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ERTEC WESTERN INC. LONG BEACH CA

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MX SITING INVESTIGATION. MINERAL RESOURCES SURVEY. SEVEN ADDITI--ETC(U)

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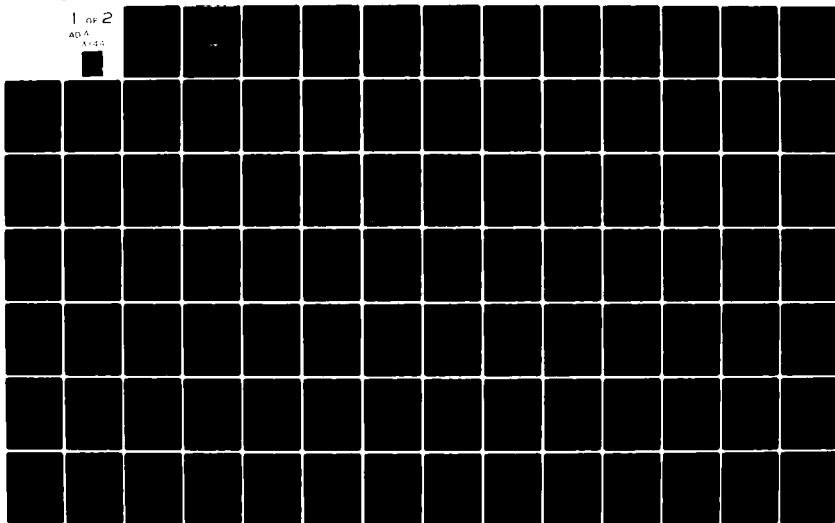
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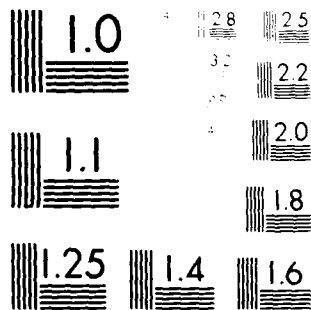
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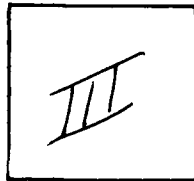


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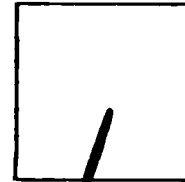
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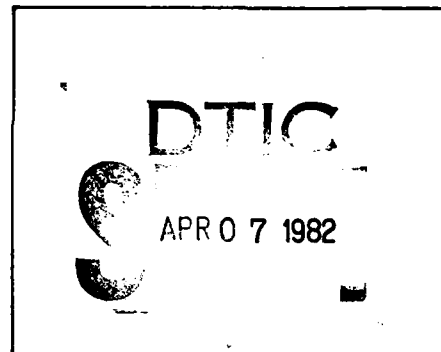
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Ertec
The Earth Technology Corporation

DRAFT

MINERAL RESOURCES SURVEY
SEVEN ADDITIONAL VALLEYS
NEVADA/UTAH SITING AREA

VOLUME II

Prepared for:

U. S. Department of the Air Force
Ballistic Missile Office
Norton Air Force Base, California 92409

Prepared by:

Ertec Western, Inc.
3777 Long Beach Boulevard
Long Beach, California 90807

23 June 1981

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER E-TR-50-II	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Mineral Resources Survey Seven Additional Valleys Nevada/Utah Siting Area Vol. II		5. TYPE OF REPORT & PERIOD COVERED Final
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Results of the evaluation of the mineral- and energy- resource potential of seven MX valleys in Nevada shows that besides the existing mining activities which occur in many mining districts in this area, a large portion of the area is also interpreted to possess high, good, and speculative potential for new economics discoveries to the year 2000 and beyond.		

VALLEY SUMMARY - 7 NORTH VALLEYS

STATE NEVADA

APPENDIX A-1

FEDERAL LEASE DATA

OIL & GAS

LOCATION	NUMBER OF ACRES	LEASE NUMBER	REMARKS
Big Smoky Valley	4,066	3 Leases	
Butte Valley	131,816	119 Leases	
Jakes Valley	99,069	79 Leases	
Kobeh Valley	45,176	23 Leases	
Long Valley	114,085	159 Leases	
Monitor Valley	295,945	151 Leases	
Newark Valley	108,258	92 Leases	
TOTAL	798,415	626 Leases	

VALLEY SUMMARY - 7 NORTH VALLEYS

STATE NEVADA

APPENDIX A-1

FEDERAL LEASE DATA

GEOTHERMAL

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
Big Smoky Valley	16,236	13 Leases	
Butte Valley	0	0 Leases	
Jakes Valley	0	0 Leases	
Kobeh Valley	0	0 Leases	
Long Valley	0	0 Leases	
Monitor Valley	0	0 Leases	
Newark Valley		0 Leases	
TOTAL	<u>16,236</u>	<u>13 Leases</u>	

APPENDIX A-1

VALLEY BIG SMOKY

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R T S LOCATION	NUMBER OF ACRES	LEASE NUMBER	REMARKS
43E 11N	160	N30166	
Total	400	N30188	
Total	560	2 Leases	
44E 12N	3506	N30192	
Total	3506	1 Lease	
BIG SMOKY TOTAL	4066	3 Leases	

APPENDIX A-1

VALLEY BIG SMOKY

STATE NEVADA

FEDERAL LEASE DATA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
40E	1S W1/2 24 W1/2 25	640	Nev. 067290	
40E	2S NE1/4 1	160	Nev. 067290	Part of 17-2 Lease
41E	4N 1	640	NG - 72 -10	Special Land Use Permit
41E	5N 36	640	NG - 71 -10	Part of above-Special Land Use Permit

APPENDIX A-1

VALLEY BUTTE VALLEY

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
60E 20N	1280 1600 1655 160 320 1280	N 6529 N 6530 N 6531 N 6712 N 12363 N 12364 6 leases	
Total	6295		
60E 21N	2240 1600 2560 2397 959 1279 320 480 2560	N 6533 N 6534 N 6535 N 6536 N 6537 N 11325 N 12487 N 12490 N 16329 9 leases	
Total	14,395		
60E 22N	1280 2240 1284 160 160 1760 480 321 1602 1920	N 6537 N 6538 N 9980 N 9980A N 10029 N 10029A N 11739 N 12482 N 12484 N 12485 10 leases	
Total	11,207		

APPENDIX A-1

OIL AND GAS

FEDERAL LEASE DATA

VALLEY BUTTE VALLEY

STATE NEVADA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
60E	23N	640	N 9983	
		1121	N 9983A	
		1280	N 10030	
		1280	N 10030A	
		640	N 12477	
		1923	N 12478	
		2560	N 12479	
		640	N 12480	
		1280	N 12481	
		640	N 12482	
	Total	12,004	10 leases	
60E	24N	1280	N 9965	
		640	N 14759	
		1920	N 14862	
		1760	N 17085	
		160	N 17087	
		960	N 22479	
		800	N 27328	
	Total	7520	7 leases	
61E	19N	40	N 5395	
		320	N 5816A	
		320	N 6377	
		40	N 11006	
		80	N 12818	
		240	N 18614	
		1280	N 22490	
		1280	N 22491	
		80	N 25428	
		1920	N 25845	
		960	N 25846	
		1760	N 27990	
	Total	8320	12 leases	

APPENDIX A-1

VALLEY BUTTE VALLEY

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R T S	LOCATION	NUMBER OF ACRES	LEASE NUMBER	REMARKS
61E	20N	2560 1280 1760 682 640 640 2343 1280 1959 640 670 1280 676 640 640 1324 1954 1280	N 5815 N 5817A N 6433 N 11326 N 11327 N 12389 N 14105 N 22493 N 22494 N 22495 N 22496 N 22497 N 22498 N 22499 N 22500 N 22501 N 22502 N 27991	
	Total	22,248	18 leases	
61E	21N	1440 1280 1120 640 2132 2125 1280 160	N 10229 N 10230 N 12082 N 12083 N 11913 N 11914 N 12520 N 15699	

APPENDIX A-1

VALLEY BUTTE VALLEY

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
61E	21N	2560 2080 320 2560 523 1365 1760 800 2530	N 15828 N 17940 N 18029 N 22503 N 22054 N 22505 N 22506 N 22507 N 26231	
	Total	24,675	17 leases	
61E	22N	1808 520 400 640	N 11915 N 11916 N 12475 N 27992	
	Total	3368	4 leases	
61E	24N	799 1814 2042 543	N 14864 N 14865 N 14866 N 14868	
	Total	5198	4 leases	
62E	19N	40 36 321 583 160 160	N 6405 N 11435 N 22510 N 22512 N 22514 N 22515	

APPENDIX A-1

VALLEY BUTTE VALLEY

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R	LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
	T	S			
62E	19N		71 160 304 75 1910	N 25433 N 26233 N 27332 N 27995 10 leases	
	Total				
62E	20N		1881 622 679 1280 1901 1948 2540 640 11,491	N 5818 N 22516 N 22517 N 22518 N 22519 N 22520 N 22522 N 25856 8 leases	
	Total				
62E	21N		633 1912 320 320 3155	N 22523 N 22524 N 27999 N 28907 4 leases	
	Total				
TOTAL-	BUTTE VALLEY		131,816	119 leases	

APPENDIX A-1

VALLEY BUTTE VALLEY
 STATE NEVADA

GEOTHERMAL

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
		NONE	

VALLEY

STATE

JAKES

NEVADA

APPENDIX A-1

FEDERAL LEASE DATA

OIL & GAS

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
59E	15N Total	1604 1604	N 6695 1 Lease	
59E	16N	320 2161 2080 1280 640 80	N 6683 N 6684 N 6685 N 6686 N 6687 N 11432	
	Total	6561	6 Leases	
59E	17N	1920 2560 2558 160 640 480	N 6683 N 14849 N 14850 N 17987 N 17990 N 17991	
	Total	8318	6 Leases	
59E	18N	320 1280 480 2400 2080 1120	N 6705 N 14106 N 14107A N 14108 N 14109 N 14110	
	Total	7680	6 Leases	

VALLEY JAKES

STATE NEVADA

APPENDIX A-1

FEDERAL LEASE DATA

OIL & GAS

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
60E	14N	693	N 6682	
		800	N 11918	
		152	Nev 066630	
		640	Nev 065534	
		480	Nev 065535	
	Total	2765	5 Leases	
	15N	320	N 5550	
		1440	N 6681	
		2502	N 6708	
		2400	N 6709	
		1760	N 6710	
60E	16N	675	N 11895	
		960	N 13235	
		2501	N 22463	
		2050	N 22464	
		675	N 25042	
	Total	19,823	Nev 065532 Nev 065533 12 Leases	
	16N	1283	N 6688	
		80	N 6693	
		40	N 22466	
		80	N 22467	
		294	N 22468	
60E	Total	1760	N 22469	
		400	N 22470	
		2398	N 22471	
		6335	8 Leases	

VALLEY JAKES STATE NEVADA

APPENDIX A-1

OIL & GAS

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
60E	17N	1280 2560 2352 1280 2352 960 2511 1600 2560 81	N 6688 N 6689 N 10839 N 12036 N 22472 N 22473 N 22474 N 22475 N 22476 N 22478	
	Total	17,536	10 Leases	
60E	18N	667 850 1539 2400 1920 2240 1920 800 2514 2518 1280	N 6706 N 11896 N 11897 N 11898 N 11899 N 11900 N 11901 N 11902 N 11903 N 11904 N 15694	
	Total	18,648	11 Leases	
60E	19N	574	N 6705	
	Total	574	1 Lease	

APPENDIX A-1

OIL & GAS

FEDERAL LEASE DATA

VALLEY JAKES

STATE NEVADA

R	LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
	T	S			
61E	14N		400	Nev 065534	
			170	Nev 066630	
	Total		570	2 Leases	
61E	15N		162	N 5550	
			719	N 6690	
			646	N 9722	
			162	N 13235	
			1634	N065531	
	Total		3323	5 Leases	
61E	16N		317	N 6692	
	Total		317	1 Lease	
61E	17N		1280	N 6694	
			2560	N 12039	
			748	N 12040	
			659	N 12041	
	Total		5247	4 Leases	
61E	18N		308	N 15011	
	Total		308	1 Lease	
	JAKES TOTAL		99,609	79 Leases	

APPENDIX A-1

VALLEY JAKES

GEOTHERMAL

STATE NEVADA

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
		NONE	

APPENDIX A-1

VALLEY JAKES

STATE NEVADA

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
59E	17N N 1/2 SE 1/4 3 SE 1/4 NE 1/4 3	120	N 4799 ARPT LSE	
60E	18N NE 1/4 30	160	N13088 FUP	Only the portion w/in study area is included

