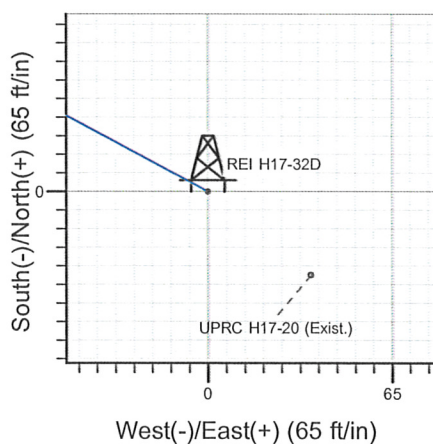
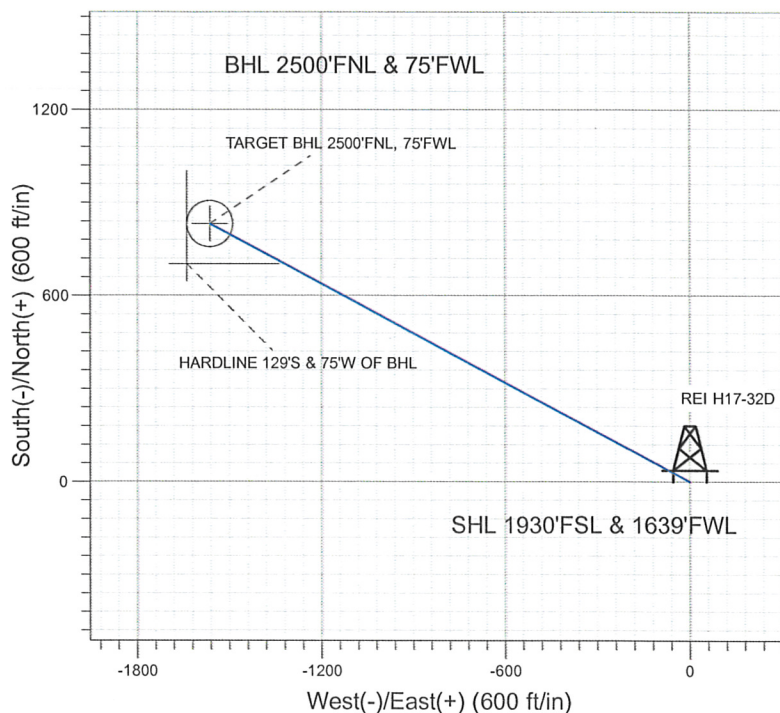
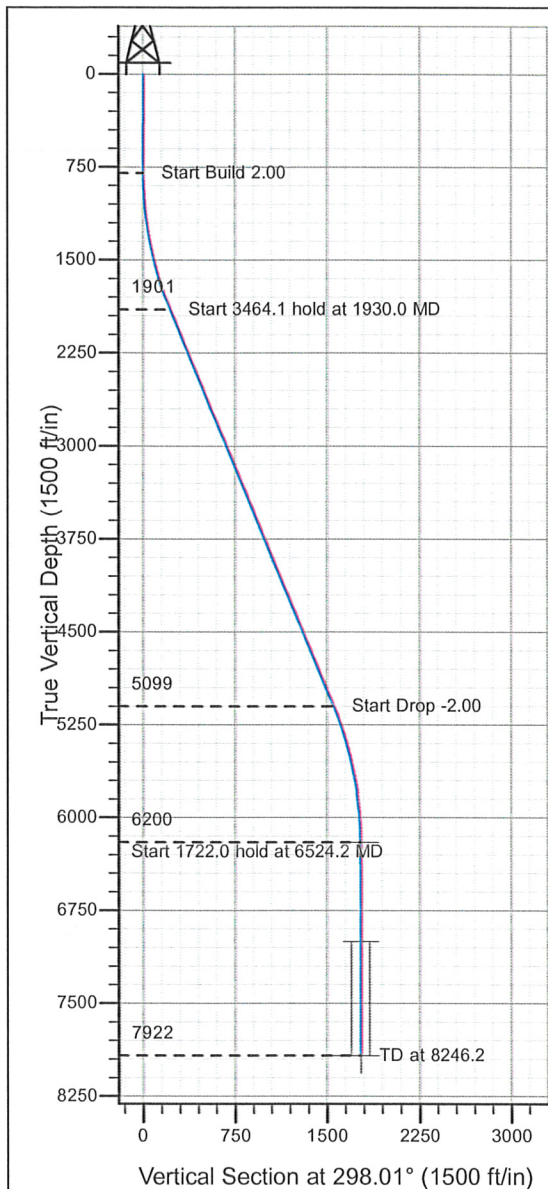


Well Name: REI H17-32D

Surface Location: REI H17-32D Pad Sec.17-T3N-R65W
 North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone
 Ground Elevation: 4919.0
 +N/-S+E/-W Northing Easting Latitude Longitude Slot
 0.0 0.01325286.41 3225909.58 40° 13' 24.528 N 104° 41' 27.456 W
 Original Well Elev WELL @ 4932.0ft (Original Well Elev)

NOBLE ENERGY INC WELD COUNTY CO



REI H17-32D Pad Sec.17-T3N-R65W
 REI H17-32D
 Noble REI H17-32D Plan #1 (02-05-10)
 16:33, February 05 2010



