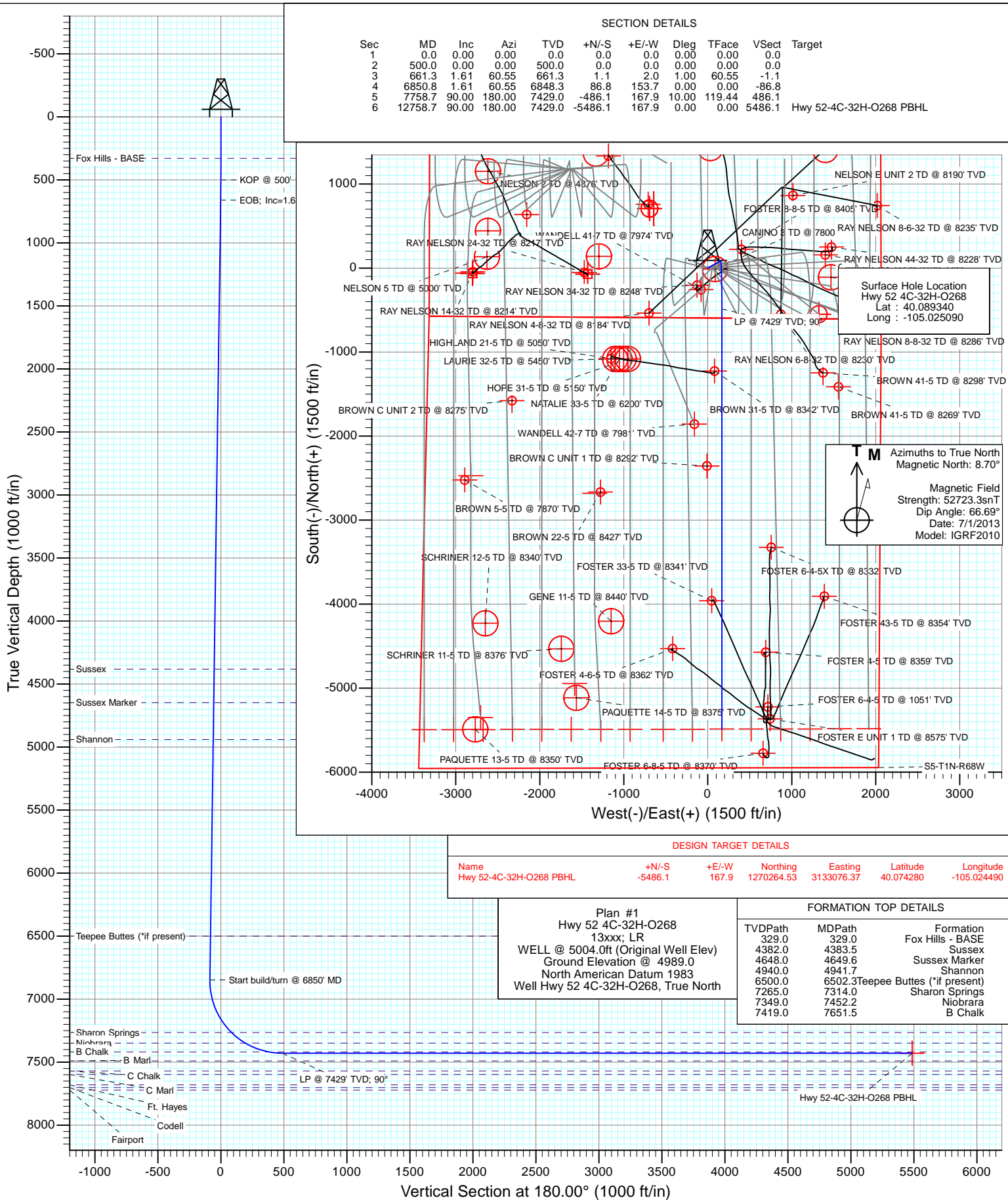




Project: DJ Wattenberg
Site: S32-T2N-R68W (File/Hwy 52)
Well: Hwy 52 4C-32H-O268
Wellbore: Hz
Design: Plan #1



Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site: | S32-T2N-R68W (File/Hwy 52) | North Reference: | True |
| Well: | Hwy 52 4C-32H-O268 | 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 | | S32-T2N-R68W (File/Hwy 52) | | | |
| Site Position: | | Northing: | 1,275,973.93 ft | Latitude: | 40.089950 |
| From: | Lat/Long | Easting: | 3,133,277.97 ft | Longitude: | -105.023660 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13.200 in | Grid Convergence: | 0.31 ° |

| | | | | | | |
|----------------------|--------------------|--------|---------------------|-----------------|---------------|-------------|
| Well | Hwy 52 4C-32H-O268 | | | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,275,749.69 ft | Latitude: | 40.089340 |
| | +E/-W | 0.0 ft | Easting: | 3,132,879.09 ft | Longitude: | -105.025090 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | ft | Ground Level: | 4,989.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Hz | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 7/1/2013 | 8.70 | 66.69 | 52,723 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| 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 | 180.00 |

| 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 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 661.3 | 1.61 | 60.55 | 661.3 | 1.1 | 2.0 | 1.00 | 1.00 | 0.00 | 60.55 | |
| 6,850.8 | 1.61 | 60.55 | 6,848.3 | 86.8 | 153.7 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,758.7 | 90.00 | 180.00 | 7,429.0 | -486.1 | 167.9 | 10.00 | 9.74 | 13.16 | 119.44 | |
| 12,758.7 | 90.00 | 180.00 | 7,429.0 | -5,486.1 | 167.9 | 0.00 | 0.00 | 0.00 | 0.00 | Hwy 52-4C-32H-O268 |

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: DJ Wattenberg
Site: S32-T2N-R68W (File/Hwy 52)
Well: Hwy 52 4C-32H-O268
Wellbore: Hz
Design: Plan #1

Local Co-ordinate Reference: Well Hwy 52 4C-32H-O268
TVD Reference: WELL @ 5004.0ft (Original Well Elev)
MD Reference: WELL @ 5004.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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 | |
| 329.0 | 0.00 | 0.00 | 329.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | Fox Hills - BASE |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | KOP @ 500' |
| 600.0 | 1.00 | 60.55 | 600.0 | 0.4 | 0.8 | -0.4 | 1.00 | 1.00 | |
| 661.3 | 1.61 | 60.55 | 661.3 | 1.1 | 2.0 | -1.1 | 1.00 | 1.00 | EOB; Inc=1.61° |
| 700.0 | 1.61 | 60.55 | 700.0 | 1.7 | 2.9 | -1.7 | 0.00 | 0.00 | |
| 800.0 | 1.61 | 60.55 | 799.9 | 3.0 | 5.4 | -3.0 | 0.00 | 0.00 | |
| 900.0 | 1.61 | 60.55 | 899.9 | 4.4 | 7.8 | -4.4 | 0.00 | 0.00 | |
| 1,000.0 | 1.61 | 60.55 | 999.8 | 5.8 | 10.3 | -5.8 | 0.00 | 0.00 | |
| 1,100.0 | 1.61 | 60.55 | 1,099.8 | 7.2 | 12.7 | -7.2 | 0.00 | 0.00 | |
| 1,200.0 | 1.61 | 60.55 | 1,199.8 | 8.6 | 15.2 | -8.6 | 0.00 | 0.00 | |
| 1,300.0 | 1.61 | 60.55 | 1,299.7 | 10.0 | 17.6 | -10.0 | 0.00 | 0.00 | |
| 1,400.0 | 1.61 | 60.55 | 1,399.7 | 11.3 | 20.1 | -11.3 | 0.00 | 0.00 | |
| 1,500.0 | 1.61 | 60.55 | 1,499.6 | 12.7 | 22.5 | -12.7 | 0.00 | 0.00 | |
| 1,600.0 | 1.61 | 60.55 | 1,599.6 | 14.1 | 25.0 | -14.1 | 0.00 | 0.00 | |
| 1,700.0 | 1.61 | 60.55 | 1,699.6 | 15.5 | 27.4 | -15.5 | 0.00 | 0.00 | |
| 1,800.0 | 1.61 | 60.55 | 1,799.5 | 16.9 | 29.9 | -16.9 | 0.00 | 0.00 | |
| 1,900.0 | 1.61 | 60.55 | 1,899.5 | 18.3 | 32.3 | -18.3 | 0.00 | 0.00 | |
| 2,000.0 | 1.61 | 60.55 | 1,999.4 | 19.6 | 34.8 | -19.6 | 0.00 | 0.00 | |
| 2,100.0 | 1.61 | 60.55 | 2,099.4 | 21.0 | 37.2 | -21.0 | 0.00 | 0.00 | |
| 2,200.0 | 1.61 | 60.55 | 2,199.4 | 22.4 | 39.7 | -22.4 | 0.00 | 0.00 | |
| 2,300.0 | 1.61 | 60.55 | 2,299.3 | 23.8 | 42.1 | -23.8 | 0.00 | 0.00 | |
| 2,400.0 | 1.61 | 60.55 | 2,399.3 | 25.2 | 44.6 | -25.2 | 0.00 | 0.00 | |
| 2,500.0 | 1.61 | 60.55 | 2,499.3 | 26.6 | 47.0 | -26.6 | 0.00 | 0.00 | |
| 2,600.0 | 1.61 | 60.55 | 2,599.2 | 27.9 | 49.5 | -27.9 | 0.00 | 0.00 | |
| 2,700.0 | 1.61 | 60.55 | 2,699.2 | 29.3 | 51.9 | -29.3 | 0.00 | 0.00 | |
| 2,800.0 | 1.61 | 60.55 | 2,799.1 | 30.7 | 54.4 | -30.7 | 0.00 | 0.00 | |
| 2,900.0 | 1.61 | 60.55 | 2,899.1 | 32.1 | 56.8 | -32.1 | 0.00 | 0.00 | |
| 3,000.0 | 1.61 | 60.55 | 2,999.1 | 33.5 | 59.3 | -33.5 | 0.00 | 0.00 | |
| 3,100.0 | 1.61 | 60.55 | 3,099.0 | 34.9 | 61.7 | -34.9 | 0.00 | 0.00 | |
| 3,200.0 | 1.61 | 60.55 | 3,199.0 | 36.2 | 64.2 | -36.2 | 0.00 | 0.00 | |
| 3,300.0 | 1.61 | 60.55 | 3,298.9 | 37.6 | 66.6 | -37.6 | 0.00 | 0.00 | |
| 3,400.0 | 1.61 | 60.55 | 3,398.9 | 39.0 | 69.1 | -39.0 | 0.00 | 0.00 | |
| 3,500.0 | 1.61 | 60.55 | 3,498.9 | 40.4 | 71.5 | -40.4 | 0.00 | 0.00 | |
| 3,600.0 | 1.61 | 60.55 | 3,598.8 | 41.8 | 74.0 | -41.8 | 0.00 | 0.00 | |
| 3,700.0 | 1.61 | 60.55 | 3,698.8 | 43.2 | 76.4 | -43.2 | 0.00 | 0.00 | |
| 3,800.0 | 1.61 | 60.55 | 3,798.7 | 44.5 | 78.9 | -44.5 | 0.00 | 0.00 | |
| 3,900.0 | 1.61 | 60.55 | 3,898.7 | 45.9 | 81.3 | -45.9 | 0.00 | 0.00 | |
| 4,000.0 | 1.61 | 60.55 | 3,998.7 | 47.3 | 83.8 | -47.3 | 0.00 | 0.00 | |
| 4,100.0 | 1.61 | 60.55 | 4,098.6 | 48.7 | 86.2 | -48.7 | 0.00 | 0.00 | |
| 4,200.0 | 1.61 | 60.55 | 4,198.6 | 50.1 | 88.7 | -50.1 | 0.00 | 0.00 | |
| 4,300.0 | 1.61 | 60.55 | 4,298.5 | 51.5 | 91.2 | -51.5 | 0.00 | 0.00 | |
| 4,383.5 | 1.61 | 60.55 | 4,382.0 | 52.6 | 93.2 | -52.6 | 0.00 | 0.00 | Sussex |
| 4,400.0 | 1.61 | 60.55 | 4,398.5 | 52.9 | 93.6 | -52.9 | 0.00 | 0.00 | |
| 4,500.0 | 1.61 | 60.55 | 4,498.5 | 54.2 | 96.1 | -54.2 | 0.00 | 0.00 | |
| 4,600.0 | 1.61 | 60.55 | 4,598.4 | 55.6 | 98.5 | -55.6 | 0.00 | 0.00 | |
| 4,649.6 | 1.61 | 60.55 | 4,648.0 | 56.3 | 99.7 | -56.3 | 0.00 | 0.00 | Sussex Marker |
| 4,700.0 | 1.61 | 60.55 | 4,698.4 | 57.0 | 101.0 | -57.0 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site: | S32-T2N-R68W (File/Hwy 52) | North Reference: | True |
| Well: | Hwy 52 4C-32H-O268 | 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 | 1.61 | 60.55 | 4,798.3 | 58.4 | 103.4 | -58.4 | 0.00 | 0.00 | |
| 4,900.0 | 1.61 | 60.55 | 4,898.3 | 59.8 | 105.9 | -59.8 | 0.00 | 0.00 | |
| 4,941.7 | 1.61 | 60.55 | 4,940.0 | 60.3 | 106.9 | -60.3 | 0.00 | 0.00 | Shannon |
| 5,000.0 | 1.61 | 60.55 | 4,998.3 | 61.2 | 108.3 | -61.2 | 0.00 | 0.00 | |
| 5,100.0 | 1.61 | 60.55 | 5,098.2 | 62.5 | 110.8 | -62.5 | 0.00 | 0.00 | |
| 5,200.0 | 1.61 | 60.55 | 5,198.2 | 63.9 | 113.2 | -63.9 | 0.00 | 0.00 | |
| 5,300.0 | 1.61 | 60.55 | 5,298.1 | 65.3 | 115.7 | -65.3 | 0.00 | 0.00 | |
| 5,400.0 | 1.61 | 60.55 | 5,398.1 | 66.7 | 118.1 | -66.7 | 0.00 | 0.00 | |
| 5,500.0 | 1.61 | 60.55 | 5,498.1 | 68.1 | 120.6 | -68.1 | 0.00 | 0.00 | |
| 5,600.0 | 1.61 | 60.55 | 5,598.0 | 69.5 | 123.0 | -69.5 | 0.00 | 0.00 | |
| 5,700.0 | 1.61 | 60.55 | 5,698.0 | 70.8 | 125.5 | -70.8 | 0.00 | 0.00 | |
| 5,800.0 | 1.61 | 60.55 | 5,797.9 | 72.2 | 127.9 | -72.2 | 0.00 | 0.00 | |
| 5,900.0 | 1.61 | 60.55 | 5,897.9 | 73.6 | 130.4 | -73.6 | 0.00 | 0.00 | |
| 6,000.0 | 1.61 | 60.55 | 5,997.9 | 75.0 | 132.8 | -75.0 | 0.00 | 0.00 | |
| 6,100.0 | 1.61 | 60.55 | 6,097.8 | 76.4 | 135.3 | -76.4 | 0.00 | 0.00 | |
| 6,200.0 | 1.61 | 60.55 | 6,197.8 | 77.8 | 137.7 | -77.8 | 0.00 | 0.00 | |
| 6,300.0 | 1.61 | 60.55 | 6,297.7 | 79.1 | 140.2 | -79.1 | 0.00 | 0.00 | |
| 6,400.0 | 1.61 | 60.55 | 6,397.7 | 80.5 | 142.6 | -80.5 | 0.00 | 0.00 | |
| 6,500.0 | 1.61 | 60.55 | 6,497.7 | 81.9 | 145.1 | -81.9 | 0.00 | 0.00 | |
| 6,502.3 | 1.61 | 60.55 | 6,500.0 | 81.9 | 145.1 | -81.9 | 0.00 | 0.00 | Teepee Buttes (*if present) |
| 6,600.0 | 1.61 | 60.55 | 6,597.6 | 83.3 | 147.5 | -83.3 | 0.00 | 0.00 | |
| 6,700.0 | 1.61 | 60.55 | 6,697.6 | 84.7 | 150.0 | -84.7 | 0.00 | 0.00 | |
| 6,800.0 | 1.61 | 60.55 | 6,797.5 | 86.1 | 152.4 | -86.1 | 0.00 | 0.00 | |
| 6,850.8 | 1.61 | 60.55 | 6,848.3 | 86.8 | 153.7 | -86.8 | 0.00 | 0.00 | Start build/turn @ 6850' MD |
| 6,900.0 | 4.36 | 161.26 | 6,897.5 | 85.3 | 154.9 | -85.3 | 10.00 | 5.59 | |
| 7,000.0 | 14.20 | 174.44 | 6,996.1 | 69.5 | 157.3 | -69.5 | 10.00 | 9.84 | |
| 7,100.0 | 24.17 | 176.87 | 7,090.4 | 36.7 | 159.6 | -36.7 | 10.00 | 9.97 | |
| 7,200.0 | 34.16 | 177.93 | 7,177.6 | -11.9 | 161.7 | 11.9 | 10.00 | 9.99 | |
| 7,300.0 | 44.15 | 178.55 | 7,255.0 | -74.9 | 163.6 | 74.9 | 10.00 | 9.99 | |
| 7,314.0 | 45.55 | 178.62 | 7,265.0 | -84.8 | 163.9 | 84.8 | 10.00 | 9.99 | Sharon Springs |
| 7,400.0 | 54.14 | 178.98 | 7,320.4 | -150.4 | 165.2 | 150.4 | 10.00 | 9.99 | |
| 7,452.2 | 59.36 | 179.17 | 7,349.0 | -194.1 | 165.9 | 194.1 | 10.00 | 10.00 | Niobrara |
| 7,500.0 | 64.14 | 179.32 | 7,371.6 | -236.2 | 166.5 | 236.2 | 10.00 | 10.00 | |
| 7,600.0 | 74.14 | 179.60 | 7,407.2 | -329.5 | 167.4 | 329.5 | 10.00 | 10.00 | |
| 7,651.5 | 79.28 | 179.73 | 7,419.0 | -379.5 | 167.7 | 379.5 | 10.00 | 10.00 | B Chalk |
| 7,700.0 | 84.13 | 179.86 | 7,426.0 | -427.6 | 167.8 | 427.6 | 10.00 | 10.00 | |
| 7,758.7 | 90.00 | 180.00 | 7,429.0 | -486.1 | 167.9 | 486.1 | 10.00 | 10.00 | LP @ 7429' TVD; 90° |
| 7,800.0 | 90.00 | 180.00 | 7,429.0 | -527.5 | 167.9 | 527.5 | 0.00 | 0.00 | |
| 7,900.0 | 90.00 | 180.00 | 7,429.0 | -627.5 | 167.9 | 627.5 | 0.00 | 0.00 | |
| 8,000.0 | 90.00 | 180.00 | 7,429.0 | -727.5 | 167.9 | 727.5 | 0.00 | 0.00 | |
| 8,100.0 | 90.00 | 180.00 | 7,429.0 | -827.5 | 167.9 | 827.5 | 0.00 | 0.00 | |
| 8,200.0 | 90.00 | 180.00 | 7,429.0 | -927.5 | 167.9 | 927.5 | 0.00 | 0.00 | |
| 8,300.0 | 90.00 | 180.00 | 7,429.0 | -1,027.5 | 167.9 | 1,027.5 | 0.00 | 0.00 | |
| 8,400.0 | 90.00 | 180.00 | 7,429.0 | -1,127.5 | 167.9 | 1,127.5 | 0.00 | 0.00 | |
| 8,500.0 | 90.00 | 180.00 | 7,429.0 | -1,227.5 | 167.9 | 1,227.5 | 0.00 | 0.00 | |
| 8,600.0 | 90.00 | 180.00 | 7,429.0 | -1,327.5 | 167.9 | 1,327.5 | 0.00 | 0.00 | |
| 8,700.0 | 90.00 | 180.00 | 7,429.0 | -1,427.5 | 167.9 | 1,427.5 | 0.00 | 0.00 | |
| 8,800.0 | 90.00 | 180.00 | 7,429.0 | -1,527.5 | 167.9 | 1,527.5 | 0.00 | 0.00 | |
| 8,900.0 | 90.00 | 180.00 | 7,429.0 | -1,627.5 | 167.9 | 1,627.5 | 0.00 | 0.00 | |
| 9,000.0 | 90.00 | 180.00 | 7,429.0 | -1,727.5 | 167.9 | 1,727.5 | 0.00 | 0.00 | |
| 9,100.0 | 90.00 | 180.00 | 7,429.0 | -1,827.5 | 167.9 | 1,827.5 | 0.00 | 0.00 | |
| 9,200.0 | 90.00 | 180.00 | 7,429.0 | -1,927.5 | 167.9 | 1,927.5 | 0.00 | 0.00 | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site: | S32-T2N-R68W (File/Hwy 52) | North Reference: | True |
| Well: | Hwy 52 4C-32H-O268 | 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 | 180.00 | 7,429.0 | -2,027.5 | 167.9 | 2,027.5 | 0.00 | 0.00 | |
| 9,400.0 | 90.00 | 180.00 | 7,429.0 | -2,127.5 | 167.9 | 2,127.5 | 0.00 | 0.00 | |
| 9,500.0 | 90.00 | 180.00 | 7,429.0 | -2,227.5 | 167.9 | 2,227.5 | 0.00 | 0.00 | |
| 9,600.0 | 90.00 | 180.00 | 7,429.0 | -2,327.5 | 167.9 | 2,327.5 | 0.00 | 0.00 | |
| 9,700.0 | 90.00 | 180.00 | 7,429.0 | -2,427.5 | 167.9 | 2,427.5 | 0.00 | 0.00 | |
| 9,800.0 | 90.00 | 180.00 | 7,429.0 | -2,527.5 | 167.9 | 2,527.5 | 0.00 | 0.00 | |
| 9,900.0 | 90.00 | 180.00 | 7,429.0 | -2,627.5 | 167.9 | 2,627.5 | 0.00 | 0.00 | |
| 10,000.0 | 90.00 | 180.00 | 7,429.0 | -2,727.5 | 167.9 | 2,727.5 | 0.00 | 0.00 | |
| 10,100.0 | 90.00 | 180.00 | 7,429.0 | -2,827.5 | 167.9 | 2,827.5 | 0.00 | 0.00 | |
| 10,200.0 | 90.00 | 180.00 | 7,429.0 | -2,927.5 | 167.9 | 2,927.5 | 0.00 | 0.00 | |
| 10,300.0 | 90.00 | 180.00 | 7,429.0 | -3,027.5 | 167.9 | 3,027.5 | 0.00 | 0.00 | |
| 10,400.0 | 90.00 | 180.00 | 7,429.0 | -3,127.5 | 167.9 | 3,127.5 | 0.00 | 0.00 | |
| 10,500.0 | 90.00 | 180.00 | 7,429.0 | -3,227.5 | 167.9 | 3,227.5 | 0.00 | 0.00 | |
| 10,600.0 | 90.00 | 180.00 | 7,429.0 | -3,327.5 | 167.9 | 3,327.5 | 0.00 | 0.00 | |
| 10,700.0 | 90.00 | 180.00 | 7,429.0 | -3,427.5 | 167.9 | 3,427.5 | 0.00 | 0.00 | |
| 10,800.0 | 90.00 | 180.00 | 7,429.0 | -3,527.5 | 167.9 | 3,527.5 | 0.00 | 0.00 | |
| 10,900.0 | 90.00 | 180.00 | 7,429.0 | -3,627.5 | 167.9 | 3,627.5 | 0.00 | 0.00 | |
| 11,000.0 | 90.00 | 180.00 | 7,429.0 | -3,727.5 | 167.9 | 3,727.5 | 0.00 | 0.00 | |
| 11,100.0 | 90.00 | 180.00 | 7,429.0 | -3,827.5 | 167.9 | 3,827.5 | 0.00 | 0.00 | |
| 11,200.0 | 90.00 | 180.00 | 7,429.0 | -3,927.5 | 167.9 | 3,927.5 | 0.00 | 0.00 | |
| 11,300.0 | 90.00 | 180.00 | 7,429.0 | -4,027.5 | 167.9 | 4,027.5 | 0.00 | 0.00 | |
| 11,400.0 | 90.00 | 180.00 | 7,429.0 | -4,127.5 | 167.9 | 4,127.5 | 0.00 | 0.00 | |
| 11,500.0 | 90.00 | 180.00 | 7,429.0 | -4,227.5 | 167.9 | 4,227.5 | 0.00 | 0.00 | |
| 11,600.0 | 90.00 | 180.00 | 7,429.0 | -4,327.5 | 167.9 | 4,327.5 | 0.00 | 0.00 | |
| 11,700.0 | 90.00 | 180.00 | 7,429.0 | -4,427.5 | 167.9 | 4,427.5 | 0.00 | 0.00 | |
| 11,800.0 | 90.00 | 180.00 | 7,429.0 | -4,527.5 | 167.9 | 4,527.5 | 0.00 | 0.00 | |
| 11,900.0 | 90.00 | 180.00 | 7,429.0 | -4,627.5 | 167.9 | 4,627.5 | 0.00 | 0.00 | |
| 12,000.0 | 90.00 | 180.00 | 7,429.0 | -4,727.5 | 167.9 | 4,727.5 | 0.00 | 0.00 | |
| 12,100.0 | 90.00 | 180.00 | 7,429.0 | -4,827.5 | 167.9 | 4,827.5 | 0.00 | 0.00 | |
| 12,200.0 | 90.00 | 180.00 | 7,429.0 | -4,927.5 | 167.9 | 4,927.5 | 0.00 | 0.00 | |
| 12,300.0 | 90.00 | 180.00 | 7,429.0 | -5,027.5 | 167.9 | 5,027.5 | 0.00 | 0.00 | |
| 12,400.0 | 90.00 | 180.00 | 7,429.0 | -5,127.5 | 167.9 | 5,127.5 | 0.00 | 0.00 | |
| 12,500.0 | 90.00 | 180.00 | 7,429.0 | -5,227.5 | 167.9 | 5,227.5 | 0.00 | 0.00 | |
| 12,600.0 | 90.00 | 180.00 | 7,429.0 | -5,327.5 | 167.9 | 5,327.5 | 0.00 | 0.00 | |
| 12,700.0 | 90.00 | 180.00 | 7,429.0 | -5,427.5 | 167.9 | 5,427.5 | 0.00 | 0.00 | |
| 12,758.7 | 90.00 | 180.00 | 7,429.0 | -5,486.1 | 167.9 | 5,486.1 | 0.00 | 0.00 | TD at 12758.7 - Hwy 52-4C-32H-O268 PBHL |

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 | | | | | | | | | |
| Hwy 52-4C-32H-O268 P | 0.00 | 0.00 | 7,429.0 | -5,486.1 | 167.9 | 1,270,264.53 | 3,133,076.37 | 40.074280 | -105.024490 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |

Planning Report

| | | | |
|------------------|-----------------------------|-------------------------------------|--------------------------------------|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Company: | EnCana Oil & Gas (USA) Inc | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Project: | DJ Wattenberg | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site: | S32-T2N-R68W (File/Hwy 52) | North Reference: | True |
| Well: | Hwy 52 4C-32H-O268 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Hz | | |
| Design: | Plan #1 | | |

| Formations | | | | | | |
|---------------------|---------------------|-----------------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 329.0 | 329.0 | Fox Hills - BASE | | | | |
| 4,383.5 | 4,382.0 | Sussex | | | | |
| 4,649.6 | 4,648.0 | Sussex Marker | | | | |
| 4,941.7 | 4,940.0 | Shannon | | | | |
| 6,502.3 | 6,500.0 | Teepee Buttes (*if present) | | | | |
| 7,314.0 | 7,265.0 | Sharon Springs | | | | |
| 7,452.2 | 7,349.0 | Niobrara | | | | |
| 7,651.5 | 7,419.0 | B Chalk | | | | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|-----------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 500.0 | 500.0 | 0.0 | 0.0 | KOP @ 500' | |
| 661.3 | 661.3 | 1.1 | 2.0 | EOB; Inc=1.61° | |
| 6,850.8 | 6,848.3 | 86.8 | 153.7 | Start build/turn @ 6850' MD | |
| 7,758.7 | 7,429.0 | -486.1 | 167.9 | LP @ 7429' TVD; 90° | |
| 12,758.7 | 7,429.0 | -5,486.1 | 167.9 | TD at 12758.7 | |

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S32-T2N-R68W (File/Hwy 52)

