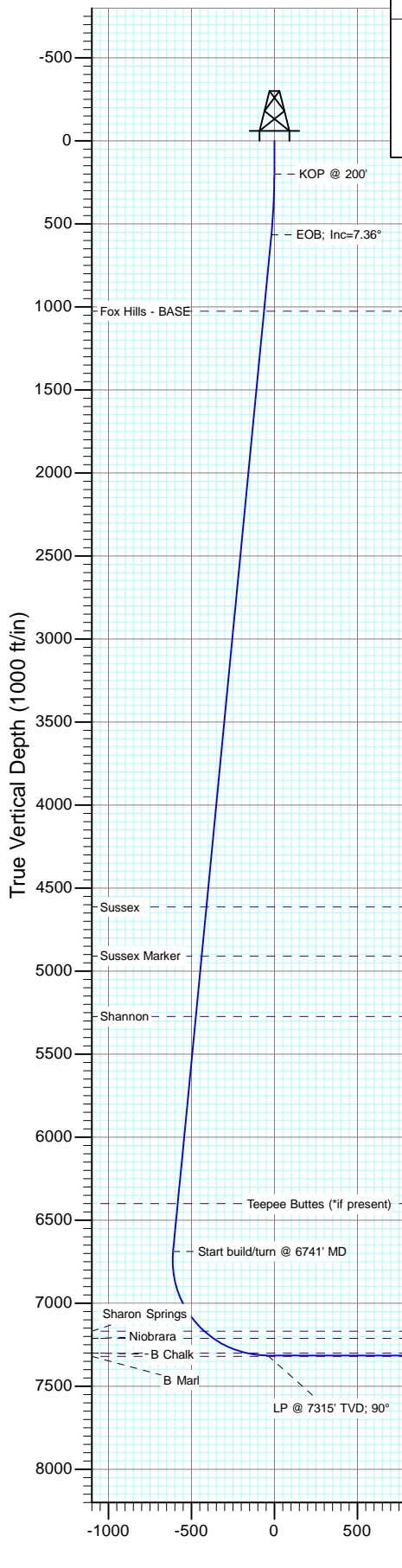
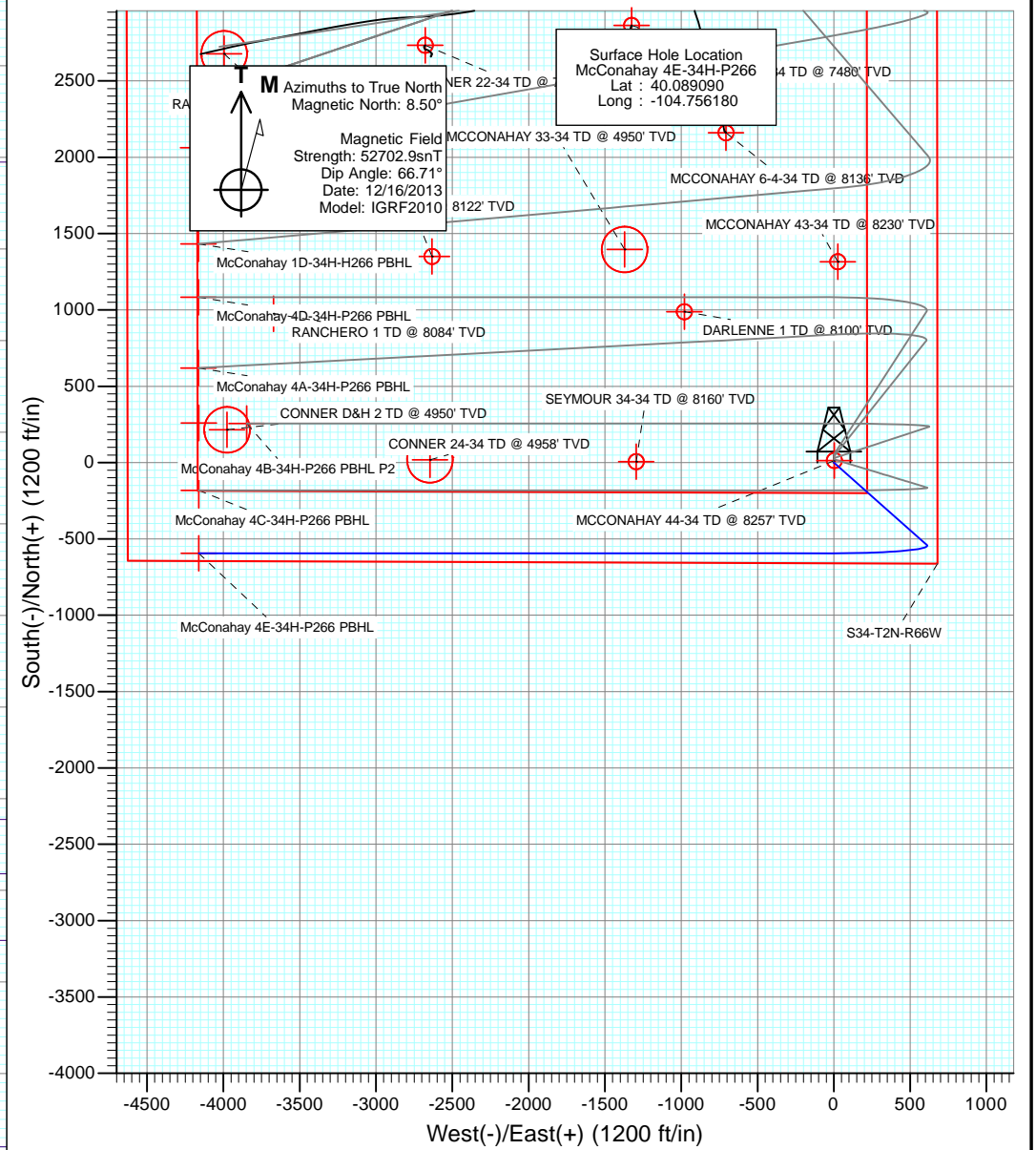




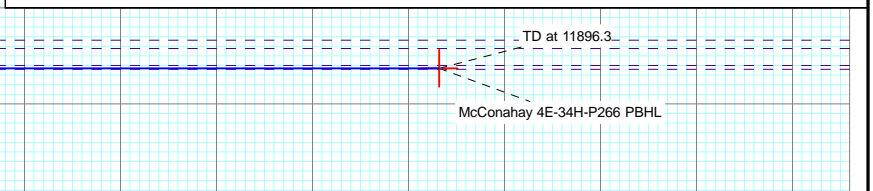
Project: DJ Wattenberg
Site: S34-T2N-R66W (McConahay)
Well: McConahay 4E-34H-P266
Wellbore: Hz
Design: Plan #1



| SECTION DETAILS | | | | | | | | | | |
|-----------------|---------|-------|--------|--------|--------|---------|-------|--------|--------|----------------------------|
| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | Vsect | Target |
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 568.0 | 7.36 | 131.52 | 567.0 | -15.6 | 17.7 | 2.00 | 131.52 | -17.7 | |
| 4 | 6741.2 | 7.36 | 131.52 | 6689.4 | -539.8 | 609.8 | 0.00 | 0.00 | -609.8 | |
| 5 | 7696.3 | 90.00 | 270.00 | 7315.0 | -593.4 | 39.5 | 10.00 | 138.24 | -39.5 | |
| 6 | 11896.3 | 90.00 | 270.00 | 7315.0 | -593.4 | -4160.5 | 0.00 | 0.00 | 4160.5 | McConahay 4E-34H-P266 PBHL |



| DESIGN TARGET DETAILS | | | | | |
|----------------------------|--------|---------|------------|------------|-----------|
| Name | +N/-S | +E/-W | Northing | Easting | Latitude |
| McConahay 4E-34H-P266 PBHL | -593.4 | -4160.5 | 1275547.23 | 3203960.17 | 40.087460 |



Plan #1
McConahay 4E-34H-P266
13xxx; LR
WELL @ 5101.0ft (Original Well Elev)
Ground Elevation @ 5076.0
North American Datum 1983
Well McConahay 4E-34H-P266, True North

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site: | S34-T2N-R66W (McConahay) | North Reference: | True |
| Well: | McConahay 4E-34H-P266 | 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 | | S34-T2N-R66W (McConahay) | | | |
| Site Position: | | Northing: | 1,280,109.37 ft | Latitude: | 40.099880 |
| From: | Lat/Long | Easting: | 3,208,491.04 ft | Longitude: | -104.754720 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | 0.48 ° |

| | | | | | | |
|----------------------|-----------------------|--------|---------------------|-----------------|---------------|-------------|
| Well | McConahay 4E-34H-P266 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,276,175.52 ft | Latitude: | 40.089090 |
| | +E/-W | 0.0 ft | Easting: | 3,208,115.60 ft | Longitude: | -104.756180 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 5,076.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Hz | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 12/16/2013 | 8.50 | 66.71 | 52,703 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| 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 | 270.00 |