Azimuths to True North
 Magnetic North: 8.97°
 Magnetic Field
 Strength: 53218.5snT
 Dip Angle: 66.98°
 Date: 12/31/2009
 Model: IGRF200510

WELLBORE TARGET DETAILS (LAT/LONG)

| Name | TVD | +N/-S | +E/-W | Latitude | Longitude | Shape |
|--------------------------------|--------|-------|---------|------------------|-------------------|-----------------------|
| TARGET BHL 2500'FNL, 75'FWL | 6200.0 | 831.7 | -1563.8 | 40° 13' 32.747 N | 104° 41' 47.617 W | Point |
| TARGET CIRCLE 2500'FNL, 75'FWL | 7002.0 | 831.7 | -1563.8 | 40° 13' 32.746 N | 104° 41' 47.617 W | Circle (Radius: 75.0) |
| HARDLINE 129'S & 75'W OF BHL | 7922.0 | 702.7 | -1638.8 | 40° 13' 31.471 N | 104° 41' 48.584 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 | 1930.0 | 22.60 | 298.01 | 1900.9 | 103.3 | -194.2 | 2.00 | 298.01 | 220.0 | |
| 4 | 5394.2 | 22.60 | 298.01 | 5099.1 | 728.4 | -1369.6 | 0.00 | 0.00 | 1551.3 | |
| 5 | 6524.2 | 0.00 | 0.00 | 6200.0 | 831.7 | -1563.8 | 2.00 | 180.00 | 1771.2 | TARGET BHL 2500'FNL, 75'FWL |
| 6 | 8246.2 | 0.00 | 0.00 | 7922.0 | 831.7 | -1563.8 | 0.00 | 0.00 | 1771.2 | |



Directional

**NOBLE ENERGY INC WELD
COUNTY CO**

SEC.17-T3N-R65W

REI H17-32D Pad Sec.17-T3N-R65W

REI H17-32D

Wellbore #1

Plan: Noble REI H17-32D Plan #1 (02-05-10)

Standard Planning Report

05 February, 2010



Database: EDM den0-adp01 Server Data
 Company: NOBLE ENERGY INC WELD COUNTY CO
 Project: SEC.17-T3N-R65W
 Site: REI H17-32D Pad Sec.17-T3N-R65W
 Well: REI H17-32D
 Wellbore: Wellbore #1
 Design: Noble REI H17-32D Plan #1 (02-05-10)

Local Co-ordinate Reference: Well REI H17-32D
 TVD Reference: WELL @ 4932.0ft (Original Well Elev)
 MD Reference: WELL @ 4932.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

Project SEC.17-T3N-R65W, Weld County, Colorado

Map System: US State Plane 1983
Geo Datum: North American Datum 1983
Map Zone: Colorado Northern Zone

System Datum: Mean Sea Level
 Using geodetic scale factor

Site REI H17-32D Pad Sec.17-T3N-R65W

Site Position: Northing: 1,325,286.41 ft Latitude: 40° 13' 24.528 N
From: Lat/Long Easting: 3,225,909.58 ft Longitude: 104° 41' 27.456 W
Position Uncertainty: 0.0 ft Slot Radius: " Grid Convergence: 0.52 °

Well REI H17-32D

Well Position +N/-S 0.0 ft Northing: 1,325,286.41 ft Latitude: 40° 13' 24.528 N
 +E/-W 0.0 ft Easting: 3,225,909.58 ft Longitude: 104° 41' 27.456 W
Position Uncertainty 0.0 ft Wellhead Elevation: ft Ground Level: 4,919.0 ft

Wellbore Wellbore #1

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | IGRF200510 | 12/31/2009 | 8.97 | 66.98 | 53,219 |

Design Noble REI H17-32D Plan #1 (02-05-10)

Audit Notes:

Version: Phase: PROTOTYPE Tie On Depth: 0.0

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|-------------------|-----------------------|------------|------------|---------------|
| | 0.0 | 0.0 | 0.0 | 298.01 |

Plan Sections

| 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 | |
| 1,930.0 | 22.60 | 298.01 | 1,900.9 | 103.3 | -194.2 | 2.00 | 2.00 | 0.00 | 298.01 | |
| 5,394.2 | 22.60 | 298.01 | 5,099.1 | 728.4 | -1,369.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,524.2 | 0.00 | 0.00 | 6,200.0 | 831.7 | -1,563.8 | 2.00 | -2.00 | 0.00 | 180.00 | TARGET BHL 250C |
| 8,246.2 | 0.00 | 0.00 | 7,922.0 | 831.7 | -1,563.8 | 0.00 | 0.00 | 0.00 | 0.00 | |

Database: EDM den0-adp01 Server Data
 Company: NOBLE ENERGY INC WELD COUNTY CO
 Project: SEC.17-T3N-R65W
 Site: REI H17-32D Pad Sec.17-T3N-R65W
 Well: REI H17-32D
 Wellbore: Wellbore #1
 Design: Noble REI H17-32D Plan #1 (02-05-10)

