

SAMPLING AND ANALYSIS PLAN

**REGIONAL WELLS IN THE VICINITY
OF THE ROCA HONDA PERMIT AREA**

TABLE TO ACCOMPANY PLATE 1

OCTOBER 2009

Submitted To:

New Mexico Mining and Minerals Division
&
U.S. Forest Service (Cibola National Forest)

Prepared by:

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Well ID	OSE File No.	Designation in Previous Inventories							T	R	Sec	1st Q	2nd Q	3rd Q	Easting	Northing	Producing Formation	Well Depth	DTW	Water Elevation	Date of Water Level Measurement	Elevation (ft)	
		GMRC ER	NMEIBS	San Lucas Canyon	Polvadera Canyon	DP-61 Monitor Wells	NMMMMR HR2	Metric Corp.															
1									13	7	30	4	2	1	262362.0	3912136.2	Jmw	4207	>500	7709		8209	
2			17						13	7	30	4	3	2	262181.0	3911688.6		>1980	<300	8004		8304	
3			16						13	7	33	2	3	4	265362.3	3910526.5		1500 approx	>400	8120	9/29/1972	8520	
4				M-1					13	8	1		2	3	260080.1	3919137.6	Kpl	400				7162	
5	RG 33107 EXPL								13	8	1	4	1	1	260480.2	3918556.4	Kmf, Kpl	394	72	7159	8/18/1979	7231	
6							DK1		13	8	7	4	3	4	252786.4	3916502.3	Kd					7221	
7									13	8	11	3	2	1	258514.1	3917001.6	Kmf	192.3	76.9	7121		7198	
8		S-16							13	8	14	4	2	2	259531.5	3915409.5	Kmf					7185	
9			1				MF1		13	8	14	4	2	2	259531.5	3915409.5	Kmf	200	71.5	7114	9/10/1962	7185	
10							U1		13	8	17	2	2	3	254510.3	3916097.2						7182	
11			20						13	8	17	2	4	1	254500.9	3915937.1						7169	
12	B 00848							46	13	8	17	2	1	3	254110.0	3916112.0						7165	
13	B 00848 S								13	8	17	2	1	3	254110.0	3916112.0						7165	
14	B 00848 O							3,47	13	8	17	2	1	4	254310.0	3916112.0	Kd,Jmw	1611	1315	5863	4/1/1981	7178	
15	B 00851								13	8	17	2	1	4	254310.0	3916112.0						7178	
16	B 01084							50	13	8	17	2	3	2	254295.0	3915909.0	Kg	320	60	7092	1/1/1963	7152	
17	B 01544								13	8	18	1	2	3	252103.0	3916155.0	Kd	715	624	6417	6/14/2003	7041	
18	B 00390								13	8	18	2	2	1	252904.0	3916338.0	Kd,Jmw	1800	800	6333	12/31/1974	7133	
19	B 00557							6	13	8	21	4	3	2	255825.0	3913453.0	Qal					7037	
20		S-4	2				MF2		13	8	22	2	4	2	257901.8	3914231.9	Kmf	157.3	37.5	7066	10/23/1962	7103	
21	B 00415 O-4							40	13	8	22	2	1	2	255983.0	3911840.0	Qal	32	15	7062	3/23/1978	7077	
22	B 01085							7, 51?	13	8	22	2	4	2	257866.0	3914204.0	Kpl	476	90	7013	12/31/1920	7103	
23	B 00415 O-3								13	8	22	4	2	2	256194.0	3912240.0	Qal	32	15	7055	3/23/1978	7070	
24	B 00415 O-3								13	8	22	4	2	2	256194.0	3912240.0	Qal	32	15	7055	3/23/1978	7070	
25	B 01442								13	8	22	4	4	4	257845.0	3913200.0	Kpl	620	87	7049	6/15/2000	7136	
26							MF3		13	8	23	3	2	4	258686.9	3913537.5	Kmf					7172	
27							MF4		13	8	23	3	4	2	258686.9	3913396.5	Kmf	305	37.5	7138	2/1/1978	7175	
28								9	13	8	23	4	1	3	258857.4	3913552.2	Qal	79	34	7144		7178	
29								61	13	8	23	4	2	4	259385.7	3913592.0	Qal	100				7224	
30								10	13	8	23	4	3	1	258867.2	3913340.1	Qal	?				7185	
31		S-10	3				MF5		11	13	8	23	4	3	2	259048.8	3913331.9	Kmf	92	35	7170	10/17/1972	7205
32	B 01442 EXP L-2								13	8	23	3	1	3	258063.0	3913591.0	Kg	1150	107	7016	5/28/2002	7123	
33	B 00544								13	8	23	3	4	3	258355.0	3913491.0	Qal	68	30	7122	6/17/1978	7152	
34	B 00815								13	8	23	3	4	2	258652.0	3913380.0	Kmf	300	260	6915	1981	7175	
35	B 00734							12	13	8	23	4	4	1	259248.0	3913362.0	Qal	73				7224	
36	B 00735								13	8	23	4	4	1	259248.0	3913362.0	Qal	65	30	7194	7/3/1980	7224	
37	B 00736								13	8	23	4	4	2	259448.0	3913362.0						7247	
38	B 00737							13	13	8	23	4	4	2	259448.0	3913362.0	Qal	80				7247	
39							MW-1		13	8	24	1	2	1	260072.3	3914591.1	Kmf	63				7257	
40						MW-3			13	8	24	1	2	4	260329.5	3914333.9	Qal	65				7274	
41		S-14					MF7	19	13	8	24	1	4	1	260055.7	3914201.1	Kmf	285	55	7202		7257	

