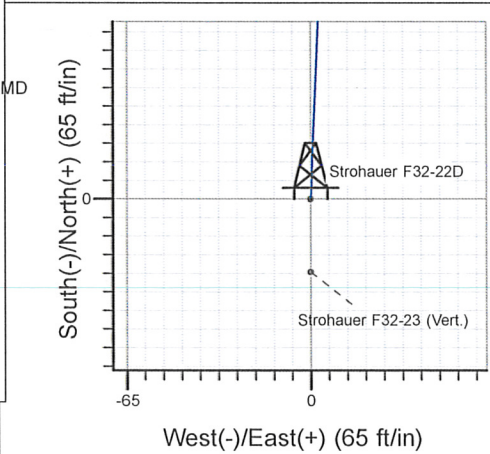
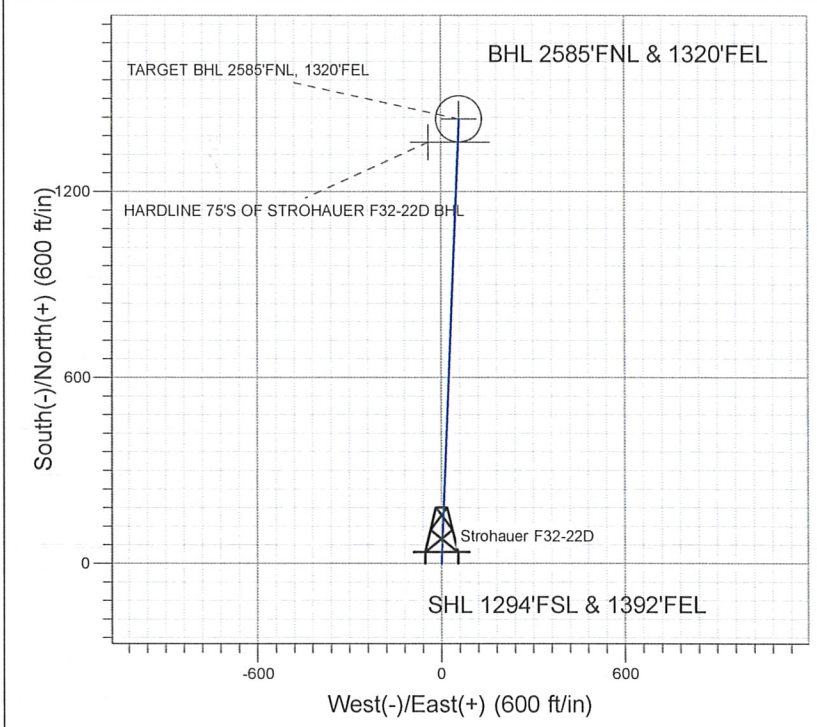
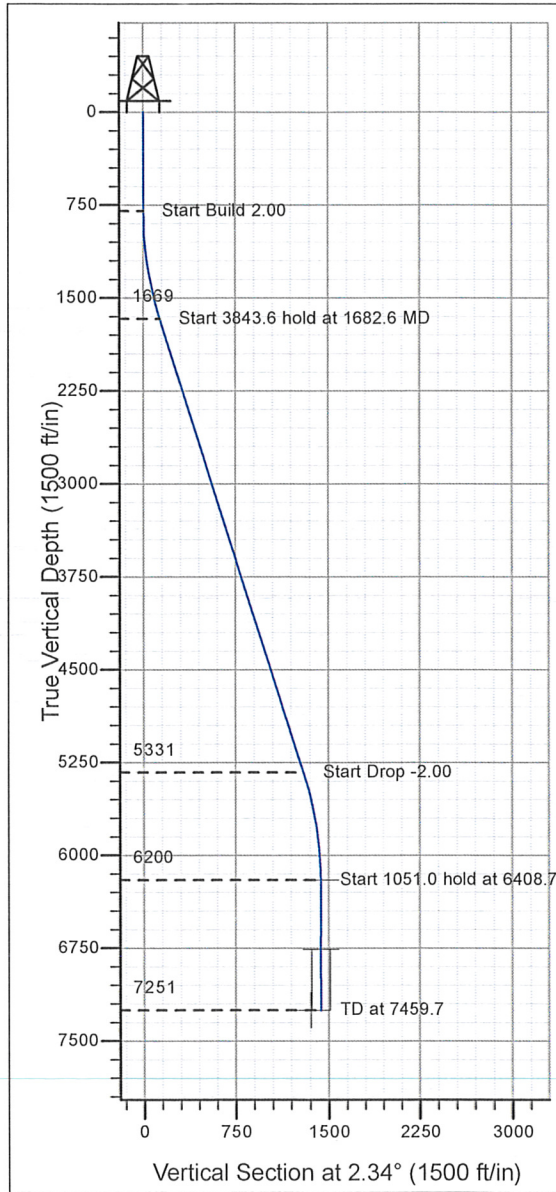


### Well Name: Strohauser F32-22D

Surface Location: Strohauser F32-22D Pad Sec.32-T5N-R65W  
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone  
 Ground Elevation: 4668.0  
 +N/-S+E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 1372134.50 3227742.55 40° 21' 7.308 N 104° 40' 58.260 W  
 Original Well Elev WELL @ 4681.0ft (Original Well Elev)

### NOBLE ENERGY INC WELD COUNTY CO



Strohauser F32-22D Pad Sec.32-T5N-R65W  
 Strohauser F32-22D  
 Noble Strohauser F32-22D Plan #1 (01-29-10)  
 13:50, January 29 2010

T M  
 Azimuths to True North  
 Magnetic North: 8.97°  
 Magnetic Field  
 Strength: 53289.0snT  
 Dip Angle: 67.08°  
 Date: 12/31/2009  
 Model: IGRF200510