| 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 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 568.0 | 7.36 | 131.52 | 567.0 | -15.6 | 17.7 | 2.00 | 2.00 | 0.00 | 131.52 | |
| 6,741.2 | 7.36 | 131.52 | 6,689.4 | -539.8 | 609.8 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,696.3 | 90.00 | 270.00 | 7,315.0 | -593.4 | 39.5 | 10.00 | 8.65 | 14.50 | 138.24 | |
| 11,896.3 | 90.00 | 270.00 | 7,315.0 | -593.4 | -4,160.5 | 0.00 | 0.00 | 0.00 | 0.00 | McConahay 4E-34H-f |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site: | S34-T2N-R66W (McConahay) | North Reference: | True |
| Well: | McConahay 4E-34H-P266 | 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 | KOP @ 200' |
| 300.0 | 2.00 | 131.52 | 300.0 | -1.2 | 1.3 | -1.3 | 2.00 | 2.00 | |
| 400.0 | 4.00 | 131.52 | 399.8 | -4.6 | 5.2 | -5.2 | 2.00 | 2.00 | |
| 500.0 | 6.00 | 131.52 | 499.5 | -10.4 | 11.8 | -11.8 | 2.00 | 2.00 | |
| 568.0 | 7.36 | 131.52 | 567.0 | -15.6 | 17.7 | -17.7 | 2.00 | 2.00 | EOB; Inc=7.36° |
| 600.0 | 7.36 | 131.52 | 598.7 | -18.4 | 20.7 | -20.7 | 0.00 | 0.00 | |
| 700.0 | 7.36 | 131.52 | 697.9 | -26.9 | 30.3 | -30.3 | 0.00 | 0.00 | |
| 800.0 | 7.36 | 131.52 | 797.1 | -35.3 | 39.9 | -39.9 | 0.00 | 0.00 | |
| 900.0 | 7.36 | 131.52 | 896.3 | -43.8 | 49.5 | -49.5 | 0.00 | 0.00 | |
| 1,000.0 | 7.36 | 131.52 | 995.4 | -52.3 | 59.1 | -59.1 | 0.00 | 0.00 | |
| 1,030.8 | 7.36 | 131.52 | 1,026.0 | -54.9 | 62.1 | -62.1 | 0.00 | 0.00 | Fox Hills - BASE |
| 1,100.0 | 7.36 | 131.52 | 1,094.6 | -60.8 | 68.7 | -68.7 | 0.00 | 0.00 | |
| 1,200.0 | 7.36 | 131.52 | 1,193.8 | -69.3 | 78.3 | -78.3 | 0.00 | 0.00 | |
| 1,300.0 | 7.36 | 131.52 | 1,293.0 | -77.8 | 87.9 | -87.9 | 0.00 | 0.00 | |
| 1,400.0 | 7.36 | 131.52 | 1,392.1 | -86.3 | 97.5 | -97.5 | 0.00 | 0.00 | |
| 1,500.0 | 7.36 | 131.52 | 1,491.3 | -94.8 | 107.1 | -107.1 | 0.00 | 0.00 | |
| 1,600.0 | 7.36 | 131.52 | 1,590.5 | -103.3 | 116.7 | -116.7 | 0.00 | 0.00 | |
| 1,700.0 | 7.36 | 131.52 | 1,689.7 | -111.8 | 126.2 | -126.2 | 0.00 | 0.00 | |
| 1,800.0 | 7.36 | 131.52 | 1,788.8 | -120.3 | 135.8 | -135.8 | 0.00 | 0.00 | |
| 1,900.0 | 7.36 | 131.52 | 1,888.0 | -128.8 | 145.4 | -145.4 | 0.00 | 0.00 | |
| 2,000.0 | 7.36 | 131.52 | 1,987.2 | -137.2 | 155.0 | -155.0 | 0.00 | 0.00 | |
| 2,100.0 | 7.36 | 131.52 | 2,086.4 | -145.7 | 164.6 | -164.6 | 0.00 | 0.00 | |
| 2,200.0 | 7.36 | 131.52 | 2,185.5 | -154.2 | 174.2 | -174.2 | 0.00 | 0.00 | |
| 2,300.0 | 7.36 | 131.52 | 2,284.7 | -162.7 | 183.8 | -183.8 | 0.00 | 0.00 | |
| 2,400.0 | 7.36 | 131.52 | 2,383.9 | -171.2 | 193.4 | -193.4 | 0.00 | 0.00 | |
| 2,500.0 | 7.36 | 131.52 | 2,483.1 | -179.7 | 203.0 | -203.0 | 0.00 | 0.00 | |
| 2,600.0 | 7.36 | 131.52 | 2,582.2 | -188.2 | 212.6 | -212.6 | 0.00 | 0.00 | |
| 2,700.0 | 7.36 | 131.52 | 2,681.4 | -196.7 | 222.2 | -222.2 | 0.00 | 0.00 | |
| 2,800.0 | 7.36 | 131.52 | 2,780.6 | -205.2 | 231.8 | -231.8 | 0.00 | 0.00 | |
| 2,900.0 | 7.36 | 131.52 | 2,879.8 | -213.7 | 241.3 | -241.3 | 0.00 | 0.00 | |
| 3,000.0 | 7.36 | 131.52 | 2,979.0 | -222.2 | 250.9 | -250.9 | 0.00 | 0.00 | |
| 3,100.0 | 7.36 | 131.52 | 3,078.1 | -230.7 | 260.5 | -260.5 | 0.00 | 0.00 | |
| 3,200.0 | 7.36 | 131.52 | 3,177.3 | -239.1 | 270.1 | -270.1 | 0.00 | 0.00 | |
| 3,300.0 | 7.36 | 131.52 | 3,276.5 | -247.6 | 279.7 | -279.7 | 0.00 | 0.00 | |
| 3,400.0 | 7.36 | 131.52 | 3,375.7 | -256.1 | 289.3 | -289.3 | 0.00 | 0.00 | |
| 3,500.0 | 7.36 | 131.52 | 3,474.8 | -264.6 | 298.9 | -298.9 | 0.00 | 0.00 | |
| 3,600.0 | 7.36 | 131.52 | 3,574.0 | -273.1 | 308.5 | -308.5 | 0.00 | 0.00 | |
| 3,700.0 | 7.36 | 131.52 | 3,673.2 | -281.6 | 318.1 | -318.1 | 0.00 | 0.00 | |
| 3,800.0 | 7.36 | 131.52 | 3,772.4 | -290.1 | 327.7 | -327.7 | 0.00 | 0.00 | |
| 3,900.0 | 7.36 | 131.52 | 3,871.5 | -298.6 | 337.3 | -337.3 | 0.00 | 0.00 | |
| 4,000.0 | 7.36 | 131.52 | 3,970.7 | -307.1 | 346.8 | -346.8 | 0.00 | 0.00 | |
| 4,100.0 | 7.36 | 131.52 | 4,069.9 | -315.6 | 356.4 | -356.4 | 0.00 | 0.00 | |
| 4,200.0 | 7.36 | 131.52 | 4,169.1 | -324.1 | 366.0 | -366.0 | 0.00 | 0.00 | |
| 4,300.0 | 7.36 | 131.52 | 4,268.2 | -332.6 | 375.6 | -375.6 | 0.00 | 0.00 | |
| 4,400.0 | 7.36 | 131.52 | 4,367.4 | -341.0 | 385.2 | -385.2 | 0.00 | 0.00 | |
| 4,500.0 | 7.36 | 131.52 | 4,466.6 | -349.5 | 394.8 | -394.8 | 0.00 | 0.00 | |
| 4,600.0 | 7.36 | 131.52 | 4,565.8 | -358.0 | 404.4 | -404.4 | 0.00 | 0.00 | |
| 4,648.6 | 7.36 | 131.52 | 4,614.0 | -362.2 | 409.1 | -409.1 | 0.00 | 0.00 | Sussex |
| 4,700.0 | 7.36 | 131.52 | 4,664.9 | -366.5 | 414.0 | -414.0 | 0.00 | 0.00 | |
| 4,800.0 | 7.36 | 131.52 | 4,764.1 | -375.0 | 423.6 | -423.6 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site: | S34-T2N-R66W (McConahay) | North Reference: | True |
| Well: | McConahay 4E-34H-P266 | 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 |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|-----------------------------|
| 4,900.0 | 7.36 | 131.52 | 4,863.3 | -383.5 | 433.2 | -433.2 | 0.00 | 0.00 | |
| 4,947.1 | 7.36 | 131.52 | 4,910.0 | -387.5 | 437.7 | -437.7 | 0.00 | 0.00 | Sussex Marker |
| 5,000.0 | 7.36 | 131.52 | 4,962.5 | -392.0 | 442.8 | -442.8 | 0.00 | 0.00 | |
| 5,100.0 | 7.36 | 131.52 | 5,061.7 | -400.5 | 452.3 | -452.3 | 0.00 | 0.00 | |
| 5,200.0 | 7.36 | 131.52 | 5,160.8 | -409.0 | 461.9 | -461.9 | 0.00 | 0.00 | |
| 5,300.0 | 7.36 | 131.52 | 5,260.0 | -417.5 | 471.5 | -471.5 | 0.00 | 0.00 | |
| 5,314.1 | 7.36 | 131.52 | 5,274.0 | -418.7 | 472.9 | -472.9 | 0.00 | 0.00 | Shannon |
| 5,400.0 | 7.36 | 131.52 | 5,359.2 | -426.0 | 481.1 | -481.1 | 0.00 | 0.00 | |
| 5,500.0 | 7.36 | 131.52 | 5,458.4 | -434.4 | 490.7 | -490.7 | 0.00 | 0.00 | |
| 5,600.0 | 7.36 | 131.52 | 5,557.5 | -442.9 | 500.3 | -500.3 | 0.00 | 0.00 | |
| 5,700.0 | 7.36 | 131.52 | 5,656.7 | -451.4 | 509.9 | -509.9 | 0.00 | 0.00 | |
| 5,800.0 | 7.36 | 131.52 | 5,755.9 | -459.9 | 519.5 | -519.5 | 0.00 | 0.00 | |
| 5,900.0 | 7.36 | 131.52 | 5,855.1 | -468.4 | 529.1 | -529.1 | 0.00 | 0.00 | |
| 6,000.0 | 7.36 | 131.52 | 5,954.2 | -476.9 | 538.7 | -538.7 | 0.00 | 0.00 | |
| 6,100.0 | 7.36 | 131.52 | 6,053.4 | -485.4 | 548.3 | -548.3 | 0.00 | 0.00 | |
| 6,200.0 | 7.36 | 131.52 | 6,152.6 | -493.9 | 557.9 | -557.9 | 0.00 | 0.00 | |
| 6,300.0 | 7.36 | 131.52 | 6,251.8 | -502.4 | 567.4 | -567.4 | 0.00 | 0.00 | |
| 6,400.0 | 7.36 | 131.52 | 6,350.9 | -510.9 | 577.0 | -577.0 | 0.00 | 0.00 | |
| 6,449.5 | 7.36 | 131.52 | 6,400.0 | -515.1 | 581.8 | -581.8 | 0.00 | 0.00 | Teepee Buttes (*if present) |
| 6,500.0 | 7.36 | 131.52 | 6,450.1 | -519.4 | 586.6 | -586.6 | 0.00 | 0.00 | |
| 6,600.0 | 7.36 | 131.52 | 6,549.3 | -527.9 | 596.2 | -596.2 | 0.00 | 0.00 | |
| 6,700.0 | 7.36 | 131.52 | 6,648.5 | -536.3 | 605.8 | -605.8 | 0.00 | 0.00 | |
| 6,741.2 | 7.36 | 131.52 | 6,689.4 | -539.8 | 609.8 | -609.8 | 0.00 | 0.00 | Start build/turn @ 6741' MD |
| 6,800.0 | 4.91 | 184.34 | 6,747.8 | -544.9 | 612.4 | -612.4 | 10.00 | -4.17 | |
| 6,900.0 | 11.46 | 245.01 | 6,846.9 | -553.3 | 603.0 | -603.0 | 10.00 | 6.55 | |
| 7,000.0 | 20.93 | 257.06 | 6,942.9 | -561.6 | 576.6 | -576.6 | 10.00 | 9.47 | |
| 7,100.0 | 30.73 | 261.72 | 7,032.8 | -569.3 | 533.8 | -533.8 | 10.00 | 9.80 | |
| 7,200.0 | 40.62 | 264.27 | 7,113.9 | -576.2 | 476.0 | -476.0 | 10.00 | 9.89 | |
| 7,277.2 | 48.28 | 265.62 | 7,169.0 | -580.9 | 422.1 | -422.1 | 10.00 | 9.93 | Sharon Springs |
| 7,300.0 | 50.54 | 265.96 | 7,183.8 | -582.2 | 404.9 | -404.9 | 10.00 | 9.94 | |
| 7,346.7 | 55.19 | 266.59 | 7,212.0 | -584.6 | 367.7 | -367.7 | 10.00 | 9.94 | Niobrara |
| 7,400.0 | 60.49 | 267.22 | 7,240.4 | -587.0 | 322.7 | -322.7 | 10.00 | 9.95 | |
| 7,500.0 | 70.45 | 268.26 | 7,281.8 | -590.6 | 231.9 | -231.9 | 10.00 | 9.96 | |
| 7,564.7 | 76.89 | 268.86 | 7,300.0 | -592.1 | 169.9 | -169.9 | 10.00 | 9.96 | B Chalk |
| 7,600.0 | 80.41 | 269.17 | 7,307.0 | -592.7 | 135.3 | -135.3 | 10.00 | 9.96 | |
| 7,696.3 | 90.00 | 270.00 | 7,315.0 | -593.4 | 39.5 | -39.5 | 10.00 | 9.96 | LP @ 7315' TVD; 90° |
| 7,700.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | 35.7 | -35.7 | 0.00 | 0.00 | |
| 7,800.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -64.3 | 64.3 | 0.00 | 0.00 | |
| 7,900.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -164.3 | 164.3 | 0.00 | 0.00 | |
| 8,000.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -264.3 | 264.3 | 0.00 | 0.00 | |
| 8,100.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -364.3 | 364.3 | 0.00 | 0.00 | |
| 8,200.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -464.3 | 464.3 | 0.00 | 0.00 | |
| 8,300.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -564.3 | 564.3 | 0.00 | 0.00 | |
| 8,400.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -664.3 | 664.3 | 0.00 | 0.00 | |
| 8,500.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -764.3 | 764.3 | 0.00 | 0.00 | |
| 8,600.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -864.3 | 864.3 | 0.00 | 0.00 | |
| 8,700.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -964.3 | 964.3 | 0.00 | 0.00 | |
| 8,800.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,064.3 | 1,064.3 | 0.00 | 0.00 | |
| 8,900.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,164.3 | 1,164.3 | 0.00 | 0.00 | |
| 9,000.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,264.3 | 1,264.3 | 0.00 | 0.00 | |
| 9,100.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,364.3 | 1,364.3 | 0.00 | 0.00 | |
| 9,200.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,464.3 | 1,464.3 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site: | S34-T2N-R66W (McConahay) | North Reference: | True |
| Well: | McConahay 4E-34H-P266 | 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 |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---|
| 9,300.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,564.3 | 1,564.3 | 0.00 | 0.00 | |
| 9,400.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,664.3 | 1,664.3 | 0.00 | 0.00 | |
| 9,500.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,764.3 | 1,764.3 | 0.00 | 0.00 | |
| 9,600.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,864.3 | 1,864.3 | 0.00 | 0.00 | |
| 9,700.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -1,964.3 | 1,964.3 | 0.00 | 0.00 | |
| 9,800.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,064.3 | 2,064.3 | 0.00 | 0.00 | |
| 9,900.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,164.3 | 2,164.3 | 0.00 | 0.00 | |
| 10,000.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,264.3 | 2,264.3 | 0.00 | 0.00 | |
| 10,100.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,364.3 | 2,364.3 | 0.00 | 0.00 | |
| 10,200.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,464.3 | 2,464.3 | 0.00 | 0.00 | |
| 10,300.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,564.3 | 2,564.3 | 0.00 | 0.00 | |
| 10,400.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,664.3 | 2,664.3 | 0.00 | 0.00 | |
| 10,500.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,764.3 | 2,764.3 | 0.00 | 0.00 | |
| 10,600.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,864.3 | 2,864.3 | 0.00 | 0.00 | |
| 10,700.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -2,964.3 | 2,964.3 | 0.00 | 0.00 | |
| 10,800.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,064.3 | 3,064.3 | 0.00 | 0.00 | |
| 10,900.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,164.3 | 3,164.3 | 0.00 | 0.00 | |
| 11,000.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,264.3 | 3,264.3 | 0.00 | 0.00 | |
| 11,100.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,364.3 | 3,364.3 | 0.00 | 0.00 | |
| 11,200.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,464.3 | 3,464.3 | 0.00 | 0.00 | |
| 11,300.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,564.3 | 3,564.3 | 0.00 | 0.00 | |
| 11,400.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,664.3 | 3,664.3 | 0.00 | 0.00 | |
| 11,500.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,764.3 | 3,764.3 | 0.00 | 0.00 | |
| 11,600.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,864.3 | 3,864.3 | 0.00 | 0.00 | |
| 11,700.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -3,964.3 | 3,964.3 | 0.00 | 0.00 | |
| 11,800.0 | 90.00 | 270.00 | 7,315.0 | -593.4 | -4,064.3 | 4,064.3 | 0.00 | 0.00 | |
| 11,896.3 | 90.00 | 270.00 | 7,315.0 | -593.4 | -4,160.5 | 4,160.5 | 0.00 | 0.00 | TD at 11896.3 - McConahay 4E-34H-P266 PBH |

