

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

Well Name: **Dechant H25-65HN**

Surface Location: Dechant H25-65HN Pad Sec.25-T3N-R65W
North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

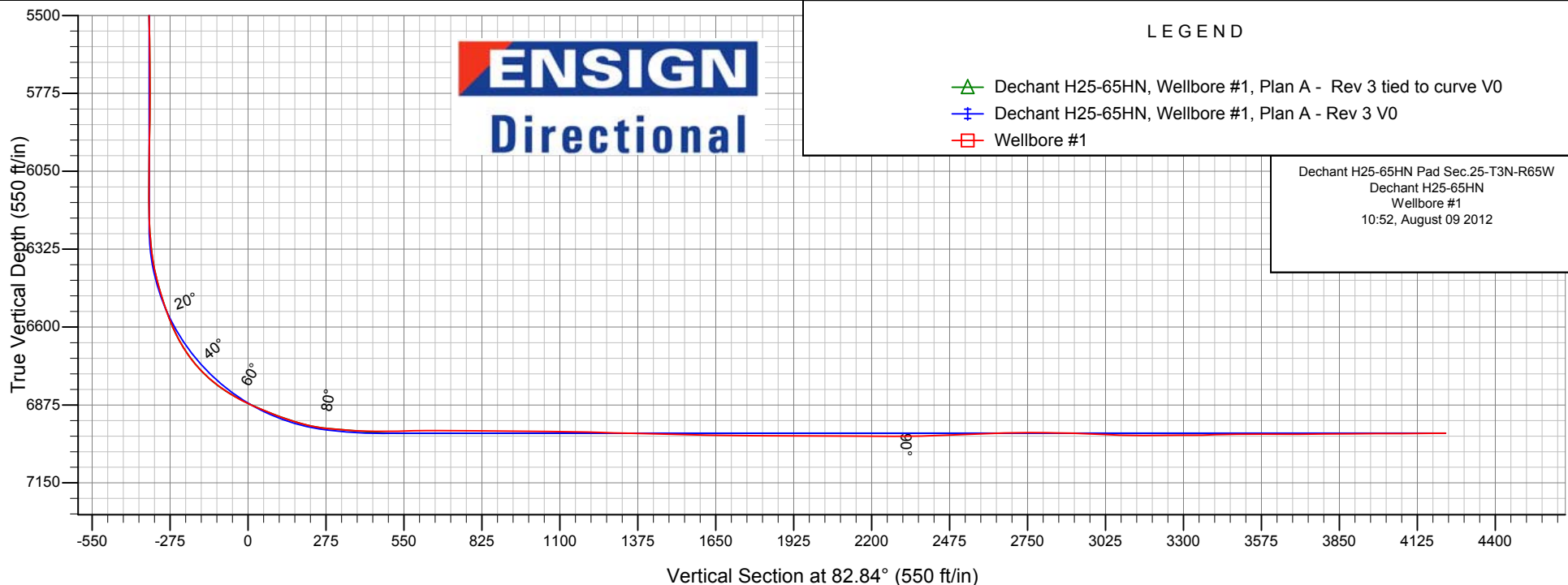
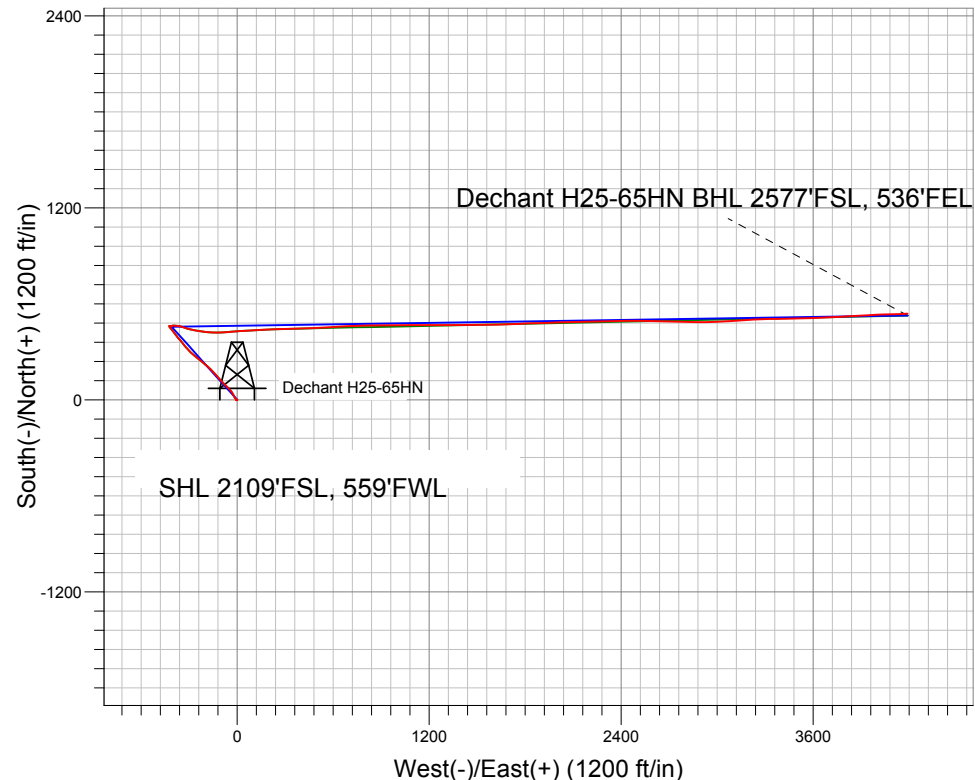
Ground Elevation: 4837.0