#### WELLBORE TARGET DETAILS (LAT/LONG)

| Name                                    | TVD    | +N/-S  | +E/-W | Latitude         | Longitude         | Shape                 |
|---|--------|--------|-------|------------------|-------------------|-----------------------|
| TARGET BHL 2585'FNL, 1320'FEL           | 6200.0 | 1434.0 | 58.6  | 40° 21' 21.479 N | 104° 40' 57.503 W | Point                 |
| TARGET CIRCLE 2585'FNL, 1320'FEL        | 6761.0 | 1434.0 | 58.6  | 40° 21' 21.478 N | 104° 40' 57.503 W | Circle (Radius: 75.0) |
| HARDLINE 75'S OF STROHAUSER F32-22D BHL | 7251.0 | 1359.0 | -41.4 | 40° 21' 20.737 N | 104° 40' 58.795 W | Polygon               |

#### SECTION DETAILS

| Sec | MD     | Inc   | Azi  | TVD    | +N/-S  | +E/-W | DLeg | TFace  | VSec   | Target                        |
|-----|--------|-------|------|--------|--------|-------|------|--------|--------|-------------------------------|
| 1   | 0.0    | 0.00  | 0.00 | 0.0    | 0.0    | 0.0   | 0.00 | 0.00   | 0.0    |                               |
| 2   | 800.0  | 0.00  | 0.00 | 800.0  | 0.0    | 0.0   | 0.00 | 0.00   | 0.0    |                               |
| 3   | 1682.6 | 17.65 | 2.34 | 1668.7 | 134.8  | 5.5   | 2.00 | 2.34   | 134.9  |                               |
| 4   | 5526.2 | 17.65 | 2.34 | 5331.3 | 1299.3 | 53.1  | 0.00 | 0.00   | 1300.4 |                               |
| 5   | 6408.7 | 0.00  | 0.00 | 6200.0 | 1434.0 | 58.6  | 2.00 | 180.00 | 1435.2 | TARGET BHL 2585'FNL, 1320'FEL |
| 6   | 7459.7 | 0.00  | 0.00 | 7251.0 | 1434.0 | 58.6  | 0.00 | 0.00   | 1435.2 |                               |



## Directional

### **NOBLE ENERGY INC WELD COUNTY CO**

**SEC.32-T5N-R65W**

**Strohauer F32-22D Pad Sec.32-T5N-R65W**

**Strohauer F32-22D**

**Wellbore #1**

**Plan: Noble Strohauer F32-22D Plan #1 (01-29-10)**

### **Standard Planning Report**

**29 January, 2010**



|                  |  |                                     |                                      |
|------------------|--|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM den0-adp01 Server Data                 | <b>Local Co-ordinate Reference:</b> | Well Strohauer F32-22D               |
| <b>Company:</b>  | NOBLE ENERGY INC WELD COUNTY CO            | <b>TVD Reference:</b>               | WELL @ 4681.0ft (Original Well Elev) |
| <b>Project:</b>  | SEC.32-T5N-R65W                            | <b>MD Reference:</b>                | WELL @ 4681.0ft (Original Well Elev) |
| <b>Site:</b>     | Strohauer F32-22D Pad Sec.32-T5N-R65W      | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Strohauer F32-22D                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                                |                                     |                                      |
| <b>Design:</b>   | Noble Strohauer F32-22D Plan #1 (01-29-10) |                                     |                                      |

|                    |  |                      |                             |
|--------------------|--|----------------------|-----------------------------|
| <b>Project</b>     | SEC.32-T5N-R65W, Weld County, Colorado |                      |                             |
| <b>Map System:</b> | US State Plane 1983                    | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | North American Datum 1983              |                      | Using Well Reference Point  |
| <b>Map Zone:</b>   | Colorado Northern Zone                 |                      | Using geodetic scale factor |

|                              |                                       |                     |                 |                          |                   |
|------------------------------|---------------------------------------|---------------------|-----------------|--------------------------|-------------------|
| <b>Site</b>                  | Strohauer F32-22D Pad Sec.32-T5N-R65W |                     |                 |                          |                   |
| <b>Site Position:</b>        |                                       | <b>Northing:</b>    | 1,372,134.51 ft | <b>Latitude:</b>         | 40° 21' 7.308 N   |
| <b>From:</b>                 | Lat/Long                              | <b>Easting:</b>     | 3,227,742.55 ft | <b>Longitude:</b>        | 104° 40' 58.260 W |
| <b>Position Uncertainty:</b> | 0.0 ft                                | <b>Slot Radius:</b> | "               | <b>Grid Convergence:</b> | 0.53 °            |

|                             |                   |        |                            |                 |                      |                   |
|-----------------------------|-------------------|--------|----------------------------|-----------------|----------------------|-------------------|
| <b>Well</b>                 | Strohauer F32-22D |        |                            |                 |                      |                   |
| <b>Well Position</b>        | <b>+N/-S</b>      | 0.0 ft | <b>Northing:</b>           | 1,372,134.50 ft | <b>Latitude:</b>     | 40° 21' 7.308 N   |
|                             | <b>+E/-W</b>      | 0.0 ft | <b>Easting:</b>            | 3,227,742.55 ft | <b>Longitude:</b>    | 104° 40' 58.260 W |
| <b>Position Uncertainty</b> |                   | 0.0 ft | <b>Wellhead Elevation:</b> | ft              | <b>Ground Level:</b> | 4,668.0 ft        |

|                 |             |
|-----------------|-------------|
| <b>Wellbore</b> | Wellbore #1 |
|-----------------|-------------|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
|           | IGRF200510 | 12/31/2009  | 8.97            | 67.08         | 53,289              |

|               |  |
|---------------|--|
| <b>Design</b> | Noble Strohauer F32-22D Plan #1 (01-29-10) |
|---------------|--|

|                     |  |
|---------------------|--|
| <b>Audit Notes:</b> |  |
| <b>Version:</b>     | <b>Phase:</b> PROTOTYPE <b>Tie On Depth:</b> 0.0 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|-------------------|-----------------------|------------|------------|---------------|
|                   | 0.0                   | 0.0        | 0.0        | 2.34          |

|                      |  |
|----------------------|--|
| <b>Plan Sections</b> |  |
|----------------------|--|

