

SUR: O-7-25s-34e, 660/S & 2111/E
 BHL: L-8-25s-34e, 2064/S & 696/W
 API # 30-025-32631

Company: EOG Resources, Inc.
 Field: Red Hills
 City/Blk/Par: Lea County, NM
 Well Name: RHNU # 706RE
 Rig: McVay Drilling # 7

ST

Job Number: 668367
 Magnetic Decl.: 8.48
 Grid Corr.: 0.44
 Total Survey Corr.: 8.82
 Target Info:

Minimum Curvature
 Proposed Azimuth: 62.28
 Depth Reference: FMS
 Date Printed: 11/20/03

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(R)	TVD (ft)	VS (ft)	Coordinates			Closure		DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)		Dist (ft)	Ang (°)			
0	GYRO	11885	3.45	254.02		11877.18	151.01	11.82	N 154.01	E	154.46				
1	MWD	11946	12.90	93.50	61	11937.76	145.90	10.89	N 159.08	E	159.45	86.08	26.55	15.5	-263.1
2	MWD	11961	24.40	97.00	35	11970.87	155.21	9.77	N 170.19	E	170.47	86.71	33.00	32.9	10.0
3	MWD	11986	25.30	98.20	15	11984.48	160.36	8.93	N 178.44	E	178.86	87.10	6.88	6.0	8.0
4	MWD	12041	25.90	93.00	45	12025.08	176.80	7.05	N 195.77	E	195.90	87.94	5.17	1.3	-11.6
5	MWD	12069	27.30	90.40	28	12060.10	187.52	6.68	N 208.30	E	208.41	88.16	6.50	5.0	-9.3
6	MWD	12101	31.00	91.00	32	12078.04	201.22	6.49	N 223.88	E	223.98	88.34	11.80	11.6	1.9
7	MWD	12131	36.00	87.60	30	12103.20	215.79	6.73	N 240.21	E	240.30	88.40	14.77	13.3	-11.7
8	MWD	12168	37.40	86.80	37	12133.06	235.82	7.82	N 262.03	E	262.15	88.29	6.58	6.5	-1.9
9	MWD	12194	43.00	86.60	26	12152.91	250.89	8.79	N 278.78	E	278.92	88.19	21.54	21.6	-0.8
10	MWD	12230	47.80	90.20	36	12178.18	273.88	9.47	N 304.39	E	304.54	88.22	15.11	13.3	10.0
11	MWD	12258	49.20	91.10	28	12198.73	282.33	9.23	N 325.36	E	325.48	88.38	5.55	5.0	3.2
12	MWD	12263	55.50	88.50	35	12218.11	316.91	9.35	N 353.05	E	353.17	88.46	18.83	18.0	-7.4
13	MWD	12321	60.50	86.90	28	12232.94	338.35	10.31	N 376.77	E	376.91	88.43	18.50	17.9	-3.7
14	MWD	12357	68.50	84.30	36	12248.43	368.18	12.83	N 409.13	E	409.33	88.20	23.18	22.2	-7.2
15	MWD	12385	73.20	81.80	28	12257.61	392.90	16.04	N 435.38	E	435.67	87.69	18.76	16.8	-8.9
16	MWD	12420	80.40	76.80	35	12265.60	425.46	22.36	N 468.82	E	469.36	87.27	24.83	20.6	-14.3
17	MWD	12447	83.30	74.20	27	12269.43	451.48	29.07	N 494.69	E	495.55	86.64	14.36	10.7	-9.6
18	MWD	12483	87.00	69.20	36	12272.46	486.85	40.33	N 528.73	E	530.27	85.64	17.24	10.3	-13.9
19	MWD	12511	88.60	68.70	28	12273.55	514.64	50.36	N 554.84	E	557.13	84.81	5.99	5.7	-1.8
20	MWD	12545	89.40	68.90	34	12274.14	548.41	62.68	N 588.54	E	589.88	83.90	2.43	2.4	0.6
21	MWD	12573	90.20	68.60	28	12274.24	578.23	72.82	N 612.63	E	616.95	83.22	3.05	2.9	-1.1
22	MWD	12608	89.90	68.30	35	12274.21	611.03	85.88	N 645.19	E	650.85	82.44	1.21	-0.9	-0.9
23	MWD	12638	89.80	66.90	30	12274.29	640.90	97.11	N 672.92	E	679.89	81.79	4.68	-0.3	-4.7
24	MWD	12662	89.20	65.70	24	12274.50	684.84	108.76	N 694.90	E	703.05	81.27	5.59	-2.5	-5.0
25	MWD	12698	87.30	65.20	36	12275.60	700.77	121.71	N 727.63	E	737.73	80.80	5.46	-5.3	-1.4
26	MWD	12733	86.70	66.00	35	12277.43	735.66	136.15	N 759.48	E	771.56	79.84	2.85	-1.7	2.3
27	MWD	12761	86.50	66.10	28	12279.09	763.55	147.49	N 785.00	E	798.74	79.36	0.80	-0.7	0.4
28	MWD	12796	86.40	66.20	35	12281.28	798.41	161.62	N 816.95	E	832.78	78.81	0.40	-0.3	0.3
29	MWD	12828	86.10	65.90	32	12283.35	830.27	174.58	N 846.13	E	863.95	78.34	1.32	-0.9	-0.9
30	MWD	12860	87.10	66.50	32	12285.25	862.14	187.47	N 876.36	E	895.21	77.91	3.64	3.1	1.9

