

# PathFinder Energy Services

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Job No: JWT-0602-0058-WT-WT

Date: 3/8/2006

Time: 10:27 am

Wellpath ID: 06020058

Date Created: 2/28/2006

Last Revision: 3/8/2006

## Survey Report

*Calculated using the Minimum Curvature Method*

*Computed using PDS VER2.2.6*

Vertical Section Plane: 37.89 deg.

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

### EOG RESOURCES

SEELY STATE #1

JW #3

SEELY STATE #1

LEA CNTY, NEW MEXICO

06020058

| Measured<br>Depth<br>(ft) | Incl<br>(deg.) | Drift<br>Dir.<br>(deg.) | Course<br>Length<br>(ft) | Vertical<br>Section<br>(ft) | TVD<br>(ft) | T O T A L<br>Rectangular Offsets<br>(ft) (ft) |          | Build<br>Rate<br>(dg/100ft) | DLS<br>(dg/100ft) |
|---------------------------|----------------|-------------------------|--------------------------|-----------------------------|-------------|-----------------------------------------------|----------|-----------------------------|-------------------|
| GYRO TIE-IN               |                |                         |                          |                             |             |                                               |          |                             |                   |
| 5963.00                   | 1.00           | 41.53                   | 0.00                     | 49.87                       | 5962.60     | 39.22 N                                       | 30.81 E  | 0.00                        | 0.00              |
| 6021.00                   | 2.11           | 23.86                   | 58.00                    | 51.41                       | 6020.58     | 40.58 N                                       | 31.58 E  | 1.91                        | 2.06              |
| 6084.00                   | 3.87           | 21.04                   | 63.00                    | 54.58                       | 6083.49     | 43.62 N                                       | 32.81 E  | 2.79                        | 2.80              |
| 6148.00                   | 5.01           | 21.48                   | 64.00                    | 59.32                       | 6147.30     | 48.24 N                                       | 34.61 E  | 1.78                        | 1.78              |
| 6216.00                   | 5.28           | 22.45                   | 68.00                    | 65.19                       | 6215.02     | 53.89 N                                       | 36.89 E  | 0.40                        | 0.42              |
| 6278.00                   | 5.28           | 22.01                   | 62.00                    | 70.68                       | 6276.76     | 59.17 N                                       | 39.05 E  | 0.00                        | 0.07              |
| 6341.00                   | 5.01           | 21.75                   | 63.00                    | 76.11                       | 6339.51     | 64.42 N                                       | 41.16 E  | -0.43                       | 0.43              |
| 6404.00                   | 5.45           | 29.02                   | 63.00                    | 81.71                       | 6402.24     | 69.59 N                                       | 43.63 E  | 0.70                        | 1.26              |
| 6467.00                   | 5.80           | 35.99                   | 63.00                    | 87.85                       | 6464.94     | 74.78 N                                       | 46.95 E  | 0.56                        | 1.22              |
| 6529.00                   | 6.16           | 36.86                   | 62.00                    | 94.30                       | 6526.60     | 79.97 N                                       | 50.78 E  | 0.58                        | 0.60              |
| 6592.00                   | 5.63           | 40.56                   | 63.00                    | 100.77                      | 6589.27     | 85.03 N                                       | 54.82 E  | -0.84                       | 1.03              |
| 6655.00                   | 4.75           | 39.06                   | 63.00                    | 106.47                      | 6652.01     | 89.40 N                                       | 58.47 E  | -1.40                       | 1.41              |
| 6717.00                   | 4.57           | 36.69                   | 62.00                    | 111.50                      | 6713.81     | 93.37 N                                       | 61.57 E  | -0.29                       | 0.43              |
| 6780.00                   | 5.36           | 44.42                   | 63.00                    | 116.93                      | 6776.57     | 97.49 N                                       | 65.13 E  | 1.25                        | 1.64              |
| 6842.00                   | 5.72           | 46.27                   | 62.00                    | 122.87                      | 6838.28     | 101.69 N                                      | 69.39 E  | 0.58                        | 0.65              |
| 6905.00                   | 5.89           | 46.00                   | 63.00                    | 129.17                      | 6900.96     | 106.11 N                                      | 73.98 E  | 0.27                        | 0.27              |
| 6967.00                   | 5.98           | 44.51                   | 62.00                    | 135.53                      | 6962.63     | 110.62 N                                      | 78.53 E  | 0.15                        | 0.29              |
| 7030.00                   | 5.80           | 41.70                   | 63.00                    | 141.97                      | 7025.29     | 115.34 N                                      | 82.95 E  | -0.29                       | 0.54              |
| 7093.00                   | 5.98           | 38.09                   | 63.00                    | 148.43                      | 7087.96     | 120.30 N                                      | 87.09 E  | 0.29                        | 0.65              |
| 7156.00                   | 6.07           | 40.20                   | 63.00                    | 155.04                      | 7150.61     | 125.43 N                                      | 91.27 E  | 0.14                        | 0.38              |
| 7219.00                   | 5.28           | 45.65                   | 63.00                    | 161.24                      | 7213.30     | 130.00 N                                      | 95.49 E  | -1.25                       | 1.52              |
| 7281.00                   | 5.36           | 44.86                   | 62.00                    | 166.94                      | 7275.04     | 134.04 N                                      | 99.57 E  | 0.13                        | 0.17              |
| 7344.00                   | 5.45           | 44.25                   | 63.00                    | 172.83                      | 7337.76     | 138.27 N                                      | 103.74 E | 0.14                        | 0.17              |
| 7406.00                   | 4.84           | 40.82                   | 62.00                    | 178.37                      | 7399.51     | 142.36 N                                      | 107.50 E | -0.98                       | 1.10              |

