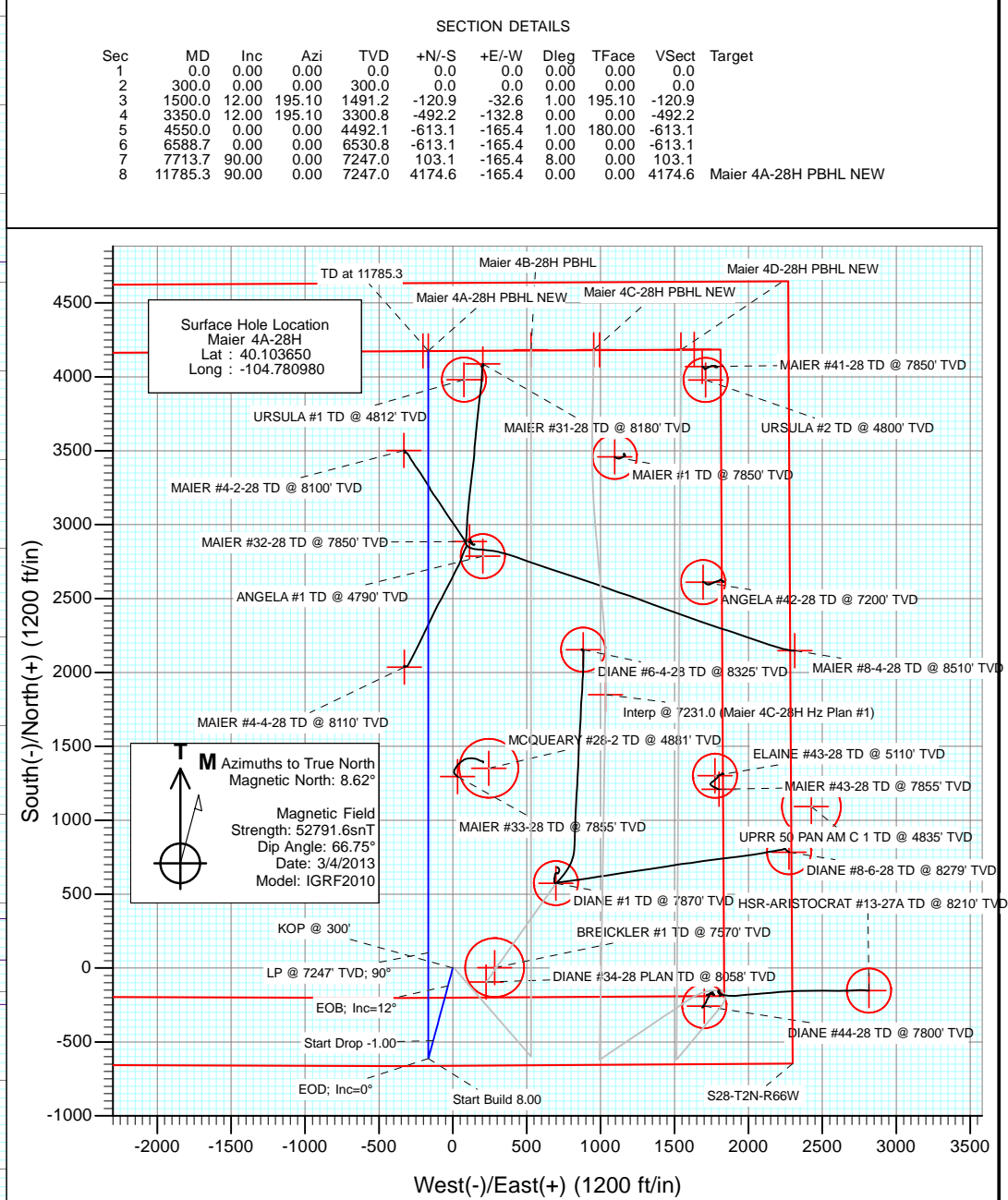
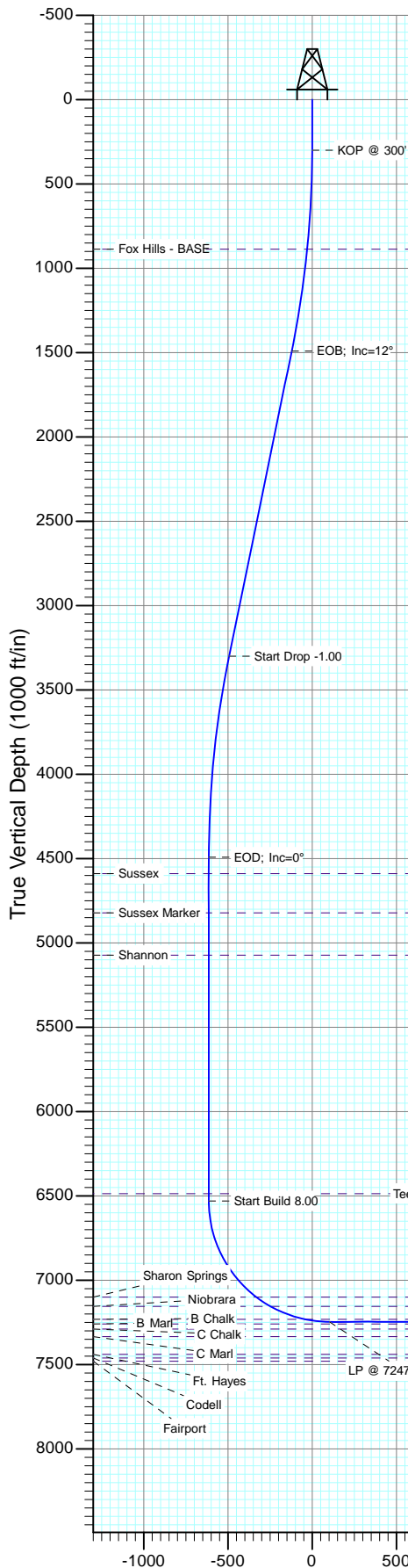
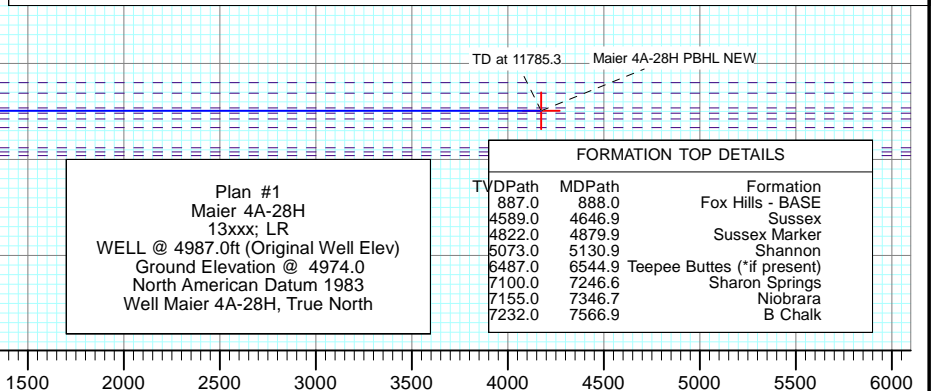




Project: DJ Wattenberg
Site: S28-T2N-R66W (Maier)
Well: Maier 4A-28H
Wellbore: Hz
Design: Plan #1



| DESIGN TARGET DETAILS | | | | | | |
|-----------------------|--------|--------|------------|------------|-----------|-------------|
| Name | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| Maier 4A-28H PBHL NEW | 4174.6 | -165.4 | 1285595.18 | 3200934.84 | 40.115110 | -104.781571 |



Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site: | S28-T2N-R66W (Maier) | North Reference: | True |
| Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

| | | | |
|--------------------|---------------------------|----------------------|----------------|
| Project | DJ Wattenberg | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | |
| Map Zone: | Colorado Northern Zone | | |

| Site | | S28-T2N-R66W (Maier) | | | |
|-----------------------|----------|----------------------|-----------------|-------------------|-------------|
| Site Position: | | Northing: | 1,281,422.02 ft | Latitude: | 40.103650 |
| From: | Lat/Long | Easting: | 3,201,134.08 ft | Longitude: | -104.780980 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | 0.46 ° |

| | | | | | | |
|----------------------|--------------|--------|---------------------|-----------------|---------------|-------------|
| Well | Maier 4A-28H | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,281,422.01 ft | Latitude: | 40.103650 |
| | +E/-W | 0.0 ft | Easting: | 3,201,134.08 ft | Longitude: | -104.780980 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,974.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Hz | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 3/4/2013 | 8.62 | 66.75 | 52,792 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 0.00 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,500.0 | 12.00 | 195.10 | 1,491.2 | -120.9 | -32.6 | 1.00 | 1.00 | 0.00 | 195.10 | |
| 3,350.0 | 12.00 | 195.10 | 3,300.8 | -492.2 | -132.8 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 4,550.0 | 0.00 | 0.00 | 4,492.1 | -613.1 | -165.4 | 1.00 | -1.00 | 0.00 | 180.00 | |
| 6,588.7 | 0.00 | 0.00 | 6,530.8 | -613.1 | -165.4 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,713.7 | 90.00 | 0.00 | 7,247.0 | 103.1 | -165.4 | 8.00 | 8.00 | 0.00 | 0.00 | |
| 11,785.3 | 90.00 | 0.00 | 7,247.0 | 4,174.6 | -165.4 | 0.00 | 0.00 | 0.00 | 0.00 | Maier 4A-28H PBHL T |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site: | S28-T2N-R66W (Maier) | North Reference: | True |
| Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | KOP @ 300' |
| 400.0 | 1.00 | 195.10 | 400.0 | -0.8 | -0.2 | -0.8 | 1.00 | 1.00 | |
| 500.0 | 2.00 | 195.10 | 500.0 | -3.4 | -0.9 | -3.4 | 1.00 | 1.00 | |
| 600.0 | 3.00 | 195.10 | 599.9 | -7.6 | -2.0 | -7.6 | 1.00 | 1.00 | |
| 700.0 | 4.00 | 195.10 | 699.7 | -13.5 | -3.6 | -13.5 | 1.00 | 1.00 | |
| 800.0 | 5.00 | 195.10 | 799.4 | -21.0 | -5.7 | -21.0 | 1.00 | 1.00 | |
| 888.0 | 5.88 | 195.10 | 887.0 | -29.1 | -7.9 | -29.1 | 1.00 | 1.00 | Fox Hills - BASE |
| 900.0 | 6.00 | 195.10 | 898.9 | -30.3 | -8.2 | -30.3 | 1.00 | 1.00 | |
| 1,000.0 | 7.00 | 195.10 | 998.3 | -41.2 | -11.1 | -41.2 | 1.00 | 1.00 | |
| 1,100.0 | 8.00 | 195.10 | 1,097.4 | -53.8 | -14.5 | -53.8 | 1.00 | 1.00 | |
| 1,200.0 | 9.00 | 195.10 | 1,196.3 | -68.1 | -18.4 | -68.1 | 1.00 | 1.00 | |
| 1,300.0 | 10.00 | 195.10 | 1,294.9 | -84.0 | -22.7 | -84.0 | 1.00 | 1.00 | |
| 1,400.0 | 11.00 | 195.10 | 1,393.3 | -101.6 | -27.4 | -101.6 | 1.00 | 1.00 | |
| 1,500.0 | 12.00 | 195.10 | 1,491.2 | -120.9 | -32.6 | -120.9 | 1.00 | 1.00 | EOB; Inc=12° |
| 1,600.0 | 12.00 | 195.10 | 1,589.1 | -141.0 | -38.0 | -141.0 | 0.00 | 0.00 | |
| 1,700.0 | 12.00 | 195.10 | 1,686.9 | -161.0 | -43.4 | -161.0 | 0.00 | 0.00 | |
| 1,800.0 | 12.00 | 195.10 | 1,784.7 | -181.1 | -48.9 | -181.1 | 0.00 | 0.00 | |
| 1,900.0 | 12.00 | 195.10 | 1,882.5 | -201.2 | -54.3 | -201.2 | 0.00 | 0.00 | |
| 2,000.0 | 12.00 | 195.10 | 1,980.3 | -221.2 | -59.7 | -221.2 | 0.00 | 0.00 | |
| 2,100.0 | 12.00 | 195.10 | 2,078.1 | -241.3 | -65.1 | -241.3 | 0.00 | 0.00 | |
| 2,200.0 | 12.00 | 195.10 | 2,175.9 | -261.4 | -70.5 | -261.4 | 0.00 | 0.00 | |
| 2,300.0 | 12.00 | 195.10 | 2,273.8 | -281.5 | -75.9 | -281.5 | 0.00 | 0.00 | |
| 2,400.0 | 12.00 | 195.10 | 2,371.6 | -301.5 | -81.4 | -301.5 | 0.00 | 0.00 | |
| 2,500.0 | 12.00 | 195.10 | 2,469.4 | -321.6 | -86.8 | -321.6 | 0.00 | 0.00 | |
| 2,600.0 | 12.00 | 195.10 | 2,567.2 | -341.7 | -92.2 | -341.7 | 0.00 | 0.00 | |
| 2,700.0 | 12.00 | 195.10 | 2,665.0 | -361.8 | -97.6 | -361.8 | 0.00 | 0.00 | |
| 2,800.0 | 12.00 | 195.10 | 2,762.8 | -381.8 | -103.0 | -381.8 | 0.00 | 0.00 | |
| 2,900.0 | 12.00 | 195.10 | 2,860.7 | -401.9 | -108.4 | -401.9 | 0.00 | 0.00 | |
| 3,000.0 | 12.00 | 195.10 | 2,958.5 | -422.0 | -113.9 | -422.0 | 0.00 | 0.00 | |
| 3,100.0 | 12.00 | 195.10 | 3,056.3 | -442.1 | -119.3 | -442.1 | 0.00 | 0.00 | |
| 3,200.0 | 12.00 | 195.10 | 3,154.1 | -462.1 | -124.7 | -462.1 | 0.00 | 0.00 | |
| 3,300.0 | 12.00 | 195.10 | 3,251.9 | -482.2 | -130.1 | -482.2 | 0.00 | 0.00 | |
| 3,350.0 | 12.00 | 195.10 | 3,300.8 | -492.2 | -132.8 | -492.2 | 0.00 | 0.00 | Start Drop -1.00 |
| 3,400.0 | 11.50 | 195.10 | 3,349.8 | -502.1 | -135.5 | -502.1 | 1.00 | -1.00 | |
| 3,500.0 | 10.50 | 195.10 | 3,447.9 | -520.5 | -140.4 | -520.5 | 1.00 | -1.00 | |
| 3,600.0 | 9.50 | 195.10 | 3,546.4 | -537.3 | -145.0 | -537.3 | 1.00 | -1.00 | |
| 3,700.0 | 8.50 | 195.10 | 3,645.2 | -552.4 | -149.0 | -552.4 | 1.00 | -1.00 | |
| 3,800.0 | 7.50 | 195.10 | 3,744.2 | -565.8 | -152.7 | -565.8 | 1.00 | -1.00 | |
| 3,900.0 | 6.50 | 195.10 | 3,843.5 | -577.6 | -155.8 | -577.6 | 1.00 | -1.00 | |
| 4,000.0 | 5.50 | 195.10 | 3,942.9 | -587.7 | -158.6 | -587.7 | 1.00 | -1.00 | |
