

EnCana Oil & Gas (USA) Inc.

Rio Blanco County, CO

Sec.15-T1S-R100W

CBU DV16C-15 015 1100

Plan A

Plan: Rev A0

Sperry Drilling Services

Proposal Report

15 October, 2014

Well Coordinates: 1,242,409.56 N, 2,131,571.99 E (39° 57' 25.72" N, 108° 35' 54.64" W)

Ground Level: 8,341.00 usft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Geodetic Scale Factor Applied

Version: 5000.1 Build: 70

Centered on Well CBU DV16C-15 015 1100

RKB 22' @ 8363.00usft (Nabors M15)

N

True

API - US Survey Feet - Custom

HALLIBURTON

Plan Report for CBU DV16C-15 015 1100 - Rev A0

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | Toolface Azimuth (°) |
|--------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|----------------------------|
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Green River | | | | | | | | | | |
| 77.00 | 0.00 | 0.00 | 77.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Base B Groove | | | | | | | | | | |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Build at 200.00ft | | | | | | | | | | |
| 300.00 | 1.00 | 15.00 | 299.99 | 0.84 | 0.23 | 0.87 | 1.00 | 1.00 | 0.00 | 15.00 |
| 400.00 | 2.00 | 15.00 | 399.96 | 3.37 | 0.90 | 3.49 | 1.00 | 1.00 | 0.00 | 0.00 |
| 500.00 | 3.00 | 15.00 | 499.86 | 7.58 | 2.03 | 7.85 | 1.00 | 1.00 | 0.00 | 0.00 |
| 550.30 | 3.50 | 15.00 | 550.08 | 10.33 | 2.77 | 10.70 | 1.00 | 1.00 | 0.00 | 0.00 |
| End Build at 550.30ft | | | | | | | | | | |
| 600.00 | 3.50 | 15.00 | 599.69 | 13.26 | 3.55 | 13.73 | 0.00 | 0.00 | 0.00 | 0.00 |
| 700.00 | 3.50 | 15.00 | 699.50 | 19.16 | 5.13 | 19.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 800.00 | 3.50 | 15.00 | 799.32 | 25.06 | 6.71 | 25.94 | 0.00 | 0.00 | 0.00 | 0.00 |
| 900.00 | 3.50 | 15.00 | 899.13 | 30.95 | 8.29 | 32.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,000.00 | 3.50 | 15.00 | 998.94 | 36.85 | 9.87 | 38.15 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,100.00 | 3.50 | 15.00 | 1,098.76 | 42.75 | 11.45 | 44.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,200.00 | 3.50 | 15.00 | 1,198.57 | 48.64 | 13.03 | 50.36 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,300.00 | 3.50 | 15.00 | 1,298.38 | 54.54 | 14.61 | 56.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,400.00 | 3.50 | 15.00 | 1,398.20 | 60.44 | 16.19 | 62.57 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,500.00 | 3.50 | 15.00 | 1,498.01 | 66.33 | 17.77 | 68.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,600.00 | 3.50 | 15.00 | 1,597.82 | 72.23 | 19.35 | 74.78 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,700.00 | 3.50 | 15.00 | 1,697.64 | 78.13 | 20.93 | 80.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,800.00 | 3.50 | 15.00 | 1,797.45 | 84.02 | 22.51 | 86.99 | 0.00 | 0.00 | 0.00 | 0.00 |
| 1,900.00 | 3.50 | 15.00 | 1,897.26 | 89.92 | 24.09 | 93.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,000.00 | 3.50 | 15.00 | 1,997.08 | 95.82 | 25.67 | 99.20 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,100.00 | 3.50 | 15.00 | 2,096.89 | 101.71 | 27.25 | 105.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,200.00 | 3.50 | 15.00 | 2,196.71 | 107.61 | 28.83 | 111.41 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,300.00 | 3.50 | 15.00 | 2,296.52 | 113.51 | 30.41 | 117.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,400.00 | 3.50 | 15.00 | 2,396.33 | 119.41 | 31.99 | 123.62 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,500.00 | 3.50 | 15.00 | 2,496.15 | 125.30 | 33.57 | 129.72 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9 5/8" | | | | | | | | | | |
| 2,600.00 | 3.50 | 15.00 | 2,595.96 | 131.20 | 35.15 | 135.83 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,700.00 | 3.50 | 15.00 | 2,695.77 | 137.10 | 36.73 | 141.93 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,800.00 | 3.50 | 15.00 | 2,795.59 | 142.99 | 38.31 | 148.04 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,900.00 | 3.50 | 15.00 | 2,895.40 | 148.89 | 39.89 | 154.14 | 0.00 | 0.00 | 0.00 | 0.00 |
| 2,919.64 | 3.50 | 15.00 | 2,915.00 | 150.05 | 40.21 | 155.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | | |
| 3,000.00 | 3.50 | 15.00 | 2,995.21 | 154.79 | 41.47 | 160.25 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,100.00 | 3.50 | 15.00 | 3,095.03 | 160.68 | 43.05 | 166.35 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,200.00 | 3.50 | 15.00 | 3,194.84 | 166.58 | 44.63 | 172.46 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,300.00 | 3.50 | 15.00 | 3,294.65 | 172.48 | 46.22 | 178.56 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,400.00 | 3.50 | 15.00 | 3,394.47 | 178.37 | 47.80 | 184.67 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,500.00 | 3.50 | 15.00 | 3,494.28 | 184.27 | 49.38 | 190.77 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,600.00 | 3.50 | 15.00 | 3,594.09 | 190.17 | 50.96 | 196.88 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,700.00 | 3.50 | 15.00 | 3,693.91 | 196.06 | 52.54 | 202.98 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,800.00 | 3.50 | 15.00 | 3,793.72 | 201.96 | 54.12 | 209.09 | 0.00 | 0.00 | 0.00 | 0.00 |
| 3,900.00 | 3.50 | 15.00 | 3,893.53 | 207.86 | 55.70 | 215.19 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,000.00 | 3.50 | 15.00 | 3,993.35 | 213.75 | 57.28 | 221.30 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,100.00 | 3.50 | 15.00 | 4,093.16 | 219.65 | 58.86 | 227.40 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,200.00 | 3.50 | 15.00 | 4,192.97 | 225.55 | 60.44 | 233.50 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,300.00 | 3.50 | 15.00 | 4,292.79 | 231.45 | 62.02 | 239.61 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,400.00 | 3.50 | 15.00 | 4,392.60 | 237.34 | 63.60 | 245.71 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,500.00 | 3.50 | 15.00 | 4,492.42 | 243.24 | 65.18 | 251.82 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,600.00 | 3.50 | 15.00 | 4,592.23 | 249.14 | 66.76 | 257.92 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,700.00 | 3.50 | 15.00 | 4,692.04 | 255.03 | 68.34 | 264.03 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,800.00 | 3.50 | 15.00 | 4,791.86 | 260.93 | 69.92 | 270.13 | 0.00 | 0.00 | 0.00 | 0.00 |