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		GMRC ER	NMEIBS	San Lucas Canyon	Polvadera Canyon	DP-61 Monitor Wells	NMMMR HR2	Metric Corp.														
42							MF16		13	8	24	1	4	1	260055.7	3914201.1	Kmf	250	59	7198	Oct-72	7257
43							MW-1		13	8	24	1	4	2	260329.5	3914201.1	Qal	60				7277
44							MW-2		13	8	24	1	4	2	260329.5	3914201.1	Qal	65				7277
45		S-8						18	13	8	24	1	4	4	260329.5	3913919.1	Kmf	160				7290
46									13	8	24	1	4	4	260329.5	3913919.1	Kmf	160				7290
47	B 01429							55	13	8	24	2	2	2	261109.5	3914516.1	Kmf	245	90	7335		7425
48		S-13	4				MF8	24	13	8	24	2	2	3	260877.0	3914317.3	Kmf	?	184.5	7138	6/2/1973	7323
49	B 00404								13	8	24	2	3	4	260752.6	3913902.5						7333
50	B-516-(1)-S							27	13	8	24	2	4	3	260877.0	3913910.8	Kpl	1125	470	6899		7369
51	B-516-(1)-S-2							28	13	8	24	2	4	3	260877.0	3913910.8	Kpl	1045	453	6916		7369
52	B-516-(1)-S-3							29	13	8	24	2	4	3	260877.0	3913910.8	Kpl	1065				7369
53							MW-2		13	8	24	3	2	2	260321.2	3913786.4	Qal	44				7303
54							MW-4		13	8	24	3	2	4	260321.2	3913496.0	Qal	prob.60				7310
55							MW-5		13	8	24	3	2	2	260321.2	3913786.4	Qal	prob.60				7303
56			6				MF9	22	13	8	24	3	3	4	259898.1	3913126.6	Kmf	200	50	7247	pre-1962	7297
57			7				MF10	23	13	8	24	3	3	4	259898.1	3913128.6	Kmf	140	89.5	7207	9/10/1962	7297
58		S-9, S-19						21	13	8	24	3	4	2	260321.2	3913363.3	Kmf	250	15	7301		7316
59							MW-3		13	8	24	3	4	4	260304.6	3913122.7	Qal	46				7362
60								20	13	8	24	3	4	4	260304.6	3913122.7	Qal	?				7362
61							MF12		13	8	24	3	3	4	259898.1	3913131.0	Kmf	120	101	7196	2/1/1978	7297
62		S-12	5				MF11	25	13	8	24	3	3	4	259898.1	3913131.0	Kmf	200	87.4	7209	1976	7297
63							MF14		13	8	24	3	4	1	260039.1	3913371.6	Kmf	500	139	7141	3/1/1978	7280
64									13	8	24	3	4	2	260312.9	3913363.3	Kmf	250	15	7301		7316
65									13	8	24	3	4	2	260312.9	3913363.3	Kmf					7316
66		S-1							13	8	24	4	1	2	260736.0	3913769.8	Kmf	800	260	7092		7352
67		S-22							13	8	24	4	1	2	260736.0	3913769.8	Km	2000	700	6652		7352
68			SM2443						13	8	24	4	1	2	260736.0	3913769.8						7352
69							MW-5		13	8	24	4	1	1	260478.8	3913769.8	Qal	32.5				7326
70							MW-4		13	8	24	4	1	3	260453.9	3913496.0	Qal	47.5				7326
71	B-00516							26	13	8	24	4	2	1	260868.7	3913778.1	Kpl	925				7382
72									13	8	24	4	1	2	260727.7	3913778.1	Km	2000	700	6649	1976	7349
73	B-00516						Mw(W1)	26	13	8	24	2	3	4	260350.0	3913856.0	Jmw	3535	1062	6238	10/1/1976	7300
74	B-00524							17	13	8	24	3	4	4	260251.0	3913154.0	Kpl?	520	260	7089	1978	7349
75			8				MF15		13	8	25	1	1	2	259881.5	3912990.0	Kmf	150	43	7260	9/10/1962	7303
76			9a				MF17	32a	13	8	25	1	1	4	259889.8	3912699.6	Kmf,Qal	120	36	7303	9/1/1962	7339
77			9b				MF18	32b	13	8	25	1	1	4	259889.8	3912699.6	Kmf	250	80	7259	10/1/1972	7339
78		S-15	9						13	8	25	1	1	4	259889.8	3912699.6	Kmf		103.87	7235	1976	7339
79			10				A7	42	13	8	25	1	1	1	259632.6	3912981.7	Qal	21	19.5	7267	9/1/1962	7287
80			15				MF16	43	13	8	25	1	1	4	259881.5	3912699.6	Kmf	35	27	7312	10/11/1972	7339
81								45	13	8	25	1	1	4	259881.5	3912699.6	Kmf		103.9	7235		7339