| 4,100.0 | 4.50 | 195.10 | 4,042.5 | -596.1 | -160.8 | -596.1 | 1.00 | -1.00 | |
| 4,200.0 | 3.50 | 195.10 | 4,142.3 | -602.8 | -162.6 | -602.8 | 1.00 | -1.00 | |
| 4,300.0 | 2.50 | 195.10 | 4,242.1 | -607.9 | -164.0 | -607.9 | 1.00 | -1.00 | |
| 4,400.0 | 1.50 | 195.10 | 4,342.1 | -611.2 | -164.9 | -611.2 | 1.00 | -1.00 | |
| 4,500.0 | 0.50 | 195.10 | 4,442.1 | -612.9 | -165.4 | -612.9 | 1.00 | -1.00 | |
| 4,550.0 | 0.00 | 0.00 | 4,492.1 | -613.1 | -165.4 | -613.1 | 1.00 | -1.00 | EOD; Inc=0° |
| 4,600.0 | 0.00 | 0.00 | 4,542.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 4,646.9 | 0.00 | 0.00 | 4,589.0 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | Sussex |
| 4,700.0 | 0.00 | 0.00 | 4,642.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site: | S28-T2N-R66W (Maier) | North Reference: | True |
| Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------------|
| 4,800.0 | 0.00 | 0.00 | 4,742.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 4,879.9 | 0.00 | 0.00 | 4,822.0 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | Sussex Marker |
| 4,900.0 | 0.00 | 0.00 | 4,842.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,000.0 | 0.00 | 0.00 | 4,942.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,100.0 | 0.00 | 0.00 | 5,042.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,130.9 | 0.00 | 0.00 | 5,073.0 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | Shannon |
| 5,200.0 | 0.00 | 0.00 | 5,142.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,300.0 | 0.00 | 0.00 | 5,242.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,400.0 | 0.00 | 0.00 | 5,342.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,500.0 | 0.00 | 0.00 | 5,442.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,600.0 | 0.00 | 0.00 | 5,542.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,700.0 | 0.00 | 0.00 | 5,642.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,800.0 | 0.00 | 0.00 | 5,742.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 5,900.0 | 0.00 | 0.00 | 5,842.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,000.0 | 0.00 | 0.00 | 5,942.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,100.0 | 0.00 | 0.00 | 6,042.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,200.0 | 0.00 | 0.00 | 6,142.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,300.0 | 0.00 | 0.00 | 6,242.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,400.0 | 0.00 | 0.00 | 6,342.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,500.0 | 0.00 | 0.00 | 6,442.1 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | |
| 6,544.9 | 0.00 | 0.00 | 6,487.0 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | Teepee Buttes (*if present) |
| 6,588.7 | 0.00 | 0.00 | 6,530.8 | -613.1 | -165.4 | -613.1 | 0.00 | 0.00 | Start Build 8.00 |
| 6,600.0 | 0.90 | 0.00 | 6,542.1 | -613.0 | -165.4 | -613.0 | 8.00 | 8.00 | |
| 6,700.0 | 8.90 | 0.00 | 6,641.6 | -604.5 | -165.4 | -604.5 | 8.00 | 8.00 | |
| 6,800.0 | 16.90 | 0.00 | 6,739.0 | -582.2 | -165.4 | -582.2 | 8.00 | 8.00 | |
| 6,900.0 | 24.90 | 0.00 | 6,832.4 | -546.5 | -165.4 | -546.5 | 8.00 | 8.00 | |
| 7,000.0 | 32.90 | 0.00 | 6,919.8 | -498.2 | -165.4 | -498.2 | 8.00 | 8.00 | |
| 7,100.0 | 40.90 | 0.00 | 6,999.7 | -438.3 | -165.4 | -438.3 | 8.00 | 8.00 | |
| 7,200.0 | 48.90 | 0.00 | 7,070.5 | -367.7 | -165.4 | -367.7 | 8.00 | 8.00 | |
| 7,246.6 | 52.63 | 0.00 | 7,100.0 | -331.6 | -165.4 | -331.6 | 8.00 | 8.00 | Sharon Springs |
| 7,300.0 | 56.90 | 0.00 | 7,130.8 | -288.0 | -165.4 | -288.0 | 8.00 | 8.00 | |
| 7,346.7 | 60.64 | 0.00 | 7,155.0 | -248.1 | -165.4 | -248.1 | 8.00 | 8.00 | Niobrara |
| 7,400.0 | 64.90 | 0.00 | 7,179.4 | -200.7 | -165.4 | -200.7 | 8.00 | 8.00 | |
| 7,500.0 | 72.90 | 0.00 | 7,215.3 | -107.5 | -165.4 | -107.5 | 8.00 | 8.00 | |
| 7,566.9 | 78.25 | 0.00 | 7,232.0 | -42.7 | -165.4 | -42.7 | 8.00 | 8.00 | B Chalk |
| 7,600.0 | 80.90 | 0.00 | 7,238.0 | -10.2 | -165.4 | -10.2 | 8.00 | 8.00 | |
| 7,700.0 | 88.90 | 0.00 | 7,246.9 | 89.3 | -165.4 | 89.3 | 8.00 | 8.00 | |
| 7,713.7 | 90.00 | 0.00 | 7,247.0 | 103.1 | -165.4 | 103.1 | 8.00 | 8.00 | LP @ 7247' TVD; 90° |
| 7,800.0 | 90.00 | 0.00 | 7,247.0 | 189.3 | -165.4 | 189.3 | 0.00 | 0.00 | |
| 7,900.0 | 90.00 | 0.00 | 7,247.0 | 289.3 | -165.4 | 289.3 | 0.00 | 0.00 | |
| 8,000.0 | 90.00 | 0.00 | 7,247.0 | 389.3 | -165.4 | 389.3 | 0.00 | 0.00 | |
| 8,100.0 | 90.00 | 0.00 | 7,247.0 | 489.3 | -165.4 | 489.3 | 0.00 | 0.00 | |
| 8,200.0 | 90.00 | 0.00 | 7,247.0 | 589.3 | -165.4 | 589.3 | 0.00 | 0.00 | |
| 8,300.0 | 90.00 | 0.00 | 7,247.0 | 689.3 | -165.4 | 689.3 | 0.00 | 0.00 | |
| 8,400.0 | 90.00 | 0.00 | 7,247.0 | 789.3 | -165.4 | 789.3 | 0.00 | 0.00 | |
| 8,500.0 | 90.00 | 0.00 | 7,247.0 | 889.3 | -165.4 | 889.3 | 0.00 | 0.00 | |
| 8,600.0 | 90.00 | 0.00 | 7,247.0 | 989.3 | -165.4 | 989.3 | 0.00 | 0.00 | |
| 8,700.0 | 90.00 | 0.00 | 7,247.0 | 1,089.3 | -165.4 | 1,089.3 | 0.00 | 0.00 | |
| 8,800.0 | 90.00 | 0.00 | 7,247.0 | 1,189.3 | -165.4 | 1,189.3 | 0.00 | 0.00 | |
| 8,900.0 | 90.00 | 0.00 | 7,247.0 | 1,289.3 | -165.4 | 1,289.3 | 0.00 | 0.00 | |
| 9,000.0 | 90.00 | 0.00 | 7,247.0 | 1,389.3 | -165.4 | 1,389.3 | 0.00 | 0.00 | |
| 9,100.0 | 90.00 | 0.00 | 7,247.0 | 1,489.3 | -165.4 | 1,489.3 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site: | S28-T2N-R66W (Maier) | North Reference: | True |
| Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