Company: EOG Resources, Inc
 Field: Red Hills
 Cty/Blk/Par: Lee County, NM
 Well Name: RHNLI # 796RE
 Rig: McVay Drilling # 7

Job Number: 889387
 Magnetic Decl.: 8.40
 Grid Corr.: 0.44
 Total Survey Corr.: 8.82
 Target Info:

Minimum Curvature
 Proposed Azimuth: 82.28
 Depth Reference: RKB
 Date Printed: 11/28/93

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Dist (ft)	Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wbk Rate (°/100')
								N/S (ft)	E/W (ft)					
31	MWD	12891	87.10	85.40	31	12288.82	893.02	199.84	N 903.74	E 925.57	77.53	0.32	0.0	-0.3
32	MWD	12922	87.70	86.40	31	12288.22	923.91	212.24	N 932.12	E 955.98	77.17	1.94	1.9	0.0
33	MWD	12950	87.80	86.10	28	12289.32	951.82	223.51	N 957.73	E 983.48	76.86	1.13	0.4	-1.1
34	MWD	12985	88.70	85.60	35	12290.39	986.73	237.82	N 989.65	E 1017.82	76.49	2.94	2.6	-1.4
35	MWD	13012	89.20	85.60	27	12290.89	1013.68	249.97	N 1014.23	E 1044.34	76.21	1.85	1.9	0.0
36	MWD	13048	90.00	85.50	36	12291.14	1049.62	263.87	N 1047.00	E 1079.74	75.85	2.24	2.2	-0.3
37	MWD	13075	89.90	85.10	27	12291.18	1076.59	275.15	N 1071.53	E 1106.30	75.60	1.53	-0.4	-1.5
38	MWD	13121	90.00	84.10	46	12291.20	1122.55	294.88	N 1113.09	E 1151.48	75.18	2.18	0.2	-2.2
39	MWD	13143	90.70	85.80	22	12291.07	1144.52	304.20	N 1133.01	E 1173.14	74.97	8.36	3.2	7.7
40	MWD	13174	90.60	86.00	31	12290.72	1175.46	316.86	N 1161.31	E 1203.76	74.74	0.72	-0.3	0.6
41	MWD	13237	90.60	85.10	63	12290.06	1236.32	342.43	N 1216.88	E 1298.07	74.31	0.16	0.0	0.2
42	MWD	13298	90.30	85.60	62	12289.57	1300.20	367.79	N 1275.45	E 1327.42	73.91	0.94	-0.5	-0.8
43	MWD	13395	91.80	71.20	96	12287.81	1395.60	403.11	N 1364.66	E 1422.95	73.54	8.04	1.8	5.8
44	MWD	13426	92.30	71.70	31	12286.70	1426.18	412.97	N 1394.03	E 1453.91	73.50	2.28	1.6	1.6
45	MWD	13458	91.90	71.60	32	12285.53	1457.73	423.04	N 1424.38	E 1485.88	73.46	1.29	-1.2	-0.3
46	MWD	13489	90.60	73.00	31	12284.80	1488.25	432.46	N 1453.91	E 1516.86	73.44	5.74	-3.5	4.5
47	MWD	13521	90.30	72.60	32	12284.49	1519.71	441.92	N 1484.47	E 1548.86	73.42	2.00	-1.6	-1.3
48	MWD	13553	89.60	72.50	32	12284.52	1551.20	451.52	N 1515.00	E 1580.85	73.40	2.21	-2.2	-0.3
49	MWD	13584	89.20	71.80	31	12284.84	1581.74	461.02	N 1544.51	E 1611.84	73.38	2.60	-1.3	-2.3
50	MWD	13615	88.50	71.50	31	12285.46	1612.32	470.78	N 1573.92	E 1642.82	73.35	2.46	-2.3	-1.0
51	MWD	13647	89.70	73.50	32	12285.97	1643.81	480.40	N 1604.44	E 1674.81	73.33	7.29	3.8	6.3
52	MWD	13678	90.20	75.50	31	12285.99	1674.11	489.68	N 1634.31	E 1705.80	73.35	6.65	1.6	6.5
53	MWD	13710	90.00	74.10	32	12285.94	1705.35	497.07	N 1665.19	E 1737.79	73.38	4.42	-0.6	-4.4
54	S-T	13741	92.20	73.60	31	12285.34	1735.71	505.69	N 1694.98	E 1768.79	73.39	7.28	7.1	-1.6
55	MWD	13773	94.30	71.00	32	12283.53	1767.17	515.40	N 1725.39	E 1800.72	73.37	10.43	8.6	-8.1
56	MWD	13796	94.20	67.30	23	12281.82	1799.94	523.56	N 1745.82	E 1823.59	73.32	16.05	-0.4	-16.1
57	MWD	13805	94.40	66.00	9	12281.15	1798.89	527.12	N 1755.06	E 1832.51	73.28	14.57	2.2	-14.4
58	MWD	13836	93.30	62.90	31	12279.07	1829.79	540.46	N 1782.98	E 1853.07	73.14	10.59	-3.5	-10.0
59	MWD	13868	91.40	61.10	32	12277.75	1861.76	555.47	N 1811.19	E 1894.45	72.95	8.18	-5.9	-5.6
60	MWD	13900	90.10	60.40	32	12277.34	1893.74	571.10	N 1839.11	E 1925.74	72.75	4.61	-4.1	-2.2

