



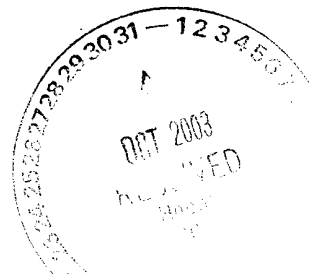
Gyrodata Incorporated
3811 S. Co. Rd. 1285
Odessa, TX. 79765

915/561-8458
Fax: 915/563-7982

SUR: E-17-25s-34e. 1831/N & 660/W
BHL: G-18-25s-34e, 2208/N & 2157/E
API # 30-32989

SURVEY REPORT
EOG RESOURCES
R.H.N.U. 103 NO. 902
MCVAY # 7
EDDY COUNTY, NEW MEXICO
MD0803GW246

AUGUST 7, 2003



A handwritten signature, possibly "K2", in the bottom right corner of the page.

for

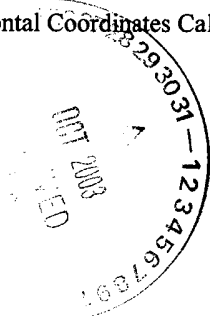
EOG RESOURCES

Well: R.H.N.U. # 902, 5-1/2" Casing
Location: McVay # 7, Eddy County, New Mexico

EOG RESOURCES

Well: R.H.N.U. # 902, 5-1/2" Casing
Location: McVay # 7, Eddy County, New Mexico

Horizontal Coordinates Calculated from Well Head Location



A Gyrodata Directional Survey

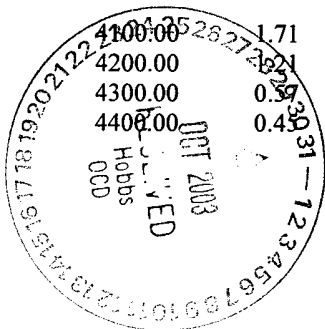
EOG Resources

Well: R.H.N.U. # 902, 5-1/2" Casing

Location: McVay # 7, Eddy County, New Mexico

Job Number: MD0803GW246

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2100.00	0.65	176.42	S 3 35 E	0.14	2099.89	20.5 175.2	20.46 S 1.70 E
2200.00	0.78	181.17	S 1 10 W	0.14	2199.89	21.8 175.5	21.71 S 1.73 E
2300.00	0.69	181.87	S 1 52 W	0.09	2299.88	23.1 175.8	23.00 S 1.69 E
2400.00	0.61	182.17	S 2 10 W	0.08	2399.87	24.2 176.1	24.13 S 1.65 E
2500.00	0.70	151.47	S 28 32 E	0.36	2499.87	25.3 175.6	25.20 S 1.92 E
2600.00	0.67	137.17	S 42 50 E	0.17	2599.86	26.3 174.3	26.17 S 2.61 E
2700.00	0.69	136.94	S 43 4 E	0.02	2699.85	27.3 172.8	27.04 S 3.43 E
2800.00	0.89	104.48	S 75 31 E	0.48	2799.84	28.1 170.6	27.68 S 4.59 E
2900.00	1.00	107.67	S 72 20 E	0.12	2899.83	28.8 167.6	28.14 S 6.17 E
3000.00	1.20	96.92	S 83 5 E	0.29	2999.81	29.6 164.3	28.53 S 8.04 E
3100.00	1.61	96.11	S 83 53 E	0.41	3099.78	30.6 160.0	28.80 S 10.48 E
3200.00	2.00	95.39	S 84 37 E	0.39	3199.73	32.1 155.0	29.11 S 13.60 E
3300.00	2.33	92.55	S 87 27 E	0.35	3299.66	34.1 149.4	29.37 S 17.37 E
3400.00	2.50	93.57	S 86 26 E	0.17	3399.57	36.6 143.9	29.59 S 21.57 E
3500.00	2.75	94.49	S 85 31 E	0.26	3499.47	39.7 138.9	29.92 S 26.13 E
3600.00	2.70	98.06	S 81 57 E	0.18	3599.35	43.3 134.6	30.43 S 30.85 E
3700.00	2.50	104.20	S 75 48 E	0.34	3699.25	47.2 131.6	31.30 S 35.30 E
3800.00	2.21	102.19	S 77 49 E	0.31	3799.17	50.8 129.4	32.24 S 39.30 E
3900.00	2.06	95.81	S 84 11 E	0.28	3899.10	54.1 127.4	32.83 S 42.97 E
4000.00	2.09	93.12	S 86 53 E	0.10	3999.03	57.1 125.4	33.11 S 46.58 E
4100.00	1.71	98.20	S 81 48 E	0.42	4098.98	60.0 123.8	33.42 S 49.88 E
4200.00	0.56	104.62	S 75 23 E	0.53	4198.94	62.4 122.9	33.90 S 52.37 E
4300.00	0.56	116.86	S 63 8 E	0.66	4298.93	63.9 122.6	34.39 S 53.84 E
4400.00	0.43	121.65	S 58 21 E	0.13	4398.93	64.8 122.5	34.82 S 54.61 E



