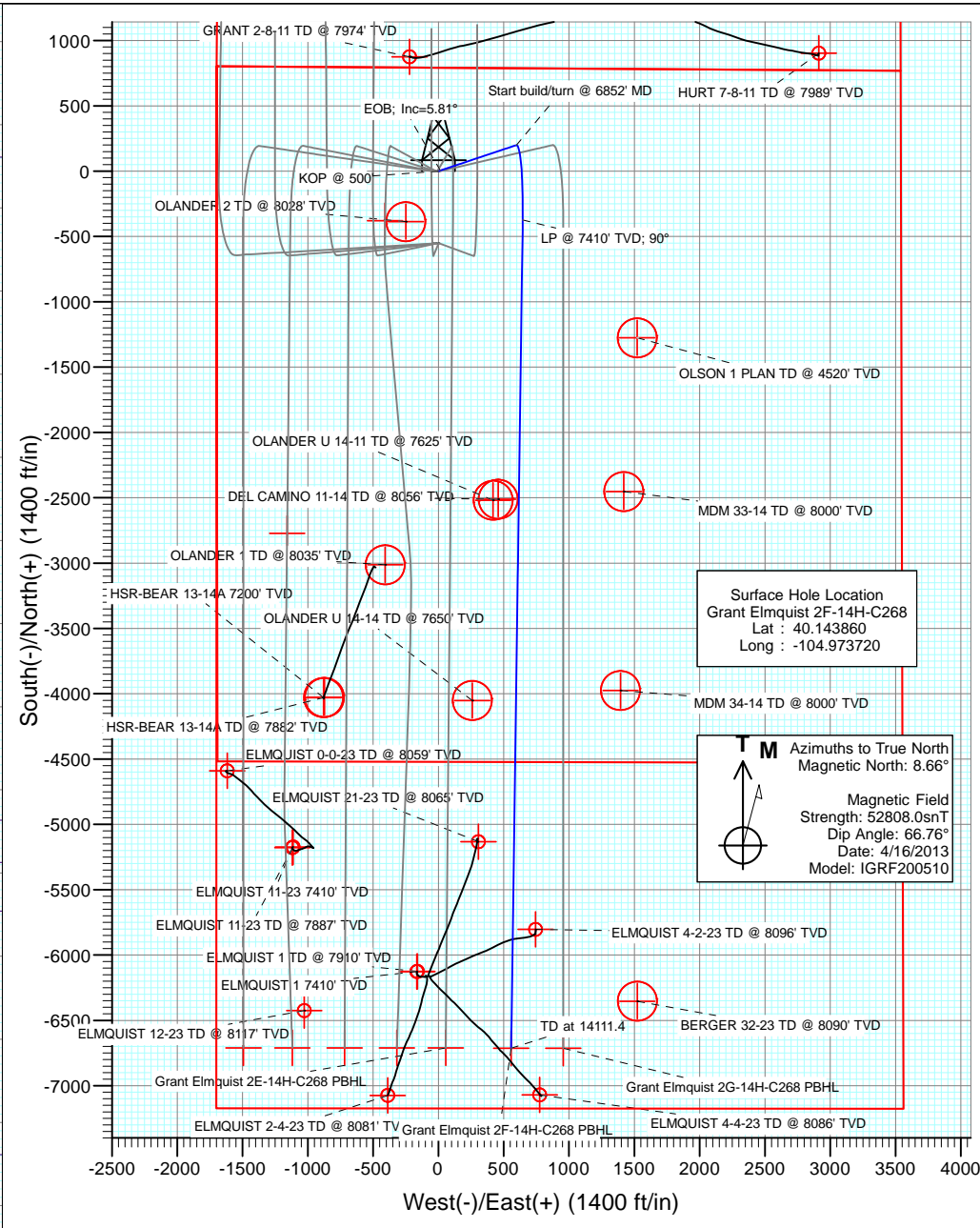
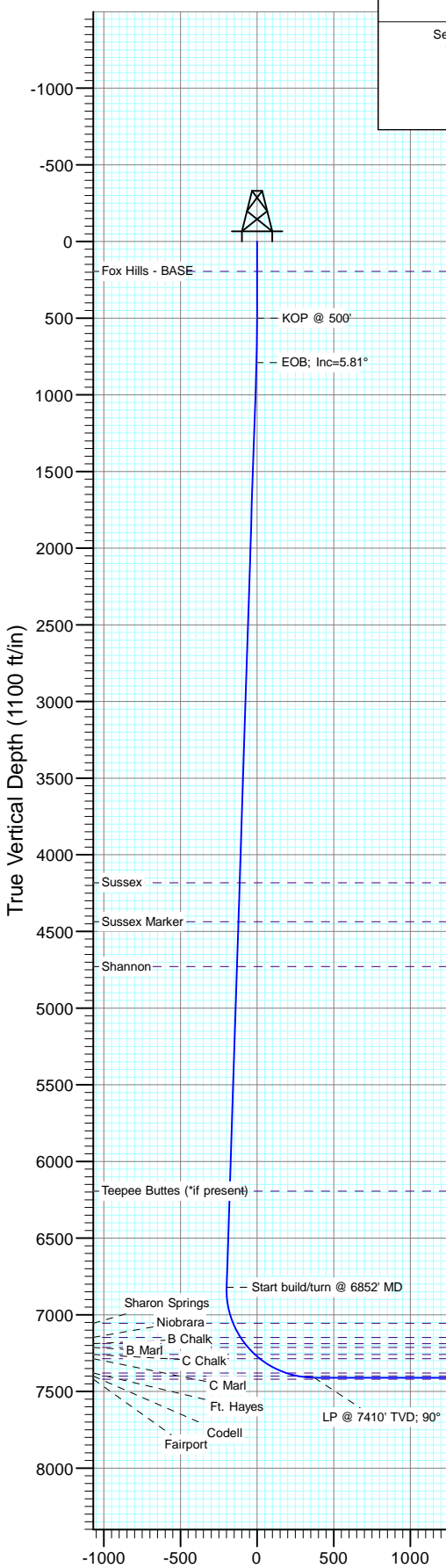




Project: DJ Wattenberg  
 Site: S14-T2N-R68W (Grant Elmquist/Salisbury)  
 Well: Grant Elmquist 2F-14H-C268  
 Wellbore: Hz  
 Design: Plan #2



| SECTION DETAILS |         |       |        |        |         |       |       |        |        |        |   |
|-----------------|---------|-------|--------|--------|---------|-------|-------|--------|--------|--------|---|
| Sec             | MD      | Inc   | Azi    | TVD    | +N-/S   | +E-/W | Dleg  | TFace  | VSec   | Target | Annotation                                    |
| 1               | 0.0     | 0.00  | 0.00   | 0.0    | 0.0     | 0.0   | 0.00  | 0.00   | 0.0    | 0.0    |   |
| 2               | 500.0   | 0.00  | 0.00   | 500.0  | 0.0     | 0.0   | 0.00  | 0.00   | 0.0    | 0.0    | KOP @ 500'                                    |
| 3               | 790.7   | 5.81  | 71.54  | 790.2  | 4.7     | 14.0  | 2.00  | 71.54  | -4.7   | -4.7   | EOB; Inc=5.81°                                |
| 4               | 6852.3  | 5.81  | 71.54  | 6820.6 | 199.1   | 596.4 | 0.00  | 0.00   | -199.1 | 0.0    | Start build/turn @ 6852' MD                   |
| 5               | 7771.4  | 90.00 | 180.80 | 7410.0 | -374.3  | 645.0 | 10.00 | 109.17 | 374.3  | 374.3  | LP @ 7410' TVD; 90°                           |
| 6               | 14111.4 | 90.00 | 180.80 | 7410.0 | -6713.7 | 556.5 | 0.00  | 6713.7 | 0.00   | 6713.7 | Grant Elmquist 2F-14H-C268 PBHL TD at 14111.4 |



| DESIGN TARGET DETAILS           |         |       |            |            |           |             |
|---------------------------------|---------|-------|------------|------------|-----------|-------------|
| Name                            | +N-/S   | +E-/W | Northing   | Easting    | Latitude  | Longitude   |
| Grant Elmquist 2F-14H-C268 PBHL | -6713.7 | 556.5 | 1288980.62 | 3147729.96 | 40.125430 | -104.971730 |

Plan #2  
 Grant Elmquist 2F-14H-C268  
 13xxx: LR  
 KB @ 4894.0ft  
 Ground Elevation @ 4881.0  
 North American Datum 1983  
 Well Grant Elmquist 2F-14H-C268, True North

Vertical Section at 180.00° (1100 ft/in)

# Cathedral Energy Services

## Planning Report

|  |   |
|--|---|
| <b>Database:</b> USA EDM 5000 Multi Users DB         | <b>Local Co-ordinate Reference:</b> Well Grant Elmquist 2F-14H-C268 |
| <b>Company:</b> EnCana Oil & Gas (USA) Inc           | <b>TVD Reference:</b> KB @ 4894.0ft                                 |
| <b>Project:</b> DJ Wattenberg                        | <b>MD Reference:</b> KB @ 4894.0ft                                  |
| <b>Site:</b> S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>North Reference:</b> True  |
| <b>Well:</b> Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b> Minimum Curvature                 |
| <b>Wellbore:</b> Hz                                  |   |
| <b>Design:</b> Plan #2                               |   |

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

|   |          |                     |                 |                          |             |
|---|----------|---------------------|-----------------|--------------------------|-------------|
| <b>Site</b> S14-T2N-R68W (Grant Elmquist/Salisbury) |          |                     |                 |                          |             |
| <b>Site Position:</b>                               |          | <b>Northing:</b>    | 1,295,686.81 ft | <b>Latitude:</b>         | 40.143850   |
| <b>From:</b>  | Lat/Long | <b>Easting:</b>     | 3,147,060.98 ft | <b>Longitude:</b>        | -104.973980 |
| <b>Position Uncertainty:</b>                        | 0.0 ft   | <b>Slot Radius:</b> | 13.200 in       | <b>Grid Convergence:</b> | 0.34 °      |

|  |              |        |                            |                 |                      |             |
|--|--------------|--------|----------------------------|-----------------|----------------------|-------------|
| <b>Well</b> Grant Elmquist 2F-14H-C268 |              |        |                            |                 |                      |             |
| <b>Well Position</b>                   | <b>+N/-S</b> | 0.0 ft | <b>Northing:</b>           | 1,295,690.87 ft | <b>Latitude:</b>     | 40.143860   |
|  | <b>+E/-W</b> | 0.0 ft | <b>Easting:</b>            | 3,147,133.64 ft | <b>Longitude:</b>    | -104.973720 |
| <b>Position Uncertainty</b>            |              | 0.0 ft | <b>Wellhead Elevation:</b> | ft              | <b>Ground Level:</b> | 4,881.0 ft  |

|                    |                   |                    |                    |                  |                       |
|--------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| <b>Wellbore</b> Hz |                   |                    |                    |                  |                       |
| <b>Magnetics</b>   | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b> | <b>Dip Angle</b> | <b>Field Strength</b> |
|                    | IGRF200510        | 4/16/2013          | (°)                | (°)              | (nT)                  |
|                    |                   |                    | 8.66               | 66.76            | 52,808                |

|                          |                         |              |                      |                  |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| <b>Design</b> Plan #2    |                         |              |                      |                  |
| <b>Audit Notes:</b>      |                         |              |                      |                  |
| <b>Version:</b>          | <b>Phase:</b>           | PLAN         | <b>Tie On Depth:</b> | 0.0              |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b>         | <b>Direction</b> |
|                          | (ft)                    | (ft)         | (ft)                 | (°)              |
|                          | 0.0                     | 0.0          | 0.0                  | 180.00           |

| <b>Plan Sections</b> |                 |             |                     |            |            |                       |                      |                     |         |                      |
|----------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|----------------------|---------------------|---------|----------------------|
| 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    |                      |
| 790.7                | 5.81            | 71.54       | 790.2               | 4.7        | 14.0       | 2.00                  | 2.00                 | 0.00                | 71.54   |                      |
| 6,852.3              | 5.81            | 71.54       | 6,820.6             | 199.1      | 596.4      | 0.00                  | 0.00                 | 0.00                | 0.00    |                      |
| 7,771.4              | 90.00           | 180.80      | 7,410.0             | -374.3     | 645.0      | 10.00                 | 9.16                 | 11.89               | 109.17  |                      |
| 14,111.4             | 90.00           | 180.80      | 7,410.0             | -6,713.7   | 556.5      | 0.00                  | 0.00                 | 0.00                | 0.00    | Grant Elmquist 2F-14 |

# Cathedral Energy Services

## Planning Report

|                  |   |                                     |                                 |
|------------------|---|-------------------------------------|---------------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB             | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc              | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Project:</b>  | DJ Wattenberg                           | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site:</b>     | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>North Reference:</b>             | True                            |
| <b>Well:</b>     | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Hz                                      |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

| 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                 |                       |
| 194.0               | 0.00            | 0.00        | 194.0               | 0.0        | 0.0        | 0.0                   | 0.00                  | 0.00                 | Fox Hills - BASE      |
| 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                 |                       |
| 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               | 2.00            | 71.54       | 600.0               | 0.6        | 1.7        | -0.6                  | 2.00                  | 2.00                 |                       |
| 700.0               | 4.00            | 71.54       | 699.8               | 2.2        | 6.6        | -2.2                  | 2.00                  | 2.00                 |                       |
| 790.7               | 5.81            | 71.54       | 790.2               | 4.7        | 14.0       | -4.7                  | 2.00                  | 2.00                 | EOB; Inc=5.81°        |
| 800.0               | 5.81            | 71.54       | 799.5               | 5.0        | 14.9       | -5.0                  | 0.00                  | 0.00                 |                       |
| 900.0               | 5.81            | 71.54       | 898.9               | 8.2        | 24.5       | -8.2                  | 0.00                  | 0.00                 |                       |
| 1,000.0             | 5.81            | 71.54       | 998.4               | 11.4       | 34.1       | -11.4                 | 0.00                  | 0.00                 |                       |
| 1,100.0             | 5.81            | 71.54       | 1,097.9             | 14.6       | 43.7       | -14.6                 | 0.00                  | 0.00                 |                       |
| 1,200.0             | 5.81            | 71.54       | 1,197.4             | 17.8       | 53.3       | -17.8                 | 0.00                  | 0.00                 |                       |
| 1,300.0             | 5.81            | 71.54       | 1,296.9             | 21.0       | 62.9       | -21.0                 | 0.00                  | 0.00                 |                       |
| 1,400.0             | 5.81            | 71.54       | 1,396.4             | 24.2       | 72.5       | -24.2                 | 0.00                  | 0.00                 |                       |
| 1,500.0             | 5.81            | 71.54       | 1,495.9             | 27.4       | 82.1       | -27.4                 | 0.00                  | 0.00                 |                       |
| 1,600.0             | 5.81            | 71.54       | 1,595.3             | 30.6       | 91.7       | -30.6                 | 0.00                  | 0.00                 |                       |
| 1,700.0             | 5.81            | 71.54       | 1,694.8             | 33.8       | 101.3      | -33.8                 | 0.00                  | 0.00                 |                       |
| 1,800.0             | 5.81            | 71.54       | 1,794.3             | 37.0       | 110.9      | -37.0                 | 0.00                  | 0.00                 |                       |
| 1,900.0             | 5.81            | 71.54       | 1,893.8             | 40.2       | 120.6      | -40.2                 | 0.00                  | 0.00                 |                       |
| 2,000.0             | 5.81            | 71.54       | 1,993.3             | 43.5       | 130.2      | -43.5                 | 0.00                  | 0.00                 |                       |
| 2,100.0             | 5.81            | 71.54       | 2,092.8             | 46.7       | 139.8      | -46.7                 | 0.00                  | 0.00                 |                       |
| 2,200.0             | 5.81            | 71.54       | 2,192.3             | 49.9       | 149.4      | -49.9                 | 0.00                  | 0.00                 |                       |
| 2,300.0             | 5.81            | 71.54       | 2,291.7             | 53.1       | 159.0      | -53.1                 | 0.00                  | 0.00                 |                       |
| 2,400.0             | 5.81            | 71.54       | 2,391.2             | 56.3       | 168.6      | -56.3                 | 0.00                  | 0.00                 |                       |
| 2,500.0             | 5.81            | 71.54       | 2,490.7             | 59.5       | 178.2      | -59.5                 | 0.00                  | 0.00                 |                       |
| 2,600.0             | 5.81            | 71.54       | 2,590.2             | 62.7       | 187.8      | -62.7                 | 0.00                  | 0.00                 |                       |
| 2,700.0             | 5.81            | 71.54       | 2,689.7             | 65.9       | 197.4      | -65.9                 | 0.00                  | 0.00                 |                       |
| 2,800.0             | 5.81            | 71.54       | 2,789.2             | 69.1       | 207.0      | -69.1                 | 0.00                  | 0.00                 |                       |
| 2,900.0             | 5.81            | 71.54       | 2,888.7             | 72.3       | 216.6      | -72.3                 | 0.00                  | 0.00                 |                       |
| 3,000.0             | 5.81            | 71.54       | 2,988.1             | 75.5       | 226.2      | -75.5                 | 0.00                  | 0.00                 |                       |
| 3,100.0             | 5.81            | 71.54       | 3,087.6             | 78.7       | 235.8      | -78.7                 | 0.00                  | 0.00                 |                       |
| 3,200.0             | 5.81            | 71.54       | 3,187.1             | 81.9       | 245.5      | -81.9                 | 0.00                  | 0.00                 |                       |
| 3,300.0             | 5.81            | 71.54       | 3,286.6             | 85.2       | 255.1      | -85.2                 | 0.00                  | 0.00                 |                       |
| 3,400.0             | 5.81            | 71.54       | 3,386.1             | 88.4       | 264.7      | -88.4                 | 0.00                  | 0.00                 |                       |
| 3,500.0             | 5.81            | 71.54       | 3,485.6             | 91.6       | 274.3      | -91.6                 | 0.00                  | 0.00                 |                       |
| 3,600.0             | 5.81            | 71.54       | 3,585.1             | 94.8       | 283.9      | -94.8                 | 0.00                  | 0.00                 |                       |
| 3,700.0             | 5.81            | 71.54       | 3,684.5             | 98.0       | 293.5      | -98.0                 | 0.00                  | 0.00                 |                       |
| 3,800.0             | 5.81            | 71.54       | 3,784.0             | 101.2      | 303.1      | -101.2                | 0.00                  | 0.00                 |                       |
| 3,900.0             | 5.81            | 71.54       | 3,883.5             | 104.4      | 312.7      | -104.4                | 0.00                  | 0.00                 |                       |
| 4,000.0             | 5.81            | 71.54       | 3,983.0             | 107.6      | 322.3      | -107.6                | 0.00                  | 0.00                 |                       |
| 4,100.0             | 5.81            | 71.54       | 4,082.5             | 110.8      | 331.9      | -110.8                | 0.00                  | 0.00                 |                       |
| 4,200.0             | 5.81            | 71.54       | 4,182.0             | 114.0      | 341.5      | -114.0                | 0.00                  | 0.00                 | Sussex                |
| 4,300.0             | 5.81            | 71.54       | 4,281.5             | 117.2      | 351.1      | -117.2                | 0.00                  | 0.00                 |                       |
| 4,400.0             | 5.81            | 71.54       | 4,380.9             | 120.4      | 360.7      | -120.4                | 0.00                  | 0.00                 |                       |
| 4,455.3             | 5.81            | 71.54       | 4,436.0             | 122.2      | 366.1      | -122.2                | 0.00                  | 0.00                 | Sussex Marker         |
| 4,500.0             | 5.81            | 71.54       | 4,480.4             | 123.6      | 370.4      | -123.6                | 0.00                  | 0.00                 |                       |
| 4,600.0             | 5.81            | 71.54       | 4,579.9             | 126.8      | 380.0      | -126.8                | 0.00                  | 0.00                 |                       |
| 4,700.0             | 5.81            | 71.54       | 4,679.4             | 130.1      | 389.6      | -130.1                | 0.00                  | 0.00                 |                       |
| 4,749.9             | 5.81            | 71.54       | 4,729.0             | 131.7      | 394.4      | -131.7                | 0.00                  | 0.00                 | Shannon               |

# Cathedral Energy Services

## Planning Report

|  |   |
|--|---|
| <b>Database:</b> USA EDM 5000 Multi Users DB         | <b>Local Co-ordinate Reference:</b> Well Grant Elmquist 2F-14H-C268 |
| <b>Company:</b> EnCana Oil & Gas (USA) Inc           | <b>TVD Reference:</b> KB @ 4894.0ft                                 |
| <b>Project:</b> DJ Wattenberg                        | <b>MD Reference:</b> KB @ 4894.0ft                                  |
| <b>Site:</b> S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>North Reference:</b> True  |
| <b>Well:</b> Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b> Minimum Curvature                 |
| <b>Wellbore:</b> Hz                                  |   |
| <b>Design:</b> Plan #2                               |   |

| 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             | 5.81            | 71.54       | 4,778.9             | 133.3      | 399.2      | -133.3                | 0.00                  | 0.00                 |                             |
| 4,900.0             | 5.81            | 71.54       | 4,878.4             | 136.5      | 408.8      | -136.5                | 0.00                  | 0.00                 |                             |
| 5,000.0             | 5.81            | 71.54       | 4,977.9             | 139.7      | 418.4      | -139.7                | 0.00                  | 0.00                 |                             |
| 5,100.0             | 5.81            | 71.54       | 5,077.3             | 142.9      | 428.0      | -142.9                | 0.00                  | 0.00                 |                             |
| 5,200.0             | 5.81            | 71.54       | 5,176.8             | 146.1      | 437.6      | -146.1                | 0.00                  | 0.00                 |                             |
| 5,300.0             | 5.81            | 71.54       | 5,276.3             | 149.3      | 447.2      | -149.3                | 0.00                  | 0.00                 |                             |
| 5,400.0             | 5.81            | 71.54       | 5,375.8             | 152.5      | 456.8      | -152.5                | 0.00                  | 0.00                 |                             |
| 5,500.0             | 5.81            | 71.54       | 5,475.3             | 155.7      | 466.4      | -155.7                | 0.00                  | 0.00                 |                             |
| 5,600.0             | 5.81            | 71.54       | 5,574.8             | 158.9      | 476.0      | -158.9                | 0.00                  | 0.00                 |                             |
| 5,700.0             | 5.81            | 71.54       | 5,674.3             | 162.1      | 485.6      | -162.1                | 0.00                  | 0.00                 |                             |
| 5,800.0             | 5.81            | 71.54       | 5,773.7             | 165.3      | 495.3      | -165.3                | 0.00                  | 0.00                 |                             |
| 5,900.0             | 5.81            | 71.54       | 5,873.2             | 168.5      | 504.9      | -168.5                | 0.00                  | 0.00                 |                             |
| 6,000.0             | 5.81            | 71.54       | 5,972.7             | 171.8      | 514.5      | -171.8                | 0.00                  | 0.00                 |                             |
| 6,100.0             | 5.81            | 71.54       | 6,072.2             | 175.0      | 524.1      | -175.0                | 0.00                  | 0.00                 |                             |
| 6,200.0             | 5.81            | 71.54       | 6,171.7             | 178.2      | 533.7      | -178.2                | 0.00                  | 0.00                 |                             |
| 6,222.4             | 5.81            | 71.54       | 6,194.0             | 178.9      | 535.8      | -178.9                | 0.00                  | 0.00                 | Teepee Buttes (*if present) |
| 6,300.0             | 5.81            | 71.54       | 6,271.2             | 181.4      | 543.3      | -181.4                | 0.00                  | 0.00                 |                             |
| 6,400.0             | 5.81            | 71.54       | 6,370.7             | 184.6      | 552.9      | -184.6                | 0.00                  | 0.00                 |                             |
| 6,500.0             | 5.81            | 71.54       | 6,470.1             | 187.8      | 562.5      | -187.8                | 0.00                  | 0.00                 |                             |
| 6,600.0             | 5.81            | 71.54       | 6,569.6             | 191.0      | 572.1      | -191.0                | 0.00                  | 0.00                 |                             |
| 6,700.0             | 5.81            | 71.54       | 6,669.1             | 194.2      | 581.7      | -194.2                | 0.00                  | 0.00                 |                             |
| 6,800.0             | 5.81            | 71.54       | 6,768.6             | 197.4      | 591.3      | -197.4                | 0.00                  | 0.00                 |                             |
| 6,852.3             | 5.81            | 71.54       | 6,820.6             | 199.1      | 596.4      | -199.1                | 0.00                  | 0.00                 | Start build/turn @ 6852' MD |
| 6,900.0             | 6.19            | 118.34      | 6,868.1             | 198.6      | 600.9      | -198.6                | 10.00                 | 0.78                 |                             |
| 7,000.0             | 13.96           | 158.06      | 6,966.6             | 184.8      | 610.2      | -184.8                | 10.00                 | 7.77                 |                             |
| 7,093.3             | 22.82           | 167.59      | 7,055.0             | 156.7      | 618.3      | -156.7                | 10.00                 | 9.50                 | Sharon Springs              |
| 7,100.0             | 23.47           | 168.01      | 7,061.2             | 154.1      | 618.9      | -154.1                | 10.00                 | 9.70                 |                             |
| 7,198.7             | 33.13           | 172.33      | 7,148.0             | 108.0      | 626.6      | -108.0                | 10.00                 | 9.79                 | Niobrara                    |
| 7,200.0             | 33.26           | 172.37      | 7,149.1             | 107.3      | 626.6      | -107.3                | 10.00                 | 9.85                 |                             |
| 7,247.9             | 37.98           | 173.73      | 7,188.0             | 79.6       | 630.0      | -79.6                 | 10.00                 | 9.86                 | B Chalk                     |
| 7,279.0             | 41.06           | 174.47      | 7,212.0             | 60.0       | 632.0      | -60.0                 | 10.00                 | 9.89                 | B Marl                      |
| 7,300.0             | 43.14           | 174.91      | 7,227.6             | 45.9       | 633.3      | -45.9                 | 10.00                 | 9.90                 |                             |
| 7,344.7             | 47.57           | 175.76      | 7,259.0             | 14.2       | 635.9      | -14.2                 | 10.00                 | 9.91                 | C Chalk                     |
| 7,386.4             | 51.71           | 176.45      | 7,286.0             | -17.5      | 638.1      | 17.5                  | 10.00                 | 9.92                 | C Marl                      |
| 7,400.0             | 53.06           | 176.65      | 7,294.3             | -28.2      | 638.7      | 28.2                  | 10.00                 | 9.93                 |                             |
| 7,500.0             | 62.99           | 177.99      | 7,347.2             | -112.8     | 642.6      | 112.8                 | 10.00                 | 9.94                 |                             |
| 7,584.8             | 71.42           | 178.95      | 7,380.0             | -190.9     | 644.7      | 190.9                 | 10.00                 | 9.95                 | Ft. Hayes                   |
| 7,600.0             | 72.94           | 179.11      | 7,384.7             | -205.4     | 644.9      | 205.4                 | 10.00                 | 9.95                 |                             |
| 7,664.0             | 79.30           | 179.76      | 7,400.0             | -267.5     | 645.5      | 267.5                 | 10.00                 | 9.95                 | Codell                      |
| 7,700.0             | 82.89           | 180.11      | 7,405.6             | -303.0     | 645.6      | 303.0                 | 10.00                 | 9.95                 |                             |
| 7,771.4             | 90.00           | 180.80      | 7,410.0             | -374.3     | 645.0      | 374.3                 | 10.00                 | 9.95                 | LP @ 7410' TVD; 90°         |
| 7,800.0             | 90.00           | 180.80      | 7,410.0             | -402.8     | 644.6      | 402.8                 | 0.00                  | 0.00                 |                             |
| 7,900.0             | 90.00           | 180.80      | 7,410.0             | -502.8     | 643.2      | 502.8                 | 0.00                  | 0.00                 |                             |
| 8,000.0             | 90.00           | 180.80      | 7,410.0             | -602.8     | 641.8      | 602.8                 | 0.00                  | 0.00                 |                             |
| 8,100.0             | 90.00           | 180.80      | 7,410.0             | -702.8     | 640.4      | 702.8                 | 0.00                  | 0.00                 |                             |
| 8,200.0             | 90.00           | 180.80      | 7,410.0             | -802.8     | 639.0      | 802.8                 | 0.00                  | 0.00                 |                             |
| 8,300.0             | 90.00           | 180.80      | 7,410.0             | -902.8     | 637.6      | 902.8                 | 0.00                  | 0.00                 |                             |
| 8,400.0             | 90.00           | 180.80      | 7,410.0             | -1,002.8   | 636.2      | 1,002.8               | 0.00                  | 0.00                 |                             |
| 8,500.0             | 90.00           | 180.80      | 7,410.0             | -1,102.8   | 634.8      | 1,102.8               | 0.00                  | 0.00                 |                             |
| 8,600.0             | 90.00           | 180.80      | 7,410.0             | -1,202.8   | 633.4      | 1,202.8               | 0.00                  | 0.00                 |                             |
| 8,700.0             | 90.00           | 180.80      | 7,410.0             | -1,302.8   | 632.0      | 1,302.8               | 0.00                  | 0.00                 |                             |
| 8,800.0             | 90.00           | 180.80      | 7,410.0             | -1,402.8   | 630.6      | 1,402.8               | 0.00                  | 0.00                 |                             |

# Cathedral Energy Services

## Planning Report

|                  |   |                                     |                                 |
|------------------|---|-------------------------------------|---------------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB             | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Company:</b>  | EnCana Oil & Gas (USA) Inc              | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Project:</b>  | DJ Wattenberg                           | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site:</b>     | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>North Reference:</b>             | True                            |
| <b>Well:</b>     | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Wellbore:</b> | Hz                                      |                                     |                                 |
| <b>Design:</b>   | Plan #2                                 |                                     |                                 |

| 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 |
| 8,900.0             | 90.00           | 180.80      | 7,410.0             | -1,502.7   | 629.2      | 1,502.7               | 0.00                  | 0.00                 |                       |
| 9,000.0             | 90.00           | 180.80      | 7,410.0             | -1,602.7   | 627.8      | 1,602.7               | 0.00                  | 0.00                 |                       |
| 9,100.0             | 90.00           | 180.80      | 7,410.0             | -1,702.7   | 626.5      | 1,702.7               | 0.00                  | 0.00                 |                       |
| 9,200.0             | 90.00           | 180.80      | 7,410.0             | -1,802.7   | 625.1      | 1,802.7               | 0.00                  | 0.00                 |                       |
| 9,300.0             | 90.00           | 180.80      | 7,410.0             | -1,902.7   | 623.7      | 1,902.7               | 0.00                  | 0.00                 |                       |
| 9,400.0             | 90.00           | 180.80      | 7,410.0             | -2,002.7   | 622.3      | 2,002.7               | 0.00                  | 0.00                 |                       |
| 9,500.0             | 90.00           | 180.80      | 7,410.0             | -2,102.7   | 620.9      | 2,102.7               | 0.00                  | 0.00                 |                       |
| 9,600.0             | 90.00           | 180.80      | 7,410.0             | -2,202.7   | 619.5      | 2,202.7               | 0.00                  | 0.00                 |                       |
| 9,700.0             | 90.00           | 180.80      | 7,410.0             | -2,302.7   | 618.1      | 2,302.7               | 0.00                  | 0.00                 |                       |
| 9,800.0             | 90.00           | 180.80      | 7,410.0             | -2,402.7   | 616.7      | 2,402.7               | 0.00                  | 0.00                 |                       |
| 9,900.0             | 90.00           | 180.80      | 7,410.0             | -2,502.6   | 615.3      | 2,502.6               | 0.00                  | 0.00                 |                       |
| 10,000.0            | 90.00           | 180.80      | 7,410.0             | -2,602.6   | 613.9      | 2,602.6               | 0.00                  | 0.00                 |                       |
| 10,100.0            | 90.00           | 180.80      | 7,410.0             | -2,702.6   | 612.5      | 2,702.6               | 0.00                  | 0.00                 |                       |
| 10,200.0            | 90.00           | 180.80      | 7,410.0             | -2,802.6   | 611.1      | 2,802.6               | 0.00                  | 0.00                 |                       |
| 10,300.0            | 90.00           | 180.80      | 7,410.0             | -2,902.6   | 609.7      | 2,902.6               | 0.00                  | 0.00                 |                       |
| 10,400.0            | 90.00           | 180.80      | 7,410.0             | -3,002.6   | 608.3      | 3,002.6               | 0.00                  | 0.00                 |                       |
| 10,500.0            | 90.00           | 180.80      | 7,410.0             | -3,102.6   | 606.9      | 3,102.6               | 0.00                  | 0.00                 |                       |
| 10,600.0            | 90.00           | 180.80      | 7,410.0             | -3,202.6   | 605.5      | 3,202.6               | 0.00                  | 0.00                 |                       |
| 10,700.0            | 90.00           | 180.80      | 7,410.0             | -3,302.6   | 604.1      | 3,302.6               | 0.00                  | 0.00                 |                       |
| 10,800.0            | 90.00           | 180.80      | 7,410.0             | -3,402.6   | 602.7      | 3,402.6               | 0.00                  | 0.00                 |                       |
| 10,900.0            | 90.00           | 180.80      | 7,410.0             | -3,502.5   | 601.3      | 3,502.5               | 0.00                  | 0.00                 |                       |
| 11,000.0            | 90.00           | 180.80      | 7,410.0             | -3,602.5   | 599.9      | 3,602.5               | 0.00                  | 0.00                 |                       |
| 11,100.0            | 90.00           | 180.80      | 7,410.0             | -3,702.5   | 598.5      | 3,702.5               | 0.00                  | 0.00                 |                       |
| 11,200.0            | 90.00           | 180.80      | 7,410.0             | -3,802.5   | 597.1      | 3,802.5               | 0.00                  | 0.00                 |                       |
| 11,300.0            | 90.00           | 180.80      | 7,410.0             | -3,902.5   | 595.7      | 3,902.5               | 0.00                  | 0.00                 |                       |
| 11,400.0            | 90.00           | 180.80      | 7,410.0             | -4,002.5   | 594.3      | 4,002.5               | 0.00                  | 0.00                 |                       |
| 11,500.0            | 90.00           | 180.80      | 7,410.0             | -4,102.5   | 592.9      | 4,102.5               | 0.00                  | 0.00                 |                       |
| 11,600.0            | 90.00           | 180.80      | 7,410.0             | -4,202.5   | 591.5      | 4,202.5               | 0.00                  | 0.00                 |                       |
| 11,700.0            | 90.00           | 180.80      | 7,410.0             | -4,302.5   | 590.2      | 4,302.5               | 0.00                  | 0.00                 |                       |
| 11,800.0            | 90.00           | 180.80      | 7,410.0             | -4,402.5   | 588.8      | 4,402.5               | 0.00                  | 0.00                 |                       |
| 11,900.0            | 90.00           | 180.80      | 7,410.0             | -4,502.4   | 587.4      | 4,502.4               | 0.00                  | 0.00                 |                       |
| 12,000.0            | 90.00           | 180.80      | 7,410.0             | -4,602.4   | 586.0      | 4,602.4               | 0.00                  | 0.00                 |                       |
| 12,100.0            | 90.00           | 180.80      | 7,410.0             | -4,702.4   | 584.6      | 4,702.4               | 0.00                  | 0.00                 |                       |
| 12,200.0            | 90.00           | 180.80      | 7,410.0             | -4,802.4   | 583.2      | 4,802.4               | 0.00                  | 0.00                 |                       |
| 12,300.0            | 90.00           | 180.80      | 7,410.0             | -4,902.4   | 581.8      | 4,902.4               | 0.00                  | 0.00                 |                       |
| 12,400.0            | 90.00           | 180.80      | 7,410.0             | -5,002.4   | 580.4      | 5,002.4               | 0.00                  | 0.00                 |                       |
| 12,500.0            | 90.00           | 180.80      | 7,410.0             | -5,102.4   | 579.0      | 5,102.4               | 0.00                  | 0.00                 |                       |
| 12,600.0            | 90.00           | 180.80      | 7,410.0             | -5,202.4   | 577.6      | 5,202.4               | 0.00                  | 0.00                 |                       |
| 12,700.0            | 90.00           | 180.80      | 7,410.0             | -5,302.4   | 576.2      | 5,302.4               | 0.00                  | 0.00                 |                       |
| 12,800.0            | 90.00           | 180.80      | 7,410.0             | -5,402.4   | 574.8      | 5,402.4               | 0.00                  | 0.00                 |                       |
| 12,900.0            | 90.00           | 180.80      | 7,410.0             | -5,502.4   | 573.4      | 5,502.4               | 0.00                  | 0.00                 |                       |
| 13,000.0            | 90.00           | 180.80      | 7,410.0             | -5,602.3   | 572.0      | 5,602.3               | 0.00                  | 0.00                 |                       |
| 13,100.0            | 90.00           | 180.80      | 7,410.0             | -5,702.3   | 570.6      | 5,702.3               | 0.00                  | 0.00                 |                       |
| 13,200.0            | 90.00           | 180.80      | 7,410.0             | -5,802.3   | 569.2      | 5,802.3               | 0.00                  | 0.00                 |                       |
| 13,300.0            | 90.00           | 180.80      | 7,410.0             | -5,902.3   | 567.8      | 5,902.3               | 0.00                  | 0.00                 |                       |
| 13,400.0            | 90.00           | 180.80      | 7,410.0             | -6,002.3   | 566.4      | 6,002.3               | 0.00                  | 0.00                 |                       |
| 13,500.0            | 90.00           | 180.80      | 7,410.0             | -6,102.3   | 565.0      | 6,102.3               | 0.00                  | 0.00                 |                       |
| 13,600.0            | 90.00           | 180.80      | 7,410.0             | -6,202.3   | 563.6      | 6,202.3               | 0.00                  | 0.00                 |                       |
| 13,700.0            | 90.00           | 180.80      | 7,410.0             | -6,302.3   | 562.2      | 6,302.3               | 0.00                  | 0.00                 |                       |
| 13,800.0            | 90.00           | 180.80      | 7,410.0             | -6,402.3   | 560.8      | 6,402.3               | 0.00                  | 0.00                 |                       |
| 13,900.0            | 90.00           | 180.80      | 7,410.0             | -6,502.3   | 559.4      | 6,502.3               | 0.00                  | 0.00                 |                       |
| 14,000.0            | 90.00           | 180.80      | 7,410.0             | -6,602.2   | 558.0      | 6,602.2               | 0.00                  | 0.00                 |                       |

