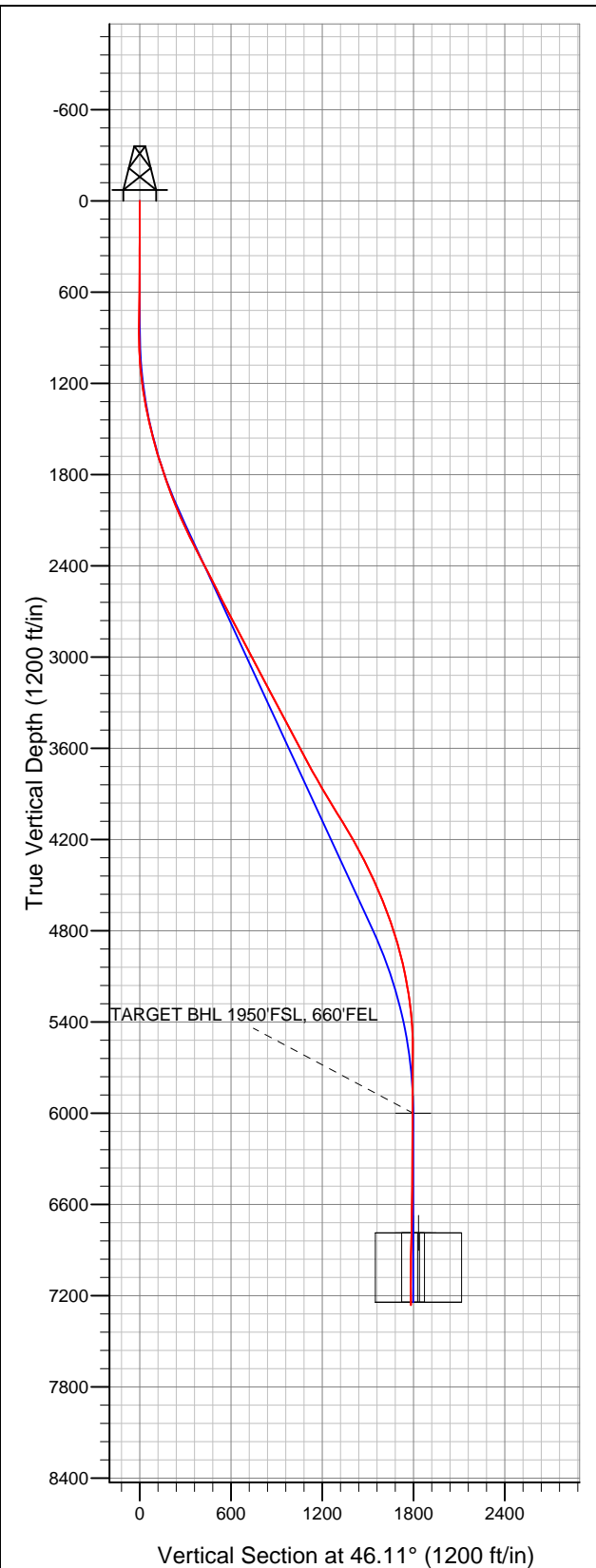


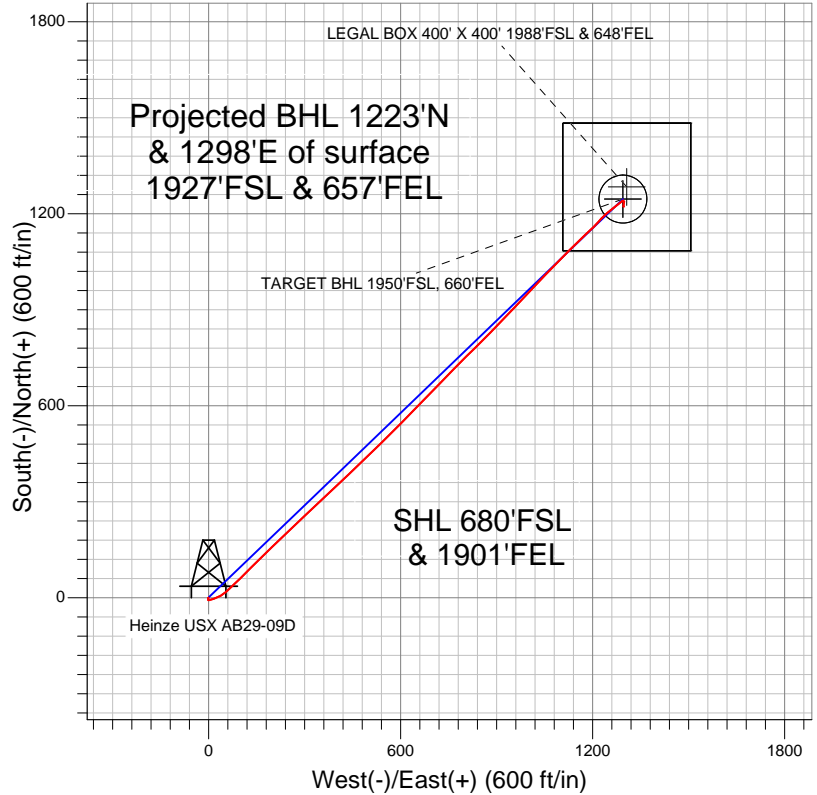
Well Name: Heinze USX AB29-09D

Surface Location: Heinze USX AB29-09D Pad Sec.29-T7N-R64W
North American Datum 1983 US State Plane 1983 Colorado Northern Zone
Ground Elevation: 4810.0

| | | | | | | |
|-------|-------|--------------------|--------------------------------------|-----------|-------------|------|
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | Slot |
| 0.0 | 0.0 | 1440366.90 | 3258016.59 | 40.538500 | -104.571670 | |
| | | Original Well Elev | WELL @ 4823.0ft (Original Well Elev) | | | |



NOBLE ENERGY INC WELD COUNTY CO



LEGEND

- Survey #1
- Heinze USX AB29-09D, Wellbore #1, Plan #1 (3-14-11) V0
- Wellbore #1

Final Survey Plot

Projected Final Survey -
7658'MD & 7262'TVD @ 1783'VS
0.40 deg Inc 54.60 deg AZ

Project: SEC.29-T7N-R64W
Site: Heinze USX AB29-09D Pad Sec.29-T7N-R64W
Well: Heinze USX AB29-09D
Plan: Wellbore #1



NOBLE ENERGY INC WELD COUNTY CO

SEC.29-T7N-R64W

Heinze USX AB29-09D Pad Sec.29-T7N-R64W

Heinze USX AB29-09D

Wellbore #1

Survey: Survey #1

Standard Survey Report

27 January, 2012



| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Company: | NOBLE ENERGY INC WELD COUNTY CO | Local Co-ordinate Reference: | Well Heinze USX AB29-09D |
| Project: | SEC.29-T7N-R64W | TVD Reference: | WELL @ 4823.0ft (Original Well Elev) |
| Site: | Heinze USX AB29-09D Pad Sec.29-T7N-R64W | MD Reference: | WELL @ 4823.0ft (Original Well Elev) |
| Well: | Heinze USX AB29-09D | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | Landmark |

| | | | |
|--------------------|---------------------------|----------------------|-----------------------------|
| Project | SEC.29-T7N-R64W | | |
| 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 | | Heinze USX AB29-09D Pad Sec.29-T7N-R64W | | | |
| Site Position: | | Northing: | 1,440,366.91 ft | Latitude: | 40.538500 |
| From: | Lat/Long | Easting: | 3,258,016.59 ft | Longitude: | -104.571670 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | " | Grid Convergence: | 0.60 ° |

| | | | | | | |
|----------------------|---------------------|--------|---------------------|-----------------|---------------|-------------|
| Well | Heinze USX AB29-09D | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,440,366.90 ft | Latitude: | 40.538500 |
| | +E/-W | 0.0 ft | Easting: | 3,258,016.59 ft | Longitude: | -104.571670 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,810.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 1/6/2012 | 8.70 | 67.18 | 53,165 |

| | | | | | |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|-----|
| 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 | 46.11 | |