APPENDIX A-1

OIL & GAS

FEDERAL LEASE DATA

VALLEY KOBEH

STATE NEVADA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
50E	20N	480 1600 2560 950 800 583 6973 Total	N16921 N16922 N16923 N16925 N16928 N17909 6 Leases	
50E	21N	2558 2560 1280 1280 2560 2560 2549 2545 2400 2560 22,852 Total	N16926 N16927 N16928 N17910 N20399 N20400 N20401 N20402 N20406 N20407 10 Leases	

APPENDIX A-1

OIL & GAS

FEDERAL LEASE DATA

VALLEY KOBEL

STATE NEVADA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
50E	22N	1920	N16937	
		1920	N16942	
	Total	3840	2 Leases	
51E	21N	1921	N17427	
		2557	N17428	
		2555	N17429	
		2560	N17430	
		1918	N17431	
	Total	11,511	5 Leases	
	KOBEL TOTAL	45,716	23 Leases	

APPENDIX A-1

VALLEY KOBEN

GEOTHERMAL

STATE NEVADA

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
		NONE	

VALLEY

LONG VALLEY

STATE

NEVADA

APPENDIX A-1

OIL & GAS

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
57E	20N Total	644 644	N 17360 1 Lease	
57E	21N Total	640 1120 1760	N 18556 N 18557 2 Leases	
58E	18N Total	355 355	N 19851 1 Lease	
58E	19N	2375 1258 640 1920 2081 1280 1441 945 11,940	N 6516 N 6517 N 10219 N 13354 N 13355 N 13356 N 13357 N 19340 8 Leases	
58E	20N	2566 40 40 280 400 40 1307 1674	N 4842 N 5125 N 6094 N 6114 N 6114A N 6472 N 6518 N 6526	

VALLEY LONG VALLEY

LONG VALLEY

STATE
NEVADA

NEVADA

OIL & GAS

FEDERAL LEASE DATA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
58E	20N	40	N 6899	
		42	N 6900	
		40	N 6901	
		34	N 6902	
		40	N 6903	
		40	N 6904	
		40	N 6961	
		80	N 7002	
		40	N 7147	
		40	N 7148	
		40	N 7150	
		40	N 7151	
		40	N 7152	
		40	N 7153	
		40	N 7154	
		40	N 7155	
		40	N 7156	
		40	N 7238	
		40	N 7239	
		40	N 7240	
		80	N 7291	
		40	N 7310	
		2120	N 11100	
		200	N 11101	
		40	N 11102	
		160	N 11307	
		40	N 11308	
		80	N 19595	
		80	N 21956	
		2565	N 30495	
		160	N 30496	
		40	N 11099	
		12,788	40 Leases	
	Total			

OIL & GAS

VALLEY LONG VALLEY

STATE
NEVADA

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
58E	21N	2003 960 40 80 40 40 40 40 40 40 40 40 40 40 40 80 40 80 40 40 40 80 40 40 40 40 40 40 40 40 40 80 2565 2560	N 6524 N 6525 N 6905 N 6906 N 6907 N 7003 N 7004 N 7005 N 7006 N 7007 N 7008 N 7009 N 7078 N 7079 N 7081 N 7082 N 7157 N 7158 N 7159 N 7161 N 7162 N 7165 N 7166 N 7167 N 7168 N 7169 N 11005 N 11103 N 11310 N 11312	

VALLEY LONG VALLEY

APPENDIX A-1

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
58E	21N	40 80 960 680 2280 680 640 2157 2360 1400 80 440 40 40 80 40 160 80 21,565	N 11313 N 11314 N 11674 N 11676 N 11677 N 11678 N 11679 N 11841 N 11842 N 11843 N 12377 N 12879 N 16321 N 17936 N 18611 N 21420 N 26736 N 26737 48 Leases	
58E	22N	320 1600 638 1600 1280 1520 80 480 1599 1600 10,717	N 11316 N 11680 N 11730 N 11837 N 11838 N 11839 N 11839A N 11840 N 14486 N 16666 10 Leases	
	Total			

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VALLEY LONG VALLEY

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
58E	23N	1920 680 1440 2400 1939 1120 176 160	N 11104 N 11318 N 11542 N 12378 N 12379 N 12491 N 12517 N 21421	
	Total	9835	8 Leases	
59E	19N	960 800 1601 2001	N 6521 N 6522 N 13333 N 13334	
	Total	5362	4 Leases	
59E	20N	320 2240 1800 800 2505 1596 2275	N 6521 N 12061 N 13338 N 13339 N 13340 N 13341 N 21958	
	Total	11,536	7 Leases	

APPENDIX A-1

VALLEY LONG VALLEY

STATE NEVADA

OIL & GAS
FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
59E 21N	959 1915 1594 1601 1280 640	N 13301A N 13672 N 13673 N 26738 N 26739 N 26740	
Total	7989	6 Leases	
59E 22N	240 520 120 641 2560 959 1120 800 1276 360 80 80 360	N 12560 N 13301 N 13301A N 13302 N 13303 N 13364 N 13365 N 13366 N 13367 N 16322 N 25040 N 25423 N 27325	
Total	9116	13 Leases	

APPENDIX A-1

VALLEY LONG VALLEY

STATE NEVADA

OIL & GAS
FEDERAL LEASE DATA

R LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
59E 23N	1571 960 1920 1560 1440 480 320 280 80	N 11105 N 11323 N 13302 N 13304 N 13368 N 13370 N 14362 N 21960 N 21961	
Total	8611	9 Leases	
60E 24N	153 1714	N 17826 N 17827	
Total	1867	2 Leases	
TOTAL LONG VALLEY	114,085	159 Leases	

APPENDIX A-1

VALLEY LONG VALLEY

GEOTHERMAL

STATE NEVADA

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
		NONE	

APPENDIX A-1

OIL & GAS
FEDERAL LEASE DATA

VALLEY MONITOR
STATE NEVADA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
46E	10N	1927	N 18342	
		1280	N 18343	
	Total	3207	2 Leases	
46E	11N	640	N 18339	
		640	N 18340	
		960	N 18341	
	Total	2240	3 Leases	
46E	12N	1122	N 18105	
		160	N 18336	
	Total	1282	2 Leases	
46E	13N	800	N 18105	
		2520	N 18106	
		2561	N 18107	
	Total	5881	3 Leases	
47E	12N	1928	N 18108	
		1600	N 18109	
		640	N 18333	
	Total	4168	3 Leases	

APPENDIX A-1

OIL & GAS

FEDERAL LEASE DATA

VALLEY MONITOR

STATE NEVADA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
47E	13N	1743 2400 1760 2200 2450 2247 2240 2560 Total 17,600	N 18111 N 18113 N 18114 N 18115 N 18116 N 18117 N 18346 N 18347 8 Leases	
47E	14N	2560 2560 2520 2560 2200 2516 2049 Total 16,965	N 18120 N 18121 N 18122 N 18123 N 18124 N 18125 N 18126 7 Leases	
47E	15N	2491 2391 2539 2560 2560 2560 2520 80 480 Total 18,181	N 17888 N 17889 N 17911 N 17912 N 17913 N 17914 N 17915 N 18124 N 18126 9 Leases	

VALLEY MONITOR

STATE NEVADA

APPENDIX A-1

FEDERAL LEASE DATA

OIL & GAS

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
47E	16N	2101	N 17626	
		1048	N 17633	
		2532	N 20428	
		2560	N 20429	
		2560	N 20430	
		2560	N 20431	
		2560	N 20432	
		2560	N 20433	
		2560	N 20434	
	Total	21,041	9 Leases	
47E	17N	1120	N 17616	
		2560	N 17618	
		2520	N 17619	
		2560	N 17620	
		2560	N 17621	
		2457	N 17622	
		2559	N 20425	
		2506	N 20426	
		1661	N 20427	
	Total	20,543	9 Leases	

APPENDIX A-1

VALLEY MONITOR

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R T S	LOCATION	NUMBER OF ACRES	LEASE NUMBER	REMARKS
47E	18N	1920 1033 1715 1760 2080 783 1436 2373 2468 Total 15,568	N 17611 N 17612 N 17613 N 17614 N 17615 N 17616 N 20422 N 20423 N 20424 9 Leases	
47E	18 1/2	2388 2375 1043 Total 5806	N 20420 N 20421 N 20422 3 Leases	

APPENDIX A-1

VALLEY MONITOR

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
47E 19N	2080 2368 1600 1280 2560 2480 2560 2400	N 17639 N 17641 N 17643 N 20437 N 20438 N 20439 N 20440 N 20441	
Total	17,328	8 Leases	
47E 20N	1280	N 20437	
Total	1280	1 Lease	
48W 13N	2623 2204 421	N 18118 N 18119 N 19739	
Total	5248	3 Leases	

APPENDIX A-1

VALLEY MONITOR

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
48E	17N Total	2270 2270	N 17634 1 Lease	
48E	18N Total	640 2079 2298 2080 1249 7706	N 18259 N 20416 N 20417 N 20418 N 20419 5 Leases	
48E	19N Total	1444 2501 2080 1920 2560 2560 2560 2499 2240 20,364	N 17593 N 17594 N 17595 N 17596 N 20411 N 20412 N 20413 N 20414 N 20415 9 Leases	

APPENDIX A-1

VALLEY MONITOR

STATE NEVADA

OIL & GAS
FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
48E	20N	2560 1298 2560 2560 2560	N 16938 N 16939 N 17590 N 17591 N 17592	
	Total	11,538	5 Leases	
48E	21N	1200 2560 2090	N 16939 N 16940 N 16941	
	Total	5850	3 Leases	
48E	22N Total	1600 1600	N 16943 1 Lease	
49E	18N Total	1440 1440	N 17589 1 Lease	

APPENDIX A-1

OIL & GAS
FEDERAL LEASE DATA

VALLEY MONITOR
STATE NEVADA

R T S	LOCATION	NUMBER OF ACRES	LEASE NUMBER	REMARKS
49E	19N	800 1920 640 1477 2560 1920 2480 2225 624 160 14,806	N 16911 N 16912 N 16913 N 17584 N 17585 N 17586 N 17587 N 17588 N 17589 N 17590 10 Leases	
49E	20N	480 1600 2478 2360 1578 1920 1233 11,649	N 16893 N 16894 N 16895 N 16896 N 16897 N 16891 N 17908 7 Leases	
	Total			

APPENDIX A-1

OIL & GAS
FEDERAL LEASE DATA

VALLEY MONITOR

STATE NEVADA

R LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
49E 21N	662 2560 2560 2560 2560 2311 2560 2560 2270 1976 640	N 16897 N 16898 N 16899 N 16900 N 16901 N 16902 N 16903 N 16904 N 16905 N 16906 N 17910 11 Leases	
Total	23,219		
49E 22N	2560 2560 2557 2560 640	N 16907 N 16908 N 16909 N 16910 N 16942 5 Leases	
Total	10,877		
MONITOR TOTAL	295,945	151 Leases	

APPENDIX A-1

VALLEY MONITOR
 STATE NEVADA

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
		NONE	

VALLEY NEWARK STATE NEVADA

APPENDIX A-1

OIL & GAS FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
56E	16N	2560 2560 2560 640 1440 320 160	N 13986 N 13990 N 13991 N 13992 N 13993 N 13994 N 17232	
	Total	10,240	7 Leases	
56E	17N	641 80 40 2523 2560 80 1920 2560 1680 640 320	N 11076 N 11078 N 11296 N 13999 N 14000 N 11432 N 14001 N 14002 N 14003 N 14004 N 17204	
	Total	12,964	10 Leases	
56E	18N	40 2117 2560 2560 2560 600 40 1121	N 11079 N 14096 N 14097 N 14098 N 14099 N 14100 N 16150 N 17203	

APPENDIX A-1

VALLEY NEWARK

OIL & GAS

STATE NEVADA

FEDERAL LEASE DATA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	REMARKS
R	T S			
56E	18N	320	N 17204	
		80	N 20311	
		641	N 26769	
	Total	12,639	11 Leases	
56E	19N	480	N 10011	
		1360	N 10013	
		640	N 10013A	
		1760	N 10075	
		40	N 11297	
		40	N 12666	
		40	N 13031	
		640	N 14094	
		2240	N 16715	
		2480	N 16718	
		640	N 16720	
		1600	N 16878	
		40	N 19717	
	Total	12,000	13 Leases	
57E	16N	1355	N 7316	
		479	N 9784	
		1428	N 13983	
		320	N 13984	
	Total	3582	4 Leases	

APPENDIX A-1

VALLEY NEWARK
STATE NEVADA

OIL & GAS
FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
57E	17N	80 2551 2555 2560 2552 2560 2552 520 480 16,410	N 11081 N 13995 N 13996 N 13997 N 13998 N 14005 N 14006 N 14007 N 17228 9 Leases	
57E	18N	2522 2520 2528 2560 1280 1813 40 1440 1920 2400 80 19,103	N 14088 N 14089 N 14090 N 14091 N 14092 N 14100 N 17756 N 19847 N 19849 N 19850 N 26735 11 Leases	
	Total			