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 | | | | | | | | | |
| McConahay 4E-34H-P266 | 0.00 | 0.00 | 7,315.0 | -593.4 | -4,160.5 | 1,275,547.23 | 3,203,960.17 | 40.087460 | -104.771050 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site: | S34-T2N-R66W (McConahay) | North Reference: | True |
| Well: | McConahay 4E-34H-P266 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

| Formations | | | | | | |
|---------------------|---------------------|-----------------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 1,030.8 | 1,026.0 | Fox Hills - BASE | | | | |
| 4,648.6 | 4,614.0 | Sussex | | | | |
| 4,947.1 | 4,910.0 | Sussex Marker | | | | |
| 5,314.1 | 5,274.0 | Shannon | | | | |
| 6,449.5 | 6,400.0 | Teepee Buttes (*if present) | | | | |
| 7,277.2 | 7,169.0 | Sharon Springs | | | | |
| 7,346.7 | 7,212.0 | Niobrara | | | | |
| 7,564.7 | 7,300.0 | B Chalk | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|-----------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 200.0 | 200.0 | 0.0 | 0.0 | KOP @ 200' | |
| 568.0 | 567.0 | -15.6 | 17.7 | EOB; Inc=7.36° | |
| 6,741.2 | 6,689.4 | -539.8 | 609.8 | Start build/turn @ 6741' MD | |
| 7,696.3 | 7,315.0 | -593.4 | 39.5 | LP @ 7315' TVD; 90° | |
| 11,896.3 | 7,315.0 | -593.4 | -4,160.5 | TD at 11896.3 | |

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S34-T2N-R66W (McConahay)

McConahay 4E-34H-P266

Hz

Plan #1

Anticollision Report

16 December, 2013

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 | 12/16/2013 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 0.0 | 11,896.3 | Plan #1 (Hz) | Geolink MWD | Geolink MWD | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 |

