



McVAY DRILLING COMPANY
Post Office Box 924
Hobbs, New Mexico 88241
(505) 397-3311
FAX: 39-DRILL

Well Name and Number: Red Hills North Unit # 302

Location: EOG

Operator: Lea

SUR: B-13-25s-33e, 660/N & 1880/E
BHL: E-13-25s-33e, 2133/N & 4751/E
API # 30-025-32182

Drilling Contractor: McVay Drilling Company

The undersigned certifies that he is an authorized representative of the drilling contractor who drilled the above described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth		Degrees @ Depth		Degrees @ Depth	
17 ¼	11877	83 ¼	12454	90 ¾	14024
30 ¼	11920	84 ¾	12549	86 ¾	14212
39 ½	11977	90 ¾	12708	89 ½	14401
39	12014	90	12766	89 ¾	14780
38 ½	12046	90	12959	90 ¼	14875
37 ¾	12073	89 ¾	13080	90 ½	15030
39 ¼	12139	89	13141	90	15217
41 ½	12171	91	13330		
45 ½	12202	91 ½	13525		
65 ¾	12328	90 ½	13961		
82	12422				

Drilling Contractor: McVay Drilling Company

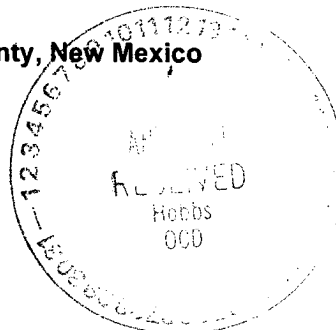
By: Jan Leary

Subscribed and sworn to before me this 14th day of January, 2004

Tina Fleming
Notary Public

My Commission Expires: 8-16-05

Lea County, New Mexico



Company: EOG Resources, Inc
Field: Red Hills North Unit
City/Blk/Par: Lea County, NM
Well Name: RHNU # 302RE
Rig: McVay Drilling # 7

Job Number: 806245
Magnetic Decl.: 8.45
Grid Corr.: 0.43
Total Survey Corr.: 8.02
Target Info:

Minimum Curvature
Proposed Azimuth: 243.23
Depth Reference: RKB
Date Printed: 01/08/04

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	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	11800	0.92	270.54		11797.68	-48.81	82.80	S 98.44	E	127.11				
1	MWD	11877	17.20	259.20	77	11873.47	-37.24	84.94	S 84.56	E	119.86	135.13	21.17	21.1	-14.7
2	MWD	11920	30.20	253.40	43	11912.76	-20.41	89.24	S 67.88	E	112.12	142.74	30.68	30.2	-13.5
3	MWD	11947	37.00	250.60	27	11935.24	-5.64	93.90	S 53.69	E	108.17	150.24	25.87	25.2	-10.7
4	MWD	11977	39.60	258.10	30	11958.79	12.57	98.89	S 35.81	E	105.17	160.09	17.82	8.7	25.3
5	MWD	12014	39.00	259.20	37	11987.42	35.16	103.60	S 12.84	E	104.29	172.93	2.48	-1.8	3.0
6	MWD	12046	38.60	258.40	32	12012.36	64.47	107.40	S 6.83	W	107.81	183.64	2.00	-1.3	-2.5
7	MWD	12073	37.80	257.30	27	12033.58	70.63	110.91	S 23.15	W	113.30	191.79	3.89	-3.0	-4.1
8	MWD	12108	38.20	257.70	35	12081.16	91.51	116.57	S 44.19	W	123.73	200.93	1.34	1.1	1.1
9	MWD	12139	39.30	255.50	31	12085.34	110.39	120.07	S 63.06	W	135.63	207.71	5.68	3.5	-7.1
10	MWD	12171	41.60	252.90	32	12109.69	130.76	125.73	S 83.03	W	150.88	213.44	8.91	7.2	-8.1
11	MWD	12202	45.60	249.80	31	12132.14	151.93	132.62	S 103.26	W	168.08	217.90	14.84	12.9	-10.6
12	MWD	12234	51.20	248.30	32	12153.37	175.73	141.23	S 125.58	W	188.98	221.64	17.76	17.6	-4.1
13	MWD	12265	56.80	247.40	31	12171.63	200.68	150.87	S 148.78	W	211.74	224.63	17.58	17.4	-2.9
14	MWD	12297	61.40	246.40	32	12188.11	228.05	161.44	S 173.98	W	237.34	227.14	15.24	15.0	-3.1
15	MWD	12328	65.70	246.70	31	12201.91	255.75	172.48	S 199.44	W	263.68	228.15	13.90	13.9	1.0
16	MWD	12360	70.60	246.80	32	12213.85	285.38	184.19	S 226.71	W	292.11	230.91	15.00	15.0	0.3
17	MWD	12391	77.40	247.70	31	12222.41	315.08	195.70	S 254.17	W	320.79	232.40	22.43	22.3	2.9
18	MWD	12422	81.90	248.30	31	12227.98	345.48	207.12	S 282.44	W	350.25	233.76	14.84	14.5	1.9
19	MWD	12454	83.20	249.30	32	12232.13	377.04	218.60	S 312.02	W	380.98	234.99	5.11	4.1	3.1
20	MWD	12485	83.70	249.10	31	12235.67	407.67	229.63	S 340.81	W	410.90	236.04	1.74	1.6	-0.6
21	MWD	12511	84.00	249.40	28	12238.45	433.38	238.69	S 364.99	W	436.11	236.82	1.63	1.2	1.2
22	MWD	12549	84.80	248.70	38	12242.16	471.00	262.21	S 400.30	W	473.13	237.79	2.79	2.1	-1.8
23	MWD	12578	89.80	248.70	27	12243.48	487.84	262.01	S 425.42	W	499.63	238.37	17.78	17.8	0.0