APPENDIX A-1

VALLEY NEWARK
STATE NEVADA

OIL & GAS
FEDERAL LEASE DATA

R	LOCATION T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
57E	19N	160 1560 40 2320 1919 1415 1016 1898 1280 1918	N 14473A N 6509 N 6509A N 6510 N 6514 N 10095 N 10214 N 10215 N 11740 N 11741 N 11803 N 11828 N 12079 N 12080 N 12081 N 14095 N 16720 N 19340	
	Total	18,280	18 Leases	
57E	20N	600 800 40 480 480 40 160 320 120	N 6511 N 6515 N 6733 N 10096 N 10098 N 11090 N 11091 N 11097 N 11098	
	Total	3040	9 Leases	
NEWARK TOTAL		108,258	92 Leases	

APPENDIX A-1

VALLEY NEWARK

GEO THERMAL

STATE NEVADA

FEDERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	REMARKS
		NONE	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

R	LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
	T	S			
40E	1S	14	1/18	Unknown	
40E	2S	14	1/20	Frank Lewis, 120 Greenridge Drive Reno, NV 89502	
40E	5N	6	1/20	Ray Wilcox, 890 Strada Vecchio Los Angeles, Calif 90024	
41E	1S	34	1/18+	Richard Ramirez 3588 Valley View Blvd. So. Las Vegas, NV 89103	
41E	2S	15&22	1/18+	S. & Lillian Abbinanti 22646 Ingomar Street Canoga Park, Calif 91304	
		22	2/40+	1/2 interest-John Corneveaux 2465 Kessler Place Tuscon, Arizona 85705	
		22	3/60	Frank Lewis, 120 Greenridge Dr. Reno, NV 89502	
		22	1/20	Richard Nash, 3701 Mill Road Reno, NV 89502	
		22	1/20	Rosemary Riebli, P.O. Box 3 Forestvill, Calif 95436	
41E	1N	34	1/20	Tom Moore, 4217 Del Monte Las Vegas, NV 89102	
		4	2/40	Frank Lewis, 120 Greenridge Drive Reno, NV 89502	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
R	T S			
41E	2N 31	3/60	Unknown	
41E	3N 3	1/20	Ken Polman, Silver Peak, NV 89047	
42E	2S 1	2/40	AAA Finance Corp., 2695 Del Rosa Ave San Bernardino, Calif 98104	
	1	2/40	Davis Goldfilled Mining C/O Ralph E. Davis, Box 43 Bonneville, Calif 65233	
	1,2	2/40	Margraf Explosives 4455 Capitol Mall 800 Sacramento, Calif 95814	
42E	2S 13	3+/60+	Clyde Bremer Goldfield, NV 89013	
	13	4+/80+	Houston Oil & Minerals 408 Rolmick Bldg, 222 Milwaukee St Denver, CO 80206	
42E	2S 14	2+/40	Unknown-maybe included in owners listed in S15, 22 or 23	
	15	1+/20+	Unknown-maybe included in owners listed in S15, 22, or 23	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
R	T S			
42E	2S 22	2+/40+	Unknown-maybe listed in owners listed in S15,22 or 23	
	23	1/20	Marth Rosaver, 243 No. Brent Ave. Ventura, Calif 93003	
	23	5/100	Davis Goldfield Mining Box 43, Boonevill, Mo. 65233	
	22	1/20	Richard Nash, 3701 Mill Road Reno, NV. 89502	
	22	1/20	Rosemary Riebli, P.O. Box 3 Forestvill, Calif 95436	
	13	3+/60+	Clyde Bremer Goldfield, NV. 89013	
	13	4+/80+	Houston Oil & Minerals 408 Rolmick Bldg, 222 Milwaukee St Denver, Co. 80206	
	23	1/20	Gary Kuehl, 2950 Mission Dr. #29 Solvang, Calif 93463	
	23	3/60	James Hird, 405 E. 17th Avenue Escondido, Calif 92025	
	23	1/20	F. W. Steiner, Box 2171 Reno, NV. 89505	
	23	2/40	Carl Schipp, 1600 Celis St., Sp. 12 San Fernando, Calif 91340	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
R	T S			
42E	2S 23	1/20+	Ralph E. Davis, Box 43 Booneville, MO. 65233	
	23	1/20	Ben Marcus, 510 Fremont St. Las Vegas, NV. 89100	
	19,30	2/40	Harold Burdick, Box 250 Coronado, Calif 92118	
	19,30	1/20	Leonard Dryer, 12616 Matteson Ave. Los Angeles, Calif 90066	
	19,30	3/60	Richard Ridgway, Box 238 Goldfield, NV. 89013	
	19,30	1/20	Taube Weiss, 68257 Calle Azteca Desert Hot Springs, Calif 92240	
	19,30	1/20	S. J. Barnes, Box 537 Chowchilla, Calif 93610	
	1	7/140	Margraf Explosives 455 Capital Mall 800 Sacramento, Calif 95814	
	1,6	3/60	Davis Goldfield Mining, Box 43 Booneville, MO. 65233	
	2	4/80	Celeste Federico/ Margrat Explosives 709 McLean Ave., Yonker, NY. 10704	
	2	1/20	Paul Burkett, 4518 Whitsett Studio City, Calif 91604	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

R	LOCATION T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
42E	2S 5	1/20	A. J. Anderson - newowner Address Unknown	
	5	5/100	Margraf Explosives	
	5	8/160	Deer Forest Inc, c/o Harold Wyman 15075 Fall River Dr., Ben, OR. 97701	
	6	3/60	Dr. Victor Relich, Box 5008 Richmond, Calif 94805	
	12	1/20	Houston Oil & Minerals	
	20	1/20	Evans Vandergrift 9910 Sago Lily Drive Sandy, UT. 84070	
	20	3/60	Ira Jacobson, Box 353 Tonopah, NV. 89049	
	20	1/20	Houston Oil & Minerals	
	26	4/80	Stan Skibo, Box 461 Goldfield, NV. 89100	
	26	3/60	Davis Goldfield Mining	
	26	1/20	Russell Manley, Box 538 Chesterton, Indiana 46304	
	26	2/40	Davis Goldfield Mining	
	26	1/20	Louis Tomao, 42480 US41 Frontage Rd. Zion, Illinois 60099	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
R	T S			
42E	2S 26	2/10	Louis Schmidt, 1924 Polaris Dr. Olendale, Calif 91208	
	26	4/80	Davis Goldfield Mining	
	26	1/20	Davis Goldfield Mining	
	26	2/40	Frank Trepe Goldfield, NV. 89013	
	26	1/20	County	
	26	1/20	Lee Bolman, 2059 Watsonia Terrace Hollywood, Calif 90068	
	26	1/20	Stan Skibo	
	26	1/20	Jensen Drilling, 1775 Henderson Ave. Eugene, OR. 97403	
	26	1/20	San Harper, 1314 No. Cole Ave. Hollywood, Calif 90028	
	26	1/20	Ralph Davies, et. al, Box 43 Booneville, MO. 65233	
	26	1/20	Ayako Wu, 5235 Pendleton St. San Diego, Calif 92109	
	26	1/20	Albert Hubbard 677 E. Channel Island Blvd. Oxnard, Calif 93030	
	26	5/100	Thomas Moore, 4217 Del Monte Las Vegas, NV. 89102	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
R	T S			
42E	2S 26	2/40	Russell Manley, Box 538aris Dr. Chesterton, Indiana 46304	
	29	1/20	Alice Neff, 391 Montclair Dr. #35 Big Bear City, Calif 92314	
	32	8/160	Deer Forest Inc.	
	32	2/40	Clyde Bremer, Goldfield NV 89013	
	32	1/20	George Chupick, 314 E. 216th St. Euclid, OJ 44123	
42E	1N 26,27	1/20	Jensen Drilling, 1775 Henderson Ave Eugene, OR 97403	
	7	1/20	La Fortuna Mining, 531 Woodington Lancaster, Calif 93534	
County records, township unsure				
42E	3N 7	8/100	James Keighly, 3216 Markridge Drive Reno, NV 89509	
42E	3N 18	5/100	University of Nevada	
42E	2N 32	12/240	Mackay School of Mines Reno, NV 89500	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

R	LOCATION T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
42E	5N 6,7,8	19/380	Anaconda Co., 555 17th Street Denver, CO 80217	
42E	6N 31,32		Included above	
43E	2S 5	2/40	R.E. Knepp, 6376 W. 5th Street Los Angeles, Calif 90048	
		1/20	R. C. Davis, Box 929 Minden, NV 89423	
		1/20	A. Bresly, C/O R.R. Bresly 2107 Pacific Anaheim, Calif 92804	
		1/20	Sam Hepner	
		1/20	Lela Jones, 7344 W. Manchester Ave Los Angeles, Calif 90045 Apt A	
	7,8	3/60	Houston Oil & Minerals	
43E	2S 8	1/20	Joe Jager, 4402 N. 75th St., East Lancaster, Calif 93534	
	17	12/240	Houston Oil and Minerals	
	17	1/20	Deer Forest Inc.	

APPENDIX A-2

VALLEY BIG SMOKY

STATE NEVADA

PATENTED CLAIMS

R	LOCATION T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
43E	2S 17	1/20	Albert Palmer, Box 76 Sheridan, Calif 95681	
	17	2/40	Eward Gorman, 39067 Sonora Ct. Fremont, Calif 94536	
	17	1/20	Robert Dreyer, 17074 Dearborn Northridge, Calif 91325	
	17	1/20	Jack Ridgeway, Goldfield, NV 89013	
	17	2/40	Rebecca King, 6937 E. Malvern Rd. Tucson, AZ 85710	
	17	2/40	Sarah Nell Carter 205 S. Parsonage St. Bennettsville, So. Car. 29512	
44E	10N 19	50/1000	Smokey Valley Mining Co. C/O Copper Range Co. New Orleans, LA 70160	
44E	10N 19	1/20	L.J. Larson, Box 848 Tonopah, NV 89049	
	19	2/40	Wm. E. Gergen C/O Marvin B. Sigler 3745 W. Valley Blvd. #154 Walnut, Calif 91789	

APPENDIX A-2

VALLEY BUTTE VALLEY

STATE NEVADA

PATENTED CLAIMS

LOCATION		NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
R	T S			
62E	20N 33	13/260	John G. Kromschroeder et al 4065 Bonita Rd./ Box 607 Bonita, Calif 92002	
62E	21N 20	1/5+	Unknown	
62E	23N 15	Claim Group 4/80	David A. Carter/ Box 1180 Elno, NV. 95540	
	22	2/40	David A. Carter	

APPENDIX A-2

VALLEY JAKES

STATE NEVADA

PATENTED CLAIMS

R T S LOCATION	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
		NONE	

APPENDIX A-2

VALLEY KOBEH

STATE NEVADA

PATENTED CLAIMS

R	LOCATION T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
51E	20N 17	1/20	Combined Metals Reduction Co. address unknown	
Total		1/20		

APPENDIX A-2

VALLEY LONG VALLEY

STATE NEVADA

PATENTED CLAIMS

R	LOCATION T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
			NONE	

APPENDIX A-2

VALLEY MONITOR

STATE NEVADA

PATENTED CLAIMS

R	LOCATION T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
45E	9N 36	1/20	County	
	36	4/80	Bernard & John Zunino, 371 Oak St. Elko, NV. 89801	
	36	14/280	Nevada Agribultural Foundation University Station, Box 8828 Reno, NV. 89507	
	36	5/100	Houston Oil Minerals C/O Clark & Co. 2510 Times Blvd. Houston, TX. 77005	
	36	7/140	Belmont Trust C/O R. Davidson McLean #1 Lincoln Center, Box 24695 Tampa, FL. 33623	
	36	1/20	Dorothy Boscovich, Box 591 Tonopah, NV. 89049	
	36	2/40	Andrew & Rita J. Eason, Box 147 Tonopah, NV. 89049	
	36	Millsite	Hoyt & Lois Lichlyter 128 E. Myrtle Ave. Phoenix, AZ. 85020	
May not all be within project area; exact locations unknown				