Company: EOG Resources, Inc
 Field: Red Hills
 Cty/Blk/Par: Lea County, NM
 Well Name: RHNU # 798RE
 Rig: McVay Drilling # 7

Job Number: 888357
 Magnetic Decl.: 8.48
 Grid Corr.: 0.44
 Total Survey Corr.: 8.92
 Target Info:

Minimum Curvature
 Proposed Azimuth: 62.29
 Depth Reference: RKB
 Date Printed: 11/20/03

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure Dist (ft)	Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)					
61	MWD	13931	88.60	59.70	31	12277.69	1924.72	586.58	N 1865.96	E 1855.99	72.55	5.34	-4.8	-2.3
62	MWD	13963	88.60	59.10	32	12278.41	1956.67	602.86	N 1863.50	E 1967.15	72.34	1.98	0.6	-1.9
63	MWD	13984	88.50	58.50	31	12279.14	1987.80	618.82	N 1920.01	E 2017.30	72.13	2.16	-1.0	-1.9
64	MWD	14026	90.10	57.60	32	12279.53	2019.51	635.85	N 1947.16	E 2046.35	71.92	5.74	5.0	-2.8
65	MWD	14058	89.50	58.00	32	12279.65	2051.36	653.37	N 1973.93	E 2079.26	71.69	5.34	-1.9	-3.0
66	MWD	14089	89.70	54.30	31	12279.86	2082.12	671.08	N 1999.37	E 2106.99	71.45	6.52	0.6	-3.3
67	MWD	14121	90.50	53.70	32	12279.81	2113.79	689.89	N 2026.26	E 2139.54	71.19	3.12	2.6	-1.9
68	MWD	14152	91.40	53.10	31	12279.29	2144.41	708.37	N 2050.14	E 2169.07	70.94	3.49	2.9	-1.9
69	MWD	14180	91.70	52.00	28	12278.54	2171.99	725.39	N 2072.36	E 2195.65	70.71	4.07	1.1	-3.9
70	MWD	14215	92.60	51.30	35	12277.22	2208.37	747.09	N 2099.79	E 2226.74	70.41	3.26	2.6	-2.0
71	MWD	14247	92.80	49.60	32	12275.71	2237.85	767.45	N 2124.44	E 2256.81	70.14	5.34	0.6	-3.3
72	MWD	14279	92.40	47.80	32	12274.28	2266.72	788.54	N 2148.45	E 2286.59	69.85	5.76	-1.2	-3.6
73	MWD	14310	92.20	47.60	31	12273.02	2296.70	809.99	N 2171.36	E 2317.31	69.56	0.91	-0.6	-0.6
74	MWD	14342	92.20	47.50	32	12271.79	2329.62	830.97	N 2194.96	E 2346.99	69.28	0.31	0.0	-0.3
75	MWD	14373	91.90	47.50	31	12270.68	2359.58	851.90	N 2217.60	E 2375.79	68.99	0.97	-1.0	0.0
76	MWD	14405	92.10	47.00	32	12269.56	2390.46	873.61	N 2241.28	E 2405.52	68.71	1.68	0.6	-1.6
77	MWD	14436	91.50	47.10	31	12268.59	2420.36	894.72	N 2263.96	E 2434.35	68.44	1.96	-1.9	0.3
78	MWD	14469	91.70	47.00	33	12267.67	2452.18	917.20	N 2288.11	E 2465.09	68.16	0.68	0.6	-0.3
