1		✓	✓	✓	✓	✓	STRONG ODOR.
4	04-002 MW	0930	WATER	26848.8	6	1		1	3	1		✓	✓	✓	✓	✓	
5	EB- BAILER	0900	WATER	26849.6	6	1		1	3	1		✓	✓	✓	✓	✓	EQUIPMENT BLANK
6																	
7	Trip Blank			268540					1			X					SAF/PACE 11/10/94
8																	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Mark E Cogar (OPTECH)		11/9/94	1300
		S Mayfield/PACE	11/10/94	15:30

Additional Comments
* FOLLOW SOW REQUIREMENTS

pace INCORPORATED
THE ASSURANCE OF QUALITY

205587

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Operational Technologies
Address: 4100 NW Loop 410
San Antonio, TX 78229
Phone: (210) 731-0000

Report To: Kathleen Merino
Bill To: Accounting
P.O. # / Billing Reference: 1315-139
Project Name / No.: Billy Mitchell

Pace Client No.: 10819
Pace Project Manager: TRM
Pace Project No.: 94122.573
*Requested Due Date:

Sampled By (PRINT): A. Kathleen Merino
Sampler Signature:
Date Sampled: 20 Dec 94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: 8010	DRO	8310	8020	GRO	BTEX	REMARKS
1	Trip Blanks		Water	303928	4				2	2							Cooler 1 Trips provided by Pace
2	Equipment Blank	1630		303933	1					1	X						
3	"	1630			1					1		X					
4	"	1630			1					1			X				
5	"	1630			3					1				X	X		
6	Field Blank	1635		303930	1					1	X						
7	"	1635			1					1		X					
8	"	1635			1					1			X				

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
			20 Dec	1840
		PACE	12/21/94	1330

Additional Comments
Please analyze trip blanks for the same as previous lab submissions.

pace
INCORPORATED
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205585

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OpTech
Address: 4100 NW Loop 410
San Antonio, TX 78229
Phone: (210) 731-0000

Report To: Kathleen Merino
Bill To: Accting
P.O. # / Billing Reference: 1315-139
Project Name / No.: Billy Mitchell

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94122153
*Requested Due Date:

Sampled By (PRINT): A. Kathleen Merino
Sampler Signature:
Date Sampled: 20 Dec 94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: 6010	D420	8310	G420	8020	REMARKS
1	Field Blank	1635	Water	3039820	3				X				X	X		
2	04-005MW	1135		30392.5	1			X			X					
3	"	1135			1					X		X				
4	"	1135			1									X		
5	"	1135			3				X				X	X		
6	04-004MW	1230		30391.7	1			X			X					
7	"	1230			1					X		X				
8	"	1230			1									X		

COOLER NOS.	SAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

Additional Comments

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
1			20 Dec	1840
		Pace	21 Dec	1330

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

205586

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: OpTech
Address: 4100 NW Loop 410
San Antonio, TX 78229
Phone: (210) 731-0000

Report To: Kathleen Merino
Bill To: Acct
P.O. # / Billing Reference: 315-137
Project Name / No.: Billy Mitchell

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94221.513
*Requested Due Date:

Sampled By (PRINT): A. Kathleen Merino
Sampler Signature: A. Kathleen Merino
Date Sampled: 20 Dec 94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: 6010	D20	8310	G20	8020	REMARKS
1	04-004MW	1230	Water	30391.7	3				X				X	X		
2	04-001MW	1330	"	30586.0	1			X			X		X			
3	"	1330	"		1					X		X				
4	"	1330	"		1					X			X			
5	"	1330	"		3				X					X	X	
6	04-002MW	1435	"	30587.7	1			X			X		X			
7	"	1435	"		1					X		X				
8	"	1435	"		1					X			X			

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
			20 Dec	1840
		PACE	12/21/94	1830

Additional Comments

04-001MW Dup : 30587.9

pace INCORPORATED
THE ASSURANCE OF QUALITY

205584

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: QpTech
Address: 4100 NW Loop 410, San Antonio, TX 78229
Phone: (210) 731-0000

Report To: Kathleen Merino
Bill To: Accounting
P.O. # / Billing Reference: 1315-139
Project Name / No.: Billy Mitchell

Pace Client No.: 101819
Pace Project Manager: TRM
Pace Project No.: 94122.513
*Requested Due Date:

Sampled By (PRINT): A. Kathleen Merino
Sampler Signature:
Date Sampled: 20 Dec 94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	HCl	ANALYSES REQUEST: 6010	8020	8310	625	8020	REMARKS
1	QC-002MW	1435	Water	30388.7	3				X			X		X	X	
2	QC-003MW	1550	"	30389.5	1			X				X				
3	"	1550	"		1				X			X				
4	"	1550	"		1					X					X	
5	"	1550	"		3			X						X		
6																
7																
8	Trip Blanks Cooler #2			30400.0	2				X			X				12/21/94

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

Additional Comments

ITEM NUMBER	RELINQUISHED BY AFFILIATION	ACCEPTED BY AFFILIATION	DATE	TIME
			20 DEC	1840
		PACE	12/21/94	1350

21-5136
163586

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr N.
Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-002PS 1'-3'	10/21	S	25007.4	✓					X	94-54046 ✓
2	04-002PS 5'-7'	10/21	S	25008.2	✓					X	94-54047 ✓
3	04-003PS 1'-3'	10/21	S	25009.0	✓					X	94-54048 ✓
4	04-003PS 5'-7'	10/21	S	25010.4	✓					X	94-54049 ✓
5	04-006PS 1'-3'	10/21	S	25013.9	✓					X	94-54050 ✓
6	04-006PS 5'-7'	10/21	S	25014.7	✓					X	94-54051 ✓
7	~~04-006PS~~	~~10/21~~	~~S~~	~~25015.5~~	(TM)						
8	04-005PS 1'-3'	10/21	S	25016.3	✓					X	94-54052 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible] Pace	Mary Lou Nemec	10 day of NOV 94	1720 10:30 AM

Additional Comments
2 week TAT
Tabular Report + Raw Data

pace
INCORPORATED
THE ASSURANCE OF QUALITY

21-51136
163587

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-005PS 5'-7'	10/21	S	25017.1	✓					X	94-54053 ✓
2	~~04-002PS~~	10/21	S	~~250180~~	OW					X OW	
3	04-001PS 1'-3'	10/21	S	25019.8	✓					X	94-54054 ✓
4	04-001PS 5'-7'	10/21	S	25020.1	✓					X	94-54055 ✓
5	Eq Blank	10/27	W	25559.9	✓					X	94-LB3502 ✓
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[signature] / Pace	Mary Lou Nemb	10/31/94	1720
			01 NOV 94	10:30 AM

Additional Comments
2 weeks TAT
Tabular Report + Raw Data

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

PACE INCORPORATED
THE ASSURANCE OF QUALITY

21-5750
163592

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-003PS	10/21	EXT	25011.2	X					X	94-L24053 ✓
2	04-006PS	10/21	EXT	25015.5	X					X	94-L24054 ✓
3	04-002PS	10/21	EXT	25016.0	X					X	94-L24055 ✓
4	FB	10/21	EXT	25022.8	X					X	94-L24056 ✓
5	EB	10/21	EXT	25023.6	X					X	94-L24057 ✓
6	EB	10/21	EXT	25024.4	X					X	94-L24058 ✓
7	EB	10/21	EXT	25025.2	X					X	94-L24059 ✓
8	EB	10/21	EXT	25026.0	X					X	94-L24060 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Shy Hooker / PACE	FED EX	11/3/94	1800
	FED EX	Mary Lou Klemb	11/4/94	11:30 AM
		2.1°		

Additional Comments

2 week TAT
Tabular Report + Raw Data
To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace
INCORPORATED
THE ASSURANCE OF QUALITY

163591 21-9150

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: PAH/8310	REMARKS
1	04-005PS-GW	10/24	EXT	25189.5	X							X	94-L24061 ✓
2	04-001PS	10/24	EXT	25190.9	X							X	L24062 ✓
3	EB	10/25	EXT	25291.3	X							X	L24063 ✓
4	EB	10/25	EXT	25292.1	X							X	L24064 ✓
5	EB	10/25	EXT	25-293.0	X							X	L24065 ✓
6	EB	10/25	EXT	25294.8	X							X	L24066 ✓
7	EB	10/25	EXT	25-295.6	X							X	L24067 ✓
8	04-007PS	10/25	EXT	25297.2	X							X	L24068 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Steve Fowler / PACE MPLS	FED EX	11/3/94	18:00
					FED EX	Mary Lou Nemb RMW	11/4/94	11:30 AM

Additional Comments

2 weeks TAT
Tabulated Report & Raw Data

ORIGINAL [redacted] TO MATT [redacted] SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

163590 21-5150

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55427
Phone:

Report To: Todd Michaud
Bill To:
P.O. # / Billing Reference:
Project Name / No.:

Pace Client No.:
Pace Project Manager:
Pace Project No.:
*Requested Due Date:

Sampled By (PRINT):
525-3435
Sampler Signature / Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: FAH/GSIO	REMARKS
1	04-009PS	10/25	water Ext	2529810	X							X	94-L24069
2													
3													
4													
5													
6													
7													
8													

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Lori Lauer PACE MN FED EX	FED EX Mary Lou Klemp	11/3/04	18:00
			11/4/04	11:32 AM
			2.1°	

Additional Comments

2 week TAT
Tabulen Report + Raw Data
To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

163588 21-5140

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 535-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: PAH 8310	REMARKS
1	04-007PS-1'-3'	10/24	Soil	25191.7	X							X	94-S4177 ✓
2	04-007PS-5'-7'	10/24	Soil	25192.5	X							X	S4178 ✓
3	04-008PS-1'-3'	10/24	Soil	25193.3	X							X	S4179 ✓
4	04-008PS-8'-10'	10/24	Soil	25194.1	X							X	S4180 ✓
5	04-009PS-1'-3'	10/24	Soil	25195.0	X							X	S4181 ✓
6	04-009PS-5'-7'	10/24	Soil	25196.8	X							X	S4182 ✓
7	04-010PS-5'-7' FD	10/25	Soil	25302.2	X							X	S4183 ✓
8	04-010PS-8'-10'	10/25	Soil	25303.0	X							X	S4184 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Shipped C/PACE MK FED EX	FED EX	11/5/04	18:00
	FED EX	Mary Lou Klemp 2.1°C	11/6/04	11:30 AM

Additional Comments

2 week TAT
Tabular Report + Raw Data

T-MW

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

21945
163589

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone:

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference:
Project Name / No.:

Pace Client No.:
Pace Project Manager:
Pace Project No.:
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature:
Date Sampled:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-00PS 1-3	10/26	SOIL	2535410	X					X	94-54183
2	04-020PS 5-7	10/26	SOIL	2535818	X					X	54186
3	04-023PS 1-3	10/26	SOIL	2535916	X					X	54187
4	04-023PS 5-5	10/26	SOIL	2536018	X					X	54188
5	04-025PS 5-7	10/26	SOIL	2536118	X					X	54189
6	04-027PS 5-7	10/26	SOIL	2536216	X					X	54190
7	04-028PS 1-3	10/26	SOIL	2536314	X					X	54191
8	04-028PS 5-7	10/26	SOIL	2536412	X					X	54192

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	[illegible]	[illegible]	10/27/94	10:00
	PCS	Mid-Coast Pace	10/28	11:30 AM

Additional Comments

2 week TAT
Tabular Report + Raw Data
To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

163593 21-5145

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Paco Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone:

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference:
Project Name / No.:

Pace Client No.:
Pace Project Manager:
Pace Project No.:
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature:
Date Sampled:

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA	PAH 8310	REMARKS
1	04-019PS 1-3'	10/26	Soil	25560.2	X					X	9H-54193
2	04-019PS 5-7'	10/26	Soil	25561.0	X					X	54194
3	04-021PS 1-3'	10/26	Soil	25562.9	X					X	54195
4	04-021PS 5-7'	10/26	Soil	25563.7	X					X	54196
5	04-022PS 1-3'	10/26	Soil	25564.5	X					X	54197
6	04-022PS 5-7'	10/26	Soil	25565.3	X					X	54198
7	04-026PS 5-7'	10/26	Soil	25566.0	X					X	54199
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Smyfadel / PACE MN	FED EX	10/26	18:00
	FED EX	Mary Lou Nemb / PACE	10/27	11:30 AM
		2.1°C		

Additional Comments
2 week TAT
Tabular Report + Raw Data
To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace
INCORPORATED
THE ASSURANCE OF QUALITY

24-5745
163594

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-029PS 1'-3'	10/28	soil	25674.9	X					X	94-54200 ✓
2	04-029PS 5'-7'	10/28	soil	25675.7	X					X	54201 ✓
3	04-025PS 1'-3'	10/28	soil	25676.5	X					X	54202 ✓
4	04-025PS 3'-5' Dup	10/28	soil	25677.3	X					X	54203 ✓
5	04-025PS 10'-12'	10/28	soil	25678.1	X					X	54204 ✓
6	04-030PS 1'-3'	10/28	soil	25679.0	X					X	54205 ✓
7	04-030PS 5'-7'	10/28	soil	25680.3	X					X	54206 ✓
8	04-004PS 1'-3'	10/28	soil	25681.1	X					X	54207 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Signature PACE MN	FED EX	10/29/04	18:00
	FED EX	Mary Lou Nemb	10/30/04	11:30
		2.1°C	9V	AM

Additional Comments

2 week TAT
· Tabular Report + Raw Data
To: MVTL

21-5745
163595

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-004PS 5'-7'	10/28	soil	25682.0	X					X	94-54208 ✓
2	04-004PS 8'-10'	10/28	soil	25683.8	X					X	54209 ✓
3	04-038PS 1'-3'	10/29	soil	25692.7	X					X	54210 ✓
4	04-038PS 5'-7'	10/29	soil	25693.5	X					X	94-54211 MS/MSD ✓
5	04-038PS 10'-12'	10/29	soil	25694.3	X					X	54212 ✓
6	04-035PS 1'-3'	10/29	soil	25695.1	X					X	54213 ✓
7	~~04-035PS 5'-7'~~	10/29	soil	~~256960~~						X	NOT SENT SMH 11/3/94
8										X	

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					SM Hadley / PACE MN	FED EX	11/3/94	18:00
					FED EX	Mary Lou Niemt	NOV 94	11:30 AM
						2.1°C		

Additional Comments

2 week TAT

Tabular Report + Raw Data

To: MVTL

SEE REVERSE SIDE FOR

pace
INCORPORATED
THE ASSURANCE OF QUALITY

2 of 2

163598 11-9-94

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Paco Inc.
Address: 1710 Douglas Dr N
Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-011PS 1'-3'	11/1	soil	25898.9	X					X	94-54220 ✓
2	04-011PS 5'-7'	11/1	soil	25899.7						X	Mary Low Hand
3	~~04-013PS 1'-3'~~	11/1	soil	~~25900.4~~						X	All samples received 04NOV94
4	04-013PS 1'-3'	11/1	soil	25901.2	X					X	94-54221 ✓
5	04-013PS 3'-5'	11/1	soil	25902.0	X					X	54222 ✓
6	04-014PS 1'-3'	11/1	soil	25904.7	X					X	54223 ✓
7	04-014PS 7'-9'	11/1	soil	25905.5	X					X	54224 ✓
8	04-015PS 1'-3'	11/1	soil	25906.3	X					X	54225 ✓

OM
TW

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Greg Foder / PACE	FED EX	11/3/94	18:00
	FED EX	Mary Low Hand	NOV 4	11:30 AM
		3.8C		

Additional Comments

2 week TAT
Tabular Report + Raw Data

To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

21-195010

C2/2

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH/8310	REMARKS
1	04-001PZ 1'-3'	10/31	Soil	25742.7	X					X	94-54226 ✓
2	04-002PZ 1'-3'	10/31	Soil	25744.3	X					X	4227 ✓
3	04-002PZ 5'-7'	10/31	Soil	25745.1	X					X	4228 ✓
4	04-003PZ 1'-3'	10/31	Soil	25746.0	X					X	4229 ✓
5	04-003PZ 5'-7'	10/31	Soil	25750.8	X					X	4230 ✓
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					S. Hodge / PACE MN	FED EX	11/3/94	18:00
					FED EX	Mary Lou Homb	NOV 94	11:30 AM
								3.8C

Additional Comments

2 week TAT
Tabular Report + Raw Data

ORIGINAL

pace INCORPORATED
THE ASSURANCE OF QUALITY

92

163599

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3435

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST: PAH 5310	REMARKS
1	04-015B53-5	11/1	Soil	25907.1	X							X	94-54231 ✓
2	04-004PZ-GW	11/1	~~Soil~~ Water	25908.0	X							X	94-L23988 ✓
3													
4													
5													
6													
7													
8													

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	~~Lori Stoke~~ / PACE MN	FED EX	11/5/94	18:00
	~~FED EX~~	Mary Lou Nemec	11/6/94	11:30 AM
		3.8C		

Additional Comments

2 week TAT
Tabular Report + Raw Data
~~Lori~~ 11/5/94
To: ~~Pace~~ MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

pace INCORPORATED
THE ASSURANCE OF QUALITY

21-5761 195014

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3437

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date: 11/22/94

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-001 MW (DUP)	11/8	H_2O	26751.1	1					X	94-L24634 ✓
2	04-004 MW	11/8	H_2O	26752.0	1					X	94-L24635 ✓
3											
4											
5											
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Sue Hodge / PACE	FED EX	11/9/94	1F:00
					FED EX	Mary Low Klemb	10/94	10:35
						@ 10NOV94 MLM	5a	AM
							4.1°C	

Additional Comments

Attn: Jeff Olson

TO: MVTL

pace INCORPORATED
THE ASSURANCE OF QUALITY

21-5767 195015

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas Dr. N. Mpls, MN 55422
Phone: 525-3437

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date: 11/25/94

Sampled By (PRINT):
Sampler Signature
Date Sampled: 11/9/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-005 MW	1100	H_2O	26845.3	1					X	94-L24813 ✓
2	04-003 MW	0830	H_2O	26846.1	1					X	94-L24814 ✓
3	04-003 MW-Dup	0900	H_2O	26847.0	1					X	94-L24815 ✓
4	04-002 MW	0930	H_2O	26848.8	1					X	94-L24816 ✓
5	EB-Bailer	0700	H_2O	26849.6	1					X	94-L24817 ✓
6											
7											
8											

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE

ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
	Lynn Hodge/PACE FED EX	FED EX Mary Lou Niemb	11/10/94 11/10/94	17:02 11:30AM 5°

Additional Comments
2 week TAT
Tabular Report + Raw Data
To: MVTL

ORIGINAL

SEE REVERSE SIDE FOR INSTRUCTIONS

p. 1 of 3 195011

21-5751

pace INCORPORATED
THE ASSURANCE OF QUALITY

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Paco Inc
Address: 1710 Douglas Dr. N
Mpls, MN 554
Phone: 525-3437

Report To: Todd Mitchell
Bill To:
P.O. # / Billing Reference
Project Name / No.

Pace Client No.
Pace Project Manager
Pace Project No.
*Requested Due Date:

Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	25899.7	X	1111							X	94-54250
2	26082.7	X	11/2							X	54251 ✓
3	26083.5	X	11/2							X	54252 ✓
4	26084.3	X	11/2							X	54253 ✓
5	26085.0 (6) NS 11/4/94	X	11/2							X	54254 ✓
6	26089.4	X	1/2							X	54255 ✓
7	26090.8	X	11/2							X	54256 ✓
8	26091.6	X	11/2							X	54257 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Sony Tadge PACE MN Fed Ex	Fed Ex Mary Lou Hemb	11/4/94	17:50
							05NOV94	9:30 AM
							2.5°	

Additional Comments

2 Week TAT

Report results and

pace INCORPORATED
THE ASSURANCE OF QUALITY

p.2 of 3 194448
21-5751

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client PACE, Onc
Report To: T. Mitchell
Pace Client No.
Address
Bill To:
Pace Project Manager
P.O. # / Billing Reference
Pace Project No.
Phone
Project Name / No.
*Requested Due Date:
Sampled By (PRINT):
Sampler Signature
Date Sampled

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	UNPRESERVED	H_2SO_4	HNO_3	VOA			ANALYSES REQUEST 8310	REMARKS
1	26093.2	X	11/2									X	94-SH258
2	26095.9	X	11/2									X	SH259
3	26097.5	X	11/2									X	SH260
4	26295.1	X	11/3									X	SH261
5	26296.0	X	11/3									X	SH262
6	26297.8	X	11/3									X	SH263
7	26298.6	X	11/3									X	SH264
8	26299.4	X	11/3									X	SH265

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					Sam Hoodak / PACE MN FEDEX	FED EX Mary Lou Memb	11/4/94	17:50
							05 Nov 94	9:30 AM
							2.5°	

Additional Comments

2 week TAT
Report results & raw data
T. MITI

pace INCORPORATED
THE ASSURANCE OF QUALITY

21-3864 195021

CHAIN-OF-CUSTODY RECORD
Analytical Request

Client: Pace Inc.
Address: 1710 Douglas P.N. Mpls, MN 55422
Phone: (612) 525-3437

Report To: TODD MITCHELL
Bill To: SAME
P.O. # / Billing Reference
Project Name / No.: Billy Mitchell

Pace Client No.
Pace Project Manager: TRM
Pace Project No.
*Requested Due Date: 1/9/94

Sampled By (PRINT):
Sampler Signature
Date Sampled: 12/20/94

ITEM NO.	SAMPLE DESCRIPTION	TIME	MATRIX	PACE NO.	NO. OF CONTAINERS	PRESERVATIVES: UNPRESERVED	H_2SO_4	HNO_3	VOA	ANALYSES REQUEST: PAH 8310	REMARKS
1	04-001MW		H2O	100303960	1	1				X	94-L28668 ✓
2	04-001MW-DUP			100303987	1	1				X	L28669 ✓
3	04-002-MW			100303988	1	1				X	L28670 ✓
4	04-003 MW			100303989	1	1				X	L28671 ✓
5	04-004 MW			100303911.7	1	1				X	L28672 ✓
6	04-005 MW			100303912.5	1	1				X	L28673 ✓
7	Equipment Blank			100303913	1	1				X	L28674 ✓
8	Field Blank			100303914.0	1	1				X	L28675 ✓

COOLER NOS.	BAILERS	SHIPMENT METHOD OUT / DATE	SHIPMENT METHOD RETURNED / DATE	ITEM NUMBER	RELINQUISHED BY / AFFILIATION	ACCEPTED BY / AFFILIATION	DATE	TIME
					[signature] Pace	[signature]	12/22/94	1105
					[signature] MVTL	Mary Lou Hemb	23 DEC 94	10:30

Additional Comments

See Jeff Olson →
Need Raw Data
To MVTL

ORIGINAL

APPENDIX G

ANALYTICAL DATA

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The analytical data and associated QA/QC evaluation results for this site investigation are voluminous which makes complete distribution infeasible. Therefore, only two copies will be distributed with the final report. One copy will be sent the ANGRC/CEVR in care of Ruth Lodder, the project manager, and the second copy will be sent to General Billy Mitchell ANGB in care of Lt. Rob Huelsman, the environmental coordinator.

Summary tables of the data are included in this appendix. However, if a situation arises in which the complete data is required, the above referenced individuals can be contacted at the following addresses and telephone numbers.

Ruth Lodder
3500 Fletch Ave.
Andrews AFB, MD 20331-5157
(301) 981-8504

Lt. Rob Huelsman
1919 E. Grange Ave.
Milwaukee, WI 53207-6199
(414) 747-4186
DSN 580-8186

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL		Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL		Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	15	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	2.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	2.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	2.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	2.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL		Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL		Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.5	Toluene	1.3	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-004PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0260827 Matrix: SOIL		Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL		Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	5U	Methyl tert-butyl ether	2.0U
Benzene	1.0U	Benzene	6.8	Benzene	13
Ethyl benzene	1.0U	Ethyl benzene	53	Ethyl benzene	2.0U
Toluene	1.0U	Toluene	16	Toluene	2.0U
Total xylenes	1.0U	Total xylenes	120	Total xylenes	2.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	39	1,3,5-Trimethylbenzene	2.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	88	1,2,4-Trimethylbenzene	2.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL		Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL		Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.1
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	5.3
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.2
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	5.1

Volatile Organics - Method 8020 / 8015

Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL		Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL		Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2.5U
Benzene	1.0U	Benzene	1.0U	Benzene	110
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	2.5U
Toluene	1.0U	Toluene	1.0U	Toluene	2.5U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	2.5U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	2.5U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2.5U

Volatile Organics - Method 8020 / 8015

Location: 04-013PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0259012 Matrix: SOIL		Location: 04-013PS 3'-5' Sample Date: 11/01/94 Lab Number: 10 0259020 Matrix: SOIL		Location: 04-013PS 5'-7' Sample Date: 11/01/94 Lab Number: 10 0259039 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	2.4	Toluene	1.0U	Toluene	1.0U
Total xylenes	3.8	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	8.7	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	4.7	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL		Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.4	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	2.6	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	5.9	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL		Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL		Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL	
Methyl tert-butyl ether	-	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	-	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	-	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	-	Toluene	1.0U	Toluene	1.0U
Total xylenes	-	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	-	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	-	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL		Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL		Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.2
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.9
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.3
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.8

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-014PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0259047 Matrix: SOIL		Location: 04-014PS 7'-9' Sample Date: 11/01/94 Lab Number: 10 0259055 Matrix: SOIL		Location: 04-015PS 1'-3' Sample Date: 11/01/94 Lab Number: 10 0259063 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2500U	Methyl tert-butyl ether	5U
Benzene	1.0U	Benzene	6500	Benzene	9.3
Ethyl benzene	1.0U	Ethyl benzene	24000	Ethyl benzene	120
Toluene	1.0U	Toluene	4400	Toluene	35
Total xylenes	1.0U	Total xylenes	46000	Total xylenes	520
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	46000	1,3,5-Trimethylbenzene	46
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	110000	1,2,4-Trimethylbenzene	160

Volatile Organics - Method 8020 / 8015

Location: 04-015PS 3'-5' Sample Date: 11/01/94 Lab Number: 10 0259071 Matrix: SOIL		Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL		Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL	
Methyl tert-butyl ether	2500U	Methyl tert-butyl ether	100U	Methyl tert-butyl ether	1.0U
Benzene	2900	Benzene	1500	Benzene	1.0U
Ethyl benzene	41000	Ethyl benzene	4400	Ethyl benzene	1.0U
Toluene	26000	Toluene	890	Toluene	1.0U
Total xylenes	190000	Total xylenes	6300	Total xylenes	1.0U
1,3,5-Trimethylbenzene	26000	1,3,5-Trimethylbenzene	290	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	68000	1,2,4-Trimethylbenzene	550	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL		Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL		Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	100U
Benzene	0.8J	Benzene	1.9	Benzene	310
Ethyl benzene	4.3	Ethyl benzene	2.5	Ethyl benzene	210
Toluene	1.0U	Toluene	1.0U	Toluene	620
Total xylenes	2.2	Total xylenes	2.7	Total xylenes	770
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	120
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	330

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263087 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	-
Benzene	0.6 J	Benzene	1.0U	Benzene	-
Ethyl benzene	1.8	Ethyl benzene	1.0U	Ethyl benzene	-
Toluene	1.9	Toluene	1.0U	Toluene	-
Total xylenes	4.7	Total xylenes	1.0U	Total xylenes	-
1,3,5-Trimethylbenzene	1.4	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	-
1,2,4-Trimethylbenzene	5.1	1,2,4-Trimethylbenzene	1.6	1,2,4-Trimethylbenzene	-

Volatile Organics - Method 8020 / 8015

Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL		Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL		Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL	
Methyl tert-butyl ether	1000U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1000U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	42000	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	14000	Toluene	1.1	Toluene	1.8
Total xylenes	140000	Total xylenes	1.2	Total xylenes	1.0U
1,3,5-Trimethylbenzene	350000	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	58000	1,2,4-Trimethylbenzene	4.4	1,2,4-Trimethylbenzene	1.3

Volatile Organics - Method 8020 / 8015

Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL		Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL		Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.2	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.8	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.5	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.9	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL		Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL		Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL		Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL		Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.1
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	5.3	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL		Location: 04-026PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255661 Matrix: SOIL		Location: 04-026PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255670 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	4.0	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	4.0	Toluene	1.0U	Toluene	1.0U
Total xylenes	6.0	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.4	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	4.2	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL		Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL		Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	2500U
Benzene	1.0U	Benzene	1.0U	Benzene	2500U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	26000
Toluene	1.0U	Toluene	1.3	Toluene	4100
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	110000
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	29000
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	74000

Volatile Organics - Method 8020 / 8015

Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL		Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL		Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	3.5	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL		Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL		Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL		Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL		Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL		Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL		Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL		Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL		Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.1
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL		Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL		Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.8

Volatile Organics - Method 8020 / 8015

Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL		Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL		Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.0U	Toluene	2.2	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL		Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL		Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	1.1	Toluene	1.2	Toluene	1.0U
Total xylenes	1.2	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL		Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL		Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1000U	Methyl tert-butyl ether	2500U
Benzene	1.0U	Benzene	1000U	Benzene	25000
Ethyl benzene	1.0U	Ethyl benzene	8900	Ethyl benzene	68000
Toluene	1.0U	Toluene	6700	Toluene	130000
Total xylenes	1.0U	Total xylenes	40000	Total xylenes	300000
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	18000	1,3,5-Trimethylbenzene	45000
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	34000	1,2,4-Trimethylbenzene	120000

Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL		Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL		Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	9.5	Ethyl benzene	1.0U	Ethyl benzene	1.0U
Toluene	4.1	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER		Location: 04-002PS GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER		Location: 04-003PS GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	9.4	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	8.2	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	4.8	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.4	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	21	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-005PS GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER		Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER		Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	16	Benzene	1.0U	Benzene	0.7
Ethyl benzene	2.8	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	2.5	Toluene	1.0U	Toluene	1.0U
Total xylenes	16	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	21	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	34	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER		Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER		Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER		Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER		Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	660
Benzene	1.0U	Benzene	5200	Benzene	7200
Ethyl benzene	1.3U	Ethyl benzene	3300	Ethyl benzene	3300
Toluene	3.1	Toluene	32000	Toluene	30000
Total xylenes	1.0U	Total xylenes	17000	Total xylenes	17000
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	980	1,3,5-Trimethylbenzene	950
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2200	1,2,4-Trimethylbenzene	2400

Volatile Organics - Method 8020 / 8015

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER		Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER		Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	0.7J	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.5	Toluene	3.0	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER		Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER		Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	100U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	3900	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	3400	Ethyl benzene	1.3U
Toluene	260	Toluene	12000	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	20000	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	860	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	2600	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER		Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER		Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER		Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER		Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER	
Methyl tert-butyl ether	2.3	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER		Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER		Location: Split Spoon Eq. Blank Sample Date: 10/28/94 Lab Number: 10 0255599 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER		Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER		Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.1	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER		Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER		Location: Trip Blank C-1 Sample Date: 10/22/94 Lab Number: 10 0250120 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank C-2 Sample Date: 10/22/94 Lab Number: 10 0250210 Matrix: WATER		Location: Trip Blank C-3 Sample Date: 10/22/94 Lab Number: 10 0250279 Matrix: WATER		Location: Trip Blank Sample Date: 10/27/94 Lab Number: 10 0253650 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Sample Date: 10/29/94 Lab Number: 10 0256846 Matrix: WATER		Location: Trip Blank Sample Date: 10/31/94 Lab Number: 10 0256978 Matrix: WATER		Location: Trip Blank Sample Date: 10/28/94 Lab Number: 10 0255688 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank (water) Sample Date: 11/04/94 Lab Number: 10 0263184 Matrix: WATER		Location: Trip Blank Sample Date: 10/25/94 Lab Number: 10 0251976 Matrix: WATER		Location: Trip Blank (soil) Sample Date: 11/04/94 Lab Number: 10 0263176 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Sample Date: 11/09/94 Lab Number: 10 0267538 Matrix: WATER		Location: Trip Blank Sample Date: 11/10/94 Lab Number: 10 0268500 Matrix: WATER		Location: Trip Blank Cooler 1/1 Sample Date: 10/26/94 Lab Number: 10 0252964 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Cooler 2/2 Sample Date: 10/26/94 Lab Number: 10 0253049 Matrix: WATER		Location: Trip Blank Sample Date: 11/02/94 Lab Number: 10 0259098 Matrix: WATER		Location: Trip Blank Sample Date: 11/03/94 Lab Number: 10 0261025 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Sample Date: 11/01/94 Lab Number: 10 0257532 Matrix: WATER	
Methyl tert-butyl ether	1.0U
Benzene	1.0U
Ethyl benzene	1.3U
Toluene	1.0U
Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U

U - Indicates compound analyzed for but not detected.
GW - Groundwater
MW - Monitoring Well

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted)

Volatile Organics - Method 8020 / 8015

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER		Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER		Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.3U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.0U	Toluene	1.0U	Toluene	1.0U
Total xylenes	1.0U	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER		Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER		Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER	
Methyl tert-butyl ether	200U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	4400	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	4100	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	28000	Toluene	1.0	Toluene	1.5
Total xylenes	21000	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1200	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	3100	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

Volatile Organics - Method 8020 / 8015

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER		Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER		Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER	
Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U	Methyl tert-butyl ether	1.0U
Benzene	1.0U	Benzene	1.0U	Benzene	1.0U
Ethyl benzene	1.0U	Ethyl benzene	1.3U	Ethyl benzene	1.3U
Toluene	1.4	Toluene	1.1	Toluene	1.0U
Total xylenes	1.3	Total xylenes	1.0U	Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U	1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U	1,2,4-Trimethylbenzene	1.0U

MW- Monitoring Well
Dup- Duplicate

U- Indicates compound was analyzed for but not detected.

Appendix G
Summary of Volatile Organics Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Volatile Organics - Method 8020 / 8015

Location: Trip Blank Cooler 2/2 Sample Date: 12/21/94 Lab Number: 10 0304000 Matrix: WATER	
Methyl tert-butyl ether	1.0U
Benzene	1.0U
Ethyl benzene	1.3U
Toluene	1.0U
Total xylenes	1.0U
1,3,5-Trimethylbenzene	1.0U
1,2,4-Trimethylbenzene	1.0U

MW- Monitoring Well
Dup- Duplicate

U- Indicates compound was analyzed for but not detected.

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL		Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL		Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL	
Diesel Range Organic Compounds	67	Diesel Range Organic Compounds	140	Diesel Range Organic Compounds	50
Gasoline Range Organics	5.0U	Gasoline Range Organics	62	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL		Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL		Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL	
Diesel Range Organic Compounds	60	Diesel Range Organic Compounds	39	Diesel Range Organic Compounds	55
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-004PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260827 Matrix: SOIL		Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL		Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL	
Diesel Range Organic Compounds	52	Diesel Range Organic Compounds	49	Diesel Range Organic Compounds	98
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	6.5U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL	
Diesel Range Organic Compounds	49	Diesel Range Organic Compounds	49	Diesel Range Organic Compounds	-
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	-

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL		Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL		Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL	
Diesel Range Organic Compounds	31	Diesel Range Organic Compounds	70	Diesel Range Organic Compounds	16
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL		Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL		Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL	
Diesel Range Organic Compounds	46	Diesel Range Organic Compounds	14	Diesel Range Organic Compounds	21
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL		Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL		Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL	
Diesel Range Organic Compounds	65	Diesel Range Organic Compounds	52	Diesel Range Organic Compounds	30
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	-

Diesel Range Organics - Method 8015

Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL		Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL		Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL	
		Diesel Range Organic Compounds	25	Diesel Range Organic Compounds	84
Diesel Range Organic Compounds	58	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL		Location: 04-013PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259012 Matrix: SOIL		Location: 04-013PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259020 Matrix: SOIL	
Diesel Range Organic Compounds	68	Diesel Range Organic Compounds	76	Diesel Range Organic Compounds	56
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-013PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259039 Matrix: SOIL		Location: 04-014PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259047 Matrix: SOIL		Location: 04-014PS 7'-9' Sample Date: 11/02/94 Lab Number: 10 0259055 Matrix: SOIL	
Diesel Range Organic Compounds	99	Diesel Range Organic Compounds	18	Diesel Range Organic Compounds	300
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	2300

Diesel / Gasoline Range Organics - Method 8015

Location: 04-015PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259063 Matrix: SOIL		Location: 04-015PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259071 Matrix: SOIL		Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL	
Diesel Range Organic Compounds	19	Diesel Range Organic Compounds	1300	Diesel Range Organic Compounds	45
Gasoline Range Organics	9.3	Gasoline Range Organics	1000	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL		Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL		Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL	
Diesel Range Organic Compounds	15	Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	150
Gasoline Range Organics	5.0U	Gasoline Range Organics	18	Gasoline Range Organics	25

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL		Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL	
Diesel Range Organic Compounds	14	Diesel Range Organic Compounds	70		
Gasoline Range Organics	8.0	Gasoline Range Organics	100	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-020PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263087 Matrix: SOIL		Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL		Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL	
Diesel Range Organic Compounds	23			Diesel Range Organic Compounds	69
Gasoline Range Organics	-	Gasoline Range Organics	24	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL		Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL		Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL	
Diesel Range Organic Compounds	17	Diesel Range Organic Compounds	24	Diesel Range Organic Compounds	24
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL		Location: 04-023PS 1'-3' Resample Sample Date: 11/04/94 Lab Number: 10 0263109 Matrix: SOIL		Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL	
Gasoline Range Organics	5.0U	Diesel Range Organic Compounds	10U	Gasoline Range Organics	5.0U

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MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-023PS 3'-5' Resample Sample Date: 11/04/94 Lab Number: 10 0263117 Matrix: SOIL		Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL		Location: 04-023PS 5'-7' Resample Sample Date: 11/04/94 Lab Number: 10 0263125 Matrix: SOIL	
Diesel Range Organic Compounds	39	Gasoline Range Organics	5.0U	Diesel Range Organic Compounds	25

Diesel / Gasoline Range Organics - Method 8015

Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL		Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL		Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL	
Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	72	Diesel Range Organic Compounds	56
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL		Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL		Location: 04-026PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255670 Matrix: SOIL	
Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	62	Diesel Range Organic Compounds	25
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-027PS 1'-3' Resample Sample Date: 11/04/94 Lab Number: 10 0263133 Matrix: SOIL		Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL		Location: 04-027PS 5'-7' Resample Sample Date: 11/04/94 Lab Number: 10 0263141 Matrix: SOIL	
Diesel Range Organic Compounds	10U			Diesel Range Organic Compounds	67
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	-

U - Indicates compound analyzed for but not detected.
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MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL		Location: 04-028PS 1'-3' Resample Sample Date: 11/04/94 Lab Number: 10 0263150 Matrix: SOIL		Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL	
		Diesel Range Organic Compounds	460		
Gasoline Range Organics	220	Gasoline Range Organics	-	Gasoline Range Organics	1600

Diesel / Gasoline Range Organics - Method 8015

Location: 04-028PS 5'-7' Resample Sample Date: 11/04/94 Lab Number: 10 0263168 Matrix: SOIL		Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL		Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL	
		Diesel Range Organic Compounds	45	Diesel Range Organic Compounds	32
Diesel Range Organic Compounds	790	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL		Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL		Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL	
Diesel Range Organic Compounds	19	Diesel Range Organic Compounds	15	Diesel Range Organic Compounds	14
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL		Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL		Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL	
Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	8.3J
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL		Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL		Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL	
Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	5.1J
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL		Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL		Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL	
Diesel Range Organic Compounds	26	Diesel Range Organic Compounds	39	Diesel Range Organic Compounds	65
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL		Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL		Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL	
Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	10U	Diesel Range Organic Compounds	100
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL		Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL		Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL	
Diesel Range Organic Compounds	19	Diesel Range Organic Compounds	30	Diesel Range Organic Compounds	98
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per kilogram unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL		Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL		Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL	
Diesel Range Organic Compounds	21	Diesel Range Organic Compounds	54	Diesel Range Organic Compounds	15
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL		Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL		Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL	
Diesel Range Organic Compounds	22	Diesel Range Organic Compounds	62	Diesel Range Organic Compounds	500
Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U	Gasoline Range Organics	3500

Diesel / Gasoline Range Organics - Method 8015

Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL		Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL		Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL	
Diesel Range Organic Compounds	1700	Diesel Range Organic Compounds	83	Diesel Range Organic Compounds	26
Gasoline Range Organics	4600	Gasoline Range Organics	5.0U	Gasoline Range Organics	5.0U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL	
Diesel Range Organic Compounds	58
Gasoline Range Organics	5.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER		Location: 04-002PS GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER		Location: 04-003PS GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	120	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-005PS GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER		Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER		Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER	
Diesel Range Organic Compounds	0.21	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	280	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER		Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER		Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER	
Diesel Range Organic Compounds	0.13	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER		Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER		Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	53	Diesel Range Organic Compounds	48
Gasoline Range Organics	50U	Gasoline Range Organics	78000	Gasoline Range Organics	74000

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER		Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER		Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	1.4	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER		Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER		Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	240	Gasoline Range Organics	55000	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER		Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER		Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER		Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER		Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.22	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER		Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER		Location: Split Spoon Eq. Blank Sample Date: 10/28/94 Lab Number: 10 0255599 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER		Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER		Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER	
Diesel Range Organic Compounds	0.22	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	95	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER		Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER		Location: Trip Blank C-1 Sample Date: 10/22/94 Lab Number: 10 0250120 Matrix: WATER	
Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.29	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank C-2 Sample Date: 10/22/94 Lab Number: 10 0250210 Matrix: WATER		Location: Trip Blank C-3 Sample Date: 10/22/94 Lab Number: 10 0250279 Matrix: WATER		Location: Trip Blank Sample Date: 10/27/94 Lab Number: 10 0253650 Matrix: WATER	
Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Diesel/Gasoline Range Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank Sample Date: 10/29/94 Lab Number: 10 0256846 Matrix: WATER		Location: Trip Blank Sample Date: 10/31/94 Lab Number: 10 0256978 Matrix: WATER		Location: Trip Blank Sample Date: 11/01/94 Lab Number: 10 0256978 Matrix: WATER	
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Gasoline Range Organics - Method 8015

Location: Trip Blank Sample Date: 10/28/94 Lab Number: 10 0255688 Matrix: WATER		Location: Trip Blank (water) Sample Date: 11/04/94 Lab Number: 10 0263184 Matrix: WATER		Location: Trip Blank Sample Date: 10/25/94 Lab Number: 10 0251976 Matrix: WATER	
Diesel Range Organic Compounds	-			Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank (soil) Sample Date: 11/04/94 Lab Number: 10 0263176 Matrix: WATER		Location: Trip Blank Sample Date: 11/09/94 Lab Number: 10 0267538 Matrix: WATER		Location: Trip Blank Sample Date: 11/10/94 Lab Number: 10 0268500 Matrix: WATER	
Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Trip Blank Cooler 1/1 Sample Date: 10/26/94 Lab Number: 10 0252964 Matrix: WATER		Location: Trip Blank Sample Date: 11/02/94 Lab Number: 10 0259098 Matrix: WATER		Location: Trip Blank Sample Date: 11/03/94 Lab Number: 10 0261025 Matrix: WATER	
Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
GW - Groundwater

Dup - Duplicate
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Gasoline/Diesel Compounds Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless noted)

Diesel / Gasoline Range Organics - Method 8015

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER		Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER		Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER	
Diesel Range Organic Compound	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	0.13
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER		Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER		Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER	
Diesel Range Organic Compound	60	Diesel Range Organic Compounds	0.10	Diesel Range Organic Compounds	0.10U
Gasoline Range Organics	100000	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Diesel / Gasoline Range Organics - Method 8015

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER		Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER		Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER	
Diesel Range Organic Compound	0.10U	Diesel Range Organic Compounds	0.10U	Diesel Range Organic Compounds	-
Gasoline Range Organics	50U	Gasoline Range Organics	50U	Gasoline Range Organics	50U

Gasoline Range Organics - Method 8015

Location: Trip Blank Cooler 2/2 Sample Date: 12/21/94 Lab Number: 10 0304000 Matrix: WATER	
Gasoline Range Organics	50U

MW- Monitoring Well
Dup- Duplicate

U- Indicates compound analyzed for but was not detected.

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL	Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL	Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL
Lead 7.5	Lead 7.0	Lead 6.0

Lead - Method 6010

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL	Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL	Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL
Lead 6.0	Lead 5.8	Lead 6.4

Lead - Method 6010

Location: 04-004PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260827 Matrix: SOIL	Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL	Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL
Lead 12	Lead 14	Lead 7.5

Lead - Method 6010

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL	Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL	Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL
Lead 6.3	Lead 7.0	Lead 9.0

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL	Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL	Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL
Lead 3.2	Lead 8.0	Lead 7.8

Lead - Method 6010

Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL	Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL	Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL
Lead 7.9	Lead 7.1	Lead -

Lead - Method 6010

Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL	Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL	Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL
Lead 7.7	Lead 4.5	Lead 7.3

Lead - Method 6010

Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL	Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL	Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL
Lead 8.4	Lead 7.8	Lead -

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-013PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259012 Matrix: SOIL	Location: 04-013PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259020 Matrix: SOIL	Location: 04-013PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259039 Matrix: SOIL
Lead 14	Lead 22	Lead -

Lead - Method 6010

Location: 04-014PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259047 Matrix: SOIL	Location: 04-014PS 7'-9' Sample Date: 11/02/94 Lab Number: 10 0259055 Matrix: SOIL	Location: 04-015PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259063 Matrix: SOIL
Lead 15	Lead 50	Lead 9.9

Lead - Method 6010

Location: 04-015PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259071 Matrix: SOIL	Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL	Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL
Lead 14	Lead 6.2	Lead 5.3

Lead - Method 6010

Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL	Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL	Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL
Lead 11	Lead 5.1	Lead 12

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL	Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL	Location: 04-020PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263087 Matrix: SOIL
Lead 6.2	Lead 13	Lead -

Lead - Method 6010

Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL	Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL	Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL
Lead 5.8	Lead 15	Lead 4.0

Lead - Method 6010

Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL	Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL	Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL
Lead 1.6	Lead 6.2	Lead 12

Lead - Method 6010

Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL	Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL	Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL
Lead 10	Lead 2.7	Lead 9.9

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL	Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL	Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL
Lead 5.6	Lead 18	Lead 11

Lead - Method 6010

Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL	Location: 04-026PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255661 Matrix: SOIL	Location: 04-026PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0255670 Matrix: SOIL
Lead 7.9	Lead -	Lead 1.6

Lead - Method 6010

Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL	Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL	Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL
Lead 4.4	Lead 48	Lead 11

Lead - Method 6010

Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL	Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL	Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL
Lead 15	Lead 7.0	Lead 13

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL	Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL	Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL
Lead 5.4	Lead 16	Lead 5.8

Lead - Method 6010

Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL	Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL	Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL
Lead 6.0	Lead 6.3	Lead 10

Lead - Method 6010

Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL	Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL	Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL
Lead 9.4	Lead 12	Lead 5.7

Lead - Method 6010

Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL	Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL	Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL
Lead 12	Lead -	Lead 8.3

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL	Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL	Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL
Lead 9.6	Lead 25	Lead 6.5

Lead - Method 6010

Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL	Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL	Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL
Lead 7.6	Lead 5.9	Lead 93

Lead - Method 6010

Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL	Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL	Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL
Lead -	Lead 14	Lead 7.4

Lead - Method 6010

Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL	Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL	Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL
Lead 9.0	Lead -	Lead 20

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Lead - Method 6010

Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL	Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL	Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL
Lead 6.6	Lead 6.4	Lead 3.2

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Device

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Lead - Method 239.2

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER	Location: 04-002PS-GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER	Location: 04-003PS-GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER
Lead 45	Lead 9.6	Lead 3.0U

Lead - Method 239.2

Location: 04-005PS-GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER	Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER	Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER
Lead 3.0U	Lead 68	Lead 5.5

Lead - Method 239.2

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER	Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER	Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER
Lead -	Lead 3.0U	Lead 42

Lead - Method 239.2

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER	Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER	Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER
Lead 6.8	Lead 410	Lead 240

U - Indicates compound analyzed for but not detected
MW - Monitor Well
GW - Groundwater

PS - Push Sample
PZ - Piezometer
Dup - Duplicate

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Lead - Method 239.2

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER	Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER	Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER
Lead 52	Lead 26	Lead 27

Lead - Method 239.2

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER	Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER	Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER
Lead 290	Lead -	Lead 170

Lead - Method 239.2

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER	Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER	Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead 9.3

Lead - Method 239.2

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER	Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER	Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER
Lead 3.0U	Lead 100	Lead 3.0U

U - Indicates compound analyzed for but not detected
MW - Monitor Well
GW - Groundwater

PS - Push Sample
PZ - Piezometer
Dup - Duplicate

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Lead - Method 239.2

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER	Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER	Location: Split Spoon Eq. Blank Sample Date: 10/28/94 Lab Number: 10 0255599 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead 3.0U

Lead - Method 239.2

Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER	Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER	Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER
Lead 82	Lead 3.0U	Lead 3.0U

Lead - Method 239.2

Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER	Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER	Location: Equipment Blank (Bailer) Sample Date: 11/09/94 Lab Number: 10 0268496 Matrix: WATER
Lead 3.0U	Lead 9.6	Lead 9.3

U - Indicates compound analyzed for but not detected
MW - Monitor Well
GW - Groundwater

PS - Push Sample
PZ - Piezometer
Dup - Duplicate

Appendix G
Summary of Lead Analytes Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted)

Lead - Method 239.2

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER	Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER	Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead 3.4

Lead - Method 239.2

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER	Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER	Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER
Lead 260	Lead 4.2	Lead 13

Lead - Method 239.2

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER	Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER	Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER
Lead 3.0U	Lead 3.0U	Lead -

MW- Monitoring Well
Dup- Duplicate

U- Indicates compound was analyzed for but not detected.

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-001PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250198 Matrix: SOIL		Location: 04-001PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250201 Matrix: SOIL		Location: 04-002PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250074 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	20.0U	Naphthalene	20.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	4.0U
Phenanthrene	7.0U	Phenanthrene	7.0U	Phenanthrene	7.0U
Anthracene	2.0U	Anthracene	2.0U	Anthracene	2.0U
Fluoranthene	8.0U	Fluoranthene	8.0U	Fluoranthene	8.0U
Pyrene	3.0U	Pyrene	3.0U	Pyrene	3.0U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U
Chrysene	10.0U	Chrysene	10.0U	Chrysene	10.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250082 Matrix: SOIL		Location: 04-003PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250090 Matrix: SOIL		Location: 04-003PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250104 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	20.0U	Naphthalene	20.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	4.0U
Phenanthrene	7.0U	Phenanthrene	7.0U	Phenanthrene	7.0U
Anthracene	2.0U	Anthracene	2.0U	Anthracene	2.0U
Fluoranthene	8.0U	Fluoranthene	8.0U	Fluoranthene	8.0U
Pyrene	3.0U	Pyrene	3.0U	Pyrene	3.0U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U
Chrysene	10.0U	Chrysene	10.0U	Chrysene	10.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-004PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260827 Matrix: SOIL		Location: 04-005PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250163 Matrix: SOIL		Location: 04-005PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250171 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	5490	Naphthalene	20.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	4.0U
Phenanthrene	136	Phenanthrene	7.0U	Phenanthrene	7.0U
Anthracene	41.4	Anthracene	2.0U	Anthracene	2.0U
Fluoranthene	541	Fluoranthene	411	Fluoranthene	8.0U
Pyrene	292	Pyrene	44.2	Pyrene	3.0U
Benzo(a)anthracene	179	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U
Chrysene	128	Chrysene	40.1	Chrysene	10.0U
Benzo(b)fluoranthene	101	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	63.4	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	127	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	43.7	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	105	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2370	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	8780	2-Methyl Naphthalene	10.0U

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FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-006PS 1'-3' Sample Date: 10/22/94 Lab Number: 10 0250139 Matrix: SOIL		Location: 04-006PS 5'-7' Sample Date: 10/22/94 Lab Number: 10 0250147 Matrix: SOIL		Location: 04-007PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251917 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	20.0U	Naphthalene	4.0U
Acenaphthylene	300U	Acenaphthylene	300U	Acenaphthylene	60.0U
Acenaphthene	20.0U	Acenaphthene	20.0U	Acenaphthene	4.0U
Fluorene	4.0U	Fluorene	4.0U	Fluorene	0.8U
Phenanthrene	7.0U	Phenanthrene	7.0U	Phenanthrene	1.4U
Anthracene	2.0U	Anthracene	2.0U	Anthracene	0.4U
Fluoranthene	8.0U	Fluoranthene	8.0U	Fluoranthene	1.6U
Pyrene	3.0U	Pyrene	3.0U	Pyrene	0.6U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	16.0U	Benzo(a)anthracene	3.2U
Chrysene	10.0U	Chrysene	10.0U	Chrysene	2.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	1.0U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-007PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251925 Matrix: SOIL		Location: 04-008PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251933 Matrix: SOIL		Location: 04-008PS 8'-10' Sample Date: 10/25/94 Lab Number: 10 0251941 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	4.0U	Naphthalene	20.0U
Acenaphthylene	300	Acenaphthylene	60.0U	Acenaphthylene	300U
Acenaphthene	20.0U	Acenaphthene	4.0U	Acenaphthene	20.0U
Fluorene	4.0U	Fluorene	0.8U	Fluorene	4.0U
Phenanthrene	7.0U	Phenanthrene	1.4U	Phenanthrene	7.0U
Anthracene	2.0U	Anthracene	0.4U	Anthracene	2.0U
Fluoranthene	8.0U	Fluoranthene	1.6U	Fluoranthene	8.0U
Pyrene	3.0U	Pyrene	18.6	Pyrene	3.0U
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	8.6	Benzo(a)anthracene	16.0U
Chrysene	10.0U	Chrysene	5.7	Chrysene	10.0U
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	10.0U
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	2.0U
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	1.0U
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	5.0U
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	5.0U
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	5.0U
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	10.0U
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	10.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-009PS 1'-3' Sample Date: 10/25/94 Lab Number: 10 0251950 Matrix: SOIL		Location: 04-009PS 5'-7' Sample Date: 10/25/94 Lab Number: 10 0251968 Matrix: SOIL		Location: 04-010PS 1'-3' Sample Date: 10/26/94 Lab Number: 10 0253006 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	4.0U	Naphthalene	-
Acenaphthylene	300U	Acenaphthylene	60.0U	Acenaphthylene	-
Acenaphthene	20.0U	Acenaphthene	4.0U	Acenaphthene	-
Fluorene	4.0U	Fluorene	0.8U	Fluorene	-
Phenanthrene	7.0U	Phenanthrene	1.4U	Phenanthrene	-
Anthracene	2.0U	Anthracene	0.4U	Anthracene	-
Fluoranthene	8.0U	Fluoranthene	1.6U	Fluoranthene	-
Pyrene	3.0U	Pyrene	0.6U	Pyrene	-
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-
Chrysene	10.0U	Chrysene	2.0U	Chrysene	-
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	2.0U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	1.0U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	5.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	5.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	10.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-010PS 3'-5' FD Sample Date: 10/26/94 Lab Number: 10 0253014 Matrix: SOIL		Location: 04-010PS 5'-7' Sample Date: 10/26/94 Lab Number: 10 0253022 Matrix: SOIL		Location: 04-010PS 8'-10' Sample Date: 10/26/94 Lab Number: 10 0253030 Matrix: SOIL	
Naphthalene	-	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	-	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	-	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	-	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	-	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	-	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	-	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	-	Pyrene	0.6U	Pyrene	0.6U
Benzo(a)anthracene	-	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	-	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	-	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	-	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	-	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-011PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0258989 Matrix: SOIL		Location: 04-011PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0258997 Matrix: SOIL		Location: 04-012PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259004 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	-
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	-
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	-
Fluorene	0.8U	Fluorene	0.8U	Fluorene	-
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	-
Anthracene	0.4U	Anthracene	0.4U	Anthracene	-
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	-
Pyrene	0.6U	Pyrene	0.6U	Pyrene	-
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-
Chrysene	2.0U	Chrysene	2.0U	Chrysene	-
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-013PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259012 Matrix: SOIL		Location: 04-013PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259020 Matrix: SOIL		Location: 04-013PS 5'-7' Sample Date: 11/02/94 Lab Number: 10 0259039 Matrix: SOIL	
Naphthalene	20.0U	Naphthalene	10.0U	Naphthalene	-
Acenaphthylene	300U	Acenaphthylene	150U	Acenaphthylene	-
Acenaphthene	20.0U	Acenaphthene	10.0U	Acenaphthene	-
Fluorene	4.0U	Fluorene	2.0U	Fluorene	-
Phenanthrene	7.0U	Phenanthrene	3.5U	Phenanthrene	-
Anthracene	2.0U	Anthracene	1.0U	Anthracene	-
Fluoranthene	8.0U	Fluoranthene	4.0U	Fluoranthene	-
Pyrene	3.0U	Pyrene	1.5U	Pyrene	-
Benzo(a)anthracene	16.0U	Benzo(a)anthracene	750	Benzo(a)anthracene	-
Chrysene	10.0U	Chrysene	532	Chrysene	-
Benzo(b)fluoranthene	10.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	6060	Benzo(k)fluoranthene	235	Benzo(k)fluoranthene	-
Benzo(a)pyrene	11200	Benzo(a)pyrene	395	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	3830	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	5.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	9180	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	10.U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	10.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	-

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Appendix G
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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
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Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-014PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259047 Matrix: SOIL		Location: 04-014PS 7'-9' Sample Date: 11/02/94 Lab Number: 10 0259055 Matrix: SOIL		Location: 04-015PS 1'-3' Sample Date: 11/02/94 Lab Number: 10 0259063 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	0.6U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-015PS 3'-5' Sample Date: 11/02/94 Lab Number: 10 0259071 Matrix: SOIL		Location: 04-016PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260835 Matrix: SOIL		Location: 04-017PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260843 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	0.8U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	0.4U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	0.6U	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	2.0U	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-018PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260860 Matrix: SOIL		Location: 04-018PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260894 Matrix: SOIL		Location: 04-019PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255602 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	2.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	30.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	2.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.4U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	0.7U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.2U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	0.8U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	0.3U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	1.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U

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Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-019PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255610 Matrix: SOIL		Location: 04-020PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253570 Matrix: SOIL		Location: 04-020PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253588 Matrix: SOIL	
Naphthalene	10.0U	Naphthalene	2.0U	Naphthalene	2.0U
Acenaphthylene	150U	Acenaphthylene	30.0U	Acenaphthylene	30.0U
Acenaphthene	10.0U	Acenaphthene	2.0U	Acenaphthene	2.0U
Fluorene	2.0U	Fluorene	0.4U	Fluorene	0.4U
Phenanthrene	3.5U	Phenanthrene	0.7U	Phenanthrene	0.7U
Anthracene	1.0U	Anthracene	0.2U	Anthracene	0.2U
Fluoranthene	4.0U	Fluoranthene	0.8U	Fluoranthene	0.8U
Pyrene	1.5U	Pyrene	0.3U	Pyrene	0.3U
Benzo(a)anthracene	8.0U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	1.6U
Chrysene	5.0U	Chrysene	1.0U	Chrysene	1.0U
Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	1.0U

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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-028PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253642 Matrix: SOIL		Location: 04-029PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256749 Matrix: SOIL		Location: 04-029PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256757 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	0.4U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	0.2U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	0.3U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	1.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-030PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256790 Matrix: SOIL		Location: 04-030PS 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256803 Matrix: SOIL		Location: 04-031PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260932 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	5.6
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.7
Chrysene	1.0U	Chrysene	2.0U	Chrysene	4.1
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-031PS 5'-7' Sample Date: 11/03/94 Lab Number: 10 0260959 Matrix: SOIL		Location: 04-032PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260975 Matrix: SOIL		Location: 04-033PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262951 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	10.U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	150U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	10.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	2.0U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	3.5U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	1.0U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	4.0U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	25.4	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	16.4	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	14.3	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	1.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-033PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262960 Matrix: SOIL		Location: 04-034PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0262978 Matrix: SOIL		Location: 04-034PS 3'-5' Sample Date: 11/04/94 Lab Number: 10 0262986 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	0.4U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	0.2U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	0.3U	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	1.0U	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	1.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-034PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0262994 Matrix: SOIL		Location: 04-035PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256951 Matrix: SOIL		Location: 04-035PS 5'-7' Sample Date: 10/31/94 Lab Number: 10 0256960 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	-
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	-
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	-
Fluorene	0.8U	Fluorene	0.8U	Fluorene	-
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	-
Anthracene	0.4U	Anthracene	0.4U	Anthracene	-
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	-
Pyrene	0.6U	Pyrene	0.6U	Pyrene	-
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-
Chrysene	2.0U	Chrysene	2.0U	Chrysene	-
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-

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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
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Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-036PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263001 Matrix: SOIL		Location: 04-037PS 1'-3' Sample Date: 11/04/94 Lab Number: 10 0263010 Matrix: SOIL		Location: 04-037PS 5'-7' Sample Date: 11/04/94 Lab Number: 10 0263028 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	0.4U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	0.2U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	0.3U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	1.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U

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128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-038PS 1'-3' Sample Date: 10/31/94 Lab Number: 10 0256927 Matrix: SOIL		Location: 04-038PS 5'-7' MS/MSD Sample Date: 10/31/94 Lab Number: 10 0256935 Matrix: SOIL		Location: 04-038PS 10'-12' Sample Date: 10/31/94 Lab Number: 10 0256943 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	1.6U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	0.6U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-001PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257427 Matrix: SOIL		Location: 04-001PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257435 Matrix: SOIL		Location: 04-002PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257443 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	-	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	-	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	-	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	-	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	-	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	-	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	-	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	-	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	-	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	-	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	-	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	-	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	-	2-Methyl Naphthalene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257451 Matrix: SOIL		Location: 04-003PZ 1'-3' Sample Date: 11/01/94 Lab Number: 10 0257460 Matrix: SOIL		Location: 04-003PZ 3'-5' Dup Sample Date: 11/01/94 Lab Number: 10 0257478 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	2.0U	Naphthalene	-
Acenaphthylene	60.0U	Acenaphthylene	30.0U	Acenaphthylene	-
Acenaphthene	4.0U	Acenaphthene	2.0U	Acenaphthene	-
Fluorene	0.8U	Fluorene	0.4U	Fluorene	-
Phenanthrene	1.4U	Phenanthrene	0.7U	Phenanthrene	-
Anthracene	0.4U	Anthracene	0.2U	Anthracene	-
Fluoranthene	1.6U	Fluoranthene	0.8U	Fluoranthene	-
Pyrene	0.6U	Pyrene	0.3U	Pyrene	-
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	-
Chrysene	2.0U	Chrysene	1.0U	Chrysene	-
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	-

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-003PZ 5'-7' Sample Date: 11/01/94 Lab Number: 10 0257508 Matrix: SOIL		Location: 04-004PZ 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256811 Matrix: SOIL		Location: 04-004PZ 5'-7' Sample Date: 10/29/94 Lab Number: 10 0256820 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	10.0U	Naphthalene	2.0U
Acenaphthylene	60.0U	Acenaphthylene	150U	Acenaphthylene	30.0U
Acenaphthene	4.0U	Acenaphthene	10.0U	Acenaphthene	2.0U
Fluorene	0.8U	Fluorene	2.0U	Fluorene	0.4U
Phenanthrene	1.4U	Phenanthrene	3.5U	Phenanthrene	0.7U
Anthracene	0.4U	Anthracene	1.0U	Anthracene	0.2U
Fluoranthene	1.6U	Fluoranthene	4.0U	Fluoranthene	0.8U
Pyrene	0.6U	Pyrene	1.5U	Pyrene	0.3U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	8.0U	Benzo(a)anthracene	1.6U
Chrysene	2.0U	Chrysene	5.0U	Chrysene	1.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-004PZ 8'-10' Sample Date: 10/29/94 Lab Number: 10 0256838 Matrix: SOIL	
Naphthalene	4.0U
Acenaphthylene	60.0U
Acenaphthene	4.0U
Fluorene	0.8U
Phenanthrene	1.4U
Anthracene	0.4U
Fluoranthene	1.6U
Pyrene	0.6U
Benzo(a)anthracene	3.2U
Chrysene	2.0U
Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-001PS GW Sample Date: 10/25/94 Lab Number: 10 0251909 Matrix: WATER		Location: 04-002PS GW Sample Date: 10/22/94 Lab Number: 10 0250180 Matrix: WATER		Location: 04-003PS GW Sample Date: 10/22/94 Lab Number: 10 0250112 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-021PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255629 Matrix: SOIL		Location: 04-021PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255637 Matrix: SOIL		Location: 04-022PS 1'-3' Sample Date: 10/28/94 Lab Number: 10 0255645 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	50.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	750U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	50.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	10.0U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	17.5U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	5.0U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	20.0U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	7.5U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	40.0U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	25.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	25.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	5.0U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	2.5U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	12.5U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	12.5U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	12.5U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	25.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	25.0U

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PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-022PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255653 Matrix: SOIL		Location: 04-023PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253596 Matrix: SOIL		Location: 04-023PS 3'-5' MS/MSD Sample Date: 10/27/94 Lab Number: 10 0253600 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	2.0U	Naphthalene	4.0U
Acenaphthylene	30.0U	Acenaphthylene	30.0U	Acenaphthylene	60.0U
Acenaphthene	2.0U	Acenaphthene	2.0U	Acenaphthene	4.0U
Fluorene	0.4U	Fluorene	0.4U	Fluorene	0.8U
Phenanthrene	0.7U	Phenanthrene	0.7U	Phenanthrene	1.4U
Anthracene	0.2U	Anthracene	0.2U	Anthracene	0.4U
Fluoranthene	0.8U	Fluoranthene	0.8U	Fluoranthene	1.6U
Pyrene	0.3U	Pyrene	0.3U	Pyrene	0.6U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U
Chrysene	1.0U	Chrysene	1.0U	Chrysene	2.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U

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PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-023PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253618 Matrix: SOIL		Location: 04-024PS 1'-3' Sample Date: 11/03/94 Lab Number: 10 0260908 Matrix: SOIL		Location: 04-024PS 3'-5' Sample Date: 11/03/94 Lab Number: 10 0260916 Matrix: SOIL	
Naphthalene	4.0U	Naphthalene	10.0U	Naphthalene	4.0U
Acenaphthylene	60.0U	Acenaphthylene	150U	Acenaphthylene	60.0U
Acenaphthene	4.0U	Acenaphthene	10.0U	Acenaphthene	4.0U
Fluorene	0.8U	Fluorene	2.0U	Fluorene	0.8U
Phenanthrene	1.4U	Phenanthrene	3.5U	Phenanthrene	1.4U
Anthracene	0.4U	Anthracene	1.0U	Anthracene	0.4U
Fluoranthene	1.6U	Fluoranthene	4.0U	Fluoranthene	1.6U
Pyrene	0.6U	Pyrene	1.5U	Pyrene	0.6U
Benzo(a)anthracene	3.2U	Benzo(a)anthracene	8.0U	Benzo(a)anthracene	3.2U
Chrysene	2.0U	Chrysene	5.0U	Chrysene	2.0U
Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	5.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	1.0U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.5U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	2.5U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	2.5U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	2.5U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	5.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	5.0U	2-Methyl Naphthalene	2.0U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-025PS 1'-3' Sample Date: 10/29/94 Lab Number: 10 0256765 Matrix: SOIL		Location: 04-025PS 3'-5' Dup Sample Date: 10/29/94 Lab Number: 10 0256773 Matrix: SOIL		Location: 04-025PS 10'-12' Sample Date: 10/29/94 Lab Number: 10 0256781 Matrix: SOIL	
Naphthalene	50.0U	Naphthalene	4.0U	Naphthalene	4.0U
Acenaphthylene	750U	Acenaphthylene	60.0U	Acenaphthylene	60.0U
Acenaphthene	50.0U	Acenaphthene	4.0U	Acenaphthene	4.0U
Fluorene	10.0U	Fluorene	0.8U	Fluorene	0.8U
Phenanthrene	7990	Phenanthrene	1.4U	Phenanthrene	1.4U
Anthracene	2260	Anthracene	0.4U	Anthracene	0.4U
Fluoranthene	15300	Fluoranthene	344	Fluoranthene	1.6U
Pyrene	8150	Pyrene	200	Pyrene	0.6U
Benzo(a)anthracene	3740	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	3.2U
Chrysene	2530	Chrysene	2.0U	Chrysene	2.0U
Benzo(b)fluoranthene	1620	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	2.0U
Benzo(k)fluoranthene	995	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.4U
Benzo(a)pyrene	2250	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.2U
Indeno(1,2,3-cd)pyrene	12.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	1.0U
Dibenzo(a,h)anthracene	12.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	1.0U
Benzo(g,h,i)perylene	1140	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	1.0U
1-Methyl Naphthalene	25.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	2.0U
2-Methyl Naphthalene	25.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	2.0U

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MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Soil Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per kilogram unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-026PS 5'-7' Sample Date: 10/28/94 Lab Number: 10 0255670 Matrix: SOIL		Location: 04-027PS 5'-7' Sample Date: 10/27/94 Lab Number: 10 0253626 Matrix: SOIL		Location: 04-028PS 1'-3' Sample Date: 10/27/94 Lab Number: 10 0253634 Matrix: SOIL	
Naphthalene	2.0U	Naphthalene	4.0U	Naphthalene	2.0U
Acenaphthylene	30.0U	Acenaphthylene	60.0U	Acenaphthylene	30.0U
Acenaphthene	2.0U	Acenaphthene	4.0U	Acenaphthene	2.0U
Fluorene	0.4U	Fluorene	0.8U	Fluorene	0.4U
Phenanthrene	0.7U	Phenanthrene	1.4U	Phenanthrene	0.7U
Anthracene	0.2U	Anthracene	0.4U	Anthracene	0.2U
Fluoranthene	0.8U	Fluoranthene	1.6U	Fluoranthene	0.8U
Pyrene	0.3U	Pyrene	0.6U	Pyrene	0.3U
Benzo(a)anthracene	1.6U	Benzo(a)anthracene	3.2U	Benzo(a)anthracene	1.6U
Chrysene	1.0U	Chrysene	2.0U	Chrysene	1.0U
Benzo(b)fluoranthene	1.0U	Benzo(b)fluoranthene	2.0U	Benzo(b)fluoranthene	1.0U
Benzo(k)fluoranthene	0.2U	Benzo(k)fluoranthene	0.4U	Benzo(k)fluoranthene	0.2U
Benzo(a)pyrene	0.1U	Benzo(a)pyrene	0.2U	Benzo(a)pyrene	0.1U
Indeno(1,2,3-cd)pyrene	0.5U	Indeno(1,2,3-cd)pyrene	1.0U	Indeno(1,2,3-cd)pyrene	0.5U
Dibenzo(a,h)anthracene	0.5U	Dibenzo(a,h)anthracene	1.0U	Dibenzo(a,h)anthracene	0.5U
Benzo(g,h,i)perylene	0.5U	Benzo(g,h,i)perylene	1.0U	Benzo(g,h,i)perylene	0.5U
1-Methyl Naphthalene	1.0U	1-Methyl Naphthalene	2.0U	1-Methyl Naphthalene	1.0U
2-Methyl Naphthalene	1.0U	2-Methyl Naphthalene	2.0U	2-Methyl Naphthalene	1.0U

U - Indicates compound analyzed for but not detected.
Dup - Duplicate
MS/MSD - Matrix Spike/Matrix Spike Duplicate

PS - Push Sample
PZ - Piezometer
FD - Field Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-005PS GW Sample Date: 10/25/94 Lab Number: 10 0251895 Matrix: WATER		Location: 04-006PS GW Sample Date: 10/22/94 Lab Number: 10 0250155 Matrix: WATER		Location: 04-007PS GW Sample Date: 10/26/94 Lab Number: 10 0252972 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	4.47	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.14	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.63	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U - Indicates compound analyzed for but not detected.
MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
PS - Push Sample
PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-008PS GW Sample Date: 10/26/94 Lab Number: 10 0252999 Matrix: WATER		Location: 04-009PS GW Sample Date: 10/26/94 Lab Number: 10 0252980 Matrix: WATER		Location: 04-001MW Sample Date: 11/09/94 Lab Number: 10 0267511 Matrix: WATER	
Naphthalene	-	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	-	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	-	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	-	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	-	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	-	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	-	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	-	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	-	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	-	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	-	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	-	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	-	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002MW Sample Date: 11/10/94 Lab Number: 10 0268488 Matrix: WATER		Location: 04-003MW Sample Date: 11/10/94 Lab Number: 10 0268461 Matrix: WATER		Location: 04-003MW Dup Sample Date: 11/10/94 Lab Number: 10 0268470 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	518.3
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	97.95
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	421.5

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-004MW Sample Date: 11/09/94 Lab Number: 10 0267520 Matrix: WATER		Location: 04-005MW Sample Date: 11/10/94 Lab Number: 10 0268453 Matrix: WATER		Location: 04-001PZ GW Sample Date: 11/04/94 Lab Number: 10 0263036 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
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PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 04-002PZ GW Sample Date: 11/04/94 Lab Number: 10 0263044 Matrix: WATER		Location: 04-003PZ GW Sample Date: 11/04/94 Lab Number: 10 0263052 Matrix: WATER		Location: 04-004PZ GW Sample Date: 11/02/94 Lab Number: 10 0259080 Matrix: WATER	
Naphthalene	0.02U	Naphthalene	-	Naphthalene	0.50U
Acenaphthylene	0.52U	Acenaphthylene	-	Acenaphthylene	1.30U
Acenaphthene	0.20U	Acenaphthene	-	Acenaphthene	0.50U
Fluorene	0.08U	Fluorene	-	Fluorene	0.20U
Phenanthrene	0.14U	Phenanthrene	-	Phenanthrene	3.88
Anthracene	0.04U	Anthracene	-	Anthracene	1.05
Fluoranthene	0.14U	Fluoranthene	-	Fluoranthene	8.05
Pyrene	0.04U	Pyrene	-	Pyrene	5.06
Benzo(a)anthracene	0.16U	Benzo(a)anthracene	-	Benzo(a)anthracene	3.16
Chrysene	0.12U	Chrysene	-	Chrysene	2.36
Benzo(b)fluoranthene	0.10U	Benzo(b)fluoranthene	-	Benzo(b)fluoranthene	3.73
Benzo(k)fluoranthene	0.04U	Benzo(k)fluoranthene	-	Benzo(k)fluoranthene	1.57
Benzo(a)pyrene	0.04U	Benzo(a)pyrene	-	Benzo(a)pyrene	3.02
Indeno(1,2,3-cd)pyrene	0.40U	Indeno(1,2,3-cd)pyrene	-	Indeno(1,2,3-cd)pyrene	0.84
Dibenzo(a,h)anthracene	0.06U	Dibenzo(a,h)anthracene	-	Dibenzo(a,h)anthracene	0.15U
Benzo(g,h,i)perylene	0.04U	Benzo(g,h,i)perylene	-	Benzo(g,h,i)perylene	1.72
1-Methyl Naphthalene	0.16U	1-Methyl Naphthalene	-	1-Methyl Naphthalene	0.40U
2-Methyl Naphthalene	0.28U	2-Methyl Naphthalene	-	2-Methyl Naphthalene	0.70U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: EB-Split Spoon Sample Date: 11/04/94 Lab Number: 10 0263060 Matrix: WATER		Location: EB-Bailer Sample Date: 11/04/94 Lab Number: 10 0263079 Matrix: WATER		Location: EB-Bailer Sample Date: 11/10/94 Lab Number: 10 0268496 Matrix: WATER	
Naphthalene	0.15U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.39U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.15U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.06U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.10U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.03U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.10U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.03U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.12U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.09U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.08U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.03U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.03U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.03U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.04U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.03U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.12U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.21U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: DI Water Field Blank Sample Date: 10/26/94 Lab Number: 10 0252913 Matrix: WATER		Location: Steamer Field Blank Sample Date: 10/26/94 Lab Number: 10 0252921 Matrix: WATER		Location: Tubing Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252930 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Split Spoon Eq Blank Sample Date: 10/26/94 Lab Number: 10 0252948 Matrix: WATER		Location: Bailer Equipment Blank Sample Date: 10/26/94 Lab Number: 10 0252956 Matrix: WATER		Location: Field Blank Sample Date: 10/22/94 Lab Number: 10 0250228 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
				Chrysene	0.03U
				Phenanthrene	0.04U
Phenanthrene	0.04U	Phenanthrene	0.04U	Anthracene	0.01U
Anthracene	0.01U	Anthracene	0.01U	Fluoranthene	0.04U
Fluoranthene	0.04U	Fluoranthene	0.04U	Pyrene	0.01U
Pyrene	0.01U	Pyrene	0.01U	Benzo(a)anthracene	0.04U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
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PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Equip. Blank Tubing Sample Date: 10/22/94 Lab Number: 10 0250236 Matrix: WATER		Location: Equip. Blank Spoon Sample Date: 10/22/94 Lab Number: 10 0250244 Matrix: WATER		Location: Equip. Blank Bailer Sample Date: 10/22/94 Lab Number: 10 0250252 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

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MW - Monitoring Well
Dup - Duplicate

GW - Groundwater
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PZ - Piezometer

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin
(Results in milligrams per liter unless otherwise noted.)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Equip. Blank Steam Clnr Sample Date: 10/22/94 Lab Number: 10 0250260 Matrix: WATER	
Naphthalene	0.05U
Acenaphthylene	0.13U
Acenaphthene	0.05U
Fluorene	0.02U
Phenanthrene	0.04U
Anthracene	0.01U
Fluoranthene	0.04U
Pyrene	0.01U
Benzo(a)anthracene	0.04U
Chrysene	0.03U
Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U

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GW - Groundwater
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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons
Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 004-001MW Sample Date: 12/21/94 Lab Number: 10 0303860 Matrix: WATER		Location: 004-001MW Dup. Sample Date: 12/21/94 Lab Number: 10 0303879 Matrix: WATER		Location: 004-002MW Sample Date: 12/21/94 Lab Number: 10 0303887 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.01U	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.03U	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U- Indicates compound analyzed for but was not detected.