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
|-------|-------|------------|------------|-----------|-------------|------|
| 0.0 | 0.0 | 1314952.28 | 3245908.68 | 40.194590 | -104.619710 | |

Original Well Elev WELL @ 4850.0ft (Original Well Elev)

FINAL SURVEY

Projected Bottom Hole Location
11344' MD 6974.4' TVD 538.5' N & 4190' E
of SHL
90.4 degree Incl @ 87.9 degree AZM





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

Sec.25-T3N-R65W

Dechant H25-65HN Pad Sec.25-T3N-R65W

Dechant H25-65HN

Wellbore #1

Design: Wellbore #1

Standard Survey Report

09 August, 2012

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Dechant H25-65HN |
| Project: | Sec.25-T3N-R65W | TVD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Site: | Dechant H25-65HN Pad Sec.25-T3N-R65W | MD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Well: | Dechant H25-65HN | North Reference: | Grid |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| | | | |
|--------------------|----------------------------------|----------------------|-----------------------------|
| Project | Sec.25-T3N-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 | | Dechant H25-65HN Pad Sec.25-T3N-R65W | | | |
| Site Position: | | Northing: | 1,314,952.29 ft | Latitude: | 40.194590 |
| From: | Lat/Long | Easting: | 3,245,908.68 ft | Longitude: | -104.619710 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.57 ° |

| Well | Dechant H25-65HN | | | | | |
|----------------------|------------------|--------|---------------------|-----------------|---------------|-------------|
| Well Position | +N-S | 0.0 ft | Northing: | 1,314,952.28 ft | Latitude: | 40.194590 |
| | +E-W | 0.0 ft | Easting: | 3,245,908.68 ft | Longitude: | -104.619710 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,837.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 6/14/2012 | 8.63 | 66.87 | 52,934 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| 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 (°) | |
| | 6,975.0 | 0.0 | 0.0 | 82.84 | |