Planned Survey

| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Comments / Formations |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|--|
| 9,200.0 | 90.00 | 0.00 | 7,247.0 | 1,589.3 | -165.4 | 1,589.3 | 0.00 | 0.00 | |
| 9,300.0 | 90.00 | 0.00 | 7,247.0 | 1,689.3 | -165.4 | 1,689.3 | 0.00 | 0.00 | |
| 9,400.0 | 90.00 | 0.00 | 7,247.0 | 1,789.3 | -165.4 | 1,789.3 | 0.00 | 0.00 | |
| 9,500.0 | 90.00 | 0.00 | 7,247.0 | 1,889.3 | -165.4 | 1,889.3 | 0.00 | 0.00 | |
| 9,600.0 | 90.00 | 0.00 | 7,247.0 | 1,989.3 | -165.4 | 1,989.3 | 0.00 | 0.00 | |
| 9,700.0 | 90.00 | 0.00 | 7,247.0 | 2,089.3 | -165.4 | 2,089.3 | 0.00 | 0.00 | |
| 9,800.0 | 90.00 | 0.00 | 7,247.0 | 2,189.3 | -165.4 | 2,189.3 | 0.00 | 0.00 | |
| 9,900.0 | 90.00 | 0.00 | 7,247.0 | 2,289.3 | -165.4 | 2,289.3 | 0.00 | 0.00 | |
| 10,000.0 | 90.00 | 0.00 | 7,247.0 | 2,389.3 | -165.4 | 2,389.3 | 0.00 | 0.00 | |
| 10,100.0 | 90.00 | 0.00 | 7,247.0 | 2,489.3 | -165.4 | 2,489.3 | 0.00 | 0.00 | |
| 10,200.0 | 90.00 | 0.00 | 7,247.0 | 2,589.3 | -165.4 | 2,589.3 | 0.00 | 0.00 | |
| 10,300.0 | 90.00 | 0.00 | 7,247.0 | 2,689.3 | -165.4 | 2,689.3 | 0.00 | 0.00 | |
| 10,400.0 | 90.00 | 0.00 | 7,247.0 | 2,789.3 | -165.4 | 2,789.3 | 0.00 | 0.00 | |
| 10,500.0 | 90.00 | 0.00 | 7,247.0 | 2,889.3 | -165.4 | 2,889.3 | 0.00 | 0.00 | |
| 10,600.0 | 90.00 | 0.00 | 7,247.0 | 2,989.3 | -165.4 | 2,989.3 | 0.00 | 0.00 | |
| 10,700.0 | 90.00 | 0.00 | 7,247.0 | 3,089.3 | -165.4 | 3,089.3 | 0.00 | 0.00 | |
| 10,800.0 | 90.00 | 0.00 | 7,247.0 | 3,189.3 | -165.4 | 3,189.3 | 0.00 | 0.00 | |
| 10,900.0 | 90.00 | 0.00 | 7,247.0 | 3,289.3 | -165.4 | 3,289.3 | 0.00 | 0.00 | |
| 11,000.0 | 90.00 | 0.00 | 7,247.0 | 3,389.3 | -165.4 | 3,389.3 | 0.00 | 0.00 | |
| 11,100.0 | 90.00 | 0.00 | 7,247.0 | 3,489.3 | -165.4 | 3,489.3 | 0.00 | 0.00 | |
| 11,200.0 | 90.00 | 0.00 | 7,247.0 | 3,589.3 | -165.4 | 3,589.3 | 0.00 | 0.00 | |
| 11,300.0 | 90.00 | 0.00 | 7,247.0 | 3,689.3 | -165.4 | 3,689.3 | 0.00 | 0.00 | |
| 11,400.0 | 90.00 | 0.00 | 7,247.0 | 3,789.3 | -165.4 | 3,789.3 | 0.00 | 0.00 | |
| 11,500.0 | 90.00 | 0.00 | 7,247.0 | 3,889.3 | -165.4 | 3,889.3 | 0.00 | 0.00 | |
| 11,600.0 | 90.00 | 0.00 | 7,247.0 | 3,989.3 | -165.4 | 3,989.3 | 0.00 | 0.00 | |
| 11,700.0 | 90.00 | 0.00 | 7,247.0 | 4,089.3 | -165.4 | 4,089.3 | 0.00 | 0.00 | |
| 11,785.3 | 90.00 | 0.00 | 7,247.0 | 4,174.6 | -165.4 | 4,174.6 | 0.00 | 0.00 | TD at 11785.3 - Maier 4A-28H PBHL NEW - Ma |

Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude | Longitude |
|--|---------------|--------------|----------|------------|------------|---------------|--------------|-----------|-------------|
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| Maier 4A-28H PBHL NE' | 0.00 | 0.00 | 7,247.0 | 4,174.6 | -165.4 | 1,285,595.18 | 3,200,934.84 | 40.115110 | -104.781571 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| Maier 4A-28H PBHL | 0.00 | 0.00 | 7,247.0 | 4,174.6 | -201.4 | 1,285,594.89 | 3,200,898.87 | 40.115110 | -104.781700 |
| - plan misses target center by 36.0ft at 11785.3ft MD (7247.0 TVD, 4174.6 N, -165.4 E) | | | | | | | | | |
| - Point | | | | | | | | | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site: | S28-T2N-R66W (Maier) | North Reference: | True |
| Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

| Formations | | | | | | |
|---------------------|---------------------|-----------------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 888.0 | 887.0 | Fox Hills - BASE | | | | |
| 4,646.9 | 4,589.0 | Sussex | | | | |
| 4,879.9 | 4,822.0 | Sussex Marker | | | | |
| 5,130.9 | 5,073.0 | Shannon | | | | |
| 6,544.9 | 6,487.0 | Teepee Buttes (*if present) | | | | |
| 7,246.6 | 7,100.0 | Sharon Springs | | | | |
| 7,346.7 | 7,155.0 | Niobrara | | | | |
| 7,566.9 | 7,232.0 | B Chalk | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|---------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 300.0 | 300.0 | 0.0 | 0.0 | KOP @ 300' | |
| 1,500.0 | 1,491.2 | -120.9 | -32.6 | EOB; Inc=12° | |
| 3,350.0 | 3,300.8 | -492.2 | -132.8 | Start Drop -1.00 | |
| 4,550.0 | 4,492.1 | -613.1 | -165.4 | EOD; Inc=0° | |
| 6,588.7 | 6,530.8 | -613.1 | -165.4 | Start Build 8.00 | |
| 7,713.7 | 7,247.0 | 103.1 | -165.4 | LP @ 7247' TVD; 90° | |
| 11,785.3 | 7,247.0 | 4,174.6 | -165.4 | TD at 11785.3 | |

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S28-T2N-R66W (Maier)

Maier 4A-28H

Hz

Plan #1

Anticollision Report

06 March, 2013

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Reference | Plan #1 | | |
|------------------------------|---|----------------|---------------------|
| Filter type: | NO GLOBAL FILTER: Using user defined selection & filtering criteria | | |
| Interpolation Method: | MD Interval 100.0ft | Error Model: | Systematic Ellipse |
| Depth Range: | Unlimited | Scan Method: | Closest Approach 3D |
| Results Limited by: | Maximum center-center distance of 500.0ft | Error Surface: | Elliptical Conic |
| Warning Levels Evaluated at: | 2.00 Sigma | | |

| Survey Tool Program | | Date | 3/6/2013 | | |
|---------------------|----------|-------------------|-----------|-------------|--|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 0.0 | 11,785.3 | Plan #1 (Hz) | MWD | Geolink MWD | |