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target          |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|-----------------|
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 800.0               | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 1,682.6             | 17.65           | 2.34        | 1,668.7             | 134.8      | 5.5        | 2.00                  | 2.00                 | 0.00                | 2.34    |                 |
| 5,526.2             | 17.65           | 2.34        | 5,331.3             | 1,299.3    | 53.1       | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |
| 6,408.7             | 0.00            | 0.00        | 6,200.0             | 1,434.0    | 58.6       | 2.00                  | -2.00                | 0.00                | 180.00  | TARGET BHL 258E |
| 7,459.7             | 0.00            | 0.00        | 7,251.0             | 1,434.0    | 58.6       | 0.00                  | 0.00                 | 0.00                | 0.00    |                 |

|           |   |                              |                                      |
|-----------|---|------------------------------|--------------------------------------|
| Database: | EDM den0-adp01 Server Data                  | Local Co-ordinate Reference: | Well Strohauser F32-22D              |
| Company:  | NOBLE ENERGY INC WELD COUNTY CO             | TVD Reference:               | WELL @ 4681.0ft (Original Well Elev) |
| Project:  | SEC.32-T5N-R65W                             | MD Reference:                | WELL @ 4681.0ft (Original Well Elev) |
| Site:     | Strohauser F32-22D Pad Sec.32-T5N-R65W      | North Reference:             | True                                 |
| Well:     | Strohauser F32-22D                          | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Wellbore #1                                 |                              |                                      |
| Design:   | Noble Strohauser F32-22D Plan #1 (01-29-10) |                              |                                      |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 0.0                 | 0.00            | 0.00        | 0.0                 | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 40.0                | 0.00            | 0.00        | 40.0                | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 80.0                | 0.00            | 0.00        | 80.0                | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 120.0               | 0.00            | 0.00        | 120.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 160.0               | 0.00            | 0.00        | 160.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 200.0               | 0.00            | 0.00        | 200.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 240.0               | 0.00            | 0.00        | 240.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 280.0               | 0.00            | 0.00        | 280.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 320.0               | 0.00            | 0.00        | 320.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 360.0               | 0.00            | 0.00        | 360.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 400.0               | 0.00            | 0.00        | 400.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 440.0               | 0.00            | 0.00        | 440.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 480.0               | 0.00            | 0.00        | 480.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 520.0               | 0.00            | 0.00        | 520.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 560.0               | 0.00            | 0.00        | 560.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 600.0               | 0.00            | 0.00        | 600.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 640.0               | 0.00            | 0.00        | 640.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 680.0               | 0.00            | 0.00        | 680.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 720.0               | 0.00            | 0.00        | 720.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 760.0               | 0.00            | 0.00        | 760.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 800.0               | 0.00            | 0.00        | 800.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | 0.00                |
| 840.0               | 0.80            | 2.34        | 840.0               | 0.3        | 0.0        | 0.3                   | 2.00                  | 2.00                 | 0.00                |
| 880.0               | 1.60            | 2.34        | 880.0               | 1.1        | 0.0        | 1.1                   | 2.00                  | 2.00                 | 0.00                |
| 920.0               | 2.40            | 2.34        | 920.0               | 2.5        | 0.1        | 2.5                   | 2.00                  | 2.00                 | 0.00                |
| 960.0               | 3.20            | 2.34        | 959.9               | 4.5        | 0.2        | 4.5                   | 2.00                  | 2.00                 | 0.00                |
| 1,000.0             | 4.00            | 2.34        | 999.8               | 7.0        | 0.3        | 7.0                   | 2.00                  | 2.00                 | 0.00                |
| 1,040.0             | 4.80            | 2.34        | 1,039.7             | 10.0       | 0.4        | 10.0                  | 2.00                  | 2.00                 | 0.00                |
| 1,080.0             | 5.60            | 2.34        | 1,079.6             | 13.7       | 0.6        | 13.7                  | 2.00                  | 2.00                 | 0.00                |
| 1,120.0             | 6.40            | 2.34        | 1,119.3             | 17.8       | 0.7        | 17.9                  | 2.00                  | 2.00                 | 0.00                |
| 1,160.0             | 7.20            | 2.34        | 1,159.1             | 22.6       | 0.9        | 22.6                  | 2.00                  | 2.00                 | 0.00                |
| 1,200.0             | 8.00            | 2.34        | 1,198.7             | 27.9       | 1.1        | 27.9                  | 2.00                  | 2.00                 | 0.00                |
| 1,240.0             | 8.80            | 2.34        | 1,238.3             | 33.7       | 1.4        | 33.7                  | 2.00                  | 2.00                 | 0.00                |
| 1,280.0             | 9.60            | 2.34        | 1,277.8             | 40.1       | 1.6        | 40.1                  | 2.00                  | 2.00                 | 0.00                |
| 1,320.0             | 10.40           | 2.34        | 1,317.1             | 47.0       | 1.9        | 47.1                  | 2.00                  | 2.00                 | 0.00                |
| 1,360.0             | 11.20           | 2.34        | 1,356.4             | 54.5       | 2.2        | 54.6                  | 2.00                  | 2.00                 | 0.00                |
| 1,400.0             | 12.00           | 2.34        | 1,395.6             | 62.6       | 2.6        | 62.6                  | 2.00                  | 2.00                 | 0.00                |
| 1,440.0             | 12.80           | 2.34        | 1,434.7             | 71.1       | 2.9        | 71.2                  | 2.00                  | 2.00                 | 0.00                |
| 1,480.0             | 13.60           | 2.34        | 1,473.6             | 80.3       | 3.3        | 80.3                  | 2.00                  | 2.00                 | 0.00                |
| 1,520.0             | 14.40           | 2.34        | 1,512.4             | 89.9       | 3.7        | 90.0                  | 2.00                  | 2.00                 | 0.00                |
| 1,560.0             | 15.20           | 2.34        | 1,551.1             | 100.1      | 4.1        | 100.2                 | 2.00                  | 2.00                 | 0.00                |
| 1,600.0             | 16.00           | 2.34        | 1,589.6             | 110.9      | 4.5        | 111.0                 | 2.00                  | 2.00                 | 0.00                |
| 1,640.0             | 16.80           | 2.34        | 1,628.0             | 122.2      | 5.0        | 122.3                 | 2.00                  | 2.00                 | 0.00                |
| 1,680.0             | 17.60           | 2.34        | 1,666.2             | 134.0      | 5.5        | 134.1                 | 2.00                  | 2.00                 | 0.00                |
| 1,682.6             | 17.65           | 2.34        | 1,668.7             | 134.8      | 5.5        | 134.9                 | 2.00                  | 2.00                 | 0.00                |
| 1,720.0             | 17.65           | 2.34        | 1,704.3             | 146.1      | 6.0        | 146.2                 | 0.00                  | 0.00                 | 0.00                |
| 1,760.0             | 17.65           | 2.34        | 1,742.5             | 158.2      | 6.5        | 158.4                 | 0.00                  | 0.00                 | 0.00                |
| 1,800.0             | 17.65           | 2.34        | 1,780.6             | 170.3      | 7.0        | 170.5                 | 0.00                  | 0.00                 | 0.00                |
| 1,840.0             | 17.65           | 2.34        | 1,818.7             | 182.5      | 7.5        | 182.6                 | 0.00                  | 0.00                 | 0.00                |
| 1,880.0             | 17.65           | 2.34        | 1,856.8             | 194.6      | 8.0        | 194.7                 | 0.00                  | 0.00                 | 0.00                |
| 1,920.0             | 17.65           | 2.34        | 1,894.9             | 206.7      | 8.4        | 206.9                 | 0.00                  | 0.00                 | 0.00                |
| 1,960.0             | 17.65           | 2.34        | 1,933.0             | 218.8      | 8.9        | 219.0                 | 0.00                  | 0.00                 | 0.00                |
| 2,000.0             | 17.65           | 2.34        | 1,971.2             | 230.9      | 9.4        | 231.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,040.0             | 17.65           | 2.34        | 2,009.3             | 243.1      | 9.9        | 243.3                 | 0.00                  | 0.00                 | 0.00                |
| 2,080.0             | 17.65           | 2.34        | 2,047.4             | 255.2      | 10.4       | 255.4                 | 0.00                  | 0.00                 | 0.00                |