Local Co-ordinate Reference: Well REI H17-32D
 TVD Reference: WELL @ 4932.0ft (Original Well Elev)
 MD Reference: WELL @ 4932.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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 | 298.01 | 840.0 | 0.1 | -0.2 | 0.3 | 2.00 | 2.00 | 0.00 |
| 880.0 | 1.60 | 298.01 | 880.0 | 0.5 | -1.0 | 1.1 | 2.00 | 2.00 | 0.00 |
| 920.0 | 2.40 | 298.01 | 920.0 | 1.2 | -2.2 | 2.5 | 2.00 | 2.00 | 0.00 |
| 960.0 | 3.20 | 298.01 | 959.9 | 2.1 | -3.9 | 4.5 | 2.00 | 2.00 | 0.00 |
| 1,000.0 | 4.00 | 298.01 | 999.8 | 3.3 | -6.2 | 7.0 | 2.00 | 2.00 | 0.00 |
| 1,040.0 | 4.80 | 298.01 | 1,039.7 | 4.7 | -8.9 | 10.0 | 2.00 | 2.00 | 0.00 |
| 1,080.0 | 5.60 | 298.01 | 1,079.6 | 6.4 | -12.1 | 13.7 | 2.00 | 2.00 | 0.00 |
| 1,120.0 | 6.40 | 298.01 | 1,119.3 | 8.4 | -15.8 | 17.9 | 2.00 | 2.00 | 0.00 |
| 1,160.0 | 7.20 | 298.01 | 1,159.1 | 10.6 | -19.9 | 22.6 | 2.00 | 2.00 | 0.00 |
| 1,200.0 | 8.00 | 298.01 | 1,198.7 | 13.1 | -24.6 | 27.9 | 2.00 | 2.00 | 0.00 |
| 1,240.0 | 8.80 | 298.01 | 1,238.3 | 15.8 | -29.8 | 33.7 | 2.00 | 2.00 | 0.00 |
| 1,280.0 | 9.60 | 298.01 | 1,277.8 | 18.8 | -35.4 | 40.1 | 2.00 | 2.00 | 0.00 |
| 1,320.0 | 10.40 | 298.01 | 1,317.1 | 22.1 | -41.6 | 47.1 | 2.00 | 2.00 | 0.00 |
| 1,360.0 | 11.20 | 298.01 | 1,356.4 | 25.6 | -48.2 | 54.6 | 2.00 | 2.00 | 0.00 |
| 1,400.0 | 12.00 | 298.01 | 1,395.6 | 29.4 | -55.3 | 62.6 | 2.00 | 2.00 | 0.00 |
| 1,440.0 | 12.80 | 298.01 | 1,434.7 | 33.4 | -62.9 | 71.2 | 2.00 | 2.00 | 0.00 |
| 1,480.0 | 13.60 | 298.01 | 1,473.6 | 37.7 | -70.9 | 80.3 | 2.00 | 2.00 | 0.00 |
| 1,520.0 | 14.40 | 298.01 | 1,512.4 | 42.3 | -79.5 | 90.0 | 2.00 | 2.00 | 0.00 |
| 1,560.0 | 15.20 | 298.01 | 1,551.1 | 47.1 | -88.5 | 100.2 | 2.00 | 2.00 | 0.00 |
| 1,600.0 | 16.00 | 298.01 | 1,589.6 | 52.1 | -98.0 | 111.0 | 2.00 | 2.00 | 0.00 |
| 1,640.0 | 16.80 | 298.01 | 1,628.0 | 57.4 | -108.0 | 122.3 | 2.00 | 2.00 | 0.00 |
| 1,680.0 | 17.60 | 298.01 | 1,666.2 | 63.0 | -118.4 | 134.1 | 2.00 | 2.00 | 0.00 |
| 1,720.0 | 18.40 | 298.01 | 1,704.3 | 68.8 | -129.3 | 146.5 | 2.00 | 2.00 | 0.00 |
| 1,760.0 | 19.20 | 298.01 | 1,742.1 | 74.8 | -140.7 | 159.3 | 2.00 | 2.00 | 0.00 |
| 1,800.0 | 20.00 | 298.01 | 1,779.8 | 81.1 | -152.5 | 172.8 | 2.00 | 2.00 | 0.00 |
| 1,840.0 | 20.80 | 298.01 | 1,817.3 | 87.7 | -164.8 | 186.7 | 2.00 | 2.00 | 0.00 |
| 1,880.0 | 21.60 | 298.01 | 1,854.6 | 94.5 | -177.6 | 201.2 | 2.00 | 2.00 | 0.00 |
| 1,920.0 | 22.40 | 298.01 | 1,891.7 | 101.5 | -190.8 | 216.2 | 2.00 | 2.00 | 0.00 |
| 1,930.0 | 22.60 | 298.01 | 1,900.9 | 103.3 | -194.2 | 220.0 | 2.00 | 2.00 | 0.00 |
| 1,960.0 | 22.60 | 298.01 | 1,928.6 | 108.7 | -204.4 | 231.5 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 22.60 | 298.01 | 1,965.5 | 115.9 | -218.0 | 246.9 | 0.00 | 0.00 | 0.00 |
| 2,040.0 | 22.60 | 298.01 | 2,002.5 | 123.2 | -231.5 | 262.3 | 0.00 | 0.00 | 0.00 |
| 2,080.0 | 22.60 | 298.01 | 2,039.4 | 130.4 | -245.1 | 277.6 | 0.00 | 0.00 | 0.00 |

