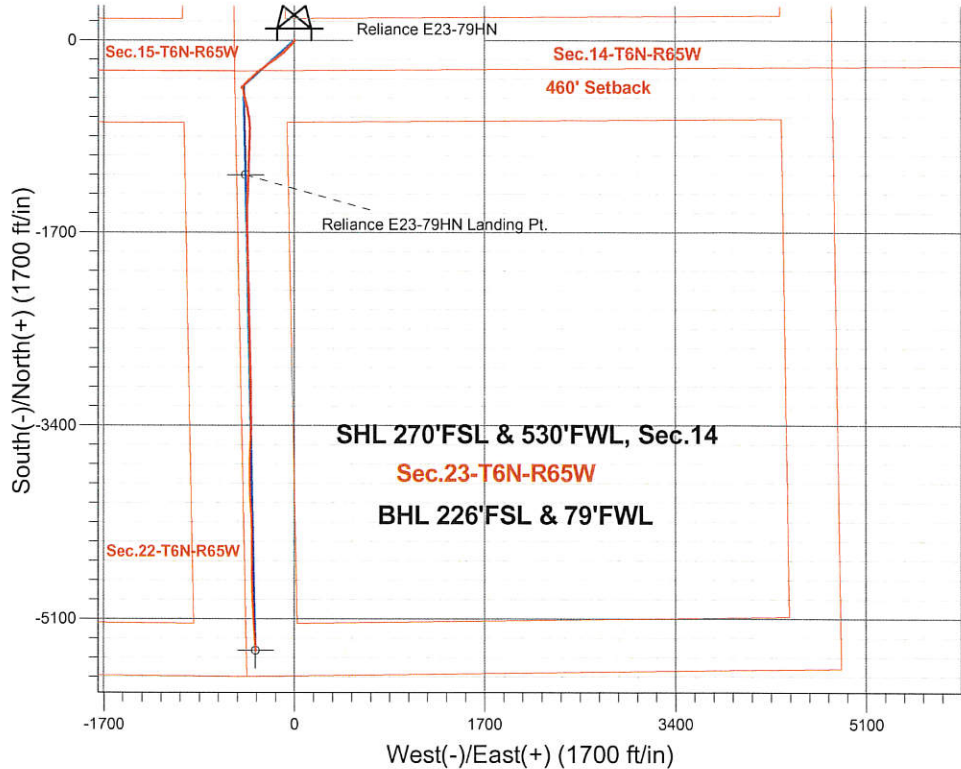


County, CO (Grid North)

e E23-79HN
4-62-1HN Pad Sec.14-T6N-R65W
ate Plane 1983 , Colorado Northern Zone
ration: 4737.0
Latitude Longitude Slot
7 40.479540 -104.638160
@ 4753.0ft (Precision 829 RKB - 16')

SURVEY

om Hole Location
5376'S & 345'W of SHL
@ 175.2 degree AZM



| | |
|--|--|
| <p>Eagle E14-62-1HN Pad Sec.14-T6N-R65W Reliance E23-79HN</p> <p>9:48, May 28 2014</p> <p>Wellbore #1</p> | <p>ANNOTATIONS</p> <p>No annotation data is available.</p> |
| <p>LEGEND</p> <ul style="list-style-type: none">Reliance E23-79HN, Wellbore #1, Plan A - Rev 0 V0Wellbore #1 <p>Vertical Section at 183.71° (550 ft/in)</p> | |



Directional

Noble Energy Inc.- Weld County, CO (Grid North)

Sec.14-T6N-R65W

Eagle E14-62-1HN Pad Sec.14-T6N-R65W

Reliance E23-79HN

Wellbore #1

Design: Wellbore #1

Standard Survey Report

28 May, 2014

| | | | |
|------------------|---|-------------------------------------|---|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Reliance E23-79HN |
| Project: | Sec.14-T6N-R65W | TVD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Site: | Eagle E14-62-1HN Pad Sec.14-T6N-R65W | MD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Well: | Reliance E23-79HN | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| | | | |
|--------------------|----------------------------------|----------------------|-----------------------------|
| Project | Sec.14-T6N-R65W, Weld County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | Using Well Reference Point |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | | | |
|-----------------------|--------------------------------------|--------------|-----------------|-------------------|-------------|
| Site | Eagle E14-62-1HN Pad Sec.14-T6N-R65W | | | | |
| Site Position: | | Northing: | 1,418,814.82 ft | Latitude: | 40.479850 |
| From: | Lat/Long | Easting: | 3,239,744.87 ft | Longitude: | -104.638160 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.56 ° |

