

A Gyrodata Directional Survey

for

BILL BARRETT

Lease: Scott Well: 2-36, 2-3/8" Tubing

Location: Halliburton Slickline, Garfield County, Colorado

Job Number: RM0904G_336

Run Date: 29 Sep 2004

Surveyor: Dave Houle; Joel Sulzen

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 39.488056 deg. N Longitude: 107.614167 deg. W

Azimuth Correction:

Gyro: Bearings are Relative to True 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 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
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 - 5300 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 2-3/8" TUBING							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO WELL HEAD							

100.00	0.53	338.71	N 21 17 W	0.53	100.00	0.5 338.7	0.43 N 0.17 W
200.00	0.31	342.64	N 17 22 W	0.22	200.00	1.2 339.6	1.11 N 0.41 W
300.00	0.52	306.28	N 53 43 W	0.33	299.99	1.9 332.3	1.64 N 0.86 W
400.00	0.32	304.81	N 55 12 W	0.21	399.99	2.5 324.8	2.07 N 1.46 W
500.00	0.63	260.12	S 80 7 W	0.46	499.99	3.1 313.8	2.13 N 2.22 W
600.00	0.84	240.31	S 60 18 W	0.33	599.98	3.8 296.3	1.68 N 3.40 W
700.00	1.27	238.08	S 58 5 W	0.44	699.96	5.0 278.3	0.73 N 4.98 W
800.00	1.19	236.70	S 56 42 W	0.09	799.94	6.8 266.4	0.43 S 6.79 W
900.00	1.55	233.14	S 53 9 W	0.37	899.91	8.9 258.3	1.81 S 8.74 W
1000.00	1.40	222.19	S 42 12 W	0.32	999.88	11.2 251.6	3.53 S 10.65 W
1100.00	1.71	223.28	S 43 17 W	0.31	1099.84	13.7 246.1	5.53 S 12.49 W
1200.00	1.79	216.59	S 36 35 W	0.22	1199.79	16.5 241.4	7.87 S 14.45 W
1300.00	2.08	206.95	S 26 57 W	0.43	1299.74	19.4 236.5	10.74 S 16.20 W
1400.00	2.32	199.47	S 19 28 W	0.38	1399.66	22.7 231.1	14.27 S 17.70 W
1500.00	2.64	196.36	S 16 22 W	0.34	1499.57	26.5 226.0	18.38 S 19.02 W
1600.00	3.00	198.74	S 18 44 W	0.38	1599.45	30.9 221.6	23.07 S 20.51 W
1700.00	3.36	193.81	S 13 49 W	0.45	1699.29	36.0 217.8	28.40 S 22.05 W
1800.00	3.59	193.30	S 13 18 W	0.23	1799.11	41.6 214.4	34.29 S 23.47 W
1900.00	4.16	197.18	S 17 11 W	0.63	1898.88	48.0 211.8	40.81 S 25.27 W

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2000.00	4.49	193.10	S 13 6 W	0.45	1998.60	55.3 209.5	48.09 S 27.23 W
2100.00	4.66	192.20	S 12 12 W	0.18	2098.28	62.9 207.4	55.87 S 28.97 W
2200.00	4.76	191.22	S 11 13 W	0.13	2197.94	70.9 205.6	63.91 S 30.64 W
2300.00	4.52	188.16	S 8 9 W	0.34	2297.61	78.7 204.0	71.89 S 32.00 W
2400.00	4.17	190.33	S 10 20 W	0.39	2397.32	86.0 202.7	79.37 S 33.22 W
2500.00	4.09	185.09	S 5 6 W	0.39	2497.06	93.0 201.6	86.50 S 34.18 W
2600.00	3.51	180.91	S 0 55 W	0.64	2596.84	99.3 200.4	93.11 S 34.55 W
2700.00	3.52	181.50	S 1 30 W	0.04	2696.66	105.1 199.3	99.23 S 34.68 W
2800.00	3.45	180.53	S 0 32 W	0.09	2796.47	110.9 198.3	105.30 S 34.79 W
2900.00	2.57	165.55	S 14 27 E	1.17	2896.33	115.7 197.2	110.48 S 34.25 W
3000.00	2.84	168.44	S 11 34 E	0.30	2996.22	119.8 196.1	115.08 S 33.20 W
3100.00	2.92	152.66	S 27 20 E	0.79	3096.10	123.8 194.8	119.76 S 31.53 W
3200.00	2.90	144.24	S 35 45 E	0.43	3195.97	127.4 193.1	124.08 S 28.89 W
3300.00	3.19	146.87	S 33 8 E	0.32	3295.83	131.0 191.4	128.45 S 25.89 W
3400.00	2.99	141.44	S 38 33 E	0.35	3395.68	134.8 189.7	132.82 S 22.75 W
3500.00	2.95	140.30	S 39 42 E	0.07	3495.55	138.2 188.1	136.84 S 19.48 W
3600.00	3.04	140.53	S 39 28 E	0.09	3595.41	141.8 186.5	140.87 S 16.15 W
3700.00	3.14	141.19	S 38 49 E	0.10	3695.27	145.6 185.0	145.05 S 12.75 W
3800.00	3.25	142.04	S 37 58 E	0.12	3795.11	149.7 183.6	149.41 S 9.29 W
3900.00	3.30	141.77	S 38 14 E	0.05	3894.95	154.0 182.1	153.91 S 5.76 W
4000.00	3.39	141.81	S 38 12 E	0.08	3994.78	158.5 180.8	158.50 S 2.15 W
4100.00	3.30	152.01	S 27 59 E	0.60	4094.61	163.4 179.6	163.36 S 1.03 E
4200.00	3.52	153.42	S 26 35 E	0.24	4194.43	168.7 178.7	168.65 S 3.75 E

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4300.00	3.60	151.25	S 28 45 E	0.16	4294.24	174.3 177.8	174.16 S 6.64 E
4400.00	3.18	147.55	S 32 27 E	0.47	4394.06	179.5 176.9	179.25 S 9.64 E
4500.00	3.34	141.60	S 38 24 E	0.37	4493.90	184.3 176.0	183.88 S 12.94 E
4600.00	3.67	141.64	S 38 22 E	0.33	4593.71	189.4 174.9	188.67 S 16.74 E
4700.00	3.87	141.40	S 38 36 E	0.19	4693.50	194.9 173.9	193.82 S 20.83 E
4800.00	4.17	146.22	S 33 47 E	0.45	4793.25	201.0 172.9	199.47 S 24.95 E
4900.00	4.41	149.82	S 30 11 E	0.37	4892.97	207.8 172.0	205.82 S 28.91 E
5000.00	4.71	147.39	S 32 37 E	0.35	4992.66	215.2 171.2	212.60 S 33.05 E
5100.00	4.36	145.85	S 34 9 E	0.37	5092.34	222.4 170.3	219.20 S 37.40 E
5200.00	4.55	148.01	S 31 59 E	0.25	5192.04	229.5 169.5	225.71 S 41.63 E
5300.00	4.26	145.44	S 34 34 E	0.35	5291.75	236.6 168.8	232.13 S 45.84 E

Final Station Closure: Distance: 236.61 ft Az: 168.83 deg.