APPENDIX A-2

VALLEY NEWARK

STATE NEVADA

PATENTED CLAIMS

LOCATION R T S	NUMBER OF CLAIMS/ACRES	OWNER	REMARKS
		NONE	

VALLEY BIG SMOKY

APPENDIX A-3

STATE NEVADA

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
40E	1S	1	18/1	J. D. Maupin	Lode
40E	1S	1	108/6	J. H. Bright	Lode
		13	126/7	Rick Costello	Lode
		24	18/1	Rick Costello	Lode
		24	288/16	Footo Minerals	Placer
		25	288/16	Footo Minerals	Placer
40E	2S	1	144/8	Footo Minerals	Placer
40E	5N	1-5 10-12	3600/200	Anaconda	Lode
		30	54/3	Geochemical Surveys	Lode
		31	36/2	Geochemical Surveys	Lode
		31	18/1	John B. Martin	Lode
40E	1N	36	10/5	Brien Milinich	Lode
40E	4N	5	180/10	John B. Martin	Lode
		6	18/1	John B. Martin	Lode
		6	90/5	Geochemical Surveys	Lode
		7	72/4	Geochemical Surveys	Lode
40E	5N	32	72/4	John B. Martin	Lode
40E	6N	2	80/2	Oro Corporation	Placer
		3	120/3	Oro Corporation	Placer
		10	40/1	Oro Corporation	Placer
		32, 33, 36	1926/170	Anaconda	Lode
		33	120/3	Oro Corporation	Placer
		34	160/4	Oro Corporation	Placer
		35	40/1	Oro Corporation	Placer

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
40E	7N	2	80/2	Oro Corporation	Placer
		2,11	792/44	Vic L. Smith	Lode
		3	160/4	Oro Corporation	Placer
		5	360/9	Oro Corporation	Placer
		8	40/1	Oro Corporation	Placer
		10	80/2	Oro Corporation	Placer
		10	40/1	Bruce Trepl	Placer
		11	40/1	Bruce Trepl	Placer
		11	200/5	Oro Corporation	Placer
		12	640/51	Cameno Mining	Lode
		14	80/2	Oro Corporation	Placer
		15	160/4	Oro Corporation	Placer
		15	40/1	Bruce Trepl	Placer
		19,20	1280/110	Siskon Corporation	Lode
		22	120/3	Oro Corporation	Placer
		27	40/1	Oro Corporation	Placer
		30	144/8	Siskon Corporation	Lode
		31	80/2	Oro Corporation	Placer
		32	40/1	Oro Corporation	Placer
40E	8N	17-20 29-30	1242/69	Joseph Owens	Placer
41E	1S	4	18/1	Nick G. Banovich	Lode
		5	18/1	Nick G. Banovich	Lode
		6	90/5	Nick G. Banovich	Lode

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
41E	1S	6	18/1	J. D. Maupin	Lode
		7	36/2	Nick G. Banovich	Lode
		13	144/8	Dick Engle	Lode
		25	36/2	Dick Engle	Lode
		33	36/2	Jack C. Ridgway	Lode
41E	2S	1	18/1	Jack C. Ridgway	Lode
		11	18/1	Jack C. Ridgway	Lode
		12	216/12	Jack C. Ridgway	Lode
		12	18/1	Judith J. Chiatovich	Lode
		21	18/1	Clark L. Johnston	Lode
41E	1N	9	180/10	Gene Perry	Lode
		12	40/1	H. J. Randolph	Placer
		13	36/2	H. J. Randolph	Lode
		15	576/32	J. J. Randolph	Lode
		19	126/7	Energy Reserves Group	Lode
		19	18/1	Margaret H. Booth	Lode
		19	18/1	J. D. Maupin	Lode
		20	144/8	Energy Reserves Group	Lode
		21	18/1	Nick G. Banovich	Lode
		24	40/1	H. J. Randolph	Placer
		28	144/8	Energy Resources Group	Lode
		29	432/24	Energy Resources Group	Lode
		30	576/32	Energy Resources Group	Lode
41E	2N	6	18/1	Federal Resources Corp.	Lode
		11	216/12	Federal Resources Corp.	Lode
		12	486/27	Federal Resources Corp.	Lode
		13	324/18	Federal Resources Corp.	Lode
		14	108/6	Federal Resources Corp.	Lode

VALLEY BIG SMOKY

APPENDIX A-3

STATE NEVADA

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
41E	3N	1 1 1,11,14 2,11,12 12 13 31	216/12 324/18 4608/256 610/122 324/18 36/2 18/1	Falcon Exploration Pathfinder Mines Mineral Services Co. Uranium Co. Pathfinder Mines Pathfinder Mines Federal Resources Corp.	Lode Lode Lode Millsites Lode Lode Lode
41E	4N	25 26 35 36 25,35,36	252/14 18/1 126/7 612/34 2538/141	Pathfinder Mines Pathfinder Mines Pathfinder Mines Pathfinder Mines Mineral Services Co.	Lode Lode Lode Lode Lode-Overstaking
41E	4N	1 13,14 23-26	72/4 4266/237	J. A. Calder D. F. Sterek	Lode Lode
41E	5N	2 3 4,5,10 11,14,15 33 34	486/27 640/45 1280/263 18/1 18/1	Anaconda Anaconda Anaconda Anaconda Anaconda	Lode Lode Lode Lode Lode
41E	6N	4 5 25,26,27 33-36 32 35	540/30 18/1 828/46 18/1 18/1	Anaconda Anaconda Anaconda Anaconda Minerals Expl. Co.	Lode Lode Lode Lode Lode

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	T S			
41E	7N 3,4,9,10 8,9	1584/88 72	Federal Resources Uranium Co.	Lode Lode
41E	8N 36 36 36	520/104 160/32 380/76	Federal Resources Lee P. Hepfler R. J. Hepfler	Millsites Millsites Millsites
42E	1S 1 5 34	162/9 120/54 36/2	Hughes Tool Co. Earth Sciences Sam Hepner	Lode Millsites Lode
42E	2S 3 11 11 14 14 14 14 14 14 14 19 20 23 23 23 23	18/1 36/2 40/1 120/3 108/6 40/1 80/2 18/1 18/1 18/1 36/2 36/2 80/2 40/1	Sam Hepner Eddie Monarity Charles E. Succop Charles E. Succop Eddie Monarity Nancy Benke J. A. Peters, S. L. Cohn J. A. Willard R. Ridgway E. Nesser J. A. Willard E. Monarity David Van Gorder Fallas Cox	Lode Lode Placer Placer Lode Placer Placer-one each Lode Lode Lode Lode Lode Placer Placer
42E	2S 26 27	18/1 320/64	Fred Zimmerman Houston O & M	Lode Millsite

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
42E	1N	4	320/2	H. J. Randolph	Placer
		5	640/4	H. J. Randolph	Placer
		6	640/4	H. J. Randolph	Placer
		7	640/4	H. J. Randolph	Placer
42E	1N	8	640/4	H. J. Randolph	Placer
		9	320/2	H. J. Randolph	Placer
		15	160/1	H. J. Randolph	Placer
		16	640/4	H. J. Randolph	Placer
		17	640/4	H. J. Randolph	Placer
		18	640/4	H. J. Randolph	Placer
		19	640/4	H. J. Randolph	Placer
		19	105/21	H. J. Randolph	Placer
		20	640/4	Ebco Enterprises	Millsites
		21	640/4	H. J. Randolph	Placer
		22	320/2	H. J. Randolph	Placer
		23	36/2	Alpine Management Corporation	Lode
		23	18/1	Robert B. Patterson	Lode
		23	18/1	Lynn D. Fairbanks	Lode
		24	396/22	Eagle Expl. Service C/O H. Erickson	Lode
		24	54/3	Alpine Management Corporation	Lode
42E	1N	24	36/2	M. D. Ferguson	Lode
		24	18/1	D. L. Scott	Lode
		24	18/1	M. L. Walkenshaw	Lode
		24	18/1	R. Boozer	Lode
		24	36/2	S. Thompson	Lode
		24	18/1	G. Cleasby	Lode
		24	18/1	W. Beiguist	Lode
		24	18/1	S. D. Hoffinger	Lode
		24	18/1	G. L. Barton	Lode
		24	18/1		Lode

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
42E	1N	24	18/1	D. M. Barton	Lode
		24	18/1	R. B. Patterson	Lode
		24	18/1	Karen Patterson	Lode
		24	36/2	R. Doyle	Lode
		24	18/1	H. H. McQuiddy	Lode
		24	36/2	L. Noble	Lode
		24	18/1	A. Massaro	Lode
		25	486/27	Eagle Expl. Serv.	Lode
		25	108/6	Bob Bottom	Lode
		25	54/3	David Walker	Lode
		26	108/6	B. Wisdom, Marcus Horsenstem E. C. Hoggan, Alpine Magmnt, G. D. Fairbanks, J. Booner	Lode Claims-One Claim to each name
42E	1N	30	125/25	Maicon Expl.	Millsites
		35	36/2	B. Wisdom, K.J. Woodhea	Lodes-one to each
		36	180/10	Eagle Expl. Services	Lode
		36	54/3	J. E. Okies	Lode
42E	1N	36	36/3	Utah State Med. Assoc.	Lode
		36	36/2	D. H. Wray	Lode
		36	216/12	D. Tanner, S. Page, E. A. Desano, K. J. Woodhead, R. M. Holt, R. D. Spellberg, E. Tromouitch, B. Wisdom, L. H. Erickson, B. C. Eaves, V. Rouser, & G. G. Watts	Lode claims one claim per name

VALLEY BIG SMOKY

APPENDIX A-3

STATE NEVADA

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	T S			
42E	2N 18 20 29 29 30 31 31 32	378/21 108/6 378/24 320/2 160/1 320/2 36/2 640/4	Federal Resource Co. Federal Resource Co. Federal Resource Co. H. J. Randolph H. J. Randolph H. J. Randolph Federal Resources H. J. Randolph	Lode Lode Lode Placer Placer Placer Lode Placer
42E	3N 7 7 18 18	180/10 180/10 72/4 36/2	Pathfinder Mines Lucky Uranium Corporation Federal Resource Co. Pathfinder Mines	Lode Lode Lode Lode
42E	4N 29 30 31 32 31,32 32 33	18/1 72/4 640/39 180/10 576/32 280/56 360/20	Pathfinder Mines Pathfinder Mines Pathfinder Mines Pathfinder Mines Einar Erickson Mineral Services Co. M. M. O'Malley	Lode Lode Lode Lode Lode Millsite Lode
42E	5N 6 7	648/36 162/9	Anaconda Anaconda	Lode Lode
42E	5N 8 17 18,19,20 18 19,20 29 30 30	234/19 162/9 1044/58 90/5 1134/63 36/2 18/1 90/5	Anaconda Anaconda Phelps Dodge Anaconda Siskon Corporation Anaconda Geochemical Surveys Anaconda	Lode Lode Lode Lode Lode Lode Lode Lode

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

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VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	T			
43E	1S	6	Eagle Expl. Services	Lode
		6	L. Budwit	Lode
		6	G. Fuller	Lode
		6	S. Ego, Dr. H. West Jr., J. Mackay	Lode-one claim
		6	S. J. Roland, Darl Mining & Metals,	each name
		6	W. S. Weiler, B. T. Dixon,	
		6	G.L. Sander, J. D. Kiester, C. Hite,	
		6	J. E. Branin, L.F.G. Burton,	
		6	L. N. Shishmanian, L. Sutherland,	
		6	R. S. Smith	
		6	R. S. Smith	
		6	American Gen. Rec. Ford	
43E	2S	7	RCY Corp	Placer
		8	RCY Corp	Placer
43E	1N	31	G. L. Sander	Lode
		31	J. W. Duffin, J. Howard,	Lode-one claim
			S. M. Larsen, D. Repp, A. G. Vicent,	each name
			R. H. Hawke, R. S. Smith, S. Ego,	
			Dr. H. West Jr., G. Fuller, L. Budwit,	
			J. Mackay, Arm. Gen. Rec. Found.,	
			W. Kramer	
43E	7N	6	Inspiration Dev. Co.	Lode
43E	7N	6	W. B. Kohlmoos	Lode
		7	Inspiration Dev. Co.	Lode
		7	W. B. Kohlmoos	Lode

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R T LOCATION	NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
43E 8N 3,9,10 6 7 8 9 10 15 17 18 18 19 20 20 21 21 21 29 29 30 30 31 32 32	540/30 18/1 54/3 18/1 72/4 180/10 36/2 76/3 72/4 36/2 36/2 126/7 54/3 36/2 162/9 18/1 558/31 540/30 162/9 36/2 54/3 270/15 162/9	D. C. Hill D. C. Hill D. C. Hill D. C. Hill D. C. Hill D. C. Hill D. C. Hill Edward Smith Hazel Priester D. C. Hill D. C. Hill Houston Oil & Min. Edward Smith D. C. Hill Houston Oil & Minerals Gilbert Radke Houston O & M George Bell George Bell Hazel Priester, D. C. Hill George Bell George Bell Houston O & M E. A. Winter Nev. Parph. Gold Mines Inc. Bill Berg B.D.B. Mining Co.	Lode Lode Lode Lode Lode Lode Lode Lode 1 Placer, 2 Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode Lode
43E 9N 1,12 3 13 26,27	720/40 18/1 36/2 560/14		

