

A Gyrodata Directional Survey

for

DEVON ENERGY

Location: WEATHERFORD BOOM TRUCK, SAN JUAN COUNTY, NEW MEXICO
Lease: NEBU Well: #47M, 4-1/2" CASING

Job Number: MD0707GW240

Run Date: 7/18/2007 7:59:20 PM

Surveyor: JAMES BUTLER
AJ EATON

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 36.861040 deg. N Longitude: 107.597500 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

RCVD AUG 14 '07

OIL CONS. DIV.
DIST. 3

OK per SH
8/15/07

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MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100-ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.00	0.00	0.0 0.0	0.00 N 0.00 E

0 TO 8100 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" CASING						
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO GROUND LEVEL						

200.00	0.38	318.93	0.19	200.00	0.7 318.9	0.49 N 0.43 W
400.00	2.08	281.60	0.90	399.95	4.7 291.3	1.72 N 4.41 W
600.00	8.98	271.86	3.47	598.90	23.8 277.1	2.96 N 23.60 W
800.00	13.40	275.30	2.23	795.05	62.5 275.1	5.60 N 62.30 W
1000.00	18.46	273.87	2.54	987.31	117.4 274.8	9.88 N 116.99 W
1200.00	24.95	272.65	3.25	1173.03	191.3 274.2	13.98 N 190.79 W
1400.00	30.33	271.46	2.70	1350.15	284.0 273.5	17.22 N 283.47 W
1600.00	30.00	270.84	0.23	1523.07	384.4 272.9	19.24 N 383.94 W
1800.00	29.82	270.16	0.19	1696.43	484.1 272.4	20.10 N 483.66 W
2000.00	29.34	270.59	0.27	1870.37	582.8 272.0	20.74 N 582.39 W
2200.00	27.62	273.56	1.11	2046.17	678.1 272.0	24.13 N 677.67 W
2400.00	23.48	275.64	2.12	2226.57	764.3 272.3	30.93 N 763.64 W
2600.00	19.96	272.64	1.85	2412.34	838.2 272.5	36.42 N 837.42 W
2800.00	16.61	271.06	1.69	2602.22	900.9 272.5	38.52 N 900.11 W
3000.00	12.13	274.07	2.27	2795.92	950.5 272.4	40.54 N 949.67 W
3200.00	7.06	272.89	2.53	2993.06	983.9 272.5	42.65 N 982.93 W
3400.00	2.81	197.14	3.46	3192.42	997.4 272.2	38.58 N 996.68 W
3600.00	1.48	199.10	0.67	3392.27	999.5 271.8	31.45 N 998.97 W
3800.00	0.63	188.55	0.43	3592.24	1000.4 271.6	27.94 N 999.97 W

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MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4000.00	0.42	122.30	0.30	3792.23	999.9 271.5	26.47 N 999.51 W
4200.00	0.53	99.56	0.11	3992.23	998.3 271.5	25.92 N 997.99 W
4400.00	0.57	82.78	0.08	4192.22	996.4 271.5	25.90 N 996.09 W
4600.00	0.55	79.62	0.02	4392.21	994.5 271.5	26.20 N 994.15 W
4800.00	0.45	105.40	0.12	4592.20	992.8 271.5	26.16 N 992.46 W
5000.00	0.11	104.05	0.17	4792.20	991.9 271.5	25.91 N 991.52 W
5200.00	0.35	118.07	0.12	4992.20	991.1 271.5	25.58 N 990.80 W
5400.00	0.32	167.82	0.14	5192.19	990.5 271.4	24.74 N 990.14 W
5600.00	0.16	106.57	0.14	5392.19	990.0 271.4	24.11 N 989.76 W
5800.00	0.31	128.30	0.08	5592.19	989.3 271.4	23.70 N 989.07 W
6000.00	0.11	265.99	0.20	5792.19	989.1 271.4	23.36 N 988.83 W
6200.00	0.29	17.64	0.17	5992.19	989.2 271.4	23.82 N 988.87 W
6400.00	0.44	51.40	0.13	6192.18	988.4 271.4	24.77 N 988.12 W
6600.00	0.32	87.90	0.13	6392.18	987.3 271.5	25.27 N 986.97 W
6800.00	0.44	68.56	0.09	6592.18	986.0 271.5	25.57 N 985.70 W
7000.00	0.15	170.43	0.25	6792.17	985.3 271.5	25.59 N 984.94 W
7200.00	0.17	31.67	0.15	6992.17	985.1 271.5	25.58 N 984.75 W
7400.00	0.31	24.87	0.07	7192.17	984.7 271.5	26.32 N 984.36 W
7600.00	0.51	354.52	0.14	7392.17	984.6 271.6	27.71 N 984.22 W
7800.00	0.51	128.86	0.47	7592.16	984.0 271.6	28.03 N 983.60 W
8000.00	0.30	127.98	0.11	7792.16	982.9 271.6	27.14 N 982.49 W
8100.00	0.28	76.54	0.25	7892.16	982.4 271.6	27.04 N 982.05 W

Final Station Closure: Distance: 982.42 ft Az: 271.58 deg.