| | | | | | |
|-----------------------|----------------|--------------------------|------------------|--------------------|--|
| Survey Program | Date | 1/26/2012 | | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 138.0 | 7,658.0 | 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 | |
| 138.0 | 0.40 | 277.50 | 138.0 | 0.1 | -0.5 | -0.3 | 0.29 | 0.29 | 0.00 | |
| 228.0 | 0.40 | 175.90 | 228.0 | -0.2 | -0.8 | -0.7 | 0.69 | 0.00 | -112.89 | |
| 318.0 | 0.40 | 207.30 | 318.0 | -0.8 | -0.9 | -1.2 | 0.24 | 0.00 | 34.89 | |
| 435.0 | 0.40 | 201.40 | 435.0 | -1.5 | -1.2 | -2.0 | 0.04 | 0.00 | -5.04 | |
| 563.0 | 0.90 | 161.50 | 563.0 | -2.9 | -1.1 | -2.8 | 0.50 | 0.39 | -31.17 | |
| 690.0 | 0.80 | 189.20 | 690.0 | -4.7 | -0.9 | -3.9 | 0.33 | -0.08 | 21.81 | |
| 789.0 | 0.80 | 188.50 | 789.0 | -6.1 | -1.1 | -5.0 | 0.01 | 0.00 | -0.71 | |
| 855.0 | 0.80 | 161.80 | 855.0 | -7.0 | -1.0 | -5.6 | 0.56 | 0.00 | -40.45 | |
| 984.0 | 2.90 | 73.00 | 983.9 | -6.9 | 2.4 | -3.1 | 2.32 | 1.63 | -68.84 | |
| 1,112.0 | 6.20 | 74.60 | 1,111.5 | -4.1 | 12.1 | 5.9 | 2.58 | 2.58 | 1.25 | |
| 1,241.0 | 8.90 | 67.80 | 1,239.3 | 1.5 | 28.1 | 21.3 | 2.20 | 2.09 | -5.27 | |
| 1,369.0 | 11.40 | 53.00 | 1,365.4 | 12.9 | 47.4 | 43.1 | 2.81 | 1.95 | -11.56 | |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Company: | NOBLE ENERGY INC WELD COUNTY CO | Local Co-ordinate Reference: | Well Heinze USX AB29-09D |
| Project: | SEC.29-T7N-R64W | TVD Reference: | WELL @ 4823.0ft (Original Well Elev) |
| Site: | Heinze USX AB29-09D Pad Sec.29-T7N-R64W | MD Reference: | WELL @ 4823.0ft (Original Well Elev) |
| Well: | Heinze USX AB29-09D | North Reference: | True |
| 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) |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| 1,497.0 | 13.10 | 45.30 | 1,490.4 | 30.7 | 67.8 | 70.1 | 1.84 | 1.33 | -6.02 |
| 1,626.0 | 15.90 | 47.20 | 1,615.3 | 53.0 | 91.1 | 102.4 | 2.20 | 2.17 | 1.47 |
| 1,754.0 | 18.00 | 44.70 | 1,737.8 | 79.0 | 117.9 | 139.7 | 1.74 | 1.64 | -1.95 |
| 1,883.0 | 19.80 | 44.70 | 1,859.8 | 108.7 | 147.3 | 181.5 | 1.40 | 1.40 | 0.00 |
| 2,011.0 | 21.50 | 45.40 | 1,979.6 | 140.5 | 179.3 | 226.6 | 1.34 | 1.33 | 0.55 |
| 2,139.0 | 24.10 | 46.70 | 2,097.6 | 174.9 | 215.0 | 276.2 | 2.07 | 2.03 | 1.02 |
| 2,268.0 | 26.60 | 47.00 | 2,214.1 | 212.7 | 255.3 | 331.4 | 1.94 | 1.94 | 0.23 |