| | | | | | |
|-----------------------|----------------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date 8/9/2012 | | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 744.0 | 11,344.0 | Survey #1 (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 | |
| 21.0 | 0.00 | 0.00 | 21.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| KY Blue #H25-11 | | | | | | | | | | |
| 744.0 | 0.00 | 0.00 | 744.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| 819.0 | 1.90 | 204.10 | 819.0 | -1.1 | -0.5 | -0.6 | 2.53 | 2.53 | 0.00 | |
| 912.0 | 1.20 | 242.60 | 912.0 | -3.0 | -2.0 | -2.4 | 1.31 | -0.75 | 41.40 | |
| 1,005.0 | 1.60 | 306.70 | 1,004.9 | -2.7 | -3.9 | -4.2 | 1.64 | 0.43 | 68.92 | |
| 1,102.0 | 0.40 | 45.90 | 1,101.9 | -1.6 | -4.8 | -4.9 | 1.76 | -1.24 | 102.27 | |
| 1,197.0 | 0.70 | 75.20 | 1,196.9 | -1.2 | -4.0 | -4.1 | 0.42 | 0.32 | 30.84 | |
| 1,292.0 | 0.40 | 78.40 | 1,291.9 | -1.0 | -3.1 | -3.2 | 0.32 | -0.32 | 3.37 | |
| 1,387.0 | 0.70 | 85.10 | 1,386.9 | -0.9 | -2.2 | -2.3 | 0.32 | 0.32 | 7.05 | |
| 1,482.0 | 0.80 | 91.20 | 1,481.9 | -0.9 | -0.9 | -1.0 | 0.13 | 0.11 | 6.42 | |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Dechant H25-65HN |
| Project: | Sec.25-T3N-R65W | TVD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Site: | Dechant H25-65HN Pad Sec.25-T3N-R65W | MD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Well: | Dechant H25-65HN | 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) |
| 1,576.0 | 1.00 | 79.80 | 1,575.9 | -0.7 | 0.5 | 0.4 | 0.28 | 0.21 | -12.13 |
| 1,670.0 | 0.80 | 248.20 | 1,669.9 | -0.8 | 0.7 | 0.6 | 1.91 | -0.21 | 179.15 |
| 1,765.0 | 1.40 | 302.00 | 1,764.9 | -0.5 | -0.9 | -0.9 | 1.19 | 0.63 | 56.63 |
| 1,860.0 | 3.00 | 315.70 | 1,859.8 | 1.9 | -3.6 | -3.3 | 1.76 | 1.68 | 14.42 |
| 1,955.0 | 4.50 | 305.30 | 1,954.6 | 5.9 | -8.4 | -7.6 | 1.73 | 1.58 | -10.95 |
| 2,050.0 | 6.80 | 328.50 | 2,049.1 | 12.8 | -14.3 | -12.6 | 3.37 | 2.42 | 24.42 |
| 2,145.0 | 9.60 | 334.30 | 2,143.2 | 24.7 | -20.7 | -17.5 | 3.07 | 2.95 | 6.11 |
| 2,240.0 | 11.80 | 329.00 | 2,236.5 | 40.2 | -29.2 | -23.9 | 2.53 | 2.32 | -5.58 |
| 2,335.0 | 12.30 | 320.20 | 2,329.4 | 56.3 | -40.6 | -33.3 | 2.00 | 0.53 | -9.26 |
| 2,430.0 | 13.80 | 316.00 | 2,422.0 | 72.2 | -55.0 | -45.6 | 1.87 | 1.58 | -4.42 |