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
43E	10N	20	5/1	Copper Range Co.	Millsite
		22	10/2	Copper Range Co.	Millsite
		24	440/88	Copper Range Co.	Millsite
		25	460/92	Copper Range Co.	Millsite
44E	10N	8	160/4	Donald F. Colson	Placer
		9	120/3	Donald F. Colson	Placer
		16	200/5	Donald F. Colson	Placer
		16	90/5	Copper Range Co.	Lode
		17	160/4	Donald F. Colson	Placer
		18	160/4	Donald F. Colson	Placer
		19	418/68	Copper Range Co.	6 Lode Claims 62 Millsites
					Lode
44E	11N	20	108/6	Copper Range Co.	Lode
		20	54/3	Galli Expl. Co.	Lode
		29	18/1	Galli Expl. Co.	Lode
		29	72/4	Leonard L. Fiancis	Lode
		29	306/17	Copper Range Co.	Lode
		28, 29	306/17	Argus Resources	Lode
		32, 33			
		28	216/12	Young Exploration	Lode
		29	162/9	Emco Inc.	Lode
		30	54/3	Emco Inc.	Lode
		31	162/9	Emco Inc.	Lode
		32	486/27	Emco Inc.	Lode
		28, 33	450/25	Cordex	Lode
		32	18/1	Marion O. Rodgers	Lode
		32	108/6	Everett Manly	Lode
		33	144/8	Everett Manly	Lode

VALLEY BUTTE VALLEY

APPENDIX A-3

STATE NEVADA

UNPATENTED CLAIMS

R T	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
61E	20N	6	144/8	Bear Creek Mining Co. Ely Uranium Co. Ely Uranium Co.	Lode Lode Lode
		11	360/20		
		14	72/4		
62E	20N	4	360/20	Normandy Expl.	Lode
62E	21N	17	36/2	U.S. Min. Expl. Co.	Lode
		18	18/1	U.S. Min. Expl. Co.	Lode
		20	180/10	Houston Oil & Minerals	Lode
		20	108/6	U.S. Min. Expl. Co	Lode

VALLEY JAKES

APPENDIX A-3

STATE NEVADA

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	S			
59E	15N	1 2	Exxon Corporation Exxon Corporation Exxon Corporation	Lode Lode Lode
60E	14N	3 4	Houston Int. Min. Corp. Houston Int. Min. Corp.	Lode Lode
60E	15N	7 18 19 30	Exxon Corporation Exxon Corporation Exxon Corporation Exxon Corporation	Lode Lode Lode Lode
61E	14N	6	Houston Int. Min. Corp.	Lode

VALLEY KOBEE

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	S			
50E	22N 23	18/1	Julian Simpson	Lode Medium
51E	20N 7	54/3	Charles Vaccaro	Lode High
	7	90/5	Combined Metals Red.	Lode High
	8	198/11	Combined Metals Red.	Lode High
	8	54/3	Charles Vaccaro	Lode High
	8	36/2	John Gebellini	Lode High
	9	54/3	Combined Metals Red.	Lode High
	16	108/6	Combined Metals Red.	Lode High
	17	90/5	John Gebellini	Lode High
	17	162/9	Charles Vaccaro	Lode High
	17	270/16	Combined Metals Red.	Lode High
	18	108/6	Charles Vaccaro	Lode High
	21	18/1	Charles Vaccaro	Lode High
51E	21N 12	26/2	Combined Metals Red.	Lode Medium
	13	18/1	Combined Metals Red.	Lode Medium
	14	18/1	Combined Metals Red.	Lode Medium
	36	18/1	Mount Hope Mines Inc.	Lode Medium
51E	22N 11	198/11	Exxon Corporation	Lode Medium
	11	180/10	Mount Hope Mines Inc.	Lode Medium
	14	198/11	Exxon Corporation	Lode Medium
	17	432/24	American Selco Inc.	Lode Medium
	35	54/3	Mount Hope Mines Inc.	Lode Medium
	36	198/11	Mount Hope Mines Inc.	Lode Medium

VALLEY LONG VALLEY

APPENDIX A-3

STATE NEVADA

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	T S			
57E	21N 24 25	180/10 36/2	Amselco Minerals Inc. Amselco Minerals Inc.	Lode Lode
58E	21N 7	18/1	Sam Bido	Lode

APPENDIX A-3

UNPATENTED CLAIMS

VALLEY MONITOR
STATE NEVADA

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
46E	9N	31 31	36/2 80/2	W. T. Boundy J. P. Caldwell	Lode Placer
46E	11N	34 35	18/1 198/11	Lee Ward Bolman Lee Ward Bolman	Lode Lode
46E	12N	2 3 3 3 9 9, 10, 15, 16	54/3 324/18 108/6 18/1 22/6 1212/334 131/10 22/6 13/1 4/1 7/2 149/28	Lee Ward Balman Dresser Industries All Minerals Lee Ward Bolman Imco Services All Minerals All Minerals Albert Basler Barold Petr. Sev. Insp. Dev. Co. Imco Sev. Cypress Mines Inc.	Lode Lode Lode Lode Lode Millsite Lode Millsite Lode Millsite Millsite 6 Placer 5 Lode 17 Millsites
			39/3 4/1 157/105 234/ 464/	All Minerals Imco Sev. Cypress Mines Inc.	Lode Millsites Millsites 18 Lode 16 Placer
46E	12N	20 27 32 34	180/10 108/6 18/1 54/3	All Minerals All Minerals Baroid Petr. Sev. All Minerals	Lode Lode Lode Lode

VALLEY MONITOR
STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

R	LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
	T	S			
46E	13N	26 26 34 35	54/3 18/1 180/10 36/2	Hugo Ostbert All Minerals All Minerals All Minerals	Lode Lode Lode Lode
46E	19N	13 13 24 24	36/2 36/2 54/3 72/4	Clyde Wright W. L. Godber W. L. Godber Co. Clyde Wright	Lode Lode Lode Lode
47E	18N	6 7	54/3 90/5	R. Rigby Young R. Rigby Young	Lode Lode
47E	20N	26 34 35	162/9 54/3 108/6	Exxon Corporation Exxon Corporation Exxon Corporation	Lode Lode Lode
49E	22N	11 12 13	36/2 36/2 18/1	Julian Simpson Julian Simpson Julian Simpson	Lode Lode Lode
49E	23N	21 22 27	126/7 216/12 450/25	American Selco Inc. Lester A. Bisoni Lester A. Bisoni	Lode Lode Lode

VALLEY NEWARK

STATE NEVADA

APPENDIX A-3

UNPATENTED CLAIMS

LOCATION		NUMBER OF ACRES/ CLAIMS	OWNER	REMARKS
R	T S			
56E	16N 12 13 24	504/28 640/40 468/26	Umont Mining Co. Umont Mining Co. Umont Mining Co.	Lode Lode Lode
57E	16N 7 18 18 19 30	504/28 18/1 640/40 640/38 378/21	Umont Mining Co. Sam Bida Umont Mining Co. Umont Mining Co. Umont Mining Co.	Lode Lode Lode Lode Lode
57E	17N 33	198/11	Houston Oil & Minerals	Lode

Claimant List Unpatented Mining Claims

All Minerals Corp.	5510 South 330 West	Murray	UT	84107
Alpine Management Corp.	Box 27448	Tempe	AZ	85282
American Selco Inc.	1000 Bible Way	Reno	NV	89502
Amselco Minerals Inc.	Box 90 W. Grace #100	Reno	NV	89509
Anaconda Copper Co.	555 17th Street	Denver	CO	80217
Argus Resources Inc.	Box 56	Austin	NV	93099
Armenian Gen. Rec. Fon.		Provo	UT	84601

Banovich, Nick G.	Box 727	Tonopah	NV	89049
Baroid Petroleum Sev	Box 44	Battle Mtn	NV	89820
Barton, David M.	1305 Warm Springs	Boise	ID	83702
Barton, Gerald L.	31110 E. Lee Road	Escalon	CA	95320
Basler, Albert L.	Box 323	Tonopah	NV	89049
BDB Mining Co.	P.O. Box 734	Tonopah	NV	89049
Bear Creek Mining Co.	Box 9 Dishman Branch	Spokane	WA	99213
Bell, George	921 9th Avenue	Fairbanks	AK	
Benke, Nancy D.	N/A			
Berg, Bill	P.O. Box 124	Round Mtn	NV	
Berquist, Walter	31755 S. Coast #402	So. Laguna	CA	92677
Bida, Sam	2160 Crawford St.	Ely	NV	89301
Bisoni, Lester A.	Box 1055	Eureka	NV	89316
Bolman, Lee Ward	2059 Watsonia Ter.	Hollywood	CA	90068
Bonner, Judith (Walter)	N/A			
Booth, Margaret H.	Box 826	Tonopah	NV	89049
Boozar, Bobby G.	3921 Knollwood Ct.	Sacramento	CA	95821
Bottom, Bob	P.O. Box 51	Tonopah	NV	89049
Boundy, W. T.	Box 242	Tonopah	NV	89049
Brannon, J.E.	927 W. 30 N.	Orem	UT	84057
Bright, James H.	1450 E. 2nd St.	Reno	NV	89502
Budwit, Linda	1617 N. Bate	Tempe	AZ	85281
Burton, Lindsey, F. G.	9020 Gotham St.	Downey	CA	90241

Calder, J.A.	Box 1006	Winnemucca	NV	89445
Caldwell, J.P.	P.O. Box 432	Winnemucca	NV	89445
Cameno Mining	N/A			
Camp, J.	N/A			
Chiatovich, Judith J.	Box 344	Tonopah	NV	89049
Cleasby, Gilbert	2373 Washington	San Francisco	CA	94115
Cohn, Stanley I.	2665 S. Bruce Apt. 198	Las Vegas	NV	89101
Colson, Donald F.	7272 Lindale Drive	Sacramento	CA	95828
Combined Metals Red.	1865 S. Main St.	Salt Lake City	UT	84115
Conlan, Mary Helen	N/A			
Copper Range Co.	3900 S. Wadsworth #660	Lakewood	CO	80235
Cordex Expl. Co.	573 E. 2nd St.	Reno	NV	89502
Costello, Rick	Box 6869	San Jose	CA	95150
Cox, Fallas	Box 777	Goldfield	NV	89013
Cyprus Mines	555 S. Flower St.	Los Angeles	CA	90071

Darl Mining & Materials	1640 E. Jensen	Mesa	AZ	85203
Dawes, David F.	3428 Don Juan Dr.	Carlsbad	CA	92008
Desano, Edward A	N/A			
Dixon, Blaine T.	2704 College Ave.	Modesto	CA	95350
Doyle, Rosemarie	c/o 475 Cyprus	Redlands	CA	92573
Dresser Industries	P.O. Box 937	Elko	NV	89801
Duffin, Jane M.	973 Manhattan			
	Beach Blvd	Manhattan Beach	CA	90266
Eagle Expl. Serv.	c/o L.H. Erickson			
	709 Cline St.	Las Vegas	NV	89128
Earth Sciences, Inc.	Earth Sciences Road	Golden	CO	80401
Eaves, B. Curtis	N/A			
Ebco Enterprises	1900 Powell Street			
	Suite 130	Emeryville	CA	94608
Ego, Shiro	1112 W. San Ramon	Fresno	CA	93711
Ely Uranium Co.	Box 686	Ely	NV	89301
Emco	N/A			
Energy Reserves Group	1536 Cole Blvd.	Golden	CO	80401
Engle, Dick	Box 225	Golffield	NV	89013
Erickson, Einar C.	2215 S. Fairfield	Las Vegas	NV	89102
Erickson, L. H.	301 S. 11th St. 200	Las Vegas	NV	89101
Exxon Corp.	P.O. Box 120	Denver	CO	80201
Fairbanks, Lynn D.	675 Dolphin Drive	Danville	CA	94526
Falcon Expl.	1900 Powell St. S 930	Emeryville	CA	94608
Faunt, Harold	4475 Scholls Ferry	Portland	OR	97225
Federal Reserve Corp.	Box 806	Salt Lake City	UT	84110
Ferguson, Michael D.	600 Taurus Dr.	Rexburg	ID	83440
Foote Mineral Co.	General Delivery	Silver Peak	NV	89047
Foundation F/Ind. Dev.	2208 Temple View	Provo	UT	84601
Francis, Leonard L.	3710 Thom Blvd.	Las Vegas	NV	89999
Fuller, Gary	1738 N. Gentry Cir.	Mesa	AZ	85203
Galli Expls. Co.	Box 11305	Reno	NV	89510
Gebellini, John	N/A			
Geochemical Surveys	2505 Turtle Creek	Dallas	TX	75219
Godber, W. L.	N/A			
Graeber, Roy. G.	Box 9238	S. Lake Tahoe	CA	95731
Hawke, Robert H.	c/o 1451 Danville	Alamo	CA	94507
Hepfler, Lee P.	N/A			
Hepfler, R. J.	N/A			
Hepner, Sam	6269 S Lema Ave. #30	Hollywood	CA	92045
Hill, D. C.	Box 729	Tonopah	NV	89049
Hite, Cliff	353 E. Main St. #324	Stockton	CA	95202
Hoggan, Beverly C.	N/A			
Holt, Ralph M.	642 E. Hearn Road	Phoenix	AZ	85022
Horenstein, Marcus	8385 SW Woodward Dr.	Portland	OR	97225
Hort, E. Fern	917 SE 25th	Portland	OR	97314