Hwy 52 4C-32H-O268

Hz

Plan #1

Anticollision Report

03 July, 2013

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | 7/3/2013 | | |
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 0.0 | 12,758.5 | Plan #1 (Hz) | Geolink MWD | Geolink MWD | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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) | | |
| S32-T2N-R68W (File/Hwy 52) | | | | | | |
| ANDERSON 21-32 (EXISTING) - ENCANA WELL - NO S | | | | | | Out of range |
| ANDERSON 22-32 (EXISTING) - KPK WELL - NO SURV | | | | | | Out of range |
| ANDERSON 22-32 ENC (EXISTING) - ENCANA WELL - | | | | | | Out of range |
| ANDERSON 31-32 (EXISTING) - ENCANA WELL - PLAN | | | | | | Out of range |
| ANDERSON 32-32 (EXISTING) - ENCANA WELL - SUR | | | | | | Out of range |
| ANDERSON 32-7 (EXISTING) - KPK WELL - NO SURVE | | | | | | Out of range |
| ANDERSON 41-32 (EXISTING) - ENCANA WELL - NO S | | | | | | Out of range |
| ANDERSON 42-32 (EXISTING) - BASIN EXP WELL - NO | | | | | | Out of range |
| ANDERSON 4-2-32 (EXISTING) - ENCANA WELL - SUR | | | | | | Out of range |
| ANDERSON 6-4-32 (EXISTING) - ENCANA WELL - SUR | | | | | | Out of range |
| ANDERSON TRUST 1 (EXISTING) - KPK WELL - NO S | | | | | | Out of range |
| ANDERSON TRUST 1 A (EXISTING) - ENCANA WELL - | | | | | | Out of range |
| ANDERSON TRUST 2 A (EXISTING) - ENCANA WELL - | | | | | | Out of range |
| ANDERSON TRUST 32-2 (EXISTING) - ENCANA WELL | | | | | | Out of range |
| ANDERSON TRUST 32-8 (EXISTING) - ENCANA WELL | | | | | | Out of range |
| ANDERSON TRUST C 1 (EXISTING) - ENCANA WELL | | | | | | Out of range |
| ANDERSON TRUST C UNIT 2 (EXISTING) - ENCANA W | | | | | | Out of range |
| BROWN 22-5 (EXISTING) - ENCANA WELL - NO SURV | | | | | | Out of range |
| BROWN 31-5 (EXISTING) - ENCANA WELL - SURVEYS | 8,514.8 | 7,664.2 | 90.6 | 50.3 | 2.249 | CC, ES, SF |
| BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA | 1,131.6 | 1,122.2 | 405.1 | 400.1 | 81.111 | CC, ES |
| BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA | 1,700.0 | 1,607.3 | 476.3 | 468.2 | 58.902 | SF |
| BROWN 5-3 (EXISTING) - ENCANA WELL - NO SURVE | | | | | | Out of range |
| BROWN 5-5 (EXISTING) - ENCANA WELL - NO SURVE | | | | | | Out of range |
| BROWN C UNIT 1 (EXISTING) - ENCANA WELL - NO S | 9,628.5 | 7,434.0 | 177.7 | 119.9 | 3.076 | CC, ES, SF |
| BROWN C UNIT 2 (EXISTING) - ENCANA WELL - NO S | | | | | | Out of range |
| CANINO 1-X (EXISTING) - ENCANA WELL - NO SURVE | | | | | | Out of range |
| CANINO 2 (EXISTING) - HUGHES CW WELL - NO SUR | | | | | | Out of range |
| CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR | 3,077.7 | 3,018.7 | 53.6 | 42.9 | 4.985 | CC |
| CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR | 3,300.0 | 3,240.9 | 54.0 | 42.4 | 4.676 | ES |
| CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR | 7,195.6 | 7,116.0 | 74.1 | 49.2 | 2.970 | SF |
| FEDERAL NOAA 11-32 (EXISTING) - ENCANA WELL - N | | | | | | Out of range |
| File 3A-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3B-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3C-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3D-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3E-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3F-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3G-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3H-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3I-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3J-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3K-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3L-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3M-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3N-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3O-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| File 3P-32H-K268 - Hz - Plan #1 | | | | | | Out of range |
| FOSTER 33-5 (EXISTING) - ENCANA WELL - SURVEY | 11,231.3 | 7,722.3 | 102.9 | 2.4 | 1.023 | Level 2, CC, ES, SF |
| FOSTER 43-5 (EXISTING) - ENCANA WELL - SURVEY | | | | | | Out of range |
| FOSTER 4-5 (EXISTING) - ENCANA WELL - SURVEYS | | | | | | Out of range |
| FOSTER 4-6-5 (EXISTING) - ENCANA WELL - SURVEY | | | | | | Out of range |
| FOSTER 6-4-5 (EXISTING) - ENCANA WELL - SURVEY | | | | | | Out of range |
| FOSTER 6-4-5X (EXISTING) - ENCANA WELL - SURVE | | | | | | Out of range |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 Offset Well - Wellbore - Design | Reference | Offset | Distance | | Separation | Warning |
|-------------------------------------------------|---------------------------|---------------------------|----------------------------|-----------------------------|------------|--------------|
| | Measured Depth (ft) | Measured Depth (ft) | Between Centres (ft) | Between Ellipses (ft) | | |
| S32-T2N-R68W (File/Hwy 52) | | | | | | |
| FOSTER 6-8-5 (EXISTING) - ENCANA WELL - SURVEY | | | | | | Out of range |
| FOSTER 8-8-5 (EXISTING) - ENCANA WELL - SURVEY | | | | | | Out of range |
| FOSTER E UNIT 1 (EXISTING) - ENCANA WELL - NO S | | | | | | Out of range |
| GENE 11-5 (EXISTING) - KERR-MCGEE WELL - NO SU | | | | | | Out of range |
| HIGHLAND 21-5 (EXISTING) - KPK WELL - NO SURVE | | | | | | Out of range |
| HOPE 31-5 (EXISTING) - KPK WELL - NO SURVEYS | | | | | | Out of range |
| Hwy 52 4A-32H-O268 - Hz - Plan #1 | 166.3 | 167.3 | 10.0 | 9.5 | 18.868 | CC |
| Hwy 52 4A-32H-O268 - Hz - Plan #1 | 200.0 | 201.0 | 10.0 | 9.4 | 15.444 | ES |
| Hwy 52 4A-32H-O268 - Hz - Plan #1 | 400.0 | 400.6 | 13.4 | 12.1 | 9.958 | SF |
| Hwy 52 4B-32H-O268 - Hz - Plan #1 | 200.0 | 200.0 | 7.8 | 7.2 | 12.094 | CC, ES |
| Hwy 52 4B-32H-O268 - Hz - Plan #1 | 12,758.7 | 13,081.0 | 450.0 | 294.1 | 2.888 | SF |
| Hwy 52 4D-32H-O268 - Hz - Plan #1 | 700.0 | 699.8 | 7.5 | 5.1 | 3.147 | CC, ES |
| Hwy 52 4D-32H-O268 - Hz - Plan #1 | 12,758.7 | 13,091.6 | 450.0 | 294.3 | 2.890 | SF |
| Hwy 52 4E-32H-O268 - Hz - Plan #1 | 735.7 | 735.2 | 17.9 | 15.4 | 7.113 | CC, ES |
| Hwy 52 4E-32H-O268 - Hz - Plan #1 | 900.0 | 899.0 | 20.2 | 17.1 | 6.531 | SF |
| Hwy 52 4F-32H-O268 - Hz - Plan #1 | 849.2 | 848.6 | 20.5 | 17.6 | 7.043 | CC, ES |
| Hwy 52 4F-32H-O268 - Hz - Plan #1 | 1,000.0 | 998.8 | 22.5 | 19.1 | 6.557 | SF |
| Hwy 52 4G-32H-O268 - Hz - Plan #1 | 927.0 | 926.4 | 23.4 | 20.2 | 7.345 | CC, ES |
| Hwy 52 4G-32H-O268 - Hz - Plan #1 | 1,100.0 | 1,098.7 | 25.9 | 22.1 | 6.834 | SF |
| Hwy 52 4H-32H-O268 - Hz - Plan #1 | 1,040.3 | 1,039.5 | 25.5 | 21.9 | 7.112 | CC, ES |
| Hwy 52 4H-32H-O268 - Hz - Plan #1 | 1,200.0 | 1,198.5 | 27.7 | 23.6 | 6.697 | SF |
| Hwy 52 4I-32H-O268 - Hz - Plan #1 | 802.0 | 801.8 | 33.9 | 31.0 | 11.747 | CC, ES |
| Hwy 52 4I-32H-O268 - Hz - Plan #1 | 900.0 | 899.1 | 36.0 | 32.7 | 11.032 | SF |
| Hwy 52 4J-32H-O268 - Hz - Plan #1 | 795.2 | 793.8 | 49.7 | 46.9 | 17.780 | CC |
| Hwy 52 4J-32H-O268 - Hz - Plan #1 | 800.0 | 798.6 | 49.7 | 46.9 | 17.665 | ES |
| Hwy 52 4J-32H-O268 - Hz - Plan #1 | 7,505.5 | 7,519.3 | 223.8 | 196.2 | 8.116 | SF |
| Hwy 52 4K-32H-O268 - Hz - Plan #1 | 400.0 | 399.0 | 60.0 | 58.7 | 44.704 | CC, ES |
| Hwy 52 4K-32H-O268 - Hz - Plan #1 | 7,800.0 | 7,452.2 | 200.9 | 168.7 | 6.246 | SF |
| Hwy 52 4L-32H-O268 - Hz - Plan #1 | 721.2 | 718.6 | 64.3 | 61.9 | 26.105 | CC, ES |
| Hwy 52 4L-32H-O268 - Hz - Plan #1 | 7,600.0 | 7,475.1 | 433.6 | 405.3 | 15.292 | SF |
| Hwy 52 4M-32H-O268 - Hz - Plan #1 | 777.2 | 774.1 | 84.0 | 81.4 | 31.631 | CC |
| Hwy 52 4M-32H-O268 - Hz - Plan #1 | 800.0 | 796.6 | 84.1 | 81.3 | 30.725 | ES |
| Hwy 52 4M-32H-O268 - Hz - Plan #1 | 1,300.0 | 1,288.3 | 107.4 | 102.9 | 23.863 | SF |
| Hwy 52 4N-32H-O268 - Hz - Plan #1 | 867.2 | 863.9 | 87.4 | 84.4 | 29.421 | CC |
| Hwy 52 4N-32H-O268 - Hz - Plan #1 | 900.0 | 896.3 | 87.5 | 84.4 | 28.358 | ES |
| Hwy 52 4N-32H-O268 - Hz - Plan #1 | 1,300.0 | 1,289.7 | 103.3 | 98.8 | 23.011 | SF |
| Hwy 52 4O-32H-O268 - Hz - Plan #1 | 400.0 | 399.0 | 95.2 | 93.8 | 70.917 | CC, ES |
| Hwy 52 4O-32H-O268 - Hz - Plan #1 | 1,200.0 | 1,183.2 | 133.6 | 129.5 | 32.398 | SF |
| Hwy 52 4P-32H-O268 - Hz - Plan #1 | 200.0 | 199.0 | 101.0 | 100.3 | 156.774 | CC, ES |
| Hwy 52 4P-32H-O268 - Hz - Plan #1 | 1,200.0 | 1,174.8 | 170.1 | 166.0 | 41.427 | SF |
| LAURIE 32-5 (EXISTING) - KPK WELL - NO SURVEYS | | | | | | Out of range |
| NATALIE 33-5 (EXISTING) - KPK WELL - NO SURVEYS | | | | | | Out of range |
| NELSON 1 (EXISTING) - TEXAS TEA WELL - NO SURV | | | | | | Out of range |
| NELSON 1 A (EXISTING) - TEXAS TEA WELL - NO SUR | | | | | | Out of range |
| NELSON 2 (EXISTING) - TEXAS TEA WELL - NO SURV | | | | | | Out of range |
| NELSON 3 (EXISTING) - TEXAS TEA WELL - NO SURV | | | | | | Out of range |
| NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV | | | | | | Out of range |
| NELSON 5 (EXISTING) - VESSELS WELL - NO SURVE | | | | | | Out of range |
| NELSON 5 TT (EXISTING) - TEXAS TEA WELL - NO SU | | | | | | Out of range |
| NELSON 6 (EXISTING) - VESSELS WELL - NO SURVE | | | | | | Out of range |
| NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S | | | | | | Out of range |
| NELSON E UNIT 2 (EXISTING) - ENCANA WELL - NO S | | | | | | Out of range |
| PAQUETTE 13-5 (EXISTING) - KERR-MCGEE WELL - N | | | | | | Out of range |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 Between Centres (ft) | Between Ellipses (ft) | Separation Factor | Warning |
|-------------------------------------------------|----------------------------------------|-------------------------------------|----------------------------------------|-----------------------------|----------------------|--------------|
| S32-T2N-R68W (File/Hwy 52) | | | | | | |
| PAQUETTE 14-5 (EXISTING) - KERR-MCGEE WELL - N | | | | | | Out of range |
| RAY NELSON 0-4-32 (EXISTING) - ENCANA WELL - NO | | | | | | Out of range |
| RAY NELSON 12-32 (EXISTING) - ENCANA WELL - NO | | | | | | Out of range |
| RAY NELSON 13-32 (EXISTING) - ENCANA WELL - SU | | | | | | Out of range |
| RAY NELSON 14-32 (EXISTING) - ENCANA WELL - SU | | | | | | Out of range |
| RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO | | | | | | Out of range |
| RAY NELSON 24-32 (EXISTING) - ENCANA WELL - SU | | | | | | Out of range |
| RAY NELSON 2-4-32 (EXISTING) - ENCANA WELL - NO | | | | | | Out of range |
| RAY NELSON 33-32 (EXISTING) - ENCANA WELL - EN | 1,154.8 | 1,134.3 | 411.8 | 407.9 | 104.222 | CC, ES |
| RAY NELSON 33-32 (EXISTING) - ENCANA WELL - EN | 2,000.0 | 1,913.4 | 485.8 | 478.4 | 65.337 | SF |
| RAY NELSON 34-32 (EXISTING) - ENCANA WELL - EN | 3,399.6 | 3,396.3 | 122.3 | 109.9 | 9.923 | CC |
| RAY NELSON 34-32 (EXISTING) - ENCANA WELL - EN | 3,400.0 | 3,396.7 | 122.3 | 109.9 | 9.922 | ES |
| RAY NELSON 34-32 (EXISTING) - ENCANA WELL - EN | 3,500.0 | 3,493.6 | 124.5 | 111.7 | 9.760 | SF |
| RAY NELSON 44-32 (EXISTING) - ENCANA WELL - EN | 141.6 | 132.0 | 442.3 | 441.9 | 1,038.736 | CC, ES |
| RAY NELSON 44-32 (EXISTING) - ENCANA WELL - EN | 800.0 | 715.0 | 489.9 | 487.3 | 188.850 | SF |
| RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SU | | | | | | Out of range |
| RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU | | | | | | Out of range |
| RAY NELSON 4-8-32 (EXISTING) - ENCANA WELL - PL | 4,258.8 | 4,447.7 | 116.9 | 82.3 | 3.382 | CC, ES, SF |
| RAY NELSON 6-8-32 (EXISTING) - ENCANA WELL - PL | | | | | | Out of range |
| Ray Nelson 7-8-32 - DD - Plan #1 | 712.7 | 690.3 | 446.5 | 444.1 | 185.562 | CC, ES |
| Ray Nelson 7-8-32 - DD - Plan #1 | 1,500.0 | 1,432.2 | 498.2 | 492.4 | 86.167 | SF |
| RAY NELSON 8-4-32 (EXISTING) - ENCANA WELL - PL | | | | | | Out of range |
| RAY NELSON 8-6-32 (EXISTING) - ENCANA WELL - PL | | | | | | Out of range |
| RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SU | 0.0 | 0.0 | 447.5 | | | |
| RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SU | 900.0 | 813.1 | 498.0 | 494.6 | 149.024 | SF |
| SCHRINER 11-5 (EXISTING) - KERR-MCGEE WELL - N | | | | | | Out of range |
| SCHRINER 12-5 (EXISTING) - KERR-MCGEE WELL - N | | | | | | Out of range |
| WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1 | | | | | | Out of range |
| WANDELL 41-7 (EXISTING) - ENCANA WELL - Plan #1 | 7,565.6 | 7,462.7 | 282.8 | 252.8 | 9.417 | CC, ES |
| WANDELL 41-7 (EXISTING) - ENCANA WELL - Plan #1 | 7,600.0 | 7,468.8 | 284.9 | 254.7 | 9.417 | SF |
| WANDELL 42-7 (EXISTING) - ENCANA WELL - Plan #1 | 9,091.9 | 7,610.5 | 344.5 | 285.8 | 5.869 | CC |
| WANDELL 42-7 (EXISTING) - ENCANA WELL - Plan #1 | 9,100.0 | 7,611.7 | 344.6 | 285.8 | 5.858 | ES, SF |
| WANDELL 43-7 (EXISTING) - ENCANA WELL - Plan #1 | | | | | | Out of range |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - BROWN 31-5 (EXISTING) - ENCANA WELL - SURVEYS | | | | | | | | | | | | | Offset Site Error: 0.0 ft | |
|------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---------------------------|---------|
| Survey Program: 777-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 | | |
| 8,100.0 | 7,429.0 | 7,671.4 | 7,533.2 | 20.7 | 25.8 | 94.55 | -1,242.1 | 77.3 | 424.5 | 390.3 | 34.22 | 12.404 | | |
| 8,200.0 | 7,429.0 | 7,669.7 | 7,531.5 | 22.1 | 25.7 | 93.44 | -1,242.1 | 77.3 | 327.5 | 291.9 | 35.63 | 9.191 | | |
| 8,300.0 | 7,429.0 | 7,667.9 | 7,529.7 | 23.6 | 25.7 | 92.33 | -1,242.1 | 77.3 | 233.1 | 196.0 | 37.08 | 6.285 | | |
| 8,400.0 | 7,429.0 | 7,666.2 | 7,527.9 | 25.0 | 25.7 | 91.22 | -1,242.2 | 77.3 | 146.2 | 107.7 | 38.57 | 3.791 | | |
| 8,500.0 | 7,429.0 | 7,664.4 | 7,526.2 | 26.6 | 25.7 | 90.12 | -1,242.2 | 77.3 | 91.8 | 51.8 | 40.07 | 2.292 | | |
| 8,514.8 | 7,429.0 | 7,664.2 | 7,525.9 | 26.8 | 25.7 | 89.96 | -1,242.2 | 77.3 | 90.6 | 50.3 | 40.29 | 2.249 | CC, ES, SF | |
| 8,600.0 | 7,429.0 | 7,662.7 | 7,524.5 | 28.1 | 25.7 | 89.01 | -1,242.2 | 77.3 | 124.4 | 82.8 | 41.59 | 2.992 | | |
| 8,700.0 | 7,429.0 | 7,660.9 | 7,522.7 | 29.7 | 25.7 | 87.91 | -1,242.3 | 77.3 | 206.2 | 163.1 | 43.12 | 4.783 | | |
| 8,800.0 | 7,429.0 | 7,659.2 | 7,520.9 | 31.3 | 25.7 | 86.80 | -1,242.3 | 77.3 | 299.3 | 254.6 | 44.65 | 6.703 | | |
| 8,900.0 | 7,429.0 | 7,657.4 | 7,519.2 | 32.9 | 25.7 | 85.69 | -1,242.3 | 77.3 | 395.7 | 349.5 | 46.18 | 8.569 | | |
| 9,000.0 | 7,429.0 | 7,655.6 | 7,517.4 | 34.5 | 25.7 | 84.57 | -1,242.4 | 77.3 | 493.6 | 445.9 | 47.70 | 10.347 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA WELL | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|----------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|---------------|--------------------|--------|
| Survey Program: 41-Geolink 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 | Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 61.92 | 207.5 | 388.9 | 440.9 | | | | | |
| 100.0 | 100.0 | 86.5 | 86.5 | 0.1 | 0.1 | 61.96 | 207.5 | 389.5 | 441.3 | 441.0 | 0.27 | 1,612.457 | | |
| 200.0 | 200.0 | 185.7 | 185.7 | 0.3 | 0.3 | 62.02 | 207.4 | 390.5 | 442.2 | 441.6 | 0.62 | 710.459 | | |
| 300.0 | 300.0 | 287.5 | 287.5 | 0.5 | 0.5 | 62.12 | 207.2 | 391.6 | 443.0 | 442.1 | 0.98 | 454.189 | | |
| 400.0 | 400.0 | 399.0 | 398.9 | 0.7 | 0.7 | 62.40 | 204.9 | 391.9 | 442.3 | 440.9 | 1.34 | 329.118 | | |
| 500.0 | 500.0 | 506.6 | 506.4 | 0.8 | 0.9 | 63.14 | 198.3 | 391.6 | 439.3 | 437.6 | 1.71 | 257.449 | | |
| 600.0 | 600.0 | 614.3 | 613.4 | 1.0 | 1.1 | 4.04 | 186.3 | 392.1 | 433.9 | 431.7 | 2.16 | 200.926 | | |
| 700.0 | 700.0 | 717.2 | 714.9 | 1.2 | 1.5 | 6.16 | 169.7 | 393.0 | 425.5 | 422.8 | 2.64 | 161.450 | | |
| 800.0 | 799.9 | 808.8 | 805.0 | 1.4 | 1.8 | 8.37 | 153.3 | 394.9 | 417.8 | 414.7 | 3.11 | 134.484 | | |
| 900.0 | 899.9 | 904.0 | 898.5 | 1.6 | 2.1 | 10.90 | 135.6 | 398.5 | 412.2 | 408.6 | 3.62 | 113.840 | | |
| 1,000.0 | 999.8 | 1,001.5 | 993.9 | 1.7 | 2.5 | 13.78 | 116.0 | 403.0 | 408.0 | 403.8 | 4.19 | 97.386 | | |
| 1,100.0 | 1,099.8 | 1,094.6 | 1,084.0 | 1.9 | 2.9 | 17.14 | 93.6 | 408.7 | 405.3 | 400.5 | 4.80 | 84.378 | | |
| 1,131.6 | 1,131.4 | 1,122.2 | 1,110.6 | 2.0 | 3.0 | 18.24 | 86.3 | 410.8 | 405.1 | 400.1 | 4.99 | 81.111 CC, ES | | |
| 1,200.0 | 1,199.8 | 1,180.6 | 1,166.6 | 2.1 | 3.3 | 20.60 | 70.8 | 415.9 | 406.2 | 400.8 | 5.40 | 75.222 | | |
| 1,300.0 | 1,299.7 | 1,264.3 | 1,246.7 | 2.3 | 3.8 | 24.03 | 48.2 | 425.2 | 411.6 | 405.6 | 5.99 | 68.719 | | |
| 1,400.0 | 1,399.7 | 1,348.5 | 1,326.9 | 2.5 | 4.2 | 27.42 | 25.4 | 437.0 | 421.8 | 415.3 | 6.55 | 64.371 | | |
| 1,500.0 | 1,499.6 | 1,431.4 | 1,405.7 | 2.6 | 4.7 | 30.50 | 3.7 | 450.7 | 436.4 | 429.4 | 7.08 | 61.651 | | |
| 1,600.0 | 1,599.6 | 1,518.5 | 1,488.2 | 2.8 | 5.2 | 33.53 | -19.0 | 467.3 | 455.0 | 447.4 | 7.60 | 59.855 | | |
| 1,700.0 | 1,699.6 | 1,607.3 | 1,571.9 | 3.0 | 5.7 | 36.41 | -42.3 | 485.4 | 476.3 | 468.2 | 8.09 | 58.902 SF | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - BROWN C UNIT 1 (EXISTING) - ENCANA WELL - NO SURVEYS | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 8292-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 | | |
| 9,200.0 | 7,429.0 | 7,434.0 | 7,434.0 | 37.8 | 13.0 | 90.00 | -2,355.9 | -9.8 | 463.8 | 413.2 | 50.62 | 9.163 | | |
| 9,300.0 | 7,429.0 | 7,434.0 | 7,434.0 | 39.4 | 13.0 | 90.00 | -2,355.9 | -9.8 | 373.4 | 321.2 | 52.28 | 7.143 | | |
| 9,400.0 | 7,429.0 | 7,434.0 | 7,434.0 | 41.1 | 13.0 | 90.00 | -2,355.9 | -9.8 | 289.4 | 235.5 | 53.95 | 5.365 | | |
| 9,500.0 | 7,429.0 | 7,434.0 | 7,434.0 | 42.7 | 13.0 | 90.00 | -2,355.9 | -9.8 | 219.3 | 163.7 | 55.62 | 3.942 | | |
| 9,600.0 | 7,429.0 | 7,434.0 | 7,434.0 | 44.4 | 13.0 | 90.00 | -2,355.9 | -9.8 | 180.0 | 122.7 | 57.30 | 3.141 | | |
| 9,628.5 | 7,429.0 | 7,434.0 | 7,434.0 | 44.9 | 13.0 | 90.00 | -2,355.9 | -9.8 | 177.7 | 119.9 | 57.78 | 3.076 | CC, ES, SF | |
| 9,700.0 | 7,429.0 | 7,434.0 | 7,434.0 | 46.1 | 13.0 | 90.00 | -2,355.9 | -9.8 | 191.6 | 132.6 | 58.98 | 3.248 | | |
| 9,800.0 | 7,429.0 | 7,434.0 | 7,434.0 | 47.8 | 13.0 | 90.00 | -2,355.9 | -9.8 | 247.0 | 186.3 | 60.67 | 4.071 | | |
| 9,900.0 | 7,429.0 | 7,434.0 | 7,434.0 | 49.5 | 13.0 | 90.00 | -2,355.9 | -9.8 | 324.5 | 262.1 | 62.37 | 5.203 | | |
| 10,000.0 | 7,429.0 | 7,434.0 | 7,434.0 | 51.2 | 13.0 | 90.00 | -2,355.9 | -9.8 | 411.8 | 347.8 | 64.07 | 6.428 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - CANINO 3 (EXISTING) - HUGHES CW WELL - NO SURVEYS | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|----------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 7800-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total Uncertainty Axis | Separation Factor | 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) | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 97.90 | -12.1 | 87.6 | 105.7 | | | | | |
| 100.0 | 100.0 | 42.0 | 42.0 | 0.1 | 0.1 | 97.90 | -12.1 | 87.6 | 88.4 | 88.2 | 0.22 | 398.462 | | |
| 200.0 | 200.0 | 142.0 | 142.0 | 0.3 | 0.2 | 97.90 | -12.1 | 87.6 | 88.4 | 87.8 | 0.57 | 154.840 | | |
| 300.0 | 300.0 | 242.0 | 242.0 | 0.5 | 0.4 | 97.90 | -12.1 | 87.6 | 88.4 | 87.5 | 0.92 | 96.090 | | |
| 400.0 | 400.0 | 342.0 | 342.0 | 0.7 | 0.6 | 97.90 | -12.1 | 87.6 | 88.4 | 87.1 | 1.27 | 69.660 | | |
| 500.0 | 500.0 | 442.0 | 442.0 | 0.8 | 0.8 | 97.90 | -12.1 | 87.6 | 88.4 | 86.8 | 1.62 | 54.632 | | |
| 600.0 | 600.0 | 542.0 | 542.0 | 1.0 | 0.9 | 37.70 | -12.1 | 87.6 | 87.7 | 85.7 | 1.97 | 44.585 | | |
| 700.0 | 700.0 | 642.0 | 642.0 | 1.2 | 1.1 | 38.72 | -12.1 | 87.6 | 85.8 | 83.4 | 2.32 | 37.013 | | |
| 800.0 | 799.9 | 741.9 | 741.9 | 1.4 | 1.3 | 39.93 | -12.1 | 87.6 | 83.6 | 80.9 | 2.67 | 31.333 | | |
| 900.0 | 899.9 | 841.9 | 841.9 | 1.6 | 1.5 | 41.20 | -12.1 | 87.6 | 81.4 | 78.4 | 3.02 | 26.982 | | |
| 1,000.0 | 999.8 | 941.8 | 941.8 | 1.7 | 1.6 | 42.54 | -12.1 | 87.6 | 79.3 | 76.0 | 3.37 | 23.546 | | |
| 1,100.0 | 1,099.8 | 1,041.8 | 1,041.8 | 1.9 | 1.8 | 43.95 | -12.1 | 87.6 | 77.3 | 73.6 | 3.72 | 20.769 | | |
| 1,200.0 | 1,199.8 | 1,141.8 | 1,141.8 | 2.1 | 2.0 | 45.43 | -12.1 | 87.6 | 75.3 | 71.2 | 4.07 | 18.482 | | |
| 1,300.0 | 1,299.7 | 1,241.7 | 1,241.7 | 2.3 | 2.2 | 47.00 | -12.1 | 87.6 | 73.3 | 68.9 | 4.43 | 16.569 | | |
| 1,400.0 | 1,399.7 | 1,341.7 | 1,341.7 | 2.5 | 2.3 | 48.65 | -12.1 | 87.6 | 71.5 | 66.7 | 4.78 | 14.949 | | |
| 1,500.0 | 1,499.6 | 1,441.6 | 1,441.6 | 2.6 | 2.5 | 50.39 | -12.1 | 87.6 | 69.6 | 64.5 | 5.13 | 13.563 | | |
| 1,600.0 | 1,599.6 | 1,541.6 | 1,541.6 | 2.8 | 2.7 | 52.22 | -12.1 | 87.6 | 67.9 | 62.4 | 5.49 | 12.367 | | |
| 1,700.0 | 1,699.6 | 1,641.6 | 1,641.6 | 3.0 | 2.9 | 54.14 | -12.1 | 87.6 | 66.2 | 60.3 | 5.84 | 11.328 | | |
| 1,800.0 | 1,799.5 | 1,741.5 | 1,741.5 | 3.2 | 3.0 | 56.17 | -12.1 | 87.6 | 64.6 | 58.4 | 6.20 | 10.419 | | |
| 1,900.0 | 1,899.5 | 1,841.5 | 1,841.5 | 3.4 | 3.2 | 58.29 | -12.1 | 87.6 | 63.0 | 56.5 | 6.55 | 9.621 | | |
| 2,000.0 | 1,999.4 | 1,941.4 | 1,941.4 | 3.5 | 3.4 | 60.52 | -12.1 | 87.6 | 61.6 | 54.7 | 6.91 | 8.918 | | |
| 2,100.0 | 2,099.4 | 2,041.4 | 2,041.4 | 3.7 | 3.6 | 62.85 | -12.1 | 87.6 | 60.3 | 53.0 | 7.27 | 8.296 | | |
| 2,200.0 | 2,199.4 | 2,141.4 | 2,141.4 | 3.9 | 3.7 | 65.28 | -12.1 | 87.6 | 59.0 | 51.4 | 7.62 | 7.746 | | |
| 2,300.0 | 2,299.3 | 2,241.3 | 2,241.3 | 4.1 | 3.9 | 67.81 | -12.1 | 87.6 | 57.9 | 49.9 | 7.98 | 7.259 | | |
| 2,400.0 | 2,399.3 | 2,341.3 | 2,341.3 | 4.3 | 4.1 | 70.43 | -12.1 | 87.6 | 56.9 | 48.6 | 8.34 | 6.827 | | |
| 2,500.0 | 2,499.3 | 2,441.3 | 2,441.3 | 4.4 | 4.3 | 73.14 | -12.1 | 87.6 | 56.0 | 47.3 | 8.70 | 6.445 | | |
| 2,600.0 | 2,599.2 | 2,541.2 | 2,541.2 | 4.6 | 4.4 | 75.93 | -12.1 | 87.6 | 55.3 | 46.2 | 9.05 | 6.107 | | |
| 2,700.0 | 2,699.2 | 2,641.2 | 2,641.2 | 4.8 | 4.6 | 78.79 | -12.1 | 87.6 | 54.7 | 45.3 | 9.41 | 5.810 | | |
| 2,800.0 | 2,799.1 | 2,741.1 | 2,741.1 | 5.0 | 4.8 | 81.71 | -12.1 | 87.6 | 54.2 | 44.4 | 9.77 | 5.548 | | |
| 2,900.0 | 2,899.1 | 2,841.1 | 2,841.1 | 5.2 | 5.0 | 84.67 | -12.1 | 87.6 | 53.9 | 43.7 | 10.12 | 5.320 | | |
| 3,000.0 | 2,999.1 | 2,941.1 | 2,941.1 | 5.3 | 5.1 | 87.67 | -12.1 | 87.6 | 53.7 | 43.2 | 10.48 | 5.121 | | |
| 3,077.7 | 3,076.7 | 3,018.7 | 3,018.7 | 5.5 | 5.3 | 90.00 | -12.1 | 87.6 | 53.6 | 42.9 | 10.76 | 4.985 CC | | |
| 3,100.0 | 3,099.0 | 3,041.0 | 3,041.0 | 5.5 | 5.3 | 90.67 | -12.1 | 87.6 | 53.6 | 42.8 | 10.84 | 4.949 | | |
| 3,200.0 | 3,199.0 | 3,141.0 | 3,141.0 | 5.7 | 5.5 | 93.67 | -12.1 | 87.6 | 53.7 | 42.5 | 11.19 | 4.801 | | |
| 3,300.0 | 3,298.9 | 3,240.9 | 3,240.9 | 5.9 | 5.7 | 96.65 | -12.1 | 87.6 | 54.0 | 42.4 | 11.55 | 4.676 ES | | |
| 3,400.0 | 3,398.9 | 3,340.9 | 3,340.9 | 6.1 | 5.8 | 99.60 | -12.1 | 87.6 | 54.4 | 42.5 | 11.90 | 4.571 | | |
| 3,500.0 | 3,498.9 | 3,440.9 | 3,440.9 | 6.3 | 6.0 | 102.49 | -12.1 | 87.6 | 54.9 | 42.7 | 12.25 | 4.483 | | |
| 3,600.0 | 3,598.8 | 3,540.8 | 3,540.8 | 6.4 | 6.2 | 105.32 | -12.1 | 87.6 | 55.6 | 43.0 | 12.60 | 4.412 | | |
| 3,700.0 | 3,698.8 | 3,640.8 | 3,640.8 | 6.6 | 6.4 | 108.08 | -12.1 | 87.6 | 56.4 | 43.5 | 12.95 | 4.355 | | |
| 3,800.0 | 3,798.7 | 3,740.7 | 3,740.7 | 6.8 | 6.5 | 110.75 | -12.1 | 87.6 | 57.4 | 44.0 | 13.30 | 4.311 | | |
| 3,900.0 | 3,898.7 | 3,840.7 | 3,840.7 | 7.0 | 6.7 | 113.33 | -12.1 | 87.6 | 58.4 | 44.8 | 13.65 | 4.279 | | |
| 4,000.0 | 3,998.7 | 3,940.7 | 3,940.7 | 7.2 | 6.9 | 115.82 | -12.1 | 87.6 | 59.6 | 45.6 | 14.00 | 4.256 | | |
| 4,100.0 | 4,098.6 | 4,040.6 | 4,040.6 | 7.3 | 7.1 | 118.20 | -12.1 | 87.6 | 60.9 | 46.5 | 14.35 | 4.242 | | |
| 4,200.0 | 4,198.6 | 4,140.6 | 4,140.6 | 7.5 | 7.2 | 120.49 | -12.1 | 87.6 | 62.2 | 47.5 | 14.69 | 4.236 | | |
| 4,300.0 | 4,298.5 | 4,240.5 | 4,240.5 | 7.7 | 7.4 | 122.67 | -12.1 | 87.6 | 63.7 | 48.7 | 15.04 | 4.236 | | |
| 4,400.0 | 4,398.5 | 4,340.5 | 4,340.5 | 7.9 | 7.6 | 124.75 | -12.1 | 87.6 | 65.3 | 49.9 | 15.39 | 4.243 | | |
| 4,500.0 | 4,498.5 | 4,440.5 | 4,440.5 | 8.1 | 7.8 | 126.73 | -12.1 | 87.6 | 66.9 | 51.2 | 15.73 | 4.254 | | |
| 4,600.0 | 4,598.4 | 4,540.4 | 4,540.4 | 8.2 | 7.9 | 128.61 | -12.1 | 87.6 | 68.6 | 52.6 | 16.08 | 4.270 | | |
| 4,700.0 | 4,698.4 | 4,640.4 | 4,640.4 | 8.4 | 8.1 | 130.40 | -12.1 | 87.6 | 70.4 | 54.0 | 16.42 | 4.289 | | |
| 4,800.0 | 4,798.3 | 4,740.3 | 4,740.3 | 8.6 | 8.3 | 132.10 | -12.1 | 87.6 | 72.3 | 55.5 | 16.77 | 4.311 | | |
| 4,900.0 | 4,898.3 | 4,840.3 | 4,840.3 | 8.8 | 8.4 | 133.71 | -12.1 | 87.6 | 74.2 | 57.1 | 17.11 | 4.336 | | |
| 5,000.0 | 4,998.3 | 4,940.3 | 4,940.3 | 9.0 | 8.6 | 135.24 | -12.1 | 87.6 | 76.2 | 58.7 | 17.46 | 4.363 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - CANINO 3 (EXISTING) - HUGHES CW WELL - NO SURVEYS | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|----------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|----------|--------------------|--------|
| Survey Program: 7800-Geolink 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 | | | |
| 5,100.0 | 5,098.2 | 5,040.2 | 5,040.2 | 9.2 | 8.8 | 136.69 | -12.1 | 87.6 | 78.2 | 60.4 | 17.80 | 4.393 | | |
| 5,200.0 | 5,198.2 | 5,140.2 | 5,140.2 | 9.3 | 9.0 | 138.07 | -12.1 | 87.6 | 80.3 | 62.1 | 18.15 | 4.423 | | |
| 5,300.0 | 5,298.1 | 5,240.1 | 5,240.1 | 9.5 | 9.1 | 139.38 | -12.1 | 87.6 | 82.4 | 63.9 | 18.49 | 4.455 | | |
| 5,400.0 | 5,398.1 | 5,340.1 | 5,340.1 | 9.7 | 9.3 | 140.62 | -12.1 | 87.6 | 84.5 | 65.7 | 18.84 | 4.488 | | |
| 5,500.0 | 5,498.1 | 5,440.1 | 5,440.1 | 9.9 | 9.5 | 141.80 | -12.1 | 87.6 | 86.7 | 67.6 | 19.18 | 4.521 | | |
| 5,600.0 | 5,598.0 | 5,540.0 | 5,540.0 | 10.1 | 9.7 | 142.92 | -12.1 | 87.6 | 89.0 | 69.4 | 19.53 | 4.555 | | |
| 5,700.0 | 5,698.0 | 5,640.0 | 5,640.0 | 10.2 | 9.8 | 143.98 | -12.1 | 87.6 | 91.2 | 71.4 | 19.88 | 4.590 | | |
| 5,800.0 | 5,797.9 | 5,739.9 | 5,739.9 | 10.4 | 10.0 | 145.00 | -12.1 | 87.6 | 93.5 | 73.3 | 20.22 | 4.625 | | |
| 5,900.0 | 5,897.9 | 5,839.9 | 5,839.9 | 10.6 | 10.2 | 145.96 | -12.1 | 87.6 | 95.8 | 75.3 | 20.57 | 4.660 | | |
| 6,000.0 | 5,997.9 | 5,939.9 | 5,939.9 | 10.8 | 10.4 | 146.88 | -12.1 | 87.6 | 98.2 | 77.3 | 20.91 | 4.695 | | |
| 6,100.0 | 6,097.8 | 6,039.8 | 6,039.8 | 11.0 | 10.5 | 147.76 | -12.1 | 87.6 | 100.6 | 79.3 | 21.26 | 4.730 | | |
| 6,200.0 | 6,197.8 | 6,139.8 | 6,139.8 | 11.1 | 10.7 | 148.59 | -12.1 | 87.6 | 102.9 | 81.3 | 21.61 | 4.765 | | |
| 6,300.0 | 6,297.7 | 6,239.7 | 6,239.7 | 11.3 | 10.9 | 149.39 | -12.1 | 87.6 | 105.4 | 83.4 | 21.95 | 4.799 | | |
| 6,400.0 | 6,397.7 | 6,339.7 | 6,339.7 | 11.5 | 11.1 | 150.15 | -12.1 | 87.6 | 107.8 | 85.5 | 22.30 | 4.834 | | |
| 6,500.0 | 6,497.7 | 6,439.7 | 6,439.7 | 11.7 | 11.2 | 150.88 | -12.1 | 87.6 | 110.2 | 87.6 | 22.65 | 4.868 | | |
| 6,600.0 | 6,597.6 | 6,539.6 | 6,539.6 | 11.9 | 11.4 | 151.58 | -12.1 | 87.6 | 112.7 | 89.7 | 22.99 | 4.902 | | |
| 6,700.0 | 6,697.6 | 6,639.6 | 6,639.6 | 12.1 | 11.6 | 152.24 | -12.1 | 87.6 | 115.2 | 91.9 | 23.34 | 4.936 | | |
| 6,800.0 | 6,797.5 | 6,739.5 | 6,739.5 | 12.2 | 11.8 | 152.88 | -12.1 | 87.6 | 117.7 | 94.0 | 23.69 | 4.969 | | |
| 6,900.0 | 6,897.5 | 6,839.5 | 6,839.5 | 12.4 | 11.9 | 53.45 | -12.1 | 87.6 | 118.5 | 94.4 | 24.01 | 4.934 | | |
| 7,000.0 | 6,996.1 | 6,938.1 | 6,938.1 | 12.5 | 12.1 | 46.95 | -12.1 | 87.6 | 107.3 | 83.2 | 24.11 | 4.453 | | |
| 7,100.0 | 7,090.4 | 7,032.4 | 7,032.4 | 12.7 | 12.3 | 61.24 | -12.1 | 87.6 | 87.1 | 62.7 | 24.32 | 3.580 | | |
| 7,195.6 | 7,174.0 | 7,116.0 | 7,116.0 | 12.9 | 12.4 | 90.00 | -12.1 | 87.6 | 74.1 | 49.2 | 24.96 | 2.970 SF | | |
| 7,200.0 | 7,177.6 | 7,119.6 | 7,119.6 | 12.9 | 12.4 | 91.54 | -12.1 | 87.6 | 74.2 | 49.2 | 24.98 | 2.970 | | |
| 7,300.0 | 7,255.0 | 7,197.0 | 7,197.0 | 13.1 | 12.6 | 121.92 | -12.1 | 87.6 | 98.6 | 74.4 | 24.18 | 4.078 | | |
| 7,400.0 | 7,320.4 | 7,262.4 | 7,262.4 | 13.5 | 12.7 | 137.40 | -12.1 | 87.6 | 158.6 | 136.1 | 22.50 | 7.049 | | |
| 7,500.0 | 7,371.6 | 7,313.6 | 7,313.6 | 14.1 | 12.8 | 142.14 | -12.1 | 87.6 | 237.5 | 216.1 | 21.41 | 11.093 | | |
| 7,600.0 | 7,407.2 | 7,349.2 | 7,349.2 | 14.9 | 12.8 | 138.24 | -12.1 | 87.6 | 327.2 | 305.3 | 21.94 | 14.911 | | |
| 7,700.0 | 7,426.0 | 7,368.0 | 7,368.0 | 15.8 | 12.9 | 118.21 | -12.1 | 87.6 | 423.1 | 396.9 | 26.14 | 16.183 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - FOSTER 33-5 (EXISTING) - ENCANA WELL - SURVEYS | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|-------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|---------------------------|---------|
| Survey Program: 102-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 | |