Plan Report for CBU DV16C-15 015 1100 - Rev A0

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | Toolface Azimuth (°) |
|--------------------------------|--------------------|----------------|-----------------------------|-----------------|-----------------|-------------------------------|-------------------------------|------------------------------|-----------------------------|----------------------------|
| 4,900.00 | 3.50 | 15.00 | 4,891.67 | 266.83 | 71.50 | 276.24 | 0.00 | 0.00 | 0.00 | 0.00 |
| 4,989.50 | 3.50 | 15.00 | 4,981.00 | 272.10 | 72.91 | 281.70 | 0.00 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | | |
| 5,000.00 | 3.50 | 15.00 | 4,991.48 | 272.72 | 73.08 | 282.34 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,100.00 | 3.50 | 15.00 | 5,091.30 | 278.62 | 74.66 | 288.45 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,200.00 | 3.50 | 15.00 | 5,191.11 | 284.52 | 76.24 | 294.55 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,300.00 | 3.50 | 15.00 | 5,290.92 | 290.41 | 77.82 | 300.66 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,400.00 | 3.50 | 15.00 | 5,390.74 | 296.31 | 79.40 | 306.76 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,500.00 | 3.50 | 15.00 | 5,490.55 | 302.21 | 80.98 | 312.87 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,600.00 | 3.50 | 15.00 | 5,590.36 | 308.10 | 82.56 | 318.97 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,700.00 | 3.50 | 15.00 | 5,690.18 | 314.00 | 84.14 | 325.08 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,800.00 | 3.50 | 15.00 | 5,789.99 | 319.90 | 85.72 | 331.18 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,900.00 | 3.50 | 15.00 | 5,889.80 | 325.79 | 87.30 | 337.29 | 0.00 | 0.00 | 0.00 | 0.00 |
| 5,920.10 | 3.50 | 15.00 | 5,909.87 | 326.98 | 87.61 | 338.51 | 0.00 | 0.00 | 0.00 | 0.00 |
| Begin Drop at 5920.10ft | | | | | | | | | | |
| 6,000.00 | 2.70 | 15.00 | 5,989.65 | 331.15 | 88.73 | 342.84 | 1.00 | -1.00 | 0.00 | 180.00 |
| 6,100.00 | 1.70 | 15.00 | 6,089.57 | 334.87 | 89.73 | 346.68 | 1.00 | -1.00 | 0.00 | 180.00 |
| 6,200.00 | 0.70 | 15.00 | 6,189.55 | 336.90 | 90.27 | 348.78 | 1.00 | -1.00 | 0.00 | 180.00 |
| 6,270.50 | 0.00 | 0.00 | 6,260.05 | 337.31 | 90.38 | 349.21 | 1.00 | -1.00 | 0.00 | -180.00 |
| End Drop at 6270.50ft | | | | | | | | | | |
| 6,300.00 | 0.00 | 0.00 | 6,289.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6,400.00 | 0.00 | 0.00 | 6,389.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6,500.00 | 0.00 | 0.00 | 6,489.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6,600.00 | 0.00 | 0.00 | 6,589.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6,700.00 | 0.00 | 0.00 | 6,689.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6,800.00 | 0.00 | 0.00 | 6,789.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 6,900.00 | 0.00 | 0.00 | 6,889.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,000.00 | 0.00 | 0.00 | 6,989.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,100.00 | 0.00 | 0.00 | 7,089.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,175.45 | 0.00 | 0.00 | 7,165.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Mancos Mrkr | | | | | | | | | | |
| 7,200.00 | 0.00 | 0.00 | 7,189.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,300.00 | 0.00 | 0.00 | 7,289.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,400.00 | 0.00 | 0.00 | 7,389.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,500.00 | 0.00 | 0.00 | 7,489.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,600.00 | 0.00 | 0.00 | 7,589.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,700.00 | 0.00 | 0.00 | 7,689.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,800.00 | 0.00 | 0.00 | 7,789.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 7,900.00 | 0.00 | 0.00 | 7,889.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,000.00 | 0.00 | 0.00 | 7,989.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,100.00 | 0.00 | 0.00 | 8,089.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,200.00 | 0.00 | 0.00 | 8,189.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,297.45 | 0.00 | 0.00 | 8,287.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Prairie Canyon | | | | | | | | | | |
| 8,300.00 | 0.00 | 0.00 | 8,289.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,400.00 | 0.00 | 0.00 | 8,389.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,500.00 | 0.00 | 0.00 | 8,489.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,518.45 | 0.00 | 0.00 | 8,508.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Niobrara | | | | | | | | | | |
| 8,600.00 | 0.00 | 0.00 | 8,589.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,700.00 | 0.00 | 0.00 | 8,689.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,800.00 | 0.00 | 0.00 | 8,789.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 8,900.00 | 0.00 | 0.00 | 8,889.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,000.00 | 0.00 | 0.00 | 8,989.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,100.00 | 0.00 | 0.00 | 9,089.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,200.00 | 0.00 | 0.00 | 9,189.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,300.00 | 0.00 | 0.00 | 9,289.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,400.00 | 0.00 | 0.00 | 9,389.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,500.00 | 0.00 | 0.00 | 9,489.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |

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| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | Toolface Azimuth (°) |
|----------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|----------------------|
| 9,600.00 | 0.00 | 0.00 | 9,589.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,700.00 | 0.00 | 0.00 | 9,689.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,800.00 | 0.00 | 0.00 | 9,789.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,900.00 | 0.00 | 0.00 | 9,889.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 9,902.45 | 0.00 | 0.00 | 9,892.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| NioLamSilt | | | | | | | | | | |
| 10,000.00 | 0.00 | 0.00 | 9,989.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,100.00 | 0.00 | 0.00 | 10,089.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,200.00 | 0.00 | 0.00 | 10,189.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,300.00 | 0.00 | 0.00 | 10,289.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,400.00 | 0.00 | 0.00 | 10,389.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,494.45 | 0.00 | 0.00 | 10,484.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| NioArg | | | | | | | | | | |
| 10,500.00 | 0.00 | 0.00 | 10,489.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,600.00 | 0.00 | 0.00 | 10,589.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,700.00 | 0.00 | 0.00 | 10,689.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,800.00 | 0.00 | 0.00 | 10,789.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 10,810.45 | 0.00 | 0.00 | 10,800.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Fort Hayes | | | | | | | | | | |
| 10,900.00 | 0.00 | 0.00 | 10,889.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,000.00 | 0.00 | 0.00 | 10,989.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,086.45 | 0.00 | 0.00 | 11,076.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Dakota | | | | | | | | | | |
| 11,100.00 | 0.00 | 0.00 | 11,089.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,200.00 | 0.00 | 0.00 | 11,189.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,300.00 | 0.00 | 0.00 | 11,289.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,400.00 | 0.00 | 0.00 | 11,389.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,401.50 | 0.00 | 0.00 | 11,391.05 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,500.00 | 0.00 | 0.00 | 11,489.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,600.00 | 0.00 | 0.00 | 11,589.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,700.00 | 0.00 | 0.00 | 11,689.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,800.00 | 0.00 | 0.00 | 11,789.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 11,900.00 | 0.00 | 0.00 | 11,889.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12,000.00 | 0.00 | 0.00 | 11,989.55 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| 12,010.45 | 0.00 | 0.00 | 12,000.00 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Permit TD | | | | | | | | | | |
| 12,010.50 | 0.00 | 0.00 | 12,000.05 | 337.31 | 90.38 | 349.21 | 0.00 | 0.00 | 0.00 | 0.00 |
| Total Depth = 12010.50 ft | | | | | | | | | | |

Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------|-----------------------|-------------------|--------------|---------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 200.00 | 200.00 | 0.00 | 0.00 | Begin Build at 200.00ft |
| 550.30 | 550.08 | 10.33 | 2.77 | End Build at 550.30ft |
| 5,920.10 | 5,909.87 | 326.98 | 87.61 | Begin Drop at 5920.10ft |
| 6,270.50 | 6,260.05 | 337.31 | 90.38 | End Drop at 6270.50ft |
| 12,010.50 | 12,000.05 | 337.31 | 90.38 | Total Depth = 12010.50 ft |

Vertical Section Information

| Angle Type | Target | Azimuth (°) | Origin Type | Origin | | Start TVD (usft) |
|------------|----------------------------|-------------|-------------|--------------|--------------|------------------|
| | | | | +N/_S (usft) | +E/-W (usft) | |
| Target | CBU DV 16C-15 O15 1100 BHL | 15.00 | Slot | 0.00 | 0.00 | 0.00 |

Plan Report for CBU DV16C-15 015 1100 - Rev A0**Survey tool program**

| From (usft) | To (usft) | Survey/Plan | Survey Tool |
|----------------|--------------|-------------|-------------|
| 0.00 | 12,010.50 | Rev A0 | MWD |

Casing Details

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|-----------------------------|-----------------------------|--------|---------------------------|-------------------------|
| 2,500.00 | 2,496.15 | 9 5/8" | 9-5/8 | 12-1/4 |

Formation Details

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------------|-----------------------------|----------------|-----------|------------|-------------------------|
| 0.00 | 0.00 | Green River | | 0.00 | |
| 77.00 | 77.00 | Base B Groove | | 0.00 | |
| 2,919.64 | 2,915.00 | Williams Fork | | 0.00 | |
| 4,989.50 | 4,981.00 | Rollins | | 0.00 | |
| 7,175.45 | 7,165.00 | Mancos Mrkr | | 0.00 | |
| 8,297.45 | 8,287.00 | Prairie Canyon | | 0.00 | |
| 8,518.45 | 8,508.00 | Niobrara | | 0.00 | |
| 9,902.45 | 9,892.00 | NioLamSilt | | 0.00 | |
| 10,494.45 | 10,484.00 | NioArg | | 0.00 | |
| 10,810.45 | 10,800.00 | Fort Hayes | | 0.00 | |
| 11,086.45 | 11,076.00 | Dakota | | 0.00 | |
| 12,010.45 | 12,000.00 | Permit TD | | 0.00 | |

Targets associated with this wellbore

| Target Name | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Shape |
|----------------------------------|---------------|-----------------|-----------------|---------|
| CBU DV16C-15 O15 1100 SHL | 0.00 | 0.00 | 0.00 | Point |
| CBU DV 16C-15 O15 1100 Sec.Lines | 0.00 | 0.00 | 0.00 | Polygon |
| CBU DV 16C-15 O15 1100 BHL | 12,000.50 | 337.31 | 90.38 | Point |

Directional Difficulty Index

| | | | |
|-------------------------------------|----------------|-------------------------------|-------------------------------|
| Average Dogleg over Survey: | 0.06 °/100usft | Maximum Dogleg over Survey: | 1.00 °/100usft at 550.30 usft |
| Net Tortousity applicable to Plans: | 0.06 °/100usft | Directional Difficulty Index: | 4.347 |

Audit Info

North Reference Sheet for Sec.15-T1S-R100W - CBU DV16C-15 015 1100 - Plan A

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 22' @ 8363.00usft (Nabors M15). Northing and Easting are relative to CBU DV16C- 15 015 1100

Coordinate System is US State Plane 1983, Colorado Northern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is -105.50°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 47' 0.000 N°

False Easting: 3,000,000.00usft, False Northing: 1,000,000.00usft, Scale Reduction: 0.99996990

Grid Coordinates of Well: 1,242,409.56 usft N, 2,131,571.99 usft E

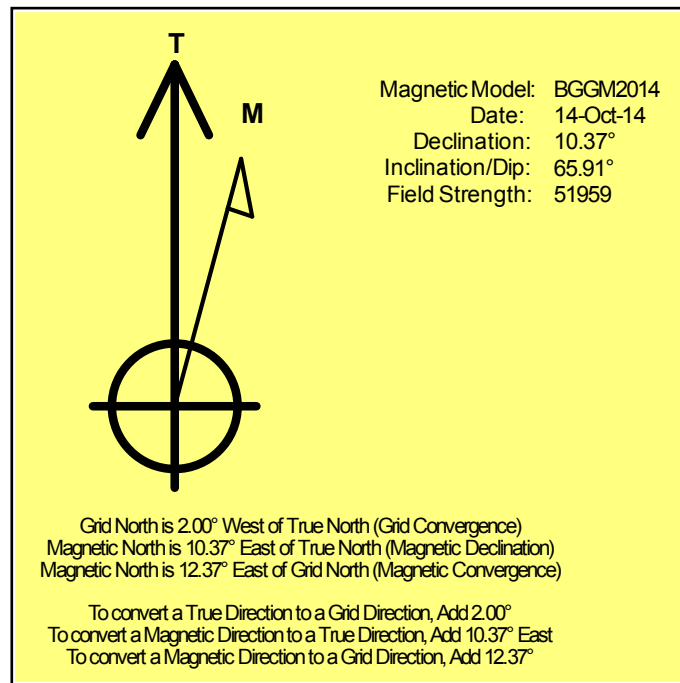
Geographical Coordinates of Well: 39° 57' 25.72" N, 108° 35' 54.64" W

Grid Convergence at Surface is: -2.00°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,010.50usft

the Bottom Hole Displacement is 349.21usft in the Direction of 15.00° (True).