Summary

| Site Name | Reference Measured Depth (ft) | Offset Measured Depth (ft) | Distance | | Separation Factor | Warning |
|--|--|-------------------------------------|----------------------------|-----------------------------|----------------------|--------------|
| Offset Well - Wellbore - Design | | | Between Centres (ft) | Between Ellipses (ft) | | |
| S34-T2N-R66W (McConahay) | | | | | | |
| CONNER 11-34 (EXISTING) - MACEY & MERSHON WE | | | | | | Out of range |
| CONNER 21-34 (EXISTING) - FOUNDATION WELL - NO | | | | | | Out of range |
| CONNER 22-34 (EXISTING) - ENCANA WELL - GYRO | | | | | | Out of range |
| CONNER 23-34 (EXISTING) - ENCANA WELL - NO SUR | | | | | | Out of range |
| CONNER 24-34 (EXISTING) - FOUNDATION WELL - NO | | | | | | Out of range |
| CONNER D&H 2 (EXISTING) - MARINER WELL - NO S | | | | | | Out of range |
| DARLENNE 1 (EXISTING) - ENCANA WELL - NO SURV | | | | | | Out of range |
| ERICA 1 (EXISTING) - GREAT WESTERN WELL - NO S | | | | | | Out of range |
| MCCONAHAY 1 (EXISTING) - ENCANA WELL - GYRO | | | | | | Out of range |
| McConahay 1A-34H - Hz - Hz | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #1 12/100 | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #2 8/100 | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #3A | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #3B | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #3C | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #3D | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #4 | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #5 | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #6 | | | | | | Out of range |
| McConahay 1A-34H - Hz - Plan #7 | | | | | | Out of range |
| McConahay 1B-34H-H266 - Hz - Plan #1 | | | | | | Out of range |
| McConahay 1B-34H-H266 - Hz - Plan #2 | | | | | | Out of range |
| McConahay 1B-34H-H266 - Hz - Plan #3 | | | | | | Out of range |
| McConahay 1B-34H-H266 - Hz - Plan #4 | | | | | | Out of range |
| McConahay 1C-34H-H266 - Hz - Plan #1 | | | | | | Out of range |
| McConahay 1D-34H-H266 - Hz - Plan #1 | | | | | | Out of range |
| McConahay 1E-34H-H266 - Hz - Plan #1 | | | | | | Out of range |
| MCCONAHAY 31-34 (EXISTING) - ENCANA WELL - GY | | | | | | Out of range |
| MCCONAHAY 31-34 (EXISTING) MRP - MACHII-ROSS | | | | | | Out of range |
| MCCONAHAY 33-34 (EXISTING) - FOUNDATION WELL | | | | | | Out of range |
| MCCONAHAY 41-34 (EXISTING) - ENCANA WELL - GY | | | | | | Out of range |
| MCCONAHAY 43-34 (EXISTING) - ENCANA WELL - NO | | | | | | Out of range |
| MCCONAHAY 44-34 (EXISTING) - ENCANA WELL - NO | 200.0 | 176.0 | 14.2 | 13.6 | 23.244 | CC, ES |
| MCCONAHAY 44-34 (EXISTING) - ENCANA WELL - NO | 400.0 | 375.8 | 18.6 | 17.2 | 14.047 | SF |
| McConahay 4A-34H-P266 - Hz - Plan #2 | 200.0 | 200.0 | 40.1 | 39.5 | 65.583 | CC, ES |
| McConahay 4A-34H-P266 - Hz - Plan #2 | 500.0 | 497.5 | 57.0 | 55.3 | 33.590 | SF |
| McConahay 4B-34H-P266 - Hz - Plan #3 | 200.0 | 200.0 | 29.1 | 28.5 | 47.693 | CC, ES |
| McConahay 4B-34H-P266 - Hz - Plan #3 | 4,400.0 | 4,372.0 | 496.8 | 476.3 | 24.327 | SF |
| McConahay 4C-34H-P266 - Hz - Plan #2 | 200.0 | 200.0 | 21.9 | 21.2 | 35.773 | CC, ES |
| McConahay 4C-34H-P266 - Hz - Plan #2 | 11,896.3 | 12,098.5 | 468.6 | 273.3 | 2.399 | SF |
| McConahay 4D-34H-P266 - Hz - Plan #1 | 200.0 | 190.0 | 51.0 | 50.4 | 83.012 | CC, ES |
| McConahay 4D-34H-P266 - Hz - Plan #1 | 600.0 | 580.2 | 91.3 | 89.2 | 42.955 | SF |
| MCCONAHAY 6-4-34 (EXISTING) - ENCANA WELL - SU | | | | | | Out of range |
| RANCHERO 1 (EXISTING) - ENCANA WELL - NO SUR | | | | | | Out of range |
| RANCHERO 12-34 (EXISTING) - MACHII-ROSS WELL | | | | | | Out of range |
| RANCHERO 32-34 (EXISTING) - ENCANA WELL - GYR | | | | | | Out of range |
| SEYMOUR 34-34 (EXISTING) - ENCANA WELL - NO SU | | | | | | Out of range |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - MCCONAHAY 44-34 (EXISTING) - ENCANA WELL - NO SURVEYS | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|----------------------------|-----------------------------|------------------------------|----------------------|---------|-------------------------|-------------------------|--------|
| Survey Program: 8257-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Highside Toolface (°) | Distance | | Total Uncertainty Axis | Separation Factor | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | Between Centres (ft) | Between Ellipses (ft) | | | | Offset +N/-S (ft) | Offset +E/-W (ft) | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 13.63 | 13.8 | 3.4 | 27.9 | | | | | |
| 100.0 | 100.0 | 76.0 | 76.0 | 0.1 | 0.1 | 13.63 | 13.8 | 3.4 | 14.2 | 14.0 | 0.26 | 54.007 | | |
| 200.0 | 200.0 | 176.0 | 176.0 | 0.3 | 0.3 | 13.63 | 13.8 | 3.4 | 14.2 | 13.6 | 0.61 | 23.244 | CC, ES | |
| 300.0 | 300.0 | 276.0 | 276.0 | 0.5 | 0.5 | -123.72 | 13.8 | 3.4 | 15.1 | 14.2 | 0.96 | 15.698 | | |
| 400.0 | 399.8 | 375.8 | 375.8 | 0.7 | 0.7 | -137.22 | 13.8 | 3.4 | 18.6 | 17.2 | 1.32 | 14.047 | SF | |
| 500.0 | 499.5 | 475.5 | 475.5 | 0.9 | 0.8 | -150.48 | 13.8 | 3.4 | 25.7 | 24.0 | 1.68 | 15.317 | | |
| 600.0 | 598.7 | 574.7 | 574.7 | 1.2 | 1.0 | -159.73 | 13.8 | 3.4 | 36.6 | 34.6 | 2.02 | 18.110 | | |
| 700.0 | 697.9 | 673.9 | 673.9 | 1.4 | 1.2 | -164.94 | 13.8 | 3.4 | 48.8 | 46.5 | 2.37 | 20.636 | | |
| 800.0 | 797.1 | 773.1 | 773.1 | 1.7 | 1.3 | -168.05 | 13.8 | 3.4 | 61.3 | 58.6 | 2.71 | 22.607 | | |
| 900.0 | 896.3 | 872.3 | 872.3 | 2.0 | 1.5 | -170.11 | 13.8 | 3.4 | 73.9 | 70.8 | 3.06 | 24.169 | | |
| 1,000.0 | 995.4 | 971.4 | 971.4 | 2.3 | 1.7 | -171.57 | 13.8 | 3.4 | 86.5 | 83.1 | 3.40 | 25.432 | | |
| 1,100.0 | 1,094.6 | 1,070.6 | 1,070.6 | 2.5 | 1.9 | -172.65 | 13.8 | 3.4 | 99.2 | 95.5 | 3.75 | 26.471 | | |
| 1,200.0 | 1,193.8 | 1,169.8 | 1,169.8 | 2.8 | 2.0 | -173.49 | 13.8 | 3.4 | 111.9 | 107.8 | 4.09 | 27.340 | | |
| 1,300.0 | 1,293.0 | 1,269.0 | 1,269.0 | 3.1 | 2.2 | -174.16 | 13.8 | 3.4 | 124.7 | 120.2 | 4.44 | 28.077 | | |
| 1,400.0 | 1,392.1 | 1,368.1 | 1,368.1 | 3.4 | 2.4 | -174.70 | 13.8 | 3.4 | 137.4 | 132.6 | 4.79 | 28.709 | | |
| 1,500.0 | 1,491.3 | 1,467.3 | 1,467.3 | 3.7 | 2.6 | -175.15 | 13.8 | 3.4 | 150.2 | 145.1 | 5.13 | 29.258 | | |
| 1,600.0 | 1,590.5 | 1,566.5 | 1,566.5 | 3.9 | 2.7 | -175.53 | 13.8 | 3.4 | 163.0 | 157.5 | 5.48 | 29.738 | | |
| 1,700.0 | 1,689.7 | 1,665.7 | 1,665.7 | 4.2 | 2.9 | -175.86 | 13.8 | 3.4 | 175.7 | 169.9 | 5.83 | 30.162 | | |
| 1,800.0 | 1,788.8 | 1,764.8 | 1,764.8 | 4.5 | 3.1 | -176.14 | 13.8 | 3.4 | 188.5 | 182.3 | 6.17 | 30.538 | | |
| 1,900.0 | 1,888.0 | 1,864.0 | 1,864.0 | 4.8 | 3.3 | -176.38 | 13.8 | 3.4 | 201.3 | 194.8 | 6.52 | 30.875 | | |
| 2,000.0 | 1,987.2 | 1,963.2 | 1,963.2 | 5.1 | 3.4 | -176.60 | 13.8 | 3.4 | 214.1 | 207.2 | 6.87 | 31.179 | | |
| 2,100.0 | 2,086.4 | 2,062.4 | 2,062.4 | 5.4 | 3.6 | -176.79 | 13.8 | 3.4 | 226.9 | 219.7 | 7.21 | 31.453 | | |
| 2,200.0 | 2,185.5 | 2,161.5 | 2,161.5 | 5.6 | 3.8 | -176.96 | 13.8 | 3.4 | 239.7 | 232.1 | 7.56 | 31.703 | | |
| 2,300.0 | 2,284.7 | 2,260.7 | 2,260.7 | 5.9 | 3.9 | -177.12 | 13.8 | 3.4 | 252.5 | 244.5 | 7.91 | 31.930 | | |
| 2,400.0 | 2,383.9 | 2,359.9 | 2,359.9 | 6.2 | 4.1 | -177.26 | 13.8 | 3.4 | 265.2 | 257.0 | 8.25 | 32.139 | | |
| 2,500.0 | 2,483.1 | 2,459.1 | 2,459.1 | 6.5 | 4.3 | -177.38 | 13.8 | 3.4 | 278.0 | 269.4 | 8.60 | 32.331 | | |
| 2,600.0 | 2,582.2 | 2,558.2 | 2,558.2 | 6.8 | 4.5 | -177.50 | 13.8 | 3.4 | 290.8 | 281.9 | 8.95 | 32.508 | | |
| 2,700.0 | 2,681.4 | 2,657.4 | 2,657.4 | 7.1 | 4.6 | -177.60 | 13.8 | 3.4 | 303.6 | 294.3 | 9.29 | 32.672 | | |
| 2,800.0 | 2,780.6 | 2,756.6 | 2,756.6 | 7.4 | 4.8 | -177.70 | 13.8 | 3.4 | 316.4 | 306.8 | 9.64 | 32.824 | | |