|                  |  |                                     |                                      |
|------------------|--|-------------------------------------|--------------------------------------|
| <b>Database:</b> | EDM den0-adp01 Server Data                 | <b>Local Co-ordinate Reference:</b> | Well Strohauer F32-22D               |
| <b>Company:</b>  | NOBLE ENERGY INC WELD COUNTY CO            | <b>TVD Reference:</b>               | WELL @ 4681.0ft (Original Well Elev) |
| <b>Project:</b>  | SEC.32-T5N-R65W                            | <b>MD Reference:</b>                | WELL @ 4681.0ft (Original Well Elev) |
| <b>Site:</b>     | Strohauer F32-22D Pad Sec.32-T5N-R65W      | <b>North Reference:</b>             | True                                 |
| <b>Well:</b>     | Strohauer F32-22D                          | <b>Survey Calculation Method:</b>   | Minimum Curvature                    |
| <b>Wellbore:</b> | Wellbore #1                                |                                     |                                      |
| <b>Design:</b>   | Noble Strohauer F32-22D Plan #1 (01-29-10) |                                     |                                      |

**Planned Survey**

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 2,120.0             | 17.65           | 2.34        | 2,085.5             | 267.3      | 10.9       | 267.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,160.0             | 17.65           | 2.34        | 2,123.6             | 279.4      | 11.4       | 279.6                 | 0.00                  | 0.00                 | 0.00                |
| 2,200.0             | 17.65           | 2.34        | 2,161.7             | 291.5      | 11.9       | 291.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,240.0             | 17.65           | 2.34        | 2,199.9             | 303.6      | 12.4       | 303.9                 | 0.00                  | 0.00                 | 0.00                |
| 2,280.0             | 17.65           | 2.34        | 2,238.0             | 315.8      | 12.9       | 316.0                 | 0.00                  | 0.00                 | 0.00                |
| 2,320.0             | 17.65           | 2.34        | 2,276.1             | 327.9      | 13.4       | 328.2                 | 0.00                  | 0.00                 | 0.00                |
| 2,360.0             | 17.65           | 2.34        | 2,314.2             | 340.0      | 13.9       | 340.3                 | 0.00                  | 0.00                 | 0.00                |
| 2,400.0             | 17.65           | 2.34        | 2,352.3             | 352.1      | 14.4       | 352.4                 | 0.00                  | 0.00                 | 0.00                |
| 2,440.0             | 17.65           | 2.34        | 2,390.4             | 364.2      | 14.9       | 364.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,480.0             | 17.65           | 2.34        | 2,428.6             | 376.4      | 15.4       | 376.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,520.0             | 17.65           | 2.34        | 2,466.7             | 388.5      | 15.9       | 388.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,560.0             | 17.65           | 2.34        | 2,504.8             | 400.6      | 16.4       | 400.9                 | 0.00                  | 0.00                 | 0.00                |
| 2,600.0             | 17.65           | 2.34        | 2,542.9             | 412.7      | 16.9       | 413.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,640.0             | 17.65           | 2.34        | 2,581.0             | 424.8      | 17.4       | 425.2                 | 0.00                  | 0.00                 | 0.00                |
| 2,680.0             | 17.65           | 2.34        | 2,619.1             | 437.0      | 17.9       | 437.3                 | 0.00                  | 0.00                 | 0.00                |
| 2,720.0             | 17.65           | 2.34        | 2,657.3             | 449.1      | 18.4       | 449.5                 | 0.00                  | 0.00                 | 0.00                |
| 2,760.0             | 17.65           | 2.34        | 2,695.4             | 461.2      | 18.8       | 461.6                 | 0.00                  | 0.00                 | 0.00                |
| 2,800.0             | 17.65           | 2.34        | 2,733.5             | 473.3      | 19.3       | 473.7                 | 0.00                  | 0.00                 | 0.00                |
| 2,840.0             | 17.65           | 2.34        | 2,771.6             | 485.4      | 19.8       | 485.8                 | 0.00                  | 0.00                 | 0.00                |
| 2,880.0             | 17.65           | 2.34        | 2,809.7             | 497.6      | 20.3       | 498.0                 | 0.00                  | 0.00                 | 0.00                |
| 2,920.0             | 17.65           | 2.34        | 2,847.8             | 509.7      | 20.8       | 510.1                 | 0.00                  | 0.00                 | 0.00                |
| 2,960.0             | 17.65           | 2.34        | 2,886.0             | 521.8      | 21.3       | 522.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,000.0             | 17.65           | 2.34        | 2,924.1             | 533.9      | 21.8       | 534.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,040.0             | 17.65           | 2.34        | 2,962.2             | 546.0      | 22.3       | 546.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,080.0             | 17.65           | 2.34        | 3,000.3             | 558.1      | 22.8       | 558.6                 | 0.00                  | 0.00                 | 0.00                |
