



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 # 309

Location: Lea County

Operator: EOG

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	
3/4	660	1	8082	93	12732
1/2	1177	1	8462	92 3/4	12879
1	2128	3/4	9200	92 1/4	12976
1	2697	1 1/4	9714	92 1/4	13205
3	3197	3/4	10707	89 1/2	13692
3 3/4	3393	2	11189	91 1/4	14020
3 3/4	3646	1	11708	89 1/2	14379
4	3900	2 3/4	11736	89 1/2	14569
3 3/4	4153	6 1/4	11790	88 3/4	14771
3 3/4	4400	35 1/2	12025	90.8	15163
4 1/4	4629	39 3/4	12059	91.1	15293
5 3/4	4914	43 1/2	12091	91.6	15358
5	5140	46	12121	91.5	15560
1 3/4	5611	55 1/4	12221	90 3/4	15722
4 3/4	5707	56 3/4	12287	91 1/2	15818
3 1/4	5802	60 1/2	12287	90 1/2	16112
1	6181	77 1/2	12477	90 1/2	16309
1/2	6560	75 1/2	12576	88 1/4	16500
1/2	7131	73 3/4	12604	88 3/4	16824
3/4	7891	81 3/4	12670	90	16987
				91	17150
				91 1/4	17301

Drilling Contractor: McVay Drilling Company

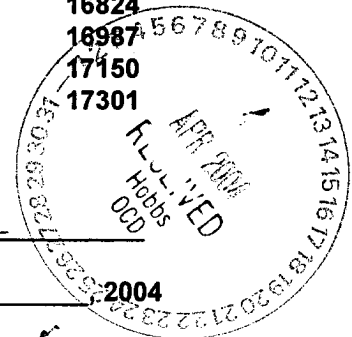
By: Joe Alon

Subscribed and sworn to before me this 8th day of March

Joe Alon
Notary Public

My Commission Expires 8-16-05

Lea County, New Mexico





Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/19/2004
FINISH: 1/23/2004
JOB #: 619466

PROPOSED DIRECTION: 0.0
Mag to Grid 8.0

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS 100
TIE-IN	5040	5.50	102.99	5032.26	-54.33	235.53	-54.33	0.00
1	5140	5.10	102.99	5131.83	-56.41	244.53	-56.41	0.40
2	5231	4.70	100.53	5222.50	-58.00	252.14	-58.00	0.50
3	5327	4.66	101.59	5318.18	-59.50	259.82	-59.50	0.10
4	5422	4.66	102.29	5412.87	-61.10	267.38	-61.10	0.06
5	5516	4.75	102.64	5506.55	-62.76	274.90	-62.76	0.10
6	5611	4.83	104.40	5601.22	-64.62	282.62	-64.62	0.18
7	5707	4.83	101.59	5696.88	-66.43	290.49	-66.43	0.25
8	5802	3.34	94.55	5791.63	-67.46	297.17	-67.46	1.65
9	5897	3.43	92.45	5886.47	-67.80	302.76	-67.80	0.16
10	5992	2.37	69.59	5981.35	-67.23	307.44	-67.23	1.63
11	6087	2.37	74.16	6076.27	-66.01	311.18	-66.01	0.20
12	6181	1.14	52.72	6170.22	-64.92	313.79	-64.92	1.46
13	6276	1.23	40.77	6265.20	-63.57	315.21	-63.57	0.28
14	6370	0.53	9.48	6359.19	-62.38	315.94	-62.38	0.88
15	6465	0.44	26.35	6454.19	-61.62	316.17	-61.62	0.18
16	6560	0.35	14.05	6549.18	-61.01	316.40	-61.01	0.13
17	6751	0.53	348.38	6740.18	-59.58	316.37	-59.58	0.14
18	6940	0.44	359.98	6929.17	-58.00	316.19	-58.00	0.07
19	7131	0.18	285.10	7120.17	-57.18	315.90	-57.18	0.22
20	7321	0.44	298.11	7310.17	-56.76	314.97	-56.76	0.14
21	7510	0.62	258.03	7499.16	-56.63	313.33	-56.63	0.21
22	7701	0.70	243.62	7690.15	-57.37	311.27	-57.37	0.10
24	7891	0.88	255.57	7880.13	-58.25	308.82	-58.25	0.13
25	8082	1.14	222.87	8071.10	-60.00	306.11	-60.00	0.33
26	8175	0.97	218.66	8164.08	-61.30	304.99	-61.30	0.20
27	8272	1.05	207.41	8261.07	-62.73	304.06	-62.73	0.22
28	8367	0.70	147.29	8356.06	-63.99	303.98	-63.99	0.98
29	8462	0.97	139.20	8451.05	-65.08	304.82	-65.08	0.31
30	8567	0.18	39.01	8546.05	-65.58	305.44	-65.58	1.07
31	8684	0.00	40.06	8673.04	-65.42	305.56	-65.42	0.14
TD	8735	0.00	40.06	8724.04	-65.42	305.56	-65.42	0.00