Hottinger, Stephen D.	R.R. #1 Box 1250	Grand Forks	NE	58201
Houston Intl. Min. Corp.	Box 22517	Denver	CO	80220
Houston Oil & Minerals	N/A			
Howard, John	N/A			
Hughes Tool Co.	Box 560	Goldfield	NV	89013
Imco Services	Box 1586	Battle Mtn	NV	89820
Inspiration Dev. Co.	Box 1320	Claypool	AZ	85532
Iseri, R.	c/o The Bottle Shop	Yerington	NV	
Johnston, Clark L.	19000 Pacific Highway	Sherwood	OR	97140
Kiester, Jessie	7347 Calle Durango	Anaheim	CA	92807
Kolmoos, W. B.	Box 4	Ely	NV	89301
Kramer, Weston	Box 417	American Falls	ID	83211
Krause, Albert A.	2226 NW Petty Grove	Portland	OR	97210
Larson, Scott M.	2327 W Ponderosa Ln.	Phoenix	AZ	85023
Lucky Uranium Corp.	140 Washington St. #5	Reno	NV	89503
Mackey, Joyce	2160 Streamview Dr.	Sandy	UT	84070
Mac Quidy, Harold H.	505 N Arrowhead #505	San Bernardino	CA	92401
Manley, Everett L.	Box 301	Beatty	NV	89003
Martin, John B.	Box 291	Tonopah	NV	89049
Martin, Miles B.	2727 NE Skidmore	Portland	OR	97227
Massaro, Alphonso	5249 Duke St. #10	Alexandria	VA	22304
Maupin, J. D.	Box 274	Goldfield	NV	89013
Milnich, Brian	416 W. Bellview	Porterville	CA	93257
Minerals Expl. Co.	N/A			
Mineral Services co.	1184 S. 1000 E.	Clearfield	UT	84015
Miragliotta, Vito				
Neeser, Earl Francis	Box 495	Goldfield	NV	89013
Nev. Porphyry Gold	c/o Cooke & Roberts			
Mines Inc.	P.O. Box 2229	Reno	NV	89505
Noble, Larry	4024 N. Devonshire	Provo	UT	84601
Normandy Expl.	N/A			
Okies, J. Edward	N/A			
O'Malley, M. M.	N/A			
Oro Corp.	Box 529	Goldfield	NV	89013
Ostbest, Hugo	Box 10	Austin	NV	89310
Owens, Joseph	N/A			

Page, Scott	2226 NW Pettygrove	Portland	OR	97210
Pathfinder Mines	Box 1802	Riverton	WY	82501
Patterson, Robert B.	P.O. Drawer 8	Willcox	AZ	
Perry, Gene	c/o John Privitera			
	1906 N. Peters St.	Carson City	NV	89701
Peters, John A.	2665 S. Bruce Apt. 198	Las Vegas	NV	89101
Phelps, Dodge	P.O. Drawer 1217	Douglas	AZ	85607
Pomeranz, Edwin S.	N/A			
Priester, Hazel	Box 732	Tonopah	NV	89049
Radke, Gilbert	Box 124	Manhattan	NV	89022
Randolph, J. J.	N/A			
RCY Corp.	N/A			
Repp, Dennis	2939 E. Nutwood	Fullerton	CA	92634
Ridgway, Jack C.	Box 238	Goldfield	NV	89013
Ridgway, Richard	Box 238	Goldfield	NV	89013
Rodgers, Marion O.	161 4th Ave Mason	Yerington	NV	89447
Roland, Stephen J.	701 Bancroft Way	Berkeley	CA	94710
Rouse, Vestal	7040 N. 7th Street	Phoenix	AZ	85020
Sander, Gary Lynn	2505 Tuxedo Way	Sandy	UT	84070
Scott, David L.	775 E. 1500 S	Bountiful	UT	84010
Shishmanian, Leo N.	5714 N Van Ness	Fresno	CA	93711
Simpson, Julian	Box 266	Kihei, Maui	HI	96753
Siskon Corp.	Box 7278	Reno	NV	89510
Smith, Edward	9102 McAvoy	Houston	TX	77032
Smith, Richard S.	821 Suffolk Lane	Modesto	CA	95355
Smith, V. L.	N/A			
Spellburg, Richard D.	N/A			
Sterck, D. F.	N/A			
Succup, Charles E.	Box 794	Goldfield	NV	89013
Sutherland, Lester	P.O. Box 1606	Turlock	CA	95380
Tanner, Darrell	218 S Maryland Pkwy	Las Vegas	NV	89101
Tennet, Robert L.	4133 NE 135th	Portland	OR	97230
Thompson, Sylvia		Brooks	MN	56715
Trepl, Bruce	Box 246	Goldfield	NV	89013
Tromovitch, Elizabeth	1667 Escalante Way	Burlingame	CA	94010
Umont Mining Co.	2028 Kensington Ave	Salt Lake City	UT	84108
Uranium Co.	N/A			
U.S. Mining Expl. Co.	N/A			
Utah State Med. Assoc.	540 E 500 S	Salt Lake City	UT	84102
Vaccaro, Charles	Box 234	Eureka	NV	89316
Van Gorder, David	Box 185	Goldfield	NV	89013
Vincent, Alan G.	105 Melrose	Modesto	CA	95354

Walkenshaw, Melford L.	2003 E. Charleston	Las Vegas	NV	89104
Watts, Carmen G.	N/A			
Weiler, Wayne S.	642 W. 19th	Anchorage	AK	99503
West, Henry, Jr. Dr.	1355 E. Center	Pocatello	ID	83201
Willard, J. A.	3416 Fryman Road	Studio City	CA	91604
Winter, E. A.	1601 Vassar St.	Reno	NV	89502
Wisdom, Beatrice	2275 Sherwood Rd.	San Mario	CA	91180
Woodhead, Kathy J.	N/A			
Wray, David H.	913 Sunset Drive	Bountiful	UT	84010
Wright, Clyde	Box 864	Fallon	NV	89406
Young, B. Rigby	1336 Galaxie Drive	Sanda	UT	84070
Young Expl.	N/A			
Zimmerman, Fred	31614 Benbow Dr. E	Graham	WA	98338
Zumalt, Stanley P.	Box 855	Fallon	NV	89406

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-4

STATE MINERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
		NONE		

VALLEY BUTTE VALLEY

STATE NEVADA

APPENDIX A-4

STATE MINERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
		NONE		

VALLEY JAKES

STATE NEVADA

APPENDIX A-4

STATE MINERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
		NONE		

VALLEY STATE
KOBEL NEVADA

APPENDIX A-4
STATE MINERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
		NONE		

VALLEY LONG

STATE NEVADA

APPENDIX A-4

STATE MINERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
		NONE		

VALLEY MONITOR

STATE NEVADA

APPENDIX A-4

STATE MINERAL LEASE DATA

LOCATION		NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
R	T S		NONE		

VALLEY NEWMARK
STATE NEVADA

APPENDIX A-4

STATE MINERAL LEASE DATA

LOCATION R T S	NUMBER OF ACRES	LEASE NUMBER	COMMODITY	REMARKS
		NONE		

VALLEY BIG SMOKYSTATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

LOCATION		NUMBER OF ACRES	OWNERSHIP	REMARKS
R	T S			
40E	6N E1/2 NW1/4 10	80	Unknown	
	E1/2 SW1/4 10	80	Unknown	
	W1/2 NE1/4 10	80	Unknown	
	W1/2 NE1/4 10	80	Unknown	
	W1/2 SE1/4 10	80	Unknown	
	E1/2 NE1/4 10	80	Unknown	
	E1/2 SE1/4 10	80	Unknown	
	W1/2 W1/2 11	160	Unknown	
	SE1/2 NE1/4 11	40	Unknown	
	E1/2 SW1/4 11	40	Unknown	
	NW1/4 NW1/4 14	40	Unknown	
	SW1/4 12			
40E	6N NW1/4 13	320	Big Smokey Land & Cattle Co. Box 85, Bertrand, Neb. 68927	
	SE1/4 NE1/4 12	40	Jackson & Coppelletti 1124 Morningside Ave. Claremont, Calif 91711	

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R	LOCATION T S	NUMBER OF ACRES	OWNERSHIP	REMARKS
40E	6N E1/2	120	J. F. Funda C/O D & V Associates, Box 966 Hailey, Idaho 83333	
40E	6N NE1/4 13 SE1/4 SE1/4 12	200	Geo. R. Scott C/O D & V Associates	
40E	7N SE1/4 13 NE1/4 24	320	Big Smoky Land & Cattle Co. Box 85/ Bertrand, Neb. 68927	
41E	1S S1/2 NE1/4 26	80	1st Nat'l Bank of Nevada to Aslette Artel & Rob't. Eddy 1364 West 2nd So. Salt Lake City, Utah	State Selection Sold
41E	2S Part NW1/4 33	5+	R.C.Y. Corp. Et al 3776 Millwood Avenue Las Vegas, NV 89121	
41E	5N All 1 & 2 E1/2 E1/2 NE1/4 14	2001	Unknown	
41E	6N All 36, S1/4 25 E1/4 35 SE1/4 SE1/4 26	1000	The Anaconda Company 555-17 St. Denver, CO 80217	
41E			The Anaconda Company	

VALLEY BIG SMOKYSTATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
41E	6N NW1/4 7	157	Jackson & Copelletti 1124 Morningside Drive Claremont, Calif 91711	
	SW1/4 7 NW1/4 18	315	J. T. & S. Funda C/O D & V. Associates/ Box 966 Hailey, Idaho 83333	
41E	7N SW1/4 SE1/4 14 NE1/4 NE1/4 23	80	Unknown	
42E	1S 10	1	Unknown	
42E	2S Part 14	27+	Nevada Dept. of Highways 1263 S. Stewart Carson City, NV 89701	
42E	5N W1/2 6SW1/4 SE1/4 6 N1/2 18 Part 7	1332	The Anaconda Co. 555 17th Denver, CO	
42E	6N N1/2 31 W1/2 SE1/4 31 S1/4 30 SE1/4 31 W1/2 NW1/4 32	776		

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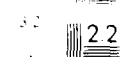
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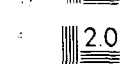
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VALLEY BIG SMOKYSTATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T LOCATION S	NUMBER OF ACRES	OWNERSHIP	REMARKS
42E 8N SE1/4 NW1/4 9	40	The Denman Trust Round Mtn., NV 89045	State Selection Sold
NW1/4 NE1/4 9	40	The Denman Trust	State Selection Sold
W1/2 SW1/4 SE1/4 SE1/4 SW1/4 NE1/4	160	The Denman Trust	State Selection Sold
E1/4 16 NW1/4 NE1/4 16	200	The Denman Trust	State Selection Sold
E1/2 NE1/4 21	80	The Denman Trust	State Selection Sold
42E 8N E1/2 NE1/4 7 NE1/4	100	R.D. & M.A. Berg C/O Corner's Stations Round Mtn., NV 89045	State Selection Sold
43E 9N S1/2 9 N1/2 9	640	Star Airline Catering Inc. C/O J.D. McPherson 1275 Calif. Drive Burlingame, Calif. 94010	State Selection Sold

VALLEY BIG SMOKY

STATE NEVADA

APPENDIX A-5

NON-FEDERAL FEE LAND

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
43E 10N	N1/2 NE1/4 NE1/4 13 SE1/4 NE1/4	80	Unknown	
	SE1/4 NW1/4 NE1/4 13 SW1/4 NE1/4 NE1/4 13 W1/2 28 W1/2 E1/2 28	320 480	Ingrart & Ruth Christensen c/o ILT Ranch, Box 11767 Reno, NV 89510	
43E 11N	NE1/4 SE1/4 18	40	Darrough Bros. Round Mtn., NV 89045	State Selection Sold
	SE1/4 SE1/4 18 E1/2 E1/2 19	200	Darrough Bros.	State Selection
	SE1/4 SE1/4 7	40	State	
43E 11N	Part 19	195	Wineglass Inc.	
43E 11N	E1/4 SE1/4 SE1/4 29	10	Carl W. Berg Round Mtn., NV 89045	
43E 11N	SE1/4 NE1/4 30	40	Nye County Recreation Comm.	
44E 11N	SE1/4 NE1/4 28 N1/4 SE1/4	80	Rose Ann Manley et. al, Box 105 Round Mtn., NV 89045	

