

Amended

30-045-32800

## 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: MD0306G\_156

| MEASURED<br>DEPTH<br>feet                                                  | I N C L<br>deg. | AZIMUTH<br>deg. | DOGLEG<br>SEVERITY<br>deg./<br>100 ft. | VERTICAL<br>DEPTH<br>feet | CLOSURE<br>DIST. AZIMUTH<br>feet deg. |      | HORIZONTAL<br>COORDINATES<br>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 NSIDE 2-3/8" 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 |

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Job Number: MD0306G\_156

| MEASURED<br>DEPTH<br>feet | I N C L<br>deg. | AZIMUTH<br>deg. | DOGLEG<br>SEVERITY<br>deg./<br>100 ft. | VERTICAL<br>DEPTH<br>feet | CLOSURE<br>DIST. AZIMUTH<br>feet deg. | HORIZONTAL<br>COORDINATES<br>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          | 0.38                                   | 2699.29                   | 46.5 57.3                             | 25.10 N 39.12 E                   |
| 2800.00                   | 0.84            | 288.08          | 0.54                                   | 2799.28                   | 46.0 55.6                             | 25.98 N 37.95 E                   |
| 2900.00                   | 0.77            | 300.44          | 0.19                                   | 2899.27                   | 45.3 54.1                             | 26.54 N 36.68 E                   |
| 3000.00                   | 0.71            | 315.03          | 0.20                                   | 2999.26                   | 44.9 52.5                             | 27.32 N 35.66 E                   |
| 3100.00                   | 0.85            | 342.80          | 0.40                                   | 3099.25                   | 45.1 50.9                             | 28.47 N 35.01 E                   |
| 3200.00                   | 1.61            | 314.97          | 0.95                                   | 3199.23                   | 45.3 48.2                             | 30.17 N 33.79 E                   |
| 3300.00                   | 2.01            | 342.13          | 0.93                                   | 3299.18                   | 46.0 44.5                             | 32.84 N 32.26 E                   |
| 3370.00                   | 1.49            | 339.67          | 0.75                                   | 3369.15                   | 47.0 42.2                             | 34.86 N 31.57 E                   |

Final Station Closure: Distance: 47.03 ft Az: 42.16 deg.

PCVD JAN 29 '08  
OIL CONS. DIV.  
DIST. 3

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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: 3/23/2006 11:45:04 AM

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