| 2,525.0 | 14.90 | 313.90 | 2,514.0 | 88.9 | -71.7 | -60.0 | 1.28 | 1.16 | -2.21 |
| 2,620.0 | 15.60 | 316.20 | 2,605.6 | 106.5 | -89.3 | -75.3 | 0.97 | 0.74 | 2.42 |
| 2,715.0 | 15.90 | 316.60 | 2,697.1 | 125.2 | -107.1 | -90.6 | 0.34 | 0.32 | 0.42 |
| 2,810.0 | 17.20 | 320.60 | 2,788.1 | 145.5 | -124.9 | -105.8 | 1.82 | 1.37 | 4.21 |
| 2,905.0 | 16.60 | 318.50 | 2,879.0 | 166.5 | -142.8 | -121.0 | 0.90 | -0.63 | -2.21 |
| 3,000.0 | 17.20 | 316.20 | 2,969.9 | 186.9 | -161.6 | -137.0 | 0.95 | 0.63 | -2.42 |
| 3,095.0 | 16.70 | 311.10 | 3,060.8 | 206.0 | -181.6 | -154.5 | 1.65 | -0.53 | -5.37 |
| 3,190.0 | 16.10 | 308.60 | 3,152.0 | 223.2 | -202.2 | -172.8 | 0.98 | -0.63 | -2.63 |
| 3,285.0 | 15.80 | 310.20 | 3,243.3 | 239.7 | -222.3 | -190.7 | 0.56 | -0.32 | 1.68 |
| 3,380.0 | 14.70 | 308.30 | 3,335.0 | 255.5 | -241.7 | -207.9 | 1.27 | -1.16 | -2.00 |
| 3,475.0 | 14.20 | 311.60 | 3,426.9 | 270.7 | -259.8 | -224.1 | 1.01 | -0.53 | 3.47 |
| 3,569.0 | 14.70 | 309.90 | 3,518.0 | 286.1 | -277.6 | -239.8 | 0.70 | 0.53 | -1.81 |
| 3,664.0 | 14.40 | 310.40 | 3,609.9 | 301.4 | -295.9 | -256.0 | 0.34 | -0.32 | 0.53 |
| 3,759.0 | 13.50 | 322.00 | 3,702.1 | 317.8 | -311.7 | -269.6 | 3.09 | -0.95 | 12.21 |
| 3,854.0 | 14.20 | 321.00 | 3,794.4 | 335.6 | -325.8 | -281.5 | 0.78 | 0.74 | -1.05 |
| 3,949.0 | 13.20 | 318.30 | 3,886.7 | 352.8 | -340.4 | -293.8 | 1.25 | -1.05 | -2.84 |
| 4,044.0 | 14.00 | 320.10 | 3,979.0 | 369.7 | -355.0 | -306.1 | 0.95 | 0.84 | 1.89 |
| 4,139.0 | 13.40 | 318.70 | 4,071.3 | 386.8 | -369.6 | -318.5 | 0.72 | -0.63 | -1.47 |
| 4,234.0 | 12.40 | 325.50 | 4,163.9 | 403.5 | -382.7 | -329.4 | 1.91 | -1.05 | 7.16 |
| 4,329.0 | 12.10 | 321.70 | 4,256.8 | 419.7 | -394.6 | -339.2 | 0.91 | -0.32 | -4.00 |
| 4,424.0 | 9.10 | 322.20 | 4,350.1 | 433.4 | -405.4 | -348.2 | 3.16 | -3.16 | 0.53 |
| 4,519.0 | 7.50 | 321.10 | 4,444.1 | 444.2 | -413.9 | -355.3 | 1.69 | -1.68 | -1.16 |
| 4,614.0 | 4.70 | 319.40 | 4,538.6 | 452.0 | -420.3 | -360.7 | 2.95 | -2.95 | -1.79 |
| 4,709.0 | 2.90 | 341.20 | 4,633.4 | 457.2 | -423.6 | -363.3 | 2.40 | -1.89 | 22.95 |
| 4,804.0 | 1.80 | 42.00 | 4,728.3 | 460.6 | -423.4 | -362.7 | 2.69 | -1.16 | 64.00 |
| 4,899.0 | 1.00 | 129.30 | 4,823.3 | 461.2 | -421.7 | -361.0 | 2.12 | -0.84 | 91.89 |
| 4,994.0 | 0.90 | 114.80 | 4,918.3 | 460.3 | -420.4 | -359.8 | 0.27 | -0.11 | -15.26 |
