



Job Number: ☐  
 Company: Devon Energy  
 Lease/Well: NEBU 451 A  
 Location: San Juan County  
 Rig Name: ☐  
 RKB: ☐  
 G.L. or M.S.L.: ☐

State/Country: NM  
 Declination: ☐  
 Grid: ☐  
 File name: C:\DATA\CUST06\SURVEYS\DEVON\06215.SVY  
 Date/Time: 25-Sep-06 / 10:35  
 Curve Name: As Drilled

30-045-33670

Surf. 1825/S 50/W Sec 5  
 BHL 2507/S 1967/E Sec 6  
 Md 4352 TVD 3328

Inwell Inc.

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 288.65  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead



| Measured Depth<br>FT | Incl Angle<br>Deg | Drift Direction<br>Deg | True Vertical Depth | Vertical Section<br>FT | N-S<br>FT | E-W<br>FT | CLOSURE<br>Distance<br>FT | Direction<br>Deg | Dogleg Severity<br>Deg/100 |
|----------------------|-------------------|------------------------|---------------------|------------------------|-----------|-----------|---------------------------|------------------|----------------------------|
| .00                  | .00               | .00                    | .00                 | .00                    | .00       | .00       | .00                       | .00              | .00                        |
| 333.00               | .60               | 254.30                 | 332.99              | 1.44                   | -.47      | -1.68     | 1.74                      | 254.30           | .18                        |
| 363.00               | 1.10              | 240.00                 | 362.99              | 1.76                   | -.66      | -2.08     | 2.18                      | 252.43           | 1.80                       |
| 453.00               | 4.30              | 300.60                 | 452.89              | 5.63                   | .63       | -5.73     | 5.77                      | 276.25           | 4.31                       |
| 545.00               | 9.20              | 295.90                 | 544.23              | 16.31                  | 5.60      | -15.32    | 16.31                     | 290.07           | 5.36                       |
| 637.00               | 13.70             | 287.60                 | 634.38              | 34.51                  | 12.11     | -32.33    | 34.53                     | 290.53           | 5.20                       |
| 729.00               | 19.50             | 288.10                 | 722.50              | 60.78                  | 20.18     | -57.33    | 60.78                     | 289.39           | 6.31                       |
| 821.00               | 25.00             | 289.60                 | 807.62              | 95.60                  | 31.48     | -90.27    | 95.60                     | 289.23           | 6.01                       |
| 914.00               | 30.00             | 287.30                 | 890.09              | 138.52                 | 45.00     | -131.01   | 138.52                    | 288.96           | 5.50                       |
| 1007.00              | 34.10             | 288.30                 | 968.90              | 187.85                 | 60.10     | -177.98   | 187.85                    | 288.66           | 4.45                       |
| 1100.00              | 38.30             | 289.10                 | 1043.93             | 242.77                 | 77.73     | -229.99   | 242.77                    | 288.67           | 4.54                       |
| 1192.00              | 42.20             | 288.30                 | 1114.14             | 302.20                 | 96.77     | -286.28   | 302.20                    | 288.68           | 4.28                       |
| 1286.00              | 45.90             | 288.60                 | 1181.68             | 367.54                 | 117.45    | -348.27   | 367.54                    | 288.64           | 3.94                       |
| 1378.00              | 50.00             | 288.80                 | 1243.29             | 435.84                 | 139.35    | -412.96   | 435.84                    | 288.65           | 4.46                       |
| 1472.00              | 54.80             | 289.10                 | 1300.63             | 510.29                 | 163.54    | -483.38   | 510.29                    | 288.69           | 5.11                       |
| 1565.00              | 59.60             | 289.10                 | 1350.99             | 588.44                 | 189.11    | -557.23   | 588.44                    | 288.75           | 5.16                       |
| 1658.00              | 64.30             | 288.80                 | 1394.71             | 670.49                 | 215.75    | -634.83   | 670.49                    | 288.77           | 5.06                       |
| 1750.00              | 69.00             | 288.90                 | 1431.17             | 754.93                 | 243.03    | -714.75   | 754.94                    | 288.78           | 5.11                       |
| 1844.00              | 72.50             | 288.10                 | 1462.15             | 843.66                 | 271.18    | -798.89   | 843.67                    | 288.75           | 3.81                       |
| 1935.00              | 74.30             | 287.80                 | 1488.15             | 930.86                 | 298.06    | -881.85   | 930.86                    | 288.67           | 2.00                       |
| 2027.00              | 74.20             | 286.80                 | 1513.12             | 1019.38                | 324.39    | -966.39   | 1019.38                   | 288.56           | 1.05                       |
| 2120.00              | 70.30             | 286.80                 | 1541.47             | 1107.89                | 349.98    | -1051.17  | 1107.90                   | 288.42           | 4.19                       |
| 2211.00              | 66.90             | 286.90                 | 1574.67             | 1192.56                | 374.54    | -1132.24  | 1192.58                   | 288.30           | 3.74                       |
| 2304.00              | 65.50             | 286.90                 | 1612.20             | 1277.61                | 399.27    | -1213.66  | 1277.65                   | 288.21           | 1.51                       |