| 10,800.0 | 7,429.0 | 7,731.1 | 7,478.2 | 64.9 | 30.6 | 94.00 | -3,958.5 | 64.8 | 443.3 | 350.4 | 92.92 | 4.770 | |
| 10,900.0 | 7,429.0 | 7,729.0 | 7,476.1 | 66.6 | 30.6 | 92.83 | -3,958.6 | 64.9 | 346.8 | 252.1 | 94.75 | 3.660 | |
| 11,000.0 | 7,429.0 | 7,726.9 | 7,474.0 | 68.3 | 30.6 | 91.68 | -3,958.6 | 64.9 | 253.1 | 156.5 | 96.55 | 2.621 | |
| 11,100.0 | 7,429.0 | 7,724.9 | 7,472.0 | 70.0 | 30.6 | 90.56 | -3,958.7 | 64.9 | 166.8 | 68.5 | 98.31 | 1.696 | |
| 11,200.0 | 7,429.0 | 7,722.9 | 7,470.0 | 71.7 | 30.6 | 89.47 | -3,958.7 | 65.0 | 107.6 | 7.5 | 100.04 | 1.075 Level 2 | |
| 11,231.3 | 7,429.0 | 7,722.3 | 7,469.4 | 72.3 | 30.6 | 89.13 | -3,958.7 | 65.0 | 102.9 | 2.4 | 100.58 | 1.023 Level 2, CC, ES, SF | |
| 11,300.0 | 7,429.0 | 7,721.0 | 7,468.1 | 73.5 | 30.6 | 88.40 | -3,958.7 | 65.0 | 123.8 | 22.0 | 101.74 | 1.217 Level 2 | |
| 11,400.0 | 7,429.0 | 7,719.1 | 7,466.2 | 75.2 | 30.6 | 87.35 | -3,958.8 | 65.0 | 197.6 | 94.2 | 103.40 | 1.911 | |
| 11,500.0 | 7,429.0 | 7,717.3 | 7,464.4 | 76.9 | 30.6 | 86.33 | -3,958.8 | 65.1 | 287.7 | 182.7 | 105.04 | 2.739 | |
| 11,600.0 | 7,429.0 | 7,715.5 | 7,462.6 | 78.7 | 30.6 | 85.34 | -3,958.8 | 65.1 | 382.8 | 276.1 | 106.64 | 3.589 | |
| 11,700.0 | 7,429.0 | 7,713.7 | 7,460.9 | 80.4 | 30.6 | 84.36 | -3,958.9 | 65.1 | 479.8 | 371.6 | 108.22 | 4.434 | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4A-32H-O268 - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|-----------|--------------------|--------|
| Survey Program: O-Geolink 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 | Factor | | |
| 0.0 | 0.0 | 1.0 | 1.0 | 0.0 | 0.0 | -89.69 | 0.1 | -10.0 | 10.0 | | | | | |
| 100.0 | 100.0 | 101.0 | 101.0 | 0.1 | 0.2 | -89.69 | 0.1 | -10.0 | 10.0 | 9.7 | 0.30 | 33.506 | | |
| 166.3 | 166.3 | 167.3 | 167.3 | 0.3 | 0.3 | -89.69 | 0.1 | -10.0 | 10.0 | 9.5 | 0.53 | 18.868 CC | | |
| 200.0 | 200.0 | 201.0 | 201.0 | 0.3 | 0.3 | -89.69 | 0.1 | -10.0 | 10.0 | 9.4 | 0.65 | 15.444 ES | | |
| 300.0 | 300.0 | 300.8 | 300.8 | 0.5 | 0.5 | -88.61 | 0.3 | -10.9 | 10.9 | 9.9 | 1.00 | 10.898 | | |
| 400.0 | 400.0 | 400.6 | 400.5 | 0.7 | 0.7 | -86.24 | 0.9 | -13.4 | 13.4 | 12.1 | 1.35 | 9.958 SF | | |
| 500.0 | 500.0 | 500.2 | 500.1 | 0.8 | 0.9 | -83.83 | 1.9 | -17.6 | 17.8 | 16.1 | 1.71 | 10.390 | | |
| 600.0 | 600.0 | 599.6 | 599.3 | 1.0 | 1.1 | -143.68 | 3.3 | -23.5 | 24.5 | 22.5 | 2.04 | 12.014 | | |
| 700.0 | 700.0 | 699.0 | 698.4 | 1.2 | 1.3 | -144.64 | 5.1 | -30.8 | 34.0 | 31.6 | 2.39 | 14.216 | | |
| 800.0 | 799.9 | 798.5 | 797.6 | 1.4 | 1.5 | -145.42 | 6.9 | -38.2 | 43.8 | 41.1 | 2.74 | 15.997 | | |
| 900.0 | 899.9 | 898.0 | 896.8 | 1.6 | 1.7 | -145.91 | 8.7 | -45.6 | 53.7 | 50.6 | 3.09 | 17.374 | | |
| 1,000.0 | 999.8 | 997.5 | 996.1 | 1.7 | 1.9 | -146.25 | 10.5 | -52.9 | 63.6 | 60.1 | 3.44 | 18.470 | | |
| 1,100.0 | 1,099.8 | 1,097.0 | 1,095.3 | 1.9 | 2.1 | -146.50 | 12.3 | -60.3 | 73.4 | 69.6 | 3.79 | 19.363 | | |
| 1,200.0 | 1,199.8 | 1,196.6 | 1,194.5 | 2.1 | 2.3 | -146.69 | 14.1 | -67.7 | 83.3 | 79.2 | 4.14 | 20.105 | | |
| 1,300.0 | 1,299.7 | 1,296.1 | 1,293.7 | 2.3 | 2.6 | -146.84 | 15.8 | -75.1 | 93.2 | 88.7 | 4.49 | 20.730 | | |
| 1,400.0 | 1,399.7 | 1,395.6 | 1,392.9 | 2.5 | 2.8 | -146.96 | 17.6 | -82.5 | 103.0 | 98.2 | 4.85 | 21.264 | | |
| 1,500.0 | 1,499.6 | 1,495.1 | 1,492.2 | 2.6 | 3.0 | -147.06 | 19.4 | -89.9 | 112.9 | 107.7 | 5.20 | 21.726 | | |
| 1,600.0 | 1,599.6 | 1,594.6 | 1,591.4 | 2.8 | 3.2 | -147.14 | 21.2 | -97.3 | 122.8 | 117.2 | 5.55 | 22.130 | | |
| 1,700.0 | 1,699.6 | 1,694.1 | 1,690.6 | 3.0 | 3.4 | -147.22 | 23.0 | -104.6 | 132.7 | 126.8 | 5.90 | 22.485 | | |
| 1,800.0 | 1,799.5 | 1,793.6 | 1,789.8 | 3.2 | 3.6 | -147.28 | 24.8 | -112.0 | 142.5 | 136.3 | 6.25 | 22.800 | | |
| 1,900.0 | 1,899.5 | 1,893.1 | 1,889.0 | 3.4 | 3.9 | -147.33 | 26.6 | -119.4 | 152.4 | 145.8 | 6.60 | 23.082 | | |
| 2,000.0 | 1,999.4 | 1,992.6 | 1,988.3 | 3.5 | 4.1 | -147.38 | 28.4 | -126.8 | 162.3 | 155.3 | 6.95 | 23.335 | | |
| 2,100.0 | 2,099.4 | 2,092.2 | 2,087.5 | 3.7 | 4.3 | -147.42 | 30.2 | -134.2 | 172.1 | 164.8 | 7.31 | 23.564 | | |
| 2,200.0 | 2,199.4 | 2,191.7 | 2,186.7 | 3.9 | 4.5 | -147.46 | 32.0 | -141.6 | 182.0 | 174.4 | 7.66 | 23.771 | | |
| 2,300.0 | 2,299.3 | 2,291.2 | 2,285.9 | 4.1 | 4.7 | -147.49 | 33.8 | -148.9 | 191.9 | 183.9 | 8.01 | 23.961 | | |
| 2,400.0 | 2,399.3 | 2,390.7 | 2,385.1 | 4.3 | 4.9 | -147.52 | 35.5 | -156.3 | 201.8 | 193.4 | 8.36 | 24.134 | | |
| 2,500.0 | 2,499.3 | 2,490.2 | 2,484.4 | 4.4 | 5.2 | -147.55 | 37.3 | -163.7 | 211.6 | 202.9 | 8.71 | 24.294 | | |
| 2,600.0 | 2,599.2 | 2,589.7 | 2,583.6 | 4.6 | 5.4 | -147.57 | 39.1 | -171.1 | 221.5 | 212.4 | 9.06 | 24.441 | | |
| 2,700.0 | 2,699.2 | 2,689.2 | 2,682.8 | 4.8 | 5.6 | -147.60 | 40.9 | -178.5 | 231.4 | 222.0 | 9.41 | 24.577 | | |
| 2,800.0 | 2,799.1 | 2,788.7 | 2,782.0 | 5.0 | 5.8 | -147.62 | 42.7 | -185.9 | 241.2 | 231.5 | 9.77 | 24.703 | | |
| 2,900.0 | 2,899.1 | 2,888.3 | 2,881.3 | 5.2 | 6.0 | -147.64 | 44.5 | -193.3 | 251.1 | 241.0 | 10.12 | 24.820 | | |
| 3,000.0 | 2,999.1 | 2,987.8 | 2,980.5 | 5.3 | 6.3 | -147.65 | 46.3 | -200.6 | 261.0 | 250.5 | 10.47 | 24.930 | | |
| 3,100.0 | 3,099.0 | 3,087.3 | 3,079.7 | 5.5 | 6.5 | -147.67 | 48.1 | -208.0 | 270.8 | 260.0 | 10.82 | 25.032 | | |
| 3,200.0 | 3,199.0 | 3,186.8 | 3,178.9 | 5.7 | 6.7 | -147.68 | 49.9 | -215.4 | 280.7 | 269.5 | 11.17 | 25.128 | | |
| 3,300.0 | 3,298.9 | 3,286.3 | 3,278.1 | 5.9 | 6.9 | -147.70 | 51.7 | -222.8 | 290.6 | 279.1 | 11.52 | 25.218 | | |
| 3,400.0 | 3,398.9 | 3,385.8 | 3,377.4 | 6.1 | 7.1 | -147.71 | 53.5 | -230.2 | 300.5 | 288.6 | 11.87 | 25.303 | | |
| 3,500.0 | 3,498.9 | 3,485.3 | 3,476.6 | 6.3 | 7.3 | -147.72 | 55.2 | -237.6 | 310.3 | 298.1 | 12.23 | 25.383 | | |
| 3,600.0 | 3,598.8 | 3,584.8 | 3,575.8 | 6.4 | 7.6 | -147.74 | 57.0 | -244.9 | 320.2 | 307.6 | 12.58 | 25.458 | | |
| 3,700.0 | 3,698.8 | 3,684.3 | 3,675.0 | 6.6 | 7.8 | -147.75 | 58.8 | -252.3 | 330.1 | 317.1 | 12.93 | 25.529 | | |
| 3,800.0 | 3,798.7 | 3,783.9 | 3,774.2 | 6.8 | 8.0 | -147.76 | 60.6 | -259.7 | 339.9 | 326.7 | 13.28 | 25.597 | | |
| 3,900.0 | 3,898.7 | 3,883.4 | 3,873.5 | 7.0 | 8.2 | -147.77 | 62.4 | -267.1 | 349.8 | 336.2 | 13.63 | 25.661 | | |
| 4,000.0 | 3,998.7 | 3,982.9 | 3,972.7 | 7.2 | 8.4 | -147.78 | 64.2 | -274.5 | 359.7 | 345.7 | 13.98 | 25.722 | | |
| 4,100.0 | 4,098.6 | 4,082.4 | 4,071.9 | 7.3 | 8.7 | -147.79 | 66.0 | -281.9 | 369.6 | 355.2 | 14.34 | 25.780 | | |
| 4,200.0 | 4,198.6 | 4,181.9 | 4,171.1 | 7.5 | 8.9 | -147.79 | 67.8 | -289.3 | 379.4 | 364.7 | 14.69 | 25.835 | | |
| 4,300.0 | 4,298.5 | 4,281.4 | 4,270.3 | 7.7 | 9.1 | -147.80 | 69.6 | -296.6 | 389.3 | 374.3 | 15.04 | 25.887 | | |
| 4,400.0 | 4,398.5 | 4,380.9 | 4,369.6 | 7.9 | 9.3 | -147.81 | 71.4 | -304.0 | 399.2 | 383.8 | 15.39 | 25.937 | | |
| 4,500.0 | 4,498.5 | 4,480.4 | 4,468.8 | 8.1 | 9.5 | -147.82 | 73.2 | -311.4 | 409.0 | 393.3 | 15.74 | 25.985 | | |
| 4,600.0 | 4,598.4 | 4,579.9 | 4,568.0 | 8.2 | 9.8 | -147.82 | 74.9 | -318.8 | 418.9 | 402.8 | 16.09 | 26.031 | | |
| 4,700.0 | 4,698.4 | 4,679.5 | 4,667.2 | 8.4 | 10.0 | -147.83 | 76.7 | -326.2 | 428.8 | 412.3 | 16.44 | 26.074 | | |
| 4,800.0 | 4,798.3 | 4,779.0 | 4,766.5 | 8.6 | 10.2 | -147.84 | 78.5 | -333.6 | 438.7 | 421.9 | 16.80 | 26.116 | | |
| 4,900.0 | 4,898.3 | 4,878.5 | 4,865.7 | 8.8 | 10.4 | -147.84 | 80.3 | -340.9 | 448.5 | 431.4 | 17.15 | 26.157 | | |
| 5,000.0 | 4,998.3 | 4,978.0 | 4,964.9 | 9.0 | 10.6 | -147.85 | 82.1 | -348.3 | 458.4 | 440.9 | 17.50 | 26.195 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | | | | | | | | | | | | | S32-T2N-R68W (File/Hwy 52) - Hwy 52 4A-32H-O268 - 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 | | | | Distance | | | | | | Warning | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | Between Centres | Between Ellipses | Total Uncertainty | Separation Factor | | | | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | Axis | | | | | | | |
| 5,100.0 | 5,098.2 | 5,077.5 | 5,064.1 | 9.2 | 10.8 | -147.85 | 83.9 | -355.7 | 468.3 | 450.4 | 17.85 | 26.232 | | | | | | |
| 5,200.0 | 5,198.2 | 5,177.0 | 5,163.3 | 9.3 | 11.1 | -147.86 | 85.7 | -363.1 | 478.1 | 459.9 | 18.20 | 26.268 | | | | | | |
| 5,300.0 | 5,298.1 | 5,276.5 | 5,262.6 | 9.5 | 11.3 | -147.86 | 87.5 | -370.5 | 488.0 | 469.5 | 18.55 | 26.302 | | | | | | |
| 5,400.0 | 5,398.1 | 5,376.0 | 5,361.8 | 9.7 | 11.5 | -147.87 | 89.3 | -377.9 | 497.9 | 479.0 | 18.91 | 26.335 | | | | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4B-32H-O268 - 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 | | 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 | Factor | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | -39.50 | 6.0 | -5.0 | 7.8 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | -39.50 | 6.0 | -5.0 | 7.8 | 7.5 | 0.30 | 26.323 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | -39.50 | 6.0 | -5.0 | 7.8 | 7.2 | 0.65 | 12.094 | CC, ES | |
| 300.0 | 300.0 | 299.9 | 299.9 | 0.5 | 0.5 | -42.09 | 6.4 | -5.8 | 8.6 | 7.6 | 0.99 | 8.642 | | |
| 400.0 | 400.0 | 399.7 | 399.6 | 0.7 | 0.7 | -47.60 | 7.4 | -8.1 | 11.0 | 9.7 | 1.35 | 8.200 | | |
| 500.0 | 500.0 | 499.5 | 499.4 | 0.8 | 0.9 | -52.44 | 9.0 | -11.8 | 14.9 | 13.2 | 1.70 | 8.737 | | |
| 600.0 | 600.0 | 599.4 | 599.2 | 1.0 | 1.0 | -118.20 | 10.7 | -15.5 | 19.2 | 17.2 | 2.04 | 9.418 | | |
| 700.0 | 700.0 | 699.2 | 699.0 | 1.2 | 1.2 | -124.68 | 12.3 | -19.2 | 24.6 | 22.2 | 2.39 | 10.282 | | |
| 800.0 | 799.9 | 799.1 | 798.7 | 1.4 | 1.4 | -129.30 | 14.0 | -22.9 | 30.3 | 27.6 | 2.74 | 11.070 | | |
| 900.0 | 899.9 | 898.9 | 898.4 | 1.6 | 1.6 | -132.44 | 15.6 | -26.6 | 36.2 | 33.2 | 3.09 | 11.720 | | |
| 1,000.0 | 999.8 | 998.7 | 998.1 | 1.7 | 1.8 | -134.69 | 17.3 | -30.3 | 42.2 | 38.8 | 3.44 | 12.259 | | |
| 1,100.0 | 1,099.8 | 1,098.5 | 1,097.9 | 1.9 | 2.0 | -136.38 | 18.9 | -34.0 | 48.2 | 44.4 | 3.80 | 12.711 | | |
| 1,200.0 | 1,199.8 | 1,198.3 | 1,197.6 | 2.1 | 2.2 | -137.70 | 20.6 | -37.7 | 54.3 | 50.2 | 4.15 | 13.093 | | |
| 1,300.0 | 1,299.7 | 1,298.1 | 1,297.3 | 2.3 | 2.4 | -138.75 | 22.2 | -41.4 | 60.4 | 55.9 | 4.50 | 13.420 | | |
| 1,400.0 | 1,399.7 | 1,397.9 | 1,397.1 | 2.5 | 2.5 | -139.61 | 23.9 | -45.1 | 66.5 | 61.6 | 4.85 | 13.703 | | |
| 1,500.0 | 1,499.6 | 1,497.7 | 1,496.8 | 2.6 | 2.7 | -140.33 | 25.5 | -48.9 | 72.6 | 67.4 | 5.20 | 13.949 | | |
| 1,600.0 | 1,599.6 | 1,597.5 | 1,596.5 | 2.8 | 2.9 | -140.93 | 27.2 | -52.6 | 78.7 | 73.1 | 5.56 | 14.167 | | |
| 1,700.0 | 1,699.6 | 1,697.3 | 1,696.2 | 3.0 | 3.1 | -141.45 | 28.8 | -56.3 | 84.8 | 78.9 | 5.91 | 14.359 | | |
| 1,800.0 | 1,799.5 | 1,797.2 | 1,796.0 | 3.2 | 3.3 | -141.89 | 30.5 | -60.0 | 91.0 | 84.7 | 6.26 | 14.531 | | |
| 1,900.0 | 1,899.5 | 1,897.0 | 1,895.7 | 3.4 | 3.5 | -142.28 | 32.1 | -63.7 | 97.1 | 90.5 | 6.61 | 14.685 | | |
| 2,000.0 | 1,999.4 | 1,996.8 | 1,995.4 | 3.5 | 3.7 | -142.63 | 33.8 | -67.4 | 103.2 | 96.3 | 6.96 | 14.824 | | |
| 2,100.0 | 2,099.4 | 2,096.6 | 2,095.1 | 3.7 | 3.9 | -142.93 | 35.4 | -71.1 | 109.4 | 102.1 | 7.32 | 14.949 | | |
| 2,200.0 | 2,199.4 | 2,196.4 | 2,194.9 | 3.9 | 4.0 | -143.21 | 37.1 | -74.8 | 115.5 | 107.9 | 7.67 | 15.064 | | |
| 2,300.0 | 2,299.3 | 2,296.2 | 2,294.6 | 4.1 | 4.2 | -143.45 | 38.7 | -78.5 | 121.7 | 113.7 | 8.02 | 15.169 | | |
| 2,400.0 | 2,399.3 | 2,396.0 | 2,394.3 | 4.3 | 4.4 | -143.67 | 40.4 | -82.2 | 127.8 | 119.4 | 8.37 | 15.265 | | |
| 2,500.0 | 2,499.3 | 2,495.8 | 2,494.1 | 4.4 | 4.6 | -143.87 | 42.0 | -85.9 | 134.0 | 125.2 | 8.73 | 15.354 | | |
| 2,600.0 | 2,599.2 | 2,595.6 | 2,593.8 | 4.6 | 4.8 | -144.06 | 43.7 | -89.6 | 140.1 | 131.0 | 9.08 | 15.436 | | |
| 2,700.0 | 2,699.2 | 2,695.4 | 2,693.5 | 4.8 | 5.0 | -144.23 | 45.3 | -93.4 | 146.3 | 136.9 | 9.43 | 15.512 | | |
| 2,800.0 | 2,799.1 | 2,795.2 | 2,793.2 | 5.0 | 5.2 | -144.38 | 47.0 | -97.1 | 152.4 | 142.7 | 9.78 | 15.583 | | |
| 2,900.0 | 2,899.1 | 2,895.1 | 2,893.0 | 5.2 | 5.4 | -144.52 | 48.6 | -100.8 | 158.6 | 148.5 | 10.13 | 15.649 | | |
| 3,000.0 | 2,999.1 | 2,994.9 | 2,992.7 | 5.3 | 5.5 | -144.66 | 50.2 | -104.5 | 164.8 | 154.3 | 10.49 | 15.710 | | |
| 3,100.0 | 3,099.0 | 3,094.7 | 3,092.4 | 5.5 | 5.7 | -144.78 | 51.9 | -108.2 | 170.9 | 160.1 | 10.84 | 15.768 | | |
| 3,200.0 | 3,199.0 | 3,194.5 | 3,192.1 | 5.7 | 5.9 | -144.89 | 53.5 | -111.9 | 177.1 | 165.9 | 11.19 | 15.822 | | |
| 3,300.0 | 3,298.9 | 3,294.3 | 3,291.9 | 5.9 | 6.1 | -145.00 | 55.2 | -115.6 | 183.2 | 171.7 | 11.54 | 15.872 | | |
| 3,400.0 | 3,398.9 | 3,394.1 | 3,391.6 | 6.1 | 6.3 | -145.10 | 56.8 | -119.3 | 189.4 | 177.5 | 11.90 | 15.920 | | |
| 3,500.0 | 3,498.9 | 3,493.9 | 3,491.3 | 6.3 | 6.5 | -145.19 | 58.5 | -123.0 | 195.6 | 183.3 | 12.25 | 15.965 | | |
| 3,600.0 | 3,598.8 | 3,593.7 | 3,591.0 | 6.4 | 6.7 | -145.28 | 60.1 | -126.7 | 201.7 | 189.1 | 12.60 | 16.008 | | |
| 3,700.0 | 3,698.8 | 3,693.5 | 3,690.8 | 6.6 | 6.9 | -145.36 | 61.8 | -130.4 | 207.9 | 194.9 | 12.95 | 16.048 | | |
| 3,800.0 | 3,798.7 | 3,793.3 | 3,790.5 | 6.8 | 7.1 | -145.44 | 63.4 | -134.2 | 214.0 | 200.7 | 13.31 | 16.086 | | |
| 3,900.0 | 3,898.7 | 3,893.2 | 3,890.2 | 7.0 | 7.2 | -145.51 | 65.1 | -137.9 | 220.2 | 206.5 | 13.66 | 16.122 | | |
| 4,000.0 | 3,998.7 | 3,993.0 | 3,990.0 | 7.2 | 7.4 | -145.58 | 66.7 | -141.6 | 226.4 | 212.4 | 14.01 | 16.157 | | |
| 4,100.0 | 4,098.6 | 4,092.8 | 4,089.7 | 7.3 | 7.6 | -145.65 | 68.4 | -145.3 | 232.5 | 218.2 | 14.36 | 16.190 | | |
| 4,200.0 | 4,198.6 | 4,192.6 | 4,189.4 | 7.5 | 7.8 | -145.71 | 70.0 | -149.0 | 238.7 | 224.0 | 14.72 | 16.221 | | |
| 4,300.0 | 4,298.5 | 4,292.4 | 4,289.1 | 7.7 | 8.0 | -145.77 | 71.7 | -152.7 | 244.9 | 229.8 | 15.07 | 16.251 | | |
| 4,400.0 | 4,398.5 | 4,392.2 | 4,388.9 | 7.9 | 8.2 | -145.82 | 73.3 | -156.4 | 251.0 | 235.6 | 15.42 | 16.279 | | |
| 4,500.0 | 4,498.5 | 4,492.0 | 4,488.6 | 8.1 | 8.4 | -145.88 | 75.0 | -160.1 | 257.2 | 241.4 | 15.77 | 16.306 | | |
| 4,600.0 | 4,598.4 | 4,591.8 | 4,588.3 | 8.2 | 8.6 | -145.93 | 76.6 | -163.8 | 263.4 | 247.2 | 16.12 | 16.332 | | |
| 4,700.0 | 4,698.4 | 4,691.6 | 4,688.0 | 8.4 | 8.7 | -145.98 | 78.3 | -167.5 | 269.5 | 253.0 | 16.48 | 16.357 | | |
| 4,800.0 | 4,798.3 | 4,791.4 | 4,787.8 | 8.6 | 8.9 | -146.02 | 79.9 | -171.2 | 275.7 | 258.9 | 16.83 | 16.381 | | |
| 4,900.0 | 4,898.3 | 4,891.2 | 4,887.5 | 8.8 | 9.1 | -146.07 | 81.6 | -174.9 | 281.8 | 264.7 | 17.18 | 16.404 | | |
| 5,000.0 | 4,998.3 | 4,991.1 | 4,987.2 | 9.0 | 9.3 | -146.11 | 83.2 | -178.7 | 288.0 | 270.5 | 17.53 | 16.426 | | |
| 5,100.0 | 5,098.2 | 5,090.9 | 5,087.0 | 9.2 | 9.5 | -146.15 | 84.9 | -182.4 | 294.2 | 276.3 | 17.89 | 16.447 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4B-32H-O268 - 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 | | | Distance | | | | Total Uncertainty Axis | Separation Factor | 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) | | | | |
| 5,200.0 | 5,198.2 | 5,190.7 | 5,186.7 | 9.3 | 9.7 | -146.19 | 86.5 | -186.1 | 300.3 | 282.1 | 18.24 | 16.467 | | |
| 5,300.0 | 5,298.1 | 5,290.5 | 5,286.4 | 9.5 | 9.9 | -146.23 | 88.2 | -189.8 | 306.5 | 287.9 | 18.59 | 16.487 | | |
| 5,400.0 | 5,398.1 | 5,390.3 | 5,386.1 | 9.7 | 10.1 | -146.26 | 89.8 | -193.5 | 312.7 | 293.7 | 18.94 | 16.506 | | |
| 5,500.0 | 5,498.1 | 5,490.1 | 5,485.9 | 9.9 | 10.2 | -146.30 | 91.4 | -197.2 | 318.8 | 299.5 | 19.30 | 16.524 | | |
| 5,600.0 | 5,598.0 | 5,589.9 | 5,585.6 | 10.1 | 10.4 | -146.33 | 93.1 | -200.9 | 325.0 | 305.4 | 19.65 | 16.541 | | |
| 5,700.0 | 5,698.0 | 5,689.7 | 5,685.3 | 10.2 | 10.6 | -146.36 | 94.7 | -204.6 | 331.2 | 311.2 | 20.00 | 16.558 | | |
| 5,800.0 | 5,797.9 | 5,789.5 | 5,785.0 | 10.4 | 10.8 | -146.39 | 96.4 | -208.3 | 337.3 | 317.0 | 20.35 | 16.574 | | |
| 5,900.0 | 5,897.9 | 5,889.3 | 5,884.8 | 10.6 | 11.0 | -146.42 | 98.0 | -212.0 | 343.5 | 322.8 | 20.71 | 16.590 | | |
| 6,000.0 | 5,997.9 | 5,989.2 | 5,984.5 | 10.8 | 11.2 | -146.45 | 99.7 | -215.7 | 349.7 | 328.6 | 21.06 | 16.605 | | |
| 6,100.0 | 6,097.8 | 6,089.0 | 6,084.2 | 11.0 | 11.4 | -146.48 | 101.3 | -219.4 | 355.8 | 334.4 | 21.41 | 16.620 | | |
| 6,200.0 | 6,197.8 | 6,188.8 | 6,183.9 | 11.1 | 11.6 | -146.51 | 103.0 | -223.2 | 362.0 | 340.2 | 21.76 | 16.634 | | |
| 6,300.0 | 6,297.7 | 6,288.6 | 6,283.7 | 11.3 | 11.8 | -146.53 | 104.6 | -226.9 | 368.2 | 346.1 | 22.12 | 16.648 | | |
| 6,400.0 | 6,397.7 | 6,388.4 | 6,383.4 | 11.5 | 11.9 | -146.56 | 106.3 | -230.6 | 374.3 | 351.9 | 22.47 | 16.662 | | |
| 6,500.0 | 6,497.7 | 6,488.2 | 6,483.1 | 11.7 | 12.1 | -146.58 | 107.9 | -234.3 | 380.5 | 357.7 | 22.82 | 16.674 | | |
| 6,600.0 | 6,597.6 | 6,588.0 | 6,582.9 | 11.9 | 12.3 | -146.60 | 109.6 | -238.0 | 386.7 | 363.5 | 23.17 | 16.687 | | |
| 6,700.0 | 6,697.6 | 6,687.8 | 6,682.6 | 12.1 | 12.5 | -146.63 | 111.2 | -241.7 | 392.8 | 369.3 | 23.52 | 16.699 | | |
| 6,800.0 | 6,797.5 | 6,787.6 | 6,782.3 | 12.2 | 12.7 | -146.65 | 112.9 | -245.4 | 399.0 | 375.1 | 23.88 | 16.711 | | |
| 6,900.0 | 6,897.5 | 6,887.4 | 6,882.0 | 12.4 | 12.9 | -146.66 | 114.5 | -249.1 | 405.3 | 381.1 | 24.22 | 16.738 | | |
| 7,000.0 | 6,996.1 | 6,985.5 | 6,980.0 | 12.5 | 13.1 | -146.67 | 116.1 | -252.8 | 413.0 | 388.5 | 24.50 | 16.858 | | |
| 7,100.0 | 7,090.4 | 7,079.1 | 7,073.6 | 12.7 | 13.2 | -146.68 | 117.7 | -256.2 | 424.0 | 399.2 | 24.72 | 17.151 | | |
| 7,200.0 | 7,177.6 | 7,174.9 | 7,169.3 | 12.9 | 13.4 | -146.69 | 117.9 | -259.8 | 441.1 | 416.2 | 24.87 | 17.738 | | |
| 7,300.0 | 7,255.0 | 7,295.6 | 7,288.2 | 13.1 | 13.6 | -146.70 | 98.9 | -263.8 | 462.6 | 437.7 | 24.93 | 18.556 | | |
| 7,400.0 | 7,320.4 | 7,436.6 | 7,418.3 | 13.5 | 13.8 | -146.71 | 45.9 | -267.7 | 485.4 | 460.4 | 24.98 | 19.432 | | |
| 9,200.0 | 7,429.0 | 9,525.4 | 7,712.0 | 37.8 | 38.3 | -124.49 | -1,934.6 | -244.0 | 499.8 | 435.8 | 63.95 | 7.815 | | |
| 9,300.0 | 7,429.0 | 9,625.3 | 7,712.0 | 39.4 | 40.0 | -124.61 | -2,034.6 | -242.2 | 498.3 | 431.7 | 66.60 | 7.483 | | |
| 9,400.0 | 7,429.0 | 9,725.3 | 7,712.0 | 41.1 | 41.6 | -124.72 | -2,134.6 | -240.5 | 496.9 | 427.7 | 69.25 | 7.176 | | |
| 9,500.0 | 7,429.0 | 9,825.3 | 7,712.0 | 42.7 | 43.3 | -124.84 | -2,234.5 | -238.7 | 495.5 | 423.6 | 71.90 | 6.891 | | |
| 9,600.0 | 7,429.0 | 9,925.3 | 7,712.0 | 44.4 | 44.9 | -124.95 | -2,334.5 | -237.0 | 494.0 | 419.5 | 74.56 | 6.626 | | |
| 9,700.0 | 7,429.0 | 10,025.3 | 7,712.0 | 46.1 | 46.6 | -125.07 | -2,434.5 | -235.2 | 492.6 | 415.4 | 77.22 | 6.379 | | |
| 9,800.0 | 7,429.0 | 10,125.3 | 7,712.0 | 47.8 | 48.3 | -125.19 | -2,534.5 | -233.5 | 491.2 | 411.3 | 79.88 | 6.149 | | |
| 9,900.0 | 7,429.0 | 10,225.3 | 7,712.0 | 49.5 | 50.0 | -125.30 | -2,634.4 | -231.8 | 489.8 | 407.2 | 82.54 | 5.934 | | |
| 10,000.0 | 7,429.0 | 10,325.2 | 7,712.0 | 51.2 | 51.6 | -125.42 | -2,734.4 | -230.0 | 488.3 | 403.1 | 85.20 | 5.732 | | |
| 10,100.0 | 7,429.0 | 10,425.2 | 7,712.0 | 52.9 | 53.3 | -125.54 | -2,834.4 | -228.3 | 486.9 | 399.1 | 87.85 | 5.542 | | |
| 10,200.0 | 7,429.0 | 10,525.2 | 7,712.0 | 54.6 | 55.0 | -125.66 | -2,934.3 | -226.5 | 485.5 | 395.0 | 90.50 | 5.364 | | |
| 10,300.0 | 7,429.0 | 10,625.2 | 7,712.0 | 56.3 | 56.7 | -125.78 | -3,034.3 | -224.8 | 484.1 | 390.9 | 93.15 | 5.197 | | |
| 10,400.0 | 7,429.0 | 10,725.2 | 7,712.0 | 58.0 | 58.4 | -125.90 | -3,134.3 | -223.0 | 482.7 | 386.9 | 95.80 | 5.038 | | |
| 10,500.0 | 7,429.0 | 10,825.2 | 7,712.0 | 59.7 | 60.1 | -126.02 | -3,234.2 | -221.3 | 481.2 | 382.8 | 98.43 | 4.889 | | |
| 10,600.0 | 7,429.0 | 10,925.1 | 7,712.0 | 61.4 | 61.8 | -126.15 | -3,334.2 | -219.5 | 479.8 | 378.8 | 101.07 | 4.748 | | |
| 10,700.0 | 7,429.0 | 11,025.1 | 7,712.0 | 63.1 | 63.6 | -126.27 | -3,434.2 | -217.8 | 478.4 | 374.7 | 103.69 | 4.614 | | |
| 10,800.0 | 7,429.0 | 11,125.1 | 7,712.0 | 64.9 | 65.3 | -126.39 | -3,534.2 | -216.0 | 477.0 | 370.7 | 106.31 | 4.487 | | |
| 10,900.0 | 7,429.0 | 11,225.1 | 7,712.0 | 66.6 | 67.0 | -126.52 | -3,634.1 | -214.3 | 475.6 | 366.7 | 108.93 | 4.366 | | |
| 11,000.0 | 7,429.0 | 11,325.1 | 7,712.0 | 68.3 | 68.7 | -126.64 | -3,734.1 | -212.6 | 474.2 | 362.7 | 111.53 | 4.252 | | |
| 11,100.0 | 7,429.0 | 11,425.1 | 7,712.0 | 70.0 | 70.4 | -126.77 | -3,834.1 | -210.8 | 472.8 | 358.7 | 114.13 | 4.143 | | |
| 11,200.0 | 7,429.0 | 11,525.1 | 7,712.0 | 71.7 | 72.1 | -126.90 | -3,934.0 | -209.1 | 471.4 | 354.7 | 116.72 | 4.039 | | |
| 11,300.0 | 7,429.0 | 11,625.0 | 7,712.0 | 73.5 | 73.9 | -127.02 | -4,034.0 | -207.3 | 470.0 | 350.7 | 119.30 | 3.940 | | |
| 11,400.0 | 7,429.0 | 11,725.0 | 7,712.0 | 75.2 | 75.6 | -127.15 | -4,134.0 | -205.6 | 468.6 | 346.8 | 121.88 | 3.845 | | |
| 11,500.0 | 7,429.0 | 11,825.0 | 7,712.0 | 76.9 | 77.3 | -127.28 | -4,233.9 | -203.8 | 467.2 | 342.8 | 124.44 | 3.755 | | |
| 11,600.0 | 7,429.0 | 11,925.0 | 7,712.0 | 78.7 | 79.0 | -127.41 | -4,333.9 | -202.1 | 465.9 | 338.9 | 127.00 | 3.668 | | |
| 11,700.0 | 7,429.0 | 12,025.0 | 7,712.0 | 80.4 | 80.8 | -127.54 | -4,433.9 | -200.3 | 464.5 | 334.9 | 129.54 | 3.585 | | |
| 11,800.0 | 7,429.0 | 12,125.0 | 7,712.0 | 82.1 | 82.5 | -127.67 | -4,533.8 | -198.6 | 463.1 | 331.0 | 132.08 | 3.506 | | |
| 11,900.0 | 7,429.0 | 12,224.9 | 7,712.0 | 83.8 | 84.2 | -127.81 | -4,633.8 | -196.9 | 461.7 | 327.1 | 134.61 | 3.430 | | |
| 12,000.0 | 7,429.0 | 12,324.9 | 7,712.0 | 85.6 | 85.9 | -127.94 | -4,733.8 | -195.1 | 460.3 | 323.2 | 137.12 | 3.357 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | | | | | | | | | | | | | S32-T2N-R68W (File/Hwy 52) - Hwy 52 4B-32H-O268 - 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 | | | 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 | | | | | | |
| 12,100.0 | 7,429.0 | 12,424.9 | 7,712.0 | 87.3 | 87.7 | 128.07 | -4,833.8 | -193.4 | 459.0 | 319.3 | 139.63 | 3.287 | | | | | | |
| 12,200.0 | 7,429.0 | 12,524.9 | 7,712.0 | 89.1 | 89.4 | 128.21 | -4,933.7 | -191.6 | 457.6 | 315.5 | 142.12 | 3.220 | | | | | | |
| 12,300.0 | 7,429.0 | 12,624.9 | 7,712.0 | 90.8 | 91.1 | 128.34 | -5,033.7 | -189.9 | 456.2 | 311.6 | 144.61 | 3.155 | | | | | | |
| 12,400.0 | 7,429.0 | 12,724.9 | 7,712.0 | 92.5 | 92.9 | 128.48 | -5,133.7 | -188.1 | 454.8 | 307.8 | 147.08 | 3.092 | | | | | | |
| 12,500.0 | 7,429.0 | 12,824.9 | 7,712.0 | 94.3 | 94.6 | 128.62 | -5,233.6 | -186.4 | 453.5 | 303.9 | 149.54 | 3.032 | | | | | | |
| 12,600.0 | 7,429.0 | 12,924.8 | 7,712.0 | 96.0 | 96.3 | 128.76 | -5,333.6 | -184.6 | 452.1 | 300.1 | 151.99 | 2.975 | | | | | | |
| 12,700.0 | 7,429.0 | 13,024.8 | 7,712.0 | 97.7 | 98.1 | 128.89 | -5,433.6 | -182.9 | 450.8 | 296.3 | 154.43 | 2.919 | | | | | | |
| 12,758.7 | 7,429.0 | 13,081.0 | 7,712.0 | 98.8 | 99.1 | 128.97 | -5,489.8 | -181.9 | 450.0 | 294.1 | 155.83 | 2.888 SF | | | | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4D-32H-O268 - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|------------------------------|----------------------|---------|--------------|--------------------|--------|
| Survey Program: O-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 | 40.11 | 6.0 | 5.0 | 7.8 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 40.11 | 6.0 | 5.0 | 7.8 | 7.5 | 0.30 | 26.323 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 40.11 | 6.0 | 5.0 | 7.8 | 7.2 | 0.65 | 12.094 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 40.11 | 6.0 | 5.0 | 7.8 | 6.8 | 0.99 | 7.851 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.7 | 0.7 | 40.11 | 6.0 | 5.0 | 7.8 | 6.5 | 1.34 | 5.812 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 0.8 | 0.8 | 40.11 | 6.0 | 5.0 | 7.8 | 6.1 | 1.69 | 4.613 | | |
| 600.0 | 600.0 | 599.9 | 599.9 | 1.0 | 1.0 | -18.87 | 6.2 | 5.9 | 7.7 | 5.7 | 2.04 | 3.770 | | |
| 680.7 | 680.6 | 680.5 | 680.4 | 1.2 | 1.2 | -14.72 | 6.6 | 7.8 | 7.7 | 5.4 | 2.32 | 3.304 | | |
| 700.0 | 700.0 | 699.8 | 699.7 | 1.2 | 1.2 | -13.65 | 6.8 | 8.4 | 7.5 | 5.1 | 2.39 | 3.147 CC, ES | | |
| 800.0 | 799.9 | 799.6 | 799.5 | 1.4 | 1.4 | -3.87 | 7.8 | 12.6 | 8.7 | 6.0 | 2.74 | 3.178 | | |
| 900.0 | 899.9 | 899.4 | 899.1 | 1.6 | 1.6 | 5.22 | 9.2 | 18.6 | 11.8 | 8.7 | 3.09 | 3.818 | | |
| 1,000.0 | 999.8 | 999.2 | 998.6 | 1.7 | 1.8 | 10.91 | 11.0 | 25.8 | 16.4 | 12.9 | 3.44 | 4.764 | | |
| 1,100.0 | 1,099.8 | 1,099.1 | 1,098.2 | 1.9 | 2.0 | 14.11 | 12.8 | 33.1 | 21.1 | 17.4 | 3.79 | 5.583 | | |
| 1,200.0 | 1,199.8 | 1,199.0 | 1,197.8 | 2.1 | 2.2 | 16.12 | 14.5 | 40.4 | 26.0 | 21.8 | 4.14 | 6.273 | | |
| 1,300.0 | 1,299.7 | 1,298.9 | 1,297.4 | 2.3 | 2.4 | 17.51 | 16.3 | 47.7 | 30.8 | 26.3 | 4.49 | 6.860 | | |
| 1,400.0 | 1,399.7 | 1,398.7 | 1,397.0 | 2.5 | 2.6 | 18.52 | 18.1 | 55.0 | 35.6 | 30.8 | 4.84 | 7.364 | | |
| 1,500.0 | 1,499.6 | 1,498.6 | 1,496.6 | 2.6 | 2.8 | 19.28 | 19.8 | 62.3 | 40.5 | 35.3 | 5.19 | 7.802 | | |
| 1,600.0 | 1,599.6 | 1,598.5 | 1,596.2 | 2.8 | 3.0 | 19.89 | 21.6 | 69.6 | 45.3 | 39.8 | 5.54 | 8.185 | | |
| 1,700.0 | 1,699.6 | 1,698.4 | 1,695.8 | 3.0 | 3.2 | 20.37 | 23.4 | 76.9 | 50.2 | 44.3 | 5.89 | 8.523 | | |
| 1,800.0 | 1,799.5 | 1,798.3 | 1,795.4 | 3.2 | 3.4 | 20.77 | 25.1 | 84.2 | 55.0 | 48.8 | 6.24 | 8.823 | | |
| 1,900.0 | 1,899.5 | 1,898.1 | 1,895.0 | 3.4 | 3.7 | 21.11 | 26.9 | 91.5 | 59.9 | 53.3 | 6.59 | 9.092 | | |
| 2,000.0 | 1,999.4 | 1,998.0 | 1,994.6 | 3.5 | 3.9 | 21.39 | 28.7 | 98.7 | 64.8 | 57.8 | 6.94 | 9.334 | | |
| 2,100.0 | 2,099.4 | 2,097.9 | 2,094.2 | 3.7 | 4.1 | 21.64 | 30.4 | 106.0 | 69.6 | 62.4 | 7.29 | 9.552 | | |
| 2,200.0 | 2,199.4 | 2,197.8 | 2,193.8 | 3.9 | 4.3 | 21.85 | 32.2 | 113.3 | 74.5 | 66.9 | 7.64 | 9.751 | | |
| 2,300.0 | 2,299.3 | 2,297.7 | 2,293.4 | 4.1 | 4.5 | 22.04 | 34.0 | 120.6 | 79.4 | 71.4 | 7.99 | 9.932 | | |
| 2,400.0 | 2,399.3 | 2,397.6 | 2,393.0 | 4.3 | 4.7 | 22.20 | 35.7 | 127.9 | 84.3 | 75.9 | 8.34 | 10.098 | | |
| 2,500.0 | 2,499.3 | 2,497.4 | 2,492.6 | 4.4 | 5.0 | 22.35 | 37.5 | 135.2 | 89.1 | 80.4 | 8.69 | 10.251 | | |
| 2,600.0 | 2,599.2 | 2,597.3 | 2,592.2 | 4.6 | 5.2 | 22.48 | 39.3 | 142.5 | 94.0 | 85.0 | 9.05 | 10.392 | | |
| 2,700.0 | 2,699.2 | 2,697.2 | 2,691.8 | 4.8 | 5.4 | 22.60 | 41.0 | 149.8 | 98.9 | 89.5 | 9.40 | 10.522 | | |
| 2,800.0 | 2,799.1 | 2,797.1 | 2,791.4 | 5.0 | 5.6 | 22.71 | 42.8 | 157.1 | 103.7 | 94.0 | 9.75 | 10.643 | | |
| 2,900.0 | 2,899.1 | 2,897.0 | 2,891.0 | 5.2 | 5.8 | 22.81 | 44.5 | 164.4 | 108.6 | 98.5 | 10.10 | 10.755 | | |
| 3,000.0 | 2,999.1 | 2,996.8 | 2,990.6 | 5.3 | 6.0 | 22.90 | 46.3 | 171.7 | 113.5 | 103.0 | 10.45 | 10.860 | | |
| 3,100.0 | 3,099.0 | 3,096.7 | 3,090.2 | 5.5 | 6.3 | 22.98 | 48.1 | 179.0 | 118.4 | 107.6 | 10.80 | 10.959 | | |
| 3,200.0 | 3,199.0 | 3,196.6 | 3,189.8 | 5.7 | 6.5 | 23.06 | 49.8 | 186.3 | 123.2 | 112.1 | 11.15 | 11.051 | | |
| 3,300.0 | 3,298.9 | 3,296.5 | 3,289.4 | 5.9 | 6.7 | 23.13 | 51.6 | 193.6 | 128.1 | 116.6 | 11.50 | 11.137 | | |
| 3,400.0 | 3,398.9 | 3,396.4 | 3,389.0 | 6.1 | 6.9 | 23.19 | 53.4 | 200.9 | 133.0 | 121.1 | 11.85 | 11.218 | | |
| 3,500.0 | 3,498.9 | 3,496.2 | 3,488.6 | 6.3 | 7.1 | 23.25 | 55.1 | 208.2 | 137.9 | 125.7 | 12.21 | 11.295 | | |
| 3,600.0 | 3,598.8 | 3,596.1 | 3,588.2 | 6.4 | 7.3 | 23.31 | 56.9 | 215.5 | 142.7 | 130.2 | 12.56 | 11.367 | | |
| 3,700.0 | 3,698.8 | 3,696.0 | 3,687.8 | 6.6 | 7.6 | 23.36 | 58.7 | 222.8 | 147.6 | 134.7 | 12.91 | 11.436 | | |
| 3,800.0 | 3,798.7 | 3,795.9 | 3,787.4 | 6.8 | 7.8 | 23.41 | 60.4 | 230.1 | 152.5 | 139.2 | 13.26 | 11.500 | | |
| 3,900.0 | 3,898.7 | 3,895.8 | 3,887.0 | 7.0 | 8.0 | 23.46 | 62.2 | 237.4 | 157.4 | 143.7 | 13.61 | 11.562 | | |
| 4,000.0 | 3,998.7 | 3,995.6 | 3,986.6 | 7.2 | 8.2 | 23.50 | 64.0 | 244.7 | 162.2 | 148.3 | 13.96 | 11.620 | | |
| 4,100.0 | 4,098.6 | 4,095.5 | 4,086.2 | 7.3 | 8.4 | 23.54 | 65.7 | 252.0 | 167.1 | 152.8 | 14.31 | 11.676 | | |
| 4,200.0 | 4,198.6 | 4,195.4 | 4,185.8 | 7.5 | 8.6 | 23.58 | 67.5 | 259.3 | 172.0 | 157.3 | 14.66 | 11.728 | | |
| 4,300.0 | 4,298.5 | 4,295.3 | 4,285.4 | 7.7 | 8.9 | 23.61 | 69.3 | 266.6 | 176.9 | 161.8 | 15.01 | 11.779 | | |
| 4,400.0 | 4,398.5 | 4,395.2 | 4,385.0 | 7.9 | 9.1 | 23.65 | 71.0 | 273.9 | 181.7 | 166.4 | 15.37 | 11.827 | | |
| 4,500.0 | 4,498.5 | 4,495.1 | 4,484.6 | 8.1 | 9.3 | 23.68 | 72.8 | 281.2 | 186.6 | 170.9 | 15.72 | 11.873 | | |
| 4,600.0 | 4,598.4 | 4,594.9 | 4,584.2 | 8.2 | 9.5 | 23.71 | 74.6 | 288.5 | 191.5 | 175.4 | 16.07 | 11.917 | | |
| 4,700.0 | 4,698.4 | 4,694.8 | 4,683.8 | 8.4 | 9.7 | 23.74 | 76.3 | 295.8 | 196.4 | 179.9 | 16.42 | 11.959 | | |
| 4,800.0 | 4,798.3 | 4,794.7 | 4,783.4 | 8.6 | 10.0 | 23.77 | 78.1 | 303.1 | 201.2 | 184.5 | 16.77 | 11.999 | | |