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619456

PROPOSED DIRECTION: 58.78
Mag to Grid 8.02

---12260 EOC

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
TIE-IN	11605	1.98	276.08	11594.75	-55.04	178.06	123.75	0.00
1	11708	0.90	1.70	11697.72	-54.04	176.31	122.77	2.05
2	11736	2.80	50.60	11725.71	-53.39	176.85	123.57	8.25
3	11770	6.20	56.50	11759.60	-51.85	179.02	126.22	10.08
4	11802	10.00	56.50	11791.28	-49.36	182.78	130.73	11.88
5	11832	12.90	59.70	11820.68	-46.23	187.85	136.68	9.89
6	11866	16.30	61.10	11853.57	-42.01	195.30	146.24	10.05
7	11898	19.60	60.80	11884.01	-37.22	203.92	155.10	10.32
8	11929	23.00	59.00	11912.89	-31.56	213.65	166.35	11.17
9	11963	27.60	57.20	11943.62	-23.87	225.98	180.88	13.72
10	11995	31.80	55.80	11971.41	-15.11	239.19	196.71	13.30
11	12025	35.60	54.40	11996.37	-5.58	252.83	213.32	12.93
12	12059	39.80	54.10	12023.26	6.56	269.70	234.04	12.36
13	12091	43.50	54.10	12047.17	19.03	286.92	255.24	11.56
14	12121	46.00	54.40	12068.47	31.37	304.06	276.29	8.36
15	12158	49.10	55.50	12093.44	47.04	326.41	303.52	8.66
16	12190	52.20	55.50	12113.73	61.06	346.80	328.23	9.69
17	12221	55.30	56.20	12132.06	75.09	367.49	353.19	10.16
18	12255	58.40	56.90	12150.65	90.77	391.24	381.63	9.28
19	12287	60.50	56.90	12166.91	105.82	414.32	409.17	6.56
20	12317	62.10	57.20	12181.32	120.13	436.41	435.47	5.40
21	12351	65.10	57.60	12196.43	136.54	462.06	465.92	8.89
22	12383	68.70	57.20	12208.99	152.39	486.85	495.34	11.31
23	12413	72.20	56.90	12219.02	167.77	510.57	523.59	11.70
24	12447	75.80	57.90	12228.39	185.37	538.10	556.26	10.96
25	12477	77.50	59.70	12235.32	200.49	563.07	585.44	8.14
26	12512	78.30	60.80	12242.66	217.47	592.78	619.65	3.83
27	12542	78.20	61.50	12248.77	231.64	618.50	649.00	2.31
28	12576	75.60	61.10	12256.47	247.54	647.55	682.08	7.73
29	12604	73.70	58.60	12263.89	261.10	670.90	709.07	10.96
30	12639	76.80	58.60	12272.80	278.73	699.78	742.92	8.86
31	12670	81.80	59.30	12278.55	294.44	725.87	773.37	16.28
32	12681	83.80	59.30	12279.93	300.01	735.25	784.28	18.18
Bit	12732	93.00	59.30	12281.35	326.01	779.04	835.20	18.04