Database: EDM den0-adp01 Server Data
 Company: NOBLE ENERGY INC WELD COUNTY CO
 Project: SEC.17-T3N-R65W
 Site: REI H17-32D Pad Sec.17-T3N-R65W
 Well: REI H17-32D
 Wellbore: Wellbore #1
 Design: Noble REI H17-32D Plan #1 (02-05-10)

Local Co-ordinate Reference: Well REI H17-32D
 TVD Reference: WELL @ 4932.0ft (Original Well Elev)
 MD Reference: WELL @ 4932.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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 | 22.60 | 298.01 | 2,076.3 | 137.6 | -258.7 | 293.0 | 0.00 | 0.00 | 0.00 |
| 2,160.0 | 22.60 | 298.01 | 2,113.3 | 144.8 | -272.3 | 308.4 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 22.60 | 298.01 | 2,150.2 | 152.0 | -285.8 | 323.7 | 0.00 | 0.00 | 0.00 |
| 2,240.0 | 22.60 | 298.01 | 2,187.1 | 159.2 | -299.4 | 339.1 | 0.00 | 0.00 | 0.00 |
| 2,280.0 | 22.60 | 298.01 | 2,224.0 | 166.5 | -313.0 | 354.5 | 0.00 | 0.00 | 0.00 |
| 2,320.0 | 22.60 | 298.01 | 2,261.0 | 173.7 | -326.5 | 369.9 | 0.00 | 0.00 | 0.00 |
| 2,360.0 | 22.60 | 298.01 | 2,297.9 | 180.9 | -340.1 | 385.2 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 22.60 | 298.01 | 2,334.8 | 188.1 | -353.7 | 400.6 | 0.00 | 0.00 | 0.00 |
| 2,440.0 | 22.60 | 298.01 | 2,371.8 | 195.3 | -367.3 | 416.0 | 0.00 | 0.00 | 0.00 |
| 2,480.0 | 22.60 | 298.01 | 2,408.7 | 202.6 | -380.8 | 431.4 | 0.00 | 0.00 | 0.00 |
| 2,520.0 | 22.60 | 298.01 | 2,445.6 | 209.8 | -394.4 | 446.7 | 0.00 | 0.00 | 0.00 |
| 2,560.0 | 22.60 | 298.01 | 2,482.5 | 217.0 | -408.0 | 462.1 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 22.60 | 298.01 | 2,519.5 | 224.2 | -421.6 | 477.5 | 0.00 | 0.00 | 0.00 |
| 2,640.0 | 22.60 | 298.01 | 2,556.4 | 231.4 | -435.1 | 492.8 | 0.00 | 0.00 | 0.00 |
| 2,680.0 | 22.60 | 298.01 | 2,593.3 | 238.6 | -448.7 | 508.2 | 0.00 | 0.00 | 0.00 |
| 2,720.0 | 22.60 | 298.01 | 2,630.3 | 245.9 | -462.3 | 523.6 | 0.00 | 0.00 | 0.00 |
| 2,760.0 | 22.60 | 298.01 | 2,667.2 | 253.1 | -475.8 | 539.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 22.60 | 298.01 | 2,704.1 | 260.3 | -489.4 | 554.3 | 0.00 | 0.00 | 0.00 |
| 2,840.0 | 22.60 | 298.01 | 2,741.0 | 267.5 | -503.0 | 569.7 | 0.00 | 0.00 | 0.00 |
| 2,880.0 | 22.60 | 298.01 | 2,778.0 | 274.7 | -516.6 | 585.1 | 0.00 | 0.00 | 0.00 |
| 2,920.0 | 22.60 | 298.01 | 2,814.9 | 282.0 | -530.1 | 600.4 | 0.00 | 0.00 | 0.00 |
| 2,960.0 | 22.60 | 298.01 | 2,851.8 | 289.2 | -543.7 | 615.8 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 22.60 | 298.01 | 2,888.8 | 296.4 | -557.3 | 631.2 | 0.00 | 0.00 | 0.00 |
| 3,040.0 | 22.60 | 298.01 | 2,925.7 | 303.6 | -570.8 | 646.6 | 0.00 | 0.00 | 0.00 |
| 3,080.0 | 22.60 | 298.01 | 2,962.6 | 310.8 | -584.4 | 661.9 | 0.00 | 0.00 | 0.00 |
| 3,120.0 | 22.60 | 298.01 | 2,999.5 | 318.0 | -598.0 | 677.3 | 0.00 | 0.00 | 0.00 |
| 3,160.0 | 22.60 | 298.01 | 3,036.5 | 325.3 | -611.6 | 692.7 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 22.60 | 298.01 | 3,073.4 | 332.5 | -625.1 | 708.0 | 0.00 | 0.00 | 0.00 |
| 3,240.0 | 22.60 | 298.01 | 3,110.3 | 339.7 | -638.7 | 723.4 | 0.00 | 0.00 | 0.00 |
| 3,280.0 | 22.60 | 298.01 | 3,147.3 | 346.9 | -652.3 | 738.8 | 0.00 | 0.00 | 0.00 |
| 3,320.0 | 22.60 | 298.01 | 3,184.2 | 354.1 | -665.8 | 754.2 | 0.00 | 0.00 | 0.00 |
| 3,360.0 | 22.60 | 298.01 | 3,221.1 | 361.4 | -679.4 | 769.5 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 22.60 | 298.01 | 3,258.0 | 368.6 | -693.0 | 784.9 | 0.00 | 0.00 | 0.00 |
| 3,440.0 | 22.60 | 298.01 | 3,295.0 | 375.8 | -706.6 | 800.3 | 0.00 | 0.00 | 0.00 |
| 3,480.0 | 22.60 | 298.01 | 3,331.9 | 383.0 | -720.1 | 815.7 | 0.00 | 0.00 | 0.00 |
| 3,520.0 | 22.60 | 298.01 | 3,368.8 | 390.2 | -733.7 | 831.0 | 0.00 | 0.00 | 0.00 |
| 3,560.0 | 22.60 | 298.01 | 3,405.8 | 397.4 | -747.3 | 846.4 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 22.60 | 298.01 | 3,442.7 | 404.7 | -760.8 | 861.8 | 0.00 | 0.00 | 0.00 |
| 3,640.0 | 22.60 | 298.01 | 3,479.6 | 411.9 | -774.4 | 877.1 | 0.00 | 0.00 | 0.00 |
| 3,680.0 | 22.60 | 298.01 | 3,516.5 | 419.1 | -788.0 | 892.5 | 0.00 | 0.00 | 0.00 |
| 3,720.0 | 22.60 | 298.01 | 3,553.5 | 426.3 | -801.6 | 907.9 | 0.00 | 0.00 | 0.00 |
| 3,760.0 | 22.60 | 298.01 | 3,590.4 | 433.5 | -815.1 | 923.3 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 22.60 | 298.01 | 3,627.3 | 440.8 | -828.7 | 938.6 | 0.00 | 0.00 | 0.00 |
| 3,840.0 | 22.60 | 298.01 | 3,664.3 | 448.0 | -842.3 | 954.0 | 0.00 | 0.00 | 0.00 |
| 3,880.0 | 22.60 | 298.01 | 3,701.2 | 455.2 | -855.8 | 969.4 | 0.00 | 0.00 | 0.00 |
| 3,920.0 | 22.60 | 298.01 | 3,738.1 | 462.4 | -869.4 | 984.7 | 0.00 | 0.00 | 0.00 |
| 3,960.0 | 22.60 | 298.01 | 3,775.0 | 469.6 | -883.0 | 1,000.1 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 22.60 | 298.01 | 3,812.0 | 476.9 | -896.6 | 1,015.5 | 0.00 | 0.00 | 0.00 |
| 4,040.0 | 22.60 | 298.01 | 3,848.9 | 484.1 | -910.1 | 1,030.9 | 0.00 | 0.00 | 0.00 |
| 4,080.0 | 22.60 | 298.01 | 3,885.8 | 491.3 | -923.7 | 1,046.2 | 0.00 | 0.00 | 0.00 |
| 4,120.0 | 22.60 | 298.01 | 3,922.8 | 498.5 | -937.3 | 1,061.6 | 0.00 | 0.00 | 0.00 |
| 4,160.0 | 22.60 | 298.01 | 3,959.7 | 505.7 | -950.8 | 1,077.0 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 22.60 | 298.01 | 3,996.6 | 512.9 | -964.4 | 1,092.3 | 0.00 | 0.00 | 0.00 |
| 4,240.0 | 22.60 | 298.01 | 4,033.5 | 520.2 | -978.0 | 1,107.7 | 0.00 | 0.00 | 0.00 |