| | | | | | | |
|----------------------|-------------------|--------|---------------------|-----------------|---------------|-------------|
| Well | Reliance E23-79HN | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,418,701.89 ft | Latitude: | 40.479540 |
| | +E/-W | 0.0 ft | Easting: | 3,239,745.97 ft | Longitude: | -104.638160 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,737.0 ft |

| | | | | | |
|-----------------|-------------|--|--|--|--|
| Wellbore | Wellbore #1 | | | | |
|-----------------|-------------|--|--|--|--|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | IGRF2010 | 4/10/2014 | 8.42 | 67.04 | 52,890 |

| | | | | | |
|---------------|-------------|--|--|--|--|
| Design | Wellbore #1 | | | | |
|---------------|-------------|--|--|--|--|

| | | | | | |
|---------------------|-----|---------------|--------|----------------------|-----|
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |

| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
|-------------------|--------------------------|---------------|---------------|------------------|
| | 0.0 | 0.0 | 0.0 | 183.71 |

| Survey Program | | Date 5/28/2014 | | | |
|----------------|------------|----------------------------------|------------|---------------------|--|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 350.0 | 700.0 | Surface (Wellbore #1) | Flexi-Shot | VES Flexi-Shot Tool | |
| 797.0 | 7,324.0 | Intermediate/Curve (Wellbore #1) | MWD | MWD - Standard | |
| 7,437.0 | 11,604.0 | Lateral (Wellbore #1) | MWD | MWD - Standard | |

| 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 |
| 350.0 | 0.60 | 174.93 | 350.0 | -1.8 | 0.2 | 1.8 | 0.17 | 0.17 | 0.00 |
| 700.0 | 0.50 | 20.13 | 700.0 | -2.2 | 0.8 | 2.2 | 0.31 | -0.03 | -44.23 |
| 797.0 | 0.40 | 348.50 | 797.0 | -1.5 | 0.9 | 1.4 | 0.27 | -0.10 | -32.61 |
| 886.0 | 1.50 | 289.60 | 886.0 | -0.8 | -0.2 | 0.8 | 1.50 | 1.24 | -66.18 |
| 976.0 | 1.60 | 199.10 | 976.0 | -1.6 | -1.8 | 1.7 | 2.45 | 0.11 | -100.56 |
| 1,066.0 | 3.60 | 210.70 | 1,065.9 | -5.2 | -3.6 | 5.4 | 2.29 | 2.22 | 12.89 |
| 1,174.0 | 4.70 | 205.80 | 1,173.6 | -12.1 | -7.3 | 12.5 | 1.07 | 1.02 | -4.54 |
| 1,269.0 | 5.40 | 220.40 | 1,268.2 | -19.0 | -11.9 | 19.7 | 1.53 | 0.74 | 15.37 |
| 1,366.0 | 5.50 | 221.30 | 1,364.8 | -26.0 | -17.9 | 27.1 | 0.14 | 0.10 | 0.93 |