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619466

PROPOSED DIRECTION: 58.78
Mag to Grid 8.02

***12280 EOC

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
26	12512	78.30	60.80	12242.66	217.47	592.78	619.65	3.83
27	12542	78.20	61.50	12248.77	231.64	618.50	649.00	2.31
28	12576	75.60	61.10	12256.47	247.54	647.55	682.08	7.73
29	12604	73.70	58.60	12263.89	261.10	670.90	709.07	10.96
30	12639	76.80	58.60	12272.80	278.73	699.78	742.92	8.86
31	12670	81.80	59.30	12278.55	294.44	725.87	773.37	16.28
32	12681	83.80	59.30	12279.93	300.01	735.25	784.28	18.18
33	12715	88.50	59.20	12282.21	317.35	764.40	818.19	13.83
34	12748	91.40	59.00	12282.24	334.29	792.71	851.19	8.81
35	12780	91.70	59.00	12281.37	350.77	820.13	883.18	0.94
36	12813	92.00	60.10	12280.31	367.48	848.56	916.16	3.45
37	12846	92.50	59.00	12279.01	384.20	876.99	949.13	3.66
38	12879	92.90	58.60	12277.46	401.27	905.19	982.09	1.71
Bit	12955	92.00	57.50	12274.21	441.45	969.61	1058.01	1.87



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619466

PROPOSED DIRECTION: 58.7
Mag to Gnd 8.0

***12280 EOC

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
36	12813	92.00	60.10	12280.31	367.48	848.56	916.16	3.45
37	12846	92.50	59.00	12279.01	384.20	876.99	949.13	3.66
38	12879	92.90	58.60	12277.46	401.27	905.19	982.09	1.71
39	12911	93.30	58.80	12275.73	417.92	932.46	1014.04	1.25
40	12943	91.90	57.20	12274.28	434.91	959.54	1046.00	6.18
41	12976	92.20	57.20	12273.10	452.77	987.26	1078.97	0.91
42	13009	92.80	55.80	12271.66	470.97	1014.75	1111.91	4.61
43	13042	93.30	55.50	12269.90	489.56	1041.96	1144.82	1.77
44	13074	93.30	53.70	12268.06	508.07	1068.00	1176.68	5.62
45	13107	92.80	51.60	12266.30	528.06	1094.19	1209.44	6.53
46	13139	93.00	50.90	12264.68	548.06	1119.12	1241.12	2.27
47	13172	93.30	50.60	12262.87	568.91	1144.63	1273.75	1.28
48	13205	92.30	50.60	12261.26	589.83	1170.10	1306.37	3.03
49	13237	92.70	50.60	12259.86	610.12	1194.80	1338.02	1.25
50	13270	92.00	50.60	12258.51	631.05	1220.28	1370.66	2.12
51	13302	92.50	50.20	12257.25	651.43	1244.92	1402.29	2.00
52	13335	91.10	50.20	12256.22	672.54	1270.26	1434.90	4.24
53	13368	91.10	50.60	12255.58	693.57	1295.68	1467.54	1.21
54	13400	89.60	49.80	12255.39	714.04	1320.28	1499.19	5.17
55	13433	88.10	49.50	12256.05	735.37	1345.45	1531.77	4.70
56	13465	88.70	49.20	12256.94	756.21	1369.72	1563.32	2.10
57	13498	88.90	48.80	12257.63	777.86	1394.62	1595.84	1.35
58	13530	87.50	49.50	12258.64	798.78	1418.81	1627.37	4.86
59	13563	87.60	49.20	12260.05	820.26	1443.82	1659.89	0.96
60	13595	87.60	49.20	12261.43	841.80	1468.78	1692.40	0.00
Bit	13660	89.50	50.00	12263.05	883.26	1517.50	1755.56	3.22



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3382)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619488