# Cathedral Energy Services

## Planning Report

|  |   |
|--|---|
| <b>Database:</b> USA EDM 5000 Multi Users DB         | <b>Local Co-ordinate Reference:</b> Well Grant Elmquist 2F-14H-C268 |
| <b>Company:</b> EnCana Oil & Gas (USA) Inc           | <b>TVD Reference:</b> KB @ 4894.0ft                                 |
| <b>Project:</b> DJ Wattenberg                        | <b>MD Reference:</b> KB @ 4894.0ft                                  |
| <b>Site:</b> S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>North Reference:</b> True  |
| <b>Well:</b> Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b> Minimum Curvature                 |
| <b>Wellbore:</b> Hz                                  |   |
| <b>Design:</b> Plan #2                               |   |

| 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                        |
| 14,100.0            | 90.00           | 180.80      | 7,410.0             | -6,702.2   | 556.6      | 6,702.2               | 0.00                  | 0.00                 |  |
| 14,111.4            | 90.00           | 180.80      | 7,410.0             | -6,713.7   | 556.5      | 6,713.7               | 0.00                  | 0.00                 | TD at 14111.4 - Grant Elmquist 2F-14H-C268 P |

| Targets  |               |              |          |            |            |               |              |           |             |
|--|---------------|--------------|----------|------------|------------|---------------|--------------|-----------|-------------|
| Target Name  | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (ft) | Easting (ft) | Latitude  | Longitude   |
| Grant Elmquist 2F-14H-C268<br>- hit/miss target<br>- Shape<br>- plan hits target center<br>- Point | 0.00          | 0.00         | 7,410.0  | -6,713.7   | 556.5      | 1,288,980.62  | 3,147,729.96 | 40.125430 | -104.971730 |

| Formations          |                     |                             |           |         |                   |  |
|---------------------|---------------------|-----------------------------|-----------|---------|-------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Name                        | Lithology | Dip (°) | Dip Direction (°) |  |
| 194.0               | 194.0               | Fox Hills - BASE            |           |         |                   |  |
| 4,200.0             | 4,182.0             | Sussex                      |           |         |                   |  |
| 4,455.3             | 4,436.0             | Sussex Marker               |           |         |                   |  |
| 4,749.9             | 4,729.0             | Shannon                     |           |         |                   |  |
| 6,222.4             | 6,194.0             | Teepee Buttes (*if present) |           |         |                   |  |
| 7,093.3             | 7,055.0             | Sharon Springs              |           |         |                   |  |
| 7,198.7             | 7,148.0             | Niobrara                    |           |         |                   |  |
| 7,247.9             | 7,188.0             | B Chalk                     |           |         |                   |  |
| 7,279.0             | 7,212.0             | B Marl                      |           |         |                   |  |
| 7,344.7             | 7,259.0             | C Chalk                     |           |         |                   |  |
| 7,386.4             | 7,286.0             | C Marl                      |           |         |                   |  |
| 7,584.8             | 7,380.0             | Ft. Hayes                   |           |         |                   |  |
| 7,664.0             | 7,400.0             | Codell                      |           |         |                   |  |

| Plan Annotations    |                     |                   |            |                             |  |
|---------------------|---------------------|-------------------|------------|-----------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates |            | Comment                     |  |
|                     |                     | +N/-S (ft)        | +E/-W (ft) |                             |  |
| 500.0               | 500.0               | 0.0               | 0.0        | KOP @ 500'                  |  |
| 790.7               | 790.2               | 4.7               | 14.0       | EOB; Inc=5.81°              |  |
| 6,852.3             | 6,820.6             | 199.1             | 596.4      | Start build/turn @ 6852' MD |  |
| 7,771.4             | 7,410.0             | -374.3            | 645.0      | LP @ 7410' TVD; 90°         |  |
| 14,111.4            | 7,410.0             | -6,713.7          | 556.5      | TD at 14111.4               |  |

# **EnCana Oil & Gas (USA) Inc**

**DJ Wattenberg**

**S14-T2N-R68W (Grant Elmquist/Salisbury)**

**Grant Elmquist 2F-14H-C268**

**Hz**

**Plan #2**

## **Anticollision Report**

**15 May, 2013**

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

|                                     |   |                       |                     |
|-------------------------------------|---|-----------------------|---------------------|
| <b>Reference</b>                    | Plan #2   |                       |                     |
| <b>Filter type:</b>                 | NO GLOBAL FILTER: Using user defined selection & filtering criteria |                       |                     |
| <b>Interpolation Method:</b>        | MD Interval 100.0ft   | <b>Error Model:</b>   | Systematic Ellipse  |
| <b>Depth Range:</b>                 | Unlimited   | <b>Scan Method:</b>   | Closest Approach 3D |
| <b>Results Limited by:</b>          | Maximum center-center distance of 1,279.0ft                         | <b>Error Surface:</b> | Elliptical Conic    |
| <b>Warning Levels Evaluated at:</b> | 2.00 Sigma  |                       |                     |

|                            |                    |                          |                  |                    |  |
|----------------------------|--------------------|--------------------------|------------------|--------------------|--|
| <b>Survey Tool Program</b> |                    | <b>Date</b>              | 5/15/2013        |                    |  |
| <b>From<br/>(ft)</b>       | <b>To<br/>(ft)</b> | <b>Survey (Wellbore)</b> | <b>Tool Name</b> | <b>Description</b> |  |
| 0.0                        | 14,111.4           | Plan #2 (Hz)             | MWD              | Geolink MWD        |  |

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

### Summary

| Site Name<br>Offset Well - Wellbore - Design     | Reference                 | Offset                    | Distance                   |                             | Separation<br>Factor | Warning             |
|--|---------------------------|---------------------------|----------------------------|-----------------------------|----------------------|---------------------|
|  | Measured<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                      |                     |
| S14-T2N-R68W (Grant Elmquist/Salisbury)          |                           |                           |                            |                             |                      |                     |
| BERGER 32-23 (EXISTING) - EXISTING - NO SURVEY   | 13,737.3                  | 7,418.0                   | 961.0                      | 834.6                       | 7.601                | CC, ES              |
| BERGER 32-23 (EXISTING) - EXISTING - NO SURVEY   | 13,900.0                  | 7,418.0                   | 974.7                      | 845.4                       | 7.540                | SF                  |
| DEL CAMINO 11-14 (EXISTING) - EXISTING - NO SURV | 9,910.6                   | 7,406.0                   | 158.3                      | 98.0                        | 2.625                | CC, ES, SF          |
| ELMQUIST 0-0-23 (EXISTING) - EXISTING - SURVEYS  |                           |                           |                            |                             |                      | Out of range        |
| ELMQUIST 1 (EXISTING) - EXISTING - GYRO          | 13,534.3                  | 7,440.2                   | 729.8                      | 613.3                       | 6.268                | CC, ES              |
| ELMQUIST 1 (EXISTING) - EXISTING - GYRO          | 13,600.0                  | 7,440.3                   | 732.7                      | 615.1                       | 6.232                | SF                  |
| ELMQUIST 11-23 (EXISTING) - EXISTING - GYRO      |                           |                           |                            |                             |                      | Out of range        |
| ELMQUIST 12-23 (EXISTING) - EXISTING - NO SURVE  |                           |                           |                            |                             |                      | Out of range        |
| ELMQUIST 21-23 (EXISTING) - EXISTING - SURVEYS   | 12,534.6                  | 7,608.2                   | 275.2                      | 160.2                       | 2.393                | CC, ES, SF          |
| ELMQUIST 2-4-23 (EXISTING) - EXISTING - SURVEYS  | 14,111.4                  | 7,558.5                   | 1,011.1                    | 870.5                       | 7.192                | CC, ES, SF          |
| ELMQUIST 4-2-23 (EXISTING) - EXISTING - SURVEYS  | 13,203.1                  | 7,539.4                   | 177.2                      | 58.4                        | 1.491                | Level 3, CC, ES, SF |
| ELMQUIST 4-4-23 (EXISTING) - EXISTING - SURVEYS  | 14,111.4                  | 7,632.5                   | 419.8                      | 279.1                       | 2.984                | CC, ES, SF          |
| GRANT 23-11 (EXISTING) - EXISTING - SURVEYS      |                           |                           |                            |                             |                      | Out of range        |
| GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS     | 4,329.6                   | 4,522.4                   | 858.2                      | 822.6                       | 24.085               | CC                  |
| GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS     | 4,400.0                   | 4,586.3                   | 858.7                      | 822.5                       | 23.749               | ES                  |
| GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS     | 4,900.0                   | 5,049.8                   | 883.7                      | 844.6                       | 22.604               | SF                  |
| GRANT 3-6-11 (EXISTING) - EXISTING - SURVEYS     |                           |                           |                            |                             |                      | Out of range        |
| Grant Elmquist 2A-14H-C268 - Hz - Plan #2        | 200.0                     | 200.0                     | 47.5                       | 46.9                        | 72.808               | CC, ES              |
| Grant Elmquist 2A-14H-C268 - Hz - Plan #2        | 500.0                     | 494.1                     | 62.8                       | 61.1                        | 35.710               | SF                  |
| Grant Elmquist 2B-14H-C268 - Hz - Plan #2        | 300.0                     | 300.0                     | 39.1                       | 38.1                        | 39.068               | CC, ES              |
| Grant Elmquist 2B-14H-C268 - Hz - Plan #2        | 500.0                     | 497.0                     | 45.9                       | 44.2                        | 26.798               | SF                  |
| Grant Elmquist 2C-14H-C268 - Hz - Plan #2        | 400.0                     | 400.0                     | 28.0                       | 26.6                        | 20.695               | CC, ES              |
| Grant Elmquist 2C-14H-C268 - Hz - Plan #2        | 500.0                     | 499.0                     | 29.6                       | 27.9                        | 17.411               | SF                  |
| Grant Elmquist 2D-14H-C268 - Hz - Plan #2        | 500.0                     | 500.0                     | 19.6                       | 17.9                        | 11.512               | CC, ES              |
| Grant Elmquist 2D-14H-C268 - Hz - Plan #2        | 14,111.4                  | 14,064.8                  | 874.9                      | 635.1                       | 3.648                | SF                  |
| Grant Elmquist 2E-14H-C268 - Hz - Plan #2        | 500.0                     | 500.0                     | 8.4                        | 6.7                         | 4.934                | CC, ES              |
| Grant Elmquist 2E-14H-C268 - Hz - Plan #2        | 14,111.4                  | 13,860.6                  | 542.8                      | 320.9                       | 2.446                | SF                  |
| Grant Elmquist 2G-14H-C268 - Hz - Plan #2        | 362.5                     | 373.5                     | 11.2                       | 10.0                        | 9.165                | CC                  |
| Grant Elmquist 2G-14H-C268 - Hz - Plan #2        | 400.0                     | 411.0                     | 11.2                       | 9.9                         | 8.292                | ES                  |
| Grant Elmquist 2G-14H-C268 - Hz - Plan #2        | 14,111.4                  | 13,937.0                  | 456.9                      | 245.7                       | 2.163                | SF                  |
| Grant Salisbury 2A-14H-C268 - Hz - Plan #1       | 200.0                     | 200.0                     | 555.1                      | 554.4                       | 850.380              | CC                  |
| Grant Salisbury 2A-14H-C268 - Hz - Plan #1       | 300.0                     | 297.5                     | 555.3                      | 554.3                       | 556.326              | ES                  |
| Grant Salisbury 2A-14H-C268 - Hz - Plan #1       | 3,100.0                   | 2,941.6                   | 1,088.1                    | 1,074.7                     | 81.205               | SF                  |
| Grant Salisbury 2B-14H-C268 - Hz - Plan #1       | 300.0                     | 300.0                     | 554.6                      | 553.6                       | 553.553              | CC                  |
| Grant Salisbury 2B-14H-C268 - Hz - Plan #1       | 400.0                     | 397.4                     | 554.8                      | 553.5                       | 411.931              | ES                  |
| Grant Salisbury 2B-14H-C268 - Hz - Plan #1       | 4,200.0                   | 4,043.9                   | 1,247.2                    | 1,230.5                     | 74.905               | SF                  |
| Grant Salisbury 2C-14H-C268 - Hz - Plan #1       | 400.0                     | 400.0                     | 554.1                      | 552.7                       | 410.140              | CC                  |
| Grant Salisbury 2C-14H-C268 - Hz - Plan #1       | 500.0                     | 497.0                     | 554.3                      | 552.6                       | 326.985              | ES                  |
| Grant Salisbury 2C-14H-C268 - Hz - Plan #1       | 5,200.0                   | 5,074.4                   | 1,275.1                    | 1,255.6                     | 65.316               | SF                  |
| Grant Salisbury 2D-14H-C268 - Hz - Plan #1       | 400.0                     | 400.0                     | 553.8                      | 552.5                       | 409.968              | CC, ES              |
| Grant Salisbury 2D-14H-C268 - Hz - Plan #1       | 8,500.0                   | 7,112.6                   | 1,272.6                    | 1,236.8                     | 35.538               | SF                  |
| Grant Salisbury 2E-14H-C268 - Hz - Plan #1       | 500.0                     | 500.0                     | 553.7                      | 552.0                       | 325.719              | CC, ES              |
| Grant Salisbury 2E-14H-C268 - Hz - Plan #1       | 7,100.0                   | 7,765.1                   | 686.8                      | 655.5                       | 22.003               | SF                  |
| Grant Salisbury 2F-14H-C268 - Hz - Plan #1       | 7,200.0                   | 7,787.7                   | 351.5                      | 320.3                       | 11.282               | SF                  |
| Grant Salisbury 2F-14H-C268 - Hz - Plan #1       | 7,318.9                   | 7,713.2                   | 339.3                      | 309.4                       | 11.345               | CC, ES              |
| HSR-BEAR 13-14A (EXISTING) - EXISTING - SURVEYS  |                           |                           |                            |                             |                      | Out of range        |
| HURT 33-11 (EXISTING) - EXISTING - NO SURVEY     |                           |                           |                            |                             |                      | Out of range        |
| HURT 34-11 (EXISTING) - EXISTING - SURVEYS       |                           |                           |                            |                             |                      | Out of range        |
| HURT 43-11 (EXISTING) - EXISTING - SURVEYS       |                           |                           |                            |                             |                      | Out of range        |
| HURT 7-8-11 (EXISTING) - EXISTING - SURVEYS      |                           |                           |                            |                             |                      | Out of range        |
| MDM 33-14 (EXISTING) - EXISTING - NO SURVEYS     | 9,839.2                   | 7,398.0                   | 802.6                      | 743.5                       | 13.582               | CC, ES              |
| MDM 33-14 (EXISTING) - EXISTING - NO SURVEYS     | 10,000.0                  | 7,398.0                   | 818.5                      | 756.7                       | 13.244               | SF                  |
| MDM 34-14 (EXISTING) - EXISTING - NO SURVEYS     | 11,361.7                  | 7,407.0                   | 798.8                      | 713.6                       | 9.381                | CC, ES              |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Summary  |  |                                     |  |   |                      |              |
|--|--|-------------------------------------|--|---|----------------------|--------------|
| Site Name  | Reference<br>Measured<br>Depth<br>(ft) | Offset<br>Measured<br>Depth<br>(ft) | Distance<br>Between<br>Centres<br>(ft) | Distance<br>Between<br>Ellipses<br>(ft) | Separation<br>Factor | Warning      |
| S14-T2N-R68W (Grant Elmquist/Salisbury)          |  |                                     |  |   |                      |              |
| MDM 34-14 (EXISTING) - EXISTING - NO SURVEYS     | 11,500.0                               | 7,407.0                             | 810.7                                  | 723.1                                   | 9.260                | SF           |
| NELSON 1 (EXISTING) - EXISTING - NO SURVEYS      |  |                                     |  |   |                      | Out of range |
| NELSON 23-23C (EXISTING) - EXISTING - NO SURVEY  | 14,111.4                               | 7,426.0                             | 1,203.6                                | 1,070.6                                 | 9.052                | CC, ES, SF   |
| OLANDER 1 (EXISTING) - EXISTING - NO SURVEYS     | 10,424.9                               | 7,417.0                             | 1,015.4                                | 946.4                                   | 14.702               | CC, ES       |
| OLANDER 1 (EXISTING) - EXISTING - NO SURVEYS     | 10,700.0                               | 7,417.0                             | 1,052.0                                | 978.3                                   | 14.259               | SF           |
| OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS     | 500.0                                  | 493.0                               | 460.9                                  | 459.2                                   | 269.426              | CC, ES       |
| OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS     | 8,200.0                                | 7,403.0                             | 981.3                                  | 948.2                                   | 29.645               | SF           |
| OLANDER U 14-11 (EXISTING) - EXISTING - NO SURV  | 9,919.5                                | 7,406.0                             | 196.2                                  | 135.7                                   | 3.245                | CC, ES, SF   |
| OLANDER U 14-14 (EXISTING) - EXISTING - NO SURV  | 11,454.1                               | 7,411.0                             | 334.4                                  | 247.7                                   | 3.855                | CC, ES, SF   |
| OLSON 1 (EXISTING) - PLAN ONLY - PLAN #1         |  |                                     |  |   |                      | Out of range |
| SALISBURY 1 (EXISTING) - EXISTING - GYRO         |  |                                     |  |   |                      | Out of range |
| SALISBURY 13-11 (EXISTING) - EXISTING - SURVEYS  |  |                                     |  |   |                      | Out of range |
| SALISBURY 14-11 (EXISTING) - EXISTING - SURVEYS  |  |                                     |  |   |                      | Out of range |
| SALISBURY 2-4-11 (EXISTING) - EXISTING - SURVEYS |  |                                     |  |   |                      | Out of range |

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        | Offset Site Error: | 0.0 ft  |        |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|---------|--------|
| Survey Program: 8090-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 |        |
| 12,900.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 99.6            | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,274.6              | 1,162.8               | 111.84                 | 11.396             |         |        |
| 13,000.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 101.3           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,211.3              | 1,097.7               | 113.58                 | 10.664             |         |        |
| 13,100.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 103.0           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,153.1              | 1,037.8               | 115.32                 | 9.999              |         |        |
| 13,200.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 104.7           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,101.0              | 983.9                 | 117.06                 | 9.405              |         |        |
| 13,300.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 106.5           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,055.8              | 937.0                 | 118.81                 | 8.887              |         |        |
| 13,400.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 108.2           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,018.5              | 897.9                 | 120.55                 | 8.449              |         |        |
| 13,500.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 109.9           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 989.9                | 867.6                 | 122.29                 | 8.094              |         |        |
| 13,600.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 111.7           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 970.8                | 846.7                 | 124.03                 | 7.827              |         |        |
| 13,700.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 113.4           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 961.7                | 835.9                 | 125.77                 | 7.646              |         |        |
| 13,737.3                 | 7,410.0             | 7,418.0             | 7,418.0             | 114.1           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 961.0                | 834.6                 | 126.43                 | 7.601 CC, ES       |         |        |
| 13,800.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 115.1           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 963.0                | 835.5                 | 127.52                 | 7.552              |         |        |
| 13,900.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 116.9           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 974.7                | 845.4                 | 129.26                 | 7.540 SF           |         |        |
| 14,000.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 118.6           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 996.3                | 865.3                 | 131.00                 | 7.605              |         |        |
| 14,100.0                 | 7,410.0             | 7,418.0             | 7,418.0             | 120.3           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,027.2              | 894.4                 | 132.75                 | 7.738              |         |        |
| 14,111.4                 | 7,410.0             | 7,418.0             | 7,418.0             | 120.5           | 12.9        | -90.00                | -6,353.0                          | 1,522.6    | 1,031.3              | 898.3                 | 132.95                 | 7.757              |         |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design             |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Site Error:  | 0.0 ft |                    |        |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|---|--------|--------------------|--------|
| Survey Program: 8056-MWD  |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | S14-T2N-R68W (Grant Elmquist/Salisbury) - DEL CAMINO 11-14 (EXISTING) - EXISTING - NO SURVE |        | Offset Well Error: | 0.0 ft |
| Reference                 |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning   |        |                    |        |
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |   |        |                    |        |
| 8,700.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 29.8              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 1,220.9                    | 1,180.4                     | 40.46                        | 30.173               |   |        |                    |        |
| 8,800.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 31.3              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 1,121.8                    | 1,079.7                     | 42.03                        | 26.692               |   |        |                    |        |
| 8,900.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 32.7              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 1,022.9                    | 979.3                       | 43.61                        | 23.454               |   |        |                    |        |
| 9,000.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 34.3              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 924.2                      | 879.0                       | 45.22                        | 20.440               |   |        |                    |        |
| 9,100.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 35.8              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 825.9                      | 779.0                       | 46.83                        | 17.634               |   |        |                    |        |
| 9,200.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 37.3              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 728.0                      | 679.5                       | 48.46                        | 15.021               |   |        |                    |        |
| 9,300.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 38.9              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 630.7                      | 580.6                       | 50.11                        | 12.588               |   |        |                    |        |
| 9,400.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 40.5              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 534.5                      | 482.8                       | 51.76                        | 10.327               |   |        |                    |        |
| 9,500.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 42.1              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 440.0                      | 386.6                       | 53.42                        | 8.237                |   |        |                    |        |
| 9,600.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 43.7              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 348.6                      | 293.5                       | 55.09                        | 6.327                |   |        |                    |        |
| 9,700.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 45.3              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 263.4                      | 206.7                       | 56.76                        | 4.641                |   |        |                    |        |
| 9,800.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 46.9              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 193.1                      | 134.6                       | 58.44                        | 3.304                |   |        |                    |        |
| 9,900.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 48.6              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 158.6                      | 98.5                        | 60.13                        | 2.638                |   |        |                    |        |
| 9,910.6                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 48.7              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 158.3                      | 98.0                        | 60.31                        | 2.625 CC, ES, SF     |   |        |                    |        |
| 10,000.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 50.2              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 181.8                      | 120.0                       | 61.82                        | 2.941                |   |        |                    |        |
| 10,100.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 51.9              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 246.9                      | 183.4                       | 63.52                        | 3.887                |   |        |                    |        |
| 10,200.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 53.5              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 329.9                      | 264.7                       | 65.22                        | 5.059                |   |        |                    |        |
| 10,300.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 55.2              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 420.4                      | 353.5                       | 66.92                        | 6.282                |   |        |                    |        |
| 10,400.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 56.9              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 514.4                      | 445.8                       | 68.62                        | 7.496                |   |        |                    |        |
| 10,500.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 58.5              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 610.3                      | 540.0                       | 70.33                        | 8.678                |   |        |                    |        |
| 10,600.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 60.2              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 707.4                      | 635.3                       | 72.04                        | 9.819                |   |        |                    |        |
| 10,700.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 61.9              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 805.2                      | 731.4                       | 73.76                        | 10.916               |   |        |                    |        |
| 10,800.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 63.6              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 903.4                      | 828.0                       | 75.47                        | 11.970               |   |        |                    |        |
| 10,900.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 65.3              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 1,002.0                    | 924.8                       | 77.19                        | 12.981               |   |        |                    |        |
| 11,000.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 67.0              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 1,100.9                    | 1,022.0                     | 78.91                        | 13.951               |   |        |                    |        |
| 11,100.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 68.7              | 12.9           | 90.00                       | -2,511.0                                | 456.9         | 1,199.9                    | 1,119.3                     | 80.64                        | 14.881               |   |        |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 1 (EXISTING) - EXISTING - GYRO |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 100-Gyro  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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 |                    |        |
| 12,500.0  | 7,410.0             | 7,439.8             | 7,438.9             | 92.7            | 6.5         | 90.38                 | -6,126.4                          | -165.2     | 1,265.9              | 1,167.4               | 98.44                  | 12.859            |                    |        |
| 12,600.0  | 7,410.0             | 7,439.9             | 7,438.9             | 94.4            | 6.5         | 90.38                 | -6,126.4                          | -165.2     | 1,185.5              | 1,085.4               | 100.18                 | 11.834            |                    |        |
| 12,700.0  | 7,410.0             | 7,439.9             | 7,438.9             | 96.1            | 6.5         | 90.39                 | -6,126.4                          | -165.2     | 1,108.4              | 1,006.5               | 101.92                 | 10.876            |                    |        |
| 12,800.0  | 7,410.0             | 7,439.9             | 7,439.0             | 97.8            | 6.5         | 90.39                 | -6,126.4                          | -165.2     | 1,035.3              | 931.6                 | 103.66                 | 9.988             |                    |        |
| 12,900.0  | 7,410.0             | 7,440.0             | 7,439.0             | 99.6            | 6.5         | 90.39                 | -6,126.4                          | -165.2     | 966.9                | 861.5                 | 105.40                 | 9.174             |                    |        |
| 13,000.0  | 7,410.0             | 7,440.0             | 7,439.1             | 101.3           | 6.5         | 90.40                 | -6,126.4                          | -165.2     | 904.5                | 797.3                 | 107.13                 | 8.442             |                    |        |
| 13,100.0  | 7,410.0             | 7,440.1             | 7,439.1             | 103.0           | 6.5         | 90.40                 | -6,126.4                          | -165.2     | 849.2                | 740.4                 | 108.88                 | 7.800             |                    |        |
| 13,200.0  | 7,410.0             | 7,440.1             | 7,439.1             | 104.7           | 6.5         | 90.40                 | -6,126.4                          | -165.2     | 802.7                | 692.1                 | 110.62                 | 7.257             |                    |        |
| 13,300.0  | 7,410.0             | 7,440.1             | 7,439.2             | 106.5           | 6.5         | 90.41                 | -6,126.4                          | -165.2     | 766.5                | 654.1                 | 112.36                 | 6.822             |                    |        |
| 13,400.0  | 7,410.0             | 7,440.2             | 7,439.2             | 108.2           | 6.5         | 90.41                 | -6,126.4                          | -165.2     | 742.0                | 627.9                 | 114.10                 | 6.503             |                    |        |
| 13,500.0  | 7,410.0             | 7,440.2             | 7,439.3             | 109.9           | 6.5         | 90.41                 | -6,126.4                          | -165.2     | 730.6                | 614.7                 | 115.84                 | 6.307             |                    |        |
| 13,534.3  | 7,410.0             | 7,440.2             | 7,439.3             | 110.5           | 6.5         | 90.41                 | -6,126.4                          | -165.1     | 729.8                | 613.3                 | 116.44                 | 6.268 CC, ES      |                    |        |
| 13,600.0  | 7,410.0             | 7,440.3             | 7,439.3             | 111.7           | 6.5         | 90.42                 | -6,126.4                          | -165.1     | 732.7                | 615.1                 | 117.58                 | 6.232 SF          |                    |        |
| 13,700.0  | 7,410.0             | 7,440.3             | 7,439.3             | 113.4           | 6.5         | 90.42                 | -6,126.4                          | -165.1     | 748.4                | 629.0                 | 119.33                 | 6.272             |                    |        |
| 13,800.0  | 7,410.0             | 7,440.3             | 7,439.4             | 115.1           | 6.5         | 90.42                 | -6,126.4                          | -165.1     | 776.6                | 655.6                 | 121.07                 | 6.415             |                    |        |
| 13,900.0  | 7,410.0             | 7,440.4             | 7,439.4             | 116.9           | 6.5         | 90.43                 | -6,126.4                          | -165.1     | 816.3                | 693.5                 | 122.81                 | 6.647             |                    |        |
| 14,000.0  | 7,410.0             | 7,440.4             | 7,439.5             | 118.6           | 6.5         | 90.43                 | -6,126.4                          | -165.1     | 865.7                | 741.1                 | 124.56                 | 6.950             |                    |        |
| 14,100.0  | 7,410.0             | 7,440.5             | 7,439.5             | 120.3           | 6.5         | 90.43                 | -6,126.4                          | -165.1     | 923.4                | 797.1                 | 126.30                 | 7.311             |                    |        |
| 14,111.4  | 7,410.0             | 7,440.5             | 7,439.5             | 120.5           | 6.5         | 90.43                 | -6,126.4                          | -165.1     | 930.4                | 803.9                 | 126.50                 | 7.355             |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 21-23 (EXISTING) - EXISTING - SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| Survey Program: 102-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| 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            |        |        |
| 11,300.0   | 7,410.0             | 7,598.2             | 7,441.0             | 72.1            | 23.3        | 88.73                 | -5,133.1                          | 303.3      | 1,264.9              | 1,171.3               | 93.54                  | 13.522            |                    |        |        |
| 11,400.0   | 7,410.0             | 7,599.0             | 7,441.8             | 73.8            | 23.3        | 88.90                 | -5,133.1                          | 303.3      | 1,167.5              | 1,072.2               | 95.28                  | 12.253            |                    |        |        |
| 11,500.0   | 7,410.0             | 7,599.8             | 7,442.7             | 75.5            | 23.3        | 89.08                 | -5,133.1                          | 303.3      | 1,070.5              | 973.5                 | 97.01                  | 11.035            |                    |        |        |
| 11,600.0   | 7,410.0             | 7,600.7             | 7,443.5             | 77.2            | 23.3        | 89.25                 | -5,133.1                          | 303.3      | 974.2                | 875.5                 | 98.75                  | 9.866             |                    |        |        |
| 11,700.0   | 7,410.0             | 7,601.5             | 7,444.3             | 78.9            | 23.3        | 89.42                 | -5,133.1                          | 303.3      | 878.8                | 778.3                 | 100.48                 | 8.746             |                    |        |        |
| 11,800.0   | 7,410.0             | 7,602.3             | 7,445.1             | 80.6            | 23.3        | 89.59                 | -5,133.1                          | 303.3      | 784.4                | 682.2                 | 102.22                 | 7.674             |                    |        |        |
| 11,900.0   | 7,410.0             | 7,603.1             | 7,446.0             | 82.3            | 23.3        | 89.76                 | -5,133.1                          | 303.3      | 691.7                | 587.7                 | 103.95                 | 6.654             |                    |        |        |
| 12,000.0   | 7,410.0             | 7,603.9             | 7,446.8             | 84.0            | 23.3        | 89.93                 | -5,133.1                          | 303.3      | 601.3                | 495.6                 | 105.69                 | 5.689             |                    |        |        |
| 12,100.0   | 7,410.0             | 7,604.8             | 7,447.6             | 85.8            | 23.3        | 90.10                 | -5,133.1                          | 303.3      | 514.4                | 407.0                 | 107.42                 | 4.788             |                    |        |        |
| 12,200.0   | 7,410.0             | 7,605.6             | 7,448.4             | 87.5            | 23.3        | 90.27                 | -5,133.1                          | 303.4      | 433.2                | 324.0                 | 109.16                 | 3.969             |                    |        |        |
| 12,300.0   | 7,410.0             | 7,606.4             | 7,449.2             | 89.2            | 23.3        | 90.43                 | -5,133.1                          | 303.4      | 361.6                | 250.7                 | 110.90                 | 3.261             |                    |        |        |
| 12,400.0   | 7,410.0             | 7,607.2             | 7,450.0             | 90.9            | 23.3        | 90.60                 | -5,133.1                          | 303.4      | 306.3                | 193.7                 | 112.63                 | 2.720             |                    |        |        |
| 12,500.0   | 7,410.0             | 7,607.9             | 7,450.8             | 92.7            | 23.3        | 90.76                 | -5,133.2                          | 303.4      | 277.3                | 163.0                 | 114.37                 | 2.425             |                    |        |        |
| 12,534.6   | 7,410.0             | 7,608.2             | 7,451.0             | 93.2            | 23.3        | 90.82                 | -5,133.2                          | 303.4      | 275.2                | 160.2                 | 114.97                 | 2.393             | CC, ES, SF         |        |        |
| 12,600.0   | 7,410.0             | 7,608.7             | 7,451.6             | 94.4            | 23.3        | 90.93                 | -5,133.2                          | 303.4      | 282.8                | 166.7                 | 116.10                 | 2.436             |                    |        |        |
| 12,700.0   | 7,410.0             | 7,609.5             | 7,452.3             | 96.1            | 23.3        | 91.09                 | -5,133.2                          | 303.4      | 321.0                | 203.2                 | 117.83                 | 2.724             |                    |        |        |
| 12,800.0   | 7,410.0             | 7,610.3             | 7,453.1             | 97.8            | 23.3        | 91.25                 | -5,133.2                          | 303.4      | 382.3                | 262.7                 | 119.57                 | 3.197             |                    |        |        |
| 12,900.0   | 7,410.0             | 7,611.1             | 7,453.9             | 99.6            | 23.3        | 91.42                 | -5,133.2                          | 303.4      | 457.4                | 336.1                 | 121.30                 | 3.771             |                    |        |        |
| 13,000.0   | 7,410.0             | 7,611.9             | 7,454.7             | 101.3           | 23.3        | 91.58                 | -5,133.2                          | 303.4      | 540.6                | 417.6                 | 123.03                 | 4.394             |                    |        |        |
| 13,100.0   | 7,410.0             | 7,612.6             | 7,455.4             | 103.0           | 23.3        | 91.74                 | -5,133.2                          | 303.5      | 628.8                | 504.0                 | 124.77                 | 5.040             |                    |        |        |
| 13,200.0   | 7,410.0             | 7,613.4             | 7,456.2             | 104.7           | 23.3        | 91.90                 | -5,133.2                          | 303.5      | 720.0                | 593.5                 | 126.50                 | 5.692             |                    |        |        |
| 13,300.0   | 7,410.0             | 7,614.1             | 7,457.0             | 106.5           | 23.3        | 92.05                 | -5,133.2                          | 303.5      | 813.3                | 685.1                 | 128.23                 | 6.343             |                    |        |        |
| 13,400.0   | 7,410.0             | 7,614.9             | 7,457.7             | 108.2           | 23.3        | 92.21                 | -5,133.2                          | 303.5      | 908.1                | 778.1                 | 129.96                 | 6.987             |                    |        |        |
| 13,500.0   | 7,410.0             | 7,615.7             | 7,458.5             | 109.9           | 23.3        | 92.37                 | -5,133.2                          | 303.5      | 1,003.8              | 872.1                 | 131.69                 | 7.623             |                    |        |        |
| 13,600.0   | 7,410.0             | 7,616.4             | 7,459.2             | 111.7           | 23.4        | 92.53                 | -5,133.2                          | 303.5      | 1,100.3              | 966.9                 | 133.41                 | 8.247             |                    |        |        |
| 13,700.0   | 7,410.0             | 7,617.2             | 7,460.0             | 113.4           | 23.4        | 92.68                 | -5,133.2                          | 303.5      | 1,197.4              | 1,062.3               | 135.14                 | 8.860             |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 72-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 2-4-23 (EXISTING) - EXISTING - SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| 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 |                    |        |        |
| 13,700.0  | 7,410.0             | 7,558.5             | 7,447.1             | 113.4           | 21.2        | 90.00                 | -7,074.0                          | -388.2     | 1,224.3              | 1,090.9               | 133.40                 | 9.177             |                    |        |        |
| 13,800.0  | 7,410.0             | 7,558.5             | 7,447.1             | 115.1           | 21.2        | 90.00                 | -7,074.0                          | -388.2     | 1,162.7              | 1,027.6               | 135.15                 | 8.603             |                    |        |        |
| 13,900.0  | 7,410.0             | 7,558.5             | 7,447.1             | 116.9           | 21.2        | 90.00                 | -7,074.0                          | -388.2     | 1,106.8              | 969.9                 | 136.89                 | 8.085             |                    |        |        |
| 14,000.0  | 7,410.0             | 7,558.5             | 7,447.1             | 118.6           | 21.2        | 90.00                 | -7,074.0                          | -388.2     | 1,057.3              | 918.7                 | 138.63                 | 7.627             |                    |        |        |
| 14,100.0  | 7,410.0             | 7,558.5             | 7,447.1             | 120.3           | 21.2        | 90.00                 | -7,074.0                          | -388.2     | 1,015.4              | 875.0                 | 140.38                 | 7.233             |                    |        |        |
| 14,111.4  | 7,410.0             | 7,558.5             | 7,447.1             | 120.5           | 21.2        | 90.00                 | -7,074.0                          | -388.2     | 1,011.1              | 870.5                 | 140.58                 | 7.192             | CC, ES, SF         |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 4-2-23 (EXISTING) - EXISTING - SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        | Offset Site Error: | 0.0 ft              |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|---------------------|
| Survey Program: 72-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        | Offset Well Error: | 0.0 ft              |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        | 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) | Total Uncertainty Axis |                    |                     |
| 12,000.0  | 7,410.0             | 7,547.9             | 7,455.9             | 84.0            | 20.4        | -92.85                | -5,807.9                          | 746.3      | 1,216.1              | 1,118.3               | 97.75                  | 12.440             |                     |
| 12,100.0  | 7,410.0             | 7,547.2             | 7,455.2             | 85.8            | 20.4        | -92.62                | -5,807.9                          | 746.3      | 1,117.3              | 1,017.7               | 99.51                  | 11.228             |                     |
| 12,200.0  | 7,410.0             | 7,546.4             | 7,454.5             | 87.5            | 20.4        | -92.39                | -5,807.9                          | 746.3      | 1,018.6              | 917.4                 | 101.26                 | 10.060             |                     |
| 12,300.0  | 7,410.0             | 7,545.7             | 7,453.8             | 89.2            | 20.4        | -92.17                | -5,807.9                          | 746.3      | 920.3                | 817.3                 | 103.01                 | 8.934              |                     |
| 12,400.0  | 7,410.0             | 7,545.0             | 7,453.1             | 90.9            | 20.4        | -91.94                | -5,807.9                          | 746.3      | 822.4                | 717.7                 | 104.76                 | 7.851              |                     |
| 12,500.0  | 7,410.0             | 7,544.3             | 7,452.4             | 92.7            | 20.4        | -91.71                | -5,807.9                          | 746.3      | 725.1                | 618.6                 | 106.51                 | 6.808              |                     |
| 12,600.0  | 7,410.0             | 7,543.6             | 7,451.7             | 94.4            | 20.4        | -91.48                | -5,807.9                          | 746.3      | 628.6                | 520.3                 | 108.26                 | 5.806              |                     |
| 12,700.0  | 7,410.0             | 7,542.9             | 7,451.0             | 96.1            | 20.4        | -91.25                | -5,807.9                          | 746.3      | 533.4                | 423.4                 | 110.01                 | 4.849              |                     |
| 12,800.0  | 7,410.0             | 7,542.2             | 7,450.3             | 97.8            | 20.4        | -91.03                | -5,807.9                          | 746.3      | 440.3                | 328.6                 | 111.76                 | 3.940              |                     |
| 12,900.0  | 7,410.0             | 7,541.5             | 7,449.6             | 99.6            | 20.4        | -90.80                | -5,807.9                          | 746.3      | 351.1                | 237.6                 | 113.51                 | 3.093              |                     |
| 13,000.0  | 7,410.0             | 7,540.8             | 7,448.9             | 101.3           | 20.4        | -90.57                | -5,807.9                          | 746.3      | 269.5                | 154.3                 | 115.26                 | 2.339              |                     |
| 13,100.0  | 7,410.0             | 7,540.1             | 7,448.2             | 103.0           | 20.4        | -90.34                | -5,807.9                          | 746.3      | 205.0                | 88.0                  | 117.00                 | 1.752              |                     |
| 13,200.0  | 7,410.0             | 7,539.4             | 7,447.5             | 104.7           | 20.4        | -90.12                | -5,807.9                          | 746.3      | 177.2                | 58.5                  | 118.75                 | 1.492              | Level 3             |
| 13,203.1  | 7,410.0             | 7,539.4             | 7,447.4             | 104.8           | 20.4        | -90.11                | -5,807.9                          | 746.3      | 177.2                | 58.4                  | 118.80                 | 1.491              | Level 3, CC, ES, SF |
| 13,300.0  | 7,410.0             | 7,538.7             | 7,446.8             | 106.5           | 20.4        | -89.89                | -5,807.9                          | 746.3      | 201.9                | 81.4                  | 120.49                 | 1.676              |                     |
| 13,400.0  | 7,410.0             | 7,538.0             | 7,446.1             | 108.2           | 20.4        | -89.66                | -5,807.9                          | 746.3      | 264.8                | 142.6                 | 122.24                 | 2.167              |                     |
| 13,500.0  | 7,410.0             | 7,537.3             | 7,445.4             | 109.9           | 20.4        | -89.44                | -5,807.9                          | 746.3      | 345.7                | 221.7                 | 123.98                 | 2.788              |                     |
| 13,600.0  | 7,410.0             | 7,536.6             | 7,444.7             | 111.7           | 20.4        | -89.21                | -5,808.0                          | 746.3      | 434.6                | 308.9                 | 125.72                 | 3.457              |                     |
| 13,700.0  | 7,410.0             | 7,535.9             | 7,444.0             | 113.4           | 20.4        | -88.98                | -5,808.0                          | 746.3      | 527.5                | 400.0                 | 127.45                 | 4.139              |                     |
| 13,800.0  | 7,410.0             | 7,535.2             | 7,443.2             | 115.1           | 20.4        | -88.76                | -5,808.0                          | 746.3      | 622.6                | 493.4                 | 129.19                 | 4.819              |                     |
| 13,900.0  | 7,410.0             | 7,534.5             | 7,442.5             | 116.9           | 20.4        | -88.53                | -5,808.0                          | 746.3      | 719.0                | 588.1                 | 130.92                 | 5.492              |                     |
| 14,000.0  | 7,410.0             | 7,533.8             | 7,441.8             | 118.6           | 20.4        | -88.30                | -5,808.0                          | 746.3      | 816.3                | 683.6                 | 132.66                 | 6.154              |                     |
| 14,100.0  | 7,410.0             | 7,533.1             | 7,441.1             | 120.3           | 20.4        | -88.08                | -5,808.0                          | 746.3      | 914.2                | 779.8                 | 134.39                 | 6.803              |                     |
| 14,111.4  | 7,410.0             | 7,533.0             | 7,441.1             | 120.5           | 20.4        | -88.05                | -5,808.0                          | 746.3      | 925.4                | 790.8                 | 134.58                 | 6.876              |                     |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design           |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|-------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 102-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            |        |        |
| 13,300.0                | 7,410.0             | 7,635.1             | 7,451.1             | 106.5           | 25.7        | -91.02                | -7,070.5                          | 777.6      | 1,186.9              | 1,060.4               | 126.52                 | 9.381             |                    |        |        |
| 13,400.0                | 7,410.0             | 7,634.8             | 7,450.8             | 108.2           | 25.7        | -90.94                | -7,070.5                          | 777.6      | 1,088.9              | 960.6                 | 128.27                 | 8.489             |                    |        |        |
| 13,500.0                | 7,410.0             | 7,634.5             | 7,450.5             | 109.9           | 25.7        | -90.85                | -7,070.5                          | 777.6      | 991.3                | 861.3                 | 130.02                 | 7.625             |                    |        |        |
| 13,600.0                | 7,410.0             | 7,634.1             | 7,450.1             | 111.7           | 25.7        | -90.77                | -7,070.5                          | 777.6      | 894.2                | 762.5                 | 131.76                 | 6.787             |                    |        |        |
| 13,700.0                | 7,410.0             | 7,633.8             | 7,449.8             | 113.4           | 25.7        | -90.69                | -7,070.5                          | 777.6      | 797.9                | 664.4                 | 133.51                 | 5.976             |                    |        |        |
| 13,800.0                | 7,410.0             | 7,633.5             | 7,449.5             | 115.1           | 25.7        | -90.60                | -7,070.5                          | 777.6      | 702.6                | 567.3                 | 135.25                 | 5.194             |                    |        |        |
| 13,900.0                | 7,410.0             | 7,633.2             | 7,449.2             | 116.9           | 25.7        | -90.52                | -7,070.5                          | 777.6      | 608.7                | 471.7                 | 137.00                 | 4.443             |                    |        |        |
| 14,000.0                | 7,410.0             | 7,632.8             | 7,448.8             | 118.6           | 25.7        | -90.44                | -7,070.5                          | 777.6      | 517.2                | 378.5                 | 138.74                 | 3.728             |                    |        |        |
| 14,100.0                | 7,410.0             | 7,632.5             | 7,448.5             | 120.3           | 25.7        | -90.36                | -7,070.5                          | 777.6      | 429.5                | 289.0                 | 140.49                 | 3.057             |                    |        |        |
| 14,111.4                | 7,410.0             | 7,632.5             | 7,448.5             | 120.5           | 25.7        | -90.35                | -7,070.5                          | 777.6      | 419.8                | 279.1                 | 140.69                 | 2.984             | CC, ES, SF         |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design             |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Site Error:   | 0.0 ft |                    |        |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--|--------|--------------------|--------|
| Survey Program: 62-MWD    |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | S14-T2N-R68W (Grant Elmquist/Salisbury) - GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS |        | Offset Well Error: | 0.0 ft |
| Reference                 |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning  |        |                    |        |
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |  |        |                    |        |
| 2,100.0                   | 2,092.8                   | 2,548.5                   | 2,430.0                   | 4.5               | 13.5           | -43.70                      | 1,106.5                                 | 730.7         | 1,262.7                    | 1,248.3                     | 14.49                        | 87.162               |  |        |                    |        |
| 2,200.0                   | 2,192.3                   | 2,641.9                   | 2,516.4                   | 4.8               | 14.1           | -45.28                      | 1,097.0                                 | 696.4         | 1,228.3                    | 1,212.9                     | 15.45                        | 79.524               |  |        |                    |        |
| 2,300.0                   | 2,291.7                   | 2,729.7                   | 2,597.6                   | 5.0               | 14.8           | -46.81                      | 1,087.5                                 | 664.5         | 1,194.4                    | 1,178.0                     | 16.39                        | 72.895               |  |        |                    |        |
| 2,400.0                   | 2,391.2                   | 2,811.2                   | 2,673.0                   | 5.3               | 15.4           | -48.32                      | 1,079.1                                 | 634.8         | 1,161.8                    | 1,144.5                     | 17.30                        | 67.140               |  |        |                    |        |
| 2,500.0                   | 2,490.7                   | 2,893.6                   | 2,749.4                   | 5.5               | 15.9           | -49.89                      | 1,070.9                                 | 605.2         | 1,130.7                    | 1,112.5                     | 18.24                        | 61.987               |  |        |                    |        |
| 2,600.0                   | 2,590.2                   | 2,976.9                   | 2,827.1                   | 5.7               | 16.5           | -51.52                      | 1,062.6                                 | 576.1         | 1,101.2                    | 1,082.0                     | 19.20                        | 57.346               |  |        |                    |        |
| 2,700.0                   | 2,689.7                   | 3,063.6                   | 2,907.9                   | 6.0               | 17.1           | -53.30                      | 1,054.5                                 | 545.7         | 1,073.1                    | 1,052.9                     | 20.22                        | 53.072               |  |        |                    |        |
| 2,800.0                   | 2,789.2                   | 3,152.2                   | 2,990.5                   | 6.2               | 17.7           | -55.17                      | 1,046.0                                 | 515.0         | 1,046.3                    | 1,025.0                     | 21.26                        | 49.206               |  |        |                    |        |
| 2,900.0                   | 2,888.7                   | 3,237.3                   | 3,070.3                   | 6.5               | 18.3           | -57.00                      | 1,037.8                                 | 486.5         | 1,021.0                    | 998.7                       | 22.26                        | 45.869               |  |        |                    |        |
| 3,000.0                   | 2,988.1                   | 3,320.4                   | 3,148.8                   | 6.7               | 18.8           | -58.76                      | 1,029.5                                 | 460.3         | 997.4                      | 974.2                       | 23.21                        | 42.966               |  |        |                    |        |
| 3,100.0                   | 3,087.6                   | 3,398.9                   | 3,223.2                   | 7.0               | 19.2           | -60.44                      | 1,022.5                                 | 436.5         | 976.1                      | 952.0                       | 24.12                        | 40.462               |  |        |                    |        |
| 3,200.0                   | 3,187.1                   | 3,484.8                   | 3,304.9                   | 7.2               | 19.7           | -62.31                      | 1,015.5                                 | 411.0         | 957.0                      | 931.9                       | 25.09                        | 38.135               |  |        |                    |        |
| 3,300.0                   | 3,286.6                   | 3,577.8                   | 3,393.6                   | 7.5               | 20.3           | -64.36                      | 1,007.7                                 | 384.2         | 939.2                      | 913.1                       | 26.10                        | 35.977               |  |        |                    |        |
| 3,400.0                   | 3,386.1                   | 3,664.9                   | 3,477.1                   | 7.7               | 20.7           | -66.27                      | 1,000.6                                 | 360.2         | 923.0                      | 895.9                       | 27.05                        | 34.120               |  |        |                    |        |
| 3,500.0                   | 3,485.6                   | 3,751.2                   | 3,559.6                   | 8.0               | 21.2           | -68.25                      | 994.1                                   | 335.9         | 908.7                      | 880.7                       | 28.01                        | 32.443               |  |        |                    |        |
| 3,600.0                   | 3,585.1                   | 3,836.4                   | 3,641.1                   | 8.2               | 21.7           | -70.28                      | 988.3                                   | 311.5         | 896.6                      | 867.6                       | 28.95                        | 30.968               |  |        |                    |        |
| 3,700.0                   | 3,684.5                   | 3,930.1                   | 3,730.8                   | 8.5               | 22.2           | -72.52                      | 982.4                                   | 285.3         | 886.4                      | 856.4                       | 29.94                        | 29.608               |  |        |                    |        |
| 3,800.0                   | 3,784.0                   | 4,026.8                   | 3,823.2                   | 8.7               | 22.8           | -74.92                      | 975.5                                   | 257.6         | 877.0                      | 846.1                       | 30.97                        | 28.323               |  |        |                    |        |
| 3,900.0                   | 3,883.5                   | 4,115.9                   | 3,907.6                   | 9.0               | 23.3           | -77.32                      | 969.3                                   | 229.8         | 869.7                      | 837.7                       | 31.94                        | 27.227               |  |        |                    |        |
| 4,000.0                   | 3,983.0                   | 4,203.7                   | 3,990.9                   | 9.2               | 23.8           | -79.69                      | 963.3                                   | 202.6         | 864.2                      | 831.4                       | 32.86                        | 26.300               |  |        |                    |        |
| 4,100.0                   | 4,082.5                   | 4,291.3                   | 4,074.2                   | 9.5               | 24.3           | -82.03                      | 958.0                                   | 176.1         | 861.4                      | 827.7                       | 33.71                        | 25.550               |  |        |                    |        |
| 4,200.0                   | 4,182.0                   | 4,400.6                   | 4,179.0                   | 9.7               | 24.9           | -84.80                      | 951.2                                   | 145.6         | 859.8                      | 825.2                       | 34.62                        | 24.833               |  |        |                    |        |
| 4,300.0                   | 4,281.5                   | 4,495.8                   | 4,270.1                   | 10.0              | 25.5           | -87.22                      | 943.6                                   | 119.4         | 858.3                      | 822.9                       | 35.41                        | 24.238               |  |        |                    |        |
| 4,329.6                   | 4,310.9                   | 4,522.4                   | 4,295.6                   | 10.0              | 25.6           | -87.91                      | 941.5                                   | 112.0         | 858.2                      | 822.6                       | 35.63                        | 24.085               | CC   |        |                    |        |
| 4,400.0                   | 4,380.9                   | 4,586.3                   | 4,356.6                   | 10.2              | 26.0           | -89.60                      | 936.4                                   | 93.4          | 858.7                      | 822.5                       | 36.16                        | 23.749               | ES   |        |                    |        |
| 4,500.0                   | 4,480.4                   | 4,684.8                   | 4,450.2                   | 10.5              | 26.6           | -92.26                      | 927.7                                   | 64.0          | 860.7                      | 823.8                       | 36.90                        | 23.327               |  |        |                    |        |
| 4,600.0                   | 4,579.9                   | 4,780.1                   | 4,540.8                   | 10.7              | 27.1           | -94.80                      | 919.0                                   | 36.1          | 864.0                      | 826.4                       | 37.54                        | 23.016               |  |        |                    |        |
| 4,700.0                   | 4,679.4                   | 4,877.1                   | 4,633.4                   | 11.0              | 27.7           | -97.34                      | 909.6                                   | 8.3           | 868.4                      | 830.3                       | 38.13                        | 22.774               |  |        |                    |        |
| 4,800.0                   | 4,778.9                   | 4,960.3                   | 4,712.6                   | 11.2              | 28.2           | -99.48                      | 901.9                                   | -15.5         | 875.0                      | 836.4                       | 38.62                        | 22.656               |  |        |                    |        |
| 4,900.0                   | 4,878.4                   | 5,049.8                   | 4,797.9                   | 11.5              | 28.7           | -101.78                     | 893.7                                   | -41.6         | 883.7                      | 844.6                       | 39.09                        | 22.604               | SF   |        |                    |        |
| 5,000.0                   | 4,977.9                   | 5,121.0                   | 4,865.5                   | 11.7              | 29.1           | -103.60                     | 887.9                                   | -63.2         | 895.4                      | 856.0                       | 39.48                        | 22.678               |  |        |                    |        |
| 5,100.0                   | 5,077.3                   | 5,239.4                   | 4,978.5                   | 11.9              | 29.7           | -106.43                     | 879.0                                   | -97.3         | 908.5                      | 868.7                       | 39.84                        | 22.805               |  |        |                    |        |
| 5,200.0                   | 5,176.8                   | 5,338.6                   | 5,074.5                   | 12.2              | 30.2           | -108.49                     | 872.3                                   | -121.3        | 920.8                      | 880.7                       | 40.10                        | 22.964               |  |        |                    |        |
| 5,300.0                   | 5,276.3                   | 5,429.1                   | 5,162.7                   | 12.4              | 30.6           | -110.14                     | 868.5                                   | -141.2        | 934.8                      | 894.4                       | 40.31                        | 23.189               |  |        |                    |        |
| 5,400.0                   | 5,375.8                   | 5,531.9                   | 5,263.6                   | 12.7              | 30.9           | -111.72                     | 866.4                                   | -160.6        | 949.2                      | 908.7                       | 40.47                        | 23.454               |  |        |                    |        |
| 5,500.0                   | 5,475.3                   | 5,658.1                   | 5,388.6                   | 12.9              | 31.2           | -113.20                     | 866.7                                   | -177.9        | 962.4                      | 921.8                       | 40.59                        | 23.708               |  |        |                    |        |
| 5,600.0                   | 5,574.8                   | 5,770.9                   | 5,500.8                   | 13.2              | 31.4           | -114.31                     | 866.9                                   | -189.2        | 973.5                      | 932.8                       | 40.72                        | 23.907               |  |        |                    |        |
| 5,700.0                   | 5,674.3                   | 5,887.5                   | 5,617.1                   | 13.4              | 31.6           | -115.24                     | 868.1                                   | -197.5        | 983.4                      | 942.6                       | 40.83                        | 24.085               |  |        |                    |        |
| 5,800.0                   | 5,773.7                   | 5,988.4                   | 5,717.9                   | 13.7              | 31.7           | -115.88                     | 870.0                                   | -201.8        | 992.1                      | 951.2                       | 40.97                        | 24.217               |  |        |                    |        |
| 5,900.0                   | 5,873.2                   | 6,094.8                   | 5,824.2                   | 13.9              | 31.8           | -116.50                     | 872.3                                   | -205.7        | 1,000.7                    | 959.6                       | 41.11                        | 24.343               |  |        |                    |        |
| 6,000.0                   | 5,972.7                   | 6,207.6                   | 5,937.0                   | 14.2              | 31.9           | -117.18                     | 873.4                                   | -209.2        | 1,008.3                    | 967.0                       | 41.25                        | 24.445               |  |        |                    |        |
| 6,100.0                   | 6,072.2                   | 6,321.0                   | 6,050.3                   | 14.4              | 32.0           | -117.86                     | 873.6                                   | -211.8        | 1,014.7                    | 973.4                       | 41.37                        | 24.531               |  |        |                    |        |
| 6,200.0                   | 6,171.7                   | 6,422.5                   | 6,151.8                   | 14.7              | 32.1           | -118.35                     | 874.3                                   | -212.2        | 1,020.3                    | 978.7                       | 41.51                        | 24.579               |  |        |                    |        |
| 6,300.0                   | 6,271.2                   | 6,521.0                   | 6,250.3                   | 14.9              | 32.2           | -118.83                     | 875.0                                   | -212.6        | 1,025.9                    | 984.3                       | 41.66                        | 24.626               |  |        |                    |        |
| 6,400.0                   | 6,370.7                   | 6,620.0                   | 6,349.3                   | 15.2              | 32.2           | -119.31                     | 875.7                                   | -213.1        | 1,031.7                    | 989.9                       | 41.81                        | 24.678               |  |        |                    |        |
| 6,500.0                   | 6,470.1                   | 6,719.2                   | 6,448.5                   | 15.4              | 32.3           | -119.78                     | 876.5                                   | -213.7        | 1,037.7                    | 995.8                       | 41.96                        | 24.733               |  |        |                    |        |
| 6,600.0                   | 6,569.6                   | 6,821.1                   | 6,550.4                   | 15.7              | 32.4           | -120.27                     | 877.1                                   | -214.2        | 1,043.6                    | 1,001.5                     | 42.11                        | 24.785               |  |        |                    |        |
| 6,700.0                   | 6,669.1                   | 6,920.6                   | 6,649.9                   | 15.9              | 32.4           | -120.75                     | 877.5                                   | -214.7        | 1,049.4                    | 1,007.2                     | 42.26                        | 24.835               |  |        |                    |        |
| 6,800.0                   | 6,768.6                   | 7,021.4                   | 6,750.7                   | 16.2              | 32.5           | -121.23                     | 877.8                                   | -215.3        | 1,055.3                    | 1,012.9                     | 42.40                        | 24.887               |  |        |                    |        |
| 6,900.0                   | 6,868.1                   | 7,123.0                   | 6,852.3                   | 16.4              | 32.6           | -121.51                     | 878.0                                   | -215.7        | 1,062.3                    | 1,020.0                     | 42.33                        | 25.097               |  |        |                    |        |
| 7,000.0                   | 6,966.6                   | 7,222.7                   | 6,952.0                   | 16.6              | 32.7           | -121.21                     | 878.1                                   | -216.0        | 1,078.5                    | 1,037.2                     | 41.35                        | 26.084               |  |        |                    |        |
| 7,100.0                   | 7,061.2                   | 7,317.3                   | 7,046.6                   | 16.7              | 32.7           | -120.46                     | 877.9                                   | -216.4        | 1,105.2                    | 1,065.7                     | 39.53                        | 27.959               |  |        |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 62-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| S14-T2N-R68W (Grant Elmquist/Salisbury) - GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| 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 |                    |        |        |
| 7,200.0  | 7,149.1             | 7,398.2             | 7,127.5             | 16.8            | 32.8        | 134.72                | 877.7                             | -217.1     | 1,142.6              | 1,105.6               | 36.99                  | 30.894            |                    |        |        |
| 7,300.0  | 7,227.6             | 7,470.2             | 7,199.5             | 16.9            | 32.9        | 129.95                | 877.7                             | -218.2     | 1,190.5              | 1,156.5               | 34.03                  | 34.988            |                    |        |        |
| 7,400.0  | 7,294.3             | 7,545.5             | 7,274.7             | 17.1            | 32.9        | 125.23                | 877.6                             | -219.4     | 1,247.8              | 1,216.5               | 31.25                  | 39.935            |                    |        |        |