Magnetic Convergence at surface is: -12.37° (14 October 2014, , BGGM2014)



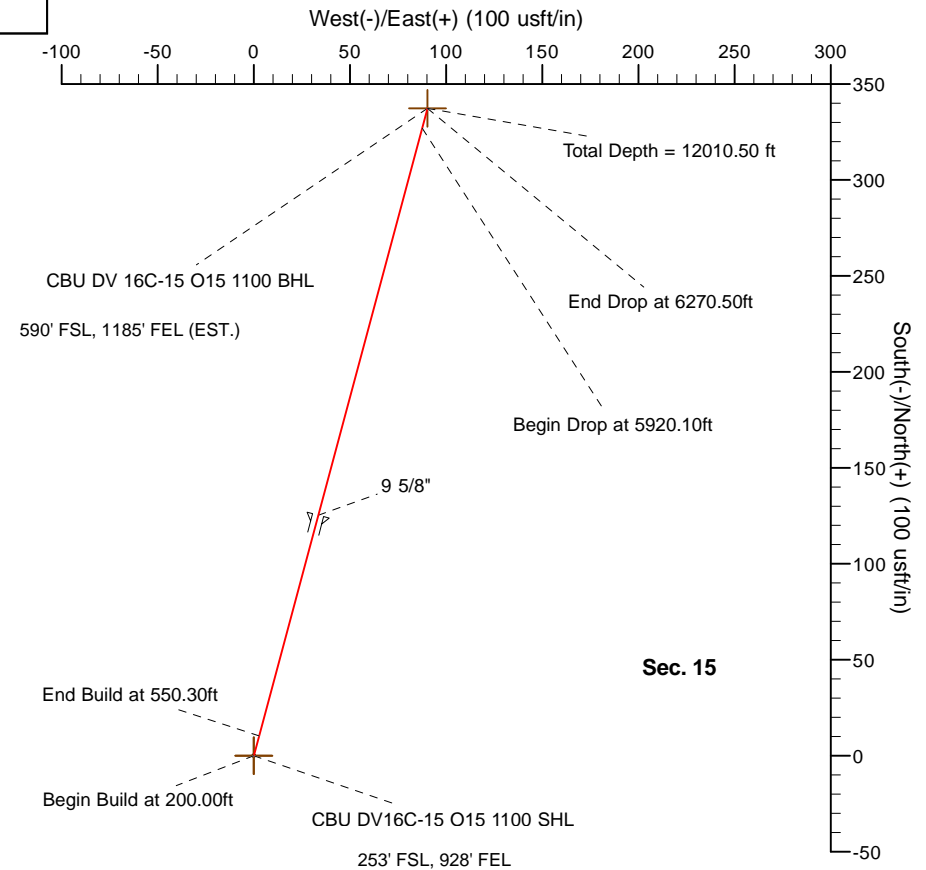
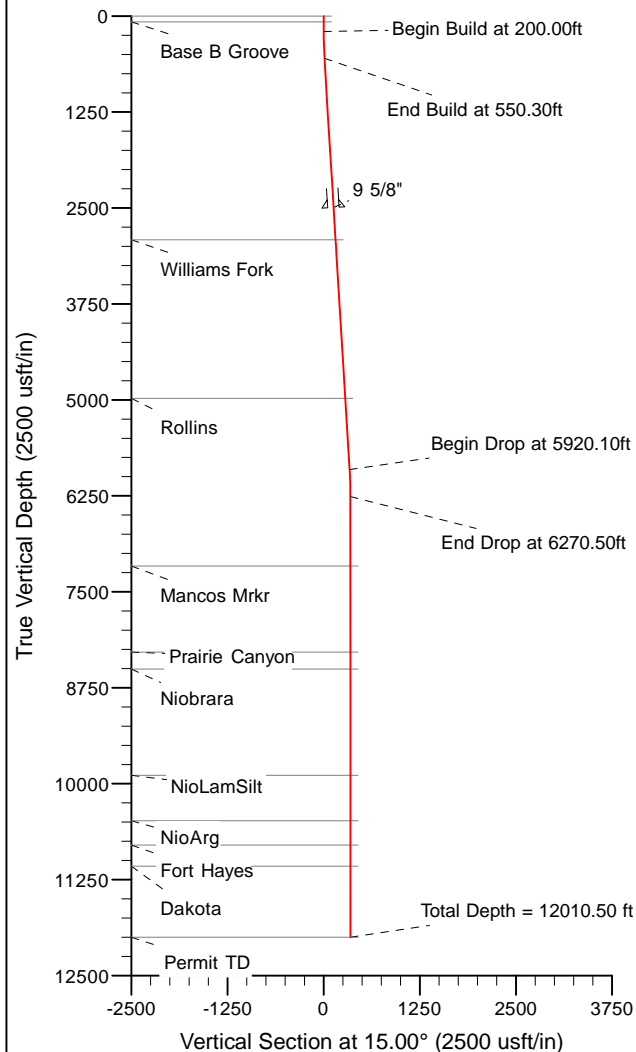
Project: Rio Blanco County, CO
 Site: Sec.15-T1S-R100W
 Well: CBU DV16C-15 015 1100
 Wellbore: Plan A
 Design: Rev A0

EnCana Oil & Gas (USA) Inc.



SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|-----|---------|------|-------|----------|--------|-------|------|--------|--------|--------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 550.30 | 3.50 | 15.00 | 550.08 | 10.33 | 2.77 | 1.00 | 15.00 | 10.70 | |
| 4 | 5920.10 | 3.50 | 15.00 | 5909.87 | 326.98 | 87.61 | 0.00 | 0.00 | 338.51 | |
| 5 | 6270.50 | 0.00 | 0.00 | 6260.05 | 337.31 | 90.38 | 1.00 | 180.00 | 349.21 | |
| 6 | 1401.50 | 0.00 | 0.00 | 11391.05 | 337.31 | 90.38 | 0.00 | 0.00 | 349.21 | |
| 7 | 2010.50 | 0.00 | 0.00 | 12000.05 | 337.31 | 90.38 | 0.00 | 0.00 | 349.21 | |



WELL DETAILS: CBU DV16C-15 015 1100

| Northing | Easting | Ground Level: | Latitude | Longitude |
|------------|------------|---------------|------------------|-------------------|
| 1242409.56 | 2131571.99 | 8341.00 | 39° 57' 25.718 N | 108° 35' 54.643 W |

Plan: Rev A0 (CBU DV16C-15 015 1100/Plan A)

| | |
|-------------------------------|------------------|
| Created By: Bridget Brennecke | Date: 10/16/2014 |
| Checked: _____ | Date: _____ |
| Reviewed: _____ | Date: _____ |
| Approved: _____ | Date: _____ |

EnCana Oil & Gas (USA) Inc.