| | | | |
|------------------|---|-------------------------------------|---|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Reliance E23-79HN |
| Project: | Sec.14-T6N-R65W | TVD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Site: | Eagle E14-62-1HN Pad Sec.14-T6N-R65W | MD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Well: | Reliance E23-79HN | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| 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) | |
| 1,460.0 | 7.10 | 225.50 | 1,458.2 | -33.4 | -25.0 | 35.0 | 1.77 | 1.70 | 4.47 | |
| 1,554.0 | 8.20 | 227.20 | 1,551.4 | -42.1 | -34.1 | 44.2 | 1.19 | 1.17 | 1.81 | |
| 1,648.0 | 9.00 | 222.00 | 1,644.3 | -52.1 | -43.9 | 54.8 | 1.19 | 0.85 | -5.53 | |
| 1,743.0 | 9.20 | 222.00 | 1,738.1 | -63.2 | -54.0 | 66.6 | 0.21 | 0.21 | 0.00 | |
| 1,837.0 | 9.80 | 225.10 | 1,830.8 | -74.5 | -64.6 | 78.5 | 0.84 | 0.64 | 3.30 | |
| 1,931.0 | 8.70 | 224.10 | 1,923.6 | -85.2 | -75.3 | 89.9 | 1.18 | -1.17 | -1.06 | |
| 2,026.0 | 9.10 | 224.40 | 2,017.4 | -95.8 | -85.5 | 101.1 | 0.42 | 0.42 | 0.32 | |
| 2,118.0 | 9.40 | 226.40 | 2,108.3 | -106.1 | -96.0 | 112.1 | 0.48 | 0.33 | 2.17 | |
| 2,212.0 | 9.60 | 236.00 | 2,201.0 | -115.8 | -108.1 | 122.6 | 1.70 | 0.21 | 10.21 | |
| 2,304.0 | 8.80 | 230.60 | 2,291.8 | -124.6 | -119.9 | 132.1 | 1.28 | -0.87 | -5.87 | |
| 2,396.0 | 9.40 | 234.60 | 2,382.6 | -133.4 | -131.5 | 141.6 | 0.95 | 0.65 | 4.35 | |
| 2,490.0 | 8.90 | 232.20 | 2,475.4 | -142.3 | -143.5 | 151.3 | 0.67 | -0.53 | -2.55 | |
| 2,597.0 | 9.80 | 228.80 | 2,581.0 | -153.4 | -156.9 | 163.2 | 0.99 | 0.84 | -3.18 | |
| 2,686.0 | 9.80 | 235.30 | 2,668.7 | -162.7 | -168.8 | 173.2 | 1.24 | 0.00 | 7.30 | |
| 2,776.0 | 9.60 | 238.70 | 2,757.4 | -170.9 | -181.5 | 182.3 | 0.67 | -0.22 | 3.78 | |
| 2,865.0 | 9.70 | 236.00 | 2,845.2 | -179.0 | -194.1 | 191.1 | 0.52 | 0.11 | -3.03 | |
| 2,955.0 | 9.40 | 235.00 | 2,933.9 | -187.4 | -206.4 | 200.4 | 0.38 | -0.33 | -1.11 | |
| 3,045.0 | 9.00 | 233.20 | 3,022.8 | -195.9 | -218.0 | 209.5 | 0.55 | -0.44 | -2.00 | |
| 3,135.0 | 9.80 | 235.30 | 3,111.6 | -204.4 | -230.0 | 218.9 | 0.97 | 0.89 | 2.33 | |
| 3,224.0 | 8.40 | 232.70 | 3,199.4 | -212.7 | -241.4 | 227.9 | 1.64 | -1.57 | -2.92 | |
| 3,314.0 | 8.70 | 228.10 | 3,288.4 | -221.2 | -251.6 | 237.0 | 0.83 | 0.33 | -5.11 | |
| 3,403.0 | 7.10 | 225.80 | 3,376.6 | -229.6 | -260.6 | 245.9 | 1.83 | -1.80 | -2.58 | |
| 3,493.0 | 8.60 | 233.20 | 3,465.7 | -237.5 | -270.0 | 254.4 | 2.01 | 1.67 | 8.22 | |
| 3,583.0 | 9.40 | 238.70 | 3,554.6 | -245.3 | -281.6 | 263.0 | 1.30 | 0.89 | 6.11 | |
| 3,672.0 | 10.20 | 234.10 | 3,642.3 | -253.7 | -294.2 | 272.2 | 1.26 | 0.90 | -5.17 | |