| | | | |
|-----------|--------------------------------------|------------------------------|--------------------------------------|
| Database: | EDM den0-adp01 Server Data | Local Co-ordinate Reference: | Well REI H17-32D |
| Company: | NOBLE ENERGY INC WELD COUNTY CO | TVD Reference: | WELL @ 4932.0ft (Original Well Elev) |
| Project: | SEC.17-T3N-R65W | MD Reference: | WELL @ 4932.0ft (Original Well Elev) |
| Site: | REI H17-32D Pad Sec.17-T3N-R65W | North Reference: | True |
| Well: | REI H17-32D | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Noble REI H17-32D Plan #1 (02-05-10) | | |

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 | 22.60 | 298.01 | 4,070.5 | 527.4 | -991.6 | 1,123.1 | 0.00 | 0.00 | 0.00 |
| 4,320.0 | 22.60 | 298.01 | 4,107.4 | 534.6 | -1,005.1 | 1,138.5 | 0.00 | 0.00 | 0.00 |
| 4,360.0 | 22.60 | 298.01 | 4,144.3 | 541.8 | -1,018.7 | 1,153.8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 22.60 | 298.01 | 4,181.3 | 549.0 | -1,032.3 | 1,169.2 | 0.00 | 0.00 | 0.00 |
| 4,440.0 | 22.60 | 298.01 | 4,218.2 | 556.3 | -1,045.9 | 1,184.6 | 0.00 | 0.00 | 0.00 |
| 4,480.0 | 22.60 | 298.01 | 4,255.1 | 563.5 | -1,059.4 | 1,199.9 | 0.00 | 0.00 | 0.00 |
| 4,520.0 | 22.60 | 298.01 | 4,292.0 | 570.7 | -1,073.0 | 1,215.3 | 0.00 | 0.00 | 0.00 |
| 4,560.0 | 22.60 | 298.01 | 4,329.0 | 577.9 | -1,086.6 | 1,230.7 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 22.60 | 298.01 | 4,365.9 | 585.1 | -1,100.1 | 1,246.1 | 0.00 | 0.00 | 0.00 |
| 4,640.0 | 22.60 | 298.01 | 4,402.8 | 592.3 | -1,113.7 | 1,261.4 | 0.00 | 0.00 | 0.00 |
| 4,680.0 | 22.60 | 298.01 | 4,439.7 | 599.6 | -1,127.3 | 1,276.8 | 0.00 | 0.00 | 0.00 |
| 4,720.0 | 22.60 | 298.01 | 4,476.7 | 606.8 | -1,140.9 | 1,292.2 | 0.00 | 0.00 | 0.00 |
| 4,760.0 | 22.60 | 298.01 | 4,513.6 | 614.0 | -1,154.4 | 1,307.6 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 22.60 | 298.01 | 4,550.5 | 621.2 | -1,168.0 | 1,322.9 | 0.00 | 0.00 | 0.00 |
| 4,840.0 | 22.60 | 298.01 | 4,587.5 | 628.4 | -1,181.6 | 1,338.3 | 0.00 | 0.00 | 0.00 |
| 4,880.0 | 22.60 | 298.01 | 4,624.4 | 635.7 | -1,195.1 | 1,353.7 | 0.00 | 0.00 | 0.00 |
| 4,920.0 | 22.60 | 298.01 | 4,661.3 | 642.9 | -1,208.7 | 1,369.0 | 0.00 | 0.00 | 0.00 |
| 4,960.0 | 22.60 | 298.01 | 4,698.2 | 650.1 | -1,222.3 | 1,384.4 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 22.60 | 298.01 | 4,735.2 | 657.3 | -1,235.9 | 1,399.8 | 0.00 | 0.00 | 0.00 |
| 5,040.0 | 22.60 | 298.01 | 4,772.1 | 664.5 | -1,249.4 | 1,415.2 | 0.00 | 0.00 | 0.00 |
| 5,080.0 | 22.60 | 298.01 | 4,809.0 | 671.7 | -1,263.0 | 1,430.5 | 0.00 | 0.00 | 0.00 |
| 5,120.0 | 22.60 | 298.01 | 4,846.0 | 679.0 | -1,276.6 | 1,445.9 | 0.00 | 0.00 | 0.00 |
| 5,160.0 | 22.60 | 298.01 | 4,882.9 | 686.2 | -1,290.1 | 1,461.3 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 22.60 | 298.01 | 4,919.8 | 693.4 | -1,303.7 | 1,476.6 | 0.00 | 0.00 | 0.00 |