Rio Blanco County, CO

Sec.15-T1S-R100W

CBU DV16C-15 015 1100

Plan A

Plan: Rev A0

Sperry Drilling Services

Geodetic Report

15 October, 2014

Well Coordinates: 1,242,409.56 N, 2,131,571.99 E (39° 57' 25.72" N, 108° 35' 54.64" W)

Ground Level: 8,341.00 usft

Local Coordinate Origin:

Viewing Datum:

TVDs to System:

North Reference:

Unit System:

Geodetic Scale Factor Applied

Version: 5000.1 Build: 70

Centered on Well CBU DV16C-15 015 1100

RKB 22' @ 8363.00usft (Nabors M15)

N

True

API - US Survey Feet - Custom

HALLIBURTON

Plan Report for CBU DV16C-15 015 1100 - Rev A0

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Local Coordinates | | Geographic Coordinates | | UTM Coordinates | |
|-----------------------------|--------------------|----------------|-----------------------------|-------------------|-----------------|------------------------|---------------------|--------------------|-------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Latitude (usft) | Longitude (usft) | Northing (usft) | Easting (usft) |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39° 57' 25.718 N | 108° 35' 54.643 W | 1,242,409.56 | 2,131,571.99 |
| 77.00 | 0.00 | 0.00 | 77.00 | 0.00 | 0.00 | 39° 57' 25.718 N | 108° 35' 54.643 W | 1,242,409.56 | 2,131,571.99 |
| 100.00 | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 39° 57' 25.718 N | 108° 35' 54.643 W | 1,242,409.56 | 2,131,571.99 |
| 200.00 | 0.00 | 0.00 | 200.00 | 0.00 | 0.00 | 39° 57' 25.718 N | 108° 35' 54.643 W | 1,242,409.56 | 2,131,571.99 |
| 300.00 | 1.00 | 15.00 | 299.99 | 0.84 | 0.23 | 39° 57' 25.727 N | 108° 35' 54.640 W | 1,242,410.40 | 2,131,572.24 |
| 400.00 | 2.00 | 15.00 | 399.96 | 3.37 | 0.90 | 39° 57' 25.752 N | 108° 35' 54.632 W | 1,242,412.90 | 2,131,573.01 |
| 500.00 | 3.00 | 15.00 | 499.86 | 7.58 | 2.03 | 39° 57' 25.793 N | 108° 35' 54.617 W | 1,242,417.06 | 2,131,574.28 |
| 550.30 | 3.50 | 15.00 | 550.08 | 10.33 | 2.77 | 39° 57' 25.820 N | 108° 35' 54.608 W | 1,242,419.79 | 2,131,575.12 |
| 600.00 | 3.50 | 15.00 | 599.69 | 13.26 | 3.55 | 39° 57' 25.849 N | 108° 35' 54.598 W | 1,242,422.69 | 2,131,576.00 |
| 700.00 | 3.50 | 15.00 | 699.50 | 19.16 | 5.13 | 39° 57' 25.908 N | 108° 35' 54.577 W | 1,242,428.53 | 2,131,577.79 |
| 800.00 | 3.50 | 15.00 | 799.32 | 25.06 | 6.71 | 39° 57' 25.966 N | 108° 35' 54.557 W | 1,242,434.37 | 2,131,579.57 |
| 900.00 | 3.50 | 15.00 | 899.13 | 30.95 | 8.29 | 39° 57' 26.024 N | 108° 35' 54.537 W | 1,242,440.20 | 2,131,581.36 |
| 1,000.00 | 3.50 | 15.00 | 998.94 | 36.85 | 9.87 | 39° 57' 26.082 N | 108° 35' 54.516 W | 1,242,446.04 | 2,131,583.14 |
| 1,100.00 | 3.50 | 15.00 | 1,098.76 | 42.75 | 11.45 | 39° 57' 26.141 N | 108° 35' 54.496 W | 1,242,451.88 | 2,131,584.93 |
| 1,200.00 | 3.50 | 15.00 | 1,198.57 | 48.64 | 13.03 | 39° 57' 26.199 N | 108° 35' 54.476 W | 1,242,457.72 | 2,131,586.71 |
| 1,300.00 | 3.50 | 15.00 | 1,298.38 | 54.54 | 14.61 | 39° 57' 26.257 N | 108° 35' 54.456 W | 1,242,463.56 | 2,131,588.50 |
| 1,400.00 | 3.50 | 15.00 | 1,398.20 | 60.44 | 16.19 | 39° 57' 26.316 N | 108° 35' 54.435 W | 1,242,469.39 | 2,131,590.28 |