PROPOSED DIRECTION: 58.1
Mag to Grd 8.1

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS 100
78	14509	89.60	59.30	12258.01	1340.55	2231.74	2603.39	0.86
79	14542	89.90	59.00	12258.15	1357.47	2260.07	2636.38	1.26
80	14572	90.40	59.00	12258.07	1372.92	2285.78	2666.38	1.67
81	14607	90.30	59.00	12257.86	1390.95	2315.78	2701.38	0.26
82	14673	89.60	58.60	12257.91	1425.14	2372.24	2767.38	1.22
83	14705	89.80	58.60	12258.08	1441.81	2399.55	2799.38	0.83
84	14771	88.90	59.00	12258.83	1476.00	2456.00	2865.38	1.46
85	14804	88.90	59.30	12259.46	1492.91	2484.33	2898.37	0.97
86	14836	89.10	59.70	12260.02	1509.15	2511.89	2930.36	1.46
87	14868	89.00	59.70	12260.55	1525.30	2539.52	2962.35	0.37
88	14934	89.60	59.30	12250.00	1558.79	2596.38	3028.34	1.06
89	14966	89.90	59.30	12261.50	1575.13	2623.90	3060.34	0.97
90	15000	89.20	59.70	12261.77	1592.38	2653.19	3094.34	2.37
91	15032	89.60	59.70	12262.10	1608.53	2680.82	3126.33	1.27
92	15073	89.90	59.70	12262.28	1629.21	2716.22	3167.33	0.77
93	15097	89.90	60.10	12262.32	1641.25	2736.98	3191.32	1.67
94	15163	90.80	59.30	12261.92	1674.55	2793.96	3257.31	1.87
95	15228	91.10	59.30	12260.84	1707.73	2849.85	3322.30	0.47
96	15293	91.10	59.30	12259.59	1740.91	2905.73	3387.28	0.07
97	15358	91.60	59.30	12258.06	1774.08	2961.60	3452.26	0.77
98	15396	91.80	59.00	12256.93	1793.56	2994.21	3490.25	0.97
99	15429	92.30	58.30	12255.75	1810.72	3022.37	3523.22	2.67
100	15494	92.00	59.30	12253.32	1844.37	3077.93	3588.18	1.67
101	15527	91.50	59.70	12252.31	1861.11	3106.35	3621.16	1.97
102	15560	91.50	59.30	12251.44	1877.85	3134.78	3654.15	1.27
103	15592	91.00	59.00	12250.75	1894.25	3162.24	3686.14	1.87
104	15625	90.30	58.60	12250.37	1911.35	3190.47	3719.13	2.47
105	15657	90.40	59.00	12250.18	1927.92	3217.84	3751.13	1.27
106	15722	90.80	59.00	12249.50	1961.40	3273.55	3816.13	0.67
107	15753	91.10	59.30	12248.98	1977.29	3300.16	3847.12	1.37
108	15818	91.40	59.70	12247.56	2010.28	3356.15	3912.10	0.77
109	15851	90.10	60.40	12247.13	2026.75	3384.74	3945.09	4.47
110	15884	89.90	59.70	12247.13	2043.22	3413.34	3978.08	2.27
Bit	15972	89.50	63.00	12247.59	2085.41	3490.55	4065.98	3.77



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3382)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619466

PROPOSED DIRECTION: 58.7
Mag to Grid 8.0

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS/ 100
105	15657	90.40	59.00	12250.18	1927.92	3217.84	3751.13	1.29
106	15722	90.80	59.00	12249.50	1961.40	3273.55	3816.13	0.62
107	15753	91.10	59.30	12248.98	1977.29	3300.16	3847.12	1.37
108	15818	91.40	59.70	12247.56	2010.28	3356.15	3912.10	0.77
109	15851	90.10	60.40	12247.13	2026.75	3384.74	3945.09	4.47
110	15884	89.90	59.70	12247.13	2043.22	3413.34	3978.08	2.21
111	15921	90.40	61.10	12247.03	2061.50	3445.51	4015.07	4.02
112	15951	90.50	63.20	12246.80	2075.51	3472.03	4045.01	7.01
113	15982	91.10	64.60	12246.37	2089.15	3499.86	4075.89	4.91
114	16015	91.70	65.70	12245.56	2103.01	3529.80	4108.67	3.80
115	16055	90.60	66.70	12244.76	2119.15	3566.39	4148.33	3.72
116	16112	90.90	67.10	12244.01	2141.51	3618.81	4204.75	0.86
117	16137	91.10	67.80	12243.57	2151.10	3641.90	4229.46	2.91
118	16178	91.30	67.80	12242.72	2166.59	3679.85	4269.95	0.46
119	16243	89.60	69.20	12242.21	2190.41	3740.32	4334.01	3.36
120	16309	90.40	69.90	12242.21	2213.47	3802.16	4398.84	1.61
121	16372	89.10	69.20	12242.48	2235.48	3861.19	4460.73	2.34
122	16404	87.60	69.20	12243.40	2246.84	3891.09	4492.19	4.66
123	16437	87.50	69.20	12244.81	2258.54	3921.91	4524.62	0.30
124	16470	87.90	68.80	12246.14	2270.36	3952.70	4557.07	1.71
125	16500	88.20	69.20	12247.16	2281.10	3980.69	4586.57	1.61
Bit	16560	89.00	68.80	12248.62	2302.60	4036.68	4645.60	1.41