79	MWD	14500	92.00	46.70	31	12266.67	2482.05	938.39	N 2310.71	E 2493.98	67.90	1.37	1.0	-1.0
80	MWD	14531	92.00	46.70	31	12265.69	2511.89	959.64	N 2333.26	E 2522.89	67.64	0.00	0.0	0.0
81	MWD	14563	92.10	47.10	32	12264.44	2542.72	981.49	N 2356.61	E 2552.82	67.39	1.29	0.3	1.3
82	MWD	14595	91.90	46.80	32	12263.33	2573.56	1003.32	N 2379.98	E 2582.82	67.14	1.13	-0.6	-0.9
83	MWD	14626	91.80	47.00	31	12262.38	2603.44	1024.49	N 2402.60	E 2611.91	66.91	1.16	-1.0	0.6
84	MWD	14657	91.70	46.90	31	12261.49	2633.32	1045.64	N 2425.25	E 2641.06	66.66	0.46	0.3	-0.3
85	MWD	14689	91.40	46.00	32	12260.62	2664.09	1067.68	N 2448.43	E 2671.10	66.44	2.96	-0.9	-2.8
86	MWD	14720	92.40	47.30	31	12259.59	2693.93	1086.95	N 2470.96	E 2700.27	66.22	5.29	3.2	4.2
87	MWD	14752	91.60	47.60	32	12258.46	2724.84	1110.57	N 2494.52	E 2730.57	66.00	2.67	-2.5	0.9
88	MWD	14783	92.10	47.30	31	12257.48	2754.79	1131.53	N 2517.34	E 2759.96	65.80	1.66	1.6	-1.0
89	MWD	14810	93.10	47.00	27	12256.25	2780.83	1149.87	N 2537.12	E 2785.53	65.62	3.67	3.7	-1.1
90	MWD	14847	93.20	47.00	37	12254.22	2816.46	1175.07	N 2564.14	E 2820.56	65.38	0.27	0.3	0.0
91	MWD	14877	92.90	47.00	30	12252.62	2845.36	1195.50	N 2596.05	E 2849.01	65.19	1.00	-1.0	0.0
92	MWD	14910	93.00	46.50	33	12250.82	2877.11	1218.06	N 2610.05	E 2880.29	64.96	1.54	0.3	-1.5
93	MWD	14940	93.00	46.70	30	12249.35	2905.96	1238.66	N 2631.82	E 2908.74	64.80	0.67	0.0	0.7
94	MWD	14972	91.70	47.10	32	12248.04	2936.78	1260.51	N 2655.16	E 2939.18	64.60	4.25	-4.1	1.3
95	MWD	15003	91.40	46.80	31	12247.20	2966.67	1281.68	N 2677.91	E 2968.72	64.42	1.37	-1.0	-1.0
96	MWD	15035	90.80	47.00	32	12246.59	2997.51	1303.52	N 2701.17	E 2999.25	64.24	1.96	-1.9	0.6
97	MWD	15061	90.90	46.80	26	12246.20	3022.56	1321.29	N 2720.16	E 3024.07	64.09	0.86	0.4	-0.8
98	MWD	15096	90.70	47.50	37	12245.69	3056.29	1346.45	N 2747.27	E 3059.49	63.99	1.97	-0.5	1.9
99	MWD	15127	90.80	45.50	29	12245.36	3086.19	1366.41	N 2768.31	E 3087.17	63.73	6.90	-0.3	-6.9
100	TD	15161	92.00	47.00	54	12244.13	3138.07	1403.74	N 2807.30	E 3138.70	63.43	3.80	2.8	2.8