| 3,120.0             | 17.65           | 2.34        | 3,038.4             | 570.3      | 23.3       | 570.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,160.0             | 17.65           | 2.34        | 3,076.5             | 582.4      | 23.8       | 582.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,200.0             | 17.65           | 2.34        | 3,114.7             | 594.5      | 24.3       | 595.0                 | 0.00                  | 0.00                 | 0.00                |
| 3,240.0             | 17.65           | 2.34        | 3,152.8             | 606.6      | 24.8       | 607.1                 | 0.00                  | 0.00                 | 0.00                |
| 3,280.0             | 17.65           | 2.34        | 3,190.9             | 618.7      | 25.3       | 619.3                 | 0.00                  | 0.00                 | 0.00                |
| 3,320.0             | 17.65           | 2.34        | 3,229.0             | 630.9      | 25.8       | 631.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,360.0             | 17.65           | 2.34        | 3,267.1             | 643.0      | 26.3       | 643.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,400.0             | 17.65           | 2.34        | 3,305.2             | 655.1      | 26.8       | 655.6                 | 0.00                  | 0.00                 | 0.00                |
| 3,440.0             | 17.65           | 2.34        | 3,343.4             | 667.2      | 27.3       | 667.8                 | 0.00                  | 0.00                 | 0.00                |
| 3,480.0             | 17.65           | 2.34        | 3,381.5             | 679.3      | 27.8       | 679.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,520.0             | 17.65           | 2.34        | 3,419.6             | 691.5      | 28.3       | 692.0                 | 0.00                  | 0.00                 | 0.00                |
| 3,560.0             | 17.65           | 2.34        | 3,457.7             | 703.6      | 28.8       | 704.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,600.0             | 17.65           | 2.34        | 3,495.8             | 715.7      | 29.2       | 716.3                 | 0.00                  | 0.00                 | 0.00                |
| 3,640.0             | 17.65           | 2.34        | 3,533.9             | 727.8      | 29.7       | 728.4                 | 0.00                  | 0.00                 | 0.00                |
| 3,680.0             | 17.65           | 2.34        | 3,572.1             | 739.9      | 30.2       | 740.5                 | 0.00                  | 0.00                 | 0.00                |
| 3,720.0             | 17.65           | 2.34        | 3,610.2             | 752.0      | 30.7       | 752.7                 | 0.00                  | 0.00                 | 0.00                |
| 3,760.0             | 17.65           | 2.34        | 3,648.3             | 764.2      | 31.2       | 764.8                 | 0.00                  | 0.00                 | 0.00                |
| 3,800.0             | 17.65           | 2.34        | 3,686.4             | 776.3      | 31.7       | 776.9                 | 0.00                  | 0.00                 | 0.00                |
| 3,840.0             | 17.65           | 2.34        | 3,724.5             | 788.4      | 32.2       | 789.1                 | 0.00                  | 0.00                 | 0.00                |
| 3,880.0             | 17.65           | 2.34        | 3,762.6             | 800.5      | 32.7       | 801.2                 | 0.00                  | 0.00                 | 0.00                |
| 3,920.0             | 17.65           | 2.34        | 3,800.8             | 812.6      | 33.2       | 813.3                 | 0.00                  | 0.00                 | 0.00                |
| 3,960.0             | 17.65           | 2.34        | 3,838.9             | 824.8      | 33.7       | 825.4                 | 0.00                  | 0.00                 | 0.00                |
| 4,000.0             | 17.65           | 2.34        | 3,877.0             | 836.9      | 34.2       | 837.6                 | 0.00                  | 0.00                 | 0.00                |
| 4,040.0             | 17.65           | 2.34        | 3,915.1             | 849.0      | 34.7       | 849.7                 | 0.00                  | 0.00                 | 0.00                |
| 4,080.0             | 17.65           | 2.34        | 3,953.2             | 861.1      | 35.2       | 861.8                 | 0.00                  | 0.00                 | 0.00                |
| 4,120.0             | 17.65           | 2.34        | 3,991.3             | 873.2      | 35.7       | 874.0                 | 0.00                  | 0.00                 | 0.00                |
| 4,160.0             | 17.65           | 2.34        | 4,029.5             | 885.4      | 36.2       | 886.1                 | 0.00                  | 0.00                 | 0.00                |
| 4,200.0             | 17.65           | 2.34        | 4,067.6             | 897.5      | 36.7       | 898.2                 | 0.00                  | 0.00                 | 0.00                |
| 4,240.0             | 17.65           | 2.34        | 4,105.7             | 909.6      | 37.2       | 910.4                 | 0.00                  | 0.00                 | 0.00                |