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 0-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| Reference             |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| Offset                |                     |                     |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        |                   |                    |        |        |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning            |        |        |
| 0.0                   | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | -90.00                | 0.0                               | -47.5      | 47.5                 |                       |                        |                   |                    |        |        |
| 100.0                 | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -90.00                | 0.0                               | -47.5      | 47.5                 | 47.2                  | 0.30                   | 156.495           |                    |        |        |
| 200.0                 | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -90.00                | 0.0                               | -47.5      | 47.5                 | 46.9                  | 0.65                   | 72.808            | CC, ES             |        |        |
| 300.0                 | 300.0               | 298.3               | 298.3               | 0.5             | 0.5         | -89.72                | 0.2                               | -49.2      | 49.2                 | 48.2                  | 1.00                   | 49.105            |                    |        |        |
| 400.0                 | 400.0               | 396.5               | 396.3               | 0.7             | 0.7         | -88.97                | 1.0                               | -54.2      | 54.3                 | 53.0                  | 1.37                   | 39.727            |                    |        |        |
| 500.0                 | 500.0               | 494.1               | 493.6               | 0.8             | 0.9         | -88.00                | 2.2                               | -62.5      | 62.8                 | 61.1                  | 1.76                   | 35.710            | SF                 |        |        |
| 600.0                 | 600.0               | 590.9               | 589.7               | 1.0             | 1.2         | -158.93               | 3.8                               | -73.9      | 76.3                 | 74.3                  | 2.03                   | 37.524            |                    |        |        |
| 700.0                 | 699.8               | 686.0               | 683.7               | 1.2             | 1.5         | -159.00               | 5.9                               | -88.2      | 96.3                 | 93.9                  | 2.37                   | 40.581            |                    |        |        |
| 800.0                 | 799.5               | 778.9               | 775.0               | 1.4             | 1.8         | -159.38               | 8.4                               | -105.2     | 122.6                | 119.9                 | 2.71                   | 45.259            |                    |        |        |
| 900.0                 | 898.9               | 872.6               | 866.6               | 1.6             | 2.2         | -159.82               | 11.3                              | -124.8     | 152.7                | 149.7                 | 3.05                   | 50.023            |                    |        |        |
| 1,000.0               | 998.4               | 967.9               | 959.7               | 1.9             | 2.5         | -160.11               | 14.2                              | -144.9     | 183.1                | 179.7                 | 3.40                   | 53.832            |                    |        |        |
| 1,100.0               | 1,097.9             | 1,063.2             | 1,052.7             | 2.1             | 2.9         | -160.32               | 17.1                              | -165.0     | 213.5                | 209.8                 | 3.75                   | 56.920            |                    |        |        |
| 1,200.0               | 1,197.4             | 1,158.4             | 1,145.8             | 2.3             | 3.3         | -160.48               | 20.1                              | -185.1     | 243.9                | 239.8                 | 4.10                   | 59.472            |                    |        |        |
| 1,300.0               | 1,296.9             | 1,253.7             | 1,238.9             | 2.6             | 3.7         | -160.60               | 23.0                              | -205.2     | 274.3                | 269.9                 | 4.45                   | 61.615            |                    |        |        |
| 1,400.0               | 1,396.4             | 1,349.0             | 1,332.0             | 2.8             | 4.1         | -160.70               | 25.9                              | -225.3     | 304.7                | 299.9                 | 4.80                   | 63.441            |                    |        |        |
| 1,500.0               | 1,495.9             | 1,444.2             | 1,425.0             | 3.1             | 4.5         | -160.78               | 28.9                              | -245.4     | 335.1                | 330.0                 | 5.15                   | 65.013            |                    |        |        |
| 1,600.0               | 1,595.3             | 1,539.5             | 1,518.1             | 3.3             | 4.9         | -160.85               | 31.8                              | -265.5     | 365.5                | 360.0                 | 5.51                   | 66.382            |                    |        |        |
| 1,700.0               | 1,694.8             | 1,634.8             | 1,611.2             | 3.5             | 5.3         | -160.90               | 34.7                              | -285.6     | 395.9                | 390.1                 | 5.86                   | 67.584            |                    |        |        |
| 1,800.0               | 1,794.3             | 1,730.0             | 1,704.3             | 3.8             | 5.7         | -160.95               | 37.7                              | -305.8     | 426.3                | 420.1                 | 6.21                   | 68.647            |                    |        |        |
| 1,900.0               | 1,893.8             | 1,825.3             | 1,797.3             | 4.0             | 6.1         | -160.99               | 40.6                              | -325.9     | 456.7                | 450.2                 | 6.56                   | 69.595            |                    |        |        |
| 2,000.0               | 1,993.3             | 1,920.6             | 1,890.4             | 4.3             | 6.5         | -161.03               | 43.5                              | -346.0     | 487.1                | 480.2                 | 6.92                   | 70.445            |                    |        |        |
| 2,100.0               | 2,092.8             | 2,015.8             | 1,983.5             | 4.5             | 6.9         | -161.06               | 46.5                              | -366.1     | 517.5                | 510.3                 | 7.27                   | 71.212            |                    |        |        |
| 2,200.0               | 2,192.3             | 2,111.1             | 2,076.5             | 4.8             | 7.3         | -161.09               | 49.4                              | -386.2     | 547.9                | 540.3                 | 7.62                   | 71.907            |                    |        |        |
| 2,300.0               | 2,291.7             | 2,206.4             | 2,169.6             | 5.0             | 7.7         | -161.12               | 52.3                              | -406.3     | 578.3                | 570.4                 | 7.97                   | 72.540            |                    |        |        |
| 2,400.0               | 2,391.2             | 2,301.6             | 2,262.7             | 5.3             | 8.1         | -161.14               | 55.3                              | -426.4     | 608.7                | 600.4                 | 8.33                   | 73.118            |                    |        |        |
| 2,500.0               | 2,490.7             | 2,396.9             | 2,355.8             | 5.5             | 8.5         | -161.16               | 58.2                              | -446.5     | 639.1                | 630.5                 | 8.68                   | 73.649            |                    |        |        |
| 2,600.0               | 2,590.2             | 2,492.2             | 2,448.8             | 5.7             | 8.9         | -161.18               | 61.1                              | -466.6     | 669.6                | 660.5                 | 9.03                   | 74.138            |                    |        |        |
| 2,700.0               | 2,689.7             | 2,587.4             | 2,541.9             | 6.0             | 9.3         | -161.20               | 64.1                              | -486.8     | 700.0                | 690.6                 | 9.38                   | 74.590            |                    |        |        |
| 2,800.0               | 2,789.2             | 2,682.7             | 2,635.0             | 6.2             | 9.6         | -161.21               | 67.0                              | -506.9     | 730.4                | 720.6                 | 9.74                   | 75.008            |                    |        |        |
| 2,900.0               | 2,888.7             | 2,778.0             | 2,728.1             | 6.5             | 10.0        | -161.23               | 69.9                              | -527.0     | 760.8                | 750.7                 | 10.09                  | 75.398            |                    |        |        |
| 3,000.0               | 2,988.1             | 2,873.2             | 2,821.1             | 6.7             | 10.4        | -161.24               | 72.9                              | -547.1     | 791.2                | 780.7                 | 10.44                  | 75.760            |                    |        |        |
| 3,100.0               | 3,087.6             | 2,968.5             | 2,914.2             | 7.0             | 10.8        | -161.26               | 75.8                              | -567.2     | 821.6                | 810.8                 | 10.80                  | 76.099            |                    |        |        |
| 3,200.0               | 3,187.1             | 3,063.8             | 3,007.3             | 7.2             | 11.2        | -161.27               | 78.7                              | -587.3     | 852.0                | 840.8                 | 11.15                  | 76.416            |                    |        |        |
| 3,300.0               | 3,286.6             | 3,159.0             | 3,100.3             | 7.5             | 11.6        | -161.28               | 81.7                              | -607.4     | 882.4                | 870.9                 | 11.50                  | 76.713            |                    |        |        |
| 3,400.0               | 3,386.1             | 3,254.3             | 3,193.4             | 7.7             | 12.0        | -161.29               | 84.6                              | -627.5     | 912.8                | 900.9                 | 11.86                  | 76.993            |                    |        |        |
| 3,500.0               | 3,485.6             | 3,349.6             | 3,286.5             | 8.0             | 12.4        | -161.30               | 87.5                              | -647.6     | 943.2                | 931.0                 | 12.21                  | 77.256            |                    |        |        |
| 3,600.0               | 3,585.1             | 3,444.8             | 3,379.6             | 8.2             | 12.8        | -161.31               | 90.5                              | -667.8     | 973.6                | 961.0                 | 12.56                  | 77.504            |                    |        |        |
| 3,700.0               | 3,684.5             | 3,540.1             | 3,472.6             | 8.5             | 13.2        | -161.31               | 93.4                              | -687.9     | 1,004.0              | 991.1                 | 12.91                  | 77.739            |                    |        |        |
| 3,800.0               | 3,784.0             | 3,635.3             | 3,565.7             | 8.7             | 13.6        | -161.32               | 96.3                              | -708.0     | 1,034.4              | 1,021.1               | 13.27                  | 77.961            |                    |        |        |
| 3,900.0               | 3,883.5             | 3,730.6             | 3,658.8             | 9.0             | 14.0        | -161.33               | 99.3                              | -728.1     | 1,064.8              | 1,051.2               | 13.62                  | 78.171            |                    |        |        |
| 4,000.0               | 3,983.0             | 3,825.9             | 3,751.9             | 9.2             | 14.4        | -161.34               | 102.2                             | -748.2     | 1,095.2              | 1,081.2               | 13.97                  | 78.371            |                    |        |        |
| 4,100.0               | 4,082.5             | 3,921.1             | 3,844.9             | 9.5             | 14.8        | -161.34               | 105.1                             | -768.3     | 1,125.6              | 1,111.3               | 14.33                  | 78.561            |                    |        |        |
| 4,200.0               | 4,182.0             | 4,016.4             | 3,938.0             | 9.7             | 15.2        | -161.35               | 108.1                             | -788.4     | 1,156.0              | 1,141.3               | 14.68                  | 78.741            |                    |        |        |
| 4,300.0               | 4,281.5             | 4,111.7             | 4,031.1             | 10.0            | 15.6        | -161.36               | 111.0                             | -808.5     | 1,186.4              | 1,171.4               | 15.03                  | 78.913            |                    |        |        |
| 4,400.0               | 4,380.9             | 4,206.9             | 4,124.1             | 10.2            | 16.0        | -161.36               | 113.9                             | -828.6     | 1,216.8              | 1,201.4               | 15.39                  | 79.078            |                    |        |        |
| 4,500.0               | 4,480.4             | 4,302.2             | 4,217.2             | 10.5            | 16.4        | -161.37               | 116.9                             | -848.8     | 1,247.2              | 1,231.5               | 15.74                  | 79.234            |                    |        |        |
| 4,600.0               | 4,579.9             | 4,397.5             | 4,310.3             | 10.7            | 16.8        | -161.37               | 119.8                             | -868.9     | 1,277.6              | 1,261.5               | 16.09                  | 79.384            |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2B-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-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         | -90.00                | 0.0                               | -39.1      | 39.1                 |                       |                        |                   |                    |        |
| 100.0   | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -90.00                | 0.0                               | -39.1      | 39.1                 | 38.8                  | 0.30                   | 128.879           |                    |        |
| 200.0   | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -90.00                | 0.0                               | -39.1      | 39.1                 | 38.5                  | 0.65                   | 59.960            |                    |        |
| 300.0   | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | -90.00                | 0.0                               | -39.1      | 39.1                 | 38.1                  | 1.00                   | 39.068            | CC, ES             |        |
| 400.0   | 400.0               | 398.6               | 398.6               | 0.7             | 0.7         | -89.55                | 0.3                               | -40.8      | 40.8                 | 39.5                  | 1.35                   | 30.219            |                    |        |
| 500.0   | 500.0               | 497.0               | 496.9               | 0.8             | 0.9         | -88.38                | 1.3                               | -45.8      | 45.9                 | 44.2                  | 1.71                   | 26.798            | SF                 |        |
| 600.0   | 600.0               | 594.8               | 594.3               | 1.0             | 1.1         | -159.05               | 2.9                               | -54.0      | 56.0                 | 54.0                  | 2.04                   | 27.451            |                    |        |
| 700.0   | 699.8               | 691.3               | 690.1               | 1.2             | 1.3         | -159.01               | 5.1                               | -65.3      | 72.7                 | 70.3                  | 2.38                   | 30.494            |                    |        |
| 800.0   | 799.5               | 786.8               | 784.4               | 1.4             | 1.6         | -159.37               | 7.8                               | -79.5      | 95.6                 | 92.9                  | 2.72                   | 35.082            |                    |        |
| 900.0   | 898.9               | 883.6               | 880.0               | 1.6             | 1.9         | -159.87               | 10.8                              | -94.6      | 120.6                | 117.5                 | 3.08                   | 39.212            |                    |        |
| 1,000.0   | 998.4               | 980.4               | 975.6               | 1.9             | 2.2         | -160.20               | 13.7                              | -109.7     | 145.6                | 142.2                 | 3.43                   | 42.481            |                    |        |
| 1,100.0   | 1,097.9             | 1,077.2             | 1,071.2             | 2.1             | 2.5         | -160.43               | 16.7                              | -124.8     | 170.7                | 166.9                 | 3.78                   | 45.131            |                    |        |
| 1,200.0   | 1,197.4             | 1,174.0             | 1,166.8             | 2.3             | 2.8         | -160.61               | 19.6                              | -140.0     | 195.7                | 191.5                 | 4.14                   | 47.320            |                    |        |
| 1,300.0   | 1,296.9             | 1,270.8             | 1,262.4             | 2.6             | 3.1         | -160.74               | 22.5                              | -155.1     | 220.7                | 216.2                 | 4.49                   | 49.159            |                    |        |
| 1,400.0   | 1,396.4             | 1,367.7             | 1,357.9             | 2.8             | 3.4         | -160.85               | 25.5                              | -170.2     | 245.7                | 240.9                 | 4.84                   | 50.724            |                    |        |
| 1,500.0   | 1,495.9             | 1,464.5             | 1,453.5             | 3.1             | 3.7         | -160.94               | 28.4                              | -185.3     | 270.8                | 265.6                 | 5.20                   | 52.072            |                    |        |
| 1,600.0   | 1,595.3             | 1,561.3             | 1,549.1             | 3.3             | 4.1         | -161.01               | 31.3                              | -200.4     | 295.8                | 290.2                 | 5.56                   | 53.245            |                    |        |
| 1,700.0   | 1,694.8             | 1,658.1             | 1,644.7             | 3.5             | 4.4         | -161.07               | 34.3                              | -215.5     | 320.8                | 314.9                 | 5.91                   | 54.275            |                    |        |
| 1,800.0   | 1,794.3             | 1,754.9             | 1,740.3             | 3.8             | 4.7         | -161.12               | 37.2                              | -230.7     | 345.8                | 339.6                 | 6.27                   | 55.187            |                    |        |
| 1,900.0   | 1,893.8             | 1,851.7             | 1,835.9             | 4.0             | 5.0         | -161.17               | 40.2                              | -245.8     | 370.9                | 364.3                 | 6.62                   | 56.000            |                    |        |
| 2,000.0   | 1,993.3             | 1,948.6             | 1,931.5             | 4.3             | 5.3         | -161.21               | 43.1                              | -260.9     | 395.9                | 388.9                 | 6.98                   | 56.728            |                    |        |
| 2,100.0   | 2,092.8             | 2,045.4             | 2,027.0             | 4.5             | 5.6         | -161.24               | 46.0                              | -276.0     | 420.9                | 413.6                 | 7.34                   | 57.385            |                    |        |
| 2,200.0   | 2,192.3             | 2,142.2             | 2,122.6             | 4.8             | 6.0         | -161.27               | 49.0                              | -291.1     | 446.0                | 438.3                 | 7.69                   | 57.981            |                    |        |
| 2,300.0   | 2,291.7             | 2,239.0             | 2,218.2             | 5.0             | 6.3         | -161.30               | 51.9                              | -306.2     | 471.0                | 462.9                 | 8.05                   | 58.523            |                    |        |
| 2,400.0   | 2,391.2             | 2,335.8             | 2,313.8             | 5.3             | 6.6         | -161.32               | 54.9                              | -321.3     | 496.0                | 487.6                 | 8.40                   | 59.018            |                    |        |
| 2,500.0   | 2,490.7             | 2,432.6             | 2,409.4             | 5.5             | 6.9         | -161.35               | 57.8                              | -336.5     | 521.1                | 512.3                 | 8.76                   | 59.473            |                    |        |
| 2,600.0   | 2,590.2             | 2,529.5             | 2,505.0             | 5.7             | 7.2         | -161.37               | 60.7                              | -351.6     | 546.1                | 537.0                 | 9.12                   | 59.892            |                    |        |
| 2,700.0   | 2,689.7             | 2,626.3             | 2,600.5             | 6.0             | 7.6         | -161.38               | 63.7                              | -366.7     | 571.1                | 561.6                 | 9.47                   | 60.279            |                    |        |
| 2,800.0   | 2,789.2             | 2,723.1             | 2,696.1             | 6.2             | 7.9         | -161.40               | 66.6                              | -381.8     | 596.1                | 586.3                 | 9.83                   | 60.638            |                    |        |
| 2,900.0   | 2,888.7             | 2,819.9             | 2,791.7             | 6.5             | 8.2         | -161.42               | 69.5                              | -396.9     | 621.2                | 611.0                 | 10.19                  | 60.971            |                    |        |
| 3,000.0   | 2,988.1             | 2,916.7             | 2,887.3             | 6.7             | 8.5         | -161.43               | 72.5                              | -412.0     | 646.2                | 635.7                 | 10.54                  | 61.282            |                    |        |
| 3,100.0   | 3,087.6             | 3,013.5             | 2,982.9             | 7.0             | 8.8         | -161.44               | 75.4                              | -427.2     | 671.2                | 660.3                 | 10.90                  | 61.572            |                    |        |
| 3,200.0   | 3,187.1             | 3,110.4             | 3,078.5             | 7.2             | 9.2         | -161.46               | 78.4                              | -442.3     | 696.3                | 685.0                 | 11.26                  | 61.844            |                    |        |
| 3,300.0   | 3,286.6             | 3,207.2             | 3,174.0             | 7.5             | 9.5         | -161.47               | 81.3                              | -457.4     | 721.3                | 709.7                 | 11.62                  | 62.098            |                    |        |
| 3,400.0   | 3,386.1             | 3,304.0             | 3,269.6             | 7.7             | 9.8         | -161.48               | 84.2                              | -472.5     | 746.3                | 734.4                 | 11.97                  | 62.338            |                    |        |
| 3,500.0   | 3,485.6             | 3,400.8             | 3,365.2             | 8.0             | 10.1        | -161.49               | 87.2                              | -487.6     | 771.4                | 759.0                 | 12.33                  | 62.563            |                    |        |
| 3,600.0   | 3,585.1             | 3,497.6             | 3,460.8             | 8.2             | 10.4        | -161.50               | 90.1                              | -502.7     | 796.4                | 783.7                 | 12.69                  | 62.776            |                    |        |
| 3,700.0   | 3,684.5             | 3,594.4             | 3,556.4             | 8.5             | 10.7        | -161.51               | 93.0                              | -517.9     | 821.4                | 808.4                 | 13.04                  | 62.977            |                    |        |
| 3,800.0   | 3,784.0             | 3,691.3             | 3,652.0             | 8.7             | 11.1        | -161.52               | 96.0                              | -533.0     | 846.5                | 833.1                 | 13.40                  | 63.167            |                    |        |
| 3,900.0   | 3,883.5             | 3,788.1             | 3,747.5             | 9.0             | 11.4        | -161.52               | 98.9                              | -548.1     | 871.5                | 857.7                 | 13.76                  | 63.347            |                    |        |
| 4,000.0   | 3,983.0             | 3,884.9             | 3,843.1             | 9.2             | 11.7        | -161.53               | 101.9                             | -563.2     | 896.5                | 882.4                 | 14.11                  | 63.518            |                    |        |
| 4,100.0   | 4,082.5             | 3,981.7             | 3,938.7             | 9.5             | 12.0        | -161.54               | 104.8                             | -578.3     | 921.5                | 907.1                 | 14.47                  | 63.681            |                    |        |
| 4,200.0   | 4,182.0             | 4,078.5             | 4,034.3             | 9.7             | 12.3        | -161.55               | 107.7                             | -593.4     | 946.6                | 931.8                 | 14.83                  | 63.836            |                    |        |
| 4,300.0   | 4,281.5             | 4,175.3             | 4,129.9             | 10.0            | 12.7        | -161.55               | 110.7                             | -608.6     | 971.6                | 956.4                 | 15.19                  | 63.983            |                    |        |
| 4,400.0   | 4,380.9             | 4,272.2             | 4,225.5             | 10.2            | 13.0        | -161.56               | 113.6                             | -623.7     | 996.6                | 981.1                 | 15.54                  | 64.124            |                    |        |
| 4,500.0   | 4,480.4             | 4,369.0             | 4,321.1             | 10.5            | 13.3        | -161.56               | 116.5                             | -638.8     | 1,021.7              | 1,005.8               | 15.90                  | 64.258            |                    |        |
| 4,600.0   | 4,579.9             | 4,465.8             | 4,416.6             | 10.7            | 13.6        | -161.57               | 119.5                             | -653.9     | 1,046.7              | 1,030.4               | 16.26                  | 64.386            |                    |        |
| 4,700.0   | 4,679.4             | 4,562.6             | 4,512.2             | 11.0            | 13.9        | -161.57               | 122.4                             | -669.0     | 1,071.7              | 1,055.1               | 16.61                  | 64.509            |                    |        |
| 4,800.0   | 4,778.9             | 4,659.4             | 4,607.8             | 11.2            | 14.3        | -161.58               | 125.4                             | -684.1     | 1,096.8              | 1,079.8               | 16.97                  | 64.626            |                    |        |
| 4,900.0   | 4,878.4             | 4,756.2             | 4,703.4             | 11.5            | 14.6        | -161.58               | 128.3                             | -699.2     | 1,121.8              | 1,104.5               | 17.33                  | 64.739            |                    |        |
| 5,000.0   | 4,977.9             | 4,853.1             | 4,799.0             | 11.7            | 14.9        | -161.59               | 131.2                             | -714.4     | 1,146.8              | 1,129.1               | 17.69                  | 64.847            |                    |        |
| 5,100.0   | 5,077.3             | 4,949.9             | 4,894.6             | 11.9            | 15.2        | -161.59               | 134.2                             | -729.5     | 1,171.9              | 1,153.8               | 18.04                  | 64.951            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2B-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| 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   | 5,176.8             | 5,046.7             | 4,990.1             | 12.2            | 15.5        | -161.60               | 137.1                             | -744.6     | 1,196.9              | 1,178.5               | 18.40                  | 65.050            |                    |        |        |
| 5,300.0   | 5,276.3             | 5,143.5             | 5,085.7             | 12.4            | 15.9        | -161.60               | 140.1                             | -759.7     | 1,221.9              | 1,203.2               | 18.76                  | 65.146            |                    |        |        |
| 5,400.0   | 5,375.8             | 5,240.3             | 5,181.3             | 12.7            | 16.2        | -161.60               | 143.0                             | -774.8     | 1,247.0              | 1,227.8               | 19.11                  | 65.239            |                    |        |        |
| 5,500.0   | 5,475.3             | 5,337.1             | 5,276.9             | 12.9            | 16.5        | -161.61               | 145.9                             | -789.9     | 1,272.0              | 1,252.5               | 19.47                  | 65.327            |                    |        |        |