VALLEY BIG SMOKYSTATE NEVADA

APPENDIX A-5

NON-FEDERAL FEE LAND

LOCATION		NUMBER OF ACRES	OWNERSHIP	REMARKS
R	T S			
44E	12N W1/2 SE1/4 26	80	The Denman Trust Round Mtn., NV 89045	
44E	12N NE1/4 SE1/4 26 S1/2 SE1/4 25 NW1/4 SE1/4 25	160	The Denman Trust Round Mtn., NV 89045	

VALLEY BUTTE VALLEY

APPENDIX A-5

STATE NEVADA

NON-FEDERAL FEE LAND

LOCATION		NUMBER OF ACRES	OWNERSHIP	REMARKS
R	T S			
62E	22N W 1/2 NE1/4 14	80	State	
	SW1/4 SW1/4 22	40	State	
	SW1/4 SE1/4 21	40	State	
62E	23N E1/2 SE1/4 15 NE1/4 NE1/4 22	120	David A. Carter/Box 1180 Elko, NV 89801	

VALLEY JAKES

STATE NEVADA

APPENDIX A-5

NON-FEDERAL FEE LAND

LOCATION		NUMBER OF ACRES	OWNERSHIP	REMARKS
R	T S			
59E	17N W1/2 NE1/4 10 E1/2 NE1/4 10 NW1/4 11 W1/2 NE1/4 11 N1/2 12 E1/2 NE1/4 11	80 320 400	Robert Dickenson 1590 Webster Way Reno, NV 89502	

VALLEY KOBEHSTATE NEVADA

APPENDIX A-5

NON-FEDERAL FEE LAND

R	LOCATION T S	NUMBER OF ACRES	OWNERSHIP	REMARKS
50E	21N SE 1/4 35 NE 1/4 35 NE 1/4 35 SE 1/4 35 SW 1/4 36 NW 1/4 36 NW 1/4 36 SW 1/4 36	160	Eureka Livestock Box 329 Eureka, NV 89316	
50E	22N E 1/2 NE 1/4 24	80	Eureka Livestock Box 329 Eureka, NV 89316	
	NE 1/4 SW 1/4 19	40	Hoekenga Cattle Co. Box 276 Eureka, NV 89316	
51E	22N NW 1/4 SE 1/4 8	40	Eureka Livestock Box 329 Eureka, NV 89316	
51E	22N 30	320	Eureka Livestock Box 329 Eureka, NV 89316	

VALLEY LONG
STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

LOCATION R T S	NUMBER OF ACRES	OWNERSHIP	REMARKS
		NONE	

VALLEY MONITOR

APPENDIX A-5

STATE NEVADA

NON-FEDERAL FEE LAND

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
46E 10N	NE1/4 SE1/4 28, NW1/4 SW1/4 27, S1/2 SW1/4 27	160	Wayne & Jean Hage, Box 513 Tonopah, NV 29049	28
46E 11N	SE1/4 4, W1/2 SW1/4 3, W1/2 NE1/4 9	320	Wayne & Jean Hage	27-74-008D/C
46E 11N	E1/2 NE1/4 9, N1/2 NW1/4 10, E1/2 SW1/4 3, W1/2 SE1/4 3	320	Wayne & Jean Hage	27-74-0006D/C
46E 19N	SW1/4 SE1/4 12, SW1/4 NE1/4 13	80	Peter Damele, et. al.	730705D/C
46E 11N	SE1/4 NW1/4 15	40	Wayne & Jean Hage	1217942D/C
46E 11N	S1/2 S1/2 16	160	Wayne & Jean Hage	
	NW1/4 NE1/4 21	40	Wayne & Jean Hage	SS14 State selection sold to private ownership
46E 11N	S1/2 S1/2 17	160	Wayne & Jean Hage	22

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
46E 11N	NW1/4 NW1/2 22, NE1/4 NE1/4 21, S1/2 NE1/4 21	160	Wayne & Jean Hage	1115194D/C
	NW1/4 21, N1/2 NE1/4 20	240	Wayne & Jean Hage	613396D/C
46E 12N	NW1/4 SE1/4 32, SE1/4 SE1/4 32	80	Wayne & Jean Hage	637109D/C 557813D/C
46E 13N	NW1/4 SW1/4 26	40	Monitor Livestock, Inc.	SS28 State selection sold to private ownership
47E 9N	SW1/4 SE1/4 7	40	Carillo Industries 33041 Calle Perfecto San Juan Capistrano, Calif 92675	SS 5 State selection sold to private ownership
47E 9N	S1/2 SW1/4 8, NE1/4 NE1/4 17	120	Carillo Industries 33041 Calle Perfecto San Juan Capistrano, Calif. 92675	283598D/C
47E 12N	NE1/4 NE1/4 22, N1/2 NE1/3 23	120	Monitor Livestock, Inc. Box 549, Los Gatos, Calif 95030	SS 8 State selection sold to private ownership
47E 13N	SE1/4 NE1/4 5	40	Monitor Livestock, Inc.	SS 6 State selection sold to private ownership

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
47E 13N	SW1/4 NE1/4 4, SW1/4 SE1/4 9	80	Monitor Livestock, Inc.	SS28/SS10 State selection sold to private ownership
47E 14N	SE1/4 NW1/4 1	120	Monitor Livestock, Inc.	SS20 State selection sold to Private ownership
47E 14N	W1/2 SE1/4 1, S1/2 NE1/4 2, SE1/2 NE1/4 11	520	Monitor Livestock, Inc.	
47E 14N	SE1/4 SW1/4 22 W1/2 E1/2 22	200	Monitor Livestock, Inc.	SS8/SS15 State selection sold to private ownership
47E 14N	NW1/4 NE1/4 27	40	Monitor Livestock, Inc.	SS28 State selection sold to private ownership
47E 14N	NW1/4 NE1/4 27	40	Monitor Livestock, Inc. Box 549 Los Gatos, Calif 95030	SS 8 State selection sold to private ownership
47E 15N	SE1/4 SW1/4 4, SE1/4 SE1/4 7, SE1/4 SW1/4 8, NE1/4 NE1/4 8, NE1/4 NE1/4 8, SE1/4 NW1/4 9, S1/2 NW1/4 19, NW1/4 NE1/4 18, SE1/4 NE1/4 18, NW1/4 SE1/4 18	440	Monitor Livestock, Inc.	

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

LOCATION R T S	NUMBER OF ACRES	OWNERSHIP	REMARKS
47E 15N SW1/4 SE1/4 4, NW1/4 NE1/4 9, SE1/4 NE1/4 8, NE1/4 SW1/4 8, SW1/4 SW1/4 8	200	Monitor Livestock Inc.	SS 8 State selection sold to private ownership
47E 15N SE1/4 NE1/4 8, N1/2 NW1/4 9, SW1/4 NE1/4 9	160	Monitor Livestock Inc.	#52 Monitor Ranch
47E 15N SW1/4 SE1/4, NW1/4 NE1/4 9, SW1/4 NE1/4 8, NE1/4 SW1/4 8, SW1/4 SW1/4 8	200	Monitor Livestock Inc.	SS 8 State selection sold to private ownership
47E 15N NE1/4 SE1/4 8, 21, 22, NW1/4 SW1/4 8, NW1/4 NW1/4 17, NE1/4, NE1/4 18, N1/2 SW1/8 18, NW1/4 NE1/4 26	280	Monitor Livestock Inc.	SS 10 State selection sold to private ownership
47E 15N SW1/4 NE1/4 35, NW1/4 SE1/4 35	80	Monitor Livestock Inc.	SS28 State selection sold to private ownership
47E 15N E1/2 E1/2 35	160	Monitor Livestock Inc.	#31 Potts Ranch
47E 15N NW1/4 NE1/4 35	40	Monitor Livestock Inc.	

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
47E 15N W1/2 SW1/4 36		80	Monitor Livestock Inc. Box 549, Los Gatos, Calif 95030	
47E 16N SE1/4 SE1/4 4		40	Merrimac Co., Box 549 Los Gatos, Calif 95030	Potts Well
48E 15N NE1/4 NE1/4 18		40	Monitor Livestock Inc.	SS10 State selection sold to private ownership
48E 15N NW1/4 NW1/4 30		40	Monitor Livestock Inc.	SS10 State selection sold to private ownership
48E 15N SE1/4 NW1/4 30		40	Monitor Livestock Inc.	SS10 State selection sold to private ownership
48E 15N NE1/4 NW1/4 30 SW1/4 NW1/4 30 NE1/4 SW1/4 30 S1/2 NE1/4 30, NE1/4 SE1/4 30		240	Monitor Livestock Inc.	
48E 18N N1/2 SW1/4 7, SW1/4 SW1/4 6		120 120	Unknown, State?	Nev 062215 Rstd Min. OE 6/5/1969 Recon.

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T S LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
48E 18N W1/2 SE1/4 7 SW1/4 NE1/4 7 NE1/4 NW1/4 7 NW1/4 NE1/4 18	200	Libero P. Balderelli, et.al. Box 6423 Incline Village	Grimes Ranch #983382 D/C
48E 21N NE1/4 SW1/4 35 NW1/4 SW1/4 35	80	Donald R. Smith, et.al. Box 36/Eureka, NV 89316	
W1/2 NE1/4 36	80	Unknown	#1224839D/C Santa Fe Ranch
48E 22N N1/2 SE1/4 SE1/4 36	20	Unknown	
48E 22N E1/2 NE1/4 36 N1/2 SE1/4 36	160	Unknown	#729845D/C Santa Fe Ranch
49E 19N NW1/4 NE1/4 18 SE1/4 NW1/4 18 NE1/4 SW1/4 18	840	Valiant Farms Eureka, NV 89316	
SW1/4 SE1/4 18 NE1/4 NE1/4 19 W1/2 NE1/4 19 NW1/4 SE1/4 19			

APPENDIX A-5

NONFEDERAL FEE LAND

VALLEY MONITOR
STATE NEVADA

R T S	LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
49E 19N SE1/4 NE1/4 19 NE1/4 SE1/4 19 SW1/4 NW1/4 20 NW1/4 SW1/4 20 SE1/4 SE1/4 19 SW1/4 SW1/4 20 E1/2 NE1/4 30 NE1/4 SE1/4 30 W1/2 SW1/4 29 SW1/4 NW1/4 29 NE1/4 NW1/4 29		840	Valiant Farms	
49E 20N NE1/4 NW1/4 16		40	Donald R. Smith, et.al.	SS13 State selection sold to private ownership
49E 22N NW1/4 NW1/4 4 E1/2 NW1/4 4 W1/2 NE1/4 4, SE1/4 NE1/4 4 W1/2 SE1/4 4 NE1/4 SW1/4 4 W1/2 NE1/4 9 W1/2 SE1/4 9 NW1/4 NE1/4 16 42		560	Eureka Livestock Co.	
49E 22N S1/2 SE1/2 8 N1/2 NE1/4 17 SE1/4 NE1/4 17		200	Eureka Livestock Co.	SS13 State selection sold to private ownership

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

LOCATION R T S	NUMBER OF ACRES	OWNERSHIP	REMARKS
49E 19N SE1/4 NE1/4 19 NE1/4 SE1/4 19 SW1/4 NW1/4 20 NW1/4 SW1/4 20 SE1/4 SE1/4 19 SW1/4 SW1/4 20 E1/2 NE1/4 30 NE1/4 SE1/4 30 W1/2 SW1/4 29 SW1/4 NW1/4 29 NE1/4 NW1/4 29	840	Valiant Farms	
49E 20N NE1/4 NW1/4 16	40	Donald R. Smith, et.al.	SS13 State selection sold to private ownership
49E 22N NW1/4 NW1/4 4 E1/2 NW1/4 4 W1/2 NE1/4 4, SE1/4 NE1/4 4 W1/2 SE1/4 4 NE1/4 SW1/4 4 W1/2 NE1/4 9 W1/2 SE1/4 9 NW1/4 NE1/4 16 42	560	Eureka Livestock Co.	
49E 22N S1/2 NW1/4 NW1/4 31, SW1/4 NW1/4 31	60	Unknown	
49E 22N S1/2 SE1/2 8 N1/2 NE1/4 17 SE1/4 NE1/4 17	200	Eureka Livestock Co.	SS13 State selection sold to private ownership

VALLEY MONITOR

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R	LOCATION T S	NUMBER OF ACRES	OWNERSHIP	REMARKS
49E 23N	E1/2 NE1/4 21 N1/2 SE1/4 21 SW1/4 SE1/4 21 S1/2 NE1/4 28 N1/2 SE1/4 28 SW1/4 SE1/4 28 E1/2 SW1/4 28 E1/2 NW1/4 33 W1/2 NE1/4 33 W1/2 SE1/4 33 E1/2 SW1/4 33 SW1/4 SW1/4 33	880	Eureka Livestock Co.	SS13 State selection sold to private ownership