|           |  |                              |                                      |
|-----------|--|------------------------------|--------------------------------------|
| Database: | EDM den0-adp01 Server Data                 | Local Co-ordinate Reference: | Well Strohauer F32-22D               |
| Company:  | NOBLE ENERGY INC WELD COUNTY CO            | TVD Reference:               | WELL @ 4681.0ft (Original Well Elev) |
| Project:  | SEC.32-T5N-R65W                            | MD Reference:                | WELL @ 4681.0ft (Original Well Elev) |
| Site:     | Strohauer F32-22D Pad Sec.32-T5N-R65W      | North Reference:             | True                                 |
| Well:     | Strohauer F32-22D                          | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Wellbore #1                                |                              |                                      |
| Design:   | Noble Strohauer F32-22D Plan #1 (01-29-10) |                              |                                      |

| Planned Survey      |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 4,280.0             | 17.65           | 2.34        | 4,143.8             | 921.7      | 37.7       | 922.5                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,320.0             | 17.65           | 2.34        | 4,181.9             | 933.8      | 38.2       | 934.6                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,360.0             | 17.65           | 2.34        | 4,220.0             | 945.9      | 38.7       | 946.7                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,400.0             | 17.65           | 2.34        | 4,258.2             | 958.1      | 39.1       | 958.9                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,440.0             | 17.65           | 2.34        | 4,296.3             | 970.2      | 39.6       | 971.0                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,480.0             | 17.65           | 2.34        | 4,334.4             | 982.3      | 40.1       | 983.1                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,520.0             | 17.65           | 2.34        | 4,372.5             | 994.4      | 40.6       | 995.3                 | 0.00                  | 0.00                 | 0.00                |  |
| 4,560.0             | 17.65           | 2.34        | 4,410.6             | 1,006.5    | 41.1       | 1,007.4               | 0.00                  | 0.00                 | 0.00                |  |
| 4,600.0             | 17.65           | 2.34        | 4,448.8             | 1,018.7    | 41.6       | 1,019.5               | 0.00                  | 0.00                 | 0.00                |  |
| 4,640.0             | 17.65           | 2.34        | 4,486.9             | 1,030.8    | 42.1       | 1,031.6               | 0.00                  | 0.00                 | 0.00                |  |
| 4,680.0             | 17.65           | 2.34        | 4,525.0             | 1,042.9    | 42.6       | 1,043.8               | 0.00                  | 0.00                 | 0.00                |  |
| 4,720.0             | 17.65           | 2.34        | 4,563.1             | 1,055.0    | 43.1       | 1,055.9               | 0.00                  | 0.00                 | 0.00                |  |
| 4,760.0             | 17.65           | 2.34        | 4,601.2             | 1,067.1    | 43.6       | 1,068.0               | 0.00                  | 0.00                 | 0.00                |  |
| 4,800.0             | 17.65           | 2.34        | 4,639.3             | 1,079.3    | 44.1       | 1,080.2               | 0.00                  | 0.00                 | 0.00                |  |
| 4,840.0             | 17.65           | 2.34        | 4,677.5             | 1,091.4    | 44.6       | 1,092.3               | 0.00                  | 0.00                 | 0.00                |  |
| 4,880.0             | 17.65           | 2.34        | 4,715.6             | 1,103.5    | 45.1       | 1,104.4               | 0.00                  | 0.00                 | 0.00                |  |
| 4,920.0             | 17.65           | 2.34        | 4,753.7             | 1,115.6    | 45.6       | 1,116.5               | 0.00                  | 0.00                 | 0.00                |  |
| 4,960.0             | 17.65           | 2.34        | 4,791.8             | 1,127.7    | 46.1       | 1,128.7               | 0.00                  | 0.00                 | 0.00                |  |
| 5,000.0             | 17.65           | 2.34        | 4,829.9             | 1,139.9    | 46.6       | 1,140.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,040.0             | 17.65           | 2.34        | 4,868.0             | 1,152.0    | 47.1       | 1,152.9               | 0.00                  | 0.00                 | 0.00                |  |
| 5,080.0             | 17.65           | 2.34        | 4,906.2             | 1,164.1    | 47.6       | 1,165.1               | 0.00                  | 0.00                 | 0.00                |  |
| 5,120.0             | 17.65           | 2.34        | 4,944.3             | 1,176.2    | 48.1       | 1,177.2               | 0.00                  | 0.00                 | 0.00                |  |
| 5,160.0             | 17.65           | 2.34        | 4,982.4             | 1,188.3    | 48.6       | 1,189.3               | 0.00                  | 0.00                 | 0.00                |  |
| 5,200.0             | 17.65           | 2.34        | 5,020.5             | 1,200.4    | 49.1       | 1,201.4               | 0.00                  | 0.00                 | 0.00                |  |
| 5,240.0             | 17.65           | 2.34        | 5,058.6             | 1,212.6    | 49.5       | 1,213.6               | 0.00                  | 0.00                 | 0.00                |  |
| 5,280.0             | 17.65           | 2.34        | 5,096.7             | 1,224.7    | 50.0       | 1,225.7               | 0.00                  | 0.00                 | 0.00                |  |
| 5,320.0             | 17.65           | 2.34        | 5,134.9             | 1,236.8    | 50.5       | 1,237.8               | 0.00                  | 0.00                 | 0.00                |  |
