



Job Number:  
Company: Devon Energy  
Lease/Well: NEBU 337 M  
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\06249.SVY  
Date/Time: 29-Nov-06 / 11:10  
Curve Name: As Drilled

DIST. 3

70-045-33821

Surface 495/5 1010/W Sec 20  
Int BHL 702/5 810/E Sec 19 Inwell Inc.  
Md 4470

WINSERVE SURVEY CALCULATIONS  
Minimum Curvature Method  
Vertical Section Plane 276.45  
Vertical Section Referenced to Wellhead  
Rectangular Coordinates Referenced to Wellhead

~~WINSERVE SURVEY CALCULATIONS~~ BHL Deviation

| Measured Depth<br>FT | Incl Angle<br>Deg | Drift Direction<br>Deg | True Vertical Depth | N-S<br>FT | E-W<br>FT | Vertical Section<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               | 5.70              | 167.00                 | 332.45              | -16.13    | 3.72      | -5.51                  | 16.55                     | 167.00           | 1.71                       |
| 422.00               | 5.80              | 186.20                 | 421.01              | -24.90    | 4.23      | -7.00                  | 25.26                     | 170.36           | 2.15                       |
| 514.00               | 6.90              | 226.40                 | 512.49              | -33.34    | -.27      | -3.47                  | 33.34                     | 180.47           | 4.87                       |
| 607.00               | 7.20              | 270.80                 | 604.85              | -37.11    | -10.15    | 5.92                   | 38.48                     | 195.30           | 5.72                       |
| 703.00               | 10.30             | 280.90                 | 699.73              | -35.41    | -24.60    | 20.47                  | 43.12                     | 214.79           | 3.59                       |
| 797.00               | 14.40             | 279.80                 | 791.53              | -31.83    | -44.38    | 40.52                  | 54.61                     | 234.35           | 4.37                       |
| 891.00               | 18.80             | 280.40                 | 881.59              | -27.10    | -70.81    | 67.32                  | 75.82                     | 249.06           | 4.68                       |
| 984.00               | 23.00             | 278.80                 | 968.46              | -21.61    | -103.52   | 100.44                 | 105.75                    | 258.21           | 4.56                       |
| 1078.00              | 26.90             | 279.80                 | 1053.67             | -15.18    | -142.64   | 140.03                 | 143.44                    | 263.92           | 4.17                       |
| 1172.00              | 30.30             | 279.60                 | 1136.19             | -7.61     | -186.98   | 184.95                 | 187.14                    | 267.67           | 3.62                       |
| 1266.00              | 33.20             | 279.20                 | 1216.11             | .46       | -235.78   | 234.34                 | 235.78                    | 270.11           | 3.09                       |
| 1360.00              | 37.20             | 278.30                 | 1292.91             | 8.68      | -289.32   | 288.47                 | 289.45                    | 271.72           | 4.29                       |
| 1453.00              | 39.90             | 277.80                 | 1365.63             | 16.79     | -346.71   | 346.40                 | 347.11                    | 272.77           | 2.92                       |
| 1548.00              | 39.40             | 276.20                 | 1438.78             | 24.18     | -406.87   | 407.01                 | 407.59                    | 273.40           | 1.20                       |
| 1641.00              | 39.30             | 276.80                 | 1510.70             | 30.86     | -465.46   | 465.98                 | 466.48                    | 273.79           | .42                        |
| 1734.00              | 39.60             | 277.80                 | 1582.51             | 38.37     | -524.07   | 525.06                 | 525.47                    | 274.19           | .76                        |
| 1828.00              | 39.70             | 276.80                 | 1654.89             | 45.99     | -583.56   | 585.03                 | 585.37                    | 274.51           | .69                        |
| 1922.00              | 39.50             | 277.90                 | 1727.32             | 53.65     | -642.98   | 644.94                 | 645.22                    | 274.77           | .78                        |
| 2013.00              | 40.00             | 277.10                 | 1797.28             | 61.25     | -700.67   | 703.12                 | 703.35                    | 275.00           | .79                        |
| 2103.00              | 39.50             | 278.10                 | 1866.48             | 68.85     | -757.72   | 760.66                 | 760.84                    | 275.19           | .90                        |
| 2195.00              | 39.00             | 276.80                 | 1937.72             | 76.41     | -815.43   | 818.85                 | 819.00                    | 275.35           | 1.05                       |
| 2286.00              | 39.00             | 278.80                 | 2008.45             | 84.18     | -872.16   | 876.10                 | 876.22                    | 275.51           | 1.38                       |
| 2380.00              | 39.10             | 277.60                 | 2081.45             | 92.62     | -930.78   | 935.29                 | 935.37                    | 275.68           | .81                        |
| 2472.00              | 38.70             | 277.60                 | 2153.04             | 100.26    | -988.04   | 993.05                 | 993.11                    | 275.79           | .43                        |