MW- Monitoring Well
Dup- Duplicate

Appendix G
Summary of Polynuclear Aromatic Hydrocarbons Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: 004-003MW Sample Date: 12/21/94 Lab Number: 10 0303895 Matrix: WATER		Location: 004-004MW Sample Date: 12/21/94 Lab Number: 10 0303917 Matrix: WATER		Location: 004-005MW Sample Date: 12/21/94 Lab Number: 10 0303925 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	0.05U
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	0.13U
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	0.05U
Fluorene	0.02U	Fluorene	0.02U	Fluorene	0.02U
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	0.04U
Anthracene	0.01U	Anthracene	0.01U	Anthracene	0.01U
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	0.04U
Pyrene	0.36	Pyrene	0.01U	Pyrene	0.01U
Benzo(a)anthracene	0.63	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U
Chrysene	0.50	Chrysene	0.03U	Chrysene	0.03U
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U

U- Indicates compound analyzed for but was not detected.

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Appendix G
Summary of Polynuclear Aromatic Hydrocarbons
Detected in Water Samples
128th ARG General Billy Mitchell ANGB, Milwaukee, Wisconsin

(Results in milligrams per liter unless otherwise noted)

Polynuclear Aromatic Hydrocarbons - Method 8310

Location: Equipment Blank Sample Date: 12/21/94 Lab Number: 10 0303933 Matrix: WATER		Location: Field Blank Sample Date: 12/21/94 Lab Number: 10 0303950 Matrix: WATER		Location: Trip Blank Cooler 1/2 Sample Date: 12/21/94 Lab Number: 10 0303984 Matrix: WATER	
Naphthalene	0.05U	Naphthalene	0.05U	Naphthalene	-
Acenaphthylene	0.13U	Acenaphthylene	0.13U	Acenaphthylene	-
Acenaphthene	0.05U	Acenaphthene	0.05U	Acenaphthene	-
Fluorene	0.02U	Fluorene	0.02U	Fluorene	-
Phenanthrene	0.04U	Phenanthrene	0.04U	Phenanthrene	-
Anthracene	0.01U	Anthracene	0.01U	Anthracene	-
Fluoranthene	0.04U	Fluoranthene	0.04U	Fluoranthene	-
Pyrene	0.01U	Pyrene	0.01U	Pyrene	-
Benzo(a)anthracene	0.04U	Benzo(a)anthracene	0.04U	Benzo(a)anthracene	-
Chrysene	0.03U	Chrysene	0.03U	Chrysene	-
Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	0.02U	Benzo(b)fluoranthene	-
Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	0.01U	Benzo(k)fluoranthene	-
Benzo(a)pyrene	0.01U	Benzo(a)pyrene	0.01U	Benzo(a)pyrene	-
Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	0.01U	Indeno(1,2,3-cd)pyrene	-
Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	0.02U	Dibenzo(a,h)anthracene	-
Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	0.01U	Benzo(g,h,i)perylene	-
1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	0.04U	1-Methyl Naphthalene	-
2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	0.07U	2-Methyl Naphthalene	-

U- Indicates compound analyzed for but was not detected.

MW- Monitoring Well
Dup- Duplicate

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APPENDIX H

HRS DATA PACKAGE

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PA/SI DATA REQUIREMENTS FOR FEDERAL FACILITY DOCKET SITES
Billy Mitchell ANGB, Milwaukee, Wisconsin

1. **Supply copies of all sampling data, on-site and off-site, including location map, detection limits (see definitions below), raw data sheets, QA/QC documents, date(s) sampled, analytical method(s) used, well or boring logs, and sampling technique(s).**

   Sampling data, detection limits, raw data sheets, QA/QC documents, dates sampled, and analytical methods used can be found in Appendix G. Well or boring logs can be found in Appendix A.

2. **Locate and identify on a map all known or suspected sources (see definition below). Supply all information about source(s) such as: dates of operation, use, or spillage; amounts of material deposited, stored, or spilled; dimensions of source(s); known or suspected hazardous substances (see definition below), etc.**

   The above information can be found in Section 2.1.1 of the PA/SI Report.

3. **Provide a description of all aquifers beneath the site, including description of overlying materials, depth first encountered, thickness, and composition.**

   The above information can be found in Section 3.4 of the PA/SI Report.

4. **For each source, choose one description from Table 1 that describes the groundwater containment. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.**

   The best description for this site is: Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures.) (Source: PA/SI Report)

5. **Provide the location of all drinking water wells in all aquifers beneath the site within a 4-mile radius from the site (property boundary) by HRS distance ring and locate the wells within a one-mile radius on a 7.5 minute topographic map. Provide information on depth of well(s), screening interval(s), depth of aquifer(s)**

encountered, population served for multiple wells (i.e., municipal system), provide the number of wells, location of all wells (regardless of 4-mile limit), average annual pumpage of each well (regardless of 4-mile limit), and total population served by the system. Include information on all standby wells.

Well records from the Wisconsin Geological and Natural History Survey (WDNR) indicate that there are 56 wells within a 1-mile radius. Of the 56 wells, 22 wells are either screened or are open holes at depths less than 100 feet BLS. Location and information for water wells within a 1-mile radius is presented in Table 3.1 (Section 3.0) and Figure H.1. Located just beyond a 1-mile radius there are 136 additional water wells. WDNR reports that there are somewhere between 500 and 1,000 wells within a 4-mile radius of the Base. There are no known public drinking wells in the area. Although several wells are shown on Figure H.1 as being located in the northwest portion of the Base, no wells in that area are known to exist, and these locations are attributed to erroneous location information on the well construction reports. (Source: Wisconsin Geological and Natural History Survey)

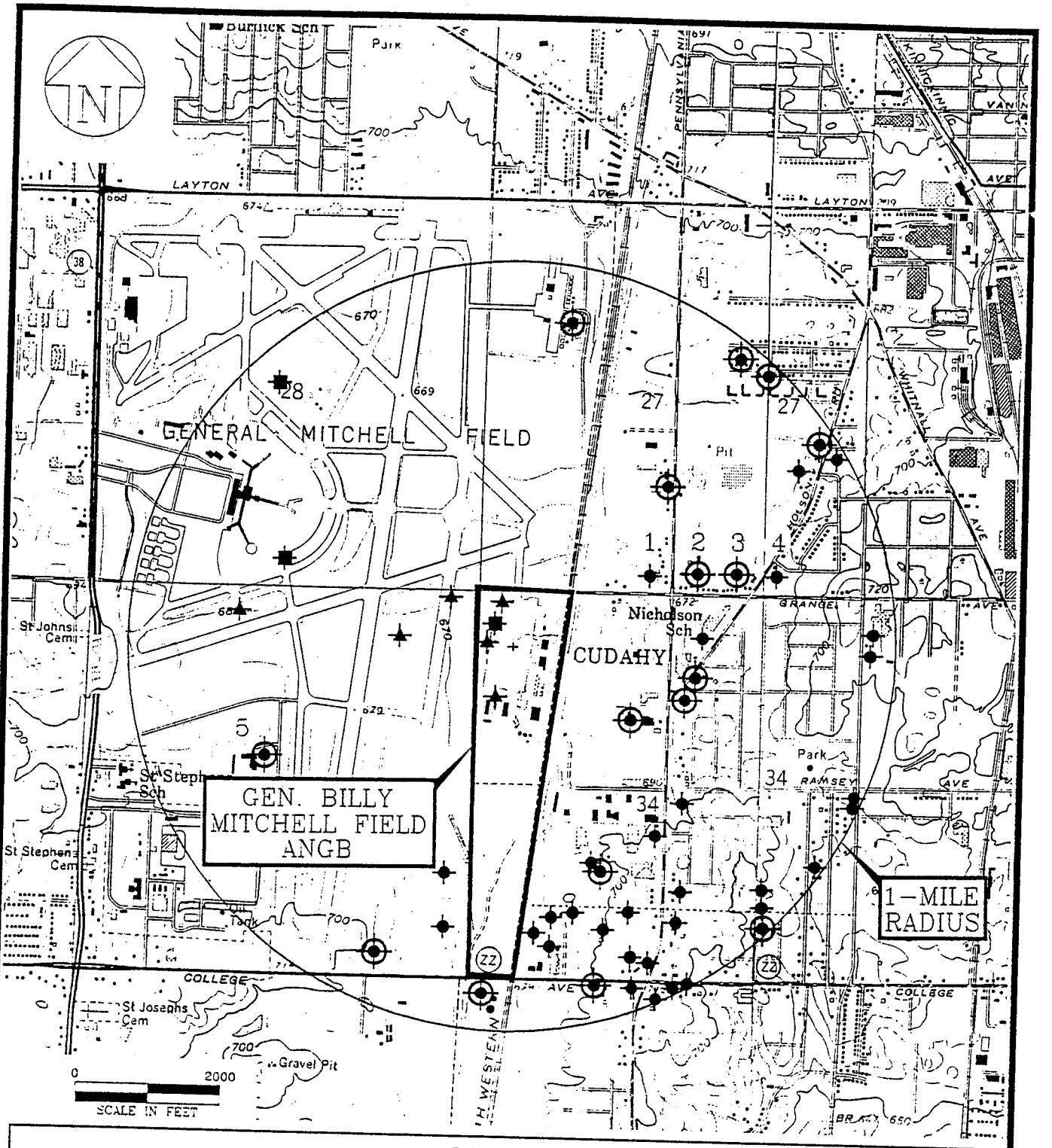
6. **Provide information and location (on 7.5 minute topographic map) of wells within 4 miles that are used to irrigate five or more acres of commercial food or forage crops, or watering of commercial livestock, or ingredient in commercial food preparation, or supply for aquaculture, or supply for a major or designated water recreation area, excluding drinking water use.**

There are approximately 56 wells within a 1-mile radius. Upon investigation, none of the 56 wells appear to be used for the above uses.

7. **Provide the average number of persons per residence for county (or counties) that site is located in per the U. S. Census Bureau.**

The average number of persons per residence for Milwaukee County is approximately 2.7. (Source: University of Wisconsin - Applied Population Laboratory)

8. **Identify and locate all surface water bodies within two miles of the site marking off the drainage routes (shown on a 7.5 minute topographic map) from each source to applicable surface water bodies. Provide the average annual cubic feet per second**



LEGEND

- WELL WITHIN 1 MILE RADIUS
- WELL WITHIN AN OPEN INTERVAL ABOVE 100' BLS
- *WELLS 1, 2, 3, 4, 5 HAVE ADDITIONAL INFORMATION IN TABLE 3.1.
- WELL WHICH MAY BE ABANDONED DUE TO AIRPORT CONSTRUCTION AND EXPANSION
- WELL WITH AN OPEN INTERVAL ABOVE 100' BLS AND WHICH MAY BE ABANDONED DUE TO AIRPORT CONSTRUCTION AND EXPANSION

FIGURE H.1

BILLY WELLS

LOCATION OF WATER WELLS IN THE VICINITY OF GEN. BILLY MITCHELL FIELD ANGB

128th ARW, Gen. Billy Mitchell Field ANGB
Milwaukee, Wisconsin

OPTECH
OPERATIONAL TECHNOLOGIES CORPORATION

MARCH 1996

flow for each surface water body within 15 miles downriver or radius from the point of probable entry into surface water. For lakes, provide information on inflow and outflow.

The two bodies of water located near the site are Oak Creek and Bailey's Pond (see Figure H.2). Oak Creek is located approximately 0.5 miles west of the site and Bailey's Pond is located in the northeastern corner of the Base. Based on USGS reading compiled 1964-1993, the annual mean flow for Oak Creek is 23.4 cubic feet per second. (Source: City of Milwaukee - Department of Public Works)

9. **For each source, choose one description from Table 2 that describes the surface water containment. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.**

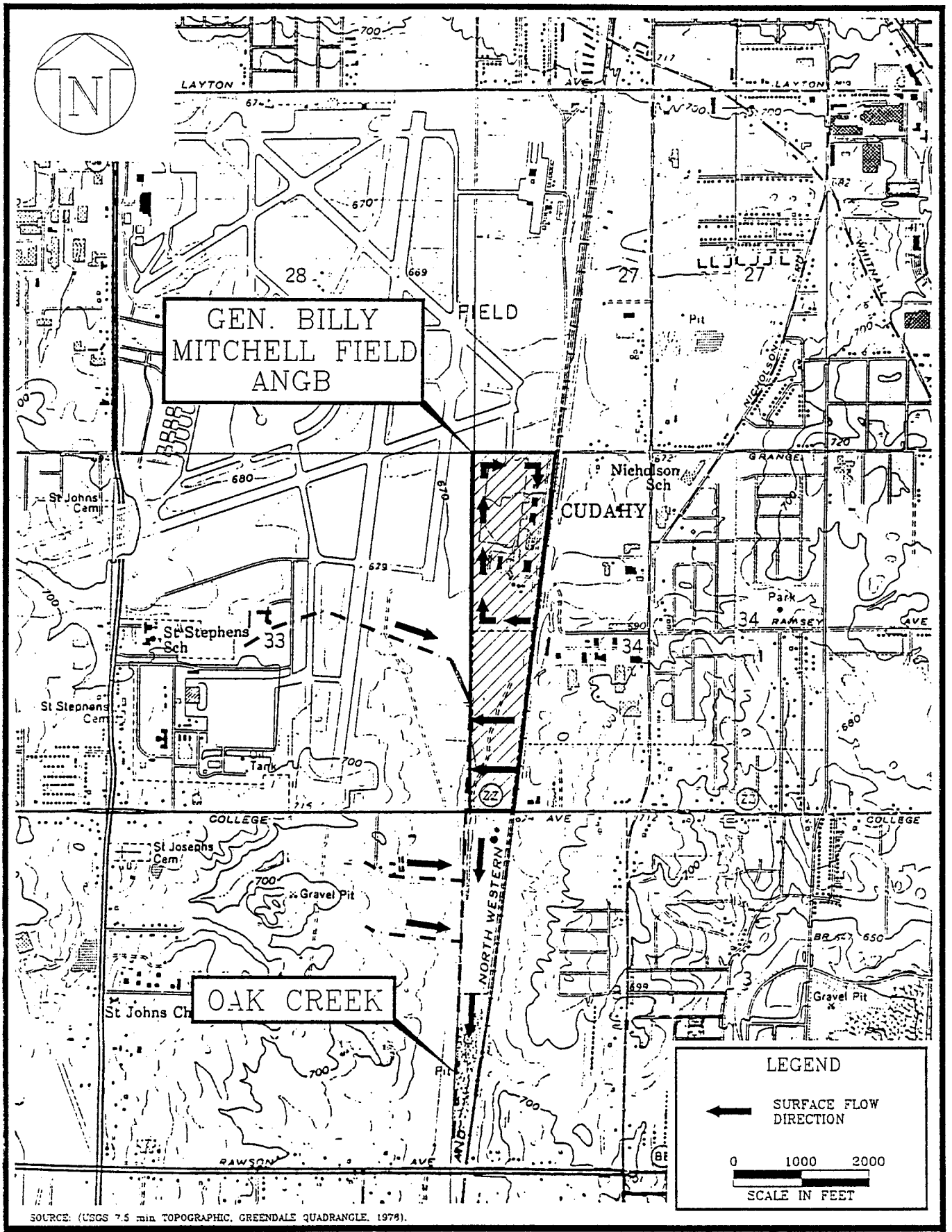
The best description for this site is: No evidence of hazardous substance migration from source areas and: (a) Neither of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system. (Source: PA/SI Report)

10. **Provide the number of acres in each drainage basin.**

The two drainage basins are: the Oak Creek drainage basin (located at the southern half of the Base) with 27.24 square miles and the Kinnickinnic River drainage basin (located at the northern end of the Base) with 25 square miles. (Source: City of Milwaukee - Department of Public Works)

11. **From Table 3, choose the predominant soil group (surface soil) which comprises the largest total area within each drainage area.**

The best soil description for this site is: Fine-Textured soils with very low infiltration rates (For example: Silty Clay Loams) (Source: PA/SI Report)



SOURCE: (USGS 7.5 min TOPOGRAPHIC, GREENDALE QUADRANGLE, 1976).

FIGURE H.2

BILLYMIT\75TOPO

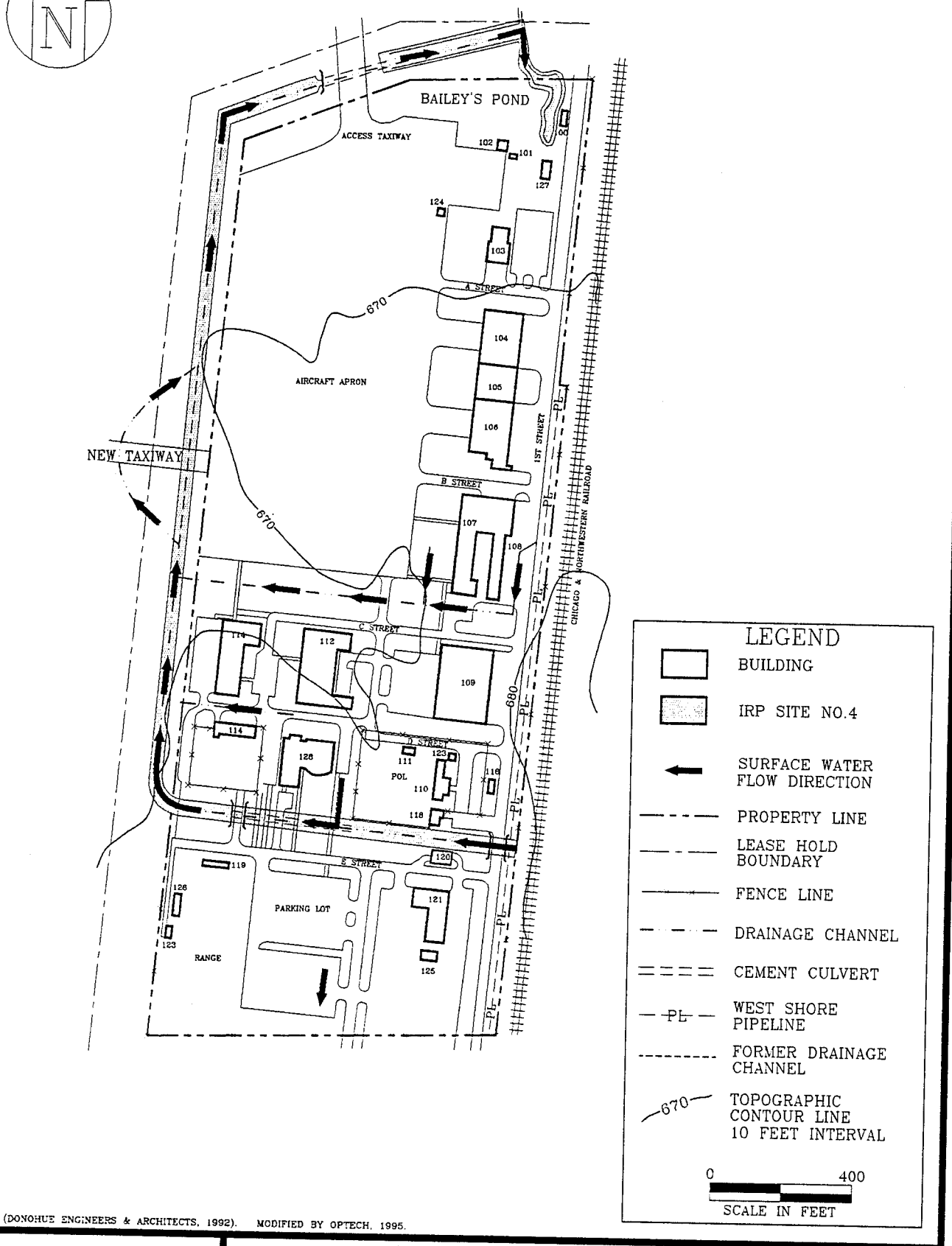
SURFACE FLOW DRAINAGE MAP

128th ARW, Gen. Billy Mitchell Field ANGB

Milwaukee, Wisconsin

OPTECH
OPERATIONAL TECHNOLOGIES CORPORATION

MARCH 1996



SOURCE: (DONOHUE ENGINEERS & ARCHITECTS, 1992). MODIFIED BY OPTECH, 1995.

FIGURE H.3

BILLYMIT\BASESURF

BASE SURFACE DRAINAGE

128th ARW, Gen. Billy Mitchell Field ANGB
Milwaukee, Wisconsin

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MARCH 1996

12. **Provide the two year, 24-hour rainfall.**

The two year, 24-hour rainfall is 2.5 inches. (Source: Rainfall Frequency Atlas of the U.S., issued by the Department of Commerce, Weather Bureau)

13. **From Table 4, choose the floodplain category for each source (supply Federal Emergency Management Agency floodplain map) and determine if each source meets the criteria from Table 5 (engineer's certification).**

The site is not within the 100-year floodplain.
(Source: City of Milwaukee - Building Permits & Zoning Department)

14. **Provide the location of all drinking water intakes within 15 downstream miles (rivers) or 15-mile radius (lakes, bays, etc.). Provide information on population served. For multiple intakes (i.e., municipal system), provide information on the number of intakes, location of all intakes (regardless of 15-mile limit), and total population served by system. Include information on all standby intakes.**

There are no drinking water intakes 15 downstream miles from the site.
(Source: City of Milwaukee - Department of Public Works)

15. **Provide information and location of intakes within 15 miles downriver (radius in lake or bay) that are used to irrigate five or more acres of commercial food or forage crops, or watering of commercial livestock, or ingredient in commercial food preparation, or supply for aquaculture, or supply for a major or designated water recreation area, excluding drinking water use.**

There are no drinking water intakes 15 downstream miles from the site.
(Source: City of Milwaukee - Department of Public Works)

16. **Provide any surface water body 15 miles downriver (radius in lakes or bay) used for drinking water.**

There is no surface water body used for drinking water purposes 15 miles downriver.
(Source: City of Milwaukee - Department of Public Works)

17. **Provide the average human food chain production (pounds per year) for each surface water body 15 miles downriver or 15-mile radius in lake.**

This information was not available.

18. **Within a 4-mile radius from the site and 15 miles downriver, or radius in lake, identify all sensitive environments that exist. Provide original documentation (USF&W, Natural Heritage Database, State agencies, NOAA, etc.). Note that there could be multiple sensitive environments within a sensitive environment.**

The only species within the area of the Base that is considered endangered is the Peregrine Falcon (*Falco peregrinus*). This falcon is known to nest mostly near downtown Milwaukee, therefore, would not be affected. (Source: U.S. Department of the Interior Fish & Wildlife)

19. **What is the linear frontage of all wetlands 15 miles downriver or 15-mile radius in lake?**

The United States Department of the Interior Fish and Wildlife Wetlands Map has not yet been made available, therefore, the total linear frontage cannot be calculated as of yet. However, there are wetlands in the area of the Base. On the Base, Bailey's Pond (located in the northeastern part of the Base) is considered a wetland. The linear frontage for this pond is approximately 700 feet.

20. **Provide the location and number of persons residing, working, attending school, or day care within 200 feet. This includes both the Air and Army Guard.**

The number of persons working within 200 feet of IRP Site No. 4 is 300 during normal weekday workdays. During unit training weekends, there are 987 persons working in areas adjacent to the site. (Source: PA/SI Report)

21. **Identify all terrestrial sensitive environments that exist on-site. Provide original documentation (USF&W, natural Heritage Database, State Agencies, NOAA, etc.) and locate each on a 7.5 minute topographic map. Note that there could be multiple sensitive environments within a sensitive environment.**

According to a previous environmental report, there are no known threatened or endangered species located on the site location. (Source: U.S. Department of the Interior Fish & Wildlife)

22. **For each source, choose one description from Table 8 that describes the accessibility to a human population. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.**

The best description for this site is: Surrounded by maintained fence or combination of maintained fence and natural barriers and physically inaccessible to public, with no evidence of public recreation use.

23. **Provide the total number of people in following distance rings from source(s)?**

- **0-1/4 mile** = 150 persons
- **1/4-1/2 mile** = 614 persons
- **1/2-1 mile** = 4,322 persons
- **1-2 miles** = 23,309 persons
- **2-3 miles** = 46,479 persons
- **3-4 miles** = 46,507 persons

Use 1990 Census data and/or actual house counts. Document how calculated.
Source: 1990 Census (block group level population aggregates)
Prepared by: GEOQUEST Information Technologies, Inc.

24. **For each source, choose one description from Table 9 that describes the gaseous containment. Provide complete documentation (i.e., engineering diagrams,**

photographs [originals]), as to why the source meets that description and not any other in the Table. From Table 10, choose the appropriate description for each source type. For each source, choose one description from Table 11 that describes the particulate containment. Provide complete documentation (i.e., engineering diagrams, photographs [originals]) as to why the source meets that description and not any other in the Table.

Table 9: None of the following apply.
Table 10: None of the following apply.
Table 11: None of the following apply.

25. **Provide the location and area (in acres) of all wetlands within 4 miles of the site.**

There are 35 wetlands smaller than 2 to 5 acres, five manmade ponds, and 19 general hydrologic cover type wetlands located within a 1.5-mile radius of the 128th ARG. Baileys Pond (located at the Base) is consisdered a wetland and is less than 5 acres.

26. **Contact EPA Regional Office immediately if any radionuclides are present or suspected at the site and supply all radiological information known to date.**

There are no radionuclides present or suspected at the site.

27. **For all of the above information, use primary data source and supply two copies or specify where copies may be obtained.**

28. **Provide information on any removals or remedial actions taken place at the site.**

During the period December 1993 through April 1994, 18,000 tons of contaminated soil were removed and incinerated. The soil contained gasoline and diesel.

29. **If information relevant to a question already has been provided to the EPA, your answer may precisely cite the previous submittal by title, date, page, and paragraph number rather than resubmitting the information.**

DEFINITIONS

Detection Limit (DL)

Lowest amount that can be distinguished from the normal random "noise" of an analytical instrument or method. For this submission, the detection limit used is the method detection limit (MDL), or, for real-time instruments, the detection limit of the instrument as used in the field.

Hazardous Substance

CERCLA hazardous substances, pollutants, and contaminant as defined in CERCLA sections 101(14) and 101(33).

Method Detection Limit (MDL)

Lowest concentration of an analyte that a method can detect reliably in either a sample or blank.

Sample Quantitation Limit (SQL)

Quantity of a substance that can reasonably be quantified given the methods of analysis and sample characteristics that may affect quantification (for example, dilution, concentration).

Site: Area(s) where a hazardous substance has been deposited, stored, disposed, or placed, or has otherwise come to be located. Such areas may include multiple sources and may include areas between sources.

Source: Any area where a hazardous substance has been deposited, stored, disposed, or placed, plus those soils that have become contaminated from migration of a hazardous substance. Sources do not include those volumes of air, groundwater, surface water, or surface water sediments that have become contaminated by migration, except: in the case of either a groundwater plume with no identified source, or contaminated surface water sediments with no identified source, the plume may be considered a source.

Table 1

All Sources (Except Surface Impoundments, Land Treatment, Containers, and Tanks)

Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

No liner.

No evidence of hazardous substance migration from source area, a liner, and:

(a) None of the following present: (1) maintained engineered cover, (2) functioning and maintained run-on control system and runoff management system, or (3) functioning leachate collection and removal system immediately above liner.

(b) Any one of the three items in (a) present.

(c) Any two of the items in (a) present.

(d) All three items in (a) present plus a functioning groundwater monitoring system.

(e) All items in (d) present plus no bulk or non-containerized liquids nor materials containing free liquids deposited in source area.

No evidence of hazardous substance migration from source area, double liner with functioning leachate collection and removal system above and between liners, functioning groundwater monitoring system, and:

(f) Only one of the following deficiencies present in containment: (1) bulk or noncontainerized liquids or materials containing free liquids deposited in source area, or (2) no or nonfunctioning or nonmaintained run-on control system and runoff management system, or (3) no or nonmaintained engineered cover.

(g) None of the deficiencies in (f) present.

Source area inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate is generated, liquid or materials containing free liquids not deposited in source area, and functioning and maintained run-on control present.

Surface Impoundment

Evidence of hazardous substance migration from surface impoundment.

No liner.

Free liquids present with either no diking, unsound diking, or diking that is not regularly inspected and maintained.

No evidence of hazardous substance migration from surface impoundment, free liquids present, sound diking that is regularly inspected and maintained, adequate freeboard, and:

(a) Liner.

(b) Liner with functioning leachate collection and removal system below liner, and functioning groundwater monitoring system.

(c) Double liner with functioning leachate collection and removal system between liners, and functioning groundwater monitoring system.

No evidence of hazardous substance migration from surface impoundment and all free liquids eliminated at closure (either by removal of liquids or solidification of remaining wastes and waste residues).

Land Treatment

Evidence of hazardous substance migration from land treatment zone.

No functioning, maintained, run-on control and runoff management system.

No evidence of hazardous substance migration from land treatment zone and:

(a) Functioning and maintained run-on control and runoff management system.

(b) Functioning and maintained run-on control and runoff management system, and vegetative cover established over entire land treatment area.

(c) Land treatment area maintained in compliance with 40 CFR 264.280.

Containers

All containers buried.

Evidence of hazardous substance migration from container area (i.e., container area includes containers and any associated containment structures).

No liner (or no essentially impervious base) under container area.

No diking (or no similar structure) surrounding container area.

Diking surrounding container area unsound or not regularly inspected and maintained.

No evidence of hazardous substance migration from container area, container area surrounded by sound diking that is regularly inspected and maintained, and:

(a) Liner (or essentially impervious base) under container area.

(b) Essentially impervious base under container area with liquids collection and removal system.

(c) Containment system includes essentially impervious base, liquids collection system, sufficient contain 10 percent of volume of all containers, and functioning and maintained run-on control; plus functioning groundwater monitoring system, and spilled or leaked hazardous substances and accumulated precipitation removed in timely manner to prevent overflow of collection system, at least weekly inspection of containers, hazardous substances in leaking or deteriorating containers transferred to containers in good condition, and containers sealed except when waste is added or removed.

(d) Free liquids present containment system has sufficient capacity to hold total volume of all containers and to provide adequate freeboard, single liner under container area with functioning leachate collection and removal system below liner, and functioning groundwater monitoring system.

(e) Same as (d) except: double liner under container area with functioning leachate collection and removal system between liners.

Containers inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any unsealed or ruptured containers, liquids or materials containing free liquids not deposited in any container, and functioning and maintained runoff control present.

No evidence of hazardous substance migration from container area, containers leaking, and all free liquids eliminated at closure (either by removal of liquid or solidification of remaining wastes and waste residues).

Tank

Belowground tank.

Evidence of hazardous substance migration from tank area (i.e., tank area includes tank, ancillary equipment such as piping, and any associated containment structures).

Tank and ancillary equipment not provided with secondary containment, (e.g., liner under tank area, vault system, double wall).

No diking (or no similar structure) surrounding tank and ancillary equipment

Diking surrounding tank and ancillary equipment unsound or not regularly inspected and maintained.

No evidence of hazardous substance migration from tank area, tank and ancillary equipment surrounded by sound diking that is regularly inspected and maintained, and:

(a) Tank and ancillary equipment provided with secondary containment.

(b) Tank and ancillary equipment provided with secondary containment with leak detection and collection system.

(c) Tank and ancillary equipment provided with secondary containment system that detects and collects spilled or leaked hazardous substances and accumulated precipitation and has sufficient capacity to contain 110 percent of volume of largest tank within containment area, spilled or leaked hazardous substances and accumulated precipitation removed in timely manner, at least weekly inspection of tank and secondary containment system, all leaking or unfit-for-use tank systems promptly responded to, and functioning groundwater monitoring system.

(d) Containment system has sufficient capacity to hold volume of all tanks within tank containment area and to provide adequate freeboard, single liner under that containment area with functioning leachate collection and removal system below liner, and functioning groundwater monitoring system.

(e) Same as (d) except double liner under tank containment area with functioning leachate collection and removal system between liners.

Tank is aboveground, and inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any material released from tank, liquids or materials containing free liquids not deposited in any tank, and functioning and maintained run-on control present.

Table 2

All Sources (Except Surface Impoundments, Land Treatment, Containers, and Tanks)

Evidence of hazardous substance migration from source area (i.e., source area includes source and any associated containment structures).

No evidence of hazardous substance migration from source areas and:

(a) Neither of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system.

(b) Any one of the two items in (a) present.

(c) Any two of the following present: (1) maintained engineered cover, or (2) functioning and maintained run-on control system and runoff management system, or (3) liner with functioning leachate collection and removal system immediately above liner.

(d) All items in (c) present.

(e) All items in (c) present, plus no bulk or non-containerized liquids nor materials containing free liquids deposited in source area.

No evidence of hazardous substance migration from source area, double liner with functioning leachate collection and removal system above and between liners, and:

(f) Only one of the following deficiencies present in containment: (1) bulk or noncontainerized liquids or materials containing free liquids deposited in source area, or (2) no or nonfunctioning or nonmaintained run-on control system and runoff management system, or (3) no or nonmaintained engineered cover.

(g) None of the deficiencies in (f) present.

Source area inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate is generated, liquids or materials containing free liquids not deposited in source area, and functioning and maintained run-on control present.

Surface Impoundment

Evidence of hazardous substance migration from surface impoundment.

Free liquids present with either no diking, unsound diking, or diking that is not regularly inspected and maintained.

No evidence of hazardous substance migration from surface impoundment, free liquids present, sound diking that is regularly inspected and maintained, adequate freeboard, and:

(a) No liner.

(b) Liner.

(c) Liner with functioning leachate collection and removal system below liner.

(d) Double liner with functioning leachate collection and removal system between liners.

No evidence of hazardous substance migration from surface impoundment and all free liquids eliminated at closure (either by removal of liquids or solidification of remaining wastes and waste residues).

Land Treatment

Evidence of hazardous substance migration from land treatment zone.

No functioning and maintained run-on control and runoff management system.

No evidence of hazardous substance migration from land treatment zone and:

(a) Functioning and maintained and maintained run-on control and runoff management system.

(b) Functioning and maintained run-on control and runoff management system, and vegetative cover established over entire land treatment area.

(c) Land treatment area maintained in compliance with 40 CFR 264.280.

Containers

All containers buried.

Evidence of hazardous substance migration from container area (i.e., container area includes containers and any associated containment structures).

No diking (or no similar structure) surrounding container area.
Diking surrounding container area unsound or not regularly inspected and maintained.
No evidence of hazardous substance migration from container area and container area surrounded by sound diking that is regularly inspected and maintained.
No evidence of hazardous substance migration from container area, container area surrounded by sound diking that is regularly inspected and maintained, and:

(a) Essentially impervious base under container area with liquids collection and removal system.

(b) Containment system includes essentially impervious base, liquids collection system, sufficient capacity to contain 10 percent of volume of all containers, and functioning and maintained run-on control; and spilled or leaked hazardous substances and accumulated precipitation removed in timely manner to prevent overflow of collection system, at least weekly inspection of containers, hazardous substances in leaking or deteriorating containers transferred to containers in good condition, and containers sealed except when waste is added or removed.

(c) Free liquids present containment system has sufficient capacity to hold total volume of all containers and to provide adequate freeboard, and single liner under container area with functioning leachate collection and removal system below liner.

(d) Same as (c) except: double liner under container area with functioning leachate collection and removal system between liners. Containers inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any unsealed or ruptured containers, liquids or materials containing free liquids not deposited in any container, and functioning and maintained run-on control present.

No evidence of hazardous substance migration from container area, containers leaking, and all free liquids eliminated at closure (either by removal of liquids or solidification of remaining wastes and waste residues).

Tank

Belowground tank.
Evidence of hazardous substance migration from tank area (i.e., tank area includes tank, ancillary equipment such as piping, and any associated containment structures).
No diking (or no similar structure) surrounding tank and ancillary equipment.
Diking surrounding tank and ancillary equipment unsound or not regularly inspected and maintained.
No evidence of hazardous substance migration from tank area and tank and ancillary equipment surrounded by sound diking that is regularly inspected and maintained.
No evidence of hazardous substance migration from tank area, tank and ancillary equipment surrounded by sound diking that is regularly inspected and maintained, and:

(a) Tank and ancillary equipment provided with secondary containment (e.g., liner under tank area, vault system, double wall) with leak detection and collection system.

(b) Tank and ancillary equipment provided with secondary containment system that detects and collects spiked or leaked hazardous substances and accumulated precipitation and has sufficient capacity to contain 110 percent of volume of largest tank within containment area, spilled or leaked hazardous substances and accumulated precipitation removed in a timely manner, at least weekly inspection of tank and secondary containment system, and all leaking or unfit-for-use tank systems promptly responded to.

(c) Containment system has sufficient capacity to hold total volume of all tanks within the tank containment area and to provide adequate freeboard, and single liner under tank containment area with functioning leachate collection and removal system below liner.

(d) Same as (c) except double liner under tank containment area with functioning leachate collection and removal system between liners.

Tank is aboveground, and inside or under maintained intact structure that provides protection from precipitation so that neither runoff nor leachate would be generated from any material released from tank, liquids or materials containing free liquids not deposited in any tank, and functioning and maintained run-on control present.

Table 3
Surface Soil Description

Coarse-textured soils with high infiltration rates (for example, sands, loamy sands).
Medium-textured soils with moderate infiltration rates (for example, sandy loams, loams).
Moderately fine-textured soils with low infiltration rates (for example, silty loams, silts, sandy clay loams).
Fine-textured soils with very low infiltration rates (for example, clays, sandy clays, silty clay loams, clay loams, silty clays); or impermeable surfaces (for example, pavement).

Table 4
Floodplain Categories

Source floods annually.
Source in 10-year floodplain.
Source in 100-year floodplain.
Source in 500-year floodplain.
None of the above.

Table 5
Flood Containment

Documentation that containment at the source is designed, constructed, operated, and maintained to prevent a washout of hazardous substances by the flood being evaluated (see floodplain category).

Table 6
Sensitive Environments

Critical habitat[a] for Federal designated endangered or threatened species.
Marine Sanctuary.
National Park.
Designated Federal Wilderness Area.

Areas identified under Coastal Zone Management Act[b].
Sensitive areas identified under National Estuary Program[c] or Near Coastal Waters Program[d].
Critical areas identified under the Clean Lakes Program[e].
National Monument[f].
National Seashore Recreational Area.
National Lakeshore Recreational Area.
Habitat known to be used by Federal designated or proposed endangered or threatened species.
National Preserve.
National or State Wildlife Refuge.
Unit of Coastal Barrier Resources System.
Coastal Barrier (undeveloped).
Federal land designated for protection of natural ecosystems.
Administratively Proposed Federal Wilderness Area.
Spawning areas critical[g] for the maintenance of fish/shellfish species within river, lake, or coastal tidal waters.
Migratory pathways and feeding areas critical for maintenance of anadromous fish species within river reaches or areas in lakes or coastal tidal waters in which the fish spend extended periods of time.
Terrestrial areas utilized for breeding by large or dense aggregations of animals[h].
National river reach designated as Recreational.
Habitat known to be used by State designated endangered or threatened species.
Habitat known to be used by species under review as to its Federal endangered or threatened status.
Coastal Barrier (partially developed).
Federal designated Scenic or Wild River.
State land designated for wildlife or game management.
State designated Scenic or Wild River.
State designated Natural Areas.
Particular areas, relatively small in size, important to maintenance of unique biotic communities.
State designated areas for projection or maintenance of aquatic life[i].

---

[a]Critical habitat as defined in 50 CFR 424.02.

[b]Areas identified in State Coastal Zone Management plans as requiring protection because of ecological value.

[c]National Estuary Program study areas (Subareas within subareas) identified in Comprehensive Conservation and Management Plans as requiring protection because they support critical life stages of key estuarine species (Section 320 of Clean Water Act, as amended).

[d]Near Coastal Waters as defined in Sections 104(b)(3), 304(1), 319, and 320 of Clean Water Act, as amended.

[e]Clean Lakes Program critical areas (subareas within lakes, or in some cases entire small lakes) identified by State Clean Lake Plans as critical habitats (Section 314 of Clean Water Act, as amended).

[f]Use only for air migration pathway.

[g]Limit to areas described as being used for intense or concentrated spawning by a given species.

[h]For the air migration pathway, limit to terrestrial vertebrate species. For the surface water migration pathway, limit to terrestrial vertebrate species aquatic or semiaquatic foraging habits.

[i]Areas designated under Section 305(a) of Clean Water Act, as amended.

Table 7

Terrestrial Sensitive Environments

Terrestrial critical habitat[a] for Federal designated endangered or threatened species.

National Park.
Designated Federal Wilderness Area.
National Monument.
Terrestrial habitat known to be used by Federal designated or proposed threatened or endangered species.
National Preserve (terrestrial).
National or State Terrestrial Wildlife Refuge.
Federal land designated for protection of natural ecosystems.
Administratively proposed Federal Wilderness Area.
Terrestrial areas utilized for breeding by large or dense aggregations of animals[b].
Terrestrial habitat known to be used by State designated endangered or threatened species.
Terrestrial habitat known to be used by species under review as to its Federal designated endangered or threatened status.
State lands designated for wildlife or game management.
State designated Natural Areas.
Particular area, relatively small in size, important to maintenance of unique biotic communities.

---

[a]Critical habitat as defined in 50 CFR 42.
[b]Limit to vertebrate species.

Table 8
Area of Observed Contamination

Designated recreational area.
Regularly used for public recreation (for example, fishing, hiking, softball).
Accessible and unique recreational area (for example, vacant lots in urban area).
Moderately accessible (may have some access improvements – for example, gravel road), with some public recreation use.
Slightly accessible (for example, extremely rural area with no road improvement), with some public recreation use.
Accessible, with no public recreation use.
Surrounded by maintained fence or combination of maintained fence and natural barriers.
Physically inaccessible to public, with no evidence of public recreation use.

Table 9
Gas Containment Description

All situations except those specifically listed below.
Evidence of biogas release.
Active fire within source.
Gas collection/treatment system functioning, regularly inspected, maintained, and completely covering source.
Source substantially surrounded by engineering windbreak and no other containment specifically described in this table applies.
Source covered with essentially impermeable, regularly inspected, maintained cover.

Uncontaminated soil cover >3 feet:

Source substantially vegetated with little exposed soil.

Source lightly vegetated with much exposed soil.

Source substantially devoid of vegetation.

Uncontaminated soil cover ≥ 1 foot and ≤3 feet:

Source heavily vegetated with essentially no exposed soil.

Cover soil resistant to gas migration[a].

Cover soil type not resistant to gas migration[a] or unknown.

Source substantially vegetated with little exposed soil and cover soil type resistant to gas migration[a].

Other.

Uncontaminated soil cover <1 foot:

Source heavily vegetated with essentially no exposed soil and cover soil type resistant to gas migration[a].

Other.

Totally or partially enclosed within structurally intact building and no other containment specifically described in this table applies.

Source consists solely of intact, sealed containers:

Totally protected from weather by regularly inspected, maintained cover.

Other.

---

[a]Consider moist fine-grained and saturated coarse-grained soils resistant to gas migration; consider all other soils nonresistant.

Table 10

Source Type

Active fire area.

Burn pit.

Containers or tanks (buried/belowground):

Evidence of biogas release.

No evidence of biogas release.

Containers or tanks, not elsewhere specified.

Contaminated soil (excluding land treatment).

Landfarm/land treatment.

Landfill:

Evidence of biogas release.

No evidence of biogas release.

Pile:

Tailings pile.

Scrap metal or junk pile.

Trash pile.

Chemical waste pile.

Other waste piles.

Surface impoundments (buried/backfilled):

Evidence of biogas release.

No evidence of biogas release.

Surface impoundment (not buried/backfilled):

Dry.

Other.

Other types of sources, not elsewhere specified.

Table 11

Particulate Containment Description

All situations except those specifically listed below.

Source contains only particulate hazardous substances totally covered by liquids.

Source substantially surrounded by engineered windbreak and no other containment specifically described in this table applies.

Source covered with essentially impermeable, regularly inspected, maintained cover.

Uncontaminated soil cover >3 feet:

Source substantially vegetated with little or no exposed soil.

Source lightly vegetated with much exposed soil.

Source substantially devoid of vegetation.

Uncontaminated soil cover ≥1 foot and ≤3 feet:

Source heavily vegetated with essentially no exposed soil:

Cover soil type resistant to gas migration[a].

Cover soil type not resistant to gas migration[a].

Source substantially vegetated with little exposed soil and cover soil type resistant to gas migration[a].

Other.

Uncontaminated soil cover <1 foot:

Source heavily vegetated with essentially no exposed soil and cover soil type resistant to gas migration[a].

Other.

Totally or partially enclosed within structurally intact building and no other containment specifically described in this table applies.

Source consists solely of containers:

All containers contain only liquids.

All containers intact, sealed, and totally protected from weather by regularly inspected, maintained cover.

All containers intact and sealed.

Other.

---

[a]Consider moist fine-grained and saturated coarse-grained soils resistant to gas migration; consider all other soils nonresistant.

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WELL LOGS FOR THE 56 WELLS WITHIN A 1-MILE RADIUS OF THE BASE

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APPENDIX I

DOMESTIC WATER WELL SAMPLING RESULTS

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County Milw. Twp. Lake NENE Sec. 33 T6N R22E
(Office Record—Do not fill in)

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner HENRY KETTNER Driller Theodore Watry
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Clement & Grange Ave. Address Rt. 1 Box 365 Cudahy, Wis.
(City, village, township, county)

Date of Report 4/1 1937

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.

If unincorporated hamlet Name County Twp. Highway

If Lake Shore Plat Name of Plat Lake Lot Blk. Street

If Farm County Twp. Sec. Highway

If School County Twp. Sec. District

If other public building

Miscellaneous Suburban Home (Kind) Milw. (County) Lake (Twp.) 33 (Sec.)

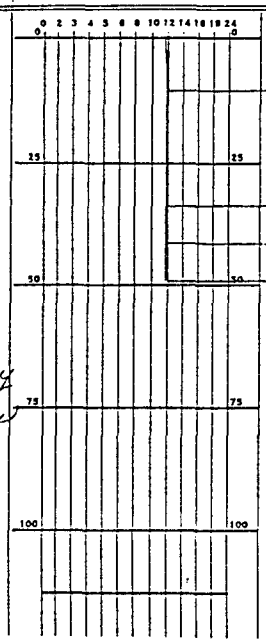
WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.

50 ft. cement pipe down 49 ft.

Upper 10 ft. filled with clay around outside of pipe.

WELL DIAGRAM
Vertical Lines = in. Dia.
Horizontal Lines = ft. Depth



Give depth of formations in feet. State if dry or water bearing.

CLAY & MUCK 0 - 10 ft.

CLAY 10 - 40 ft.

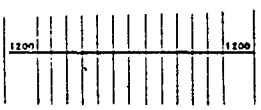
SAND 40 - 46 ft.

CLAY 46 - 49 ft.

This well tested unsafe. Sample was sent in 3/24/37.

For financial reasons Mr. Henry Kettner insisted upon doing the filling around upper well casing so we cannot say just how good the upper seal is. However, being a flowing well, it is possible that the water from the bottom of well is unsafe, as surface water is not so likely to get into a flowing well.

Theodore Watry



Record of FINAL Pumping Test

Duration of test. Hours

Pumping Rate. G. P. M.

Depth of pump in well. Ft.

Standing water-level (from surface.) Ft. Flowing

Water level when pumping Ft.

Water. End of test. Check:
Clear ✓
Cloudy
Turbid

Was well sterilized before test?
Yes No ✓
Date

To which Laboratory was sample sent? Madison
Date 3/24/37

Was the well sealed on completion?
Yes ✓ No

How high did you leave casing above grade? 10"

Well was completed 11/12 1936

Well Driller: Theodore Watry
Signature.

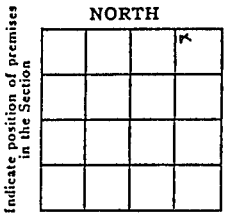
(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

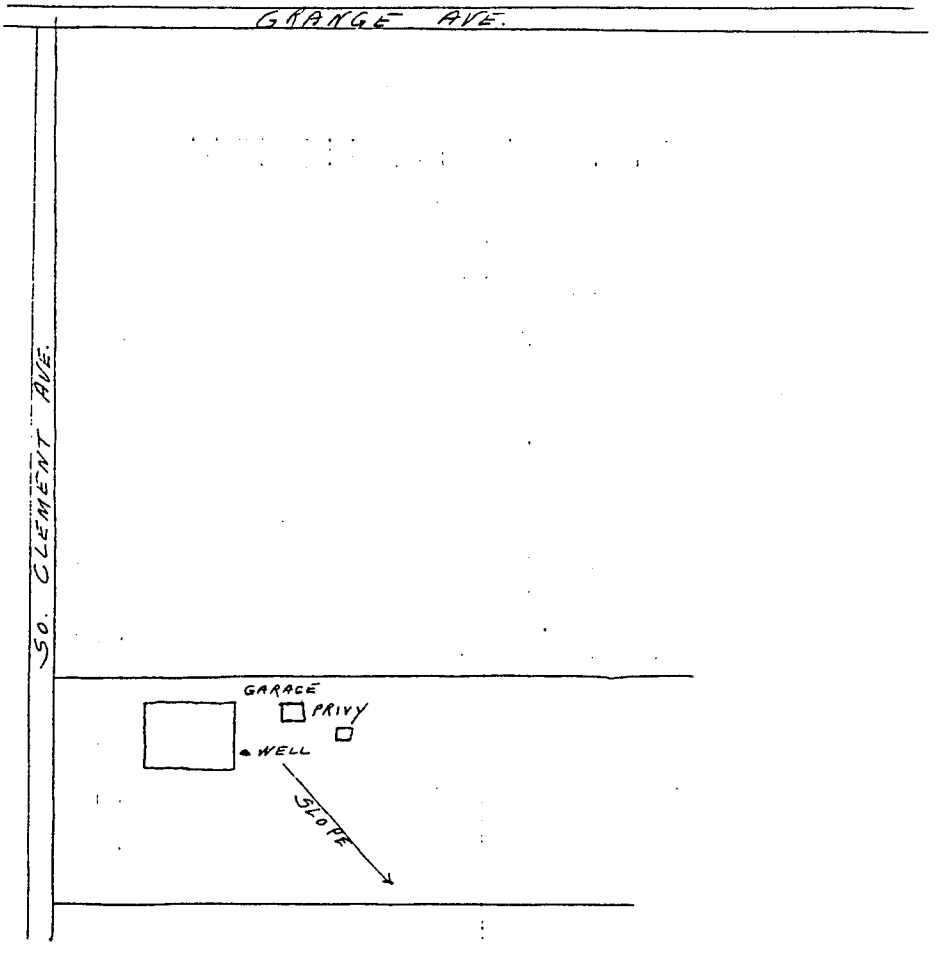
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

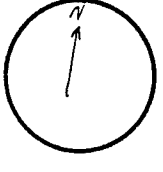
REMARKS:



Sec 33 T. 6 R 22 (E) (W) (Each division equals 10') (If more or less indicate: .....)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

NOV 22 1944

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

1. County Milwaukee (Town / ~~Village~~ Lake / ~~City~~)
2. Location 1101- E Grange Ave. NE¼NW¼ Sec. 34 T6N R22E
3. Owner ~~or Agent~~ Mr. Kettner
4. Address 1101-E. Grange Ave. Milwaukee-Wis.
5. Sewer — ft; drain — ft; septic tank — ft; disposal unit 75 ft; barnyard — ft; abandoned well — ft; other — ft. Explain on obverse side.

DRILLHOLE OR EXCAVATION

Dia. (in.)	From (ft.)	To (ft.)
8	0	30
6	30	135

CASING PIPE, ~~LINER PIPE OR CURBING~~

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	St. Wt. Steel Pipe	0	92

FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	0	50
Gravel	50	70
Hard Pan	70	92
Rock	92	135

GROUT

Kind	From (ft.)	To (ft.)
Mud.	0	30

Yield-test: 5 Hrs. at 15 GPM.
To static water-level 5 ft.
Drawdown - - - - - - 15 ft.
Water sample was sent to the State Laboratory at Kenosha.
Construction of the well was completed on Sept. 23 1944
The well is terminated 8 inches (above) (~~below~~) the permanent grade
Was the well disinfected upon completion? - - - - Yes ✓ No ___
Was the well sealed watertight upon completion? - - Yes ✓ No ___
This report was prepared ~~by~~ under the supervision of:

W. L. Lehike
Registered Well Driller

Permit No. 44 Date Oct. 3 1944

(over)

INSTRUCTIONS

This is an ALTERNATE Well Construction Report form intended for use by well constructors who find it difficult to prepare well logs on the REGULAR Well Log and Report form.

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

In preparing the report, PLEASE OBSERVE THE FOLLOWING:

Line 1. Give the name of the County and the name of the Town, Village or City. Indicate which is given.

Line 2. If Rural: Give the number and the ¼ of the ¼ of the Section, the number of the Town North and the number of the Range East or West.
If Urban: Give the name of the Street and the number of the Premise.

Line 3. Give the name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. State which is given.

Line 4. Give the name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.

Line 5. Give the distance, in feet, from the well to each source of pollution indicated. Explain other sources of pollution below.

ADDITIONAL SANITARY SURVEY

State your opinion concerning other pollution hazards:

ADDITIONAL INFORMATION

Data relating to screens, seals, type of casing joints, method of finishing the well, blasting, etc., may be given here:

T. & C. Joints.

FHA

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

FEB 12 1940

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Elmer Groth — Driller Robert Rebstock V
3149 S. Austin Pl.

Street or RFD Nicholson Rd — Post Office Milwaukee Wis.

Post Office Town of Lake, Wis. — Date Feb 11, 1940 — Permit No. 265

LOCATION OF PREMISES

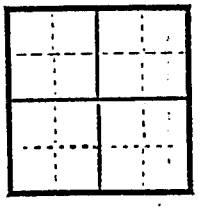
Milwaukee — County
Town of Lake — Town

Describe further by subdivision, plat, district, lake, lot,

Petrucci Cottages + Grannan Acres

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 34
Twp. 6N
Range 22 { E / W }

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

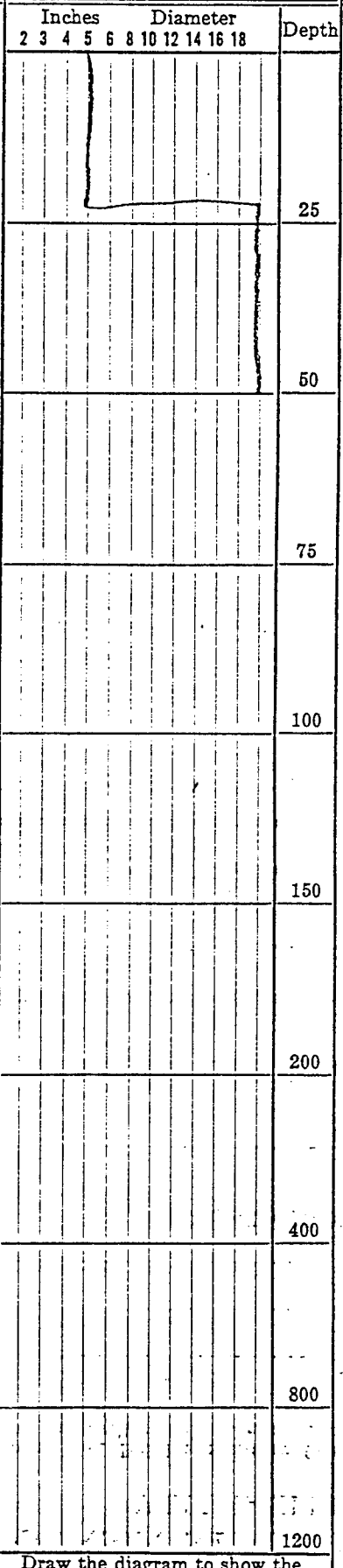
Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test

5 in. iron well casing

12 in. concrete curbing



Draw the diagram to show the right half only.

Solid red clay from top to 14 ft.
14 to 18 ft. - Red + blue clay mixed.
18 to 40 ft. - Blue clay.
40 to 43 ft. Sand + Gravel.
43 to 50 ft. Blue clay.

Duration of test
Hours ----------

Pumping rate
G.P.M. 7 gals. per min.

Depth of pump in well. Ft. 40 ft.

Standing water-level (from surface)
Ft. 18 ft.

Water-level when pumping Ft. 20 ft.

Water. End of test.
Clear X
Cloudy ----------
Turbid ----------

Was the well sterilized?
Yes X No ----------

To which laboratory was sample sent?
Kinnikinnick
Date 1-31-42

Was the well sealed on completion?
Yes X No ----------

How high did you leave casing-pipe above grade?
1 ft.

Well was completed
Date Jan. 3, 1942

Well Driller
Robert Reps
Signature

Wel. 6-30M[(6-50)

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

? W½ Sec 3 T 5 N R 22 E ?

1. County MILWAUKEE — Town ☑ / Village ☐ / City ☐ OAK CREEK (Check one and give name)

2. Location E. COLLEGE AVE BETWEEN PENNSYLVANIA AVE & SO. 13TH RD
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ RAY VAN BECK
Name of individual, partnership or firm

4. Mail Address 700 W. LAYTON AVE MILWAUKEE 25, WIS.
Complete address required

DEC 5 1955
ENVIRONMENTAL

5. From well to nearest: Building 15 ft; sewer 25 ft; drain 15 ft; septic tank 75 ft; dry well or filter bed 100 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	36			
6	36	121			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	94

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	35

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
TOP SOIL	0	15"
SAND	18"	35'
STIFF BLUE CLAY	35	90
POROUS LIME	90	94
SOLID LIME	94	121

Construction of the well was completed on:

NOV. 27 19 55

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ✓ No _____

Was the well sealed watertight upon completion?

Yes ✓ No _____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 15 ft.

Water-level when pumping: 21 ft.

Water sample was sent to the state laboratory at: MADISON City on NOV. 27 19 55

Signature Leo J. Blawat (Registered Well Driller) 5561 So. 6TH ST. MILWAUKEE 15, WIS. (Complete Mail Address)

Please do not write in space below

Rec'd NOV 29 1955 No. ~~3~~9827

Ans'd _____

Interpretation _____

SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0/5				

Examiner _____

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

130

8 1973

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

1. COUNTY: Milwaukee
CHECK ONE: ☐ Town ☐ Village ☒ City
NAME: Milwaukee

2. LOCATION – ¼ Section: N½ | Section: 3 | Township: 5N | Range: 22E
OR – Grid or street no.: 1701 E. | Street name: College Ave
AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING: Lenox Oil
ADDRESS: 1701 E. College Ave
POST OFFICE: Milwaukee, Wisc

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
10								

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.): None

5. Well is intended to supply water for: Office

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	Surface	96			
6	96	296			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	new Steel	Surface	96
	black 280 well pipe		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Rotary mud	Surface	96

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Sand	Surface	60
Sandy clay	60	96
Limestone	96	296

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☒ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on: Dec 21 19 71

11. MISCELLANEOUS DATA
Yield test: 4 Hrs. at 20 GPM
Depth from surface to normal water level: 17 ft.
Depth to water level when pumping: 60 ft.

Well is terminated 10 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to: Port Washington, Wis. Lab #58 laboratory on: Dec 27 19 72

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, s is type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., sho d be given on reverse side.

SIGNATURE: Walter Lauer
Registered Well Driller

COMPLETE MAIL ADDRESS: LIEBAU–LAUN, INC.
1200 W. Liebau Rd. 124 N.
Mequon, Wisconsin 53092

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SEP 7 1946

1. County Milwaukee { Town / ~~Village~~ / City ~~?~~ } Lake

2. Location SW¼ SEC 27 T 6 R 22E

3. Owner or Agent P. Muszynski

4. Address Milwaukee Wis.

5. From well to nearest: Building 5 ft; sewer 25 ft; drain 18 ft; septic tank 35 ft; dry well or filter bed ___ ft; abandoned well ___ ft.

6. Well is intended to supply water for: Residence

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	15

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	Std. Wt. Steel pipe	0	94

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	15

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Sandy clay and Muck	20	20
Clay	40	60
Stony Clay	31	91
Rock	59	150

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: 15 ft.

Water-level when pumping: 65 ft.

Water sample sent to laboratory at Kenosha on 8/22 19 46

Construction of the well was completed on August 22 19 46

The well is terminated 8 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

Signature W. L. Lahike Co.
Registered Well Driller

845 So. 85th St.
Complete Mail Address

W. L.

West Allis 14, Wis.

Wel 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☒ } Cudahy (Check one and give name)

2. Location Lot 1 Blk. 1 2526 E. Grange Ave (Schulz) (Name of street and number of premise or Section, Town and Range numbers)

3. Owner ☐ or Agent ☒ Tomsinger Const. (Name of individual, partnership or firm) SWSWSESec 27 T6N R22E

4. Mail Address 1609 W. State St. (Complete address required)

5. From well to nearest: Building 15 ft; sewer —— ft; drain —— ft; septic tank N/A ft; dry well or filter bed N/A ft; abandoned well N/A ft.

6. Well is intended to supply water for: New home

RECEIVED AUG 25 1959 ENVIRONMENTAL SECTION

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6"	20	175

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel 23 lbs.	0	87

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	0	87

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	24
Brown Clay	24	35
Sand	35	45
Sandy Clay	45	63
Hard Pan	63	87
Rock	87	175

11. MISCELLANEOUS DATA:

Yield test: 14 Hrs. at 17 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at: Madison (City) on Aug 10 1959

Construction of the well was completed on: 8-10-59 1959

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ——

Was the well sealed watertight upon completion? Yes X No ——

Signature Eugene Tomsinger (Registered Well Driller) R/Box 53 Menomonee Falls Wis (Complete Mail Address)

Please do not write in space below

Rec'd AUG 12 1959 No. 26653

Ans'd ——

Interpretation UNSAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	+	+		
48 hrs.	+	+	+	+	+
Confirm.	+	+	0		
B. Coli	2/5				

Examiner ——

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (Town ☐ Village ☐ City ☒) Cudahy — Check one and give name

2. Location Lot line between 2614 and 2622 E. Grange Ave. (SE SW SE Sec 27 T6N R22E)
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Robert Shlander and Joseph Kuhn
Name of individual, partnership or firm

4. Mail Address 2622 E. Grange Ave. Cudahy, Wisconsin
Complete address required

5. From well to nearest: Building 15 ft; sewer 40 ft; drain 25 ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Private Homes

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	171			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel casing	0	100

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Stony clay	0	12
Sandy clay	12	96
Lime rock	96	171

RECEIVED
JUN 15 1960
SANITARY ENGINEERING

Construction of the well was completed on: June 6, 1960 19____

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 15 GPM.

Depth from surface to water-level: 23 ft.

Water-level when pumping: 38 ft.

Water sample was sent to the state laboratory at: Madison (City) on 6/6/60 19____

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No____

Was the well sealed watertight upon completion? Yes X No____

Signature David J Lucker (Registered Well Driller) 6094 So. Cape Rd Hales Corners, Wis. (Complete Mail Address)

Please do not write in space below

Rec'd ____ No.____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

1. County Milwaukee (Town / ~~Village~~ / City) Oak Creek

2. Location 5215 - So Nicholson Rd. Ave.

3. Owner or ~~Agent~~ T. J. Pawlak NE SE SEC 27 T6N R22E

4. Address Milwaukee - Wis.

5. Sewer 20 ft; drain — ft; septic tank — ft; disposal unit — ft; barnyard — ft; abandoned well — ft; other 60 ft. Explain on obverse side.

DRILLHOLE OR EXCAVATION

Dia. (in.)	From (ft.)	To (ft.)
~~12~~	0	30
6	30	185

CASING PIPE, LINER PIPE OR CURBING

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel Pipe	0	99

FORMATIONS

Kind	From (ft.)	To (ft.)
Bored Well	0	30
Sand	30	45
Stony Clay	45	80
Clay	80	91
Shell Rock	91	99
Rock	99	185

GROUT

Kind	From (ft.)	To (ft.)
Cement	0	30

Yield test: 5 Hrs. at 13½ GPM.
To static water-level 21 ft.
Drawdown - - - - - - - 29 ft.
Water sample was sent to the State Laboratory at Kenosha - Wis.
Construction of the well was completed on 4-21 1944
The well is terminated 6 inches (above) (~~below~~) the permanent grade
Was the well disinfected upon completion? - - - - Yes ✓ No ___
Was the well sealed watertight upon completion? - - Yes ✓ No ___
This report was prepared by or under the supervision of:

W. L. Lehke W. L.
Registered Well Driller

Permit No. 44 Date Aug. 27 1944

(over)

INSTRUCTIONS

This is an ALTERNATE Well Construction Report form intended for use by well constructors who find it difficult to prepare well logs on the REGULAR Well Log and Report form.

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

In preparing the report, PLEASE OBSERVE THE FOLLOWING:

Line 1. Give the name of the County and the name of the Town, Village or City. Indicate which is given.

Line 2. If Rural: Give the number and the ¼ of the ¼ of the Section, the number of the Town North and the number of the Range East or West.
If Urban: Give the name of the Street and the number of the Premise.

Line 3. Give the name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. State which is given.

Line 4. Give the name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.

Line 5. Give the distance, in feet, from the well to each source of pollution indicated. Explain other sources of pollution below.

ADDITIONAL SANITARY SURVEY

State your opinion concerning other pollution hazards:

60 Ft. to privy Slope to privy

ADDITIONAL INFORMATION

Data relating to screens, seals, type of casing joints, method of finishing the well, blasting, etc., may be given here: T & C. Joints

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☐ } Cudahy
Check one and give name

2. Location Worlds Wide Transfer Inc 1930 E College Cudahy Wis
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ John Steiner
Name of individual, partnership or firm

4. Mail Address Worlds Wide Transfer Inc 1930 East College Cudahy Wis
Complete address required

5. From well to nearest: Building 10 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed RED ft; abandoned well ____ ft.

6. Well is intended to supply water for: Same

OCT 31 1957
ENVIRONMENTAL SANITATION

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	131			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	89

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	13	10
sand	30	45
blue clay	35	80
sand	6	86
hard pan	3	89
lime stone	42	131

Construction of the well was completed on: Oct 22 19 57

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 36 ft.

Water-level when pumping: 52 ft.

Water sample was sent to the state laboratory at: Madison City on Oct 23 19 57

Signature Casimer Szydlowski Registered Well Driller

7570 So Howell South Mil Wis Complete Mail Address

Please do not write in space below

Rec'd OCT 24 1957 No. 36810

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	C				

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

JAN 31 1944

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Mr. Olson — Driller W.L.Lehrke Co.

Street or RFD ____ — Post Office West Allis, Wis.

Post Office Milwaukee, Wis — Date Janll /44 — Permit No. 44

LOCATION OF PREMISES

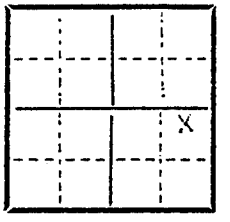
Milwaukee (County) — LAKE (Town)

Describe further by subdivision, plat, district, lake, lot.

On So. Side E. Vogel Ave. 2 Blks E. Vogel Ave. block, nearest principal highway, etc., whichever apply.

West of So. Nicholson Rd.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section. S½ NE¼



Sec. No. 27

Twp. North 6

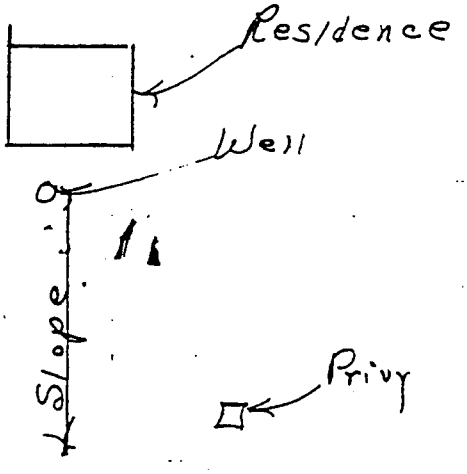
Range 22 E W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

NORTH

E. VOGEL ST. To Nicholson Rd.



Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

WELL LOG *and* REPORT

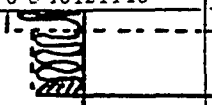
For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-39. Accuracy is essential.

In this column indicate the kind of casing, liner, shoe and other accessories used.

Concrete Pipe

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

Inches Diameter
2 3 4 5 6 8 10 12 14 16



Depth

Depth	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.
2	RED CLAY -15
15	
19	BLUE CLAY - ~~45~~
25	FINE SAND - 6
46	BLUE CLAY -21'
50	SAND - 4'
75	
100	
150	
200	
400	
800	
1200	

Draw the diagram to show the full diameter and right section of well only.