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2C-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |               | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|---------------|--------------------|--------|
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |               | Offset Well Error: | 0.0 ft |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      | Total                 | Separation       | Warning       |                    |        |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis |               | Factor             |        |
| 0.0   | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | -90.00                | 0.0                               | -28.0      | 28.0                 |                       |                  |               |                    |        |
| 100.0   | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -90.00                | 0.0                               | -28.0      | 28.0                 | 27.7                  | 0.30             | 92.056        |                    |        |
| 200.0   | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -90.00                | 0.0                               | -28.0      | 28.0                 | 27.3                  | 0.65             | 42.828        |                    |        |
| 300.0   | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | -90.00                | 0.0                               | -28.0      | 28.0                 | 27.0                  | 1.00             | 27.906        |                    |        |
| 400.0   | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | -90.00                | 0.0                               | -28.0      | 28.0                 | 26.6                  | 1.35             | 20.695 CC, ES |                    |        |
| 500.0   | 500.0               | 499.0               | 499.0               | 0.8             | 0.9         | -88.98                | 0.5                               | -29.6      | 29.6                 | 27.9                  | 1.70             | 17.411 SF     |                    |        |
| 600.0   | 600.0               | 597.7               | 597.6               | 1.0             | 1.0         | -159.04               | 2.1                               | -34.4      | 36.2                 | 34.2                  | 2.05             | 17.705        |                    |        |
| 700.0   | 699.8               | 695.5               | 694.9               | 1.2             | 1.2         | -158.48               | 4.7                               | -42.4      | 49.4                 | 47.0                  | 2.39             | 20.644        |                    |        |
| 800.0   | 799.5               | 793.8               | 792.8               | 1.4             | 1.5         | -158.83               | 7.8                               | -52.1      | 67.3                 | 64.6                  | 2.74             | 24.573        |                    |        |
| 900.0   | 898.9               | 891.9               | 890.4               | 1.6             | 1.7         | -159.45               | 10.9                              | -61.7      | 86.6                 | 83.5                  | 3.09             | 27.989        |                    |        |
| 1,000.0   | 998.4               | 990.1               | 988.0               | 1.9             | 1.9         | -159.84               | 14.0                              | -71.3      | 105.9                | 102.5                 | 3.45             | 30.692        |                    |        |
| 1,100.0   | 1,097.9             | 1,088.2             | 1,085.6             | 2.1             | 2.2         | -160.11               | 17.1                              | -80.9      | 125.2                | 121.4                 | 3.81             | 32.881        |                    |        |
| 1,200.0   | 1,197.4             | 1,186.3             | 1,183.2             | 2.3             | 2.4         | -160.31               | 20.1                              | -90.5      | 144.5                | 140.3                 | 4.17             | 34.690        |                    |        |
| 1,300.0   | 1,296.9             | 1,284.4             | 1,280.8             | 2.6             | 2.6         | -160.47               | 23.2                              | -100.1     | 163.8                | 159.3                 | 4.52             | 36.208        |                    |        |
| 1,400.0   | 1,396.4             | 1,382.5             | 1,378.4             | 2.8             | 2.9         | -160.59               | 26.3                              | -109.7     | 183.1                | 178.2                 | 4.88             | 37.501        |                    |        |
| 1,500.0   | 1,495.9             | 1,480.7             | 1,476.0             | 3.1             | 3.1         | -160.68               | 29.4                              | -119.3     | 202.4                | 197.2                 | 5.24             | 38.614        |                    |        |
| 1,600.0   | 1,595.3             | 1,578.8             | 1,573.6             | 3.3             | 3.4         | -160.76               | 32.5                              | -128.9     | 221.7                | 216.1                 | 5.60             | 39.582        |                    |        |
| 1,700.0   | 1,694.8             | 1,676.9             | 1,671.2             | 3.5             | 3.6         | -160.83               | 35.6                              | -138.5     | 241.0                | 235.0                 | 5.96             | 40.433        |                    |        |
| 1,800.0   | 1,794.3             | 1,775.0             | 1,768.8             | 3.8             | 3.8         | -160.89               | 38.7                              | -148.1     | 260.3                | 254.0                 | 6.32             | 41.185        |                    |        |
| 1,900.0   | 1,893.8             | 1,873.1             | 1,866.4             | 4.0             | 4.1         | -160.94               | 41.8                              | -157.7     | 279.6                | 272.9                 | 6.68             | 41.855        |                    |        |
| 2,000.0   | 1,993.3             | 1,971.3             | 1,964.0             | 4.3             | 4.3         | -160.98               | 44.9                              | -167.3     | 298.9                | 291.9                 | 7.04             | 42.457        |                    |        |
| 2,100.0   | 2,092.8             | 2,069.4             | 2,061.6             | 4.5             | 4.6         | -161.02               | 48.0                              | -176.9     | 318.2                | 310.8                 | 7.40             | 42.999        |                    |        |
| 2,200.0   | 2,192.3             | 2,167.5             | 2,159.2             | 4.8             | 4.8         | -161.05               | 51.1                              | -186.5     | 337.5                | 329.7                 | 7.76             | 43.490        |                    |        |
| 2,300.0   | 2,291.7             | 2,265.6             | 2,256.8             | 5.0             | 5.1         | -161.08               | 54.2                              | -196.1     | 356.8                | 348.7                 | 8.12             | 43.937        |                    |        |
| 2,400.0   | 2,391.2             | 2,363.7             | 2,354.4             | 5.3             | 5.3         | -161.11               | 57.3                              | -205.7     | 376.1                | 367.6                 | 8.48             | 44.346        |                    |        |
| 2,500.0   | 2,490.7             | 2,461.9             | 2,452.0             | 5.5             | 5.5         | -161.14               | 60.4                              | -215.3     | 395.4                | 386.6                 | 8.84             | 44.721        |                    |        |
| 2,600.0   | 2,590.2             | 2,560.0             | 2,549.6             | 5.7             | 5.8         | -161.16               | 63.5                              | -224.9     | 414.7                | 405.5                 | 9.20             | 45.066        |                    |        |
| 2,700.0   | 2,689.7             | 2,658.1             | 2,647.2             | 6.0             | 6.0         | -161.18               | 66.6                              | -234.5     | 434.0                | 424.5                 | 9.56             | 45.385        |                    |        |
| 2,800.0   | 2,789.2             | 2,756.2             | 2,744.8             | 6.2             | 6.3         | -161.20               | 69.7                              | -244.1     | 453.3                | 443.4                 | 9.92             | 45.681        |                    |        |
| 2,900.0   | 2,888.7             | 2,854.3             | 2,842.4             | 6.5             | 6.5         | -161.21               | 72.7                              | -253.7     | 472.6                | 462.3                 | 10.28            | 45.956        |                    |        |
| 3,000.0   | 2,988.1             | 2,952.5             | 2,940.0             | 6.7             | 6.8         | -161.23               | 75.8                              | -263.3     | 491.9                | 481.3                 | 10.64            | 46.212        |                    |        |
| 3,100.0   | 3,087.6             | 3,050.6             | 3,037.6             | 7.0             | 7.0         | -161.24               | 78.9                              | -272.9     | 511.2                | 500.2                 | 11.01            | 46.451        |                    |        |
| 3,200.0   | 3,187.1             | 3,148.7             | 3,135.2             | 7.2             | 7.3         | -161.26               | 82.0                              | -282.5     | 530.5                | 519.2                 | 11.37            | 46.675        |                    |        |
| 3,300.0   | 3,286.6             | 3,246.8             | 3,232.8             | 7.5             | 7.5         | -161.27               | 85.1                              | -292.1     | 549.8                | 538.1                 | 11.73            | 46.885        |                    |        |
| 3,400.0   | 3,386.1             | 3,344.9             | 3,330.4             | 7.7             | 7.8         | -161.28               | 88.2                              | -301.7     | 569.1                | 557.0                 | 12.09            | 47.083        |                    |        |
| 3,500.0   | 3,485.6             | 3,443.0             | 3,428.0             | 8.0             | 8.0         | -161.29               | 91.3                              | -311.3     | 588.4                | 576.0                 | 12.45            | 47.268        |                    |        |
| 3,600.0   | 3,585.1             | 3,541.2             | 3,525.6             | 8.2             | 8.2         | -161.30               | 94.4                              | -320.9     | 607.7                | 594.9                 | 12.81            | 47.444        |                    |        |
| 3,700.0   | 3,684.5             | 3,639.3             | 3,623.2             | 8.5             | 8.5         | -161.31               | 97.5                              | -330.5     | 627.0                | 613.9                 | 13.17            | 47.609        |                    |        |
| 3,800.0   | 3,784.0             | 3,737.4             | 3,720.8             | 8.7             | 8.7         | -161.32               | 100.6                             | -340.1     | 646.3                | 632.8                 | 13.53            | 47.766        |                    |        |
| 3,900.0   | 3,883.5             | 3,835.5             | 3,818.4             | 9.0             | 9.0         | -161.33               | 103.7                             | -349.7     | 665.6                | 651.7                 | 13.89            | 47.915        |                    |        |
| 4,000.0   | 3,983.0             | 3,933.6             | 3,916.0             | 9.2             | 9.2         | -161.34               | 106.8                             | -359.3     | 684.9                | 670.7                 | 14.25            | 48.056        |                    |        |
| 4,100.0   | 4,082.5             | 4,031.8             | 4,013.6             | 9.5             | 9.5         | -161.34               | 109.9                             | -368.9     | 704.2                | 689.6                 | 14.61            | 48.190        |                    |        |
| 4,200.0   | 4,182.0             | 4,129.9             | 4,111.2             | 9.7             | 9.7         | -161.35               | 113.0                             | -378.5     | 723.5                | 708.6                 | 14.97            | 48.317        |                    |        |
| 4,300.0   | 4,281.5             | 4,228.0             | 4,208.8             | 10.0            | 10.0        | -161.36               | 116.1                             | -388.1     | 742.8                | 727.5                 | 15.34            | 48.438        |                    |        |
| 4,400.0   | 4,380.9             | 4,326.1             | 4,306.4             | 10.2            | 10.2        | -161.36               | 119.2                             | -397.7     | 762.1                | 746.5                 | 15.70            | 48.554        |                    |        |
| 4,500.0   | 4,480.4             | 4,424.2             | 4,404.0             | 10.5            | 10.5        | -161.37               | 122.3                             | -407.3     | 781.5                | 765.4                 | 16.06            | 48.665        |                    |        |
| 4,600.0   | 4,579.9             | 4,522.4             | 4,501.6             | 10.7            | 10.7        | -161.37               | 125.4                             | -416.9     | 800.8                | 784.3                 | 16.42            | 48.771        |                    |        |
| 4,700.0   | 4,679.4             | 4,620.5             | 4,599.2             | 11.0            | 10.9        | -161.38               | 128.4                             | -426.5     | 820.1                | 803.3                 | 16.78            | 48.872        |                    |        |
| 4,800.0   | 4,778.9             | 4,718.6             | 4,696.8             | 11.2            | 11.2        | -161.39               | 131.5                             | -436.2     | 839.4                | 822.2                 | 17.14            | 48.968        |                    |        |
| 4,900.0   | 4,878.4             | 4,816.7             | 4,794.4             | 11.5            | 11.4        | -161.39               | 134.6                             | -445.8     | 858.7                | 841.2                 | 17.50            | 49.061        |                    |        |
| 5,000.0   | 4,977.9             | 4,914.8             | 4,892.0             | 11.7            | 11.7        | -161.40               | 137.7                             | -455.4     | 878.0                | 860.1                 | 17.86            | 49.150        |                    |        |
| 5,100.0   | 5,077.3             | 5,013.0             | 4,989.6             | 11.9            | 11.9        | -161.40               | 140.8                             | -465.0     | 897.3                | 879.0                 | 18.22            | 49.236        |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2C-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| 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   | 5,176.8             | 5,111.1             | 5,087.2             | 12.2            | 12.2        | -161.40               | 143.9                             | -474.6     | 916.6                | 898.0                 | 18.58                  | 49.318            |                    |        |        |
| 5,300.0   | 5,276.3             | 5,209.2             | 5,184.8             | 12.4            | 12.4        | -161.41               | 147.0                             | -484.2     | 935.9                | 916.9                 | 18.95                  | 49.397            |                    |        |        |
| 5,400.0   | 5,375.8             | 5,307.3             | 5,282.4             | 12.7            | 12.7        | -161.41               | 150.1                             | -493.8     | 955.2                | 935.9                 | 19.31                  | 49.473            |                    |        |        |
| 5,500.0   | 5,475.3             | 5,405.4             | 5,380.0             | 12.9            | 12.9        | -161.42               | 153.2                             | -503.4     | 974.5                | 954.8                 | 19.67                  | 49.546            |                    |        |        |
| 5,600.0   | 5,574.8             | 5,503.6             | 5,477.6             | 13.2            | 13.2        | -161.42               | 156.3                             | -513.0     | 993.8                | 973.7                 | 20.03                  | 49.617            |                    |        |        |
| 5,700.0   | 5,674.3             | 5,601.7             | 5,575.1             | 13.4            | 13.4        | -161.42               | 159.4                             | -522.6     | 1,013.1              | 992.7                 | 20.39                  | 49.685            |                    |        |        |
| 5,800.0   | 5,773.7             | 5,699.8             | 5,672.7             | 13.7            | 13.7        | -161.43               | 162.5                             | -532.2     | 1,032.4              | 1,011.6               | 20.75                  | 49.751            |                    |        |        |
| 5,900.0   | 5,873.2             | 5,797.9             | 5,770.3             | 13.9            | 13.9        | -161.43               | 165.6                             | -541.8     | 1,051.7              | 1,030.6               | 21.11                  | 49.814            |                    |        |        |
| 6,000.0   | 5,972.7             | 5,896.0             | 5,867.9             | 14.2            | 14.1        | -161.43               | 168.7                             | -551.4     | 1,071.0              | 1,049.5               | 21.47                  | 49.875            |                    |        |        |
| 6,100.0   | 6,072.2             | 5,994.2             | 5,965.5             | 14.4            | 14.4        | -161.44               | 171.8                             | -561.0     | 1,090.3              | 1,068.5               | 21.83                  | 49.935            |                    |        |        |
| 6,200.0   | 6,171.7             | 6,092.3             | 6,063.1             | 14.7            | 14.6        | -161.44               | 174.9                             | -570.6     | 1,109.6              | 1,087.4               | 22.20                  | 49.992            |                    |        |        |
| 6,300.0   | 6,271.2             | 6,190.4             | 6,160.7             | 14.9            | 14.9        | -161.44               | 178.0                             | -580.2     | 1,128.9              | 1,106.3               | 22.56                  | 50.047            |                    |        |        |
| 6,400.0   | 6,370.7             | 6,288.5             | 6,258.3             | 15.2            | 15.1        | -161.45               | 181.0                             | -589.8     | 1,148.2              | 1,125.3               | 22.92                  | 50.101            |                    |        |        |
| 6,500.0   | 6,470.1             | 6,386.6             | 6,355.9             | 15.4            | 15.4        | -161.45               | 184.1                             | -599.4     | 1,167.5              | 1,144.2               | 23.28                  | 50.153            |                    |        |        |
| 6,600.0   | 6,569.6             | 6,484.7             | 6,453.5             | 15.7            | 15.6        | -161.45               | 187.2                             | -609.0     | 1,186.8              | 1,163.2               | 23.64                  | 50.204            |                    |        |        |
| 6,700.0   | 6,669.1             | 6,582.9             | 6,551.1             | 15.9            | 15.9        | -161.45               | 190.3                             | -618.6     | 1,206.1              | 1,182.1               | 24.00                  | 50.253            |                    |        |        |
| 6,800.0   | 6,768.6             | 6,680.3             | 6,648.1             | 16.2            | 16.1        | -161.51               | 192.3                             | -628.1     | 1,225.4              | 1,201.1               | 24.35                  | 50.333            |                    |        |        |
| 6,900.0   | 6,868.1             | 6,774.8             | 6,741.3             | 16.4            | 16.3        | 150.41                | 181.5                             | -637.4     | 1,244.9              | 1,220.3               | 24.60                  | 50.598            |                    |        |        |
| 7,000.0   | 6,966.6             | 6,867.0             | 6,829.6             | 16.6            | 16.4        | 108.65                | 156.3                             | -646.2     | 1,264.2              | 1,239.4               | 24.76                  | 51.049            |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |                 |  |          |  |  |         |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|-----------------|--|----------|--|--|---------|
| Survey Program: 0-MWD |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft          |  |          |  |  |         |
| Reference             |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        |                   | Offset             |        | Semi Major Axis |  | Distance |  |  | Warning |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft) | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor |                    |        |                 |  |          |  |  |         |
| 0.0                   | 0.0                 | 0.0                 | 0.0                 | 0.0            | 0.0         | -90.00                | 0.0                               | -19.6      | 19.6                 |                       |                        |                   |                    |        |                 |  |          |  |  |         |
| 100.0                 | 100.0               | 100.0               | 100.0               | 0.2            | 0.2         | -90.00                | 0.0                               | -19.6      | 19.6                 | 19.3                  | 0.30                   | 64.439            |                    |        |                 |  |          |  |  |         |
| 200.0                 | 200.0               | 200.0               | 200.0               | 0.3            | 0.3         | -90.00                | 0.0                               | -19.6      | 19.6                 | 18.9                  | 0.65                   | 29.980            |                    |        |                 |  |          |  |  |         |
| 300.0                 | 300.0               | 300.0               | 300.0               | 0.5            | 0.5         | -90.00                | 0.0                               | -19.6      | 19.6                 | 18.6                  | 1.00                   | 19.534            |                    |        |                 |  |          |  |  |         |
| 400.0                 | 400.0               | 400.0               | 400.0               | 0.7            | 0.7         | -90.00                | 0.0                               | -19.6      | 19.6                 | 18.2                  | 1.35                   | 14.486            |                    |        |                 |  |          |  |  |         |
| 500.0                 | 500.0               | 500.0               | 500.0               | 0.8            | 0.8         | -90.00                | 0.0                               | -19.6      | 19.6                 | 17.9                  | 1.70                   | 11.512            | CC, ES             |        |                 |  |          |  |  |         |
| 600.0                 | 600.0               | 599.3               | 599.3               | 1.0            | 1.0         | -160.80               | 0.8                               | -21.1      | 22.7                 | 20.7                  | 2.05                   | 11.107            |                    |        |                 |  |          |  |  |         |
| 700.0                 | 699.8               | 698.2               | 698.0               | 1.2            | 1.2         | -159.48               | 3.3                               | -25.5      | 32.2                 | 29.8                  | 2.40                   | 13.447            |                    |        |                 |  |          |  |  |         |
| 800.0                 | 799.5               | 797.2               | 796.9               | 1.4            | 1.4         | -159.61               | 6.3                               | -31.0      | 46.0                 | 43.3                  | 2.75                   | 16.752            |                    |        |                 |  |          |  |  |         |
| 900.0                 | 898.9               | 896.1               | 895.5               | 1.6            | 1.6         | -160.20               | 9.4                               | -36.5      | 61.1                 | 58.0                  | 3.10                   | 19.705            |                    |        |                 |  |          |  |  |         |
| 1,000.0               | 998.4               | 994.9               | 994.2               | 1.9            | 1.8         | -160.55               | 12.4                              | -42.0      | 76.2                 | 72.8                  | 3.46                   | 22.042            |                    |        |                 |  |          |  |  |         |
| 1,100.0               | 1,097.9             | 1,093.8             | 1,092.8             | 2.1            | 2.0         | -160.79               | 15.5                              | -47.5      | 91.4                 | 87.5                  | 3.82                   | 23.935            |                    |        |                 |  |          |  |  |         |
| 1,200.0               | 1,197.4             | 1,192.6             | 1,191.5             | 2.3            | 2.2         | -160.96               | 18.5                              | -53.0      | 106.5                | 102.3                 | 4.18                   | 25.499            |                    |        |                 |  |          |  |  |         |
| 1,300.0               | 1,296.9             | 1,291.5             | 1,290.1             | 2.6            | 2.4         | -161.09               | 21.5                              | -58.5      | 121.6                | 117.1                 | 4.54                   | 26.812            |                    |        |                 |  |          |  |  |         |
| 1,400.0               | 1,396.4             | 1,390.3             | 1,388.7             | 2.8            | 2.6         | -161.19               | 24.6                              | -64.0      | 136.7                | 131.8                 | 4.90                   | 27.930            |                    |        |                 |  |          |  |  |         |
| 1,500.0               | 1,495.9             | 1,489.2             | 1,487.4             | 3.1            | 2.8         | -161.27               | 27.6                              | -69.5      | 151.9                | 146.6                 | 5.26                   | 28.893            |                    |        |                 |  |          |  |  |         |
| 1,600.0               | 1,595.3             | 1,588.0             | 1,586.0             | 3.3            | 3.0         | -161.33               | 30.7                              | -75.0      | 167.0                | 161.4                 | 5.62                   | 29.731            |                    |        |                 |  |          |  |  |         |
| 1,700.0               | 1,694.8             | 1,686.9             | 1,684.7             | 3.5            | 3.2         | -161.38               | 33.7                              | -80.5      | 182.1                | 176.1                 | 5.98                   | 30.466            |                    |        |                 |  |          |  |  |         |
| 1,800.0               | 1,794.3             | 1,785.7             | 1,783.3             | 3.8            | 3.4         | -161.43               | 36.8                              | -86.0      | 197.2                | 190.9                 | 6.34                   | 31.117            |                    |        |                 |  |          |  |  |         |
| 1,900.0               | 1,893.8             | 1,884.5             | 1,882.0             | 4.0            | 3.6         | -161.47               | 39.8                              | -91.5      | 212.4                | 205.7                 | 6.70                   | 31.697            |                    |        |                 |  |          |  |  |         |
| 2,000.0               | 1,993.3             | 1,983.4             | 1,980.6             | 4.3            | 3.8         | -161.50               | 42.8                              | -97.0      | 227.5                | 220.4                 | 7.06                   | 32.217            |                    |        |                 |  |          |  |  |         |
| 2,100.0               | 2,092.8             | 2,082.2             | 2,079.3             | 4.5            | 4.0         | -161.53               | 45.9                              | -102.5     | 242.6                | 235.2                 | 7.42                   | 32.686            |                    |        |                 |  |          |  |  |         |
| 2,200.0               | 2,192.3             | 2,181.1             | 2,177.9             | 4.8            | 4.2         | -161.56               | 48.9                              | -108.0     | 257.8                | 250.0                 | 7.78                   | 33.111            |                    |        |                 |  |          |  |  |         |
| 2,300.0               | 2,291.7             | 2,279.9             | 2,276.6             | 5.0            | 4.4         | -161.58               | 52.0                              | -113.5     | 272.9                | 264.7                 | 8.15                   | 33.498            |                    |        |                 |  |          |  |  |         |
| 2,400.0               | 2,391.2             | 2,378.8             | 2,375.2             | 5.3            | 4.6         | -161.61               | 55.0                              | -119.0     | 288.0                | 279.5                 | 8.51                   | 33.852            |                    |        |                 |  |          |  |  |         |
| 2,500.0               | 2,490.7             | 2,477.6             | 2,473.9             | 5.5            | 4.8         | -161.62               | 58.0                              | -124.5     | 303.1                | 294.3                 | 8.87                   | 34.176            |                    |        |                 |  |          |  |  |         |
| 2,600.0               | 2,590.2             | 2,576.5             | 2,572.5             | 5.7            | 5.0         | -161.64               | 61.1                              | -130.0     | 318.3                | 309.0                 | 9.23                   | 34.475            |                    |        |                 |  |          |  |  |         |
| 2,700.0               | 2,689.7             | 2,675.3             | 2,671.2             | 6.0            | 5.2         | -161.66               | 64.1                              | -135.5     | 333.4                | 323.8                 | 9.59                   | 34.751            |                    |        |                 |  |          |  |  |         |
| 2,800.0               | 2,789.2             | 2,774.2             | 2,769.8             | 6.2            | 5.4         | -161.67               | 67.2                              | -141.0     | 348.5                | 338.6                 | 9.96                   | 35.007            |                    |        |                 |  |          |  |  |         |
| 2,900.0               | 2,888.7             | 2,873.0             | 2,868.5             | 6.5            | 5.6         | -161.68               | 70.2                              | -146.4     | 363.6                | 353.3                 | 10.32                  | 35.245            |                    |        |                 |  |          |  |  |         |
| 3,000.0               | 2,988.1             | 2,971.9             | 2,967.1             | 6.7            | 5.8         | -161.70               | 73.2                              | -151.9     | 378.8                | 368.1                 | 10.68                  | 35.466            |                    |        |                 |  |          |  |  |         |
| 3,100.0               | 3,087.6             | 3,070.7             | 3,065.8             | 7.0            | 6.0         | -161.71               | 76.3                              | -157.4     | 393.9                | 382.9                 | 11.04                  | 35.673            |                    |        |                 |  |          |  |  |         |
| 3,200.0               | 3,187.1             | 3,169.6             | 3,164.4             | 7.2            | 6.2         | -161.72               | 79.3                              | -162.9     | 409.0                | 397.6                 | 11.40                  | 35.867            |                    |        |                 |  |          |  |  |         |
| 3,300.0               | 3,286.6             | 3,268.4             | 3,263.1             | 7.5            | 6.4         | -161.73               | 82.4                              | -168.4     | 424.2                | 412.4                 | 11.77                  | 36.049            |                    |        |                 |  |          |  |  |         |
| 3,400.0               | 3,386.1             | 3,367.3             | 3,361.7             | 7.7            | 6.6         | -161.74               | 85.4                              | -173.9     | 439.3                | 427.2                 | 12.13                  | 36.219            |                    |        |                 |  |          |  |  |         |
| 3,500.0               | 3,485.6             | 3,466.1             | 3,460.4             | 8.0            | 6.8         | -161.74               | 88.4                              | -179.4     | 454.4                | 441.9                 | 12.49                  | 36.380            |                    |        |                 |  |          |  |  |         |
| 3,600.0               | 3,585.1             | 3,565.0             | 3,559.0             | 8.2            | 7.0         | -161.75               | 91.5                              | -184.9     | 469.5                | 456.7                 | 12.85                  | 36.532            |                    |        |                 |  |          |  |  |         |
| 3,700.0               | 3,684.5             | 3,663.8             | 3,657.7             | 8.5            | 7.3         | -161.76               | 94.5                              | -190.4     | 484.7                | 471.5                 | 13.22                  | 36.675            |                    |        |                 |  |          |  |  |         |
| 3,800.0               | 3,784.0             | 3,762.7             | 3,756.3             | 8.7            | 7.5         | -161.77               | 97.6                              | -195.9     | 499.8                | 486.2                 | 13.58                  | 36.811            |                    |        |                 |  |          |  |  |         |
| 3,900.0               | 3,883.5             | 3,861.5             | 3,855.0             | 9.0            | 7.7         | -161.77               | 100.6                             | -201.4     | 514.9                | 501.0                 | 13.94                  | 36.939            |                    |        |                 |  |          |  |  |         |
| 4,000.0               | 3,983.0             | 3,960.4             | 3,953.6             | 9.2            | 7.9         | -161.78               | 103.7                             | -206.9     | 530.0                | 515.7                 | 14.30                  | 37.061            |                    |        |                 |  |          |  |  |         |
| 4,100.0               | 4,082.5             | 4,059.2             | 4,052.3             | 9.5            | 8.1         | -161.78               | 106.7                             | -212.4     | 545.2                | 530.5                 | 14.66                  | 37.177            |                    |        |                 |  |          |  |  |         |
| 4,200.0               | 4,182.0             | 4,158.1             | 4,150.9             | 9.7            | 8.3         | -161.79               | 109.7                             | -217.9     | 560.3                | 545.3                 | 15.03                  | 37.287            |                    |        |                 |  |          |  |  |         |
| 4,300.0               | 4,281.5             | 4,256.9             | 4,249.6             | 10.0           | 8.5         | -161.79               | 112.8                             | -223.4     | 575.4                | 560.0                 | 15.39                  | 37.393            |                    |        |                 |  |          |  |  |         |
| 4,400.0               | 4,380.9             | 4,355.8             | 4,348.2             | 10.2           | 8.7         | -161.80               | 115.8                             | -228.9     | 590.6                | 574.8                 | 15.75                  | 37.493            |                    |        |                 |  |          |  |  |         |
| 4,500.0               | 4,480.4             | 4,454.6             | 4,446.9             | 10.5           | 8.9         | -161.80               | 118.9                             | -234.4     | 605.7                | 589.6                 | 16.11                  | 37.588            |                    |        |                 |  |          |  |  |         |
| 4,600.0               | 4,579.9             | 4,553.5             | 4,545.5             | 10.7           | 9.1         | -161.81               | 121.9                             | -239.9     | 620.8                | 604.3                 | 16.48                  | 37.680            |                    |        |                 |  |          |  |  |         |
| 4,700.0               | 4,679.4             | 4,652.3             | 4,644.2             | 11.0           | 9.3         | -161.81               | 124.9                             | -245.4     | 635.9                | 619.1                 | 16.84                  | 37.767            |                    |        |                 |  |          |  |  |         |
| 4,800.0               | 4,778.9             | 4,751.2             | 4,742.8             | 11.2           | 9.5         | -161.82               | 128.0                             | -250.9     | 651.1                | 633.9                 | 17.20                  | 37.851            |                    |        |                 |  |          |  |  |         |
| 4,900.0               | 4,878.4             | 4,850.0             | 4,841.5             | 11.5           | 9.7         | -161.82               | 131.0                             | -256.4     | 666.2                | 648.6                 | 17.56                  | 37.931            |                    |        |                 |  |          |  |  |         |
| 5,000.0               | 4,977.9             | 4,948.9             | 4,940.1             | 11.7           | 9.9         | -161.82               | 134.1                             | -261.9     | 681.3                | 663.4                 | 17.93                  | 38.008            |                    |        |                 |  |          |  |  |         |
| 5,100.0               | 5,077.3             | 5,047.7             | 5,038.8             | 11.9           | 10.1        | -161.83               | 137.1                             | -267.4     | 696.5                | 678.2                 | 18.29                  | 38.082            |                    |        |                 |  |          |  |  |         |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |         |
|--|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|---------|
| Survey Program: 0-MWD  |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft  |
| Reference: S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2D-14H-C268 - Hz - Plan #2 |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        |                   |                    |        |         |
| 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  | 5,176.8             | 5,146.6             | 5,137.4             | 12.2           | 10.3        | -161.83               | 140.1                             | -272.9     | 711.6                | 692.9                 | 18.65                  | 38.154            |                    |        |         |
| 5,300.0  | 5,276.3             | 5,245.4             | 5,236.1             | 12.4           | 10.5        | -161.83               | 143.2                             | -278.4     | 726.7                | 707.7                 | 19.01                  | 38.222            |                    |        |         |
| 5,400.0  | 5,375.8             | 5,344.3             | 5,334.7             | 12.7           | 10.7        | -161.84               | 146.2                             | -283.8     | 741.8                | 722.5                 | 19.38                  | 38.288            |                    |        |         |
| 5,500.0  | 5,475.3             | 5,443.1             | 5,433.4             | 12.9           | 10.9        | -161.84               | 149.3                             | -289.3     | 757.0                | 737.2                 | 19.74                  | 38.351            |                    |        |         |
| 5,600.0  | 5,574.8             | 5,542.0             | 5,532.0             | 13.2           | 11.1        | -161.84               | 152.3                             | -294.8     | 772.1                | 752.0                 | 20.10                  | 38.412            |                    |        |         |
| 5,700.0  | 5,674.3             | 5,640.8             | 5,630.7             | 13.4           | 11.3        | -161.85               | 155.3                             | -300.3     | 787.2                | 766.8                 | 20.46                  | 38.471            |                    |        |         |
| 5,800.0  | 5,773.7             | 5,739.7             | 5,729.3             | 13.7           | 11.5        | -161.85               | 158.4                             | -305.8     | 802.3                | 781.5                 | 20.83                  | 38.528            |                    |        |         |
| 5,900.0  | 5,873.2             | 5,838.5             | 5,828.0             | 13.9           | 11.7        | -161.85               | 161.4                             | -311.3     | 817.5                | 796.3                 | 21.19                  | 38.583            |                    |        |         |
| 6,000.0  | 5,972.7             | 5,937.4             | 5,926.6             | 14.2           | 11.9        | -161.85               | 164.5                             | -316.8     | 832.6                | 811.1                 | 21.55                  | 38.636            |                    |        |         |
| 6,100.0  | 6,072.2             | 6,036.2             | 6,025.3             | 14.4           | 12.2        | -161.86               | 167.5                             | -322.3     | 847.7                | 825.8                 | 21.91                  | 38.687            |                    |        |         |
| 6,200.0  | 6,171.7             | 6,135.1             | 6,123.9             | 14.7           | 12.4        | -161.86               | 170.6                             | -327.8     | 862.9                | 840.6                 | 22.27                  | 38.737            |                    |        |         |
| 6,300.0  | 6,271.2             | 6,233.9             | 6,222.6             | 14.9           | 12.6        | -161.86               | 173.6                             | -333.3     | 878.0                | 855.3                 | 22.64                  | 38.785            |                    |        |         |
| 6,400.0  | 6,370.7             | 6,332.8             | 6,321.2             | 15.2           | 12.8        | -161.86               | 176.6                             | -338.8     | 893.1                | 870.1                 | 23.00                  | 38.831            |                    |        |         |
| 6,500.0  | 6,470.1             | 6,431.6             | 6,419.9             | 15.4           | 13.0        | -161.86               | 179.7                             | -344.3     | 908.2                | 884.9                 | 23.36                  | 38.876            |                    |        |         |
| 6,600.0  | 6,569.6             | 6,530.5             | 6,518.5             | 15.7           | 13.2        | -161.87               | 182.7                             | -349.8     | 923.4                | 899.6                 | 23.72                  | 38.920            |                    |        |         |
| 6,700.0  | 6,669.1             | 6,629.3             | 6,617.2             | 15.9           | 13.4        | -161.87               | 185.8                             | -355.3     | 938.5                | 914.4                 | 24.09                  | 38.962            |                    |        |         |
| 6,800.0  | 6,768.6             | 6,728.2             | 6,715.8             | 16.2           | 13.6        | -161.87               | 188.8                             | -360.8     | 953.6                | 929.2                 | 24.45                  | 39.003            |                    |        |         |
| 6,900.0  | 6,868.1             | 6,827.0             | 6,814.4             | 16.4           | 13.8        | -161.87               | 191.8                             | -366.3     | 968.7                | 943.9                 | 24.78                  | 39.086            |                    |        |         |
| 7,000.0  | 6,966.6             | 6,922.5             | 6,909.6             | 16.6           | 13.9        | -161.87               | 194.8                             | -371.7     | 983.6                | 958.6                 | 24.99                  | 39.352            |                    |        |         |
| 7,100.0  | 7,061.2             | 7,019.3             | 7,004.0             | 16.7           | 14.0        | -161.87               | 197.8                             | -377.4     | 998.0                | 972.8                 | 25.11                  | 39.747            |                    |        |         |
| 7,200.0  | 7,149.1             | 7,118.1             | 7,095.5             | 16.8           | 14.1        | -161.87               | 200.8                             | -383.2     | 1,011.5              | 986.3                 | 25.19                  | 40.148            |                    |        |         |
| 7,300.0  | 7,227.6             | 7,218.9             | 7,180.9             | 16.9           | 14.2        | -161.87               | 203.8                             | -388.9     | 1,023.8              | 998.4                 | 25.35                  | 40.385            |                    |        |         |
| 7,400.0  | 7,294.3             | 7,322.0             | 7,257.3             | 17.1           | 14.4        | -161.87               | 206.8                             | -394.4     | 1,034.4              | 1,008.7               | 25.70                  | 40.256            |                    |        |         |
| 7,500.0  | 7,347.2             | 7,427.4             | 7,321.4             | 17.4           | 14.7        | -161.87               | 209.8                             | -399.4     | 1,043.1              | 1,016.8               | 26.34                  | 39.602            |                    |        |         |
| 7,600.0  | 7,384.7             | 7,535.0             | 7,370.0             | 17.9           | 15.1        | -161.87               | 212.8                             | -403.8     | 1,049.5              | 1,022.1               | 27.38                  | 38.330            |                    |        |         |
| 7,700.0  | 7,405.6             | 7,644.5             | 7,400.2             | 18.5           | 15.8        | -161.87               | 215.8                             | -407.4     | 1,053.3              | 1,024.5               | 28.85                  | 36.512            |                    |        |         |
| 7,800.0  | 7,410.0             | 7,755.0             | 7,410.0             | 19.2           | 16.7        | -161.87               | 218.8                             | -409.8     | 1,054.6              | 1,023.9               | 30.72                  | 34.331            |                    |        |         |
| 7,900.0  | 7,410.0             | 7,856.7             | 7,410.0             | 20.0           | 17.7        | -161.87               | 221.8                             | -411.6     | 1,055.0              | 1,022.1               | 32.82                  | 32.140            |                    |        |         |
| 8,000.0  | 7,410.0             | 7,994.8             | 7,410.0             | 21.0           | 19.2        | -161.87               | 224.8                             | -411.3     | 1,053.3              | 1,017.7               | 35.61                  | 29.584            |                    |        |         |
| 8,100.0  | 7,410.0             | 8,132.5             | 7,410.0             | 22.1           | 20.8        | -161.87               | 227.8                             | -406.0     | 1,048.1              | 1,009.5               | 38.64                  | 27.124            |                    |        |         |
| 8,200.0  | 7,410.0             | 8,264.4             | 7,410.0             | 23.2           | 22.5        | -161.87               | 230.8                             | -396.4     | 1,039.3              | 997.5                 | 41.78                  | 24.876            |                    |        |         |