| Summary | | | | | | |
|--|-------------------------------|----------------------------|-------------------------------|--------------------------------|-------------------|--------------|
| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance Between Centres (ft) | Distance Between Ellipses (ft) | Separation Factor | Warning |
| Offset Well - Wellbore - Design | | | | | | |
| S28-T2N-R66W (Maier) | | | | | | |
| ANGELA #1 (EXISTING) - EXISTING - NO SURVEYS | | | | | | Out of range |
| ANGELA #42-28 (EXISTING) - EXISTING - GYRO | | | | | | Out of range |
| BREICKLER #1 (EXISTING) - EXISTING - NO SURVEY | 300.0 | 285.0 | 282.8 | 281.8 | 283.294 | CC |
| BREICKLER #1 (EXISTING) - EXISTING - NO SURVEY | 400.0 | 385.0 | 283.1 | 281.7 | 209.982 | ES |
| BREICKLER #1 (EXISTING) - EXISTING - NO SURVEY | 7,613.2 | 7,225.0 | 448.2 | 422.3 | 17.304 | SF |
| DIANE #1 (EXISTING) - EXISTING - GYRO | | | | | | Out of range |
| DIANE #34-28 (EXISTING) - DD - Plan #1 | 7,512.8 | 7,295.2 | 391.4 | 360.9 | 12.853 | CC, ES, SF |
| DIANE #44-28 (EXISTING) - EXISTING - GYRO | | | | | | Out of range |
| DIANE #6-4-28 (EXISTING) - EXISTING - SURVEYS | | | | | | Out of range |
| DIANE #8-6-28 (EXISTING) - EXISTING - SURVEYS | | | | | | Out of range |
| ELAINE #43-28 (EXISTING) - EXISTING - NO SURVEYS | | | | | | Out of range |
| HSR-ARISTOCRAT #13-27A (EXISTING) - EXISTING - S | | | | | | Out of range |
| MAIER #1 (EXISTING) - EXISTING - GYRO | | | | | | Out of range |
| MAIER #31-28 (EXISTING) - EXISTING - SURVEYS | 11,685.2 | 7,352.2 | 373.7 | 274.8 | 3.778 | CC, ES |
| MAIER #31-28 (EXISTING) - EXISTING - SURVEYS | 11,700.0 | 7,352.4 | 374.0 | 274.8 | 3.771 | SF |
| MAIER #32-28 (EXISTING) - EXISTING - GYRO | 10,493.3 | 7,189.9 | 276.5 | 216.3 | 4.592 | CC |
| MAIER #32-28 (EXISTING) - EXISTING - GYRO | 10,500.0 | 7,189.9 | 276.6 | 216.2 | 4.585 | ES, SF |
| MAIER #33-28 (EXISTING) - EXISTING - GYRO | 8,934.6 | 7,218.3 | 174.5 | 140.0 | 5.051 | CC, ES, SF |
| MAIER #41-28 (EXISTING) - EXISTING - GYRO | | | | | | Out of range |
| MAIER #4-2-28 (EXISTING) - EXISTING - SURVEYS | 11,109.6 | 7,274.5 | 156.5 | 75.3 | 1.926 | CC, ES, SF |
| MAIER #43-28 (EXISTING) - EXISTING - GYRO | | | | | | Out of range |
| MAIER #4-4-28 (EXISTING) - EXISTING - SURVEYS | 9,656.1 | 7,303.3 | 163.5 | 104.8 | 2.782 | CC, ES, SF |
| MAIER #8-4-28 (EXISTING) - EXISTING - SURVEYS | | | | | | Out of range |
| Maier 4B-28H - Hz - Plan #1 | 300.0 | 300.0 | 8.4 | 7.4 | 8.377 | CC, ES |
| Maier 4B-28H - Hz - Plan #1 | 400.0 | 399.9 | 9.2 | 7.8 | 6.801 | SF |
| Maier 4C-28H - Hz - Plan #1 | | | | | | Out of range |
| Maier 4D-28H - Hz - Plan #1 | | | | | | Out of range |
| MCQUEARY #28-2 (EXISTING) - EXISTING - NO SURV | | | | | | Out of range |
| UPRR 50 PAN AM C 1 (EXISTING) - EXISTING - NO SU | | | | | | Out of range |
| URSULA #1 (EXISTING) - EXISTING - NO SURVEYS | | | | | | Out of range |
| URSULA #2 (EXISTING) - EXISTING - NO SURVEYS | | | | | | Out of range |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design S28-T2N-R66W (Maier) - BREICKLER #1 (EXISTING) - EXISTING - NO SURVEYS | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 89.41 | 2.9 | 282.8 | 283.2 | | | | | |
| 100.0 | 100.0 | 85.0 | 85.0 | 0.2 | 0.1 | 89.41 | 2.9 | 282.8 | 282.8 | 282.5 | 0.30 | 942.022 | | |
| 200.0 | 200.0 | 185.0 | 185.0 | 0.3 | 0.3 | 89.41 | 2.9 | 282.8 | 282.8 | 282.2 | 0.65 | 435.602 | | |
| 300.0 | 300.0 | 285.0 | 285.0 | 0.5 | 0.5 | 89.41 | 2.9 | 282.8 | 282.8 | 281.8 | 1.00 | 283.294 CC | | |
| 400.0 | 400.0 | 385.0 | 385.0 | 0.7 | 0.7 | -105.86 | 2.9 | 282.8 | 283.1 | 281.7 | 1.35 | 209.982 ES | | |
| 500.0 | 500.0 | 485.0 | 485.0 | 0.9 | 0.8 | -106.36 | 2.9 | 282.8 | 283.8 | 282.1 | 1.70 | 166.848 | | |
| 600.0 | 599.9 | 584.9 | 584.9 | 1.0 | 1.0 | -107.19 | 2.9 | 282.8 | 285.0 | 283.0 | 2.06 | 138.376 | | |
| 700.0 | 699.7 | 684.7 | 684.7 | 1.2 | 1.2 | -108.33 | 2.9 | 282.8 | 286.9 | 284.5 | 2.43 | 118.163 | | |
| 800.0 | 799.4 | 784.4 | 784.4 | 1.4 | 1.4 | -109.78 | 2.9 | 282.8 | 289.5 | 286.7 | 2.81 | 103.104 | | |
| 900.0 | 898.9 | 883.9 | 883.9 | 1.7 | 1.5 | -111.50 | 2.9 | 282.8 | 292.9 | 289.7 | 3.20 | 91.521 | | |
| 1,000.0 | 998.3 | 983.3 | 983.3 | 1.9 | 1.7 | -113.48 | 2.9 | 282.8 | 297.2 | 293.6 | 3.61 | 82.429 | | |
| 1,100.0 | 1,097.4 | 1,082.4 | 1,082.4 | 2.2 | 1.9 | -115.68 | 2.9 | 282.8 | 302.7 | 298.7 | 4.02 | 75.213 | | |
| 1,200.0 | 1,196.3 | 1,181.3 | 1,181.3 | 2.5 | 2.1 | -118.07 | 2.9 | 282.8 | 309.4 | 305.0 | 4.45 | 69.464 | | |
| 1,300.0 | 1,294.9 | 1,279.9 | 1,279.9 | 2.8 | 2.2 | -120.60 | 2.9 | 282.8 | 317.6 | 312.7 | 4.89 | 64.900 | | |
| 1,400.0 | 1,393.3 | 1,378.3 | 1,378.3 | 3.1 | 2.4 | -123.23 | 2.9 | 282.8 | 327.4 | 322.0 | 5.34 | 61.314 | | |
| 1,500.0 | 1,491.2 | 1,476.2 | 1,476.2 | 3.5 | 2.6 | -125.92 | 2.9 | 282.8 | 338.8 | 333.1 | 5.79 | 58.548 | | |
| 1,600.0 | 1,589.1 | 1,574.1 | 1,574.1 | 3.9 | 2.7 | -128.63 | 2.9 | 282.8 | 351.6 | 345.4 | 6.23 | 56.484 | | |
| 1,700.0 | 1,686.9 | 1,671.9 | 1,671.9 | 4.3 | 2.9 | -131.15 | 2.9 | 282.8 | 365.1 | 358.5 | 6.65 | 54.892 | | |
| 1,800.0 | 1,784.7 | 1,769.7 | 1,769.7 | 4.7 | 3.1 | -133.49 | 2.9 | 282.8 | 379.3 | 372.2 | 7.07 | 53.666 | | |
| 1,900.0 | 1,882.5 | 1,867.5 | 1,867.5 | 5.0 | 3.3 | -135.66 | 2.9 | 282.8 | 394.1 | 386.6 | 7.47 | 52.728 | | |
| 2,000.0 | 1,980.3 | 1,965.3 | 1,965.3 | 5.4 | 3.4 | -137.67 | 2.9 | 282.8 | 409.3 | 401.5 | 7.87 | 52.015 | | |
| 2,100.0 | 2,078.1 | 2,063.1 | 2,063.1 | 5.8 | 3.6 | -139.54 | 2.9 | 282.8 | 425.1 | 416.8 | 8.26 | 51.480 | | |