| 2,900.0 | 2,879.8 | 2,855.8 | 2,855.8 | 7.6 | 5.0 | -177.79 | 13.8 | 3.4 | 329.2 | 319.3 | 9.99 | 32.966 | | |
| 3,000.0 | 2,979.0 | 2,955.0 | 2,955.0 | 7.9 | 5.2 | -177.87 | 13.8 | 3.4 | 342.0 | 331.7 | 10.33 | 33.098 | | |
| 3,100.0 | 3,078.1 | 3,054.1 | 3,054.1 | 8.2 | 5.3 | -177.95 | 13.8 | 3.4 | 354.8 | 344.2 | 10.68 | 33.222 | | |
| 3,200.0 | 3,177.3 | 3,153.3 | 3,153.3 | 8.5 | 5.5 | -178.02 | 13.8 | 3.4 | 367.6 | 356.6 | 11.03 | 33.337 | | |
| 3,300.0 | 3,276.5 | 3,252.5 | 3,252.5 | 8.8 | 5.7 | -178.09 | 13.8 | 3.4 | 380.4 | 369.1 | 11.37 | 33.446 | | |
| 3,400.0 | 3,375.7 | 3,351.7 | 3,351.7 | 9.1 | 5.8 | -178.15 | 13.8 | 3.4 | 393.2 | 381.5 | 11.72 | 33.549 | | |
| 3,500.0 | 3,474.8 | 3,450.8 | 3,450.8 | 9.3 | 6.0 | -178.21 | 13.8 | 3.4 | 406.1 | 394.0 | 12.07 | 33.645 | | |
| 3,600.0 | 3,574.0 | 3,550.0 | 3,550.0 | 9.6 | 6.2 | -178.26 | 13.8 | 3.4 | 418.9 | 406.4 | 12.42 | 33.736 | | |
| 3,700.0 | 3,673.2 | 3,649.2 | 3,649.2 | 9.9 | 6.4 | -178.31 | 13.8 | 3.4 | 431.7 | 418.9 | 12.76 | 33.823 | | |
| 3,800.0 | 3,772.4 | 3,748.4 | 3,748.4 | 10.2 | 6.5 | -178.36 | 13.8 | 3.4 | 444.5 | 431.4 | 13.11 | 33.904 | | |
| 3,900.0 | 3,871.5 | 3,847.5 | 3,847.5 | 10.5 | 6.7 | -178.41 | 13.8 | 3.4 | 457.3 | 443.8 | 13.46 | 33.982 | | |
| 4,000.0 | 3,970.7 | 3,946.7 | 3,946.7 | 10.8 | 6.9 | -178.45 | 13.8 | 3.4 | 470.1 | 456.3 | 13.80 | 34.055 | | |
| 4,100.0 | 4,069.9 | 4,045.9 | 4,045.9 | 11.0 | 7.1 | -178.49 | 13.8 | 3.4 | 482.9 | 468.7 | 14.15 | 34.125 | | |
| 4,200.0 | 4,169.1 | 4,145.1 | 4,145.1 | 11.3 | 7.2 | -178.53 | 13.8 | 3.4 | 495.7 | 481.2 | 14.50 | 34.192 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - McConahay 4A-34H-P266 - Hz - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|------------------------------|----------------------|---------|---------------|--------------------|--------|
| Survey Program: 0-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Highside Toolface (°) | Distance | | Total Uncertainty Axis | Separation Factor | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 40.1 | 0.0 | 40.1 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 0.00 | 40.1 | 0.0 | 40.1 | 39.8 | 0.26 | 153.026 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 0.00 | 40.1 | 0.0 | 40.1 | 39.5 | 0.61 | 65.583 CC, ES | | |
| 300.0 | 300.0 | 299.4 | 299.4 | 0.5 | 0.5 | -132.53 | 40.7 | 0.5 | 41.9 | 40.9 | 0.96 | 43.593 | | |
| 400.0 | 399.8 | 398.7 | 398.6 | 0.7 | 0.7 | -135.09 | 42.8 | 2.1 | 47.5 | 46.2 | 1.32 | 35.950 | | |
| 500.0 | 499.5 | 497.5 | 497.4 | 0.9 | 0.8 | -138.21 | 46.1 | 4.8 | 57.0 | 55.3 | 1.70 | 33.590 SF | | |
| 600.0 | 598.7 | 595.8 | 595.5 | 1.2 | 1.0 | -141.10 | 50.7 | 8.5 | 70.3 | 68.2 | 2.09 | 33.692 | | |
| 700.0 | 697.9 | 693.8 | 693.2 | 1.4 | 1.3 | -142.59 | 56.7 | 13.3 | 85.4 | 82.9 | 2.49 | 34.335 | | |
| 800.0 | 797.1 | 791.4 | 790.4 | 1.7 | 1.5 | -142.89 | 63.9 | 19.0 | 101.6 | 98.7 | 2.90 | 35.011 | | |
| 900.0 | 896.3 | 888.7 | 887.1 | 2.0 | 1.7 | -142.48 | 72.4 | 25.8 | 119.0 | 115.6 | 3.33 | 35.677 | | |
| 1,000.0 | 895.4 | 885.6 | 883.1 | 2.3 | 2.0 | -141.65 | 82.1 | 33.5 | 137.4 | 133.6 | 3.78 | 36.331 | | |
| 1,100.0 | 1,094.6 | 1,082.1 | 1,078.6 | 2.5 | 2.3 | -140.55 | 93.0 | 42.3 | 156.9 | 152.7 | 4.24 | 37.002 | | |
| 1,200.0 | 1,193.8 | 1,180.0 | 1,175.4 | 2.8 | 2.6 | -139.51 | 104.7 | 51.6 | 177.0 | 172.3 | 4.71 | 37.589 | | |
| 1,300.0 | 1,293.0 | 1,277.9 | 1,272.1 | 3.1 | 2.9 | -138.68 | 116.4 | 60.9 | 197.2 | 192.0 | 5.18 | 38.067 | | |
| 1,400.0 | 1,392.1 | 1,375.8 | 1,368.9 | 3.4 | 3.2 | -138.00 | 128.1 | 70.2 | 217.3 | 211.7 | 5.65 | 38.462 | | |
| 1,500.0 | 1,491.3 | 1,473.7 | 1,465.7 | 3.7 | 3.5 | -137.43 | 139.7 | 79.5 | 237.5 | 231.4 | 6.12 | 38.794 | | |
| 1,600.0 | 1,590.5 | 1,571.6 | 1,562.4 | 3.9 | 3.8 | -136.96 | 151.4 | 88.9 | 257.7 | 251.1 | 6.60 | 39.077 | | |
| 1,700.0 | 1,689.7 | 1,669.6 | 1,659.2 | 4.2 | 4.1 | -136.55 | 163.1 | 98.2 | 278.0 | 270.9 | 7.07 | 39.321 | | |
| 1,800.0 | 1,788.8 | 1,767.5 | 1,756.0 | 4.5 | 4.4 | -136.20 | 174.8 | 107.5 | 298.2 | 290.7 | 7.54 | 39.534 | | |
| 1,900.0 | 1,888.0 | 1,865.4 | 1,852.7 | 4.8 | 4.7 | -135.90 | 186.4 | 116.8 | 318.5 | 310.4 | 8.02 | 39.722 | | |
| 2,000.0 | 1,987.2 | 1,963.3 | 1,949.5 | 5.1 | 5.0 | -135.63 | 198.1 | 126.1 | 338.7 | 330.2 | 8.49 | 39.888 | | |
| 2,100.0 | 2,086.4 | 2,061.2 | 2,046.3 | 5.4 | 5.3 | -135.39 | 209.8 | 135.5 | 359.0 | 350.0 | 8.97 | 40.036 | | |
| 2,200.0 | 2,185.5 | 2,159.1 | 2,143.0 | 5.6 | 5.6 | -135.17 | 221.5 | 144.8 | 379.2 | 369.8 | 9.44 | 40.169 | | |
| 2,300.0 | 2,284.7 | 2,257.0 | 2,239.8 | 5.9 | 5.9 | -134.98 | 233.2 | 154.1 | 399.5 | 389.6 | 9.92 | 40.289 | | |
| 2,400.0 | 2,383.9 | 2,355.0 | 2,336.6 | 6.2 | 6.2 | -134.81 | 244.8 | 163.4 | 419.8 | 409.4 | 10.39 | 40.398 | | |
| 2,500.0 | 2,483.1 | 2,452.9 | 2,433.3 | 6.5 | 6.5 | -134.65 | 256.5 | 172.7 | 440.1 | 429.2 | 10.87 | 40.498 | | |
| 2,600.0 | 2,582.2 | 2,550.8 | 2,530.1 | 6.8 | 6.9 | -134.51 | 268.2 | 182.1 | 460.4 | 449.0 | 11.34 | 40.589 | | |
| 2,700.0 | 2,681.4 | 2,648.7 | 2,626.9 | 7.1 | 7.2 | -134.38 | 279.9 | 191.4 | 480.6 | 468.8 | 11.82 | 40.672 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - McConahay 4B-34H-P266 - Hz - Plan #3 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|------------------------------|----------------------|---------|---------------|--------------------|--------|
| Survey Program: 0-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Highside Toolface (°) | Distance | | Total Uncertainty Axis | Separation Factor | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 29.1 | 0.0 | 29.1 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 0.00 | 29.1 | 0.0 | 29.1 | 28.9 | 0.26 | 111.283 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 0.00 | 29.1 | 0.0 | 29.1 | 28.5 | 0.61 | 47.693 CC, ES | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | -133.97 | 29.1 | 0.0 | 30.3 | 29.4 | 0.96 | 31.525 | | |
| 400.0 | 399.8 | 399.7 | 399.7 | 0.7 | 0.7 | -138.81 | 29.4 | 0.8 | 34.3 | 33.0 | 1.32 | 26.011 | | |
| 500.0 | 499.5 | 499.3 | 499.3 | 0.9 | 0.8 | -143.12 | 30.2 | 3.3 | 41.5 | 39.8 | 1.69 | 24.587 | | |
| 600.0 | 598.7 | 598.7 | 598.6 | 1.2 | 1.0 | -146.25 | 31.6 | 7.4 | 51.7 | 49.6 | 2.07 | 24.991 | | |
| 700.0 | 697.9 | 698.0 | 697.7 | 1.4 | 1.2 | -147.22 | 33.5 | 13.1 | 62.7 | 60.2 | 2.47 | 25.440 | | |
| 800.0 | 797.1 | 797.4 | 796.7 | 1.7 | 1.4 | -146.54 | 35.9 | 20.5 | 73.8 | 70.9 | 2.88 | 25.592 | | |
| 900.0 | 896.3 | 896.6 | 895.5 | 2.0 | 1.6 | -144.88 | 38.8 | 29.5 | 85.1 | 81.7 | 3.33 | 25.530 | | |
| 1,000.0 | 995.4 | 995.9 | 994.2 | 2.3 | 1.9 | -142.92 | 42.2 | 39.6 | 96.5 | 92.7 | 3.80 | 25.412 | | |
| 1,100.0 | 1,094.6 | 1,095.2 | 1,093.0 | 2.5 | 2.1 | -141.35 | 45.5 | 49.7 | 108.0 | 103.7 | 4.27 | 25.299 | | |
| 1,200.0 | 1,193.8 | 1,194.5 | 1,191.7 | 2.8 | 2.4 | -140.08 | 48.8 | 59.8 | 119.6 | 114.8 | 4.75 | 25.196 | | |
| 1,300.0 | 1,293.0 | 1,293.8 | 1,290.4 | 3.1 | 2.6 | -139.04 | 52.1 | 70.0 | 131.2 | 126.0 | 5.23 | 25.106 | | |
| 1,400.0 | 1,392.1 | 1,393.1 | 1,389.1 | 3.4 | 2.9 | -138.17 | 55.5 | 80.1 | 142.9 | 137.2 | 5.71 | 25.026 | | |
| 1,500.0 | 1,491.3 | 1,492.4 | 1,487.9 | 3.7 | 3.1 | -137.43 | 58.8 | 90.2 | 154.6 | 148.4 | 6.19 | 24.956 | | |
| 1,600.0 | 1,590.5 | 1,591.7 | 1,586.6 | 3.9 | 3.4 | -136.79 | 62.1 | 100.4 | 166.3 | 159.6 | 6.68 | 24.895 | | |
| 1,700.0 | 1,689.7 | 1,691.0 | 1,685.3 | 4.2 | 3.6 | -136.24 | 65.5 | 110.5 | 178.0 | 170.8 | 7.17 | 24.840 | | |
| 1,800.0 | 1,788.8 | 1,790.3 | 1,784.0 | 4.5 | 3.9 | -135.75 | 68.8 | 120.6 | 189.7 | 182.1 | 7.65 | 24.792 | | |
| 1,900.0 | 1,888.0 | 1,889.6 | 1,882.7 | 4.8 | 4.1 | -135.33 | 72.1 | 130.8 | 201.5 | 193.4 | 8.14 | 24.749 | | |
| 2,000.0 | 1,987.2 | 1,988.9 | 1,981.5 | 5.1 | 4.4 | -134.95 | 75.5 | 140.9 | 213.3 | 204.6 | 8.63 | 24.710 | | |