Company: EOG Resources, Inc
Field: Red Hills North Unit
City/Blk/Par: Lea County, NM
Well Name: RHNU # 302RE
Rig: McVay Drilling # 7

Job Number: 606245
Magnetic Decl.: 8.45
Grid Corr.: 0.43
Total Survey Corr.: 8.02
Target Info:

Minimum Curvature
Proposed Azimuth: 243.23
Depth Reference: RKB
Date Printed: 01/08/04

a.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Dist (ft)	Ang (°)	DLS (°/100')	Bld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)					
24	MWD	12613	90.90	248.90	37	12243.32	534.66	275.39	S 459.92	W 536.06	239.09	3.55	3.5	0.5
25	MWD	12644	90.90	249.00	31	12242.83	565.50	286.52	S 488.84	W 566.62	239.62	0.32	0.0	0.3
26	MWD	12708	90.70	248.30	64	12241.94	629.21	309.82	S 548.45	W 629.91	240.54	1.14	-0.3	-1.1
27	MWD	12766	90.00	248.10	58	12241.58	686.99	331.36	S 602.30	W 687.43	241.18	1.26	-1.2	-0.3
28	MWD	12828	89.40	247.90	62	12241.81	748.77	354.58	S 659.78	W 749.03	241.75	1.02	-1.0	-0.3
29	MWD	12896	89.70	247.80	68	12242.44	816.56	380.33	S 722.72	W 816.68	242.24	0.62	0.4	-0.4
30	MWD	12959	90.00	247.20	63	12242.61	879.39	404.54	S 780.88	W 879.44	242.61	0.79	0.5	-0.6
31	MWD	13022	90.20	247.10	63	12242.50	942.25	429.00	S 838.93	W 942.26	242.82	0.35	0.3	-0.2
32	MWD	13080	89.80	246.30	58	12242.50	1000.14	451.95	S 892.20	W 1000.14	243.14	1.54	-0.7	-1.4
33	MWD	13141	89.10	244.80	61	12243.06	1061.09	477.29	S 947.68	W 1061.09	243.27	3.01	-1.1	-2.8
34	MWD	13204	89.60	243.90	63	12243.80	1124.07	504.66	S 1004.42	W 1124.07	243.32	1.37	0.8	-1.1
35	MWD	13267	89.50	243.60	63	12244.29	1187.07	532.52	S 1060.92	W 1187.07	243.35	0.50	-0.2	-0.5
36	MWD	13330	91.00	243.30	63	12244.02	1250.07	560.68	S 1117.28	W 1250.07	243.35	2.43	2.4	-0.5
37	MWD	13393	91.20	242.80	63	12242.81	1313.05	589.22	S 1173.43	W 1313.06	243.34	0.85	0.3	-0.8
38	MWD	13461	91.30	242.40	68	12241.32	1381.03	620.81	S 1233.78	W 1381.03	243.30	0.61	0.1	-0.6
39	MWD	13525	91.50	243.00	64	12239.76	1445.01	649.86	S 1290.64	W 1445.01	243.27	0.99	0.3	0.9
40	MWD	13583	91.10	244.20	58	12238.44	1502.99	675.64	S 1342.57	W 1502.99	243.29	2.18	-0.7	2.1
41	MWD	13646	91.00	244.40	63	12237.29	1565.97	702.95	S 1399.33	W 1565.97	243.33	0.35	-0.2	0.3
42	MWD	13707	91.10	244.60	61	12236.17	1626.95	729.21	S 1454.38	W 1626.95	243.37	0.37	0.2	0.3
43	MWD	13770	90.50	244.60	63	12235.29	1689.92	756.23	S 1511.29	W 1689.93	243.42	0.95	-1.0	0.0
44	MWD	13833	89.60	244.70	63	12235.24	1752.80	783.20	S 1568.22	W 1752.92	243.46	1.44	-1.4	0.2
45	MWD	13897	90.10	245.00	64	12235.40	1816.88	810.40	S 1626.15	W 1816.90	243.51	0.91	0.8	0.5
46	MWD	13961	90.50	244.80	64	12235.07	1880.85	837.55	S 1684.11	W 1880.88	243.56	0.70	0.6	-0.3