| 5,089.0 | 0.60 | 55.50 | 5,013.3 | 460.3 | -419.3 | -358.7 | 0.83 | -0.32 | -62.42 |
| 5,183.0 | 0.70 | 74.50 | 5,107.3 | 460.7 | -418.4 | -357.7 | 0.25 | 0.11 | 20.21 |
| 5,278.0 | 1.10 | 91.40 | 5,202.2 | 460.9 | -416.9 | -356.2 | 0.50 | 0.42 | 17.79 |
| 5,373.0 | 1.10 | 67.30 | 5,297.2 | 461.2 | -415.2 | -354.4 | 0.48 | 0.00 | -25.37 |
| 5,468.0 | 2.40 | 119.50 | 5,392.2 | 460.6 | -412.6 | -352.0 | 2.03 | 1.37 | 54.95 |
| 5,563.0 | 0.90 | 95.40 | 5,487.1 | 459.5 | -410.1 | -349.6 | 1.71 | -1.58 | -25.37 |
| 5,658.0 | 1.30 | 75.60 | 5,582.1 | 459.7 | -408.3 | -347.8 | 0.57 | 0.42 | -20.84 |
| 5,753.0 | 0.40 | 166.30 | 5,677.1 | 459.7 | -407.2 | -346.7 | 1.44 | -0.95 | 95.47 |
| 5,848.0 | 0.40 | 84.50 | 5,772.1 | 459.4 | -406.8 | -346.4 | 0.55 | 0.00 | -86.11 |
| 5,943.0 | 1.00 | 241.30 | 5,867.1 | 459.0 | -407.2 | -346.8 | 1.45 | 0.63 | 165.05 |
| 6,038.0 | 0.90 | 270.00 | 5,962.1 | 458.6 | -408.7 | -348.3 | 0.51 | -0.11 | 30.21 |
| 6,133.0 | 0.90 | 329.00 | 6,057.1 | 459.3 | -409.8 | -349.4 | 0.93 | 0.00 | 62.11 |
| 6,227.0 | 0.90 | 348.20 | 6,151.1 | 460.6 | -410.3 | -349.7 | 0.32 | 0.00 | 20.43 |
| 6,322.0 | 2.70 | 64.70 | 6,246.0 | 462.3 | -408.5 | -347.6 | 2.78 | 1.89 | 80.53 |
| 6,417.0 | 7.30 | 88.60 | 6,340.7 | 463.4 | -400.4 | -339.5 | 5.21 | 4.84 | 25.16 |
| 6,512.0 | 14.80 | 92.60 | 6,433.8 | 463.0 | -382.2 | -321.5 | 7.93 | 7.89 | 4.21 |
| 6,607.0 | 19.90 | 105.10 | 6,524.5 | 458.2 | -354.5 | -294.6 | 6.62 | 5.37 | 13.16 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
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| Site: | Dechant H25-65HN Pad Sec.25-T3N-R65W | MD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Well: | Dechant H25-65HN | 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) |
| 6,702.0 | 26.60 | 108.60 | 6,611.8 | 447.2 | -318.6 | -260.4 | 7.20 | 7.05 | 3.68 |
| 6,797.0 | 35.90 | 100.50 | 6,692.9 | 435.3 | -271.0 | -214.6 | 10.72 | 9.79 | -8.53 |
| 6,892.0 | 45.90 | 98.10 | 6,764.6 | 425.4 | -209.7 | -155.0 | 10.65 | 10.53 | -2.53 |
| 6,987.0 | 57.20 | 90.50 | 6,823.7 | 420.2 | -135.7 | -82.2 | 13.43 | 11.89 | -8.00 |
| 7,082.0 | 64.70 | 85.10 | 6,869.8 | 423.6 | -52.8 | 0.4 | 9.32 | 7.89 | -5.68 |
| 7,177.0 | 69.00 | 86.50 | 6,907.1 | 430.0 | 34.3 | 87.6 | 4.72 | 4.53 | 1.47 |