EOG Resources

Location: McVay # 7, Eddy County, New Mexico

Job Number: MD0803GW246

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet
4500.00	0.94	119.03	S 60 58 E	0.49	4498.92	66.0	122.5	35.43 S 55.66 E
4600.00	1.48	114.73	S 65 16 E	0.55	4598.90	68.1	122.3	36.37 S 57.56 E
4700.00	1.71	116.15	S 63 51 E	0.23	4698.86	70.8	122.0	37.56 S 60.07 E
4800.00	2.32	115.56	S 64 26 E	0.62	4798.80	74.3	121.7	39.09 S 63.23 E
4900.00	2.73	116.78	S 63 13 E	0.41	4898.70	78.7	121.4	41.04 S 67.19 E
5000.00	2.73	120.72	S 59 17 E	0.19	4998.58	83.5	121.3	43.33 S 71.36 E
5100.00	2.55	123.21	S 56 47 E	0.21	5098.48	88.1	121.3	45.76 S 75.26 E
5200.00	2.25	120.16	S 59 50 E	0.32	5198.39	92.3	121.3	47.97 S 78.82 E
5300.00	1.85	121.68	S 58 19 E	0.40	5298.33	95.8	121.3	49.80 S 81.89 E
5400.00	1.96	121.54	S 58 28 E	0.11	5398.27	99.2	121.3	51.55 S 84.73 E
5500.00	1.87	121.04	S 58 57 E	0.09	5498.22	102.5	121.3	53.28 S 87.59 E
5600.00	1.85	119.35	S 60 39 E	0.06	5598.16	105.8	121.3	54.92 S 90.39 E
5700.00	1.73	118.46	S 61 33 E	0.12	5698.11	108.9	121.2	56.42 S 93.12 E
5800.00	1.66	120.99	S 59 1 E	0.10	5798.07	111.8	121.2	57.89 S 95.69 E
5900.00	1.72	121.93	S 58 4 E	0.07	5898.03	114.8	121.2	59.43 S 98.20 E
6000.00	1.67	122.03	S 57 58 E	0.05	5997.98	117.7	121.2	60.99 S 100.71 E
6100.00	1.62	119.45	S 60 33 E	0.09	6097.94	120.6	121.2	62.46 S 103.18 E
6200.00	1.43	118.72	S 61 17 E	0.19	6197.91	123.3	121.1	63.75 S 105.50 E
6300.00	1.37	122.44	S 57 33 E	0.11	6297.88	125.7	121.1	64.99 S 107.60 E
6400.00	1.41	121.39	S 58 36 E	0.05	6397.85	128.1	121.1	66.27 S 109.66 E
6500.00	1.31	122.81	S 57 11 E	0.11	6497.82	130.5	121.2	67.53 S 111.67 E
6600.00	1.32	118.38	S 61 37 E	0.10	6597.79	132.8	121.2	68.70 S 113.64 E
6700.00	1.30	119.49	S 60 31 E	0.03	6697.77	135.1	121.1	69.81 S 115.65 E
6800.00	1.29	118.65	S 61 21 E	0.02	6797.74	137.3	121.1	70.91 S 117.63 E

A Gyrodata Directional Survey

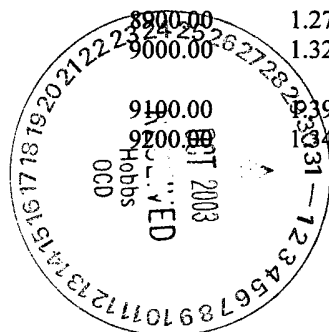
EOG Resources

Well: R.H.N.U. # 902, 5-1/2" Casing

Location: McVay # 7, Eddy County, New Mexico

Job Number: MD0803GW246

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6900.00	1.20	118.38	S 61 37 E	0.10	6897.72	139.5 121.0	71.95 S 119.53 E
7000.00	1.01	120.38	S 59 37 E	0.19	6997.70	141.4 121.0	72.89 S 121.21 E
7100.00	0.92	118.12	S 61 53 E	0.09	7097.68	143.1 121.0	73.71 S 122.68 E
7200.00	0.89	119.30	S 60 42 E	0.04	7197.67	144.7 121.0	74.47 S 124.06 E
7300.00	0.79	119.41	S 60 35 E	0.09	7297.66	146.2 121.0	75.19 S 125.35 E
7400.00	0.77	132.43	S 47 34 E	0.18	7397.65	147.5 121.0	75.98 S 126.45 E
7500.00	0.75	128.01	S 51 59 E	0.06	7497.64	148.8 121.1	76.84 S 127.45 E
7600.00	0.78	141.77	S 38 14 E	0.18	7597.63	150.1 121.2	77.77 S 128.39 E
7700.00	0.85	148.84	S 31 9 E	0.12	7697.62	151.4 121.4	78.94 S 129.19 E
7800.00	0.88	151.76	S 28 14 E	0.06	7797.61	152.7 121.7	80.25 S 129.94 E
7900.00	1.10	158.42	S 21 35 E	0.24	7897.60	154.2 122.1	81.82 S 130.65 E
8000.00	0.90	157.77	S 22 14 E	0.19	7997.58	155.6 122.4	83.44 S 131.30 E
8100.00	1.03	157.79	S 22 12 E	0.13	8097.57	157.0 122.8	85.00 S 131.94 E
8200.00	1.17	164.17	S 15 50 E	0.19	8197.55	158.5 123.2	86.82 S 132.56 E
8300.00	1.24	166.04	S 13 58 E	0.08	8297.53	160.0 123.7	88.86 S 133.10 E
8400.00	1.25	167.09	S 12 55 E	0.03	8397.50	161.6 124.3	90.98 S 133.61 E
8500.00	1.28	172.62	S 7 23 E	0.13	8497.48	163.2 124.8	93.15 S 134.00 E
8600.00	1.28	175.40	S 4 36 E	0.06	8597.45	164.7 125.4	95.38 S 134.23 E
8700.00	1.43	170.84	S 9 10 E	0.18	8697.43	166.3 126.0	97.72 S 134.52 E
8800.00	1.31	180.03	S 0 2 W	0.25	8797.40	167.8 126.6	100.10 S 134.72 E
8900.00	1.27	177.23	S 2 46 E	0.07	8897.37	169.2 127.2	102.35 S 134.77 E
9000.00	1.32	176.02	S 3 59 E	0.06	8997.35	170.7 127.8	104.61 S 134.90 E
9100.00	1.39	175.55	S 4 27 E	0.07	9097.32	172.3 128.4	106.97 S 135.08 E
9200.00	1.34	173.24	S 6 46 E	0.07	9197.29	174.0 128.9	109.35 S 135.31 E