| Measured<br>Depth<br>FT | Incl<br>Angle<br>Deg | Drift<br>Direction<br>Deg | True<br>Vertical<br>Depth | N-S<br>FT | E-W<br>FT | Vertical<br>Section<br>FT | C L O S U R E  |                  | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           | FT        | FT        | FT                        | Distance<br>FT | Direction<br>Deg |                               |
| 2563.00                 | 39.40                | 276.40                    | 2223.72                   | 107.24    | -1044.94  | 1050.37                   | 1050.43        | 275.86           | 1.13                          |
| 2657.00                 | 39.80                | 277.10                    | 2296.14                   | 114.29    | -1104.44  | 1110.29                   | 1110.34        | 275.91           | .64                           |
| 2752.00                 | 39.50                | 278.20                    | 2369.29                   | 122.36    | -1164.52  | 1170.89                   | 1170.93        | 276.00           | .80                           |
| 2845.00                 | 39.01                | 278.60                    | 2441.30                   | 130.95    | -1222.74  | 1229.71                   | 1229.73        | 276.11           | .59                           |
| 2939.00                 | 38.60                | 277.30                    | 2514.56                   | 139.10    | -1281.07  | 1288.59                   | 1288.60        | 276.20           | .97                           |
|                         |                      |                           |                           |           |           |                           |                |                  |                               |
| 3032.00                 | 39.40                | 275.90                    | 2586.83                   | 145.82    | -1339.21  | 1347.11                   | 1347.13        | 276.21           | 1.28                          |
| 3124.00                 | 37.40                | 275.80                    | 2658.93                   | 151.65    | -1396.06  | 1404.25                   | 1404.27        | 276.20           | 2.17                          |
| 3216.00                 | 35.00                | 277.60                    | 2733.17                   | 157.96    | -1450.01  | 1458.58                   | 1458.59        | 276.22           | 2.85                          |
| 3310.00                 | 32.90                | 277.40                    | 2811.14                   | 164.82    | -1502.06  | 1511.06                   | 1511.07        | 276.26           | 2.24                          |
| 3404.00                 | 30.40                | 277.90                    | 2891.15                   | 171.37    | -1550.94  | 1560.37                   | 1560.38        | 276.31           | 2.67                          |
|                         |                      |                           |                           |           |           |                           |                |                  |                               |
| 3497.00                 | 27.60                | 278.30                    | 2972.48                   | 177.72    | -1595.57  | 1605.44                   | 1605.44        | 276.36           | 3.02                          |
| 3591.00                 | 24.30                | 282.30                    | 3057.00                   | 184.99    | -1636.03  | 1646.46                   | 1646.46        | 276.45           | 3.97                          |
| 3685.00                 | 19.70                | 283.10                    | 3144.13                   | 192.70    | -1670.38  | 1681.45                   | 1681.46        | 276.58           | 4.90                          |
| 3777.00                 | 16.70                | 279.80                    | 3231.52                   | 198.47    | -1698.51  | 1710.06                   | 1710.07        | 276.66           | 3.45                          |
| 3962.00                 | 13.50                | 270.20                    | 3410.14                   | 203.07    | -1746.32  | 1758.08                   | 1758.09        | 276.63           | 2.19                          |
|                         |                      |                           |                           |           |           |                           |                |                  |                               |
| 4021.00                 | 13.40                | 273.10                    | 3467.52                   | 203.46    | -1760.03  | 1771.75                   | 1771.76        | 276.59           | 1.16                          |
| 4070.00                 | 13.40                | 273.10                    | 3515.19                   | 204.08    | -1771.37  | 1783.09                   | 1783.09        | 276.57           | .00                           |
| 4170.00                 | 10.00                | 273.10                    | 3613.09                   | 205.17    | -1791.62  | 1803.33                   | 1803.33        | 276.53           | 3.40                          |
| 4270.00                 | 7.00                 | 273.10                    | 3711.99                   | 205.97    | -1806.38  | 1818.08                   | 1818.08        | 276.51           | 3.00                          |
| 4370.00                 | 4.00                 | 273.10                    | 3811.51                   | 206.49    | -1815.95  | 1827.65                   | 1827.65        | 276.49           | 3.00                          |
|                         |                      |                           |                           |           |           |                           |                |                  |                               |
| 4470.00                 | 1.00                 | 273.10                    | 3911.41                   | 206.73    | -1820.30  | 1832.00                   | 1832.00        | 276.48           | 3.00                          |
| 4570.00                 | .00                  | 273.10                    | 4011.40                   | 206.77    | -1821.17  | 1832.87                   | 1832.87        | 276.48           | 1.00                          |
| 8518.00                 | .00                  | 273.10                    | 7959.40                   | 206.77    | -1821.17  | 1832.87                   | 1832.87        | 276.48           | .00                           |

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