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## Survey Report

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| Measured Depth<br>(ft) | Incl<br>(deg.) | Drift Dir.<br>(deg.) | Course Length<br>(ft) | Vertical Section<br>(ft) | TVD<br>(ft) | TOTAL<br>Rectangular Offsets<br>(ft) |          | Build Rate<br>(dg/100ft) | DLS<br>(dg/100ft) |
|------------------------|----------------|----------------------|-----------------------|--------------------------|-------------|--------------------------------------|----------|--------------------------|-------------------|
| 7469.00                | 4.57           | 33.96                | 63.00                 | 183.53                   | 7462.29     | 146.45 N                             | 110.64 E | -0.43                    | 0.99              |
| 7532.00                | 5.19           | 30.62                | 63.00                 | 188.86                   | 7525.07     | 150.99 N                             | 113.49 E | 0.98                     | 1.08              |
| 7594.00                | 5.54           | 32.38                | 62.00                 | 194.62                   | 7586.79     | 155.93 N                             | 116.52 E | 0.56                     | 0.62              |
| 7657.00                | 5.45           | 42.93                | 63.00                 | 200.63                   | 7649.51     | 160.69 N                             | 120.19 E | -0.14                    | 1.61              |
| 7719.00                | 5.54           | 48.64                | 62.00                 | 206.50                   | 7711.22     | 164.82 N                             | 124.44 E | 0.15                     | 0.89              |
| 7782.00                | 5.19           | 49.17                | 63.00                 | 212.28                   | 7773.95     | 168.69 N                             | 128.88 E | -0.56                    | 0.56              |
| 7845.00                | 5.45           | 50.84                | 63.00                 | 217.99                   | 7836.67     | 172.44 N                             | 133.36 E | 0.41                     | 0.48              |
| 7907.00                | 5.36           | 44.25                | 62.00                 | 223.74                   | 7898.40     | 176.38 N                             | 137.66 E | -0.15                    | 1.01              |
| 7970.00                | 4.84           | 31.77                | 63.00                 | 229.31                   | 7961.15     | 180.75 N                             | 141.11 E | -0.83                    | 1.94              |
| 8032.00                | 4.40           | 31.68                | 62.00                 | 234.27                   | 8022.95     | 184.99 N                             | 143.74 E | -0.71                    | 0.71              |
| 8095.00                | 4.48           | 31.85                | 63.00                 | 239.12                   | 8085.76     | 189.14 N                             | 146.31 E | 0.13                     | 0.13              |
| 8157.00                | 3.96           | 38.80                | 62.00                 | 243.67                   | 8147.59     | 192.86 N                             | 148.93 E | -0.84                    | 1.17              |
| 8220.00                | 3.78           | 37.13                | 63.00                 | 247.92                   | 8210.45     | 196.22 N                             | 151.54 E | -0.29                    | 0.34              |
| 8282.00                | 3.78           | 33.08                | 62.00                 | 252.00                   | 8272.31     | 199.56 N                             | 153.89 E | 0.00                     | 0.43              |
| 8345.00                | 2.90           | 40.91                | 63.00                 | 255.66                   | 8335.21     | 202.50 N                             | 156.07 E | -1.40                    | 1.57              |
| 8407.00                | 2.81           | 37.74                | 62.00                 | 258.75                   | 8397.13     | 204.89 N                             | 158.03 E | -0.15                    | 0.29              |
| 8470.00                | 2.81           | 36.51                | 63.00                 | 261.84                   | 8460.05     | 207.35 N                             | 159.89 E | 0.00                     | 0.10              |
| 8532.00                | 2.90           | 36.34                | 62.00                 | 264.92                   | 8521.98     | 209.84 N                             | 161.72 E | 0.15                     | 0.15              |
| 8595.00                | 2.90           | 39.06                | 63.00                 | 268.11                   | 8584.90     | 212.36 N                             | 163.67 E | 0.00                     | 0.22              |
| 8656.00                | 2.64           | 32.12                | 61.00                 | 271.05                   | 8645.82     | 214.75 N                             | 165.39 E | -0.43                    | 0.69              |
| 8718.00                | 2.55           | 25.09                | 62.00                 | 273.82                   | 8707.76     | 217.20 N                             | 166.74 E | -0.15                    | 0.53              |
| 8782.00                | 2.46           | 27.90                | 64.00                 | 276.56                   | 8771.70     | 219.71 N                             | 167.98 E | -0.14                    | 0.24              |
| 8844.00                | 2.29           | 8.04                 | 62.00                 | 278.94                   | 8833.65     | 222.11 N                             | 168.78 E | -0.27                    | 1.35              |
| 8907.00                | 2.20           | 6.54                 | 63.00                 | 281.07                   | 8896.60     | 224.56 N                             | 169.09 E | -0.14                    | 0.17              |
| 8969.00                | 2.64           | 5.05                 | 62.00                 | 283.28                   | 8958.54     | 227.16 N                             | 169.35 E | 0.71                     | 0.72              |
| 9032.00                | 2.99           | 357.05               | 63.00                 | 285.74                   | 9021.47     | 230.25 N                             | 169.40 E | 0.56                     | 0.83              |
| 9071.00                | 3.43           | 356.43               | 39.00                 | 287.39                   | 9060.41     | 232.43 N                             | 169.27 E | 1.13                     | 1.13              |
| PROJECTION TO TD       |                |                      |                       |                          |             |                                      |          |                          |                   |
| 9111.00                | 3.43           | 356.43               | 40.00                 | 289.18                   | 9100.33     | 234.82 N                             | 169.12 E | 0.00                     | 0.00              |