| 2,100.0 | 2,086.4 | 2,088.2 | 2,080.2 | 5.4 | 4.6 | -134.60 | 78.8 | 151.0 | 225.0 | 215.9 | 9.12 | 24.675 | | |
| 2,200.0 | 2,185.5 | 2,187.4 | 2,178.9 | 5.6 | 4.9 | -134.30 | 82.1 | 161.1 | 236.8 | 227.2 | 9.61 | 24.644 | | |
| 2,300.0 | 2,284.7 | 2,286.7 | 2,277.6 | 5.9 | 5.1 | -134.02 | 85.5 | 171.3 | 248.6 | 238.5 | 10.10 | 24.615 | | |
| 2,400.0 | 2,383.9 | 2,386.0 | 2,376.3 | 6.2 | 5.4 | -133.77 | 88.8 | 181.4 | 260.4 | 249.8 | 10.59 | 24.589 | | |
| 2,500.0 | 2,483.1 | 2,485.3 | 2,475.1 | 6.5 | 5.6 | -133.54 | 92.1 | 191.5 | 272.2 | 261.1 | 11.08 | 24.565 | | |
| 2,600.0 | 2,582.2 | 2,584.6 | 2,573.8 | 6.8 | 5.9 | -133.32 | 95.5 | 201.7 | 284.0 | 272.4 | 11.57 | 24.543 | | |
| 2,700.0 | 2,681.4 | 2,683.9 | 2,672.5 | 7.1 | 6.1 | -133.13 | 98.8 | 211.8 | 295.8 | 283.7 | 12.06 | 24.523 | | |
| 2,800.0 | 2,780.6 | 2,783.2 | 2,771.2 | 7.4 | 6.4 | -132.95 | 102.1 | 221.9 | 307.6 | 295.0 | 12.55 | 24.504 | | |
| 2,900.0 | 2,879.8 | 2,882.5 | 2,870.0 | 7.6 | 6.6 | -132.78 | 105.5 | 232.1 | 319.4 | 306.4 | 13.04 | 24.487 | | |
| 3,000.0 | 2,979.0 | 2,981.8 | 2,968.7 | 7.9 | 6.9 | -132.63 | 108.8 | 242.2 | 331.2 | 317.7 | 13.54 | 24.471 | | |
| 3,100.0 | 3,078.1 | 3,081.1 | 3,067.4 | 8.2 | 7.1 | -132.49 | 112.1 | 252.3 | 343.0 | 329.0 | 14.03 | 24.456 | | |
| 3,200.0 | 3,177.3 | 3,180.4 | 3,166.1 | 8.5 | 7.4 | -132.35 | 115.4 | 262.4 | 354.9 | 340.3 | 14.52 | 24.442 | | |
| 3,300.0 | 3,276.5 | 3,279.7 | 3,264.8 | 8.8 | 7.7 | -132.22 | 118.8 | 272.6 | 366.7 | 351.7 | 15.01 | 24.429 | | |
| 3,400.0 | 3,375.7 | 3,379.0 | 3,363.6 | 9.1 | 7.9 | -132.11 | 122.1 | 282.7 | 378.5 | 363.0 | 15.50 | 24.417 | | |
| 3,500.0 | 3,474.8 | 3,478.3 | 3,462.3 | 9.3 | 8.2 | -132.00 | 125.4 | 292.8 | 390.3 | 374.3 | 15.99 | 24.405 | | |
| 3,600.0 | 3,574.0 | 3,577.6 | 3,561.0 | 9.6 | 8.4 | -131.89 | 128.8 | 303.0 | 402.1 | 385.6 | 16.48 | 24.395 | | |
| 3,700.0 | 3,673.2 | 3,676.9 | 3,659.7 | 9.9 | 8.7 | -131.79 | 132.1 | 313.1 | 414.0 | 397.0 | 16.98 | 24.384 | | |
| 3,800.0 | 3,772.4 | 3,776.2 | 3,758.5 | 10.2 | 8.9 | -131.70 | 135.4 | 323.2 | 425.8 | 408.3 | 17.47 | 24.375 | | |
| 3,900.0 | 3,871.5 | 3,875.5 | 3,857.2 | 10.5 | 9.2 | -131.61 | 138.8 | 333.4 | 437.6 | 419.6 | 17.96 | 24.366 | | |
| 4,000.0 | 3,970.7 | 3,974.8 | 3,955.9 | 10.8 | 9.4 | -131.53 | 142.1 | 343.5 | 449.4 | 431.0 | 18.45 | 24.357 | | |
| 4,100.0 | 4,069.9 | 4,074.1 | 4,054.6 | 11.0 | 9.7 | -131.45 | 145.4 | 353.6 | 461.3 | 442.3 | 18.94 | 24.349 | | |
| 4,200.0 | 4,169.1 | 4,173.4 | 4,153.3 | 11.3 | 9.9 | -131.38 | 148.8 | 363.8 | 473.1 | 453.7 | 19.44 | 24.341 | | |
| 4,300.0 | 4,268.2 | 4,272.7 | 4,252.1 | 11.6 | 10.2 | -131.30 | 152.1 | 373.9 | 484.9 | 465.0 | 19.93 | 24.334 | | |
| 4,400.0 | 4,367.4 | 4,372.0 | 4,350.8 | 11.9 | 10.4 | -131.24 | 155.4 | 384.0 | 496.8 | 476.3 | 20.42 | 24.327 SF | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - McConahay 4C-34H-P266 - Hz - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|---------|
| Survey Program: O-Geolink 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 | 0.00 | 21.9 | 0.0 | 21.9 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 0.00 | 21.9 | 0.0 | 21.9 | 21.6 | 0.26 | 83.470 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 0.00 | 21.9 | 0.0 | 21.9 | 21.2 | 0.61 | 35.773 CC, ES | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | -134.75 | 21.9 | 0.0 | 23.0 | 22.1 | 0.96 | 23.965 | | |
| 400.0 | 399.8 | 399.8 | 399.8 | 0.7 | 0.7 | -142.62 | 21.9 | 0.0 | 27.0 | 25.7 | 1.32 | 20.493 | | |
| 500.0 | 499.5 | 499.8 | 499.8 | 0.9 | 0.8 | -150.25 | 21.6 | 0.8 | 33.8 | 32.1 | 1.67 | 20.196 | | |
| 600.0 | 598.7 | 599.7 | 599.7 | 1.2 | 1.0 | -155.36 | 20.8 | 3.3 | 42.9 | 40.9 | 2.03 | 21.107 | | |
| 700.0 | 697.9 | 699.9 | 699.8 | 1.4 | 1.2 | -157.63 | 19.6 | 7.5 | 51.8 | 49.4 | 2.40 | 21.593 | | |
| 800.0 | 797.1 | 800.3 | 799.9 | 1.7 | 1.4 | -158.04 | 17.8 | 13.4 | 59.5 | 56.7 | 2.77 | 21.452 | | |
| 900.0 | 896.3 | 900.8 | 900.2 | 2.0 | 1.6 | -157.24 | 15.5 | 20.9 | 66.0 | 62.8 | 3.16 | 20.860 | | |
| 1,000.0 | 995.4 | 1,001.3 | 1,000.2 | 2.3 | 1.8 | -155.55 | 12.7 | 30.1 | 71.4 | 67.8 | 3.58 | 19.958 | | |
| 1,100.0 | 1,094.6 | 1,101.2 | 1,099.5 | 2.5 | 2.0 | -153.75 | 9.8 | 39.9 | 76.4 | 72.4 | 4.00 | 19.095 | | |
| 1,200.0 | 1,193.8 | 1,201.0 | 1,198.9 | 2.8 | 2.3 | -152.17 | 6.8 | 49.6 | 81.5 | 77.1 | 4.44 | 18.373 | | |
| 1,300.0 | 1,293.0 | 1,300.8 | 1,298.2 | 3.1 | 2.5 | -150.79 | 3.8 | 59.4 | 86.6 | 81.8 | 4.88 | 17.762 | | |
| 1,400.0 | 1,392.1 | 1,400.7 | 1,397.5 | 3.4 | 2.8 | -149.55 | 0.9 | 69.1 | 91.8 | 86.5 | 5.33 | 17.240 | | |
| 1,500.0 | 1,491.3 | 1,500.5 | 1,496.8 | 3.7 | 3.0 | -148.45 | -2.1 | 78.8 | 97.1 | 91.3 | 5.78 | 16.791 | | |
| 1,600.0 | 1,590.5 | 1,600.4 | 1,596.2 | 3.9 | 3.2 | -147.47 | -5.0 | 88.6 | 102.3 | 96.1 | 6.24 | 16.400 | | |
| 1,700.0 | 1,689.7 | 1,700.2 | 1,695.5 | 4.2 | 3.5 | -146.58 | -8.0 | 98.3 | 107.6 | 100.9 | 6.70 | 16.058 | | |
| 1,800.0 | 1,788.8 | 1,800.1 | 1,794.8 | 4.5 | 3.7 | -145.77 | -10.9 | 108.1 | 113.0 | 105.8 | 7.17 | 15.756 | | |
| 1,900.0 | 1,888.0 | 1,899.9 | 1,894.1 | 4.8 | 4.0 | -145.03 | -13.9 | 117.8 | 118.3 | 110.7 | 7.64 | 15.489 | | |
| 2,000.0 | 1,987.2 | 1,999.8 | 1,993.5 | 5.1 | 4.2 | -144.36 | -16.8 | 127.6 | 123.7 | 115.6 | 8.11 | 15.250 | | |
| 2,100.0 | 2,086.4 | 2,099.6 | 2,092.8 | 5.4 | 4.5 | -143.75 | -19.8 | 137.3 | 129.0 | 120.5 | 8.58 | 15.036 | | |
| 2,200.0 | 2,185.5 | 2,199.5 | 2,192.1 | 5.6 | 4.7 | -143.18 | -22.7 | 147.0 | 134.4 | 125.4 | 9.06 | 14.843 | | |
| 2,300.0 | 2,284.7 | 2,299.3 | 2,291.4 | 5.9 | 5.0 | -142.66 | -25.7 | 156.8 | 139.8 | 130.3 | 9.53 | 14.668 | | |
| 2,400.0 | 2,383.9 | 2,399.2 | 2,390.8 | 6.2 | 5.2 | -142.18 | -28.7 | 166.5 | 145.2 | 135.2 | 10.01 | 14.509 | | |
| 2,500.0 | 2,483.1 | 2,499.0 | 2,490.1 | 6.5 | 5.4 | -141.73 | -31.6 | 176.3 | 150.7 | 140.2 | 10.49 | 14.364 | | |
| 2,600.0 | 2,582.2 | 2,598.8 | 2,589.4 | 6.8 | 5.7 | -141.31 | -34.6 | 186.0 | 156.1 | 145.1 | 10.97 | 14.231 | | |
| 2,700.0 | 2,681.4 | 2,698.7 | 2,688.7 | 7.1 | 5.9 | -140.92 | -37.5 | 195.7 | 161.5 | 150.1 | 11.45 | 14.109 | | |
| 2,800.0 | 2,780.6 | 2,798.5 | 2,788.1 | 7.4 | 6.2 | -140.56 | -40.5 | 205.5 | 167.0 | 155.0 | 11.93 | 13.996 | | |
| 2,900.0 | 2,879.8 | 2,898.4 | 2,887.4 | 7.6 | 6.4 | -140.22 | -43.4 | 215.2 | 172.4 | 160.0 | 12.41 | 13.892 | | |
| 3,000.0 | 2,979.0 | 2,998.2 | 2,986.7 | 7.9 | 6.7 | -139.90 | -46.4 | 225.0 | 177.9 | 165.0 | 12.89 | 13.795 | | |
| 3,100.0 | 3,078.1 | 3,098.1 | 3,086.1 | 8.2 | 6.9 | -139.60 | -49.3 | 234.7 | 183.3 | 169.9 | 13.38 | 13.706 | | |
| 3,200.0 | 3,177.3 | 3,197.9 | 3,185.4 | 8.5 | 7.2 | -139.32 | -52.3 | 244.4 | 188.8 | 174.9 | 13.86 | 13.622 | | |
| 3,300.0 | 3,276.5 | 3,297.8 | 3,284.7 | 8.8 | 7.4 | -139.05 | -55.2 | 254.2 | 194.3 | 179.9 | 14.34 | 13.544 | | |
| 3,400.0 | 3,375.7 | 3,397.6 | 3,384.0 | 9.1 | 7.7 | -138.79 | -58.2 | 263.9 | 199.7 | 184.9 | 14.83 | 13.470 | | |
| 3,500.0 | 3,474.8 | 3,497.5 | 3,483.4 | 9.3 | 7.9 | -138.56 | -61.2 | 273.7 | 205.2 | 189.9 | 15.31 | 13.402 | | |
| 3,600.0 | 3,574.0 | 3,597.3 | 3,582.7 | 9.6 | 8.2 | -138.33 | -64.1 | 283.4 | 210.7 | 194.9 | 15.80 | 13.337 | | |
| 3,700.0 | 3,673.2 | 3,697.2 | 3,682.0 | 9.9 | 8.4 | -138.11 | -67.1 | 293.1 | 216.2 | 199.9 | 16.28 | 13.276 | | |
| 3,800.0 | 3,772.4 | 3,797.0 | 3,781.3 | 10.2 | 8.7 | -137.91 | -70.0 | 302.9 | 221.7 | 204.9 | 16.77 | 13.219 | | |
| 3,900.0 | 3,871.5 | 3,896.8 | 3,880.7 | 10.5 | 8.9 | -137.71 | -73.0 | 312.6 | 227.1 | 209.9 | 17.25 | 13.165 | | |
| 4,000.0 | 3,970.7 | 3,996.7 | 3,980.0 | 10.8 | 9.2 | -137.53 | -75.9 | 322.4 | 232.6 | 214.9 | 17.74 | 13.114 | | |
| 4,100.0 | 4,069.9 | 4,096.5 | 4,079.3 | 11.0 | 9.4 | -137.35 | -78.9 | 332.1 | 238.1 | 219.9 | 18.23 | 13.066 | | |