| 5,240.0 | 22.60 | 298.01 | 4,956.7 | 700.6 | -1,317.3 | 1,492.0 | 0.00 | 0.00 | 0.00 |
| 5,280.0 | 22.60 | 298.01 | 4,993.7 | 707.8 | -1,330.9 | 1,507.4 | 0.00 | 0.00 | 0.00 |
| 5,320.0 | 22.60 | 298.01 | 5,030.6 | 715.1 | -1,344.4 | 1,522.8 | 0.00 | 0.00 | 0.00 |
| 5,360.0 | 22.60 | 298.01 | 5,067.5 | 722.3 | -1,358.0 | 1,538.1 | 0.00 | 0.00 | 0.00 |
| 5,394.2 | 22.60 | 298.01 | 5,099.1 | 728.4 | -1,369.6 | 1,551.3 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 22.48 | 298.01 | 5,104.5 | 729.5 | -1,371.6 | 1,553.5 | 2.00 | -2.00 | 0.00 |
| 5,440.0 | 21.68 | 298.01 | 5,141.5 | 736.6 | -1,384.8 | 1,568.5 | 2.00 | -2.00 | 0.00 |
| 5,480.0 | 20.88 | 298.01 | 5,178.8 | 743.4 | -1,397.7 | 1,583.1 | 2.00 | -2.00 | 0.00 |
| 5,520.0 | 20.08 | 298.01 | 5,216.3 | 749.9 | -1,410.0 | 1,597.1 | 2.00 | -2.00 | 0.00 |
| 5,560.0 | 19.28 | 298.01 | 5,253.9 | 756.3 | -1,421.9 | 1,610.5 | 2.00 | -2.00 | 0.00 |
| 5,600.0 | 18.48 | 298.01 | 5,291.8 | 762.3 | -1,433.3 | 1,623.5 | 2.00 | -2.00 | 0.00 |
| 5,640.0 | 17.68 | 298.01 | 5,329.8 | 768.2 | -1,444.3 | 1,635.9 | 2.00 | -2.00 | 0.00 |
| 5,680.0 | 16.88 | 298.01 | 5,368.0 | 773.8 | -1,454.8 | 1,647.8 | 2.00 | -2.00 | 0.00 |
| 5,720.0 | 16.08 | 298.01 | 5,406.4 | 779.1 | -1,464.8 | 1,659.1 | 2.00 | -2.00 | 0.00 |
| 5,760.0 | 15.28 | 298.01 | 5,444.9 | 784.2 | -1,474.4 | 1,669.9 | 2.00 | -2.00 | 0.00 |
| 5,800.0 | 14.48 | 298.01 | 5,483.5 | 789.0 | -1,483.4 | 1,680.2 | 2.00 | -2.00 | 0.00 |
| 5,840.0 | 13.68 | 298.01 | 5,522.3 | 793.6 | -1,492.0 | 1,689.9 | 2.00 | -2.00 | 0.00 |
| 5,880.0 | 12.88 | 298.01 | 5,561.2 | 797.9 | -1,500.1 | 1,699.1 | 2.00 | -2.00 | 0.00 |
| 5,920.0 | 12.08 | 298.01 | 5,600.3 | 801.9 | -1,507.8 | 1,707.8 | 2.00 | -2.00 | 0.00 |
| 5,960.0 | 11.28 | 298.01 | 5,639.5 | 805.7 | -1,514.9 | 1,715.9 | 2.00 | -2.00 | 0.00 |
| 6,000.0 | 10.48 | 298.01 | 5,678.8 | 809.3 | -1,521.6 | 1,723.4 | 2.00 | -2.00 | 0.00 |
| 6,040.0 | 9.68 | 298.01 | 5,718.1 | 812.6 | -1,527.8 | 1,730.4 | 2.00 | -2.00 | 0.00 |
| 6,080.0 | 8.88 | 298.01 | 5,757.6 | 815.6 | -1,533.5 | 1,736.9 | 2.00 | -2.00 | 0.00 |
| 6,120.0 | 8.08 | 298.01 | 5,797.2 | 818.4 | -1,538.7 | 1,742.8 | 2.00 | -2.00 | 0.00 |
| 6,160.0 | 7.28 | 298.01 | 5,836.8 | 820.9 | -1,543.4 | 1,748.1 | 2.00 | -2.00 | 0.00 |
| 6,200.0 | 6.48 | 298.01 | 5,876.5 | 823.1 | -1,547.6 | 1,752.9 | 2.00 | -2.00 | 0.00 |
| 6,240.0 | 5.68 | 298.01 | 5,916.3 | 825.1 | -1,551.4 | 1,757.2 | 2.00 | -2.00 | 0.00 |
| 6,280.0 | 4.88 | 298.01 | 5,956.1 | 826.9 | -1,554.6 | 1,760.9 | 2.00 | -2.00 | 0.00 |
| 6,320.0 | 4.08 | 298.01 | 5,996.0 | 828.3 | -1,557.4 | 1,764.0 | 2.00 | -2.00 | 0.00 |
| 6,360.0 | 3.28 | 298.01 | 6,035.9 | 829.5 | -1,559.7 | 1,766.5 | 2.00 | -2.00 | 0.00 |