| 8,300.0  | 7,410.0             | 8,363.9             | 7,410.0             | 24.4           | 23.8        | -161.87               | 233.8                             | -387.7     | 1,029.2              | 984.6                 | 44.60                  | 23.076            |                    |        |         |
| 8,400.0  | 7,410.0             | 8,463.4             | 7,410.0             | 25.7           | 25.2        | -161.87               | 236.8                             | -379.0     | 1,019.1              | 971.6                 | 47.51                  | 21.452            |                    |        |         |
| 8,500.0  | 7,410.0             | 8,562.9             | 7,410.0             | 27.0           | 26.6        | -161.87               | 239.8                             | -370.3     | 1,009.0              | 958.5                 | 50.49                  | 19.985            |                    |        |         |
| 8,600.0  | 7,410.0             | 8,662.4             | 7,410.0             | 28.4           | 28.1        | -161.87               | 242.8                             | -361.7     | 998.9                | 945.4                 | 53.53                  | 18.659            |                    |        |         |
| 8,700.0  | 7,410.0             | 8,761.9             | 7,410.0             | 29.8           | 29.6        | -161.87               | 245.8                             | -353.0     | 988.8                | 932.2                 | 56.63                  | 17.460            |                    |        |         |
| 8,800.0  | 7,410.0             | 8,861.3             | 7,410.0             | 31.3           | 31.1        | -161.87               | 248.8                             | -344.3     | 978.7                | 918.9                 | 59.77                  | 16.374            |                    |        |         |
| 8,900.0  | 7,410.0             | 8,960.8             | 7,410.0             | 32.7           | 32.7        | -161.87               | 251.8                             | -335.7     | 968.6                | 905.6                 | 62.95                  | 15.386            |                    |        |         |
| 9,000.0  | 7,410.0             | 9,060.3             | 7,410.0             | 34.3           | 34.2        | -161.87               | 254.8                             | -327.0     | 958.5                | 892.3                 | 66.16                  | 14.487            |                    |        |         |
| 9,100.0  | 7,410.0             | 9,159.8             | 7,410.0             | 35.8           | 35.8        | -161.87               | 257.8                             | -318.3     | 948.4                | 879.0                 | 69.40                  | 13.665            |                    |        |         |
| 9,200.0  | 7,410.0             | 9,259.3             | 7,410.0             | 37.3           | 37.4        | -161.87               | 260.8                             | -309.6     | 938.3                | 865.6                 | 72.66                  | 12.913            |                    |        |         |
| 9,300.0  | 7,410.0             | 9,358.8             | 7,410.0             | 38.9           | 39.0        | -161.87               | 263.8                             | -301.0     | 928.2                | 852.2                 | 75.95                  | 12.221            |                    |        |         |
| 9,400.0  | 7,410.0             | 9,458.3             | 7,410.0             | 40.5           | 40.6        | -161.87               | 266.8                             | -292.3     | 918.1                | 838.8                 | 79.25                  | 11.585            |                    |        |         |
| 9,500.0  | 7,410.0             | 9,557.8             | 7,410.0             | 42.1           | 42.3        | -161.87               | 269.8                             | -283.6     | 908.0                | 825.4                 | 82.57                  | 10.997            |                    |        |         |
| 9,600.0  | 7,410.0             | 9,657.2             | 7,410.0             | 43.7           | 43.9        | -161.87               | 272.8                             | -275.0     | 897.8                | 811.9                 | 85.90                  | 10.452            |                    |        |         |
| 9,700.0  | 7,410.0             | 9,756.7             | 7,410.0             | 45.3           | 45.6        | -161.87               | 275.8                             | -266.3     | 887.7                | 798.5                 | 89.24                  | 9.947             |                    |        |         |
| 9,800.0  | 7,410.0             | 9,856.2             | 7,410.0             | 46.9           | 47.2        | -161.87               | 278.8                             | -257.6     | 877.6                | 785.0                 | 92.60                  | 9.478             |                    |        |         |
| 9,900.0  | 7,410.0             | 9,955.7             | 7,410.0             | 48.6           | 48.9        | -161.87               | 281.8                             | -248.9     | 867.5                | 771.6                 | 95.97                  | 9.040             |                    |        |         |
| 10,000.0   | 7,410.0             | 10,055.2            | 7,410.0             | 50.2           | 50.5        | -161.87               | 284.8                             | -240.3     | 857.4                | 758.1                 | 99.34                  | 8.631             |                    |        |         |
| 10,100.0   | 7,410.0             | 10,154.7            | 7,410.0             | 51.9           | 52.2        | -161.87               | 287.8                             | -231.6     | 847.3                | 744.6                 | 102.72                 | 8.248             |                    |        |         |
| 10,200.0   | 7,410.0             | 10,250.5            | 7,410.0             | 53.5           | 53.8        | -161.87               | 290.8                             | -223.3     | 837.2                | 731.2                 | 106.05                 | 7.894             |                    |        |         |
| 10,300.0   | 7,410.0             | 10,335.3            | 7,410.0             | 55.2           | 55.3        | -161.87               | 293.8                             | -216.8     | 828.3                | 719.1                 | 109.20                 | 7.585             |                    |        |         |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        | Offset Site Error: | 0.0 ft |          |  |         |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|--------|----------|--|---------|
| Survey Program: 0-MWD |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        | Offset Well Error: |        | 0.0 ft   |  |         |
| Reference             |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                        | 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  |        |          |  |         |
| 10,400.0              | 7,410.0             | 10,417.3            | 7,410.0             | 56.9           | 56.7        | 90.00                 | -3,038.4                          | -212.3     | 821.4                | 709.1                 | 112.31                 | 7.314              |        |          |  |         |
| 10,500.0              | 7,410.0             | 10,500.0            | 7,410.0             | 58.5           | 58.1        | 90.00                 | -3,121.0                          | -209.6     | 816.8                | 701.3                 | 115.43                 | 7.076              |        |          |  |         |
| 10,600.0              | 7,410.0             | 10,582.0            | 7,410.0             | 60.2           | 59.5        | 90.00                 | -3,203.0                          | -208.7     | 814.2                | 695.7                 | 118.54                 | 6.869              |        |          |  |         |
| 10,667.0              | 7,410.0             | 10,637.2            | 7,410.0             | 61.3           | 60.4        | 90.00                 | -3,258.2                          | -209.1     | 813.7                | 693.1                 | 120.63                 | 6.746              |        |          |  |         |
| 10,700.0              | 7,410.0             | 10,664.5            | 7,410.0             | 61.9           | 60.9        | 90.00                 | -3,285.5                          | -209.6     | 813.9                | 692.2                 | 121.67                 | 6.689              |        |          |  |         |
| 10,800.0              | 7,410.0             | 10,764.5            | 7,410.0             | 63.6           | 62.6        | 90.00                 | -3,385.5                          | -211.7     | 814.6                | 689.5                 | 125.10                 | 6.511              |        |          |  |         |
| 10,900.0              | 7,410.0             | 10,864.5            | 7,410.0             | 65.3           | 64.3        | 90.00                 | -3,485.5                          | -213.8     | 815.3                | 686.7                 | 128.53                 | 6.343              |        |          |  |         |
| 11,000.0              | 7,410.0             | 10,964.5            | 7,410.0             | 67.0           | 66.0        | 90.00                 | -3,585.4                          | -215.9     | 816.0                | 684.0                 | 131.97                 | 6.183              |        |          |  |         |
| 11,100.0              | 7,410.0             | 11,064.5            | 7,410.0             | 68.7           | 67.8        | 90.00                 | -3,685.4                          | -217.9     | 816.7                | 681.2                 | 135.41                 | 6.031              |        |          |  |         |
| 11,200.0              | 7,410.0             | 11,163.9            | 7,410.0             | 70.4           | 69.5        | 90.00                 | -3,784.7                          | -220.0     | 817.4                | 678.5                 | 138.85                 | 5.887              |        |          |  |         |
| 11,300.0              | 7,410.0             | 11,253.9            | 7,410.0             | 72.1           | 71.0        | 90.00                 | -3,874.7                          | -222.6     | 818.8                | 676.7                 | 142.13                 | 5.761              |        |          |  |         |
| 11,400.0              | 7,410.0             | 11,353.9            | 7,410.0             | 73.8           | 72.7        | 90.00                 | -3,974.7                          | -226.0     | 820.8                | 675.2                 | 145.58                 | 5.638              |        |          |  |         |
| 11,500.0              | 7,410.0             | 11,453.9            | 7,410.0             | 75.5           | 74.5        | 90.00                 | -4,074.6                          | -229.4     | 822.8                | 673.8                 | 149.03                 | 5.521              |        |          |  |         |
| 11,600.0              | 7,410.0             | 11,553.8            | 7,410.0             | 77.2           | 76.2        | 90.00                 | -4,174.5                          | -232.8     | 824.8                | 672.3                 | 152.49                 | 5.409              |        |          |  |         |
| 11,700.0              | 7,410.0             | 11,653.8            | 7,410.0             | 78.9           | 77.9        | 90.00                 | -4,274.4                          | -236.2     | 826.8                | 670.8                 | 155.95                 | 5.302              |        |          |  |         |
| 11,800.0              | 7,410.0             | 11,753.8            | 7,410.0             | 80.6           | 79.7        | 90.00                 | -4,374.4                          | -239.5     | 828.8                | 669.4                 | 159.41                 | 5.199              |        |          |  |         |
| 11,900.0              | 7,410.0             | 11,853.8            | 7,410.0             | 82.3           | 81.4        | 90.00                 | -4,474.3                          | -242.9     | 830.8                | 667.9                 | 162.88                 | 5.101              |        |          |  |         |
| 12,000.0              | 7,410.0             | 11,953.8            | 7,410.0             | 84.0           | 83.1        | 90.00                 | -4,574.2                          | -246.3     | 832.8                | 666.4                 | 166.34                 | 5.006              |        |          |  |         |
| 12,100.0              | 7,410.0             | 12,053.7            | 7,410.0             | 85.8           | 84.9        | 90.00                 | -4,674.1                          | -249.7     | 834.8                | 665.0                 | 169.81                 | 4.916              |        |          |  |         |
| 12,200.0              | 7,410.0             | 12,153.7            | 7,410.0             | 87.5           | 86.6        | 90.00                 | -4,774.0                          | -253.1     | 836.8                | 663.5                 | 173.28                 | 4.829              |        |          |  |         |
| 12,300.0              | 7,410.0             | 12,253.7            | 7,410.0             | 89.2           | 88.3        | 90.00                 | -4,874.0                          | -256.5     | 838.8                | 662.0                 | 176.75                 | 4.745              |        |          |  |         |
| 12,400.0              | 7,410.0             | 12,353.7            | 7,410.0             | 90.9           | 90.1        | 90.00                 | -4,973.9                          | -259.9     | 840.7                | 660.5                 | 180.22                 | 4.665              |        |          |  |         |
| 12,500.0              | 7,410.0             | 12,453.7            | 7,410.0             | 92.7           | 91.8        | 90.00                 | -5,073.8                          | -263.3     | 842.7                | 659.0                 | 183.69                 | 4.588              |        |          |  |         |
| 12,600.0              | 7,410.0             | 12,553.6            | 7,410.0             | 94.4           | 93.5        | 90.00                 | -5,173.7                          | -266.7     | 844.7                | 657.6                 | 187.17                 | 4.513              |        |          |  |         |
| 12,700.0              | 7,410.0             | 12,653.6            | 7,410.0             | 96.1           | 95.3        | 90.00                 | -5,273.7                          | -270.1     | 846.7                | 656.1                 | 190.65                 | 4.441              |        |          |  |         |
| 12,800.0              | 7,410.0             | 12,753.6            | 7,410.0             | 97.8           | 97.0        | 90.00                 | -5,373.6                          | -273.4     | 848.7                | 654.6                 | 194.12                 | 4.372              |        |          |  |         |
| 12,900.0              | 7,410.0             | 12,853.6            | 7,410.0             | 99.6           | 98.8        | 90.00                 | -5,473.5                          | -276.8     | 850.7                | 653.1                 | 197.60                 | 4.305              |        |          |  |         |
| 13,000.0              | 7,410.0             | 12,953.6            | 7,410.0             | 101.3          | 100.5       | 90.00                 | -5,573.4                          | -280.2     | 852.7                | 651.6                 | 201.08                 | 4.241              |        |          |  |         |
| 13,100.0              | 7,410.0             | 13,053.5            | 7,410.0             | 103.0          | 102.2       | 90.00                 | -5,673.4                          | -283.6     | 854.7                | 650.2                 | 204.56                 | 4.178              |        |          |  |         |
| 13,200.0              | 7,410.0             | 13,153.5            | 7,410.0             | 104.7          | 104.0       | 90.00                 | -5,773.3                          | -287.0     | 856.7                | 648.7                 | 208.04                 | 4.118              |        |          |  |         |
| 13,300.0              | 7,410.0             | 13,253.5            | 7,410.0             | 106.5          | 105.7       | 90.00                 | -5,873.2                          | -290.4     | 858.7                | 647.2                 | 211.52                 | 4.060              |        |          |  |         |
| 13,400.0              | 7,410.0             | 13,353.5            | 7,410.0             | 108.2          | 107.5       | 90.00                 | -5,973.1                          | -293.8     | 860.7                | 645.7                 | 215.01                 | 4.003              |        |          |  |         |
| 13,500.0              | 7,410.0             | 13,453.5            | 7,410.0             | 109.9          | 109.2       | 90.00                 | -6,073.0                          | -297.2     | 862.7                | 644.2                 | 218.49                 | 3.948              |        |          |  |         |
| 13,600.0              | 7,410.0             | 13,553.4            | 7,410.0             | 111.7          | 110.9       | 90.00                 | -6,173.0                          | -300.6     | 864.7                | 642.7                 | 221.98                 | 3.895              |        |          |  |         |
| 13,700.0              | 7,410.0             | 13,653.4            | 7,410.0             | 113.4          | 112.7       | 90.00                 | -6,272.9                          | -304.0     | 866.7                | 641.2                 | 225.46                 | 3.844              |        |          |  |         |
| 13,800.0              | 7,410.0             | 13,753.4            | 7,410.0             | 115.1          | 114.4       | 90.00                 | -6,372.8                          | -307.3     | 868.7                | 639.7                 | 228.95                 | 3.794              |        |          |  |         |
| 13,900.0              | 7,410.0             | 13,853.4            | 7,410.0             | 116.9          | 116.2       | 90.00                 | -6,472.7                          | -310.7     | 870.7                | 638.2                 | 232.43                 | 3.746              |        |          |  |         |
| 14,000.0              | 7,410.0             | 13,953.4            | 7,410.0             | 118.6          | 117.9       | 90.00                 | -6,572.7                          | -314.1     | 872.7                | 636.7                 | 235.92                 | 3.699              |        |          |  |         |
| 14,100.0              | 7,410.0             | 14,053.3            | 7,410.0             | 120.3          | 119.7       | 90.00                 | -6,672.6                          | -317.5     | 874.7                | 635.3                 | 239.41                 | 3.653              |        |          |  |         |
| 14,111.4              | 7,410.0             | 14,064.8            | 7,410.0             | 120.5          | 119.9       | 90.00                 | -6,684.0                          | -317.9     | 874.9                | 635.1                 | 239.81                 | 3.648 SF           |        |          |  |         |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2E-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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            |        |
| 0.0   | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | -90.00                | 0.0                               | -8.4       | 8.4                  |                       |                        |                   |                    |        |
| 100.0   | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -90.00                | 0.0                               | -8.4       | 8.4                  | 8.1                   | 0.30                   | 27.617            |                    |        |
| 200.0   | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -90.00                | 0.0                               | -8.4       | 8.4                  | 7.7                   | 0.65                   | 12.848            |                    |        |
| 300.0   | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | -90.00                | 0.0                               | -8.4       | 8.4                  | 7.4                   | 1.00                   | 8.372             |                    |        |
| 400.0   | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | -90.00                | 0.0                               | -8.4       | 8.4                  | 7.0                   | 1.35                   | 6.208             |                    |        |
| 500.0   | 500.0               | 500.0               | 500.0               | 0.8             | 0.8         | -90.00                | 0.0                               | -8.4       | 8.4                  | 6.7                   | 1.70                   | 4.934             | CC, ES             |        |
| 600.0   | 600.0               | 600.0               | 600.0               | 1.0             | 1.0         | -164.68               | 0.0                               | -8.4       | 10.1                 | 8.0                   | 2.05                   | 4.910             |                    |        |
| 700.0   | 699.8               | 700.1               | 700.1               | 1.2             | 1.2         | -164.37               | 1.5                               | -7.5       | 14.1                 | 11.7                  | 2.40                   | 5.897             |                    |        |
| 800.0   | 799.5               | 799.9               | 799.9               | 1.4             | 1.4         | -162.16               | 4.7                               | -5.6       | 20.5                 | 17.7                  | 2.75                   | 7.450             |                    |        |
| 900.0   | 898.9               | 899.6               | 899.5               | 1.6             | 1.6         | -161.95               | 7.9                               | -3.7       | 28.2                 | 25.1                  | 3.11                   | 9.074             |                    |        |
| 1,000.0   | 998.4               | 999.3               | 999.1               | 1.9             | 1.7         | -161.83               | 11.2                              | -1.8       | 35.9                 | 32.4                  | 3.47                   | 10.357            |                    |        |
| 1,100.0   | 1,097.9             | 1,099.0             | 1,098.7             | 2.1             | 1.9         | -161.75               | 14.4                              | 0.1        | 43.6                 | 39.8                  | 3.83                   | 11.395            |                    |        |
| 1,200.0   | 1,197.4             | 1,198.8             | 1,198.4             | 2.3             | 2.1         | -161.70               | 17.6                              | 2.0        | 51.3                 | 47.1                  | 4.19                   | 12.252            |                    |        |
| 1,300.0   | 1,296.9             | 1,298.5             | 1,298.0             | 2.6             | 2.3         | -161.66               | 20.8                              | 3.9        | 59.0                 | 54.5                  | 4.55                   | 12.971            |                    |        |
| 1,400.0   | 1,396.4             | 1,398.2             | 1,397.6             | 2.8             | 2.5         | -161.63               | 24.0                              | 5.8        | 66.7                 | 61.8                  | 4.91                   | 13.582            |                    |        |
| 1,500.0   | 1,495.9             | 1,497.9             | 1,497.3             | 3.1             | 2.7         | -161.60               | 27.3                              | 7.7        | 74.5                 | 69.2                  | 5.28                   | 14.108            |                    |        |
| 1,600.0   | 1,595.3             | 1,597.6             | 1,596.9             | 3.3             | 2.8         | -161.58               | 30.5                              | 9.6        | 82.2                 | 76.5                  | 5.64                   | 14.565            |                    |        |
| 1,700.0   | 1,694.8             | 1,697.3             | 1,696.5             | 3.5             | 3.0         | -161.57               | 33.7                              | 11.5       | 89.9                 | 83.9                  | 6.01                   | 14.966            |                    |        |
| 1,800.0   | 1,794.3             | 1,797.0             | 1,796.2             | 3.8             | 3.2         | -161.55               | 36.9                              | 13.4       | 97.6                 | 91.2                  | 6.37                   | 15.320            |                    |        |
| 1,900.0   | 1,893.8             | 1,896.7             | 1,895.8             | 4.0             | 3.4         | -161.54               | 40.1                              | 15.3       | 105.3                | 98.6                  | 6.73                   | 15.636            |                    |        |
| 2,000.0   | 1,993.3             | 1,996.4             | 1,995.4             | 4.3             | 3.6         | -161.53               | 43.4                              | 17.2       | 113.0                | 105.9                 | 7.10                   | 15.919            |                    |        |
| 2,100.0   | 2,092.8             | 2,096.1             | 2,095.1             | 4.5             | 3.8         | -161.52               | 46.6                              | 19.1       | 120.7                | 113.3                 | 7.46                   | 16.174            |                    |        |
| 2,200.0   | 2,192.3             | 2,195.8             | 2,194.7             | 4.8             | 4.0         | -161.51               | 49.8                              | 21.0       | 128.4                | 120.6                 | 7.83                   | 16.405            |                    |        |
| 2,300.0   | 2,291.7             | 2,295.5             | 2,294.3             | 5.0             | 4.1         | -161.51               | 53.0                              | 22.9       | 136.1                | 127.9                 | 8.19                   | 16.615            |                    |        |
| 2,400.0   | 2,391.2             | 2,395.2             | 2,394.0             | 5.3             | 4.3         | -161.50               | 56.2                              | 24.8       | 143.9                | 135.3                 | 8.56                   | 16.807            |                    |        |
| 2,500.0   | 2,490.7             | 2,494.9             | 2,493.6             | 5.5             | 4.5         | -161.50               | 59.5                              | 26.7       | 151.6                | 142.6                 | 8.92                   | 16.983            |                    |        |
| 2,600.0   | 2,590.2             | 2,594.6             | 2,593.2             | 5.7             | 4.7         | -161.49               | 62.7                              | 28.6       | 159.3                | 150.0                 | 9.29                   | 17.145            |                    |        |
| 2,700.0   | 2,689.7             | 2,694.3             | 2,692.9             | 6.0             | 4.9         | -161.49               | 65.9                              | 30.5       | 167.0                | 157.3                 | 9.66                   | 17.295            |                    |        |
| 2,800.0   | 2,789.2             | 2,794.0             | 2,792.5             | 6.2             | 5.1         | -161.48               | 69.1                              | 32.4       | 174.7                | 164.7                 | 10.02                  | 17.434            |                    |        |
| 2,900.0   | 2,888.7             | 2,893.7             | 2,892.1             | 6.5             | 5.2         | -161.48               | 72.3                              | 34.3       | 182.4                | 172.0                 | 10.39                  | 17.563            |                    |        |
| 3,000.0   | 2,988.1             | 2,993.4             | 2,991.8             | 6.7             | 5.4         | -161.47               | 75.6                              | 36.2       | 190.1                | 179.4                 | 10.75                  | 17.683            |                    |        |
| 3,100.0   | 3,087.6             | 3,093.1             | 3,091.4             | 7.0             | 5.6         | -161.47               | 78.8                              | 38.1       | 197.8                | 186.7                 | 11.12                  | 17.795            |                    |        |
| 3,200.0   | 3,187.1             | 3,192.8             | 3,191.0             | 7.2             | 5.8         | -161.47               | 82.0                              | 40.0       | 205.5                | 194.1                 | 11.48                  | 17.900            |                    |        |
| 3,300.0   | 3,286.6             | 3,292.5             | 3,290.7             | 7.5             | 6.0         | -161.47               | 85.2                              | 41.9       | 213.2                | 201.4                 | 11.85                  | 17.998            |                    |        |
| 3,400.0   | 3,386.1             | 3,392.2             | 3,390.3             | 7.7             | 6.2         | -161.46               | 88.4                              | 43.8       | 221.0                | 208.7                 | 12.21                  | 18.090            |                    |        |
| 3,500.0   | 3,485.6             | 3,491.9             | 3,489.9             | 8.0             | 6.4         | -161.46               | 91.7                              | 45.6       | 228.7                | 216.1                 | 12.58                  | 18.177            |                    |        |
| 3,600.0   | 3,585.1             | 3,591.6             | 3,589.6             | 8.2             | 6.5         | -161.46               | 94.9                              | 47.5       | 236.4                | 223.4                 | 12.95                  | 18.259            |                    |        |
| 3,700.0   | 3,684.5             | 3,691.3             | 3,689.2             | 8.5             | 6.7         | -161.46               | 98.1                              | 49.4       | 244.1                | 230.8                 | 13.31                  | 18.337            |                    |        |
| 3,800.0   | 3,784.0             | 3,791.0             | 3,788.8             | 8.7             | 6.9         | -161.45               | 101.3                             | 51.3       | 251.8                | 238.1                 | 13.68                  | 18.410            |                    |        |
| 3,900.0   | 3,883.5             | 3,890.7             | 3,888.4             | 9.0             | 7.1         | -161.45               | 104.5                             | 53.2       | 259.5                | 245.5                 | 14.04                  | 18.480            |                    |        |
| 4,000.0   | 3,983.0             | 3,990.4             | 3,988.1             | 9.2             | 7.3         | -161.45               | 107.8                             | 55.1       | 267.2                | 252.8                 | 14.41                  | 18.546            |                    |        |
| 4,100.0   | 4,082.5             | 4,090.1             | 4,087.7             | 9.5             | 7.5         | -161.45               | 111.0                             | 57.0       | 274.9                | 260.2                 | 14.77                  | 18.608            |                    |        |
| 4,200.0   | 4,182.0             | 4,189.8             | 4,187.3             | 9.7             | 7.7         | -161.45               | 114.2                             | 58.9       | 282.6                | 267.5                 | 15.14                  | 18.668            |                    |        |
| 4,300.0   | 4,281.5             | 4,289.5             | 4,287.0             | 10.0            | 7.8         | -161.45               | 117.4                             | 60.8       | 290.4                | 274.9                 | 15.51                  | 18.725            |                    |        |
| 4,400.0   | 4,380.9             | 4,389.2             | 4,386.6             | 10.2            | 8.0         | -161.44               | 120.6                             | 62.7       | 298.1                | 282.2                 | 15.87                  | 18.779            |                    |        |
| 4,500.0   | 4,480.4             | 4,488.9             | 4,486.2             | 10.5            | 8.2         | -161.44               | 123.9                             | 64.6       | 305.8                | 289.5                 | 16.24                  | 18.831            |                    |        |
| 4,600.0   | 4,579.9             | 4,588.6             | 4,585.9             | 10.7            | 8.4         | -161.44               | 127.1                             | 66.5       | 313.5                | 296.9                 | 16.60                  | 18.880            |                    |        |
| 4,700.0   | 4,679.4             | 4,688.3             | 4,685.5             | 11.0            | 8.6         | -161.44               | 130.3                             | 68.4       | 321.2                | 304.2                 | 16.97                  | 18.927            |                    |        |
| 4,800.0   | 4,778.9             | 4,788.0             | 4,785.1             | 11.2            | 8.8         | -161.44               | 133.5                             | 70.3       | 328.9                | 311.6                 | 17.34                  | 18.972            |                    |        |
| 4,900.0   | 4,878.4             | 4,887.7             | 4,884.8             | 11.5            | 9.0         | -161.44               | 136.7                             | 72.2       | 336.6                | 318.9                 | 17.70                  | 19.016            |                    |        |
| 5,000.0   | 4,977.9             | 4,987.4             | 4,984.4             | 11.7            | 9.1         | -161.44               | 140.0                             | 74.1       | 344.3                | 326.3                 | 18.07                  | 19.057            |                    |        |
| 5,100.0   | 5,077.3             | 5,087.1             | 5,084.0             | 11.9            | 9.3         | -161.44               | 143.2                             | 76.0       | 352.0                | 333.6                 | 18.43                  | 19.097            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2E-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        |                   |                    |        |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning            |        |
| 5,200.0   | 5,176.8             | 5,186.8             | 5,183.7             | 12.2            | 9.5         | -161.43               | 146.4                             | 77.9       | 359.8                | 341.0                 | 18.80                  | 19.136            |                    |        |
| 5,300.0   | 5,276.3             | 5,286.5             | 5,283.3             | 12.4            | 9.7         | -161.43               | 149.6                             | 79.8       | 367.5                | 348.3                 | 19.17                  | 19.173            |                    |        |
| 5,400.0   | 5,375.8             | 5,386.2             | 5,382.9             | 12.7            | 9.9         | -161.43               | 152.8                             | 81.7       | 375.2                | 355.6                 | 19.53                  | 19.208            |                    |        |
| 5,500.0   | 5,475.3             | 5,485.9             | 5,482.6             | 12.9            | 10.1        | -161.43               | 156.1                             | 83.6       | 382.9                | 363.0                 | 19.90                  | 19.242            |                    |        |
| 5,600.0   | 5,574.8             | 5,585.7             | 5,582.2             | 13.2            | 10.3        | -161.43               | 159.3                             | 85.5       | 390.6                | 370.3                 | 20.26                  | 19.275            |                    |        |
| 5,700.0   | 5,674.3             | 5,685.4             | 5,681.8             | 13.4            | 10.4        | -161.43               | 162.5                             | 87.4       | 398.3                | 377.7                 | 20.63                  | 19.307            |                    |        |
| 5,800.0   | 5,773.7             | 5,785.1             | 5,781.5             | 13.7            | 10.6        | -161.43               | 165.7                             | 89.3       | 406.0                | 385.0                 | 21.00                  | 19.338            |                    |        |
| 5,900.0   | 5,873.2             | 5,884.8             | 5,881.1             | 13.9            | 10.8        | -161.43               | 168.9                             | 91.2       | 413.7                | 392.4                 | 21.36                  | 19.367            |                    |        |
| 6,000.0   | 5,972.7             | 5,984.5             | 5,980.7             | 14.2            | 11.0        | -161.43               | 172.2                             | 93.1       | 421.4                | 399.7                 | 21.73                  | 19.396            |                    |        |
| 6,100.0   | 6,072.2             | 6,084.2             | 6,080.4             | 14.4            | 11.2        | -161.43               | 175.4                             | 95.0       | 429.2                | 407.1                 | 22.09                  | 19.424            |                    |        |
| 6,200.0   | 6,171.7             | 6,183.9             | 6,180.0             | 14.7            | 11.4        | -161.43               | 178.6                             | 96.9       | 436.9                | 414.4                 | 22.46                  | 19.450            |                    |        |
| 6,300.0   | 6,271.2             | 6,283.6             | 6,279.6             | 14.9            | 11.6        | -161.43               | 181.8                             | 98.8       | 444.6                | 421.7                 | 22.83                  | 19.476            |                    |        |
| 6,400.0   | 6,370.7             | 6,383.3             | 6,379.3             | 15.2            | 11.7        | -161.43               | 185.0                             | 100.7      | 452.3                | 429.1                 | 23.19                  | 19.501            |                    |        |
| 6,500.0   | 6,470.1             | 6,483.0             | 6,478.9             | 15.4            | 11.9        | -161.43               | 188.3                             | 102.6      | 460.0                | 436.4                 | 23.56                  | 19.526            |                    |        |
| 6,600.0   | 6,569.6             | 6,582.7             | 6,578.5             | 15.7            | 12.1        | -161.42               | 191.5                             | 104.5      | 467.7                | 443.8                 | 23.92                  | 19.549            |                    |        |
| 6,700.0   | 6,669.1             | 6,681.6             | 6,677.3             | 15.9            | 12.3        | -161.92               | 190.5                             | 106.3      | 475.5                | 451.2                 | 24.22                  | 19.527            |                    |        |
| 6,800.0   | 6,768.6             | 6,776.4             | 6,770.6             | 16.2            | 12.3        | -164.19               | 174.5                             | 108.0      | 483.9                | 459.6                 | 24.35                  | 19.874            |                    |        |
| 6,900.0   | 6,868.1             | 6,863.5             | 6,853.0             | 16.4            | 12.4        | 145.32                | 146.3                             | 109.3      | 494.7                | 470.3                 | 24.37                  | 20.299            |                    |        |
| 7,000.0   | 6,966.6             | 6,946.2             | 6,926.4             | 16.6            | 12.4        | 101.78                | 108.3                             | 110.3      | 507.3                | 482.9                 | 24.42                  | 20.775            |                    |        |
| 7,100.0   | 7,061.2             | 7,026.0             | 6,991.3             | 16.7            | 12.4        | 88.48                 | 62.1                              | 111.1      | 520.7                | 496.1                 | 24.59                  | 21.181            |                    |        |
| 7,200.0   | 7,149.1             | 7,100.0             | 7,045.2             | 16.8            | 12.5        | 81.38                 | 11.5                              | 111.7      | 534.0                | 509.2                 | 24.84                  | 21.499            |                    |        |
| 7,300.0   | 7,227.6             | 7,179.2             | 7,095.2             | 16.9            | 12.7        | 76.52                 | -49.9                             | 112.1      | 546.3                | 521.1                 | 25.20                  | 21.681            |                    |        |
| 7,400.0   | 7,294.3             | 7,250.0             | 7,132.3             | 17.1            | 13.0        | 73.20                 | -110.1                            | 112.3      | 556.9                | 531.3                 | 25.59                  | 21.763            |                    |        |
| 7,500.0   | 7,347.2             | 7,326.9             | 7,163.9             | 17.4            | 13.4        | 70.80                 | -180.2                            | 112.2      | 565.2                | 539.1                 | 26.11                  | 21.649            |                    |        |
| 7,600.0   | 7,384.7             | 7,400.0             | 7,185.0             | 17.9            | 13.9        | 69.31                 | -250.1                            | 112.0      | 570.8                | 544.1                 | 26.73                  | 21.359            |                    |        |
| 7,700.0   | 7,405.6             | 7,472.0             | 7,196.9             | 18.5            | 14.5        | 68.58                 | -321.1                            | 111.6      | 573.5                | 546.0                 | 27.53                  | 20.837            |                    |        |
| 7,800.0   | 7,410.0             | 7,549.2             | 7,200.0             | 19.2            | 15.2        | 68.52                 | -398.2                            | 111.0      | 573.4                | 544.7                 | 28.72                  | 19.966            |                    |        |
| 7,900.0   | 7,410.0             | 7,649.2             | 7,200.0             | 20.0            | 16.3        | 68.50                 | -498.2                            | 110.1      | 573.0                | 542.3                 | 30.71                  | 18.660            |                    |        |
| 8,000.0   | 7,410.0             | 7,749.2             | 7,200.0             | 21.0            | 17.5        | 68.48                 | -598.2                            | 109.3      | 572.5                | 539.6                 | 32.89                  | 17.408            |                    |        |
| 8,100.0   | 7,410.0             | 7,849.2             | 7,200.0             | 22.1            | 18.7        | 68.46                 | -698.2                            | 108.4      | 572.0                | 536.8                 | 35.23                  | 16.234            |                    |        |
| 8,200.0   | 7,410.0             | 7,949.2             | 7,200.0             | 23.2            | 20.0        | 68.44                 | -798.2                            | 107.5      | 571.5                | 533.8                 | 37.72                  | 15.152            |                    |        |
| 8,300.0   | 7,410.0             | 8,049.2             | 7,200.0             | 24.4            | 21.4        | 68.42                 | -898.2                            | 106.6      | 571.0                | 530.7                 | 40.31                  | 14.165            |                    |        |
| 8,400.0   | 7,410.0             | 8,149.2             | 7,200.0             | 25.7            | 22.9        | 68.40                 | -998.2                            | 105.8      | 570.5                | 527.5                 | 43.00                  | 13.269            |                    |        |
| 8,500.0   | 7,410.0             | 8,249.2             | 7,200.0             | 27.0            | 24.4        | 68.38                 | -1,098.2                          | 104.9      | 570.0                | 524.3                 | 45.76                  | 12.458            |                    |        |
| 8,600.0   | 7,410.0             | 8,349.2             | 7,200.0             | 28.4            | 25.9        | 68.36                 | -1,198.2                          | 104.0      | 569.6                | 521.0                 | 48.58                  | 11.725            |                    |        |
| 8,700.0   | 7,410.0             | 8,449.2             | 7,200.0             | 29.8            | 27.4        | 68.34                 | -1,298.1                          | 103.2      | 569.1                | 517.6                 | 51.45                  | 11.061            |                    |        |
| 8,800.0   | 7,410.0             | 8,549.2             | 7,200.0             | 31.3            | 29.0        | 68.32                 | -1,398.1                          | 102.3      | 568.6                | 514.2                 | 54.36                  | 10.459            |                    |        |
| 8,900.0   | 7,410.0             | 8,649.2             | 7,200.0             | 32.7            | 30.6        | 68.31                 | -1,498.1                          | 101.4      | 568.1                | 510.8                 | 57.32                  | 9.912             |                    |        |
| 9,000.0   | 7,410.0             | 8,749.2             | 7,200.0             | 34.3            | 32.2        | 68.29                 | -1,598.1                          | 100.5      | 567.6                | 507.3                 | 60.30                  | 9.413             |                    |        |
| 9,100.0   | 7,410.0             | 8,849.2             | 7,200.0             | 35.8            | 33.8        | 68.27                 | -1,698.1                          | 99.7       | 567.1                | 503.8                 | 63.31                  | 8.958             |                    |        |
| 9,200.0   | 7,410.0             | 8,949.2             | 7,200.0             | 37.3            | 35.5        | 68.25                 | -1,798.1                          | 98.8       | 566.6                | 500.3                 | 66.34                  | 8.542             |                    |        |
| 9,300.0   | 7,410.0             | 9,049.2             | 7,200.0             | 38.9            | 37.1        | 68.23                 | -1,898.1                          | 97.9       | 566.1                | 496.8                 | 69.39                  | 8.159             |                    |        |
| 9,400.0   | 7,410.0             | 9,149.2             | 7,200.0             | 40.5            | 38.8        | 68.21                 | -1,998.1                          | 97.0       | 565.7                | 493.2                 | 72.45                  | 7.807             |                    |        |
| 9,500.0   | 7,410.0             | 9,249.2             | 7,200.0             | 42.1            | 40.4        | 68.19                 | -2,098.1                          | 96.2       | 565.2                | 489.6                 | 75.54                  | 7.482             |                    |        |
| 9,600.0   | 7,410.0             | 9,349.2             | 7,200.0             | 43.7            | 42.1        | 68.17                 | -2,198.1                          | 95.3       | 564.7                | 486.1                 | 78.63                  | 7.182             |                    |        |
| 9,700.0   | 7,410.0             | 9,449.2             | 7,200.0             | 45.3            | 43.8        | 68.15                 | -2,298.1                          | 94.4       | 564.2                | 482.5                 | 81.74                  | 6.903             |                    |        |
| 9,800.0   | 7,410.0             | 9,549.2             | 7,200.0             | 46.9            | 45.5        | 68.13                 | -2,398.1                          | 93.6       | 563.7                | 478.9                 | 84.85                  | 6.644             |                    |        |
| 9,900.0   | 7,410.0             | 9,649.2             | 7,200.0             | 48.6            | 47.1        | 68.11                 | -2,498.1                          | 92.7       | 563.2                | 475.3                 | 87.98                  | 6.402             |                    |        |
| 10,000.0  | 7,410.0             | 9,749.2             | 7,200.0             | 50.2            | 48.8        | 68.09                 | -2,598.1                          | 91.8       | 562.7                | 471.6                 | 91.11                  | 6.177             |                    |        |
| 10,100.0  | 7,410.0             | 9,849.2             | 7,200.0             | 51.9            | 50.5        | 68.07                 | -2,698.1                          | 90.9       | 562.3                | 468.0                 | 94.25                  | 5.966             |                    |        |
