

A Gyrodata Directional Survey

Field Copy Only, not definitive

for

EOG RESOURCES

Location: JW #3, EDDY, Lease: YELLOW A7 FEE Well: 1-H,

Job Number: MD0106E_123

Run Date: 30 Jan 2006

Surveyor: JAMES ANDERSON
KEVIN WILLARD

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.943333 deg. N Longitude: 104.518889 deg. W

Azimuth Correction:

Total Magnetic: 8.80000 deg East to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

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MEASURED DEPTH	INCL	AZIMUTH	DOGLEG SEVERITY	VERTICAL DEPTH	CLOSURE DIST.	AZIMUTH	HORIZONTAL COORDINATES
feet	deg.	deg.	deg/ 100 ft.	feet	feet	deg.	feet

1008.85 FT - 5141 FT ELECTRONIC MAGNETIC MULTISHOT SURVEY RUN INSIDE 4 1/2" DP
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO JW #3 R.K.B. 18.15 FT FROM GL

900.00	0.00	0.00	0.00	900.00	0.0	0.0	0.00 N	0.00 E
1008.85	0.81	161.83	0.75	1008.85	0.8	161.8	0.74 S	0.24 E
1104.11	0.63	312.09	1.47	1104.10	1.0	176.5	1.03 S	0.06 E
1199.44	0.72	300.70	0.17	1199.43	0.9	246.4	0.37 S	0.84W
1294.48	0.89	296.92	0.19	1294.46	2.0	277.6	0.27 N	2.01W
1389.77	0.46	324.78	0.55	1389.74	3.0	287.6	0.92 N	2.89W
1485.07	0.89	304.68	0.51	1485.03	4.1	294.0	1.66 N	3.72W
1580.47	0.70	283.05	0.37	1580.43	5.4	294.3	2.21 N	4.90W
1675.82	0.55	331.04	0.55	1675.77	6.3	295.7	2.74 N	5.68W
1771.12	0.72	289.41	0.50	1771.06	7.3	297.3	3.34 N	6.47W
1866.38	0.70	320.27	0.40	1866.32	8.4	298.3	3.99 N	7.41W
1961.64	0.21	356.33	0.57	1961.57	9.1	300.6	4.61 N	7.79W
2056.95	0.15	308.32	0.17	2056.88	9.3	301.6	4.87 N	7.90W

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feet	deg.	deg.	deg./ 100 ft.	feet	feet	deg.	feet	
2114.70	0.29	322.53	0.26	2114.63	9.5	302.0	5.03 N	8.05W
2152.26	0.30	156.34	1.57	2152.19	9.5	301.9	5.02 N	8.06W
2247.56	0.36	161.34	0.06	2247.49	9.1	299.8	4.50 N	7.87W
2342.85	0.39	250.77	0.55	2342.78	9.1	297.0	4.12 N	8.08W
2438.15	0.44	286.39	0.27	2438.08	9.7	295.2	4.11 N	8.74W
2533.51	0.09	251.14	0.39	2533.44	10.1	294.6	4.19 N	9.17W
2628.86	0.45	240.69	0.38	2628.79	10.4	292.7	3.99 N	9.56W
2724.12	0.25	151.19	0.54	2724.04	10.4	290.3	3.62 N	9.78W
2819.41	0.43	219.66	0.43	2819.33	10.4	287.7	3.17 N	9.90W
3009.96	0.31	129.71	0.28	3009.88	10.2	282.9	2.29 N	9.95W
3105.31	0.35	150.49	0.13	3105.23	9.8	281.0	1.87 N	9.61W
3200.67	0.45	136.65	0.15	3200.59	9.3	278.3	1.34 N	9.21W
3296.01	0.47	162.03	0.21	3295.92	8.9	274.5	0.70 N	8.83W
3391.31	0.87	109.59	0.73	3391.22	8.0	270.6	0.08 N	8.03W
3486.61	0.90	127.03	0.28	3486.51	6.8	264.8	0.61 S	6.75W
3581.96	1.27	120.85	0.40	3581.84	5.5	253.0	1.60 S	5.24W
3677.30	1.46	110.64	0.33	3677.15	4.1	231.2	2.57 S	3.20W
3772.55	1.82	123.66	0.54	3772.36	3.9	191.8	3.84 S	0.80W

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MEASURED DEPTH	INCL deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
3867.89	2.38	128.25	0.61	3867.64	6.2 161.1	5.91 S 2.02 E
3963.18	2.38	120.33	0.35	3962.85	9.7 147.0	8.14 S 5.29 E
4058.51	2.63	118.07	0.27	4058.09	13.5 138.7	10.17 S 8.93 E
4153.81	2.69	109.16	0.44	4153.28	17.6 132.6	11.93 S 12.96 E
4249.10	3.02	108.80	0.35	4248.46	22.0 127.7	13.47 S 17.44 E
4344.37	3.41	106.06	0.45	4343.58	27.1 123.7	15.06 S 22.54 E
4439.67	3.26	111.20	0.35	4438.71	32.5 121.2	16.82 S 27.79 E
4535.02	2.70	113.94	0.60	4533.93	37.4 120.0	18.71 S 32.37 E
4630.32	2.53	114.47	0.18	4629.14	41.7 119.4	20.49 S 36.33 E
4725.70	2.57	114.10	0.04	4724.42	45.9 119.0	22.24 S 40.19 E
4820.97	2.24	114.05	0.34	4819.61	49.9 118.6	23.87 S 43.84 E
4916.31	1.42	114.87	0.86	4914.90	53.0 118.3	25.13 S 46.62 E
5011.63	1.08	114.54	0.36	5010.20	55.0 118.2	26.00 S 48.51 E
5107.00	0.81	138.93	0.50	5105.55	56.6 118.4	26.88 S 49.78 E
5141.00	1.03	139.61	0.62	5139.55	57.1 118.6	27.30 S 50.13 E

Final Station Closure: Distance: 57.08 ft Az: 118.57 deg.

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