Key;
Concrete Pipe
Mud Grout
Cement Grout
STEEL PIPE

Record of FINAL Pumping test

Duration of test
Hours.....

Pumping rate
G.P.M.....

Depth of pump in well. Ft.....

Standing water-level (from surface)
Ft. 20

Water-level when pumping Ft.....

Water. End of test.
Clear.....
Cloudy.....
Turbid.....

Was the well sterilized?
Yes yes No.....

To which laboratory was sample sent?
No sample ta
Date.....

Was the well sealed on completion?
Yes yes No.....

How high did you leave casing-pipe above grade?
8"

Well was completed
Date April 7/43

Well Constructor
W.L.Lehrke Co.

Signature
W. L. Lehrke Co

Form 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED
FEB 21 1955
ENVIRONMENTAL SANITATION

1. County Milwaukee (SW¼ NE¼ Sec. 27 T6N R22E) (Town ☒ Village ☐ City ☐) Lake — Check one and give name

2. Location 2830 E. Vogel Ave.
Name of street and number of premise or Section, Town and Range number

3. Owner ☒ or Agent ☐ Frank Radowski
Name of individual, partnership or firm

4. Mail Address 2830 E.Vogel Ave. ~~XXXXXXXXX~~ Rt.1 Box 875 Cudahy Wisc.
Complete address required

5. From well to nearest: Building 15 ft; sewer xx ft; drain xx ft; septic tank xx ft; dry well or filter bed xx ft; abandoned well xx ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	20			
6	0	107			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	blk.WD 19.45	0	74

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mud	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
soil clay		9
sand	2	11
clay	27	38
gravel	6	44
clay	24	68
gravel	4	72
limestone gravel	2	74
limestone WB	33	107

Construction of the well was completed on: May 24 19 44

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.

Depth from surface to water-level: 36 ft.

Water-level when pumping: 38 ft.

Water sample was sent to the state laboratory at: Kenosha City on 5/24 19 44

Signature Arber & Krumm B G Gerber 5807 W.Hampton Rd Milwaukee 16
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

MAY - 1 19

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner David Schutz — Driller Lehrke Bros.

Street or RFD So. Pine Ave — Post Office 845 So. 85th West Allis

Post Office So. Milwaukee — Date Oct. 27, 1941 — Permit No. 44

LOCATION OF PREMISES

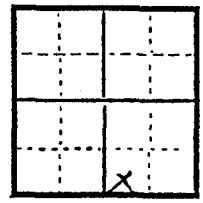
Milwaukee (County) — Lake (Town)

N. E. Corner of College Ave
Describe further by subdivision, plat, district, lake, lot,

and So. Pine St.
block, nearest principal highway, etc., whichever apply.

6300 So Pine St

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SW, SW, SE,

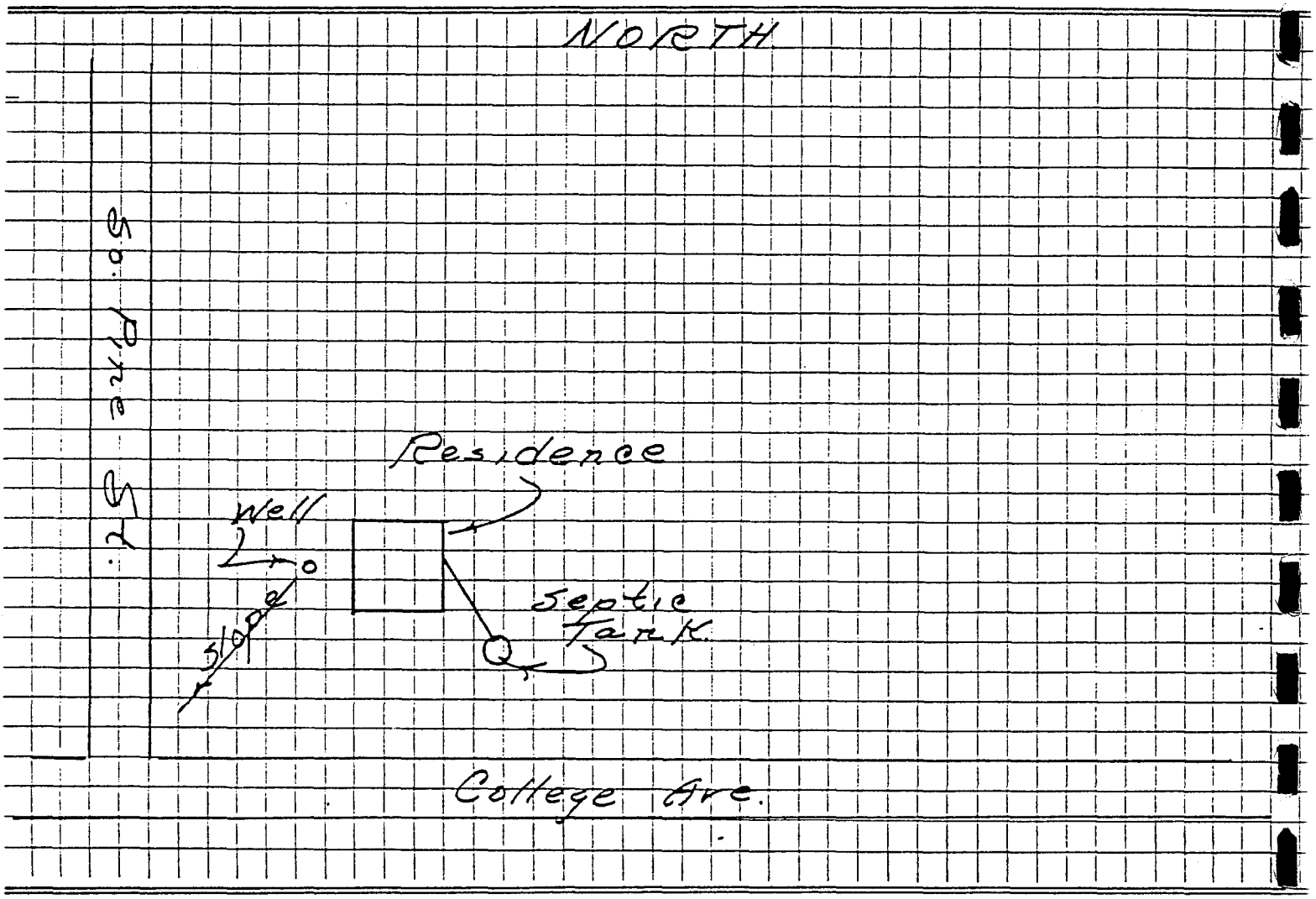
Sec. No. 33

Twp. No. 6

Range 22 { E / W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

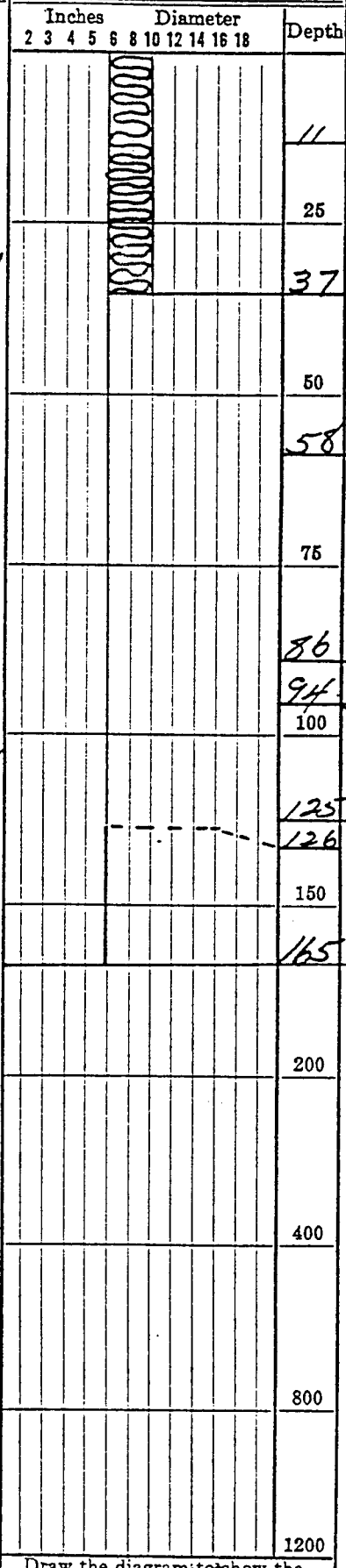
In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel Pipe Drillers' Special

Forged Steel Drive Shoe

Key;
= Casing Pipe
= Drillhole
= Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Red Clay - 11'

Blue Clay - 47'

Sandy Blue Clay - 28'

Sand - 8'

Stony Clay - 31'

Limestone - 40' (waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 7

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 42

Water-level when pumping Ft. 65

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha

Date 7/13/41

Was the well sealed o completion?
Yes ✓ No

How high did you leave th casing-pipe above grade?
6"

Well was completed
Date 7/11/41

Well Driller
Lehrke Bros.

Signature

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

MAR 4 19[illegible]

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Fred Smith Driller Lehrke Bros

Street or RFD W. Grange & Howell Post Office 845-So. 85th W. Allis

Post Office So. Milwaukee Date 3/2/42 Permit No. 44

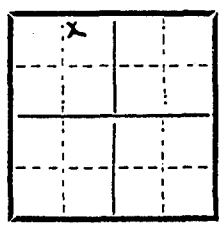
LOCATION OF PREMISES

Milwaukee County Lake Town

¼ Mile East of Howell Rd. Describe further by subdivision, plat, district, lake, lot.

on So. Side of E. Grange block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section. NE,NW,



Sec. No. 33

Twp. No. 6

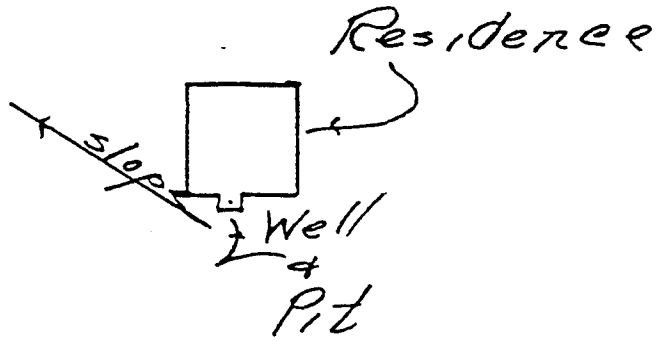
Range 22 { E / W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

NORTH.

To So. Howell Rd. E. Grange



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-39.

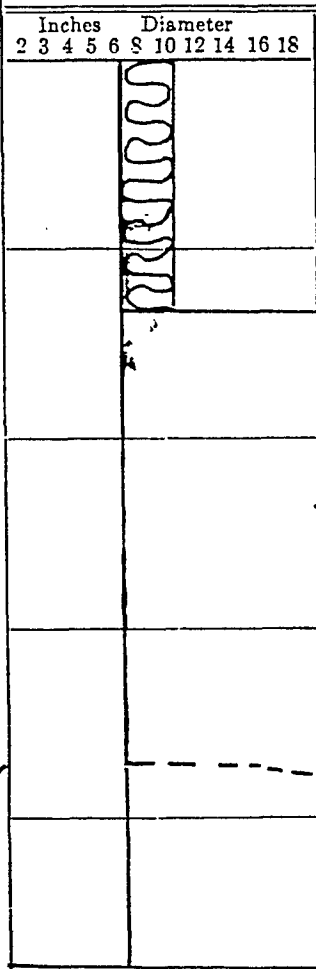
In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel Pipe Driller's Special

Forged Steel Drive Shoe

Key:
= Casing Pipe
= Drillhole
= Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Pit - 4'

Red Clay - 5'

Blue Clay - 49'

Stony Clay 21'

Hard Pan - 15'

Limestone - 46' (Waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 5

Pumping rate
G.P.M. 20

Depth of pump in well. Ft. 30

Standing water-level (from surface)
Ft. 18

Water-level when pumping Ft. 20

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date 1/13/42

Was the well sealed on completion?
Yes ✓ No

How high did you leave the casing-pipe above ~~grade?~~
6" P.T. Floor

Well was completed
Date 1/13/42

Well Constructor

Signature

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

JAN 31 1944

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ray Knaup — Driller W. L. Lehrke Co.

Street or RFD Clement Ave. & of Grange — Post Office West Allis, Wisc.

Post Office Milwaukee — Date July 8/43 — Permit No. 44

LOCATION OF PREMISES

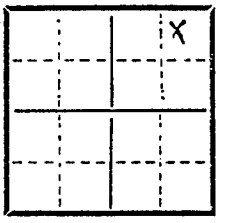
Milwaukee (County) — Lake (Town)

Clement Ave. So. of Grange Ave.

Describe further by subdivision, plat, district, lake, lot.

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



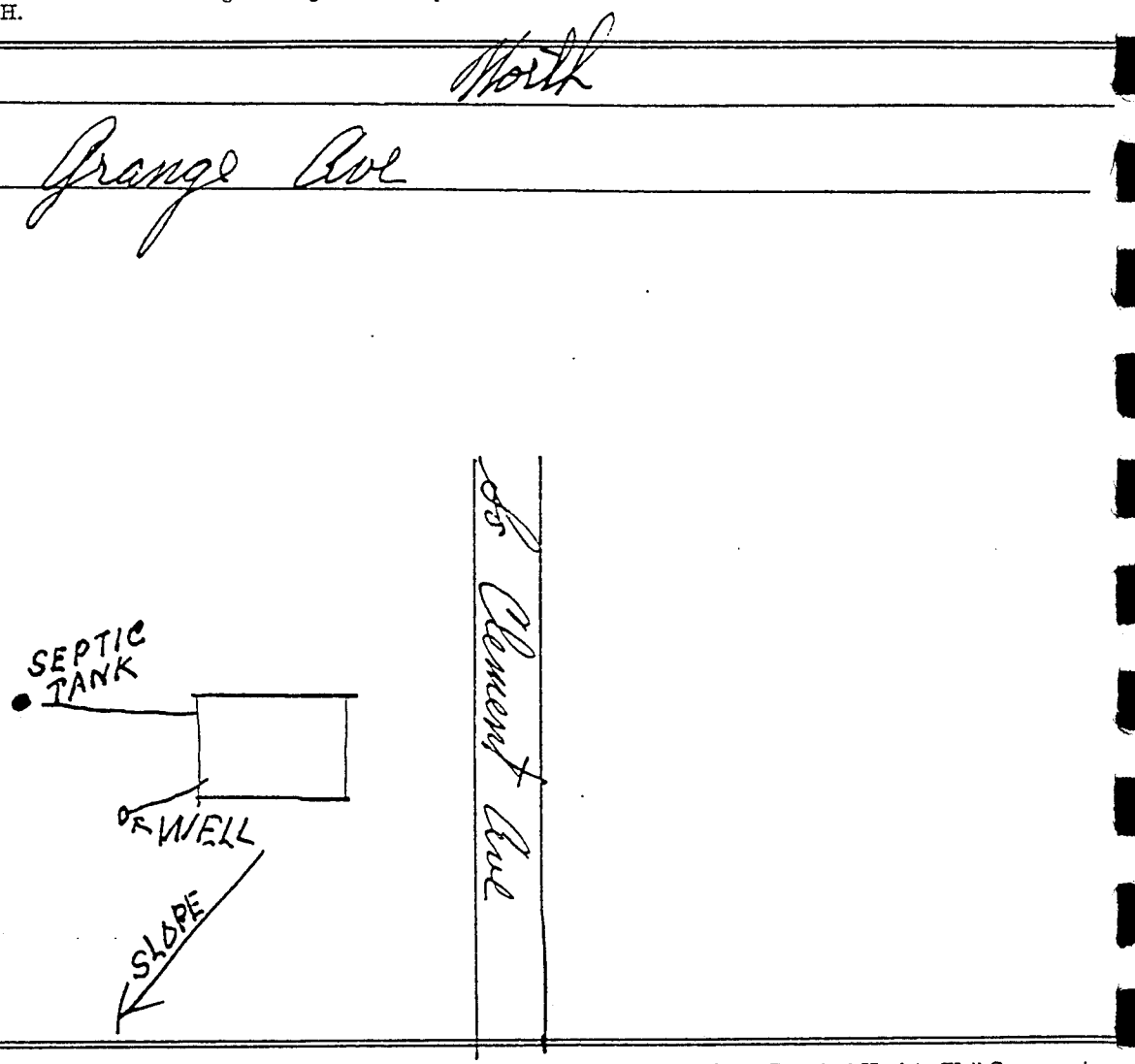
Sec. No. NE, NE, 33

Twp. No. 6

Range 22 E

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-39.

In this column indicate the kind of casing, liner, shoe and other accessories used.

Old Well
Upt. 33 ft
Standard well
Drillers pipe

Poe ?

First 33 ft. of well was made by the driller - We have no record of it.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

Inches Diameter 2 3 4 5 6 8 10 12 14 16 18

Depth: 25, 33, 50, 70, 75, 84, 85, 100, 150, 200, 400, 800, 1200

Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Old Well
6" pipe 33'

Blue Clay
37'

Sand, Gravel & Broken Rock 14'

Lime Rock
66'

Record of FINAL Pumping test

Duration of test
Hours 3

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 70

Standing water-level (from surface)
Ft. 10

Water-level when pumping Ft. 65

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date 8/43

Was the well sealed on completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
2½'

Well was completed
Date 8/43

Well Contractor
W. L. Lehrke
Signature

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ulrich Sparks — Driller L. L. Hay

Street or RFD 5641-S. Clement Ave, — Post Office R#1-Cudahy

Post Office Rt. 1-Box 348 B — Date 8/12/41 — Permit No. 159

Cudahy Wis.

LOCATION OF PREMISES

Milwaukee County — Lake Town

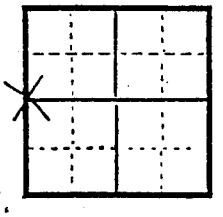
Private Home

Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

Near Grange Ave + Clement Ave.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



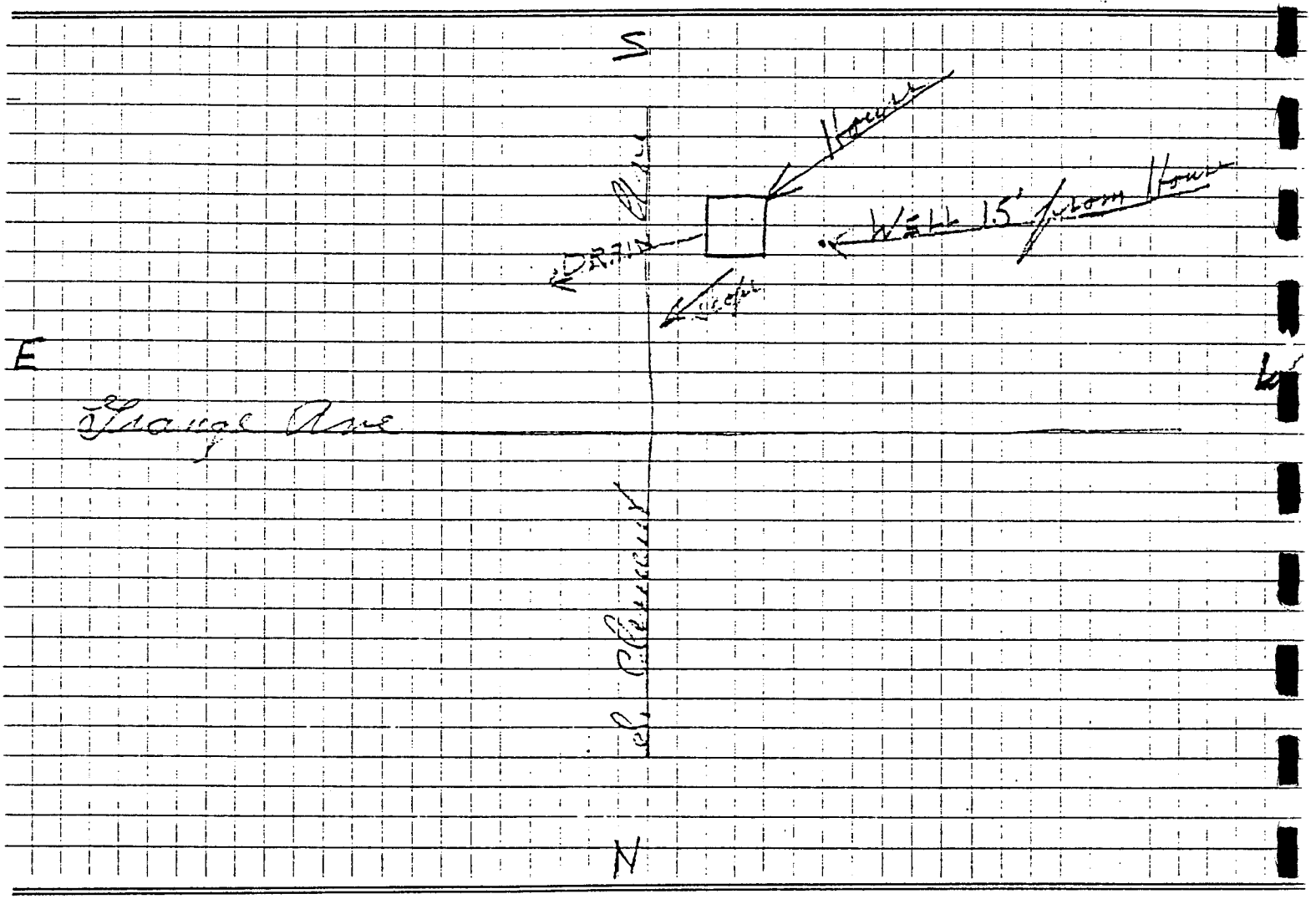
Sec. No. 33 or

Twp. No. 6

Range 22 E W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

STD. WT. WROT STEEL PIPE

FORGED STEEL DRIVE SHOE

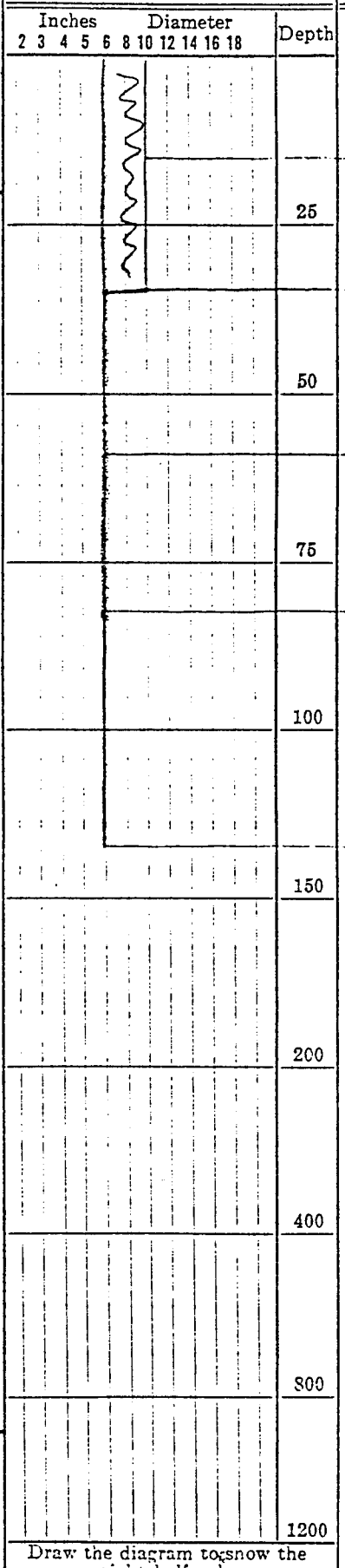
KEY

| Casing Pipe

| DRILL HOLE

SS - MUD GROUT

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

TOP SOIL & RED CLAY 15'

35' - 10" Hole

Stony Blue clay 25'

Hard Pan 22'

WATER BEARING LIMESTONE

Well was filled around casing with mud grout.

Record of FINAL Pumping test

Duration of test
Hours 5 hrs

Pumping rate
G.P.M. 10

Depth of pump in well. Ft. 54'

Standing water-level (from surface)
Ft. 50'

Water-level when pumping Ft. 50'

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No
one can of lime use

To which laboratory was sample sent?
Kenosha
Date 8/5/41

Was the well sealed o completion?
Yes ✓ No

How high did you leave th casing-pipe above grade?
1 ft.

Well was completed
Date 8/5/41
Corrected Aug. 28-
Comp'l. July 31-41

Well Driller
L. L. Hart
Signature

County Milw Twp. Lake Sec. 34 T6N R22E

(Office Record—Do not fill in)

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Sisters of St Frances (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Town of Lake (City, village, township, county) Milwaukee Co.

Driller Theo Vatey

Address Rt. 1 Box 335 Cudahy, Wisconsin

Date of Report July 1 19 37

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name ____ Lot ____ Blk. ____ Street and No. ____

If unincorporated hamlet Name ____ County ____ Twp. ____ Highway ____

If Lake Shore Plat Name of Plat ____ Lot ____ Blk. ____ Street ____

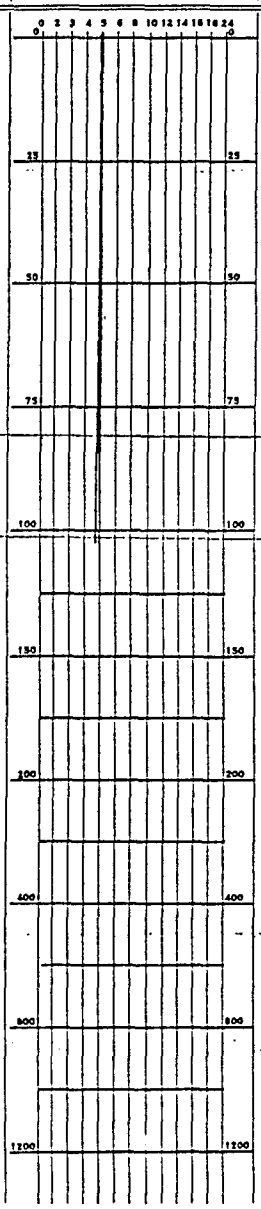
If Farm Milwaukee County Lake Twp. 34 Sec. Nicholson Road Highway

If School ____ County ____ Twp. ____ Sec. ____ District ____

If other public building ____ Kind ____ County ____ Twp. ____ Sec. ____

Miscellaneous ____ Kind ____ County ____ Twp. ____ Sec. ____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
82'-2" 75" Steel Drive Pipe		0' TO 81' Clay	Duration of test. Hours 3
Forged Steel Shoe.		81' TO 101' Lime Rock.	Pumping Rate. G. P. M. 30
			Depth of pump in well. Ft. 60
			Standing water-level (from surface.) Ft. 13
			Water level when pumping Ft. 38
			Water. End of test. Check: Clear ✓
			Cloudy ____
			Turbid ____
			Was well sterilized before test? Yes ____ No ✓
			Date ____
			To which Laboratory was sample sent? Madison
			Date May 31-37
			Was the well sealed on completion? Yes Pump No Just.
			How high did you leave casing above grade? 8"
			Well was completed July 31 19 37
			Well Driller:
			Signature.
			(Be sure to complete the report on the reverse side)

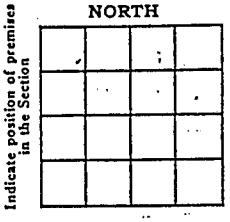
PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

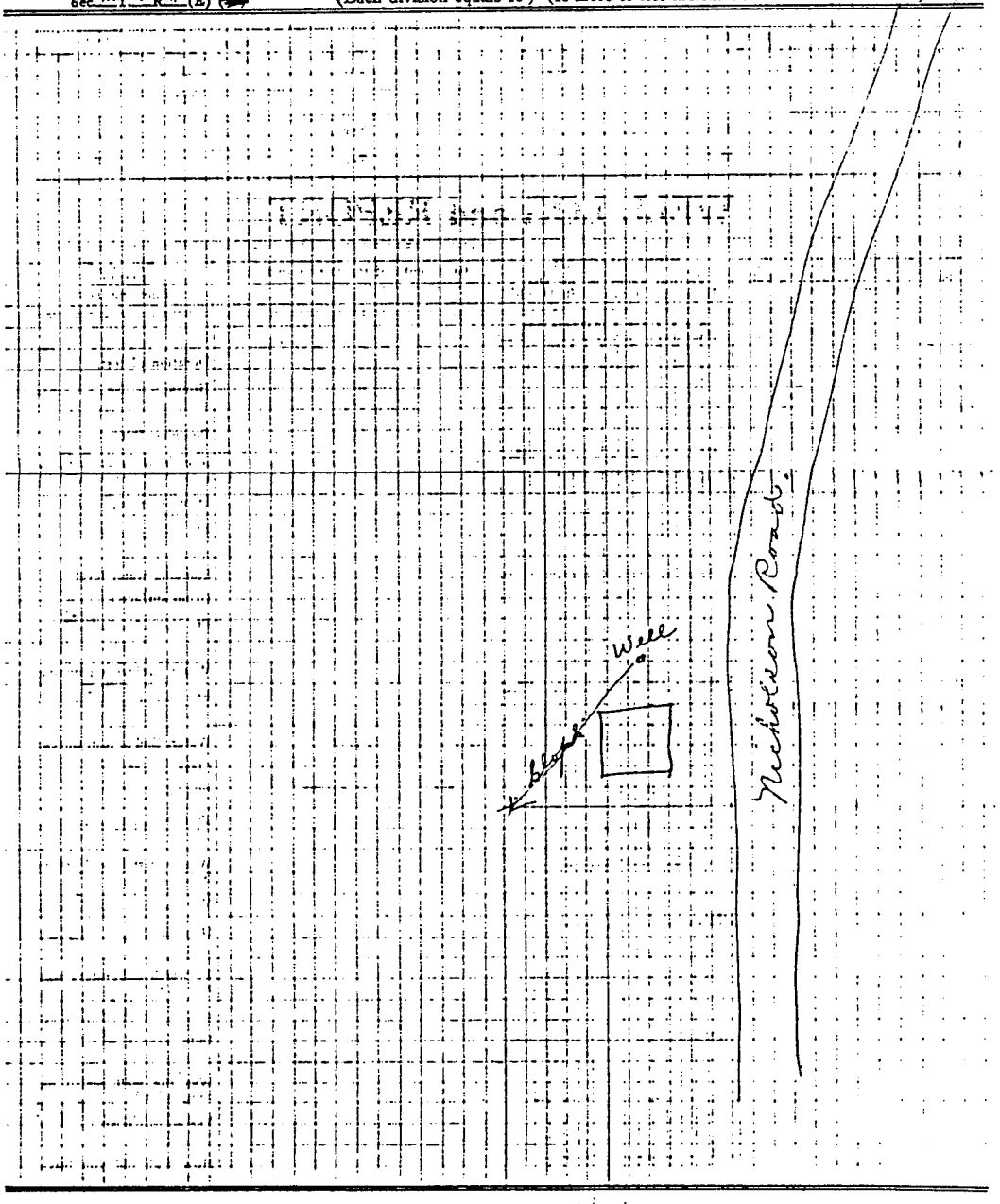
REMARKS:

Indicate position of premises in the Section

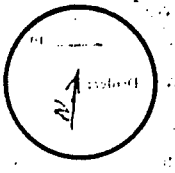


Sec. 31 T. 7 R. 7 (E) (W)

(Each division equals 10') (If more or less indicate: _____)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

See Instructions on Reverse Side

RECEIVED
OCT 14 1964
SANITARY ENGINEERING

1. County Milwaukee — Town ☐ Village ☐ City ☑ Cudahy (Check one and give name)

2. Location 6169 S Illinois (315-28E) — 5½ SE Sec 34 T6N R21E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☑ Select Builders
Name of individual, partnership or firm

4. Mail Address 15255 Watertown Plank Rd. Elm Grove
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain 25 ft; septic tank 50 ft;
dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6⅝	20	158			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
10D	Steel	0	94

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	88
Sand	88	94
Fine Stone	94	158

Construction of the well was completed on: Sept 11 19 64

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes ✓ No ____

Was the well sealed watertight upon completion?
Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 13 GPM.

Depth from surface to water-level: 65 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at: Madison (City) on Sept 19 64

Signature Lenz Well Drilling (Registered Well Driller) 4440 N. 135 St. Brookfield, Wis. (Complete Mail Address)

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ Cudahy Wis. (Check one and give name)

2. Location 5747 S Pennsylvania Ave. NE SE NW Sec 34 T6N R22E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Cudahy Kart Raceway Inc.
Name of individual, partnership or firm

4. Mail Address 5747 S. Pennsylvania Ave. Cudahy Wis.
Complete address required

5. From well to nearest: Building 5 ft; sewer 9 ft; drain not installed ft; septic tank ft;
dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: Sanitary Fillacities

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	0	189			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Blk. WD 19.45	0	90

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mud	6	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay stony		18
clay	14	32
clay sandy	14	46
gravel	13	59
clay gravel	19	78
gravel	8	86
conglamerate	4	90
limestone	46	136
crevices	6	142
limestone Wb	47	189

Construction of the well was completed on: June 28 19 60

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 18 ft.

Water-level when pumping: 39 ft.

Water sample was sent to the state laboratory at: Madison City on 6/28 19 60

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature Garber & Son B. G. Garber
Registered Well Driller

5807 W. Hampton Rd Milwaukee 18
Complete Mail Address

Please do not write in space below

Rec'd JUN 29 1960 No. 22925

Ans'd

Interpretation UNSAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	+			
48 hrs.	+	+			
Confirm	+	+			
B. Coli	2/5				

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

W½ NE Sec 34 Twn 8 R 22 E

1. County Milwaukee — Town ☐ Village ☐ City ☒ Cudahy (Check one and give name)

2. Location 5700 S. Pennsylvania Av
Name of street and number or premise or Section, Town and Range numbers

RECEIVED
FEB 17 1958
ENVIRONMENTAL SANITATION

3. Owner ☒ or Agent ☐ Nissen Crane & Service Co.
Name of individual, partnership or firm

4. Mail Address 814 W. Armour Milwaukee 7 Wisc.
Complete address required

5. From well to nearest: Building 5 ft; sewer — ft; drain — ft; septic tank 56 ft;
~~dry well~~ or filter bed 57 ft; abandoned well — ft.

6. Well is intended to supply water for: repair shop

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	194			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Blk Std W.D 19.45#6	+8"	98

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	6	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay Stoney	0	15
Sandy Clay	15	50
Silt & Gravel	50	56
Hardpan Muddy	56	60
Sand & Gravel	60	78
Hard pan	78	91
Lime Stone Shells	91	97
Limestone W B	97	194

Construction of the well was completed on: Feb. 5 19 58

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ____ No ✓

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 10 Hrs. at 12 GPM.

Depth from surface to water-level: 18 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at: Madison City on Feb 5 19 58

Signature GARBER & Son (P. P. Garber) 5807 W. Hampton Av Milwaukee 18 Wisc
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd FEB 6 1958 No. 2945

Ans'd

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SEP 18 1945 ✓

1. County Milwaukee — Town ~~Village~~ ~~City~~ Lake

2. Location 5643 So Nicholson (SWNWNE Sec 31 T6N R22E)

3. Owner or Agent S. A. Phillips

4. Address 5643 So Nicholson

5. From well to nearest: Building 15 ft; sewer 25 ft; drain 25 ft; septic tank 50 ft; dry well or filter bed 75 ft; abandoned well _____ ft.

6. Well is intended to supply water for: ~~Household~~

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
6"	TOP	BOTTOM
10"	TOP	25'

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	STEEL	TOP	93

9. GROUT:

Kind	From (ft.)	To (ft.)
MUD	TOP	25

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
RED CLAY	20	20
BLUE CLAY	60	80
SAND	13	93
LIMESTONE	37	130

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water: 25 ft.

Water-level when pumping: 50 ft.

Water sample sent to laboratory at

_____ on _____ 19____

Signature Harvey Acker
Registered Well Driller

Construction of the well was completed on July 17 1945

The well is terminated 6 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion?

Yes _____ No X

Was the well sealed watertight upon completion?

Yes X No _____

9316 W Caldspring West Allis
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OCT 22 1945

1. County Milw. { Town / ~~Village~~ / City } Lake

2. Location College Ave. @ So. Nicholson Rd

3. Owner or Agent Walter Pierson

4. Address T6N R22E Sec34 OR T5N R22E Sec3

5. From well to nearest: Building_____ft; sewer_____ft; drain_____ft; septic tank_____ft; dry well or filter bed_____ft; abandoned well_____ft.

6. Well is intended to supply water for: _____

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	40
6	40	156

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Pipe	0	109

9. GROUT:

Kind	From (ft.)	To (ft.)
Hillard		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	20	20
Blue Clay	55	75
Sand Rock	10	85
Hard Pan	24	109
Limestone	47	156

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 40 ft.

Water sample sent to laboratory at Kewaukee on _____ 19____

Construction of the well was completed on 10/13/45 19____

The well is terminated 12" inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ✓ No_____

Was the well sealed watertight upon completion? Yes ✓ No_____

Signature L L May
Registered Well Driller

R. F. Conklin
Complete Mail Address

Wel. 6-30M(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE (N½ Sec 3 T5N R22E) — Town ☐ Village ☐ City ☑ So. MILWAUKEE (Check one and give name)

2. Location 1835 E COLLEGE AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ GEORGE S. DAWIDZIAK
Name of individual, partnership or firm

4. Mail Address SAME
Complete address required

5. From well to nearest: Building 15 ft; sewer 20 ft; drain 15 ft; septic tank 50 ft; dry well or filter bed 100 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	173			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	125

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	17
BLUE CLAY	17	110
HARDPAN	110	124
POROUS LIME	124	125
SOLID LIME	125	173

Construction of the well was completed on: AUG. 29 1955

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No _____

Was the well sealed watertight upon completion? Yes ✓ No _____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 77 ft.

Water sample was sent to the state laboratory at: MADISON City on AUG. 29 1955

Signature Lee J. Plawat (Registered Well Driller) 5561 So. 6TH ST. MILWAUKEE, 15 (Complete Mail Address)

Please do not write in space below

Rec'd AUG 31 1955 No. 23965

Ans'd _____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0				

5

Examiner _____

Wel. 6-30M(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED JUN 19 1951 BUREAU SAN. ENG.

1. County MILWAUKEE — Town ☐ Village ☐ City ☐ — So. MILWAUKEE (Check one and give name)

2. Location 1601 E. COLLEGE — N½ Sec 3 T 5N R 22E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ ROBERT H. SCHULTEN
Name of individual, partnership or firm

4. Mail Address 3352 E. COLLEGE AVE So. MILWAUKEE WIS
Complete address required

5. From well to nearest: Building NONE ft; sewer NONE ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	141			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	113

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	10
BLUE CLAY	10	65
SAND	65	90
HARD PAN	90	110
POROUS LIME	110	113
SOLID LIME	113	141

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at: MADISON City on JUNE 12 1951

Construction of the well was completed on: JUNE 12 1951

The well is terminated 12 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Leo J. Blewett — Registered Well Driller

5561 So. 6TH ST MIL 7, WIS — Complete Mail Address

Please do not write in space below

Rec'd JUN 13 1951 No. 8620

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED
SEP 23 1960
SANITARY ENGINEERIN

1. County MILWAUKEE (N½ Sec 3 T5N R22E) — Town ☐ Village ☐ City ☑ So. MILWAUKEE — Check one and give name

2. Location 1183 E. COLLEGE AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ ERNEST HOMSIK
Name of individual, partnership or firm

4. Mail Address 4107 So. CLEMENT AVE MILWAUKEE, WIS.
Complete address required

5. From well to nearest: Building 30 ft; sewer 40 ft; drain 40 ft; septic tank 40 ft; dry well or filter bed 160 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	23	6	23	125
~~6~~	~~23~~	~~202~~	5	125	202

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	~~111~~
5	20' OF 5" LINER	105	125

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	23

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	109
POROUS LIME	109	111
CAVITY LIME	111	125
20' OF 5" LINER	105	125
SOLID LIME	125	202

Construction of the well was completed on: AUG. 6, 1960

The well is terminated 10 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No _____

Was the well sealed watertight upon completion? Yes ✓ No _____

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.

Depth from surface to water-level: 56 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: MADISON City on SEPT. 14 1961

Signature Leo J. Blaust (Registered Well Driller) 1731 W. PRANCE AVE MIL. 21, WIS (Complete Mail Address)

Please do not write in space below

Rec'd SEP 16 1960 No. 36415

Ans'd _____

Interpretation UNSAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	+	+	+	
48 hrs.					
Confirm	+	+	0	0	
B. Coli	2/5				

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

E½NWSec.3 T5N R22E

1. County MILWAUKEE — Town ☐ Village ☐ City ☑ OAK CREEK (Check one and give name)

2. Location 6465 So. PENNSYLVANIA AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ VERNON H. BOUBDO
Name of individual, partnership or firm

4. Mail Address 6465 So. PENNSYLVANIA AVE — So. MILWAUKEE WIS.
Complete address required

5. From well to nearest: Building 25 ft; sewer 30 ft; drain 30 ft; septic tank 100 ft; dry well or filter bed 100 ft; abandoned well ____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	172			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	142

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	17
BLUE CLAY	17	140
POROUS LIME	140	142
SOLID LIME	142	172

RECEIVED FEB 1 1960 STATE BOARD OF ENGINEERING

Construction of the well was completed on: JAN. 2 19 60

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 50 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at: MADISON City on JAN. 20 1960

Signature Leo J. Blount Registered Well Driller — 1731 W. GRANGE AVE MIL. 21, WIS. Complete Mail Address

Please do not write in space below

Rec'd JAN 21 1960 No. 2139

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner ____

Wd. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NENENWSec 3TSNR22E See Instructions on Reverse Side

1. County Milwaukee — Town ☑ Oak Creek / Village ☐ / City ☐ — Check one and give name

2. Location 851 Nicholson av
Name of street and number of premise or Section, Town and Range numbers

RECEIVED JAN 19 1954 ENVIRONMENTAL SANITATION

3. Owner ☑ or Agent ☐ William F. Rehbein
Name of individual, partnership or firm

4. Mail Address 724 Madison av South Milwaukee Wis.
Complete address required

5. From well to nearest: Building 15 ft; sewer 44 ft; drain 15 ft; septic tank 48 ft; dry well or filter bed ✓ ft; abandoned well ✓ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	23			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel	0	101

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	23

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	13	13
Blue clay	14	27
Sand & Gravel	41	68
Stoney clay	28	96
Hard Pan	5	101
Limestone	57	158

Construction of the well was completed on: 1-12 19 54

The well is terminated 9 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No

Was the well sealed watertight upon completion? Yes ✓ No

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 8 GPM.

Depth from surface to water-level: 72 ft.

Water-level when pumping: 74 ft.

Water sample was sent to the state laboratory at: Madison City on 1-13 1953

Signature John Bros 8620 W. National av Wauwatosa 14 Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd JAN 1 [illegible] No. 940

Ans'd

Interpretation Unsatisfactory
Coliform present

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (NE Sec 3 T5N R22E, SE Sec 34 T6N R22E) Town ☐ Village ☐ City ☒ South Milwaukee
   Check one and give name
2. Location On College Ave, a block east of Pennsylvania ave.
   Name of street and number of premise or Section, Town and Range numbers
3. Owner ☐ or Agent ☒ Melvin Krueger, Pastor
   Name of individual, partnership or firm
4. Mail Address _____
   Complete address required
5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 75 ft; dry well or filter bed ____ ft; abandoned well ____ ft.
6. Well is intended to supply water for: Church

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DEC 30 1957
WISCONSIN STATE BOARD OF HEALTH SANITATION

7. **DRILLHOLE:**

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	150

8. **CASING AND LINER PIPE OR CURBING:**

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	W. P. Steel 19#	0	107

9. **GROUT:**

Kind	From (ft.)	To (ft.)
Puddle clay	0	20

10. **FORMATIONS:**

Kind	From (ft.)	To (ft.)
Red clay	0	10
Blue Clay	10	75
Sand + Gravel and blue clay	75	100
Hardpan + broken rock	100	107
Limerock	107	150

Construction of the well was completed on: Dec 19 1957

The well is terminated 12 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. **MISCELLANEOUS DATA:**

Yield test: 8 Hrs. at 10 GPM.

Depth from surface to water-level: 50 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at: Madison City on Dec 20, 1957

Signature _____ Registered Well Driller

3033 W. Coldspring Rd. Milw. 15 Wis. Complete Mail Address

Please do not write in space below

Rec'd DEC 23 1957 No. _____

Ans'd This sample is unsatisfactory for bacteriological analysis because of the presence of chlorine.

Interpretation _____

Gas	10 ml	10 ml	10 ml	10 ml	10 ml
24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

FEB 20 1946

1. County MILWAUKEE { Town ~~Village~~ ~~City~~ LAKE

2. Location 5446 S. PENNSYLVANIA AVE SWSWSE Sec 27 T6N R22E

3. Owner or Agent AUGUST RADDATZ

4. Address 5446 S. PENNSYLVANIA AVE

5. From well to nearest: Building 15 ft; sewer ___ ft; drain ___ ft; septic tank 50 ft; dry well or filter bed ___ ft; abandoned well ___ ft.

6. Well is intended to supply water for: HOME

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
6	30	133

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	STANDARD WEIGHT IRON PIPE	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	30

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
YELLOW CLAY	18	18
BLUE CLAY	25	43
STONY CLAY	28	71
GRAVEL (COURSE)	12	83
STONY CLAY	10	93
HARD PAN (BOULDERS)	17	110
LIME STONE (WATER BEARING)	23	133

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: 15 ft.

Water-level when pumping: 35 ft.

Water sample sent to laboratory at RENOSHA on Dec. 29 1945

Construction of the well was completed on Dec 29 1945

The well is terminated 8 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes X No ___

Was the well sealed watertight upon completion? Yes X No ___

Signature Robert W. Hanke
Registered Well Driller

5038 N. 50th St Milw 9 Wis
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

APR 24 1945

SE SW SE Sec 27 T6N R22E

1. County Milwaukee { Town / Village / City } Lake

2. Location 2700 E Grange Ave

3. Owner ~~or Agent~~ T. W. Sawitzki

4. Address Milwaukee - Wis.

5. From well to nearest: Building 8 ft; sewer — ft; drain — ft; septic tank — ft; dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	35
6	35	111

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	111

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	35

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	1	1
Blue Clay	37	48
Sandy Clay	26	74
Sand	6	80
Blue Clay	28	108
Bl. Lmst. Rock	3	111
Limestone	68	179

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 20 GPM.

Depth from surface to water: 47 ft.

Water-level when pumping: 57 ft.

Water sample sent to laboratory at Kenosha on April 2 1945

Construction of the well was completed on April 2 1945

The well is terminated 6 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes ← No

Was the well sealed watertight upon completion? Yes ← No

Signature W. L. Lehike
Registered Well Driller

845 - 108 St. West Allis 14 Wis.
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☒ / Village ☐ / City ☐ TOWN of LAKE (Check one and give name)

2. Location 5278 So PENN. AVE [SWNWSE Sec 27 T6N R22E]
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ MRS M. MUSZYNSKI
Name of individual, partnership or firm

4. Mail Address 5278 So PENN. AVE
Complete address required

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AUG 1 0 1949
BUREAU SAN. ENG.

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank — ft; dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: RESADENTS

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	35	6	35	154

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	STEEL PIPE	0	120

9. GROUT:

Kind	From (ft.)	To (ft.)
PUDDLED CLAY	0	35

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
CLAY	0	40
SAND	40	80
HARD PAN	80	120
LIME STONE	120	154

Construction of the well was completed on: July 29 19 49

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 11 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 25 ft.

Water sample was sent to the state laboratory at: KENOSHA 29 (City) on JULY 19 49

Signature Joseph Woder — Registered Well Driller

4654 N 29 St MILWAUKEE 9 WIS — Complete Mail Address

Please do not write in space below

Rec'd 7-30-49 No. 10021

Ans'd 7-31-49

Interpretation Chlorine

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	+	+	+	+
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SE NE SE Sec 27 T6N R22E See Instructions on Reverse Side

RECEIVED JAN 28 1951 BUREAU SAN. ENG.

1. County Milwaukee, {Town ☒ Village ☐ City ☐} of Lake, Check one and give name.

2. Location 3125 East Underwood, Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ F. H. Trinkl, Name of individual, partnership or firm

4. Mail Address Same, Complete address required

5. From well to nearest: Building 6 ft; sewer 25 ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: 1 family Home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	115			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Weight Inspected No 1 Used Pipe	0	104

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	104

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	50
Blue Clay	50	85
Sand	85	104
Lime Rock	104	115

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 33 ft.

Water sample was sent to the state laboratory at: Madison City on Jan 23 1951

Construction of the well was completed on: Jan 22 1951

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Clarence Ackes 3934 So. 41st St. Milw. 15 Wisc
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd JAN 25 1951 No. 9031

Ans'd ____

Interpretation Unsafe

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	0	0	+	0
48 hrs.	+	+	+	+	0
Confirm					
B. Coli					

Examiner ____

County Milw Twp. Lake Sec. 28 T6N R22E

is now the airport area - well is probably abandoned

SW, SW, SE, Sec. 28 T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner A. Schraetis (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Town of Lake (City, village, township, county) Milwaukee Co.

Driller Geiske Bros.

Address 845 So. 85 St. West Allis, Wis.

Date of Report Oct 24 1938

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.

If unincorporated hamlet Name County Twp. Highway

If Lake Shore Plat Name of Plat Lake Lot Blk. Street

If Subdivision

If Farm Milwaukee (Name) Lake (County) 28 (Twp.) E. (Sec.) Grange Ave (Highway) Lot Blk.

If School County Twp. Sec. District

If other public building Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
100' of 5" Steel drive pipe down 103'	0 2 3 4 5 6 8 10 12 14 16 18 24	0' TO 4' Pit	
	25	4' TO 45' Sandy Clay	Duration of test. Hours 6
	50		Pumping Rate. G. P. M. 15
	75	45' TO 102' Stony Clay	Depth of pump in well. Ft. 65
5" Forged shoe	100		Standing water-level (from surface.) Ft. 8'
	125	102' TO 129 Lime rock	Water level when pumping Ft. 60
	150		Water. End of test. Check: Clear ✓
	200		Cloudy
	400		Turbid
	800		Was well sterilized before test? Yes ✓ No
	1200		Date 9/10/38
			To which Laboratory was sample sent? Kenosha
			Date 9/11/38
			Was the well sealed on completion? Yes ✓ No
			How high did you leave casing above grade? 8" above pit floor
			Well was completed 9/11 1938
			Well Driller: W. Geiske Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

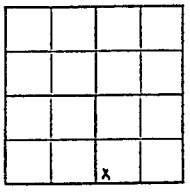
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the campass. See Part III of Code for specimen Diagram.

REMARKS: Report blasting and unusual items in this space:

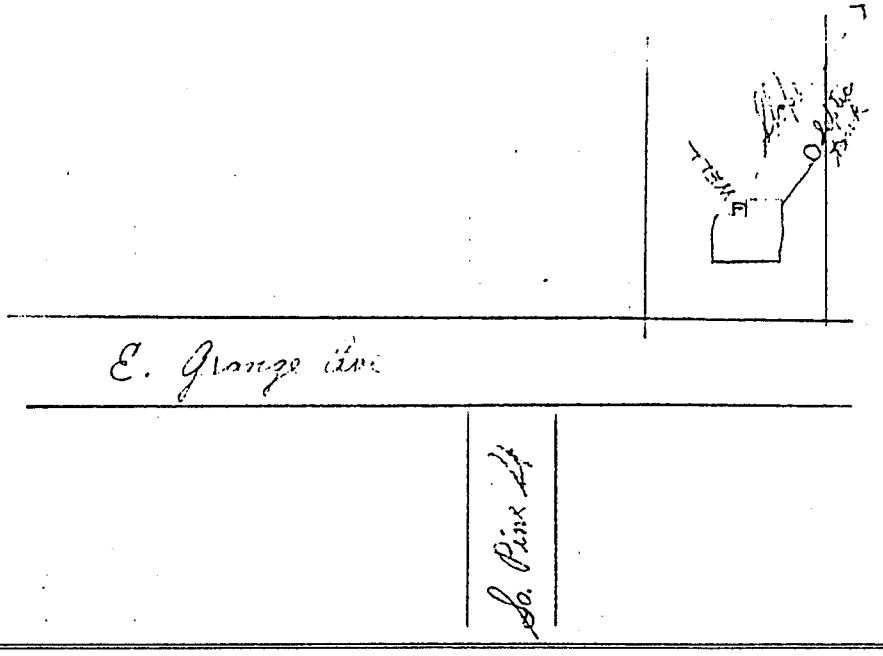
The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

NORTH

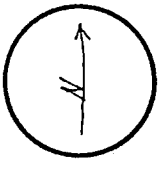


Sec. 28 T. 6 R. 22 (E) ~~(W)~~ (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

ML-302

RECEIVED
MAY 10 1951
BUREAU
SAN. ENG.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (SE, NW, Sec 28 T6N R22E) Town ☐ Village ☐ City ☒ Town of Lake — Check one and give name

2. Location General Mitchell Field, Town of Lake, Wisconsin
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Tactical Air Direction Center, General Mitchell Field
Name of individual, partnership or firm

4. Mail Address Tactical Air Direction Center, General Mitchell Field
Complete address required

5. From well to nearest: Building ---ft; sewer ---ft; drain ---ft; septic tank ---ft; dry well or filter bed ---ft; abandoned well ---ft.

6. Well is intended to supply water for: Drinking, toilets, boiler, etc.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
16"	0	105			
8"	105	300			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
16"	steel	0	85
10"	GWI	0	105

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement	0	105

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	60
Gravel	60	85
Niagara limestone	85	300

Construction of the well was completed on:

October 4, 19 50

The well is terminated 18" inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes x No

Was the well sealed watertight upon completion?

Yes x No

11. MISCELLANEOUS DATA:

Yield test: --- Hrs. at --- GPM.

Depth from surface to water-level: --- ft.

Water-level when pumping: --- ft.

Water sample was sent to the state laboratory at:

Madison City on October 19 50

Signature Ralph E. Milaeger
Registered Well Driller

Milaeger Well Drilling Co.
4630 West Burleigh Street, Milw. 10, Wis.
Complete Mail Address

Please do not write in space below

Rec'd ---- No. ----

Ans'd ----

Interpretation ----

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ----

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OCT 22 1945

1. County Metro { Town / ~~Village~~ / ~~City~~ } Lake

2. Location College Ave. & So. Michaelson Rd

3. Owner or Agent Walter Tiroman

4. Address T6N R22E sec34 OR T5N R22E sec3

5. From well to nearest: Building ____ ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: ____

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	40
6	40	156

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Pipe	0	109

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	20	20
Blue Clay	55	75
Sand Rock	10	85
Hard Pan	24	109
Limestone	47	156

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 40 ft.

Water sample sent to laboratory at Kenosha on ____ 19____

Construction of the well was completed on 10/13/45 19____

The well is terminated 12 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature L L May
Registered Well Driller

R #1 Union Grove
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

Sec 34 T6N R22E

1. County Milwaukee { Town ☑ / Village ☐ / City ☐ } [redacted] Lake — Check one and give name

2. Location Nicholson av. 3 blk. North of College av
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ Stan. Kunkowski
Name of individual, partnership or firm

4. Mail Address 3601 S. Chase av. Milwaukee Wis
Complete address required

RECEIVED AUG 6 1951 BUREAU SAN. ENG.

5. From well to nearest: Building 15 ft; sewer 35 ft; drain 15 ft; septic tank [illegible] ft; dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	24			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	24

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	13	13
Blue clay	87	100
Gravel	15	115
Limestone	30	145

11. MISCELLANEOUS DATA:

Yield test: 14 Hrs. at 10 GPM.

Depth from surface to water-level: 56 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at: Menosha City on 7-24 1951

Construction of the well was completed on: 7-24 1951

The well is terminated 6 inches ☑ above, below ☑ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature John Buss & Co. 8620 Nr. National av. West Allis Wis
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd 7-27-51 No. [illegible]

Ans'd [illegible]

Interpretation [illegible]

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner [illegible]

Wd. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milw. Town ☒ Village ☐ City ☐ Oak Creek (Check one and give name)

2. Location T6N R22E E½ Sec34 S. Roberts St. (Ave?) (Name of street and number of premise or Section, Town and Range numbers)

RECEIVED SEP 30 1954 ENVIRONMENTAL SANITATION

3. Owner ☒ or Agent ☐ Glenn Cooper (Name of individual, partnership or firm)

4. Mail Address _____ (Complete address required)

5. From well to nearest: Building 15 ft; sewer _____ ft; drain _____ ft; septic tank 50 ft; dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: Private Lawn Sprinkling

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	20	6	20	137

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	W.D Steel	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	10
Sand	10	20
Blue Clay	20	45
Sand & Bl Clay	45	55
Blue Clay	55	95
Hard Pan	95	107
Limerock	107	137

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 65 ft.

Water sample was sent to the state laboratory at: Madison City on Sept. 22 1954

Construction of the well was completed on: Sept. 22, 1954

The well is terminated 12 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No _____

Was the well sealed watertight upon completion? Yes X No _____

Signature Robert Coffman Registered Well Driller

3033 W. Coldspring Rd. Milw 15, Wis. Complete Mail Address

Please do not write in space below

Rec'd SEP 24 1954 No. 30337

Ans'd _____

Interpretation UNSAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0	0	0	0	7
48 hrs.	+	+	0	+	
Confirm					
B. Coli	4/5				

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

APR 27 1946

1. County Milwaukee { Town / Village / City } of Lake

2. Location SW¼ of SW¼ of Sec. 34, T. 6 N--R 22 E

3. Owner or Agent Frank Petrovic

4. Address 1622 A South Third Street, Milwaukee, Wisconsin

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	15
6	15	145

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Weight Steel Pipe	0	105

9. GROUT:

Kind	From (ft.)	To (ft.)
Rock cuttings	0	15

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Gravel	15	15
Blue Clay	85	100
Hard Pan	5	105
Lime Rock	40	145

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 40 ft.

Water sample sent to laboratory at Kenosha on March 3 19 46

Construction of the well was completed on March 1 19 46

The well is terminated 6 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

Signature Casimer Szydlowski
Registered Well Dealer

Casimer Szydlowski

2502 A South Fourth Street
Complete Mail Address
Milwaukee 7, Wisconsin

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

AUG 19 1940

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner J. Learned. Driller Lehrke Bros ✓

Street or RFD R.R.1 Bx 298 Post Office 845-So. 85th West Allis

Post Office Cudahy Date Aug. 14, 1940 Permit No. 44

LOCATION OF PREMISES

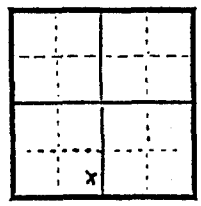
Milwaukee County — Lake Town

1 Blk So. of College Ave
Describe further by subdivision, plat, district, lake, lot,

on West Side of
block, nearest principal highway, etc., whichever apply.

Nicholson

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SESESW

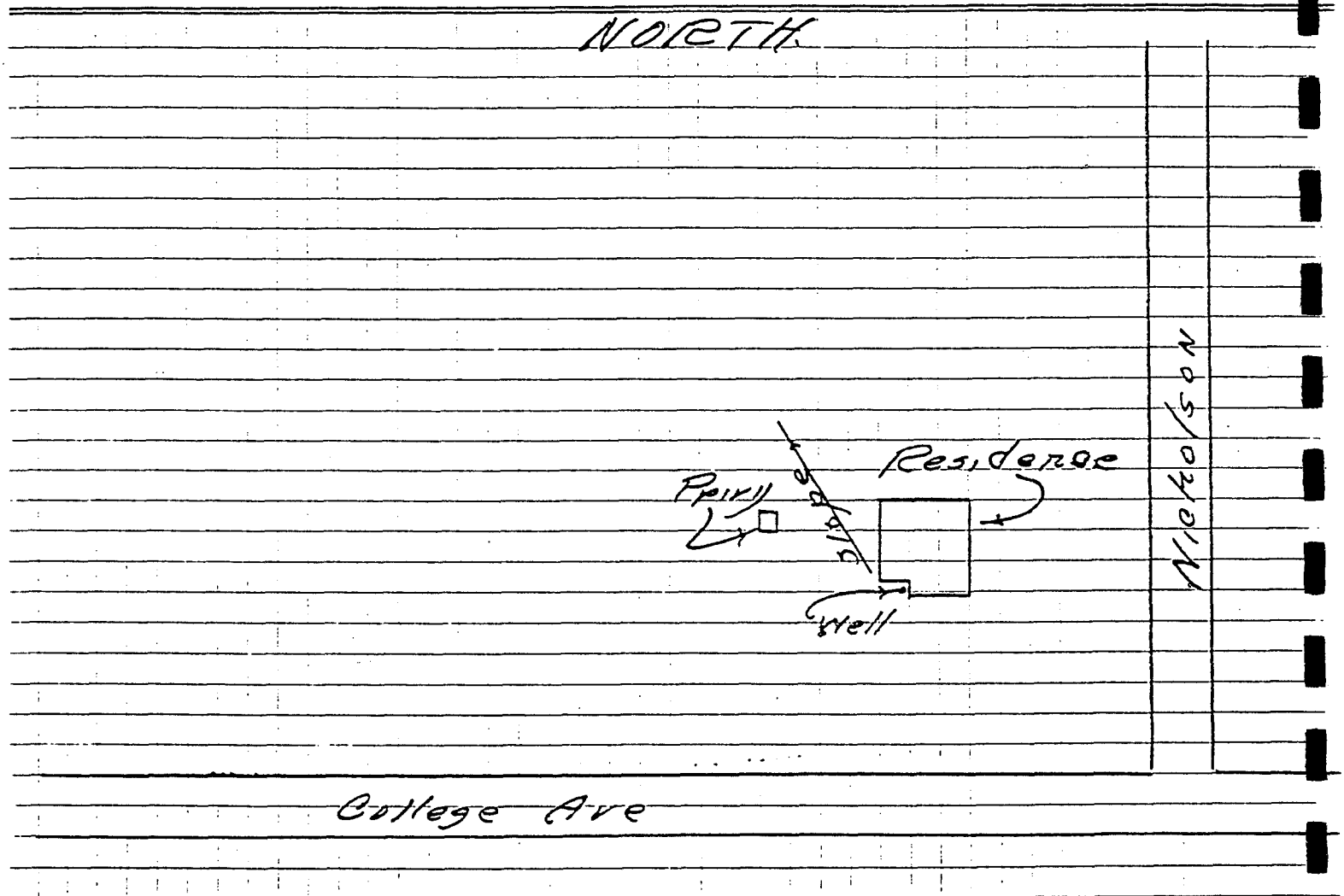
Sec. 34

Twp. 6N

Range 22 E W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test

Inches Diameter: 2 3 4 5 6 8 10 12 14 16 18

Std. Wt. Steel Pipe Drillers Special

Forged Steel Drive Shoe

Key:
= Casing pipe
= Drillhole
= Mud Grout

Depth	Formations penetrated
12	Red Sandy Clay - 12'
18	
25	
50	Soft Blue Clay - 81'
75	
93	
100	Sand - 13'
106	
119	Stony Clay - 13'
132	
133	Hardpan - 13
150	
175	Limestone - 43' (waterbearing)
200	
400	
800	
1200	

Draw the diagram to show the right half only

Record of FINAL Pumping test

Duration of test
Hours 4

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 60

Standing water-level (from surface)
Ft. 70

Water-level when pumping Ft. 73

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date July 22-4

Was the well sealed on completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date July 21-4

Well Driller
Lehike Bros.
Signature

Wis. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☒ } Check one and give name Oudahy

2. Location 2205 E. College Ave (SE¼ SE¼ Sec. 34 Tow. 7 R. 22 E)
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Gerald Hahn
Name of individual, partnership or firm

4. Mail Address
Complete address required

RECEIVED AUG 1955 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Private dwelling

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	20	6	20	170

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	W.D. Steel	0	125

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay + Cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	0	10
Blue clay	10	80
Sand + Gravel	80	90
Blue clay	90	117
Stones	117	120
Sand + Gravel	120	125
Limestone	125	170

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 65 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at: Madison City on Aug 15 1955

Construction of the well was completed on: Aug 17 1955

The well is terminated 12 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature [signature] Registered Well Driller

3033 W. Calif. Ave. Milw. 15, Wis. Complete Mail Address

Please do not write in space below

Rec'd 8/19/55 No. 27226

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0				

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

See Instructions on Reverse Side

1. County Milwaukee (Town ☐ Village ☐ City ☒ Check one and give name) Oakdale.

2. Location 6265 So. Penn Ave (SE SE SW Sec 34 TGN R 2E)
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Cities Service oil Co.
Name of individual, partnership or firm

4. Mail Address 626 E. Wis Ave Milwaukee Wisconsin
Complete address required

5. From well to nearest: Building 25 ft; sewer 50 ft; drain ____ ft; septic tank 50 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Service Station.

7. **DRILLHOLE:**

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	190			

8. **CASING AND LINER PIPE OR CURBING:**

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Standard Weight.	0	123

9. **GROUT:**

Kind	From (ft.)	To (ft.)
Clay Slurry	0	123

10. **FORMATIONS:**

Kind	From (ft.)	To (ft.)
Red Clay	0	8
Blue "	8	50
Sand	50	123
Limestone	123	190

RECEIVED
MAY 14 1962
SANITARY ENGINEERING

Construction of the well was completed on: May 8 1962

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. **MISCELLANEOUS DATA:**

Yield test: 2½ Hrs. at 20 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at: Madison City on May 8 1962

Signature Clarence Ucker (Registered Well Driller) 3934 S. 41 St Milw 21, Wis. (Complete Mail Address)

Please do not write in space below

Rec'd MAY 9 - 1962 No. 12454

Ans'd ____

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☑ GLENDALE — Check one and give name

2. Location 6255 SO. ILLINOIS AVE (CITY OF GLENDALE) — Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ ANTHONY F. IWASAIGWICZ - GLENDALE, WIS. — Name of individual, partnership or firm

4. Mail Address SAME AS ABOVE GLENDALE, WIS. — Complete address required

5. From well to nearest: Building 10 ft; sewer 25 ft; drain 12 ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft. NOT INSTALLED

IRON CLEARWATER

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	177			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	W ROUGHT IRON PIPE	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	107
POROUS LIME	107	110
SOLID LIME	110	177

RECEIVED
APR 11 1961
SANITARY ENGINEERING

Construction of the well was completed on: FEB. 17 19 61

The well is terminated 10 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at: MADISON City on APRIL 3 1961

Signature Leo J. Blaivat (Registered Well Driller) 1731 W. BRADLEY AVE MIL. 21, WIS. (Complete Mail Address)

Please do not write in space below

Rec'd APR 4 - 1961 No. ____

Ans'd ____

Interpretation ____

SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	+	+			

Examiner ____

AUG 19 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Victor Butarski Driller Lehrke Bros. ✓

Street or RFD 6126 So Nicholson Post Office 845-So. 85th W. Allis

Post Office Cudahy Date Aug. 11, 1940 Permit No. 44

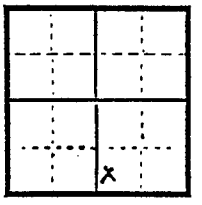
LOCATION OF PREMISES

Milwaukee County Lake Town

East Side of Nicholson Rd.
Describe further by subdivision, plat, district, lake, lot,

2 Blks. North of College Ave,
block, nearest principal highway, etc., whichever apply.

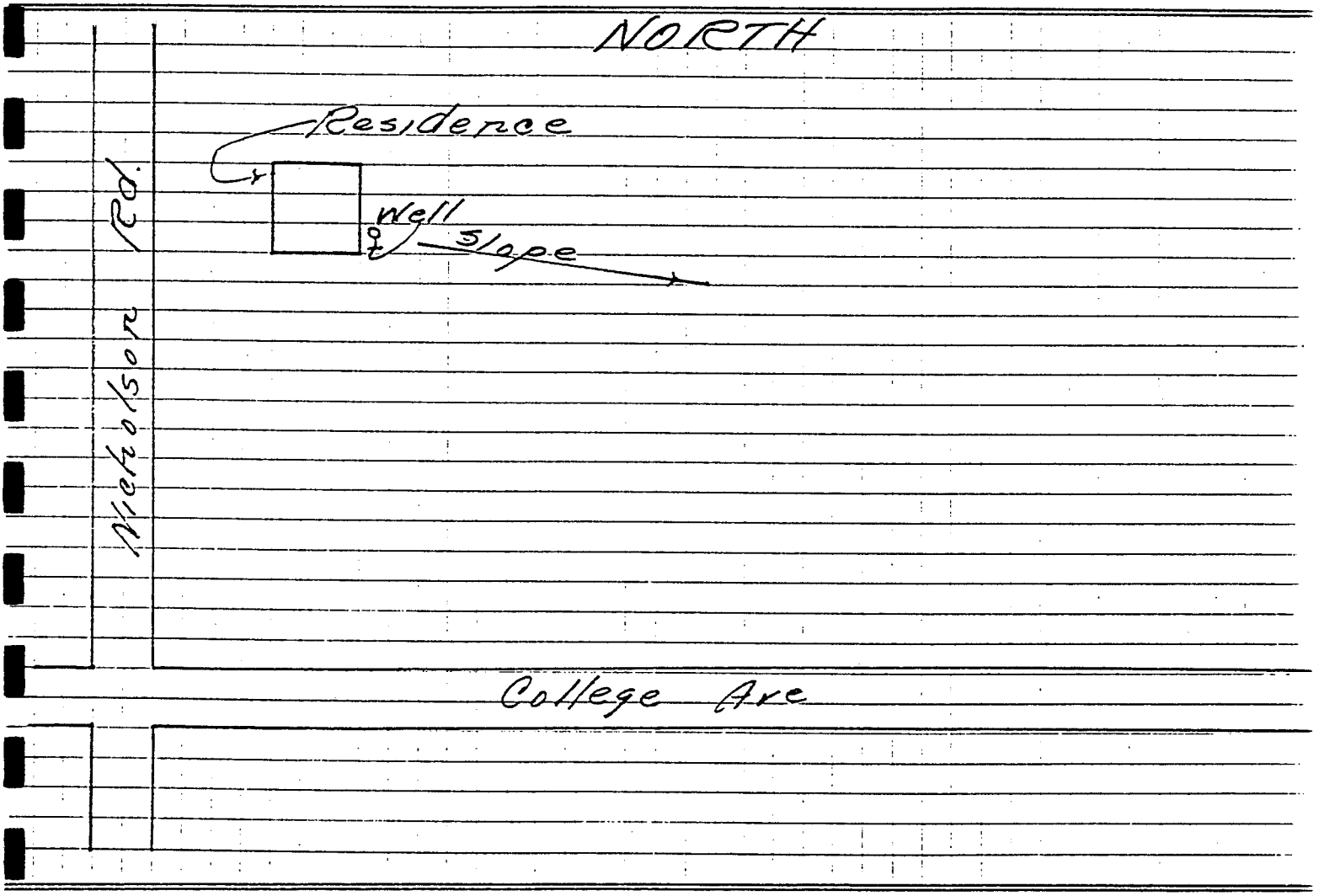
The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SWSE
Sec. 34 ✓
Twp. 6N
Range 22 E W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
Std. Wt. Steel Pipe Drillers. Special	Inches Diameter 2 3 4 5 6 8 10 12 14 16 18	Red Clay - 8'	Duration of test Hours 5
	Depth 8		
	20		Pumping rate G.P.M. 12
	25	Soft Blue Clay - 76'	
	50		Depth of pump in well. Ft. 80
	75		Standing water-level (from surface) Ft. 55
	84		Water-level when pumping Ft. 63
	100	Sand - 16'	Water. End of test. Clear ✓
	119	Hard Pan - 19'	Cloudy
Forged Steel Drive Shoe	120	Limestone - 31' (waterbearing)	Turbid
	150		Was the well sterilized? Yes ✓ No
	200		To which laboratory sample sent? Kenosha Date July 15 - [illegible]
Key: = Casing pipe	400		Was the well sealed completion? Yes ✓ No
= Drillhole	800		How high did you leave casing-pipe above grade? 6"
= Mud Grout	1200		Well was completed Date July 15 - [illegible]
	Draw the diagram to show the right half only		Well Driller Lehrke Bro Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

AUG 24 1945

1. County Milwaukee Town Lake

2. Location 6070 Nicholson Rd. SW¼NE¼ Sec. 34 T6N R22E

3. Owner ~~or Agent~~ Eugene Bronecki Jr.

4. Address Rte. 1 Bx 297A Cudahy Wis.

5. From well to nearest: Building 14 ft; sewer 14 ft; drain 14 ft; septic tank 40 ft; dry well or filter bed ft; abandoned well - ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel pipe	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
PUddled clay	0	30

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red clay	16	16
Blue clay	92	108
Stony clay	9	117
Limestone	44	161

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 10 GPM.

Depth from surface to water: 56 ft.

Water-level when pumping: 60 ft.