| 10,200.0  | 7,410.0             | 9,949.2             | 7,200.0             | 53.5            | 52.2        | 68.05                 | -2,798.1                          | 90.1       | 561.8                | 464.4                 | 97.39                  | 5.768             |                    |        |
| 10,300.0  | 7,410.0             | 10,049.2            | 7,200.0             | 55.2            | 53.9        | 68.03                 | -2,898.1                          | 89.2       | 561.3                | 460.7                 | 100.54                 | 5.583             |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 0-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| Reference             |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| Offset                |                     |                     |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        |                   |                    |        |        |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis | Separation Factor | Warning            |        |        |
| 10,400.0              | 7,410.0             | 10,149.2            | 7,200.0             | 56.9            | 55.6        | 68.01                 | -2,998.1                          | 88.3       | 560.8                | 457.1                 | 103.70                 | 5.408             |                    |        |        |
| 10,500.0              | 7,410.0             | 10,249.2            | 7,200.0             | 58.5            | 57.4        | 67.99                 | -3,098.1                          | 87.5       | 560.3                | 453.5                 | 106.86                 | 5.244             |                    |        |        |
| 10,600.0              | 7,410.0             | 10,349.2            | 7,200.0             | 60.2            | 59.1        | 67.97                 | -3,198.0                          | 86.6       | 559.8                | 449.8                 | 110.02                 | 5.088             |                    |        |        |
| 10,700.0              | 7,410.0             | 10,449.2            | 7,200.0             | 61.9            | 60.8        | 67.95                 | -3,298.0                          | 85.7       | 559.3                | 446.2                 | 113.19                 | 4.942             |                    |        |        |
| 10,800.0              | 7,410.0             | 10,549.2            | 7,200.0             | 63.6            | 62.5        | 67.93                 | -3,398.0                          | 84.8       | 558.9                | 442.5                 | 116.36                 | 4.803             |                    |        |        |
| 10,900.0              | 7,410.0             | 10,649.2            | 7,200.0             | 65.3            | 64.2        | 67.91                 | -3,498.0                          | 84.0       | 558.4                | 438.8                 | 119.53                 | 4.671             |                    |        |        |
| 11,000.0              | 7,410.0             | 10,749.2            | 7,200.0             | 67.0            | 65.9        | 67.89                 | -3,598.0                          | 83.1       | 557.9                | 435.2                 | 122.71                 | 4.546             |                    |        |        |
| 11,100.0              | 7,410.0             | 10,849.2            | 7,200.0             | 68.7            | 67.7        | 67.87                 | -3,698.0                          | 82.2       | 557.4                | 431.5                 | 125.89                 | 4.428             |                    |        |        |
| 11,200.0              | 7,410.0             | 10,949.2            | 7,200.0             | 70.4            | 69.4        | 67.85                 | -3,798.0                          | 81.3       | 556.9                | 427.9                 | 129.07                 | 4.315             |                    |        |        |
| 11,300.0              | 7,410.0             | 11,049.2            | 7,200.0             | 72.1            | 71.1        | 67.83                 | -3,898.0                          | 80.5       | 556.4                | 424.2                 | 132.25                 | 4.208             |                    |        |        |
| 11,400.0              | 7,410.0             | 11,149.2            | 7,200.0             | 73.8            | 72.8        | 67.81                 | -3,998.0                          | 79.6       | 555.9                | 420.5                 | 135.43                 | 4.105             |                    |        |        |
| 11,500.0              | 7,410.0             | 11,249.2            | 7,200.0             | 75.5            | 74.6        | 67.79                 | -4,098.0                          | 78.7       | 555.5                | 416.9                 | 138.61                 | 4.007             |                    |        |        |
| 11,600.0              | 7,410.0             | 11,349.2            | 7,200.0             | 77.2            | 76.3        | 67.77                 | -4,198.0                          | 77.9       | 555.0                | 413.2                 | 141.80                 | 3.914             |                    |        |        |
| 11,700.0              | 7,410.0             | 11,449.2            | 7,200.0             | 78.9            | 78.0        | 67.75                 | -4,298.0                          | 77.0       | 554.5                | 409.5                 | 144.99                 | 3.824             |                    |        |        |
| 11,800.0              | 7,410.0             | 11,549.2            | 7,200.0             | 80.6            | 79.8        | 67.72                 | -4,398.0                          | 76.1       | 554.0                | 405.8                 | 148.17                 | 3.739             |                    |        |        |
| 11,900.0              | 7,410.0             | 11,649.2            | 7,200.0             | 82.3            | 81.5        | 67.70                 | -4,498.0                          | 75.2       | 553.5                | 402.2                 | 151.36                 | 3.657             |                    |        |        |
| 12,000.0              | 7,410.0             | 11,749.2            | 7,200.0             | 84.0            | 83.2        | 67.68                 | -4,598.0                          | 74.4       | 553.0                | 398.5                 | 154.55                 | 3.578             |                    |        |        |
| 12,100.0              | 7,410.0             | 11,849.2            | 7,200.0             | 85.8            | 85.0        | 67.66                 | -4,698.0                          | 73.5       | 552.6                | 394.8                 | 157.74                 | 3.503             |                    |        |        |
| 12,200.0              | 7,410.0             | 11,949.2            | 7,200.0             | 87.5            | 86.7        | 67.64                 | -4,798.0                          | 72.6       | 552.1                | 391.1                 | 160.93                 | 3.430             |                    |        |        |
| 12,300.0              | 7,410.0             | 12,049.2            | 7,200.0             | 89.2            | 88.4        | 67.62                 | -4,898.0                          | 71.7       | 551.6                | 387.5                 | 164.12                 | 3.361             |                    |        |        |
| 12,400.0              | 7,410.0             | 12,149.2            | 7,200.0             | 90.9            | 90.2        | 67.60                 | -4,998.0                          | 70.9       | 551.1                | 383.8                 | 167.31                 | 3.294             |                    |        |        |
| 12,500.0              | 7,410.0             | 12,249.2            | 7,200.0             | 92.7            | 91.9        | 67.58                 | -5,097.9                          | 70.0       | 550.6                | 380.1                 | 170.51                 | 3.229             |                    |        |        |
| 12,600.0              | 7,410.0             | 12,349.2            | 7,200.0             | 94.4            | 93.6        | 67.56                 | -5,197.9                          | 69.1       | 550.1                | 376.4                 | 173.70                 | 3.167             |                    |        |        |
| 12,700.0              | 7,410.0             | 12,449.2            | 7,200.0             | 96.1            | 95.4        | 67.54                 | -5,297.9                          | 68.3       | 549.7                | 372.8                 | 176.89                 | 3.107             |                    |        |        |
| 12,800.0              | 7,410.0             | 12,549.2            | 7,200.0             | 97.8            | 97.1        | 67.52                 | -5,397.9                          | 67.4       | 549.2                | 369.1                 | 180.08                 | 3.050             |                    |        |        |
| 12,900.0              | 7,410.0             | 12,649.2            | 7,200.0             | 99.6            | 98.9        | 67.50                 | -5,497.9                          | 66.5       | 548.7                | 365.4                 | 183.27                 | 2.994             |                    |        |        |
| 13,000.0              | 7,410.0             | 12,749.2            | 7,200.0             | 101.3           | 100.6       | 67.48                 | -5,597.9                          | 65.6       | 548.2                | 361.7                 | 186.46                 | 2.940             |                    |        |        |
| 13,100.0              | 7,410.0             | 12,849.2            | 7,200.0             | 103.0           | 102.3       | 67.45                 | -5,697.9                          | 64.8       | 547.7                | 358.1                 | 189.65                 | 2.888             |                    |        |        |
| 13,200.0              | 7,410.0             | 12,949.2            | 7,200.0             | 104.7           | 104.1       | 67.43                 | -5,797.9                          | 63.9       | 547.2                | 354.4                 | 192.85                 | 2.838             |                    |        |        |
| 13,300.0              | 7,410.0             | 13,049.2            | 7,200.0             | 106.5           | 105.8       | 67.41                 | -5,897.9                          | 63.0       | 546.8                | 350.7                 | 196.04                 | 2.789             |                    |        |        |
| 13,400.0              | 7,410.0             | 13,149.2            | 7,200.0             | 108.2           | 107.6       | 67.39                 | -5,997.9                          | 62.1       | 546.3                | 347.0                 | 199.23                 | 2.742             |                    |        |        |
| 13,500.0              | 7,410.0             | 13,249.2            | 7,200.0             | 109.9           | 109.3       | 67.37                 | -6,097.9                          | 61.3       | 545.8                | 343.4                 | 202.42                 | 2.696             |                    |        |        |
| 13,600.0              | 7,410.0             | 13,349.2            | 7,200.0             | 111.7           | 111.1       | 67.35                 | -6,197.9                          | 60.4       | 545.3                | 339.7                 | 205.61                 | 2.652             |                    |        |        |
| 13,700.0              | 7,410.0             | 13,449.2            | 7,200.0             | 113.4           | 112.8       | 67.33                 | -6,297.9                          | 59.5       | 544.8                | 336.0                 | 208.80                 | 2.609             |                    |        |        |
| 13,800.0              | 7,410.0             | 13,549.2            | 7,200.0             | 115.1           | 114.5       | 67.31                 | -6,397.9                          | 58.7       | 544.3                | 332.4                 | 211.99                 | 2.568             |                    |        |        |
| 13,900.0              | 7,410.0             | 13,649.2            | 7,200.0             | 116.9           | 116.3       | 67.29                 | -6,497.9                          | 57.8       | 543.9                | 328.7                 | 215.17                 | 2.528             |                    |        |        |
| 14,000.0              | 7,410.0             | 13,749.2            | 7,200.0             | 118.6           | 118.0       | 67.26                 | -6,597.9                          | 56.9       | 543.4                | 325.0                 | 218.36                 | 2.488             |                    |        |        |
| 14,100.0              | 7,410.0             | 13,849.2            | 7,200.0             | 120.3           | 119.8       | 67.24                 | -6,697.9                          | 56.0       | 542.9                | 321.3                 | 221.55                 | 2.450             |                    |        |        |
| 14,111.4              | 7,410.0             | 13,860.6            | 7,200.0             | 120.5           | 120.0       | 67.24                 | -6,709.3                          | 55.9       | 542.8                | 320.9                 | 221.91                 | 2.446 SF          |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                  |          | Offset Site Error: | 0.0 ft |          |  |       |            |         |
|-----------------------|---------------------|---------------------|---------------------|----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|----------|--------------------|--------|----------|--|-------|------------|---------|
| Survey Program: 0-MWD |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                  |          | Offset Well Error: |        | 0.0 ft   |  |       |            |         |
| Reference             |                     |                     |                     |                |             |                       |                                   |            |                      |                       |                  |          | 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                 | 11.0                | 11.0                | 0.0            | 0.0         | 89.98                 | 0.0                               | 11.2       | 11.2                 |                       |                  |          |                    |        |          |  |       |            |         |
| 100.0                 | 100.0               | 111.0               | 111.0               | 0.2            | 0.2         | 89.98                 | 0.0                               | 11.2       | 11.2                 | 10.9                  | 0.30             | 36.822   |                    |        |          |  |       |            |         |
| 200.0                 | 200.0               | 211.0               | 211.0               | 0.3            | 0.3         | 89.98                 | 0.0                               | 11.2       | 11.2                 | 10.5                  | 0.65             | 17.131   |                    |        |          |  |       |            |         |
| 300.0                 | 300.0               | 311.0               | 311.0               | 0.5            | 0.5         | 89.98                 | 0.0                               | 11.2       | 11.2                 | 10.2                  | 1.00             | 11.162   |                    |        |          |  |       |            |         |
| 362.5                 | 362.5               | 373.5               | 373.5               | 0.6            | 0.6         | 89.98                 | 0.0                               | 11.2       | 11.2                 | 10.0                  | 1.22             | 9.165 CC |                    |        |          |  |       |            |         |
| 400.0                 | 400.0               | 411.0               | 411.0               | 0.7            | 0.7         | 89.95                 | 0.0                               | 11.2       | 11.2                 | 9.9                   | 1.35             | 8.292 ES |                    |        |          |  |       |            |         |
| 500.0                 | 500.0               | 510.5               | 510.5               | 0.8            | 0.9         | 87.91                 | 0.5                               | 13.3       | 13.3                 | 11.6                  | 1.70             | 7.801    |                    |        |          |  |       |            |         |
| 600.0                 | 600.0               | 609.9               | 609.7               | 1.0            | 1.0         | 14.46                 | 1.7                               | 18.7       | 17.1                 | 15.1                  | 2.05             | 8.354    |                    |        |          |  |       |            |         |
| 700.0                 | 699.8               | 709.2               | 708.6               | 1.2            | 1.3         | 14.14                 | 3.8                               | 27.4       | 21.0                 | 18.6                  | 2.40             | 8.760    |                    |        |          |  |       |            |         |
| 800.0                 | 799.5               | 808.3               | 807.0               | 1.4            | 1.5         | 14.65                 | 6.5                               | 39.5       | 24.9                 | 22.2                  | 2.74             | 9.077    |                    |        |          |  |       |            |         |
| 900.0                 | 898.9               | 908.1               | 905.7               | 1.6            | 1.8         | 15.09                 | 9.8                               | 53.6       | 29.5                 | 26.4                  | 3.10             | 9.513    |                    |        |          |  |       |            |         |
| 1,000.0               | 998.4               | 1,008.0             | 1,004.5             | 1.9            | 2.1         | 15.41                 | 13.1                              | 67.8       | 34.1                 | 30.7                  | 3.46             | 9.861    |                    |        |          |  |       |            |         |
| 1,100.0               | 1,097.9             | 1,107.9             | 1,103.4             | 2.1            | 2.4         | 15.65                 | 16.4                              | 82.0       | 38.7                 | 34.9                  | 3.82             | 10.140   |                    |        |          |  |       |            |         |
| 1,200.0               | 1,197.4             | 1,207.8             | 1,202.2             | 2.3            | 2.6         | 15.84                 | 19.6                              | 96.2       | 43.3                 | 39.2                  | 4.18             | 10.369   |                    |        |          |  |       |            |         |
| 1,300.0               | 1,296.9             | 1,307.7             | 1,301.0             | 2.6            | 2.9         | 16.00                 | 22.9                              | 110.3      | 48.0                 | 43.4                  | 4.54             | 10.560   |                    |        |          |  |       |            |         |
| 1,400.0               | 1,396.4             | 1,407.6             | 1,399.8             | 2.8            | 3.2         | 16.13                 | 26.2                              | 124.5      | 52.6                 | 47.7                  | 4.90             | 10.722   |                    |        |          |  |       |            |         |
| 1,500.0               | 1,495.9             | 1,507.5             | 1,498.7             | 3.1            | 3.5         | 16.23                 | 29.5                              | 138.7      | 57.2                 | 51.9                  | 5.26             | 10.860   |                    |        |          |  |       |            |         |
| 1,600.0               | 1,595.3             | 1,607.4             | 1,597.5             | 3.3            | 3.9         | 16.32                 | 32.7                              | 152.9      | 61.8                 | 56.2                  | 5.63             | 10.980   |                    |        |          |  |       |            |         |
| 1,700.0               | 1,694.8             | 1,707.3             | 1,696.3             | 3.5            | 4.2         | 16.40                 | 36.0                              | 167.0      | 66.4                 | 60.4                  | 5.99             | 11.085   |                    |        |          |  |       |            |         |
| 1,800.0               | 1,794.3             | 1,807.2             | 1,795.2             | 3.8            | 4.5         | 16.47                 | 39.3                              | 181.2      | 71.0                 | 64.7                  | 6.35             | 11.178   |                    |        |          |  |       |            |         |
| 1,900.0               | 1,893.8             | 1,907.1             | 1,894.0             | 4.0            | 4.8         | 16.53                 | 42.6                              | 195.4      | 75.6                 | 68.9                  | 6.72             | 11.260   |                    |        |          |  |       |            |         |
| 2,000.0               | 1,993.3             | 2,007.0             | 1,992.8             | 4.3            | 5.1         | 16.58                 | 45.8                              | 209.5      | 80.2                 | 73.2                  | 7.08             | 11.333   |                    |        |          |  |       |            |         |
| 2,100.0               | 2,092.8             | 2,106.9             | 2,091.6             | 4.5            | 5.4         | 16.63                 | 49.1                              | 223.7      | 84.9                 | 77.4                  | 7.44             | 11.399   |                    |        |          |  |       |            |         |
| 2,200.0               | 2,192.3             | 2,206.8             | 2,190.5             | 4.8            | 5.7         | 16.67                 | 52.4                              | 237.9      | 89.5                 | 81.7                  | 7.81             | 11.459   |                    |        |          |  |       |            |         |
| 2,300.0               | 2,291.7             | 2,306.7             | 2,289.3             | 5.0            | 6.0         | 16.71                 | 55.7                              | 252.1      | 94.1                 | 85.9                  | 8.17             | 11.513   |                    |        |          |  |       |            |         |
| 2,400.0               | 2,391.2             | 2,406.5             | 2,388.1             | 5.3            | 6.3         | 16.74                 | 58.9                              | 266.2      | 98.7                 | 90.2                  | 8.54             | 11.563   |                    |        |          |  |       |            |         |
| 2,500.0               | 2,490.7             | 2,506.4             | 2,487.0             | 5.5            | 6.6         | 16.77                 | 62.2                              | 280.4      | 103.3                | 94.4                  | 8.90             | 11.608   |                    |        |          |  |       |            |         |
| 2,600.0               | 2,590.2             | 2,606.3             | 2,585.8             | 5.7            | 6.9         | 16.80                 | 65.5                              | 294.6      | 107.9                | 98.7                  | 9.26             | 11.650   |                    |        |          |  |       |            |         |
| 2,700.0               | 2,689.7             | 2,706.2             | 2,684.6             | 6.0            | 7.2         | 16.83                 | 68.8                              | 308.8      | 112.5                | 102.9                 | 9.63             | 11.688   |                    |        |          |  |       |            |         |
| 2,800.0               | 2,789.2             | 2,806.1             | 2,783.4             | 6.2            | 7.5         | 16.85                 | 72.0                              | 322.9      | 117.2                | 107.2                 | 9.99             | 11.723   |                    |        |          |  |       |            |         |
| 2,900.0               | 2,888.7             | 2,906.0             | 2,882.3             | 6.5            | 7.8         | 16.88                 | 75.3                              | 337.1      | 121.8                | 111.4                 | 10.36            | 11.756   |                    |        |          |  |       |            |         |
| 3,000.0               | 2,988.1             | 3,005.9             | 2,981.1             | 6.7            | 8.2         | 16.90                 | 78.6                              | 351.3      | 126.4                | 115.7                 | 10.72            | 11.787   |                    |        |          |  |       |            |         |
| 3,100.0               | 3,087.6             | 3,105.8             | 3,079.9             | 7.0            | 8.5         | 16.92                 | 81.9                              | 365.5      | 131.0                | 119.9                 | 11.09            | 11.815   |                    |        |          |  |       |            |         |
| 3,200.0               | 3,187.1             | 3,205.7             | 3,178.8             | 7.2            | 8.8         | 16.93                 | 85.1                              | 379.6      | 135.6                | 124.2                 | 11.45            | 11.842   |                    |        |          |  |       |            |         |
| 3,300.0               | 3,286.6             | 3,305.6             | 3,277.6             | 7.5            | 9.1         | 16.95                 | 88.4                              | 393.8      | 140.2                | 128.4                 | 11.82            | 11.867   |                    |        |          |  |       |            |         |
| 3,400.0               | 3,386.1             | 3,405.5             | 3,376.4             | 7.7            | 9.4         | 16.97                 | 91.7                              | 408.0      | 144.8                | 132.7                 | 12.18            | 11.890   |                    |        |          |  |       |            |         |
| 3,500.0               | 3,485.6             | 3,505.4             | 3,475.2             | 8.0            | 9.7         | 16.98                 | 95.0                              | 422.2      | 149.4                | 136.9                 | 12.55            | 11.913   |                    |        |          |  |       |            |         |
| 3,600.0               | 3,585.1             | 3,605.3             | 3,574.1             | 8.2            | 10.0        | 16.99                 | 98.2                              | 436.3      | 154.1                | 141.2                 | 12.91            | 11.933   |                    |        |          |  |       |            |         |
| 3,700.0               | 3,684.5             | 3,705.2             | 3,672.9             | 8.5            | 10.3        | 17.01                 | 101.5                             | 450.5      | 158.7                | 145.4                 | 13.27            | 11.953   |                    |        |          |  |       |            |         |
| 3,800.0               | 3,784.0             | 3,805.1             | 3,771.7             | 8.7            | 10.6        | 17.02                 | 104.8                             | 464.7      | 163.3                | 149.6                 | 13.64            | 11.971   |                    |        |          |  |       |            |         |
| 3,900.0               | 3,883.5             | 3,905.0             | 3,870.6             | 9.0            | 10.9        | 17.03                 | 108.1                             | 478.9      | 167.9                | 153.9                 | 14.00            | 11.989   |                    |        |          |  |       |            |         |
| 4,000.0               | 3,983.0             | 4,004.8             | 3,969.4             | 9.2            | 11.2        | 17.04                 | 111.3                             | 493.0      | 172.5                | 158.1                 | 14.37            | 12.006   |                    |        |          |  |       |            |         |
| 4,100.0               | 4,082.5             | 4,104.7             | 4,068.2             | 9.5            | 11.6        | 17.05                 | 114.6                             | 507.2      | 177.1                | 162.4                 | 14.73            | 12.022   |                    |        |          |  |       |            |         |
| 4,200.0               | 4,182.0             | 4,204.6             | 4,167.0             | 9.7            | 11.9        | 17.06                 | 117.9                             | 521.4      | 181.7                | 166.6                 | 15.10            | 12.037   |                    |        |          |  |       |            |         |
| 4,300.0               | 4,281.5             | 4,304.5             | 4,265.9             | 10.0           | 12.2        | 17.07                 | 121.2                             | 535.5      | 186.4                | 170.9                 | 15.46            | 12.051   |                    |        |          |  |       |            |         |
| 4,400.0               | 4,380.9             | 4,404.4             | 4,364.7             | 10.2           | 12.5        | 17.08                 | 124.4                             | 549.7      | 191.0                | 175.1                 | 15.83            | 12.064   |                    |        |          |  |       |            |         |
| 4,500.0               | 4,480.4             | 4,504.3             | 4,463.5             | 10.5           | 12.8        | 17.09                 | 127.7                             | 563.9      | 195.6                | 179.4                 | 16.19            | 12.077   |                    |        |          |  |       |            |         |
| 4,600.0               | 4,579.9             | 4,604.2             | 4,562.4             | 10.7           | 13.1        | 17.10                 | 131.0                             | 578.1      | 200.2                | 183.6                 | 16.56            | 12.090   |                    |        |          |  |       |            |         |
| 4,700.0               | 4,679.4             | 4,704.1             | 4,661.2             | 11.0           | 13.4        | 17.11                 | 134.3                             | 592.2      | 204.8                | 187.9                 | 16.92            | 12.102   |                    |        |          |  |       |            |         |
| 4,800.0               | 4,778.9             | 4,804.0             | 4,760.0             | 11.2           | 13.7        | 17.11                 | 137.5                             | 606.4      | 209.4                | 192.1                 | 17.29            | 12.113   |                    |        |          |  |       |            |         |
| 4,900.0               | 4,878.4             | 4,903.9             | 4,858.8             | 11.5           | 14.0        | 17.12                 | 140.8                             | 620.6      | 214.0                | 196.4                 | 17.65            | 12.124   |                    |        |          |  |       |            |         |
| 5,000.0               | 4,977.9             | 5,003.8             | 4,957.7             | 11.7           | 14.3        | 17.13                 | 144.1                             | 634.8      | 218.7                | 200.6                 | 18.02            | 12.134   |                    |        |          |  |       |            |         |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2G-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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   | 5,077.3             | 5,103.7             | 5,056.5             | 11.9            | 14.6        | 17.13                 | 147.4                             | 648.9      | 223.3                | 204.9                 | 18.38                  | 12.144            |                    |        |
| 5,200.0   | 5,176.8             | 5,203.6             | 5,155.3             | 12.2            | 15.0        | 17.14                 | 150.6                             | 663.1      | 227.9                | 209.1                 | 18.75                  | 12.154            |                    |        |
| 5,300.0   | 5,276.3             | 5,303.5             | 5,254.2             | 12.4            | 15.3        | 17.15                 | 153.9                             | 677.3      | 232.5                | 213.4                 | 19.11                  | 12.163            |                    |        |
| 5,400.0   | 5,375.8             | 5,403.4             | 5,353.0             | 12.7            | 15.6        | 17.15                 | 157.2                             | 691.5      | 237.1                | 217.6                 | 19.48                  | 12.172            |                    |        |
| 5,500.0   | 5,475.3             | 5,503.2             | 5,451.8             | 12.9            | 15.9        | 17.16                 | 160.5                             | 705.6      | 241.7                | 221.9                 | 19.84                  | 12.181            |                    |        |
| 5,600.0   | 5,574.8             | 5,603.1             | 5,550.6             | 13.2            | 16.2        | 17.16                 | 163.7                             | 719.8      | 246.3                | 226.1                 | 20.21                  | 12.189            |                    |        |
| 5,700.0   | 5,674.3             | 5,703.0             | 5,649.5             | 13.4            | 16.5        | 17.17                 | 167.0                             | 734.0      | 251.0                | 230.4                 | 20.57                  | 12.197            |                    |        |
| 5,800.0   | 5,773.7             | 5,802.9             | 5,748.3             | 13.7            | 16.8        | 17.17                 | 170.3                             | 748.2      | 255.6                | 234.6                 | 20.94                  | 12.205            |                    |        |
| 5,900.0   | 5,873.2             | 5,902.8             | 5,847.1             | 13.9            | 17.1        | 17.18                 | 173.6                             | 762.3      | 260.2                | 238.9                 | 21.30                  | 12.212            |                    |        |
| 6,000.0   | 5,972.7             | 6,002.7             | 5,946.0             | 14.2            | 17.4        | 17.18                 | 176.8                             | 776.5      | 264.8                | 243.1                 | 21.67                  | 12.219            |                    |        |
| 6,100.0   | 6,072.2             | 6,102.6             | 6,044.8             | 14.4            | 17.7        | 17.19                 | 180.1                             | 790.7      | 269.4                | 247.4                 | 22.04                  | 12.226            |                    |        |
| 6,200.0   | 6,171.7             | 6,202.5             | 6,143.6             | 14.7            | 18.1        | 17.19                 | 183.4                             | 804.9      | 274.0                | 251.6                 | 22.40                  | 12.233            |                    |        |
| 6,300.0   | 6,271.2             | 6,302.4             | 6,242.4             | 14.9            | 18.4        | 17.20                 | 186.7                             | 819.0      | 278.6                | 255.9                 | 22.77                  | 12.239            |                    |        |
| 6,400.0   | 6,370.7             | 6,402.3             | 6,341.3             | 15.2            | 18.7        | 17.20                 | 189.9                             | 833.2      | 283.2                | 260.1                 | 23.13                  | 12.246            |                    |        |
| 6,500.0   | 6,470.1             | 6,502.2             | 6,440.1             | 15.4            | 19.0        | 17.20                 | 193.2                             | 847.4      | 287.9                | 264.4                 | 23.50                  | 12.252            |                    |        |
| 6,600.0   | 6,569.6             | 6,602.1             | 6,538.9             | 15.7            | 19.3        | 17.21                 | 196.5                             | 861.6      | 292.5                | 268.6                 | 23.86                  | 12.257            |                    |        |
| 6,700.0   | 6,669.1             | 6,702.2             | 6,638.0             | 15.9            | 19.6        | 17.31                 | 199.3                             | 875.8      | 297.1                | 272.8                 | 24.23                  | 12.259            |                    |        |
| 6,800.0   | 6,768.6             | 6,801.2             | 6,735.4             | 16.2            | 19.9        | 19.71                 | 189.9                             | 889.7      | 301.7                | 276.9                 | 24.62                  | 12.157            |                    |        |
| 6,900.0   | 6,868.1             | 6,893.9             | 6,824.0             | 16.4            | 20.0        | -21.82                | 165.8                             | 902.4      | 308.3                | 282.6                 | 25.72                  | 11.987            |                    |        |
| 7,000.0   | 6,966.6             | 6,982.3             | 6,903.7             | 16.6            | 20.2        | -55.78                | 129.7                             | 913.9      | 317.4                | 290.9                 | 26.48                  | 11.984            |                    |        |
| 7,100.0   | 7,061.2             | 7,067.6             | 6,974.6             | 16.7            | 20.4        | -60.55                | 83.6                              | 924.0      | 328.1                | 301.3                 | 26.81                  | 12.237            |                    |        |
| 7,200.0   | 7,149.1             | 7,150.0             | 7,036.0             | 16.8            | 20.5        | -60.38                | 29.4                              | 932.8      | 339.5                | 312.8                 | 26.63                  | 12.746            |                    |        |
| 7,300.0   | 7,227.6             | 7,231.2             | 7,088.3             | 16.9            | 20.7        | -59.02                | -32.2                             | 940.3      | 350.6                | 324.6                 | 26.04                  | 13.467            |                    |        |
| 7,400.0   | 7,294.3             | 7,310.4             | 7,130.5             | 17.1            | 21.0        | -57.52                | -98.9                             | 946.4      | 360.8                | 335.6                 | 25.24                  | 14.296            |                    |        |
| 7,500.0   | 7,347.2             | 7,388.5             | 7,162.9             | 17.4            | 21.3        | -56.23                | -169.8                            | 951.0      | 369.5                | 344.8                 | 24.66                  | 14.984            |                    |        |
| 7,600.0   | 7,384.7             | 7,465.9             | 7,185.2             | 17.9            | 21.6        | -55.29                | -243.7                            | 954.2      | 376.1                | 351.4                 | 24.72                  | 15.215            |                    |        |
| 7,700.0   | 7,405.6             | 7,542.7             | 7,197.5             | 18.5            | 22.1        | -54.75                | -319.5                            | 956.0      | 380.3                | 354.6                 | 25.74                  | 14.775            |                    |        |
| 7,800.0   | 7,410.0             | 7,626.2             | 7,200.0             | 19.2            | 22.6        | -54.67                | -402.8                            | 956.4      | 382.1                | 354.6                 | 27.57                  | 13.859            |                    |        |
| 7,900.0   | 7,410.0             | 7,726.2             | 7,200.0             | 20.0            | 23.3        | -54.79                | -502.8                            | 956.4      | 383.3                | 354.0                 | 29.26                  | 13.097            |                    |        |
| 8,000.0   | 7,410.0             | 7,826.2             | 7,200.0             | 21.0            | 24.1        | -54.91                | -602.8                            | 956.4      | 384.4                | 353.3                 | 31.14                  | 12.346            |                    |        |
| 8,100.0   | 7,410.0             | 7,926.2             | 7,200.0             | 22.1            | 25.1        | -55.03                | -702.8                            | 956.4      | 385.6                | 352.4                 | 33.16                  | 11.627            |                    |        |
| 8,200.0   | 7,410.0             | 8,026.1             | 7,200.0             | 23.2            | 26.1        | -55.14                | -802.8                            | 956.4      | 386.7                | 351.4                 | 35.32                  | 10.950            |                    |        |
| 8,300.0   | 7,410.0             | 8,126.1             | 7,200.0             | 24.4            | 27.2        | -55.26                | -902.8                            | 956.4      | 387.9                | 350.3                 | 37.58                  | 10.321            |                    |        |
| 8,400.0   | 7,410.0             | 8,226.1             | 7,200.0             | 25.7            | 28.3        | -55.38                | -1,002.8                          | 956.4      | 389.0                | 349.1                 | 39.93                  | 9.741             |                    |        |
| 8,500.0   | 7,410.0             | 8,326.1             | 7,200.0             | 27.0            | 29.6        | -55.50                | -1,102.8                          | 956.4      | 390.2                | 347.8                 | 42.37                  | 9.209             |                    |        |
| 8,600.0   | 7,410.0             | 8,426.1             | 7,200.0             | 28.4            | 30.8        | -55.61                | -1,202.8                          | 956.4      | 391.3                | 346.4                 | 44.87                  | 8.722             |                    |        |
| 8,700.0   | 7,410.0             | 8,526.1             | 7,200.0             | 29.8            | 32.1        | -55.73                | -1,302.8                          | 956.4      | 392.5                | 345.0                 | 47.42                  | 8.276             |                    |        |
| 8,800.0   | 7,410.0             | 8,626.1             | 7,200.0             | 31.3            | 33.5        | -55.84                | -1,402.8                          | 956.4      | 393.6                | 343.6                 | 50.03                  | 7.868             |                    |        |
| 8,900.0   | 7,410.0             | 8,726.1             | 7,200.0             | 32.7            | 34.9        | -55.95                | -1,502.7                          | 956.4      | 394.8                | 342.1                 | 52.68                  | 7.494             |                    |        |
| 9,000.0   | 7,410.0             | 8,826.1             | 7,200.0             | 34.3            | 36.3        | -56.07                | -1,602.7                          | 956.4      | 395.9                | 340.6                 | 55.37                  | 7.151             |                    |        |
| 9,100.0   | 7,410.0             | 8,926.1             | 7,200.0             | 35.8            | 37.7        | -56.18                | -1,702.7                          | 956.4      | 397.1                | 339.0                 | 58.09                  | 6.836             |                    |        |
| 9,200.0   | 7,410.0             | 9,026.1             | 7,200.0             | 37.3            | 39.2        | -56.29                | -1,802.7                          | 956.4      | 398.3                | 337.4                 | 60.84                  | 6.545             |                    |        |
| 9,300.0   | 7,410.0             | 9,126.0             | 7,200.0             | 38.9            | 40.7        | -56.40                | -1,902.7                          | 956.4      | 399.4                | 335.8                 | 63.63                  | 6.278             |                    |        |
| 9,400.0   | 7,410.0             | 9,226.0             | 7,200.0             | 40.5            | 42.2        | -56.51                | -2,002.7                          | 956.4      | 400.6                | 334.1                 | 66.43                  | 6.030             |                    |        |
| 9,500.0   | 7,410.0             | 9,326.0             | 7,200.0             | 42.1            | 43.8        | -56.62                | -2,102.7                          | 956.4      | 401.7                | 332.5                 | 69.26                  | 5.801             |                    |        |
| 9,600.0   | 7,410.0             | 9,426.0             | 7,200.0             | 43.7            | 45.3        | -56.73                | -2,202.7                          | 956.4      | 402.9                | 330.8                 | 72.11                  | 5.588             |                    |        |
| 9,700.0   | 7,410.0             | 9,526.0             | 7,200.0             | 45.3            | 46.9        | -56.84                | -2,302.7                          | 956.4      | 404.1                | 329.1                 | 74.98                  | 5.389             |                    |        |
| 9,800.0   | 7,410.0             | 9,626.0             | 7,200.0             | 46.9            | 48.5        | -56.95                | -2,402.7                          | 956.4      | 405.2                | 327.4                 | 77.86                  | 5.205             |                    |        |
| 9,900.0   | 7,410.0             | 9,726.0             | 7,200.0             | 48.6            | 50.1        | -57.06                | -2,502.6                          | 956.4      | 406.4                | 325.7                 | 80.76                  | 5.032             |                    |        |
| 10,000.0  | 7,410.0             | 9,826.0             | 7,200.0             | 50.2            | 51.7        | -57.16                | -2,602.6                          | 956.4      | 407.6                | 323.9                 | 83.68                  | 4.871             |                    |        |
| 10,100.0  | 7,410.0             | 9,926.0             | 7,200.0             | 51.9            | 53.3        | -57.27                | -2,702.6                          | 956.4      | 408.8                | 322.2                 | 86.61                  | 4.720             |                    |        |
| 10,200.0  | 7,410.0             | 10,026.0            | 7,200.0             | 53.5            | 54.9        | -57.37                | -2,802.6                          | 956.4      | 409.9                | 320.4                 | 89.56                  | 4.577             |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2G-14H-C268 - Hz - Plan #2 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        | Offset Site Error: | 0.0 ft            |
|---|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|--------------------|-------------------|
| Survey Program: 0-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        | Offset Well Error: | 0.0 ft            |
| Reference   |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       |                        | Warning            |                   |
| Measured Depth (ft)   | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Total Uncertainty Axis |                    | Separation Factor |
| 10,300.0  | 7,410.0             | 10,125.9            | 7,200.0             | 55.2            | 56.5        | -57.48                | -2,902.6                          | 956.4      | 411.1                | 318.6                 | 92.51                  | 4.444              |                   |
| 10,400.0  | 7,410.0             | 10,225.9            | 7,200.0             | 56.9            | 58.2        | -57.58                | -3,002.6                          | 956.4      | 412.3                | 316.8                 | 95.48                  | 4.318              |                   |
| 10,500.0  | 7,410.0             | 10,325.9            | 7,200.0             | 58.5            | 59.8        | -57.69                | -3,102.6                          | 956.4      | 413.5                | 315.0                 | 98.47                  | 4.199              |                   |
| 10,600.0  | 7,410.0             | 10,425.9            | 7,200.0             | 60.2            | 61.4        | -57.79                | -3,202.6                          | 956.4      | 414.7                | 313.2                 | 101.46                 | 4.087              |                   |
| 10,700.0  | 7,410.0             | 10,525.9            | 7,200.0             | 61.9            | 63.1        | -57.89                | -3,302.6                          | 956.4      | 415.8                | 311.4                 | 104.46                 | 3.981              |                   |
| 10,800.0  | 7,410.0             | 10,625.9            | 7,200.0             | 63.6            | 64.8        | -58.00                | -3,402.6                          | 956.4      | 417.0                | 309.5                 | 107.47                 | 3.880              |                   |
| 10,900.0  | 7,410.0             | 10,725.9            | 7,200.0             | 65.3            | 66.4        | -58.10                | -3,502.5                          | 956.4      | 418.2                | 307.7                 | 110.50                 | 3.785              |                   |
