



MERIT  
ENERGY  
COMPANY

Company: Merit Energy  
Well: Nelson 2-8I  
Location: Weld County  
State: Colorado  
Rig: Patterson 103  
Correction:  
North: Referenced to True North



Subject: Prop Rev 2  
File Name: P07468r2.dwg  
Date: 10/29/2008  
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Job Number: P07-468  
 Company: Merit Energy  
 Lease/Well: Nelson 2-81  
 Location: Weld County  
 Rig Name: Patterson 103  
 RKB:  
 G.L. or M.S.L.:

State/Country: Colorado  
 Declination:  
 Grid: Referenced to True North  
 File name: F:\WELLPL-1\2007\IP07460\S\IP07468\07468.SVY  
 Date/Time: 29-Oct-08 / 11:16  
 Curve Name: Prop Rev 2

WINSERVE PROPOSAL REPORT  
 Minimum Curvature Method  
 Vertical Section Plane 58.11  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

| 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 |
|------------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|---------------------------|------------------|-------------------------------|
| <b>KOP, 2.00°/100' Build</b> |                      |                           |                           |           |           |                           |                           |                  |                               |
| 1061.71                      | .00                  | .00                       | 1061.71                   | .00       | .00       | .00                       | .00                       | .00              | .00                           |
| 1161.71                      | 2.00                 | 58.11                     | 1161.69                   | .92       | 1.48      | 1.75                      | 1.75                      | 58.11            | 2.00                          |
| 1261.71                      | 4.00                 | 58.11                     | 1261.55                   | 3.69      | 5.93      | 6.98                      | 6.98                      | 58.11            | 2.00                          |
| 1361.71                      | 6.00                 | 58.11                     | 1361.16                   | 8.29      | 13.32     | 15.69                     | 15.69                     | 58.11            | 2.00                          |
| 1461.71                      | 8.00                 | 58.11                     | 1460.41                   | 14.73     | 23.67     | 27.88                     | 27.88                     | 58.11            | 2.00                          |
| 1561.71                      | 10.00                | 58.11                     | 1559.18                   | 22.99     | 36.95     | 43.52                     | 43.52                     | 58.11            | 2.00                          |
| <b>Begin 12.00° Tangent</b>  |                      |                           |                           |           |           |                           |                           |                  |                               |
| 1661.71                      | 12.00                | 58.11                     | 1657.33                   | 33.07     | 53.15     | 62.60                     | 62.60                     | 58.11            | 2.00                          |
| <b>Begin 1.50°/100' Drop</b> |                      |                           |                           |           |           |                           |                           |                  |                               |
| 5954.01                      | 12.00                | 58.11                     | 5855.84                   | 504.54    | 810.87    | 955.02                    | 955.02                    | 58.11            | .00                           |
| 6054.01                      | 10.50                | 58.11                     | 5953.91                   | 514.85    | 827.43    | 974.53                    | 974.53                    | 58.11            | 1.50                          |
| 6154.01                      | 9.00                 | 58.11                     | 6052.46                   | 523.80    | 841.81    | 991.46                    | 991.46                    | 58.11            | 1.50                          |
| 6254.01                      | 7.50                 | 58.11                     | 6151.43                   | 531.38    | 853.99    | 1005.81                   | 1005.81                   | 58.11            | 1.50                          |
| 6354.01                      | 6.00                 | 58.11                     | 6250.73                   | 537.59    | 863.97    | 1017.57                   | 1017.57                   | 58.11            | 1.50                          |
| 6454.01                      | 4.50                 | 58.11                     | 6350.31                   | 542.42    | 871.74    | 1026.72                   | 1026.72                   | 58.11            | 1.50                          |
| 6554.01                      | 3.00                 | 58.11                     | 6450.09                   | 545.87    | 877.29    | 1033.26                   | 1033.26                   | 58.11            | 1.50                          |
| 6654.01                      | 1.50                 | 58.11                     | 6550.01                   | 547.95    | 880.62    | 1037.18                   | 1037.18                   | 58.11            | 1.50                          |
| <b>Begin Vertical Hold</b>   |                      |                           |                           |           |           |                           |                           |                  |                               |
| 6754.01                      | .00                  | .00                       | 6650.00                   | 548.64    | 881.74    | 1038.49                   | 1038.49                   | 58.11            | 1.50                          |
| <b>Niobrara</b>              |                      |                           |                           |           |           |                           |                           |                  |                               |
| 6954.01                      | .00                  | .00                       | 6850.00                   | 548.64    | 881.74    | 1038.49                   | 1038.49                   | 58.11            | .00                           |

| 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        |                  | Dogleg<br>Severity<br>Deg/100 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|----------------|------------------|-------------------------------|
|                         |                      |                           |                           |           |           |                           | Distance<br>FT | Direction<br>Deg |                               |
| PBHL                    |                      |                           |                           |           |           |                           |                |                  |                               |
| 7548.01                 | .00                  | .00                       | 7444.00                   | 548.64    | 881.74    | 1038.49                   | 1038.49        | 58.11            | .00                           |