Water sample sent to laboratory at Kenosha on July 17 19 45

Construction of the well was completed on July 17 19 45

The well is terminated 6 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

Signature W. L. Lehke Co 845-S 81st

Registered Well Driller — Complete Mail Address

Grace Lehke West Allis 14 Wis

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

JUL 5 - 1945

1. County Milwaukee { Town / Village / City } Lake

2. Location 6078 So. Nicholson Rd. SW NW SE Sec 34 T6N R22E

3. Owner or Agent C.C. Meerschaert

4. Address 6078 So. Nicholson Rd. Milwaukee Wis.

5. From well to nearest: Building 14 ft; sewer ___ ft; drain ___ ft; septic tank ___ ft; dry well or filter bed ___ ft; abandoned well ___ ft.

6. Well is intended to supply water for: ~~Residence~~

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	40
6	40	160

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	119

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	40

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	12	12
Blue clay	64	76
Stony clay	34	110
Hard pan	9	119
Limestone	41	160

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 12 GPM.

Depth from surface to water: 54 ft.

Water-level when pumping: 54 ft.

Water sample sent to laboratory at Kenosha on April 23 19 45

Construction of the well was completed on April 23 19 45

The well is terminated 6 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

Signature W. L. Lehike
Registered Well Driller Diane Lehike

845 SO. 85th St.
West Allis 14 Wis.
Complete Mail Address

Wel. 6-30M:(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE SE SW Sec 34 T6N R22E

See Instructions on Reverse Side

RECEIVED MAR 13 1952 ENVIRONMENTAL SANITATION

1. County Milwaukee {Town ☒ Village ☐ City ☐} of Lake — Check one and give name

2. Location 6101 So. Pennsylvania Rd.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Elmer Williams
Name of individual, partnership or firm

4. Mail Address 6101 So. Pennsylvania Rd
Complete address required

5. From well to nearest: Building 15 ft; sewer none ft; drain none ft; septic tank none ft; dry well or filter bed none ft; abandoned well none ft.

6. Well is intended to supply water for: residence

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	40	6	40	175

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	standard weight well pipe	0	120

9. GROUT:

Kind	From (ft.)	To (ft.)
clay clay	0	40

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	100	600
Clay (stoney)	20	120
Lime rock	55	175

Construction of the well was completed on: March 7 22 19 52

The well is terminated 6" inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 15 Hrs. at 10 GPM.

Depth from surface to water-level: 54 ft.

Water-level when pumping: 62 ft.

Water sample was sent to the state laboratory at: Madison City on March 11 23 1952

Signature [illegible] Registered Well Driller

1112 So 12 St West Allis 14 Complete Mail Address

Please do not write in space below

Rec'd No

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy
   Check one and give name
2. Location 5920 S. Roberts Ave NW NE SE SE Sec 34 T6N R22E
   Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ J. Ferry
   Name of individual, partnership or firm
4. Mail Address 5920 S. Roberts Ave Cudahy Wis.
   Complete address required
5. From well to nearest: Building 18 ft; sewer None ft; drain ____ ft; septic tank None ft; dry well or filter bed ____ ft; abandoned well ____ ft.
6. Well is intended to supply water for: one — one family home.

7. **DRILLHOLE:**

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	128			

8. **CASING AND LINER PIPE OR CURBING:**

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Standard Weight	0	108

9. **GROUT:**

Kind	From (ft.)	To (ft.)
Clay Slurry	0	25

10. **FORMATIONS:**

Kind	From (ft.)	To (ft.)
Sandy Clay	0	55
Blue "	55	90
Sand & Gravel	90	108
Lime stone	108	128

RECEIVED
JUL 1 3 1963
SANITARY ENGINEERING

Construction of the well was completed on: July 8 19 63

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. **MISCELLANEOUS DATA:**

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water-level: 61 ft.

Water-level when pumping: 73 ft.

Water sample was sent to the state laboratory at: Madison City on July 8 1963

Signature Clarence Acker 3934 So. 41 St. Milw. 21, Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd JUL 9 - 1963 No. 26383

Ans'd ____

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

75

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Town ☐ Village ☐ City ☒ Cudahy — Check one and give name

2. Location 3031 East Ramsey Ave. — Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ C. Stevens. — Name of individual, partnership or firm — NE NE SE Sec 34 T6N R22E

4. Mail Address Same — Complete address required

5. From well to nearest: Building 15 ft; sewer 25 ft; drain ____ ft; septic tank 50 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: one-one family home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	155			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard Weight	0	118

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	6	118

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Sandy Clay	0	30
Sand	30	96
Blue Clay	96	118
Lime Stone	118	155

RECEIVED
NOV 14 1958
ENVIRONMENTAL SANITATION

Construction of the well was completed on: Nov 3 19 58

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water-level: 51 ft.

Water-level when pumping: 65 ft.

Water sample was sent to the state laboratory at: Madison City on Nov 3 19 58

Signature Clarence Auer 3934 So. 41 St. Milw 15, Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd ____ No. 36062

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Charles Gehle — Driller Lehrke Bros

Street or RFD RFD 1 Bx 297 — Post Office 545 So. 85th W. Allis

Post Office Cudahy — Date Jan 9 1940 — Permit No. 44

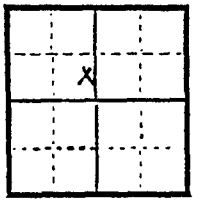
LOCATION OF PREMISES

Milwaukee — County — Lake — Town

On West Side of Nickolson — Describe further by subdivision, plat, district, lake, lot,

¼ mile So. of W. Grange. — block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SENW

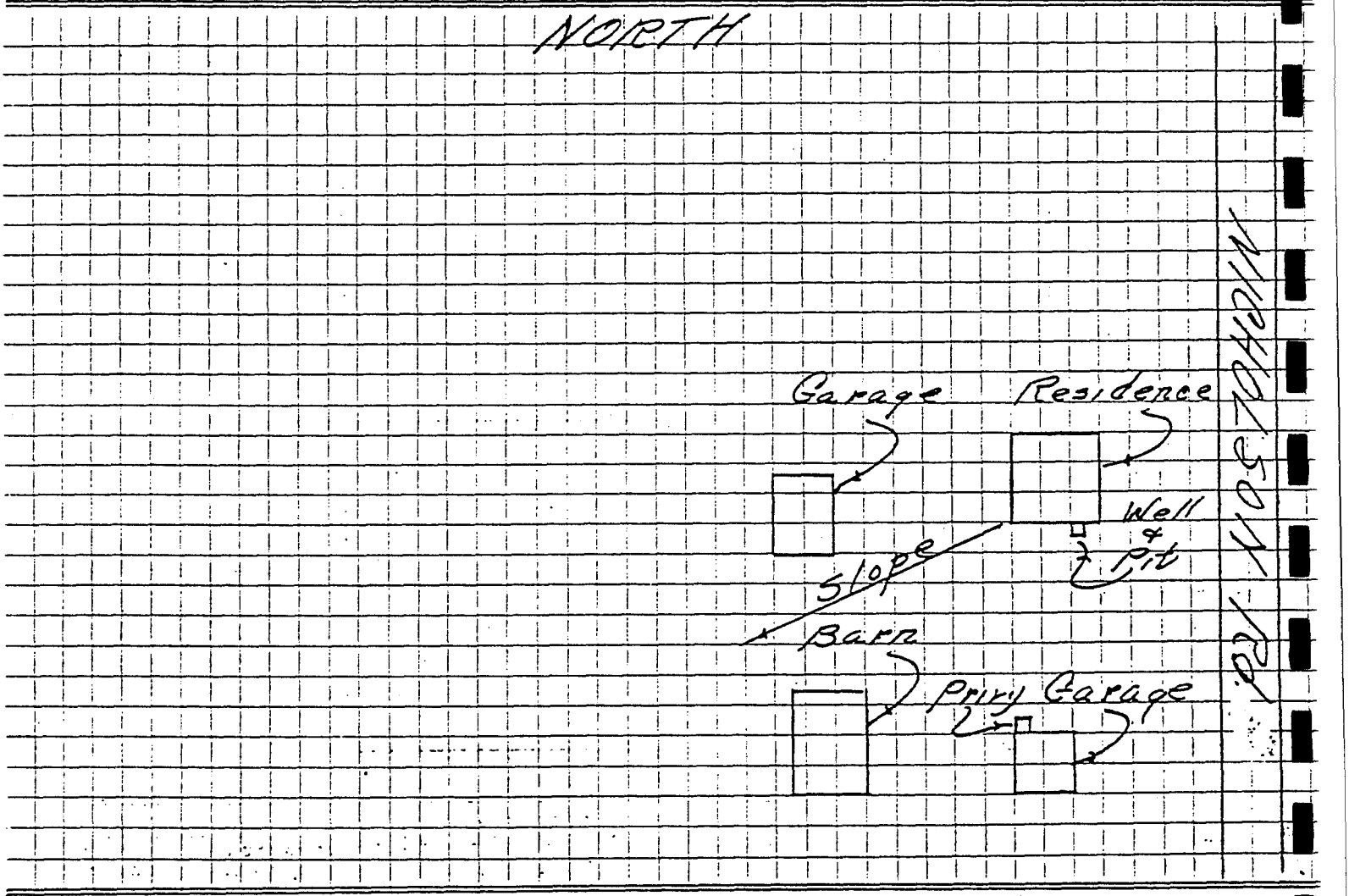
Sec. 34

Twp. 6

Range 22 { E W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel Pipe Drillers Special

Forged Steel Drive Shoe

Key:

=Casing pipe

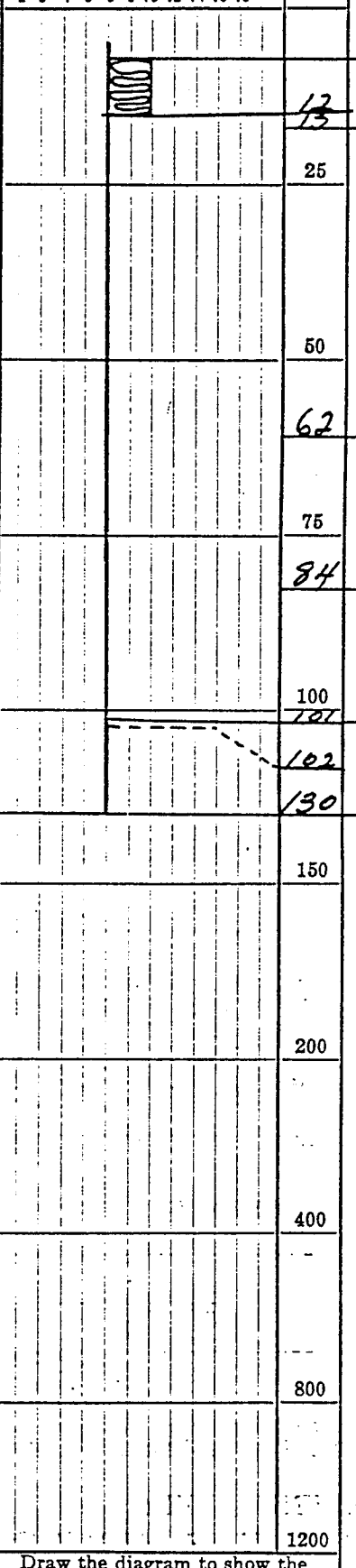
=Drillhole

=Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

Depth



Draw the diagram to show the right half only.

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Pit - 5.

Red Clay - 8'

Soft Blue Clay - 49'

Stony Clay - 23'

Hard Pan - 17'

Limestone - 29 (waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 6

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 60

Standing water-level (from surface)
Ft. 38

Water-level when pumping Ft. 49

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date Dec. 26, 19

Was the well sealed on completion?
Yes ✓ No
Plugged.

How high did you leave the casing-pipe above grade?
8" above pit floor

Well was completed
Date Dec. 26, 19

Well Driller
Lehrke Bros
Signature

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County ~~Jacksonville~~ NWNWNW Sec 34 T6N R22E (Town ☐ Village ☐ City ☒) South Fmil
   Check one and give name
2. Location 1667 East College So Fmil
   Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Joseph Hackmeister
   Name of individual, partnership or firm
4. Mail Address 1667 East College So Fmil
   Complete address required
5. From well to nearest: Building 10 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Stand steel pipe	0	114

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	1
yellow clay	15	16
blue clay	74	90
sandy clay	20	110
hard pan	4	114
lime stone	31	145

RECEIVED
OCT 30 1959
ENVIRONMENTAL SANITATION

Construction of the well was completed on: Oct 21 1959

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at: Madison (City) on Oct 23 1959

Signature Casimer Szydlowski (Registered Well Driller) 7570 So Howell So Fmil (Complete Mail Address)

Please do not write in space below

Rec'd OCT 24 1959 No. 37991

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED MAR 24 1950 BUREAU SAN. ENG.

1. County Milwaukee { Town ☒ / Village ☐ / City ☐ } Lake — Check one and give name

2. Location NW N.W. 1/4 of S.W. 1/4 of Section 35 T-6-N R-22-E W.M.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Oliver Nesset
Name of individual, partnership or firm

4. Mail Address E. Ramsey Ave. & So. Berland Ave. Cudahy Wis.
Complete address required

5. From well to nearest: Building Building not under construction yet. ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Private Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	136			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Pipe	0	113

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill Cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Stony Clay	0	50
Sandy Clay	50	90
Hard Pan	90	109
Lime Rock	109	136

Construction of the well was completed on: 3/9/50 19____

The well is terminated 15 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes_____ No_____

Was the well sealed watertight upon completion?

Yes_____ No_____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 59 ft.

Water-level when pumping: 67 ft.

Water sample was sent to the state laboratory at: Kenosha City on 3/9/50 19____

Signature Myron Acker & Sons
Registered Well Driller

Hales Corners Wis.
Complete Mail Address

Please do not write in space below

Rec'd_____ No._____

Ans'd _____

Interpretation _____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner_____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED
JUN 30 1951
BUREAU
SAN. ENG.

1. County Milwaukee (Town ☒ Village ☐ City ☐) Lake — Check one and give name
   SW NW NW Sec 35 T6N R22E
2. Location 5636 South Barland Avenue, Milwaukee, Wisconsin
   Name of street and number of premise or Section, Town and Range numbers
3. Owner ☒ or Agent ☐ Joe Hoven
   Name of individual, partnership or firm
4. Mail Address 1505 South Second Street, Milwaukee 4, Wisconsin
   Complete address required
5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.
6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
6	45	132			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Black soil	0	2
Blue clay	100	102
Sand	26	128
Gravel	4	132

Construction of the well was completed on: May 12 19 50

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes x No

Was the well sealed watertight upon completion? Yes x No

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 85 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: Kenosha (City) on May 12 19 50

Casimer Szydlowski

Signature Casimer Szydlowski
Registered Well Driller

2502-A South Fourth St., Milwaukee 7, Wis.
Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SWNWNW Sec 35 T6N R22E See Instructions on Reverse Side

RECEIVED JAN 14 1952 BUREAU OF SANITARY ENG.

1. County MILWAUKEE (Town ☒ / Village ☐ / City ☐) Of Lake — Check one and give name

2. Location 5566 So. Barland ave. — Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ HERBERT NELSON — Name of individual, partnership or firm

4. Mail Address 2215 Ille Ave. New Holstein Wis. — Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain 15 ft; septic tank 50 ft; dry well or filter bed 65 ft; abandoned well ____ ft.

6. Well is intended to supply water for: HOME

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10"	0	30			
7"	0	204			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
7"	Steel	0	150

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	30

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	100
sand & gravel	100	150
Limestone	150	204

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 75 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: Madison City on June 2 1952

Construction of the well was completed on: Dec 31 1951

The well is terminated 6 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

Signature Walter F Recker 7945 W. Coldspring Rd. West Allis 14, Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd JAN 4 1952 No. 99

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	O	O	O	O	O
48 hrs.	O	O	O	O	O
Confirm					
B. Coli	O	O	O	O	O

Examiner ____

OCT 1 1980

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY MILWAUKEE

CHECK ONE: ☐ Town ☐ Village ☒ City — NAME: OAK CREEK

2. LOCATION – ¼ Section: ✓NE, SE, SE, — Section: 33 — Township: 5N — Range: 22E

OR – Grid or street no.: 10924 — Street name: So. RICHARD RD.

AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING ROBERT BROCKWAY

ADDRESS: 10924 So. RICHARD RD

POST OFFICE: OAK CREEK, WIS. 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
15	40		35			15		

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		80			100				

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: RESIDENCE

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	30			
6	30	197			

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	BLK. SMLS. T&C	Surface	157
	W R&D COUPLINGS		
NEW	INTERSTATELAKE		
	19.45 ASTM A 53		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY & ROCK SLURRY	Surface	30

9. FORMATIONS

Kind	From (ft.)	To (ft.)
RED CLAY	Surface	17
STONEY BLUE CLAY	17	37
SAND & STONES	37	46
BLUE CLAY	46	145
POROUS LIME	145	157
SOLID LIME	157	197

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☐ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Wa

Well construction completed on SEPT. 25 1980

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 10 GPM

Depth from surface to normal water level 23 ft.

Depth to water level when pumping 30 ft.

Well is terminated 10 inches ✓ above ☐ below final gra

Well disinfected upon completion ✓ Yes ☐ N

Well sealed watertight upon completion ✓ Yes ☐

Water sample sent to MADISON laboratory on: SEPT. 28 19 8

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, s type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., shou be given on reverse side.

SIGNATURE: Leo J. Blawat Registered Well Driller

COMPLETE MAIL ADDRESS: 1731 W. GRANGE AVE-MIL. WIS. 532

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

DEC 23 1980

COUNTY: Milwaukee

CHECK (✓) ONE: ☑ Town ☐ Village ☐ City Name: Oak Creek

1. LOCATION: ✓ NE, SE, ¼ Section: SE | Section: 33 | Township: 5N | Range: 22E

OR – Grid or Street No.: 10935 | Street Name: Nicholson Rd

AND – If available subdivision name, lot & block No.:

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Fred Rice

ADDRESS: 10935 Nicholson Rd

POST OFFICE: Milwaukee

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
11										

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
				Clearwater Dr.	Clearwater Sump				50		Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well								
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Resident

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10"	Surface	20			
6"		158			

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6"	ASTM A-120	Surface	155
	Fusion		
	19.45 lbs		
	T.C		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Top Soil	Surface	3
Yellow	3	30
Gravel	30	55
Stoney Clay	55	80
Blue Clay	80	130
Stony Clay	130	155
Lime Rock	155	158

10. TYPE OF DRILLING MACHINE USED

☑ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with ☐ Air ☐ Water

Well construction completed on Oct 23 1980

11. MISCELLANEOUS DATA

Yield Test: 12 Hrs. at 10 GPM

Depth from surface to normal water level 30 Ft.

Depth of water level when pumping 30 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 20 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to State Lab laboratory on Nov 3 1980

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Russ Kruger Registered Well Driller

Complete Mail Address: 10404 Grant Rd Franksville 53126

p/o

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

OCT 27 1984 OCT 18 1984

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ✓ ¼ Section: NW, NW, SW | Section: 34 | Township: 5N | Range: 22E
OR – Grid or Street No.: 1635 | Street Name: E. Elm Rd.
AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ON: James Taylor
ADDRESS: same
POST OFFICE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewe	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
15	30									

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump		Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other			Seepage Pit	
				Clearwater Dr.		Clearwater Sump				80		Seepage Bed	100
												Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing		Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well									
		Pump									
		Tank									

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: private house

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	201

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	New, steel	Surface	138
	threaded & coupl		
	ASTM A53		
	Union		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill cuttings-mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	65
sand & gravel	65	95
hardpan	95	138
limestone	138	201

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with Air ☐ Water

Well construction completed on 7-27 19 84

11. MISCELLANEOUS DATA
Yield Test: 24 Hrs. at 9 GPM
Depth from surface to normal water level 15 Ft.
Depth of water level when pumping 90 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Oak Creek laboratory on 9-5 19 84

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Donald Mayer
Registered Well Driller

Complete Mail Address: 9112 So. 13th. St. Oak Creek

WELL LOGS FOR THE REMAINING 136 WELLS
IN THE IMMEDIATE AREA OF THE BASE.

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M1 374

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ☒ / Village ☐ / City ☐ } Oak Creek (Check one and give name)

2. Location E 1/2-N.E.Fraction, 1/4 Section 4-5-22 Town of Oak Creek
Name of street and number of premise or Sec. Tn. and R. numbers

3. Owner ☐ or Agent ☐ Ray Van Beck
Name of individual, partnership or firm

RECEIVED
ENVIRONMENTAL SECTION

4. Mail Address 300 Layton Avenue, Milwaukee, Wisconsin
Complete address required

5. From well to nearest: Building 15 ft; sewer No ft; drain 12 ft; septic tank X ft; dry well or filter bed X ft; abandoned well X ft.

6. Well is intended to supply water for: General Use

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
10	0	284

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
10		0	87

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	40

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Glacial Drift	0	87
Niagara Lime.	87	284

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 50 GPM.

Depth from surface to water: 4-1/2 ft.

Water-level when pumping: 14-1/2 ft.

Water sample sent to laboratory at Stephl Laboratory on June 9, 19 54

Construction of the well was completed on June 9th, 19 54

The well is terminated 15 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature EGERER-GALLOWAY WELL CORP.
Registered Well Driller

1012 N. Third St., Milwaukee 3, Wis.
Complete Mail Address

MI-374

RAY VAN BECK WELL, MILWAUKEE COUNTY, WIS.
E½ NE¼ sec. 4, T. 5 N., R. 22 E.
Egerer-Galloway well corporation, Contractors, 1954
Samples examined by F. T. Thwaites, Wisconsin Geological Survey
Nos. 166767-166820

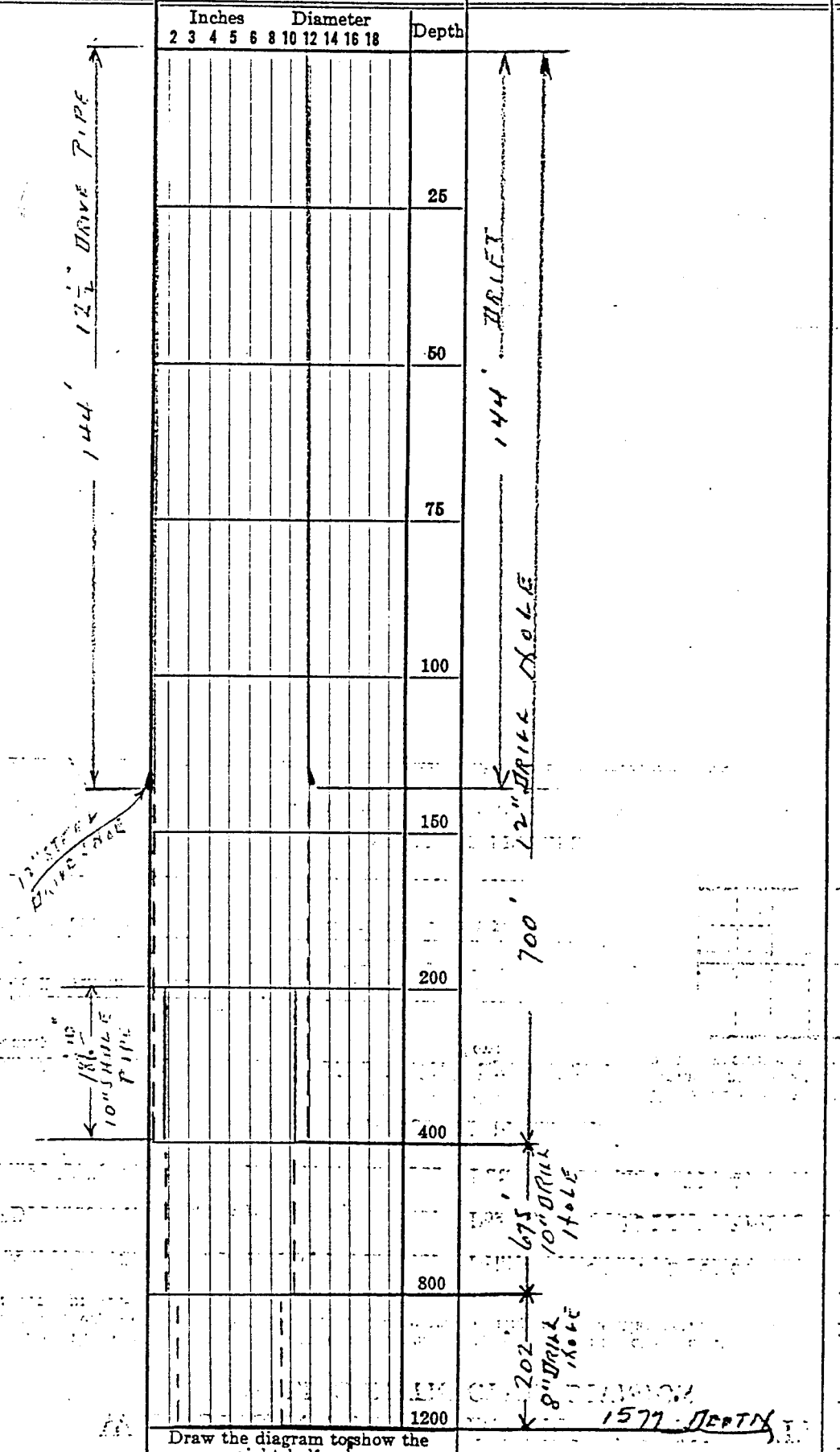
DRIFT	0-25	25		Till, light gray, dolomitic	4½ water
	25-35	10		Gravel, stony	10" pipe
	35-40	5		Till, light gray, dolomitic	
	40-45	5		No sample	
	45-55	10		Till, light gray, dolomitic	
	55-60	5		Sand, very fine to fine, light gray, dol.	
	60-65	5		Gravel, fine, much silt, light gray	
	65-75	10		Till, light gray, dolomitic	
	75-85	10		Sand, fine to medium, silty, lt. grey, dol.	
95	85-90	5		Gravel, stony, little sand (broken rock)	
	90-95	5		Sand, coarse to medium, mixed with dolomite	87
NIAGARA	95-110	15		Dolomite, very light and medium gray	
	110-140	30		Dolomite, light gray	
	140-175	35		Dolomite, very light gray to medium gray	10" hole
	175-195	20		Dolomite, light gray to very light gray	
	195-200	5		Dolomite, dark gray, light gray	
	200-220	20		Dolomite, very light to light gray	
	220-265	45		Dolomite, very light gray	
189	265-284	19		Dolomite, light gray; chert, white	

Top of bed rock broken and mixed with drift
Tested at 150 g.p.m. specific capacity = 5 g.p.m./ft.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM — Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test



Draw the diagram to show the right half only

Copy mailed to Steffen

Duration of test
Hours 8 Hrs.

Pumping rate
G.P.M. 350

Depth of pump in well. Ft. 255'

Standing water-level (from surface)
Ft. 125'

Water-level when pumping Ft. 240'

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
State Laboratory
Date 1/27/41

Was the well sealed or completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
One ft.

Well was completed
Date 1/27/41

Well Driller
J. O. Greer
Signature

FEB -1 194

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ladish Drop Forge Co. | Driller Jos. Egerer

Street or RFD 5405 S Packard Ave. | Post Office 1012 N 3rd St. Milwaukee Wis

Post Office Cudahy. Wis. | Date Jan. 31/41 Permit No. 21

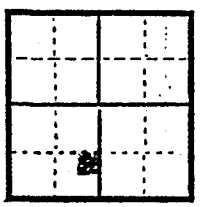
LOCATION OF PREMISES

Milwaukee (County) | Town of Lake / City of Cudahy Wis (Town)

5405 S Packard Ave.
Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. No. 26

Twp. No. 6N

Range 22 { E / W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

Copy mailed to Steffes

Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

ASST TO CHIEF ENGR

LADISH DROP FORGE CO. WELL, CUDAHY, WIS.
5405 Packard Ave.
Jos. Egerer, Contractor, 1940-41
Samples examined by F. T. Thwaites, Nos. 109813-109966
NE¼, SE¼, SW¼, Sec. 26, T.6N, R.22E

715' ETM

0-50	50		No samples
50-70	20		Sand, coarse, gray, much silt
70-90	20		Till, gray, dolomitic
90-93	3		Gravel, coarse, stony
93-130	37		Till, pink, dolomitic
130-140	10		Gravel, fine, stony
140-390	250		Dolomite, light gray
390-395	5		Dolomite, pink and light gray
395-410	15		Dolomite, light gray
410-460	50		Dolomite, pink and gray
460-470	10		Dolomite, gray
470-510	40		Dolomite, light gray; shale, pink
510-540	30		Dolomite, gray, light gray; shale, pink
540-550	10		Dolomite, blue-gray; shale, blue-gray, dol.
550-560	10		Shale, blue-gray, dolomitic
560-570	10		Dolomite, gray
570-650	80		Shale, blue-gray, dolomitic
650-660	10		Shale, brown-gray, dolomitic
660-720	60		Shale, blue-gray, dolomitic
720-800	80		Dolomite, light gray

140
370
210

12" pipe
125 water
144 shoe
12" hole
513
10" pipe
700

GALENA PLATTEVILLE	290	800-810	10	Dolomite, light gray, some blue-gray
		810-870	60	Dolomite, light gray
		870-910	40	Dolomite, blue-gray, blue spots
		910-980	70	Dolomite, light gray
		980-990	10	Dolomite, lt.gy, white, very sandy
		990-1002	12	Dolomite, light gray and white
		1002-1010	8	Sandstone, coarse to fine, gy, dol; sh, green
ST PETER	210	1010-1030	20	Sandstone, fine to medium, white
		1030-1040	10	Sandstone, fine to medium, gray, dolomitic
		1040-1120	80	Sandstone, medium to fine, light gray
		1120-1140	20	Sandstone, fine to silty, light gray
		1140-1220	80	Sandstone, medium to fine, light gray
EAU CLAIRE	230	1220-1250	30	Sandstone, fine to medium, light gray, dolomitic
		1250-1260	10	Sandstone, very fine, pink, dol., glauconitic
		1260-1270	10	Shale, dark red, dolomitic
		1270-1290	20	Sandstone, medium to fine, pink, dolomitic
		1290-1300	10	Sandstone, very fine, pink, dolomitic
		1300-1320	20	Sandstone, fine to medium, pink, dolomitic
		1320-1350	30	Sandstone, very fine, dark pink, dol., glauc.
		1350-1360	10	Sandstone, fine to medium, pink, dol, glauc.
		1360-1380	20	Sandstone, very fine, pink, dolomitic
		1380-1400	20	Sandstone, medium to fine, light pink, dol.
		1400-1420	20	Sandstone, fine to medium, light pink
		1420-1450	30	Sandstone, fine to medium, pink, dolomitic
MT SIMON	127	1450-1460	10	No sample
		1460-1470	10	Sandstone, medium to fine, light gray
		1470-1480	10	Sandstone, coarse to fine, light gray
		1480-1490	10	Sandstone, fine to medium, light gray
		1490-1520	30	Sandstone, medium to fine, light gray
		1520-1540	20	Sandstone, coarse to fine, light gray
		1540-1550	10	Sandstone, fine to medium, light gray
		1550-1560	10	Sandstone, coarse to fine, light gray
		1560-1577	17	Sandstone, fine to medium, light gray

10" hole

1375

8" hole

Formations: Drift; Niagara; Richmond (Maquoketa); Galena-Platteville(Black River; includes Decorah , St. Peter (may include Prosbach or Galesville), Eau Claire, Mt. Si

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

FEB 24 1945

If 13th Av - then Town of South Milwaukee S½ SW Sec 3, T5N R22E filed in both places

1. County MILWAUKEE } Town ~~Village~~ ~~City~~ OAK CREEK (ST.?)

NW SW Sec 5 T5N R22E

2. Location N. E. CORNER OF So. 13TH & W. RAWSON AV

3. Owner ~~or Agent~~ ARTHUR GUTKNECHT

4. Address ST. D. RTE. 2 BX 119 So. MILWAUKEE

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank — ft; dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: ———

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
16	0	33
6	33	120

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	STEEL	0	85

9. GROUT:

Kind	From (ft.)	To (ft.)
MUD	0	33

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
BORED HOLE	33	33
BLUE CLAY	47	80
HARDPAN	2	82
LIMESTONE	38	120

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: 36 ft.

Water-level when pumping: 37 ft.

Water sample sent to laboratory at KENOSHA on DEC. 10 1944

Construction of the well was completed on DEC. 10 1944

The well is terminated 6 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion? Yes ✓ No ———

Was the well sealed watertight upon completion? Yes ✓ No ———

Signature W. L. Lehrke
Registered Well Driller

845 So 85TH
Complete Mail Address

W. ALLIS 14, WIS.

Wel. 6-30M-(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☑ SO. MILWAUKEE (Check one and give name)

2. Location 200 15TH AVE — NW¼NW¼NW¼ Sec 2 T5N R22E
Name of street and number of premises or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ STEVE J. HANLEY
Name of individual, partnership or firm

4. Mail Address SAME AS ABOVE
Complete address required

RECEIVED MAR 25 1954 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 6 ft; sewer NONE ft; drain NONE ft; septic tank NONE ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	182			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	128

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	16
BLUE CLAY	16	25
SAND	25	60
BLUE CLAY	60	125
POROUS LIME	125	128
SOLID LIME	128	182

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 67 ft.

Water sample was sent to the state laboratory at: MADISON City on MARCH 16 1954

Construction of the well was completed on: MARCH 16 1954

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Leo J. Rhuart
Registered Well Driller

5561 So. 6TH ST. MIL. 7, WIS.
Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

Sec 3 T5N R22E

RECEIVED
MAY 6 1953
WISCONSIN ENVIRONMENTAL SANITATION

1. County Milwaukee — Town ☑ / Village ☐ / City ☐ Lake — Check one and give name

2. Location Nicholson av. 1/2 mile North of Rawson
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ Charles Glover
Name of individual, partnership or firm

4. Mail Address R. 1 Box 380 South Milwaukee
Complete address required

5. From well to nearest: Building 6 ft; sewer — ft; drain — ft; septic tank — ft; dry well or filter bed — ft; abandoned well — ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	21			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Steel	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
clay	0	21

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red clay	13	13
Blue clay	87	100
Sand	3	103
Gravel	12	115

Construction of the well was completed on: 4-30 19 53

The well is terminated 6 inches ☑ above, ☐ below the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No —

Was the well sealed watertight upon completion? Yes ✓ No —

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 7 GPM.

Depth from surface to water-level: 47 ft.

Water-level when pumping: 48 ft.

Water sample was sent to the state laboratory at: Kenosha City on 4-30 1953

Signature John Burs & Co. 8620 W. National Av. West Allis 14 Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd 5-A-53 No. 9434

Ans'd 5-6-53

Interpretation Safe

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0	0	0	0	0
48 hrs.	0	0	0	0	0
Confirm					
B. Coli					

Examiner L. C.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

S½Sec 3 T 5N R 22E

See Instructions on Reverse Side

1. County Milw — Town ☐ Village ☐ City ☑ Oak Creek (Check one and give name)

2. Location Cor. W. Cedar St. + So 24th Mew Sub. no Address
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ John L. Simonson
Name of individual, partnership or firm

4. Mail Address Same
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	80	6	80	260

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel	0	169

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	115
Hard Stone Clay	115	160
Hard Rock	160	169
Limestone	169	260

RECEIVED
AUG 8 1951
SANITARY ENGINEERING

Construction of the well was completed on: 9/13/60 19____

The well is terminated 1 ft inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 90 ft.

Water-level when pumping: 95 ft.

Water sample was sent to the state laboratory at: Madison (City) on ____ 19____

Signature L. L. May
Registered Well Driller

Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT — WISCONSIN STATE BOARD OF HEALTH — Wel

1. COUNTY: MILWAUKEE | CHECK ONE: ☐ Town ☐ Village ☒ City | NAME: OAK CREEK

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)
1610 E. RAWSON AVE OAK CREEK, WIS. 53154

3. OWNER AT TIME OF DRILLING
ALVIN JOE ARES (SWSWSW Sec 3T 5N R22E)

OWNER'S COMPLETE MAIL ADDRESS
2209 E. COLLEGE AVE OAK CREEK, WIS. — 53154

5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
5	15		60		NONE			

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		50			75				

RECEIVED
JAN 31 1966
SANITARY ENGINEERING

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: TOP SOIL Co. GARAGE & OFFICE

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	11			
6	11	128			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	Surface	60

GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY SLURRY	Surface	11

10. FORMATIONS

Kind	From (ft.)	To (ft.)
RED CLAY	Surface	11
SAND & STONES	11	55
POROUS LIME	55	60
SOLID LIME	60	128

11. MISCELLANEOUS DATA

Yield test: 10 Hrs. at 15 GPM

Depth from surface to normal water level 25 ft.

Depth to water level when pumping 52 ft.

Well construction completed on OCT. 12 1965

Well is terminated 12 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to MADISON laboratory on: JAN. 26 1966

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Leo J. Blawat — Registered Well Driller

COMPLETE MAIL ADDRESS: 1731 W. GRANGE AVE MIL. 21, WIS

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SE SW SW Sec 3 T 5 N R 22 E See Instructions on Reverse Side

1. County Milw — Town ☐ Village ☐ City ☑ Oak Creek (Check one and give name)

2. Location 1828 E. Rawson Ave. (Name of street and number of premise or Section, Town and Range numbers)

3. Owner ☑ or Agent ☐ Fred Greinke (Name of individual, partnership or firm)

4. Mail Address Same (Complete address required)

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	60	6	60	225

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel	0	102

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	90
Hard Gravel and Sand	90	102
Limestone	102	225

RECEIVED
AUG 8 1961
SANITARY ENGINEERING

Construction of the well was completed on: 9/26/60 19____

The well is terminated 1 ft inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at: Madison City on ____ 19____

Signature L L May Registered Well Driller

Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

JAN 29 1941

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner W. F. Kronenberger Driller Lehrke Bros.

Street or RFD Nicholson & Rawson Post Office 84S-So. 85th W. Allis

Post Office So. Milwaukee. Date Jan. 14/1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee (County) Oak Creek (Town)

2 Blks. No. of C.T.H. BB

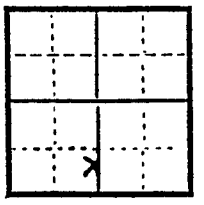
Describe further by subdivision, plat, district, lake, lot,

on West Side of the

block, nearest principal highway, etc., whichever apply.

Nicholson Rd.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SE SW

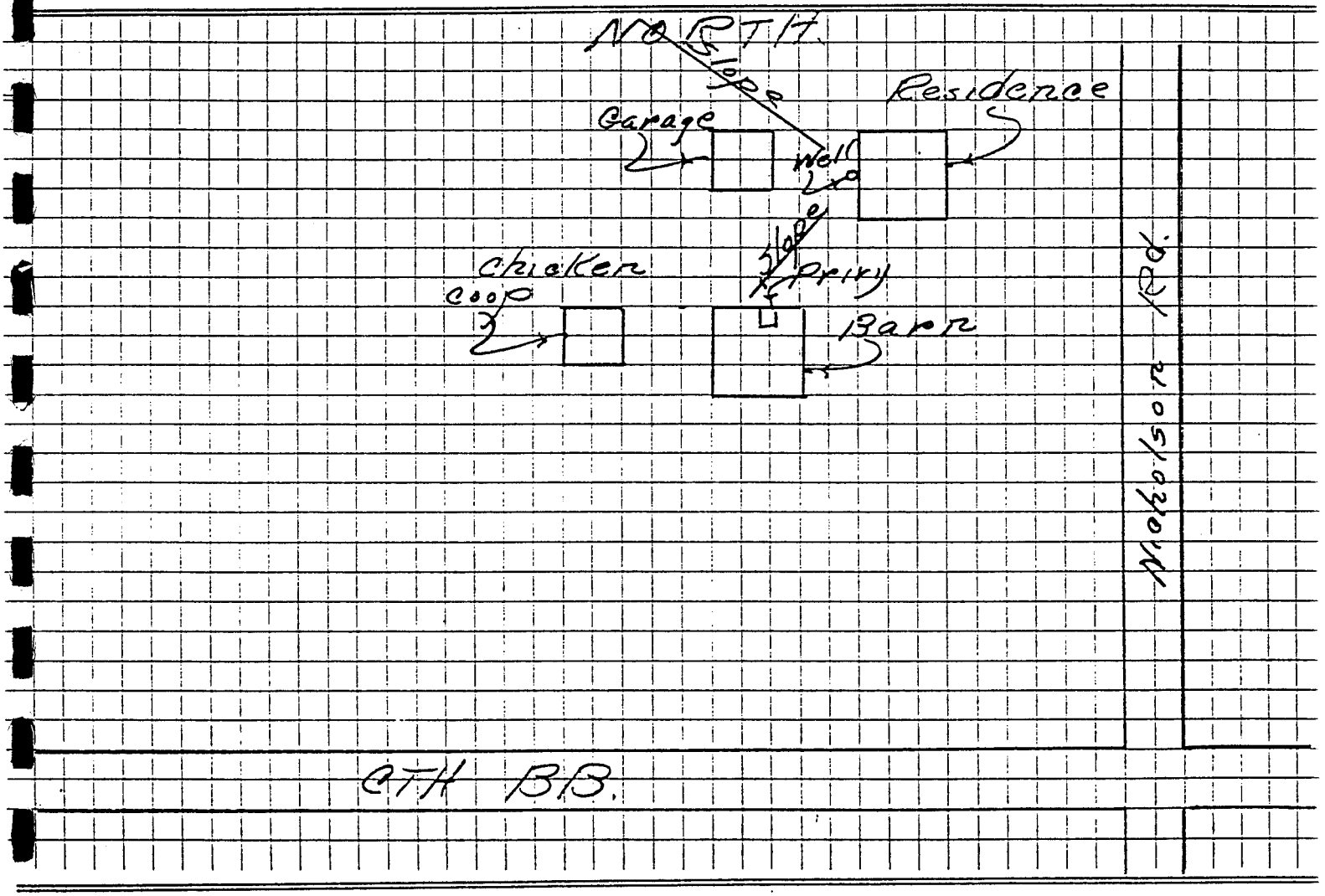
Sec. No. 3

Twp. No. 5

Range 22 { E / W }

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel Pipe Drillers. Special

Forged Steel Drive Shoe

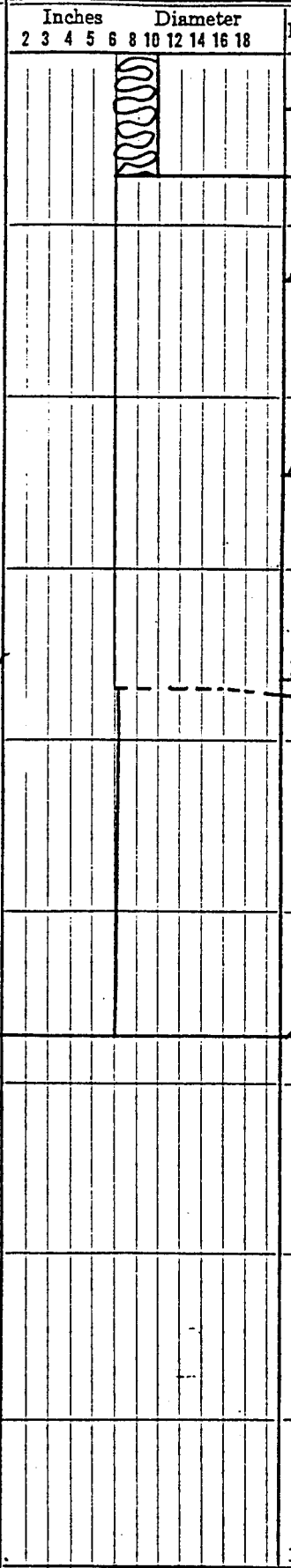
Key;

| = Casing pipe

| = Drillhole

≈ = Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Red Clay - 8'

Gravel + Sand - 27'

Blue Clay - 31'

Stony Blue Clay - 22'.

Limestone - 101' (Waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 10

Pumping rate
G.P.M. 11

Depth of pump in well. Ft. 100

Standing water-level (from surface)
Ft. 45

Water-level when pumping Ft. 67

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory sample sent?
Kenosha
Date Dec. 5-'40

Was the well sealed or completion?
Yes ✓ No

How high did you leave casing-pipe above grade?
6"

Well was completed
Date Dec. 5-'40

Well Driller
LeRoy Bivens
Signature g.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

T 5N R 22E E½ NE SW Sec 3 — See Instructions on Reverse Side — SOUTH MILWAUKEE?

1. County Milwaukee — Town ☐ Village ☐ City ☐ — Oak Creek (Check one and give name)

2. Location 1001 South Pennsylvania
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Frank Grabowski
Name of individual, partnership or firm

4. Mail Address 1205 Monroe Ave South Milwaukee
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	131			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	100

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cutting	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	15	17
blue clay	28	40
sand & gravel	20	60
clay	20	85
sand	10	95
hard pan	5	100
lime stone	31	131

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 43 ft.

Water-level when pumping: 43 ft.

Water sample was sent to the state laboratory at: Madison (City) on Dec 20 1956

Construction of the well was completed on: Dec 19 1956

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

Signature Leo Szydlowski — Registered Well Driller

1570 So Howell Mil 7 Wis — Complete Mail Address

Please do not write in space below

Rec'd DEC 21 1956 No. 41816

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Ervin Katz — Driller Lehrke Bros.

Street or RFD Nicholson Rd — Post Office 845 So. 85St. West Allis

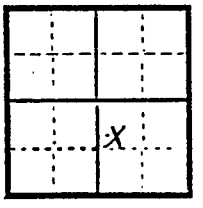
Post Office So. Milwaukee — Date July 2 - 1941 — Permit No. 44

LOCATION OF PREMISES

Milwaukee (County) — Oak Creek (Town) — SOUTH MILWAUKEE

Describe further by subdivision, plat, district, lake, lot, block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NW SE

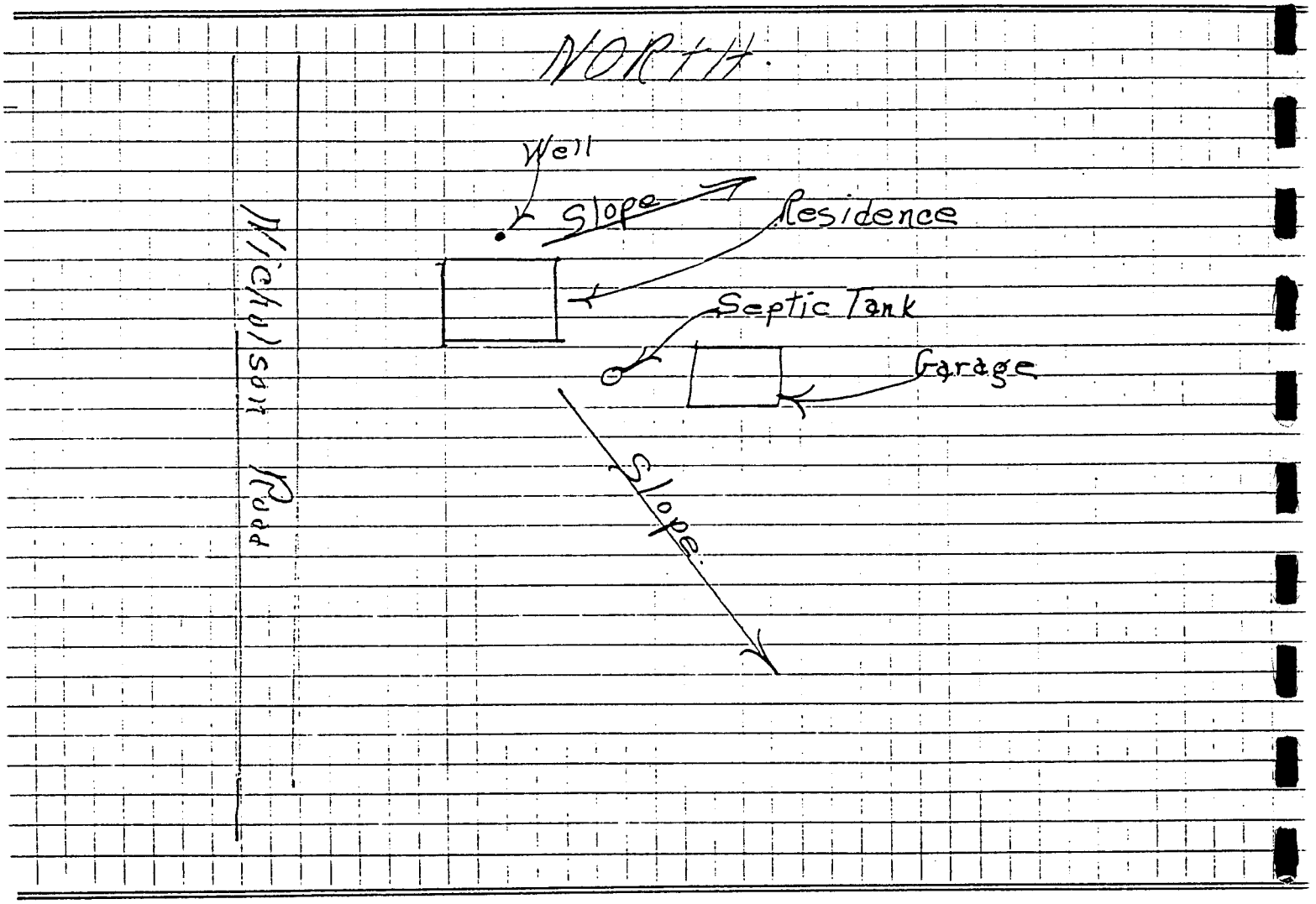
Sec. No. 3

Twp. No. 5

Range 22 E

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

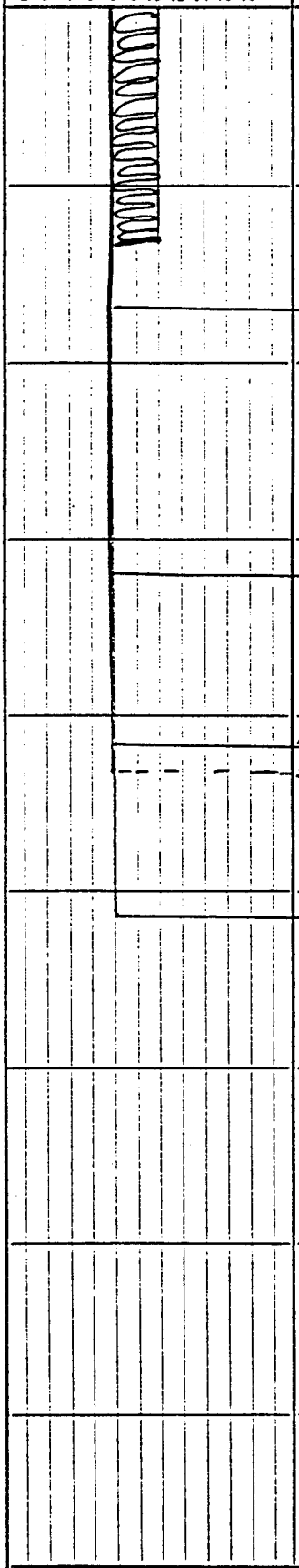
Std. Wt. Steel Pipe Drillers Specif.

Forged Steel Drive Shoe

Key:
V = Casing Pipe
D = Drillhole
M = Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Clay 45'

Sand - 5'

Clay 30'

Stony Clay 25'

Rock-Lime 49' Waterbearing

Record of FINAL Pumping test

Duration of test
Hours 4

Pumping rate
G.P.M. 12

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 53

Water-level when pumping Ft. 56

Water. End of test.
Clear ←
Cloudy
Turbid

Was the well sterilized?
Yes ← No

To which laboratory w sample sent?
Kenosha
Date 6-1-41

Was the well sealed c completion?
Yes ← No

How high did you leave t casing-pipe above grade?
10"

Well was completed
Date 6-1-41

Well Driller
Lehrke Bros
Signature J.L.

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WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

N½ Sec 3 T 5 N R 22 E

See Instructions on Reverse Side

1. County Milwaukee { Town ☒ / Village ☐ / City ☐ } Oakcreek (Check one and give name)

2. Location Lot Line between 303 and 305 Nicholson ave
Name of street and number of premise or Section, Town and Range numbers

OCT 27 1955
ENVIRONMENTAL SANITATION

3. Owner ☒ or Agent ☐ Fred L Schultz and H R. Wright
Name of individual, partnership or firm

4. Mail Address 303 W Nicholson ave South Milwaukee Wis
Complete address required

5. From well to nearest: Building 30 ft; sewer 80 ft; drain 45 ft; septic tank 70 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Two Homes

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	45			
7	45	166			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Blackstel 28 lbs per ft	8 in above Grade	130

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	32
Blue clay	32	45
Sand and clay	45	78
Blue Clay	78	110
Hard Pan	110	133
Water Bearing Limestone	133	166

Construction of the well was completed on:
Oct 16 1955

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes X No

Was the well sealed watertight upon completion?
Yes X No

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 12 GPM.

Depth from surface to water-level: 65 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at:
Madison City on Oct 14 1955

Signature Dale Huebner 6830 W Forest Home ave Mil-Wis
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd OCT 20 1955 No 36233

Ans'd

Interpretation SAT

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0				

Examiner

Wel 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SE NW Sec. 3 T5N R22E

1. County Mil. Town ☑ Village ☐ City ☐ Oak Creek
Check one and give name

RECEIVED
APR 19 1963
SANITARY ENGINEER

2. Location 664 Pensylvania ave Oak Creek, Wis
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Benkowskie Builders
Name of individual, partnership or firm

4. Mail Address 1310 Mil ave So. Mil
Complete address required

5. From well to nearest: Building 15 ft; sewer 50 ft; drain 50 ft; septic tank 50 ft; dry well or filter bed 50 ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	200

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	1945 Standard Steel	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Puddle clay	0	20
Sandy clay	20	70
Sand & Gravel	70	90
Hard Pan	90	105
Broken Rock	105	110
Hard Rock	110	200

Construction of the well was completed on: April 14 1963

The well is terminated 12 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ✓ No ____

Was the well sealed watertight upon completion?

Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 8 Hrs. at 8 GPM.

Depth from surface to water-level: 63 ft.

Water-level when pumping: 68 ft.

Water sample was sent to the state laboratory at: Madison (City) on April 15 1963

Signature Lloyd Schaller
Registered Well Driller

5591 So. 42. St. Mil 21. Wis
Complete Mail Address

Please do not write in space below

Rec'd APR 16 1963 No. 11851

Ans'd ____

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner ____

Wel. 6

SE NW SEC. 3 T5N R22E

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milw — Town ☐ Village ☐ City ☑ Oak Creek (Check one and give name)

2. Location 6521 So. Pennsylvania Ave. (Name of street and number of premise or Section, Town and Range numbers)

3. Owner ☐ or Agent ☐ Ed. Beabouabi (Name of individual, partnership or firm)

4. Mail Address ____ (Complete address required)

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	40	6	40	196

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel 20#	0	108

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	20
Blue Clay	20	60
Gravel	60	68
Blue Clay	68	105
Hard Pan	105	108
Limestone	108	196

RECEIVED
NOV 2 2 1959
ENVIRONMENTAL SANITATION

Construction of the well was completed on: 6/22/59 19____

The well is terminated 3 ft inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at: 6/22/59 City on ____ 19____

Signature L E Mayr (Registered Well Driller) 818 Michigan Ave, So Milw Wis (Complete Mail Address)

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SWNE Sec. 3 T5N R22E

See Instructions on Reverse Side

RECEIVED
NOV 16 1962
SANITARY ENGINEERING

1. County Milwaukee — Town ☐ / Village ☐ / City ☒ (South Milw?) Oak Creek (Check one and name)

2. Location 6920 S. Pennsylvania Avenue
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Santucci Construction Company
Name of individual, partnership or firm

4. Mail Address 5115 Church Street, Skokie, Illinois
Complete address required

5. From well to nearest: Building 5 ft; sewer 50 ft; drain 50 ft; septic tank none ft; dry well or filter bed - ft; abandoned well - ft.

6. Well is intended to supply water for: Shop

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	67	6	67	132

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std. steel	0	67

9. GROUT:

Kind	From (ft.)	To (ft.)
Bentonite & cuttings	0	67

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Limestone fill	0	3
Red clay	3	15
Sand	15	25
Gravel	25	35
Sand	35	40
Blue clay	40	50
Stony clay	50	58
Gravel	58	60
STony clay	60	66
Limestone	66	132

Construction of the well was completed on: October 24 19 62

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes xx No

Was the well sealed watertight upon completion? Yes xx No

11. MISCELLANEOUS DATA:

Yield test: 1 Hrs. at 12 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 72 ft.

Water sample was sent to the state laboratory at: _____ City on _____ 19____

Signature Richard Berkholtz
Registered Well Driller
Richard Berkholtz, President

Acker-Berkholtz Co., Inc.
1170 Forest Lane, Brookfield, Wisconsin
Complete Mail Address

Please do not write in space below

Rec'd _____ No. _____

Ans'd _____

Interpretation _____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner _____

JUL 2 1946

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town / Village } Oak Creek

2. Location Sec. 4 Tn. 5 Rge. 22E.

3. Owner or Agent Chas. Hasee

4. Address Milwaukee Wisconsin

5. From well to nearest: Building 8 ft; sewer ft; drain ft; septic tank ft; dry well or filter bed ft; abandoned well Moved House ft. Incomplete

6. Well is intended to supply water for: Residence

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	58
6	58	131

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel Pipe	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	58

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Clay	0	58
Sandy Clay	65	123
Sand Gravel & Broken Rock	8	131

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 12 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 40 ft.

Water sample sent to laboratory at Kenosha June 17 1946 Lost in Transit

Construction of the well was completed on June 17 1946

The well is terminated 6 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

Signature W. L. Lehke
Registered Well Driller W. L.

845 So 85th. St.
Complete Mail Address

West Allis 14- Wis.

W½ Sec 4, T5N R22E

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED SEP 6 1949 BUREAU SAN. ENG.

1. County Milwaukee — Town ☒ Village ☐ City ☐ Oak Creek (Check one and give name)

2. Location ½ Mile South of College Ave, 3 Blocks East of Howell
Name of street and number of premise or Sec. Tn. and R. numbers

3. Owner ☒ or Agent ☐ Emil Hintz
Name of individual, partnership or firm

4. Mail Address 2713 S. Herman Milwaukee Wis.
Complete address required

5. From well to nearest: Building 16 ft; sewer ____ ft; drain ____ ft; septic tank 60 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Residence

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
6	30	127

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard weight Steel Casing	0	127

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	30 ft.

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	31
Sand	31	38
Clay	38	70
Sand	70	106
Clay (very hard)	106	113
Gravel	113	127

11. MISCELLANEOUS DATA:

Yield test: ~~12~~ 8 Hrs. at 10 GPM.

Depth from surface to water: 30 ft.

Water-level when pumping: 72 ft.

Water sample sent to laboratory at Kenosha on 9-5-49 19____

Construction of the well was completed on 8-27-49 19____

The well is terminated 12 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

Signature R. Martin
Registered Well Driller

1651 S 100 Street
West Allis 14 Wis.
(Milwaukee)
Complete Mail Address

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SW, SW, SW, Sec 4, T 5N R22E See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☐ Oak Creek (Check one and give name)

2. Location 120 East Rawson
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Elias Pauk
Name of individual, partnership or firm

4. Mail Address 120 East Rawson Mil 7 Wis
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

RECEIVED
MAR 15 1955
ENVIRONMENTAL SANITATION

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard Std pipe	0	145

9. GROUT:

Kind	From (ft.)	To (ft.)
mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil		
yellow clay	0	1
sandy clay	16	17
blue clay	80	97
hard pan	43	140
lime stone	5	145
	6	151

Construction of the well was completed on: March 1 1955

The well is terminated 6 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 25 ft.

Water sample was sent to the state laboratory at: Madison City on March 7 1955

Signature Lawrence Szyplowski Registered Well Driller

7570 So Howell Mil 7 Wis Complete Mail Address

Please do not write in space below

Rec'd MAR 9 - 1955 No. 5477

Ans'd

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0				
48 hrs.	0				
Confirm					
B. Coli					

0/5

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

RECEIVED

MAR 15 1963

SANITARY ENGINEERING

SW,SW,SW,Sec4,T5N,R22E

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☒ OAK CREEK (Check one and give name)

2. Location 124 E. RAWSON AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ PAVING MIX CO. HOWARD LAMOUREAUX & RAY JEGA
Name of individual, partnership or firm

4. Mail Address 124 E. RAWSON AVE - OAK CREEK, WIS.
Complete address required

5. From well to nearest: Building 6 ft; sewer 15 ft; drain None ft; septic tank 25 ft; CAST IRON PIPE
dry well or filter bed 50 ft; abandoned well ____ ft.

6. Well is intended to supply water for: OFFICE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	201			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	145

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	12
BLUE CLAY	12	129
GRAVEL	129	134
HARD PAN	134	140
POROUS LIME	140	145
SOLID LIME	145	201

Construction of the well was completed on: FEB 14 1963

The well is terminated 10 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 43 ft.

Water sample was sent to the state laboratory at: MADISON City on 3/11/ 1963

Signature Leo J Blauvelt 1731 W. GRANGE AVE MIL. 21, WIS.
Registered Well Driller — Complete Mail Address

Please do not write in space below

MAR 12 1963

Rec'd ____ No. 7312

Ans'd ____

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH Wel 6

SW,SW,SW,Sec 4,T5N R22E See Instructions on Reverse Side

WO 4088

1. County Milwaukee { Town ☐ Village ☐ City ☒ } Oak Creek
Check one and give name

2. Location 140 E. Rawson Ave.
Name of street and number of premise or Section, Town and Range numbers

JAN 20 1965

3. Owner ☒ or Agent ☐ Eldred Heiderick
Name of individual, partnership or firm

SANITARY ENGINEERING

4. Mail Address 140 E. Rawson Ave.
Complete address required

5. From well to nearest: Building 8 ft; sewer 50 ft; drain 15 ft; septic tank 75 ft; dry well or filter bed 50 ft; abandoned well - ft.

6. Well is intended to supply water for: home and greenhouse

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	142			
6	142	248			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	std. steel	0	142

9. GROUT:

Kind	From (ft.)	To (ft.)
Bentonite & cuttings	0	142

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
red clay	0	12
blue clay	12	86
coarse gravel & sand	86	98
hardpan	98	140
limerock	140	248

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 20 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 90 ft.

Water sample was sent to the state laboratory at: Madison City on 12/29/64 19__

Construction of the well was completed on: 6/30/64 19__

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes x No

Was the well sealed watertight upon completion? Yes x No

Signature Richard Berkholtz
Registered Well Driller
Richard Berkholtz, President

ACKER BERKHOLTZ COMPANY, INC.
1170 Forest Lane, Brookfield, Wis. 53005
Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH Vol 6

NW,SW,SW,Sec4,T5NR22E See Instructions on Reverse Side

AUG 31 1964

SANITARY ENGINEERING

1. County Milwaukee (Town ☐ Village ☐ City ☒) Oak Creek
Check one and give name

2. Location 6932 So. Howell Ave.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ August Priegel
Name of individual, partnership or firm

4. Mail Address 2349 So. Austin Ave. Milwaukee, Wisconsin 53207
Complete address required

5. From well to nearest: Building 15 ft; sewer 35 ft; drain 15 ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	170			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Steel casing	0	139

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay sand & gravel	0	78
Sandy clay	78	107
Stony clay	107	135
Hard pan	135	139
Lime rock	139	170

Construction of the well was completed on:

August 13, 1964 19____

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes X No ____

Was the well sealed watertight upon completion?

Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 12 GPM.

Depth from surface to water-level: 49 ft.

Water-level when pumping: 78 ft.

Water sample was sent to the state laboratory at:

Madison City on 8/13/64 19____

Signature David J. Ricker Registered Well Driller

10986 W. Forest Home Ave. Hales Corners Wis. Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel 6

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

(NW,SW,SW,Sec 4,T 5N,R22E) See Instructions on Reverse Side

1. County MILWAUKEE — Town ☑ / Village ☐ / City ☐ OAK CREEK (Check one and give name)

2. Location 6942 So. HOWELL — RECEIVED
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ AUG. PRIEGEL — OCT 25 1956
Name of individual, partnership or firm

4. Mail Address SAME YARD #2 — ENVIRONMENTAL SANITATION
Complete address required

5. From well to nearest: Building 17 ft; sewer 27 ft; drain 17 ft; septic tank 45 ft; dry well or filter bed 60 ft; abandoned well 110 ft.

6. Well is intended to supply water for: CONSTRUCTION & HOME USE

7. **DRILLHOLE:**

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	40			
8	40	182			

8. **CASING AND LINER PIPE OR CURBING:**

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
8	STEEL STD WT	0	145

9. **GROUT:**

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	30
CEMENT	30	40

10. **FORMATIONS:**

Kind	From (ft.)	To (ft.)
RED CLAY	0	11
Blue "	11	36
Gravel	36	39
Sandy Clay	39	131
Hard pan	131	139
Rocky Lime	139	144
Lime Stone	144	182

Construction of the well was completed on: Oct. 5 1956

The well is terminated 10 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No

Was the well sealed watertight upon completion? Yes ✓ No

11. **MISCELLANEOUS DATA:**

Yield test: 7 Hrs. at 30 GPM.

Depth from surface to water-level: 59 ft.

Water-level when pumping: 67 ft.

Water sample was sent to the state laboratory at: MADISON City on Oct 17 1956

Signature J. Kehoe Registered Well Driller — 1280 W. National W. Allis Complete Mail Address

Please do not write in space below

Rec'd OCT 18 1956 No. 38526

Ans'd

Interpretation SAFE.

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner

SE,SE,SW, sec. 4, T5N R22E

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☐ Oak Creek (Check one and give name)

2. Location 7014 So. Taylor Smolen county Name of street and number of premise or Section, Town and Range number

RECEIVED DEC 8 1955 ENVIRONMENTAL SANITATION Subj Div

3. Owner ☐ or Agent ☐ Joe Smolen (Name of individual, partnership or firm)

4. Mail Address 7014 So. Taylor Smolens county Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	99

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	1
yellow clay	12	13
blue clay	76	89
hard pan	10	99
lime stone	46	145

Construction of the well was completed on: Nov 28 19 55

The well is terminated 6 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at: Madison (City) on Nov 29 19 55

Signature Lessimer Sydlowski (Registered Well Driller)

7570 So. Howell Ave. Milw. Wis (Complete Mail Address)

Please do not write in space below

Rec'd DEC 1 - 1955 No. 40176

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0/5				

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH Vol 6

NW, SW, SW, Sec 4, T 5N R 22E See Instructions on Reverse Side

RECEIVED
OCT 28 1963
SANITARY ENGINEERIN

1. County MILWAUKEE { Town ☐ Village ☐ City ☒ } OAK CREEK
Check one and give name

2. Location 6900 So. HOWELL AVE OAK CREEK, WIS.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ JOSEPH SCHROEDER
Name of individual, partnership or firm

4. Mail Address SAME
Complete address required

5. From well to nearest: Building 10 ft; sewer NONE ft; drain NONE ft; septic tank NONE ft; dry well or filter bed NONE ft; abandoned well ____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	17			
6	17	160			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	131

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY & RED CLAY	0	17

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
12" BORED WELL	0	17
BLUE CLAY	17	128
POROUS LIME	128	131
SOLID LIME	131	160

Construction of the well was completed on: OCT. 17 1963

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 15 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 46 ft.

Water sample was sent to the state laboratory at: MADISON City on OCT. 21 1963

Signature Leo J. Blount (Registered Well Driller) 1731 W. GRANGE AVE MIL. 21, WIS. (Complete Mail Address)

Please do not write in space below

Rec'd OCT 22 1963 No 46373

Ans'd ____

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

SW,NW,SW,Sec 4, T5N R22E

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☒ OAK CREEK (Check one and give name)

2. Location 6848 So. Howell Ave
Name of street and number of premise or Section, Town and Range numbers

RECEIVED
APR 21 1964
SANITARY ENGINEERING

3. Owner ☒ or Agent ☐ ART KUEHNE
Name of individual, partnership or firm

4. Mail Address 8375 So. Howell Ave OAK CREEK, WIS.
Complete address required

5. From well to nearest: Building 16 ft; sewer 30 ft; drain 16 ft; septic tank 60 ft; dry well or filter bed 70 ft; abandoned well ____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	185			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	139

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	12
BLUE CLAY	12	134
POROUS LIME	134	138
SOLID LIME	138	185

Construction of the well was completed on: APRIL 11 1964

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 16 GPM.

Depth from surface to water-level: 55 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at: MADISON City on APRIL 15 1964

Signature Leo J. Blount (Registered Well Driller) 1771 W. Grange Ave MIL. WIS. 53221 (Complete Mail Address)

Please do not write in space below

Rec'd APR 16 1964 No. 14298

Ans'd ____

Interpretation ____

~~SAFE—BACTERIOLOGICALLY~~

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0	0	0	0	0

Examiner ____

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 12-76

JUL 16 1982

1. COUNTY: Mil.

CHECK (✓) ONE: ☐ Town ☐ Village ☑ City

Name: Oak Creek

2. LOCATION: NE, NW, SW, ¼ Section: E½ | Section: 4 | Township: 5N | Range: 22E

OR – Grid or Street No.: 231 | Street Name: E Oak St

AND – If available subdivision name, lot & block No.:

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Brian Satula

ADDRESS: Same

POST OFFICE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
40										

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump			Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other			80		Seepage Pit	
				Clearwater Dr.	Clearwater Sump							Seepage Bed	100
												Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well	Nonconforming Existing							
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Private home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	161

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	New, Steel	Surface	140
	Threaded + Coupled		
	19.45 lb/Ft		
	ASTM A-120		
	Union		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drill Cuttings-mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	70
Sand	70	100
Hardpan	100	140
Limestone	140	161

10. TYPE OF DRILLING MACHINE USED

☑ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with ☐ Air ☐ Water

Well construction completed on 6-4 1982

11. MISCELLANEOUS DATA

Yield Test: 5 Hrs. at 10 GPM

Depth from surface to normal water level 55 Ft.

Depth of water level when pumping 65 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 10 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to Oak Creek laboratory on 6-7 1982

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: [signature] Registered Well Driller

Complete Mail Address: 9112 S 13th St Oak Creek

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ OAK Creek (Check one and give name)

2. Location 511 East OAK St — NW, NE, SW, Sec 4 T5N R22E (Name of street and number of premise or Sec. Tn. and R. numbers)

3. Owner ☒ or Agent ☐ Howard Rosendink (Name of individual, partnership or firm)

4. Mail Address 1651 S. 100 Street West Allis 14, Wis. (Complete address required)

5. From well to nearest: Building 15 ft; sewer ___ ft; drain ___ ft; septic tank 60 ft; dry well or filter bed ___ ft; abandoned well ___ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
10	0	54
6	54	146

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	St. Wt. Steel Casing	0	142'

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	54'

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Hardpan	0	37
Clay	37	73
Hardpan	73	89
Clay	89	109
Gravel	109	119
Clay	119	128
Gravel	128	146

RECEIVED
MAY 1 1958
ENVIRONMENTAL SANITATION

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 11 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 70 ft.

Water sample sent to laboratory at 5-5-58 on ___ 19___

Construction of the well was completed on 5-2-58 19___

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ___

Was the well sealed watertight upon completion? Yes X No ___

Signature R. Martin
Registered Well Driller

1651 S. 100 Street
West Allis 14, Wis.
Complete Mail Address

MAY 6 1958

SAFE

1114

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ OAK Creek (Check one and give name)

2. Location 611 E OAK St. — NE, NE, SW Sec 4, T 5 N R 22 E (Name of street and number of premise or Sec. Tn. and R. numbers)

3. Owner ☐ or Agent ☒ Pete Blien (Name of individual, partnership or firm)

4. Mail Address 611 E. OAK Street City of OAK Creek (Complete address required)

5. From well to nearest: Building 15 ft; sewer ft; drain ft; septic tank 60 ft; dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: Home

RECEIVED
MAR 14 1961
ENGINEERING

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
10	0	46'
6	46'	133'

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	St. 6" Casing	0	129½

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	46'

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	21
Hardpan	21	33
Clay	33	70
Sand	70	81
Clay	81	129.6
Rock	129.6	133'

RECEIVED
MAR 21 1961
SANITARY ENGINEERING

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 72 ft.

Water sample sent to laboratory at 3-14-61 on 19

Construction of the well was completed on 3-11-61 19

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature R. Martin
Registered Well Driller

R. Martin
MAR 15 1961

1651 S. 100 Street
Complete Mail Address

West Allis 14, Wis

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SW,SW,SE,Sec4,T5N,R22E

See Instructions on Reverse Side

1. County Milw. { Town ☒ / Village ☐ / City ☐ } Oak Creek
   Check one and give name

2. Location 910 - E. Rawson Ave.
   Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ John Brickler
   Name of individual, partnership or firm

4. Mail Address 910 - E. Rawson Ave.
   Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Ice Cream Stand

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	50	6	50	108

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel Pipe 20#	0	80

9. GROUT:

Kind	From (ft.)	To (ft.)
mud		

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
top Soil - Red clay	0	15
Blue Clay	15	70
Muddy Clay	70	75
Hard Pan	75	80

RECEIVED
AUG 12 1958
ENVIRONMENTAL SANITATION

Construction of the well was completed on: 7/22/58 19____

The well is terminated 10" inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 40 ft.