Database: EDM den0-adp01 Server Data
 Company: NOBLE ENERGY INC WELD COUNTY CO
 Project: SEC.17-T3N-R65W
 Site: REI H17-32D Pad Sec.17-T3N-R65W
 Well: REI H17-32D
 Wellbore: Wellbore #1
 Design: Noble REI H17-32D Plan #1 (02-05-10)

Local Co-ordinate Reference: Well REI H17-32D
 TVD Reference: WELL @ 4932.0ft (Original Well Elev)
 MD Reference: WELL @ 4932.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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 | 2.48 | 298.01 | 6,075.9 | 830.5 | -1,561.4 | 1,768.6 | 2.00 | -2.00 | 0.00 |
| 6,440.0 | 1.68 | 298.01 | 6,115.8 | 831.2 | -1,562.7 | 1,770.0 | 2.00 | -2.00 | 0.00 |
| 6,480.0 | 0.88 | 298.01 | 6,155.8 | 831.6 | -1,563.5 | 1,770.9 | 2.00 | -2.00 | 0.00 |
| 6,520.0 | 0.08 | 298.01 | 6,195.8 | 831.7 | -1,563.8 | 1,771.2 | 2.00 | -2.00 | 0.00 |
| 6,524.2 | 0.00 | 0.00 | 6,200.0 | 831.7 | -1,563.8 | 1,771.2 | 2.00 | -2.00 | 0.00 |
| TARGET BHL 2500'FNL, 75'FWL | | | | | | | | | |
| 6,560.0 | 0.00 | 0.00 | 6,235.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 0.00 | 0.00 | 6,275.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,640.0 | 0.00 | 0.00 | 6,315.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,680.0 | 0.00 | 0.00 | 6,355.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,720.0 | 0.00 | 0.00 | 6,395.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,760.0 | 0.00 | 0.00 | 6,435.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 0.00 | 0.00 | 6,475.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,840.0 | 0.00 | 0.00 | 6,515.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,880.0 | 0.00 | 0.00 | 6,555.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,920.0 | 0.00 | 0.00 | 6,595.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 6,960.0 | 0.00 | 0.00 | 6,635.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,675.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,040.0 | 0.00 | 0.00 | 6,715.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,080.0 | 0.00 | 0.00 | 6,755.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,120.0 | 0.00 | 0.00 | 6,795.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,160.0 | 0.00 | 0.00 | 6,835.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 6,875.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,240.0 | 0.00 | 0.00 | 6,915.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,280.0 | 0.00 | 0.00 | 6,955.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,320.0 | 0.00 | 0.00 | 6,995.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,326.2 | 0.00 | 0.00 | 7,002.0 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| NIOBRARA - TARGET CIRCLE 2500'FNL, 75'FWL | | | | | | | | | |
| 7,360.0 | 0.00 | 0.00 | 7,035.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,075.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,440.0 | 0.00 | 0.00 | 7,115.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,480.0 | 0.00 | 0.00 | 7,155.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,520.0 | 0.00 | 0.00 | 7,195.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,560.0 | 0.00 | 0.00 | 7,235.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 0.00 | 0.00 | 7,275.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,636.2 | 0.00 | 0.00 | 7,312.0 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| CODELL | | | | | | | | | |
| 7,640.0 | 0.00 | 0.00 | 7,315.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,680.0 | 0.00 | 0.00 | 7,355.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,720.0 | 0.00 | 0.00 | 7,395.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,760.0 | 0.00 | 0.00 | 7,435.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 0.00 | 0.00 | 7,475.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,840.0 | 0.00 | 0.00 | 7,515.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,880.0 | 0.00 | 0.00 | 7,555.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,920.0 | 0.00 | 0.00 | 7,595.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 7,960.0 | 0.00 | 0.00 | 7,635.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 0.00 | 0.00 | 7,675.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,036.2 | 0.00 | 0.00 | 7,712.0 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| D-SAND | | | | | | | | | |
| 8,040.0 | 0.00 | 0.00 | 7,715.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,080.0 | 0.00 | 0.00 | 7,755.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,096.2 | 0.00 | 0.00 | 7,772.0 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| J-SAND | | | | | | | | | |