| 4,200.0 | 4,169.1 | 4,196.4 | 4,178.6 | 11.3 | 9.7 | -137.18 | -81.8 | 341.8 | 243.6 | 224.9 | 18.71 | 13.020 | | |
| 4,300.0 | 4,268.2 | 4,296.2 | 4,278.0 | 11.6 | 9.9 | -137.02 | -84.8 | 351.6 | 249.1 | 229.9 | 19.20 | 12.976 | | |
| 4,400.0 | 4,367.4 | 4,396.1 | 4,377.3 | 11.9 | 10.2 | -136.87 | -87.7 | 361.3 | 254.6 | 234.9 | 19.69 | 12.934 | | |
| 4,500.0 | 4,466.6 | 4,495.9 | 4,476.6 | 12.2 | 10.4 | -136.72 | -90.7 | 371.1 | 260.1 | 239.9 | 20.17 | 12.895 | | |
| 4,600.0 | 4,565.8 | 4,595.8 | 4,575.9 | 12.5 | 10.7 | -136.58 | -93.6 | 380.8 | 265.6 | 245.0 | 20.66 | 12.857 | | |
| 4,700.0 | 4,664.9 | 4,695.6 | 4,675.3 | 12.8 | 10.9 | -136.44 | -96.6 | 390.5 | 271.1 | 250.0 | 21.15 | 12.821 | | |
| 4,800.0 | 4,764.1 | 4,795.5 | 4,774.6 | 13.0 | 11.2 | -136.31 | -99.6 | 400.3 | 276.6 | 255.0 | 21.63 | 12.787 | | |
| 4,900.0 | 4,863.3 | 4,895.3 | 4,873.9 | 13.3 | 11.4 | -136.18 | -102.5 | 410.0 | 282.1 | 260.0 | 22.12 | 12.754 | | |
| 5,000.0 | 4,962.5 | 4,995.2 | 4,973.3 | 13.6 | 11.7 | -136.06 | -105.5 | 419.8 | 287.6 | 265.0 | 22.61 | 12.723 | | |
| 5,100.0 | 5,061.7 | 5,095.0 | 5,072.6 | 13.9 | 11.9 | -135.95 | -108.4 | 429.5 | 293.2 | 270.1 | 23.10 | 12.693 | | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - McConahay 4C-34H-P266 - Hz - Plan #2 | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|------------------------|------------------------|------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|---------|
| Survey Program: O-Geolink 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 |
| 5,200.0 | 5,160.8 | 5,194.9 | 5,171.9 | 14.2 | 12.1 | -135.83 | -111.4 | 439.3 | 298.7 | 275.1 | 23.58 | 12.664 | |
| 5,300.0 | 5,260.0 | 5,294.7 | 5,271.2 | 14.5 | 12.4 | -135.73 | -114.3 | 449.0 | 304.2 | 280.1 | 24.07 | 12.636 | |
| 5,400.0 | 5,359.2 | 5,394.5 | 5,370.6 | 14.7 | 12.6 | -135.62 | -117.3 | 458.7 | 309.7 | 285.1 | 24.56 | 12.610 | |
| 5,500.0 | 5,458.4 | 5,494.4 | 5,469.9 | 15.0 | 12.9 | -135.52 | -120.2 | 468.5 | 315.2 | 290.2 | 25.05 | 12.584 | |
| 5,600.0 | 5,557.5 | 5,594.2 | 5,569.2 | 15.3 | 13.1 | -135.42 | -123.2 | 478.2 | 320.7 | 295.2 | 25.54 | 12.559 | |
| 5,700.0 | 5,656.7 | 5,694.1 | 5,668.5 | 15.6 | 13.4 | -135.33 | -126.1 | 488.0 | 326.2 | 300.2 | 26.02 | 12.536 | |
| 5,800.0 | 5,755.9 | 5,793.9 | 5,767.9 | 15.9 | 13.6 | -135.24 | -129.1 | 497.7 | 331.8 | 305.2 | 26.51 | 12.513 | |
| 5,900.0 | 5,855.1 | 5,893.8 | 5,867.2 | 16.2 | 13.9 | -135.15 | -132.1 | 507.4 | 337.3 | 310.3 | 27.00 | 12.491 | |
| 6,000.0 | 5,954.2 | 5,993.6 | 5,966.5 | 16.4 | 14.1 | -135.07 | -135.0 | 517.2 | 342.8 | 315.3 | 27.49 | 12.470 | |
| 6,100.0 | 6,053.4 | 6,093.5 | 6,065.8 | 16.7 | 14.4 | -134.98 | -138.0 | 526.9 | 348.3 | 320.3 | 27.98 | 12.449 | |
| 6,200.0 | 6,152.6 | 6,193.3 | 6,165.2 | 17.0 | 14.6 | -134.90 | -140.9 | 536.7 | 353.8 | 325.4 | 28.47 | 12.430 | |
| 6,300.0 | 6,251.8 | 6,293.2 | 6,264.5 | 17.3 | 14.9 | -134.83 | -143.9 | 546.4 | 359.4 | 330.4 | 28.96 | 12.411 | |
| 6,400.0 | 6,350.9 | 6,393.0 | 6,363.8 | 17.6 | 15.1 | -134.75 | -146.8 | 556.1 | 364.9 | 335.4 | 29.44 | 12.392 | |
| 6,500.0 | 6,450.1 | 6,492.9 | 6,463.1 | 17.9 | 15.4 | -134.68 | -149.8 | 565.9 | 370.4 | 340.5 | 29.93 | 12.374 | |
| 6,600.0 | 6,549.3 | 6,592.7 | 6,562.5 | 18.2 | 15.6 | -134.61 | -152.7 | 575.6 | 375.9 | 345.5 | 30.42 | 12.357 | |
| 6,700.0 | 6,648.5 | 6,692.5 | 6,661.8 | 18.4 | 15.9 | -134.54 | -155.7 | 585.4 | 381.4 | 350.5 | 30.91 | 12.340 | |
| 6,800.0 | 6,747.8 | 6,792.3 | 6,761.0 | 18.7 | 16.1 | 173.09 | -158.6 | 595.1 | 386.8 | 355.5 | 31.36 | 12.333 | |
| 6,900.0 | 6,846.9 | 6,890.2 | 6,858.4 | 18.7 | 16.4 | 115.09 | -161.5 | 604.6 | 392.0 | 360.1 | 31.92 | 12.280 | |
| 7,000.0 | 6,942.9 | 6,986.1 | 6,953.9 | 18.6 | 16.6 | 107.51 | -164.4 | 612.3 | 398.9 | 366.5 | 32.39 | 12.318 | |
| 7,100.0 | 7,032.8 | 7,088.7 | 7,056.1 | 18.4 | 16.6 | 107.56 | -167.4 | 605.4 | 408.8 | 376.5 | 32.30 | 12.657 | |
| 7,200.0 | 7,113.9 | 7,199.5 | 7,163.2 | 18.0 | 16.4 | 109.53 | -170.6 | 577.6 | 421.0 | 389.4 | 31.58 | 13.333 | |
| 7,300.0 | 7,183.8 | 7,320.2 | 7,271.2 | 17.7 | 16.0 | 112.05 | -173.8 | 524.5 | 434.4 | 404.1 | 30.29 | 14.340 | |
| 7,400.0 | 7,240.4 | 7,451.8 | 7,373.6 | 17.3 | 15.4 | 114.56 | -176.9 | 442.3 | 447.5 | 418.8 | 28.75 | 15.568 | |
| 7,500.0 | 7,281.8 | 7,594.5 | 7,460.3 | 17.1 | 14.8 | 116.68 | -179.4 | 329.4 | 458.7 | 431.2 | 27.48 | 16.690 | |
| 7,600.0 | 7,307.0 | 7,746.8 | 7,519.0 | 16.9 | 14.7 | 118.08 | -181.2 | 189.4 | 466.1 | 438.9 | 27.26 | 17.098 | |
| 7,700.0 | 7,315.0 | 7,902.2 | 7,539.0 | 17.0 | 15.6 | 118.55 | -181.8 | 35.7 | 468.6 | 440.0 | 28.64 | 16.362 | |
| 7,800.0 | 7,315.0 | 8,002.2 | 7,539.0 | 17.7 | 16.7 | 118.55 | -181.8 | -64.3 | 468.6 | 438.1 | 30.57 | 15.328 | |
| 7,900.0 | 7,315.0 | 8,102.2 | 7,539.0 | 18.9 | 18.1 | 118.55 | -181.8 | -164.3 | 468.6 | 435.7 | 32.97 | 14.213 | |
| 8,000.0 | 7,315.0 | 8,202.2 | 7,539.0 | 20.4 | 19.7 | 118.55 | -181.8 | -264.3 | 468.6 | 432.9 | 35.74 | 13.113 | |
| 8,100.0 | 7,315.0 | 8,302.2 | 7,539.0 | 22.2 | 21.5 | 118.55 | -181.8 | -364.3 | 468.6 | 429.8 | 38.80 | 12.079 | |
| 8,200.0 | 7,315.0 | 8,402.2 | 7,539.0 | 24.1 | 23.4 | 118.55 | -181.8 | -464.3 | 468.6 | 426.5 | 42.09 | 11.135 | |
| 8,300.0 | 7,315.0 | 8,502.2 | 7,539.0 | 26.0 | 25.4 | 118.55 | -181.8 | -564.3 | 468.6 | 423.1 | 45.55 | 10.288 | |
| 8,400.0 | 7,315.0 | 8,602.2 | 7,539.0 | 28.1 | 27.5 | 118.55 | -181.8 | -664.3 | 468.6 | 419.5 | 49.16 | 9.533 | |
| 8,500.0 | 7,315.0 | 8,702.2 | 7,539.0 | 30.2 | 29.6 | 118.55 | -181.8 | -764.3 | 468.6 | 415.8 | 52.88 | 8.863 | |
| 8,600.0 | 7,315.0 | 8,802.2 | 7,539.0 | 32.3 | 31.8 | 118.55 | -181.8 | -864.3 | 468.6 | 411.9 | 56.69 | 8.267 | |
| 8,700.0 | 7,315.0 | 8,902.2 | 7,539.0 | 34.5 | 34.0 | 118.55 | -181.8 | -964.3 | 468.6 | 408.1 | 60.57 | 7.737 | |
| 8,800.0 | 7,315.0 | 9,002.2 | 7,539.0 | 36.8 | 36.3 | 118.55 | -181.8 | -1,064.3 | 468.6 | 404.1 | 64.51 | 7.264 | |
| 8,900.0 | 7,315.0 | 9,102.2 | 7,539.0 | 39.0 | 38.5 | 118.55 | -181.8 | -1,164.3 | 468.6 | 400.1 | 68.50 | 6.841 | |
| 9,000.0 | 7,315.0 | 9,202.2 | 7,539.0 | 41.3 | 40.8 | 118.55 | -181.8 | -1,264.3 | 468.6 | 396.1 | 72.54 | 6.461 | |
| 9,100.0 | 7,315.0 | 9,302.2 | 7,539.0 | 43.6 | 43.2 | 118.55 | -181.8 | -1,364.3 | 468.6 | 392.0 | 76.60 | 6.118 | |
| 9,200.0 | 7,315.0 | 9,402.2 | 7,539.0 | 45.9 | 45.5 | 118.55 | -181.8 | -1,464.3 | 468.6 | 387.9 | 80.70 | 5.807 | |
| 9,300.0 | 7,315.0 | 9,502.2 | 7,539.0 | 48.3 | 47.8 | 118.55 | -181.8 | -1,564.3 | 468.6 | 383.8 | 84.82 | 5.525 | |
| 9,400.0 | 7,315.0 | 9,602.2 | 7,539.0 | 50.6 | 50.2 | 118.55 | -181.8 | -1,664.3 | 468.6 | 379.7 | 88.97 | 5.267 | |
| 9,500.0 | 7,315.0 | 9,702.2 | 7,539.0 | 53.0 | 52.6 | 118.55 | -181.8 | -1,764.3 | 468.6 | 375.5 | 93.13 | 5.032 | |
| 9,600.0 | 7,315.0 | 9,802.2 | 7,539.0 | 55.3 | 55.0 | 118.55 | -181.8 | -1,864.3 | 468.6 | 371.3 | 97.31 | 4.816 | |
| 9,700.0 | 7,315.0 | 9,902.2 | 7,539.0 | 57.7 | 57.4 | 118.55 | -181.8 | -1,964.3 | 468.6 | 367.1 | 101.50 | 4.617 | |
| 9,800.0 | 7,315.0 | 10,002.2 | 7,539.0 | 60.1 | 59.7 | 118.55 | -181.8 | -2,064.3 | 468.6 | 362.9 | 105.71 | 4.433 | |
| 9,900.0 | 7,315.0 | 10,102.2 | 7,539.0 | 62.5 | 62.2 | 118.55 | -181.8 | -2,164.3 | 468.6 | 358.7 | 109.93 | 4.263 | |
| 10,000.0 | 7,315.0 | 10,202.2 | 7,539.0 | 64.9 | 64.6 | 118.55 | -181.8 | -2,264.3 | 468.6 | 354.5 | 114.16 | 4.105 | |
| 10,100.0 | 7,315.0 | 10,302.2 | 7,539.0 | 67.3 | 67.0 | 118.55 | -181.8 | -2,364.3 | 468.6 | 350.2 | 118.39 | 3.958 | |
| 10,200.0 | 7,315.0 | 10,402.2 | 7,539.0 | 69.7 | 69.4 | 118.55 | -181.8 | -2,464.3 | 468.6 | 346.0 | 122.64 | 3.821 | |
| 10,300.0 | 7,315.0 | 10,502.2 | 7,539.0 | 72.1 | 71.8 | 118.55 | -181.8 | -2,564.3 | 468.6 | 341.7 | 126.89 | 3.693 | |