| 2,396.0 | 27.20 | 46.80 | 2,328.3 | 252.3 | 297.6 | 389.3 | 0.47 | 0.47 | -0.16 |
| 2,525.0 | 27.20 | 46.30 | 2,443.0 | 292.8 | 340.4 | 448.3 | 0.18 | 0.00 | -0.39 |
| 2,653.0 | 26.30 | 45.80 | 2,557.3 | 332.8 | 381.9 | 505.9 | 0.72 | -0.70 | -0.39 |
| 2,781.0 | 27.80 | 46.50 | 2,671.3 | 373.1 | 423.8 | 564.1 | 1.20 | 1.17 | 0.55 |
| 2,910.0 | 27.20 | 46.30 | 2,785.7 | 414.2 | 467.0 | 623.7 | 0.47 | -0.47 | -0.16 |
| 3,038.0 | 28.30 | 46.70 | 2,899.0 | 455.2 | 510.2 | 683.3 | 0.87 | 0.86 | 0.31 |
| 3,167.0 | 28.10 | 45.10 | 3,012.7 | 497.6 | 554.0 | 744.2 | 0.61 | -0.16 | -1.24 |
| 3,295.0 | 27.30 | 45.10 | 3,126.0 | 539.6 | 596.1 | 803.7 | 0.63 | -0.63 | 0.00 |
| 3,423.0 | 27.70 | 44.00 | 3,239.6 | 581.8 | 637.6 | 862.8 | 0.51 | 0.31 | -0.86 |
| 3,552.0 | 28.10 | 44.00 | 3,353.6 | 625.2 | 679.5 | 923.1 | 0.31 | 0.31 | 0.00 |
| 3,680.0 | 28.00 | 44.40 | 3,466.5 | 668.3 | 721.5 | 983.3 | 0.17 | -0.08 | 0.31 |
| 3,809.0 | 27.60 | 44.20 | 3,580.6 | 711.4 | 763.5 | 1,043.4 | 0.32 | -0.31 | -0.16 |
| 3,937.0 | 28.50 | 44.70 | 3,693.6 | 754.3 | 805.7 | 1,103.6 | 0.73 | 0.70 | 0.39 |
| 4,065.0 | 29.60 | 46.00 | 3,805.5 | 798.0 | 849.9 | 1,165.7 | 0.99 | 0.86 | 1.02 |
| 4,194.0 | 30.90 | 43.70 | 3,916.9 | 844.1 | 895.7 | 1,230.7 | 1.35 | 1.01 | -1.78 |
| 4,322.0 | 31.60 | 43.50 | 4,026.4 | 892.2 | 941.5 | 1,297.0 | 0.55 | 0.55 | -0.16 |
| 4,451.0 | 31.60 | 44.20 | 4,136.2 | 940.9 | 988.3 | 1,364.6 | 0.28 | 0.00 | 0.54 |
| 4,579.0 | 28.30 | 43.70 | 4,247.1 | 986.9 | 1,032.7 | 1,428.4 | 2.59 | -2.58 | -0.39 |
| 4,707.0 | 26.30 | 43.70 | 4,360.9 | 1,029.4 | 1,073.2 | 1,487.1 | 1.56 | -1.56 | 0.00 |
| 4,836.0 | 24.10 | 43.20 | 4,477.6 | 1,069.2 | 1,111.0 | 1,541.9 | 1.71 | -1.71 | -0.39 |
| 4,964.0 | 22.80 | 45.60 | 4,595.0 | 1,105.6 | 1,146.6 | 1,592.8 | 1.26 | -1.02 | 1.88 |
| 5,093.0 | 20.10 | 48.80 | 4,715.1 | 1,137.7 | 1,181.2 | 1,640.0 | 2.28 | -2.09 | 2.48 |
| 5,221.0 | 16.70 | 42.60 | 4,836.5 | 1,165.8 | 1,210.2 | 1,680.3 | 3.06 | -2.66 | -4.84 |
| 5,349.0 | 14.70 | 44.00 | 4,959.7 | 1,191.0 | 1,233.9 | 1,714.9 | 1.59 | -1.56 | 1.09 |
| 5,478.0 | 11.30 | 52.30 | 5,085.4 | 1,210.5 | 1,255.3 | 1,743.8 | 3.00 | -2.64 | 6.43 |
| 5,606.0 | 9.10 | 53.50 | 5,211.4 | 1,224.2 | 1,273.3 | 1,766.4 | 1.73 | -1.72 | 0.94 |
| 5,735.0 | 5.90 | 49.70 | 5,339.3 | 1,234.5 | 1,286.6 | 1,783.1 | 2.51 | -2.48 | -2.95 |
| 5,863.0 | 2.70 | 52.80 | 5,466.9 | 1,240.6 | 1,294.0 | 1,792.7 | 2.51 | -2.50 | 2.42 |
