

30-045-32800
Surface 1400/N, 1/W Sec 23, 31N, 7W
BTL 1373/N, 19/E Sec 2, 31N, 7W
Tvd 3370 Md 3370
Md

NEBU #233

A Gyrodatta Directional Survey

for

DEVON ENERGY

Lease: NEBU Well: 233, 2-3/8" TUBING
Location: HURRICANE SWABBING UNIT 1, SAN JUAN COUNTY, NEW MEXICO

Job Number: MD0306G_156

Run Date: 3/22/2006 6:03:59 PM

Surveyor: HENRY DREW

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 36.888390 deg. N Longitude: 107.548740 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



HOLD C164 FOR NSL



PCVD DEC 4 06

OIL COMS. DIV

DIST. 3

A Gyrodata Directional Survey

DEVON ENERGY

Location: HURRICANE SWABBING UNIT 1, SAN JUAN COUNTY, NEW MEXICO

Lease: NEBU Well: 233, 2- 3/8" TUBING

Job Number: MDO306G_156

MEASURED DEPTH feet	INCL 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 - 3370 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 2-7/8" TUBING						
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO ORIGINAL R.K.B. OF 16.5'						
200.00	0.54	95.54	0.27	200.00	0.9 95.5	0.09 S 0.93 E
400.00	1.28	98.01	0.37	399.97	4.1 96.9	0.49 S 4.07 E
500.00	1.55	96.36	0.27	499.94	6.6 97.0	0.80 S 6.52 E
600.00	1.57	90.31	0.17	599.90	9.3 95.9	0.95 S 9.23 E
700.00	1.71	77.25	0.40	699.86	12.1 93.0	0.63 S 12.06 E
800.00	1.77	73.40	0.13	799.82	15.0 89.5	0.14 N 15.00 E
900.00	1.65	71.09	0.14	899.77	17.9 86.6	1.05 N 17.84 E
1000.00	1.54	71.72	0.11	999.73	20.6 84.6	1.94 N 20.48 E
1100.00	1.38	85.02	0.37	1099.70	23.1 83.9	2.46 N 22.95 E
1200.00	1.47	84.00	0.09	1199.67	25.6 83.9	2.70 N 25.42 E
1300.00	1.48	68.56	0.40	1299.64	28.1 83.2	3.31 N 27.90 E
1400.00	1.56	69.59	0.08	1399.60	30.7 82.0	4.26 N 30.38 E
1500.00	1.49	66.01	0.12	1499.57	33.3 80.9	5.26 N 32.84 E
1600.00	1.51	66.45	0.02	1599.53	35.8 79.8	6.31 N 35.24 E
1700.00	1.44	52.12	0.37	1699.50	38.2 78.5	7.61 N 37.44 E
1800.00	1.20	49.03	0.25	1799.47	40.3 77.0	9.07 N 39.22 E
1900.00	1.25	41.56	0.17	1899.45	42.1 75.4	10.57 N 40.73 E
2000.00	1.28	35.01	0.15	1999.43	43.9 73.7	12.31 N 42.10 E
2100.00	1.21	11.89	0.50	2099.40	45.3 71.6	14.25 N 42.96 E

A Gyrodata Directional Survey

DEVON ENERGY

Location: HURRICANE SWABBING UNIT 1, SAN JUAN COUNTY, NEW MEXICO

Lease: NEBU Well: 233, 2- 3/8" TUBING

Job Number: MDO306G_156

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
2200.00	1.07	344.04	0.56	2199.38	45.9 69.3	16.18 N 42.92 E
2300.00	1.10	336.21	0.15	2299.37	45.9 67.0	17.95 N 42.27 E
2400.00	1.08	341.55	0.10	2399.35	46.0 64.6	19.72 N 41.59 E
2500.00	1.15	340.56	0.07	2499.33	46.3 62.2	21.56 N 40.96 E
2600.00	1.26	332.21	0.21	2599.31	46.5 59.7	23.48 N 40.11 E
2700.00	0.92	323.67	0.03	2699.88	21.7 323.7	17.44 N 12.83 W
2800.00	0.84	288.08	0.54	2799.87	23.1 322.6	18.32 N 14.00 W
2900.00	0.77	300.44	0.19	2899.86	24.3 321.0	18.88 N 15.27 W
3000.00	0.71	315.03	0.20	2999.86	25.5 320.4	19.66 N 16.28 W
3100.00	0.85	342.80	0.40	3099.85	26.8 320.8	20.81 N 16.94 W
3200.00	1.61	314.97	0.95	3199.82	28.9 321.1	22.51 N 18.16 W
3300.00	2.01	342.13	0.93	3299.77	32.0 322.0	25.18 N 19.69 W
3370.00	1.49	339.67	0.75	3369.74	34.0 323.2	27.20 N 20.38 W

Final Station Closure: Distance: 33.99 ft Az: 323.15 deg.