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Field: Red Hills North Unit
City/Blk/Par: Lea County, NM
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Grid Corr.: 0.43
Total Survey Corr.: 8.02
Target Info:

Minimum Curvature
Proposed Azimuth: 243.23
Depth Reference: RKB
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C	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS ("/100')	Bld Rate ("/100')	Wlk Rate ("/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
47	MWD	14024	90.70	245.30	63	12234.41	1943.81	864.12	S 1741.22 W	1943.85	243.61	0.85	0.3	0.8
48	MWD	14086	90.00	244.90	62	12234.03	2005.78	890.23	S 1797.48 W	2005.83	243.85	1.30	-1.1	-0.6
49	MWD	14149	87.60	244.50	63	12235.40	2068.74	917.14	S 1854.40 W	2068.80	243.88	4.02	-4.0	-0.6
50	MWD	14212	86.80	243.20	63	12238.54	2131.65	944.87	S 1910.88 W	2131.72	243.89	2.34	-1.1	-2.1
51	MWD	14274	87.90	242.10	62	12241.40	2193.58	973.33	S 1965.89 W	2193.64	243.86	2.51	1.8	-1.8
52	MWD	14338	89.40	241.20	64	12242.91	2257.54	1003.71	S 2022.19 W	2257.59	243.80	2.73	2.3	-1.4
53	MWD	14401	89.60	240.50	63	12243.48	2320.48	1034.39	S 2077.21 W	2320.51	243.53	1.16	0.3	-1.1
54	MWD	14465	90.00	240.60	64	12243.68	2384.41	1065.86	S 2132.94 W	2384.43	243.45	0.64	0.6	0.2
55	MWD	14529	90.40	240.10	64	12243.46	2448.33	1097.52	S 2188.58 W	2448.34	243.37	1.00	0.6	-0.8
56	MWD	14591	89.70	240.70	62	12243.41	2510.25	1128.14	S 2242.47 W	2510.25	243.29	1.49	-1.1	1.0
57	MWD	14655	89.70	240.00	64	12243.74	2574.17	1169.80	S 2298.09 W	2574.17	243.22	1.09	0.0	-1.1
58	MWD	14717	89.70	240.20	62	12244.07	2636.08	1190.71	S 2351.83 W	2636.08	243.15	0.32	0.0	0.3
59	MWD	14780	89.90	240.70	63	12244.29	2699.00	1221.78	S 2406.64 W	2699.01	243.08	0.85	0.3	0.8
60	MWD	14845	90.20	241.10	65	12244.23	2763.95	1253.39	S 2463.43 W	2763.98	243.03	0.77	0.5	0.6
61	MWD	14908	90.30	241.20	61	12243.96	2824.91	1282.82	S 2516.86 W	2824.93	242.99	0.23	0.2	0.2
62	MWD	14968	90.40	241.30	62	12243.59	2886.87	1312.65	S 2571.22 W	2886.90	242.86	0.23	0.2	0.2
63	MWD	15030	90.40	241.80	62	12243.15	2948.84	1342.18	S 2625.73 W	2948.88	242.93	0.81	0.0	0.8
64	MWD	15093	90.30	242.00	63	12242.77	3011.82	1371.85	S 2681.30 W	3011.87	242.80	0.35	-0.2	0.3
65	MWD	15155	90.10	242.10	62	12242.55	3073.81	1400.91	S 2736.07 W	3073.86	242.89	0.36	-0.3	0.2
66	MWD	15217	90.00	242.10	62	12242.50	3135.80	1429.93	S 2790.86 W	3135.86	242.87	0.16	-0.2	0.0
67	TD	15308	90.00	242.10	91	12242.50	3226.78	1472.51	S 2871.29 W	3226.85	242.85	0.00	0.0	0.0