| 3,762.0 | 10.70 | 233.40 | 3,730.8 | -263.4 | -307.4 | 282.7 | 0.57 | 0.56 | -0.78 | |
| 3,851.0 | 11.30 | 232.30 | 3,818.2 | -273.6 | -320.9 | 293.8 | 0.71 | 0.67 | -1.24 | |
| 3,941.0 | 11.80 | 231.60 | 3,906.4 | -284.7 | -335.1 | 305.8 | 0.58 | 0.56 | -0.78 | |
| 4,031.0 | 12.00 | 229.50 | 3,994.5 | -296.5 | -349.5 | 318.5 | 0.53 | 0.22 | -2.33 | |
| 4,120.0 | 10.30 | 225.30 | 4,081.8 | -308.1 | -362.1 | 330.9 | 2.12 | -1.91 | -4.72 | |
| 4,210.0 | 9.00 | 221.80 | 4,170.5 | -319.0 | -372.6 | 342.5 | 1.58 | -1.44 | -3.89 | |
| 4,299.0 | 9.20 | 226.90 | 4,258.4 | -329.1 | -382.4 | 353.1 | 0.93 | 0.22 | 5.73 | |
| 4,389.0 | 9.30 | 225.00 | 4,347.2 | -339.1 | -392.8 | 363.8 | 0.36 | 0.11 | -2.11 | |
| 4,479.0 | 10.20 | 224.10 | 4,435.9 | -350.0 | -403.5 | 375.4 | 1.01 | 1.00 | -1.00 | |
| 4,568.0 | 10.70 | 232.30 | 4,523.4 | -360.7 | -415.5 | 386.8 | 1.76 | 0.56 | 9.21 | |
| 4,658.0 | 8.50 | 228.50 | 4,612.2 | -370.2 | -427.1 | 397.1 | 2.54 | -2.44 | -4.22 | |
| 4,748.0 | 7.00 | 221.60 | 4,701.3 | -378.7 | -435.7 | 406.1 | 1.96 | -1.67 | -7.67 | |
| 4,837.0 | 6.00 | 222.30 | 4,789.8 | -386.2 | -442.4 | 414.0 | 1.13 | -1.12 | 0.79 | |
| 4,927.0 | 4.50 | 218.80 | 4,879.4 | -392.5 | -447.8 | 420.6 | 1.70 | -1.67 | -3.89 | |
| 5,016.0 | 3.90 | 220.90 | 4,968.2 | -397.5 | -452.0 | 425.9 | 0.70 | -0.67 | 2.36 | |
| 5,106.0 | 4.80 | 232.70 | 5,057.9 | -402.1 | -457.0 | 430.8 | 1.41 | 1.00 | 13.11 | |
| 5,196.0 | 4.10 | 224.10 | 5,147.6 | -406.7 | -462.2 | 435.7 | 1.07 | -0.78 | -9.56 | |
| 5,285.0 | 3.30 | 213.00 | 5,236.4 | -411.1 | -465.8 | 440.4 | 1.20 | -0.90 | -12.47 | |
| 5,375.0 | 3.30 | 220.40 | 5,326.3 | -415.2 | -468.9 | 444.7 | 0.47 | 0.00 | 8.22 | |
| 5,465.0 | 3.30 | 210.50 | 5,416.1 | -419.5 | -471.9 | 449.1 | 0.63 | 0.00 | -11.00 | |
| 5,554.0 | 2.40 | 229.70 | 5,505.0 | -422.9 | -474.6 | 452.7 | 1.46 | -1.01 | 21.57 | |
| 5,643.0 | 1.10 | 9.50 | 5,594.0 | -423.2 | -475.9 | 453.1 | 3.73 | -1.46 | 157.08 | |
| 5,733.0 | 2.40 | 21.60 | 5,684.0 | -420.6 | -475.1 | 450.5 | 1.49 | 1.44 | 13.44 | |
| 5,822.0 | 2.80 | 35.30 | 5,772.9 | -417.1 | -473.1 | 446.8 | 0.83 | 0.45 | 15.39 | |
| 5,911.0 | 1.50 | 26.20 | 5,861.8 | -414.3 | -471.4 | 443.9 | 1.51 | -1.46 | -10.22 | |
| 6,001.0 | 1.40 | 13.50 | 5,951.8 | -412.2 | -470.6 | 441.7 | 0.37 | -0.11 | -14.11 | |
| 6,090.0 | 0.90 | 357.50 | 6,040.8 | -410.4 | -470.4 | 440.0 | 0.66 | -0.56 | -17.98 | |
| 6,180.0 | 0.60 | 324.80 | 6,130.8 | -409.3 | -470.7 | 438.9 | 0.57 | -0.33 | -36.33 | |
| 6,225.0 | 1.80 | 137.40 | 6,175.8 | -409.7 | -470.3 | 439.2 | 5.33 | 2.67 | 383.56 | |

