



Job Number: 07162  
 Company: Devon Energy  
 Lease/Well: NEBU 19 M  
 Location: Rio Arriba County  
 Rig Name: ☐  
 RKB: ☐  
 G.L. or M.S.L.: 6388'

State/Country: NM  
 Declination: ☐  
 Grid: ☐  
 File name: C:\DATA\CUST07\SURVEYS\TEMP\07162.SVY  
 Date/Time: 20-Feb-07 / 08:23  
 Curve Name: As Drilled

30 039 30150  
 5016 840/N 1380/E  
 314L 1224/N 1651/E

Inwell Inc.

H 3/15/07

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane 215.05  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

RCVD MAR14'07  
 OIL CONS. DIV.  
 DIST. 3

| 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 | CLOSURE<br>Distance<br>FT | Direction<br>Deg | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|---------------------------|------------------|-------------------------------|
| .00                     | .00                  | .00                       | .00                       | .00       | .00       | .00                       | .00                       | .00              | .00                           |
| 305.00                  | .60                  | 329.60                    | 304.99                    | 1.38      | -.81      | -.66                      | 1.60                      | 329.60           | .20                           |
| 394.00                  | 1.90                 | 220.60                    | 393.98                    | .66       | -2.00     | .61                       | 2.11                      | 288.20           | 2.44                          |
| 484.00                  | 3.30                 | 212.50                    | 483.88                    | -2.66     | -4.37     | 4.68                      | 5.11                      | 238.67           | 1.60                          |
| 575.00                  | 4.80                 | 217.80                    | 574.65                    | -7.88     | -8.11     | 11.10                     | 11.30                     | 225.83           | 1.70                          |
| 670.00                  | 7.00                 | 215.50                    | 669.15                    | -15.73    | -13.91    | 20.86                     | 21.00                     | 221.48           | 2.33                          |
| 763.00                  | 9.20                 | 214.40                    | 761.21                    | -26.48    | -21.40    | 33.97                     | 34.05                     | 218.94           | 2.37                          |
| 856.00                  | 10.90                | 216.50                    | 852.78                    | -39.68    | -30.83    | 50.19                     | 50.25                     | 217.84           | 1.87                          |
| 949.00                  | 11.00                | 217.30                    | 944.09                    | -53.81    | -41.44    | 67.85                     | 67.92                     | 217.60           | .20                           |
| 1043.00                 | 12.00                | 215.30                    | 1036.20                   | -68.92    | -52.52    | 86.58                     | 86.65                     | 217.31           | 1.15                          |
| 1137.00                 | 11.70                | 214.30                    | 1128.20                   | -84.77    | -63.54    | 105.88                    | 105.94                    | 216.85           | .39                           |
| 1231.00                 | 12.30                | 215.80                    | 1220.14                   | -100.76   | -74.76    | 125.43                    | 125.47                    | 216.57           | .72                           |
| 1325.00                 | 12.20                | 215.60                    | 1312.00                   | -116.96   | -86.40    | 145.37                    | 145.41                    | 216.45           | .12                           |
| 1418.00                 | 12.30                | 214.90                    | 1402.89                   | -133.07   | -97.79    | 165.10                    | 165.14                    | 216.31           | .19                           |
| 1511.00                 | 12.10                | 214.40                    | 1493.78                   | -149.24   | -108.97   | 184.75                    | 184.79                    | 216.13           | .24                           |
| 1605.00                 | 12.10                | 213.20                    | 1585.70                   | -165.61   | -119.93   | 204.45                    | 204.47                    | 215.91           | .27                           |
| 1699.00                 | 12.20                | 216.50                    | 1677.59                   | -181.84   | -131.23   | 224.23                    | 224.25                    | 215.82           | .75                           |
| 1792.00                 | 12.10                | 216.10                    | 1768.51                   | -197.62   | -142.82   | 243.80                    | 243.82                    | 215.86           | .14                           |
| 1886.00                 | 12.40                | 215.10                    | 1860.37                   | -213.83   | -154.42   | 263.74                    | 263.77                    | 215.84           | .39                           |
| 1978.00                 | 12.40                | 214.90                    | 1950.22                   | -230.02   | -165.76   | 283.50                    | 283.52                    | 215.78           | .05                           |
| 2073.00                 | 12.30                | 214.80                    | 2043.02                   | -246.69   | -177.37   | 303.81                    | 303.84                    | 215.72           | .11                           |
| 2167.00                 | 12.10                | 213.40                    | 2134.90                   | -263.14   | -188.50   | 323.67                    | 323.69                    | 215.62           | .38                           |
| 2260.00                 | 12.10                | 214.40                    | 2225.84                   | -279.32   | -199.38   | 343.16                    | 343.18                    | 215.52           | .23                           |
| 2352.00                 | 11.30                | 214.80                    | 2315.92                   | -294.68   | -209.97   | 361.82                    | 361.83                    | 215.47           | .87                           |
| 2443.00                 | 10.20                | 214.40                    | 2405.32                   | -308.65   | -219.61   | 378.79                    | 378.80                    | 215.43           | 1.21                          |

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| 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 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           |           |           |                           | Distance<br>FT | Direction<br>Deg |                               |
| 2536.00                 | 9.20                 | 214.00                    | 2496.99                   | -321.60   | -228.42   | 394.46                    | 394.47         | 215.38           | 1.08                          |
| 2628.00                 | 8.20                 | 214.40                    | 2587.93                   | -333.11   | -236.24   | 408.37                    | 408.38         | 215.34           | 1.09                          |
| 2722.00                 | 7.00                 | 212.40                    | 2681.11                   | -343.48   | -243.10   | 420.80                    | 420.80         | 215.29           | 1.31                          |
| 2813.00                 | 6.70                 | 218.60                    | 2771.46                   | -352.31   | -249.38   | 431.64                    | 431.64         | 215.29           | .88                           |
| 2907.00                 | 5.80                 | 214.00                    | 2864.90                   | -360.54   | -255.46   | 441.86                    | 441.86         | 215.32           | 1.09                          |
|                         |                      |                           |                           |           |           |                           |                |                  |                               |
| 3001.00                 | 4.80                 | 212.40                    | 2958.50                   | -367.80   | -260.22   | 450.54                    | 450.54         | 215.28           | 1.08                          |
| 3096.00                 | 4.20                 | 213.30                    | 3053.20                   | -374.06   | -264.26   | 457.99                    | 457.99         | 215.24           | .64                           |
| 3189.00                 | 3.20                 | 211.80                    | 3146.01                   | -379.11   | -267.50   | 463.98                    | 463.98         | 215.21           | 1.08                          |
| 3283.00                 | .90                  | 226.80                    | 3239.94                   | -381.85   | -269.42   | 467.32                    | 467.33         | 215.21           | 2.49                          |
| 3375.00                 | .50                  | 206.80                    | 3331.94                   | -382.70   | -270.13   | 468.43                    | 468.43         | 215.22           | .50                           |
|                         |                      |                           |                           |           |           |                           |                |                  |                               |
| 3470.00                 | .60                  | 219.00                    | 3426.93                   | -383.46   | -270.63   | 469.33                    | 469.34         | 215.21           | .16                           |
| Projected to Bit        |                      |                           |                           |           |           |                           |                |                  |                               |
| 3540.00                 | .60                  | 219.00                    | 3496.93                   | -384.03   | -271.09   | 470.07                    | 470.07         | 215.22           | .00                           |

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**Lease/Well:** NEBU 19 M  
**Location:** Rio Arriba County  
**State/Country:** NM