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		GMRC ER	NMEIBS	San Lucas Canyon	Polvadera Canyon	DP-61 Monitor Wells	NMMMMR HR2	Metric Corp.														
82	B-00428							44?	13	8	25	1	2	3	259997.7	3912716.2	Kpl,Kmf	325	75	7317	7/31/1971	7392
83		S-20							13	8	25	1	2	1	260006.0	3912990.0	Kpl		269.35	7044	1976	7313
84	B-00839							33	13	8	25	1			259920.0	3912641.0	Kmf	420	120	7229	9/8/1980	7349
85	B-00906							48	13	8	25	1	1		259733.0	3912847.0	Kmf,Qal	230	50	7250	6/22/1981	7300
86	B-00729								13	8	25	1	3	3	259618.0	3912339.0	Kmf					7333
87	B-00829							34	13	8	25	1	3	2	259818.0	3912539.0	Kmf,Qal	210	50	7352	8/18/1980	7402
88		S-11	12				MF19	38	13	8	26	2	1	1	258846.4	3912971.0	Kmf,Qal	40	33.4	7181	1976	7215
89							MF20		13	8	26	2	1	1	258848.9	3912971.0	Kmf	180	36	7179	8/1/1973	7215
90			11a				P2a		13	8	26	2	2	1	259251.0	3913006.6	Kpl	336	281	6973	9/11/1962	7254
91			11b				P2b(P3)		13	8	26	2	2	1	259251.0	3913006.6	Kmf	200	32.8	7221	10/24/1972	7254
92							MF21		13	8	26	2	2	2	259508.2	3912990.0	Kmf	57.5	21.5	7255	2/1/1978	7277
93	B-00428 S							37	13	8	26	2	1	2	259231.0	3912957.0	Kpl	703	210	7041		7251
94	B-01185							53	13	8	26	2	2		259332.0	3912858.0	Kmf	185	70	7200	4/21/1989	7270
95	B-00385							54	13	8	26	2	2	1	259231.0	3912957.0	Kpl	707	196	7055	10/27/1976	7251
96	B-00738							36	13	8	26	2	2	2	259431.0	3912957.0	Qal	80	36	7238	12/12/1979	7274
97								35	13	8	26	2	3	3	258812.0	3912368.0	Kmf					7261
98							MF22		13	8	27	1	3	3	256355.8	3912417.6	Kmf		24.2	7046	8/1/1977	7070
99	RG-43456		21					59	13	8	27	1	3	4	256604.0	3912429.0	Kmf	300				7080
100	B-01086							52	13	8	28	3	4	3	255202.0	3911899.0	Kmf	210	20	7050	1/1/1947	7070
101	B-00997								13	8	30				252287.0	3912456.0	Km					7267
102			22					41	13	8	33	2	3	4	255740.2	3910867.1	Kpl	600				7169
103							MF23(P4?)		13	8	33	2	3	4	255791.7	3910857.9	Kpl	500	113	7056	8/1/1977	7169
104	RG-43457							60	13	8	33	4	1	2	255750.0	3910641.0	Kmf	320	50	7142	1/1/1967	7192
105	B-01046								13	8	33	4	4	3	255937.0	3910028.0	Tb					7402
106	B-01190								13	9	11	3	3	3	248512.0	3916669.0	Qal/Jmw	390	37	6863	8/31/1989	6900
107							DK2		13	9	13	1	1	1	250096.7	3916461.4	Km	155	142.9	6799	2/1/1958	6942
108	B-00456								13	9	14	2	3		249391.0	3915949.0						6939
109	B-01104								13	9	14	4	3		249372.0	3915145.0	Jmw	303	247	6643	4/2/1986	6890
110							W2		13	9	15	3	4	3	247252.5	3915093.8	Jmw	260	223.7	6614	12/1/1957	6837
111	B-01115								13	9	15	3	4	4	247479.0	3915109.0	Jmw	478	204	6643	7/21/1986	6847
112							W6		13	9	22	1	1	1	246875.9	3914945.2	Jmw		220	6611		6831
113							W7		13	9	22	1	2	1	247232.7	3914945.2	Jmw	297	204.8	6632	12/1/1958	6837
114							W8		13	9	22	1	2	1	247232.7	3914945.2	Jmw	330	198.5	6639	10/1/1962	6837
115							A11		13	9	22	2	1	2	247916.5	3914915.5	Qal	130	37.1	6797	3/1/1975	6834
116	B-01636								13	9	22	1	2		247377.0	3914802.0	Qal	260	80	6744	5/10/2005	6824
117	B-00659								13	9	22	2	1	3	246883.0	3914717.0	Jmw	220	190	6641	1/18/1979	6831
118	B-00861								13	9	22	2	3	1	246981.0	3914003.0						6854
119							W9		13	9	23	2	1	2	249502.1	3914856.0	Qal/Jmw	280	50.5	6816	3/1/1976	6867
120			13				A12		13	9	24	2	2	1	251266.1	3914846.1	Qal	80	56.5	6856	12/1/1957	6913
121			14				A3		13	9	24	2	2	1a	251266.1	3914846.1	Qal	80	56.6	6856	12/1/1957	6913
122					Laguna Well				14	7	34?				267604.0	3920146.5						7805