| 1,500.00 | 3.50 | 15.00 | 1,498.01 | 66.33 | 17.77 | 39° 57' 26.374 N | 108° 35' 54.415 W | 1,242,475.23 | 2,131,592.07 |
| 1,600.00 | 3.50 | 15.00 | 1,597.82 | 72.23 | 19.35 | 39° 57' 26.432 N | 108° 35' 54.395 W | 1,242,481.07 | 2,131,593.85 |
| 1,700.00 | 3.50 | 15.00 | 1,697.64 | 78.13 | 20.93 | 39° 57' 26.490 N | 108° 35' 54.374 W | 1,242,486.91 | 2,131,595.64 |
| 1,800.00 | 3.50 | 15.00 | 1,797.45 | 84.02 | 22.51 | 39° 57' 26.549 N | 108° 35' 54.354 W | 1,242,492.75 | 2,131,597.42 |
| 1,900.00 | 3.50 | 15.00 | 1,897.26 | 89.92 | 24.09 | 39° 57' 26.607 N | 108° 35' 54.334 W | 1,242,498.58 | 2,131,599.21 |
| 2,000.00 | 3.50 | 15.00 | 1,997.08 | 95.82 | 25.67 | 39° 57' 26.665 N | 108° 35' 54.313 W | 1,242,504.42 | 2,131,600.99 |
| 2,100.00 | 3.50 | 15.00 | 2,096.89 | 101.71 | 27.25 | 39° 57' 26.724 N | 108° 35' 54.293 W | 1,242,510.26 | 2,131,602.78 |
| 2,200.00 | 3.50 | 15.00 | 2,196.71 | 107.61 | 28.83 | 39° 57' 26.782 N | 108° 35' 54.273 W | 1,242,516.10 | 2,131,604.56 |
| 2,300.00 | 3.50 | 15.00 | 2,296.52 | 113.51 | 30.41 | 39° 57' 26.840 N | 108° 35' 54.253 W | 1,242,521.94 | 2,131,606.35 |
| 2,400.00 | 3.50 | 15.00 | 2,396.33 | 119.41 | 31.99 | 39° 57' 26.898 N | 108° 35' 54.232 W | 1,242,527.77 | 2,131,608.13 |
| 2,500.00 | 3.50 | 15.00 | 2,496.15 | 125.30 | 33.57 | 39° 57' 26.957 N | 108° 35' 54.212 W | 1,242,533.61 | 2,131,609.92 |
| 2,600.00 | 3.50 | 15.00 | 2,595.96 | 131.20 | 35.15 | 39° 57' 27.015 N | 108° 35' 54.192 W | 1,242,539.45 | 2,131,611.70 |
| 2,700.00 | 3.50 | 15.00 | 2,695.77 | 137.10 | 36.73 | 39° 57' 27.073 N | 108° 35' 54.171 W | 1,242,545.29 | 2,131,613.49 |
| 2,800.00 | 3.50 | 15.00 | 2,795.59 | 142.99 | 38.31 | 39° 57' 27.131 N | 108° 35' 54.151 W | 1,242,551.12 | 2,131,615.27 |
| 2,900.00 | 3.50 | 15.00 | 2,895.40 | 148.89 | 39.89 | 39° 57' 27.190 N | 108° 35' 54.131 W | 1,242,556.96 | 2,131,617.06 |
| 2,919.64 | 3.50 | 15.00 | 2,915.00 | 150.05 | 40.21 | 39° 57' 27.201 N | 108° 35' 54.127 W | 1,242,558.11 | 2,131,617.41 |
| 3,000.00 | 3.50 | 15.00 | 2,995.21 | 154.79 | 41.47 | 39° 57' 27.248 N | 108° 35' 54.111 W | 1,242,562.80 | 2,131,618.84 |
| 3,100.00 | 3.50 | 15.00 | 3,095.03 | 160.68 | 43.05 | 39° 57' 27.306 N | 108° 35' 54.090 W | 1,242,568.64 | 2,131,620.63 |
| 3,200.00 | 3.50 | 15.00 | 3,194.84 | 166.58 | 44.63 | 39° 57' 27.365 N | 108° 35' 54.070 W | 1,242,574.48 | 2,131,622.41 |
| 3,300.00 | 3.50 | 15.00 | 3,294.65 | 172.48 | 46.22 | 39° 57' 27.423 N | 108° 35' 54.050 W | 1,242,580.31 | 2,131,624.20 |
| 3,400.00 | 3.50 | 15.00 | 3,394.47 | 178.37 | 47.80 | 39° 57' 27.481 N | 108° 35' 54.029 W | 1,242,586.15 | 2,131,625.98 |
| 3,500.00 | 3.50 | 15.00 | 3,494.28 | 184.27 | 49.38 | 39° 57' 27.539 N | 108° 35' 54.009 W | 1,242,591.99 | 2,131,627.77 |
| 3,600.00 | 3.50 | 15.00 | 3,594.09 | 190.17 | 50.96 | 39° 57' 27.598 N | 108° 35' 53.989 W | 1,242,597.83 | 2,131,629.55 |
| 3,700.00 | 3.50 | 15.00 | 3,693.91 | 196.06 | 52.54 | 39° 57' 27.656 N | 108° 35' 53.969 W | 1,242,603.67 | 2,131,631.34 |
| 3,800.00 | 3.50 | 15.00 | 3,793.72 | 201.96 | 54.12 | 39° 57' 27.714 N | 108° 35' 53.948 W | 1,242,609.50 | 2,131,633.12 |

