

PLAN #3



Job Number:  
Company: Yates Petroleum Corp.  
Lease/Well: C. O. Jones #2  
Location: Lea County  
Rig Name:  
RKB:  
G.L. or M.S.L.:

State/Country: New Mexico  
Declination: 9 Degrees East  
Grid:  
File name: C:\WINSERVE\YATESHOR.SVY  
Date/Time: 08-Oct-99 / 10:28  
Curve Name:

Daily International Inc.  
Midland, Texas

WINSERVE SURVEY CALCULATIONS  
Minimum Curvature Method  
Vertical Section Plane 90.00  
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 |
|-------------------------|----------------------|---------------------------|---------------------------|-----------|-----------|---------------------------|---------------------------|------------------|-------------------------------|
| 10500.00                | .00                  | 270.00                    | 10500.00                  | .00       | .00       | .00                       | .00                       | .00              | .00                           |
| 10530.00                | .81                  | 270.00                    | 10530.00                  | .00       | -.21      | -.21                      | .21                       | 270.00           | 2.69                          |
| 10560.00                | 1.62                 | 270.00                    | 10559.99                  | .00       | -.85      | -.85                      | .85                       | 270.00           | 2.69                          |
| 10590.00                | 2.42                 | 270.00                    | 10589.97                  | .00       | -1.90     | -1.90                     | 1.90                      | 270.00           | 2.69                          |
| 10620.00                | 3.23                 | 270.00                    | 10619.94                  | .00       | -3.38     | -3.38                     | 3.38                      | 270.00           | 2.69                          |
| 10650.00                | 4.04                 | 270.00                    | 10649.88                  | .00       | -5.28     | -5.28                     | 5.28                      | 270.00           | 2.69                          |
| 10680.00                | 4.85                 | 270.00                    | 10679.79                  | .00       | -7.61     | -7.61                     | 7.61                      | 270.00           | 2.69                          |
| 10710.00                | 5.65                 | 270.00                    | 10709.66                  | .00       | -10.35    | -10.35                    | 10.35                     | 270.00           | 2.69                          |
| 10740.00                | 6.46                 | 270.00                    | 10739.49                  | .00       | -13.52    | -13.52                    | 13.52                     | 270.00           | 2.69                          |
| 10770.00                | 7.27                 | 270.00                    | 10769.28                  | .00       | -17.10    | -17.10                    | 17.10                     | 270.00           | 2.69                          |
| 10800.00                | 8.08                 | 270.00                    | 10799.01                  | .00       | -21.11    | -21.11                    | 21.11                     | 270.00           | 2.69                          |
| 10830.00                | 8.88                 | 270.00                    | 10828.68                  | .00       | -25.53    | -25.53                    | 25.53                     | 270.00           | 2.69                          |
| 10860.00                | 9.69                 | 270.00                    | 10858.29                  | .00       | -30.38    | -30.38                    | 30.38                     | 270.00           | 2.69                          |
| 10890.00                | 10.50                | 270.00                    | 10887.82                  | .00       | -35.64    | -35.64                    | 35.64                     | 270.00           | 2.69                          |
| 10920.00                | 11.31                | 270.00                    | 10917.28                  | .00       | -41.31    | -41.31                    | 41.31                     | 270.00           | 2.69                          |
| 10950.00                | 12.12                | 270.00                    | 10946.65                  | .00       | -47.40    | -47.40                    | 47.40                     | 270.00           | 2.69                          |
| 10980.00                | 12.92                | 270.00                    | 10975.94                  | .00       | -53.90    | -53.90                    | 53.90                     | 270.00           | 2.69                          |
| 11010.00                | 13.73                | 270.00                    | 11005.13                  | .00       | -60.82    | -60.82                    | 60.82                     | 270.00           | 2.69                          |
| 11040.00                | 14.54                | 270.00                    | 11034.22                  | .00       | -68.14    | -68.14                    | 68.14                     | 270.00           | 2.69                          |
| 11066.67                | 15.28                | 270.00                    | 11060.00                  | .00       | -75.00    | -75.00                    | 75.00                     | 270.00           | 2.69                          |