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619486

PROPOSED DIRECTION: 58.7
Mag to Grid 8.0

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS 100
117	16137	91.10	67.80	12243.57	2151.10	3841.90	4229.48	2.91
118	16178	91.30	67.80	12242.72	2166.59	3679.85	4269.95	0.48
119	16243	89.60	69.20	12242.21	2190.41	3740.32	4334.01	3.39
120	16309	90.40	69.90	12242.21	2213.47	3802.16	4398.84	1.61
121	16372	89.10	69.20	12242.48	2235.48	3861.19	4460.73	2.34
122	16404	87.60	69.20	12243.40	2246.84	3891.09	4492.19	4.66
123	16437	87.50	69.20	12244.81	2258.54	3921.91	4524.62	0.30
124	16470	87.90	68.80	12246.14	2270.36	3952.70	4557.07	1.71
125	16500	88.20	69.20	12247.16	2281.10	3980.69	4586.57	1.67
126	16533	88.20	68.80	12248.19	2292.92	4011.48	4619.03	1.21
127	16563	88.40	68.80	12249.08	2303.77	4039.44	4648.56	0.61
128	16597	88.90	68.80	12249.89	2316.06	4071.13	4682.03	1.41
129	16630	89.60	69.50	12250.32	2327.80	4101.96	4714.49	3.01
130	16664	89.60	69.20	12250.76	2330.37	4161.85	4777.40	0.41
131	16727	88.20	68.80	12251.40	2362.20	4192.65	4809.87	4.41
132	16758	88.30	68.50	12252.34	2373.48	4221.51	4840.40	1.01
133	16791	88.70	68.50	12253.21	2385.57	4252.20	4872.92	1.21
134	16824	89.00	68.50	12253.87	2397.66	4282.90	4905.44	0.91
135	16856	89.40	68.80	12254.32	2409.31	4312.70	4936.96	1.51
136	16889	89.70	68.80	12254.58	2421.24	4343.47	4969.45	0.81
137	16922	89.80	68.10	12254.72	2433.36	4374.16	5001.98	2.11
138	16954	90.20	68.80	12254.72	2445.12	4403.92	5033.53	2.51
139	16987	90.10	68.50	12254.63	2457.13	4434.66	5066.04	0.61
140	17020	90.40	68.50	12254.49	2469.23	4465.36	5098.57	0.61
141	17052	90.50	68.50	12254.24	2480.95	4495.13	5130.11	0.31
142	17085	90.80	68.50	12253.86	2493.05	4525.84	5162.63	0.61
143	17117	90.80	68.10	12253.42	2504.88	4555.57	5194.19	1.21
144	17150	91.10	68.10	12252.87	2517.19	4586.18	5226.75	0.11
Bit	17220	90.70	68.80	12251.77	2542.89	4651.28	5295.74	1.11



Survey Report

INTEQ

MIN. CURVATURE CALCULATIONS (SPE-3362)

OPERATOR: EOG Resources
WELL: RHNU #309
LOCATION: Lea Co., N.M.

START: 1/29/2004
FINISH:
JOB #: 619466

PROPOSED DIRECTION: 58.
Mag to Grid 8.

STATION NUMBER	SURVEY DEPTH	INC	AZMTH	TVD	N-S	E-W	VERT. SECTION	DLS 100
140	17020	90.40	68.50	12254.49	2469.23	4485.36	5098.57	0.91
141	17052	90.50	68.50	12254.24	2480.95	4495.13	5130.11	0.31
142	17085	90.80	68.50	12253.86	2493.05	4525.84	5162.63	0.91
143	17117	90.80	68.10	12253.42	2504.88	4555.57	5194.19	1.28
144	17150	91.10	68.10	12252.87	2517.19	4586.18	5226.75	0.91
145	17183	90.30	67.40	12252.47	2529.68	4616.72	5259.34	3.22
146	17248	90.60	66.70	12251.96	2555.02	4676.57	5323.66	1.17
147	17301	91.00	66.70	12251.22	2575.99	4725.25	5376.15	0.76
Bi/VD	17364	91.47	66.70	12249.86	2600.90	4783.09	5438.54	0.76

400

2003