| 5,360.0             | 17.65           | 2.34        | 5,173.0             | 1,248.9    | 51.0       | 1,250.0               | 0.00                  | 0.00                 | 0.00                |  |
| 5,400.0             | 17.65           | 2.34        | 5,211.1             | 1,261.0    | 51.5       | 1,262.1               | 0.00                  | 0.00                 | 0.00                |  |
| 5,440.0             | 17.65           | 2.34        | 5,249.2             | 1,273.2    | 52.0       | 1,274.2               | 0.00                  | 0.00                 | 0.00                |  |
| 5,480.0             | 17.65           | 2.34        | 5,287.3             | 1,285.3    | 52.5       | 1,286.4               | 0.00                  | 0.00                 | 0.00                |  |
| 5,520.0             | 17.65           | 2.34        | 5,325.4             | 1,297.4    | 53.0       | 1,298.5               | 0.00                  | 0.00                 | 0.00                |  |
| 5,526.2             | 17.65           | 2.34        | 5,331.3             | 1,299.3    | 53.1       | 1,300.4               | 0.00                  | 0.00                 | 0.00                |  |
| 5,560.0             | 16.97           | 2.34        | 5,363.6             | 1,309.3    | 53.5       | 1,310.4               | 2.00                  | -2.00                | 0.00                |  |
| 5,600.0             | 16.17           | 2.34        | 5,402.0             | 1,320.7    | 54.0       | 1,321.8               | 2.00                  | -2.00                | 0.00                |  |
| 5,640.0             | 15.37           | 2.34        | 5,440.4             | 1,331.6    | 54.4       | 1,332.7               | 2.00                  | -2.00                | 0.00                |  |
| 5,680.0             | 14.57           | 2.34        | 5,479.1             | 1,341.9    | 54.8       | 1,343.0               | 2.00                  | -2.00                | 0.00                |  |
| 5,720.0             | 13.77           | 2.34        | 5,517.9             | 1,351.7    | 55.2       | 1,352.8               | 2.00                  | -2.00                | 0.00                |  |
| 5,760.0             | 12.97           | 2.34        | 5,556.8             | 1,361.0    | 55.6       | 1,362.1               | 2.00                  | -2.00                | 0.00                |  |
| 5,800.0             | 12.17           | 2.34        | 5,595.8             | 1,369.7    | 56.0       | 1,370.8               | 2.00                  | -2.00                | 0.00                |  |
| 5,840.0             | 11.37           | 2.34        | 5,635.0             | 1,377.8    | 56.3       | 1,379.0               | 2.00                  | -2.00                | 0.00                |  |
| 5,880.0             | 10.57           | 2.34        | 5,674.2             | 1,385.4    | 56.6       | 1,386.6               | 2.00                  | -2.00                | 0.00                |  |
| 5,920.0             | 9.77            | 2.34        | 5,713.6             | 1,392.5    | 56.9       | 1,393.6               | 2.00                  | -2.00                | 0.00                |  |
| 5,960.0             | 8.97            | 2.34        | 5,753.1             | 1,399.0    | 57.2       | 1,400.2               | 2.00                  | -2.00                | 0.00                |  |
| 6,000.0             | 8.17            | 2.34        | 5,792.6             | 1,404.9    | 57.4       | 1,406.1               | 2.00                  | -2.00                | 0.00                |  |
| 6,040.0             | 7.37            | 2.34        | 5,832.3             | 1,410.4    | 57.6       | 1,411.5               | 2.00                  | -2.00                | 0.00                |  |
| 6,080.0             | 6.57            | 2.34        | 5,872.0             | 1,415.2    | 57.8       | 1,416.4               | 2.00                  | -2.00                | 0.00                |  |
| 6,120.0             | 5.77            | 2.34        | 5,911.7             | 1,419.5    | 58.0       | 1,420.7               | 2.00                  | -2.00                | 0.00                |  |
| 6,160.0             | 4.97            | 2.34        | 5,951.6             | 1,423.2    | 58.2       | 1,424.4               | 2.00                  | -2.00                | 0.00                |  |
| 6,200.0             | 4.17            | 2.34        | 5,991.4             | 1,426.4    | 58.3       | 1,427.6               | 2.00                  | -2.00                | 0.00                |  |
| 6,240.0             | 3.37            | 2.34        | 6,031.3             | 1,429.1    | 58.4       | 1,430.3               | 2.00                  | -2.00                | 0.00                |  |
| 6,280.0             | 2.57            | 2.34        | 6,071.3             | 1,431.1    | 58.5       | 1,432.3               | 2.00                  | -2.00                | 0.00                |  |
| 6,320.0             | 1.77            | 2.34        | 6,111.3             | 1,432.7    | 58.5       | 1,433.9               | 2.00                  | -2.00                | 0.00                |  |
| 6,360.0             | 0.97            | 2.34        | 6,151.3             | 1,433.6    | 58.6       | 1,434.8               | 2.00                  | -2.00                | 0.00                |  |

|           |   |                              |                                      |
|-----------|---|------------------------------|--------------------------------------|
| Database: | EDM den0-adp01 Server Data                  | Local Co-ordinate Reference: | Well Strohauser F32-22D              |
| Company:  | NOBLE ENERGY INC WELD COUNTY CO             | TVD Reference:               | WELL @ 4681.0ft (Original Well Elev) |
| Project:  | SEC.32-T5N-R65W                             | MD Reference:                | WELL @ 4681.0ft (Original Well Elev) |
| Site:     | Strohauser F32-22D Pad Sec.32-T5N-R65W      | North Reference:             | True                                 |
| Well:     | Strohauser F32-22D                          | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Wellbore #1                                 |                              |                                      |
| Design:   | Noble Strohauser F32-22D Plan #1 (01-29-10) |                              |                                      |