| 5,991.0 | 1.60 | 175.90 | 5,594.9 | 1,240.7 | 1,296.5 | 1,794.5 | 2.98 | -0.86 | 96.17 |
| 6,120.0 | 1.10 | 106.00 | 5,723.8 | 1,238.5 | 1,297.9 | 1,794.0 | 1.24 | -0.39 | -54.19 |
| 6,248.0 | 0.10 | 168.70 | 5,851.8 | 1,238.1 | 1,299.1 | 1,794.5 | 0.83 | -0.78 | 48.98 |
| 6,377.0 | 0.50 | 224.60 | 5,980.8 | 1,237.6 | 1,298.7 | 1,793.9 | 0.35 | 0.31 | 43.33 |
| 6,396.1 | 0.51 | 222.79 | 6,000.0 | 1,237.4 | 1,298.6 | 1,793.7 | 0.11 | 0.07 | -9.44 |
| TARGET BHL 1950'FSL, 660'FEL | | | | | | | | | |
| 6,505.0 | 0.60 | 214.20 | 6,108.8 | 1,236.6 | 1,297.9 | 1,792.7 | 0.11 | 0.08 | -7.89 |
| 6,633.0 | 0.30 | 189.90 | 6,236.8 | 1,235.7 | 1,297.5 | 1,791.8 | 0.27 | -0.23 | -18.98 |
| 6,762.0 | 0.40 | 168.80 | 6,365.8 | 1,235.0 | 1,297.5 | 1,791.3 | 0.13 | 0.08 | -16.36 |
| 6,890.0 | 0.60 | 162.30 | 6,493.8 | 1,233.9 | 1,297.8 | 1,790.7 | 0.16 | 0.16 | -5.08 |
| 7,019.0 | 0.90 | 184.30 | 6,622.8 | 1,232.2 | 1,297.9 | 1,789.7 | 0.32 | 0.23 | 17.05 |
| 7,147.0 | 1.50 | 191.00 | 6,750.8 | 1,229.6 | 1,297.5 | 1,787.5 | 0.48 | 0.47 | 5.23 |
| 7,181.7 | 1.58 | 191.28 | 6,785.5 | 1,228.7 | 1,297.4 | 1,786.8 | 0.24 | 0.23 | 0.80 |
| LEGAL BOX 400' X 400' 1988'FSL & 648'FEL | | | | | | | | | |
| 7,182.8 | 1.58 | 191.29 | 6,786.5 | 1,228.6 | 1,297.4 | 1,786.8 | 0.24 | 0.23 | 0.76 |
| TARGET CIRCLE 1950'FSL, 660'FEL | | | | | | | | | |
| 7,275.0 | 1.80 | 191.90 | 6,878.7 | 1,226.0 | 1,296.8 | 1,784.5 | 0.24 | 0.23 | 0.67 |
| 7,404.0 | 0.60 | 142.50 | 7,007.7 | 1,223.5 | 1,296.8 | 1,782.8 | 1.15 | -0.93 | -38.29 |
| 7,532.0 | 0.40 | 178.00 | 7,135.7 | 1,222.5 | 1,297.2 | 1,782.4 | 0.28 | -0.16 | 27.73 |

| | | | |
|------------------|---|-------------------------------------|--------------------------------------|
| Company: | NOBLE ENERGY INC WELD COUNTY CO | Local Co-ordinate Reference: | Well Heinze USX AB29-09D |
| Project: | SEC.29-T7N-R64W | TVD Reference: | WELL @ 4823.0ft (Original Well Elev) |
| Site: | Heinze USX AB29-09D Pad Sec.29-T7N-R64W | MD Reference: | WELL @ 4823.0ft (Original Well Elev) |
| Well: | Heinze USX AB29-09D | North Reference: | True |
| 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) |
| 7,611.0 | 0.40 | 54.60 | 7,214.7 | 1,222.4 | 1,297.5 | 1,782.5 | 0.89 | 0.00 | -156.20 |
| 7,658.0 | 0.40 | 54.60 | 7,261.7 | 1,222.5 | 1,297.7 | 1,782.8 | 0.00 | 0.00 | 0.00 |

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