| 11,000.0  | 7,410.0             | 10,825.9            | 7,200.0             | 67.0            | 68.1        | -58.20                | -3,602.5                          | 956.4      | 419.4                | 305.9                 | 113.53                 | 3.694              |                   |
| 11,100.0  | 7,410.0             | 10,925.9            | 7,200.0             | 68.7            | 69.8        | -58.30                | -3,702.5                          | 956.4      | 420.6                | 304.0                 | 116.57                 | 3.608              |                   |
| 11,200.0  | 7,410.0             | 11,025.9            | 7,200.0             | 70.4            | 71.4        | -58.40                | -3,802.5                          | 956.4      | 421.8                | 302.2                 | 119.61                 | 3.526              |                   |
| 11,300.0  | 7,410.0             | 11,125.8            | 7,200.0             | 72.1            | 73.1        | -58.50                | -3,902.5                          | 956.4      | 423.0                | 300.3                 | 122.67                 | 3.448              |                   |
| 11,400.0  | 7,410.0             | 11,225.8            | 7,200.0             | 73.8            | 74.8        | -58.60                | -4,002.5                          | 956.4      | 424.1                | 298.4                 | 125.74                 | 3.373              |                   |
| 11,500.0  | 7,410.0             | 11,325.8            | 7,200.0             | 75.5            | 76.5        | -58.69                | -4,102.5                          | 956.4      | 425.3                | 296.5                 | 128.81                 | 3.302              |                   |
| 11,600.0  | 7,410.0             | 11,425.8            | 7,200.0             | 77.2            | 78.2        | -58.79                | -4,202.5                          | 956.4      | 426.5                | 294.6                 | 131.89                 | 3.234              |                   |
| 11,700.0  | 7,410.0             | 11,525.8            | 7,200.0             | 78.9            | 79.9        | -58.89                | -4,302.5                          | 956.4      | 427.7                | 292.8                 | 134.98                 | 3.169              |                   |
| 11,800.0  | 7,410.0             | 11,625.8            | 7,200.0             | 80.6            | 81.6        | -58.98                | -4,402.5                          | 956.4      | 428.9                | 290.9                 | 138.07                 | 3.107              |                   |
| 11,900.0  | 7,410.0             | 11,725.8            | 7,200.0             | 82.3            | 83.3        | -59.08                | -4,502.4                          | 956.4      | 430.1                | 289.0                 | 141.17                 | 3.047              |                   |
| 12,000.0  | 7,410.0             | 11,825.8            | 7,200.0             | 84.0            | 85.0        | -59.18                | -4,602.4                          | 956.4      | 431.3                | 287.0                 | 144.28                 | 2.990              |                   |
| 12,100.0  | 7,410.0             | 11,925.8            | 7,200.0             | 85.8            | 86.7        | -59.27                | -4,702.4                          | 956.4      | 432.5                | 285.1                 | 147.39                 | 2.935              |                   |
| 12,200.0  | 7,410.0             | 12,025.8            | 7,200.0             | 87.5            | 88.4        | -59.36                | -4,802.4                          | 956.4      | 433.7                | 283.2                 | 150.51                 | 2.882              |                   |
| 12,300.0  | 7,410.0             | 12,125.7            | 7,200.0             | 89.2            | 90.1        | -59.46                | -4,902.4                          | 956.4      | 434.9                | 281.3                 | 153.64                 | 2.831              |                   |
| 12,400.0  | 7,410.0             | 12,225.7            | 7,200.0             | 90.9            | 91.8        | -59.55                | -5,002.4                          | 956.4      | 436.1                | 279.4                 | 156.77                 | 2.782              |                   |
| 12,500.0  | 7,410.0             | 12,325.7            | 7,200.0             | 92.7            | 93.5        | -59.64                | -5,102.4                          | 956.4      | 437.3                | 277.4                 | 159.91                 | 2.735              |                   |
| 12,600.0  | 7,410.0             | 12,425.7            | 7,200.0             | 94.4            | 95.2        | -59.74                | -5,202.4                          | 956.4      | 438.5                | 275.5                 | 163.05                 | 2.690              |                   |
| 12,700.0  | 7,410.0             | 12,525.7            | 7,200.0             | 96.1            | 96.9        | -59.83                | -5,302.4                          | 956.4      | 439.7                | 273.5                 | 166.20                 | 2.646              |                   |
| 12,800.0  | 7,410.0             | 12,625.7            | 7,200.0             | 97.8            | 98.6        | -59.92                | -5,402.4                          | 956.4      | 441.0                | 271.6                 | 169.36                 | 2.604              |                   |
| 12,900.0  | 7,410.0             | 12,725.7            | 7,200.0             | 99.6            | 100.3       | -60.01                | -5,502.4                          | 956.4      | 442.2                | 269.6                 | 172.52                 | 2.563              |                   |
| 13,000.0  | 7,410.0             | 12,825.7            | 7,200.0             | 101.3           | 102.1       | -60.10                | -5,602.3                          | 956.4      | 443.4                | 267.7                 | 175.68                 | 2.524              |                   |
| 13,100.0  | 7,410.0             | 12,925.7            | 7,200.0             | 103.0           | 103.8       | -60.19                | -5,702.3                          | 956.4      | 444.6                | 265.7                 | 178.86                 | 2.486              |                   |
| 13,200.0  | 7,410.0             | 13,025.7            | 7,200.0             | 104.7           | 105.5       | -60.28                | -5,802.3                          | 956.4      | 445.8                | 263.8                 | 182.03                 | 2.449              |                   |
| 13,300.0  | 7,410.0             | 13,125.7            | 7,200.0             | 106.5           | 107.2       | -60.37                | -5,902.3                          | 956.4      | 447.0                | 261.8                 | 185.21                 | 2.413              |                   |
| 13,400.0  | 7,410.0             | 13,225.6            | 7,200.0             | 108.2           | 108.9       | -60.46                | -6,002.3                          | 956.4      | 448.2                | 259.8                 | 188.40                 | 2.379              |                   |
| 13,500.0  | 7,410.0             | 13,325.6            | 7,200.0             | 109.9           | 110.7       | -60.54                | -6,102.3                          | 956.4      | 449.4                | 257.8                 | 191.59                 | 2.346              |                   |
| 13,600.0  | 7,410.0             | 13,425.6            | 7,200.0             | 111.7           | 112.4       | -60.63                | -6,202.3                          | 956.4      | 450.7                | 255.9                 | 194.78                 | 2.314              |                   |
| 13,700.0  | 7,410.0             | 13,525.6            | 7,200.0             | 113.4           | 114.1       | -60.72                | -6,302.3                          | 956.4      | 451.9                | 253.9                 | 197.98                 | 2.282              |                   |
| 13,800.0  | 7,410.0             | 13,625.6            | 7,200.0             | 115.1           | 115.8       | -60.80                | -6,402.3                          | 956.4      | 453.1                | 251.9                 | 201.19                 | 2.252              |                   |
| 13,900.0  | 7,410.0             | 13,725.6            | 7,200.0             | 116.9           | 117.6       | -60.89                | -6,502.3                          | 956.4      | 454.3                | 249.9                 | 204.40                 | 2.223              |                   |
| 14,000.0  | 7,410.0             | 13,825.6            | 7,200.0             | 118.6           | 119.3       | -60.98                | -6,602.2                          | 956.4      | 455.5                | 247.9                 | 207.61                 | 2.194              |                   |
| 14,100.0  | 7,410.0             | 13,925.6            | 7,200.0             | 120.3           | 121.0       | -61.06                | -6,702.2                          | 956.4      | 456.7                | 245.9                 | 210.83                 | 2.166              |                   |
| 14,111.4  | 7,410.0             | 13,937.0            | 7,200.0             | 120.5           | 121.2       | -61.07                | -6,713.7                          | 956.4      | 456.9                | 245.7                 | 211.20                 | 2.163 SF           |                   |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2A-14H-C268 - Hz - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 0-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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         | -175.96               | -553.7                            | -39.1      | 555.1                |                       |                        |                   |                    |        |
| 100.0  | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -175.96               | -553.7                            | -39.1      | 555.1                | 554.8                 | 0.30                   | 1,827.827         |                    |        |
| 200.0  | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -175.96               | -553.7                            | -39.1      | 555.1                | 554.4                 | 0.65                   | 850.380           | CC                 |        |
| 300.0  | 300.0               | 297.5               | 297.5               | 0.5             | 0.5         | -175.79               | -553.8                            | -40.8      | 555.3                | 554.3                 | 1.00                   | 556.326           | ES                 |        |
| 400.0  | 400.0               | 394.8               | 394.6               | 0.7             | 0.7         | -175.28               | -554.1                            | -45.7      | 556.0                | 554.7                 | 1.35                   | 412.920           |                    |        |
| 500.0  | 500.0               | 491.6               | 491.1               | 0.8             | 0.9         | -174.44               | -554.6                            | -53.9      | 557.3                | 555.6                 | 1.70                   | 327.627           |                    |        |
| 600.0  | 600.0               | 587.6               | 586.4               | 1.0             | 1.2         | 115.27                | -555.3                            | -65.3      | 560.0                | 557.8                 | 2.18                   | 256.772           |                    |        |
| 700.0  | 699.8               | 681.9               | 679.6               | 1.2             | 1.5         | 117.04                | -556.1                            | -79.5      | 565.3                | 562.6                 | 2.65                   | 213.260           |                    |        |
| 800.0  | 799.5               | 773.9               | 770.1               | 1.4             | 1.8         | 119.27                | -557.1                            | -96.3      | 573.7                | 570.6                 | 3.17                   | 181.089           |                    |        |
| 900.0  | 898.9               | 863.9               | 858.0               | 1.6             | 2.2         | 121.87                | -558.3                            | -115.6     | 584.9                | 581.2                 | 3.71                   | 157.526           |                    |        |
| 1,000.0  | 998.4               | 957.8               | 949.3               | 1.9             | 2.6         | 124.65                | -559.6                            | -137.4     | 598.2                | 593.9                 | 4.28                   | 139.687           |                    |        |
| 1,100.0  | 1,097.9             | 1,052.2             | 1,041.1             | 2.1             | 3.0         | 127.32                | -560.9                            | -159.4     | 612.9                | 608.0                 | 4.84                   | 126.503           |                    |        |
| 1,200.0  | 1,197.4             | 1,146.7             | 1,133.0             | 2.3             | 3.4         | 129.88                | -562.2                            | -181.4     | 629.0                | 623.6                 | 5.40                   | 116.582           |                    |        |
| 1,300.0  | 1,296.9             | 1,241.2             | 1,224.9             | 2.6             | 3.8         | 132.32                | -563.5                            | -203.3     | 646.3                | 640.4                 | 5.93                   | 108.984           |                    |        |
| 1,400.0  | 1,396.4             | 1,335.6             | 1,316.7             | 2.8             | 4.2         | 134.64                | -564.8                            | -225.3     | 664.8                | 658.4                 | 6.45                   | 103.082           |                    |        |
| 1,500.0  | 1,495.9             | 1,430.1             | 1,408.6             | 3.1             | 4.6         | 136.83                | -566.1                            | -247.3     | 684.4                | 677.5                 | 6.95                   | 98.445            |                    |        |
| 1,600.0  | 1,595.3             | 1,524.6             | 1,500.5             | 3.3             | 5.1         | 138.91                | -567.4                            | -269.3     | 705.0                | 697.5                 | 7.44                   | 94.772            |                    |        |
| 1,700.0  | 1,694.8             | 1,619.0             | 1,592.3             | 3.5             | 5.5         | 140.88                | -568.7                            | -291.2     | 726.4                | 718.5                 | 7.91                   | 91.844            |                    |        |
| 1,800.0  | 1,794.3             | 1,713.5             | 1,684.2             | 3.8             | 5.9         | 142.74                | -570.1                            | -313.2     | 748.7                | 740.4                 | 8.37                   | 89.500            |                    |        |
| 1,900.0  | 1,893.8             | 1,808.0             | 1,776.1             | 4.0             | 6.3         | 144.49                | -571.4                            | -335.2     | 771.8                | 763.0                 | 8.81                   | 87.620            |                    |        |
| 2,000.0  | 1,993.3             | 1,902.4             | 1,867.9             | 4.3             | 6.7         | 146.15                | -572.7                            | -357.2     | 795.5                | 786.3                 | 9.24                   | 86.112            |                    |        |
| 2,100.0  | 2,092.8             | 1,996.9             | 1,959.8             | 4.5             | 7.2         | 147.71                | -574.0                            | -379.1     | 819.8                | 810.2                 | 9.66                   | 84.905            |                    |        |
| 2,200.0  | 2,192.3             | 2,091.4             | 2,051.7             | 4.8             | 7.6         | 149.19                | -575.3                            | -401.1     | 844.8                | 834.7                 | 10.06                  | 83.944            |                    |        |
| 2,300.0  | 2,291.7             | 2,185.8             | 2,143.5             | 5.0             | 8.0         | 150.59                | -576.6                            | -423.1     | 870.2                | 859.8                 | 10.46                  | 83.183            |                    |        |
| 2,400.0  | 2,391.2             | 2,280.3             | 2,235.4             | 5.3             | 8.5         | 151.91                | -577.9                            | -445.1     | 896.1                | 885.3                 | 10.85                  | 82.588            |                    |        |
| 2,500.0  | 2,490.7             | 2,374.8             | 2,327.3             | 5.5             | 8.9         | 153.16                | -579.2                            | -467.0     | 922.5                | 911.3                 | 11.23                  | 82.129            |                    |        |
| 2,600.0  | 2,590.2             | 2,469.2             | 2,419.1             | 5.7             | 9.3         | 154.34                | -580.5                            | -489.0     | 949.3                | 937.7                 | 11.61                  | 81.785            |                    |        |
| 2,700.0  | 2,689.7             | 2,563.7             | 2,511.0             | 6.0             | 9.7         | 155.46                | -581.9                            | -511.0     | 976.4                | 964.4                 | 11.98                  | 81.535            |                    |        |
| 2,800.0  | 2,789.2             | 2,658.2             | 2,602.9             | 6.2             | 10.2        | 156.52                | -583.2                            | -533.0     | 1,003.9              | 991.5                 | 12.34                  | 81.364            |                    |        |
| 2,900.0  | 2,888.7             | 2,752.6             | 2,694.7             | 6.5             | 10.6        | 157.53                | -584.5                            | -554.9     | 1,031.7              | 1,019.0               | 12.70                  | 81.259            |                    |        |
| 3,000.0  | 2,988.1             | 2,847.1             | 2,786.6             | 6.7             | 11.0        | 158.48                | -585.8                            | -576.9     | 1,059.7              | 1,046.7               | 13.05                  | 81.209            |                    |        |
| 3,100.0  | 3,087.6             | 2,941.6             | 2,878.5             | 7.0             | 11.4        | 159.38                | -587.1                            | -598.9     | 1,088.1              | 1,074.7               | 13.40                  | 81.205            | SF                 |        |
| 3,200.0  | 3,187.1             | 3,036.0             | 2,970.3             | 7.2             | 11.9        | 160.25                | -588.4                            | -620.9     | 1,116.6              | 1,102.9               | 13.75                  | 81.239            |                    |        |
| 3,300.0  | 3,286.6             | 3,130.5             | 3,062.2             | 7.5             | 12.3        | 161.06                | -589.7                            | -642.8     | 1,145.4              | 1,131.3               | 14.09                  | 81.305            |                    |        |
| 3,400.0  | 3,386.1             | 3,225.0             | 3,154.1             | 7.7             | 12.7        | 161.84                | -591.0                            | -664.8     | 1,174.5              | 1,160.0               | 14.43                  | 81.397            |                    |        |
| 3,500.0  | 3,485.6             | 3,319.4             | 3,245.9             | 8.0             | 13.1        | 162.59                | -592.3                            | -686.8     | 1,203.7              | 1,188.9               | 14.77                  | 81.512            |                    |        |
| 3,600.0  | 3,585.1             | 3,413.9             | 3,337.8             | 8.2             | 13.6        | 163.30                | -593.7                            | -708.8     | 1,233.0              | 1,217.9               | 15.10                  | 81.645            |                    |        |
| 3,700.0  | 3,684.5             | 3,508.4             | 3,429.7             | 8.5             | 14.0        | 163.97                | -595.0                            | -730.7     | 1,262.6              | 1,247.2               | 15.44                  | 81.792            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2B-14H-C268 - Hz - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 0-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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            |        |
| 0.0  | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | -176.82               | -553.7                            | -30.8      | 554.6                |                       |                        |                   |                    |        |
| 100.0  | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -176.82               | -553.7                            | -30.8      | 554.6                | 554.3                 | 0.30                   | 1,826.087         |                    |        |
| 200.0  | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -176.82               | -553.7                            | -30.8      | 554.6                | 553.9                 | 0.65                   | 849.571           |                    |        |
| 300.0  | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | -176.82               | -553.7                            | -30.8      | 554.6                | 553.6                 | 1.00                   | 553.553 CC        |                    |        |
| 400.0  | 400.0               | 397.4               | 397.3               | 0.7             | 0.7         | -176.65               | -553.8                            | -32.4      | 554.8                | 553.5                 | 1.35                   | 411.931 ES        |                    |        |
| 500.0  | 500.0               | 494.5               | 494.3               | 0.8             | 0.9         | -176.15               | -554.3                            | -37.3      | 555.5                | 553.8                 | 1.69                   | 327.900           |                    |        |
| 600.0  | 600.0               | 591.0               | 590.5               | 1.0             | 1.1         | 113.27                | -554.9                            | -45.5      | 557.6                | 555.5                 | 2.09                   | 266.436           |                    |        |
| 700.0  | 699.8               | 686.2               | 685.0               | 1.2             | 1.3         | 114.78                | -555.9                            | -56.7      | 561.8                | 559.3                 | 2.52                   | 223.372           |                    |        |
| 800.0  | 799.5               | 779.4               | 777.2               | 1.4             | 1.6         | 116.79                | -557.0                            | -70.6      | 568.9                | 565.9                 | 2.99                   | 190.511           |                    |        |
| 900.0  | 898.9               | 873.6               | 869.8               | 1.6             | 1.9         | 119.24                | -558.4                            | -87.3      | 578.2                | 574.7                 | 3.48                   | 165.939           |                    |        |
| 1,000.0  | 998.4               | 969.7               | 964.3               | 1.9             | 2.2         | 121.69                | -559.8                            | -104.6     | 588.8                | 584.8                 | 4.00                   | 147.309           |                    |        |
| 1,100.0  | 1,097.9             | 1,065.7             | 1,058.8             | 2.1             | 2.6         | 124.05                | -561.3                            | -121.9     | 600.5                | 596.0                 | 4.51                   | 133.203           |                    |        |
| 1,200.0  | 1,197.4             | 1,161.8             | 1,153.3             | 2.3             | 2.9         | 126.33                | -562.7                            | -139.2     | 613.2                | 608.2                 | 5.01                   | 122.314           |                    |        |
| 1,300.0  | 1,296.9             | 1,257.9             | 1,247.8             | 2.6             | 3.2         | 128.51                | -564.2                            | -156.5     | 626.9                | 621.4                 | 5.51                   | 113.767           |                    |        |
| 1,400.0  | 1,396.4             | 1,353.9             | 1,342.3             | 2.8             | 3.6         | 130.61                | -565.6                            | -173.8     | 641.5                | 635.5                 | 6.00                   | 106.962           |                    |        |
| 1,500.0  | 1,495.9             | 1,450.0             | 1,436.8             | 3.1             | 3.9         | 132.61                | -567.0                            | -191.1     | 656.9                | 650.4                 | 6.47                   | 101.478           |                    |        |
| 1,600.0  | 1,595.3             | 1,546.1             | 1,531.3             | 3.3             | 4.3         | 134.53                | -568.5                            | -208.4     | 673.1                | 666.2                 | 6.94                   | 97.012            |                    |        |
| 1,700.0  | 1,694.8             | 1,642.1             | 1,625.7             | 3.5             | 4.6         | 136.36                | -569.9                            | -225.7     | 690.1                | 682.7                 | 7.39                   | 93.345            |                    |        |
| 1,800.0  | 1,794.3             | 1,738.2             | 1,720.2             | 3.8             | 4.9         | 138.10                | -571.3                            | -243.0     | 707.8                | 699.9                 | 7.84                   | 90.312            |                    |        |
| 1,900.0  | 1,893.8             | 1,834.3             | 1,814.7             | 4.0             | 5.3         | 139.76                | -572.8                            | -260.3     | 726.0                | 717.8                 | 8.27                   | 87.790            |                    |        |
| 2,000.0  | 1,993.3             | 1,930.3             | 1,909.2             | 4.3             | 5.6         | 141.34                | -574.2                            | -277.6     | 744.9                | 736.2                 | 8.69                   | 85.681            |                    |        |
| 2,100.0  | 2,092.8             | 2,026.4             | 2,003.7             | 4.5             | 6.0         | 142.84                | -575.7                            | -294.9     | 764.3                | 755.2                 | 9.11                   | 83.911            |                    |        |
| 2,200.0  | 2,192.3             | 2,122.5             | 2,098.2             | 4.8             | 6.3         | 144.27                | -577.1                            | -312.2     | 784.2                | 774.7                 | 9.51                   | 82.422            |                    |        |
| 2,300.0  | 2,291.7             | 2,218.5             | 2,192.7             | 5.0             | 6.7         | 145.64                | -578.5                            | -329.5     | 804.6                | 794.7                 | 9.91                   | 81.165            |                    |        |
| 2,400.0  | 2,391.2             | 2,314.6             | 2,287.2             | 5.3             | 7.0         | 146.93                | -580.0                            | -346.8     | 825.4                | 815.1                 | 10.30                  | 80.104            |                    |        |
| 2,500.0  | 2,490.7             | 2,410.7             | 2,381.6             | 5.5             | 7.4         | 148.17                | -581.4                            | -364.1     | 846.6                | 835.9                 | 10.69                  | 79.205            |                    |        |
| 2,600.0  | 2,590.2             | 2,506.8             | 2,476.1             | 5.7             | 7.7         | 149.35                | -582.8                            | -381.4     | 868.2                | 857.1                 | 11.07                  | 78.446            |                    |        |
| 2,700.0  | 2,689.7             | 2,602.8             | 2,570.6             | 6.0             | 8.1         | 150.47                | -584.3                            | -398.8     | 890.1                | 878.7                 | 11.44                  | 77.803            |                    |        |
| 2,800.0  | 2,789.2             | 2,698.9             | 2,665.1             | 6.2             | 8.4         | 151.53                | -585.7                            | -416.1     | 912.4                | 900.6                 | 11.81                  | 77.261            |                    |        |
| 2,900.0  | 2,888.7             | 2,795.0             | 2,759.6             | 6.5             | 8.8         | 152.55                | -587.2                            | -433.4     | 934.9                | 922.7                 | 12.17                  | 76.803            |                    |        |
| 3,000.0  | 2,988.1             | 2,891.0             | 2,854.1             | 6.7             | 9.1         | 153.52                | -588.6                            | -450.7     | 957.7                | 945.2                 | 12.53                  | 76.419            |                    |        |
| 3,100.0  | 3,087.6             | 2,987.1             | 2,948.6             | 7.0             | 9.5         | 154.45                | -590.0                            | -468.0     | 980.8                | 967.9                 | 12.89                  | 76.098            |                    |        |
| 3,200.0  | 3,187.1             | 3,083.2             | 3,043.1             | 7.2             | 9.8         | 155.33                | -591.5                            | -485.3     | 1,004.1              | 990.8                 | 13.24                  | 75.830            |                    |        |
| 3,300.0  | 3,286.6             | 3,179.2             | 3,137.5             | 7.5             | 10.2        | 156.18                | -592.9                            | -502.6     | 1,027.6              | 1,014.0               | 13.59                  | 75.609            |                    |        |
| 3,400.0  | 3,386.1             | 3,275.3             | 3,232.0             | 7.7             | 10.5        | 156.99                | -594.3                            | -519.9     | 1,051.3              | 1,037.4               | 13.94                  | 75.428            |                    |        |
| 3,500.0  | 3,485.6             | 3,371.4             | 3,326.5             | 8.0             | 10.9        | 157.76                | -595.8                            | -537.2     | 1,075.3              | 1,061.0               | 14.28                  | 75.281            |                    |        |
| 3,600.0  | 3,585.1             | 3,467.4             | 3,421.0             | 8.2             | 11.2        | 158.50                | -597.2                            | -554.5     | 1,099.4              | 1,084.7               | 14.63                  | 75.165            |                    |        |
| 3,700.0  | 3,684.5             | 3,563.5             | 3,515.5             | 8.5             | 11.6        | 159.21                | -598.7                            | -571.8     | 1,123.6              | 1,108.7               | 14.97                  | 75.075            |                    |        |
| 3,800.0  | 3,784.0             | 3,659.6             | 3,610.0             | 8.7             | 11.9        | 159.89                | -600.1                            | -589.1     | 1,148.1              | 1,132.8               | 15.31                  | 75.007            |                    |        |
| 3,900.0  | 3,883.5             | 3,755.7             | 3,704.5             | 9.0             | 12.3        | 160.54                | -601.5                            | -606.4     | 1,172.7              | 1,157.0               | 15.64                  | 74.958            |                    |        |
| 4,000.0  | 3,983.0             | 3,851.7             | 3,799.0             | 9.2             | 12.6        | 161.17                | -603.0                            | -623.7     | 1,197.4              | 1,181.4               | 15.98                  | 74.927            |                    |        |
| 4,100.0  | 4,082.5             | 3,947.8             | 3,893.4             | 9.5             | 13.0        | 161.77                | -604.4                            | -641.0     | 1,222.2              | 1,205.9               | 16.32                  | 74.910            |                    |        |
| 4,200.0  | 4,182.0             | 4,043.9             | 3,987.9             | 9.7             | 13.3        | 162.34                | -605.8                            | -658.3     | 1,247.2              | 1,230.5               | 16.65                  | 74.905 SF         |                    |        |
| 4,300.0  | 4,281.5             | 4,139.9             | 4,082.4             | 10.0            | 13.7        | 162.90                | -607.3                            | -675.6     | 1,272.3              | 1,255.3               | 16.98                  | 74.912            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2C-14H-C268 - Hz - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      |                       | Total 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         | -177.98               | -553.7                            | -19.6      | 554.1                |                       |                        |                   |                    |        |
| 100.0  | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -177.98               | -553.7                            | -19.6      | 554.1                | 553.7                 | 0.30                   | 1,824.416         |                    |        |
| 200.0  | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -177.98               | -553.7                            | -19.6      | 554.1                | 553.4                 | 0.65                   | 848.793           |                    |        |
| 300.0  | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | -177.98               | -553.7                            | -19.6      | 554.1                | 553.1                 | 1.00                   | 553.046           |                    |        |
| 400.0  | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | -177.98               | -553.7                            | -19.6      | 554.1                | 552.7                 | 1.35                   | 410.140 CC        |                    |        |
| 500.0  | 500.0               | 497.0               | 497.0               | 0.8             | 0.8         | -177.81               | -553.9                            | -21.2      | 554.3                | 552.6                 | 1.70                   | 326.985 ES        |                    |        |
| 600.0  | 600.0               | 593.7               | 593.6               | 1.0             | 1.0         | 111.29                | -554.5                            | -26.1      | 555.8                | 553.7                 | 2.05                   | 270.527           |                    |        |
| 700.0  | 699.8               | 689.4               | 688.9               | 1.2             | 1.2         | 112.51                | -555.5                            | -34.1      | 559.3                | 556.8                 | 2.44                   | 229.234           |                    |        |
| 800.0  | 799.5               | 784.7               | 783.6               | 1.4             | 1.5         | 114.29                | -556.8                            | -45.0      | 565.2                | 562.3                 | 2.86                   | 197.540           |                    |        |
| 900.0  | 898.9               | 882.2               | 880.3               | 1.6             | 1.7         | 116.36                | -558.3                            | -57.0      | 572.6                | 569.3                 | 3.31                   | 173.148           |                    |        |
| 1,000.0  | 998.4               | 979.7               | 977.1               | 1.9             | 1.9         | 118.38                | -559.7                            | -69.0      | 580.7                | 576.9                 | 3.76                   | 154.446           |                    |        |
| 1,100.0  | 1,097.9             | 1,077.2             | 1,073.8             | 2.1             | 2.2         | 120.34                | -561.2                            | -81.0      | 589.6                | 585.4                 | 4.22                   | 139.856           |                    |        |
| 1,200.0  | 1,197.4             | 1,174.7             | 1,170.6             | 2.3             | 2.5         | 122.25                | -562.6                            | -92.9      | 599.2                | 594.5                 | 4.67                   | 128.287           |                    |        |
| 1,300.0  | 1,296.9             | 1,272.2             | 1,267.3             | 2.6             | 2.7         | 124.09                | -564.1                            | -104.9     | 609.4                | 604.3                 | 5.12                   | 118.972           |                    |        |
| 1,400.0  | 1,396.4             | 1,369.7             | 1,364.1             | 2.8             | 3.0         | 125.88                | -565.5                            | -116.9     | 620.2                | 614.7                 | 5.57                   | 111.371           |                    |        |
| 1,500.0  | 1,495.9             | 1,467.2             | 1,460.8             | 3.1             | 3.3         | 127.60                | -567.0                            | -128.9     | 631.7                | 625.7                 | 6.01                   | 105.093           |                    |        |
| 1,600.0  | 1,595.3             | 1,564.7             | 1,557.5             | 3.3             | 3.5         | 129.27                | -568.4                            | -140.8     | 643.7                | 637.3                 | 6.45                   | 99.855            |                    |        |
| 1,700.0  | 1,694.8             | 1,662.2             | 1,654.3             | 3.5             | 3.8         | 130.87                | -569.9                            | -152.8     | 656.3                | 649.4                 | 6.88                   | 95.444            |                    |        |
| 1,800.0  | 1,794.3             | 1,759.7             | 1,751.0             | 3.8             | 4.1         | 132.42                | -571.3                            | -164.8     | 669.4                | 662.1                 | 7.30                   | 91.701            |                    |        |
| 1,900.0  | 1,893.8             | 1,857.2             | 1,847.8             | 4.0             | 4.3         | 133.90                | -572.8                            | -176.8     | 682.9                | 675.2                 | 7.72                   | 88.501            |                    |        |
| 2,000.0  | 1,993.3             | 1,954.6             | 1,944.5             | 4.3             | 4.6         | 135.33                | -574.3                            | -188.7     | 696.9                | 688.7                 | 8.13                   | 85.749            |                    |        |
| 2,100.0  | 2,092.8             | 2,052.1             | 2,041.3             | 4.5             | 4.9         | 136.71                | -575.7                            | -200.7     | 711.3                | 702.8                 | 8.53                   | 83.370            |                    |        |
| 2,200.0  | 2,192.3             | 2,149.6             | 2,138.0             | 4.8             | 5.1         | 138.03                | -577.2                            | -212.7     | 726.1                | 717.2                 | 8.93                   | 81.302            |                    |        |
| 2,300.0  | 2,291.7             | 2,247.1             | 2,234.8             | 5.0             | 5.4         | 139.29                | -578.6                            | -224.7     | 741.3                | 731.9                 | 9.32                   | 79.497            |                    |        |
| 2,400.0  | 2,391.2             | 2,344.6             | 2,331.5             | 5.3             | 5.7         | 140.51                | -580.1                            | -236.6     | 756.8                | 747.1                 | 9.71                   | 77.916            |                    |        |
| 2,500.0  | 2,490.7             | 2,442.1             | 2,428.2             | 5.5             | 5.9         | 141.68                | -581.5                            | -248.6     | 772.6                | 762.5                 | 10.10                  | 76.525            |                    |        |
| 2,600.0  | 2,590.2             | 2,539.6             | 2,525.0             | 5.7             | 6.2         | 142.81                | -583.0                            | -260.6     | 788.8                | 778.3                 | 10.48                  | 75.297            |                    |        |
| 2,700.0  | 2,689.7             | 2,637.1             | 2,621.7             | 6.0             | 6.5         | 143.88                | -584.4                            | -272.6     | 805.3                | 794.4                 | 10.85                  | 74.211            |                    |        |
| 2,800.0  | 2,789.2             | 2,734.6             | 2,718.5             | 6.2             | 6.7         | 144.92                | -585.9                            | -284.5     | 822.0                | 810.8                 | 11.22                  | 73.247            |                    |        |
| 2,900.0  | 2,888.7             | 2,832.1             | 2,815.2             | 6.5             | 7.0         | 145.92                | -587.3                            | -296.5     | 839.0                | 827.4                 | 11.59                  | 72.389            |                    |        |
| 3,000.0  | 2,988.1             | 2,929.6             | 2,912.0             | 6.7             | 7.3         | 146.87                | -588.8                            | -308.5     | 856.2                | 844.2                 | 11.95                  | 71.624            |                    |        |
| 3,100.0  | 3,087.6             | 3,027.1             | 3,008.7             | 7.0             | 7.6         | 147.79                | -590.3                            | -320.5     | 873.6                | 861.3                 | 12.32                  | 70.940            |                    |        |
| 3,200.0  | 3,187.1             | 3,124.6             | 3,105.4             | 7.2             | 7.8         | 148.68                | -591.7                            | -332.4     | 891.3                | 878.6                 | 12.67                  | 70.327            |                    |        |
| 3,300.0  | 3,286.6             | 3,222.1             | 3,202.2             | 7.5             | 8.1         | 149.53                | -593.2                            | -344.4     | 909.2                | 896.1                 | 13.03                  | 69.777            |                    |        |
| 3,400.0  | 3,386.1             | 3,319.6             | 3,298.9             | 7.7             | 8.4         | 150.34                | -594.6                            | -356.4     | 927.2                | 913.9                 | 13.38                  | 69.283            |                    |        |
| 3,500.0  | 3,485.6             | 3,417.0             | 3,395.7             | 8.0             | 8.6         | 151.13                | -596.1                            | -368.4     | 945.5                | 931.7                 | 13.73                  | 68.837            |                    |        |
| 3,600.0  | 3,585.1             | 3,514.5             | 3,492.4             | 8.2             | 8.9         | 151.89                | -597.5                            | -380.3     | 963.9                | 949.8                 | 14.08                  | 68.436            |                    |        |
| 3,700.0  | 3,684.5             | 3,612.0             | 3,589.2             | 8.5             | 9.2         | 152.62                | -599.0                            | -392.3     | 982.4                | 968.0                 | 14.43                  | 68.073            |                    |        |
| 3,800.0  | 3,784.0             | 3,709.5             | 3,685.9             | 8.7             | 9.5         | 153.32                | -600.4                            | -404.3     | 1,001.1              | 986.4                 | 14.78                  | 67.744            |                    |        |
| 3,900.0  | 3,883.5             | 3,807.0             | 3,782.7             | 9.0             | 9.7         | 154.00                | -601.9                            | -416.3     | 1,020.0              | 1,004.9               | 15.12                  | 67.447            |                    |        |
| 4,000.0  | 3,983.0             | 3,904.5             | 3,879.4             | 9.2             | 10.0        | 154.65                | -603.4                            | -428.2     | 1,039.0              | 1,023.5               | 15.47                  | 67.177            |                    |        |
| 4,100.0  | 4,082.5             | 4,002.0             | 3,976.1             | 9.5             | 10.3        | 155.28                | -604.8                            | -440.2     | 1,058.1              | 1,042.3               | 15.81                  | 66.932            |                    |        |
| 4,200.0  | 4,182.0             | 4,099.5             | 4,072.9             | 9.7             | 10.5        | 155.89                | -606.3                            | -452.2     | 1,077.3              | 1,061.2               | 16.15                  | 66.709            |                    |        |
| 4,300.0  | 4,281.5             | 4,197.0             | 4,169.6             | 10.0            | 10.8        | 156.47                | -607.7                            | -464.2     | 1,096.7              | 1,080.2               | 16.49                  | 66.506            |                    |        |
| 4,400.0  | 4,380.9             | 4,294.5             | 4,266.4             | 10.2            | 11.1        | 157.04                | -609.2                            | -476.1     | 1,116.2              | 1,099.3               | 16.83                  | 66.322            |                    |        |
| 4,500.0  | 4,480.4             | 4,392.0             | 4,363.1             | 10.5            | 11.4        | 157.59                | -610.6                            | -488.1     | 1,135.7              | 1,118.6               | 17.17                  | 66.153            |                    |        |
| 4,600.0  | 4,579.9             | 4,489.5             | 4,459.9             | 10.7            | 11.6        | 158.11                | -612.1                            | -500.1     | 1,155.4              | 1,137.9               | 17.51                  | 65.999            |                    |        |
| 4,700.0  | 4,679.4             | 4,587.0             | 4,556.6             | 11.0            | 11.9        | 158.63                | -613.5                            | -512.1     | 1,175.1              | 1,157.3               | 17.84                  | 65.859            |                    |        |
| 4,800.0  | 4,778.9             | 4,684.5             | 4,653.4             | 11.2            | 12.2        | 159.12                | -615.0                            | -524.0     | 1,195.0              | 1,176.8               | 18.18                  | 65.730            |                    |        |
| 4,900.0  | 4,878.4             | 4,782.0             | 4,750.1             | 11.5            | 12.4        | 159.60                | -616.4                            | -536.0     | 1,214.9              | 1,196.4               | 18.52                  | 65.613            |                    |        |
| 5,000.0  | 4,977.9             | 4,879.4             | 4,846.8             | 11.7            | 12.7        | 160.06                | -617.9                            | -548.0     | 1,234.9              | 1,216.0               | 18.85                  | 65.505            |                    |        |
| 5,100.0  | 5,077.3             | 4,976.9             | 4,943.6             | 11.9            | 13.0        | 160.51                | -619.4                            | -560.0     | 1,255.0              | 1,235.8               | 19.19                  | 65.406            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| <b>Offset Design</b> S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2C-14H-C268 - Hz - Plan #1 |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | <b>Offset Site Error:</b> 0.0 ft |
|---|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|----------------------------------|
| Survey Program: 0-MWD   |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | <b>Offset Well Error:</b> 0.0 ft |
| Reference   |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning                          |
| Measured<br>Depth<br>(ft)   | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |                                  |
| 5,200.0   | 5,176.8                   | 5,074.4                   | 5,040.3                   | 12.2              | 13.3           | 160.94                      | -620.8                                  | -571.9        | 1,275.1                    | 1,255.6                     | 19.52                        | 65.316 SF            |                                  |