Planned Survey

| Measured Depth (ft)                                | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
|--|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 6,400.0  | 0.17            | 2.34        | 6,191.3             | 1,434.0    | 58.6       | 1,435.2               | 2.00                  | -2.00                | 0.00                |
| 6,408.7  | 0.00            | 0.00        | 6,200.0             | 1,434.0    | 58.6       | 1,435.2               | 2.00                  | -2.00                | -26.74              |
| <b>TARGET BHL 2585'FNL, 1320'FEL</b>               |                 |             |                     |            |            |                       |                       |                      |                     |
| 6,440.0  | 0.00            | 0.00        | 6,231.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,480.0  | 0.00            | 0.00        | 6,271.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,520.0  | 0.00            | 0.00        | 6,311.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,560.0  | 0.00            | 0.00        | 6,351.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,600.0  | 0.00            | 0.00        | 6,391.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,640.0  | 0.00            | 0.00        | 6,431.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,680.0  | 0.00            | 0.00        | 6,471.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,720.0  | 0.00            | 0.00        | 6,511.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,760.0  | 0.00            | 0.00        | 6,551.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,800.0  | 0.00            | 0.00        | 6,591.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,840.0  | 0.00            | 0.00        | 6,631.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,880.0  | 0.00            | 0.00        | 6,671.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,920.0  | 0.00            | 0.00        | 6,711.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,960.0  | 0.00            | 0.00        | 6,751.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 6,969.7  | 0.00            | 0.00        | 6,761.0             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| <b>NIOBARRA - TARGET CIRCLE 2585'FNL, 1320'FEL</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,000.0  | 0.00            | 0.00        | 6,791.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,040.0  | 0.00            | 0.00        | 6,831.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,080.0  | 0.00            | 0.00        | 6,871.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,120.0  | 0.00            | 0.00        | 6,911.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,160.0  | 0.00            | 0.00        | 6,951.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,200.0  | 0.00            | 0.00        | 6,991.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,240.0  | 0.00            | 0.00        | 7,031.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,280.0  | 0.00            | 0.00        | 7,071.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,309.7  | 0.00            | 0.00        | 7,101.0             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| <b>CODELL</b>                                      |                 |             |                     |            |            |                       |                       |                      |                     |
| 7,320.0  | 0.00            | 0.00        | 7,111.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,360.0  | 0.00            | 0.00        | 7,151.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,400.0  | 0.00            | 0.00        | 7,191.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,440.0  | 0.00            | 0.00        | 7,231.3             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| 7,459.7  | 0.00            | 0.00        | 7,251.0             | 1,434.0    | 58.6       | 1,435.2               | 0.00                  | 0.00                 | 0.00                |
| <b>HARDLINE 75'S OF STROHAUSER F32-22D BHL</b>     |                 |             |                     |            |            |                       |                       |                      |                     |

|           |  |                              |                                      |
|-----------|--|------------------------------|--------------------------------------|
| Database: | EDM den0-adp01 Server Data                 | Local Co-ordinate Reference: | Well Strohauer F32-22D               |
| Company:  | NOBLE ENERGY INC WELD COUNTY CO            | TVD Reference:               | WELL @ 4681.0ft (Original Well Elev) |
| Project:  | SEC.32-T5N-R65W                            | MD Reference:                | WELL @ 4681.0ft (Original Well Elev) |
| Site:     | Strohauer F32-22D Pad Sec.32-T5N-R65W      | North Reference:             | True                                 |
| Well:     | Strohauer F32-22D                          | Survey Calculation Method:   | Minimum Curvature                    |
| Wellbore: | Wellbore #1                                |                              |                                      |
| Design:   | Noble Strohauer F32-22D Plan #1 (01-29-10) |                              |                                      |

**Targets**

| Target Name<br>- hit/miss target<br>- Shape   | Dip Angle<br>(°) | Dip Dir.<br>(°) | TVD<br>(ft) | +N/-S<br>(ft) | +E/-W<br>(ft) | Northing<br>(ft) | Easting<br>(ft) | Latitude         | Longitude         |
|---|------------------|-----------------|-------------|---------------|---------------|------------------|-----------------|------------------|-------------------|
| TARGET CIRCLE 25ft<br>- plan hits target center<br>- Circle (radius 75.0)   | 0.00             | 0.00            | 6,761.0     | 1,434.0       | 58.6          | 1,373,568.91     | 3,227,787.93    | 40° 21' 21.478 N | 104° 40' 57.503 W |
| HARDLINE 75'S OF 5<br>- plan misses target center by 125.0ft at 7459.7ft MD (7251.0 TVD, 1434.0 N, 58.6 E)<br>- Polygon<br>Point 1<br>Point 2 | 0.00             | 0.00            | 7,251.0     | 1,359.0       | -41.4         | 1,373,493.00     | 3,227,688.63    | 40° 21' 20.737 N | 104° 40' 58.795 W |
| TARGET BHL 2585'F<br>- plan hits target center<br>- Point   | 0.00             | 0.00            | 6,200.0     | 1,434.0       | 58.6          | 1,373,568.95     | 3,227,787.93    | 40° 21' 21.479 N | 104° 40' 57.503 W |

**Formations**

| Measured Depth<br>(ft) | Vertical Depth<br>(ft) | Name    | Lithology | Dip<br>(°) | Dip Direction<br>(°) |
|------------------------|------------------------|---------|-----------|------------|----------------------|
| 6,969.7                | 6,761.0                | NIORARA |           | 0.00       |                      |
| 7,309.7                | 7,101.0                | CODELL  |           | 0.00       |                      |