A Gyrodata Directional Survey

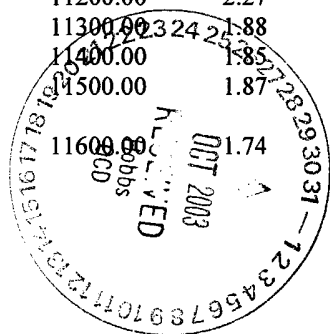
EOG Resources

Well: R.H.N.U. # 902, 5-1/2" Casing

Location: McVay # 7, Eddy County, New Mexico

Job Number: MD0803GW246

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9300.00	1.15	175.37	S 4 38 E	0.20	9297.27	175.5 129.4	111.51 S 135.53 E
9400.00	1.20	160.11	S 19 54 E	0.32	9397.25	177.1 129.9	113.50 S 135.97 E
9500.00	1.34	145.34	S 34 40 E	0.36	9497.22	179.1 130.1	115.44 S 136.99 E
9600.00	1.60	141.60	S 38 24 E	0.27	9597.19	181.6 130.3	117.50 S 138.52 E
9700.00	1.65	143.01	S 37 0 E	0.07	9697.15	184.4 130.5	119.75 S 140.26 E
9800.00	1.54	139.63	S 40 22 E	0.14	9797.11	187.2 130.7	121.92 S 142.00 E
9900.00	1.51	138.27	S 41 44 E	0.05	9897.07	189.8 130.8	123.93 S 143.74 E
10000.00	1.60	138.02	S 41 59 E	0.09	9997.04	192.5 130.9	125.95 S 145.55 E
10100.00	1.50	136.52	S 43 29 E	0.11	10097.00	195.2 131.0	127.94 S 147.39 E
10200.00	1.19	142.62	S 37 23 E	0.34	10196.97	197.5 131.1	129.72 S 148.92 E
10300.00	1.28	138.84	S 41 10 E	0.12	10296.95	199.6 131.2	131.38 S 150.29 E
10400.00	1.31	138.72	S 41 17 E	0.04	10396.92	201.9 131.2	133.08 S 151.77 E
10500.00	1.29	146.84	S 33 10 E	0.19	10496.90	204.1 131.4	134.88 S 153.15 E
10600.00	1.32	135.99	S 44 0 E	0.25	10596.87	206.3 131.5	136.65 S 154.56 E
10700.00	1.27	133.70	S 46 18 E	0.08	10696.85	208.6 131.5	138.25 S 156.16 E
10800.00	1.44	142.82	S 37 11 E	0.28	10796.82	210.9 131.6	140.01 S 157.72 E
10900.00	1.52	151.63	S 28 22 E	0.24	10896.79	213.4 131.8	142.18 S 159.11 E
11000.00	1.80	149.41	S 30 36 E	0.29	10996.74	216.1 132.0	144.70 S 160.54 E
11100.00	2.15	164.03	S 15 58 E	0.61	11096.69	219.2 132.4	147.86 S 161.86 E
11200.00	2.27	177.66	S 2 21 E	0.54	11196.61	222.2 133.0	151.64 S 162.46 E
11300.00	2.24	179.48	S 0 31 E	0.40	11296.55	224.8 133.7	155.26 S 162.55 E
11400.00	1.85	189.61	S 9 36 W	0.33	11396.49	226.8 134.3	158.49 S 162.30 E
11500.00	1.87	194.91	S 14 54 W	0.17	11496.44	228.6 135.0	161.66 S 161.61 E
11600.00	1.74	197.64	S 17 38 W	0.16	11596.39	230.1 135.7	164.69 S 160.73 E