Water sample was sent to the state laboratory at: Madison City on ____ 19____

Signature L. L. Mayo Registered Well Driller

818 - Michigan Ave. Complete Mail Address

So. Milw.

Please do not write in space below

Rec'd ____ No ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

DEC 7
STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

COUNTY: MILWAUKEE

CHECK ONE: ☐ Town ☐ Village ☒ City

NAME: OAK CREEK

2. ~~LOCATION~~ | ¼ Section | Section | Township | Range
SW SW | NW | 4 | 5N | 22E

~~R~~ – Grid or street no.: 6612

Street name: So. HOWELL AVE

AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING: OTTO SATULA

ADDRESS: 640 E. PARKWAY ESTATES DR.

POST OFFICE: OAK CREEK, WIS. 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
15	OVER 100		OVER 100			15		

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	~~SEPTIC TANK~~	~~PRIVY~~	~~SEEPAGE PIT~~	~~ABSORPTION FIELD~~	BARN	SILO	ABANDONED WELL	SINK HOLE
		SEWER	IN	STREET	OVER 300'				

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: RACKET BALL CLUB

DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	40			
6	40	247			

CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	BLK. SMLS. T&C	Surface	148
	W/RD COUPLINGS		
NEW	INTERLAKE, INC		
	ASTM A.53		
	19.45		

9. FORMATIONS

Kind	From (ft.)	To (ft.)
RED CLAY	Surface	18
BLUE CLAY	18	130
HARD PAN	130	140
POROUS LIMESTONE	140	148
SOLID LIMESTONE	148	247

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY & LIMESTONE SLURRY	Surface	40

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☐ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on NOV. 8 19 78

Well is terminated 10 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ N

Well sealed watertight upon completion ☑ Yes ☐ N

11. MISCELLANEOUS DATA

Yield test: 5 Hrs. at 50 GPM

Depth from surface to normal water level 50 ft.

Depth to water level when pumping 68 ft.

Water sample sent to MADISON laboratory on: DEC. 4 19 78

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seal type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Paul J. Blawat Registered Well Driller

COMPLETE MAIL ADDRESS: 1731 W. GRANGE AVE-MIL. WIS. 5322

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

WELL CONSTRUCTOR'S REPORT

DEPARTMENT OF RESOURCE DEVELOPMENT

Wel 6

1. COUNTY: MILWAUKEE
CHECK ONE: ☐ Town ☐ Village ☒ City
NAME: OAK CREEK

2. LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)
100 E. OAK ST. SW, SW, NW, Sec 4, T5N R22E

3. OWNER AT TIME OF DRILLING
ELECTRONIC CONSTRUCTION CORP

4. OWNER'S COMPLETE MAIL ADDRESS
100 E. OAK ST. OAK CREEK, WIS.

5. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
12	50		65		NONE			

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		90			100				

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for:
INDUSTRY

7. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	24			
6	24	166			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	BLK. SMLS. T&C	Surface	161
	W/R&D COUPLNG		
NEW	19.45		
	YOUNGSTOWN		

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY SLURRY	Surface	24

10. FORMATIONS

Kind	From (ft.)	To (ft.)
RED CLAY	Surface	17
BLUE CLAY	17	149
POROUS LIME	149	161
SOLID LIME	161	166

Well construction completed on NOV. 26 19 69

11. MISCELLANEOUS DATA

Yield test: 4 Hrs. at 90 GPM

Depth from surface to normal water level 60 ft.

Depth to water level when pumping 65 ft.

Well is terminated 10 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to MADISON laboratory on: 1/13 1969

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Leo J. Blauvelt Registered Well Driller

COMPLETE MAIL ADDRESS: 1731 W. GRANGE AVE - MIL. WIS. 53221

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS

NOV 1 1971

WELL CONSTRUCTOR'S REPORT

Wel-6

WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: MILWAUKEE

CHECK ONE: ☐ Town ☐ Village ☒ City — NAME: OAK CREEK

LOCATION (Number and Street or ¼ section, section, township and range. Also give subdivision name, lot and block numbers when available.)

300 E. OAK ST — SE, SW, NW, Sec 4 T5N R22E

OWNER AT TIME OF DRILLING: OTTO SATULA

4. OWNER'S COMPLETE MAIL ADDRESS: 8141 So. PENNSYLVANIA AVE OAKCREEK, WIS

Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
5	40		40		NONE			

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	~~SEPTIC TANK~~ HOLDING TANK	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
		55'						

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

6. Well is intended to supply water for: INDUSTRY

DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	27			
6	27	162			

8. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	BLK. SMLS. T&C	Surface	154
	W/R&D COUPLINGS		
NEW	VALLEY STEEL		
	19.45#		

9. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY SLURRY	Surface	27

10. FORMATIONS

Kind	From (ft.)	To (ft.)
RED CLAY	Surface	17
BLUE CLAY	17	107
HARD PAN	107	117
BLUE CLAY	117	140
HARD PAN	140	148
BLUE CLAY	148	150
POROUS LIME	150	154
SOLID LIME	154	162

11. MISCELLANEOUS DATA

Yield test: 4 Hrs. at 15 GPM

Depth from surface to normal water level: 50 ft.

Depth to water level when pumping: 50 ft.

Well construction completed on: OCT. 4 1971

Well is terminated 10 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to MADISON laboratory on: OCT. 27 1971

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Leo J. Blawat — Registered Well Driller

COMPLETE MAIL ADDRESS: 1731 W. GRANGE AVE-MIL. WIS. 5322

Please do not write in space below

COLIFORM TEST RESULT	GAS — 24 HRS.	GAS — 48 HRS.	CONFIRMED	REMARKS

REV. 11-68

WCL. 6

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

NW,SW,NW, Sec 4 T5N R22E

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☑ OAK CREEK (Check one and give name)

MAIL ADDRESS ~~2. Location~~ 6542 SO. HOWELL AVE OAK CREEK WIS
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ RUDY PAULICH
Name of individual, partnership or firm

LOCATION ~~4. Mail Address~~ S.E. CORNER OF E. JEWELL & SO. BURRELL ST. OAK CREEK
Complete address required

5. From well to nearest: Building 15 ft; sewer 20 ft; drain 15 ft; septic tank 40 ft; IRON dry well or filter bed 50 ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	153			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT	0	134
	IRON PIPE		

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	17
BLUE CLAY	17	130
POROUS LIME	130	134
SOLID LIME	134	153

RECEIVED
NOV 20 1956
ENVIRONMENTAL SANITATION

Construction of the well was completed on:
NOV. 12 1956

The well is terminated 6 inches ☑ above, ☐ below the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No _____

Was the well sealed watertight upon completion? Yes ✓ No _____

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 38 ft.

Water sample was sent to the state laboratory at:
MADISON (City) on NOV 12 1956

Signature Leo J. Blount (Registered Well Driller) 1731 W. CRANE AVE MIL. 15, WIS. (Complete Mail Address)

Please do not write in space below

Rec'd NOV 13 1956 No. 41163

Ans'd _____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner _____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE, SW, NW, Sec 4, T 5N, R 22E See Instructions on Reverse Side

1. County Milwaukee (Town ☐ Village ☐ City ☒) Oak Creek — Check one and give name

2. Location 241 East Jewell
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Ralph E. Winkel
Name of individual, partnership or firm

4. Mail Address 2250 So 4th St Milwaukee Wis
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

RECEIVED
SEP 3 1957
ENVIRONMENTAL SANITATION

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	155			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	13	10
sand & gravel	30	45
sandy clay	70	115
gravel	10	125
hard pan	7	132
lime stone	23	155

Construction of the well was completed on: Aug 23 19 57

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 12 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at: Madison City on Aug 24 19 57

Signature Engineer Hudkowski Registered Well Driller

1570 So Howell South Mil Complete Mail Address

Please do not write in space below

Rec'd AUG 26 1957 No. 28710

Ans'd ____

Interpretation Because of the presence of B. Coli in one of the 10 cc. portions of this sample another examination is advisable.

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+				
48 hrs.		0	0	0	0
Confirm	+				
B. Coli	1/5				

Examiner ____

Wel. 6-30M (6-50)

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE SW NW Sec 4, T5N R22E

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ Oak Creek (Check one and give name)

2. Location 321 East Jewell
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Otto G. Satilla
Name of individual, partnership or firm

4. Mail Address 321 East Jewell
Complete address required

5. From well to nearest: Building 16 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	130			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std steel pipe	0	128

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
sandy clay	116	117
sand & gravel	11	128
gravel	9	130

RECEIVED
MAY 7 1958
ENVIRONMENTAL SANITATION

Construction of the well was completed on: April 26 19 58

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 30 GPM.

Depth from surface to water-level: 27 ft.

Water-level when pumping: 27 ft.

Water sample was sent to the state laboratory at: Madison (City) on April 28 1958

Signature ~~Casimer Szydlowski~~ (Registered Well Driller) 75-70 So Howell So Mil Wis (Complete Mail Address)

Please do not write in space below

Rec'd APR 30 1958 No 1065

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE, SW NW Sec 4 T 5N R 22E See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ Oak Creek (Check one and give name)

2. Location 240 E Jewel St.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ A M Pasterko + S. Holman
Name of individual, partnership or firm

4. Mail Address 1630 No. 34th St Milwaukee
Complete address required

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 50 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	25			
4	25	149			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	25

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	25
Blue Clay	25	80
Sand	80	145
Water Gravel	145	149

RECEIVED
[illegible]
ENVIRONMENTAL SANITATION

Construction of the well was completed on: 1/19 19 57

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 6 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at: Madison City on 1/19 19 57

Signature Floyd Hafenbrack Registered Well Driller

1402 W. Dakota St. Waukesha
Complete Mail Address

3 Copies

Please do not write in space below

1377

Rec'd JAN 20 1958 No. ____

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel 6

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE, SW, NW, Sec 4, T5N, R22E See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ Oak Creek (Check one and give name)

2. Location 301 East Jewell
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Ralph Sieker
Name of individual, partnership or firm

4. Mail Address 3371 East Norwich Milwaukee Wisc
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	186			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Stand Steel pipe	0	138

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
sandy clay	80	82
blue clay	52	134
hard pan	4	138
lime stone	48	186

RECEIVED
MAY 6 1959
ENVIRONMENTAL SANITATION

Construction of the well was completed on: April 20 1959

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 8 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at: Madison (City) on April 27 1959

Signature S. Szydlowski — Registered Well Driller

7570 So Howell So Mil Wis — Complete Mail Address

Please do not write in space below

Rec'd APR 28 1959 No 10042

Ans'd SAFE

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0				

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

JUL 23 1940

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner F. R. Hapchka — Driller Lehrke Bros. ✓

Street or RFD R.R. — Post Office 845 So. 85th West Allis.

Post Office Milwaukee — Date June 20, 1940 — Permit No. 44

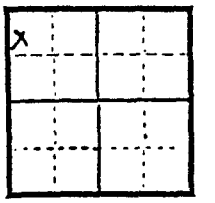
LOCATION OF PREMISES

Milwauke (County) Oak Creek (Town)

¼ mile So. of College Ave
Describe further by subdivision, plat, district, lake, lot,

on East Side of Howell Rd.
block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section. NW, NW,



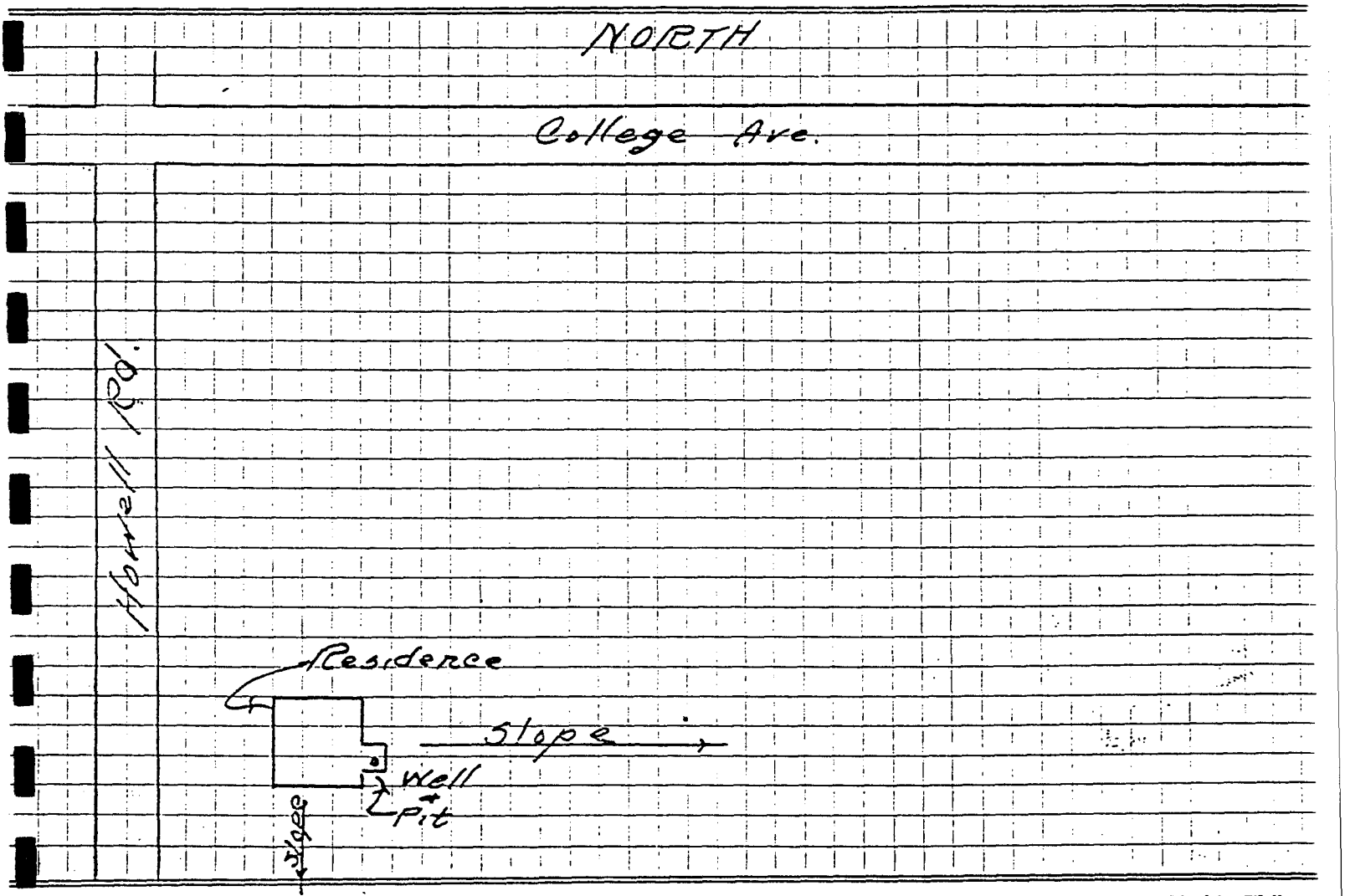
Sec. 4

Twp. 5

Range 22 { E / W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel pipe Drillers Special

Forged Steel Drive Shoe

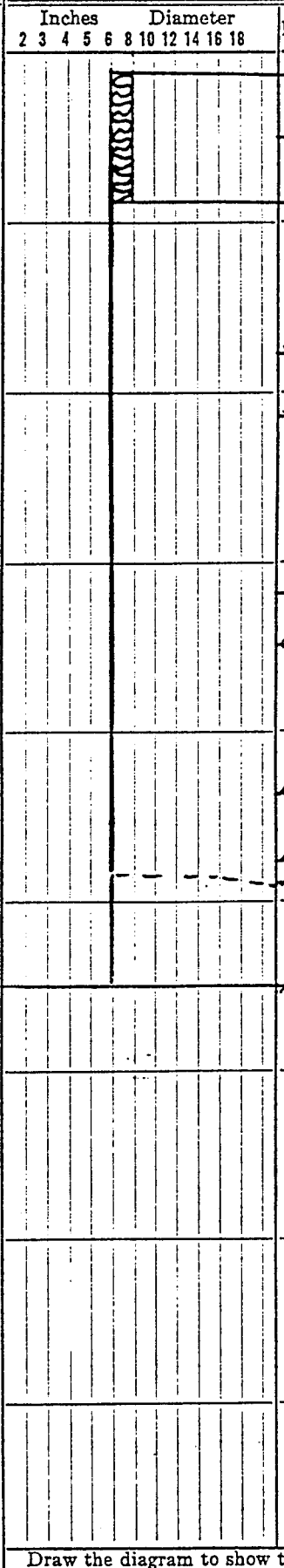
Key;

|=Casing pipe

|=Drillhole

S=Mud Grout.

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Pit - 5'

R. Clay - 8'

Blue Clay - 34'

Sand - 7'

Stony Blue Clay - 25'

Gravel - 7'.

Blue Clay - 41'

Hard-Pan - 18'

Limestone - 23'
(Waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 3

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 90

Standing water-level (from surface)
Ft. 44

Water-level when pumping Ft. 70

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory sample sent?
Kenosha
Date June 10-4

Was the well sealed o completion?
Yes ✓ No

How high did you leave casing-pipe above grade?
6" Pit 5'

Well was completed
Date June 8-4

Well Driller
Lehrke Bro
Signature

County Milw. Twp. Oak Creek NW,NW, Sec. 4, T5N R22E
(Office Record—Do not fill in)

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

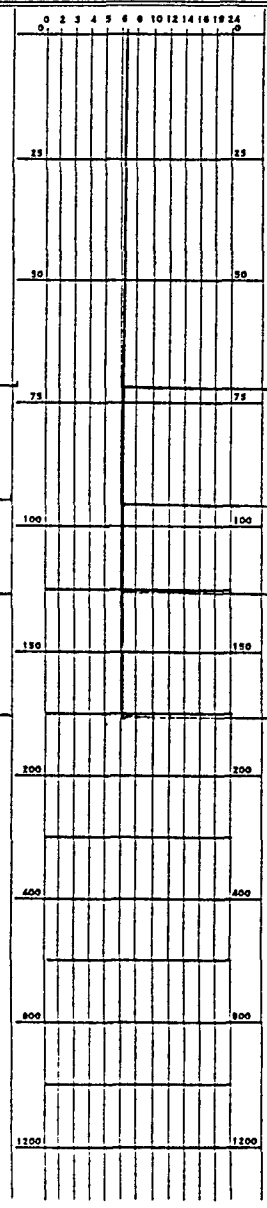
For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner St. Stephen's Parish Driller Leo Slatery.
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)
Address Rt. 1 - Box 335
Address Town of Oak Creek, Milwaukee Co. (City, village, township, county) Cudahy, Wisconsin.
Date of Report April 29 19 37
Howell Rd. So. of College Ave. Registration No. 44
Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.
If unincorporated hamlet Name County Twp. Highway
If Lake Shore Plat Name of Plat Lake Lot Blk. Street
If Farm County Twp. Sec. Highway
If School County Twp. Sec. District
If other public building Kind County Twp. Sec.
Miscellaneous St. Joseph Cemetery - Milwaukee Oak Creek 4
Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
124' 6" "Steel drive pipe down 128'		0'-TO-70' Clay.	Duration of test. Hours 4
		70' To 92' Sand Wet	Pumping Rate. G. P. M. 30
Forged Shoe		92' To 127' Stony Clay.	Depth of pump in well. Ft. 130
		127' To 176' Rock	Standing water-level (from surface.) Ft. 33
			Water level when pumping Ft. 45
			Water. End of test. Check: Clear ✓ Cloudy ____ Turbid ____
			Was well sterilized before test? Yes ____ No ✓ Date ____
			To which Laboratory was sample sent? Madison Date 4/26/37
			Was the well sealed on completion? Yes ✓ No ____
			How high did you leave casing above grade? 1'
			Well was completed 4/27/37 19 ____
			Well Driller: Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

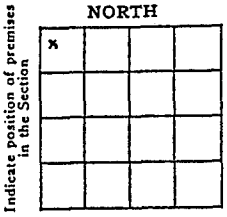
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

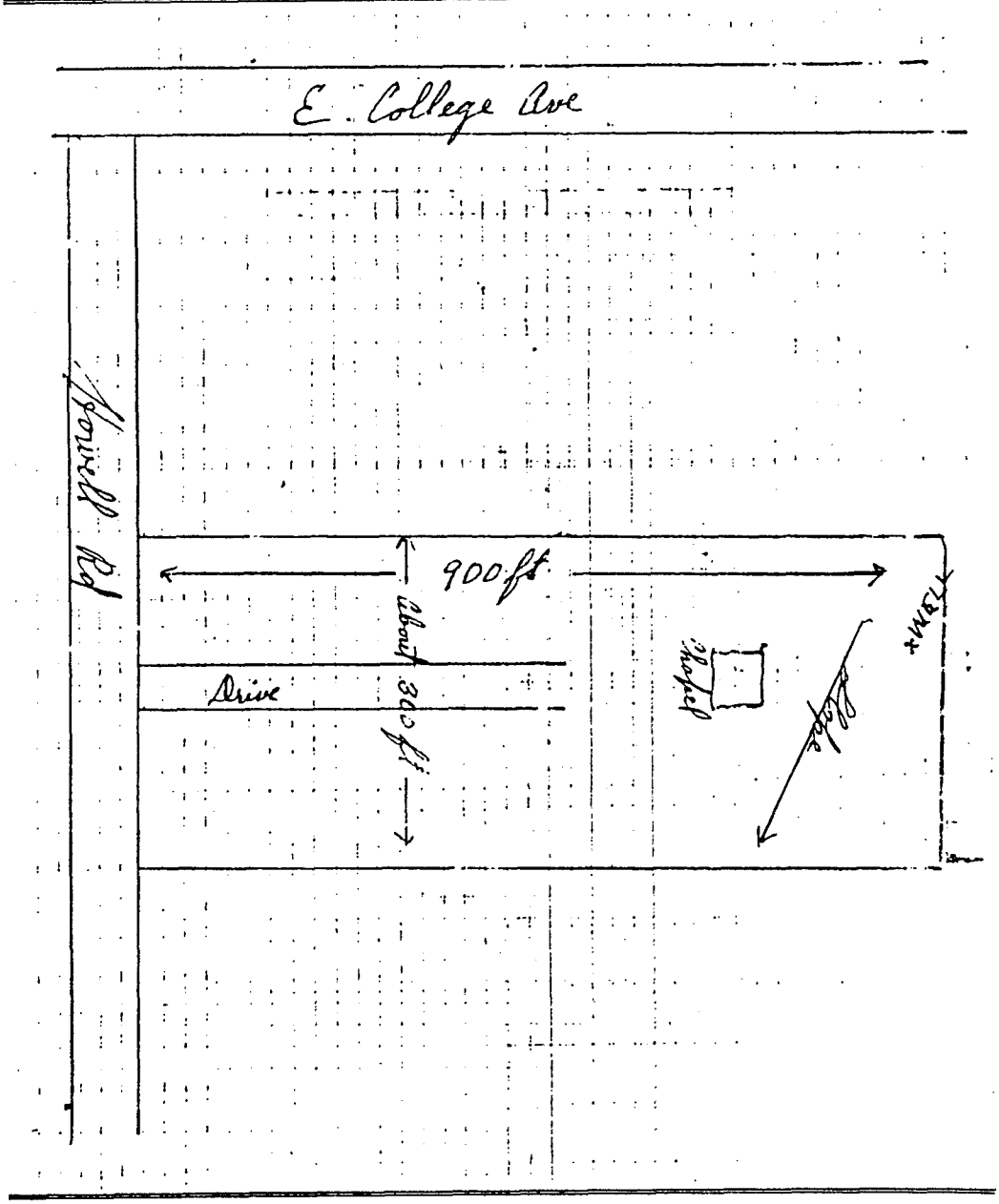
REMARKS:

Indicate position of premises in the Section

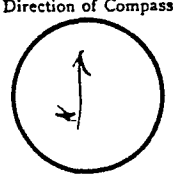
NORTH



Sec 4 T 5 R 22 (E) (~~W~~) (Each division equals 10') (If more or less indicate: _____)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

JUN 25 194

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NW, NW, Sec 4, T5N, R22E

1. County ~~Co.~~ Milwaukee { Town ~~Village~~ ~~City~~ Oak Creek.

2. Location S East corner of East Colley + W. Howell Ave

3. Owner ~~Agent~~ C. Peters

4. Address Same

5. From well to nearest: Building 13 ft; sewer 25 ft; drain 35 ft; septic tank 40 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Family Home.

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	30
6	30	117

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Weight	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	6	117

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Red Clay	40	40
Blue clay	68	108
Gravel	9	117
		117

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 44 ft.

Water sample sent to laboratory at Madison on June 24 19 46

Construction of the well was completed on June 24 19 46

The well is terminated 6 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Clarence Peters

Registered Well Driller

Complete Mail Address 3934 So 41st West Allis Wis.

Wel. 6

~~WELL CONSTRUCTOR'S~~ REPORT TO WISCONSIN STATE BOARD OF HEALTH

NW,NW,NW,Sec 4, T 5N, R 22E

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☑ OAK CREEK (Check one and give name)

2. Location 6336 So. HOWELL AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ WILLIAM C. BRUST
Name of individual, partnership or firm

4. Mail Address 579 W. COLLEGE AVE OAK CREEK, WIS.
Complete address required

5. From well to nearest: Building 50 ft; sewer NONE ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

RECEIVED
APR 3 1957
ENVIRONMENTAL SANITATION

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	177			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	132

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	19
BLUE CLAY	19	78
SAND	78	116
BLUE CLAY	116	128
POROUS LIME	128	132
SOLID LIME	132	177

Construction of the well was completed on: MARCH 25 19 57

The well is terminated 10 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 63 ft.

Water-level when pumping: 98 ft.

Water sample was sent to the state laboratory at: MADISON City on MARCH 25 19 57

Signature Leo J. Blount (Registered Well Driller) 1731 W. GRANGE AVE MIL, 15 WIS. (Complete Mail Address)

Please do not write in space below

Rec'd MAR 26 1957 No. 7210

Ans'd ____

Interpretation ____

SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

County Milw Twp. Oak Creek NW NW Sec. 4, T5N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Joe Vinnebork (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Driller Lehrke Bros

Address Town of Oak Creek, Milwaukee Co (City, village, township, county)

Address 845 So 95 St West Allis Wisc

Date of Report May 16 1938

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name ____ Lot ____ Blk. ____ Street and No. ____

If unincorporated hamlet ____ Name ____ County ____ Twp. ____ Highway ____

If Lake Shore Plat ____ Name of Plat ____ Lake ____ Lot ____ Blk. ____ Street ____

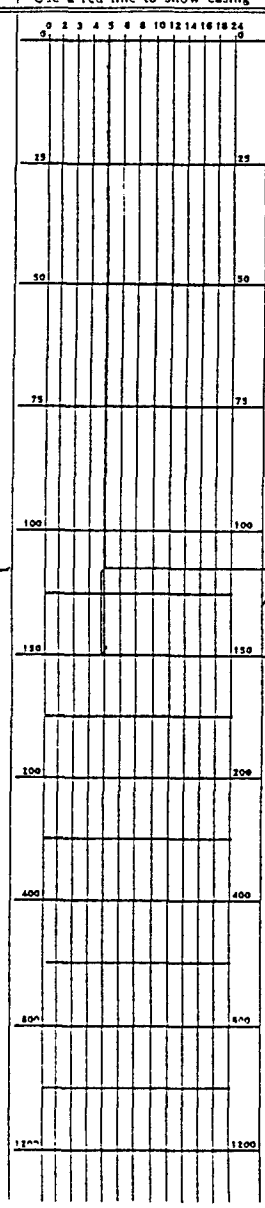
If Subdivision ____ Name ____ Milwaukee County Oak Creek Twp. 4 Sec. ____ Lot ____ Blk. ____

If Farm ____ County ____ Twp. ____ Sec. ____ Highway ____

If School ____ County ____ Twp. ____ Sec. ____ District ____

If other public building ____ Kind ____ County ____ Twp. ____ Sec. ____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
118' of 5" Steel drive pipe down 116'		0' TO 50' Clay	Duration of test. Hours 4
			Pumping Rate. G. P. M. 15
			Depth of pump in well. Ft. 65
			Standing water-level (from surface.) Ft. 30
		50' TO 115' Sandy Clay & Stones	Water level when pumping Ft. 45
			Water. End of test. Check: Clear ✓ Cloudy ____ Turbid ____
5" Forged shoe		115' TO 150' Lime rock	Was well sterilized before test? Yes ____ No ✓ Date ____
			To which Laboratory was sample sent? Madison Date 4/18/38
			Was the well sealed on completion? Yes Hand pump tight seal No ____
			How high did you leave casing above grade? 2 ft
			Well was completed 4/17 1938
			Well Driller: W L Lehrke Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

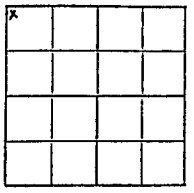
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the campass. See Part III of Code for specimen Diagram.

REMARKS: Report blasting and unusual items in this space:

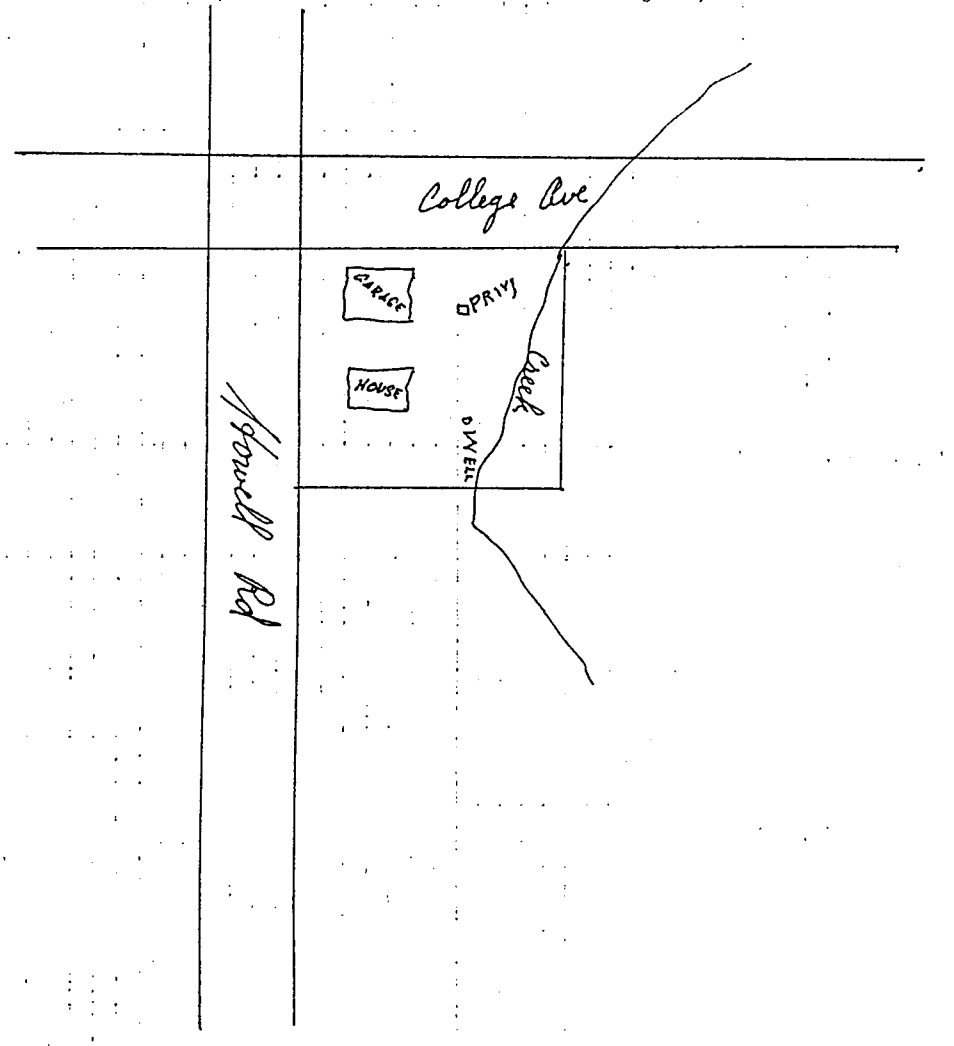
The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

NORTH

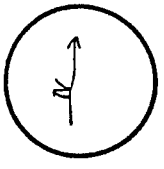


Sec. 4 T. 5 R. 22 (E) ~~(W)~~ (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE,NW,NW Sec 4, T5N, R22E — See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☑ OAK CREEK (Check one and give name)

2. Location 209 E. COLLEGE AVE OAK CREEK, WIS.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ EMIL R. KRUTZ
Name of individual, partnership or firm

4. Mail Address SAME AS ABOVE
Complete address required

5. From well to nearest: Building 7 ft; sewer NONE ft; drain 12 ft; septic tank 30 ft; CLEAR WATER
dry well or filter bed 50 ft; abandoned well ____ ft.

RECEIVED
MAR 7 1962
SANITARY ENGINEERING

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	186			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	131

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	120
HARD PAN	120	129
POROUS LIME	129	131
SOLID LIME	131	186

Construction of the well was completed on:
FEB. 19 19 62

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ☒ No ☐

Was the well sealed watertight upon completion? Yes ☒ No ☐

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 48 ft.

Water-level when pumping: 48 ft.

Water sample was sent to the state laboratory at: MADISON City on FEB. 27 19 62

Signature Leo J. Blauert 1731 W. CRANBE AVE MILW. 4, WIS.
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd MAR 1 - 1962 No. 6143

Ans'd

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NW,NE,NE Sec 4, T5N, R22E See Instructions on Reverse Side

1. County Milwaukee (Town ☒ / Village ☐ / City ☐) Oak Creek — Check one and give name

2. Location 1219 E. College Ave. Milwaukee, 7, Wis.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Ray Van Beck
Name of individual, partnership or firm

4. Mail Address 1301 E. College Ave. Milwaukee, Wis.
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

RECEIVED
JAN 6 1959
ENVIRONMENTAL SANITATION

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	176

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard weight		
	steel pipe	0	129-9"

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
red clay	[illegible]	16
blue "	20	36
sand and gravel	10	46
blue clay	50	96
hard stoney clay	12	108
sand	17	125
lime rock	51	176

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: Madison City on 12-21 1958

Construction of the well was completed on: Dec. 20 1958

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes " No

Was the well sealed watertight upon completion? Yes " No

Signature Frank Lehrke Registered Well Driller

Rt. 2-12344 McShane Rd. Hales Corners Wis. Complete Mail Address

Please do not write in space below

Rec'd DEC 22 1958 No. 40189

Ans'd

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WCL. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED
FEB 10 1955
ENVIRONMENTAL SANITATION

1. County MILWAUKEE (Sec 4-5 T5N R22E) Town ☑ / Village ☐ / City ☐ OAK — Check one and give name

2. Location OAK ST. & HOWELL AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☑ ST. JAMES CHURCH — FOSS & JANSMA (ARCHITECT)
Name of individual, partnership or firm

4. Mail Address 11109 W. BLUEMOUND RD. MILWAUKEE, WIS.
Complete address required

5. From well to nearest: Building 20 ft; sewer 35 ft; drain 30 ft; septic tank 100 ft; dry well or filter bed 150 ft; abandoned well ____ ft.

6. Well is intended to supply water for: CHURCH & PARSONAGE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	180			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	171

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	25

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	22
BLUE CLAY	22	35
SAND	35	53
BLUE CLAY	53	130
POROUS LIME	130	171
SOLID LIME	171	180

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water-level: 43 ft.

Water-level when pumping: 43 ft.

Water sample was sent to the state laboratory at: MADISON City on FEB. 2 1955

Construction of the well was completed on: FEB. 2 1955

The well is terminated 12 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Leo J. Klawitt
Registered Well Driller

5561 So. 6TH ST. MILWAUKEE 15, WIS.
Complete Mail Address

Please do not write in space below

Rec'd FEB - 3 1955 No. 2777

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0				
48 hrs.	0				
Confirm					
B. Coli	0/5				

Examiner ____

WCR. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County MILWAUKEE (525-36E) — Town ☐ Village ☐ City ☑ CUDAHY — Check one and give name

2. Location 3235 E. PULASKI AVE (SW Sec 26 T6N R22E)
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ MILTON KATZ
Name of individual, partnership or firm

4. Mail Address 7120 N. LONG ACRE RD, MILWAUKEE
Complete address required

5. From well to nearest: Building 10 ft; sewer 12 ft; drain 30 ft; septic tank 50 ft; (IRON SEWER)
dry well or filter bed _____ ft; abandoned well _____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
15	0	20			
6	20	174			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	108

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
15" BORED WELL	0	20
BLUE CLAY	20	87
HARD PAN	87	102
POROUS LIME	102	108
SOLID LIME	108	174

RECEIVED
SEP 3 1958
ENVIRONMENTAL SANITATION

Construction of the well was completed on: AUG. 25 19 58

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No _____

Was the well sealed watertight upon completion? Yes ✓ No _____

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 45 ft.

Water sample was sent to the state laboratory at: MADISON City on AUG. 25 19 58

Signature Lee J. Blewett (Registered Well Driller) 1731 W. GRANGE AVE MIL. 15, WI (Complete Mail Address)

AUG 27 1958

Please do not write in space below

Rec'd _____ No 27633

Ans'd _____ SAFE

Interpretation _____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	C				

Examiner _____

Wel. 6-30M (6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

NE SW SW Sec 26 T 6N R 22E

See Instructions on Reverse Side

1. County Milwaukee — Town [X] Village [ ] City [ ] — Lake — Check one and give name

2. Location 5345 East Buckhorn Avenue, Milwaukee, Wis.
Name of street and number of premise or Section, Town and Range numbers

3. Owner [X] or Agent [ ] H. Petashnick
Name of individual, partnership or firm

4. Mail Address 5345 East Buckhorn Ave. Milwaukee, Wis.
Complete address required

RECEIVED JAN 10 1955 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	40	6	40	212

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std. Wt. Steel	0	156

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Black soil	0	1
Yellow clay	1	25
Blue clay	25	145
Hard pan	145	156
Lime stone	156	212

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 90 ft.

Water-level when pumping: 120 ft.

Water sample was sent to the state laboratory at: Madison City on Dec. 14 1954

Construction of the well was completed on: December 13 1954

The well is terminated 8 inches [ ] above, below [ ] the permanent ground surface.

Was the well disinfected upon completion? Yes [X] No [ ]

Was the well sealed watertight upon completion? Yes [X] No [ ]

Signature ____ Registered Well Driller

7570 So. Howell Ave., Milwaukee 7, Wis. Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

NOV 16 1943

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirt days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Leo Pond

Driller Arber & Krumm

Street or RFD 3130 E. Underwood Ave.

Post Office Milwaukee Wisc.

Post Office Rt.1 box 55 Cudahy Wisc.

Date May 16, '40

Permit No. 36

LOCATION OF PREMISES

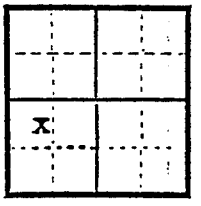
Milwaukee
County

Lake
Town

N.W.1/4 of S.W. 1/4 Sec. 26
Describe further by subdivision, plat, district, lake, lot,

Nicholson & Whitnal aves.
block, nearest principal highway, etc., whichever apply.

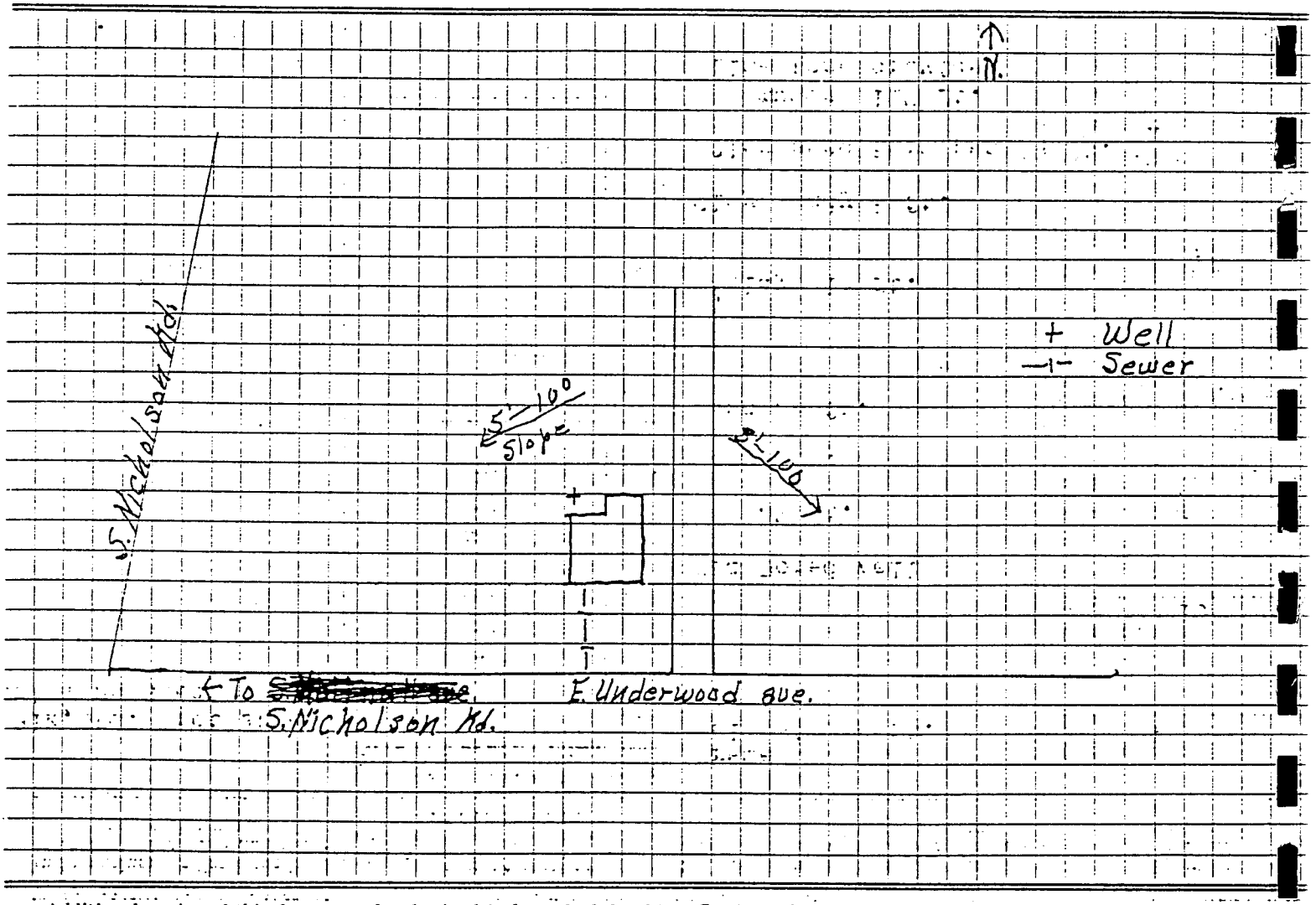
The square below represents a section of lan divided into 40 acre tracts. Mark the positio of the premises in the section.



NWSW
Sec. 26
Twp. 6
Range 22

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as th distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

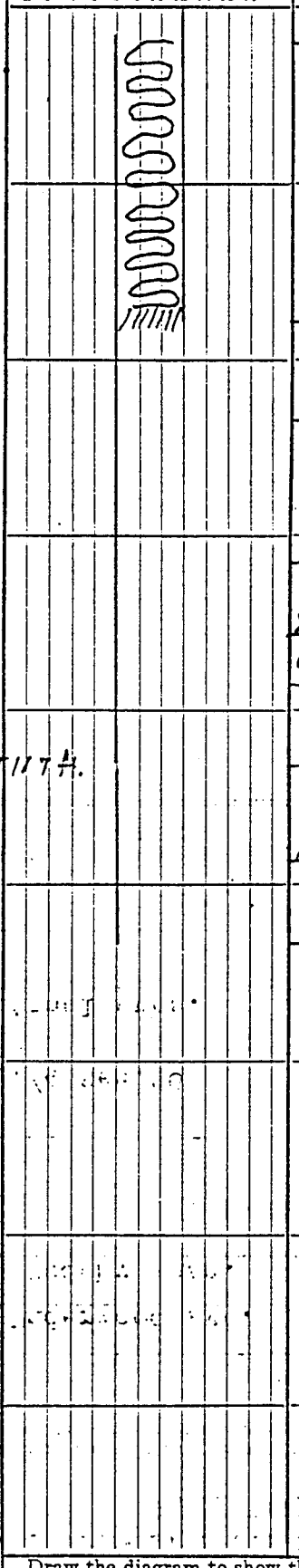
In this column indicate the kind of casing, liner, shoe and other accessories used.

114 ft., 6 in.
ak, Std. Wrot steel
illers Special Pipe.

forged steel shoe at 117 ft.

= pipe
1 = drill hole
S = Clay grout
111 = Cement grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Depth	
Grade	
4	Well pit 4 ft.
	Old Bored well
	37 ft.
41	
63	Sand 22 ft.
76	Clay 13 ft.
94	Clay sandy 8 ft.
94	Clay sand Hard pan 10 ft.
	muddy 117 ft.
117	Limestone creviced
145	Li mestone Drak 28 ft
16	Limestone crev. WB. 15 ft.

Record of FINAL Pumping test

Duration of test
Hours 4

Pumping rate
G.P.M. 10

Depth of pump in well. Ft. 58

Standing water-level (from surface)
Ft. 28

Water-level when pumping Ft. 57

Water. End of test.
Clear X
Cloudy
Turbid

Was the well sterilized?
Yes X No

To which laboratory was sample sent?
Kenosha
Date 5/16/40

Was the well sealed on completion?
Yes X No
pump installed.

How high did you leave the casing-pipe above grade?
5 in. pit floor.

Well was completed
Date 5/16/40

Well Driller
B G Garber
Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

See Instructions on Reverse Side

1. County MILWAUKEE — Town ☐ Village ☐ City ☒ CUDAHY — Check one and give name — APR 9 19

2. Location 5085 So. WHITNALL AVE — T6N R22E — Name of street and number of premise or Section, Town and Range numbers — SANITARY ENGINEERING

3. Owner ☒ or Agent ☐ ERVIN ZBICHORSKI — SWNW Sec 26 — Name of individual, partnership or firm

4. Mail Address 303 E. ~~NOR~~ NORWICH AVE MILWAUKEE WIS. 53207 — Complete address required

5. From well to nearest: Building 38 ft; sewer NONE ft; drain NONE ft; septic tank NONE ft; dry well or filter bed NONE ft; abandoned well ____ ft.

6. Well is intended to supply water for: AUTO PAINT SHOP

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	21			
6	21	140			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	108

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	14
BLUE CLAY	14	101
POROUS LIME	101	108
SOLID LIME	108	140

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 50 ft.

Water-level when pumping: 125 ft.

Water sample was sent to the state laboratory at: MADISON City on MARCH 31 1964

Construction of the well was completed on: MARCH 27 1964

The well is terminated 12 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Leo J. Blaurat — Registered Well Driller — 1731 W. GRANGE AVE MIL, WIS. 53221 — Complete Mail Address

Please do not write in space below

Rec'd APR 1 1964 No. 11867

Ans'd APR 7 - 1964

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli	0	0	0	0	0

Examiner ____

1981

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: MILWAUKEE | CHECK ONE: ☐ Town ☐ Village ☑ City | NAME: CUDAHY

2. LOCATION – ¼ Section: SW, NW, Sec 26 | Section: ~~27~~ NE | Township: 6N | Range: 22E
OR – Grid or street no.: 5015 So. | Street name: WHITNALL AVE
AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING: RICHARD LEIGH
ADDRESS: 5015 So. WHITNALL AVE.
POST OFFICE: CUDAHY, WISCONSIN

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRAIN C. I.	WASTE WATER DRAIN TILE
25	N		N		N		N	

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
N		N	N	N	N	N	N	N	N

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.): NONE

5. Well is intended to supply water for: BODY SHOP

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	99	6	99	158

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	P.E. New Steel 18.97 #/Lin Ft ASTM-A-53 U.S. STEEL	Surface	99

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
DRILLING MUD	Surface	99

9. FORMATIONS

Kind	From (ft.)	To (ft.)
SANDY CLAY	Surface	36
SAND	36	41
CLAY	41	99
LIMESTONE	99	158

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☑ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on: 3/5 19 81

11. MISCELLANEOUS DATA
Yield test: 4½ Hrs. at 30 GPM
Depth from surface to normal water level: 25 ft.
Depth to water level when pumping: 60 ft.

Well is terminated 12 inches ☑ above ☐ below final grade
Well disinfected upon completion ☑ Yes ☐ No
Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to: Sommer-Frey laboratory on: 6/1 19 81

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seal type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Emanuel Bryan Registered Well Driller
COMPLETE MAIL ADDRESS: 609 So. 85 St. West Allis, Wis.

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

County Milw. Twp. Lake T2 R20 Sec. 26

NW SW NW Sec 26 T6N R22E

APR 17 1939

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Home Owner's Loan Corp. (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address 4975 S. Whitnall ave Twp. Lake (City, village, township, county)

Driller Arber & Krumm

Address Sta. F Rt. 3 Box 496 Milwaukee Wisconsin

Date of Report Dec. 31, 1939

Registration No. 36

Give below the location of the property on which well is drilled.

If incorporated village or city: Cudahy (Name) (Lot) (Blk.) 4975 S. Whitnall ave. (Street and No.)

If unincorporated hamlet (Name) (County) (Twp.) (Highway)

If Lake Shore Plat (Name of Plat) Lake (Lot) (Blk.) (Street)

If Subdivision (Name) (County) (Twp.) (Sec.) (Lot) (Blk.)

If Farm Hilldale Lake 26 S. Whitnall (County) (Twp.) (Sec.) (Highway)

If School (County) (Twp.) (Sec.) (District)

If other public building (Kind) (County) (Twp.) (Sec.)

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
94 ft. - 5 in. black standard W. Dyke forged steel shoe. $ dry clay backfill	0 2 3 4 5 6 8 10 12 14 16 18 24	Clay hard pan 18'	Duration of test. Hours 3
	18	Clay 42'-60	Pumping Rate. G. P. M. 15
	25		Depth of pump in well. Ft. 32
	50		Standing water-level (from surface.) Ft. 47
	60	Clay stony 21'-81	Water level when pumping Ft. 60 ft.
	75		
	81	Clay sandy 8'-89	Water. End of test. Check: Clear ✓
forged shoe	89 94	Gravel muddy 5'-94	Cloudy
	100		Turbid
		Limestone 60'-154	Was well sterilized before test? Yes ✓ No
	150 154		Date Dec. 30
	200		To which Laboratory was sample sent? Menosha
	200		Date Dec. 31, '38
	400		Was the well sealed on completion? Yes ✓ No
	400		How high did you leave casing above grade? 6 in.
	600		Well was completed Dec. 31 1938
	800		Well Driller: B. J. Gaeber Signature.
	1000		(Be sure to complete the report on the reverse side)
	1200		

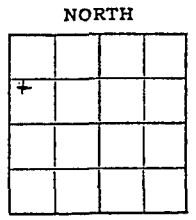
PREMISES DIAGRAM

(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the campass. See Part III of Code for specimen Diagram.

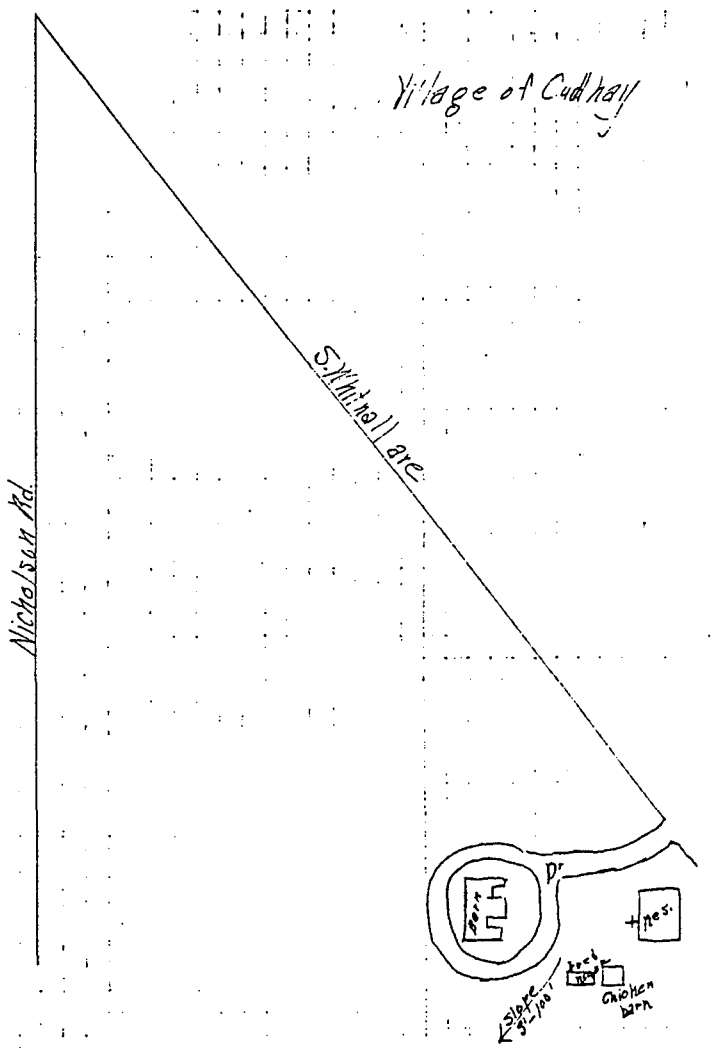
REMARKS: Report blasting and unusual items in this space:

The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

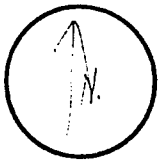


Sec. 26 T. 6N R. 20 (E) (W) (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

Wel. 6-30M[(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

Sec 26-27 T6N R22E

1. County Milw. Town ☐ Village ☐ City ☐ Lake — Check one and give name

2. Location East Capitol Dr. & So. Michaels Ave. — Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Raymond Mahr — Name of individual, partnership or firm

4. Mail Address Cudahy Wis. — Complete address required

RECEIVED JUL 30 1952 BUREAU SAN. ENG.

5. From well to nearest: Building 15 ft; sewer Metropolitan Sewer ft; drain ft; septic tank ft; dry well or filter bed ft; abandoned well ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10"	0	30	6"	30	133'

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6"	Steel Pipe	0	105

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud		

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay		105'
Limestone	105'	285'

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water-level: 30 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at: Kenosha City on 9/2/47 19

Construction of the well was completed on: 9-2-47 19

The well is terminated 5 7/8" inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No

Was the well sealed watertight upon completion? Yes ✓ No

Signature L. L. Mahr Registered Well Driller

R# Box 432 - Milw - 7 - Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee {Town ☐ Village ☐ City ☒} Cudahy (Check one and give name)

2. Location Lot no 9. Walbauer Subd. (Name of street and number of premise or Section, Town and Range numbers)

3. Owner ☒ or Agent ☐ Ray J. Herschleb (Name of individual, partnership or firm)

4. Mail Address 5130 So. Nicholson Ave (Complete address required)

5. From well to nearest: Building 15 ft; sewer 50 ft; drain 35 ft; septic tank 60 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: One family Home

RECEIVED NOV 1 1955 WISCONSIN STATE BOARD OF HEALTH ENVIRONMENTAL SANITATION

RECEIVED OCT 28 1955 ENVIRONMENTAL SANITATION

7. **DRILLHOLE:**

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	40			
7	40	137			

8. **CASING AND LINER PIPE OR CURBING:**

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel 26 lbs	0	99

9. **GROUT:**

Kind	From (ft.)	To (ft.)
Puddle clay	0	40

10. **FORMATIONS:**

Kind	From (ft.)	To (ft.)
Puddle clay	0	60
Sand	60	65
Hard Pan	65	78
Gravel	78	99
Lime Stone	99	137

Construction of the well was completed on: Oct 23 1955

The well is terminated 10 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. **MISCELLANEOUS DATA:**

Yield test: 5 Hrs. at 6 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 35 ft.

Water sample was sent to the state laboratory at: Madison (City) on Oct 24 1955

Signature Dale Amber (Registered Well Driller) 6830 W Fond Home ave Mil. Wis (Complete Mail Address)

Please do not write in space below

Rec'd OCT 25 1955 No. 36670

Ans'd ____

Interpretation ____

SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0				

Examiner ____

NOV 3 1981

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

JUL 21 1981

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Cudahy

2. LOCATION: ✓(NE,NE) ¼ Section: SE | Section: 27 | Township: 6-N | Range: 22-E
OR – Grid or Street No.: 3137-3147 | Street Name: (E.) Luzerne Ave.
AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Thomas Hesiak
ADDRESS: 3137-3147 Luzerne Ave.
POST OFFICE: Cudahy, Wisc.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
15	28	[illegible]	15							

Street Sewer		Other Sewers		Foundation Drain Connected to:				Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other				Seepage Pit
80				Clearwater Dr.		Clearwater Sump	15						Seepage Bed
													Seepage Trench

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well								
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Duplex-residence

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8-3/4	Surface	102	6	102	162

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	ASTM A-53	Surface	102
PE	USS new welded #18:97		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drilling mud	Surface	102

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	75
Sandy clay	75	102
Rock-lime	102	146
Rock-lime water bearing	146	162

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☒ Rotary-hammer w/drilling mud & air ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air
☐ Rotary-w/drilling mud ☐ Reverse Rotary ☐ Water

11. MISCELLANEOUS DATA
Yield Test: 4 Hrs. at 10 GPM
Depth from surface to normal water level 43 Ft.
Depth of water level when pumping 43 Ft. Stabilized ☒ Yes ☐ No

Well construction completed on May 26 1981
Well is terminated 9 inches ☒ above ☐ below final grade
Well disinfected upon completion O.K. ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on July 13 1981

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Charles Gibour Registered Well Driller

Complete Mail Address:
CHARLES GIBOUR & SONS
WELL DRILLING & PUMP
BOX 322 LANNON WI 53046
255-6252

County Milwaukee Twp. Lake Sec. NE 27 6N 22E

(Office Record—Do not fill in)

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Jos. Puetz (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Town of Lake Milw. (City, village, township, county)

Driller Theodore Watry

Address RT. 1, Box 335 Cudahy, Wis.

Date of Report 4/1 1937

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.

If unincorporated hamlet Name County Twp. Highway

If Lake Shore Plat Name of Plat Lake Lot Blk. Street

If Farm County Twp. Sec. Highway

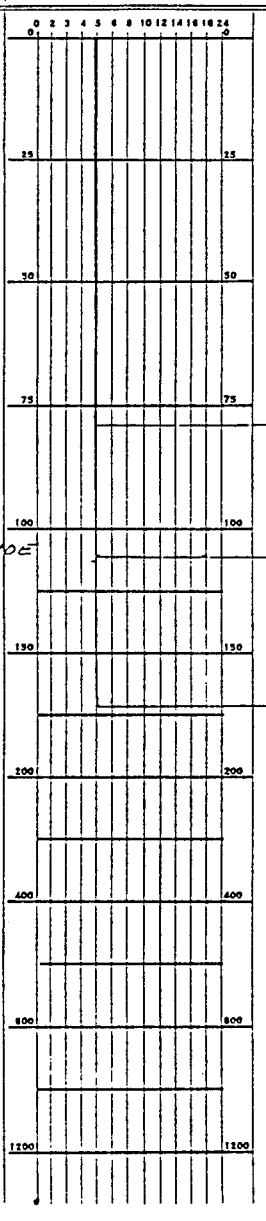
If School County Twp. Sec. District

If other public building Kind County Twp. Sec.

Miscellaneous Suburban Milw. Lake 27

Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
111 ft. 5" STEEL DRIVE PIPE		CLAY 0 — 80 ft.	Duration of test. Hours 5
			Pumping Rate. G. P. M. 30
			Depth of pump in well. Ft. 114
			Standing water-level (from surface.) Ft. 56
			Water level when pumping Ft. 115
		STONY CLAY 80 — 110 ft.	Water. End of test. Check: Clear ✓ Cloudy ___ Turbid ___
DOWN 110 ft. FORGED STEEL SHOE		ROCK 110 - 171 ft.	Was well sterilized before test? Yes ___ No ✓ Date ___
			To which Laboratory was sample sent? Madison Date 5/8/37
			Was the well sealed on completion? Yes ✓ No ___
			How high did you leave casing above grade? 10"
			Well was completed 5/3 1937
			Well Driller: Theodore Watry Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

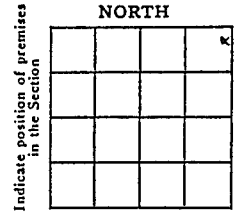
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

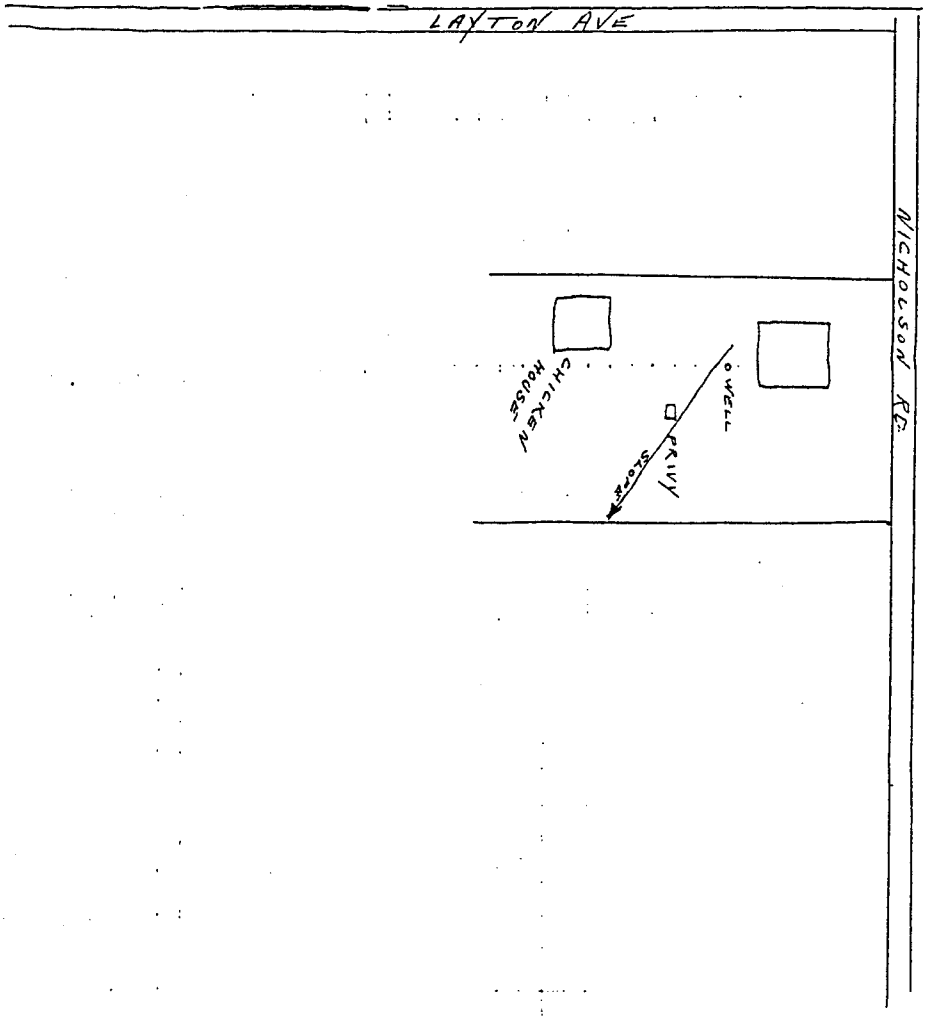
REMARKS:

Indicate position of premises in the Section

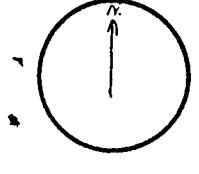
NORTH



Sec. 27 T. 6 R. 22 (E) ~~(W)~~ (Each division equals 10') (If more or less indicate: .....)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

County Milw. Twp. Lake Sec. NE 27 T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Frank Robussen Driller Lehrke Bros.
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Town of Lake, Milwaukee Co (City, village, township, county) Address 845 So 85 St, West Allis, Wisc.

Date of Report 4/20 19.38

Clayton Ave, West of Nicholson Rd Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.

If unincorporated hamlet Name County Twp. Highway

If Lake Shore Plat Name of Plat Lake Lot Blk. Street

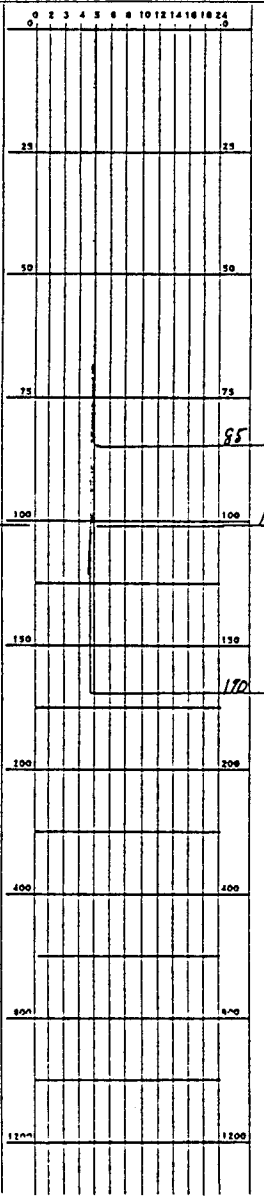
If Subdivision Name Milwaukee County Lake Twp. 27 Sec. Lot Blk.

If Farm Name County Twp. Sec. Highway

If School Name County Twp. Sec. District

If other public building Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
104' of 5" Steel drive pipe down 103'		0' TO 85' Clay	Duration of test. Hours 6
			Pumping Rate. G. P. M. 15
			Depth of pump in well. Ft. 105
			Standing water-level (from surface.) Ft. 57
			Water level when pumping Ft. 105
		85' TO 102' Stony Clay	Water. End of test. Check: Clear ✓
5" Forged shoe			Cloudy
		102' TO 170' Lime rock	Turbid
			Was well sterilized before test? Yes No ✓
			Date
			To which Laboratory was sample sent?. Madison
			Date 4/11/38
			Was the well sealed on completion? Yes ✓ No
			How high did you leave casing above grade? 8"
			Well was completed 4/11 19.38
			Well Driller: W.J. Lehrke Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

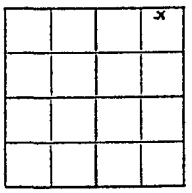
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the campass. See Part III of Code for specimen Diagram.

REMARKS: Report blasting and unusual items in this space:

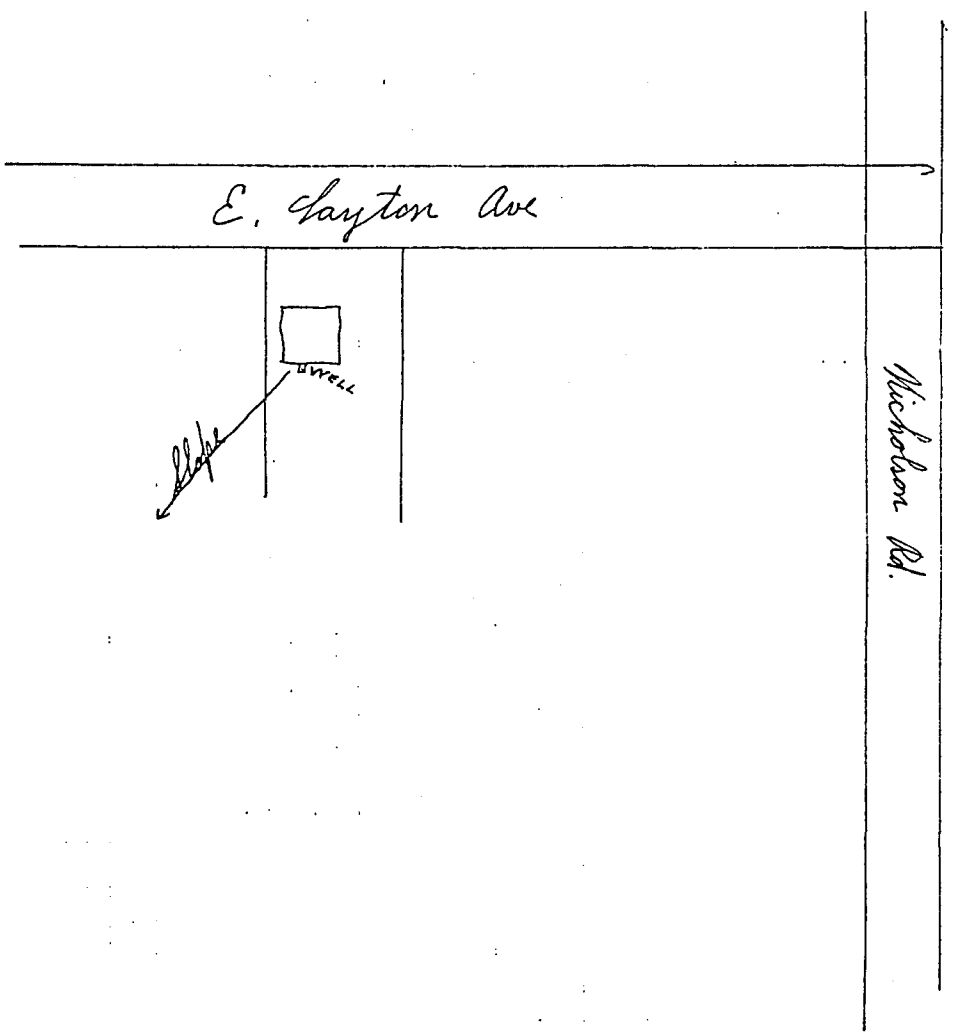
The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

NORTH

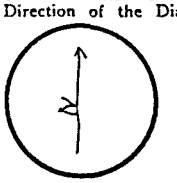


Sec. 27 T. 6 R. 22 (E) (~~W~~) (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

County Milw. Twp. Lake (Office Record—Do not fill in) Sec. NE 27 T6N R22E

☑

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner JORDAN PUETZ (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address TOWN OF LAKE MILW. (City, village, township, county)

Driller THEODORE WATRY

Address RT. 1, BOX 335 CUDAHY, WIS.