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - McConahay 4C-34H-P266 - Hz - Plan #2 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|----------------|----------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | | | Warning | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | | Between Centres | Between Ellipses | Total Uncertainty Axis | Separation Factor | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | | | | |
| 10,400.0 | 7,315.0 | 10,602.2 | 7,539.0 | 74.5 | 74.2 | 118.55 | -181.8 | -2,664.3 | 468.6 | 337.5 | 131.15 | 3.573 | | |
| 10,500.0 | 7,315.0 | 10,702.2 | 7,539.0 | 76.9 | 76.7 | 118.55 | -181.8 | -2,764.3 | 468.6 | 333.2 | 135.41 | 3.461 | | |
| 10,600.0 | 7,315.0 | 10,802.2 | 7,539.0 | 79.4 | 79.1 | 118.55 | -181.8 | -2,864.3 | 468.6 | 329.0 | 139.68 | 3.355 | | |
| 10,700.0 | 7,315.0 | 10,902.2 | 7,539.0 | 81.8 | 81.5 | 118.55 | -181.8 | -2,964.3 | 468.6 | 324.7 | 143.96 | 3.255 | | |
| 10,800.0 | 7,315.0 | 11,002.2 | 7,539.0 | 84.2 | 84.0 | 118.55 | -181.8 | -3,064.3 | 468.6 | 320.4 | 148.24 | 3.161 | | |
| 10,900.0 | 7,315.0 | 11,102.2 | 7,539.0 | 86.6 | 86.4 | 118.55 | -181.8 | -3,164.3 | 468.6 | 316.1 | 152.52 | 3.073 | | |
| 11,000.0 | 7,315.0 | 11,202.2 | 7,539.0 | 89.1 | 88.8 | 118.55 | -181.8 | -3,264.3 | 468.6 | 311.8 | 156.81 | 2.989 | | |
| 11,100.0 | 7,315.0 | 11,302.2 | 7,539.0 | 91.5 | 91.3 | 118.55 | -181.8 | -3,364.3 | 468.6 | 307.5 | 161.10 | 2.909 | | |
| 11,200.0 | 7,315.0 | 11,402.2 | 7,539.0 | 94.0 | 93.7 | 118.55 | -181.8 | -3,464.3 | 468.6 | 303.2 | 165.39 | 2.834 | | |
| 11,300.0 | 7,315.0 | 11,502.2 | 7,539.0 | 96.4 | 96.2 | 118.55 | -181.8 | -3,564.3 | 468.6 | 298.9 | 169.69 | 2.762 | | |
| 11,400.0 | 7,315.0 | 11,602.2 | 7,539.0 | 98.8 | 98.6 | 118.55 | -181.8 | -3,664.3 | 468.6 | 294.6 | 173.99 | 2.694 | | |
| 11,500.0 | 7,315.0 | 11,702.2 | 7,539.0 | 101.3 | 101.1 | 118.55 | -181.8 | -3,764.3 | 468.6 | 290.3 | 178.29 | 2.629 | | |
| 11,600.0 | 7,315.0 | 11,802.2 | 7,539.0 | 103.7 | 103.5 | 118.55 | -181.8 | -3,864.3 | 468.6 | 286.0 | 182.59 | 2.567 | | |
| 11,700.0 | 7,315.0 | 11,902.2 | 7,539.0 | 106.2 | 106.0 | 118.55 | -181.8 | -3,964.3 | 468.6 | 281.7 | 186.90 | 2.507 | | |
| 11,800.0 | 7,315.0 | 12,002.2 | 7,539.0 | 108.6 | 108.4 | 118.55 | -181.8 | -4,064.3 | 468.6 | 277.4 | 191.20 | 2.451 | | |
| 11,869.2 | 7,315.0 | 12,071.4 | 7,539.0 | 110.3 | 110.1 | 118.55 | -181.8 | -4,133.4 | 468.6 | 274.4 | 194.19 | 2.413 | | |
| 11,896.3 | 7,315.0 | 12,098.5 | 7,539.0 | 111.0 | 110.8 | 118.55 | -181.8 | -4,160.5 | 468.6 | 273.3 | 195.35 | 2.399 SF | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 S34-T2N-R66W (McConahay) - McConahay 4D-34H-P266 - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|------------------------------|----------------------|---------|---------------|--------------------|--------|
| Survey Program: 0-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Highside Toolface (°) | Distance | | Total Uncertainty Axis | Separation Factor | Warning | | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 51.0 | 0.0 | 52.0 | | | | | |
| 100.0 | 100.0 | 90.0 | 90.0 | 0.1 | 0.1 | 0.00 | 51.0 | 0.0 | 51.0 | 50.7 | 0.27 | 190.608 | | |
| 200.0 | 200.0 | 190.0 | 190.0 | 0.3 | 0.3 | 0.00 | 51.0 | 0.0 | 51.0 | 50.4 | 0.61 | 83.012 CC, ES | | |
| 300.0 | 300.0 | 288.6 | 288.6 | 0.5 | 0.5 | -132.07 | 52.1 | 0.7 | 53.3 | 52.4 | 0.96 | 55.320 | | |
| 400.0 | 399.8 | 386.7 | 386.6 | 0.7 | 0.7 | -133.10 | 56.1 | 3.3 | 60.8 | 59.5 | 1.33 | 45.881 | | |
| 500.0 | 499.5 | 484.0 | 483.6 | 0.9 | 0.9 | -134.23 | 62.8 | 7.6 | 73.6 | 71.9 | 1.71 | 42.975 | | |
| 600.0 | 598.7 | 580.2 | 579.1 | 1.2 | 1.1 | -135.19 | 72.1 | 13.7 | 91.3 | 89.2 | 2.13 | 42.955 SF | | |
| 700.0 | 697.9 | 675.3 | 673.1 | 1.4 | 1.4 | -135.21 | 84.0 | 21.4 | 112.2 | 109.7 | 2.56 | 43.780 | | |
| 800.0 | 797.1 | 771.6 | 767.9 | 1.7 | 1.7 | -134.57 | 98.1 | 30.5 | 135.2 | 132.1 | 3.01 | 44.829 | | |
| 900.0 | 896.3 | 868.9 | 863.7 | 2.0 | 2.1 | -134.07 | 112.5 | 39.8 | 158.3 | 154.8 | 3.48 | 45.543 | | |
| 1,000.0 | 995.4 | 966.2 | 959.5 | 2.3 | 2.4 | -133.69 | 126.9 | 49.1 | 181.4 | 177.4 | 3.94 | 46.051 | | |
| 1,100.0 | 1,094.6 | 1,063.4 | 1,055.2 | 2.5 | 2.7 | -133.40 | 141.3 | 58.5 | 204.5 | 200.1 | 4.40 | 46.427 | | |
| 1,200.0 | 1,193.8 | 1,160.7 | 1,151.0 | 2.8 | 3.1 | -133.17 | 155.7 | 67.8 | 227.6 | 222.8 | 4.87 | 46.716 | | |
| 1,300.0 | 1,293.0 | 1,258.0 | 1,246.7 | 3.1 | 3.4 | -132.99 | 170.1 | 77.1 | 250.8 | 245.4 | 5.34 | 46.944 | | |
| 1,400.0 | 1,392.1 | 1,355.3 | 1,342.5 | 3.4 | 3.8 | -132.83 | 184.5 | 86.4 | 273.9 | 268.1 | 5.81 | 47.127 | | |
| 1,500.0 | 1,491.3 | 1,452.6 | 1,438.3 | 3.7 | 4.1 | -132.70 | 198.9 | 95.7 | 297.0 | 290.7 | 6.28 | 47.279 | | |
| 1,600.0 | 1,590.5 | 1,549.9 | 1,534.0 | 3.9 | 4.4 | -132.58 | 213.3 | 105.1 | 320.2 | 313.4 | 6.75 | 47.405 | | |
| 1,700.0 | 1,689.7 | 1,647.2 | 1,629.8 | 4.2 | 4.8 | -132.49 | 227.7 | 114.4 | 343.3 | 336.1 | 7.23 | 47.512 | | |
| 1,800.0 | 1,788.8 | 1,744.4 | 1,725.6 | 4.5 | 5.1 | -132.40 | 242.1 | 123.7 | 366.4 | 358.7 | 7.70 | 47.604 | | |
| 1,900.0 | 1,888.0 | 1,841.7 | 1,821.3 | 4.8 | 5.5 | -132.33 | 256.5 | 133.0 | 389.6 | 381.4 | 8.17 | 47.683 | | |
| 2,000.0 | 1,987.2 | 1,939.0 | 1,917.1 | 5.1 | 5.8 | -132.26 | 270.9 | 142.3 | 412.7 | 404.1 | 8.64 | 47.753 | | |
| 2,100.0 | 2,086.4 | 2,036.3 | 2,012.8 | 5.4 | 6.2 | -132.20 | 285.2 | 151.7 | 435.8 | 426.7 | 9.12 | 47.814 | | |
| 2,200.0 | 2,185.5 | 2,133.6 | 2,108.6 | 5.6 | 6.5 | -132.15 | 299.6 | 161.0 | 459.0 | 449.4 | 9.59 | 47.868 | | |
| 2,300.0 | 2,284.7 | 2,230.9 | 2,204.4 | 5.9 | 6.8 | -132.10 | 314.0 | 170.3 | 482.1 | 472.0 | 10.06 | 47.917 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well McConahay 4E-34H-P266 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Reference Site: | S34-T2N-R66W (McConahay) | MD Reference: | WELL @ 5101.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | McConahay 4E-34H-P266 | 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 @ 5101.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: McConahay 4E-34H-P266

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.48°