| 4,900.0 | 4,898.3 | 4,894.6 | 4,883.0 | 8.8 | 10.2 | 23.80 | 79.9 | 310.4 | 206.1 | 189.0 | 17.12 | 12.038 | | |
| 5,000.0 | 4,998.3 | 4,994.5 | 4,982.6 | 9.0 | 10.4 | 23.82 | 81.6 | 317.7 | 211.0 | 193.5 | 17.47 | 12.075 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4D-32H-O268 - 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 | | | Distance | | | | Total Uncertainty Axis | Separation Factor | 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) | | | | |
| 5,100.0 | 5,098.2 | 5,094.3 | 5,082.2 | 9.2 | 10.6 | 23.85 | 83.4 | 325.0 | 215.9 | 198.0 | 17.82 | 12.110 | | |
| 5,200.0 | 5,198.2 | 5,194.2 | 5,181.7 | 9.3 | 10.8 | 23.87 | 85.2 | 332.3 | 220.7 | 202.6 | 18.18 | 12.144 | | |
| 5,300.0 | 5,298.1 | 5,294.1 | 5,281.3 | 9.5 | 11.0 | 23.89 | 86.9 | 339.6 | 225.6 | 207.1 | 18.53 | 12.177 | | |
| 5,400.0 | 5,398.1 | 5,394.0 | 5,380.9 | 9.7 | 11.3 | 23.91 | 88.7 | 346.9 | 230.5 | 211.6 | 18.88 | 12.209 | | |
| 5,500.0 | 5,498.1 | 5,493.9 | 5,480.5 | 9.9 | 11.5 | 23.93 | 90.5 | 354.2 | 235.4 | 216.1 | 19.23 | 12.240 | | |
| 5,600.0 | 5,598.0 | 5,593.7 | 5,580.1 | 10.1 | 11.7 | 23.95 | 92.2 | 361.5 | 240.2 | 220.7 | 19.58 | 12.269 | | |
| 5,700.0 | 5,698.0 | 5,693.6 | 5,679.7 | 10.2 | 11.9 | 23.97 | 94.0 | 368.8 | 245.1 | 225.2 | 19.93 | 12.297 | | |
| 5,800.0 | 5,797.9 | 5,793.5 | 5,779.3 | 10.4 | 12.1 | 23.99 | 95.8 | 376.1 | 250.0 | 229.7 | 20.28 | 12.325 | | |
| 5,900.0 | 5,897.9 | 5,893.4 | 5,878.9 | 10.6 | 12.3 | 24.01 | 97.5 | 383.4 | 254.9 | 234.2 | 20.63 | 12.351 | | |
| 6,000.0 | 5,997.9 | 5,993.3 | 5,978.5 | 10.8 | 12.6 | 24.02 | 99.3 | 390.7 | 259.7 | 238.7 | 20.99 | 12.377 | | |
| 6,100.0 | 6,097.8 | 6,093.2 | 6,078.1 | 11.0 | 12.8 | 24.04 | 101.1 | 398.0 | 264.6 | 243.3 | 21.34 | 12.402 | | |
| 6,200.0 | 6,197.8 | 6,193.0 | 6,177.7 | 11.1 | 13.0 | 24.06 | 102.8 | 405.3 | 269.5 | 247.8 | 21.69 | 12.426 | | |
| 6,300.0 | 6,297.7 | 6,292.9 | 6,277.3 | 11.3 | 13.2 | 24.07 | 104.6 | 412.6 | 274.4 | 252.3 | 22.04 | 12.449 | | |
| 6,400.0 | 6,397.7 | 6,392.8 | 6,376.9 | 11.5 | 13.4 | 24.08 | 106.4 | 419.9 | 279.2 | 256.8 | 22.39 | 12.471 | | |
| 6,500.0 | 6,497.7 | 6,492.7 | 6,476.5 | 11.7 | 13.7 | 24.10 | 108.1 | 427.2 | 284.1 | 261.4 | 22.74 | 12.493 | | |
| 6,600.0 | 6,597.6 | 6,592.6 | 6,576.1 | 11.9 | 13.9 | 24.11 | 109.9 | 434.5 | 289.0 | 265.9 | 23.09 | 12.514 | | |
| 6,700.0 | 6,697.6 | 6,692.4 | 6,675.7 | 12.1 | 14.1 | 24.12 | 111.7 | 441.8 | 293.9 | 270.4 | 23.44 | 12.535 | | |
| 6,800.0 | 6,797.5 | 6,792.3 | 6,775.3 | 12.2 | 14.3 | 24.14 | 113.4 | 449.1 | 298.7 | 274.9 | 23.80 | 12.555 | | |
| 6,900.0 | 6,897.5 | 6,892.1 | 6,874.9 | 12.4 | 14.5 | -76.63 | 115.2 | 456.4 | 303.8 | 279.7 | 24.13 | 12.589 | | |
| 7,000.0 | 6,996.1 | 6,990.3 | 6,972.8 | 12.5 | 14.7 | -92.09 | 116.9 | 463.5 | 310.8 | 286.4 | 24.40 | 12.738 | | |
| 7,100.0 | 7,090.4 | 7,084.0 | 7,066.2 | 12.7 | 14.9 | -98.87 | 118.6 | 470.4 | 322.3 | 297.7 | 24.62 | 13.093 | | |
| 7,200.0 | 7,177.6 | 7,176.7 | 7,158.7 | 12.9 | 15.1 | -105.48 | 119.5 | 477.2 | 342.2 | 317.4 | 24.78 | 13.809 | | |
| 7,300.0 | 7,255.0 | 7,294.4 | 7,274.7 | 13.1 | 15.4 | -112.63 | 103.8 | 485.7 | 368.8 | 344.0 | 24.86 | 14.835 | | |
| 7,400.0 | 7,320.4 | 7,432.2 | 7,403.2 | 13.5 | 15.6 | -118.95 | 55.7 | 495.1 | 397.7 | 372.8 | 24.86 | 16.000 | | |
| 7,500.0 | 7,371.6 | 7,596.2 | 7,535.8 | 14.1 | 15.9 | -124.24 | -39.3 | 504.8 | 424.4 | 399.6 | 24.88 | 17.061 | | |
| 7,600.0 | 7,407.2 | 7,789.2 | 7,650.0 | 14.9 | 16.7 | -127.91 | -193.6 | 513.2 | 443.9 | 418.6 | 25.30 | 17.547 | | |
| 7,700.0 | 7,426.0 | 8,002.9 | 7,709.3 | 15.8 | 18.2 | -129.16 | -397.5 | 517.5 | 451.0 | 424.5 | 26.57 | 16.978 | | |
| 7,800.0 | 7,431.1 | 8,132.8 | 7,712.0 | 16.9 | 19.4 | -128.77 | -527.4 | 517.7 | 448.6 | 420.4 | 28.17 | 15.922 | | |
| 7,800.0 | 7,429.0 | 8,132.9 | 7,712.0 | 16.9 | 19.4 | -128.97 | -527.5 | 517.7 | 450.0 | 421.8 | 28.12 | 16.000 | | |
| 7,900.0 | 7,429.0 | 8,232.9 | 7,712.0 | 18.1 | 20.5 | -128.97 | -627.5 | 517.7 | 450.0 | 420.0 | 29.99 | 15.003 | | |
| 8,000.0 | 7,429.0 | 8,332.9 | 7,712.0 | 19.4 | 21.6 | -128.97 | -727.5 | 517.7 | 450.0 | 418.0 | 31.98 | 14.068 | | |
| 8,100.0 | 7,429.0 | 8,432.9 | 7,712.0 | 20.7 | 22.8 | -128.97 | -827.5 | 517.7 | 450.0 | 415.9 | 34.08 | 13.202 | | |
| 8,200.0 | 7,429.0 | 8,532.9 | 7,712.0 | 22.1 | 24.1 | -128.97 | -927.5 | 517.7 | 450.0 | 413.7 | 36.26 | 12.407 | | |
| 8,300.0 | 7,429.0 | 8,632.9 | 7,712.0 | 23.6 | 25.5 | -128.97 | -1,027.5 | 517.7 | 450.0 | 411.4 | 38.52 | 11.681 | | |
| 8,400.0 | 7,429.0 | 8,732.9 | 7,712.0 | 25.0 | 26.8 | -128.97 | -1,127.5 | 517.7 | 450.0 | 409.1 | 40.83 | 11.020 | | |
| 8,500.0 | 7,429.0 | 8,832.9 | 7,712.0 | 26.6 | 28.3 | -128.97 | -1,227.5 | 517.7 | 450.0 | 406.8 | 43.20 | 10.417 | | |
| 8,600.0 | 7,429.0 | 8,932.9 | 7,712.0 | 28.1 | 29.7 | -128.97 | -1,327.5 | 517.7 | 450.0 | 404.3 | 45.60 | 9.867 | | |
| 8,700.0 | 7,429.0 | 9,032.9 | 7,712.0 | 29.7 | 31.2 | -128.97 | -1,427.5 | 517.7 | 450.0 | 401.9 | 48.04 | 9.366 | | |
| 8,800.0 | 7,429.0 | 9,132.9 | 7,712.0 | 31.3 | 32.8 | -128.97 | -1,527.5 | 517.7 | 450.0 | 399.4 | 50.51 | 8.908 | | |
| 8,900.0 | 7,429.0 | 9,232.9 | 7,712.0 | 32.9 | 34.3 | -128.97 | -1,627.5 | 517.7 | 450.0 | 396.9 | 53.01 | 8.488 | | |
| 9,000.0 | 7,429.0 | 9,332.9 | 7,712.0 | 34.5 | 35.9 | -128.97 | -1,727.5 | 517.7 | 450.0 | 394.4 | 55.53 | 8.103 | | |
| 9,100.0 | 7,429.0 | 9,432.9 | 7,712.0 | 36.1 | 37.4 | -128.97 | -1,827.5 | 517.7 | 450.0 | 391.9 | 58.07 | 7.748 | | |
| 9,200.0 | 7,429.0 | 9,532.9 | 7,712.0 | 37.8 | 39.0 | -128.97 | -1,927.5 | 517.7 | 450.0 | 389.3 | 60.63 | 7.421 | | |
| 9,300.0 | 7,429.0 | 9,632.9 | 7,712.0 | 39.4 | 40.6 | -128.97 | -2,027.5 | 517.7 | 450.0 | 386.7 | 63.20 | 7.119 | | |
| 9,400.0 | 7,429.0 | 9,732.9 | 7,712.0 | 41.1 | 42.3 | -128.97 | -2,127.5 | 517.7 | 450.0 | 384.2 | 65.79 | 6.839 | | |
| 9,500.0 | 7,429.0 | 9,832.9 | 7,712.0 | 42.7 | 43.9 | -128.97 | -2,227.5 | 517.7 | 450.0 | 381.6 | 68.39 | 6.580 | | |
| 9,600.0 | 7,429.0 | 9,932.9 | 7,712.0 | 44.4 | 45.5 | -128.97 | -2,327.5 | 517.7 | 450.0 | 379.0 | 70.99 | 6.338 | | |
| 9,700.0 | 7,429.0 | 10,032.9 | 7,712.0 | 46.1 | 47.2 | -128.97 | -2,427.5 | 517.7 | 450.0 | 376.3 | 73.61 | 6.113 | | |
| 9,800.0 | 7,429.0 | 10,132.9 | 7,712.0 | 47.8 | 48.8 | -128.97 | -2,527.5 | 517.7 | 450.0 | 373.7 | 76.24 | 5.902 | | |
| 9,900.0 | 7,429.0 | 10,232.9 | 7,712.0 | 49.5 | 50.5 | -128.97 | -2,627.5 | 517.7 | 450.0 | 371.1 | 78.87 | 5.705 | | |
| 10,000.0 | 7,429.0 | 10,332.9 | 7,712.0 | 51.2 | 52.2 | -128.97 | -2,727.5 | 517.7 | 450.0 | 368.4 | 81.51 | 5.520 | | |
| 10,100.0 | 7,429.0 | 10,432.9 | 7,712.0 | 52.9 | 53.8 | -128.97 | -2,827.5 | 517.7 | 450.0 | 365.8 | 84.16 | 5.346 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4D-32H-O268 - 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 | | | Distance | | | Total Uncertainty Axis | Separation Factor | 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) | |
| 10,200.0 | 7,429.0 | 10,532.9 | 7,712.0 | 54.6 | 55.5 | -128.97 | -2,927.5 | 517.7 | 450.0 | 363.1 | 86.81 | 5.183 | | |
| 10,300.0 | 7,429.0 | 10,632.9 | 7,712.0 | 56.3 | 57.2 | -128.97 | -3,027.5 | 517.7 | 450.0 | 360.5 | 89.47 | 5.029 | | |
| 10,400.0 | 7,429.0 | 10,732.9 | 7,712.0 | 58.0 | 58.9 | -128.97 | -3,127.5 | 517.7 | 450.0 | 357.8 | 92.13 | 4.884 | | |
| 10,500.0 | 7,429.0 | 10,832.9 | 7,712.0 | 59.7 | 60.6 | -128.97 | -3,227.5 | 517.7 | 450.0 | 355.2 | 94.80 | 4.746 | | |
| 10,600.0 | 7,429.0 | 10,932.9 | 7,712.0 | 61.4 | 62.3 | -128.97 | -3,327.5 | 517.7 | 450.0 | 352.5 | 97.47 | 4.616 | | |
| 10,700.0 | 7,429.0 | 11,032.9 | 7,712.0 | 63.1 | 64.0 | -128.97 | -3,427.5 | 517.7 | 450.0 | 349.8 | 100.15 | 4.493 | | |
| 10,800.0 | 7,429.0 | 11,132.9 | 7,712.0 | 64.9 | 65.7 | -128.97 | -3,527.5 | 517.7 | 450.0 | 347.1 | 102.82 | 4.376 | | |
| 10,900.0 | 7,429.0 | 11,232.9 | 7,712.0 | 66.6 | 67.4 | -128.97 | -3,627.5 | 517.7 | 450.0 | 344.4 | 105.50 | 4.265 | | |
| 11,000.0 | 7,429.0 | 11,332.9 | 7,712.0 | 68.3 | 69.1 | -128.97 | -3,727.5 | 517.7 | 450.0 | 341.8 | 108.19 | 4.159 | | |
| 11,100.0 | 7,429.0 | 11,432.9 | 7,712.0 | 70.0 | 70.8 | -128.97 | -3,827.5 | 517.7 | 450.0 | 339.1 | 110.87 | 4.058 | | |
| 11,200.0 | 7,429.0 | 11,532.9 | 7,712.0 | 71.7 | 72.5 | -128.97 | -3,927.5 | 517.7 | 450.0 | 336.4 | 113.56 | 3.962 | | |
| 11,300.0 | 7,429.0 | 11,632.9 | 7,712.0 | 73.5 | 74.2 | -128.97 | -4,027.5 | 517.7 | 450.0 | 333.7 | 116.25 | 3.870 | | |
| 11,400.0 | 7,429.0 | 11,732.9 | 7,712.0 | 75.2 | 75.9 | -128.97 | -4,127.5 | 517.7 | 450.0 | 331.0 | 118.95 | 3.783 | | |
| 11,500.0 | 7,429.0 | 11,832.9 | 7,712.0 | 76.9 | 77.6 | -128.97 | -4,227.5 | 517.7 | 450.0 | 328.3 | 121.64 | 3.699 | | |
| 11,600.0 | 7,429.0 | 11,932.9 | 7,712.0 | 78.7 | 79.4 | -128.97 | -4,327.5 | 517.7 | 450.0 | 325.6 | 124.34 | 3.619 | | |
| 11,700.0 | 7,429.0 | 12,032.9 | 7,712.0 | 80.4 | 81.1 | -128.97 | -4,427.5 | 517.7 | 450.0 | 322.9 | 127.04 | 3.542 | | |
| 11,800.0 | 7,429.0 | 12,132.9 | 7,712.0 | 82.1 | 82.8 | -128.97 | -4,527.5 | 517.7 | 450.0 | 320.2 | 129.74 | 3.468 | | |
| 11,900.0 | 7,429.0 | 12,232.9 | 7,712.0 | 83.8 | 84.5 | -128.97 | -4,627.5 | 517.7 | 450.0 | 317.5 | 132.44 | 3.397 | | |
| 12,000.0 | 7,429.0 | 12,332.9 | 7,712.0 | 85.6 | 86.2 | -128.97 | -4,727.5 | 517.7 | 450.0 | 314.8 | 135.15 | 3.329 | | |
| 12,100.0 | 7,429.0 | 12,432.9 | 7,712.0 | 87.3 | 88.0 | -128.97 | -4,827.5 | 517.7 | 450.0 | 312.1 | 137.85 | 3.264 | | |
| 12,200.0 | 7,429.0 | 12,532.9 | 7,712.0 | 89.1 | 89.7 | -128.97 | -4,927.5 | 517.7 | 450.0 | 309.4 | 140.56 | 3.201 | | |
| 12,300.0 | 7,429.0 | 12,632.9 | 7,712.0 | 90.8 | 91.4 | -128.97 | -5,027.5 | 517.7 | 450.0 | 306.7 | 143.27 | 3.141 | | |
| 12,400.0 | 7,429.0 | 12,732.9 | 7,712.0 | 92.5 | 93.1 | -128.97 | -5,127.5 | 517.7 | 450.0 | 304.0 | 145.97 | 3.082 | | |
| 12,500.0 | 7,429.0 | 12,832.9 | 7,712.0 | 94.3 | 94.9 | -128.97 | -5,227.5 | 517.7 | 450.0 | 301.3 | 148.68 | 3.026 | | |
| 12,600.0 | 7,429.0 | 12,932.9 | 7,712.0 | 96.0 | 96.6 | -128.97 | -5,327.5 | 517.7 | 450.0 | 298.6 | 151.40 | 2.972 | | |
| 12,700.0 | 7,429.0 | 13,032.9 | 7,712.0 | 97.7 | 98.3 | -128.97 | -5,427.5 | 517.7 | 450.0 | 295.8 | 154.11 | 2.920 | | |
| 12,733.1 | 7,429.0 | 13,066.0 | 7,712.0 | 98.3 | 98.9 | -128.97 | -5,460.6 | 517.7 | 450.0 | 294.9 | 155.01 | 2.903 | | |
| 12,758.7 | 7,429.0 | 13,091.6 | 7,712.0 | 98.8 | 99.4 | -128.97 | -5,486.1 | 517.7 | 450.0 | 294.3 | 155.70 | 2.890 SF | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4E-32H-O268 - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|------------------------------|----------------------|---------|--------------|--------------------|--------|
| Survey Program: O-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 | 90.31 | -0.1 | 20.0 | 20.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 90.31 | -0.1 | 20.0 | 20.0 | 19.7 | 0.30 | 67.407 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 90.31 | -0.1 | 20.0 | 20.0 | 19.4 | 0.65 | 30.971 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 90.31 | -0.1 | 20.0 | 20.0 | 19.0 | 0.99 | 20.104 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.7 | 0.7 | 90.31 | -0.1 | 20.0 | 20.0 | 18.7 | 1.34 | 14.882 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 0.8 | 0.8 | 90.31 | -0.1 | 20.0 | 20.0 | 18.3 | 1.69 | 11.814 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.0 | 1.0 | 31.05 | -0.1 | 20.0 | 19.2 | 17.2 | 2.04 | 9.426 | | |
| 700.0 | 700.0 | 699.7 | 699.7 | 1.2 | 1.2 | 34.64 | 0.0 | 20.9 | 18.0 | 15.6 | 2.39 | 7.531 | | |
| 735.7 | 735.6 | 735.2 | 735.2 | 1.3 | 1.3 | 35.91 | 0.1 | 21.6 | 17.9 | 15.4 | 2.52 | 7.113 CC, ES | | |
| 800.0 | 799.9 | 799.4 | 799.3 | 1.4 | 1.4 | 37.71 | 0.4 | 23.4 | 18.3 | 15.5 | 2.74 | 6.659 | | |
| 900.0 | 899.9 | 899.0 | 898.9 | 1.6 | 1.6 | 39.02 | 1.1 | 27.7 | 20.2 | 17.1 | 3.09 | 6.531 SF | | |
| 1,000.0 | 999.8 | 998.6 | 998.3 | 1.7 | 1.7 | 38.73 | 2.0 | 33.7 | 23.8 | 20.4 | 3.44 | 6.909 | | |
| 1,100.0 | 1,099.8 | 1,098.0 | 1,097.4 | 1.9 | 1.9 | 37.49 | 3.1 | 41.4 | 29.1 | 25.3 | 3.80 | 7.654 | | |
| 1,200.0 | 1,199.8 | 1,197.2 | 1,196.1 | 2.1 | 2.2 | 35.88 | 4.5 | 50.8 | 36.0 | 31.8 | 4.15 | 8.678 | | |
| 1,300.0 | 1,299.7 | 1,296.2 | 1,294.5 | 2.3 | 2.4 | 34.26 | 6.2 | 61.8 | 44.6 | 40.1 | 4.50 | 9.921 | | |
| 1,400.0 | 1,399.7 | 1,395.2 | 1,392.6 | 2.5 | 2.6 | 32.81 | 8.1 | 74.4 | 54.8 | 50.0 | 4.85 | 11.310 | | |
| 1,500.0 | 1,499.6 | 1,494.6 | 1,491.2 | 2.6 | 2.9 | 31.76 | 10.0 | 87.3 | 65.4 | 60.2 | 5.20 | 12.577 | | |
| 1,600.0 | 1,599.6 | 1,594.0 | 1,589.8 | 2.8 | 3.2 | 31.00 | 11.9 | 100.3 | 75.9 | 70.4 | 5.55 | 13.687 | | |
| 1,700.0 | 1,699.6 | 1,693.5 | 1,688.3 | 3.0 | 3.4 | 30.42 | 13.9 | 113.2 | 86.5 | 80.6 | 5.90 | 14.666 | | |
| 1,800.0 | 1,799.5 | 1,792.9 | 1,786.9 | 3.2 | 3.7 | 29.97 | 15.8 | 126.2 | 97.1 | 90.9 | 6.25 | 15.537 | | |
| 1,900.0 | 1,899.5 | 1,892.3 | 1,885.5 | 3.4 | 4.0 | 29.61 | 17.8 | 139.1 | 107.7 | 101.1 | 6.60 | 16.315 | | |
| 2,000.0 | 1,999.4 | 1,991.8 | 1,984.0 | 3.5 | 4.2 | 29.32 | 19.7 | 152.1 | 118.3 | 111.3 | 6.95 | 17.016 | | |
| 2,100.0 | 2,099.4 | 2,091.2 | 2,082.6 | 3.7 | 4.5 | 29.07 | 21.7 | 165.0 | 128.9 | 121.6 | 7.30 | 17.650 | | |
| 2,200.0 | 2,199.4 | 2,190.6 | 2,181.2 | 3.9 | 4.8 | 28.86 | 23.6 | 178.0 | 139.5 | 131.8 | 7.65 | 18.226 | | |
| 2,300.0 | 2,299.3 | 2,290.1 | 2,279.7 | 4.1 | 5.1 | 28.68 | 25.6 | 190.9 | 150.1 | 142.1 | 8.00 | 18.752 | | |
| 2,400.0 | 2,399.3 | 2,389.5 | 2,378.3 | 4.3 | 5.3 | 28.52 | 27.5 | 203.9 | 160.7 | 152.3 | 8.35 | 19.234 | | |
| 2,500.0 | 2,499.3 | 2,488.9 | 2,476.9 | 4.4 | 5.6 | 28.38 | 29.4 | 216.8 | 171.3 | 162.6 | 8.70 | 19.677 | | |
| 2,600.0 | 2,599.2 | 2,588.4 | 2,575.5 | 4.6 | 5.9 | 28.26 | 31.4 | 229.8 | 181.9 | 172.8 | 9.05 | 20.086 | | |
| 2,700.0 | 2,699.2 | 2,687.8 | 2,674.0 | 4.8 | 6.2 | 28.16 | 33.3 | 242.7 | 192.5 | 183.1 | 9.41 | 20.465 | | |
| 2,800.0 | 2,799.1 | 2,787.3 | 2,772.6 | 5.0 | 6.5 | 28.06 | 35.3 | 255.7 | 203.1 | 193.3 | 9.76 | 20.816 | | |
| 2,900.0 | 2,899.1 | 2,886.7 | 2,871.2 | 5.2 | 6.8 | 27.97 | 37.2 | 268.6 | 213.7 | 203.6 | 10.11 | 21.143 | | |
| 3,000.0 | 2,999.1 | 2,986.1 | 2,969.7 | 5.3 | 7.0 | 27.89 | 39.2 | 281.6 | 224.3 | 213.8 | 10.46 | 21.448 | | |
| 3,100.0 | 3,099.0 | 3,085.6 | 3,068.3 | 5.5 | 7.3 | 27.82 | 41.1 | 294.5 | 234.9 | 224.1 | 10.81 | 21.734 | | |
| 3,200.0 | 3,199.0 | 3,185.0 | 3,166.9 | 5.7 | 7.6 | 27.76 | 43.1 | 307.5 | 245.5 | 234.3 | 11.16 | 22.001 | | |
| 3,300.0 | 3,298.9 | 3,284.4 | 3,265.4 | 5.9 | 7.9 | 27.70 | 45.0 | 320.4 | 256.1 | 244.6 | 11.51 | 22.253 | | |
| 3,400.0 | 3,398.9 | 3,383.9 | 3,364.0 | 6.1 | 8.2 | 27.64 | 46.9 | 333.4 | 266.7 | 254.8 | 11.86 | 22.489 | | |
| 3,500.0 | 3,498.9 | 3,483.3 | 3,462.6 | 6.3 | 8.5 | 27.59 | 48.9 | 346.3 | 277.3 | 265.1 | 12.21 | 22.712 | | |
| 3,600.0 | 3,598.8 | 3,582.7 | 3,561.1 | 6.4 | 8.7 | 27.54 | 50.8 | 359.3 | 287.9 | 275.4 | 12.56 | 22.922 | | |
| 3,700.0 | 3,698.8 | 3,682.2 | 3,659.7 | 6.6 | 9.0 | 27.50 | 52.8 | 372.2 | 298.5 | 285.6 | 12.91 | 23.122 | | |
| 3,800.0 | 3,798.7 | 3,781.6 | 3,758.3 | 6.8 | 9.3 | 27.46 | 54.7 | 385.2 | 309.1 | 295.9 | 13.26 | 23.310 | | |
| 3,900.0 | 3,898.7 | 3,881.0 | 3,856.9 | 7.0 | 9.6 | 27.42 | 56.7 | 398.1 | 319.7 | 306.1 | 13.61 | 23.489 | | |
| 4,000.0 | 3,998.7 | 3,980.5 | 3,955.4 | 7.2 | 9.9 | 27.38 | 58.6 | 411.1 | 330.3 | 316.4 | 13.96 | 23.659 | | |
| 4,100.0 | 4,098.6 | 4,079.9 | 4,054.0 | 7.3 | 10.2 | 27.35 | 60.6 | 424.0 | 340.9 | 326.6 | 14.31 | 23.820 | | |
| 4,200.0 | 4,198.6 | 4,179.4 | 4,152.6 | 7.5 | 10.5 | 27.32 | 62.5 | 437.0 | 351.5 | 336.9 | 14.66 | 23.974 | | |
| 4,300.0 | 4,298.5 | 4,278.8 | 4,251.1 | 7.7 | 10.8 | 27.29 | 64.5 | 450.0 | 362.2 | 347.1 | 15.01 | 24.121 | | |
| 4,400.0 | 4,398.5 | 4,378.2 | 4,349.7 | 7.9 | 11.0 | 27.26 | 66.4 | 462.9 | 372.8 | 357.4 | 15.36 | 24.261 | | |
| 4,500.0 | 4,498.5 | 4,477.7 | 4,448.3 | 8.1 | 11.3 | 27.24 | 68.3 | 475.9 | 383.4 | 367.6 | 15.72 | 24.395 | | |
| 4,600.0 | 4,598.4 | 4,577.1 | 4,546.8 | 8.2 | 11.6 | 27.21 | 70.3 | 488.8 | 394.0 | 377.9 | 16.07 | 24.523 | | |
| 4,700.0 | 4,698.4 | 4,676.5 | 4,645.4 | 8.4 | 11.9 | 27.19 | 72.2 | 501.8 | 404.6 | 388.2 | 16.42 | 24.645 | | |
| 4,800.0 | 4,798.3 | 4,776.0 | 4,744.0 | 8.6 | 12.2 | 27.16 | 74.2 | 514.7 | 415.2 | 398.4 | 16.77 | 24.762 | | |
| 4,900.0 | 4,898.3 | 4,875.4 | 4,842.6 | 8.8 | 12.5 | 27.14 | 76.1 | 527.7 | 425.8 | 408.7 | 17.12 | 24.875 | | |
| 5,000.0 | 4,998.3 | 4,974.8 | 4,941.1 | 9.0 | 12.8 | 27.12 | 78.1 | 540.6 | 436.4 | 418.9 | 17.47 | 24.983 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4E-32H-O268 - 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 | | 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 | | |
| 5,100.0 | 5,098.2 | 5,074.3 | 5,039.7 | 9.2 | 13.0 | 27.10 | 80.0 | 553.6 | 447.0 | 429.2 | 17.82 | 25.087 | | | |
| 5,200.0 | 5,198.2 | 5,173.7 | 5,138.3 | 9.3 | 13.3 | 27.08 | 82.0 | 566.5 | 457.6 | 439.4 | 18.17 | 25.187 | | | |
| 5,300.0 | 5,298.1 | 5,273.1 | 5,236.8 | 9.5 | 13.6 | 27.07 | 83.9 | 579.5 | 468.2 | 449.7 | 18.52 | 25.283 | | | |
| 5,400.0 | 5,398.1 | 5,372.6 | 5,335.4 | 9.7 | 13.9 | 27.05 | 85.8 | 592.4 | 478.8 | 460.0 | 18.87 | 25.375 | | | |
| 5,500.0 | 5,498.1 | 5,472.0 | 5,434.0 | 9.9 | 14.2 | 27.03 | 87.8 | 605.4 | 489.4 | 470.2 | 19.22 | 25.464 | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4F-32H-O268 - 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 | 76.81 | 5.9 | 25.0 | 25.7 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 76.81 | 5.9 | 25.0 | 25.7 | 25.4 | 0.30 | 86.651 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 76.81 | 5.9 | 25.0 | 25.7 | 25.1 | 0.65 | 39.813 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 76.81 | 5.9 | 25.0 | 25.7 | 24.7 | 0.99 | 25.843 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.7 | 0.7 | 76.81 | 5.9 | 25.0 | 25.7 | 24.4 | 1.34 | 19.131 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 0.8 | 0.8 | 76.81 | 5.9 | 25.0 | 25.7 | 24.0 | 1.69 | 15.186 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.0 | 1.0 | 16.83 | 5.9 | 25.0 | 24.9 | 22.8 | 2.04 | 12.182 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.2 | 1.2 | 18.66 | 5.9 | 25.0 | 22.5 | 20.1 | 2.39 | 9.413 | | |
| 800.0 | 799.9 | 799.6 | 799.6 | 1.4 | 1.4 | 21.35 | 6.0 | 25.9 | 20.7 | 18.0 | 2.74 | 7.565 | | |
| 849.2 | 849.1 | 848.6 | 848.6 | 1.5 | 1.5 | 22.86 | 6.1 | 26.9 | 20.5 | 17.6 | 2.91 | 7.043 CC, ES | | |
| 900.0 | 899.9 | 899.2 | 899.2 | 1.6 | 1.5 | 24.43 | 6.2 | 28.5 | 20.7 | 17.7 | 3.09 | 6.714 | | |
| 1,000.0 | 999.8 | 998.8 | 998.7 | 1.7 | 1.7 | 27.19 | 6.7 | 32.8 | 22.5 | 19.1 | 3.44 | 6.557 SF | | |
| 1,100.0 | 1,099.8 | 1,098.3 | 1,098.0 | 1.9 | 1.9 | 29.14 | 7.3 | 38.8 | 26.1 | 22.3 | 3.79 | 6.896 | | |
| 1,200.0 | 1,199.8 | 1,197.7 | 1,197.1 | 2.1 | 2.1 | 30.22 | 8.1 | 46.5 | 31.5 | 27.3 | 4.14 | 7.599 | | |
| 1,300.0 | 1,299.7 | 1,296.8 | 1,295.8 | 2.3 | 2.3 | 30.65 | 9.1 | 55.9 | 38.5 | 34.0 | 4.49 | 8.576 | | |
| 1,400.0 | 1,399.7 | 1,395.7 | 1,394.0 | 2.5 | 2.6 | 30.67 | 10.3 | 67.0 | 47.3 | 42.4 | 4.84 | 9.766 | | |
| 1,500.0 | 1,499.6 | 1,494.3 | 1,491.7 | 2.6 | 2.8 | 30.48 | 11.6 | 79.7 | 57.7 | 52.5 | 5.19 | 11.125 | | |
| 1,600.0 | 1,599.6 | 1,592.4 | 1,588.8 | 2.8 | 3.1 | 30.17 | 13.1 | 94.0 | 69.9 | 64.3 | 5.54 | 12.620 | | |
| 1,700.0 | 1,699.6 | 1,690.2 | 1,685.3 | 3.0 | 3.4 | 29.83 | 14.8 | 109.9 | 83.7 | 77.8 | 5.88 | 14.226 | | |
| 1,800.0 | 1,799.5 | 1,788.1 | 1,781.6 | 3.2 | 3.7 | 29.48 | 16.6 | 127.3 | 99.1 | 92.9 | 6.23 | 15.899 | | |
| 1,900.0 | 1,899.5 | 1,886.9 | 1,878.7 | 3.4 | 4.0 | 29.21 | 18.5 | 145.2 | 114.7 | 108.2 | 6.58 | 17.435 | | |
| 2,000.0 | 1,999.4 | 1,985.7 | 1,975.9 | 3.5 | 4.3 | 29.01 | 20.3 | 163.0 | 130.4 | 123.5 | 6.93 | 18.816 | | |
| 2,100.0 | 2,099.4 | 2,084.4 | 2,073.0 | 3.7 | 4.6 | 28.85 | 22.2 | 180.9 | 146.1 | 138.8 | 7.28 | 20.065 | | |
| 2,200.0 | 2,199.4 | 2,183.2 | 2,170.1 | 3.9 | 5.0 | 28.72 | 24.1 | 198.7 | 161.7 | 154.1 | 7.63 | 21.199 | | |
| 2,300.0 | 2,299.3 | 2,281.9 | 2,267.2 | 4.1 | 5.3 | 28.61 | 25.9 | 216.6 | 177.4 | 169.4 | 7.98 | 22.235 | | |
| 2,400.0 | 2,399.3 | 2,380.7 | 2,364.3 | 4.3 | 5.7 | 28.52 | 27.8 | 234.4 | 193.1 | 184.7 | 8.33 | 23.183 | | |
| 2,500.0 | 2,499.3 | 2,479.5 | 2,461.5 | 4.4 | 6.0 | 28.45 | 29.7 | 252.3 | 208.7 | 200.1 | 8.68 | 24.056 | | |
| 2,600.0 | 2,599.2 | 2,578.2 | 2,558.6 | 4.6 | 6.4 | 28.38 | 31.6 | 270.1 | 224.4 | 215.4 | 9.03 | 24.861 | | |
| 2,700.0 | 2,699.2 | 2,677.0 | 2,655.7 | 4.8 | 6.7 | 28.33 | 33.4 | 288.0 | 240.1 | 230.7 | 9.38 | 25.606 | | |
| 2,800.0 | 2,799.1 | 2,775.8 | 2,752.8 | 5.0 | 7.1 | 28.28 | 35.3 | 305.8 | 255.7 | 246.0 | 9.72 | 26.297 | | |
| 2,900.0 | 2,899.1 | 2,874.5 | 2,849.9 | 5.2 | 7.4 | 28.23 | 37.2 | 323.7 | 271.4 | 261.3 | 10.07 | 26.941 | | |
| 3,000.0 | 2,999.1 | 2,973.3 | 2,947.1 | 5.3 | 7.8 | 28.19 | 39.0 | 341.5 | 287.1 | 276.6 | 10.42 | 27.541 | | |
| 3,100.0 | 3,099.0 | 3,072.1 | 3,044.2 | 5.5 | 8.1 | 28.16 | 40.9 | 359.4 | 302.7 | 292.0 | 10.77 | 28.103 | | |
| 3,200.0 | 3,199.0 | 3,170.8 | 3,141.3 | 5.7 | 8.5 | 28.13 | 42.8 | 377.2 | 318.4 | 307.3 | 11.12 | 28.629 | | |
| 3,300.0 | 3,298.9 | 3,269.6 | 3,238.4 | 5.9 | 8.8 | 28.10 | 44.6 | 395.1 | 334.1 | 322.6 | 11.47 | 29.123 | | |
| 3,400.0 | 3,398.9 | 3,368.4 | 3,335.6 | 6.1 | 9.2 | 28.07 | 46.5 | 412.9 | 349.7 | 337.9 | 11.82 | 29.588 | | |
| 3,500.0 | 3,498.9 | 3,467.1 | 3,432.7 | 6.3 | 9.5 | 28.05 | 48.4 | 430.8 | 365.4 | 353.2 | 12.17 | 30.027 | | |
| 3,600.0 | 3,598.8 | 3,565.9 | 3,529.8 | 6.4 | 9.9 | 28.02 | 50.3 | 448.6 | 381.1 | 368.5 | 12.52 | 30.441 | | |
| 3,700.0 | 3,698.8 | 3,664.7 | 3,626.9 | 6.6 | 10.2 | 28.00 | 52.1 | 466.5 | 396.7 | 383.9 | 12.87 | 30.832 | | |
| 3,800.0 | 3,798.7 | 3,763.4 | 3,724.0 | 6.8 | 10.6 | 27.99 | 54.0 | 484.4 | 412.4 | 399.2 | 13.22 | 31.203 | | |
| 3,900.0 | 3,898.7 | 3,862.2 | 3,821.2 | 7.0 | 10.9 | 27.97 | 55.9 | 502.2 | 428.1 | 414.5 | 13.57 | 31.555 | | |
| 4,000.0 | 3,998.7 | 3,961.0 | 3,918.3 | 7.2 | 11.3 | 27.95 | 57.7 | 520.1 | 443.7 | 429.8 | 13.91 | 31.889 | | |
| 4,100.0 | 4,098.6 | 4,059.7 | 4,015.4 | 7.3 | 11.7 | 27.94 | 59.6 | 537.9 | 459.4 | 445.1 | 14.26 | 32.207 | | |
| 4,200.0 | 4,198.6 | 4,158.5 | 4,112.5 | 7.5 | 12.0 | 27.92 | 61.5 | 555.8 | 475.1 | 460.4 | 14.61 | 32.509 | | |
| 4,300.0 | 4,298.5 | 4,257.3 | 4,209.6 | 7.7 | 12.4 | 27.91 | 63.3 | 573.6 | 490.7 | 475.8 | 14.96 | 32.798 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4G-32H-O268 - 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 | 90.31 | -0.2 | 30.0 | 30.0 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 90.31 | -0.2 | 30.0 | 30.0 | 29.7 | 0.30 | 101.110 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 90.31 | -0.2 | 30.0 | 30.0 | 29.4 | 0.65 | 46.456 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 90.31 | -0.2 | 30.0 | 30.0 | 29.0 | 0.99 | 30.156 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.7 | 0.7 | 90.31 | -0.2 | 30.0 | 30.0 | 28.7 | 1.34 | 22.323 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 0.8 | 0.8 | 90.31 | -0.2 | 30.0 | 30.0 | 28.3 | 1.69 | 17.720 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.0 | 1.0 | 30.61 | -0.2 | 30.0 | 29.2 | 27.2 | 2.04 | 14.322 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.2 | 1.2 | 33.29 | -0.2 | 30.0 | 27.1 | 24.7 | 2.39 | 11.347 | | |
| 800.0 | 799.9 | 799.9 | 799.9 | 1.4 | 1.4 | 36.86 | -0.2 | 30.0 | 24.8 | 22.1 | 2.74 | 9.056 | | |
| 900.0 | 899.9 | 899.5 | 899.5 | 1.6 | 1.5 | 40.52 | -0.1 | 30.9 | 23.5 | 20.4 | 3.09 | 7.591 | | |
| 927.0 | 926.9 | 926.4 | 926.4 | 1.6 | 1.6 | 41.37 | 0.0 | 31.4 | 23.4 | 20.2 | 3.19 | 7.345 CC, ES | | |
| 1,000.0 | 999.8 | 999.1 | 999.1 | 1.7 | 1.7 | 43.19 | 0.1 | 33.4 | 23.9 | 20.4 | 3.44 | 6.930 | | |
| 1,100.0 | 1,099.8 | 1,098.7 | 1,098.5 | 1.9 | 1.9 | 44.39 | 0.5 | 37.8 | 25.9 | 22.1 | 3.80 | 6.834 SF | | |
| 1,200.0 | 1,199.8 | 1,198.1 | 1,197.8 | 2.1 | 2.1 | 44.22 | 1.0 | 43.8 | 29.7 | 25.5 | 4.15 | 7.148 | | |
| 1,300.0 | 1,299.7 | 1,297.5 | 1,296.8 | 2.3 | 2.3 | 43.15 | 1.6 | 51.5 | 35.0 | 30.5 | 4.50 | 7.777 | | |
| 1,400.0 | 1,399.7 | 1,396.6 | 1,395.5 | 2.5 | 2.5 | 41.65 | 2.4 | 60.9 | 42.0 | 37.2 | 4.85 | 8.658 | | |
| 1,500.0 | 1,499.6 | 1,495.4 | 1,493.7 | 2.6 | 2.7 | 40.05 | 3.4 | 72.0 | 50.7 | 45.5 | 5.20 | 9.743 | | |
| 1,600.0 | 1,599.6 | 1,594.0 | 1,591.4 | 2.8 | 3.0 | 38.52 | 4.4 | 84.7 | 61.1 | 55.5 | 5.55 | 10.997 | | |
| 1,700.0 | 1,699.6 | 1,692.1 | 1,688.5 | 3.0 | 3.2 | 37.15 | 5.6 | 99.1 | 73.2 | 67.2 | 5.90 | 12.392 | | |
| 1,800.0 | 1,799.5 | 1,789.8 | 1,784.9 | 3.2 | 3.5 | 35.94 | 7.0 | 115.0 | 86.9 | 80.7 | 6.25 | 13.903 | | |
| 1,900.0 | 1,899.5 | 1,887.0 | 1,880.5 | 3.4 | 3.8 | 34.89 | 8.4 | 132.4 | 102.4 | 95.8 | 6.60 | 15.513 | | |
| 2,000.0 | 1,999.4 | 1,983.7 | 1,975.3 | 3.5 | 4.2 | 33.99 | 10.0 | 151.4 | 119.5 | 112.5 | 6.94 | 17.205 | | |
| 2,100.0 | 2,099.4 | 2,079.7 | 2,069.1 | 3.7 | 4.5 | 33.21 | 11.7 | 171.8 | 138.3 | 131.0 | 7.29 | 18.968 | | |
| 2,200.0 | 2,199.4 | 2,175.2 | 2,162.0 | 3.9 | 4.9 | 32.54 | 13.6 | 193.7 | 158.7 | 151.1 | 7.63 | 20.790 | | |
| 2,300.0 | 2,299.3 | 2,270.0 | 2,253.9 | 4.1 | 5.3 | 31.95 | 15.5 | 216.9 | 180.7 | 172.8 | 7.98 | 22.662 | | |
| 2,400.0 | 2,399.3 | 2,367.3 | 2,348.1 | 4.3 | 5.7 | 31.45 | 17.6 | 241.5 | 203.6 | 195.2 | 8.32 | 24.461 | | |
| 2,500.0 | 2,499.3 | 2,464.7 | 2,442.3 | 4.4 | 6.2 | 31.05 | 19.6 | 266.0 | 226.4 | 217.7 | 8.67 | 26.117 | | |
| 2,600.0 | 2,599.2 | 2,562.0 | 2,536.4 | 4.6 | 6.6 | 30.73 | 21.7 | 290.6 | 249.2 | 240.2 | 9.01 | 27.647 | | |
| 2,700.0 | 2,699.2 | 2,659.4 | 2,630.6 | 4.8 | 7.0 | 30.46 | 23.8 | 315.2 | 272.1 | 262.7 | 9.36 | 29.065 | | |
| 2,800.0 | 2,799.1 | 2,756.7 | 2,724.8 | 5.0 | 7.5 | 30.23 | 25.8 | 339.7 | 294.9 | 285.2 | 9.71 | 30.382 | | |
| 2,900.0 | 2,899.1 | 2,854.1 | 2,819.0 | 5.2 | 7.9 | 30.04 | 27.9 | 364.3 | 317.8 | 307.7 | 10.05 | 31.609 | | |
| 3,000.0 | 2,999.1 | 2,951.4 | 2,913.1 | 5.3 | 8.4 | 29.87 | 29.9 | 388.9 | 340.6 | 330.2 | 10.40 | 32.754 | | |
| 3,100.0 | 3,099.0 | 3,048.8 | 3,007.3 | 5.5 | 8.8 | 29.72 | 32.0 | 413.5 | 363.5 | 352.7 | 10.75 | 33.826 | | |
| 3,200.0 | 3,199.0 | 3,146.1 | 3,101.5 | 5.7 | 9.3 | 29.59 | 34.1 | 438.0 | 386.3 | 375.2 | 11.09 | 34.832 | | |
| 3,300.0 | 3,298.9 | 3,243.5 | 3,195.7 | 5.9 | 9.8 | 29.47 | 36.1 | 462.6 | 409.2 | 397.8 | 11.44 | 35.776 | | |
| 3,400.0 | 3,398.9 | 3,340.8 | 3,289.8 | 6.1 | 10.2 | 29.37 | 38.2 | 487.2 | 432.1 | 420.3 | 11.78 | 36.666 | | |
| 3,500.0 | 3,498.9 | 3,438.2 | 3,384.0 | 6.3 | 10.7 | 29.27 | 40.2 | 511.7 | 454.9 | 442.8 | 12.13 | 37.504 | | |
| 3,600.0 | 3,598.8 | 3,535.5 | 3,478.2 | 6.4 | 11.2 | 29.19 | 42.3 | 536.3 | 477.8 | 465.3 | 12.48 | 38.297 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4H-32H-O268 - 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 | | 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 | 80.58 | 5.8 | 35.0 | 35.5 | | | | | |
| 100.0 | 100.0 | 100.0 | 100.0 | 0.1 | 0.1 | 80.58 | 5.8 | 35.0 | 35.5 | 35.2 | 0.30 | 119.683 | | |
| 200.0 | 200.0 | 200.0 | 200.0 | 0.3 | 0.3 | 80.58 | 5.8 | 35.0 | 35.5 | 34.9 | 0.65 | 54.989 | | |
| 300.0 | 300.0 | 300.0 | 300.0 | 0.5 | 0.5 | 80.58 | 5.8 | 35.0 | 35.5 | 34.5 | 0.99 | 35.695 | | |
| 400.0 | 400.0 | 400.0 | 400.0 | 0.7 | 0.7 | 80.58 | 5.8 | 35.0 | 35.5 | 34.2 | 1.34 | 26.423 | | |
| 500.0 | 500.0 | 500.0 | 500.0 | 0.8 | 0.8 | 80.58 | 5.8 | 35.0 | 35.5 | 33.8 | 1.69 | 20.975 | | |
| 600.0 | 600.0 | 600.0 | 600.0 | 1.0 | 1.0 | 20.53 | 5.8 | 35.0 | 34.7 | 32.7 | 2.04 | 16.990 | | |
| 700.0 | 700.0 | 700.0 | 700.0 | 1.2 | 1.2 | 22.07 | 5.8 | 35.0 | 32.4 | 30.0 | 2.39 | 13.541 | | |
| 800.0 | 799.9 | 799.9 | 799.9 | 1.4 | 1.4 | 24.11 | 5.8 | 35.0 | 29.8 | 27.0 | 2.74 | 10.868 | | |
| 900.0 | 899.9 | 899.9 | 899.9 | 1.6 | 1.5 | 26.53 | 5.8 | 35.0 | 27.2 | 24.1 | 3.09 | 8.814 | | |
| 1,000.0 | 999.8 | 999.4 | 999.4 | 1.7 | 1.7 | 29.30 | 5.9 | 35.9 | 25.6 | 22.2 | 3.44 | 7.446 | | |
| 1,040.3 | 1,040.2 | 1,039.5 | 1,039.5 | 1.8 | 1.8 | 30.42 | 5.9 | 36.7 | 25.5 | 21.9 | 3.58 | 7.112 CC, ES | | |
| 1,100.0 | 1,099.8 | 1,099.0 | 1,098.9 | 1.9 | 1.9 | 31.98 | 6.0 | 38.5 | 25.8 | 22.0 | 3.79 | 6.803 | | |
| 1,200.0 | 1,199.8 | 1,198.5 | 1,198.3 | 2.1 | 2.1 | 34.06 | 6.3 | 42.8 | 27.7 | 23.6 | 4.14 | 6.697 SF | | |