Date of Report 4/1 1937

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name ____ Lot ____ Blk. ____ Street and No. ____

If unincorporated hamlet ____ Name ____ County ____ Twp. ____ Highway ____

If Lake Shore Plat ____ Name of Plat ____ Lake ____ Lot ____ Blk. ____ Street ____

If Farm ____ County ____ Twp. ____ Sec. ____ Highway ____

If School ____ County ____ Twp. ____ Sec. ____ District ____

If other public building ____ Kind ____ County ____ Twp. ____ Sec. ____

Miscellaneous Suburban Kind Milw. County Lake Twp. 27 Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
5" STEEL DRIVE PIPE	0 2 3 4 5 6 8 10 12 14 16 18 24	0-3 ft. PIT	Duration of test. Hours 5
	25	CLAY 3-80 ft.	Pumping Rate. G. P. M. 14
	50		Depth of pump in well. Ft. 115
	75		Standing water-level (from surface.) Ft. 56
			Water level when pumping Ft. 115
DOWN 105 FT. FORGED STEEL SHOE	100	STONY CLAY 80-98 ft. SHELL ROCK 98-105 ft.	Water. End of test. Check: Clear ✓ Cloudy ____ Turbid ____
	150	ROCK 105-159 ft.	Was well sterilized before test? Yes ____ No ✓ Date ____
	200		To which Laboratory was sample sent? Madison Date 7/22/37
	400		Was the well sealed on completion? Yes ✓ No ____
	800		How high did you leave casing above grade? 1 ft. above floor
	1200		Well was completed 7/20 1937
			Well Driller: Theodore Watry Signature.
			(Be sure to complete the report on the reverse side)

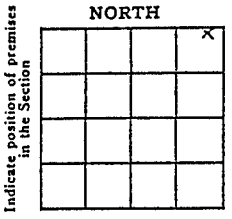
PREMISES DIAGRAM

(See Rules)

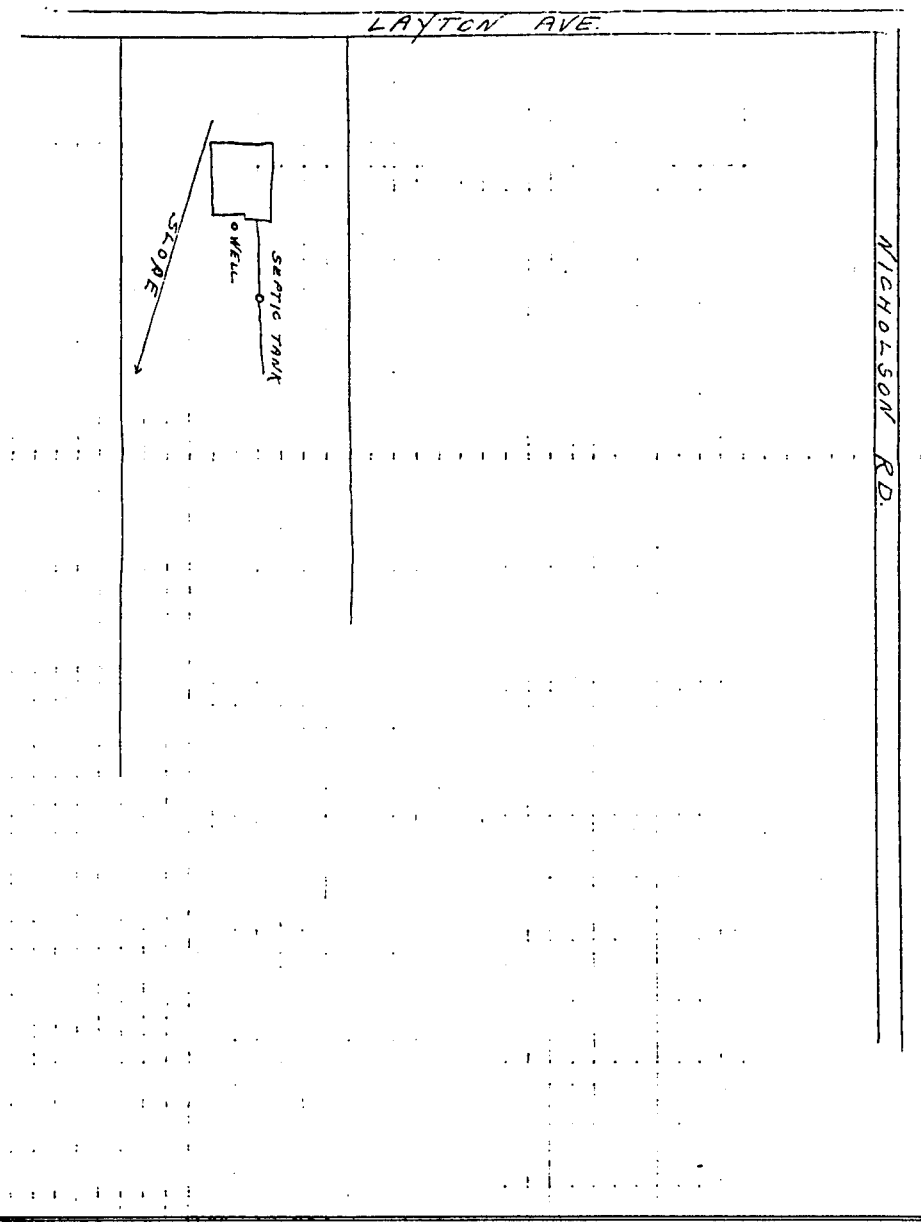
Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS:

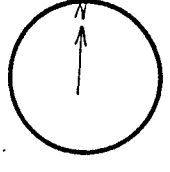
Indicate position of premises in the Section



Sec 27 T. 6 R. 22 (E) (W) (Each division equals 10') (If more or less indicate: .....)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☒ Cudahy. (Check one and give name)

2. Location 2801 E. Carpenter Ave. SE¼ NE¼ SEC 33 T 7 N R 22 E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Frank Desty
Name of individual, partnership or firm

4. Mail Address 2801 E. Carpenter Ave.
Complete address required

5. From well to nearest: Building 6 ft; sewer 25 ft; drain 15 ft; septic tank 30 ft; dry well or filter bed 60 ft; abandoned well ? ft.

6. Well is intended to supply water for: Home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	0	40			
6	40	145			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	40

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
40' of 12" Bored Well	0	40
Clay	40	80
Sand	80	85
Limestone	85	145

RECEIVED
DEC 21 1956
ENVIRONMENTAL SANITATION

Construction of the well was completed on: Nov 22 1956

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No

Was the well sealed watertight upon completion? Yes ✓ No

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 25 ft.

Water sample was sent to the state laboratory at: Madison City on Dec 11 1956

Signature Art Huebner — Registered Well Driller

1314 So 92 St West Allis Wis. — Complete Mail Address

Please do not write in space below

Rec'd DEC 13 No 44231

Ans'd

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

INSTRUCTIONS

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

PLEASE BE GUIDED BY THE FOLLOWING:

Numbers below correspond to numbers of items of the form on the opposite side.

1. Name of the County and the name of the Town, Village or City. Indicate which is given.
2. If Rural: Number and the ¼ of the Section, the number of the Town North, and the number of the Range East or West.
   If Urban: Name of the Street and the number of the Premise.
3. Name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. Indicate which is given.
4. Name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.
5. Distance, in feet, from the well to the nearest building and to each source of pollution shown.
6. Indicate: Home, farm, school, tavern, creamery,. community, industry, etc.
7. Show the diameter and depth of the initial drillhole or excavation and each reduction in size to bottom. If well was reconstructed, show diameter and depth of original well on first line.
8. Show diameter and kind of casing pipe, liner pipe or curbing and actual position in the well, measured from the surface.
9. Show kind of material (mud or cement) used in sealing the annular space, from and to what depths from the surface. If neither was used indicate "none".
10. Show thickness of each formation and the total depth at the base thereof.
11. Provide the data indicated.

Note: The Well Construction Report (Well Log) may be forwarded with the water sample from a newly constructed or reconstructed well, instead of the report requested by the State Laboratory of Hygiene, on the form which accompanies the sample bottle.

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, subsurface pumprooms, access pits, etc., may be given here:

This well is 6' from the house. It went down a bored well the septic system is all new and cast iron leaded pipe beyond the tank. The city plumbing Inspector checked the entire set up. To be sure the customer could have his well in the same place as it was.

DO NOT FILM

If more space is needed another sheet may be attached.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED

1. County Milwaukee {Town ☐ Village ☐ City ☒} Cudahy — Check one and give name — DEC 2 - 1963

2. Location 2910 E College Ave — Name of street and number of premise or Section, Town and Range numbers — RECEIVED SANITARY ENGINEERING

3. Owner ☒ or Agent ☐ Peter Rzpizewski — Name of individual, partnership or firm

4. Mail Address 2910 E College Ave - 4520 Penrose Ave — Complete address required — RECEIVED

5. From well to nearest: Building 15 ft; sewer — ft; drain — ft; septic tank 50 ft; dry well or filter bed 60 ft; abandoned well — ft. — JAN 8 1964 SANITARY ENGINEERING

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	28			
6	28	190			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	inch pipe	0	93

9. GROUT:

Kind	From (ft.)	To (ft.)
Mucky Clay	0	28

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Filling	0	4
Blue Clay	4	64
Sand + Gravel	64	76
Hard pan	76	93
Lime Rock	93	190

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at: Madison City on 10/19 1960

Construction of the well was completed on: 10/18 1960

The well is terminated 16 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No —

Was the well sealed watertight upon completion? Yes ✓ No —

Signature Lawrence Smith — Registered Well Driller

6201 W Howard ave — Complete Mail Address

Please do not write in space below

Rec'd — No —

Ans'd —

Interpretation —

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner —

Wel 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

RECEIVED
SEP 6 1962
SANITARY ENGINEERING

See Instructions on Reverse Side

1. County Milwaukee (Town ☐ Village ☐ City ☒) Cudahy
   Check one and give name

2. Location 3024 East College Ave.
   Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Edw. Klug
   Name of individual, partnership or firm

4. Mail Address 3024 East College Ave., Cudahy Wis.
   Complete address required

5. From well to nearest: Building 20 ft; sewer 50 ft; drain 50 ft; septic tank 50 ft; dry well or filter bed 75 ft; abandoned well None

6. Well is intended to supply water for: Home use

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
2	25	130			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
2	steel	0	130

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud	0	25

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	25
Gravel	25	40
Clay	40	90
Gravel	90	110
Sand	110	130

Construction of the well was completed on: 7-2 19 62

The well is terminated 16 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 40 GPM.

Depth from surface to water-level: 60 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at: Madison (City) on 7-29 1962

Signature Wm. Johnson Well Driller (Registered Well Driller) Waukesha Wis. (Complete Mail Address)

Please do not write in space below

Rec'd ____ No. 32929

Ans'd ____

Interpretation UNSAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+				
48 hrs.	+	+	+	+	+
Confirm	+	+	+	+	+
B. Coli	+	+	+	+	+

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

Wel 6

See Instructions on Reverse Side

APR 20 19

1. County Milwaukee — Town ☐ Village ☐ City ☒ Cudahy (Check one and give name)

2. Location 2731 E. Carpenter (N½ NE Sec 22 T6N R22E) — Name of street and number of premise or section, Town and Range numbers

3. Owner ☒ or Agent ☐ James Freeman — Name of individual, partnership or firm

4. Mail Address 2731 E. Carpenter, Cudahy, Wis. — Complete address required

5. From well to nearest: Building 15 ft; sewer 35 ft; drain 15 ft; septic tank 27 ft; dry well or filter bed 55 ft; abandoned well - ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	86			
6	86	128			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	std. steel	0	86

9. GROUT:

Kind	From (ft.)	To (ft.)
Bentonite & cuttings	0	86

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
red clay	0	5
blue clay	5	79
hardpan	79	83
limerock	83	128

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 12 GPM.

Depth from surface to water-level: 25 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: ____ City ____ on ____ 19____

Construction of the well was completed on: 3/16 19 64

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature Richard Berkholtz — Registered Well Driller

Richard Berkholtz, President

ACKER BERKHOLTZ COMPANY INC.
1170 Forest Lane, Brookfield, Wis. 53005
Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

W½ NE¼ Sec 27-T8N-R22E

1. County Milwaukee (T 8 N - R 22 E) Town ☐ Village ☐ City ☐ Cudahy
Check one and give name

2. Location 2701 East Carpenter
Name of street and number of premise or Section, Town and Range numbers

RECEIVED MAY 16 1956 ENVIRONMENTAL SANITATION Wis.

3. Owner ☐ or Agent ☐ Al Wasielewski
Name of individual, partnership or firm

4. Mail Address 2701 East Carpenter Cudahy Wis.
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	101			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	88

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
sand clay	30	32
blue clay	50	82
hard pan	6	88
lime stone	63	101

Construction of the well was completed on: May 8 19 56

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 20 ft.

Water-level when pumping: 50 ft.

Water sample was sent to the state laboratory at: Madison City on May 9 19 56

Signature Lawrence Sydlowski Registered Well Driller

7570 So Howell Mil Wis Complete Mail Address

Please do not write in space below

Rec'd ____ No 13275

Ans'd ____

Interpretation ____

SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+		+		
48 hrs.					
Confirm					
B. Coli	+				

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SENE Sec. 27 T6N R22E

JAN 9 1948

1. County Manitowoc. { Town / ~~Village~~ / ~~City~~ Lake

2. Location Michelson Rd. & Wagal Ave.

3. Owner or Agent Platka

4. Address

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Farm

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10"	0	25
6"	25	141

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	pipe	0	96

9. GROUT:

Kind	From (ft.)	To (ft.)
sand	0	96

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
top soil + clay	0	21
blue clay	21	80
sandy shale	80	96
hard rock	96	141

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water: 35 ft.

Water-level when pumping: 35 ft.

Water sample sent to laboratory at Kewaskum on 7/2/46 19____

Signature T. F. Platka
Registered Well Driller

Construction of the well was completed on 7/2/46 19____

The well is terminated ____ inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

R. #1 - Reedsville
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NESENE Sec 27 T6N R22E

1. County Milwaukee { Town ☒ / Village ☐ / City ☐ } Lake — Check one and give name

2. Location 4901 S.Nicholson Rd.
Name of street and number of premise or Sec., Twp. and R. numbers

RECEIVED
MAY 21 1955
ENVIRONMENTAL SANITATION

3. Owner ☒ or Agent ☐ Alex Matulas
Name of individual, partnership or firm

4. Mail Address 4901 S.Nicholson Ave. Milwaukee
Complete address required

5. From well to nearest: Building 5 ft; sewer XX ft; drain XX ft; septic tank 45 ft; dry well or filter bed 50 ft; abandoned well 60 ft.

6. Well is intended to supply water for: Tavern & Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
8	0	22
6	0	177

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	blk.std 19.45	0	88

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Well pit		7
clay	36	43
clay sandy	20	63
sand	7	70
hardpan clay gravel	25	95
limestone	35	130
limestone Crev.	6	136
limestone	23	159
limestone WB	18	177

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 7 GPM.

Depth from surface to water: 38 ft.

Water-level when pumping: 63 ft.

Water sample sent to laboratory at Kenosha on 8/1 19 42

8/27 42

Construction of the well was completed on Aug. 1 19 42

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

Signature Arber & Krumm G.G. Greer
Registered Well Driller

5807 W.Hampton Rd Milwaukee 16
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NENE Sec 27 T6N R22E

RECEIVED
JAN 26 1949
BUREAU
SAN. ENG.

1. County Milwaukee — Town ☐ Village ☒ City ☐ Check one and give name — Oak Creek

2. Location 4863 So. Whitnall Ave.
Name of street and number of premise or Sec. Tn. and R. numbers

3. Owner ☒ or Agent ☐ — P. Walczak
Name of individual, partnership or firm

4. Mail Address — Same
Complete address required

5. From well to nearest: Building 15 ft; sewer 60 ft; drain 15 ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: 1 Family Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
9	0	20
5	20	92

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Standard Weight	0	82

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	87

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	40
Blue Clay	40	82
Lime Rock	82	92
		92

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 6 GPM.

Depth from surface to water: 30 ft.

Water-level when pumping: 36 ft.

Water sample sent to laboratory at Madison on Oct 20 1948

Construction of the well was completed on Oct 20 1948

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Clarence Acker
Registered Well Driller

3934 So. 41st West Allis Wis.
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

JAN 8 1948

1. County MILWAUKEE { Town / ~~Village~~ / ~~City~~ LAKE

2. Location SEC-28- R-22-E T-6-N

3. Owner or ~~Agent~~ ROBERT. WETTENGEL

4. Address So. HOWELL & W. COLLEGE

5. From well to nearest: Building 15 ft; sewer ____ ft; drain 15 ft; septic tank 50 ft; dry well or filter bed 75 ft; abandoned well NONE ft.

6. Well is intended to supply water for: HOUSE HOLD

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	25

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	STEEL	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
PUDDLE CLAY	0	25

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
RED CLAY	20	20
BLUE CLAY	60	80
STONY CLAY	30	110
LIMESTONE	29	139

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 50 ft.

Water sample sent to laboratory at MADISON on 7-24 1946

Signature Harvey Acker
Registered Well Driller

Construction of the well was completed on 7-24-46 19____

The well is terminated 6 inches (above) (~~below~~) the permanent grade.

Was the well disinfected upon completion?

Yes X No ____

Was the well sealed watertight upon completion?

Yes X No ____

9316 W. Coldspring
Complete Mail Address

West Allis

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

SESWSWSec3T5NR22E See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☐ Oak Creek (Check one and give name)

2. Location 1912 East Rawson Ave Mil Wis
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ Barney B. Oreck
Name of individual, partnership or firm

4. Mail Address 1716 Minnesota Ave South Mil
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	186			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard steel pipe	0	115

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	1
yellow clay	18	19
blue clay	85	164
hard pan	11	115
lime stone	71	186

Construction of the well was completed on: Jan 13 19 56

The well is terminated 6 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes Y No ____

Was the well sealed watertight upon completion? Yes Y No ____

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 15 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: Madison City on Jan 15 1956

Signature Casimer Szydlowski Registered Well Driller

7570 So Howell Mil Wis Complete Mail Address

Please do not write in space below

Rec'd JAN 19 1956 No. 1614 (1614)

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0/5				

Examiner ____

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

SEP 3 1941

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Mrs E. Tenty Driller M. Asher & Sons

Street or RFD W Grange Ave & Howell Post Office R. 4. Wauwatosa

Post Office Town of Lake Date Aug 30 Permit No. 90

LOCATION OF PREMISES

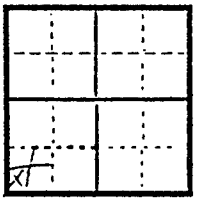
Milwaukee (County) Lake (Town)

East of Howell Ave on Grange Ave
Describe further by subdivision, plat, district, lake, lot,

the south side of street
block, nearest principal highway, etc., whichever apply.

Apt 5500 So Howell

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



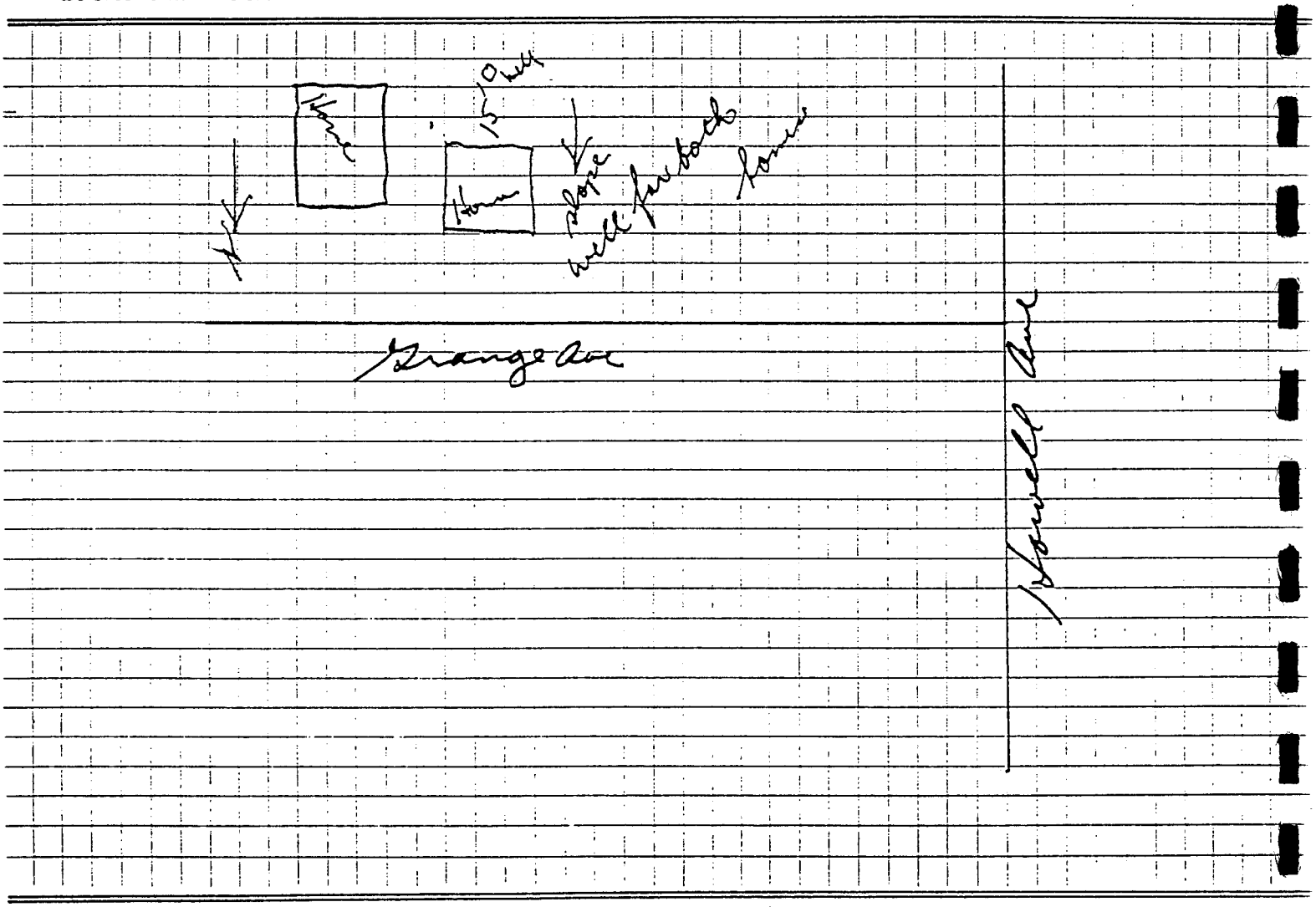
Sec. No. 23

Twp. No. 6N

Range 22 { E W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-1939.

In this column indicate the kind of casing, liner, shoe and other accessories used.

1' std wt steel 6" steel pipe

forged steel shoe

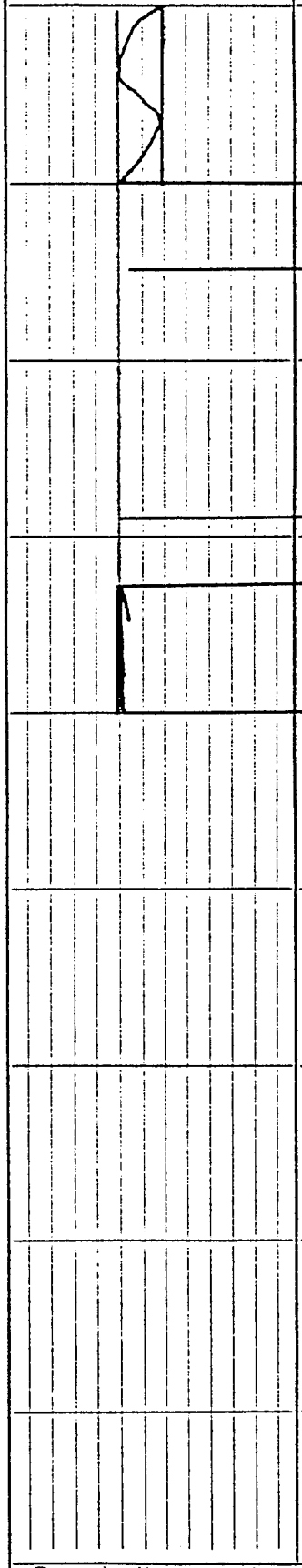
Key.

/ = pipe

S = mud gravel

= drilled hole

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

25' Red clay

15' blue clay

30' Hard gravel

15' sand

15' fine rock water bearing

Record of FINAL Pumping test

Duration of test
Hours 4

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 40

Standing water-level (from surface)
Ft. 20

Water-level when pumping Ft. 22

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes _____ No _____

To which laboratory was sample sent?
Madison
Date Aug 28

Was the well sealed on completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date Aug 28 41

Well Driller
Clarence Acker
Signature

Alt 5500 So Howell

JUL 24 1944

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

1. County Milwaukee (Town / Village / City) Lake

2. Location (SWSWSW Sec 28 T6N R22E)

3. Owner or Agent Chet Ceile

4. Address 50, Howell + Grange Ave.

5. Sewer 25 ft; drain ___ ft; septic tank 40 ft; disposal unit ___ ft; barnyard ___ ft; abandoned well ___ ft; other ___ ft. Explain on obverse side.

DRILLHOLE OR EXCAVATION

Dia. (in.)	From (ft.)	To (ft.)
10	0	40
6"	40	154

CASING PIPE, LINER PIPE OR CURBING

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Pipe	0	154

FORMATIONS

Kind	From (ft.)	To (ft.)
Top Soil + Red Clay	0	18
Blue Clay	18	70
sand	70	80
Hard Pan	80	100
Shell rock	100	103
Lime rock	103	154
Pump not installed by us.		

GROUT

Kind	From (ft.)	To (ft.)
Mud	0	40

Yield test: 5 Hrs. at 10 GPM.
To static water-level 35 ft.
Drawdown - - - - - - 60 ft.
Water sample was sent to the State Laboratory at Kenosha
Construction of the well was completed on 8/5/ 194 1
The well is terminated 5 3/8 inches (above)(below) the permanent grade.
Was the well disinfected upon completion? - - - - Yes ✓ No ___
Was the well sealed watertight upon completion? - - Yes ✓ No ___

This report was prepared by or under the supervision of:

L. L. Mau
Registered Well Driller

Permit No. 154 Date 8/5/ 194 1

(over)

INSTRUCTIONS

This is an ALTERNATE Well Construction Report form intended for use by well constructors who find it difficult to prepare well logs on the REGULAR Well Log and Report form.

ALL INFORMATION INDICATED ON THE FACE OF THIS FORM MUST BE GIVEN

In preparing the report, PLEASE OBSERVE THE FOLLOWING:

Line 1. Give the name of the County and the name of the Town, Village or City. Indicate which is given.

Line 2. If Rural: Give the number and the ¼ of the ¼ of the Section, the number of the Town North and the number of the Range East or West.
If Urban: Give the name of the Street and the number of the Premise.

Line 3. Give the name of the Owner. If the name of the owner cannot be given, give instead the name of the Agent. State which is given.

Line 4. Give the name of the Street and the number of the Premise or the number of the Mail Route, the name of the Post Office and the name of the State.

Line 5. Give the distance, in feet, from the well to each source of pollution indicated. Explain other sources of pollution below.

ADDITIONAL SANITARY SURVEY

State your opinion concerning other pollution hazards:

Pump not installed by us

ADDITIONAL INFORMATION

Data relating to screens, seals, type of casing joints, method of finishing the well, blasting, etc., may be given here:

County Milw. Twp. Lake Sec. SWNW 27 T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Mrs J Hawley (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Town of Lake (City, village, township, county)

Howell Rd

Driller Schiske Bros.

Address 845 So 85 St. West Allis, Wisconsin

Date of Report Dec 27 1938

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name Lot Blk. Street and No.

If unincorporated hamlet Name County Twp. Highway

If Lake Shore Plat Name of Plat

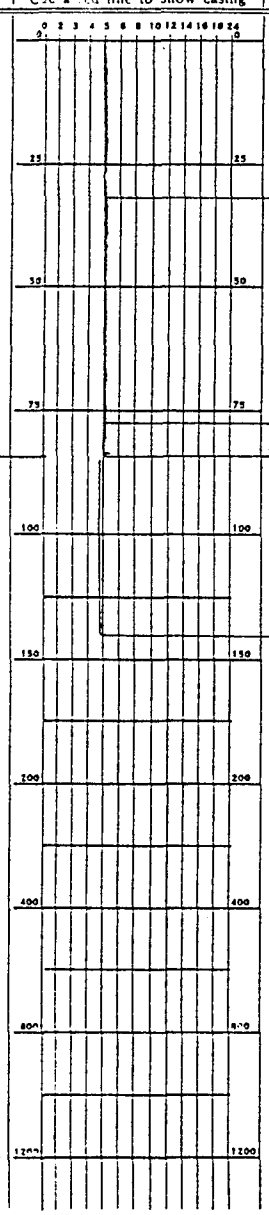
If Subdivision Name Milwaukee County Lake Twp. 28 Sec. Lot Blk. Street

If Farm County Twp. Sec. Highway

If School County Twp. Sec. District

If other public building Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
82' of 5" Steel drive pipe down 81'		0' TO 30' Clay	Duration of test. Hours 5
		30' TO 77' Stony Clay	Pumping Rate. G. P. M. 10
5" Forged shoe		77' TO 81' Soft rock	Depth of pump in well. Ft. 100
		81' TO 142' Lime rock	Standing water-level (from surface.) Ft. 10
			Water level when pumping Ft. 100
			Water. End of test. Check: Clear ✓ Cloudy Turbid
			Was well sterilized before test? Yes ✓ No Date 11/11/38
			To which Laboratory was sample sent? Kenosha Date 11/12/38
			Was the well sealed on completion? Yes hand pump with seal No
			How high did you leave casing above grade? 8"
			Well was completed 11/12 1938
			Well Driller: W J Schiske Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

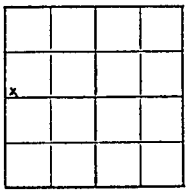
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the campass. See Part III of Code for specimen Diagram.

REMARKS: Report blasting and unusual items in this space:

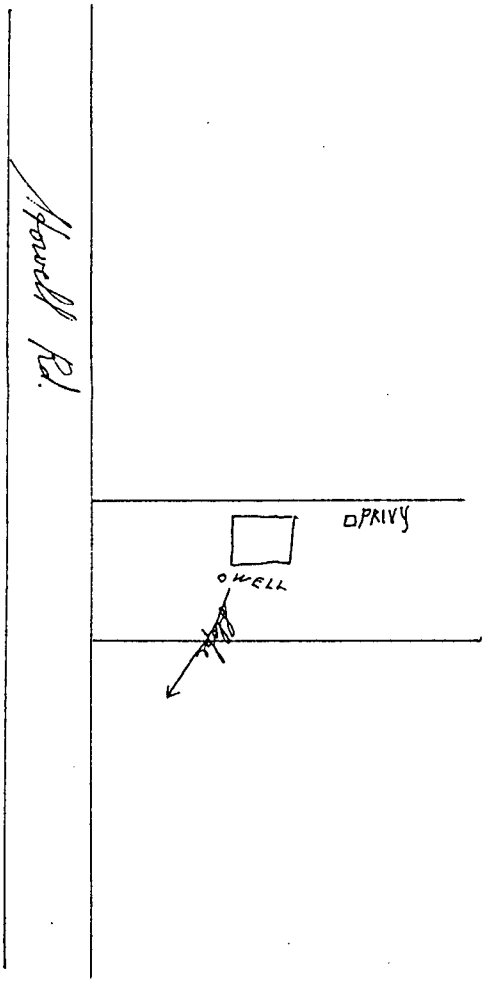
The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

NORTH

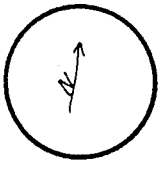


Sec. 28 T. 6 R. 22 (E) (~~W~~) (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more.
Send remittance with order to State Board of Health, Well Drilling Division, Madison.

County ..... Twp. ..... Sec. .....

(Office Record—Do not fill in)

NE SEC 28 T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Joe Swiderski's (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address 1163 E Carpenter Ave. (City, village, township, county)

Driller L L May

Address R-1 Cudahy Wis.

Date of Report Oct 22 1937

Registration No. 392

Give below the location of the property on which well is drilled.

If incorporated village or city: Town of Lake (Name) Lot ..... Blk. ..... Street and No. .....

If unincorporated hamlet ..... (Name) County ..... Twp. ..... Highway .....

If Lake Shore Plat ..... (Name of Plat) Lake ..... Lot ..... Blk. ..... Street .....

If Farm ..... County ..... Twp. ..... Sec. ..... Highway .....

If School ..... County ..... Twp. ..... Sec. ..... District .....

If other public building ..... (Kind) County ..... Twp. ..... Sec. .....

Miscellaneous Private (Kind) Milwaukee (County) Twp. ..... Sec. .....

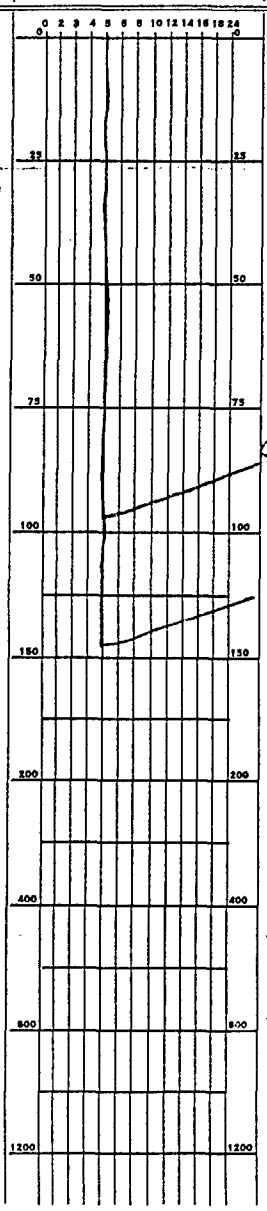
WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.

5" Water Well casing

5" Forged Steel Drive Shoe

WELL DIAGRAM
Vertical Lines = in. Dia.
Horizontal Lines = ft. Depth



Give depth of formations in feet. State if dry or water bearing.

Record of FINAL Pumping Test

Duration of test. Hours 5

Pumping Rate. G. P. M. 9

Depth of pump in well. Ft. 54

Standing water-level (from surface.) Ft. 40

Water level when pumping Ft. 40

Water. End of test. Check:
Clear ✓
Cloudy ____
Turbid ____

Was well sterilized before test?
Yes ✓ No ____
Date ____

To which Laboratory was sample sent?
Oshkosh
Date ____

Was the well sealed on completion?
Yes ✓ No ____

How high did you leave casing above grade?
1 ft

Well was completed ____ 1937

Well Driller:
L L May
Signature.

(Be sure to complete the report on the reverse side)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OCT 21 1947

1. County Oneida. Town ~~Village~~ ~~City~~ Lake

2. Location (Sec 28-29 T6N R22E)

3. Owner or Agent Pete Otto

4. Address Howard Ave. 1 Mile N. of Tomahawk

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10"	0	50
6"	50	154

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	weld	0	149
6"	weld		

9. GROUT:

Kind	From (ft.)	To (ft.)
Cement		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Topsoil-red clay	0	24
blue clay	24	85
sand	85	88
stony blue clay	88	98
hard pan	98	122
limestone	122	154

11. MISCELLANEOUS DATA:

Yield test: 2 Hrs. at 10 GPM.

Depth from surface to water: 60 ft.

Water-level when pumping: 90 ft.

Water sample sent to laboratory at Marshfield on 11/24/46 19____

Signature L. F. Hay
Registered Well Driller

Construction of the well was completed on 11/26/46 19____

The well is terminated 2 ft. inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ____ No ____

Was the well sealed watertight upon completion? Yes ____ No ____

R 1 - Tomahawk
Complete Mail Address

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

OCT 21 1947

1. County Milw. { Town ~~Village~~ ~~City~~ of Lake

2. Location Sec 32-33 T6N R22E

3. Owner or Agent Mrs. Carson

4. Address 3 blocks north of College on Howell

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10"	0	70
6"	70	113
	gravel & rock	

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6"	pipe	0	113

9. GROUT:

Kind	From (ft.)	To (ft.)
mud		

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
top soil-red clay	0	21
blue clay &	21	70
gravel & sand	70	72
blue clay	72	108
hardpan	108	113

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 10 GPM.

Depth from surface to water: 40 ft.

Water-level when pumping: 45 ft.

Water sample sent to laboratory at Kenosha on 5/9/47 19____

Construction of the well was completed on 5/9/47 19____

The well is terminated 4 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature L. L. May
Registered Well Driller

R #1 - Cudahy
Complete Mail Address

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

NOV 16 1943

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Louis Hemmer — Driller Arber & Krumm

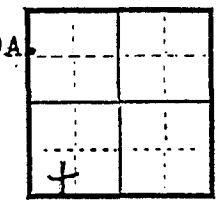
Street or RFD 402 E. College Ave. — Post Office Milwaukee Wisconsin

Post Office So. Milwaukee Wisconsin — Date Jan. 22, '41 — Permit No. 36

LOCATION OF PREMISES

Milwaukee (County) — Lake (Town)

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SW

The W. 293 1/3 Ft. of the E. 15 A. of W. 1/2 of S. 60A.
Describe further by subdivision, plat, district, lake, lot,

of S.W. 1/4 Sec. 33 T. 6 N. R. 22 E.
block, nearest principal highway, etc., whichever apply.

Wis. Highway 38, and College Ave.

6300 So Howell

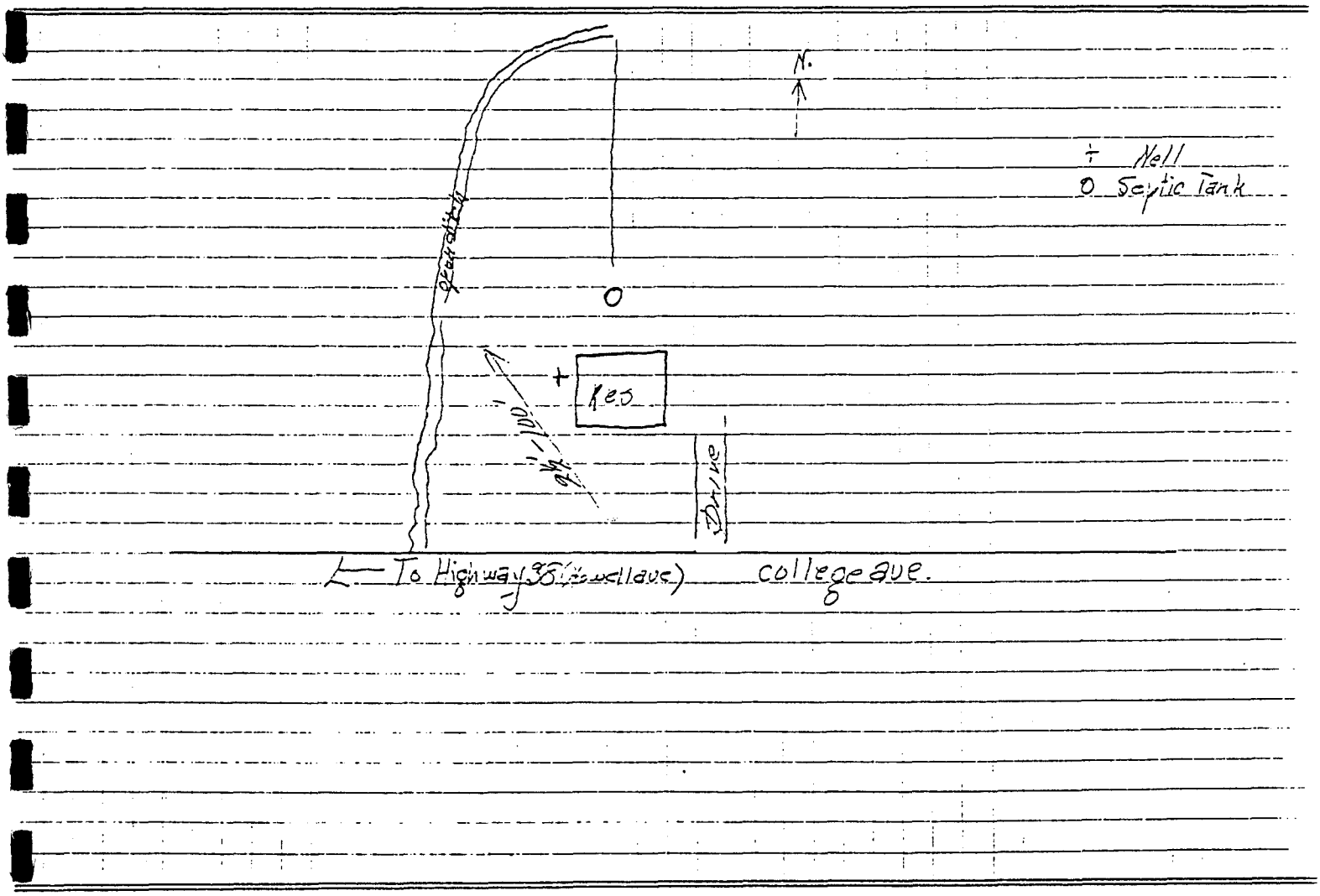
Sec. 33

Twp. 6N.

Range 22 { E / W }

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test

In this column indicate the kind of casing, liner, shoe and other accessories used:

119 ft., 6 in.
6" & 5" Std. wrought steel pipe

forged steel Shoe 118 ft. 6 in.

▌ = pipe

| = Drill hole

S = Clay grout

WELL DIAGRAM — Use a red line to show casing or liner pipe. Use black for drill or borehole.

Inches Diameter: 2 3 4 5 6 8 10 12 14 16 18

Depth		
	Grade	
18	fill Topsoil Clay	18
25		
32	Sandy clay	14
50		
75		
88	Clay	38
92	Sand & Gravel	12
100		
104	Clay	12
118	Gravel	14
132	Limestone Crev. "WB"	14 ft.
150		
200		
400		
800		
1200		

Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Record of FINAL Pumping test

Duration of test
Hours 2½

Pumping rate
G.P.M. 15

Depth of pump in well. Ft. 54

Standing water-level (from surface)
Ft. 33

Water-level when pumping Ft. 33

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha

Date 1-22-41

Was the well sealed on completion?
Yes ✓ No

How high did you leave casing-pipe above grade?
18 in.

Well was completed
Date 1-22-41

Well Driller
B. Baxter
Signature

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (SW,SW,SW,Sec 33,T6NR22E) Town ☐ Village ☐ City ☐ City of Milwaukee — Check one and give name

2. Location 6280 So Howell Mil Wis
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☐ or Agent ☐ John J. Steinmen Contractor Builder
Name of individual, partnership or firm

4. Mail Address 2618 South 4th St Milwaukee Wis
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

RECEIVED MAY 3 1955 ENVIRONMENTAL SANITATION

6. Well is intended to supply water for: Filling Station

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	20	170			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard std pipe	0	120

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cutting	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Black soil	0	1
yellow clay	1	16
sandy clay	30	46
blue clay	70	116
hard pan	4	120
Lime stone	50	170

Construction of the well was completed on: April 23 1955

The well is terminated 6 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 7 Hrs. at 15 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 55 ft.

Water sample was sent to the state laboratory at: Madison (City) on April 24 1955

Signature Casimer Szydlowski (Registered Well Driller) 7570 So Howell Mil 7 Wis (Complete Mail Address)

Please do not write in space below

Rec'd APR 28 1955 No. 9616

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.	0				
Confirm					
B. Coli	0/5				

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED JUL 10 1950 STATE BOARD SANITARY ENG.

1. County Milwaukee (Town ☑ / Village ☐ / City ☐) Lake — Check one and give name
SW SE SW Sec 33 T6N R22E
2. Location 460 E College Ave.
Name of street and number of premise or Section, Town and Range numbers
3. Owner ☑ or Agent ☐ John Rybicki
Name of individual, partnership or firm
4. Mail Address 460 E Rybicki
Complete address required
5. From well to nearest: Building 10 ft; sewer 25 ft; drain 15 ft; septic tank - ft; -
dry well or filter bed - ft; abandoned well - ft.
6. Well is intended to supply water for:

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	25			
6	25	125			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel	0	123

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled Clay	0	25

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	70
Stony Clay	70	85
Sand & gravel	85	~~126~~ 123
Limestone	123	125

Construction of the well was completed on:
June 26 19 50

The well is terminated 6 inches
☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes ✓ No

Was the well sealed watertight upon completion?
Yes ✓ No

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 35 ft.

Water-level when pumping: 40 ft.

Water sample was sent to the state laboratory at:
Kenosha City on June 27 1950

Signature W. L. Lehke R.L. — Registered Well Driller
845 - 56th St - Kenosha 14 - Wis — Complete Mail Address

Please do not write in space below

Rec'd 6-28-50 No. 10190

Ans'd 6-30-50

Interpretation Negative

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	+	+	+	-	0
48 hrs.	+	+	+	-	+
Confirm					
B. Coli					

Examiner

JUL 2 19

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town / Village / City } Lake
   SW,SE,SW, Sec 33 T6N R 22E
2. Location ~~422 East College~~ Ave.
3. Owner ~~or Agent~~ Henry Kettner
4. Address 422 East College Ave. Milwaukee, Wis.
5. From well to nearest: Building 5 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft. Moved House Incomplete
6. Well is intended to supply water for: Residence

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
~~10~~ 6	~~0~~ 40	~~40~~ 126

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std. Wt. Steel pipe	~~0~~	~~124~~

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddled clay	0	40

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Clay	55	55
Sandy Clay	60	115
~~Sand~~	~~7~~	~~122~~
Rock	4	126

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 20 GPM.

Depth from surface to water: 32 ft.

Water-level when pumping: ~~40~~ ft.

Water sample sent to laboratory at Kenosha on June 25 1946

Signature W. L. Lehke
Registered Well Driller W. L.

Construction of the well was completed on June ~~24~~ 12 1946

The well is terminated ____ inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

845 So.85th. St.
Complete Mail Address

West Allis 14- Wis.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

AUG 24 1945

1. County Milwaukee ~~Town~~ ~~Village~~ ~~City~~ Lake

2. Location 6227 So. Pine Ave. SE SE SW Sec 33 T6N R22E

3. Owner or ~~Agent~~ Kenneth Willms

4. Address ~~6227 So. Pine Ave. Cudahy, Wis~~

5. From well to nearest: Building 8 ft; sewer - ft; drain - ft; septic tank - ft; dry well or filter bed - ft; abandoned well - ft. Privy 40 Ft.

6. Well is intended to supply water for: Home

7. **DRILLHOLE OR EXCAVATION:**

Dia. (in.)	From (ft.)	To (ft.)
10	0	30

8. **CASING AND LINER PIPE OR CURBING:**

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Std Wt Q Steel pipe	0	118

9. **GROUT:**

Kind	From (ft.)	To (ft.)
Puddled clay	0	30

10. **FORMATIONS:**

Kind	Thickness (ft.)	Total Depth (ft.)
~~Red clay~~	~~12~~	~~12~~
Blue clay	37	49
Sandy	60	~~49~~ 109
~~Hard pan~~	~~5~~	~~114~~
Broken lime	4	118
Limestone	21	139

11. **MISCELLANEOUS DATA:**

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: ~~34~~ 45 ft.

Water-level when pumping: - ft.

Water sample sent to laboratory at Kenosha on June 28 19 45

Construction of the well was completed on June 28 19 45

The well is ~~terminated~~ 8 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes * No

Was the well sealed watertight upon completion? Yes * No

Signature W. L. Lehrke Co
Registered Well Driller

Grace Lehrke

845 - So 85 St.
Complete Mail Address.

West Allis, 4 - Wis

AUG 21 1947

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ~~Village~~ ~~City~~ Lake

2. Location 6001 So. Pine Ave. SE, NE, SW, Sec 33 T6N R22E

3. Owner or Agent David Schutz

4. Address 6001 So. Pine Ave. Milwaukee, Wis.

5. From well to nearest: Building 15 ft; sewer 15 ft; drain 15 ft; septic tank 50 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Private Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
10	0	25
6	25	127

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Weight		
	Steel Pipe	0	98

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill Cuttings	0	25

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Blue Clay	40	40
Stoney Clay	53	93
Hard Pan	4	97
Lime Rock	30	127

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water: 22 ft.

Water-level when pumping: 25 ft.

Water sample sent to laboratory at

_____ on _____ 19____

Construction of the well was completed on 7/3/47 19____

The well is terminated 6 inches (above) ~~(below)~~ the permanent grade.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

Signature Myron Acker & Sons
Registered Well Driller

Myron H. Acker

9310 W. Coldspring Rd. Milw. 14 Wis.
Complete Mail Address

County Milwaukee Twp. Lake Sec. 33 T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner Frank Michalski (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address Town of Lake, Milwaukee Co. (City, village, township, county)

Driller Gehrke Bros.

Address 845 Lo 85 St, West Allis, Wisc

Date of Report July 2 1938

So. Howell Rd & W. Birchwood Ave Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: Name ____ Lot ____ Blk. ____ Street and No. ____

If unincorporated hamlet ____ Name ____ County ____ Twp. ____ Highway ____

If Lake Shore Plat ____ Name of Plat ____ Lot ____ Blk. ____ Street ____

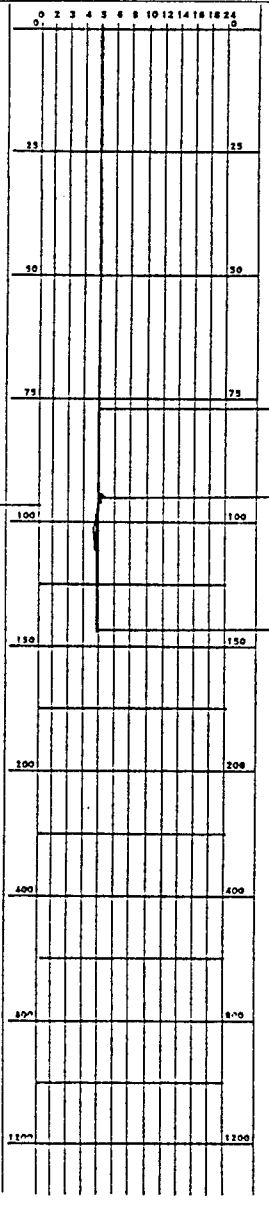
If Subdivision ____ Name ____ Milwaukee County ____ Lake Twp. 33 Sec. ____ Lot ____ Blk. ____

If Farm ____ County ____ Twp. ____ Sec. ____ Highway ____

If School ____ County ____ Twp. ____ Sec. ____ District ____

If other public building ____ Kind ____ County ____ Twp. ____ Sec. ____

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth Use a red line to show casing	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
96' of 5" steel drive pipe down 95'		0' TO 80 Clay	Duration of test. Hours 4
			Pumping Rate. G. P. M. 15
			Depth of pump in well. Ft. 80
			Standing water-level (from surface.) Ft. 30
			Water level when pumping Ft. 80
		80' TO 94' Stony Clay	
5" Forged shoe			Water. End of test. Check: Clear ✓
			Cloudy ____
		94' TO 141' Lime rock	Turbid ____
			Was well sterilized before test? Yes ✓ No ____
			Date 6/12/38
			To which Laboratory was sample sent? Kenosha
			Date 6/13/38
			Was the well sealed on completion? Yes ✓ No ____
			How high did you leave casing above grade? -1' above grade
			Well was completed 6/13 1938
			Well Driller: W. L. Gehrke Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

(See Rules)

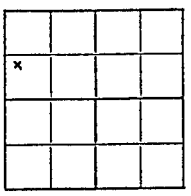
Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the campass. See Part III of Code for specimen Diagram.

REMARKS: Report blasting and unusual items in this space:

Place not completed

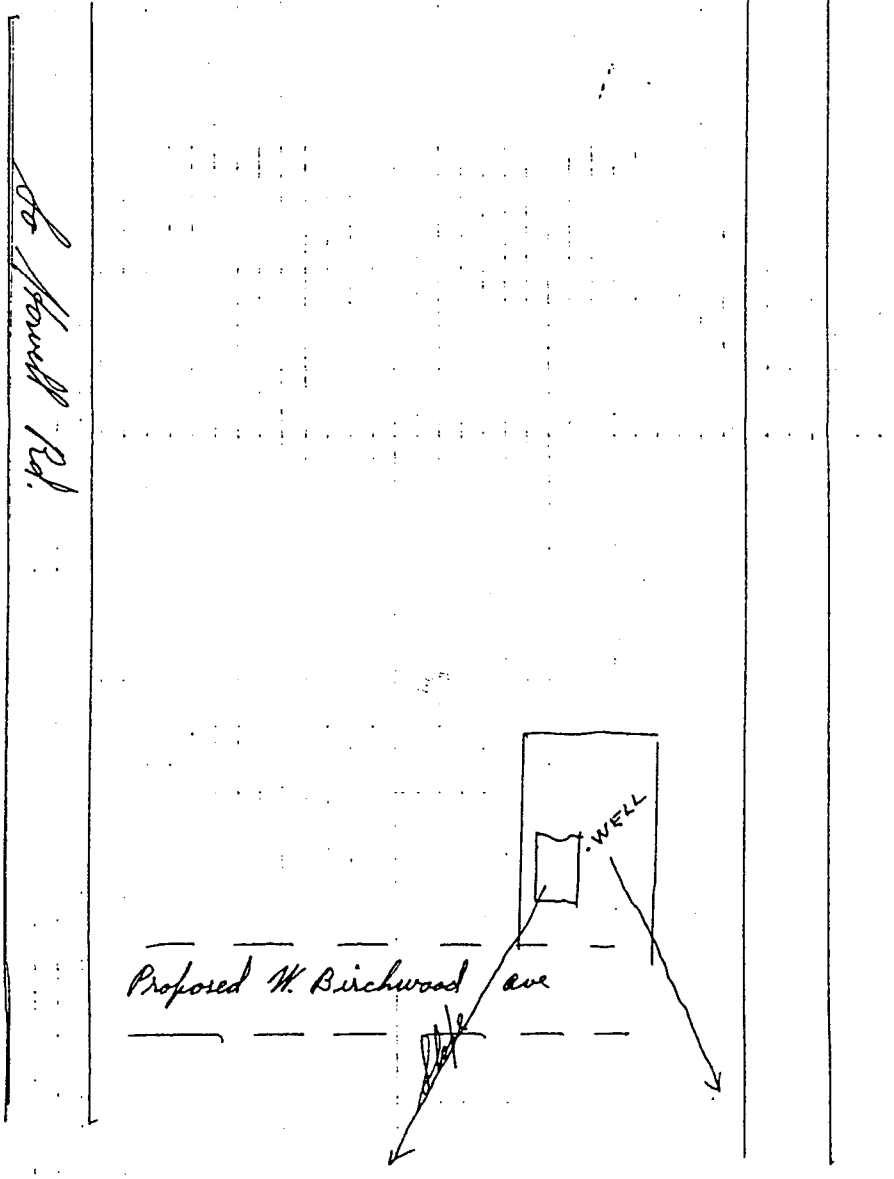
The large square represents one Section of land divided into 40 A. tracts. Indicate position of premises in the Section.

NORTH

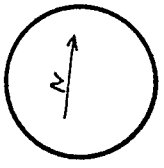


Sec. 33 T. 6 R. 21 (E) ~~(W)~~ (Each division equals 10') (If more or less indicate: .....)

DRAW PREMISES DIAGRAM BELOW.
(See Sec. 32 and Illustrations Part III Well Drilling Code)



Show in circle the "North" Direction of the Diagram.



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

OCT 11 1940

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Albert Schauer — Driller Lehrke Bros ✓

Street or ~~RED~~ 3139 So. Mabbot Ave — Post Office 845 So. 85th W. Allis

Post Office Milwaukee Wis. — Date Sept. 24, 1940 Permit No. 44

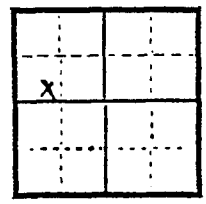
LOCATION OF PREMISES

Milwaukee (County) — Lake (Town)

2 Blks East of So. Howell Rd.
Describe further by subdivision, plat, district, lake, lot,

and ½ mile So of Orange.
block, ~~nearest~~ principal highway, etc., ~~whichever~~ apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



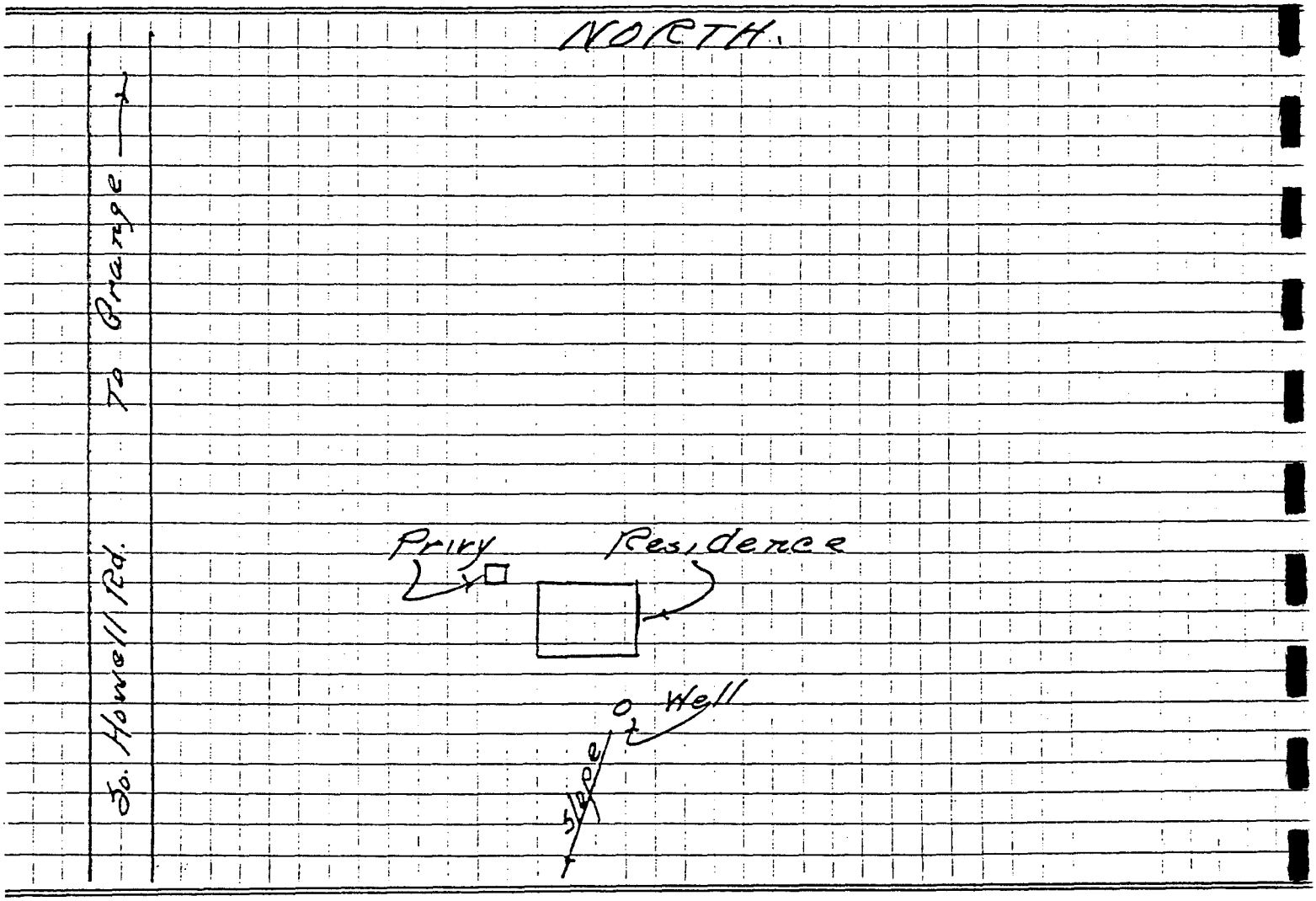
Sec. 33 SWNW

Twp. 6

Range 22 { E W

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
Std. Wt. Steel Pipe Drillers. Special	Inches Diameter 2 3 4 5 6 8 10 12 14 16 18	Depth	
		8 — Red Clay - 8'	Duration of test Hours 5
		19 — Blue Clay - 31'	Pumping rate G.P.M. 15
		37	Depth of pump in well. Ft. 70
		50 — Stony Blue Clay - 19'	
		56	Standing water-level (from surface) Ft. 38
		75 — Soft Sandy Blue Clay - 37'	Water-level when pumping Ft. 55
		93	Water. End of test.
		100 — Hard pan - 10'	Clear ✓
		103	Cloudy
Forged Steel Drive Shoe		104 — Limestone - 47' (water bearing)	Turbid
		150	Was the well sterilized? Yes ✓ No
		200	To which laboratory was sample sent? Kenosha Date Aug. 29 '40
		400	Was the well sealed on completion? Yes ✓ No
Key; Casing Pipe Drillhole Mud Grout.		800	How high did you leave the casing-pipe above grade? 6"
		1200	Well was completed Date Aug. 29 '40
	Draw the diagram to show the right half only		Well Driller Schrake Brothers Signature S.S.

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

JAN 31 1944

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner St Stephens Church Driller J W Trenchetto

Street or RFD Howell ave Post Office Cudahy

Post Office Sta D., Milwaukee Date _____ Permit No. 45

LOCATION OF PREMISES

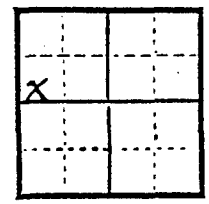
Milwaukee County Lake Town

_____
Describe further by subdivision, plat, district, lake, lot,

_____
block, nearest principal highway, etc., whichever apply.

Alt 5900

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



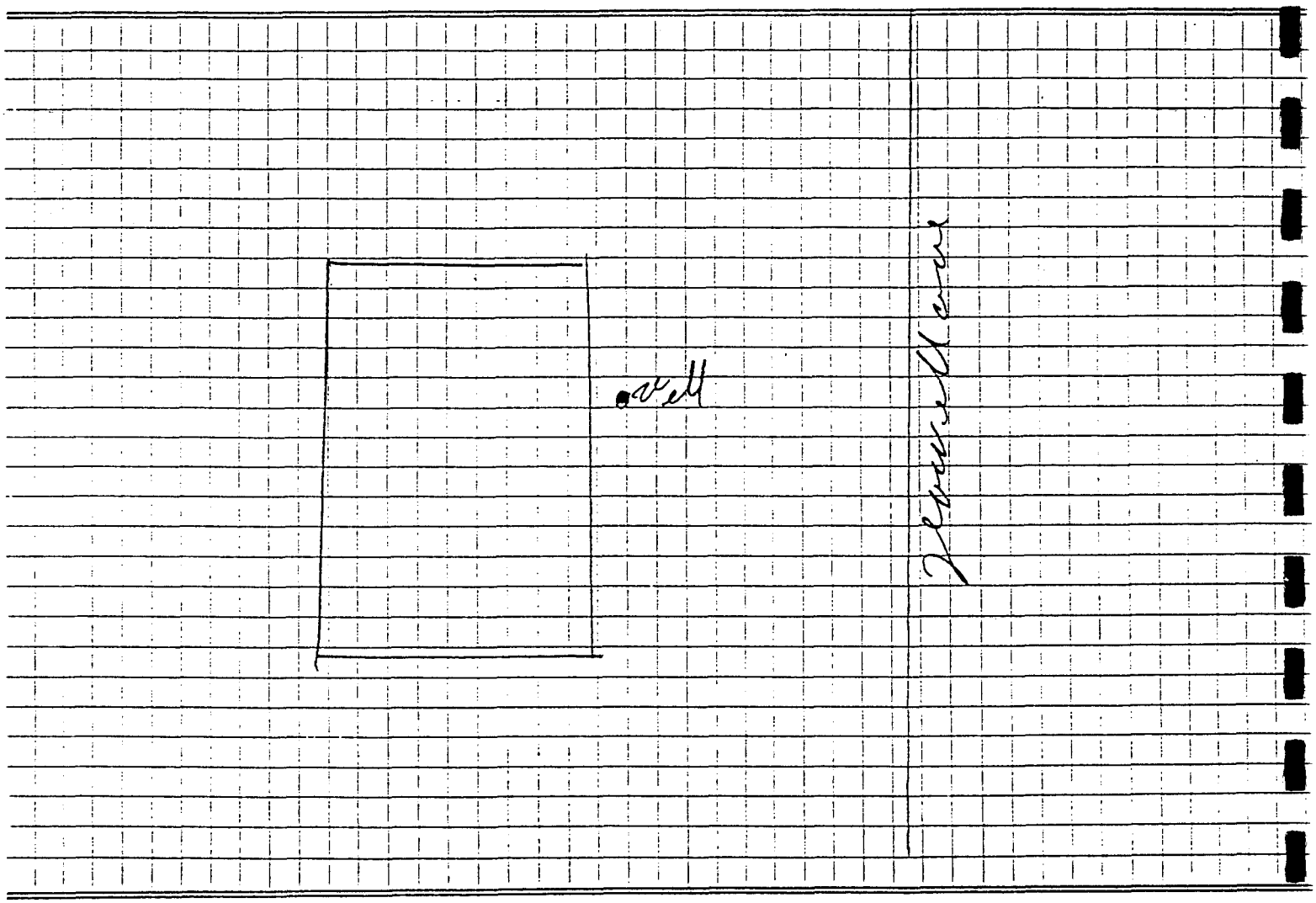
Sec. 33

Twp. 6

Range 22 E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.

" w w

Forged Steel Shoe

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.

Inches Diameter
2 3 4 5 6 8 10 12 14 16 18

Depth

25
75
100
150
200
400
800
1200

Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

top soil & yellow clay 7'
18' B clay
~~30~~ 15' sand
~~82~~ 42' B clay
~~98~~ 16' sand & gravel
98'

Record of FINAL Pumping test

Duration of test
Hours 10

Pumping rate
G.P.M. 10

Depth of pump in well. Ft. 30

Standing water-level (from surface)
Ft. 22

Water-level when pumping Ft. 22

Water. End of test.
Clear Clear
Cloudy
Turbid

Was the well sterilized?
Yes X No

To which laboratory was sample sent?
Kenosha
Date

Was the well sealed on completion?
Yes X No

How high did you leave the casing-pipe above grade?
10"

Well was completed
Date 11-2-41

Well Driller
Knute
Signature

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

DEC 6 194

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner John Omezarski Driller Lehrke Bros.

Street or ~~RFD~~ 471 E. Brckwood Post Office 845 So. 85th W. Alle

Post Office Milwaukee, Wisc. Date Nov. 26, 1941 Permit No. 44

LOCATION OF PREMISES

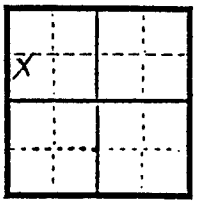
Milwaukee County — Lake Town

3 Blks. E. of So. Howell ave on.
Describe further by subdivision, plat, district, lake, lot,

No. Side of E. Brckwood
block, nearest principal highway, etc., whichever apply.

5600 So Jasper ST

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SW NW

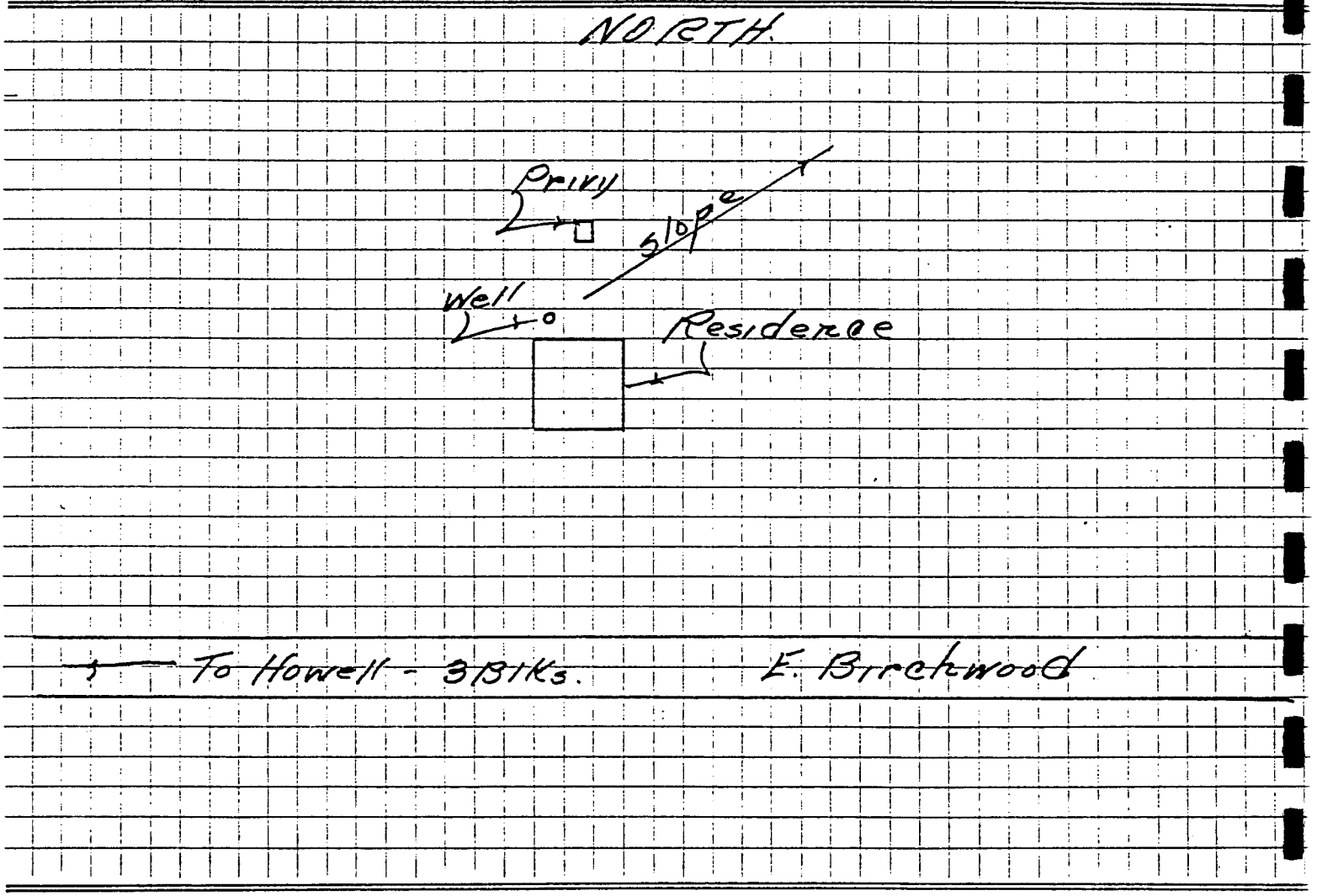
Sec. No. 33

Twp. No. 6

Range 22 { E / ~~W~~

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

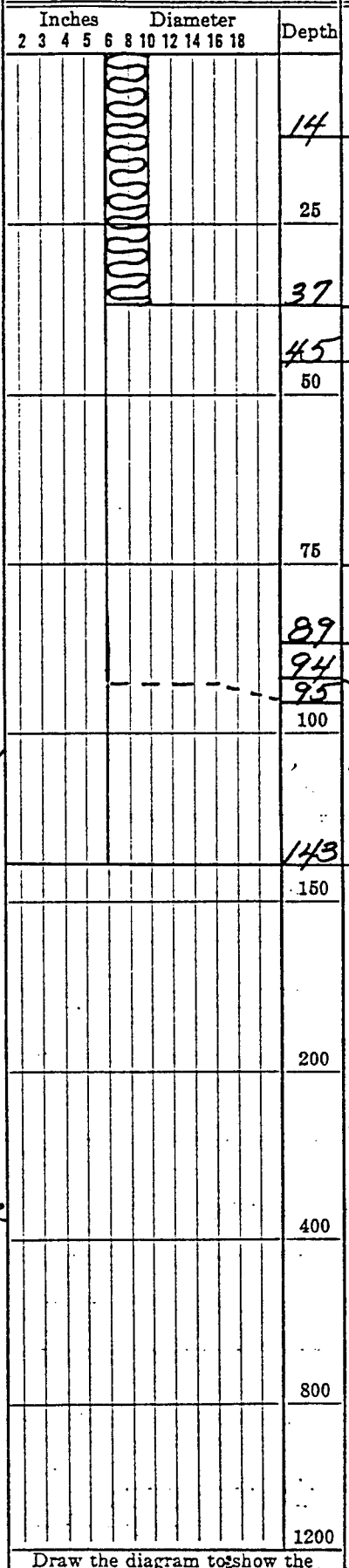
In this column indicate the kind of casing, liner, shoe and other accessories used.

Old. Wt. Steel Pipe Drillers Special

Forged Steel Drive Shoe

Key:
- = Casing pipe
- = Drillhole
- = Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Red Clay - 14'

Blue Clay - 23'

Sand - 8'

Sandy Blue Clay - 30'

Blue Clay - 14'

Broken Limestone - 5'

Limestone - 49' (Waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 7

Pumping rate
G.P.M. 20

Depth of pump in well. Ft. 40

Standing water-level (from surface)
Ft. 26

Water-level when pumping Ft. 28

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date 10/7/41

Was the well sealed on completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date 10/7/41

Well Driller
Lehrke Bros
Signature

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Spencer Heidrick. Driller Lehrka Bros

Street or RFD Howell + Grange Post Office 845-So. 85st-West Allis

Post Office Milwaukee Date July 2-41 Permit No. 44

LOCATION OF PREMISES

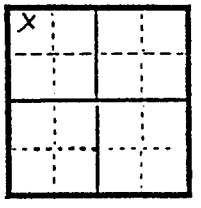
Milwaukee County Lake. Town

Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

Apt 5500 So Howell

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NWNW

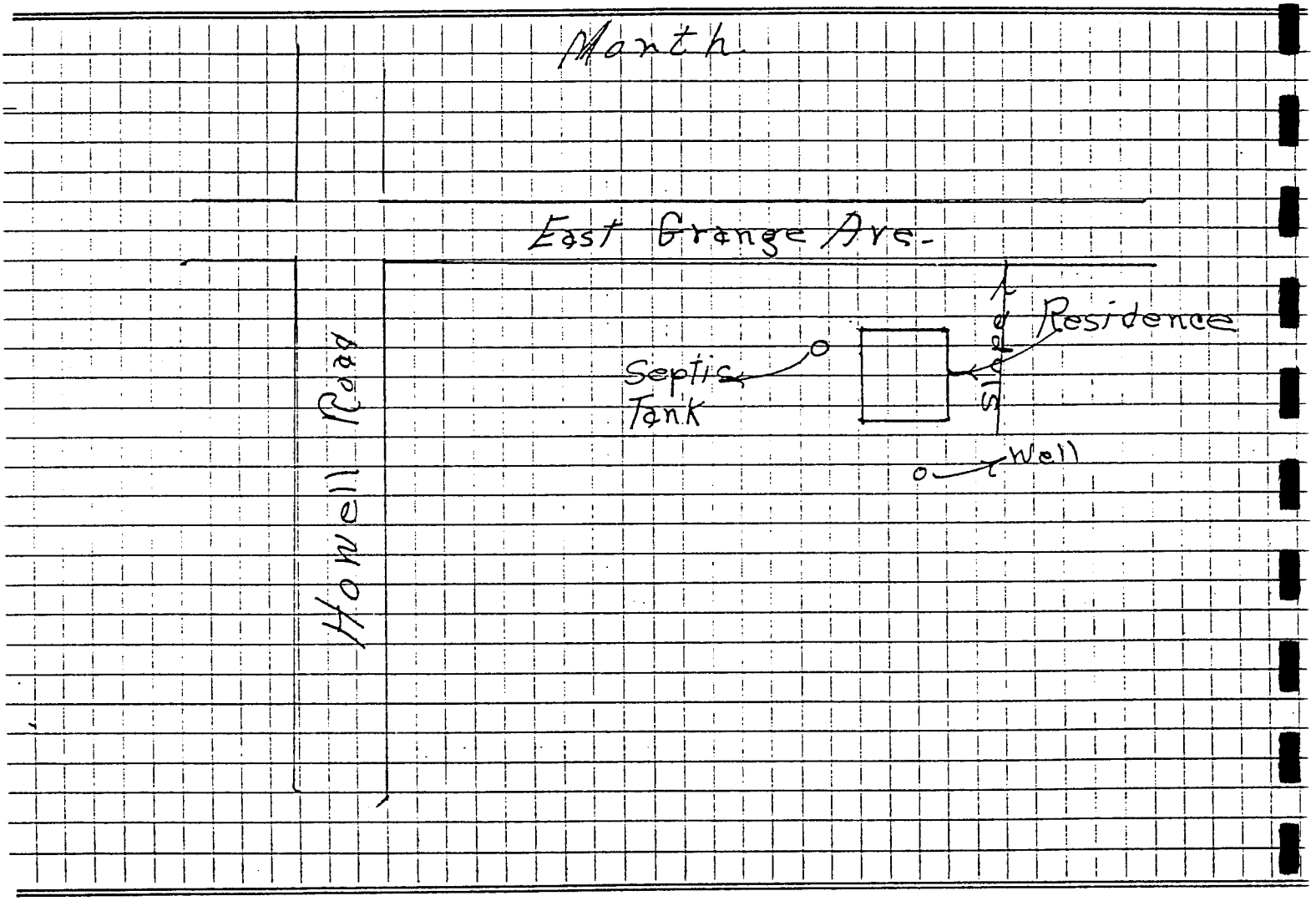
Sec. No. 33

Twp. No. 6

Range 22 { E W

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



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WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report," 7-5-1939.