| 7,224.0 | 71.10 | 86.50 | 6,923.2 | 432.7 | 78.4 | 131.7 | 4.47 | 4.47 | 0.00 |
| 7,272.0 | 73.10 | 86.30 | 6,937.9 | 435.5 | 124.0 | 177.3 | 4.19 | 4.17 | -0.42 |
| 7,319.0 | 78.50 | 87.00 | 6,949.4 | 438.2 | 169.5 | 222.8 | 11.58 | 11.49 | 1.49 |
| 7,393.0 | 85.60 | 88.60 | 6,959.7 | 441.0 | 242.6 | 295.7 | 9.83 | 9.59 | 2.16 |
| 7,444.0 | 85.60 | 88.60 | 6,963.6 | 442.2 | 293.5 | 346.3 | 0.00 | 0.00 | 0.00 |
| 7,491.0 | 87.10 | 88.20 | 6,966.6 | 443.5 | 340.4 | 393.0 | 3.30 | 3.19 | -0.85 |
| 7,586.0 | 91.50 | 87.70 | 6,967.7 | 446.9 | 435.3 | 487.6 | 4.66 | 4.63 | -0.53 |
| 7,681.0 | 90.80 | 87.50 | 6,965.8 | 450.9 | 530.2 | 582.2 | 0.77 | -0.74 | -0.21 |
| 7,776.0 | 89.60 | 85.90 | 6,965.5 | 456.4 | 625.0 | 677.0 | 2.11 | -1.26 | -1.68 |
| 7,870.0 | 89.40 | 87.70 | 6,966.3 | 461.6 | 718.9 | 770.8 | 1.93 | -0.21 | 1.91 |
| 7,965.0 | 90.00 | 89.10 | 6,966.8 | 464.3 | 813.8 | 865.3 | 1.60 | 0.63 | 1.47 |
| 8,060.0 | 89.00 | 90.00 | 6,967.6 | 465.0 | 908.8 | 959.7 | 1.42 | -1.05 | 0.95 |
| 8,155.0 | 89.60 | 89.10 | 6,968.8 | 465.8 | 1,003.8 | 1,054.0 | 1.14 | 0.63 | -0.95 |
| 8,250.0 | 89.30 | 90.30 | 6,969.7 | 466.3 | 1,098.8 | 1,148.3 | 1.30 | -0.32 | 1.26 |
| 8,345.0 | 87.80 | 90.00 | 6,972.1 | 466.0 | 1,193.8 | 1,242.5 | 1.61 | -1.58 | -0.32 |
| 8,440.0 | 88.80 | 88.90 | 6,974.9 | 466.9 | 1,288.7 | 1,336.9 | 1.56 | 1.05 | -1.16 |
| 8,535.0 | 88.50 | 89.40 | 6,977.2 | 468.3 | 1,383.7 | 1,431.3 | 0.61 | -0.32 | 0.53 |
| 8,630.0 | 88.70 | 90.30 | 6,979.5 | 468.6 | 1,478.6 | 1,525.5 | 0.97 | 0.21 | 0.95 |
| 8,725.0 | 89.00 | 89.80 | 6,981.4 | 468.5 | 1,573.6 | 1,619.7 | 0.61 | 0.32 | -0.53 |
| 8,820.0 | 89.30 | 87.90 | 6,982.8 | 470.4 | 1,668.6 | 1,714.2 | 2.02 | 0.32 | -2.00 |
| 8,915.0 | 89.50 | 87.20 | 6,983.8 | 474.5 | 1,763.5 | 1,808.9 | 0.77 | 0.21 | -0.74 |
| 9,009.0 | 90.10 | 88.60 | 6,984.1 | 477.9 | 1,857.4 | 1,902.5 | 1.62 | 0.64 | 1.49 |
| 9,104.0 | 90.10 | 87.30 | 6,984.0 | 481.3 | 1,952.4 | 1,997.1 | 1.37 | 0.00 | -1.37 |
| 9,199.0 | 89.30 | 89.10 | 6,984.5 | 484.3 | 2,047.3 | 2,091.7 | 2.07 | -0.84 | 1.89 |
| 9,294.0 | 89.60 | 88.70 | 6,985.4 | 486.1 | 2,142.3 | 2,186.2 | 0.53 | 0.32 | -0.42 |
| 9,389.0 | 89.90 | 88.40 | 6,985.8 | 488.5 | 2,237.3 | 2,280.7 | 0.45 | 0.32 | -0.32 |
| 9,484.0 | 91.50 | 88.20 | 6,984.6 | 491.3 | 2,332.2 | 2,375.3 | 1.70 | 1.68 | -0.21 |