| 2395.00              | 63.00             | 288.60                 | 1651.73             | 1359.55                | 424.25    | -1291.71  | 1359.60                   | 288.18           | 3.22                       |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | Vertical<br>Section<br>FT | N-S<br>FT | E-W<br>FT | C L O S U R E  |                  | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|---------------------------|-----------|-----------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           |                           |           |           | Distance<br>FT | Direction<br>Deg |                               |
| 2487.00                 | 58.70                | 290.10                    | 1696.54                   | 1439.87                   | 450.84    | -1367.51  | 1439.91        | 288.25           | 4.89                          |
| 2581.00                 | 53.40                | 290.80                    | 1749.01                   | 1517.78                   | 478.06    | -1440.55  | 1517.80        | 288.36           | 5.67                          |
| 2671.00                 | 48.30                | 289.10                    | 1805.82                   | 1587.53                   | 501.90    | -1506.12  | 1587.54        | 288.43           | 5.85                          |
| 2765.00                 | 45.60                | 288.30                    | 1869.98                   | 1656.22                   | 523.93    | -1571.17  | 1656.23        | 288.44           | 2.94                          |
| 2858.00                 | 41.70                | 289.60                    | 1937.26                   | 1720.39                   | 544.75    | -1631.88  | 1720.40        | 288.46           | 4.30                          |
|                         |                      |                           |                           |                           |           |           |                |                  |                               |
| 2950.00                 | 39.10                | 289.10                    | 2007.32                   | 1780.01                   | 564.51    | -1688.13  | 1780.02        | 288.49           | 2.85                          |
| 3041.00                 | 33.60                | 289.60                    | 2080.58                   | 1833.92                   | 582.36    | -1739.01  | 1833.93        | 288.51           | 6.05                          |
| 3134.00                 | 32.70                | 289.80                    | 2158.44                   | 1884.77                   | 599.50    | -1786.89  | 1884.77        | 288.55           | .97                           |
| 3234.00                 | 29.00                | 289.80                    | 2244.28                   | 1936.03                   | 616.87    | -1835.13  | 1936.03        | 288.58           | 3.70                          |
| 3334.00                 | 26.00                | 289.80                    | 2332.97                   | 1982.19                   | 632.51    | -1878.57  | 1982.19        | 288.61           | 3.00                          |
|                         |                      |                           |                           |                           |           |           |                |                  |                               |
| 3434.00                 | 22.00                | 289.80                    | 2424.31                   | 2022.85                   | 646.28    | -1916.83  | 2022.85        | 288.63           | 4.00                          |
| 3534.00                 | 18.00                | 289.80                    | 2518.26                   | 2057.03                   | 657.87    | -1949.00  | 2057.03        | 288.65           | 4.00                          |
| 3634.00                 | 15.00                | 289.80                    | 2614.13                   | 2085.43                   | 667.48    | -1975.72  | 2085.43        | 288.67           | 3.00                          |
| 3734.00                 | 10.00                | 289.80                    | 2711.73                   | 2107.06                   | 674.81    | -1996.08  | 2107.06        | 288.68           | 5.00                          |
| 3834.00                 | 6.00                 | 289.80                    | 2810.73                   | 2120.97                   | 679.53    | -2009.17  | 2120.97        | 288.69           | 4.00                          |
|                         |                      |                           |                           |                           |           |           |                |                  |                               |
| 3934.00                 | 2.00                 | 289.80                    | 2910.47                   | 2127.94                   | 681.89    | -2015.73  | 2127.94        | 288.69           | 4.00                          |
| 4034.00                 | .00                  | 289.80                    | 3010.45                   | 2129.69                   | 682.48    | -2017.37  | 2129.69        | 288.69           | 2.00                          |
| 4134.00                 | .00                  | 289.80                    | 3110.45                   | 2129.69                   | 682.48    | -2017.37  | 2129.69        | 288.69           | .00                           |
| 4234.00                 | .00                  | 289.80                    | 3210.45                   | 2129.69                   | 682.48    | -2017.37  | 2129.69        | 288.69           | .00                           |
| 4334.00                 | .00                  | 289.80                    | 3310.45                   | 2129.69                   | 682.48    | -2017.37  | 2129.69        | 288.69           | .00                           |

**Projected to TD**

|         |     |        |         |         |        |          |         |        |     |
|---------|-----|--------|---------|---------|--------|----------|---------|--------|-----|
| 4352.00 | .00 | 289.80 | 3328.45 | 2129.69 | 682.48 | -2017.37 | 2129.69 | 288.69 | .00 |
|---------|-----|--------|---------|---------|--------|----------|---------|--------|-----|

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 Lease/Well: NEBU 451 A  
 Location: San Juan County  
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