VALLEY NEWARK

STATE NEVADA

APPENDIX A-5

NONFEDERAL FEE LAND

R T S LOCATION	NUMBER OF ACRES	OWNERSHIP	REMARKS
56E 17N NW1/4	40	Unknown	State Sel. Sold
57E 16N SE1/4 NE1/4 19 NE1/4 SE1/4 19	80	Estelle Gensol Box 188 Eureka, NV	
57E 18N SE1/4 SW1/4 11 NW1/4 NW1/4 13	80	United Dressed Beef, Inc. c/o Paul Held 2300 Nevada Avenue Golden Valley, Minn. 55422	
57E 17N SW1/4 SE1/4 23	40	Goodman-Tidball Merc. Co. Mc Gill, NV 89318	State Sel. Sold
57E 19N Part 9	40	Unknown	State Sel. Sold

GEO THERMAL DATA

[illegible]

GEO THERMAL DATA

MAP NO.	NAME AND LOCATION	CHEMICAL SPECIES (PPM)					SURFACE TEMP (°C)	FLOW RATE (liters per minute)	REMARKS	REF. NUMBER
		Na	K	Ca	SiO2	Cl				
3	T14N, R47E, S2, SE1/4, SE1/4, NE1/4	-	-	-	-	-	-	1687.5	Spring	5
	T14N, R47E, S22, SE1/4	55	15	50	46	8	58.9	-	Spring	8
	T14N, R47E, S22, SE1/4	-	-	-	-	-	-	-	Spring	9
	T14N, R47E, S22, SE1/4	57	15	47	46	8	51.1	198.75	Spring	8
	T14N, R47E, S22, SW1/4, SE1/4	-	-	-	-	-	hot	3375	Diana's (Devils) Punch Bowl	7
4	T14N, R47E, S22, NW1/4, NE1/4	-	-	-	-	-	-	-	Spring	22
	T14N, R47E, S22, SW1/4, SW1/4	-	-	-	-	-	56.7	757.5	Diana's (Devils) Punch Bowl	3
	T14N, R47E, S22, SW1/4	-	-	-	-	-	-	3375	Diana's (Devils) Punch Bowl	5
	T12N, R46E, S24, SE1/4, SE1/4	-	-	-	-	-	hot	0	Spring	7
	5	Darrough's Hot Springs Area	104	2.4	1.2	105	12	82.2-	1687.5	Spring
T11N, R43E, S7		80	80	13	88	15	93.3	562.5+	Spring	19
T11N, R43E, S7, SE1/4		-	-	-	-	-	92.2	2250	Spring	10
T11N, R43E, S7		-	-	-	-	-	82.2-	750	Spring	5
T11N, R43E, S7, SE1/4		-	-	-	-	-	97.2	5250	Darrough Ranch Well	6,22
	T11N, R43E, S8	110	2.6	1.3	98	12	204.4	345	Spring	17
	T11N, R43E, S8	-	-	-	-	-	95	-	Spring	8
							-	-		9

APPENDIX B

GEOHERMAL DATA

MAP NO.	NAME AND LOCATION	CHEMICAL SPECIES (PPM)					SURFACE TEMP (°C)	FLOW RATE (liters per minute)	REMARKS	REF. NUMBER
		Na	K	Ca	SiO ₂	Cl				
5	T11N, R43E, S8, SW1/4	-	-	-	-	-	hot	15	Darrough Ranch Well	17
	T11N, R43E, S8	110	2.9	1.4	105	12	93.9	296.25	Steam Well	8
	T11N, R43E, S8, SW1/4	111	2.8	9	105	15	boiling	75-	Well	18
	SW1/4, SW1/4						?	112.5		
6	T11N, R43E, S7, SE1/4	-	-	-	-	-	129.4	-	Magma Power Co. (and Associates) well	6
	SE1/4, SE1/4									
7	T11N, R47E, S6, SE1/4, NE1/4	-	-	-	-	-	35°	56.25	Spring on south Mosquito Creek Ranch	5
	Little Fish Lake Valley									
	T11N, R49E, S7, NE1/4	-	-	-	-	-	warm	-	Fish Springs	22
	NW1/4, NE1/4	-	-	-	-	-	42.2	-	Warm Spring	5
8	T10N, R49E, S14, SW1/4	-	-	-	-	-	40	101.25	Upper Warm Spring	5
	SE1/4, SE1/4	-	-	-	-	-	40.6	-	Spring	20
	T10N, R49E, S14, SE1/4	-	-	-	-	-	40.6	-	Spring	20
	NE1/4, SE1/4	12	4.2	40	21	3.7	40.6	-	Spring	20
8	T10N, R49E, S14, SE1/4	-	-	-	-	-	40.6	-	Spring	20
	SE1/4	-	-	-	-	-	40.6	-	Spring	20
8	Stanley A. Tanner Well	-	-	-	-	-	warm	-	Well	17
	T7N, R40E, S28, NW1/4	-	-	-	-	-	warm	-	Well	17
	SW1/4	-	-	-	-	-	warm	-	Well	17

APPENDIX B

GEOHERMAL DATA

MAP NO.	NAME AND LOCATION	CHEMICAL SPECIES (PPM)					SURFACE TEMP (°C)	FLOW RATE (liters per minute)	REMARKS	REF. NUMBER
		Na	K	Ca	SiO ₂	Cl				
9	Indian Springs T7N, R42E, S34(?)	-	-	-	-	-	warm	-	Spring	22
10	Tonopah Mining District T3N, R42E, S35, NE1/4 NW1/4, SW1/4 T3N, R42E, S36, CW1/2	149	3.4	68.8	227	35	41	-	Mizpah Mine Belmont Mine	2
		80	5	22	68	35	47	-		2
11	Big Divide Mine T2N, R42E, S26, NE1/4 SW1/4	-	-	-	-	-	hot	-	Mine	12
12	Alkali Springs T1S, R41E, S26, NW1/4 T1S, R41E, S26, NW1/4	349	349	46	-	68	60	187.5	Spring	15
		282	-	46	42	64	48.9-60	221.25		1
	T1S, R41E, S26, NW1/4	-	-	-	-	-	48.9-60	-	Spring	22
	T1S, R41E, S26, SE1/4, NE1/4	282	282	46	42	65	48.9	150	Spring	10
	T1S, R41E, S26, SE1/4, NE1/4	282	-	46	42	64	20.6-47.8	1875	Spring	13

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APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

BIG SMOKY VALLEY NEVADA — BATTLE MOUNTAIN BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	R T SEC ¼ SEC	LOCATION	QUANTITY (YD ³) OR ACREAGE (A)
Material Site	CC-020911	Nevada Highway Dept.	40E 3N 12	SW	40A
Material Site	N 4225	Nevada Highway Dept.	40E 3N 12	SE	40A
Material Site	Nev-060306	Nevada Highway Dept.	41E 3N 15	SW	110A
Material Site	CC-020912	Nevada Highway Dept.	41E 3N 15	SE, SW 22 NE, NW	40A
Material Site	N-10423	Nevada Highway Dept.	42E 1N 4	NE Lot 2	40A
Material Site	Nev-01468	Nevada Highway Dept.	42E 1N 27	SE 1/4 NE 1/4	40A
Material Site	N 21776	Nevada Highway Dept.	42E 2S 4	SE, SE	40A
Material Site	N 4654	Nevada Highway Dept.	42E 2S 11	NE/SE	120A
Material Site	Nev-01470	Nevada Highway Dept.	42E 2S 23	SW 1/4	40
Free Use Permit	27-050-Fu5-1 27-050-Fu5-2	Nevada Highway Dept. Nevada Highway Dept.	42E 1N 27SE 42E 1N 16	N 1/2	143,000cyds 216,000cyds
Mineral Sale Community Pits	None None				

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

BIG SMOKY VALLEY

NEVADA -- BATTLE MOUNTAIN BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	R T SEC ¼ SEC	LOCATION	QUANTITY (YD ³) OR ACREAGE (A)
Material Site	CC-020621	Nevada Highway Dept.	42E 7N 12 SE	SE	40A
Material Site	CC-020620	Nevada Highway Dept.	43E 8N SW	SW	40A
Material Site	CC-021030	Nevada Highway Dept.	43E 8N 9 SW	9 SW	40A
Material Site	CC-020622	Nevada Highway Dept.	43E 8N 30 SW	30 SW	40A
Material Site	CC-020622	Nevada Highway Dept.	43E 8N 30 SW	30 SW	40A
Material Site	CC-022612	Nevada Highway Dept.	43E 10N 11 SE	11 SE	40A
Material Site	N 13242	Nevada Highway Dept.	43E 10N 33 NW	33 NW	40A
Material Site	CC-023841	Nevada Highway Dept.	43E 11N 29 SW	29 SW	20A
Material Site	CC-022613	Nevada Highway Dept.	43E 11N 29 SW	29 SW	20A

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

BUTTE VALLEY NEVADA — ELY BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	LOCATION R T SEC ¼ SEC	QUANTITY (YD ³) OR ACREAGE (A)
Material Site	None			
Free Use Permit	None			
Material Sale Sites	None			
Community Pits	None			

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

JAKES NEVADA — ELY BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	LOCATION R T SEC ¼ SEC	QUANTITY (YD ³) OR ACREAGE (A)
Material Site	Nev-043452	Public Land	60E 18N 13 SW 1/4 NW 1/4	40A
Material Site	Nev-010461	Public Land	60E 18N 19 S 1/2 SE 1/4	80A
Material Site	N 19342	Public Land	60E 18N 27 SE 1/4 SW 1/4 N1/2 SW 1/4 SW 1/3 S1/2 NW 1/4 SW 1/4 SW1/4 NE 1/4 SW 1/4	90A
Free Use Permit	46008M N 13088	Nevada Highway Dept.	60E 18N 30 NE 1/4	10,000cyds 160A
Free Use Permit	47001M	Nevada Highway Dept.	60E 18N 29 NW 20 SW	20,000cyds Sec 20 2.5A Sec 29 2.5A
Free Use Permit	49001M	Public Land	60E 18N 27 SW	70,000 cyds 160A
Free Use Permit	46010M 41001M	Public Land	59E 18N 22 NW	12,500 cyds 20A

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

KOBEH VALLEY NEVADA — ELY BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	LOCATION R T SEC ¼ SEC	QUANTITY (YD ³) OR ACREAGE (A)
Material Site	None			
Free Use Permits	None			
Material Sale Sites	None			
Community Pits	None			

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

LONG VALLEY NEVADA — ELY BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	LOCATION R T SEC ¼ SEC	QUANTITY (YD ³) OR ACREAGE (A)
Free Use Permit	41003M	Public Land	58E 22N 33 NE 28 SE	20,000cyds 20A
Free Use Permit	40013M	Public Land	59E 19N 17 SW	20,000cyds 40A
Free Use Permit	40006M	Public Land	59E 21N 5 SE SW	10,000cyds 40A
Free Use Permit	41001M	Public Land	59E 21N 28 SE	150,000cyds 40A
Material Site	NV-040-MS1-2	Public Land	59E 21N 8 SE	40A
Material Site	49004M		58E 23N 9	

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

NEVADA — BATTLE MOUNTAIN BLM DISTRICT

MONITOR

TYPE OF SOURCE AREA	NUMBER	OWNER	LOCATION R T SEC ¼ SEC	QUANTITY (YD ³) OR ACREAGE (A)
Material Site	N051856	Nevada Highway Dept.	47E 19N 36 NW	40A
Material Site	N 3658	Nevada Highway Dept.	47E 19N 26 SE	80A
Material Site	N 042799	Nevada Highway Dept.	47E 19N 34 SW	20A
Material Site	N-023397	Nevada Highway Dept.	47E 19N 34 SW	20A
Material Site	N-046846	Nevada Highway Dept.	47E 19N 34 E1/2NW1/4SW1/4	20A
Material Site	N-042797	Nevada Highway Dept.	49E 19N 21 SW 28 NW	50A
Free Use Permits	None			
Material Sales Site	None			
Community Pits	None			

APPENDIX-C

SAND AND GRAVEL SOURCE AREAS

NEWARK NEVADA -- ELY BLM DISTRICT

TYPE OF SOURCE AREA	NUMBER	OWNER	R T SEC ¼ SEC	LOCATION	QUANTITY (YD ³) OR ACREAGE (A)
Free Use Permit	40004M	Public Land	57E 17N 16 SE 1/4		20,000 cyds 40A
Free Use Permit	042805	Public Land	57E 18N 36 E 1/2 W 1/2		40A
Free Use Permit	49009M	Public Land	57E 19N 9 SE 1/4		70,000 cyds 40A
Material Site	CC-021241	Public Land	57E 18N 35 NW 1/4 NE 1/4		40A

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