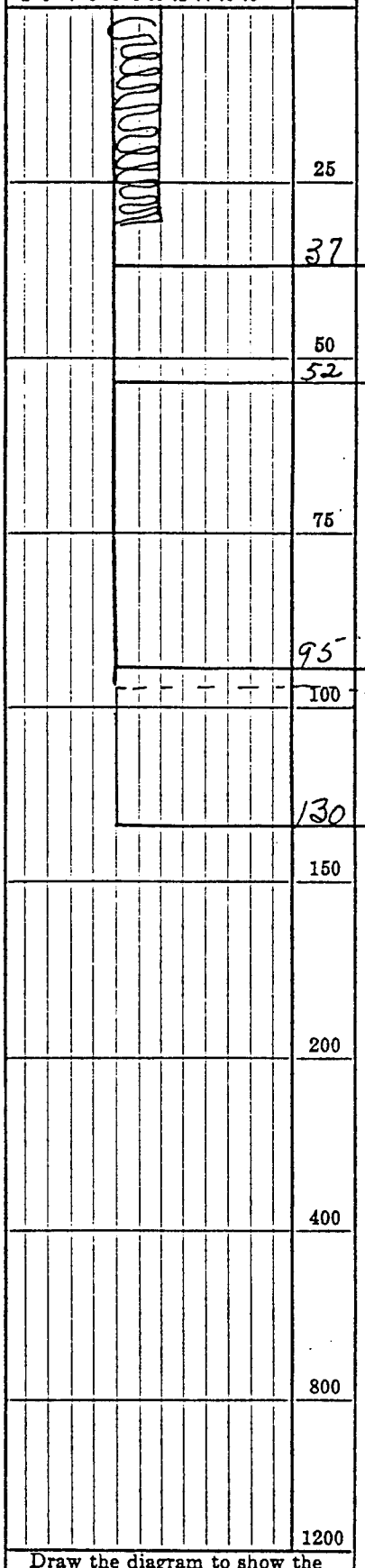
In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel Pipe Drillers Special

Forged Steel Drive Shoe

Key
= Casing Pipe
= Drillhole
= Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Clay 37'

Sand 15'

Blue Clay 43'

Rock 35'

Record of FINAL Pumping test

Duration of test Hours 5

Pumping rate G.P.M. 15

Depth of pump in well. Ft. 40

Standing water-level (from surface) Ft. 12

Water-level when pumping Ft. 22

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date 5-27-41

Was the well sealed or completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
8"

Well was completed
Date 5-27-41

Well Driller
Lehrke Bros
Signature G.L

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Arthur Goetz — Driller M. Rebar & Sons

Street or RFD ____ — Post Office R. 4 West Allis

Post Office ____ — Date 5/28/41 — Permit No. 90

Abt 5500 So Howell

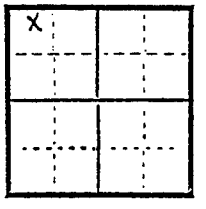
LOCATION OF PREMISES

Milwaukee (County) — Lake (Town)

On Grange Ave one block east of Howell Ave on south side of Grange

Describe further by subdivision, plat, district, lake, lot, block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



NWNW

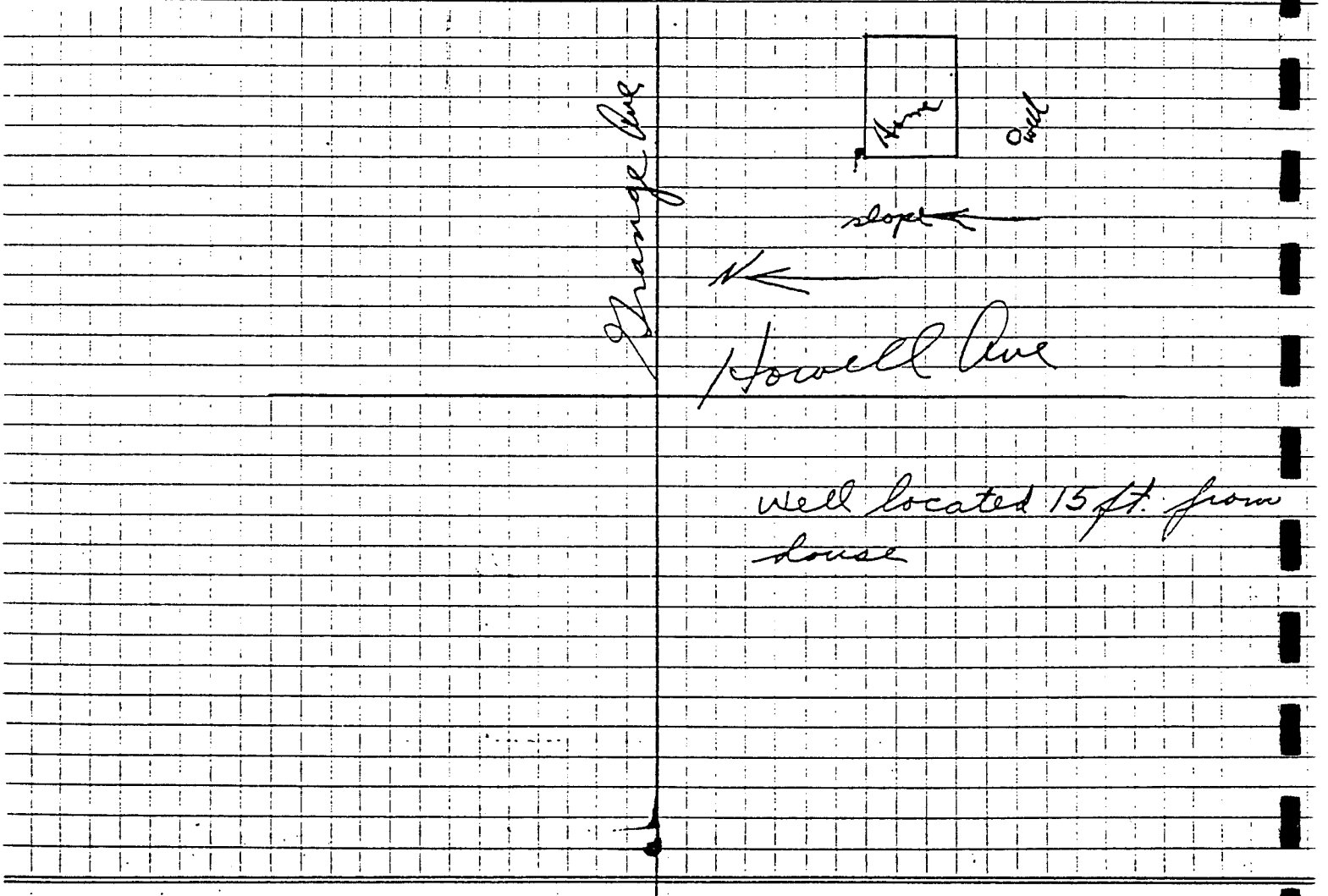
Sec. 33

Twp. 6

Range 22 E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG and REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test
28' Stdwt 6" pipe forged steel shoe	Inches Diameter 2 3 4 5 6 8 10 12 14 16 18	Depth	
		25 — 25' Red clay	Duration of test Hours 4
		50 — 50' Blue clay	Pumping rate G.P.M. 10
		75	Depth of pump in well. Ft. 60
		98 — 23' Hard sand & sand.	Standing water-level (from surface) Ft. 25
		100 — 25' fine rock water bearing	Water-level when pumping Ft. 65
		123	Water. End of test. Clear ✓ Cloudy Turbid
Key: ✓ = pipe drill hole ≈ grout		150	Was the well sterilized? Yes ____ No ____
		200	To which laboratory was sample sent? Madison Date 5/26/41
		400	Was the well sealed on completion? Yes ✓ No ____
		800	How high did you leave the casing-pipe above grade? 6"
		1200	Well was completed Date 5/26/41
	Draw the diagram to show the right half only		Well Driller Harvey Olson Signature

County Milw. Twp. Lake (Office Record—Do not fill in) Sec. 33 (NE¼NW¼) T6N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner CHAS. SMITH (If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address TOWN OF LAKE (City, village, township, county)

Driller THEODORE WATRY

Address RT 1, BOX 335 CUDAHY, WIS.

Date of Report 4/1 1937

Registration No. 44

Give below the location of the property on which well is drilled.

If incorporated village or city: ____ Name ____ Lot ____ Blk. ____ Street and No. ____

If unincorporated hamlet ____ Name ____ County ____ Twp. ____ Highway ____

If Lake Shore Plat ____ Name of Plat ____ Lake ____ Lot ____ Blk. ____ Street ____

If Farm ____ County ____ Twp. ____ Sec. ____ Highway ____

If School ____ County ____ Twp. ____ Sec. ____ District ____

If other public building ____ Kind ____ County ____ Twp. ____ Sec. ____

Miscellaneous Suburbans Kind, Milw County, Lake Twp., 33 Sec.

WELL LOG and REPORT

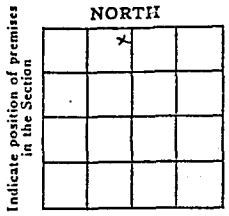
Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
108 ft. 8 in. Steel Drive Pipe down 108 ft.	0 2 3 4 5 6 8 10 12 14 16 18 24	TOP SOIL & RED CLAY 0 - 15 ft.	Duration of test. Hours 4
	25	BLUE CLAY 15 - 47 ft.	Pumping Rate. G. P. M. 30
	50	SAND & SOME WATER 47 - 59 ft.	Depth of pump in well. Ft. 60
	75	STONY BLUE CLAY 59 - 107 ft.	Standing water-level (from surface.) Ft. 19
FORGED SHOE 5"	100	LIME STONE 107 - 122 ft.	Water level when pumping Ft. 30
	150		Water, End of test. Check: Clear ✓ Cloudy ____ Turbid ____
	200		Was well sterilized before test? Yes ____ No ✓ Date ____
	400		To which Laboratory was sample sent? Madison Date 3/13/37
	800		Was the well sealed on completion? Yes ✓ No ____
	1200		How high did you leave casing above grade? 8"
			Well was completed 3/13 1937
			Well Driller: Theodore Watry Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

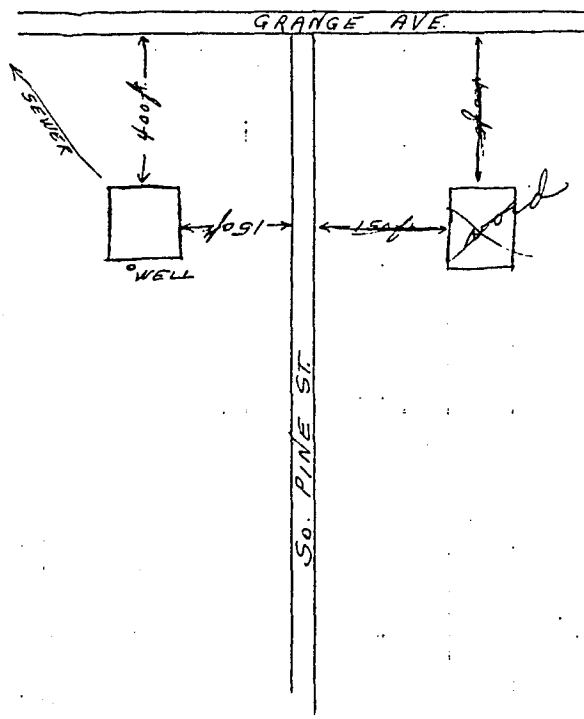
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS:



Sec. 33 T. 6 R. 22 (E) (W) (Each division equals 10') (If more or less indicate: .....)



Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

? NE, Sec. 33 T6N, R22E

1. County Milwaukee { Town ☒ / Village ☐ / City ☐ } of Lake — Check one and give name

2. Location 5834 So. Clement Ave. — Name of street and number of premise or Sec. Tn. and R. numbers

3. Owner ☒ or Agent ☐ W. Jablonowski. — Name of individual, partnership or firm

4. Mail Address Same — Complete address required

RECEIVED AUG 18 1949 BUREAU SAN. ENG.

5. From well to nearest: Building 15 ft; sewer 25 ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: ____

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)
10	0	20
6	20	78

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Standard Weight	0	78

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	78

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	12
Blue "	12	25
Sand	25	39
Gravel	39	41

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 10 GPM.

Depth from surface to water: 24 ft.

Water-level when pumping: 30 ft.

Water sample sent to laboratory at

____ on ____ 19____

Construction of the well was completed on Mar 2 19 45

The well is terminated ____ inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

Signature Clarence Acker
Registered Well Driller

3934 So. 41st West Allis Wis.
Complete Mail Address

Wel 6

SE Sec 34
6N R22E

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ Village ☐ City ☐ South Milwaukee (Check one and give name)

2. Location Lot No 12 Corner 15 Ave. E. College
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Cross of Christ Evangelical Lutheran,
Name of individual, partnership or firm

4. Mail Address 6 N. Range 22 East Sec. No. 34 S. of Church
Complete address required

5. From well to nearest: Building 20 ft; sewer 75 ft; drain 100 ft; septic tank 100 ft;
dry well or filter bed None; abandoned well None

6. Well is intended to supply water for: Church

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
7	25	110			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
7	Steel	0	110

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud	0	25

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Muddy Clay	0	30
Clay	30	70
Gravel	70	80
Clay	80	110
Rock	110	151

RECEIVED
APR 4 1962
SANITARY ENGINEERING

Construction of the well was completed on: 3-5 19 62

The well is terminated 10 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 45 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 50 ft.

Water sample was sent to the state laboratory at: Madison (City) on 3-27 19 62

Signature Irvl Johnson (Registered Well Driller) Muskego 2 Wis. (Complete Mail Address)

Please do not write in space below

Rec'd MAR 29 1962 No. 9680

Ans'd

Interpretation SAFE—BACTERIOLOGICALLY

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Edward Brandt Driller Lehrke Bros. ✓

Street or RFD 1402 W. Manitoba Post Office ~~845 So. 85th~~ West Allis

Post Office Milwaukee Date June 20, 1940 Permit No. 44

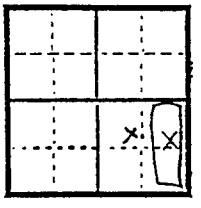
LOCATION OF PREMISES

Milwaukee County — Lake Town

1/2 Mile-North of College Ave.
Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



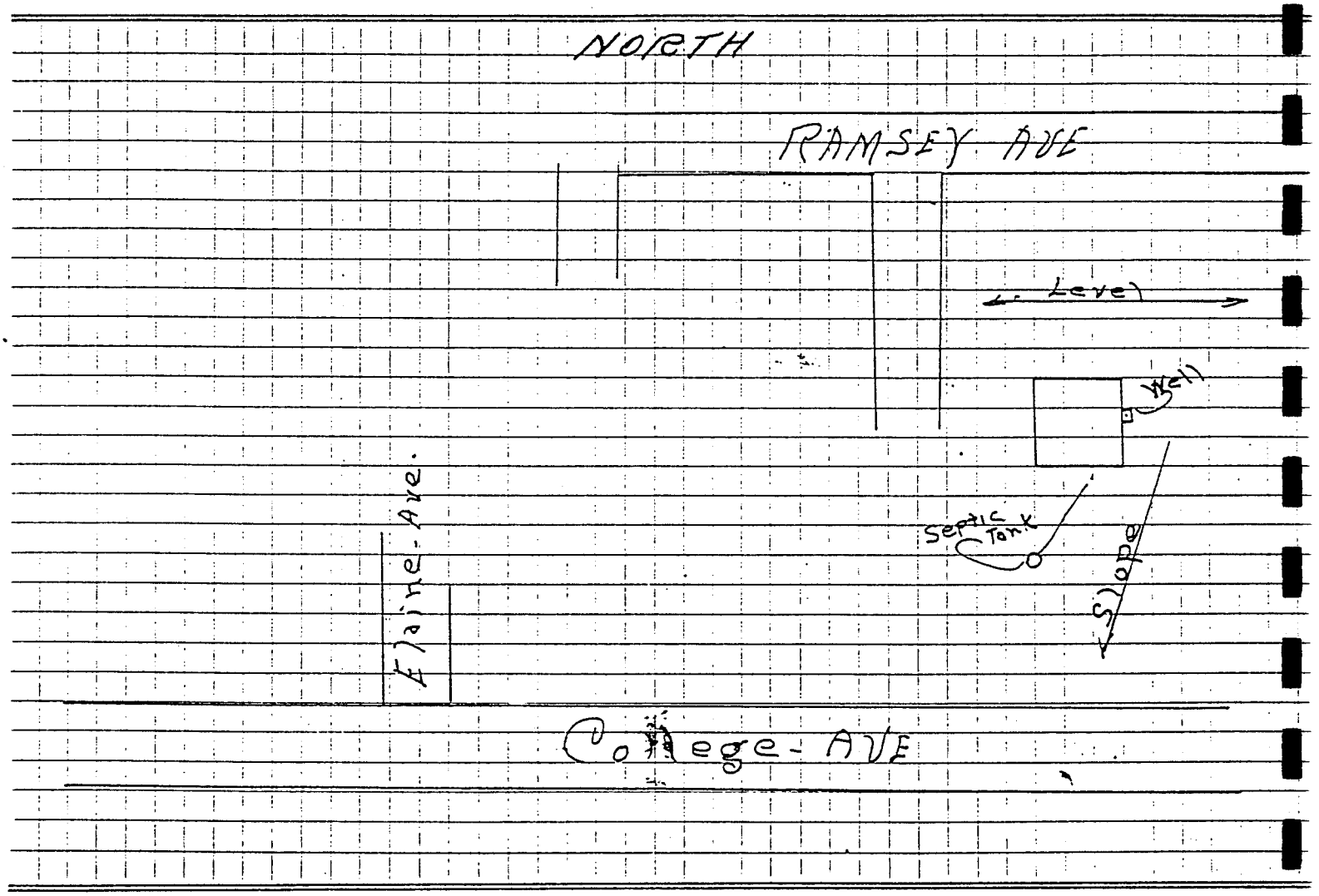
Sec. ~~35~~ E ½ S

Twp. 6

Range 22 { E / ~~W~~

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test

Std. Wt. Steel Pipe Drillers Special

Forged Steel Drive Shoe

key:
=Casing pipe
=Drill hole
=Mud Grout

Inches Diameter 2 3 4 5 6 8 10 12 14 16 18

Depth: 9, 20, 25, 50, 68, 75, 76, 89, 100, 103, 114, 115, 145, 150, 200, 400, 800, 1200

Pit - 6'

Red Clay - 3'

Blue Clay - 59'

Stony Clay - 8'

Blue Clay - 13'

Sand - 14'

Hard Pan - 11'

Limestone - 31' (Waterbearing)

Draw the diagram to show the right half only

Duration of test
Hours 6

Pumping rate
G.P.M. 6

Depth of pump in well. Ft. 110

Standing water-level (from surface)
Ft. 45

Water-level when pumping Ft. 110

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha
Date June 20

Was the well sealed or completion?
Yes ✓ No

How high did you leave the casing-pipe above ~~grade~~?
6" Pit Flo

Well was completed
Date June 20 ¼

Well Driller
Lakeland Prod.
Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

MAR 18 1947

1. County Milwaukee { Town ~~XXX~~ / Village Lake / City ~~XXX~~

2. Location 2700 E. Collage ave. [SE¼NE¼ Sec 34 T6N R22E]

3. Owner ~~or Agent~~ Walter Janiszewski

4. Address ~~4548 S. Kansas St. Cudahy Wisc.~~ 2700 E. Collage Ave.

5. From well to nearest: Building 15 ft; sewer 28 ft; drain 15 ft; septic tank 60 ft; dry well or filter bed 60+ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE OR EXCAVATION:

Dia. (in.)	From (ft.)	To (ft.)
9	0	22
6	22	172

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Blk Std. W.D.	0	104

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill cuttings	0	22 ft.

10. FORMATIONS:

Kind	Thickness (ft.)	Total Depth (ft.)
Clay	~~28~~	28
Sand muddy	~~12~~	~~40~~
clay sandy	~~68~~	92
Gravelclay	12	104
Limestone crev. W.B. 68		172

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 15 GPM.

Depth from surface to water: 50 ft.

Water-level when pumping: ~~70 ft.~~ ft.

Water sample sent to laboratory at Kenosha on 7/19 19 45

Construction of the well was completed on July 19 19 45

The well is terminated 8 inches (above) (below) the permanent grade.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

Arber & Krumm

Signature E. P. Parker
Registered Well Driller

5807 W. Hampton Rd.
Complete Mail Address

Milwaukee 9 Wisconsin.

JUL 23 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner H. E. Swendson Driller Lehrke Bros.

Street or RFD 3616 E. Iona Ter. Post Office 845 So. 85th West Allis

Post Office Milwaukee, Wis. Date July 10, 1940 Permit No. 44

LOCATION OF PREMISES

Milwaukee (County) Lake (Town)

1 Blk. No. of College Ave

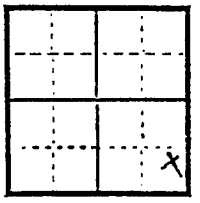
Describe further by subdivision, plat, district, lake, lot,

and 1 Blk. West of So.

block, nearest principal highway, etc., whichever apply.

Elaine

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



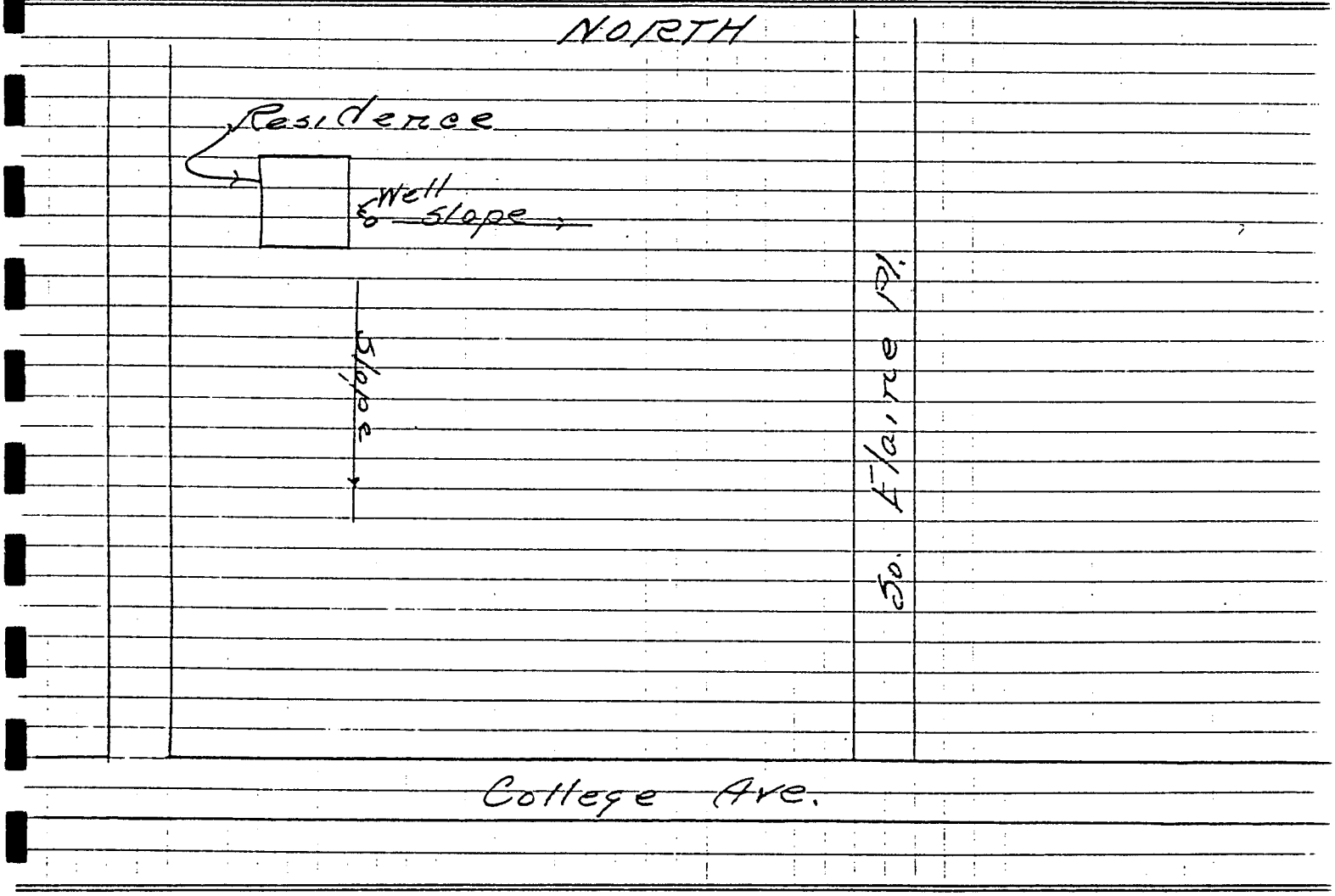
Sec. SESE 34

Twp. 6 N

Range 22 E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.



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WELL LOG *and* REPORT

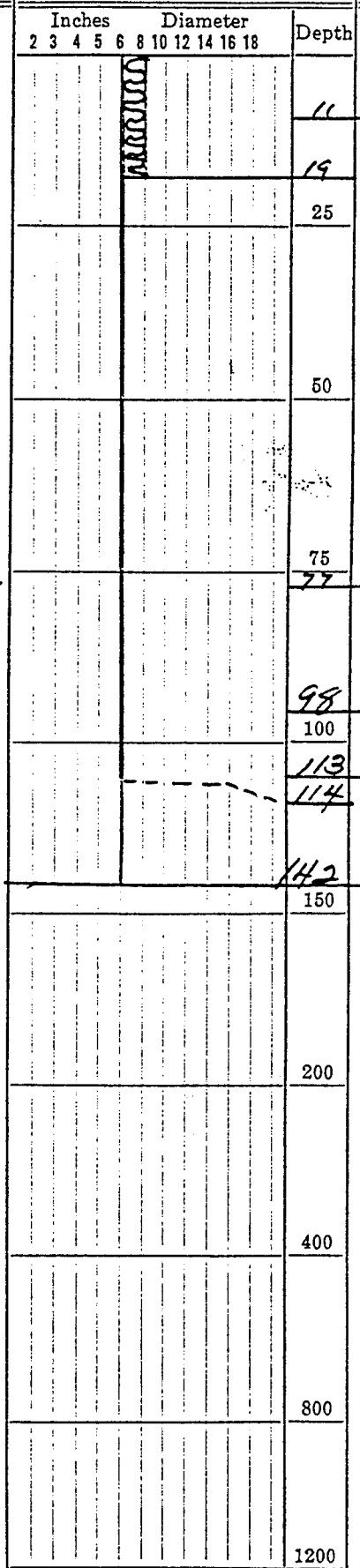
In this column indicate the kind of casing, liner, shoe and other accessories used.

Std. Wt. Steel Pipe Drillers Special

Forged Steel Drive Shoe

Key;
|=Casing pipe
|=Drillhole
SS=Mud Grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Red Clay - 11

Blue Clay - 66'

Stony Blue Clay - 21'

Hard Pan - 15'

Limestone - 29' (waterbearing)

Record of FINAL Pumping test

Duration of test
Hours 5

Pumping rate
G.P.M. 12

Depth of pump in well. Ft. 80

Standing water-level (from surface)
Ft. 5-5

Water-level when pumping Ft. 65

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory sample sent?
Keroska
Date July 2-4

Was the well sealed completion?
Yes ✓ No

How high did you leave casing-pipe above grade?
6"

Well was completed
Date July 3-4

Well Driller
Lehrke Bros
Signature

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL CONSTRUCTION DIVISION

MAR 9 1944

Note: Section 31 of the Wisconsin Well Construction Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Reynold Rantz Driller Adrian Ackes

Street or RFD R1 Box 338 A. Post Office 5214 W. Vallard ave

Post Office So Milwaukee 6213 So Elaine ave Date Jan 10 1944 Permit No. 364

LOCATION OF PREMISES

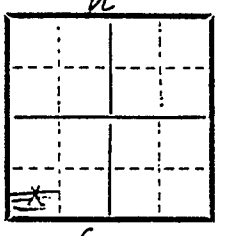
Milwaukee (County) Town of Lake (Town)

Describe further by subdivision, plat, district, lake, lot.

College ave

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



SE, SESE, Sec 34

Sec. No. 35

Twp. No. 6

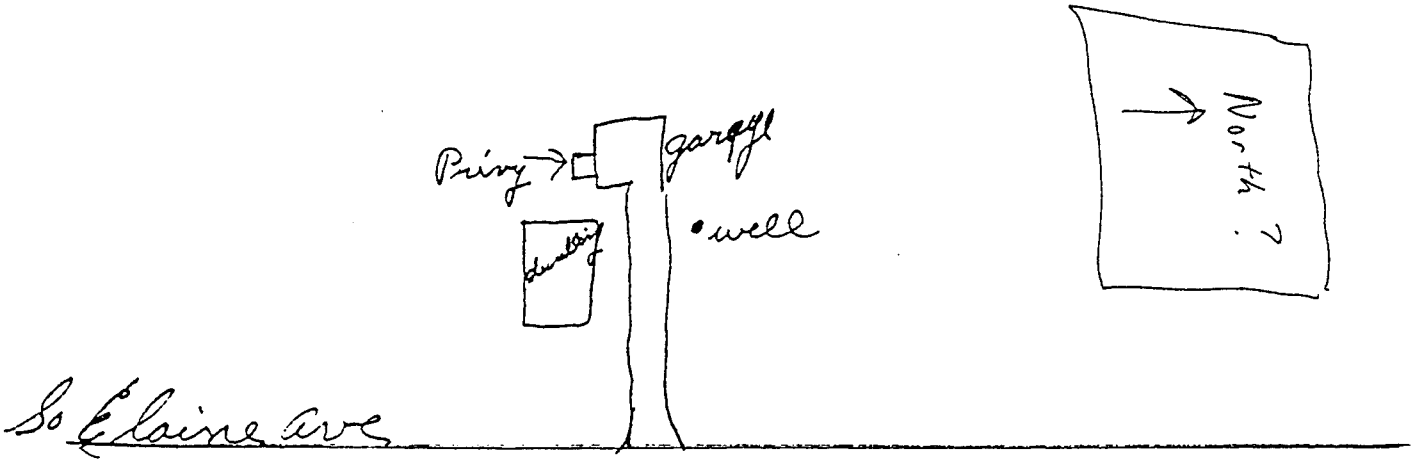
Range 22 { E / W

per address

DIAGRAM OF PREMISES

See Well Construction Report bulletin. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

Elaine Ave is in Sec. 34 - not in Sec. 35



Additional copies of this form may be obtained in lots of 12 for 25c. Send remittance with order to State Board of Health, Well Construction Division, Madison, Wis.

WELL LOG *and* REPORT

For method of making report, refer to bulletin entitled "Well Construction Report." 7-5-39.

In this column indicate the kind of casing, liner, shoe and other accessories used.

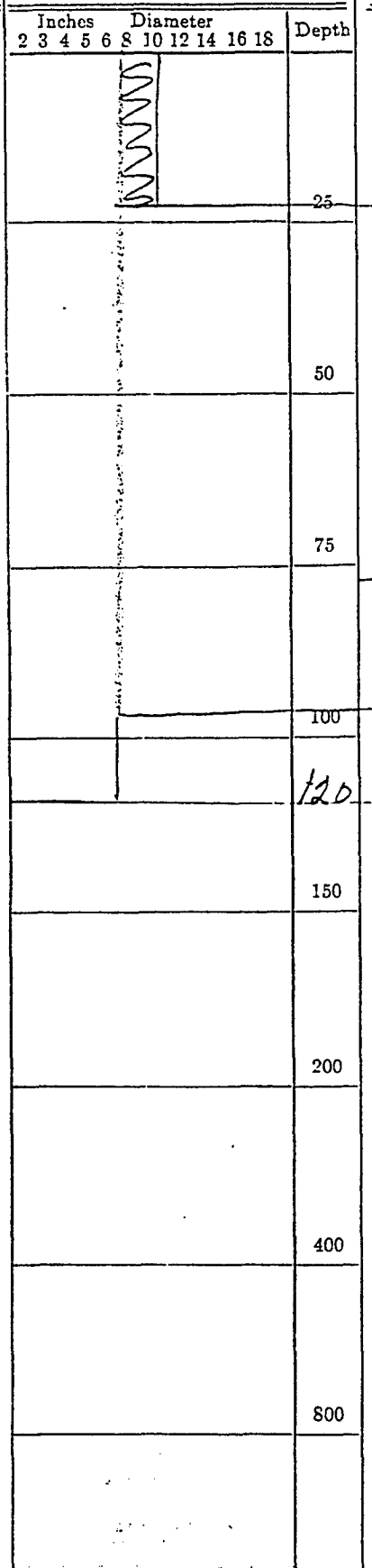
Std Wt.
Steel pipe
30 feet of new
pipe
3 feet of
reclaimed
pipe -
drop forge shoe

= Casing pipe

= Drill hole

= Mud grout

WELL DIAGRAM
Use a red line to show casing or liner pipe. Use black for drill or borehole.



Draw the diagram to show the right half only

In this column state the kind of formations penetrated, their thickness in feet and if water bearing.

Yellow Clay 10
Blue Clay 25
Stony Clay 65
Hard pan some sand 18 96
Lime stone 120

Record of FINAL Pumping test

Duration of test
Hours 2 1/2

Pumping rate
G.P.M. 10

Depth of pump in well. Ft. 50

Standing water-level (from surface)
Ft. 35

Water-level when pumping Ft. 45

Water. End of test.
Clear Yes
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?
Kenosha

Date

Was the well sealed on completion?
Yes ✓ No

How high did you leave casing-pipe above grade?
8

Well was completed
Date Sept 43

Well Constructor
Warren Pete
Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED OCT 14 1952 ENVIRONMENTAL SANITATION

1. County Milwaukee {Town ☒ / Village ☐ / City ☐} of Lake (Check one and give name)

2. Location 6170 So. Roberts St. NE SE SE Sec 34 76N R22E
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ K. Delikat.
Name of individual, partnership or firm

4. Mail Address Same
Complete address required

5. From well to nearest: Building 25 ft; sewer None ft; drain None ft; septic tank None ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: 1 family home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	25			
6	25	124			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Standard Weight.	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay Slurry	0	107

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Red Clay	0	15
Blue "	15	75
Gravel	75	107
Limestone	107	124

Construction of the well was completed on: Sept 29 1952

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 3 Hrs. at 6 GPM.

Depth from surface to water-level: 15 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at: Kenosha City on Sept 30 1952

Signature Clarence Acker 3934 So. 41 St. Milw. 15 Wis.
Registered Well Driller — Complete Mail Address

Please do not write in space below

✓ Rec'd 10-1-52 No. 1621

Ans'd 10-3-52

Interpretation ____

D. Dfc

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	0	0	0	0	0
48 hrs.	0	0	0	0	0
Confirm					
B. Coli					

Examiner L. E.

Wel. 6-30Mj(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SESESE Sec 34 T6N R22E

1. County Milwaukee — Town ☒ Village ☐ City ☐ Town of Lake (Check one and give name)

2. Location 6229 So Elsner St
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ Paul Hengel
Name of individual, partnership or firm

4. Mail Address 2330 A So 18th St Milw
Complete address required

RECEIVED NOV 10 1952 ENVIRONMENTAL SANITATION

5. From well to nearest: Building 15 ft; sewer 45 ft; drain 15 ft; septic tank 65 ft; dry well or filter bed 75 ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20	6	20	133

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Standard	0	112
	weight Block		

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay (sandy)	0	50
Sand & gravel	50	65
Clay (stones)	65	85
Clay (blue)	85	105
Shale	105	112
Limestone (water bearing)	112	133

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 8 GPM.

Depth from surface to water-level: 45 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at: _____ City on _____ 19____

Construction of the well was completed on: Oct 29 1953

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ____ No X

Was the well sealed watertight upon completion? Yes X No ____

Signature Kenneth A Sweeney (Registered Well Driller) R2 B4 122 Hales Corners, Wis (Complete Mail Address)

Please do not write in space below

Rec'd NOV 1 1952 No 29523

Ans'd ____

Interpretation ____

SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.	C				
48 hrs.					
Confirm					
B. Coli	0/5				

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (435-32E) { Town ☐ Village ☐ City ☑ } Cudahy — Check one and give name

2. Location 5955 So Barland
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ E. Inc Poepe (NW NE Sec 35 — 6N R 22E / NE SE Sec 35)
Name of individual, partnership or firm

4. Mail Address 5955 So Barland Cudahy Wisc
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
0	20	155			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	Std steel pipe	0	107

9. GROUT:

Kind	From (ft.)	To (ft.)
Mud cuttings	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
black soil	0	2
yellow clay	10	12
blue clay	91	103
hard pan	4	107
lime stone	48	155

Construction of the well was completed on: June 3 19 58

The well is terminated 8 inches ☐ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No ____

Was the well sealed watertight upon completion? Yes X No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 40 ft.

Water-level when pumping: 75 ft.

Water sample was sent to the state laboratory at: Madison City on June 3 19 58

Signature Louis Kozlowski Registered Well Driller

7570 So Howell So Mil Wis
Complete Mail Address

Please do not write in space below

Rec'd JUN 5 - 1958 No 15568

Ans'd ____

Interpretation SAFE

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

County Milw. Twp. Lake Cudahy City Sec. 1
(Office Record—Do not fill in)
Sec 35? 7N R22E

TO THE WISCONSIN STATE BOARD OF HEALTH, WELL DRILLING DIVISION, MADISON, WIS.

WELL LOG PREMISES DIAGRAM, and REPORT

For Official Record of the Board

(TO BE USED FOR THAT PURPOSE ONLY)

Owner A. H. K. Liefarth
(If a joint ownership give name of responsible official. Also name of each individual holding an interest. Use a separate sheet and attach hereto.)

Address So. Packard Ave Cudahy
(City, village, township, county)

Driller Frank Ackert & Son's

Address Hales Corners Wisconsin

Date of Report 11/13 1931

Registration No. 13

Give below the location of the property on which well is drilled.

If incorporated village or city: Cudahy (Name) Lot So Packard Ave. (Blk. / Street and No.)

If unincorporated hamlet ..... (Name) County Twp. Highway

If Lake Shore Plat ..... (Name of Plat) Lake Lot Blk. Street

If Farm ..... County Twp. Sec. Highway

If School ..... County Twp. Sec. District

If other public building ..... Kind County Twp. Sec.

Miscellaneous ..... Kind County Twp. Sec.

WELL LOG and REPORT

Kind of casing and liner in feet. Kind of shoe. Indicate grout, screen, seal, etc.	WELL DIAGRAM Vertical Lines = in. Dia. Horizontal Lines = ft. Depth	Give depth of formations in feet. State if dry or water bearing.	Record of FINAL Pumping Test
5 pcs Steel Pipe Large Steel Shoe	0 2 3 4 5 6 8 10 12 14 16 18 24 0	15' Red clay	Duration of test. Hours 4
	25		Pumping Rate. G. P. M. 5
	50	60' blue clay	Depth of pump in well. Ft. 125
	75		Standing water-level (from surface.) Ft. 80'
	100	80' Sand	Water level when pumping Ft. 115
	130		Water. End of test. Check: Clear ✓ Cloudy ..... Turbid .....
		15' Lime Rock	Was well sterilized before test? Yes ✓ No ..... Date .....
	200		To which Laboratory was sample sent? Madison Date 11/15
	400		Was the well sealed on completion? Yes ✓ No .....
	800		How high did you leave casing above grade? 6"
	1200		Well was completed 11/13 1931
			Well Driller: Harry Ackert Signature.
			(Be sure to complete the report on the reverse side)

PREMISES DIAGRAM

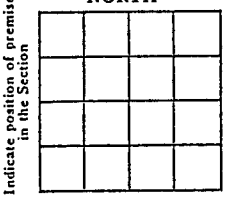
(See Rules)

Draw a representative sketch of the premises on which this well is located, showing the location of the well with reference to buildings and possible sources of pollution. Indicate the condition of the surroundings by printing descriptive words like high, low, level, slope, lake, river, swamp, forest, meadow, barnyard, cesspool, privy, sewer, etc., at their respective locations and show distance from the well on the sketch. Also show direction of the compass. See Part III of Code for specimen Diagram.

REMARKS:

Indicate position of premises in the Section

NORTH



Sec. 36 T. 6 R. 22 (E) (W) o well (Each division equals 10') (If more or less indicate: .....)

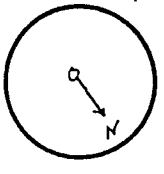
35

Home

Drive

So. Packard Ave

Showing in circle the Direction of Compass



Note: Additional copies of this form may be obtained at 5c per copy in lots of 10 or more. Send remittance with order to State Board of Health, Well Drilling Division, Madison.

JUL 23 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner A. M. Staaen — Driller Frank Aiken & Sons ✓

Street or RFD 2818 So. Chicago Ave — Post Office R. 4. Wauwatosa

Post Office ____ — Date 7/5/40 — Permit No. 13

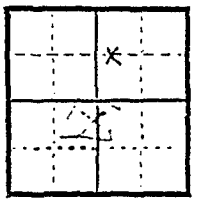
LOCATION OF PREMISES

Milwaukee (County) — Lake (Town)

6028 So Packard Ave Cudahy

Describe further by subdivision, plat, district, lake, lot, block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



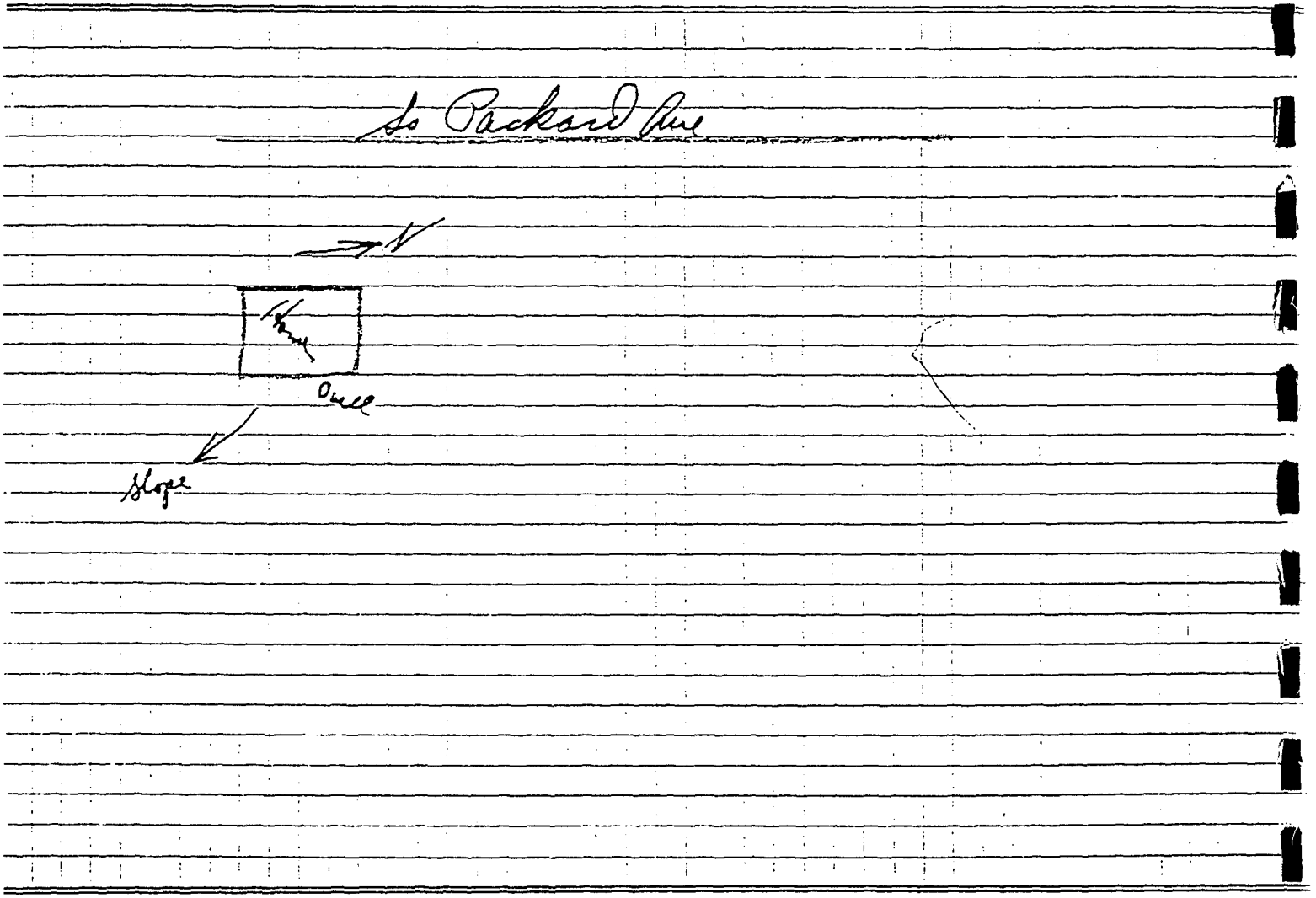
Sec. 35

Twp. 6

Range 22 E

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

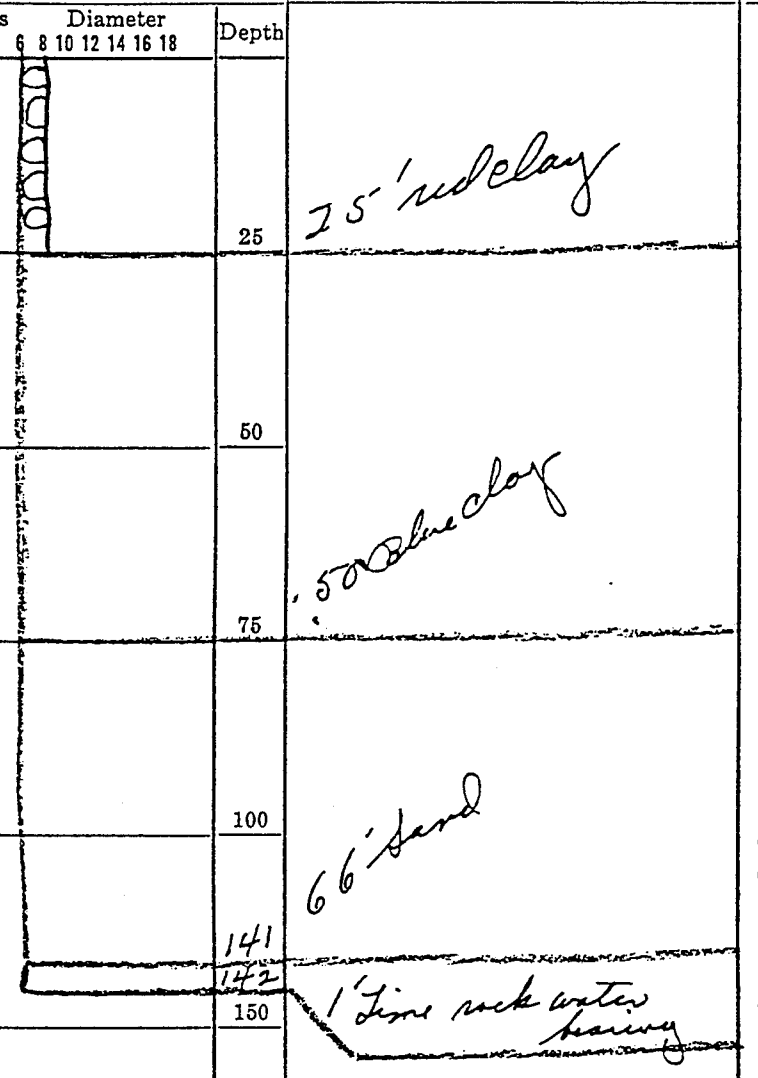


Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole.	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.	Record of FINAL Pumping test

141' Std wt Steel pipe
6" forged steel shoe



Draw the diagram to show the right half only

/ = Drill hole
2 = pipe
3 = mud grout

Duration of test
Hours 4

Pumping rate
G.P.M. 8

Depth of pump in well. Ft. 115'

Standing water-level (from surface)
Ft. 90'

Water-level when pumping Ft. 115'

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ---------- No ----------

To which laboratory was sample sent?
Madison
Date 7/1/40

Was the well sealed or completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
6"

Well was completed
Date 7/1/40

Well Driller
Harry Acker
Signature

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ x / Village ☐ / City ☐ — Lake — Check one and give name

2. Location 6217 S. Whitnal Ave. (Sec 35 T6N R22E)
Name of street and number of premise or Section, Town and Range numbers

3. Owner x ☐ or Agent ☐ Frank Entrenger
Name of individual, partnership or firm

RECEIVED FEB 21 1955 ENVIRONMENTAL SANITATION

4. Mail Address 6217 S. Whitnal Ave. South Milwaukee Wisc.
Complete address required

5. From well to nearest: Building 15 ft; sewer no sewer or septic installed ft; drain ft; septic tank ft;
dry well or filter bed ft; abandoned well xx ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	38			
6	0	161			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	blk. WD 19.45	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mud	0	38

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Soil Clay stony		19
sand muck	10	29
clay sandy	12	41
clay	40	81
clay sandy	9	90
clay	20	110
gravel clay	7	117
limestone	23	140
limestone WB	21	161

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 15 GPM.

Depth from surface to water-level: 47 ft.

Water-level when pumping: 60 ft.

Water sample was sent to the state laboratory at:
Kenosha City on 10/6/41 1/21/42

Construction of the well was completed on:
Oct. 6 19 41

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?
Yes x No

Was the well sealed watertight upon completion?
Yes x No

Signature Arber & Krumm by G. Garber 5807 W. Hampton Rd Milwaukee 16
Registered Well Driller — Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee — Town ☐ x / Village ☐ / City ☐ Lake — Check one and give name

2. Location 6235 S. Whitnal Ave / Sec 35 T6N R22E
Name of street and number or premise or Section, Town and Range numbers

RECEIVED
FEB 21 1955
ENVIRONMENTAL SANITATION

3. Owner x or Agent ☐ Niel H. Cory
Name of individual, partnership or firm

4. Mail Address 6235 S. Whitnal Ave. South Milwaukee Wisc.
Complete address required

5. From well to nearest: Building 15 ft; sewer no other construction ft; drain ft; septic tank ft;
dry well or filter bed ft; abandoned well xx ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	38			
6	0	151			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	blk. WD 19.45	0	116

9. GROUT:

Kind	From (ft.)	To (ft.)
Drill mudt	0	38

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay		18
sand silt	8	26
clay	22	48
sand gravel	26	74
c lay sand	28	102
silt	14	116
limestone light	30	146
li mestone crev. WB	5	151

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 20 GPM.

Depth from surface to water-level: 47 ft.

Water-level when pumping: 51 ft.

Water sample was sent to the state laboratory at: Kenosha City on 10/6 19 41

Construction of the well was completed on: July 24 19 41

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes x No

Was the well sealed watertight upon completion? Yes x No

Signature Arber ~ Krumm B. G. Jaeger
Registered Well Driller

5807 W. Hampton Rd Milwaukee 16
Complete Mail Address

Please do not write in space below

Rec'd No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

Wis-6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee { Town ☐ Village ☐ City ☒ } Cudahy — Check type and give name

2. Location 3367 E. Ramsey (NWNWSWSec 35T6NR22E)
Name of street and number of premise or Section, Town and Range numbers

RECEIVED
DEC 16 1958
ENVIRONMENTAL SANITATION

3. Owner ☒ or Agent ☐ Milton Rice
Name of individual, partnership or firm

4. Mail Address 3367 E. Ramsey St. Cudahy Wisconsin. 5497 S
Complete address required

5. From well to nearest: Building 6 ft; sewer ____ ft; drain 15 ft; septic tank ____ ft; dry well or filter bed 50 ft; abandoned well 18 ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	20			
6	0	170			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	blk.WD 19.45	0	117

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mud clay	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay sandy		107
boulders	2.	109
hardpan	8	117
limestone	48	165
limestone WB	5	170

Construction of the well was completed on: Dec. 6 19 58

The well is terminated 8 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 5 Hrs. at 7 GPM.

Depth from surface to water-level: 75 ft.

Water-level when pumping: 84 ft.

Water sample was sent to the state laboratory at: Madison (City) on 12/8 19 58

Signature Garber & Son B.J. Garber 5807 W. Hampton Rd Milwaukee 18 Wis
Registered Well Driller — Complete Mail Address

Please do not write in space below

39837

Rec'd DEC 9 1958 No.

Ans'd SAFE

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

Wel. 6-30M(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

NENWSW Sec 35 T6N R22E

1. County MILWAUKEE {Town ☑ / Village ☐ / City ☐} LAKE (Check one and give name)

2. Location 3375 E. RAMSAY AVE
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ KENNETH MC LAUGHLIN
Name of individual, partnership or firm

4. Mail Address SAME
Complete address required

RECEIVED MAY 15 1951 BUREAU SAN. ENG.

5. From well to nearest: Building 4 ft; sewer 15 ft; drain ____ ft; septic tank 5 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
~~10~~ 8	0	21			
6	21	173			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	125

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	21

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	10
BLUE CLAY	10	120
POROUS LIME	120	125
SOLID LIME	125	173

Construction of the well was completed on: MAY 12 19 51

The well is terminated 6 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 10 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at: MADISON City on MAY 12 19 51

Signature Leo J. Blount
Registered Well Driller

5561 So. 6TH ST. MIL. 7, WIS.
Complete Mail Address

Please do not write in space below

Rec'd MAY 15 1951 No. 6394

Ans'd ____

Interpretation This completes the testing of the Bart Installation pending the presence of Chlorine

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel. 6-30M(6-50)

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED DEC 17 1953 ENVIRONMENTAL SANITATION

1. County MILWAUKEE (NE NW SW Sec 35 T6N R22E) — Town ☑ / Village ☐ / City ☐ LAKE — Check one and give name
2. Location 3375 E RAM SAY AVE — Name of street and number of premise or Section, Town and Range numbers
3. Owner ☑ or Agent ☐ KENNETH MC LAUGHLIN — Name of individual, partnership or firm
4. Mail Address SAME — Complete address required
5. From well to nearest: Building 5 ft; sewer 15 ft; drain NONE ft; septic tank 50 ft; dry well or filter bed ____ ft; abandoned well ____ ft.
6. Well is intended to supply water for: RESIDENCE

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	0	22			
6	22	173			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	WROUGHT IRON PIPE	0	125

9. GROUT:

Kind	From (ft.)	To (ft.)
CLAY SLURRY	0	22

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
RED CLAY	0	10
BLUE CLAY	10	120
POROUS LIME	120	125
SOLID LIME	125	173

Construction of the well was completed on: MAY 18 19 51

The well is terminated 6 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 70 ft.

Water sample was sent to the state laboratory at: ____ City on ____ 19____

Signature L. J. McCourt — Registered Well Driller

5761 So. 6TH ST MIL. 7, WIS. — Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

Wel. 6

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee (NE¼NW¼NW¼ Sec 35 T6N R22E) Town ☐ Village ☐ City ☐ Lake — Check one and give name

2. Location 5544 S. Dish St
Name of street and number of premise or Section, Town and Range number

3. Owner ☒ or Agent ☐ Emil Kling
Name of individual, partnership or firm

4. Mail Address 5544 S. Dish St.
Complete address required

RECEIVED
FEB 21 1955
ENVIRONMENTAL SANITATION

5. From well to nearest: Building 18 ft; sewer xx ft; drain xx ft; septic tank xx ft; dry well or filter bed xx ft; abandoned well xx ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8	0	20			
6	0	214			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	blk.WD 19.45	0	151

9. GROUT:

Kind	From (ft.)	To (ft.)
drill mdd	0	20

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
clay		38
sand clay	71	109
sandclay hardpan	41	150
limestone WB	64	214

Construction of the well was completed on: May 4 19 44

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes x No

Was the well sealed watertight upon completion? Yes x No

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 10 GPM.

Depth from surface to water-level: 59 ft.

Water-level when pumping: 85 ft.

Water sample was sent to the state laboratory at: Kenosha City on 5/4 19 44

Signature B G Faber Registered Well Driller

Arber & Krumm 5807 W. Hampton Rd Milwaukee 16
Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

RECEIVED
JUN 6 1949
BUREAU SAN. ENG.

1. County Milwaukee (Town ☒ / Village ☐ / City ☐) Lake — Check one and give name
NENWNW Sec 33 T6N R22E

2. Location 5557 So Buckhorn Ave.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☒ or Agent ☐ John Pawlak
Name of individual, partnership or firm

4. Mail Address 5557 So. Buckhorn Ave. Milwaukee, Wisconsin.
Complete address required

5. From well to nearest: Building 10 ft; sewer X ft; drain X ft; septic tank X ft; dry well or filter bed X ft; abandoned well X ft.

6. Well is intended to supply water for: Household use.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
5	0	195			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
5	Black steel	0	147

9. GROUT:

Kind	From (ft.)	To (ft.)
Clay	0	72

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Open hole	0	72
Clay	72	110
Fine pack sand	110	147
Gray limestone	147	195

Construction of the well was completed on: March 11 19 49

The well is terminated 6 inches ☒ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes X No

Was the well sealed watertight upon completion? Yes X No

11. MISCELLANEOUS DATA:

Yield test: 80 Hrs. at 7 GPM.

Depth from surface to water-level: 67 ft.

Water-level when pumping: 87 ft.

Water sample was sent to the state laboratory at: Kenosha City on 3-17 1949

Signature Accurate Drilling & Pump Co
Registered Well Driller

2121 E Capitol Drive
Complete Mail Address
Milwaukee, 11 Wisconsin

Please do not write in space below

Rec'd No.

Ans'd

Interpretation

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

1. County Milwaukee Wis. Town ☑ Village ☐ City ☐ Oak Creek
Check one and give name

Sec 2?? T5N R22E

2. Location Hy 42 at Davis Acres So. Milwaukee Wis.
Name of street and number of premise or Section, Town and Range numbers

3. Owner ☑ or Agent ☐ Henry Dondus
Name of individual, partnership or firm

4. Mail Address So. Milwaukee Wis.
Complete address required

RECEIVED DEC 10 1954 ENVIRONMENTAL SANITATION J.D.

5. From well to nearest: Building 25 ft; sewer ____ ft; drain ____ ft; septic tank ____ ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home.

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	210			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Standard	0	191

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	45

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	45
Quicksand	45	65
sand + Clay	65	125
clay (Blue)	125	178
Clay + gravel	178	190
Limestone	190	191
Limestone Water Bearing	191	210

Construction of the well was completed on: 6/2 19 43

The well is terminated 8 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion? Yes ✓ No ____

Was the well sealed watertight upon completion? Yes ✓ No ____

11. MISCELLANEOUS DATA:

Yield test: 4 Hrs. at 12 GPM.

Depth from surface to water-level: 75 ft.

Water-level when pumping: 100 ft.

Water sample was sent to the state laboratory at: Kenosha City on 6/1 1943

Signature LeRoy Radtke
Registered Well Driller

RR#1 Box 647 - Racine
Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL CONSTRUCTOR'S REPORT TO WISCONSIN STATE BOARD OF HEALTH

See Instructions on Reverse Side

SOUTH MILWAUKEE?

1. County R Milwaukee — Town ☑ / Village ☐ / City ☐ Oak Creek (Check one and give name)

2. Location T5N Range 22 E Section 2 Oak Creek
Name of street and number of premise or Section, Town and Range numbers

RECEIVED DEC 14 1964 ENVIRONMENTAL SANITATION

3. Owner ☑ or Agent ☐ George Hackenschmidt
Name of individual, partnership or firm

4. Mail Address Davis Lake Road Oak Creek
Complete address required

5. From well to nearest: Building 15 ft; sewer ____ ft; drain ____ ft; septic tank 40 ft; dry well or filter bed ____ ft; abandoned well ____ ft.

6. Well is intended to supply water for: Home

7. DRILLHOLE:

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
6	0	190			

8. CASING AND LINER PIPE OR CURBING:

Dia. (in.)	Kind	From (ft.)	To (ft.)
6	Steel Lap weld	0	165

9. GROUT:

Kind	From (ft.)	To (ft.)
Puddle Clay	0	40

10. FORMATIONS:

Kind	From (ft.)	To (ft.)
Clay	0	40
Clay + sand	40	90
Clay Blue	90	150
Clay + gravel	150	160
Gravel	160	162
Limestone (Rotten)	162	165
Limestone (Waterbearing)	165	190

11. MISCELLANEOUS DATA:

Yield test: 6 Hrs. at 12 GPM.

Depth from surface to water-level: 70 ft.

Water-level when pumping: 80 ft.

Water sample was sent to the state laboratory at: Kenosha City on ____ 19 46

Construction of the well was completed on: May 23 19 46

The well is terminated 10 inches ☑ above, below ☐ the permanent ground surface.

Was the well disinfected upon completion?

Yes ✓ No ____

Was the well sealed watertight upon completion?

Yes ✓ No ____

Signature LeRoy Radtke — Registered Well Driller

RR#1 Box 617 Racine Wis — Complete Mail Address

Please do not write in space below

Rec'd ____ No. ____

Ans'd ____

Interpretation ____

	10 ml	10 ml	10 ml	10 ml	10 ml
Gas—24 hrs.					
48 hrs.					
Confirm					
B. Coli					

Examiner ____

WELL LOG *and* REPORT

In this column indicate the kind of casing, liner, shoe and other accessories used.	WELL DIAGRAM Use a red line to show casing or liner pipe. Use black for drill or borehole. Inches Diameter 2 3 4 5 6 8 10 12 14 16 18	Depth	In this column state the kind of formations penetrated, their thickness in feet and if water bearing.
126' of 12" wrought steel drive pipe with forged steel shoe attached		25	
		50	Drift
		75	
		100	
		123	
		150	
		200	Limestone
		384 400	
		800	
		1200	

Draw the diagram to show the right half only

Record of FINAL Pumping test

Duration of test
Hours 12

Pumping rate
G.P.M. 272

Depth of pump in well. Ft. 186

Standing water-level (from surface)
Ft. 46

Water-level when pumping Ft. 151

Water. End of test.
Clear ✓
Cloudy
Turbid

Was the well sterilized?
Yes ✓ No

To which laboratory was sample sent?

Date

Was the well sealed on completion?
Yes ✓ No

How high did you leave the casing-pipe above grade?
12"

Well was completed
Date
7-7-40 ?

Well Driller
Layne-Northwest
Signature
Kent Allen

AUG -8 1940

WELL CONSTRUCTION REPORT
WISCONSIN STATE BOARD OF HEALTH ML-131-U
WELL DRILLING DIVISION

Note: Section 32 of the Wisconsin Well Drilling Sanitary Code, having the force and effect of law, provides that within thirty days after completion of every well the driller shall submit a report covering all essential details of construction to the State Board of Health on a form provided by the Board.

Owner Bucyrus-Erie Company Driller Layne-Northwest Company

Street or RFD South Milwaukee Post Office Milwaukee, Wisconsin

Post Office Wisconsin Date August 7, 1940 Permit No. 29

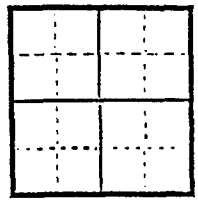
LOCATION OF PREMISES

Milwaukee (County) Oak Creek / South Milwaukee (Town)

Wisconsin Highway 42
Describe further by subdivision, plat, district, lake, lot,

block, nearest principal highway, etc., whichever apply.

The square below represents a section of land divided into 40 acre tracts. Mark the position of the premises in the section.



Sec. 2

Twp. 5N

Range 22E

per USGS

DIAGRAM OF PREMISES

See discussion and illustration in Part III Well Drilling Code. In making the diagram in the space below consider 10 ft. as the distance between lines. Be sure to indicate NORTH.

Additional copies of this form may be obtained in lots of 12 for 25¢. Send remittance with order to State Board of Health, Well Drilling Division, Madison, Wis.

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER AJ619

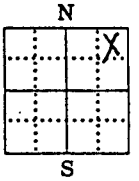
State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707

DEC 1 2 1988

Property Owner: Henneman Bldr: Schmid Bros. Telephone Number: (414) 541-4280
Mailing Address: Bldrs., Inc. 3238 So. 92nd Street
City: Milwaukee, State: Wisconsin Zip Code: 53227
County: 41 Milwaukee
County Well Location Permit No.: W
Well Completion Date: 11/22/88 (M M D D Y Y)

Well Constructor (Business Name): Herr Well Drilling, Inc. License #: WD672
Address: W295 Herr Rd.
City: Dousman, State: Wisconsin Zip Code: 53118

2. Mark well location in correct 40-acre parcel of section.



1. Location (Please type or print using a black pen.)
☐ Town ☒ City ☐ Village of Oak Creek
Fire # (if available)
Grid or Street Address or Road Name and Number (if available): 7260 S. Clement Avenue
Subdivision Name: Lot #: Block #:
Gov't Lot # ___ or ✓ NE ¼ of NE ¼ of Section 9 ; T 5 N; R 22 ☒ E ☐ W

3. Well Type ☒ New ☐ Replacement ☐ Reconstruction/Rehabilitation
of well constructed in 19 ___.
Reason for new, reconstructed, replaced, or rehabilitated well?
water supply for a new home
☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other ___

4. Well serves 1 # of homes and/or ___
(ex: barn, restaurant, church, school, industry, etc.)
High Capacity Well? ☐ Yes ☒ No
High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No
Well Located in Floodplain? ☐ Yes ☒ No
Distance In Feet From Well To Nearest:
___ 1. Landfill
9 2. Building Overhang
___ 3. Septic or Holding Tank
___ 4. Sewage Absorption Unit
___ 5. Nonconforming Pit
___ 6. Buried Home Heating Oil Tank
___ 7. Buried Petroleum Tank
___ 8. Shoreline/Swimming Pool
___ 9. Downspout/Yard Hydrant
___ 10. Privy
___ 11. Foundation Drain to Clearwater
___ 12. Foundation Drain to Sewer
___ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other
___ 14. Building Sewer ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
97 15. Collector Sewer
___ 16. Clearwater Sump
___ 17. Wastewater Sump
___ 18. Paved Animal Barn Pen
___ 19. Animal Yard or Shelter
___ 20. Silo — Type ___
___ 21. Barn Gutter
___ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
___ 23. Other Manure Storage ___
Other NR 112 Waste Source
___ 24. ___

6. Drillhole Dimensions

Dia. (in.)	From (ft.)	To (ft.)
15 & 13 3/4	surface	76
6	76	182

Method of constructing upper enlarged drillhole. (If applicable ✓ more than one.)
☒ 1. Rotary — Mud Circulation
☐ 2. Rotary — Air
☐ 3. Rotary — Foam
☐ 4. Reverse Rotary
☐ 5. Cable-tool Bit ___ in. dia.
☐ 6. Temp. Outer Casing ___ in. dia. Removed? ☐ Yes ☐ No
If no, explain ___
☐ 7. Other ___

9. Geology

	Type, Caving/Noncaving, Color, Hardness, Etc.	From (ft.)	To (ft.)
-GC	Gravel & clay	surface	8
-C-	Clay	8	31
-GC	Gravel & clay	31	62
-C-	Clay	62	76
-L-	Limestone	76	182

7. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	18.97 lbs. per foot New steel plain end A53 Grade B Valley Steel Products	surface	76

Dia. (in.)	screen type and material	From	To

8. Grout or Other Sealing Material

Method / Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
Clay slurry & drilling mud	surface	76	

10. Static Water Level: 31 ft. below ground surface

11. Pump Test
Pumping Level 65 ft. below surface
Pumping at 17 GPM for 5 hours

12. Well Is:
12 in. ☒ Above ☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

13. Were all unused, noncomplying, or unsafe wells properly filled with sealant?
☐ Yes ☐ No If no, explain none

14. Signature of Well Constructor: John Kuesters. JH Date Signed: 12-5-88
Signature of Drill Rig Operator: Daniel S. Owley DSO Date Signed: 12-5-88

Make additional comments on reverse side about geology, etc.

DNR WGNHS ORIGINAL

WELL CONSTRUCTION REPORT
Form 3300-77A Rev. 8-87

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 12-76

OCT 7 1985 MAY 29 1985

1. COUNTY: Milw.

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City

Name: Oak Creek

2. LOCATION: ¼ Section: NE,NE,NW, | Section: 10 | Township: 5N | Range: 22E

OR – Grid or Street No.: 7165 | Street Name: Pennsylvania Ave.

AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Charles Huff

ADDRESS: same

POST OFFICE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
15	50		45							

Street Sewer		Other Sewers		Foundation Drain Connected to:				Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other				Seepage Pit	
				Clearwater Dr.		Clearwater Sump							Seepage Bed	
													Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing		Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well		Nonconforming Existing							
		Pump									
		Tank									

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: private house

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	40	6	40	200

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	New, steel	Surface	98
	welded, 19.45 lb.		
	/ft. ASTM-A53		
	USS steel		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drill cuttings-mud	Surface	40

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	65
hardpan	65	98
Limestone	98	200

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool
☐ Rotary-air w/drilling mud
☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air
☐ Rotary-hammer & air
☐ Reverse Rotary
☐ Jetting with: ☐ Air ☐ Water

Well construction completed on 4-20 19 85

11. MISCELLANEOUS DATA

Yield Test: 24 Hrs. at 15 GPM

Depth from surface to normal water level 55 Ft.

Depth of water level when pumping 65 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Oak Creek laboratory on 4-22 19 85

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: [signature] Registered Well Driller

Complete Mail Address: 9112 S 13th St Oak Creek

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

MAR 10 1982

1. COUNTY: Mil.

CHECK (✓) ONE: ☐ Town ☐ Village ☑ City Name: Oak Creek

2. LOCATION: ¼ Section: NW, NE, | Section: NW, Sec 15, | Township: 5N | Range: 22E

OR – Grid or Street No.: 2001 | Street Name: E. Drexel Ave.

AND – If available subdivision name, lot & block No.:

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Wm. Allen

ADDRESS: Same

POST OFFICE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
17										

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other			Seepage Pit	
				Clearwater Dr.		Clearwater Sump				50		Seepage Bed	100
												Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well								
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Private home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	156

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	New, Steel	Surface	111
	Threaded + Coupled		
	19.45/ft. ASTM		
	A-120		
	Union		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Puddled mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	60
Hardpan	60	111
Limestone	111	156

10. TYPE OF DRILLING MACHINE USED

☑ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with ☐ Air ☐ Water

Well construction completed on 12-2 1981

11. MISCELLANEOUS DATA

Yield Test: 5 Hrs. at 20 GPM

Depth from surface to normal water level 50 Ft.