| 9,579.0 | 92.20 | 89.10 | 6,981.6 | 493.6 | 2,427.1 | 2,469.7 | 1.20 | 0.74 | 0.95 |
| 9,674.0 | 92.30 | 90.70 | 6,977.8 | 493.7 | 2,522.0 | 2,563.9 | 1.69 | 0.11 | 1.68 |
| 9,769.0 | 91.90 | 91.90 | 6,974.4 | 491.6 | 2,617.0 | 2,657.8 | 1.33 | -0.42 | 1.26 |
| 9,864.0 | 89.90 | 91.20 | 6,972.9 | 489.0 | 2,711.9 | 2,751.7 | 2.23 | -2.11 | -0.74 |
| 9,959.0 | 89.30 | 91.70 | 6,973.5 | 486.6 | 2,806.9 | 2,845.6 | 0.82 | -0.63 | 0.53 |
| 10,054.0 | 87.80 | 90.10 | 6,975.9 | 485.1 | 2,901.8 | 2,939.7 | 2.31 | -1.58 | -1.68 |
| 10,149.0 | 87.40 | 87.20 | 6,979.9 | 487.4 | 2,996.7 | 3,034.1 | 3.08 | -0.42 | -3.05 |
| 10,244.0 | 89.40 | 86.30 | 6,982.6 | 492.7 | 3,091.5 | 3,128.8 | 2.31 | 2.11 | -0.95 |
| 10,339.0 | 90.80 | 86.30 | 6,982.4 | 498.9 | 3,186.3 | 3,223.6 | 1.47 | 1.47 | 0.00 |
| 10,434.0 | 90.10 | 88.20 | 6,981.7 | 503.4 | 3,281.2 | 3,318.4 | 2.13 | -0.74 | 2.00 |
| 10,529.0 | 92.00 | 88.70 | 6,979.9 | 506.0 | 3,376.1 | 3,412.9 | 2.07 | 2.00 | 0.53 |
| 10,624.0 | 90.20 | 89.60 | 6,978.1 | 507.4 | 3,471.1 | 3,507.3 | 2.12 | -1.89 | 0.95 |
| 10,719.0 | 89.30 | 87.50 | 6,978.5 | 509.8 | 3,566.1 | 3,601.8 | 2.40 | -0.95 | -2.21 |
| 10,814.0 | 91.00 | 87.90 | 6,978.3 | 513.6 | 3,661.0 | 3,696.5 | 1.84 | 1.79 | 0.42 |
| 10,909.0 | 89.90 | 86.50 | 6,977.5 | 518.3 | 3,755.9 | 3,791.2 | 1.87 | -1.16 | -1.47 |
| 11,004.0 | 90.60 | 87.20 | 6,977.1 | 523.5 | 3,850.7 | 3,885.9 | 1.04 | 0.74 | 0.74 |
| 11,099.0 | 90.50 | 86.80 | 6,976.2 | 528.5 | 3,945.6 | 3,980.7 | 0.43 | -0.11 | -0.42 |
| 11,194.0 | 90.00 | 87.90 | 6,975.8 | 532.9 | 4,040.5 | 4,075.4 | 1.27 | -0.53 | 1.16 |
| 11,288.0 | 90.40 | 87.90 | 6,975.4 | 536.3 | 4,134.4 | 4,169.0 | 0.43 | 0.43 | 0.00 |
| 11,344.0 | 90.40 | 87.90 | 6,975.0 | 538.3 | 4,190.4 | 4,224.8 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Company: | Noble Energy Inc.- Weld County, CO (Grid North) | Local Co-ordinate Reference: | Well Dechant H25-65HN |
| Project: | Sec.25-T3N-R65W | TVD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Site: | Dechant H25-65HN Pad Sec.25-T3N-R65W | MD Reference: | WELL @ 4850.0ft (Original Well Elev) |
| Well: | Dechant H25-65HN | 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) |
| Dechant H25-65HN BHL 2565'FSL, 535'FEL | | | | | | | | | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|