| 2,200.0 | 2,175.9 | 2,160.9 | 2,160.9 | 6.2 | 3.8 | -141.28 | 2.9 | 282.8 | 441.3 | 432.6 | 8.64 | 51.087 | | |
| 2,300.0 | 2,273.8 | 2,258.8 | 2,258.8 | 6.6 | 3.9 | -142.90 | 2.9 | 282.8 | 457.8 | 448.8 | 9.01 | 50.807 | | |
| 2,400.0 | 2,371.6 | 2,356.6 | 2,356.6 | 7.0 | 4.1 | -144.40 | 2.9 | 282.8 | 474.7 | 465.3 | 9.38 | 50.617 | | |
| 2,500.0 | 2,469.4 | 2,454.4 | 2,454.4 | 7.4 | 4.3 | -145.80 | 2.9 | 282.8 | 491.8 | 482.1 | 9.74 | 50.499 | | |
| 7,400.0 | 7,179.4 | 7,164.4 | 7,164.4 | 13.6 | 12.5 | 79.09 | 2.9 | 282.8 | 492.3 | 466.9 | 25.44 | 19.355 | | |
| 7,500.0 | 7,215.3 | 7,200.3 | 7,200.3 | 13.5 | 12.6 | 85.86 | 2.9 | 282.8 | 461.6 | 436.0 | 25.67 | 17.986 | | |
| 7,600.0 | 7,238.0 | 7,223.0 | 7,223.0 | 13.6 | 12.6 | 89.74 | 2.9 | 282.8 | 448.4 | 422.6 | 25.86 | 17.342 | | |
| 7,613.2 | 7,240.0 | 7,225.0 | 7,225.0 | 13.6 | 12.6 | 90.00 | 2.9 | 282.8 | 448.2 | 422.3 | 25.90 | 17.304 SF | | |
| 7,700.0 | 7,246.9 | 7,231.9 | 7,231.9 | 13.9 | 12.6 | 90.21 | 2.9 | 282.8 | 456.5 | 430.3 | 26.19 | 17.429 | | |
| 7,800.0 | 7,247.0 | 7,232.0 | 7,232.0 | 14.4 | 12.6 | 90.00 | 2.9 | 282.8 | 485.5 | 458.7 | 26.72 | 18.167 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design S28-T2N-R66W (Maier) - DIANE #34-28 (EXISTING) - DD - Plan #1 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|------------------------|------------------------|------------------------|-------------------|----------------|--------------------------|---|---------------|-------------------------|--------------------------|---------------------------|---------------------------|---------|
| Survey Program: 0-MWD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | | | | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning |
| 7,200.0 | 7,070.5 | 7,146.7 | 7,066.5 | 14.3 | 19.0 | 65.40 | -95.2 | 225.9 | 476.9 | 449.5 | 27.42 | 17.392 | |
| 7,300.0 | 7,130.8 | 7,207.0 | 7,126.8 | 13.9 | 19.1 | 74.94 | -95.2 | 225.9 | 436.3 | 407.3 | 29.00 | 15.044 | |
| 7,400.0 | 7,179.4 | 7,255.5 | 7,175.4 | 13.6 | 19.1 | 83.47 | -95.2 | 225.9 | 405.4 | 375.3 | 30.01 | 13.509 | |
| 7,500.0 | 7,215.3 | 7,291.5 | 7,211.3 | 13.5 | 19.2 | 89.47 | -95.2 | 225.9 | 391.6 | 361.2 | 30.41 | 12.876 | |
| 7,512.8 | 7,219.0 | 7,295.2 | 7,215.0 | 13.4 | 19.2 | 90.00 | -95.2 | 225.9 | 391.4 | 360.9 | 30.45 | 12.853 CC, ES, SF | |
| 7,600.0 | 7,238.0 | 7,314.2 | 7,234.0 | 13.6 | 19.2 | 91.97 | -95.2 | 225.9 | 400.5 | 369.9 | 30.59 | 13.091 | |
| 7,700.0 | 7,246.9 | 7,323.0 | 7,242.9 | 13.9 | 19.2 | 90.52 | -95.2 | 225.9 | 432.7 | 401.8 | 30.89 | 14.007 | |
| 7,800.0 | 7,247.0 | 7,323.2 | 7,243.0 | 14.4 | 19.2 | 90.00 | -95.2 | 225.9 | 483.9 | 452.5 | 31.42 | 15.402 | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design S28-T2N-R66W (Maier) - MAIER #31-28 (EXISTING) - EXISTING - SURVEYS | | | | | | | | | | | | | Offset Site Error: 0.0 ft |
|--|------------------------|------------------------|------------------------|-------------------|----------------|--------------------------|---|---------------|-------------------------|--------------------------|---------------------------|-------------------|----------------------------------|
| Survey Program: 93-MWD | | | | | | | | | | | | | Offset Well Error: 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | |
| 11,400.0 | 7,247.0 | 7,349.6 | 7,198.0 | 69.5 | 24.6 | 89.08 | 4,074.5 | 208.3 | 470.1 | 376.1 | 93.99 | 5.002 | |
| 11,500.0 | 7,247.0 | 7,350.5 | 7,199.0 | 71.2 | 24.6 | 89.23 | 4,074.5 | 208.3 | 417.1 | 321.4 | 95.72 | 4.357 | |
| 11,600.0 | 7,247.0 | 7,351.4 | 7,199.9 | 73.0 | 24.6 | 89.37 | 4,074.6 | 208.3 | 383.3 | 285.8 | 97.45 | 3.933 | |
| 11,685.2 | 7,247.0 | 7,352.2 | 7,200.7 | 74.4 | 24.6 | 89.49 | 4,074.6 | 208.3 | 373.7 | 274.8 | 98.92 | 3.778 CC, ES | |
| 11,700.0 | 7,247.0 | 7,352.4 | 7,200.8 | 74.7 | 24.6 | 89.51 | 4,074.6 | 208.3 | 374.0 | 274.8 | 99.18 | 3.771 SF | |
| 11,785.3 | 7,247.0 | 7,353.2 | 7,201.6 | 76.2 | 24.6 | 89.64 | 4,074.6 | 208.3 | 386.9 | 286.2 | 100.65 | 3.844 | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | | | | | | | | | | | | S28-T2N-R66W (Maier) - MAIER #32-28 (EXISTING) - EXISTING - GYRO | | Offset Site Error: | | 0.0 ft | |
|-----------------|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|------------------------|-------------------|--|--|--------------------|--|--------|--|
| Survey Program: | | | | | | | | | | | | | 100-Gyro | | Offset Well Error: | | 0.0 ft | |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | | | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Total Uncertainty Axis | Separation Factor | Warning | | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | | | | | | | | |
| 10,100.0 | 7,247.0 | 7,189.5 | 7,187.9 | 47.4 | 6.3 | 89.76 | 2,882.6 | 111.1 | 480.7 | 427.2 | 53.54 | 8.978 | | | | | | |
| 10,200.0 | 7,247.0 | 7,189.6 | 7,188.0 | 49.0 | 6.3 | 89.79 | 2,882.6 | 111.1 | 403.1 | 347.8 | 55.23 | 7.298 | | | | | | |
| 10,300.0 | 7,247.0 | 7,189.7 | 7,188.1 | 50.7 | 6.3 | 89.81 | 2,882.6 | 111.1 | 337.3 | 280.4 | 56.92 | 5.926 | | | | | | |
| 10,400.0 | 7,247.0 | 7,189.8 | 7,188.2 | 52.4 | 6.3 | 89.83 | 2,882.6 | 111.1 | 291.8 | 233.2 | 58.62 | 4.978 | | | | | | |
| 10,493.3 | 7,247.0 | 7,189.9 | 7,188.3 | 54.0 | 6.3 | 89.85 | 2,882.6 | 111.1 | 276.5 | 216.3 | 60.20 | 4.592 CC | | | | | | |
| 10,500.0 | 7,247.0 | 7,189.9 | 7,188.3 | 54.1 | 6.3 | 89.85 | 2,882.6 | 111.1 | 276.6 | 216.2 | 60.32 | 4.585 ES, SF | | | | | | |