| 1,300.0 | 1,299.7 | 1,297.9 | 1,297.6 | 2.3 | 2.3 | 35.30 | 6.7 | 48.8 | 31.4 | 26.9 | 4.49 | 6.994 | | |
| 1,400.0 | 1,399.7 | 1,397.2 | 1,396.5 | 2.5 | 2.5 | 35.78 | 7.2 | 56.5 | 36.8 | 32.0 | 4.84 | 7.602 | | |
| 1,500.0 | 1,499.6 | 1,496.2 | 1,495.2 | 2.6 | 2.7 | 35.74 | 7.9 | 66.0 | 43.9 | 38.7 | 5.19 | 8.457 | | |
| 1,600.0 | 1,599.6 | 1,595.0 | 1,593.3 | 2.8 | 2.9 | 35.37 | 8.6 | 77.0 | 52.7 | 47.2 | 5.54 | 9.509 | | |
| 1,700.0 | 1,699.6 | 1,693.5 | 1,691.0 | 3.0 | 3.1 | 34.86 | 9.5 | 89.8 | 63.2 | 57.3 | 5.89 | 10.725 | | |
| 1,800.0 | 1,799.5 | 1,791.6 | 1,788.0 | 3.2 | 3.4 | 34.29 | 10.4 | 104.1 | 75.4 | 69.2 | 6.24 | 12.077 | | |
| 1,900.0 | 1,899.5 | 1,889.2 | 1,884.3 | 3.4 | 3.7 | 33.73 | 11.5 | 120.0 | 89.3 | 82.7 | 6.59 | 13.542 | | |
| 2,000.0 | 1,999.4 | 1,986.4 | 1,979.9 | 3.5 | 4.0 | 33.19 | 12.6 | 137.5 | 104.8 | 97.8 | 6.94 | 15.104 | | |
| 2,100.0 | 2,099.4 | 2,083.0 | 2,074.6 | 3.7 | 4.3 | 32.70 | 13.9 | 156.5 | 122.0 | 114.7 | 7.28 | 16.747 | | |
| 2,200.0 | 2,199.4 | 2,179.0 | 2,168.4 | 3.9 | 4.6 | 32.25 | 15.3 | 176.9 | 140.8 | 133.2 | 7.63 | 18.460 | | |
| 2,300.0 | 2,299.3 | 2,274.4 | 2,261.2 | 4.1 | 5.0 | 31.84 | 16.7 | 198.7 | 161.3 | 153.3 | 7.97 | 20.234 | | |
| 2,400.0 | 2,399.3 | 2,369.1 | 2,353.0 | 4.3 | 5.4 | 31.47 | 18.3 | 221.9 | 183.4 | 175.1 | 8.31 | 22.059 | | |
| 2,500.0 | 2,499.3 | 2,463.0 | 2,443.7 | 4.4 | 5.9 | 31.14 | 19.9 | 246.4 | 207.1 | 198.4 | 8.66 | 23.928 | | |
| 2,600.0 | 2,599.2 | 2,556.2 | 2,533.2 | 4.6 | 6.3 | 30.84 | 21.6 | 272.2 | 232.4 | 223.4 | 8.99 | 25.837 | | |
| 2,700.0 | 2,699.2 | 2,648.6 | 2,621.6 | 4.8 | 6.8 | 30.57 | 23.4 | 299.2 | 259.2 | 249.9 | 9.33 | 27.778 | | |
| 2,800.0 | 2,799.1 | 2,743.8 | 2,712.3 | 5.0 | 7.3 | 30.33 | 25.3 | 328.0 | 287.1 | 277.4 | 9.67 | 29.679 | | |
| 2,900.0 | 2,899.1 | 2,839.8 | 2,803.8 | 5.2 | 7.8 | 30.12 | 27.3 | 357.1 | 315.0 | 305.0 | 10.02 | 31.449 | | |
| 3,000.0 | 2,999.1 | 2,935.8 | 2,895.3 | 5.3 | 8.3 | 29.95 | 29.2 | 386.2 | 343.0 | 332.6 | 10.36 | 33.101 | | |
| 3,100.0 | 3,099.0 | 3,031.8 | 2,986.8 | 5.5 | 8.8 | 29.81 | 31.1 | 415.2 | 370.9 | 360.2 | 10.70 | 34.648 | | |
| 3,200.0 | 3,199.0 | 3,127.9 | 3,078.2 | 5.7 | 9.4 | 29.68 | 33.1 | 444.3 | 398.8 | 387.8 | 11.05 | 36.100 | | |
| 3,300.0 | 3,298.9 | 3,223.9 | 3,169.7 | 5.9 | 9.9 | 29.57 | 35.0 | 473.4 | 426.8 | 415.4 | 11.39 | 37.464 | | |
| 3,400.0 | 3,398.9 | 3,319.9 | 3,261.2 | 6.1 | 10.4 | 29.48 | 37.0 | 502.5 | 454.7 | 443.0 | 11.74 | 38.748 | | |
| 3,500.0 | 3,498.9 | 3,415.9 | 3,352.7 | 6.3 | 11.0 | 29.40 | 38.9 | 531.5 | 482.6 | 470.6 | 12.08 | 39.960 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4I-32H-O268 - 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 | | 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 | 90.31 | -0.3 | 50.0 | 50.0 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 90.31 | -0.3 | 50.0 | 50.0 | 49.7 | 0.30 | 169.364 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 90.31 | -0.3 | 50.0 | 50.0 | 49.4 | 0.64 | 77.637 | | |
| 300.0 | 300.0 | 299.6 | 299.6 | 0.5 | 0.5 | 91.02 | -0.9 | 49.4 | 49.4 | 48.4 | 0.99 | 49.686 | | |
| 400.0 | 400.0 | 400.1 | 400.1 | 0.7 | 0.7 | 93.30 | -2.7 | 47.5 | 47.6 | 46.3 | 1.34 | 35.418 | | |
| 500.0 | 500.0 | 500.6 | 500.4 | 0.8 | 0.9 | 97.49 | -5.8 | 44.4 | 44.8 | 43.1 | 1.69 | 26.457 | | |
| 600.0 | 600.0 | 600.7 | 600.4 | 1.0 | 1.1 | 44.56 | -10.2 | 40.1 | 40.8 | 38.7 | 2.08 | 19.620 | | |
| 700.0 | 700.0 | 700.5 | 699.8 | 1.2 | 1.3 | 58.26 | -15.7 | 34.5 | 36.1 | 33.6 | 2.47 | 14.596 | | |
| 800.0 | 799.9 | 799.8 | 798.7 | 1.4 | 1.5 | 77.60 | -22.2 | 28.0 | 33.9 | 31.0 | 2.88 | 11.779 | | |
| 802.0 | 801.9 | 801.8 | 800.7 | 1.4 | 1.5 | 78.00 | -22.4 | 27.9 | 33.9 | 31.0 | 2.89 | 11.747 CC, ES | | |
| 900.0 | 899.9 | 899.1 | 897.6 | 1.6 | 1.7 | 97.24 | -28.9 | 21.4 | 36.0 | 32.7 | 3.26 | 11.032 SF | | |
| 1,000.0 | 999.8 | 998.3 | 996.4 | 1.7 | 2.0 | 113.20 | -35.5 | 14.7 | 41.6 | 38.0 | 3.60 | 11.556 | | |
| 1,100.0 | 1,099.8 | 1,097.6 | 1,095.2 | 1.9 | 2.2 | 124.71 | -42.1 | 8.1 | 49.7 | 45.7 | 3.93 | 12.651 | | |
| 1,200.0 | 1,199.8 | 1,196.8 | 1,194.0 | 2.1 | 2.4 | 132.81 | -48.8 | 1.5 | 59.1 | 54.9 | 4.25 | 13.918 | | |
| 1,300.0 | 1,299.7 | 1,296.1 | 1,292.8 | 2.3 | 2.7 | 138.59 | -55.4 | -5.2 | 69.5 | 64.9 | 4.58 | 15.177 | | |
| 1,400.0 | 1,399.7 | 1,395.4 | 1,391.6 | 2.5 | 2.9 | 142.86 | -62.0 | -11.8 | 80.3 | 75.4 | 4.91 | 16.361 | | |
| 1,500.0 | 1,499.6 | 1,494.6 | 1,490.4 | 2.6 | 3.1 | 146.10 | -68.6 | -18.5 | 91.5 | 86.2 | 5.24 | 17.448 | | |
| 1,600.0 | 1,599.6 | 1,593.9 | 1,589.2 | 2.8 | 3.4 | 148.62 | -75.3 | -25.1 | 102.9 | 97.3 | 5.58 | 18.436 | | |
| 1,700.0 | 1,699.6 | 1,693.1 | 1,688.1 | 3.0 | 3.6 | 150.65 | -81.9 | -31.7 | 114.4 | 108.5 | 5.92 | 19.331 | | |
| 1,800.0 | 1,799.5 | 1,792.4 | 1,786.9 | 3.2 | 3.8 | 152.30 | -88.5 | -38.4 | 126.1 | 119.9 | 6.26 | 20.144 | | |
| 1,900.0 | 1,899.5 | 1,891.6 | 1,885.7 | 3.4 | 4.1 | 153.67 | -95.2 | -45.0 | 137.9 | 131.3 | 6.60 | 20.881 | | |
| 2,000.0 | 1,999.4 | 1,990.9 | 1,984.5 | 3.5 | 4.3 | 154.82 | -101.8 | -51.6 | 149.7 | 142.8 | 6.95 | 21.553 | | |
| 2,100.0 | 2,099.4 | 2,090.2 | 2,083.3 | 3.7 | 4.6 | 155.80 | -108.4 | -58.3 | 161.6 | 154.3 | 7.29 | 22.166 | | |
| 2,200.0 | 2,199.4 | 2,189.4 | 2,182.1 | 3.9 | 4.8 | 156.65 | -115.1 | -64.9 | 173.5 | 165.9 | 7.63 | 22.728 | | |
| 2,300.0 | 2,299.3 | 2,288.7 | 2,280.9 | 4.1 | 5.0 | 157.39 | -121.7 | -71.6 | 185.4 | 177.5 | 7.98 | 23.244 | | |
| 2,400.0 | 2,399.3 | 2,387.9 | 2,379.7 | 4.3 | 5.3 | 158.04 | -128.3 | -78.2 | 197.4 | 189.1 | 8.32 | 23.720 | | |
| 2,500.0 | 2,499.3 | 2,487.2 | 2,478.6 | 4.4 | 5.5 | 158.62 | -134.9 | -84.8 | 209.4 | 200.8 | 8.67 | 24.159 | | |
| 2,600.0 | 2,599.2 | 2,586.4 | 2,577.4 | 4.6 | 5.7 | 159.13 | -141.6 | -91.5 | 221.4 | 212.4 | 9.01 | 24.566 | | |
| 2,700.0 | 2,699.2 | 2,685.7 | 2,676.2 | 4.8 | 6.0 | 159.59 | -148.2 | -98.1 | 233.5 | 224.1 | 9.36 | 24.944 | | |
| 2,800.0 | 2,799.1 | 2,784.9 | 2,775.0 | 5.0 | 6.2 | 160.01 | -154.8 | -104.7 | 245.5 | 235.8 | 9.71 | 25.296 | | |
| 2,900.0 | 2,899.1 | 2,884.2 | 2,873.8 | 5.2 | 6.5 | 160.39 | -161.5 | -111.4 | 257.6 | 247.5 | 10.05 | 25.625 | | |
| 3,000.0 | 2,999.1 | 2,983.5 | 2,972.6 | 5.3 | 6.7 | 160.73 | -168.1 | -118.0 | 269.7 | 259.3 | 10.40 | 25.932 | | |
| 3,100.0 | 3,099.0 | 3,082.7 | 3,071.4 | 5.5 | 6.9 | 161.04 | -174.7 | -124.7 | 281.7 | 271.0 | 10.74 | 26.220 | | |
| 3,200.0 | 3,199.0 | 3,182.0 | 3,170.2 | 5.7 | 7.2 | 161.33 | -181.3 | -131.3 | 293.8 | 282.7 | 11.09 | 26.491 | | |
| 3,300.0 | 3,298.9 | 3,281.2 | 3,269.1 | 5.9 | 7.4 | 161.60 | -188.0 | -137.9 | 305.9 | 294.5 | 11.44 | 26.745 | | |
| 3,400.0 | 3,398.9 | 3,380.5 | 3,367.9 | 6.1 | 7.6 | 161.84 | -194.6 | -144.6 | 318.0 | 306.2 | 11.78 | 26.985 | | |
| 3,500.0 | 3,498.9 | 3,479.7 | 3,466.7 | 6.3 | 7.9 | 162.07 | -201.2 | -151.2 | 330.1 | 318.0 | 12.13 | 27.211 | | |
| 3,600.0 | 3,598.8 | 3,579.0 | 3,565.5 | 6.4 | 8.1 | 162.28 | -207.9 | -157.8 | 342.2 | 329.8 | 12.48 | 27.426 | | |
| 3,700.0 | 3,698.8 | 3,678.3 | 3,664.3 | 6.6 | 8.4 | 162.48 | -214.5 | -164.5 | 354.3 | 341.5 | 12.83 | 27.628 | | |
| 3,800.0 | 3,798.7 | 3,777.5 | 3,763.1 | 6.8 | 8.6 | 162.66 | -221.1 | -171.1 | 366.5 | 353.3 | 13.17 | 27.820 | | |
| 3,900.0 | 3,898.7 | 3,876.8 | 3,861.9 | 7.0 | 8.8 | 162.83 | -227.8 | -177.8 | 378.6 | 365.1 | 13.52 | 28.003 | | |
| 4,000.0 | 3,998.7 | 3,976.0 | 3,960.7 | 7.2 | 9.1 | 162.99 | -234.4 | -184.4 | 390.7 | 376.8 | 13.87 | 28.176 | | |
| 4,100.0 | 4,098.6 | 4,075.3 | 4,059.6 | 7.3 | 9.3 | 163.14 | -241.0 | -191.0 | 402.8 | 388.6 | 14.21 | 28.341 | | |
| 4,200.0 | 4,198.6 | 4,174.5 | 4,158.4 | 7.5 | 9.5 | 163.29 | -247.6 | -197.7 | 415.0 | 400.4 | 14.56 | 28.499 | | |
| 4,300.0 | 4,298.5 | 4,273.8 | 4,257.2 | 7.7 | 9.8 | 163.42 | -254.3 | -204.3 | 427.1 | 412.2 | 14.91 | 28.649 | | |
| 4,400.0 | 4,398.5 | 4,373.1 | 4,356.0 | 7.9 | 10.0 | 163.55 | -260.9 | -211.0 | 439.2 | 424.0 | 15.25 | 28.792 | | |
| 4,500.0 | 4,498.5 | 4,472.3 | 4,454.8 | 8.1 | 10.3 | 163.67 | -267.5 | -217.6 | 451.4 | 435.8 | 15.60 | 28.929 | | |
| 4,600.0 | 4,598.4 | 4,571.6 | 4,553.6 | 8.2 | 10.5 | 163.78 | -274.2 | -224.2 | 463.5 | 447.5 | 15.95 | 29.060 | | |
| 4,700.0 | 4,698.4 | 4,670.8 | 4,652.4 | 8.4 | 10.7 | 163.89 | -280.8 | -230.9 | 475.6 | 459.3 | 16.30 | 29.186 | | |
| 4,800.0 | 4,798.3 | 4,770.1 | 4,751.2 | 8.6 | 11.0 | 163.99 | -287.4 | -237.5 | 487.8 | 471.1 | 16.64 | 29.307 | | |
| 4,900.0 | 4,898.3 | 4,869.3 | 4,850.0 | 8.8 | 11.2 | 164.09 | -294.1 | -244.1 | 499.9 | 482.9 | 16.99 | 29.422 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4J-32H-O268 - 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 | | 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 | 84.08 | 5.7 | 55.0 | 55.3 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 84.08 | 5.7 | 55.0 | 55.3 | 55.0 | 0.30 | 187.405 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 84.08 | 5.7 | 55.0 | 55.3 | 54.7 | 0.64 | 85.907 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 84.08 | 5.7 | 55.0 | 55.3 | 54.3 | 0.99 | 55.711 | | |
| 400.0 | 400.0 | 399.2 | 399.2 | 0.7 | 0.7 | 84.94 | 4.9 | 54.9 | 55.1 | 53.8 | 1.34 | 41.040 | | |
| 500.0 | 500.0 | 499.4 | 499.4 | 0.8 | 0.9 | 87.60 | 2.3 | 54.4 | 54.5 | 52.8 | 1.69 | 32.200 | | |
| 600.0 | 600.0 | 599.5 | 599.3 | 1.0 | 1.0 | 32.09 | -2.0 | 53.7 | 53.0 | 51.0 | 2.06 | 25.771 | | |
| 700.0 | 700.0 | 699.2 | 698.9 | 1.2 | 1.2 | 40.43 | -8.0 | 52.7 | 50.7 | 48.3 | 2.43 | 20.873 | | |
| 795.2 | 795.1 | 793.8 | 793.2 | 1.4 | 1.4 | 50.98 | -15.3 | 51.4 | 49.7 | 46.9 | 2.79 | 17.780 CC | | |
| 800.0 | 799.9 | 798.6 | 798.0 | 1.4 | 1.4 | 51.56 | -15.7 | 51.4 | 49.7 | 46.9 | 2.81 | 17.665 ES | | |
| 900.0 | 899.9 | 897.9 | 896.9 | 1.6 | 1.7 | 64.02 | -24.6 | 49.9 | 51.1 | 47.9 | 3.19 | 16.013 | | |
| 1,000.0 | 999.8 | 997.3 | 995.9 | 1.7 | 1.9 | 75.37 | -33.6 | 48.3 | 54.8 | 51.3 | 3.56 | 15.416 | | |
| 1,100.0 | 1,099.8 | 1,096.7 | 1,094.8 | 1.9 | 2.1 | 84.97 | -42.6 | 46.8 | 60.4 | 56.5 | 3.91 | 15.458 | | |
| 1,200.0 | 1,199.8 | 1,196.1 | 1,193.8 | 2.1 | 2.3 | 92.78 | -51.6 | 45.2 | 67.4 | 63.2 | 4.25 | 15.854 | | |
| 1,300.0 | 1,299.7 | 1,295.4 | 1,292.7 | 2.3 | 2.6 | 99.04 | -60.6 | 43.7 | 75.4 | 70.9 | 4.59 | 16.425 | | |
| 1,400.0 | 1,399.7 | 1,394.8 | 1,391.7 | 2.5 | 2.8 | 104.05 | -69.6 | 42.2 | 84.2 | 79.2 | 4.93 | 17.068 | | |
| 1,500.0 | 1,499.6 | 1,494.2 | 1,490.6 | 2.6 | 3.0 | 108.10 | -78.6 | 40.6 | 93.4 | 88.2 | 5.27 | 17.725 | | |
| 1,600.0 | 1,599.6 | 1,593.6 | 1,589.6 | 2.8 | 3.3 | 111.41 | -87.6 | 39.1 | 103.1 | 97.4 | 5.61 | 18.368 | | |
| 1,700.0 | 1,699.6 | 1,692.9 | 1,688.5 | 3.0 | 3.5 | 114.15 | -96.6 | 37.5 | 113.0 | 107.0 | 5.95 | 18.980 | | |
| 1,800.0 | 1,799.5 | 1,792.3 | 1,787.5 | 3.2 | 3.7 | 116.45 | -105.6 | 36.0 | 123.1 | 116.8 | 6.30 | 19.556 | | |
| 1,900.0 | 1,899.5 | 1,891.7 | 1,886.4 | 3.4 | 3.9 | 118.39 | -114.6 | 34.5 | 133.4 | 126.8 | 6.64 | 20.094 | | |
| 2,000.0 | 1,999.4 | 1,991.1 | 1,985.4 | 3.5 | 4.2 | 120.05 | -123.6 | 32.9 | 143.8 | 136.8 | 6.98 | 20.594 | | |
| 2,100.0 | 2,099.4 | 2,090.4 | 2,084.3 | 3.7 | 4.4 | 121.49 | -132.6 | 31.4 | 154.4 | 147.0 | 7.33 | 21.059 | | |
| 2,200.0 | 2,199.4 | 2,189.8 | 2,183.3 | 3.9 | 4.6 | 122.75 | -141.6 | 29.9 | 165.0 | 157.3 | 7.68 | 21.491 | | |
| 2,300.0 | 2,299.3 | 2,289.2 | 2,282.3 | 4.1 | 4.9 | 123.85 | -150.6 | 28.3 | 175.7 | 167.6 | 8.02 | 21.892 | | |
| 2,400.0 | 2,399.3 | 2,388.6 | 2,381.2 | 4.3 | 5.1 | 124.82 | -159.6 | 26.8 | 186.4 | 178.0 | 8.37 | 22.266 | | |
| 2,500.0 | 2,499.3 | 2,487.9 | 2,480.2 | 4.4 | 5.4 | 125.69 | -168.6 | 25.2 | 197.2 | 188.5 | 8.72 | 22.613 | | |
| 2,600.0 | 2,599.2 | 2,587.3 | 2,579.1 | 4.6 | 5.6 | 126.47 | -177.6 | 23.7 | 208.0 | 198.9 | 9.07 | 22.938 | | |
| 2,700.0 | 2,699.2 | 2,686.7 | 2,678.1 | 4.8 | 5.8 | 127.17 | -186.6 | 22.2 | 218.9 | 209.5 | 9.42 | 23.241 | | |
| 2,800.0 | 2,799.1 | 2,786.1 | 2,777.0 | 5.0 | 6.1 | 127.81 | -195.6 | 20.6 | 229.8 | 220.0 | 9.77 | 23.524 | | |
| 2,900.0 | 2,899.1 | 2,885.4 | 2,876.0 | 5.2 | 6.3 | 128.39 | -204.6 | 19.1 | 240.7 | 230.6 | 10.12 | 23.790 | | |
| 3,000.0 | 2,999.1 | 2,984.8 | 2,974.9 | 5.3 | 6.5 | 128.91 | -213.6 | 17.5 | 251.6 | 241.1 | 10.47 | 24.040 | | |
| 3,100.0 | 3,099.0 | 3,084.2 | 3,073.9 | 5.5 | 6.8 | 129.40 | -222.6 | 16.0 | 262.6 | 251.8 | 10.82 | 24.274 | | |
| 3,200.0 | 3,199.0 | 3,183.6 | 3,172.8 | 5.7 | 7.0 | 129.84 | -231.6 | 14.5 | 273.5 | 262.4 | 11.17 | 24.495 | | |
| 3,300.0 | 3,298.9 | 3,282.9 | 3,271.8 | 5.9 | 7.2 | 130.25 | -240.6 | 12.9 | 284.5 | 273.0 | 11.52 | 24.704 | | |
| 3,400.0 | 3,398.9 | 3,382.3 | 3,370.8 | 6.1 | 7.5 | 130.63 | -249.6 | 11.4 | 295.5 | 283.7 | 11.87 | 24.901 | | |
| 3,500.0 | 3,498.9 | 3,481.7 | 3,469.7 | 6.3 | 7.7 | 130.99 | -258.6 | 9.9 | 306.6 | 294.3 | 12.22 | 25.087 | | |
| 3,600.0 | 3,598.8 | 3,581.1 | 3,568.7 | 6.4 | 7.9 | 131.31 | -267.6 | 8.3 | 317.6 | 305.0 | 12.57 | 25.263 | | |
| 3,700.0 | 3,698.8 | 3,680.4 | 3,667.6 | 6.6 | 8.2 | 131.62 | -276.6 | 6.8 | 328.6 | 315.7 | 12.92 | 25.431 | | |
| 3,800.0 | 3,798.7 | 3,779.8 | 3,766.6 | 6.8 | 8.4 | 131.91 | -285.6 | 5.2 | 339.7 | 326.4 | 13.27 | 25.590 | | |
| 3,900.0 | 3,898.7 | 3,879.2 | 3,865.5 | 7.0 | 8.6 | 132.17 | -294.6 | 3.7 | 350.7 | 337.1 | 13.62 | 25.741 | | |
| 4,000.0 | 3,998.7 | 3,978.5 | 3,964.5 | 7.2 | 8.9 | 132.43 | -303.6 | 2.2 | 361.8 | 347.8 | 13.98 | 25.885 | | |
| 4,100.0 | 4,098.6 | 4,077.9 | 4,063.4 | 7.3 | 9.1 | 132.66 | -312.6 | 0.6 | 372.8 | 358.5 | 14.33 | 26.022 | | |
| 4,200.0 | 4,198.6 | 4,177.3 | 4,162.4 | 7.5 | 9.3 | 132.89 | -321.6 | -0.9 | 383.9 | 369.2 | 14.68 | 26.153 | | |
| 4,300.0 | 4,298.5 | 4,276.7 | 4,261.3 | 7.7 | 9.6 | 133.10 | -330.6 | -2.4 | 395.0 | 380.0 | 15.03 | 26.278 | | |
| 4,400.0 | 4,398.5 | 4,376.0 | 4,360.3 | 7.9 | 9.8 | 133.30 | -339.6 | -4.0 | 406.1 | 390.7 | 15.38 | 26.397 | | |
| 4,500.0 | 4,498.5 | 4,475.4 | 4,459.2 | 8.1 | 10.0 | 133.49 | -348.6 | -5.5 | 417.2 | 401.4 | 15.73 | 26.512 | | |
| 4,600.0 | 4,598.4 | 4,574.8 | 4,558.2 | 8.2 | 10.3 | 133.66 | -357.6 | -7.1 | 428.2 | 412.2 | 16.09 | 26.621 | | |
| 4,700.0 | 4,698.4 | 4,674.2 | 4,657.2 | 8.4 | 10.5 | 133.83 | -366.6 | -8.6 | 439.3 | 422.9 | 16.44 | 26.726 | | |
| 4,800.0 | 4,798.3 | 4,773.5 | 4,756.1 | 8.6 | 10.8 | 134.00 | -375.6 | -10.1 | 450.4 | 433.6 | 16.79 | 26.827 | | |
| 4,900.0 | 4,898.3 | 4,872.9 | 4,855.1 | 8.8 | 11.0 | 134.15 | -384.5 | -11.7 | 461.5 | 444.4 | 17.14 | 26.923 | | |
| 5,000.0 | 4,998.3 | 4,972.3 | 4,954.0 | 9.0 | 11.2 | 134.30 | -393.5 | -13.2 | 472.6 | 455.1 | 17.49 | 27.016 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4J-32H-O268 - 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 | | | 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 | |
| 5,100.0 | 5,098.2 | 5,071.7 | 5,053.0 | 9.2 | 11.5 | 134.44 | -402.5 | -14.8 | 483.7 | 465.9 | 17.85 | 27.106 | |
| 5,200.0 | 5,198.2 | 5,171.0 | 5,151.9 | 9.3 | 11.7 | 134.57 | -411.5 | -16.3 | 494.9 | 476.7 | 18.20 | 27.192 | |
| 7,000.0 | 6,996.1 | 7,839.4 | 7,429.0 | 12.5 | 13.9 | 119.28 | 65.6 | -63.6 | 487.0 | 461.0 | 25.94 | 18.771 | |
| 7,100.0 | 7,090.4 | 7,806.7 | 7,429.0 | 12.7 | 13.8 | 123.38 | 32.9 | -63.1 | 406.1 | 380.5 | 25.67 | 15.822 | |
| 7,200.0 | 7,177.6 | 7,738.5 | 7,427.3 | 12.9 | 13.6 | 119.73 | -35.3 | -61.8 | 336.7 | 311.3 | 25.45 | 13.234 | |
| 7,300.0 | 7,255.0 | 7,657.4 | 7,415.4 | 13.1 | 13.6 | 111.24 | -115.4 | -60.2 | 278.9 | 253.2 | 25.74 | 10.838 | |
| 7,400.0 | 7,320.4 | 7,587.1 | 7,396.1 | 13.5 | 13.7 | 101.45 | -182.9 | -58.7 | 239.0 | 212.4 | 26.53 | 9.008 | |
| 7,500.0 | 7,371.6 | 7,522.8 | 7,371.2 | 14.1 | 13.8 | 89.76 | -242.2 | -57.3 | 223.8 | 196.3 | 27.52 | 8.133 | |
| 7,505.5 | 7,374.0 | 7,519.3 | 7,369.7 | 14.2 | 13.9 | 89.07 | -245.3 | -57.2 | 223.8 | 196.2 | 27.58 | 8.116 SF | |
| 7,600.0 | 7,407.2 | 7,461.9 | 7,341.7 | 14.9 | 14.0 | 76.81 | -295.4 | -55.8 | 234.8 | 206.8 | 28.05 | 8.372 | |
| 7,700.0 | 7,426.0 | 7,400.0 | 7,306.1 | 15.8 | 14.3 | 63.67 | -346.0 | -54.3 | 264.9 | 237.3 | 27.58 | 9.605 | |
| 7,800.0 | 7,429.0 | 7,350.0 | 7,273.5 | 16.9 | 14.5 | 55.05 | -383.8 | -53.1 | 305.5 | 278.5 | 27.00 | 11.316 | |
| 7,900.0 | 7,429.0 | 7,300.0 | 7,237.7 | 18.1 | 14.7 | 49.12 | -418.7 | -51.9 | 357.9 | 331.2 | 26.69 | 13.407 | |
| 8,000.0 | 7,429.0 | 7,250.0 | 7,199.0 | 19.4 | 14.9 | 43.67 | -450.3 | -50.7 | 420.7 | 394.5 | 26.25 | 16.029 | |
| 8,100.0 | 7,429.0 | 7,223.2 | 7,177.2 | 20.7 | 15.0 | 40.99 | -465.9 | -50.0 | 491.1 | 464.7 | 26.38 | 18.612 | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4K-32H-O268 - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|---------------|--------------------|--------|
| Survey Program: O-Geolink 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 | 90.31 | -0.3 | 60.0 | 60.0 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 90.31 | -0.3 | 60.0 | 60.0 | 59.7 | 0.30 | 203.236 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 90.31 | -0.3 | 60.0 | 60.0 | 59.4 | 0.64 | 93.164 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 90.31 | -0.3 | 60.0 | 60.0 | 59.0 | 0.99 | 60.417 | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.7 | 0.7 | 90.31 | -0.3 | 60.0 | 60.0 | 58.7 | 1.34 | 44.704 CC, ES | | |
| 500.0 | 500.0 | 498.5 | 498.5 | 0.8 | 0.8 | 91.02 | -1.1 | 60.4 | 60.4 | 58.7 | 1.69 | 35.724 | | |
| 600.0 | 600.0 | 597.9 | 597.9 | 1.0 | 1.0 | 33.01 | -3.4 | 61.6 | 60.9 | 58.9 | 2.04 | 29.853 | | |
| 700.0 | 700.0 | 697.2 | 697.1 | 1.2 | 1.2 | 37.70 | -7.2 | 63.6 | 61.3 | 58.9 | 2.40 | 25.581 | | |
| 800.0 | 799.9 | 796.3 | 796.0 | 1.4 | 1.4 | 43.69 | -12.5 | 66.3 | 63.0 | 60.2 | 2.75 | 22.851 | | |
| 900.0 | 899.9 | 895.2 | 894.6 | 1.6 | 1.6 | 50.30 | -19.3 | 69.9 | 66.6 | 63.4 | 3.12 | 21.360 | | |
| 1,000.0 | 999.8 | 994.0 | 992.9 | 1.7 | 1.8 | 56.94 | -27.6 | 74.2 | 72.3 | 68.8 | 3.48 | 20.811 | | |
| 1,100.0 | 1,099.8 | 1,093.5 | 1,091.9 | 1.9 | 2.0 | 62.74 | -36.3 | 78.7 | 79.4 | 75.5 | 3.83 | 20.711 | | |
| 1,200.0 | 1,199.8 | 1,192.9 | 1,190.9 | 2.1 | 2.3 | 67.57 | -45.1 | 83.3 | 87.1 | 82.9 | 4.18 | 20.808 | | |
| 1,300.0 | 1,299.7 | 1,292.4 | 1,289.8 | 2.3 | 2.5 | 71.59 | -53.9 | 87.8 | 95.3 | 90.8 | 4.53 | 21.012 | | |
| 1,400.0 | 1,399.7 | 1,391.8 | 1,388.8 | 2.5 | 2.7 | 74.96 | -62.6 | 92.4 | 103.9 | 99.0 | 4.88 | 21.273 | | |
| 1,500.0 | 1,499.6 | 1,491.3 | 1,487.8 | 2.6 | 3.0 | 77.81 | -71.4 | 96.9 | 112.8 | 107.6 | 5.23 | 21.557 | | |
| 1,600.0 | 1,599.6 | 1,590.7 | 1,586.7 | 2.8 | 3.2 | 80.23 | -80.2 | 101.5 | 122.0 | 116.4 | 5.58 | 21.849 | | |
| 1,700.0 | 1,699.6 | 1,690.2 | 1,685.7 | 3.0 | 3.4 | 82.32 | -88.9 | 106.0 | 131.3 | 125.4 | 5.93 | 22.136 | | |
| 1,800.0 | 1,799.5 | 1,789.7 | 1,784.7 | 3.2 | 3.7 | 84.13 | -97.7 | 110.6 | 140.8 | 134.5 | 6.28 | 22.413 | | |
| 1,900.0 | 1,899.5 | 1,889.1 | 1,883.6 | 3.4 | 3.9 | 85.70 | -106.5 | 115.2 | 150.4 | 143.8 | 6.63 | 22.677 | | |
| 2,000.0 | 1,999.4 | 1,988.6 | 1,982.6 | 3.5 | 4.2 | 87.09 | -115.2 | 119.7 | 160.2 | 153.2 | 6.99 | 22.927 | | |
| 2,100.0 | 2,099.4 | 2,088.0 | 2,081.6 | 3.7 | 4.4 | 88.32 | -124.0 | 124.3 | 170.0 | 162.6 | 7.34 | 23.163 | | |
| 2,200.0 | 2,199.4 | 2,187.5 | 2,180.5 | 3.9 | 4.6 | 89.41 | -132.8 | 128.8 | 179.8 | 172.1 | 7.69 | 23.384 | | |
| 2,300.0 | 2,299.3 | 2,286.9 | 2,279.5 | 4.1 | 4.9 | 90.39 | -141.5 | 133.4 | 189.8 | 181.7 | 8.04 | 23.592 | | |
| 2,400.0 | 2,399.3 | 2,386.4 | 2,378.5 | 4.3 | 5.1 | 91.27 | -150.3 | 137.9 | 199.7 | 191.3 | 8.40 | 23.787 | | |
| 2,500.0 | 2,499.3 | 2,485.9 | 2,477.4 | 4.4 | 5.4 | 92.07 | -159.0 | 142.5 | 209.8 | 201.0 | 8.75 | 23.970 | | |
| 2,600.0 | 2,599.2 | 2,585.3 | 2,576.4 | 4.6 | 5.6 | 92.80 | -167.8 | 147.0 | 219.8 | 210.7 | 9.10 | 24.141 | | |
| 2,700.0 | 2,699.2 | 2,684.8 | 2,675.3 | 4.8 | 5.9 | 93.46 | -176.6 | 151.6 | 229.9 | 220.4 | 9.46 | 24.302 | | |
| 2,800.0 | 2,799.1 | 2,784.2 | 2,774.3 | 5.0 | 6.1 | 94.07 | -185.3 | 156.2 | 240.0 | 230.2 | 9.81 | 24.454 | | |
| 2,900.0 | 2,899.1 | 2,883.7 | 2,873.3 | 5.2 | 6.3 | 94.62 | -194.1 | 160.7 | 250.1 | 240.0 | 10.17 | 24.596 | | |
| 3,000.0 | 2,999.1 | 2,983.1 | 2,972.2 | 5.3 | 6.6 | 95.14 | -202.9 | 165.3 | 260.3 | 249.8 | 10.53 | 24.730 | | |
| 3,100.0 | 3,099.0 | 3,082.6 | 3,071.2 | 5.5 | 6.8 | 95.61 | -211.6 | 169.8 | 270.5 | 259.6 | 10.88 | 24.857 | | |
| 3,200.0 | 3,199.0 | 3,182.0 | 3,170.2 | 5.7 | 7.1 | 96.05 | -220.4 | 174.4 | 280.7 | 269.4 | 11.24 | 24.976 | | |
| 3,300.0 | 3,298.9 | 3,281.5 | 3,269.1 | 5.9 | 7.3 | 96.46 | -229.2 | 178.9 | 290.9 | 279.3 | 11.59 | 25.090 | | |
| 3,400.0 | 3,398.9 | 3,381.0 | 3,368.1 | 6.1 | 7.6 | 96.85 | -237.9 | 183.5 | 301.1 | 289.2 | 11.95 | 25.197 | | |
| 3,500.0 | 3,498.9 | 3,480.4 | 3,467.1 | 6.3 | 7.8 | 97.20 | -246.7 | 188.0 | 311.4 | 299.0 | 12.31 | 25.298 | | |
| 3,600.0 | 3,598.8 | 3,579.9 | 3,566.0 | 6.4 | 8.0 | 97.54 | -255.5 | 192.6 | 321.6 | 308.9 | 12.66 | 25.394 | | |
| 3,700.0 | 3,698.8 | 3,679.3 | 3,665.0 | 6.6 | 8.3 | 97.85 | -264.2 | 197.2 | 331.9 | 318.8 | 13.02 | 25.486 | | |
| 3,800.0 | 3,798.7 | 3,778.8 | 3,764.0 | 6.8 | 8.5 | 98.14 | -273.0 | 201.7 | 342.1 | 328.8 | 13.38 | 25.573 | | |
| 3,900.0 | 3,898.7 | 3,878.2 | 3,862.9 | 7.0 | 8.8 | 98.42 | -281.8 | 206.3 | 352.4 | 338.7 | 13.74 | 25.656 | | |
| 4,000.0 | 3,998.7 | 3,977.7 | 3,961.9 | 7.2 | 9.0 | 98.68 | -290.5 | 210.8 | 362.7 | 348.6 | 14.09 | 25.735 | | |
| 4,100.0 | 4,098.6 | 4,077.2 | 4,060.9 | 7.3 | 9.3 | 98.93 | -299.3 | 215.4 | 373.0 | 358.5 | 14.45 | 25.810 | | |
| 4,200.0 | 4,198.6 | 4,176.6 | 4,159.8 | 7.5 | 9.5 | 99.16 | -308.1 | 219.9 | 383.3 | 368.5 | 14.81 | 25.882 | | |
| 4,300.0 | 4,298.5 | 4,276.1 | 4,258.8 | 7.7 | 9.8 | 99.39 | -316.8 | 224.5 | 393.6 | 378.4 | 15.17 | 25.951 | | |
| 4,400.0 | 4,398.5 | 4,375.5 | 4,357.7 | 7.9 | 10.0 | 99.60 | -325.6 | 229.0 | 403.9 | 388.4 | 15.52 | 26.016 | | |
| 4,500.0 | 4,498.5 | 4,475.0 | 4,456.7 | 8.1 | 10.2 | 99.80 | -334.3 | 233.6 | 414.2 | 398.3 | 15.88 | 26.079 | | |
| 4,600.0 | 4,598.4 | 4,574.4 | 4,555.7 | 8.2 | 10.5 | 99.99 | -343.1 | 238.2 | 424.5 | 408.3 | 16.24 | 26.140 | | |
| 4,700.0 | 4,698.4 | 4,673.9 | 4,654.6 | 8.4 | 10.7 | 100.17 | -351.9 | 242.7 | 434.9 | 418.3 | 16.60 | 26.198 | | |
| 4,800.0 | 4,798.3 | 4,773.4 | 4,753.6 | 8.6 | 11.0 | 100.34 | -360.6 | 247.3 | 445.2 | 428.2 | 16.96 | 26.253 | | |
| 4,900.0 | 4,898.3 | 4,872.8 | 4,852.6 | 8.8 | 11.2 | 100.51 | -369.4 | 251.8 | 455.5 | 438.2 | 17.32 | 26.307 | | |
| 5,000.0 | 4,998.3 | 4,972.3 | 4,951.5 | 9.0 | 11.5 | 100.66 | -378.2 | 256.4 | 465.9 | 448.2 | 17.67 | 26.358 | | |
| 5,100.0 | 5,098.2 | 5,071.7 | 5,050.5 | 9.2 | 11.7 | 100.82 | -386.9 | 260.9 | 476.2 | 458.2 | 18.03 | 26.407 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4K-32H-O268 - 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 | | | 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 | | |
| 5,200.0 | 5,198.2 | 5,171.2 | 5,149.5 | 9.3 | 12.0 | 100.96 | -395.7 | 265.5 | 486.5 | 468.1 | 18.39 | 26.455 | | |
| 5,300.0 | 5,298.1 | 5,270.6 | 5,248.4 | 9.5 | 12.2 | 101.10 | -404.5 | 270.0 | 496.9 | 478.1 | 18.75 | 26.501 | | |
| 7,300.0 | 7,255.0 | 7,732.1 | 7,614.7 | 13.1 | 15.4 | -110.63 | -315.7 | 368.5 | 479.6 | 452.4 | 27.21 | 17.624 | | |
| 7,400.0 | 7,320.4 | 7,665.3 | 7,574.4 | 13.5 | 15.7 | -111.03 | -368.8 | 368.7 | 392.6 | 365.0 | 27.60 | 14.223 | | |
| 7,500.0 | 7,371.6 | 7,608.6 | 7,535.5 | 14.1 | 15.9 | -109.69 | -410.0 | 368.4 | 313.3 | 285.2 | 28.19 | 11.115 | | |
| 7,600.0 | 7,407.2 | 7,555.0 | 7,495.1 | 14.9 | 16.1 | -104.99 | -445.3 | 367.9 | 248.1 | 218.8 | 29.28 | 8.473 | | |
| 7,700.0 | 7,426.0 | 7,502.6 | 7,452.7 | 15.8 | 16.3 | -96.46 | -475.9 | 367.2 | 207.0 | 176.2 | 30.80 | 6.720 | | |
| 7,765.6 | 7,430.5 | 7,470.1 | 7,425.0 | 16.5 | 16.4 | -88.69 | -493.0 | 366.6 | 198.7 | 166.9 | 31.78 | 6.252 | | |
| 7,800.0 | 7,429.0 | 7,452.2 | 7,409.4 | 16.9 | 16.5 | -84.63 | -501.6 | 366.2 | 200.9 | 168.7 | 32.16 | 6.246 SF | | |
| 7,900.0 | 7,429.0 | 7,412.6 | 7,373.9 | 18.1 | 16.6 | -74.66 | -519.1 | 365.3 | 231.6 | 198.8 | 32.75 | 7.071 | | |
| 8,000.0 | 7,429.0 | 7,382.3 | 7,345.9 | 19.4 | 16.7 | -67.34 | -530.8 | 364.5 | 289.9 | 256.9 | 33.00 | 8.784 | | |
| 8,100.0 | 7,429.0 | 7,350.0 | 7,315.5 | 20.7 | 16.7 | -60.10 | -541.7 | 363.6 | 364.2 | 331.4 | 32.80 | 11.103 | | |
| 8,200.0 | 7,429.0 | 7,339.4 | 7,305.3 | 22.1 | 16.8 | -57.87 | -544.9 | 363.3 | 446.8 | 413.3 | 33.46 | 13.352 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4L-32H-O268 - Hz - Plan #1 | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|------------------------------|----------------------|---------|---------------|--------------------|--------|
| Survey Program: O-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 | 85.03 | 5.7 | 65.0 | 65.3 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 85.03 | 5.7 | 65.0 | 65.3 | 65.0 | 0.30 | 221.109 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 85.03 | 5.7 | 65.0 | 65.3 | 64.6 | 0.64 | 101.357 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 85.03 | 5.7 | 65.0 | 65.3 | 64.3 | 0.99 | 65.730 | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.7 | 0.7 | 85.03 | 5.7 | 65.0 | 65.3 | 63.9 | 1.34 | 48.635 | | |
| 500.0 | 500.0 | 499.0 | 499.0 | 0.8 | 0.8 | 85.03 | 5.7 | 65.0 | 65.3 | 63.6 | 1.69 | 38.597 | | |
| 600.0 | 600.0 | 598.3 | 598.3 | 1.0 | 1.0 | 25.41 | 5.0 | 65.6 | 65.0 | 62.9 | 2.04 | 31.866 | | |
| 700.0 | 700.0 | 697.6 | 697.6 | 1.2 | 1.2 | 28.18 | 3.1 | 67.3 | 64.4 | 62.0 | 2.39 | 26.937 | | |
| 721.2 | 721.2 | 718.6 | 718.6 | 1.2 | 1.2 | 28.96 | 2.5 | 67.7 | 64.3 | 61.9 | 2.46 | 26.105 CC, ES | | |
| 800.0 | 799.9 | 796.7 | 796.6 | 1.4 | 1.4 | 32.27 | -0.2 | 70.0 | 64.8 | 62.0 | 2.74 | 23.624 | | |
| 900.0 | 899.9 | 895.7 | 895.4 | 1.6 | 1.6 | 37.27 | -4.7 | 73.9 | 66.8 | 63.7 | 3.10 | 21.568 | | |
| 1,000.0 | 999.8 | 994.5 | 993.9 | 1.7 | 1.8 | 42.76 | -10.5 | 78.9 | 70.7 | 67.3 | 3.46 | 20.469 | | |
| 1,100.0 | 1,099.8 | 1,093.0 | 1,092.0 | 1.9 | 2.0 | 48.29 | -17.6 | 85.0 | 76.7 | 72.9 | 3.81 | 20.119 | | |
| 1,200.0 | 1,199.8 | 1,191.2 | 1,189.5 | 2.1 | 2.2 | 53.46 | -25.9 | 92.2 | 84.9 | 80.7 | 4.17 | 20.359 | | |
| 1,300.0 | 1,299.7 | 1,290.1 | 1,287.6 | 2.3 | 2.5 | 58.01 | -35.3 | 100.2 | 94.8 | 90.3 | 4.52 | 20.962 | | |
| 1,400.0 | 1,399.7 | 1,389.3 | 1,386.1 | 2.5 | 2.7 | 61.72 | -44.7 | 108.3 | 105.2 | 100.4 | 4.87 | 21.596 | | |
| 1,500.0 | 1,499.6 | 1,488.5 | 1,484.5 | 2.6 | 3.0 | 64.74 | -54.1 | 116.4 | 116.1 | 110.8 | 5.22 | 22.219 | | |
| 1,600.0 | 1,599.6 | 1,587.8 | 1,583.0 | 2.8 | 3.2 | 67.24 | -63.5 | 124.5 | 127.2 | 121.6 | 5.57 | 22.813 | | |
| 1,700.0 | 1,699.6 | 1,687.0 | 1,681.5 | 3.0 | 3.5 | 69.34 | -73.0 | 132.6 | 138.4 | 132.5 | 5.92 | 23.371 | | |
| 1,800.0 | 1,799.5 | 1,786.3 | 1,779.9 | 3.2 | 3.8 | 71.13 | -82.4 | 140.6 | 149.9 | 143.6 | 6.27 | 23.891 | | |
| 1,900.0 | 1,899.5 | 1,885.5 | 1,878.4 | 3.4 | 4.0 | 72.66 | -91.8 | 148.7 | 161.4 | 154.8 | 6.62 | 24.373 | | |
| 2,000.0 | 1,999.4 | 1,984.8 | 1,976.9 | 3.5 | 4.3 | 73.98 | -101.2 | 156.8 | 173.1 | 166.1 | 6.98 | 24.818 | | |
| 2,100.0 | 2,099.4 | 2,084.0 | 2,075.3 | 3.7 | 4.6 | 75.14 | -110.6 | 164.9 | 184.9 | 177.5 | 7.33 | 25.230 | | |
| 2,200.0 | 2,199.4 | 2,183.2 | 2,173.8 | 3.9 | 4.8 | 76.16 | -120.1 | 173.0 | 196.7 | 189.0 | 7.68 | 25.611 | | |
| 2,300.0 | 2,299.3 | 2,282.5 | 2,272.2 | 4.1 | 5.1 | 77.06 | -129.5 | 181.1 | 208.5 | 200.5 | 8.03 | 25.964 | | |
| 2,400.0 | 2,399.3 | 2,381.7 | 2,370.7 | 4.3 | 5.4 | 77.86 | -138.9 | 189.2 | 220.4 | 212.1 | 8.38 | 26.290 | | |
| 2,500.0 | 2,499.3 | 2,481.0 | 2,469.2 | 4.4 | 5.6 | 78.59 | -148.3 | 197.3 | 232.4 | 223.7 | 8.74 | 26.594 | | |
| 2,600.0 | 2,599.2 | 2,580.2 | 2,567.6 | 4.6 | 5.9 | 79.24 | -157.7 | 205.4 | 244.4 | 235.3 | 9.09 | 26.876 | | |
| 2,700.0 | 2,699.2 | 2,679.5 | 2,666.1 | 4.8 | 6.2 | 79.83 | -167.2 | 213.5 | 256.4 | 246.9 | 9.45 | 27.139 | | |
| 2,800.0 | 2,799.1 | 2,778.7 | 2,764.6 | 5.0 | 6.5 | 80.37 | -176.6 | 221.6 | 268.4 | 258.6 | 9.80 | 27.384 | | |
| 2,900.0 | 2,899.1 | 2,877.9 | 2,863.0 | 5.2 | 6.7 | 80.86 | -186.0 | 229.7 | 280.5 | 270.3 | 10.16 | 27.613 | | |
| 3,000.0 | 2,999.1 | 2,977.2 | 2,961.5 | 5.3 | 7.0 | 81.31 | -195.4 | 237.8 | 292.5 | 282.0 | 10.51 | 27.828 | | |
| 3,100.0 | 3,099.0 | 3,076.4 | 3,059.9 | 5.5 | 7.3 | 81.73 | -204.8 | 245.9 | 304.6 | 293.8 | 10.87 | 28.030 | | |