Plan Report for CBU DV16C-15 015 1100 - Rev A0

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Local Coordinates | | Geographic Coordinates | | UTM Coordinates | |
|-----------------------------|--------------------|----------------|-----------------------------|-------------------|-----------------|------------------------|---------------------|--------------------|-------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Latitude (usft) | Longitude (usft) | Northing (usft) | Easting (usft) |
| 3,900.00 | 3.50 | 15.00 | 3,893.53 | 207.86 | 55.70 | 39° 57' 27.772 N | 108° 35' 53.928 W | 1,242,615.34 | 2,131,634.91 |
| 4,000.00 | 3.50 | 15.00 | 3,993.35 | 213.75 | 57.28 | 39° 57' 27.831 N | 108° 35' 53.908 W | 1,242,621.18 | 2,131,636.69 |
| 4,100.00 | 3.50 | 15.00 | 4,093.16 | 219.65 | 58.86 | 39° 57' 27.889 N | 108° 35' 53.887 W | 1,242,627.02 | 2,131,638.48 |
| 4,200.00 | 3.50 | 15.00 | 4,192.97 | 225.55 | 60.44 | 39° 57' 27.947 N | 108° 35' 53.867 W | 1,242,632.85 | 2,131,640.26 |
| 4,300.00 | 3.50 | 15.00 | 4,292.79 | 231.45 | 62.02 | 39° 57' 28.006 N | 108° 35' 53.847 W | 1,242,638.69 | 2,131,642.05 |
| 4,400.00 | 3.50 | 15.00 | 4,392.60 | 237.34 | 63.60 | 39° 57' 28.064 N | 108° 35' 53.827 W | 1,242,644.53 | 2,131,643.83 |
| 4,500.00 | 3.50 | 15.00 | 4,492.42 | 243.24 | 65.18 | 39° 57' 28.122 N | 108° 35' 53.806 W | 1,242,650.37 | 2,131,645.62 |
| 4,600.00 | 3.50 | 15.00 | 4,592.23 | 249.14 | 66.76 | 39° 57' 28.180 N | 108° 35' 53.786 W | 1,242,656.21 | 2,131,647.41 |
| 4,700.00 | 3.50 | 15.00 | 4,692.04 | 255.03 | 68.34 | 39° 57' 28.239 N | 108° 35' 53.766 W | 1,242,662.04 | 2,131,649.19 |
| 4,800.00 | 3.50 | 15.00 | 4,791.86 | 260.93 | 69.92 | 39° 57' 28.297 N | 108° 35' 53.745 W | 1,242,667.88 | 2,131,650.98 |
| 4,900.00 | 3.50 | 15.00 | 4,891.67 | 266.83 | 71.50 | 39° 57' 28.355 N | 108° 35' 53.725 W | 1,242,673.72 | 2,131,652.76 |
| 4,989.50 | 3.50 | 15.00 | 4,981.00 | 272.10 | 72.91 | 39° 57' 28.407 N | 108° 35' 53.707 W | 1,242,678.94 | 2,131,654.36 |
| 5,000.00 | 3.50 | 15.00 | 4,991.48 | 272.72 | 73.08 | 39° 57' 28.413 N | 108° 35' 53.705 W | 1,242,679.56 | 2,131,654.55 |
| 5,100.00 | 3.50 | 15.00 | 5,091.30 | 278.62 | 74.66 | 39° 57' 28.472 N | 108° 35' 53.684 W | 1,242,685.40 | 2,131,656.33 |
| 5,200.00 | 3.50 | 15.00 | 5,191.11 | 284.52 | 76.24 | 39° 57' 28.530 N | 108° 35' 53.664 W | 1,242,691.23 | 2,131,658.12 |
| 5,300.00 | 3.50 | 15.00 | 5,290.92 | 290.41 | 77.82 | 39° 57' 28.588 N | 108° 35' 53.644 W | 1,242,697.07 | 2,131,659.90 |
| 5,400.00 | 3.50 | 15.00 | 5,390.74 | 296.31 | 79.40 | 39° 57' 28.647 N | 108° 35' 53.624 W | 1,242,702.91 | 2,131,661.69 |
| 5,500.00 | 3.50 | 15.00 | 5,490.55 | 302.21 | 80.98 | 39° 57' 28.705 N | 108° 35' 53.603 W | 1,242,708.75 | 2,131,663.47 |
| 5,600.00 | 3.50 | 15.00 | 5,590.36 | 308.10 | 82.56 | 39° 57' 28.763 N | 108° 35' 53.583 W | 1,242,714.58 | 2,131,665.26 |
| 5,700.00 | 3.50 | 15.00 | 5,690.18 | 314.00 | 84.14 | 39° 57' 28.821 N | 108° 35' 53.563 W | 1,242,720.42 | 2,131,667.04 |
| 5,800.00 | 3.50 | 15.00 | 5,789.99 | 319.90 | 85.72 | 39° 57' 28.880 N | 108° 35' 53.542 W | 1,242,726.26 | 2,131,668.83 |
| 5,900.00 | 3.50 | 15.00 | 5,889.80 | 325.79 | 87.30 | 39° 57' 28.938 N | 108° 35' 53.522 W | 1,242,732.10 | 2,131,670.61 |
| 5,920.10 | 3.50 | 15.00 | 5,909.87 | 326.98 | 87.61 | 39° 57' 28.950 N | 108° 35' 53.518 W | 1,242,733.27 | 2,131,670.97 |
| 6,000.00 | 2.70 | 15.00 | 5,989.65 | 331.15 | 88.73 | 39° 57' 28.991 N | 108° 35' 53.504 W | 1,242,737.40 | 2,131,672.23 |
| 6,100.00 | 1.70 | 15.00 | 6,089.57 | 334.87 | 89.73 | 39° 57' 29.028 N | 108° 35' 53.491 W | 1,242,741.08 | 2,131,673.36 |
| 6,200.00 | 0.70 | 15.00 | 6,189.55 | 336.90 | 90.27 | 39° 57' 29.048 N | 108° 35' 53.484 W | 1,242,743.09 | 2,131,673.97 |
| 6,270.50 | 0.00 | 0.00 | 6,260.05 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,300.00 | 0.00 | 0.00 | 6,289.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,400.00 | 0.00 | 0.00 | 6,389.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,500.00 | 0.00 | 0.00 | 6,489.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,600.00 | 0.00 | 0.00 | 6,589.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,700.00 | 0.00 | 0.00 | 6,689.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,800.00 | 0.00 | 0.00 | 6,789.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 6,900.00 | 0.00 | 0.00 | 6,889.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,000.00 | 0.00 | 0.00 | 6,989.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,100.00 | 0.00 | 0.00 | 7,089.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,175.45 | 0.00 | 0.00 | 7,165.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,200.00 | 0.00 | 0.00 | 7,189.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,300.00 | 0.00 | 0.00 | 7,289.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,400.00 | 0.00 | 0.00 | 7,389.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,500.00 | 0.00 | 0.00 | 7,489.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,600.00 | 0.00 | 0.00 | 7,589.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |

Plan Report for CBU DV16C-15 015 1100 - Rev A0

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Local Coordinates | | Geographic Coordinates | | UTM Coordinates | |
|-----------------------------|--------------------|----------------|-----------------------------|-------------------|-----------------|------------------------|---------------------|--------------------|-------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Latitude (usft) | Longitude (usft) | Northing (usft) | Easting (usft) |
| 7,700.00 | 0.00 | 0.00 | 7,689.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,800.00 | 0.00 | 0.00 | 7,789.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 7,900.00 | 0.00 | 0.00 | 7,889.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,000.00 | 0.00 | 0.00 | 7,989.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,100.00 | 0.00 | 0.00 | 8,089.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,200.00 | 0.00 | 0.00 | 8,189.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,297.45 | 0.00 | 0.00 | 8,287.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,300.00 | 0.00 | 0.00 | 8,289.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,400.00 | 0.00 | 0.00 | 8,389.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,500.00 | 0.00 | 0.00 | 8,489.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,518.45 | 0.00 | 0.00 | 8,508.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,600.00 | 0.00 | 0.00 | 8,589.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,700.00 | 0.00 | 0.00 | 8,689.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,800.00 | 0.00 | 0.00 | 8,789.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 8,900.00 | 0.00 | 0.00 | 8,889.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,000.00 | 0.00 | 0.00 | 8,989.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,100.00 | 0.00 | 0.00 | 9,089.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,200.00 | 0.00 | 0.00 | 9,189.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,300.00 | 0.00 | 0.00 | 9,289.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,400.00 | 0.00 | 0.00 | 9,389.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,500.00 | 0.00 | 0.00 | 9,489.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,600.00 | 0.00 | 0.00 | 9,589.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,700.00 | 0.00 | 0.00 | 9,689.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,800.00 | 0.00 | 0.00 | 9,789.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,900.00 | 0.00 | 0.00 | 9,889.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 9,902.45 | 0.00 | 0.00 | 9,892.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,000.00 | 0.00 | 0.00 | 9,989.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,100.00 | 0.00 | 0.00 | 10,089.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,200.00 | 0.00 | 0.00 | 10,189.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,300.00 | 0.00 | 0.00 | 10,289.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,400.00 | 0.00 | 0.00 | 10,389.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,494.45 | 0.00 | 0.00 | 10,484.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,500.00 | 0.00 | 0.00 | 10,489.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,600.00 | 0.00 | 0.00 | 10,589.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,700.00 | 0.00 | 0.00 | 10,689.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,800.00 | 0.00 | 0.00 | 10,789.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,810.45 | 0.00 | 0.00 | 10,800.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 10,900.00 | 0.00 | 0.00 | 10,889.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,000.00 | 0.00 | 0.00 | 10,989.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,086.45 | 0.00 | 0.00 | 11,076.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,100.00 | 0.00 | 0.00 | 11,089.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,200.00 | 0.00 | 0.00 | 11,189.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |

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| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | Local Coordinates | | Geographic Coordinates | | UTM Coordinates | |
|-----------------------------|--------------------|----------------|-----------------------------|-------------------|-----------------|------------------------|---------------------|--------------------|-------------------|
| | | | | +N/-S (usft) | +E/-W (usft) | Latitude (usft) | Longitude (usft) | Northing (usft) | Easting (usft) |
| 11,300.00 | 0.00 | 0.00 | 11,289.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,400.00 | 0.00 | 0.00 | 11,389.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,401.50 | 0.00 | 0.00 | 11,391.05 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,500.00 | 0.00 | 0.00 | 11,489.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,600.00 | 0.00 | 0.00 | 11,589.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,700.00 | 0.00 | 0.00 | 11,689.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,800.00 | 0.00 | 0.00 | 11,789.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 11,900.00 | 0.00 | 0.00 | 11,889.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 12,000.00 | 0.00 | 0.00 | 11,989.55 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 12,010.45 | 0.00 | 0.00 | 12,000.00 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |
| 12,010.50 | 0.00 | 0.00 | 12,000.05 | 337.31 | 90.38 | 39° 57' 29.052 N | 108° 35' 53.483 W | 1,242,743.50 | 2,131,674.10 |

Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------------|-----------------------------|-------------------|-----------------|---------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 200.00 | 200.00 | 0.00 | 0.00 | Begin Build at 200.00ft |
| 550.30 | 550.08 | 10.33 | 2.77 | End Build at 550.30ft |
| 5,920.10 | 5,909.87 | 326.98 | 87.61 | Begin Drop at 5920.10ft |
| 6,270.50 | 6,260.05 | 337.31 | 90.38 | End Drop at 6270.50ft |
| 12,010.50 | 12,000.05 | 337.31 | 90.38 | Total Depth = 12010.50 ft |

Vertical Section Information

| Angle Type | Target | Azimuth (°) | Origin Type | Origin | | Start TVD (usft) |
|---------------|-------------------------------|----------------|----------------|-----------------|-----------------|------------------------|
| | | | | +N/_S (usft) | +E/-W (usft) | |
| Target | CBU DV 16C-15 O15 1100 BHL | 15.00 | Slot | 0.00 | 0.00 | 0.00 |

Survey tool program

| From (usft) | To (usft) | Survey/Plan | Survey Tool |
|----------------|--------------|-------------|-------------|
| 0.00 | 12,010.50 | Rev A0 | MWD |

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Casing Details

| Measured Depth (usft) | Vertical Depth (usft) | Name | Casing Diameter (") | Hole Diameter (") |
|-----------------------|-----------------------|--------|---------------------|-------------------|
| 2,500.00 | 2,496.15 | 9 5/8" | 9-5/8 | 12-1/4 |

Formation Details

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|----------------|-----------|---------|-------------------|
| 0.00 | 0.00 | Green River | | 0.00 | |
| 77.00 | 77.00 | Base B Groove | | 0.00 | |
| 2,919.64 | 2,915.00 | Williams Fork | | 0.00 | |
| 4,989.50 | 4,981.00 | Rollins | | 0.00 | |
| 7,175.45 | 7,165.00 | Mancos Mrkr | | 0.00 | |
| 8,297.45 | 8,287.00 | Prairie Canyon | | 0.00 | |
| 8,518.45 | 8,508.00 | Niobrara | | 0.00 | |
| 9,902.45 | 9,892.00 | NioLamSilt | | 0.00 | |
| 10,494.45 | 10,484.00 | NioArg | | 0.00 | |
| 10,810.45 | 10,800.00 | Fort Hayes | | 0.00 | |
| 11,086.45 | 11,076.00 | Dakota | | 0.00 | |
| 12,010.45 | 12,000.00 | Permit TD | | 0.00 | |

Design Targets

| Shape | Target Name | TVD (usft) | Northing (usft) | Easting (usft) | +N/-S usft | +E/-W usft | Created | Updated |
|---------|------------------------|------------|-----------------|----------------|------------|------------|------------|------------|
| Point | CBU DV16C-15 O15 1100 | 0.00 | 1,242,409.57 | 2,131,571.99 | 0.00 | 0.00 | 10/14/2014 | 10/14/2014 |
| Polygon | CBU DV 16C-15 O15 1100 | 0.00 | 1,242,409.56 | 2,131,571.99 | 0.00 | 0.00 | 10/14/2014 | 10/15/2014 |
| Point | CBU DV 16C-15 O15 1100 | 12,000.50 | 1,242,743.50 | 2,131,674.09 | 337.31 | 90.38 | 10/14/2014 | 10/14/2014 |

Directional Difficulty Index

| | | | |
|-------------------------------------|----------------|-------------------------------|-------------------------------|
| Average Dogleg over Survey: | 0.06 °/100usft | Maximum Dogleg over Survey: | 1.00 °/100usft at 550.30 usft |
| Net Tortousity applicable to Plans: | 0.06 °/100usft | Directional Difficulty Index: | 4.347 |

Plan Report for CBU DV16C-15 015 1100 - Rev A0

Audit Info

North Reference Sheet for Sec.15-T1S-R100W - CBU DV16C-15 015 1100 - Plan A

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to True North Reference.

Vertical Depths are relative to RKB 22' @ 8363.00usft (Nabors M15). Northing and Easting are relative to CBU DV16C- 15 015 1100

Coordinate System is US State Plane 1983, Colorado Northern Zone using datum North American Datum 1983, ellipsoid GRS 1980

Projection method is Lambert Conformal Conic (2 parallel)

Central Meridian is 105° 30' 0.000 W°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:40° 47' 0.000 N°

False Easting: 3,000,000.00usft, False Northing: 1,000,000.00usft, Scale Reduction: 0.99996990

Grid Coordinates of Well: 1,242,409.56 usft N, 2,131,571.99 usft E

Geographical Coordinates of Well: 39° 57' 25.72" N, 108° 35' 54.64" W

Grid Convergence at Surface is: -2.00°

Based upon Minimum Curvature type calculations, at a Measured Depth of 12,010.50usft

the Bottom Hole Displacement is 349.21usft in the Direction of 15.00° (True).

Magnetic Convergence at surface is: -12.37° (14 October 2014, , BGGM2014)