| 10,600.0 | 7,247.0 | 7,190.0 | 7,188.4 | 55.8 | 6.3 | 89.87 | 2,882.6 | 111.1 | 296.4 | 234.3 | 62.02 | 4.778 | | | | | | |
| 10,700.0 | 7,247.0 | 7,190.1 | 7,188.5 | 57.5 | 6.3 | 89.89 | 2,882.6 | 111.1 | 345.2 | 281.5 | 63.73 | 5.417 | | | | | | |
| 10,800.0 | 7,247.0 | 7,190.2 | 7,188.6 | 59.2 | 6.3 | 89.91 | 2,882.6 | 111.1 | 412.9 | 347.5 | 65.44 | 6.310 | | | | | | |
| 10,900.0 | 7,247.0 | 7,190.3 | 7,188.7 | 60.9 | 6.3 | 89.93 | 2,882.6 | 111.1 | 491.8 | 424.6 | 67.15 | 7.324 | | | | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design | | S28-T2N-R66W (Maier) - MAIER #33-28 (EXISTING) - EXISTING - GYRO | | | | | | | | | | Offset Site Error: | | 0.0 ft |
|---------------------|---------------------|--|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|-------------------|--------|
| Survey Program: | | 100-Gyro | | | | | | | | | | Offset Well Error: | | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | | Distance | | | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | | Separation Factor | |
| 8,500.0 | 7,247.0 | 7,235.1 | 7,229.5 | 22.0 | 6.6 | 95.08 | 1,323.3 | 9.2 | 468.0 | 440.0 | 28.06 | 16.680 | | |
| 8,600.0 | 7,247.0 | 7,231.2 | 7,225.6 | 23.4 | 6.6 | 93.80 | 1,323.4 | 9.2 | 377.2 | 347.7 | 29.50 | 12.786 | | |
| 8,700.0 | 7,247.0 | 7,227.3 | 7,221.7 | 24.8 | 6.6 | 92.53 | 1,323.6 | 9.2 | 292.3 | 261.3 | 30.98 | 9.435 | | |
| 8,800.0 | 7,247.0 | 7,223.4 | 7,217.9 | 26.3 | 6.6 | 91.26 | 1,323.7 | 9.1 | 220.3 | 187.9 | 32.48 | 6.783 | | |
| 8,900.0 | 7,247.0 | 7,219.6 | 7,214.0 | 27.8 | 6.6 | 90.00 | 1,323.9 | 9.1 | 177.9 | 143.9 | 34.01 | 5.231 | | |
| 8,934.6 | 7,247.0 | 7,218.3 | 7,212.7 | 28.4 | 6.6 | 89.57 | 1,323.9 | 9.1 | 174.5 | 140.0 | 34.55 | 5.051 | CC, ES, SF | |
| 9,000.0 | 7,247.0 | 7,215.8 | 7,210.2 | 29.4 | 6.6 | 88.75 | 1,324.0 | 9.1 | 186.3 | 150.8 | 35.56 | 5.241 | | |
| 9,100.0 | 7,247.0 | 7,212.0 | 7,206.4 | 30.9 | 6.5 | 87.50 | 1,324.2 | 9.0 | 240.4 | 203.2 | 37.11 | 6.476 | | |
| 9,200.0 | 7,247.0 | 7,208.2 | 7,202.6 | 32.5 | 6.5 | 86.27 | 1,324.3 | 9.0 | 317.5 | 278.8 | 38.67 | 8.209 | | |
| 9,300.0 | 7,247.0 | 7,204.4 | 7,198.9 | 34.1 | 6.5 | 85.04 | 1,324.5 | 9.0 | 404.7 | 364.5 | 40.23 | 10.059 | | |
| 9,400.0 | 7,247.0 | 7,200.0 | 7,194.4 | 35.8 | 6.5 | 83.60 | 1,324.6 | 9.0 | 496.7 | 454.9 | 41.77 | 11.892 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design S28-T2N-R66W (Maier) - MAIER #4-2-28 (EXISTING) - EXISTING - SURVEYS | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|------------------------|------------------------|------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 92-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | | |
| 10,700.0 | 7,247.0 | 7,267.9 | 7,195.2 | 57.5 | 18.3 | -86.78 | 3,498.9 | -321.8 | 438.5 | 364.3 | 74.19 | 5.910 | | |
| 10,800.0 | 7,247.0 | 7,269.5 | 7,196.8 | 59.2 | 18.3 | -87.37 | 3,498.9 | -321.9 | 346.9 | 271.0 | 75.93 | 4.569 | | |
| 10,900.0 | 7,247.0 | 7,271.1 | 7,198.4 | 60.9 | 18.3 | -87.96 | 3,498.9 | -321.9 | 261.6 | 183.9 | 77.67 | 3.368 | | |
| 11,000.0 | 7,247.0 | 7,272.8 | 7,200.0 | 62.7 | 18.3 | -88.55 | 3,498.9 | -321.9 | 191.1 | 111.7 | 79.40 | 2.407 | | |
| 11,100.0 | 7,247.0 | 7,274.4 | 7,201.7 | 64.4 | 18.3 | -89.14 | 3,499.0 | -321.9 | 156.8 | 75.7 | 81.13 | 1.933 | | |
| 11,109.6 | 7,247.0 | 7,274.5 | 7,201.8 | 64.5 | 18.3 | -89.20 | 3,499.0 | -321.9 | 156.5 | 75.3 | 81.30 | 1.926 | CC, ES, SF | |
| 11,200.0 | 7,247.0 | 7,276.0 | 7,203.3 | 66.1 | 18.3 | -89.73 | 3,499.0 | -322.0 | 180.8 | 97.9 | 82.85 | 2.182 | | |
| 11,300.0 | 7,247.0 | 7,277.6 | 7,204.9 | 67.8 | 18.3 | -90.33 | 3,499.0 | -322.0 | 246.5 | 161.9 | 84.57 | 2.914 | | |
| 11,400.0 | 7,247.0 | 7,279.2 | 7,206.5 | 69.5 | 18.3 | -90.92 | 3,499.0 | -322.0 | 329.9 | 243.6 | 86.28 | 3.823 | | |
| 11,500.0 | 7,247.0 | 7,280.9 | 7,208.2 | 71.2 | 18.3 | -91.52 | 3,499.1 | -322.0 | 420.6 | 332.6 | 87.99 | 4.780 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design S28-T2N-R66W (Maier) - MAIER #4-4-28 (EXISTING) - EXISTING - SURVEYS | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|------------|
| Survey Program: 92-MWD | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | |
| 9,200.0 | 7,247.0 | 7,304.4 | 7,204.0 | 32.5 | 20.3 | -89.99 | 2,045.5 | -329.0 | 484.6 | 433.2 | 51.35 | 9.437 | |
| 9,300.0 | 7,247.0 | 7,304.2 | 7,203.7 | 34.1 | 20.3 | -89.90 | 2,045.5 | -329.0 | 391.9 | 338.9 | 52.96 | 7.400 | |
| 9,400.0 | 7,247.0 | 7,303.9 | 7,203.4 | 35.8 | 20.3 | -89.81 | 2,045.5 | -329.0 | 303.9 | 249.3 | 54.58 | 5.568 | |
| 9,500.0 | 7,247.0 | 7,303.6 | 7,203.2 | 37.4 | 20.3 | -89.72 | 2,045.5 | -329.0 | 226.1 | 169.9 | 56.22 | 4.022 | |
| 9,600.0 | 7,247.0 | 7,303.4 | 7,202.9 | 39.0 | 20.3 | -89.63 | 2,045.5 | -329.0 | 172.9 | 115.0 | 57.86 | 2.988 | |
| 9,656.1 | 7,247.0 | 7,303.3 | 7,202.8 | 40.0 | 20.3 | -89.58 | 2,045.5 | -329.0 | 163.5 | 104.8 | 58.79 | 2.782 | CC, ES, SF |
| 9,700.0 | 7,247.0 | 7,303.1 | 7,202.7 | 40.7 | 20.3 | -89.54 | 2,045.5 | -329.0 | 169.3 | 109.8 | 59.52 | 2.845 | |
| 9,800.0 | 7,247.0 | 7,302.9 | 7,202.4 | 42.3 | 20.3 | -89.45 | 2,045.5 | -329.0 | 217.8 | 156.6 | 61.18 | 3.560 | |
| 9,900.0 | 7,247.0 | 7,302.6 | 7,202.2 | 44.0 | 20.3 | -89.37 | 2,045.5 | -329.0 | 293.6 | 230.8 | 62.85 | 4.672 | |
| 10,000.0 | 7,247.0 | 7,302.4 | 7,202.0 | 45.7 | 20.3 | -89.28 | 2,045.5 | -328.9 | 380.8 | 316.3 | 64.53 | 5.901 | |
| 10,100.0 | 7,247.0 | 7,302.2 | 7,201.7 | 47.4 | 20.3 | -89.20 | 2,045.5 | -328.9 | 473.0 | 406.8 | 66.21 | 7.145 | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