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		GMRC ER	NMEIBS	San Lucas Canyon	Polvadera Canyon	DP-61 Monitor Wells	NMMMMR HR2	Metric Corp.														
123		S-7							14	7	19	2	2	1	263316.3	3924150.0	Kpl				6913	
124							DL2(1)		14	8	4	3	3	4	255438.2	3927730.8	Kcda	150.3	6982	10/16/1962	7133	
125									14	8	4	3	3	4	255438.2	3927730.8		500	6633		7133	
126					Section 4 Well				14	8	4	3	3	4	255438.2	3927730.8	Kcda				7133	
127			18						14	8	12	2	3	4	260941.7	3926787.1	Kmf,Kpu				6972	
128							MN1		14	8	15	2	4	4	258241.4	3925189.3	Km	1320	500	6701	7201	
129					Polvadera Well				14	8	15	2	4	4	258241.4	3925189.3	Kd	830	670	6531	3/1/1979	7201
130			19						14	8	15	4	3	3	257531.2	3924423.1	Km	1320				7247
131				SL-1					14	8	25	2	1	2	260782.9	3922629.1	Qal	50				7021
132				SL-2					14	8	25	2	1	2	260782.9	3922629.1	Kpl	230				7021
133				SL-3					14	8	25	2	1	2	260782.9	3922629.1	Kmf	260				7021
134									14	9	36	3	1	3	250259.5	3920146.9	Jmw	1500	582	6511		7093
135									14	9	34	4	2	2	248570.5	3920456.0	Jmw	1004	508	6526		7034
136	B-00993								14	9	35	4	1	1	249310.1	3920610.5	Jmw	1398				7077
137	B-00993-S								14	9	36	4	1	3	250527.0	3920058.0	Jmw	1553	0	7133		7133
138									13	9	22				246874.0	3914825.0	Jmw	170	86	6645		6815
140															258825.0	3913271.0		66	18.6			
141															248514.0	3915237.0		>410				
142									13	9	22				247749.0	3915037.0						
143									13	9	22				247689.0	3915023.0						

Previous Inventory Designation:

GMRC ER	GMRC Environmental Report, 1979
NMEIBS	New Mexico Environmental Institute Environmental Baseline Study, 1974
San Lucas Canyon	GMRC "Hydrologic Effects of Tailings Pipeline and Mill Site Facilities, Mt. Taylor Uranium Mill Project," 1979 (App. D to GMRC Groundwater Discharge Plan, December, 1979)
Polvadera Canyon	GMRC Groundwater Discharge Plan (December, 1979).
DP-61 Monitor wells	NMED DP-61 file for GMRC
NMMMMR HR2	NMMMMR Hydrologic Sheet 2
Metric Corp.	Consultant report to RGRC, 12/2005, 3/2005