| 3,200.0 | 3,199.0 | 3,175.7 | 3,158.4 | 5.7 | 7.6 | 82.11 | -214.3 | 253.9 | 316.7 | 305.5 | 11.22 | 28.219 | | |
| 3,300.0 | 3,298.9 | 3,274.9 | 3,256.9 | 5.9 | 7.8 | 82.47 | -223.7 | 262.0 | 328.9 | 317.3 | 11.58 | 28.397 | | |
| 3,400.0 | 3,398.9 | 3,374.2 | 3,355.3 | 6.1 | 8.1 | 82.80 | -233.1 | 270.1 | 341.0 | 329.1 | 11.94 | 28.565 | | |
| 3,500.0 | 3,498.9 | 3,473.4 | 3,453.8 | 6.3 | 8.4 | 83.10 | -242.5 | 278.2 | 353.1 | 340.8 | 12.29 | 28.723 | | |
| 3,600.0 | 3,598.8 | 3,572.6 | 3,552.3 | 6.4 | 8.7 | 83.39 | -251.9 | 286.3 | 365.3 | 352.6 | 12.65 | 28.873 | | |
| 3,700.0 | 3,698.8 | 3,671.9 | 3,650.7 | 6.6 | 8.9 | 83.66 | -261.4 | 294.4 | 377.4 | 364.4 | 13.01 | 29.015 | | |
| 3,800.0 | 3,798.7 | 3,771.1 | 3,749.2 | 6.8 | 9.2 | 83.91 | -270.8 | 302.5 | 389.6 | 376.2 | 13.37 | 29.149 | | |
| 3,900.0 | 3,898.7 | 3,870.4 | 3,847.6 | 7.0 | 9.5 | 84.15 | -280.2 | 310.6 | 401.8 | 388.1 | 13.72 | 29.277 | | |
| 4,000.0 | 3,998.7 | 3,969.6 | 3,946.1 | 7.2 | 9.8 | 84.37 | -289.6 | 318.7 | 414.0 | 399.9 | 14.08 | 29.398 | | |
| 4,100.0 | 4,098.6 | 4,068.9 | 4,044.6 | 7.3 | 10.1 | 84.58 | -299.1 | 326.8 | 426.1 | 411.7 | 14.44 | 29.514 | | |
| 4,200.0 | 4,198.6 | 4,168.1 | 4,143.0 | 7.5 | 10.3 | 84.78 | -308.5 | 334.9 | 438.3 | 423.5 | 14.80 | 29.624 | | |
| 4,300.0 | 4,298.5 | 4,267.4 | 4,241.5 | 7.7 | 10.6 | 84.97 | -317.9 | 343.0 | 450.5 | 435.4 | 15.15 | 29.729 | | |
| 4,400.0 | 4,398.5 | 4,366.6 | 4,340.0 | 7.9 | 10.9 | 85.14 | -327.3 | 351.1 | 462.7 | 447.2 | 15.51 | 29.829 | | |
| 4,500.0 | 4,498.5 | 4,465.8 | 4,438.4 | 8.1 | 11.2 | 85.31 | -336.7 | 359.1 | 474.9 | 459.1 | 15.87 | 29.924 | | |
| 4,600.0 | 4,598.4 | 4,565.1 | 4,536.9 | 8.2 | 11.4 | 85.47 | -346.2 | 367.2 | 487.1 | 470.9 | 16.23 | 30.016 | | |
| 4,700.0 | 4,698.4 | 4,664.3 | 4,635.4 | 8.4 | 11.7 | 85.63 | -355.6 | 375.3 | 499.3 | 482.8 | 16.59 | 30.103 | | |
| 7,300.0 | 7,255.0 | 7,681.9 | 7,416.0 | 13.1 | 16.4 | -100.05 | -113.8 | 599.4 | 466.5 | 440.2 | 26.39 | 17.679 | | |
| 7,400.0 | 7,320.4 | 7,606.2 | 7,395.2 | 13.5 | 16.5 | -94.73 | -186.5 | 598.4 | 441.2 | 414.3 | 26.91 | 16.398 | | |
| 7,500.0 | 7,371.6 | 7,538.3 | 7,368.6 | 14.1 | 16.6 | -88.72 | -248.8 | 596.8 | 430.5 | 402.9 | 27.59 | 15.602 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | | | | | | | | | | | | | S32-T2N-R68W (File/Hwy 52) - Hwy 52 4L-32H-O268 - 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 | | | | Distance | | | | | | | | | | |
| Measured Depth | Vertical Depth | Measured Depth | Vertical Depth | Reference | Offset | Highside Toolface | Offset Wellbore Centre | Between Centres | Between Ellipses | Total Uncertainty | Separation | Warning | | | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | Axis | Factor | | | | | | |
| 7,525.4 | 7,382.2 | 7,521.9 | 7,361.0 | 14.3 | 16.7 | -87.07 | -263.4 | 596.3 | 430.0 | 402.2 | 27.80 | 15.468 | | | | | | |
| 7,600.0 | 7,407.2 | 7,475.1 | 7,337.3 | 14.9 | 16.8 | -82.00 | -303.7 | 594.7 | 433.6 | 405.3 | 28.36 | 15.292 SF | | | | | | |
| 7,700.0 | 7,426.0 | 7,414.7 | 7,302.0 | 15.8 | 17.0 | -74.87 | -352.6 | 592.2 | 448.2 | 419.1 | 29.11 | 15.396 | | | | | | |
| 7,800.0 | 7,429.0 | 7,357.1 | 7,263.7 | 16.9 | 17.2 | -68.71 | -395.5 | 589.5 | 471.3 | 441.5 | 29.83 | 15.802 | | | | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4M-32H-O268 - 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 | 87.69 | 3.5 | 86.7 | 86.8 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 87.69 | 3.5 | 86.7 | 86.8 | 86.5 | 0.30 | 293.996 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 87.69 | 3.5 | 86.7 | 86.8 | 86.2 | 0.64 | 134.768 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 87.69 | 3.5 | 86.7 | 86.8 | 85.8 | 0.99 | 87.398 | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.7 | 0.7 | 87.69 | 3.5 | 86.7 | 86.8 | 85.5 | 1.34 | 64.668 | | |
| 500.0 | 500.0 | 499.0 | 499.0 | 0.8 | 0.8 | 87.69 | 3.5 | 86.7 | 86.8 | 85.1 | 1.69 | 51.320 | | |
| 600.0 | 600.0 | 599.0 | 599.0 | 1.0 | 1.0 | 27.40 | 3.5 | 86.7 | 86.0 | 84.0 | 2.04 | 42.161 | | |
| 700.0 | 700.0 | 697.8 | 697.8 | 1.2 | 1.2 | 28.53 | 3.0 | 87.4 | 84.5 | 82.1 | 2.39 | 35.383 | | |
| 777.2 | 777.1 | 774.1 | 774.1 | 1.3 | 1.3 | 30.00 | 1.9 | 88.8 | 84.0 | 81.4 | 2.66 | 31.631 CC | | |
| 800.0 | 799.9 | 796.6 | 796.6 | 1.4 | 1.4 | 30.51 | 1.5 | 89.4 | 84.1 | 81.3 | 2.74 | 30.725 ES | | |
| 900.0 | 899.9 | 895.4 | 895.2 | 1.6 | 1.5 | 33.14 | -1.1 | 92.8 | 85.2 | 82.1 | 3.09 | 27.603 | | |
| 1,000.0 | 999.8 | 993.9 | 993.6 | 1.7 | 1.7 | 36.26 | -4.7 | 97.5 | 88.0 | 84.6 | 3.44 | 25.588 | | |
| 1,100.0 | 1,099.8 | 1,092.3 | 1,091.7 | 1.9 | 1.9 | 39.66 | -9.3 | 103.6 | 92.6 | 88.8 | 3.79 | 24.408 | | |
| 1,200.0 | 1,199.8 | 1,190.5 | 1,189.4 | 2.1 | 2.1 | 43.12 | -14.9 | 110.9 | 99.0 | 94.9 | 4.15 | 23.878 | | |
| 1,300.0 | 1,299.7 | 1,288.3 | 1,286.6 | 2.3 | 2.4 | 46.46 | -21.5 | 119.6 | 107.4 | 102.9 | 4.50 | 23.863 SF | | |
| 1,400.0 | 1,399.7 | 1,385.7 | 1,383.3 | 2.5 | 2.6 | 49.54 | -29.0 | 129.6 | 117.7 | 112.8 | 4.85 | 24.257 | | |
| 1,500.0 | 1,499.6 | 1,482.8 | 1,479.3 | 2.6 | 2.9 | 52.30 | -37.6 | 140.8 | 129.9 | 124.7 | 5.20 | 24.979 | | |
| 1,600.0 | 1,599.6 | 1,581.6 | 1,577.0 | 2.8 | 3.2 | 54.71 | -46.8 | 152.9 | 143.3 | 137.8 | 5.55 | 25.805 | | |
| 1,700.0 | 1,699.6 | 1,680.6 | 1,674.7 | 3.0 | 3.5 | 56.70 | -56.0 | 165.0 | 156.9 | 151.0 | 5.90 | 26.572 | | |
| 1,800.0 | 1,799.5 | 1,779.5 | 1,772.5 | 3.2 | 3.7 | 58.38 | -65.2 | 177.2 | 170.6 | 164.4 | 6.25 | 27.280 | | |
| 1,900.0 | 1,899.5 | 1,878.5 | 1,870.3 | 3.4 | 4.0 | 59.80 | -74.4 | 189.3 | 184.5 | 177.9 | 6.60 | 27.932 | | |
| 2,000.0 | 1,999.4 | 1,977.4 | 1,968.0 | 3.5 | 4.3 | 61.03 | -83.7 | 201.5 | 198.4 | 191.5 | 6.95 | 28.532 | | |
| 2,100.0 | 2,099.4 | 2,076.3 | 2,065.8 | 3.7 | 4.6 | 62.09 | -92.9 | 213.6 | 212.5 | 205.2 | 7.31 | 29.084 | | |
| 2,200.0 | 2,199.4 | 2,175.3 | 2,163.5 | 3.9 | 4.9 | 63.03 | -102.1 | 225.7 | 226.6 | 218.9 | 7.66 | 29.592 | | |
| 2,300.0 | 2,299.3 | 2,274.2 | 2,261.3 | 4.1 | 5.2 | 63.85 | -111.3 | 237.9 | 240.7 | 232.7 | 8.01 | 30.062 | | |
| 2,400.0 | 2,399.3 | 2,373.2 | 2,359.0 | 4.3 | 5.6 | 64.58 | -120.5 | 250.0 | 254.9 | 246.5 | 8.36 | 30.496 | | |
| 2,500.0 | 2,499.3 | 2,472.1 | 2,456.8 | 4.4 | 5.9 | 65.24 | -129.8 | 262.2 | 269.1 | 260.4 | 8.71 | 30.897 | | |
| 2,600.0 | 2,599.2 | 2,571.0 | 2,554.5 | 4.6 | 6.2 | 65.82 | -139.0 | 274.3 | 283.4 | 274.3 | 9.06 | 31.270 | | |
| 2,700.0 | 2,699.2 | 2,670.0 | 2,652.3 | 4.8 | 6.5 | 66.36 | -148.2 | 286.4 | 297.7 | 288.3 | 9.42 | 31.616 | | |
| 2,800.0 | 2,799.1 | 2,768.9 | 2,750.1 | 5.0 | 6.8 | 66.84 | -157.4 | 298.6 | 312.0 | 302.2 | 9.77 | 31.939 | | |
| 2,900.0 | 2,899.1 | 2,867.8 | 2,847.8 | 5.2 | 7.1 | 67.28 | -166.6 | 310.7 | 326.3 | 316.2 | 10.12 | 32.240 | | |
| 3,000.0 | 2,999.1 | 2,966.8 | 2,945.6 | 5.3 | 7.4 | 67.69 | -175.9 | 322.9 | 340.7 | 330.2 | 10.47 | 32.522 | | |
| 3,100.0 | 3,099.0 | 3,065.7 | 3,043.3 | 5.5 | 7.7 | 68.06 | -185.1 | 335.0 | 355.0 | 344.2 | 10.83 | 32.786 | | |
| 3,200.0 | 3,199.0 | 3,164.7 | 3,141.1 | 5.7 | 8.0 | 68.40 | -194.3 | 347.1 | 369.4 | 358.2 | 11.18 | 33.033 | | |
| 3,300.0 | 3,298.9 | 3,263.6 | 3,238.8 | 5.9 | 8.4 | 68.72 | -203.5 | 359.3 | 383.8 | 372.2 | 11.54 | 33.266 | | |
| 3,400.0 | 3,398.9 | 3,362.5 | 3,336.6 | 6.1 | 8.7 | 69.01 | -212.8 | 371.4 | 398.2 | 386.3 | 11.89 | 33.484 | | |
| 3,500.0 | 3,498.9 | 3,461.5 | 3,434.4 | 6.3 | 9.0 | 69.28 | -222.0 | 383.6 | 412.6 | 400.3 | 12.25 | 33.691 | | |
| 3,600.0 | 3,598.8 | 3,560.4 | 3,532.1 | 6.4 | 9.3 | 69.54 | -231.2 | 395.7 | 427.0 | 414.4 | 12.60 | 33.886 | | |
| 3,700.0 | 3,698.8 | 3,659.4 | 3,629.9 | 6.6 | 9.6 | 69.78 | -240.4 | 407.8 | 441.4 | 428.5 | 12.96 | 34.070 | | |
| 3,800.0 | 3,798.7 | 3,758.3 | 3,727.6 | 6.8 | 9.9 | 70.00 | -249.6 | 420.0 | 455.8 | 442.5 | 13.31 | 34.245 | | |
| 3,900.0 | 3,898.7 | 3,857.2 | 3,825.4 | 7.0 | 10.3 | 70.21 | -258.9 | 432.1 | 470.3 | 456.6 | 13.67 | 34.410 | | |
| 4,000.0 | 3,998.7 | 3,956.2 | 3,923.1 | 7.2 | 10.6 | 70.41 | -268.1 | 444.2 | 484.7 | 470.7 | 14.02 | 34.567 | | |
| 4,100.0 | 4,098.6 | 4,055.1 | 4,020.9 | 7.3 | 10.9 | 70.59 | -277.3 | 456.4 | 499.2 | 484.8 | 14.38 | 34.716 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4N-32H-O268 - 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 | | 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 | 85.57 | 7.2 | 92.3 | 92.6 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 85.57 | 7.2 | 92.3 | 92.6 | 92.3 | 0.30 | 313.648 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 85.57 | 7.2 | 92.3 | 92.6 | 92.0 | 0.64 | 143.777 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 85.57 | 7.2 | 92.3 | 92.6 | 91.6 | 0.99 | 93.240 | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.7 | 0.7 | 85.57 | 7.2 | 92.3 | 92.6 | 91.3 | 1.34 | 68.990 | | |
| 500.0 | 500.0 | 499.0 | 499.0 | 0.8 | 0.8 | 85.57 | 7.2 | 92.3 | 92.6 | 90.9 | 1.69 | 54.751 | | |
| 600.0 | 600.0 | 599.0 | 599.0 | 1.0 | 1.0 | 25.25 | 7.2 | 92.3 | 91.8 | 89.8 | 2.04 | 44.999 | | |
| 700.0 | 700.0 | 699.0 | 699.0 | 1.2 | 1.2 | 25.94 | 7.2 | 92.3 | 89.6 | 87.2 | 2.39 | 37.484 | | |
| 800.0 | 799.9 | 797.6 | 797.6 | 1.4 | 1.4 | 27.02 | 6.8 | 93.1 | 87.8 | 85.0 | 2.74 | 32.066 | | |
| 867.2 | 867.1 | 863.9 | 863.9 | 1.5 | 1.5 | 28.08 | 6.0 | 94.4 | 87.4 | 84.4 | 2.97 | 29.421 CC | | |
| 900.0 | 899.9 | 896.3 | 896.3 | 1.6 | 1.5 | 28.69 | 5.6 | 95.3 | 87.5 | 84.4 | 3.09 | 28.358 ES | | |
| 1,000.0 | 999.8 | 994.9 | 994.8 | 1.7 | 1.7 | 30.88 | 3.5 | 99.0 | 88.8 | 85.4 | 3.44 | 25.862 | | |
| 1,100.0 | 1,099.8 | 1,093.4 | 1,093.1 | 1.9 | 1.9 | 33.44 | 0.7 | 104.2 | 91.9 | 88.1 | 3.79 | 24.267 | | |
| 1,200.0 | 1,199.8 | 1,191.7 | 1,191.1 | 2.1 | 2.1 | 36.21 | -2.9 | 110.9 | 96.7 | 92.5 | 4.14 | 23.365 | | |
| 1,300.0 | 1,299.7 | 1,289.7 | 1,288.7 | 2.3 | 2.3 | 39.01 | -7.3 | 119.0 | 103.3 | 98.8 | 4.49 | 23.011 SF | | |
| 1,400.0 | 1,399.7 | 1,387.5 | 1,385.8 | 2.5 | 2.5 | 41.71 | -12.5 | 128.5 | 111.8 | 106.9 | 4.84 | 23.094 | | |
| 1,500.0 | 1,499.6 | 1,484.9 | 1,482.4 | 2.6 | 2.8 | 44.21 | -18.4 | 139.5 | 122.1 | 116.9 | 5.19 | 23.530 | | |
| 1,600.0 | 1,599.6 | 1,581.9 | 1,578.4 | 2.8 | 3.0 | 46.45 | -25.1 | 151.9 | 134.3 | 128.8 | 5.54 | 24.250 | | |
| 1,700.0 | 1,699.6 | 1,678.4 | 1,673.7 | 3.0 | 3.3 | 48.42 | -32.5 | 165.6 | 148.4 | 142.5 | 5.89 | 25.202 | | |
| 1,800.0 | 1,799.5 | 1,774.5 | 1,768.2 | 3.2 | 3.6 | 50.12 | -40.7 | 180.7 | 164.2 | 158.0 | 6.23 | 26.341 | | |
| 1,900.0 | 1,899.5 | 1,869.9 | 1,861.8 | 3.4 | 4.0 | 51.57 | -49.5 | 197.0 | 181.8 | 175.2 | 6.58 | 27.633 | | |
| 2,000.0 | 1,999.4 | 1,966.0 | 1,955.8 | 3.5 | 4.3 | 52.82 | -59.1 | 214.7 | 201.0 | 194.1 | 6.92 | 29.029 | | |
| 2,100.0 | 2,099.4 | 2,064.0 | 2,051.5 | 3.7 | 4.7 | 53.88 | -69.0 | 233.1 | 220.6 | 213.3 | 7.27 | 30.333 | | |
| 2,200.0 | 2,199.4 | 2,162.0 | 2,147.2 | 3.9 | 5.0 | 54.76 | -79.0 | 251.4 | 240.3 | 232.7 | 7.62 | 31.527 | | |
| 2,300.0 | 2,299.3 | 2,260.0 | 2,243.0 | 4.1 | 5.4 | 55.51 | -88.9 | 269.8 | 260.0 | 252.0 | 7.97 | 32.622 | | |
| 2,400.0 | 2,399.3 | 2,357.9 | 2,338.7 | 4.3 | 5.8 | 56.16 | -98.9 | 288.2 | 279.8 | 271.4 | 8.32 | 33.628 | | |
| 2,500.0 | 2,499.3 | 2,455.9 | 2,434.4 | 4.4 | 6.2 | 56.72 | -108.8 | 306.5 | 299.6 | 290.9 | 8.67 | 34.556 | | |
| 2,600.0 | 2,599.2 | 2,553.9 | 2,530.2 | 4.6 | 6.6 | 57.21 | -118.7 | 324.9 | 319.4 | 310.3 | 9.02 | 35.413 | | |
| 2,700.0 | 2,699.2 | 2,651.9 | 2,625.9 | 4.8 | 7.0 | 57.64 | -128.7 | 343.2 | 339.2 | 329.8 | 9.37 | 36.208 | | |
| 2,800.0 | 2,799.1 | 2,749.9 | 2,721.6 | 5.0 | 7.4 | 58.03 | -138.6 | 361.6 | 359.0 | 349.3 | 9.72 | 36.946 | | |
| 2,900.0 | 2,899.1 | 2,847.9 | 2,817.4 | 5.2 | 7.8 | 58.37 | -148.6 | 380.0 | 378.9 | 368.8 | 10.07 | 37.633 | | |
| 3,000.0 | 2,999.1 | 2,945.9 | 2,913.1 | 5.3 | 8.1 | 58.68 | -158.5 | 398.3 | 398.8 | 388.4 | 10.42 | 38.275 | | |
| 3,100.0 | 3,099.0 | 3,043.8 | 3,008.8 | 5.5 | 8.5 | 58.96 | -168.4 | 416.7 | 418.7 | 407.9 | 10.77 | 38.874 | | |
| 3,200.0 | 3,199.0 | 3,141.8 | 3,104.6 | 5.7 | 8.9 | 59.22 | -178.4 | 435.1 | 438.6 | 427.4 | 11.12 | 39.436 | | |
| 3,300.0 | 3,298.9 | 3,239.8 | 3,200.3 | 5.9 | 9.3 | 59.45 | -188.3 | 453.4 | 458.5 | 447.0 | 11.47 | 39.964 | | |
| 3,400.0 | 3,398.9 | 3,337.8 | 3,296.0 | 6.1 | 9.7 | 59.67 | -198.3 | 471.8 | 478.4 | 466.5 | 11.82 | 40.460 | | |
| 3,500.0 | 3,498.9 | 3,435.8 | 3,391.8 | 6.3 | 10.1 | 59.86 | -208.2 | 490.1 | 498.3 | 486.1 | 12.17 | 40.927 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4C-32H-O268 - 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 | 87.88 | 3.5 | 95.1 | 95.2 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 87.88 | 3.5 | 95.1 | 95.2 | 94.9 | 0.30 | 322.407 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 87.88 | 3.5 | 95.1 | 95.2 | 94.5 | 0.64 | 147.792 | | |
| 300.0 | 300.0 | 299.0 | 299.0 | 0.5 | 0.5 | 87.88 | 3.5 | 95.1 | 95.2 | 94.2 | 0.99 | 95.844 | | |
| 400.0 | 400.0 | 399.0 | 399.0 | 0.7 | 0.7 | 87.88 | 3.5 | 95.1 | 95.2 | 93.8 | 1.34 | 70.917 CC, ES | | |
| 500.0 | 500.0 | 497.5 | 497.5 | 0.8 | 0.8 | 88.06 | 3.2 | 95.9 | 96.0 | 94.3 | 1.69 | 56.817 | | |
| 600.0 | 600.0 | 595.9 | 595.9 | 1.0 | 1.0 | 28.26 | 2.4 | 98.3 | 97.6 | 95.6 | 2.04 | 47.952 | | |
| 700.0 | 700.0 | 694.3 | 694.1 | 1.2 | 1.2 | 29.75 | 1.1 | 102.3 | 99.5 | 97.1 | 2.38 | 41.741 | | |
| 800.0 | 799.9 | 792.5 | 792.2 | 1.4 | 1.4 | 31.56 | -0.8 | 107.8 | 102.8 | 100.0 | 2.73 | 37.621 | | |
| 900.0 | 899.9 | 890.6 | 890.0 | 1.6 | 1.6 | 33.49 | -3.3 | 115.0 | 107.8 | 104.7 | 3.08 | 34.998 | | |
| 1,000.0 | 999.8 | 988.4 | 987.4 | 1.7 | 1.8 | 35.42 | -6.2 | 123.7 | 114.6 | 111.2 | 3.43 | 33.428 | | |
| 1,100.0 | 1,099.8 | 1,086.0 | 1,084.3 | 1.9 | 2.0 | 37.29 | -9.7 | 133.9 | 123.2 | 119.5 | 3.78 | 32.626 | | |
| 1,200.0 | 1,199.8 | 1,183.2 | 1,180.8 | 2.1 | 2.3 | 39.02 | -13.7 | 145.7 | 133.6 | 129.5 | 4.12 | 32.398 SF | | |
| 1,300.0 | 1,299.7 | 1,280.1 | 1,276.6 | 2.3 | 2.6 | 40.59 | -18.3 | 159.0 | 145.8 | 141.3 | 4.47 | 32.609 | | |
| 1,400.0 | 1,399.7 | 1,376.5 | 1,371.7 | 2.5 | 2.9 | 41.98 | -23.3 | 173.7 | 159.7 | 154.9 | 4.82 | 33.162 | | |
| 1,500.0 | 1,499.6 | 1,472.4 | 1,466.1 | 2.6 | 3.2 | 43.19 | -28.8 | 189.8 | 175.4 | 170.2 | 5.16 | 33.984 | | |
| 1,600.0 | 1,599.6 | 1,567.7 | 1,559.7 | 2.8 | 3.5 | 44.23 | -34.8 | 207.4 | 192.8 | 187.3 | 5.50 | 35.020 | | |
| 1,700.0 | 1,699.6 | 1,662.5 | 1,652.3 | 3.0 | 3.9 | 45.12 | -41.2 | 226.2 | 211.8 | 206.0 | 5.85 | 36.229 | | |
| 1,800.0 | 1,799.5 | 1,756.7 | 1,744.0 | 3.2 | 4.3 | 45.88 | -48.1 | 246.4 | 232.6 | 226.4 | 6.19 | 37.578 | | |
| 1,900.0 | 1,899.5 | 1,850.1 | 1,834.7 | 3.4 | 4.7 | 46.52 | -55.4 | 267.9 | 254.9 | 248.4 | 6.53 | 39.044 | | |
| 2,000.0 | 1,999.4 | 1,943.8 | 1,925.2 | 3.5 | 5.1 | 47.07 | -63.2 | 290.7 | 278.8 | 272.0 | 6.87 | 40.593 | | |
| 2,100.0 | 2,099.4 | 2,040.7 | 2,018.7 | 3.7 | 5.6 | 47.55 | -71.4 | 314.9 | 303.3 | 296.1 | 7.22 | 42.033 | | |
| 2,200.0 | 2,199.4 | 2,137.6 | 2,112.2 | 3.9 | 6.1 | 47.96 | -79.6 | 339.0 | 327.7 | 320.2 | 7.56 | 43.342 | | |
| 2,300.0 | 2,299.3 | 2,234.6 | 2,205.8 | 4.1 | 6.5 | 48.32 | -87.9 | 363.1 | 352.2 | 344.3 | 7.91 | 44.538 | | |
| 2,400.0 | 2,399.3 | 2,331.5 | 2,299.3 | 4.3 | 7.0 | 48.62 | -96.1 | 387.2 | 376.7 | 368.4 | 8.25 | 45.633 | | |
| 2,500.0 | 2,499.3 | 2,428.5 | 2,392.8 | 4.4 | 7.5 | 48.89 | -104.3 | 411.3 | 401.2 | 392.6 | 8.60 | 46.640 | | |
| 2,600.0 | 2,599.2 | 2,525.4 | 2,486.4 | 4.6 | 8.0 | 49.13 | -112.5 | 435.4 | 425.7 | 416.7 | 8.95 | 47.569 | | |
| 2,700.0 | 2,699.2 | 2,622.3 | 2,579.9 | 4.8 | 8.4 | 49.34 | -120.8 | 459.6 | 450.2 | 440.9 | 9.30 | 48.429 | | |
| 2,800.0 | 2,799.1 | 2,719.3 | 2,673.4 | 5.0 | 8.9 | 49.53 | -129.0 | 483.7 | 474.7 | 465.0 | 9.64 | 49.226 | | |
| 2,900.0 | 2,899.1 | 2,816.2 | 2,766.9 | 5.2 | 9.4 | 49.70 | -137.2 | 507.8 | 499.2 | 489.2 | 9.99 | 49.967 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Hwy 52 4P-32H-O268 - 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 (°) | Offset Wellbore Centre | | Distance | | Total Uncertainty Axis | Separation Factor | Warning | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 85.94 | 7.2 | 100.7 | 101.0 | | | | | |
| 100.0 | 100.0 | 99.0 | 99.0 | 0.1 | 0.1 | 85.94 | 7.2 | 100.7 | 101.0 | 100.7 | 0.30 | 342.002 | | |
| 200.0 | 200.0 | 199.0 | 199.0 | 0.3 | 0.3 | 85.94 | 7.2 | 100.7 | 101.0 | 100.3 | 0.64 | 156.774 CC, ES | | |
| 300.0 | 300.0 | 297.3 | 297.3 | 0.5 | 0.5 | 86.05 | 7.0 | 101.5 | 101.8 | 100.8 | 0.99 | 102.702 | | |
| 400.0 | 400.0 | 395.6 | 395.6 | 0.7 | 0.7 | 86.40 | 6.5 | 104.0 | 104.3 | 102.9 | 1.34 | 77.701 | | |
| 500.0 | 500.0 | 493.7 | 493.6 | 0.8 | 0.9 | 86.95 | 5.8 | 108.1 | 108.4 | 106.7 | 1.70 | 63.788 | | |
| 600.0 | 600.0 | 591.7 | 591.4 | 1.0 | 1.0 | 27.27 | 4.7 | 113.9 | 113.4 | 111.4 | 2.03 | 55.885 | | |
| 700.0 | 700.0 | 689.6 | 689.0 | 1.2 | 1.3 | 28.60 | 3.3 | 121.3 | 118.8 | 116.4 | 2.38 | 49.964 | | |
| 800.0 | 799.9 | 787.3 | 786.3 | 1.4 | 1.5 | 30.04 | 1.6 | 130.3 | 125.5 | 122.8 | 2.72 | 46.086 | | |
| 900.0 | 899.9 | 884.7 | 883.1 | 1.6 | 1.7 | 31.44 | -0.4 | 140.9 | 134.1 | 131.0 | 3.07 | 43.661 | | |
| 1,000.0 | 999.8 | 981.8 | 979.4 | 1.7 | 2.0 | 32.75 | -2.7 | 153.0 | 144.3 | 140.9 | 3.42 | 42.247 | | |
| 1,100.0 | 1,099.8 | 1,078.5 | 1,075.1 | 1.9 | 2.3 | 33.95 | -5.3 | 166.8 | 156.4 | 152.6 | 3.76 | 41.565 | | |
| 1,200.0 | 1,199.8 | 1,174.8 | 1,170.1 | 2.1 | 2.6 | 35.03 | -8.2 | 182.0 | 170.1 | 166.0 | 4.11 | 41.427 SF | | |
| 1,300.0 | 1,299.7 | 1,270.6 | 1,264.3 | 2.3 | 2.9 | 35.98 | -11.3 | 198.7 | 185.5 | 181.1 | 4.45 | 41.702 | | |
| 1,400.0 | 1,399.7 | 1,365.8 | 1,357.8 | 2.5 | 3.3 | 36.80 | -14.7 | 216.9 | 202.7 | 197.9 | 4.79 | 42.299 | | |
| 1,500.0 | 1,499.6 | 1,460.5 | 1,450.4 | 2.6 | 3.6 | 37.52 | -18.4 | 236.4 | 221.5 | 216.3 | 5.13 | 43.149 | | |
| 1,600.0 | 1,599.6 | 1,554.6 | 1,542.0 | 2.8 | 4.0 | 38.14 | -22.3 | 257.3 | 241.9 | 236.4 | 5.47 | 44.203 | | |
| 1,700.0 | 1,699.6 | 1,647.9 | 1,632.6 | 3.0 | 4.5 | 38.66 | -26.5 | 279.6 | 264.0 | 258.2 | 5.81 | 45.421 | | |
| 1,800.0 | 1,799.5 | 1,740.6 | 1,722.1 | 3.2 | 4.9 | 39.11 | -30.9 | 303.0 | 287.6 | 281.5 | 6.15 | 46.775 | | |
| 1,900.0 | 1,899.5 | 1,832.5 | 1,810.5 | 3.4 | 5.4 | 39.49 | -35.6 | 327.7 | 312.9 | 306.4 | 6.49 | 48.240 | | |
| 2,000.0 | 1,999.4 | 1,925.7 | 1,899.8 | 3.5 | 5.9 | 39.82 | -40.6 | 354.1 | 339.6 | 332.7 | 6.82 | 49.756 | | |
| 2,100.0 | 2,099.4 | 2,022.0 | 1,991.9 | 3.7 | 6.4 | 40.12 | -45.7 | 381.6 | 366.6 | 359.4 | 7.17 | 51.134 | | |
| 2,200.0 | 2,199.4 | 2,118.3 | 2,084.0 | 3.9 | 6.9 | 40.37 | -50.9 | 409.1 | 393.6 | 386.0 | 7.51 | 52.385 | | |
| 2,300.0 | 2,299.3 | 2,214.6 | 2,176.2 | 4.1 | 7.4 | 40.59 | -56.1 | 436.5 | 420.6 | 412.7 | 7.86 | 53.526 | | |
| 2,400.0 | 2,399.3 | 2,310.8 | 2,268.3 | 4.3 | 8.0 | 40.79 | -61.3 | 464.0 | 447.6 | 439.4 | 8.20 | 54.572 | | |
| 2,500.0 | 2,499.3 | 2,407.1 | 2,360.4 | 4.4 | 8.5 | 40.96 | -66.4 | 491.5 | 474.6 | 466.0 | 8.55 | 55.533 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - RAY NELSON 33-32 (EXISTING) - ENCANA WELL - ENCANA WELL | | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|----------------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|------------------------|---------------|----------------------------|-----------------------------|------------------------------|----------------------|---------|--------------------|--------|
| Survey Program: 926-Geolink MWD | | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | Highside Toolface (°) | Offset Wellbore Centre | | Distance | | Total Uncertainty Axis | Separation Factor | Warning | | |
| Measured Depth (ft) | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | | +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 58.46 | 229.7 | 374.3 | 439.3 | | | | | | |
| 100.0 | 100.0 | 92.0 | 92.0 | 0.1 | 0.2 | 58.46 | 229.7 | 374.3 | 439.1 | 438.8 | 0.31 | 1,422.474 | | | |
| 200.0 | 200.0 | 193.0 | 193.0 | 0.3 | 0.3 | 58.47 | 229.4 | 374.0 | 438.8 | 438.1 | 0.66 | 665.378 | | | |
| 300.0 | 300.0 | 294.1 | 294.1 | 0.5 | 0.5 | 58.49 | 229.0 | 373.5 | 438.2 | 437.2 | 1.01 | 433.777 | | | |
| 400.0 | 400.0 | 395.2 | 395.2 | 0.7 | 0.7 | 58.51 | 228.5 | 372.9 | 437.3 | 436.0 | 1.36 | 321.375 | | | |
| 500.0 | 500.0 | 496.2 | 496.2 | 0.8 | 0.9 | 58.53 | 227.7 | 372.1 | 436.3 | 434.6 | 1.71 | 254.897 | | | |
| 600.0 | 600.0 | 597.3 | 597.2 | 1.0 | 1.1 | -1.99 | 226.8 | 371.1 | 434.1 | 432.0 | 2.05 | 212.011 | | | |
| 700.0 | 700.0 | 698.2 | 698.2 | 1.2 | 1.2 | -1.97 | 225.8 | 369.9 | 430.0 | 427.6 | 2.40 | 179.534 | | | |
| 800.0 | 799.9 | 799.2 | 799.1 | 1.4 | 1.4 | -1.94 | 224.5 | 368.5 | 425.4 | 422.7 | 2.74 | 155.073 | | | |
| 900.0 | 899.9 | 900.1 | 900.0 | 1.6 | 1.6 | -1.90 | 223.2 | 366.9 | 420.6 | 417.5 | 3.09 | 136.044 | | | |
| 1,000.0 | 999.8 | 999.0 | 998.9 | 1.7 | 1.8 | -2.01 | 222.7 | 364.8 | 415.6 | 412.2 | 3.44 | 120.936 | | | |
| 1,100.0 | 1,099.8 | 1,086.2 | 1,086.0 | 1.9 | 1.9 | -2.49 | 225.3 | 362.5 | 412.2 | 408.5 | 3.76 | 109.508 | | | |
| 1,154.8 | 1,154.6 | 1,134.3 | 1,134.0 | 2.0 | 2.0 | -2.88 | 228.1 | 361.9 | 411.8 | 407.9 | 3.95 | 104.222 CC, ES | | | |
| 1,200.0 | 1,199.8 | 1,174.3 | 1,173.9 | 2.1 | 2.1 | -3.29 | 231.3 | 361.5 | 412.1 | 408.0 | 4.10 | 100.486 | | | |
| 1,300.0 | 1,299.7 | 1,262.9 | 1,262.1 | 2.3 | 2.2 | -4.39 | 240.4 | 361.3 | 414.8 | 410.3 | 4.45 | 93.303 | | | |
| 1,400.0 | 1,399.7 | 1,357.8 | 1,356.2 | 2.5 | 2.4 | -5.79 | 252.7 | 361.6 | 419.6 | 414.8 | 4.82 | 87.052 | | | |
| 1,500.0 | 1,499.6 | 1,450.0 | 1,447.1 | 2.6 | 2.6 | -7.47 | 267.6 | 361.5 | 426.4 | 421.2 | 5.21 | 81.844 | | | |
| 1,600.0 | 1,599.6 | 1,544.2 | 1,539.7 | 2.8 | 2.9 | -9.39 | 285.1 | 361.2 | 434.8 | 429.2 | 5.62 | 77.356 | | | |
| 1,700.0 | 1,699.6 | 1,636.0 | 1,629.3 | 3.0 | 3.2 | -11.51 | 304.5 | 360.0 | 444.8 | 438.8 | 6.05 | 73.474 | | | |
| 1,800.0 | 1,799.5 | 1,728.8 | 1,719.4 | 3.2 | 3.5 | -13.89 | 326.9 | 357.8 | 456.8 | 450.3 | 6.51 | 70.202 | | | |
| 1,900.0 | 1,899.5 | 1,823.2 | 1,810.7 | 3.4 | 3.9 | -16.35 | 350.9 | 355.0 | 470.3 | 463.3 | 6.97 | 67.430 | | | |
| 2,000.0 | 1,999.4 | 1,913.4 | 1,897.4 | 3.5 | 4.3 | -18.77 | 375.8 | 351.9 | 485.8 | 478.4 | 7.44 | 65.337 SF | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - RAY NELSON 34-32 (EXISTING) - ENCANA WELL - ENCANA WELL | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|----------------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|------------------------------|----------------------|----------|--------|--------------------|--------|
| Survey Program: 103-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 | 92.19 | -8.5 | 221.9 | 222.2 | | | | | |
| 100.0 | 100.0 | 89.7 | 89.7 | 0.1 | 0.1 | 92.19 | -8.5 | 222.1 | 222.3 | 0.28 | 787.562 | | | |
| 200.0 | 200.0 | 188.8 | 188.8 | 0.3 | 0.3 | 92.19 | -8.5 | 222.9 | 223.1 | 0.63 | 355.795 | | | |
| 300.0 | 300.0 | 289.2 | 289.2 | 0.5 | 0.5 | 92.29 | -9.0 | 223.9 | 224.0 | 0.98 | 229.144 | | | |
| 400.0 | 400.0 | 389.6 | 389.5 | 0.7 | 0.7 | 92.48 | -9.7 | 224.6 | 224.8 | 1.33 | 169.222 | | | |
| 500.0 | 500.0 | 489.8 | 489.8 | 0.8 | 0.8 | 92.67 | -10.5 | 225.1 | 225.4 | 1.68 | 134.286 | | | |
| 600.0 | 600.0 | 589.9 | 589.9 | 1.0 | 1.0 | 32.37 | -11.0 | 225.6 | 225.2 | 2.03 | 111.176 | | | |
| 700.0 | 700.0 | 690.4 | 690.4 | 1.2 | 1.2 | 32.81 | -11.4 | 226.0 | 223.5 | 2.38 | 94.049 | | | |
| 800.0 | 799.9 | 790.7 | 790.7 | 1.4 | 1.4 | 33.25 | -11.6 | 226.1 | 221.2 | 2.73 | 81.149 | | | |
| 900.0 | 899.9 | 891.6 | 891.5 | 1.6 | 1.5 | 33.67 | -11.6 | 226.1 | 218.8 | 3.08 | 71.094 | | | |
| 1,000.0 | 999.8 | 991.9 | 991.9 | 1.7 | 1.7 | 34.06 | -11.5 | 225.6 | 216.0 | 3.43 | 63.001 | | | |
| 1,100.0 | 1,099.8 | 1,092.3 | 1,092.2 | 1.9 | 1.9 | 34.52 | -11.6 | 225.1 | 213.2 | 3.78 | 56.385 | | | |
| 1,200.0 | 1,199.8 | 1,193.3 | 1,193.3 | 2.1 | 2.1 | 34.95 | -11.5 | 224.1 | 209.9 | 4.13 | 50.788 | | | |
| 1,300.0 | 1,299.7 | 1,293.0 | 1,293.0 | 2.3 | 2.2 | 35.31 | -11.0 | 223.0 | 206.5 | 4.48 | 46.049 | | | |
| 1,400.0 | 1,399.7 | 1,393.2 | 1,393.1 | 2.5 | 2.4 | 35.60 | -10.3 | 222.0 | 203.1 | 4.83 | 42.004 | | | |
| 1,500.0 | 1,499.6 | 1,494.1 | 1,494.0 | 2.6 | 2.6 | 35.85 | -9.4 | 220.6 | 199.3 | 5.19 | 38.424 | | | |
| 1,600.0 | 1,599.6 | 1,594.6 | 1,594.5 | 2.8 | 2.8 | 36.18 | -8.7 | 218.8 | 195.2 | 5.54 | 35.238 | | | |
| 1,700.0 | 1,699.6 | 1,693.7 | 1,693.6 | 3.0 | 2.9 | 36.53 | -8.0 | 217.0 | 191.0 | 5.89 | 32.435 | | | |
| 1,800.0 | 1,799.5 | 1,793.1 | 1,792.9 | 3.2 | 3.1 | 36.73 | -6.8 | 215.7 | 187.4 | 6.24 | 30.027 | | | |
| 1,900.0 | 1,899.5 | 1,893.6 | 1,893.5 | 3.4 | 3.3 | 36.80 | -5.1 | 214.5 | 183.7 | 6.59 | 27.857 | | | |
| 2,000.0 | 1,999.4 | 1,992.5 | 1,992.3 | 3.5 | 3.5 | 36.84 | -3.5 | 213.4 | 180.1 | 6.94 | 25.940 | | | |
| 2,100.0 | 2,099.4 | 2,091.8 | 2,091.6 | 3.7 | 3.6 | 37.15 | -2.6 | 212.6 | 176.9 | 7.29 | 24.258 | | | |
| 2,200.0 | 2,199.4 | 2,190.8 | 2,190.6 | 3.9 | 3.8 | 37.80 | -2.9 | 212.2 | 174.4 | 7.64 | 22.815 | | | |
| 2,300.0 | 2,299.3 | 2,291.1 | 2,290.9 | 4.1 | 4.0 | 38.59 | -3.5 | 211.9 | 172.0 | 8.00 | 21.507 | | | |
| 2,400.0 | 2,399.3 | 2,390.5 | 2,390.4 | 4.3 | 4.2 | 39.41 | -4.1 | 211.5 | 169.5 | 8.35 | 20.302 | | | |
| 2,500.0 | 2,499.3 | 2,492.3 | 2,492.1 | 4.4 | 4.3 | 40.61 | -5.7 | 210.8 | 167.0 | 8.71 | 19.179 | | | |
| 2,600.0 | 2,599.2 | 2,598.0 | 2,597.7 | 4.6 | 4.5 | 42.28 | -7.8 | 207.2 | 161.9 | 9.07 | 17.848 | | | |
| 2,700.0 | 2,699.2 | 2,697.6 | 2,697.1 | 4.8 | 4.7 | 44.69 | -11.3 | 201.6 | 155.3 | 9.43 | 16.464 | | | |
| 2,800.0 | 2,799.1 | 2,797.5 | 2,796.7 | 5.0 | 4.9 | 47.93 | -16.3 | 195.7 | 149.1 | 9.80 | 15.215 | | | |
| 2,900.0 | 2,899.1 | 2,898.3 | 2,897.0 | 5.2 | 5.1 | 52.39 | -23.2 | 188.0 | 142.5 | 10.18 | 14.001 | | | |
| 3,000.0 | 2,999.1 | 2,998.5 | 2,996.6 | 5.3 | 5.3 | 57.37 | -30.0 | 179.5 | 136.0 | 10.57 | 12.869 | | | |
| 3,100.0 | 3,099.0 | 3,099.2 | 3,096.2 | 5.5 | 5.5 | 64.21 | -39.0 | 168.4 | 129.9 | 11.00 | 11.812 | | | |
| 3,200.0 | 3,199.0 | 3,197.0 | 3,192.7 | 5.7 | 5.7 | 72.52 | -49.2 | 155.7 | 125.2 | 11.43 | 10.953 | | | |
| 3,300.0 | 3,298.9 | 3,296.5 | 3,291.0 | 5.9 | 6.0 | 80.98 | -58.8 | 143.3 | 123.2 | 11.88 | 10.374 | | | |
| 3,399.6 | 3,398.5 | 3,396.3 | 3,389.5 | 6.1 | 6.2 | 89.65 | -67.1 | 129.8 | 122.3 | 12.32 | 9.923 CC | | | |
| 3,400.0 | 3,398.9 | 3,396.7 | 3,389.9 | 6.1 | 6.2 | 89.69 | -67.1 | 129.8 | 122.3 | 12.32 | 9.922 ES | | | |
| 3,500.0 | 3,498.9 | 3,493.6 | 3,485.0 | 6.3 | 6.5 | 99.43 | -76.5 | 114.0 | 124.5 | 12.76 | 9.760 SF | | | |
| 3,600.0 | 3,598.8 | 3,590.6 | 3,580.1 | 6.4 | 6.8 | 109.02 | -86.5 | 97.3 | 130.8 | 13.16 | 9.938 | | | |
| 3,700.0 | 3,698.8 | 3,684.8 | 3,672.0 | 6.6 | 7.1 | 117.77 | -97.4 | 80.1 | 141.7 | 13.52 | 10.482 | | | |
| 3,800.0 | 3,798.7 | 3,778.5 | 3,763.2 | 6.8 | 7.4 | 124.89 | -110.5 | 63.5 | 158.0 | 144.2 | 13.85 | 11.410 | | |
| 3,900.0 | 3,898.7 | 3,872.6 | 3,854.7 | 7.0 | 7.8 | 130.75 | -125.1 | 46.4 | 178.0 | 163.9 | 14.16 | 12.574 | | |
| 4,000.0 | 3,998.7 | 3,968.2 | 3,947.4 | 7.2 | 8.1 | 135.39 | -140.8 | 29.2 | 200.4 | 185.9 | 14.47 | 13.846 | | |
| 4,100.0 | 4,098.6 | 4,068.8 | 4,042.8 | 7.3 | 8.5 | 139.59 | -156.2 | 10.1 | 223.5 | 208.8 | 14.78 | 15.121 | | |
| 4,200.0 | 4,198.6 | 4,164.6 | 4,137.8 | 7.5 | 8.9 | 143.01 | -170.6 | -8.5 | 246.7 | 231.6 | 15.09 | 16.344 | | |
| 4,300.0 | 4,298.5 | 4,266.1 | 4,236.7 | 7.7 | 9.3 | 145.64 | -185.0 | -26.2 | 269.2 | 253.8 | 15.41 | 17.475 | | |
| 4,400.0 | 4,398.5 | 4,367.4 | 4,335.8 | 7.9 | 9.6 | 147.74 | -198.1 | -42.5 | 290.5 | 274.8 | 15.73 | 18.473 | | |
| 4,500.0 | 4,498.5 | 4,466.2 | 4,432.7 | 8.1 | 10.0 | 149.20 | -210.9 | -56.5 | 311.1 | 295.0 | 16.05 | 19.387 | | |
| 4,600.0 | 4,598.4 | 4,561.8 | 4,526.6 | 8.2 | 10.3 | 150.37 | -223.6 | -69.8 | 332.0 | 315.6 | 16.37 | 20.283 | | |
| 4,700.0 | 4,698.4 | 4,664.6 | 4,627.5 | 8.4 | 10.6 | 151.45 | -237.3 | -84.0 | 353.0 | 336.3 | 16.70 | 21.142 | | |
| 4,800.0 | 4,798.3 | 4,773.3 | 4,734.6 | 8.6 | 11.0 | 152.37 | -249.8 | -97.0 | 371.7 | 354.6 | 17.04 | 21.809 | | |
| 4,900.0 | 4,898.3 | 4,889.9 | 4,850.3 | 8.8 | 11.3 | 153.12 | -259.8 | -107.7 | 386.3 | 368.9 | 17.40 | 22.206 | | |
| 5,000.0 | 4,998.3 | 4,999.1 | 4,959.1 | 9.0 | 11.5 | 153.64 | -266.5 | -114.8 | 397.5 | 379.8 | 17.75 | 22.399 | | |