A Gyrodata Directional Survey

EOG Resources

Well: R.H.N.U. # 902, 5-1/2" Casing

Location: McVay # 7, Eddy County, New Mexico

Job Number: MD0803GW246

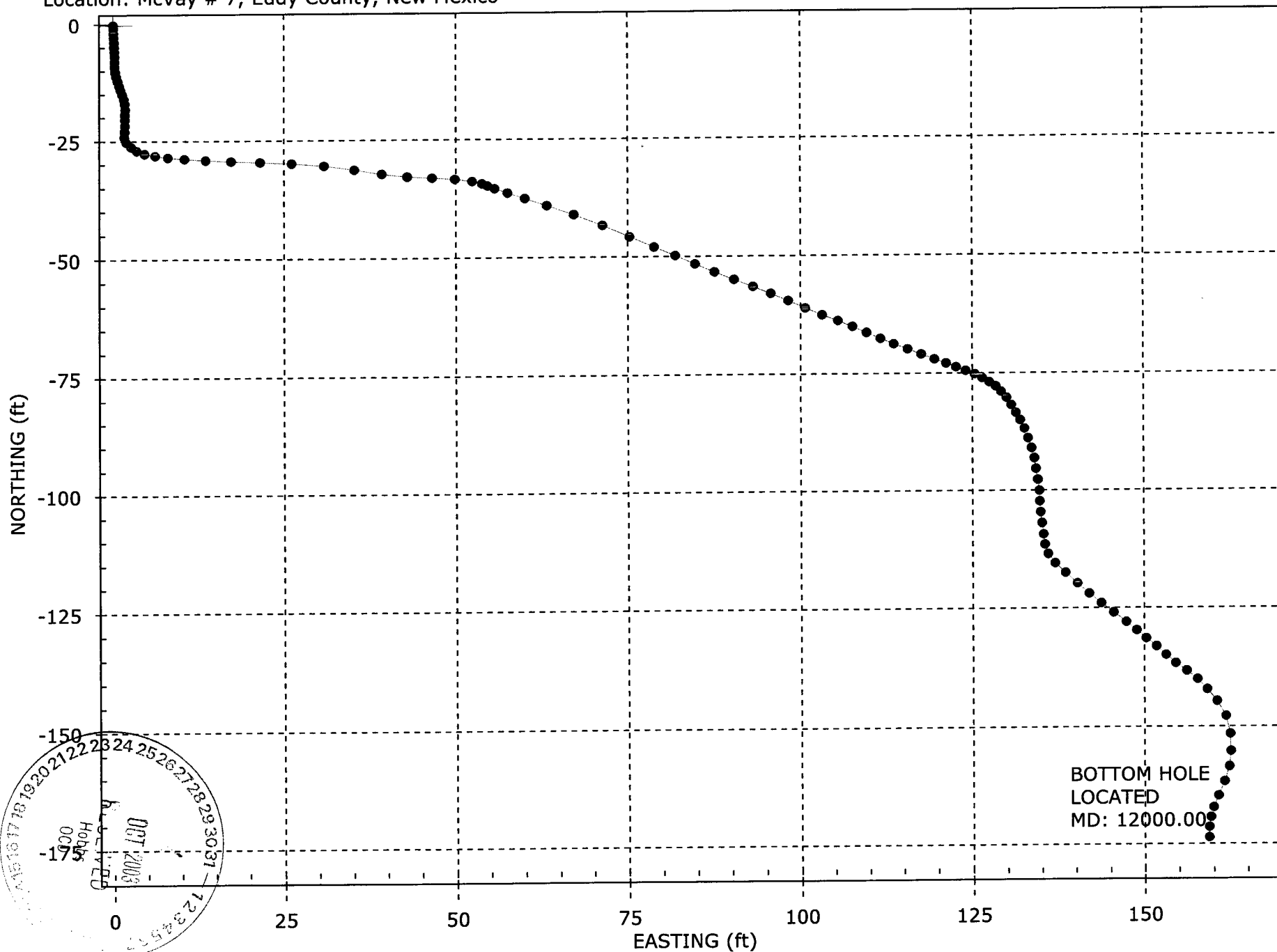
MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
11700.00	1.22	195.50	S 15 30 W	0.52	11696.36	231.4 136.3	167.16 S 159.98 E
11800.00	1.23	186.06	S 6 3 W	0.20	11796.33	232.6 136.7	169.25 S 159.58 E
11900.00	1.19	186.07	S 6 4 W	0.04	11896.31	234.0 137.1	171.36 S 159.36 E
12000.00	1.36	177.32	S 2 41 E	0.26	11996.29	235.6 137.5	173.58 S 159.31 E

Final Station Closure: Distance: 235.60 ft Az: 137.45 deg.



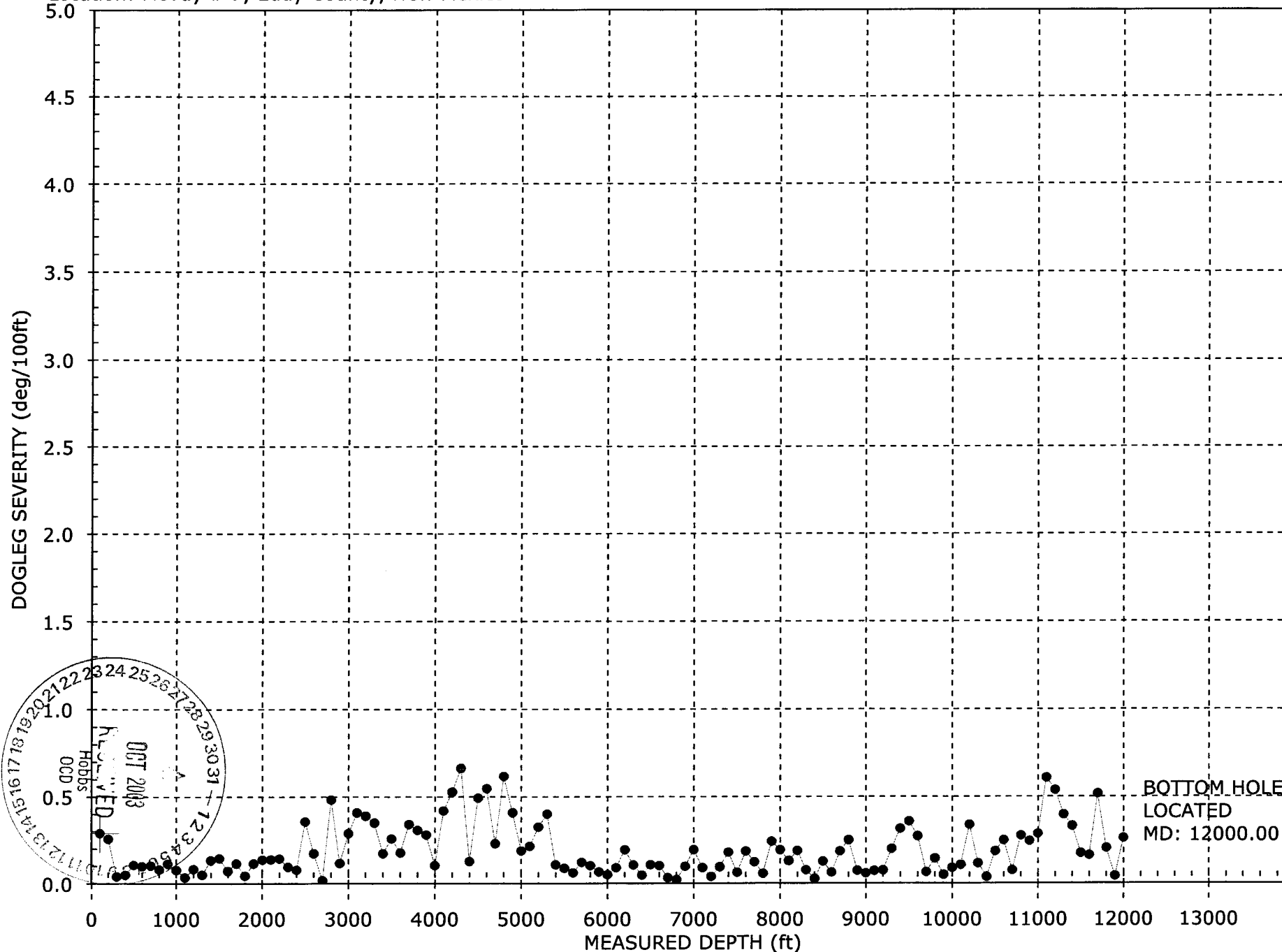
EOG Resources
Well: R.H.N.U. # 902 5-1/2" Casing
Location: McVay # 7, Eddy County, New Mexico