Depth of water level when pumping 70 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 8 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to Madison laboratory on 12-3 1981

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Donald Hay Registered Well Driller

Complete Mail Address: 9112 S. 13 St. Oak Creek

First Water Quality Test For WISCONSIN UNIQUE WELL NUMBER AT 715

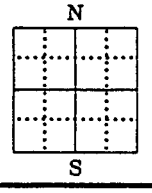
OCT 25 1988

State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707

Property Owner: Richard Lee
Telephone Number: (414) 764-4746
Mailing Address: 1200 E. Froest Hill
City: Oak Creek, Wisconsin 53154
State: Zip Code:
County: 41 Milwaukee
County Well Location Permit No.: W
Well Completion Date: 10 / 14 / 88 (MM DD YY)

Well Constructor (Business Name): Roschi Bros., Inc.
Registration #: WD435
Address: 12665 W. Lisbon Road
City: Brookfield, Wis. 53005
State: Zip Code:

2. Mark well location in correct 40-acre parcel of section.



1. Location (Please type or print using a black pen.)
☐ Town ☒ City ☐ Village of Oak Creek
Fire # (if available):
Grid or Street Address or Road Name and Number (if available): 1200E. Forest Hill
Subdivision Name: Lot #: Block #:
Gov't Lot # SW¼ of SE ¼ of NE ¼ of Section 16; T 5 N; R 22 ☒ E ☐ W

3. Well Type ☐ New ☒ Replacement ☐ Reconstruction/Rehabilitation
of well constructed in 19 ____.
Reason for new, reconstructed, replaced, or rehabilitated well?
original is hand dug well
☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other ____

4. Well serves 1 # of homes and/or ____
(ex: barn, restaurant, church, school, industry, etc.)
High Capacity Well? ☐ Yes ☒ No
High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No
Well Located in Floodplain? ☐ Yes ☒ No
Distance In Feet From Well To Nearest:
____ 1. Landfill
37 2. Building Overhang
50 3. Septic or Holding Tank
58 4. Sewage Absorption Unit
____ 5. Nonconforming Pit
____ 6. Buried Home Heating Oil Tank
____ 7. Buried Petroleum Tank
____ 8. Shoreline/Swimming Pool
____ 9. Downspout/Yard Hydrant
____ 10. Privy
38 11. Foundation Drain to Clearwater
____ 12. Foundation Drain to Sewer
____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other
____ 14. Building Sewer ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 15. Collector Sewer
____ 16. Clearwater Sump
____ 17. Wastewater Sump
____ 18. Paved Animal Barn Pen
____ 19. Animal Yard or Shelter
____ 20. Silo — Type ____
____ 21. Barn Gutter
____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 23. Other Manure Storage ____
Other NR 112 Waste Source
____ 24. ____

6. Drillhole Dimensions

Dia. (in.)	From (ft.)	To (ft.)
10	surface	20
6	20	163

Method of constructing upper enlarged drillhole. (If applicable ✓ more than one.)
☒ 1. Rotary — Mud Circulation
☐ 2. Rotary — Air
☐ 3. Rotary — Foam
☐ 4. Reverse Rotary
☐ 5. Cable-tool Bit ____ in. dia.
☐ 6. Temp. Outer Casing ____ in. dia.
Removed? ☐ Yes ☐ No
If no, explain ____
☐ 7. Other ____

7. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	black steel pipe, welded joints, 18.97 lb. ASTM A53 17.80 psi Taiwan	surface	65
Dia. (in.)	screen type and material	From	To

8. Grout or Other Sealing Material

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
drilling mud	surface		

Method ____

9. Geology

	Type, Caving/Noncaving, Color, Hardness, Etc.	From (ft.)	To (ft.)
-C-	clay	surface	34
-G-	gravel	34	39
-CG-	stoney clay	39	61
-G-	gravel	61	65
-C-	limestone	65	163

10. Static Water Level
____ ft. above ground level
15 ft. below ground surface

11. Pump Test
Pumping Level 15 ft. below surface
Pumping at 30 GPM for 2 hours

12. Well Is:
8 in. ☒ Above ☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

13. Were all unused, noncomplying, or unsafe wells properly filled with sealant?
☐ Yes ☒ No If no, explain owner to do

14. Signature of Well Constructor: Richard Roschi RR — Date Signed: 10-14-88
Signature of Drill Rig Operator — Date Signed

Make additional comments on reverse side about geology, etc.

DNR WGNHS ORIGINAL

WELL CONSTRUCTION REPORT
Form 3300-77A Rev. 1-88

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

FEB 26 1986

1. COUNTY ~~Waukesha~~ MILWAUKEE

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City Name: Oak Creek

2. LOCATION: ¼ Section or Gov't. Lot ✓ | Section | Township | Range: SW, SE, NE | 16 | 5N | 22E

OR – Grid or Street No.: 1300 | Street or Road Name: E. Forest Hill Ave.

AND – If available subdivision name, lot & block No.:

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Thomas Lee

ADDRESS: 9349A S. Nicholson Road

POST OFFICE: Oak Creek ZIP CODE: 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sewer C.I.	Storm Bldg. Sewer Other
14			not in							

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump 14	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit: Seepage Pit / Seepage Bed / Seepage Trench	Manure Hopper or Retention or Pneumatic Tank

Privy	Pet Waste Pit	Pit: Nonconforming Existing: Well / Pump / Tank	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: house

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	165

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6"	black steel pipe welded joints 18.97 lb. ASTM A120 1200 psi Valley Steel	Surface	80

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
clay	Surface	70
hardpan	70	80
limestone	80	165

10. TYPE OF DRILLING MACHINE USED

☐ Cable Tool ☒ Rotary-hammer w/drilling mud ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air
☐ Rotary-w/drilling mud ☐ Reverse Rotary ☐ Water

11. MISCELLANEOUS DATA

Yield Test: 3 Hrs. at 30 GPM

Depth from surface to normal water level 10 Ft.

Depth of water level when pumping 14 Ft. Stabilized ☒ Yes ☐ No

Well construction completed on 2-18-86 19___

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 2-26 19 86

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Richard Roscli Registered Well Driller

Business Name and Complete Mailing Address: Roschi Bros. Well Drilling & Pumps, Inc. 12665 W. Lisbon Rd. Brookfield, Wis. 5300

NOV 1 9 198

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

1. COUNTY: Mil W.

CHECK (✓) ONE: ☐ Town ☐ Village ☑ City Name: Oak Creek

2. LOCATION: ✓ W½, ¼ Section: NW, SW, Section: 19, Township: 5N, Range: 22E

OR – Grid or Street No.: 9200 Street Name: S. 27th St.

AND – If available subdivision name, lot & block No.:

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Johnson - Reiss

ADDRESS: 9200 S. 27th St.

POST OFFICE: Oak Creek

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sewer C.I.	Storm Bldg. Sewer Other
10		100	60							75

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit
										✓			Seepage Pit / Seepage Bed / Seepage Trench

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well / Pump / Tank	Nonconforming Existing	✓						

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Funeral Parlor

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	265

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	New, Steel	Surface	200
	API-5LX		
	19.45 lb/ft.		
	Welded, Seamless		
	Newport		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Drill Cuttings - mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	110
hardpan	110	200
limestone	200	265

10. TYPE OF DRILLING MACHINE USED

☑ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary
☐ Jetting with: ☐ Air ☐ Water

Well construction completed on 6-3 1987

11. MISCELLANEOUS DATA

Yield Test: 24 Hrs. at 15 GPM

Depth from surface to normal water level 60 Ft.

Depth of water level when pumping 65 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 10 inches ☑ above ☐ below final grade

Well disinfected upon completion ☑ Yes ☐ No

Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to Oak Creek laboratory on 6-15 1987

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: [signature] Registered Well Driller

Complete Mail Address: 9112 S. 13th St. Oak Creek

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE: SEP 2 9 1989

White Copy – Division's Copy
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Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 2-79

NOV 2 5 1987

1. COUNTY: Milwaukee — CHECK (✓) ONE: ☐ Town ☐ Village ☒ City — Name: Oak Creek

2. LOCATION — ¼ Section or Gov't. Lot: NE, SE — Section: 19 — Township: 5N — Range: 22E

OR – Grid or Street No.: 9253 — Street or Road Name: So 15 Ave

AND – If available subdivision name, lot & block No.

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Mike Mleczko

ADDRESS: 8020 S Wildwood Dr.

POST OFFICE: Oak Creek — ZIP CODE: 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
10				20 nc						

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
Yes				Clearwater Dr.	Clearwater Sump						Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well									
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	189

7. CASING, LINER, CURBING AND SCREEN — Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	19-45 TC.	Surface	153
	Black iron		
	New A-57M		
	A-53		
	Sumitomo		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clay slurry	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay stony	Surface	18
Sand & clay	18	45
Clay muck sand	45	115
Clay (stony)	115	153
Limestone	153	189

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool — ☐ Rotary-hammer w/drilling mud & air — ☐ Jetting with: ☐ Air ☐ Water
☐ Rotary-air w/drilling mud — ☐ Rotary-hammer & air
☐ Rotary-w/drilling mud — ☐ Reverse Rotary

11. MISCELLANEOUS DATA

Yield Test: 4 Hrs. at 12 GPM

Depth from surface to normal water level 35 Ft.

Depth of water level when pumping 39 Ft. Stabilized ☒ Yes ☐ No

Well construction completed on 11/18/87 19___

Well is terminated 12 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 11/18/87 19___

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Kenneth J Sweeney — Registered Well Driller

Business Name and Complete Mailing Address: 11221 W. St Martin Rd. Fr. 53132

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

1. COUNTY: Milw
CHECK (✓) ONE: ☐ Town ☐ Village ☐ City
Name: Oak Creek

2. LOCATION: S½, SW, NW, ¼ Section, Sec. 19 | Section | Township 5N | Range 22E
OR – Grid or Street No. 2527 | Street Name W Hilltop Ln.
AND – If available subdivision name, lot & block No.

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Elmer Sommers
ADDRESS 4054 S. 56 ST
POST OFFICE Milw Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sewer C.I.	Storm Bldg. Sewer Other
12				65		41				

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit
						20							Seepage Pit / Seepage Bed / Seepage Trench

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well / Pump / Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: 1 Family Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	7	0	158

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
7	steel-23 lb-FT API LS 5A Valley steel thred & cupple.	Surface	158

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
clay & blue Bentonite	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
clay + sand	Surface	54
gravel & sand	54	120
sand	120	158

10. TYPE OF DRILLING MACHINE USED
☑ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary
☐ Jetting with ☐ Air ☐ Water

Well construction completed on 7-15 19 80

11. MISCELLANEOUS DATA
Yield Test: 6 Hrs. at 10 GPM
Depth from surface to normal water level 90 Ft.
Depth of water level when pumping 115 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 11 inches ☑ above ☐ below final grade
Well disinfected upon completion ☑ Yes ☐ No
Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to Madison laboratory on 9-17 19 80

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Charles Parlow Registered Well Driller
Complete Mail Address: 8801 w Appleton

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

SPOT CHECK

NOTE:
White Copy – Division's Copy
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WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

DEC 22 1982

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ¼ Section or Gov't. Lot: NW, SW NW | Section: 19 | Township: 5N | Range: 22E
OR – Grid or Street No.: 8900 | Street or Road Name: S. 27th St.
AND – If available subdivision name, lot & block No.:

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Donald May
ADDRESS: 9112 S. 13th St.
POST OFFICE: Oak Creek | ZIP CODE: 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sew C.I.	Storm Bldg. Sew Other
9			200							

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pnuematic Tank
750' 1-27-83							9						Seepage Pit Seepage Bed Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basi
DISTRICT SPOT CHECK		Well Pump Tank	Nonconforming Existing								

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: house

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	210

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	black steel pipe	Surface	
	welded joints		
	18.97 lb.ASTM A53		
	Valley steel		110

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
stoney clay	Surface	18
clay	18	98
hardpan	98	110
limestone	110	210

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☒ Rotary-hammer w/drilling mud ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air ☐ Water
☐ Rotary-w/drilling mud ☐ Reverse Rotary

Well construction completed on 12-16 19 82

11. MISCELLANEOUS DATA
Yield Test: 4 Hrs. at 30 GPM
Depth from surface to normal water level 60 Ft.
Depth of water level when pumping 80 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 12-17 1982

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Richard Roschi Registered Well Driller

Business Name and Complete Mailing Address:
Roschi Bros. Well Drilling & Pumps, Inc
12665 W. Lisbon Rd. Brookfield, Wis.530

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER: AC744

MAR 31 1988

State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707

JAN 23 19

Property Owner: James Haines	Telephone Number: ( ) 764-4775
Mailing Address: 8602 S. Geln Forest Court	
City: Oak Creek, Wisconsin	State:	Zip Code: 53154
County: Milwaukee 41	County Well Location Permit No.: W	Well Completion Date: 03 / 24 / 88 (M M D D Y Y)

Well Constructor (Business Name): Roschi Bros, Inc. **License #:** WD435
Address: 12665 W. Lisbon Road
City: Brookfield, Wis. **State:** **Zip Code:** 53005

1. Location (Please type or print using a black pen.)
☐ Town ☒ City ☐ Village of Oak Creek
Fire # (if available)
Grid or Street Address or Road Name and Number (if available): 9010 S. 20th St.
Subdivision Name: Lot #: Block #:

2. Mark well location in correct 40-acre parcel of section.
N / W / E / S

Gov't Lot # SW¼ of SW ¼ of NE ¼ of Section 19 ; T 5 N; R 22 ☒ E ☐ W

3. Well Type ☒ New ☐ Replacement ☐ Reconstruction/Rehabilitation
of well constructed in 19 ____.
Reason for new, reconstructed, replaced, or rehabilitated well? new house
☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other

4. Well serves 1 # of homes and/or house (ex: barn, restaurant, church, school, industry, etc.)
High Capacity Well? ☐ Yes ☒ No
High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No
Well Located in Floodplain? ☐ Yes ☒ No

Distance In Feet From Well To Nearest:

____ 1. Landfill	63' 9. Downspout/Yard Hydrant	____ 17. Wastewater Sump
12 2. Building Overhang	____ 10. Privy	____ 18. Paved Animal Barn Pen
____ 3. Septic or Holding Tank	13 11. Foundation Drain to Clearwater	____ 19. Animal Yard or Shelter
____ 4. Sewage Absorption Unit	____ 12. Foundation Drain to Sewer	____ 20. Silo — Type ____
____ 5. Nonconforming Pit	____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other	____ 21. Barn Gutter
____ 6. Buried Home Heating Oil Tank	____ 14. Building Sewer ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other	____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
____ 7. Buried Petroleum Tank	263 15. Collector Sewer	____ 23. Other Manure Storage ____ Other NR 112 Waste Source
____ 8. Shoreline/Swimming Pool	____ 16. Clearwater Sump	____ 24. ____

6. Drillhole Dimensions

Dia. (in.)	From (ft.)	To (ft.)
10	surface	86
6	86	194

Method of constructing upper enlarged drillhole. (If applicable ✓ more than one.)
☒ 1. Rotary — Mud Circulation
☐ 2. Rotary — Air
☐ 3. Rotary — Foam
☐ 4. Reverse Rotary
☐ 5. Cable-tool Bit ____ in. dia.
☐ 6. Temp. Outer Casing ____ in. dia. Removed? ☐ Yes ☐ No If no, explain ____
☐ 7. Other ____

7. Casing, Liner, Screen

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
6"	black steel pipe, welded joints 18.97 lb. ASTM A 120 1200 psi Korean	surface	86

Dia. (in.)	screen type and material	From	To

8. Grout or Other Sealing Material

Method / Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
drilling mud	surface	20	

9. Geology

	Type, Caving/Noncaving, Color, Hardness, Etc.	From (ft.)	To (ft.)
RC-	red clay	surface	21
-CS	sandy clay	21	24
-CG	stoney clay	24	75
-P-	hardpan	75	86
-L-	limestone	86	194

10. Static Water Level
44 ft. below ground surface

11. Pump Test
Pumping Level 44 ft. below surface
Pumping at 20 GPM for 2 hours

12. Well Is:
8 in. ☒ Above ☐ Below Grade
Developed? ☒ Yes ☐ No
Disinfected? ☒ Yes ☐ No
Capped? ☒ Yes ☐ No

13. Were all unused, noncomplying, or unsafe wells properly filled with sealant? ☐ Yes ☐ No If no, explain ____

14. Signature of Well Constructor: Richard Roschi RR Date Signed: 3-24-88
Signature of Drill Rig Operator: Date Signed:

Make additional comments on reverse side about geology, etc.

DNR WGNHS ORIGINAL

WELL CONSTRUCTION REPORT
Form 3300-77A Rev. 8-87

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

JUL 18 1985

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

LOCATION: ¼ Section or Gov't. Lot: SW, SW, NE | Section: 19 | Township: 5N | Range: 22E
OR – Grid or Street No.: 9040 | Street or Road Name: S. 20th Street
AND – If available subdivision name, lot & block No.:

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Ken Miller Homes, Inc.
ADDRESS: P. O. Box 415
POST OFFICE: New Berlin
ZIP CODE: 53151

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sewer C.I.	Storm Bldg. Sewer Other
15				11 pvc sch.		40				

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pnuematic Tank
86							15						Seepage Pit / Seepage Bed / Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well / Pump / Tank	Nonconforming Existing								

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

8. Well is intended to supply water for: house

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	205

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
6"	black steel pipe welded joints 18.97 lb. ASTM A120 1200 psi Valley Steel	Surface	112

5. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
clay	Surface	56
sandy gravel	56	68
clay	68	101
hardpan	101	112
limestone	112	205

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☒ Rotary-hammer w/drilling mud ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air
☐ Rotary-w/drilling mud ☐ Reverse Rotary ☐ Water

Well construction completed on 7-2 19 85

11. MISCELLANEOUS DATA
Yield Test: 5 Hrs. at 12 GPM
Depth from surface to normal water level 48 Ft.
Depth of water level when pumping 102 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 7-3 19 85

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Richard Roschi Registered Well Driller

Business Name and Complete Mailing Address:
Roschi Bros. Well Drilling & Pumps, Inc.
12665 W. Lisbon Rd. Brookfield, Wis. 530(

Well Construction Report For WISCONSIN UNIQUE WELL NUMBER AE032

APR 8 1988

State of Wisconsin
Department of Natural Resources
Private Water Supply — WS/2
Box 7921
Madison, WI 53707

Property Owner: R Gemall — Telephone Number: ( )

Mailing Address: 8809 S. Howell Ave.

City: Oak Creek — State: Wisc — Zip Code: 53154

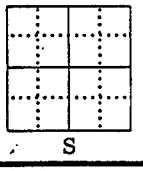
County: Mil w 41 — County Well Location Permit No.: W — Well Completion Date: 4/1/88 (M M D D Y Y)

Well Constructor (Business Name): L L May Well Drilling — License #: 9

Address: 9112 S. 13th ST.

City: Oak Creek — State: Wisc — Zip Code: 53154

2. Mark well location in correct 40-acre parcel of section.



1. Location (Please type or print using a black pen.)

☐ Town ☒ City ☐ Village of Oak Creek — Fire # (if available)

Grid or Street Address or Road Name and Number (if available): 8809 S. Howell Ave.

Subdivision Name — Lot # — Block #

Gov't Lot # — SE¼ of NE¼ of NE¼ of Section 20; T 5 N; R 22 ☒ E ☐ W

3. Well Type ☒ New ☐ Replacement ☐ Reconstruction/Rehabilitation

of well constructed in 1988.

Reason for new, reconstructed, replaced, or rehabilitated well? New water

☒ Drilled ☐ Driven Point ☐ Jetted ☐ Other

4. Well serves 1 # of homes and/or business (ex: barn, restaurant, church, school, industry, etc.)

High Capacity Well? ☐ Yes ☒ No

High Capacity Property? ☐ Yes ☒ No

5. Well Located on Highest Point of Property, Consistent with the General Layout and Surroundings? ☒ Yes ☐ No

Well Located in Floodplain? ☐ Yes ☒ No

Distance In Feet From Well To Nearest:

- ____ 1. Landfill
- ____ 2. Building Overhang
- ____ 3. Septic or Holding Tank
- ____ 4. Sewage Absorption Unit
- ____ 5. Nonconforming Pit
- ____ 6. Buried Home Heating Oil Tank
- ____ 7. Buried Petroleum Tank
- ____ 8. Shoreline/Swimming Pool
- ____ 9. Downspout/Yard Hydrant
- ____ 10. Privy
- ____ 11. Foundation Drain to Clearwater
- ____ 12. Foundation Drain to Sewer
- ____ 13. Building Drain ☐ Cast Iron or Plastic ☐ Other
- 100 14. Building Sewer ☒ Gravity ☐ Pressure ☒ Cast Iron or Plastic ☐ Other
- ____ 15. Collector Sewer
- ____ 16. Clearwater Sump
- ____ 17. Wastewater Sump
- ____ 18. Paved Animal Barn Pen
- ____ 19. Animal Yard or Shelter
- ____ 20. Silo — Type
- ____ 21. Barn Gutter
- ____ 22. Manure Pipe ☐ Gravity ☐ Pressure ☐ Cast Iron or Plastic ☐ Other
- ____ 23. Other Manure Storage Other NR 112 Waste Source
- ____ 24.

6. Drillhole Dimensions

Dia. (in.)	From (ft.)	To (ft.)
10	surface	20
~~6~~ 5	20	200

Method of constructing upper enlarged drillhole. (If applicable ✓ more than one.)

- ☐ 1. Rotary — Mud Circulation
- ☐ 2. Rotary — Air
- ☐ 3. Rotary — Foam
- ☐ 4. Reverse Rotary
- ☒ 5. Cable-tool Bit 10 in. dia.
- ☐ 6. Temp. Outer Casing ____ in. dia. Removed? ☒ Yes ☐ No If no, explain ____
- ☐ 7. Other ____

9. Geology — Type, Caving/Noncaving, Color, Hardness, Etc.

		From (ft.)	To (ft.)
-C-	Clay	surface	100
-P-	Hardpan	100	173
-L-	Limestone	173	200

7. Casing, Liner, Screen — Material, Weight, Specification Mfg. & Method of Assembly

Dia. (in.)		From (ft.)	To (ft.)
6	New, Steel Threaded + Coupled 19.45 lb/ft ASTM A53 USS Steel	surface	173

Dia. (in.)	screen type and material	From	To

10. Static Water Level: 40 ft. below ground surface

11. Pump Test: Pumping Level 50 ft. below surface; Pumping at 15 GPM for 30 hours

12. Well Is: ☒ Above ☐ Below Grade: 12 in.

Developed? ☒ Yes ☐ No

Disinfected? ☒ Yes ☐ No

Capped? ☒ Yes ☐ No

8. Grout or Other Sealing Material

Method ____

Kind of Sealing Material	From (ft.)	To (ft.)	# Sacks Cement
Drill Cuttings-mud	surface	20	

13. Were all unused, noncomplying, or unsafe wells properly filled with seal? ☒ Yes ☐ No If no, explain ____

14. Signature of Well Constructor: Donald L May DM — Date Signed: 4-6-88

Signature of Drill Rig Operator: Donald L May DM — Date Signed

Make additional comments on reverse side about geology, etc.

DNR
WGNHS ORIGINAL

WELL CONSTRUCTION REPORT
Form 3300-77A Rev. 8-87

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

FEB 10 1983

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ¼ Section or Gov't. Lot: SW of NW | Section: 22 | Township: 5N | Range: 22E
OR – Grid or Street No.: 2650 | Street or Road Name: E. Ryan Rd.
AND – If available subdivision name, lot & block No.: ✓ SW, SE, SWSE, Sec 22

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Michael D'Alessandro
ADDRESS: 1606 Hickory St.
POST OFFICE: Milwaukee, Wisc. ZIP CODE: 53172

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
10			NI							

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
135				Clearwater Dr.	Clearwater Sump						Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well	Nonconforming Existing								
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin	Other (Describe)
					Concrete Floor Only	
					Concrete Floor and Partial Concrete Walls	

5. Well is intended to supply water for: Commercial Bldg.

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
83/4	Surface	138			

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	New black steel pipe plain end welded joints .280 wall 18.97 lb.pr.ft.wt. ASTM-A120 Ilssen Steel Co. Mfgr.	Surface	138

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Bentonite & Cuttings	Surface	138

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Sand	Surface	34
Clay	34	132
Gravel	132	138

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☒ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with: ☐ Air ☐ Water

Well construction completed on Dec. 15, 1982

11. MISCELLANEOUS DATA
Yield Test: 1½ Hrs. at 15 GPM
Depth from surface to normal water level 8 Ft.
Depth of water level when pumping 40 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on Feb. 10, 1983

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Dennis Porter, Sec. Registered Well Driller

Business Name and Complete Mailing Address:
ECOFSKE - PORTER DRILLING INC.
RT. 2 BOX 98
MUKWONAGO, WIS. 53149

plot

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

DEC 29 1987

1. COUNTY: MILWAUKEE
CHECK (✓) ONE: ☐ Town ☐ Village ☑ City Name: OAK CREEK

2. LOCATION: ¼ Section or Gov't. Lot: ~~SE~~ ✓ | Section: SW, NW, 27 | Township: 5N | Range: 22E
OR – Grid or Street No.: 9800 | Street or Road Name: So. NICHOLSON RD
AND – If available subdivision name, lot & block No.:

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) O: MICHAEL KALHE
ADDRESS: 450 EAST DARIEN LA.
POST OFFICE: OAK CREEK WIS. ZIP CODE: 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. S
15	C.I.	Other	C.I.	Other 20	C.I. Sewer	Other Sewer	C.I.	Other	C.I. Othe

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pnuematic Tank
San.	Storm	C.I.	Other	Sewer		Sewage Sump	C.I. Other				Seepage Pit	
120				Clearwater Dr.		Clearwater Sump 14		17			Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well	Nonconforming Existing								
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: HOME

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	194

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
7	23 LBS PERFI A-120 1200 PSI	Surface	162
	WELDED		
	VALLEY STEEL		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
DRILL CUTTINGS	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
CLAY	Surface	75
HARD PAN	~~75~~ 162	162
LIME STONE	162	194

10. TYPE OF DRILLING MACHINE USED

☑ Cable Tool	☐ Rotary-hammer w/drilling mud & air	☐ Jetting with
☐ Rotary-air w/drilling mud	☐ Rotary-hammer & air	☐ Air ☐ Water
☐ Rotary-w/drilling mud	☐ Reverse Rotary	

Well construction completed on 9-16 1987

11. MISCELLANEOUS DATA
Yield Test: 4 Hrs. at 10 GPM
Depth from surface to normal water level 21 Ft.
Depth of water level when pumping 138 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 10 inches ☑ above ☐ below final grade
Well disinfected upon completion ☑ Yes ☐ No
Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to MIDWEST LABS laboratory on NOV 19 8

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Michael Hartman
Registered Well Driller

Business Name and Complete Mailing Address:
MICHAEL HARTMAN WELL DRILLING
N5290 Marshall Dr
Hartland, WI 53029

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300-15 Rev. 2-79

MAY 13 1985

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ¼ Section or Gov't. Lot: NE, NE, NE | Section: 27 | Township: 5N | Range: 22E
OR – Grid or Street No.: 3020 E. | Street or Road Name: Forest Lq,
AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Loyal Grinker
ADDRESS: 416 W. Walnut
POST OFFICE: Milwaukee, Wi. ZIP CODE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sewer C.I.	Storm Bldg. Sewer Other
24			58							

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
											66		Seepage Pit / Seepage Bed 78 / Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well / Pump / Tank	Nonconforming Existing								

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: Existing Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8 3/4	Surface	135			
6	135	427			

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	New black Steel	Surface	135
	Pipe, plain end welded	Joints	
	18.97 lb. pr. ft.	Wt. .280 Wall	
	Astm-A53	B	
	NKK Mfgr.	Japan	

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Bentonite & Cuttings	Surface	135

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	134
Lime stone	134	312
Lime stone / shale	312	408
Shale	408	427

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☒ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with Air ☐ Jetting with Water

11. MISCELLANEOUS DATA
Yield Test: 1½ Hrs. at 5 GPM
Depth from surface to normal water level 41 Ft.
Depth of water level when pumping 190 Ft. Stabilized ☒ Yes ☐ No

Well construction completed on April 29 19 85
Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on May 7 19 85

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Dennis Porter, Pres. Registered Well Driller

Business Name and Complete Mailing Address:
EGGERT - PORTER DRILLING INC.
RT. 2 BOX 98
MUKWONAGO, WIS. 53149

p/c

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

MAY 20 1981

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City Name: Oak Creek

2. LOCATION ¼ Section or Gov't. Lot: NE, SE, SE | Section: 28 | Township: 5-N | Range: 22-E
OR – Grid or Street No.: 10130 | Street or Road Name: So. Mc Graw Dr.
AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: John Osten
ADDRESS: 10130 So Mc Graw Dr.
POST OFFICE: Oak Creek Wis. | ZIP CODE: 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
12				Plastic P.V.C. 14"		P.V.C. 14"				

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer		Sewage Sump					Seepage Pit	
100				Clearwater Dr.		Clearwater Sump	12				Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well									
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)
						Schedule 40 7-9-81

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	10			
6	10	149			

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	Steel Casing 19.45 # To C. New AstmA53 sumitomo	Surface	144

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clay Slurry	Surface	10

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	18
Sand	10	35
Stony Clay	35	63
Hard Pan	63	73
Stony Clay	73	136
Hard Pan	136	144
Lime Rock	144	149

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with Air ☐ Water

Well construction completed on May 9, 1981

11. MISCELLANEOUS DATA
Yield Test: 3 Hrs. at 15 GPM
Depth from surface to normal water level 36 Ft.
Depth of water level when pumping 36 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on May 9, 1981

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: David J. Ricker Registered Well Driller

Business Name and Complete Mailing Address: 10981 W. Forest Home Ave. Hales Corners, Wis.

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

SEP 26 1980

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ¼ Section: NW,NE,SE, | Section: 28 | Township: 5N | Range: 22E
OR – Grid or Street No.: 9931 | Street Name: S. McGraw Drive
AND – If available subdivision name, lot & block No.:

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE
Excellency Homes
ADDRESS: 4644 S. 76th St.
POST OFFICE: Greenfield

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewe	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
12			not in							

Street Sewer		Other Sewers		Foundation Drain Connected to:				Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other				Seepage Pit	
				Clearwater Dr.		Clearwater Sump	12						Seepage Bed	
													Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well	Nonconforming Existing							
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: house

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	222

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	black steel pipe	Surface	
	welded joints		
	18.97 lb. ASTM A53		
	Valley steel		155

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
drilling mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
clay	Surface	130
hardpan	130	155
limestone	155	222

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☒ Rotary-hammer w/drilling mud & air ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air
☐ Rotary-w/drilling mud ☐ Reverse Rotary ☐ Water

Well construction completed on 9-4 19 80

11. MISCELLANEOUS DATA
Yield Test: 5 Hrs. at 20 GPM
Depth from surface to normal water level 80 Ft.
Depth of water level when pumping 83 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 9-5 19 80

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Richard Raschi Registered Well Driller

Complete Mail Address: 12665 W. Lisbon Rd. Brookfield, Wis. 5300

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

DEC 29 1987

1. COUNTY: MILW.

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City Name: OAK CREEK

2. LOCATION: ¼ Section or Gov't. Lot ✓: SW, SW, SE; Section: 30; Township: 5N; Range: 22E (P.P.)

OR – Grid or Street No.: 10255; Street or Road Name: JUDITH LA

AND – If available subdivision name, lot & block No.:

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE: CAMBRIDGE HOMES

ADDRESS: 4551 DOUGLAS AVE

POST OFFICE: RACINE WIS ZIP CODE: 53402

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
15				50						

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
100				Clearwater Dr.	Clearwater Sump 14			60			Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well									
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: HOME

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	280

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
7	23LBS PER FT A120 200 PSI TESTED VALLEY STEEL WELDED	Surface	205

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
DRILL CUTTINGS	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
CLAY	Surface	160
HARDPAN	160	205
LIMESTONE	205	280

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Rotary-hammer w/drilling mud & air ☐ Jetting with
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air ☐ Air ☐ Water
☐ Rotary-w/drilling mud ☐ Reverse Rotary

Well construction completed on 8-3 19 87

11. MISCELLANEOUS DATA

Yield Test: 4 Hrs. at 10 GPM

Depth from surface to normal water level 50 Ft.

Depth of water level when pumping 60 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 10 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to MADISON laboratory on AUG 19 87

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Registered Well Driller

Business Name and Complete Mailing Address: MICHAEL HARTMAN WELL DRILLING
N82 W28630 Marshall Dr
Hartland, WI 53029

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 5-85

AUG 18 1987

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION
¼ Section or Gov't. Lot: SW SW SE | Section: 30 | Township: 5N | Range: 22E
OR – Grid or Street No.: 10261 | Street or Road Name: Judith Lane
AND – If available subdivision name, lot & block No.:

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE
BADGER Homes
ADDRESS: Box 51
POST OFFICE: New Berlin
ZIP CODE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewe	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
17				65						

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
				Clearwater Dr.	Clearwater Sump						Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well	Nonconforming Existing								
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin	Other (Describe)
					Concrete Floor Only	
					Concrete Floor and Partial Concrete Walls	

5. Well is intended to supply water for: 1 home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
12	Surface	20	6	206	282
6¼	20	206			

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
7	00 C¼ ID steel 26# Astm A-120 USP. Welded 1200 PSI	Surface	201

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clay Slurry	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	194
gravel	194	206
Limerock	206	282

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary
☐ Jetting with ☐ Air ☐ Water

Well construction completed on Aug 12 1987

Well is terminated 12 inches ☐ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

11. MISCELLANEOUS DATA
Yield Test: 6 Hrs. at 10 GPM
Depth from surface to normal water level 55 Ft.
Depth of water level when pumping 150 Ft. Stabilized ☒ Yes ☐ No

Water sample sent to MADISON laboratory on Aug 17 1987

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Richard Mauer Registered Well Driller

Business Name and Complete Mailing Address
SUBURBAN WELL DRILLING
RT 4 MUKWONAGO

AUG 3 1 1987

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 3-87

1. COUNTY Milwaukee

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City Name Oak Creek

2. LOCATION

¼ Section or Gov't. Lot	Section	Township	Range
NW, SW, SE¼	30	T5N	R22E

OR – Grid or Street No. 10170 | Street or Road Name South Judith Place

AND – If available subdivision name, lot & block No.

3. NAME ☐ OWNER ☒ AGENT AT TIME OF DRILLING CHECK (✓) ONE
Oakmont Homes, Inc. owner: Ronald Kuehn

ADDRESS 7330 W. Layton Avenue

POST OFFICE Milwaukee, Wisconsin ZIP CODE 53220

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sew
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I. Oth
14									

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pnuematic Tank
San.	Storm	C.I.	Other	Sewer		Sewage Sump					Seepage Pit	
79				Clearwater Dr.		Clearwater Sump					Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basi
		Well									
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin Concrete Floor Only Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8 3/4	Surface	195			
6	195	282			

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	18.97 lbs. per foot New steel plain end ASTM A120 Interlake	Surface	195

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clay slurry & drilling mud	Surface	195

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	195
Limestone	195	282

10. TYPE OF DRILLING MACHINE USED

☐ Cable Tool ☒ Rotary-hammer w/drilling mud & air ☐ Jetting with ☐ Air ☐ Water
☐ Rotary-air w/drilling mud ☐ Rotary-hammer & air
☐ Rotary-w/drilling mud ☐ Reverse Rotary

Well construction completed on August 7, 1987

11. MISCELLANEOUS DATA

Yield Test: 5 Hrs. at 17 GPM

Depth from surface to normal water level 97 Ft.

Depth of water level when pumping 125 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on August 10, 1987

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature John Herr Estate Registered Well Driller

Business Name and Complete Mailing Address
Herr Well Drilling, Inc.
W295 Herr Road, Dousman, Wisconsin 53118

JUL 14 1980

State of Wisconsin
Department of Natural Resources
Box 450
Madison, Wisconsin 53701

NOTE:
White Copy – Division's Copy
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Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15
Rev. 10–75

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ✓ NW, SW, ¼ Section: SE | Section: 30 | Township: 5-N | Range: 22-E
OR – Grid or Street No.: 10142 | Street Name: So. Judith Place
AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Dale Merjenski
ADDRESS: 10142 So. Judith Place
POST OFFICE: Oak Creek, Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain C.I.	Sanitary Bldg. Drain Other	Sanitary Bldg. Sewer C.I.	Sanitary Bldg. Sewer Other	Floor Drain Connected To: C.I. Sewer	Floor Drain Connected To: Other Sewer	Storm Bldg. Drain C.I.	Storm Bldg. Drain Other	Storm Bldg. Sew C.I.	Storm Bldg. Sew Other
12			18		18					

Street Sewer San.	Street Sewer Storm	Other Sewers C.I.	Other Sewers Other	Foundation Drain Connected to: Sewer	Foundation Drain Connected to: Sewage Sump	Foundation Drain Connected to: Clearwater Dr.	Foundation Drain Connected to: Clearwater Sump	Sewage Sump C.I.	Sewage Sump Other	Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit
75							12						Seepage Pit / Seepage Bed / Seepage Trench

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well / Pump / Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20			
6	20	295			

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	Steel Casing 19.45 T&C, New Astm A120 union steel	Surface	198

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clay Slurry	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	45
Stony Clay	45	65
Sandy Clay	65	170
Hard Pan	170	198
Lime Rock	198	295

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with Air ☐ Water

Well construction completed on July 3, 1980

11. MISCELLANEOUS DATA
Yield Test: 7 Hrs. at 10 GPM
Depth from surface to normal water level 66 Ft.
Depth of water level when pumping 145 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on July 3, 1980

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: David J. Acker — Registered Well Driller

Complete Mail Address: 10981 A. Forest Home Ave. Hales Corners, Wis.

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
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Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

DEC 29 1980

1. COUNTY: Milwaukee

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City Name: Oak Creek

2. LOCATION: ¼ Section or Gov't. Lot: ✓ SW, SW, NW | Section: 30 | Township: 5-N | Range: 22-E

OR – Grid or Street No.: 9840 | Street or Road Name: So. 27th Street

AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Milwaukee Concrete Studios LTD.

ADDRESS: 9840 So. 27th Street

POST OFFICE: Oak Creek WI | ZIP CODE: 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
20			60		60					

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
				Clearwater Dr.	None Clearwater Sump					70	Seepage Bed	
											Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well									
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin / Concrete Floor Only / Concrete Floor and Partial Concrete Walls	Other (Describe)

5. Well is intended to supply water for: Office & Ornamental Concrete Factory

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20			
6	20	250			

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	steel Casing 19.45 # T.&C. New Astm 120 Union	Surface	230

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
~~Drill Cuttings~~ Clay Slurry	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay (some Sand Mixed)	Surface	20
Sandy Clay	20	171
Hard Pan	171	191
Stony Clay	191	210
Hard Pan	210	230
Lime Rock	230	250

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool
☐ Rotary-air w/drilling mud
☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air
☐ Rotary-hammer & air
☐ Reverse Rotary
☐ Jetting with Air / Water

Well construction completed on December 16, 1980

11. MISCELLANEOUS DATA

Yield Test: 4 Hrs. at 20 GPM

Depth from surface to normal water level 44 Ft.

Depth of water level when pumping 50 Ft. Stabilized ☒ Yes ☐ No

Well is terminated 8 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on December 16, 1980

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: David J. Ahern Registered Well Driller

Business Name and Complete Mailing Address: 10981 W. South Howe Av. Hales Corners, Wis.

NOV 1 9 1987

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
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WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 12-76

1. COUNTY: Mil w
CHECK (✓) ONE: ☐ Town ☐ Village ☑ City
Name: Oak Creek

2. LOCATION
¼ Section ✓: SE, NE, NW | Section: 30 | Township: 5N | Range: 22E
OR – Grid or Street No.: 9625 | Street Name: S. 20th ST.
AND – If available subdivision name, lot & block No.:

3. NAME ☑ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE
Blue Beacon
ADDRESS: 9625 S. 20th ST.
POST OFFICE: Oak Creek

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
20	20		30							

Street Sewer		Other Sewers		Foundation Drain Connected to:				Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other				Seepage Pit	
				Clearwater Dr.		Clearwater Sump							Seepage Bed	
													Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well	Nonconforming Existing							
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: Truck Wash-Non potable

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	370

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	New, Steel Threaded + Coupled 19.45 lb/ft ASTM A-53 Newport	Surface	204

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
dr. ll Cuttings-mud	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	90
hard pan	90	204
limestone	204	370

10. TYPE OF DRILLING MACHINE USED
☑ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud ☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary ☐ Jetting with ☐ Air ☐ Water

Well construction completed on 2-31 1987

11. MISCELLANEOUS DATA
Yield Test: 24 Hrs. at 60 GPM
Depth from surface to normal water level 13 Ft.
Depth of water level when pumping 55 Ft. Stabilized ☑ Yes ☐ No

Well is terminated 10 inches ☑ above ☐ below final grade
Well disinfected upon completion ☑ Yes ☐ No
Well sealed watertight upon completion ☑ Yes ☐ No

Water sample sent to _____ laboratory on _____ 19___

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Donald May
Registered Well Driller

Complete Mail Address: 9112 S. 13th ST.

State of Wisconsin
Department of Natural Resources
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15 Rev. 12-76

84-004 DEC 27 1984

1. COUNTY: Milwaukee

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City — Name: Oak Creek

2. LOCATION: ✓ | ¼ Section: NW NW | Section: 31 | Township: 5N | Range: 22E

OR – Grid or Street No.: ~~2537~~ | Street Name: ~~W. Oakwood Rd.~~

AND – If available subdivision name, lot & block No.

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: St. John's School

ADDRESS: ~~10302~~ 9302 S. 27th Street

POST OFFICE: Oak Creek, WI 53154

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
20	50		100							

Street Sewer		Other Sewers		Foundation Drain Connected to:				Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other				Seepage Pit	
				Clearwater Dr.		Clearwater Sump							Seepage Bed	
													Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing		Subsurface Pumproom Nonconforming Existing	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well									
		Pump									
		Tank									

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)
					FILE I.D.: 84-004

5. Well is intended to supply water for: school

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	60	6	60	304

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
10	Steel, new, ASTM	Surface	60
	120, 34.25lb./ft		
	welded		
6	Steel, new, ASTM	0	226
	A-53 19.45lb./ft.		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Neat cement	Surface	60

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	60
Blue clay	60	125
Sand & gravel	125	155
Hardpan	155	226
Limestone	226	304
Well #1		
Perm Well# 90371		
CC: State Geologist		

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool
☐ Rotary-air w/drilling mud
☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air
☐ Rotary-hammer & air
☐ Reverse Rotary
☐ Jetting with Air Water

Well construction completed on 12-5 19 84

11. MISCELLANEOUS DATA

Yield Test: 5 Hrs. at 50 GPM

Depth from surface to normal water level 60 Ft.

Depth of water level when pumping 90 Ft. Stabilized ☒ Yes ☐ No

Spec. Cap. = 1.7 gpm/ft. d.d.

Well is terminated 24 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 12-12 1984

Your opinion concerning other pollution hazards, information concerning difficulties encountered, data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse.

Signature: [signature] Registered Well Driller

Complete Mail Address: 9112 S. 13th. St. Oak Creek

State of Wisconsin
Department of Natural Resources
Private Water Supply
Box 7921
Madison, Wisconsin 53707

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT
Form 3300–15 Rev. 2-79

JAN 29 1986

1. COUNTY: Milwaukee
CHECK (✓) ONE: ☐ Town ☐ Village ☒ City
Name: Oak Creek

2. LOCATION: ¼ Section or Gov't. Lot: NW, NE, NW | Section: 31 | Township: 5N | Range: 22E
OR – Grid or Street No.: 2211 | Street or Road Name: W. Oakwood Rd.
AND – If available subdivision name, lot & block No.:

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓) ONE: Robert Kuehn
ADDRESS: 2211 W. Oakwood Rd.
POST OFFICE: Oak Creek ZIP CODE:

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewer	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
15		45		45		45		45		55

Street Sewer		Other Sewers		Foundation Drain Connected to:				Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	Manure Hopper or Retention or Pneumatic Tank
San.	Storm	C.I.	Other	Sewer		Sewage Sump		C.I.	Other				Seepage Pit	
275				Clearwater Dr.		Clearwater Sump	25			25			Seepage Bed	
													Seepage Trench	

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit	Earthen Manure Basin
		Well	Nonconforming Existing								
		Pump									
		Tank									

Temporary Manure Stack or Platform	Watertight Liquid Manure Tank or Basin	Manure Pressure Pipe	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Manure Storage Basin	Other (Describe)
					Concrete Floor Only	
					Concrete Floor and Partial Concrete Walls	

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	306

7. CASING, LINER, CURBING AND SCREEN
Material, Weight, Specification Mfg. & Method of Assembly

Dia. (in.)	Mfg. & Method of Assembly	From (ft.)	To (ft.)
6	New Black A-53	Surface	214
	P.E. 19#		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clayslurry	Surface	20

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay	Surface	134
Sandyclay,	134	187
gravela and sand	187	214
limestone	214	306

10. TYPE OF DRILLING MACHINE USED
☒ Cable Tool ☐ Rotary-air w/drilling mud ☐ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air ☐ Rotary-hammer & air ☐ Reverse Rotary
☐ Jetting with ☐ Air ☐ Water

11. MISCELLANEOUS DATA
Yield Test: 18 Hrs. at 15 GPM
Depth from surface to normal water level 50 Ft.
Depth of water level when pumping 130 Ft. Stabilized ☒ Yes ☐ No

Well construction completed on 1-6 19 86
Well is terminated 12 inches ☒ above ☐ below final grade
Well disinfected upon completion ☒ Yes ☐ No
Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to Madison laboratory on 1-7 19 86

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: Steven J. Hartman Registered Well Driller

Business Name and Complete Mailing Address: HARTMAN WELL DRILLING & PUMP CO.
19350 W. Lincoln Avenue
New Berlin, WI 53151
547-5222

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

MAR 12 1980

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: Milwaukee

CHECK ONE: ☐ Town ☐ Village ☒ City

NAME: Oak Creek

2. LOCATION: ¼ Section: NW, NE, NW | Section: 31 | Township: 5N | Range: 22E

OR – Grid or street no.: 2231 | Street name: W. Oakwood Rd.

AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING: Mark Gastrow

ADDRESS: 2231 W. Oakwood Rd.

POST OFFICE: Oak Creek, Wis.

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER		FLOOR DRAIN		FOUNDATION DRAIN		WASTE WATER DRAIN	
		TILE	C. I.	TILE	SEWER CONNECTED	INDEPENDENT	C. I.	TILE
11	PVC 35					11		

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)

5. Well is intended to supply water for: Home

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	20	6	20	260

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	19-45 T.C. Black iron new. A.S.T.M. A 53B Sumitomo	Surface	215

9. FORMATIONS

Kind	From (ft.)	To (ft.)
Clay (stoney)	Surface	115
Clay (sandy)	115	145
Clay (blue)	145	195
Clay (stoney)	195	215
Limestone	215	260

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
Clay slurry	Surface	20

10. TYPE OF DRILLING MACHINE USED

☒ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☐ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Wa

Well construction completed on: Jan. 9 19 80

11. MISCELLANEOUS DATA

Yield test: 5 Hrs. at 12 GPM

Depth from surface to normal water level: 56 ft.

Depth to water level when pumping: 83 ft.

Well is terminated 8 inches ☒ above ☐ below final gra

Well disinfected upon completion ☒ Yes ☐ N

Well sealed watertight upon completion ☒ Yes ☐

Water sample sent to Madison laboratory on: March 7 19 80

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, s type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., shou be given on reverse side.

SIGNATURE: Kenneth J. Sweeney
Registered Well Driller

COMPLETE MAIL ADDRESS: 11221 W. St. Martin Rd. Franklin 5313

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

State of Wisconsin
Department of Natural Resources
Box 450
Madison, Wisconsin 53701

NOTE:
White Copy – Division's Copy
Green Copy – Driller's Copy
Yellow Copy – Owner's Copy

WELL CONSTRUCTOR'S REPORT

Form 3300–15
Rev. 10–75

APR 15 1986

1. COUNTY: ✓ MILWAKEE

CHECK (✓) ONE: ☐ Town ☐ Village ☒ City

Name: OAK CREEK

2. LOCATION: NW, NW, NE, ¼ Section ~~NW~~ | Section 36 | Township T5N | Range 22E

3. NAME ☒ OWNER ☐ AGENT AT TIME OF DRILLING CHECK (✓ ONE): WISCONSIN ELECTRIC COMPANY

OR – Grid or Street No.: 4401 | Street Name: EAST OAKWOOD RD.

ADDRESS: 231 W. MICHIGAN ST.

AND – If available subdivision name, lot & block No.

POST OFFICE: MILWAKEE, WIS. 53201

4. Distance in feet from well to nearest: (Record answer in appropriate block)

Building	Sanitary Bldg. Drain		Sanitary Bldg. Sewer		Floor Drain Connected To:		Storm Bldg. Drain		Storm Bldg. Sewe	
	C.I.	Other	C.I.	Other	C.I. Sewer	Other Sewer	C.I.	Other	C.I.	Other
40'										

Street Sewer		Other Sewers		Foundation Drain Connected to:		Sewage Sump		Clearwater Sump	Septic Tank	Holding Tank	Sewage Absorption Unit	
San.	Storm	C.I.	Other	Sewer	Sewage Sump	C.I.	Other				Seepage Pit	
				Clearwater Dr.	Clearwater Sump 70'				60'		Seepage Bed	
											Seepage Trench	70'

Privy	Pet Waste Pit	Pit: Nonconforming Existing	Subsurface Pumproom	Barn Gutter	Animal Barn Pen	Animal Yard	Silo With Pit	Glass Lined Storage Facility	Silo w/o Pit	Earthen Silage Storage Trench Or Pit
		Well	Nonconforming Existing							
		Pump								
		Tank								

Temporary Manure Stack	Watertight Liquid Manure Tank	Solid Manure Storage Structure	Subsurface Gasoline or Oil Tank	Waste Pond or Land Disposal Unit (Specify Type)	Other (Give Description)

5. Well is intended to supply water for: PRIVATE USE

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
8 3/4	Surface	159	6	159	235

7. CASING, LINER, CURBING AND SCREEN

Dia. (in.)	Material, Weight, Specification & Method of Assembly	From (ft.)	To (ft.)
6	NEW STEEL PIPE	Surface	159
	THREADED AND COUPPED		
	ASTM A-53		
	19.45 LBS. PER		
	FOOT.		

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
CLAY SLURRY	Surface	159

9. FORMATIONS

Kind	From (ft.)	To (ft.)
YELLOW CLAY	Surface	30
BLUE CLAY	30	140
CLAY HARD STONEY	140	159
LIME ROCK	159	235
WATER BEARING	190	

10. TYPE OF DRILLING MACHINE USED

☐ Cable Tool
☐ Rotary-air w/drilling mud
☒ Rotary-w/drilling mud
☐ Rotary-hammer w/drilling mud & air
☐ Rotary-hammer & air
☐ Reverse Rotary
☐ Jetting with: ☐ Air ☐ Water

11. MISCELLANEOUS DATA

Yield Test: 6 Hrs. at 15 GPM

Depth from surface to normal water level 80 Ft.

Depth of water level when pumping 90 Ft. Stabilized ☒ Yes ☐ No

Well construction completed on 3/19 19 86

Well is terminated 15 inches ☒ above ☐ below final grade

Well disinfected upon completion ☒ Yes ☐ No

Well sealed watertight upon completion ☒ Yes ☐ No

Water sample sent to RACINE HEALTH DEPT. laboratory on 3/19 19 86

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, seals, method of finishing the well, amount of cement used in grouting, blasting, etc., should be given on reverse side.

Signature: John Kigan
Registered Well Driller

Complete Mail Address:
23900 OVERSON Rd
Union Grove, Wis

plo

DEC 8 1981

WELL CONSTRUCTOR'S REPORT
FORM 3300–15

NOTE
WHITE COPY – DIVISION'S COPY
GREEN COPY – DRILLER'S COPY
YELLOW COPY – OWNER'S COPY

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
Box 450
Madison, Wisconsin 53701

1. COUNTY: MILWAUKEE
CHECK ONE: ☐ Town ☐ Village ☑ City
NAME: CUDAHY

2. LOCATION – ¼ Section: SW, SW, NW, Sec 26 | NE | Section: ~~27~~ | Township: 6N | Range: 22E
OR – Grid or street no.: 5015 So. | Street name: WHITNALL AVE
AND – If available subdivision name, lot & block no.:

3. OWNER AT TIME OF DRILLING: RICHARD LEIGH
ADDRESS: 5015 So. WHITNALL AVE
POST OFFICE: CUDAHY, WISCONSIN

4. Distance in feet from well to nearest: (Record answer in appropriate block)

BUILDING	SANITARY SEWER C. I.	SANITARY SEWER TILE	FLOOR DRAIN C. I.	FLOOR DRAIN TILE	FOUNDATION DRAIN SEWER CONNECTED	FOUNDATION DRAIN INDEPENDENT	WASTE WATER DRA C. I.	WASTE WATER DRA TILE
25	N		N		N		N	

CLEAR WATER DRAIN C. I.	CLEAR WATER DRAIN TILE	SEPTIC TANK	PRIVY	SEEPAGE PIT	ABSORPTION FIELD	BARN	SILO	ABANDONED WELL	SINK HOLE
N		N	N	N	N	N	N	N	N

OTHER POLLUTION SOURCES (Give description such as dump, quarry, drainage well, stream, pond, lake, etc.)
NONE

5. Well is intended to supply water for: BODY SHOP

6. DRILLHOLE

Dia. (in.)	From (ft.)	To (ft.)	Dia. (in.)	From (ft.)	To (ft.)
10	Surface	99	6	99	158

7. CASING, LINER, CURBING, AND SCREEN

Dia. (in.)	Kind and Weight	From (ft.)	To (ft.)
6	P.E. New Steel 18.97 #/Lin Ft ASTM-A-53 U.S. STEEL	Surface	99

9. FORMATIONS

Kind	From (ft.)	To (ft.)
SANDY CLAY	Surface	36
SAND	36	41
CLAY	41	99
LIMESTONE	99	158

8. GROUT OR OTHER SEALING MATERIAL

Kind	From (ft.)	To (ft.)
DRILLING MUD	Surface	99

10. TYPE OF DRILLING MACHINE USED
☐ Cable Tool ☐ Direct Rotary ☐ Reverse Rotary
☑ Rotary – air w/drilling mud ☐ Rotary – hammer with drilling mud & air ☐ Jetting with ☐ Air ☐ Water

Well construction completed on: 7/5 19 81

11. MISCELLANEOUS DATA
Yield test: 4½ Hrs. at 30 GPM
Depth from surface to normal water level: 25 ft.
Depth to water level when pumping: 60 ft.

Well is terminated 12 inches ☑ above ☐ below final grade
Well disinfected upon completion ☑ Yes ☐
Well sealed watertight upon completion ☑ Yes ☐

Water sample sent to: Somma-Frey laboratory on: 6/1 19 81

Your opinion concerning other pollution hazards, information concerning difficulties encountered, and data relating to nearby wells, screens, type of casing joints, method of finishing the well, amount of cement used in grouting, blasting, sub-surface pumprooms, access pits, etc., should be given on reverse side.

SIGNATURE: Emanuel Burgan
Registered Well Driller

COMPLETE MAIL ADDRESS: 609 So. 85 ST. WEST ALLIS, WIS.

Please do not write in space below

COLIFORM TEST RESULT	GAS – 24 HRS.	GAS – 48 HRS.	CONFIRMED	REMARKS

REV. 3–71

CBC ENVIRONMENTAL LABORATORIES INC.

Final Report

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018632
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:30
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18916
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95017/ABCDE/Groundwater/Site #0072-GP-030/2100 E. Grange Ave/Gumowski

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead,Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO3	<500	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0D	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	0.032	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96

CBC ENVIRONMENTAL LABORATORIES INC.

Final Report

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018632
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:30
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18916
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95017/ABCDE/Groundwater/Site #0072-GP-030/2100 E. Grange Ave/Gumowski

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo(a,h)anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno(1,2,3,c,d)pyrene	0.019	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	0.017	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.
D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.
Elevated Detection Limits :
@ = Due to matrix interference. # = Due to sample concentration.
$ = Due to sample quantity. + = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory

CBC ENVIRONMENTAL LABORATORIES INC.

Final Report

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018633
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 07:30
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18909
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95018/ABCDE/Groundwater/Site #0072-GP-031/2121 E. Grange Ave/Schmanz

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead, Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO3	<500	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	<0.0099	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96

Final Report

CBC ENVIRONMENTAL LABORATORIES INC.

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018633
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 07:30
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18909
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95018/ABCDE/Groundwater/Site #0072-GP-031/2121 E. Grange Ave/Schmanz

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo(a,h)anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno(1,2,3,c,d)pyrene	<0.0058	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	<0.016	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.
D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.
Elevated Detection Limits :
@ = Due to matrix interference. # = Due to sample concentration.
$ = Due to sample quantity. + = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory

CBC ENVIRONMENTAL LABORATORIES INC.

Final Report

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018634
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 09:00
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18907
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95019/ABCDE/Groundwater/Site #0072-GP-032/2130 E. Grange Ave/Mama Bear's

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead, Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO3	250000	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	<0.0099	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96

Final Report

CBC ENVIRONMENTAL LABORATORIES INC.

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018634
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 09:00
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18907
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95019/ABCDE/Groundwater/Site #0072-GP-032/2130 E. Grange Ave/Mama Bear's

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo(a,h)anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno(1,2,3,c,d)pyrene	<0.0058	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	<0.016	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.
D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.
Elevated Detection Limits :
@ = Due to matrix interference. # = Due to sample concentration.
$ = Due to sample quantity. + = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory

CBC ENVIRONMENTAL LABORATORIES INC.

Final Report

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018635
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:45
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18908
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95020/ABCDE/Groundwater/Site #0072-GP-033/2128 E. Grange Ave/Zalske

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
INORGANIC					
METALS					
Lead,Soluble	<2.0	ug/l	2.0	SW 7421	12/22/95
NONROUTIN					
MISCELLANEOUS					
Hardness, Total as CaCO3	250000	ug/l	500	SM 2340C	12/27/95
Total Hardness was subcontracted to Cardinal Environmental (Certification No. 460024950).					
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
HPLC					
1-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
2-Methylnaphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Acenaphthene	<0.25	ug/l	0.25	SW 8310	01/24/96
Acenaphthylene	<0.44	ug/l	0.44	SW 8310	01/24/96
Anthracene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(a)anthracene	<0.012	ug/l	0.012	SW 8310	01/24/96
Benzo(a)pyrene	<0.014	ug/l	0.014	SW 8310	01/24/96
Benzo(b)fluoranthene	<0.0099	ug/l	0.0099	SW 8310	01/24/96
Benzo(g,h,i)perylene	<0.032	ug/l	0.032	SW 8310	01/24/96
Benzo(k)fluoranthene	<0.0084	ug/l	0.0084	SW 8310	01/24/96
Chrysene	<0.016	ug/l	0.016	SW 8310	01/24/96

Final Report

CBC ENVIRONMENTAL LABORATORIES INC.

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018635
Lab Matrix: GW
Account Number: 923
Date Collected: 12/21/95 08:45
Collected By: Client
Date Received: 12/21/95 10:25
C of C Number: 18908
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: GP95020/ABCDE/Groundwater/Site #0072-GP-033/2128 E. Grange Ave/Zalske

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
Dibenzo(a,h)anthracene	<0.014	ug/l	0.014	SW 8310	01/24/96
Fluoranthene	<0.030	ug/l	0.030	SW 8310	01/24/96
Fluorene	<0.062	ug/l	0.062	SW 8310	01/24/96
Indeno(1,2,3,c,d)pyrene	<0.0058	ug/l	0.0058	SW 8310	01/24/96
Naphthalene	<0.24	ug/l	0.24	SW 8310	01/24/96
Phenanthrene	<0.026	ug/l	0.026	SW 8310	01/24/96
Pyrene	<0.016	ug/l	0.016	SW 8310	01/24/96
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95
pH (DRO)	<2.0	N/A	N/A	SW 9041	01/02/96
Diesel Range Organics	<100	ug/l	100	WIMODDRO	01/02/96

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.
D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.
Elevated Detection Limits :
@ = Due to matrix interference. # = Due to sample concentration.
$ = Due to sample quantity. + = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory

CBC
ENVIRONMENTAL LABORATORIES INC.

Final Report

Printed On: 01/25/96

Date of Report: 01/25/96
Project Number: 09526986
Lab ID: 95-0018636
Lab Matrix: GW
Account Number: 923
Date Collected: 12/20/95 00:00
Collected By: Client
Date Received: 12/21/95 10:30
C of C Number: 18916
Temperature: Received on Ice.

Attention: Lisa Broderick
Wisconsin Air National Guard
1723 E. Grange Avenue
Milwaukee WI 53207-6149

Sample Desc: Trip Blank/Groundwater/Site #0072-GP

Container Integrity: Meets Standard, Sample Integrity: Meets Standard

	Result	Unit	Quant Limit	Procedure	Test Date
ORGANIC					
GC VOLATILES					
pH (GC VOCs 8020)	<2.0	N/A	N/A	SW 9041	12/20/95
1,2,4-Trimethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
1,3,5-Trimethylbenzene	<1.0D	ug/l	1.0	SW 8020	12/20/95
Benzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Ethylbenzene	<1.0	ug/l	1.0	SW 8020	12/20/95
Methyl Tertiary Butyl Ether (MTBE)	<1.0	ug/l	1.0	SW 8020	12/20/95
o-Xylene	<1.0	ug/l	1.0	SW 8020	12/20/95
P,M-Xylenes	<1.0	ug/l	1.0	SW 8020	12/20/95
Toluene	<1.0	ug/l	1.0	SW 8020	12/20/95
LUST					
pH (GRO)	<2.0	N/A	N/A	SW 9041	12/20/95
Gasoline Range Organics	<100D	ug/l	100	WIMODGRO	12/20/95

All soil and water samples will be disposed of by CBC 60 days following date of receipt.
All waste samples (non-water, non-soil) will be returned 60 days following date of receipt.

N/T = Not Tested, N/A = Not Applicable, N/D = Not Detected.
D = Detected below the Quantitation Limit. J = Estimated below the Quantitation Limit.
Elevated Detection Limits :
@ = Due to matrix interference. # = Due to sample concentration.
$ = Due to sample quantity. + = Due to extract volume.

Reviewed and Approved by:

Authorized Signatory

CBC ENVIRONMENTAL LABORATORIES INC.

Wis. Air Nat'l Guard

Chain-of-Custody: 18916

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Page 1 of 5

140 EAST RYAN ROAD • OAK CREEK • WISCONSIN • 53154 • 414-764-7005 • 1-800-422-2195 • CLIENT SERVICES 414-768-7460 • FAX 414-764-0486

(1) CLIENT: ~~128th Medical Squadron~~ 1723 E. Grange Avenue, Milwaukee, WI 53207-6149

PROJECT NAME/#: 0072-GP-030 Sampling well water

PROJECT MANAGER: LISA D. BRODERICK, SRA AFSC: 4B051

SAMPLER: ~~[illegible] ENGINEERING TECHNICIAN~~

P.O. #

(3) UST STATE

WPDES
NPDES
RCRA
PECFA
OTHER

(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)

LAB USE ONLY

WORK ORDER #

ACCT # 923
DATE 12/21/95
TEMP \ NR \ ROI
CBC PROJECT NO.

(2) SAMPLE IDENTIFICATION	DATE	TIME	(4) GRAB	COMPOSITE	# OF CONTAINERS	SOIL	GROUND WATER	WASTE	WASTEWATER	OTHER	PRESERVATION TYPE	(6) GRO	PVOC	DRO	PAH	Pb	Hardness	(7) REMARKS
(1) GP95017	12/21	8:30 AM/PM	X		4		X				HCL	X						40mL, Returned on ice
(2) GP95017A	12/21	8:30 AM/PM	X		4		X				HCL		X					40mL, Returned on ice
(3) GP95017B	12/21	8:15 AM/PM	X		2		X				HCL			X				1 Liter Amber, Returned on Ice
(4) GP95017C	12/21	8:15 AM/PM	X		2		X				UNPRES				X			1 Liter Amber, Returned on Ice
(5) GP95017D	12/21	8:15 AM/PM	X		1		X				HNO_3					X		250mL, Returned on ice
(6) GP95017E	12/21	8:15 AM/PM	X		1		X				HNO_3						X	250mL, Returned on ice
(7) Trip Blank	12/20/95	AM/PM																18636
(8)		AM/PM																18632

TURNAROUND TIME IN WORKING DAYS
(NORMAL) *1 *2 *3 *4 *5 *6 *7 *8 *9 *10
* FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460
EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE
FAX # N/A PHONE # N/A

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Lisa D Broderick	12/21	10:25	LeAnn Seager	12/21/95	10:25
LeAnn Seager	12/22/95	10:30	TJ Lab		

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE
(PLEASE CIRCLE IF REQUIRED) PACKAGE A B
SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS

OTHER SPECIAL INSTRUCTIONS:
Site #0072-GP-030
3100 E. Grange Ave. (Gumowski)

IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL:
NAME: Lisa BRODERICK PHONE # 747-4103
SEND REPORTS TO 128th Medical Squadron
1723 E. Grange Avenue
[redacted]

CBC
ENVIRONMENTAL LABORATORIES INC.

Chain-of-Custody: 18909

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Page 2 of 5

140 EAST RYAN ROAD • OAK CREEK • WISCONSIN • 53154 • 414-764-7005 • 1-800-422-2195 • CLIENT SERVICES 414-768-7460 • FAX 414-764-0486

(1) CLIENT: ~~128th Medical Squadron~~ 1723 E. Grange Avenue, Milwaukee, WI 53207-6149
PROJECT NAME/#: 0072-GP-031
Sampling Well
~~PROJECT MANAGER~~
~~BIOENVIRONMENTAL ENGINEERING TECHNICIAN~~
SAMPLER:
P.O. #

(3) UST STATE
WPDES
NPDES
RCRA
PECFA
OTHER

(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)

LAB USE ONLY
WORK ORDER #
ACCT # 923
DATE 12/21/95
TEMP 1 NR 1 ROI
CBC PROJECT NO:

(2) SAMPLE IDENTIFICATION	DATE	TIME	(4) GRAB	COMPOSITE	#OF CONTAINERS	SOIL	GROUND WATER	WASTE	WASTEWATER	OTHER	PRESERVATION TYPE	(6) GRO	PVOC	DRO	OA/H	Pb	Hardness			(7) REMARKS
(1) GP95018	12/21	0800 AM/PM	X		4		X				HCL	X								40mL, Returned on Ice
(2) GP95018A	12/21	08:05 AM/PM	X		4		X				HCL		X							40mL, Returned on Ice.
(3) GP95018B	12/21	07:35 AM/PM	X		2		X				HCL			X						1 liter, Amber Returned
(4) GP95018C	12/21	07:38 AM/PM	X		2		X				UNPRES				X					1 liter, Amber, Return
(5) GP95018D	12/21	07:38 AM/PM	X		1		X				HNO_3					X				250mL, Returned on Ice
(6) GP95018E	12/21	07:30 AM/PM	X		1		X				HNO_3						X			250mL, Returned on Ice
(7)		AM/PM																		18633
(8)		AM/PM																		

TURNAROUND TIME IN WORKING DAYS
(NORMAL) *1 *2 *3 *4 *5 *6 *7 *8 *9 *10
* FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460
EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE
FAX # N/A PHONE # N/A

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
C. Broderick	12/21	10:25 AM/PM	LeAnn Seager	12/21/95	10:25 AM/PM
LeAnn Seager	12/21/95	10:30 AM/PM	To lab		AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM
		AM/PM			AM/PM

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE
(PLEASE CIRCLE IF REQUIRED) PACKAGE A B
SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS

OTHER SPECIAL INSTRUCTIONS:
Site #: 0072-GP-031
2131 Grange Ave.
(Schmanz)

IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL:
NAME: Lisa Broderick PHONE # 747-4103
SEND REPORTS TO 128th Medical Squadron
1723 E. Grange Avenue
Milwaukee, WI 53207-6149

CBC
ENVIRONMENTAL LABORATORIES INC.

Chain-of-Custody: 18907

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(1) CLIENT: ~~128th Medical Squadron~~ 1723 E. Grange Avenue, Milwaukee, WI 53207-6149
PROJECT NAME/#: 0072-GP-032 sampling well
PROJECT MANAGER: ~~TSGT D. BRODERICK, 128 AMDS/SGSL~~
~~"101 ENVIRONMENTAL ENGINEERING TECHNICIAN~~
SAMPLER:
P.O. #

(3) UST STATE
WPDES
NPDES
RCRA
PECFA
OTHER

(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)

LAB USE ONLY
WORK ORDER #
ACCT # 923
DATE 12/21/95
TEMP 1 NR V ROI
CBC PROJECT NO.

(2) SAMPLE IDENTIFICATION	DATE	TIME	(4) GRAB	COMPOSITE	# OF CONTAINERS	SOIL	GROUND WATER	WASTE	WASTEWATER	OTHER	PRESERVATION TYPE	(6) GRO	PVOC	DRO	PAH	Pb	Hardness			(7) REMARKS
(1) GP95019	12/21	09:10 AM/PM	X		4		X				HCL	X								40ml Returned after
(2) GP95019A		09:10 AM/PM	X		4		X				HCL		X							40ml
(3) GP95019B		09:05 AM/PM	X		2		X				HCL			X						1 liter Amber
(4) GP95019C		09:05 AM/PM	X		2		X				UNPRES				X					1 liter Amber
(5) GP95019D		09:05 AM/PM	X		1		X				HNO_3					X				250ml
(6) GP95019E		09:05 AM/PM	X		1		X				HNO_3						X			250ml
(7)		AM/PM																		
(8)		AM/PM																		18634

TURNAROUND TIME IN WORKING DAYS
(NORMAL) *1 *2 *3 *4 *5 *6 *7 *8 *9 *10
* FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460
EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE
FAX # N/A PHONE # N/A

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
[signature]	12/21	10:25	LeAnn Seager	12/21/95	10:25
LeAnn Seager	12/21/95	10:30	To Lab		

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE
(PLEASE CIRCLE IF REQUIRED) PACKAGE A B
SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS

OTHER SPECIAL INSTRUCTIONS:
Sub #: 0072-GP-032
(Mama Bear's) 2130 E. GRANGE

IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL:
NAME: LISA BRODERICK PHONE # 747-4103
SEND REPORTS TO 128th Medical Squadron
1723 E. Grange Avenue
Milwaukee, WI 53207-6

CBC
ENVIRONMENTAL LABORATORIES INC.

Chain-of-Custody: 18908

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Page 4 of 5

140 EAST RYAN ROAD • OAK CREEK • WISCONSIN • 53154 • 414-764-7005 • 1-800-422-2195 • CLIENT SERVICES 414-768-7460 • FAX 414-764-0486

(1) CLIENT: ~~128th Medical Squadron~~ ~~1723 E. Grange Avenue~~ Milwaukee, WI 53207-6149
PROJECT NAME/#: 0073-GP-033 Sampling Well
PROJECT MANAGER:
SAMPLER: L BRODERICK
P.O. #

(3) UST STATE
WPDES
NPDES
RCRA
PECFA
OTHER

(5) MATRIX ANALYSES REQUESTED (METHODS & DETECTION LIMITS)

LAB USE ONLY
WORK ORDER #
ACCT # 923
DATE 12/21/05
TEMP NR ROI
CBC PROJECT NO.

(2) SAMPLE IDENTIFICATION	DATE	TIME	(4) GRAB	(4) COMPOSITE	# OF CONTAINERS	SOIL	GROUND WATER	WASTE	WASTEWATER	OTHER	PRESERVATION TYPE	(6) GRO	PVOC	SVOC	PAH	Pb	Narchives		(7) REMARKS
(1) GP95020	12/21	07:05 AM/PM	X		4		X				HCL	X							40ml Returned on ice
(2) GP95020A		09:05 AM/PM	X		4		X				HCL		X						40ml
(3) GP95020B		08:45 AM/PM	X		2		X				HCL			X					1l Amber
(4) GP95020C		08:45 AM/PM	X		2		X				UNPRES				X				1l Amber
(5) GP95020D		08:45 AM/PM	X		1		X				HNO_3					X			250ml
(6) GP95020E		08:45 AM/PM	X		1		X				HNO_3						X		250ml
(7)		AM/PM																	18635
(8)		AM/PM																	

TURNAROUND TIME IN WORKING DAYS
NORMAL *1 *2 *3 *4 *5 *6 *7 *8 *9 *10
* FOR EXPEDITED TURNAROUND TIME CALL CLIENT SERVICES TO CONFIRM AVAILABILITY AT 414-768-7460
EXPEDITED RESULTS TO BE TRANSMITTED VIA: FAX PHONE
FAX # N/A PHONE # N/A

DATA PACKAGE OPTIONS AVAILABLE FOR A FEE
(PLEASE CIRCLE IF REQUIRED) PACKAGE A B
SEE BACK FOR COMPLETE PACKAGE DESCRIPTIONS

OTHER SPECIAL INSTRUCTIONS:
SUB TO#: 0073-GP-033
2138 E. ORANGE Ave
(Zaleski)

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
L Broderick	12/21	10:15	LeAnn Seager	12/21/05	10:25
LeAnn Seager	12/21/05	10:30	To Lab		

IN CASE WE HAVE QUESTIONS WHEN SAMPLES ARRIVE, CBC ENVIRONMENTAL LABORATORIES, INC. SHOULD CALL:
NAME: Lisa BRODERICK PHONE # 747-4103
SEND REPORTS TO ~~128th Medical Squadron~~ ~~1723 E. Grange Avenue~~ ~~Milwaukee, WI 53207-6149~~