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 Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - RAY NELSON 34-32 (EXISTING) - ENCANA WELL - ENCANA WELL | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|----------------------------------------------------------------------------------------------------|------------------------|------------------------|------------------------|-------------------|----------------|-----------------------------|-----------------------------------------|---------------|----------------------------|-----------------------------|---------------------|----------------------|--------------------|--------|
| Survey Program: 103-Geolink MWD | | | | | | | | | | | | | Offset Well Error: | 0.0 ft |
| Reference | | Offset | | Semi Major Axis | | | Distance | | | | Total | | 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 | Separation Factor | | |
| 5,100.0 | 5,098.2 | 5,108.2 | 5,067.9 | 9.2 | 11.7 | 154.14 | -271.1 | -120.5 | 406.5 | 388.4 | 18.10 | 22.464 | | |
| 5,200.0 | 5,198.2 | 5,217.9 | 5,177.6 | 9.3 | 11.9 | 154.61 | -273.5 | -124.7 | 413.0 | 394.6 | 18.45 | 22.386 | | |
| 5,300.0 | 5,298.1 | 5,325.4 | 5,285.0 | 9.5 | 12.1 | 155.05 | -274.2 | -127.5 | 417.6 | 398.8 | 18.80 | 22.214 | | |
| 5,400.0 | 5,398.1 | 5,431.9 | 5,391.5 | 9.7 | 12.2 | 155.38 | -273.5 | -128.4 | 420.1 | 400.9 | 19.15 | 21.938 | | |
| 5,500.0 | 5,498.1 | 5,535.1 | 5,494.6 | 9.9 | 12.3 | 155.78 | -271.7 | -129.3 | 421.8 | 402.3 | 19.49 | 21.635 | | |
| 5,600.0 | 5,598.0 | 5,635.3 | 5,594.8 | 10.1 | 12.5 | 156.19 | -269.4 | -129.9 | 422.9 | 403.1 | 19.83 | 21.325 | | |
| 5,700.0 | 5,698.0 | 5,734.7 | 5,694.2 | 10.2 | 12.6 | 156.48 | -267.8 | -130.0 | 424.2 | 404.0 | 20.17 | 21.031 | | |
| 5,800.0 | 5,797.9 | 5,834.3 | 5,793.8 | 10.4 | 12.7 | 156.76 | -266.3 | -130.0 | 425.6 | 405.1 | 20.51 | 20.748 | | |
| 5,900.0 | 5,897.9 | 5,932.6 | 5,892.1 | 10.6 | 12.9 | 157.09 | -264.6 | -130.5 | 427.1 | 406.3 | 20.85 | 20.486 | | |
| 6,000.0 | 5,997.9 | 6,027.8 | 5,987.3 | 10.8 | 13.0 | 157.40 | -263.7 | -131.4 | 429.5 | 408.4 | 21.18 | 20.278 | | |
| 6,100.0 | 6,097.8 | 6,127.1 | 6,086.6 | 11.0 | 13.2 | 157.69 | -263.5 | -132.7 | 432.9 | 411.3 | 21.52 | 20.109 | | |
| 6,200.0 | 6,197.8 | 6,231.3 | 6,190.7 | 11.1 | 13.3 | 158.05 | -262.5 | -134.0 | 435.5 | 413.6 | 21.87 | 19.908 | | |
| 6,300.0 | 6,297.7 | 6,330.5 | 6,290.0 | 11.3 | 13.5 | 158.43 | -261.0 | -135.2 | 437.6 | 415.4 | 22.21 | 19.700 | | |
| 6,400.0 | 6,397.7 | 6,429.0 | 6,388.4 | 11.5 | 13.6 | 158.77 | -260.0 | -136.3 | 440.2 | 417.6 | 22.55 | 19.517 | | |
| 6,500.0 | 6,497.7 | 6,530.5 | 6,489.9 | 11.7 | 13.7 | 159.11 | -258.9 | -137.6 | 442.8 | 419.9 | 22.90 | 19.334 | | |
| 6,600.0 | 6,597.6 | 6,633.2 | 6,592.6 | 11.9 | 13.9 | 159.51 | -257.1 | -138.8 | 444.9 | 421.6 | 23.25 | 19.136 | | |
| 6,700.0 | 6,697.6 | 6,737.3 | 6,696.6 | 12.1 | 14.0 | 159.89 | -254.8 | -139.4 | 446.2 | 422.6 | 23.60 | 18.908 | | |
| 6,800.0 | 6,797.5 | 6,837.9 | 6,797.3 | 12.2 | 14.2 | 160.23 | -252.2 | -139.3 | 446.8 | 422.8 | 23.94 | 18.660 | | |
| 6,900.0 | 6,897.5 | 6,936.2 | 6,895.5 | 12.4 | 14.3 | 60.23 | -249.4 | -139.8 | 446.1 | 421.8 | 24.29 | 18.363 | | |
| 7,000.0 | 6,996.1 | 7,035.0 | 6,994.2 | 12.5 | 14.4 | 49.96 | -246.4 | -140.9 | 434.4 | 410.0 | 24.43 | 17.786 | | |
| 7,100.0 | 7,090.4 | 7,127.0 | 7,086.2 | 12.7 | 14.6 | 53.02 | -243.3 | -141.8 | 411.4 | 387.0 | 24.43 | 16.843 | | |
| 7,200.0 | 7,177.6 | 7,212.4 | 7,171.5 | 12.9 | 14.7 | 60.23 | -240.9 | -142.4 | 380.8 | 356.1 | 24.65 | 15.444 | | |
| 7,300.0 | 7,255.0 | 7,287.3 | 7,246.4 | 13.1 | 14.8 | 70.09 | -239.8 | -142.8 | 348.0 | 322.6 | 25.37 | 13.714 | | |
| 7,400.0 | 7,320.4 | 7,354.6 | 7,313.7 | 13.5 | 14.9 | 81.39 | -239.2 | -142.8 | 320.6 | 294.2 | 26.43 | 12.129 | | |
| 7,500.0 | 7,371.6 | 7,407.0 | 7,366.2 | 14.1 | 15.0 | 90.71 | -238.4 | -142.4 | 308.9 | 281.6 | 27.32 | 11.306 | | |
| 7,500.4 | 7,371.8 | 7,407.2 | 7,366.3 | 14.1 | 15.0 | 90.74 | -238.4 | -142.4 | 308.9 | 281.6 | 27.33 | 11.305 | | |
| 7,600.0 | 7,407.2 | 7,442.2 | 7,401.4 | 14.9 | 15.0 | 95.32 | -237.8 | -141.9 | 322.6 | 294.5 | 28.08 | 11.487 | | |
| 7,700.0 | 7,426.0 | 7,459.5 | 7,418.6 | 15.8 | 15.0 | 93.91 | -237.4 | -141.6 | 363.2 | 334.1 | 29.09 | 12.484 | | |
| 7,800.0 | 7,429.0 | 7,460.4 | 7,419.5 | 16.9 | 15.0 | 89.90 | -237.4 | -141.6 | 424.2 | 393.9 | 30.25 | 14.021 | | |
| 7,900.0 | 7,429.0 | 7,458.2 | 7,417.3 | 18.1 | 15.0 | 89.50 | -237.5 | -141.6 | 497.9 | 466.5 | 31.45 | 15.831 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | | S32-T2N-R68W (File/Hwy 52) - RAY NELSON 44-32 (EXISTING) - ENCANA WELL - ENCANA WELL | | | | | | | | | | | Offset Site Error: | | 0.0 ft | | |
|-----------------|----------------|--------------------------------------------------------------------------------------|----------------|-----------------|--------|-------------------|------------------------|------------|-----------------|------------------|-------------------|------------|--------------------|--|--------|--|--|
| Survey Program: | | 134-Geolink MWD | | | | | | | | | | | 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 | Separation | Warning | | | | |
| (ft) | (ft) | (ft) | (ft) | (ft) | (ft) | (°) | +N/-S (ft) | +E/-W (ft) | (ft) | (ft) | Axis | Factor | | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 60.63 | 217.0 | 385.5 | 442.5 | | | | | | | | |
| 100.0 | 100.0 | 90.3 | 90.3 | 0.1 | 0.1 | 60.68 | 216.6 | 385.7 | 442.4 | 442.1 | 0.29 | 1,533.236 | | | | | |
| 141.6 | 141.6 | 132.0 | 132.0 | 0.2 | 0.2 | 60.73 | 216.3 | 385.9 | 442.3 | 441.9 | 0.43 | 1,038.736 | CC, ES | | | | |
| 200.0 | 200.0 | 183.7 | 183.7 | 0.3 | 0.3 | 60.79 | 216.1 | 386.4 | 442.7 | 442.1 | 0.62 | 715.075 | | | | | |
| 300.0 | 300.0 | 270.7 | 270.7 | 0.5 | 0.5 | 60.77 | 217.4 | 388.4 | 445.5 | 444.6 | 0.95 | 468.585 | | | | | |
| 400.0 | 400.0 | 360.9 | 360.7 | 0.7 | 0.6 | 60.72 | 220.1 | 392.6 | 451.0 | 449.7 | 1.30 | 347.338 | | | | | |
| 500.0 | 500.0 | 448.5 | 448.1 | 0.8 | 0.8 | 60.71 | 223.5 | 398.4 | 458.8 | 457.1 | 1.66 | 276.681 | | | | | |
| 600.0 | 600.0 | 537.5 | 536.6 | 1.0 | 1.0 | 0.20 | 227.7 | 406.7 | 468.3 | 466.3 | 1.93 | 242.168 | | | | | |
| 700.0 | 700.0 | 627.7 | 626.0 | 1.2 | 1.3 | 0.30 | 232.5 | 416.8 | 478.2 | 475.9 | 2.27 | 211.021 | | | | | |
| 800.0 | 799.9 | 715.0 | 712.4 | 1.4 | 1.6 | 0.45 | 237.5 | 428.5 | 489.9 | 487.3 | 2.59 | 188.850 | SF | | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - RAY NELSON 4-8-32 (EXISTING) - ENCANA WELL - PLAN ONLY | | | | | | | | | | | | | Offset Site Error: | 0.0 ft |
|---------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|---------|
| Survey Program: 850-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 | | |
| 3,200.0 | 3,199.0 | 3,486.7 | 3,335.3 | 5.7 | 19.9 | -29.28 | 397.8 | 286.7 | 459.7 | 446.2 | 13.51 | 34.035 | | |
| 3,300.0 | 3,298.9 | 3,577.5 | 3,418.6 | 5.9 | 20.6 | -30.87 | 373.2 | 260.6 | 419.2 | 405.0 | 14.25 | 29.410 | | |
| 3,400.0 | 3,398.9 | 3,668.2 | 3,502.0 | 6.1 | 21.2 | -32.78 | 348.6 | 234.6 | 379.1 | 364.0 | 15.12 | 25.067 | | |
| 3,500.0 | 3,498.9 | 3,759.0 | 3,585.4 | 6.3 | 21.9 | -35.14 | 323.9 | 208.6 | 339.4 | 323.2 | 16.16 | 21.007 | | |
| 3,600.0 | 3,598.8 | 3,849.8 | 3,668.8 | 6.4 | 22.6 | -38.10 | 299.3 | 182.5 | 300.3 | 282.9 | 17.41 | 17.246 | | |
| 3,700.0 | 3,698.8 | 3,940.5 | 3,752.2 | 6.6 | 23.2 | -41.89 | 274.7 | 156.5 | 262.2 | 243.2 | 18.99 | 13.809 | | |
| 3,800.0 | 3,798.7 | 4,031.3 | 3,835.6 | 6.8 | 23.9 | -46.90 | 250.0 | 130.5 | 225.4 | 204.4 | 20.98 | 10.739 | | |
| 3,900.0 | 3,898.7 | 4,122.0 | 3,918.9 | 7.0 | 24.6 | -53.66 | 225.4 | 104.5 | 190.7 | 167.2 | 23.55 | 8.098 | | |
| 4,000.0 | 3,998.7 | 4,212.8 | 4,002.3 | 7.2 | 25.2 | -62.97 | 200.8 | 78.4 | 159.6 | 132.9 | 26.77 | 5.964 | | |
| 4,100.0 | 4,098.6 | 4,303.5 | 4,085.7 | 7.3 | 25.9 | -75.76 | 176.1 | 52.4 | 134.6 | 104.2 | 30.43 | 4.424 | | |
| 4,200.0 | 4,198.6 | 4,394.3 | 4,169.1 | 7.5 | 26.6 | -92.27 | 151.5 | 26.4 | 119.5 | 85.9 | 33.59 | 3.558 | | |
| 4,258.8 | 4,257.4 | 4,447.7 | 4,218.1 | 7.6 | 27.0 | -103.13 | 137.0 | 11.0 | 116.9 | 82.3 | 34.58 | 3.382 CC, ES, SF | | |
| 4,300.0 | 4,298.5 | 4,485.1 | 4,252.5 | 7.7 | 27.2 | -110.77 | 126.9 | 0.3 | 118.2 | 83.5 | 34.74 | 3.403 | | |
| 4,400.0 | 4,398.5 | 4,575.8 | 4,335.8 | 7.9 | 27.9 | -127.83 | 102.2 | -25.7 | 131.1 | 97.6 | 33.52 | 3.911 | | |
| 4,500.0 | 4,498.5 | 4,666.6 | 4,419.2 | 8.1 | 28.6 | -141.29 | 77.6 | -51.7 | 154.7 | 123.5 | 31.16 | 4.963 | | |
| 4,600.0 | 4,598.4 | 4,757.3 | 4,502.6 | 8.2 | 29.2 | -151.16 | 53.0 | -77.8 | 184.9 | 156.1 | 28.83 | 6.415 | | |
| 4,700.0 | 4,698.4 | 4,848.1 | 4,586.0 | 8.4 | 29.9 | -158.31 | 28.3 | -103.8 | 219.1 | 192.1 | 26.93 | 8.134 | | |
| 4,800.0 | 4,798.3 | 4,938.9 | 4,669.4 | 8.6 | 30.6 | -163.57 | 3.7 | -129.8 | 255.6 | 230.0 | 25.50 | 10.020 | | |
| 4,900.0 | 4,898.3 | 5,029.6 | 4,752.7 | 8.8 | 31.2 | -167.55 | -21.0 | -155.9 | 293.5 | 269.1 | 24.47 | 11.997 | | |
| 5,000.0 | 4,998.3 | 5,120.4 | 4,836.1 | 9.0 | 31.9 | -170.64 | -45.6 | -181.9 | 332.5 | 308.7 | 23.73 | 14.012 | | |
| 5,100.0 | 5,098.2 | 5,211.1 | 4,919.5 | 9.2 | 32.6 | -173.09 | -70.2 | -207.9 | 372.1 | 348.8 | 23.21 | 16.031 | | |
| 5,200.0 | 5,198.2 | 5,301.9 | 5,002.9 | 9.3 | 33.2 | -175.07 | -94.9 | -234.0 | 412.1 | 389.3 | 22.86 | 18.029 | | |
| 5,300.0 | 5,298.1 | 5,392.6 | 5,086.3 | 9.5 | 33.9 | -176.71 | -119.5 | -260.0 | 452.6 | 429.9 | 22.64 | 19.991 | | |
| 5,400.0 | 5,398.1 | 5,483.4 | 5,169.6 | 9.7 | 34.6 | -178.08 | -144.1 | -286.0 | 493.2 | 470.7 | 22.51 | 21.909 | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - Ray Nelson 7-8-32 - 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 | | | | | | 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) | | | | |
| 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 63.41 | 200.2 | 400.1 | 447.5 | | | | | |
| 100.0 | 100.0 | 90.0 | 90.0 | 0.1 | 0.1 | 63.41 | 200.2 | 400.1 | 447.4 | 447.1 | 0.28 | 1,587.210 | | |
| 200.0 | 200.0 | 190.0 | 190.0 | 0.3 | 0.3 | 63.41 | 200.2 | 400.1 | 447.4 | 446.8 | 0.63 | 712.040 | | |
| 300.0 | 300.0 | 290.0 | 290.0 | 0.5 | 0.5 | 63.41 | 200.2 | 400.1 | 447.4 | 446.4 | 0.98 | 457.740 | | |
| 400.0 | 400.0 | 390.0 | 390.0 | 0.7 | 0.7 | 63.41 | 200.2 | 400.1 | 447.4 | 446.1 | 1.33 | 337.282 | | |
| 500.0 | 500.0 | 490.0 | 490.0 | 0.8 | 0.8 | 63.41 | 200.2 | 400.1 | 447.4 | 445.7 | 1.68 | 267.015 | | |
| 600.0 | 600.0 | 584.6 | 584.5 | 1.0 | 1.0 | 3.02 | 199.4 | 401.0 | 447.1 | 445.0 | 2.02 | 221.747 | | |
| 700.0 | 700.0 | 678.4 | 678.2 | 1.2 | 1.2 | 3.53 | 196.7 | 404.4 | 446.5 | 444.1 | 2.36 | 189.043 | | |
| 712.7 | 712.7 | 690.3 | 690.1 | 1.2 | 1.2 | 3.63 | 196.2 | 405.0 | 446.5 | 444.1 | 2.41 | 185.562 CC, ES | | |
| 800.0 | 799.9 | 771.8 | 771.4 | 1.4 | 1.4 | 4.41 | 192.1 | 410.1 | 447.1 | 444.3 | 2.72 | 164.279 | | |
| 900.0 | 899.9 | 864.8 | 863.8 | 1.6 | 1.6 | 5.62 | 185.6 | 418.1 | 449.2 | 446.1 | 3.10 | 144.885 | | |
| 1,000.0 | 999.8 | 957.1 | 955.1 | 1.7 | 1.8 | 7.14 | 177.2 | 428.3 | 453.1 | 449.6 | 3.50 | 129.339 | | |
| 1,100.0 | 1,099.8 | 1,048.5 | 1,045.1 | 1.9 | 2.1 | 8.93 | 167.2 | 440.7 | 459.0 | 455.1 | 3.93 | 116.759 | | |
| 1,200.0 | 1,199.8 | 1,139.0 | 1,133.7 | 2.1 | 2.4 | 10.96 | 155.4 | 455.1 | 467.1 | 462.8 | 4.38 | 106.768 | | |
| 1,300.0 | 1,299.7 | 1,236.8 | 1,229.1 | 2.3 | 2.8 | 13.22 | 141.8 | 471.8 | 476.8 | 471.9 | 4.85 | 98.321 | | |
| 1,400.0 | 1,399.7 | 1,334.5 | 1,324.4 | 2.5 | 3.2 | 15.39 | 128.2 | 488.5 | 487.1 | 481.8 | 5.32 | 91.590 | | |
| 1,500.0 | 1,499.6 | 1,432.2 | 1,419.7 | 2.6 | 3.6 | 17.47 | 114.6 | 505.1 | 498.2 | 492.4 | 5.78 | 86.167 SF | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 S32-T2N-R68W (File/Hwy 52) - RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SURVEYS | | | | | | | | | | | | | Offset Site Error: 0.0 ft | |
|-------------------------------------------------------------------------------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|---------------------------|--|
| Survey Program: 70-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 | 63.41 | 200.2 | 400.1 | 447.5 | | | | | |
| 100.0 | 100.0 | 85.9 | 85.9 | 0.1 | 0.1 | 63.42 | 200.4 | 400.5 | 447.9 | 447.6 | 0.27 | 1,642.741 | | |
| 200.0 | 200.0 | 181.4 | 181.3 | 0.3 | 0.3 | 63.47 | 200.6 | 401.7 | 449.1 | 448.5 | 0.62 | 729.057 | | |
| 300.0 | 300.0 | 276.8 | 276.7 | 0.5 | 0.5 | 63.78 | 199.4 | 404.8 | 451.4 | 450.5 | 0.97 | 466.369 | | |
| 400.0 | 400.0 | 366.5 | 366.3 | 0.7 | 0.7 | 64.37 | 196.7 | 410.1 | 455.5 | 454.2 | 1.33 | 342.787 | | |
| 500.0 | 500.0 | 458.9 | 458.2 | 0.8 | 0.9 | 65.26 | 192.8 | 418.4 | 461.8 | 460.0 | 1.72 | 268.608 | | |
| 600.0 | 600.0 | 551.6 | 550.1 | 1.0 | 1.1 | 5.88 | 187.0 | 428.5 | 468.4 | 466.3 | 2.08 | 225.176 | | |
| 700.0 | 700.0 | 639.5 | 637.0 | 1.2 | 1.4 | 7.24 | 180.2 | 440.7 | 475.7 | 473.2 | 2.49 | 191.022 | | |
| 800.0 | 799.9 | 727.1 | 722.9 | 1.4 | 1.8 | 8.85 | 172.0 | 455.5 | 485.5 | 482.5 | 2.92 | 166.392 | | |
| 900.0 | 899.9 | 813.1 | 806.8 | 1.6 | 2.1 | 10.47 | 163.8 | 472.2 | 498.0 | 494.6 | 3.34 | 149.024 SF | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | | | | | | | | | | | | | S32-T2N-R68W (File/Hwy 52) - WANDELL 41-7 (EXISTING) - ENCANA WELL - 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 | 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) | | | | | | | | |
| 7,100.0 | 7,090.4 | 7,235.5 | 7,115.4 | 12.7 | 17.5 | 51.85 | -317.8 | -149.9 | 485.9 | 461.6 | 24.28 | 20.013 | | | | | | |
| 7,200.0 | 7,177.6 | 7,300.0 | 7,178.0 | 12.9 | 17.7 | 59.67 | -307.7 | -138.1 | 432.1 | 407.3 | 24.79 | 17.432 | | | | | | |
| 7,300.0 | 7,255.0 | 7,361.0 | 7,237.5 | 13.1 | 17.9 | 71.26 | -299.0 | -127.9 | 376.0 | 349.7 | 26.34 | 14.277 | | | | | | |
| 7,400.0 | 7,320.4 | 7,409.6 | 7,285.1 | 13.5 | 18.1 | 83.83 | -292.7 | -120.5 | 324.9 | 296.7 | 28.23 | 11.509 | | | | | | |
| 7,500.0 | 7,371.6 | 7,446.1 | 7,321.0 | 14.1 | 18.2 | 93.96 | -288.3 | -115.4 | 290.2 | 260.7 | 29.50 | 9.836 | | | | | | |
| 7,565.6 | 7,396.8 | 7,462.7 | 7,337.3 | 14.6 | 18.3 | 97.85 | -286.4 | -113.1 | 282.8 | 252.8 | 30.03 | 9.417 | CC, ES | | | | | |
| 7,600.0 | 7,407.2 | 7,468.8 | 7,343.3 | 14.9 | 18.3 | 98.84 | -285.7 | -112.3 | 284.9 | 254.7 | 30.26 | 9.417 | SF | | | | | |
| 7,700.0 | 7,426.0 | 7,476.2 | 7,350.6 | 15.8 | 18.3 | 97.18 | -284.8 | -111.4 | 314.2 | 283.1 | 31.18 | 10.078 | | | | | | |
| 7,800.0 | 7,429.0 | 7,468.3 | 7,342.8 | 16.9 | 18.3 | 92.00 | -285.7 | -112.4 | 370.3 | 337.9 | 32.32 | 11.455 | | | | | | |
| 7,900.0 | 7,429.0 | 7,457.1 | 7,331.8 | 18.1 | 18.3 | 89.75 | -287.0 | -113.9 | 442.0 | 408.5 | 33.49 | 13.198 | | | | | | |