Inrun
Gyrodata
MD0803GW246 DEFINITIVE



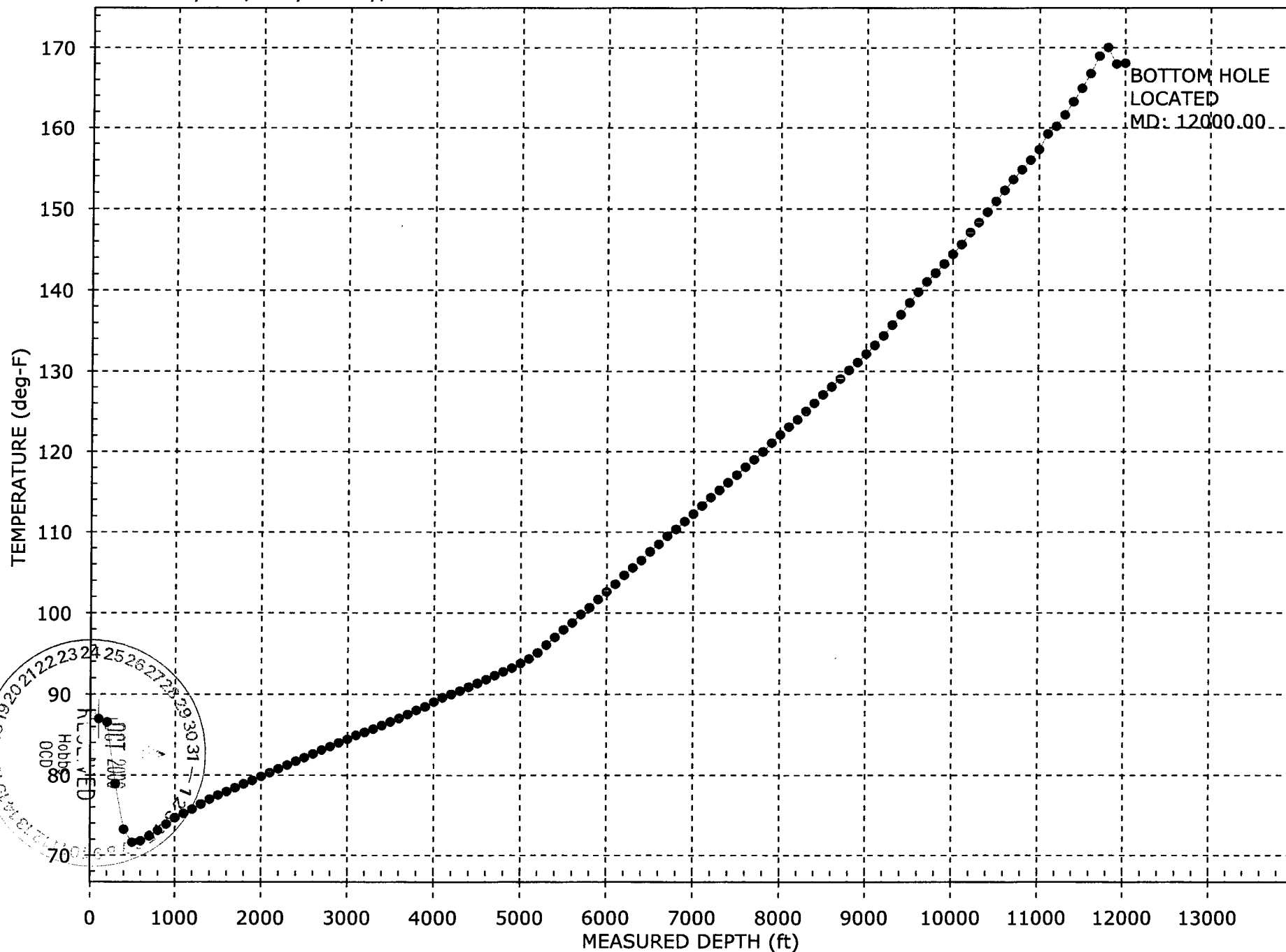
EOG Resources
Well: R.H.N.U. # 902 5-1/2" Casing
Location: McVay # 7, Eddy County, New Mexico

Inrun
Gyrodata
MD0803GW246 DEFINITIVE



EOG Resources
Well: R.H.N.U. # 902 5-1/2" Casing
Location: McVay # 7, Eddy County, New Mexico

Inrun
Gyrodata
MD0803GW246 DEFINITIVE



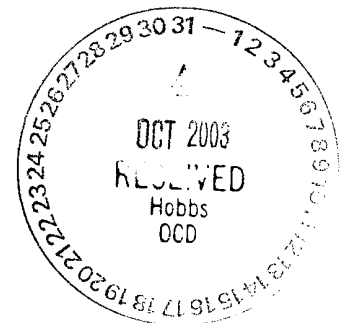
SUR: E-17-25s-34e. 1831/N & 660/W
 BHL: G-18-25s-34e, 2208/N & 2157/E
 API # 30-32989