| | | | |
|------------------|---|-------------------------------------|---|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Reliance E23-79HN |
| Project: | Sec.14-T6N-R65W | TVD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Site: | Eagle E14-62-1HN Pad Sec.14-T6N-R65W | MD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Well: | Reliance E23-79HN | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| 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) |
| 6,270.0 | 5.50 | 134.10 | 6,220.7 | -411.7 | -468.3 | 441.1 | 8.23 | 8.22 | -7.33 |
| 6,315.0 | 7.80 | 157.80 | 6,265.4 | -416.0 | -465.6 | 445.2 | 7.86 | 5.11 | 52.67 |
| 6,359.0 | 9.70 | 170.80 | 6,308.8 | -422.4 | -463.9 | 451.5 | 6.21 | 4.32 | 29.55 |
| 6,404.0 | 13.50 | 169.20 | 6,352.9 | -431.3 | -462.3 | 460.3 | 8.47 | 8.44 | -3.56 |
| 6,449.0 | 17.10 | 167.50 | 6,396.3 | -443.0 | -459.9 | 471.8 | 8.06 | 8.00 | -3.78 |
| 6,494.0 | 20.30 | 169.80 | 6,438.9 | -457.1 | -457.1 | 485.7 | 7.30 | 7.11 | 5.11 |
| 6,539.0 | 24.20 | 169.40 | 6,480.6 | -473.9 | -454.0 | 502.2 | 8.67 | 8.67 | -0.89 |
| 6,584.0 | 27.80 | 167.10 | 6,521.0 | -493.2 | -449.9 | 521.2 | 8.31 | 8.00 | -5.11 |
| 6,628.0 | 31.70 | 167.10 | 6,559.2 | -514.4 | -445.1 | 542.1 | 8.86 | 8.86 | 0.00 |
| 6,673.0 | 35.40 | 167.00 | 6,596.7 | -538.7 | -439.5 | 566.0 | 8.22 | 8.22 | -0.22 |
| 6,718.0 | 39.90 | 165.70 | 6,632.3 | -565.4 | -433.0 | 592.2 | 10.15 | 10.00 | -2.89 |
| 6,763.0 | 44.30 | 166.80 | 6,665.7 | -594.7 | -425.8 | 621.0 | 9.91 | 9.78 | 2.44 |
| 6,808.0 | 48.50 | 169.80 | 6,696.7 | -626.6 | -419.3 | 652.4 | 10.51 | 9.33 | 6.67 |
| 6,852.0 | 54.00 | 169.80 | 6,724.3 | -660.3 | -413.2 | 685.7 | 12.50 | 12.50 | 0.00 |
| 6,897.0 | 59.10 | 171.90 | 6,749.1 | -697.4 | -407.2 | 722.3 | 11.98 | 11.33 | 4.67 |
| 6,942.0 | 63.70 | 176.30 | 6,770.6 | -736.7 | -403.2 | 761.2 | 13.35 | 10.22 | 9.78 |
| 6,987.0 | 68.90 | 180.10 | 6,788.7 | -777.8 | -401.9 | 802.2 | 13.90 | 11.56 | 8.44 |
| 7,031.0 | 71.00 | 182.20 | 6,803.8 | -819.1 | -402.8 | 843.5 | 6.55 | 4.77 | 4.77 |
| 7,076.0 | 71.30 | 182.10 | 6,818.3 | -861.7 | -404.4 | 886.0 | 0.70 | 0.67 | -0.22 |
| 7,121.0 | 71.70 | 182.10 | 6,832.6 | -904.3 | -405.9 | 928.7 | 0.89 | 0.89 | 0.00 |
| 7,166.0 | 72.50 | 182.10 | 6,846.4 | -947.1 | -407.5 | 971.5 | 1.78 | 1.78 | 0.00 |
| 7,211.0 | 74.70 | 181.70 | 6,859.1 | -990.3 | -408.9 | 1,014.7 | 4.96 | 4.89 | -0.89 |
| 7,255.0 | 76.70 | 181.40 | 6,870.0 | -1,032.9 | -410.1 | 1,057.3 | 4.59 | 4.55 | -0.68 |
| 7,300.0 | 79.10 | 180.70 | 6,879.4 | -1,076.9 | -410.9 | 1,101.2 | 5.55 | 5.33 | -1.56 |