| Offset Design S28-T2N-R66W (Maier) - Maier 4B-28H - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|--------------|--------------------|--------|
| Survey Program: 0-MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Distance | | Total | | Separation | | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 90.06 | 0.0 | 8.4 | 8.4 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.2 | 0.2 | 90.06 | 0.0 | 8.4 | 8.4 | 8.1 | 0.30 | 27.633 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 90.06 | 0.0 | 8.4 | 8.4 | 7.7 | 0.65 | 12.856 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 90.06 | 0.0 | 8.4 | 8.4 | 7.4 | 1.00 | 8.377 CC, ES | | |
| 400.0 | 400.0 | 399.9 | 399.9 | 0.7 | 0.7 | -106.19 | -0.7 | 9.0 | 9.2 | 7.8 | 1.35 | 6.801 SF | | |
| 500.0 | 500.0 | 499.8 | 499.7 | 0.9 | 0.9 | -108.67 | -2.6 | 10.7 | 11.6 | 9.9 | 1.71 | 6.802 | | |
| 600.0 | 599.9 | 599.5 | 599.4 | 1.0 | 1.0 | -111.09 | -5.9 | 13.5 | 15.7 | 13.6 | 2.07 | 7.559 | | |
| 700.0 | 699.7 | 699.2 | 698.9 | 1.2 | 1.2 | -112.92 | -10.5 | 17.5 | 21.4 | 18.9 | 2.46 | 8.705 | | |
| 800.0 | 799.4 | 798.7 | 798.1 | 1.4 | 1.4 | -114.19 | -16.4 | 22.6 | 28.7 | 25.9 | 2.86 | 10.045 | | |
| 900.0 | 898.9 | 898.0 | 896.9 | 1.7 | 1.7 | -115.04 | -23.5 | 28.8 | 37.7 | 34.4 | 3.29 | 11.462 | | |
| 1,000.0 | 998.3 | 997.0 | 995.3 | 1.9 | 1.9 | -115.63 | -32.0 | 36.2 | 48.3 | 44.5 | 3.75 | 12.883 | | |
| 1,100.0 | 1,097.4 | 1,095.8 | 1,093.3 | 2.2 | 2.2 | -116.03 | -41.7 | 44.6 | 60.5 | 56.3 | 4.24 | 14.263 | | |
| 1,200.0 | 1,196.3 | 1,194.3 | 1,190.7 | 2.5 | 2.5 | -116.30 | -52.6 | 54.1 | 74.3 | 69.6 | 4.77 | 15.575 | | |
| 1,300.0 | 1,294.9 | 1,292.4 | 1,287.5 | 2.8 | 2.8 | -116.48 | -64.7 | 64.6 | 89.7 | 84.4 | 5.34 | 16.802 | | |
| 1,400.0 | 1,393.3 | 1,390.2 | 1,383.6 | 3.1 | 3.1 | -116.59 | -78.0 | 76.2 | 106.7 | 100.8 | 5.95 | 17.937 | | |
| 1,500.0 | 1,491.2 | 1,487.5 | 1,479.0 | 3.5 | 3.5 | -116.66 | -92.5 | 88.8 | 125.3 | 118.7 | 6.60 | 18.981 | | |
| 1,600.0 | 1,589.1 | 1,585.4 | 1,574.8 | 3.9 | 3.8 | -116.78 | -107.9 | 102.2 | 144.8 | 137.5 | 7.27 | 19.906 | | |
| 1,700.0 | 1,686.9 | 1,683.5 | 1,670.8 | 4.3 | 4.2 | -116.87 | -123.3 | 115.6 | 164.2 | 156.3 | 7.95 | 20.652 | | |
| 1,800.0 | 1,784.7 | 1,781.6 | 1,766.7 | 4.7 | 4.6 | -116.94 | -138.7 | 128.9 | 183.7 | 175.0 | 8.64 | 21.263 | | |
| 1,900.0 | 1,882.5 | 1,879.7 | 1,862.6 | 5.0 | 5.0 | -116.99 | -154.1 | 142.3 | 203.1 | 193.8 | 9.33 | 21.772 | | |
| 2,000.0 | 1,980.3 | 1,977.8 | 1,958.6 | 5.4 | 5.4 | -117.04 | -169.5 | 155.7 | 222.6 | 212.6 | 10.03 | 22.201 | | |
| 2,100.0 | 2,078.1 | 2,075.9 | 2,054.5 | 5.8 | 5.8 | -117.08 | -184.9 | 169.1 | 242.1 | 231.3 | 10.73 | 22.568 | | |
| 2,200.0 | 2,175.9 | 2,174.0 | 2,150.5 | 6.2 | 6.1 | -117.11 | -200.3 | 182.5 | 261.5 | 250.1 | 11.43 | 22.884 | | |
| 2,300.0 | 2,273.8 | 2,272.0 | 2,246.4 | 6.6 | 6.5 | -117.14 | -215.6 | 195.8 | 281.0 | 268.8 | 12.13 | 23.159 | | |
| 2,400.0 | 2,371.6 | 2,370.1 | 2,342.4 | 7.0 | 6.9 | -117.17 | -231.0 | 209.2 | 300.4 | 287.6 | 12.84 | 23.400 | | |
| 2,500.0 | 2,469.4 | 2,468.2 | 2,438.3 | 7.4 | 7.3 | -117.19 | -246.4 | 222.6 | 319.9 | 306.4 | 13.55 | 23.613 | | |
| 2,600.0 | 2,567.2 | 2,566.3 | 2,534.3 | 7.8 | 7.7 | -117.21 | -261.8 | 236.0 | 339.4 | 325.1 | 14.26 | 23.803 | | |
| 2,700.0 | 2,665.0 | 2,664.4 | 2,630.2 | 8.2 | 8.1 | -117.23 | -277.2 | 249.4 | 358.8 | 343.9 | 14.97 | 23.973 | | |
| 2,800.0 | 2,762.8 | 2,762.5 | 2,726.1 | 8.6 | 8.5 | -117.24 | -292.6 | 262.7 | 378.3 | 362.6 | 15.68 | 24.126 | | |
| 2,900.0 | 2,860.7 | 2,860.6 | 2,822.1 | 9.0 | 8.9 | -117.26 | -308.0 | 276.1 | 397.7 | 381.3 | 16.39 | 24.264 | | |
| 3,000.0 | 2,958.5 | 2,958.7 | 2,918.0 | 9.4 | 9.3 | -117.27 | -323.4 | 289.5 | 417.2 | 400.1 | 17.11 | 24.390 | | |
| 3,100.0 | 3,056.3 | 3,056.8 | 3,014.0 | 9.8 | 9.7 | -117.28 | -338.8 | 302.9 | 436.7 | 418.8 | 17.82 | 24.504 | | |
| 3,200.0 | 3,154.1 | 3,154.8 | 3,109.9 | 10.2 | 10.1 | -117.29 | -354.2 | 316.3 | 456.1 | 437.6 | 18.53 | 24.609 | | |
| 3,300.0 | 3,251.9 | 3,252.9 | 3,205.9 | 10.6 | 10.5 | -117.30 | -369.6 | 329.6 | 475.6 | 456.3 | 19.25 | 24.706 | | |
| 3,400.0 | 3,349.8 | 3,351.0 | 3,301.8 | 11.0 | 10.9 | -117.37 | -385.0 | 343.0 | 494.9 | 475.0 | 19.97 | 24.788 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Maier 4A-28H |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Reference Site: | S28-T2N-R66W (Maier) | MD Reference: | WELL @ 4987.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Maier 4A-28H | Survey Calculation Method: | Minimum Curvature |
| Well Error: | 0.0ft | Output errors are at | 2.00 sigma |
| Reference Wellbore | Hz | Database: | USA EDM 5000 Multi Users DB |
| Reference Design: | Plan #1 | Offset TVD Reference: | Offset Datum |

Reference Depths are relative to WELL @ 4987.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Maier 4A-28H
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.46°