Anticollision Report

| | | | |
|---------------------------|----------------------------|-------------------------------------|--------------------------------------|
| Company: | EnCana Oil & Gas (USA) Inc | Local Co-ordinate Reference: | Well Hwy 52 4C-32H-O268 |
| Project: | DJ Wattenberg | TVD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Reference Site: | S32-T2N-R68W (File/Hwy 52) | MD Reference: | WELL @ 5004.0ft (Original Well Elev) |
| Site Error: | 0.0ft | North Reference: | True |
| Reference Well: | Hwy 52 4C-32H-O268 | 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 | | | | | | | | | | | | | S32-T2N-R68W (File/Hwy 52) - WANDELL 42-7 (EXISTING) - ENCANA WELL - 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 | 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) | | | | | | | | |
| 8,800.0 | 7,429.0 | 7,562.4 | 7,308.3 | 31.3 | 24.0 | 85.93 | -1,811.4 | -179.1 | 449.1 | 395.3 | 53.75 | 8.356 | | | | | | |
| 8,900.0 | 7,429.0 | 7,579.9 | 7,325.5 | 32.9 | 24.1 | 88.76 | -1,814.4 | -177.9 | 393.2 | 337.6 | 55.54 | 7.079 | | | | | | |
| 9,000.0 | 7,429.0 | 7,596.3 | 7,341.7 | 34.5 | 24.1 | 91.44 | -1,817.1 | -176.8 | 356.3 | 299.0 | 57.24 | 6.225 | | | | | | |
| 9,091.9 | 7,429.0 | 7,610.5 | 7,355.6 | 36.0 | 24.2 | 93.77 | -1,819.3 | -175.9 | 344.5 | 285.8 | 58.70 | 5.869 | CC | | | | | |
| 9,100.0 | 7,429.0 | 7,611.7 | 7,356.8 | 36.1 | 24.2 | 93.97 | -1,819.5 | -175.8 | 344.6 | 285.8 | 58.83 | 5.858 | ES, SF | | | | | |
| 9,200.0 | 7,429.0 | 7,626.2 | 7,371.2 | 37.8 | 24.2 | 96.35 | -1,821.8 | -174.9 | 360.7 | 300.4 | 60.33 | 5.979 | | | | | | |
| 9,300.0 | 7,429.0 | 7,639.9 | 7,384.7 | 39.4 | 24.3 | 98.59 | -1,823.8 | -174.0 | 401.3 | 339.6 | 61.74 | 6.499 | | | | | | |
| 9,400.0 | 7,429.0 | 7,652.8 | 7,397.4 | 41.1 | 24.3 | 100.69 | -1,825.7 | -173.2 | 460.0 | 396.9 | 63.09 | 7.291 | | | | | | |

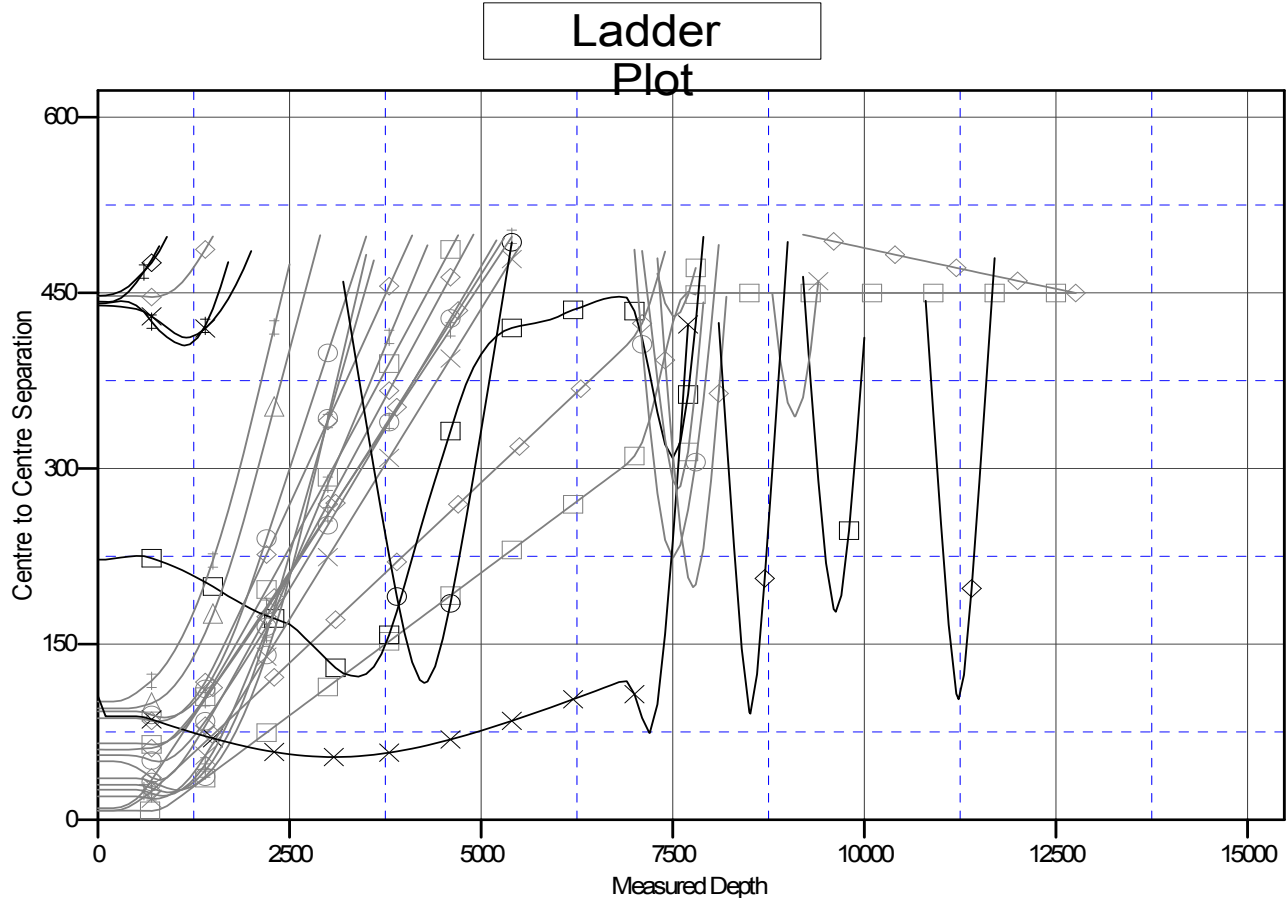
Anticollision Report

Company: EnCana Oil & Gas (USA) Inc
Project: DJ Wattenberg
Reference Site: S32-T2N-R68W (File/Hwy 52)
Site Error: 0.0ft
Reference Well: Hwy 52 4C-32H-O268
Well Error: 0.0ft
Reference Wellbore: Hz
Reference Design: Plan #1

Local Co-ordinate Reference: Well Hwy 52 4C-32H-O268
TVD Reference: WELL @ 5004.0ft (Original Well Elev)
MD Reference: WELL @ 5004.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature
Output errors are at 2.00 sigma
Database: USA EDM 5000 Multi Users DB
Offset TVD Reference: Offset Datum

Reference Depths are relative to WELL @ 5004.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Hwy 52 4C-32H-O268
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.31°



LEGEND

| | | |
|----------|----------------------------------------------------------|------------------------------------|
| an #1 V0 | RAY NELSON 44-32 (EXISTING), ENCANA WELL, ENCANA WELL V0 | CANINO3 (EXISTING), HUGHES CV |
| an #1 V0 | Hwy 52 4N-32H-O268, Hz, Plan #1 V0 | BROWN 41-5 (EXISTING), ENCANA |
| an #1 V0 | Hwy 52 4O-32H-O268, Hz, Plan #1 V0 | RAY NELSON 4-8-32 (EXISTING), EN |
| an #1 V0 | Hwy 52 4J-32H-O268, Hz, Plan #1 V0 | Hwy 52 4K-32H-O268, Hz, Plan #1 V0 |
| an #1 V0 | Hwy 52 4M-32H-O268, Hz, Plan #1 V0 | FOSTER 33-5 (EXISTING), ENCANA |
| an #1 V0 | WANDELL 41-7 (EXISTING), ENCANA WELL, Plan #1 V4 | RAY NELSON 33-32 (EXISTING), EN |
| an #1 V0 | RAY NELSON 8-8-32 (EXISTING), ENCANA WELL, SURVEYS V0 | WANDELL 42-7 (EXISTING), ENCAI |
| an #1 V0 | Hwy 52 4E-32H-O268, Hz, Plan #1 V0 | BROWN 31-5 (EXISTING), ENCANA |
| an #1 V0 | Hwy 52 4F-32H-O268, Hz, Plan #1 V0 | |