| 7,324.0 | 80.40 | 180.30 | 6,883.7 | -1,100.5 | -411.1 | 1,124.8 | 5.66 | 5.42 | -1.67 |
| 7,416.0 | 85.45 | 181.61 | 6,895.0 | -1,191.8 | -412.6 | 1,216.0 | 5.66 | 5.49 | 1.42 |
| Reliance E23-79HN Landing Pt. | | | | | | | | | |
| 7,437.0 | 86.60 | 181.90 | 6,896.5 | -1,212.7 | -413.3 | 1,236.9 | 5.66 | 5.49 | 1.40 |
| 7,481.0 | 90.00 | 182.40 | 6,897.8 | -1,256.6 | -414.9 | 1,280.8 | 7.81 | 7.73 | 1.14 |
| 7,571.0 | 90.20 | 182.10 | 6,897.6 | -1,346.6 | -418.4 | 1,370.8 | 0.40 | 0.22 | -0.33 |
| 7,661.0 | 89.20 | 181.90 | 6,898.1 | -1,436.5 | -421.6 | 1,460.8 | 1.13 | -1.11 | -0.22 |
| 7,750.0 | 88.30 | 181.50 | 6,900.1 | -1,525.5 | -424.2 | 1,549.7 | 1.11 | -1.01 | -0.45 |
| 7,840.0 | 89.20 | 179.60 | 6,902.0 | -1,615.4 | -425.1 | 1,639.5 | 2.34 | 1.00 | -2.11 |
| 7,930.0 | 90.40 | 179.10 | 6,902.3 | -1,705.4 | -424.1 | 1,729.3 | 1.44 | 1.33 | -0.56 |
| 8,019.0 | 90.60 | 178.40 | 6,901.6 | -1,794.4 | -422.1 | 1,817.9 | 0.82 | 0.22 | -0.79 |
| 8,109.0 | 90.70 | 177.90 | 6,900.5 | -1,884.3 | -419.2 | 1,907.5 | 0.57 | 0.11 | -0.56 |
| 8,199.0 | 89.10 | 178.70 | 6,900.7 | -1,974.3 | -416.6 | 1,997.1 | 1.99 | -1.78 | 0.89 |
| 8,288.0 | 89.10 | 177.70 | 6,902.1 | -2,063.2 | -413.8 | 2,085.7 | 1.12 | 0.00 | -1.12 |
| 8,378.0 | 90.70 | 178.20 | 6,902.2 | -2,153.2 | -410.5 | 2,175.2 | 1.86 | 1.78 | 0.56 |
| 8,468.0 | 89.40 | 179.80 | 6,902.2 | -2,243.2 | -409.0 | 2,264.9 | 2.29 | -1.44 | 1.78 |
| 8,557.0 | 89.20 | 178.60 | 6,903.3 | -2,332.1 | -407.7 | 2,353.6 | 1.37 | -0.22 | -1.35 |
| 8,647.0 | 89.20 | 177.90 | 6,904.5 | -2,422.1 | -405.0 | 2,443.2 | 0.78 | 0.00 | -0.78 |
| 8,737.0 | 88.30 | 179.30 | 6,906.5 | -2,512.0 | -402.8 | 2,532.8 | 1.85 | -1.00 | 1.56 |
| 8,827.0 | 89.00 | 179.10 | 6,908.6 | -2,602.0 | -401.5 | 2,622.5 | 0.81 | 0.78 | -0.22 |
| 8,916.0 | 91.50 | 179.40 | 6,908.2 | -2,691.0 | -400.4 | 2,711.2 | 2.83 | 2.81 | 0.34 |
| 9,006.0 | 91.10 | 178.40 | 6,906.2 | -2,781.0 | -398.6 | 2,800.9 | 1.20 | -0.44 | -1.11 |
| 9,096.0 | 91.50 | 178.00 | 6,904.1 | -2,870.9 | -395.8 | 2,890.5 | 0.63 | 0.44 | -0.44 |
| 9,185.0 | 91.50 | 177.50 | 6,901.8 | -2,959.8 | -392.3 | 2,979.0 | 0.56 | 0.00 | -0.56 |
| 9,275.0 | 90.80 | 178.40 | 6,900.0 | -3,049.7 | -389.1 | 3,068.5 | 1.27 | -0.78 | 1.00 |
| 9,364.0 | 91.30 | 180.30 | 6,898.4 | -3,138.7 | -388.1 | 3,157.2 | 2.21 | 0.56 | 2.13 |
| 9,454.0 | 92.30 | 180.00 | 6,895.5 | -3,228.6 | -388.3 | 3,247.0 | 1.16 | 1.11 | -0.33 |
| 9,544.0 | 90.60 | 179.80 | 6,893.3 | -3,318.6 | -388.2 | 3,336.8 | 1.90 | -1.89 | -0.22 |
| 9,633.0 | 89.60 | 180.70 | 6,893.1 | -3,407.6 | -388.6 | 3,425.6 | 1.51 | -1.12 | 1.01 |