Company: EOG Resources, Inc
 Field: Red Hills
 City/Blk/Par: Lee County, NM
 Well Name: RHNW # 982RE
 Rig: McVay Drilling # 7

Job Number: 824163
 Magnetic Decl.: 8.48
 Grid Corr.: 8.44
 Total Survey Corr.: 8.94
 Target Info:

Minimum Curvature
 Proposed Azimuth: 262.88
 Depth Reference: RKB
 Date Printed: 08/16/93

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth (ft)	TVD (ft)	VS (ft)	Coordinates		E	Closure		DLS (°/100')	Bld Rate (°/100')	Wtk Rate (°/100')
								N/S (ft)	E/W (ft)		Dist (ft)	Ang (°)			
0	GYRO	11800	1.23	188.08		11798.33	-138.85	189.22	S	159.81	E	232.62			
1	GYRO	11836	1.23	188.08	35	11831.32	-138.48	189.97	S	159.53	E	233.11	136.81	0.00	0.0
2	MWD	11902	11.00	225.80	67	11897.87	-131.19	175.17	S	154.88	E	233.82	136.52	16.05	14.6
3	MWD	11933	16.40	228.10	31	11927.98	-125.31	180.28	S	148.81	E	234.27	140.31	17.42	17.4
4	MWD	11984	19.30	222.20	31	11987.48	-117.90	187.11	S	143.01	E	235.50	142.61	10.11	9.4
5	MWD	11995	23.00	225.10	31	11988.39	-108.19	195.18	S	135.28	E	237.48	145.27	12.40	11.9
6	MWD	12028	26.50	227.50	31	12014.54	-98.73	204.13	S	125.88	E	239.82	148.34	11.74	11.3
7	MWD	12058	29.50	234.00	32	12042.80	-85.88	213.59	S	114.24	E	242.22	151.88	13.36	9.4
8	MWD	12090	33.20	238.50	32	12070.13	-71.00	222.67	S	100.31	E	244.22	155.75	14.81	11.8
9	MWD	12118	35.30	241.50	28	12083.27	-56.40	230.42	S	88.59	E	246.18	159.40	8.51	7.5
10	MWD	12152	38.70	244.20	34	12120.24	-35.93	239.84	S	68.17	E	249.34	164.13	13.81	12.9
11	MWD	12183	42.50	246.70	31	12143.60	-17.48	248.30	S	48.84	E	253.21	168.70	10.47	9.0
12	MWD	12216	45.90	249.90	33	12187.28	4.82	258.78	S	28.26	E	258.33	173.72	12.32	10.3
13	MWD	12248	48.80	251.60	30	12187.58	28.41	264.05	S	7.43	E	264.15	178.39	10.53	9.7
14	MWD	12278	52.90	253.10	32	12207.78	50.82	271.58	S	16.21	W	272.04	183.42	13.32	12.8
15	MWD	12308	57.20	254.00	28	12223.82	73.48	278.05	S	38.22	W	280.67	187.83	15.58	15.4
16	MWD	12341	64.30	255.50	35	12240.91	103.71	286.07	S	67.67	W	293.98	193.31	20.63	20.3
17	MWD	12372	71.70	255.50	31	12252.51	132.21	293.26	S	95.47	W	308.41	198.03	23.87	23.9
18	MWD	12401	74.10	257.00	29	12261.04	159.75	299.84	S	122.39	W	323.88	202.21	9.84	8.3
19	MWD	12428	77.10	258.10	25	12267.28	183.82	305.48	S	145.94	W	338.55	205.54	12.50	12.0
20	MWD	12435	78.10	258.40	9	12289.19	192.55	307.57	S	154.48	W	344.18	206.67	11.58	11.1
21	MWD	12467	82.80	257.70	32	12274.55	223.85	314.83	S	185.22	W	365.10	210.48	14.82	14.1
22	MWD	12498	87.60	258.80	31	12277.20	254.73	320.89	S	215.45	W	388.51	213.88	16.58	16.1
23	MWD	12529	88.50	261.40	31	12278.25	285.68	325.19	S	245.97	W	408.54	217.02	8.57	2.9
24	MWD	12560	88.70	263.80	31	12279.01	316.67	330.24	S	276.70	W	430.83	219.98	7.12	0.6
25	MWD	12591	90.30	265.70	31	12279.28	347.65	333.13	S	307.68	W	453.39	222.71	8.52	5.2
26	MWD	12623	92.80	267.70	32	12278.42	379.55	334.97	S	339.49	W	478.92	225.38	10.00	7.8
27	MWD	12655	93.10	267.80	32	12276.77	411.38	336.22	S	371.42	W	501.00	227.85	0.99	0.9
28	MWD	12682	92.80	268.10	27	12275.43	438.24	337.19	S	398.37	W	521.91	229.78	2.18	-1.9
29	MWD	12718	91.80	268.80	38	12274.01	474.03	338.22	S	434.33	W	550.49	232.09	2.39	-1.9
30	MWD	12745	90.80	268.80	27	12273.43	500.88	338.88	S	461.31	W	572.41	233.70	4.81	-4.8



Company: EOG Resources, Inc
 Field: Red Hills
 Cty/Blk/Par: Lea County, NM
 Well Name: RUWU # 002RE
 Rig: McVay Drilling # 7

Job Number: 034163
 Magnetic Decl.: 8.48
 Grid Corr.: 8.44
 Total Survey Corr.: 8.04
 Target Info:

Minimum Curvature
 Proposed Azimuth: 282.68
 Depth Reference: RKB
 Date Printed: 08/10/03

No.	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)					
31	MWD	12781	90.70	268.50	36	12273.02	536.88	339.79	S 497.30 W	602.30	235.66	0.38	0.3	-0.3
32	MWD	12812	90.60	268.50	31	12272.67	567.52	340.60	S 528.29 W	628.57	237.19	0.32	-0.3	0.0
33	MWD	12843	90.50	268.50	31	12272.37	598.36	341.41	S 559.26 W	655.25	238.60	0.32	-0.3	0.0
34	MWD	12873	90.00	269.50	30	12272.24	628.17	341.94	S 589.27 W	681.29	239.87	3.73	-1.7	3.3
35	MWD	12907	90.10	269.70	34	12272.21	661.82	342.18	S 623.27 W	711.02	241.23	0.66	0.3	0.6
36	MWD	12936	89.90	269.90	29	12272.21	690.70	342.28	S 652.27 W	736.62	242.31	0.98	-0.7	0.7
37	MWD	12970	91.50	271.40	34	12271.79	724.36	341.89	S 686.28 W	766.71	243.52	6.45	4.7	4.4
38	MWD	13000	91.30	271.40	30	12271.08	754.00	341.16	S 716.24 W	793.34	244.53	0.67	-0.7	0.0
39	MWD	13032	91.90	272.40	32	12270.17	785.57	340.10	S 748.21 W	821.88	245.56	3.64	1.9	3.1
40	MWD	13064	91.80	272.30	32	12269.13	817.10	338.79	S 780.17 W	850.55	246.53	0.44	-0.3	-0.3
41	MWD	13096	91.80	272.10	34	12268.12	850.61	337.48	S 814.13 W	881.31	247.48	0.83	-0.6	-0.6
42	MWD	13128	91.50	271.90	30	12267.31	880.21	336.44	S 844.10 W	906.68	248.27	0.75	-0.3	-0.7
43	MWD	13158	91.30	272.20	30	12266.56	909.79	335.36	S 874.07 W	936.20	249.01	1.20	-0.7	1.0
44	MWD	13189	91.10	272.20	31	12265.83	940.36	334.17	S 905.04 W	964.77	249.73	0.85	-0.6	0.0
45	MWD	13220	90.80	272.20	31	12265.42	970.92	332.88	S 936.02 W	993.48	250.42	0.97	-1.0	0.0
46	MWD	13252	90.90	272.40	32	12264.94	1002.47	331.70	S 967.99 W	1023.24	251.08	0.70	0.3	0.6
47	MWD	13284	90.70	272.30	32	12264.49	1034.01	330.38	S 999.96 W	1053.12	251.72	0.70	-0.6	-0.3
48	MWD	13313	91.70	272.50	29	12263.89	1062.58	329.17	S 1028.82 W	1080.30	252.26	3.52	3.4	0.7
49	MWD	13347	91.70	272.60	34	12262.88	1096.06	327.88	S 1062.88 W	1112.23	252.87	0.29	0.0	0.3
50	MWD	13377	91.70	272.70	30	12261.99	1126.59	326.27	S 1092.63 W	1140.50	253.38	0.33	0.0	0.3
51	MWD	13410	91.50	272.30	33	12261.07	1156.09	324.84	S 1125.79 W	1171.71	253.90	1.35	-0.6	-1.2
52	MWD	13442	91.50	271.50	32	12260.23	1186.68	323.78	S 1157.76 W	1202.18	254.38	2.50	0.0	-2.3
53	MWD	13473	91.10	271.60	31	12259.53	1220.28	322.94	S 1188.74 W	1231.82	254.80	1.33	-1.3	0.3
54	MWD	13504	91.30	272.10	31	12258.88	1250.88	321.94	S 1219.71 W	1261.49	255.21	1.74	0.6	1.6
55	MWD	13535	91.00	271.40	31	12258.25	1281.46	320.98	S 1250.69 W	1291.23	255.61	2.46	-1.0	-2.3
56	MWD	13565	91.10	271.80	30	12257.71	1311.11	320.15	S 1280.68 W	1320.09	255.96	1.37	0.3	1.3
57	MWD	13599	91.00	271.50	34	12257.08	1344.69	319.17	S 1314.66 W	1352.85	256.35	0.83	-0.3	-0.9
58	MWD	13628	91.00	271.80	29	12256.58	1373.33	318.34	S 1348.64 W	1380.84	256.67	1.03	0.0	1.0
59	MWD	13693	91.30	270.90	65	12255.27	1437.96	316.81	S 1408.61 W	1443.80	257.32	1.46	0.5	-1.4
60	MWD	13725	91.50	271.20	32	12254.49	1469.21	316.22	S 1440.59 W	1474.89	257.62	1.13	0.6	0.9
61	MWD	13757	91.20	270.10	32	12253.74	1500.69	315.86	S 1472.58 W	1508.08	257.89	3.66	-0.9	-3.4
62	MWD	13820	90.80	269.60	63	12252.64	1563.38	316.02	S 1535.57 W	1567.75	258.37	1.02	-0.6	-0.6
63	MWD	13866	90.70	269.40	38	12252.16	1599.12	316.34	S 1571.57 W	1603.09	258.62	0.62	-0.3	-0.6
64	MWD	13881	90.80	269.40	25	12251.84	1623.95	316.80	S 1598.56 W	1627.65	258.78	0.40	0.4	0.0



Company: EOG Resources, Inc
 Field: Red Hills
 Cty/Blk/Par: Lea County, NM
 Well Name: RHNU # 902RE
 Rig: McVay Drilling # 7

Job Number: 624163
 Magnetic Decl.: 8.48
 Grid Corr.: 8.44
 Total Survey Corr.: 8.04
 Target Info:

Minimum Curvature
 Proposed Azimuth: 282.86
 Depth Reference: RKB
 Date Printed: 09/16/03

No.	Tool Type	Survey Depth (ft)	Incl (°)	Azimuth (°)	Course Lgth(ft)	TVD (ft)	VS (ft)	Coordinates		Closure		DLS (°/100')	Sld Rate (°/100')	Wlk Rate (°/100')
								N/S (ft)	E/W (ft)	Dist (ft)	Ang (°)			
64	MWD	13681	90.80	269.40	25	12251.84	1823.95	316.80	1598.58	1827.65	258.78	0.40	0.4	0.0
65	MWD	13948	90.70	268.50	65	12250.99	1868.55	317.79	1691.55	1891.66	259.17	1.39	-0.2	-1.4
66	MWD	13977	90.20	267.80	31	12250.74	1719.41	318.79	1692.53	1722.29	259.33	2.77	-1.8	-2.3
67	MWD	14008	90.20	267.90	31	12250.64	1750.28	318.95	1723.51	1752.95	259.48	0.32	0.0	0.3
68	MWD	14040	89.80	267.70	32	12250.64	1782.15	321.18	1755.49	1784.82	259.63	1.40	-1.3	-0.6
69	MWD	14071	89.80	267.70	31	12250.74	1813.03	322.43	1786.46	1815.32	259.77	0.00	0.0	0.0
70	MWD	14134	89.60	267.30	63	12251.07	1875.80	325.17	1849.40	1877.77	260.03	0.71	-0.3	-0.6
71	MWD	14188	89.30	267.10	54	12251.59	1929.63	327.81	1903.33	1931.35	260.23	0.67	-0.8	-0.4
72	MWD	14197	89.10	267.10	9	12251.72	1938.60	328.27	1912.32	1940.29	260.28	2.22	-2.2	0.0
73	MWD	14228	89.20	267.10	31	12252.18	1969.50	329.84	1943.28	1971.07	260.37	0.32	0.3	0.0
74	MWD	14260	88.90	267.40	32	12252.71	2001.40	331.37	1975.23	2002.84	260.48	1.33	-0.9	0.9
75	MWD	14291	88.80	267.30	31	12253.38	2032.28	332.80	2006.19	2033.61	260.58	1.02	-1.0	-0.3
76	MWD	14320	88.80	267.50	29	12254.09	2061.18	334.12	2035.15	2062.40	260.68	0.69	0.0	0.7
77	MWD	14354	88.90	267.10	34	12254.83	2095.08	335.72	2069.11	2096.17	260.78	1.47	0.9	-1.2
78	MWD	14385	89.20	268.00	31	12255.35	2125.94	337.04	2100.08	2128.95	260.88	3.08	1.0	2.9
79	MWD	14417	88.90	268.90	32	12255.88	2157.74	337.83	2132.08	2158.83	261.00	6.01	-0.9	3.9
80	MWD	14449	88.80	267.90	32	12256.58	2189.54	338.25	2164.05	2190.32	261.12	6.32	-0.9	-6.3
81	MWD	14481	89.20	267.90	32	12257.19	2221.40	339.42	2198.02	2222.10	261.21	1.87	1.9	0.0
82	MWD	14512	89.00	268.00	31	12257.68	2252.28	340.53	2227.00	2252.88	261.31	0.72	-0.6	0.3
83	MWD	14543	89.80	267.80	31	12258.00	2283.13	341.68	2257.98	2283.68	261.40	2.66	2.6	-0.6
84	MWD	14575	89.30	267.30	32	12258.25	2315.01	343.03	2289.94	2315.49	261.49	2.21	-1.6	-1.6
85	MWD	14606	89.20	267.80	31	12258.66	2346.80	344.38	2320.91	2346.32	261.58	1.84	-0.3	1.6
86	MWD	14636	89.60	267.70	32	12259.00	2377.77	345.81	2352.89	2378.13	261.64	1.29	1.2	-0.3
87	MWD	14669	89.80	267.50	31	12259.16	2408.65	346.91	2383.86	2408.97	261.72	0.91	0.6	-0.6
88	MWD	14701	90.00	267.40	32	12259.21	2440.54	348.33	2415.83	2440.81	261.80	0.70	0.6	-0.3
89	MWD	14732	90.30	267.00	31	12259.13	2471.44	349.85	2446.79	2471.88	261.88	1.61	1.0	-1.3
90	MWD	14769	91.20	266.60	37	12258.65	2508.34	351.91	2483.73	2508.54	261.94	2.66	2.4	-1.1
91	MWD	14795	91.80	265.80	28	12257.94	2534.28	353.64	2509.86	2534.46	261.98	4.09	2.7	-3.1
92	MWD	14827	92.50	266.00	32	12258.72	2568.21	355.92	2541.58	2568.36	262.03	1.96	1.9	0.6
93	MWD	14858	92.80	265.60	31	12255.28	2597.13	358.19	2572.44	2597.26	262.07	1.81	1.0	-1.3
94	MWD	14888	93.00	265.60	30	12253.76	2627.05	360.49	2602.31	2627.16	262.11	0.87	0.7	0.0
95	MWD	14953	92.20	265.50	65	12250.82	2691.90	365.53	2687.06	2691.98	262.20	1.24	-1.2	-0.2
96	MWD	15018	92.10	265.50	65	12248.38	2768.77	370.62	2731.80	2758.83	262.27	0.15	-0.2	0.0
97	MWD	15039	92.20	265.60	21	12247.59	2777.73	372.25	2752.73	2777.78	262.30	0.67	0.5	0.5
98	BIT	15104	92.50	265.60	65	12244.82	2842.59	377.23	2817.48	2842.82	262.37	0.46	0.5	0.0