Database: EDM den0-adp01 Server Data
 Company: NOBLE ENERGY INC WELD COUNTY CO
 Project: SEC.17-T3N-R65W
 Site: REI H17-32D Pad Sec.17-T3N-R65W
 Well: REI H17-32D
 Wellbore: Wellbore #1
 Design: Noble REI H17-32D Plan #1 (02-05-10)

Local Co-ordinate Reference: Well REI H17-32D
 TVD Reference: WELL @ 4932.0ft (Original Well Elev)
 MD Reference: WELL @ 4932.0ft (Original Well Elev)
 North Reference: True
 Survey Calculation Method: Minimum Curvature

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) |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 8,120.0 | 0.00 | 0.00 | 7,795.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,160.0 | 0.00 | 0.00 | 7,835.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 0.00 | 0.00 | 7,875.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,240.0 | 0.00 | 0.00 | 7,915.8 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |
| 8,246.2 | 0.00 | 0.00 | 7,922.0 | 831.7 | -1,563.8 | 1,771.2 | 0.00 | 0.00 | 0.00 |

HARDLINE 129'S & 75'W OF BHL

Targets

| Target Name | - hit/miss target | - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|--|-------------------|---------|---------------|--------------|----------|------------|------------|---------------|--------------|------------------|-------------------|
| HARDLINE 129'S & 7 | | | 0.00 | 0.00 | 7,922.0 | 702.7 | -1,638.8 | 1,325,974.09 | 3,224,264.51 | 40° 13' 31.471 N | 104° 41' 48.584 W |
| - plan misses target center by 149.2ft at 8246.2ft MD (7922.0 TVD, 831.7 N, -1563.8 E) | | | | | | | | | | | |
| - Polygon | | | | | | | | | | | |
| Point 1 | | | | | 7,922.0 | 0.0 | 0.0 | 1,325,974.09 | 3,224,264.51 | | |
| Point 2 | | | | | 7,922.0 | 300.0 | 0.0 | 1,326,274.07 | 3,224,261.77 | | |
| Point 3 | | | | | 7,922.0 | 0.0 | 0.0 | 1,325,974.09 | 3,224,264.51 | | |
| Point 4 | | | | | 7,922.0 | 0.0 | 300.0 | 1,325,976.83 | 3,224,564.48 | | |
| TARGET BHL 2500'F | | | 0.00 | 0.00 | 6,200.0 | 831.7 | -1,563.8 | 1,326,103.81 | 3,224,338.31 | 40° 13' 32.747 N | 104° 41' 47.617 W |
| - plan hits target center | | | | | | | | | | | |
| - Point | | | | | | | | | | | |
| TARGET CIRCLE 25' | | | 0.00 | 0.00 | 7,002.0 | 831.7 | -1,563.8 | 1,326,103.77 | 3,224,338.33 | 40° 13' 32.746 N | 104° 41' 47.617 W |
| - plan hits target center | | | | | | | | | | | |
| - Circle (radius 75.0) | | | | | | | | | | | |

Formations

| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|---------------------|---------------------|----------|-----------|---------|-------------------|
| 7,326.2 | 7,002.0 | NIOBRARA | | 0.00 | |
| 7,636.2 | 7,312.0 | CODELL | | 0.00 | |
| 8,036.2 | 7,712.0 | D-SAND | | 0.00 | |
| 8,096.2 | 7,772.0 | J-SAND | | 0.00 | |