| | | | |
|------------------|---|-------------------------------------|---|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Reliance E23-79HN |
| Project: | Sec.14-T6N-R65W | TVD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Site: | Eagle E14-62-1HN Pad Sec.14-T6N-R65W | MD Reference: | WELL @ 4753.0ft (Precision 829 RKB - 16') |
| Well: | Reliance E23-79HN | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| 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) |
| 9,723.0 | 90.30 | 182.20 | 6,893.2 | -3,497.6 | -390.8 | 3,515.5 | 1.84 | 0.78 | 1.67 |
| 9,812.0 | 89.20 | 183.50 | 6,893.6 | -3,586.5 | -395.3 | 3,604.5 | 1.91 | -1.24 | 1.46 |
| 9,902.0 | 87.30 | 181.20 | 6,896.3 | -3,676.3 | -398.9 | 3,694.4 | 3.31 | -2.11 | -2.56 |
| 9,992.0 | 85.60 | 179.80 | 6,901.9 | -3,766.1 | -399.7 | 3,784.1 | 2.45 | -1.89 | -1.56 |
| 10,082.0 | 89.90 | 179.80 | 6,905.4 | -3,856.1 | -399.4 | 3,873.8 | 4.78 | 4.78 | 0.00 |
| 10,171.0 | 89.30 | 178.00 | 6,906.0 | -3,945.0 | -397.7 | 3,962.5 | 2.13 | -0.67 | -2.02 |
| 10,261.0 | 91.00 | 177.70 | 6,905.8 | -4,035.0 | -394.3 | 4,052.0 | 1.92 | 1.89 | -0.33 |
| 10,350.0 | 90.70 | 177.00 | 6,904.5 | -4,123.9 | -390.2 | 4,140.5 | 0.86 | -0.34 | -0.79 |
| 10,440.0 | 90.50 | 177.00 | 6,903.5 | -4,213.7 | -385.5 | 4,229.8 | 0.22 | -0.22 | 0.00 |
| 10,530.0 | 89.70 | 177.50 | 6,903.4 | -4,303.6 | -381.2 | 4,319.3 | 1.05 | -0.89 | 0.56 |
| 10,620.0 | 88.50 | 178.20 | 6,904.8 | -4,393.5 | -377.8 | 4,408.8 | 1.54 | -1.33 | 0.78 |
| 10,709.0 | 90.00 | 181.70 | 6,906.0 | -4,482.5 | -377.7 | 4,497.6 | 4.28 | 1.69 | 3.93 |
| 10,799.0 | 91.40 | 181.00 | 6,904.9 | -4,572.5 | -379.9 | 4,587.5 | 1.74 | 1.56 | -0.78 |
| 10,888.0 | 90.40 | 180.00 | 6,903.5 | -4,661.5 | -380.6 | 4,676.3 | 1.59 | -1.12 | -1.12 |
| 10,977.0 | 90.60 | 178.60 | 6,902.7 | -4,750.5 | -379.5 | 4,765.1 | 1.59 | 0.22 | -1.57 |
| 11,067.0 | 90.90 | 178.20 | 6,901.5 | -4,840.4 | -377.0 | 4,854.7 | 0.56 | 0.33 | -0.44 |
| 11,156.0 | 90.90 | 178.20 | 6,900.1 | -4,929.4 | -374.2 | 4,943.2 | 0.00 | 0.00 | 0.00 |
| 11,246.0 | 91.20 | 176.40 | 6,898.5 | -5,019.2 | -370.0 | 5,032.7 | 2.03 | 0.33 | -2.00 |
| 11,336.0 | 91.80 | 176.30 | 6,896.1 | -5,109.0 | -364.3 | 5,121.9 | 0.68 | 0.67 | -0.11 |
| 11,425.0 | 91.00 | 176.30 | 6,893.9 | -5,197.8 | -358.5 | 5,210.1 | 0.90 | -0.90 | 0.00 |
| 11,515.0 | 90.10 | 175.40 | 6,893.1 | -5,287.6 | -352.0 | 5,299.3 | 1.41 | -1.00 | -1.00 |
| 11,552.0 | 90.60 | 175.20 | 6,892.8 | -5,324.5 | -349.0 | 5,335.9 | 1.46 | 1.35 | -0.54 |
| 11,604.0 | 90.60 | 175.20 | 6,892.3 | -5,376.3 | -344.6 | 5,387.3 | 0.00 | 0.00 | 0.00 |

Reliance E23-79HN BHL 225'FSL & 75'FWL

Checked By: _____ Approved By: _____ Date: _____