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2D-14H-C268 - Hz - Plan #1 |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Site Error: | 0.0 ft |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|
| Survey Program: 0-MWD  |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Well Error: | 0.0 ft |
| Reference  |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning            |        |
| Measured<br>Depth<br>(ft)  | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |                    |        |
| 0.0  | 0.0                       | 0.0                       | 0.0                       | 0.0               | 0.0            | -178.84                     | -553.7                                  | -11.2         | 553.8                      |                             |                              |                      |                    |        |
| 100.0  | 100.0                     | 100.0                     | 100.0                     | 0.2               | 0.2            | -178.84                     | -553.7                                  | -11.2         | 553.8                      | 553.5                       | 0.30                         | 1,823.649            |                    |        |
| 200.0  | 200.0                     | 200.0                     | 200.0                     | 0.3               | 0.3            | -178.84                     | -553.7                                  | -11.2         | 553.8                      | 553.2                       | 0.65                         | 848.436              |                    |        |
| 300.0  | 300.0                     | 300.0                     | 300.0                     | 0.5               | 0.5            | -178.84                     | -553.7                                  | -11.2         | 553.8                      | 552.8                       | 1.00                         | 552.814              |                    |        |
| 400.0  | 400.0                     | 400.0                     | 400.0                     | 0.7               | 0.7            | -178.84                     | -553.7                                  | -11.2         | 553.8                      | 552.5                       | 1.35                         | 409.968 CC, ES       |                    |        |
| 500.0  | 500.0                     | 495.9                     | 495.9                     | 0.8               | 0.8            | -178.68                     | -554.0                                  | -12.8         | 554.2                      | 552.5                       | 1.69                         | 327.278              |                    |        |
| 600.0  | 600.0                     | 591.4                     | 591.3                     | 1.0               | 1.0            | 110.39                      | -555.0                                  | -17.4         | 555.9                      | 553.9                       | 2.05                         | 271.039              |                    |        |
| 700.0  | 699.8                     | 689.8                     | 689.4                     | 1.2               | 1.2            | 111.53                      | -556.4                                  | -24.4         | 559.6                      | 557.2                       | 2.43                         | 230.466              |                    |        |
| 800.0  | 799.5                     | 788.5                     | 787.8                     | 1.4               | 1.4            | 112.96                      | -557.9                                  | -31.5         | 564.9                      | 562.0                       | 2.83                         | 199.791              |                    |        |
| 900.0  | 898.9                     | 887.0                     | 886.1                     | 1.6               | 1.6            | 114.57                      | -559.3                                  | -38.6         | 571.1                      | 567.9                       | 3.24                         | 176.434              |                    |        |
| 1,000.0  | 998.4                     | 985.5                     | 984.3                     | 1.9               | 1.8            | 116.15                      | -560.7                                  | -45.7         | 577.8                      | 574.2                       | 3.65                         | 158.218              |                    |        |
| 1,100.0  | 1,097.9                   | 1,084.0                   | 1,082.5                   | 2.1               | 2.0            | 117.69                      | -562.2                                  | -52.7         | 585.0                      | 580.9                       | 4.07                         | 143.753              |                    |        |
| 1,200.0  | 1,197.4                   | 1,182.4                   | 1,180.7                   | 2.3               | 2.2            | 119.20                      | -563.6                                  | -59.8         | 592.6                      | 588.1                       | 4.49                         | 132.068              |                    |        |
| 1,300.0  | 1,296.9                   | 1,280.9                   | 1,278.9                   | 2.6               | 2.5            | 120.66                      | -565.1                                  | -66.8         | 600.5                      | 595.6                       | 4.90                         | 122.485              |                    |        |
| 1,400.0  | 1,396.4                   | 1,379.4                   | 1,377.2                   | 2.8               | 2.7            | 122.09                      | -566.5                                  | -73.9         | 608.9                      | 603.6                       | 5.32                         | 114.519              |                    |        |
| 1,500.0  | 1,495.9                   | 1,477.9                   | 1,475.4                   | 3.1               | 2.9            | 123.48                      | -568.0                                  | -81.0         | 617.7                      | 611.9                       | 5.73                         | 107.819              |                    |        |
| 1,600.0  | 1,595.3                   | 1,576.4                   | 1,573.6                   | 3.3               | 3.1            | 124.83                      | -569.4                                  | -88.0         | 626.8                      | 620.6                       | 6.14                         | 102.126              |                    |        |
| 1,700.0  | 1,694.8                   | 1,674.9                   | 1,671.8                   | 3.5               | 3.3            | 126.15                      | -570.9                                  | -95.1         | 636.2                      | 629.7                       | 6.54                         | 97.244               |                    |        |
| 1,800.0  | 1,794.3                   | 1,773.3                   | 1,770.0                   | 3.8               | 3.5            | 127.42                      | -572.3                                  | -102.2        | 646.0                      | 639.0                       | 6.94                         | 93.025               |                    |        |
| 1,900.0  | 1,893.8                   | 1,871.8                   | 1,868.2                   | 4.0               | 3.7            | 128.66                      | -573.7                                  | -109.2        | 656.1                      | 648.7                       | 7.34                         | 89.352               |                    |        |
| 2,000.0  | 1,993.3                   | 1,970.3                   | 1,966.5                   | 4.3               | 3.9            | 129.86                      | -575.2                                  | -116.3        | 666.5                      | 658.7                       | 7.74                         | 86.134               |                    |        |
| 2,100.0  | 2,092.8                   | 2,068.8                   | 2,064.7                   | 4.5               | 4.1            | 131.02                      | -576.6                                  | -123.4        | 677.1                      | 669.0                       | 8.13                         | 83.298               |                    |        |
| 2,200.0  | 2,192.3                   | 2,167.3                   | 2,162.9                   | 4.8               | 4.4            | 132.15                      | -578.1                                  | -130.4        | 688.1                      | 679.6                       | 8.52                         | 80.787               |                    |        |
| 2,300.0  | 2,291.7                   | 2,265.8                   | 2,261.1                   | 5.0               | 4.6            | 133.24                      | -579.5                                  | -137.5        | 699.3                      | 690.4                       | 8.90                         | 78.553               |                    |        |
| 2,400.0  | 2,391.2                   | 2,364.2                   | 2,359.3                   | 5.3               | 4.8            | 134.30                      | -581.0                                  | -144.5        | 710.7                      | 701.5                       | 9.28                         | 76.557               |                    |        |
| 2,500.0  | 2,490.7                   | 2,462.7                   | 2,457.6                   | 5.5               | 5.0            | 135.32                      | -582.4                                  | -151.6        | 722.4                      | 712.8                       | 9.66                         | 74.765               |                    |        |
| 2,600.0  | 2,590.2                   | 2,561.2                   | 2,555.8                   | 5.7               | 5.2            | 136.31                      | -583.8                                  | -158.7        | 734.3                      | 724.3                       | 10.04                        | 73.153               |                    |        |
| 2,700.0  | 2,689.7                   | 2,659.7                   | 2,654.0                   | 6.0               | 5.4            | 137.27                      | -585.3                                  | -165.7        | 746.5                      | 736.0                       | 10.41                        | 71.696               |                    |        |
| 2,800.0  | 2,789.2                   | 2,758.2                   | 2,752.2                   | 6.2               | 5.6            | 138.20                      | -586.7                                  | -172.8        | 758.8                      | 748.0                       | 10.78                        | 70.375               |                    |        |
| 2,900.0  | 2,888.7                   | 2,856.6                   | 2,850.4                   | 6.5               | 5.8            | 139.10                      | -588.2                                  | -179.9        | 771.3                      | 760.2                       | 11.15                        | 69.175               |                    |        |
| 3,000.0  | 2,988.1                   | 2,955.1                   | 2,948.7                   | 6.7               | 6.1            | 139.97                      | -589.6                                  | -186.9        | 784.0                      | 772.5                       | 11.52                        | 68.082               |                    |        |
| 3,100.0  | 3,087.6                   | 3,053.6                   | 3,046.9                   | 7.0               | 6.3            | 140.82                      | -591.1                                  | -194.0        | 796.9                      | 785.0                       | 11.88                        | 67.082               |                    |        |
| 3,200.0  | 3,187.1                   | 3,152.1                   | 3,145.1                   | 7.2               | 6.5            | 141.64                      | -592.5                                  | -201.1        | 809.9                      | 797.7                       | 12.24                        | 66.167               |                    |        |
| 3,300.0  | 3,286.6                   | 3,250.6                   | 3,243.3                   | 7.5               | 6.7            | 142.43                      | -593.9                                  | -208.1        | 823.2                      | 810.6                       | 12.60                        | 65.327               |                    |        |
| 3,400.0  | 3,386.1                   | 3,349.1                   | 3,341.5                   | 7.7               | 6.9            | 143.20                      | -595.4                                  | -215.2        | 836.5                      | 823.6                       | 12.96                        | 64.554               |                    |        |
| 3,500.0  | 3,485.6                   | 3,447.5                   | 3,439.7                   | 8.0               | 7.1            | 143.94                      | -596.8                                  | -222.2        | 850.0                      | 836.7                       | 13.31                        | 63.841               |                    |        |
| 3,600.0  | 3,585.1                   | 3,546.0                   | 3,538.0                   | 8.2               | 7.3            | 144.66                      | -598.3                                  | -229.3        | 863.7                      | 850.0                       | 13.67                        | 63.183               |                    |        |
| 3,700.0  | 3,684.5                   | 3,644.5                   | 3,636.2                   | 8.5               | 7.5            | 145.36                      | -599.7                                  | -236.4        | 877.4                      | 863.4                       | 14.02                        | 62.574               |                    |        |
| 3,800.0  | 3,784.0                   | 3,743.0                   | 3,734.4                   | 8.7               | 7.8            | 146.03                      | -601.2                                  | -243.4        | 891.3                      | 876.9                       | 14.37                        | 62.009               |                    |        |
| 3,900.0  | 3,883.5                   | 3,841.5                   | 3,832.6                   | 9.0               | 8.0            | 146.69                      | -602.6                                  | -250.5        | 905.3                      | 890.6                       | 14.72                        | 61.485               |                    |        |
| 4,000.0  | 3,983.0                   | 3,940.0                   | 3,930.8                   | 9.2               | 8.2            | 147.32                      | -604.0                                  | -257.6        | 919.5                      | 904.4                       | 15.07                        | 60.997               |                    |        |
| 4,100.0  | 4,082.5                   | 4,038.4                   | 4,029.1                   | 9.5               | 8.4            | 147.94                      | -605.5                                  | -264.6        | 933.7                      | 918.3                       | 15.42                        | 60.543               |                    |        |
| 4,200.0  | 4,182.0                   | 4,136.9                   | 4,127.3                   | 9.7               | 8.6            | 148.54                      | -606.9                                  | -271.7        | 948.1                      | 932.3                       | 15.77                        | 60.119               |                    |        |
| 4,300.0  | 4,281.5                   | 4,235.4                   | 4,225.5                   | 10.0              | 8.8            | 149.12                      | -608.4                                  | -278.8        | 962.5                      | 946.4                       | 16.12                        | 59.723               |                    |        |
| 4,400.0  | 4,380.9                   | 4,333.9                   | 4,323.7                   | 10.2              | 9.0            | 149.68                      | -609.8                                  | -285.8        | 977.0                      | 960.6                       | 16.46                        | 59.352               |                    |        |
| 4,500.0  | 4,480.4                   | 4,432.4                   | 4,421.9                   | 10.5              | 9.2            | 150.23                      | -611.3                                  | -292.9        | 991.7                      | 974.9                       | 16.81                        | 59.005               |                    |        |
| 4,600.0  | 4,579.9                   | 4,530.9                   | 4,520.1                   | 10.7              | 9.5            | 150.76                      | -612.7                                  | -299.9        | 1,006.4                    | 989.2                       | 17.15                        | 58.679               |                    |        |
| 4,700.0  | 4,679.4                   | 4,629.3                   | 4,618.4                   | 11.0              | 9.7            | 151.28                      | -614.1                                  | -307.0        | 1,021.2                    | 1,003.7                     | 17.49                        | 58.373               |                    |        |
| 4,800.0  | 4,778.9                   | 4,727.8                   | 4,716.6                   | 11.2              | 9.9            | 151.78                      | -615.6                                  | -314.1        | 1,036.0                    | 1,018.2                     | 17.84                        | 58.085               |                    |        |
| 4,900.0  | 4,878.4                   | 4,826.3                   | 4,814.8                   | 11.5              | 10.1           | 152.27                      | -617.0                                  | -321.1        | 1,051.0                    | 1,032.8                     | 18.18                        | 57.813               |                    |        |
| 5,000.0  | 4,977.9                   | 4,924.8                   | 4,913.0                   | 11.7              | 10.3           | 152.74                      | -618.5                                  | -328.2        | 1,066.0                    | 1,047.5                     | 18.52                        | 57.558               |                    |        |
| 5,100.0  | 5,077.3                   | 5,023.3                   | 5,011.2                   | 11.9              | 10.5           | 153.20                      | -619.9                                  | -335.3        | 1,081.1                    | 1,062.3                     | 18.86                        | 57.317               |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2D-14H-C268 - Hz - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 0-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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  | 5,176.8             | 5,121.7             | 5,109.5             | 12.2            | 10.7        | 153.65                | -621.4                            | -342.3     | 1,096.3              | 1,077.1               | 19.20                  | 57.089            |                    |        |
| 5,300.0  | 5,276.3             | 5,220.2             | 5,207.7             | 12.4            | 10.9        | 154.08                | -622.8                            | -349.4     | 1,111.5              | 1,092.0               | 19.54                  | 56.873            |                    |        |
| 5,400.0  | 5,375.8             | 5,318.7             | 5,305.9             | 12.7            | 11.2        | 154.51                | -624.2                            | -356.5     | 1,126.8              | 1,106.9               | 19.88                  | 56.669            |                    |        |
| 5,500.0  | 5,475.3             | 5,417.2             | 5,404.1             | 12.9            | 11.4        | 154.92                | -625.7                            | -363.5     | 1,142.1              | 1,121.9               | 20.22                  | 56.475            |                    |        |
| 5,600.0  | 5,574.8             | 5,515.7             | 5,502.3             | 13.2            | 11.6        | 155.32                | -627.1                            | -370.6     | 1,157.5              | 1,137.0               | 20.56                  | 56.292            |                    |        |
| 5,700.0  | 5,674.3             | 5,614.2             | 5,600.5             | 13.4            | 11.8        | 155.71                | -628.6                            | -377.7     | 1,173.0              | 1,152.1               | 20.90                  | 56.117            |                    |        |
| 5,800.0  | 5,773.7             | 5,712.6             | 5,698.8             | 13.7            | 12.0        | 156.09                | -630.0                            | -384.7     | 1,188.5              | 1,167.3               | 21.24                  | 55.952            |                    |        |
| 5,900.0  | 5,873.2             | 5,811.1             | 5,797.0             | 13.9            | 12.2        | 156.47                | -631.5                            | -391.8     | 1,204.1              | 1,182.5               | 21.58                  | 55.794            |                    |        |
| 6,000.0  | 5,972.7             | 5,909.6             | 5,895.2             | 14.2            | 12.4        | 156.83                | -632.9                            | -398.8     | 1,219.7              | 1,197.8               | 21.92                  | 55.644            |                    |        |
| 6,100.0  | 6,072.2             | 6,008.1             | 5,993.4             | 14.4            | 12.7        | 157.18                | -634.4                            | -405.9     | 1,235.3              | 1,213.1               | 22.26                  | 55.501            |                    |        |
| 6,200.0  | 6,171.7             | 6,106.6             | 6,091.6             | 14.7            | 12.9        | 157.52                | -635.8                            | -413.0     | 1,251.0              | 1,228.4               | 22.60                  | 55.365            |                    |        |
| 6,300.0  | 6,271.2             | 6,205.1             | 6,189.9             | 14.9            | 13.1        | 157.86                | -637.2                            | -420.0     | 1,266.8              | 1,243.8               | 22.93                  | 55.235            |                    |        |
| 6,800.0  | 6,768.6             | 8,035.8             | 7,410.0             | 16.2            | 21.4        | -162.01               | 206.9                             | -500.3     | 1,266.1              | 1,234.3               | 31.85                  | 39.747            |                    |        |
| 6,900.0  | 6,868.1             | 8,037.1             | 7,410.0             | 16.4            | 21.4        | 153.39                | 208.2                             | -500.2     | 1,227.3              | 1,195.4               | 31.93                  | 38.441            |                    |        |
| 7,000.0  | 6,966.6             | 8,023.4             | 7,410.0             | 16.6            | 21.2        | 116.80                | 194.5                             | -500.4     | 1,195.8              | 1,164.2               | 31.65                  | 37.789            |                    |        |
| 7,100.0  | 7,061.2             | 7,992.7             | 7,410.0             | 16.7            | 20.9        | 108.28                | 163.9                             | -500.6     | 1,172.6              | 1,141.4               | 31.16                  | 37.628            |                    |        |
| 7,200.0  | 7,149.1             | 7,946.0             | 7,410.0             | 16.8            | 20.3        | 103.91                | 117.2                             | -501.0     | 1,157.5              | 1,126.9               | 30.59                  | 37.838            |                    |        |
| 7,300.0  | 7,227.6             | 7,884.7             | 7,410.0             | 16.9            | 19.6        | 100.30                | 55.8                              | -501.6     | 1,149.5              | 1,119.5               | 30.01                  | 38.307            |                    |        |
| 7,400.0  | 7,294.3             | 7,810.6             | 7,410.0             | 17.1            | 18.8        | 96.93                 | -18.2                             | -502.2     | 1,146.8              | 1,117.3               | 29.49                  | 38.885            |                    |        |
| 7,425.0  | 7,308.9             | 7,790.3             | 7,410.0             | 17.2            | 18.6        | 96.14                 | -38.5                             | -502.4     | 1,146.7              | 1,117.4               | 29.39                  | 39.016            |                    |        |
| 7,500.0  | 7,347.2             | 7,716.1             | 7,408.7             | 17.4            | 17.9        | 93.65                 | -112.7                            | -503.0     | 1,147.2              | 1,118.2               | 28.98                  | 39.592            |                    |        |
| 7,600.0  | 7,384.7             | 7,608.6             | 7,391.3             | 17.9            | 17.0        | 90.39                 | -218.6                            | -502.6     | 1,147.7              | 1,119.1               | 28.56                  | 40.188            |                    |        |
| 7,700.0  | 7,405.6             | 7,512.4             | 7,359.3             | 18.5            | 16.3        | 87.66                 | -309.3                            | -501.1     | 1,147.6              | 1,119.2               | 28.44                  | 40.347            |                    |        |
| 7,796.6  | 7,411.8             | 7,428.6             | 7,319.5             | 19.2            | 15.9        | 85.39                 | -382.9                            | -498.9     | 1,147.6              | 1,118.9               | 28.64                  | 40.072            |                    |        |
| 7,800.0  | 7,410.0             | 7,424.8             | 7,317.4             | 19.2            | 15.9        | 85.37                 | -386.1                            | -498.8     | 1,147.3              | 1,118.6               | 28.64                  | 40.054            |                    |        |
| 7,900.0  | 7,410.0             | 7,350.0             | 7,272.8             | 20.0            | 15.5        | 83.14                 | -445.9                            | -496.1     | 1,149.0              | 1,119.7               | 29.26                  | 39.271            |                    |        |
| 8,000.0  | 7,410.0             | 7,289.2             | 7,231.0             | 21.0            | 15.3        | 81.05                 | -490.0                            | -493.5     | 1,154.9              | 1,124.8               | 30.10                  | 38.371            |                    |        |
| 8,100.0  | 7,410.0             | 7,239.3             | 7,193.4             | 22.1            | 15.2        | 79.19                 | -522.6                            | -491.1     | 1,166.0              | 1,135.0               | 31.08                  | 37.519            |                    |        |
| 8,200.0  | 7,410.0             | 7,200.0             | 7,161.8             | 23.2            | 15.1        | 77.63                 | -546.0                            | -489.0     | 1,183.2              | 1,151.0               | 32.17                  | 36.780            |                    |        |
| 8,300.0  | 7,410.0             | 7,164.7             | 7,132.2             | 24.4            | 15.0        | 76.18                 | -565.1                            | -487.1     | 1,206.7              | 1,173.4               | 33.33                  | 36.209            |                    |        |
| 8,400.0  | 7,410.0             | 7,136.4             | 7,107.7             | 25.7            | 15.0        | 74.99                 | -579.0                            | -485.4     | 1,236.6              | 1,202.0               | 34.54                  | 35.796            |                    |        |
| 8,500.0  | 7,410.0             | 7,112.6             | 7,086.4             | 27.0            | 14.9        | 73.97                 | -589.8                            | -484.0     | 1,272.6              | 1,236.8               | 35.81                  | 35.538 SF         |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2E-14H-C268 - Hz - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |                | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|----------------|--------------------|--------|
| Survey Program: 0-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |                | Offset Well Error: | 0.0 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             |                       | Distance                          |            |                      | Total                 | Separation       | Warning        |                    |        |
| Measured Depth (ft)  | Vertical Depth (ft) | Measured Depth (ft) | Vertical Depth (ft) | Reference (ft)  | Offset (ft) | Highside Toolface (°) | Offset Wellbore Centre +N/-S (ft) | +E/-W (ft) | Between Centres (ft) | Between Ellipses (ft) | Uncertainty Axis | Factor         |                    |        |
| 0.0  | 0.0                 | 0.0                 | 0.0                 | 0.0             | 0.0         | -180.00               | -553.7                            | 0.0        | 553.7                |                       |                  |                |                    |        |
| 100.0  | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | -180.00               | -553.7                            | 0.0        | 553.7                | 553.4                 | 0.30             | 1,823.277      |                    |        |
| 200.0  | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | -180.00               | -553.7                            | 0.0        | 553.7                | 553.1                 | 0.65             | 848.263        |                    |        |
| 300.0  | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | -180.00               | -553.7                            | 0.0        | 553.7                | 552.7                 | 1.00             | 552.701        |                    |        |
| 400.0  | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | -180.00               | -553.7                            | 0.0        | 553.7                | 552.4                 | 1.35             | 409.884        |                    |        |
| 500.0  | 500.0               | 500.0               | 500.0               | 0.8             | 0.8         | -180.00               | -553.7                            | 0.0        | 553.7                | 552.0                 | 1.70             | 325.719 CC, ES |                    |        |
| 600.0  | 600.0               | 600.0               | 600.0               | 1.0             | 1.0         | 108.62                | -553.7                            | 0.0        | 554.3                | 552.2                 | 2.05             | 270.302        |                    |        |
| 700.0  | 699.8               | 699.8               | 699.8               | 1.2             | 1.2         | 109.10                | -553.7                            | 0.0        | 556.0                | 553.5                 | 2.41             | 230.704        |                    |        |
| 800.0  | 799.5               | 799.5               | 799.5               | 1.4             | 1.4         | 109.89                | -553.7                            | 0.0        | 558.9                | 556.1                 | 2.79             | 200.564        |                    |        |
| 900.0  | 898.9               | 898.9               | 898.9               | 1.6             | 1.5         | 110.86                | -553.7                            | 0.0        | 562.4                | 559.2                 | 3.17             | 177.251        |                    |        |
| 1,000.0  | 998.4               | 998.4               | 998.4               | 1.9             | 1.7         | 111.81                | -553.7                            | 0.0        | 566.1                | 562.5                 | 3.57             | 158.793        |                    |        |
| 1,100.0  | 1,097.9             | 1,097.9             | 1,097.9             | 2.1             | 1.9         | 112.75                | -553.7                            | 0.0        | 570.0                | 566.0                 | 3.96             | 143.911        |                    |        |
| 1,200.0  | 1,197.4             | 1,197.4             | 1,197.4             | 2.3             | 2.1         | 113.68                | -553.7                            | 0.0        | 574.0                | 569.6                 | 4.36             | 131.711        |                    |        |
| 1,300.0  | 1,296.9             | 1,296.9             | 1,296.9             | 2.6             | 2.2         | 114.60                | -553.7                            | 0.0        | 578.1                | 573.4                 | 4.76             | 121.559        |                    |        |
| 1,400.0  | 1,396.4             | 1,396.4             | 1,396.4             | 2.8             | 2.4         | 115.50                | -553.7                            | 0.0        | 582.4                | 577.3                 | 5.15             | 113.000        |                    |        |
| 1,500.0  | 1,495.9             | 1,495.9             | 1,495.9             | 3.1             | 2.6         | 116.39                | -553.7                            | 0.0        | 586.9                | 581.3                 | 5.55             | 105.699        |                    |        |
| 1,600.0  | 1,595.3             | 1,595.3             | 1,595.3             | 3.3             | 2.8         | 117.26                | -553.7                            | 0.0        | 591.5                | 585.5                 | 5.95             | 99.408         |                    |        |
| 1,700.0  | 1,694.8             | 1,694.8             | 1,694.8             | 3.5             | 2.9         | 118.12                | -553.7                            | 0.0        | 596.2                | 589.9                 | 6.35             | 93.939         |                    |        |
| 1,800.0  | 1,794.3             | 1,794.3             | 1,794.3             | 3.8             | 3.1         | 118.97                | -553.7                            | 0.0        | 601.1                | 594.3                 | 6.74             | 89.146         |                    |        |
| 1,900.0  | 1,893.8             | 1,893.8             | 1,893.8             | 4.0             | 3.3         | 119.81                | -553.7                            | 0.0        | 606.1                | 598.9                 | 7.14             | 84.917         |                    |        |
| 2,000.0  | 1,993.3             | 1,993.3             | 1,993.3             | 4.3             | 3.5         | 120.63                | -553.7                            | 0.0        | 611.2                | 603.7                 | 7.53             | 81.160         |                    |        |
| 2,100.0  | 2,092.8             | 2,092.8             | 2,092.8             | 4.5             | 3.6         | 121.43                | -553.7                            | 0.0        | 616.4                | 608.5                 | 7.92             | 77.806         |                    |        |
| 2,200.0  | 2,192.3             | 2,192.3             | 2,192.3             | 4.8             | 3.8         | 122.23                | -553.7                            | 0.0        | 621.8                | 613.5                 | 8.31             | 74.794         |                    |        |
| 2,300.0  | 2,291.7             | 2,291.7             | 2,291.7             | 5.0             | 4.0         | 123.01                | -553.7                            | 0.0        | 627.3                | 618.6                 | 8.70             | 72.077         |                    |        |
| 2,400.0  | 2,391.2             | 2,391.2             | 2,391.2             | 5.3             | 4.2         | 123.77                | -553.7                            | 0.0        | 632.9                | 623.8                 | 9.09             | 69.617         |                    |        |
| 2,500.0  | 2,490.7             | 2,490.7             | 2,490.7             | 5.5             | 4.3         | 124.53                | -553.7                            | 0.0        | 638.6                | 629.1                 | 9.48             | 67.380         |                    |        |
| 2,600.0  | 2,590.2             | 2,590.2             | 2,590.2             | 5.7             | 4.5         | 125.27                | -553.7                            | 0.0        | 644.4                | 634.5                 | 9.86             | 65.339         |                    |        |
| 2,700.0  | 2,689.7             | 2,689.7             | 2,689.7             | 6.0             | 4.7         | 125.99                | -553.7                            | 0.0        | 650.3                | 640.1                 | 10.25            | 63.470         |                    |        |
| 2,800.0  | 2,789.2             | 2,789.2             | 2,789.2             | 6.2             | 4.8         | 126.71                | -553.7                            | 0.0        | 656.3                | 645.7                 | 10.63            | 61.754         |                    |        |
| 2,900.0  | 2,888.7             | 2,888.7             | 2,888.7             | 6.5             | 5.0         | 127.41                | -553.7                            | 0.0        | 662.4                | 651.4                 | 11.01            | 60.174         |                    |        |
| 3,000.0  | 2,988.1             | 2,988.1             | 2,988.1             | 6.7             | 5.2         | 128.09                | -553.7                            | 0.0        | 668.7                | 657.3                 | 11.39            | 58.715         |                    |        |
| 3,100.0  | 3,087.6             | 3,087.6             | 3,087.6             | 7.0             | 5.4         | 128.77                | -553.7                            | 0.0        | 675.0                | 663.2                 | 11.77            | 57.365         |                    |        |
| 3,200.0  | 3,187.1             | 3,187.1             | 3,187.1             | 7.2             | 5.5         | 129.43                | -553.7                            | 0.0        | 681.4                | 669.3                 | 12.14            | 56.113         |                    |        |
| 3,300.0  | 3,286.6             | 3,286.6             | 3,286.6             | 7.5             | 5.7         | 130.08                | -553.7                            | 0.0        | 687.9                | 675.4                 | 12.52            | 54.949         |                    |        |
| 3,400.0  | 3,386.1             | 3,386.1             | 3,386.1             | 7.7             | 5.9         | 130.72                | -553.7                            | 0.0        | 694.5                | 681.6                 | 12.89            | 53.865         |                    |        |
| 3,500.0  | 3,485.6             | 3,485.6             | 3,485.6             | 8.0             | 6.1         | 131.34                | -553.7                            | 0.0        | 701.1                | 687.9                 | 13.27            | 52.853         |                    |        |
| 3,600.0  | 3,585.1             | 3,585.1             | 3,585.1             | 8.2             | 6.2         | 131.96                | -553.7                            | 0.0        | 707.9                | 694.3                 | 13.64            | 51.908         |                    |        |
| 3,700.0  | 3,684.5             | 3,684.5             | 3,684.5             | 8.5             | 6.4         | 132.56                | -553.7                            | 0.0        | 714.7                | 700.7                 | 14.01            | 51.022         |                    |        |
| 3,800.0  | 3,784.0             | 3,784.0             | 3,784.0             | 8.7             | 6.6         | 133.15                | -553.7                            | 0.0        | 721.6                | 707.3                 | 14.38            | 50.192         |                    |        |
| 3,900.0  | 3,883.5             | 3,883.5             | 3,883.5             | 9.0             | 6.8         | 133.73                | -553.7                            | 0.0        | 728.6                | 713.9                 | 14.75            | 49.412         |                    |        |
| 4,000.0  | 3,983.0             | 3,983.0             | 3,983.0             | 9.2             | 6.9         | 134.30                | -553.7                            | 0.0        | 735.7                | 720.6                 | 15.11            | 48.678         |                    |        |
| 4,100.0  | 4,082.5             | 4,082.5             | 4,082.5             | 9.5             | 7.1         | 134.86                | -553.7                            | 0.0        | 742.8                | 727.3                 | 15.48            | 47.987         |                    |        |
| 4,200.0  | 4,182.0             | 4,182.0             | 4,182.0             | 9.7             | 7.3         | 135.40                | -553.7                            | 0.0        | 750.0                | 734.2                 | 15.84            | 47.335         |                    |        |
| 4,300.0  | 4,281.5             | 4,281.5             | 4,281.5             | 10.0            | 7.4         | 135.94                | -553.7                            | 0.0        | 757.3                | 741.1                 | 16.21            | 46.720         |                    |        |
| 4,400.0  | 4,380.9             | 4,380.9             | 4,380.9             | 10.2            | 7.6         | 136.47                | -553.7                            | 0.0        | 764.6                | 748.0                 | 16.57            | 46.138         |                    |        |
| 4,500.0  | 4,480.4             | 4,480.4             | 4,480.4             | 10.5            | 7.8         | 136.98                | -553.7                            | 0.0        | 772.0                | 755.1                 | 16.93            | 45.587         |                    |        |
| 4,600.0  | 4,579.9             | 4,579.9             | 4,579.9             | 10.7            | 8.0         | 137.49                | -553.7                            | 0.0        | 779.4                | 762.1                 | 17.30            | 45.065         |                    |        |
| 4,700.0  | 4,679.4             | 4,679.4             | 4,679.4             | 11.0            | 8.1         | 137.99                | -553.7                            | 0.0        | 787.0                | 769.3                 | 17.66            | 44.571         |                    |        |
| 4,800.0  | 4,778.9             | 4,778.9             | 4,778.9             | 11.2            | 8.3         | 138.47                | -553.7                            | 0.0        | 794.5                | 776.5                 | 18.02            | 44.101         |                    |        |
| 4,900.0  | 4,878.4             | 4,878.4             | 4,878.4             | 11.5            | 8.5         | 138.95                | -553.7                            | 0.0        | 802.2                | 783.8                 | 18.38            | 43.654         |                    |        |
| 5,000.0  | 4,977.9             | 4,977.9             | 4,977.9             | 11.7            | 8.7         | 139.42                | -553.7                            | 0.0        | 809.8                | 791.1                 | 18.73            | 43.230         |                    |        |
| 5,100.0  | 5,077.3             | 5,060.4             | 5,060.4             | 11.9            | 8.8         | 139.80                | -554.3                            | -0.2       | 818.4                | 799.3                 | 19.07            | 42.923         |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design         |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|-----------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| Survey Program: 0-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| Reference             |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Warning            |        |        |
| 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 |                    |        |        |
| 5,200.0               | 5,176.8             | 5,137.7             | 5,137.6             | 12.2            | 8.9         | 140.12                | -556.8                            | -1.2       | 829.5                | 810.1                 | 19.39                  | 42.779            |                    |        |        |
| 5,300.0               | 5,276.3             | 5,219.8             | 5,219.6             | 12.4            | 9.1         | 140.42                | -561.5                            | -3.1       | 843.3                | 823.6                 | 19.73                  | 42.752            |                    |        |        |
| 5,400.0               | 5,375.8             | 5,318.6             | 5,318.2             | 12.7            | 9.3         | 140.77                | -567.7                            | -5.6       | 857.8                | 837.7                 | 20.08                  | 42.711            |                    |        |        |
| 5,500.0               | 5,475.3             | 5,417.5             | 5,416.8             | 12.9            | 9.4         | 141.10                | -574.0                            | -8.0       | 872.4                | 851.9                 | 20.44                  | 42.672            |                    |        |        |
| 5,600.0               | 5,574.8             | 5,516.3             | 5,515.4             | 13.2            | 9.6         | 141.43                | -580.3                            | -10.5      | 887.0                | 866.2                 | 20.80                  | 42.637            |                    |        |        |
| 5,700.0               | 5,674.3             | 5,615.1             | 5,613.9             | 13.4            | 9.8         | 141.74                | -586.6                            | -13.0      | 901.6                | 880.4                 | 21.16                  | 42.605            |                    |        |        |
| 5,800.0               | 5,773.7             | 5,713.9             | 5,712.5             | 13.7            | 10.0        | 142.04                | -592.9                            | -15.5      | 916.2                | 894.7                 | 21.52                  | 42.575            |                    |        |        |
| 5,900.0               | 5,873.2             | 5,812.7             | 5,811.1             | 13.9            | 10.2        | 142.34                | -599.2                            | -18.0      | 930.9                | 909.0                 | 21.88                  | 42.547            |                    |        |        |
| 6,000.0               | 5,972.7             | 5,911.5             | 5,909.7             | 14.2            | 10.3        | 142.62                | -605.5                            | -20.5      | 945.6                | 923.4                 | 22.24                  | 42.521            |                    |        |        |
| 6,100.0               | 6,072.2             | 6,010.3             | 6,008.2             | 14.4            | 10.5        | 142.90                | -611.7                            | -23.0      | 960.3                | 937.7                 | 22.60                  | 42.497            |                    |        |        |
| 6,200.0               | 6,171.7             | 6,109.1             | 6,106.8             | 14.7            | 10.7        | 143.17                | -618.0                            | -25.4      | 975.1                | 952.1                 | 22.96                  | 42.475            |                    |        |        |
| 6,300.0               | 6,271.2             | 6,207.9             | 6,205.4             | 14.9            | 10.9        | 143.43                | -624.3                            | -27.9      | 989.8                | 966.5                 | 23.31                  | 42.454            |                    |        |        |
| 6,400.0               | 6,370.7             | 6,306.7             | 6,304.0             | 15.2            | 11.1        | 143.68                | -630.6                            | -30.4      | 1,004.6              | 980.9                 | 23.67                  | 42.435            |                    |        |        |
| 6,500.0               | 6,470.1             | 7,798.8             | 7,203.0             | 15.4            | 19.1        | -163.43               | 187.8                             | -53.1      | 957.1                | 926.4                 | 30.71                  | 31.168            |                    |        |        |
| 6,600.0               | 6,569.6             | 7,802.0             | 7,203.0             | 15.7            | 19.1        | -163.16               | 191.0                             | -53.1      | 890.0                | 859.0                 | 30.94                  | 28.761            |                    |        |        |
| 6,700.0               | 6,669.1             | 7,805.2             | 7,203.0             | 15.9            | 19.2        | -162.89               | 194.2                             | -53.1      | 829.5                | 798.3                 | 31.18                  | 26.602            |                    |        |        |
| 6,800.0               | 6,768.6             | 7,808.4             | 7,203.0             | 16.2            | 19.2        | -162.62               | 197.4                             | -53.1      | 777.2                | 745.8                 | 31.42                  | 24.737            |                    |        |        |
| 6,900.0               | 6,868.1             | 7,809.6             | 7,203.0             | 16.4            | 19.2        | 152.96                | 198.6                             | -53.1      | 734.8                | 703.1                 | 31.68                  | 23.192            |                    |        |        |
| 7,000.0               | 6,966.6             | 7,795.8             | 7,203.0             | 16.6            | 19.0        | 115.81                | 184.8                             | -53.1      | 704.2                | 672.5                 | 31.63                  | 22.264            |                    |        |        |
| 7,100.0               | 7,061.2             | 7,765.1             | 7,203.0             | 16.7            | 18.6        | 105.68                | 154.1                             | -53.1      | 686.8                | 655.5                 | 31.21                  | 22.003 SF         |                    |        |        |
| 7,193.6               | 7,143.7             | 7,721.7             | 7,203.0             | 16.8            | 18.1        | 99.28                 | 110.8                             | -53.1      | 681.9                | 651.2                 | 30.64                  | 22.254            |                    |        |        |
| 7,200.0               | 7,149.1             | 7,718.3             | 7,203.0             | 16.8            | 18.0        | 98.86                 | 107.3                             | -53.1      | 681.9                | 651.3                 | 30.60                  | 22.286            |                    |        |        |
| 7,300.0               | 7,227.6             | 7,656.9             | 7,203.0             | 16.9            | 17.2        | 92.31                 | 45.9                              | -53.1      | 686.9                | 656.9                 | 29.95                  | 22.933            |                    |        |        |
| 7,400.0               | 7,294.3             | 7,582.8             | 7,203.0             | 17.1            | 16.3        | 85.97                 | -28.2                             | -53.1      | 697.8                | 668.5                 | 29.29                  | 23.822            |                    |        |        |
| 7,500.0               | 7,347.2             | 7,504.6             | 7,202.3             | 17.4            | 15.5        | 80.60                 | -106.4                            | -53.1      | 710.7                | 682.0                 | 28.68                  | 24.782            |                    |        |        |
| 7,600.0               | 7,384.7             | 7,435.1             | 7,194.5             | 17.9            | 14.8        | 76.32                 | -175.4                            | -52.9      | 723.9                | 695.7                 | 28.20                  | 25.665            |                    |        |        |
| 7,700.0               | 7,405.6             | 7,367.8             | 7,179.2             | 18.5            | 14.1        | 72.72                 | -240.9                            | -52.5      | 736.5                | 708.7                 | 27.78                  | 26.509            |                    |        |        |
| 7,800.0               | 7,410.0             | 7,300.0             | 7,156.0             | 19.2            | 13.6        | 70.00                 | -304.5                            | -51.9      | 747.9                | 720.3                 | 27.57                  | 27.131            |                    |        |        |
| 7,900.0               | 7,410.0             | 7,250.0             | 7,134.2             | 20.0            | 13.3        | 68.40                 | -349.5                            | -51.4      | 762.9                | 734.9                 | 28.02                  | 27.222            |                    |        |        |
| 8,000.0               | 7,410.0             | 7,187.9             | 7,101.8             | 21.0            | 12.9        | 66.09                 | -402.5                            | -50.6      | 783.9                | 755.5                 | 28.44                  | 27.565            |                    |        |        |
| 8,100.0               | 7,410.0             | 7,150.0             | 7,079.3             | 22.1            | 12.7        | 64.52                 | -432.9                            | -50.0      | 811.7                | 782.5                 | 29.16                  | 27.838            |                    |        |        |
| 8,200.0               | 7,410.0             | 7,100.0             | 7,046.6             | 23.2            | 12.5        | 62.32                 | -470.7                            | -49.2      | 846.1                | 816.4                 | 29.77                  | 28.425            |                    |        |        |
| 8,300.0               | 7,410.0             | 7,050.0             | 7,010.7             | 24.4            | 12.4        | 59.99                 | -505.5                            | -48.3      | 887.5                | 857.1                 | 30.37                  | 29.226            |                    |        |        |
| 8,400.0               | 7,410.0             | 7,028.5             | 6,994.4             | 25.7            | 12.3        | 58.97                 | -519.5                            | -47.8      | 935.0                | 903.7                 | 31.33                  | 29.845            |                    |        |        |
| 8,500.0               | 7,410.0             | 7,000.0             | 6,972.0             | 27.0            | 12.2        | 57.59                 | -537.1                            | -47.3      | 988.5                | 956.3                 | 32.19                  | 30.712            |                    |        |        |
| 8,600.0               | 7,410.0             | 6,974.9             | 6,951.5             | 28.4            | 12.2        | 56.37                 | -551.6                            | -46.8      | 1,047.3              | 1,014.2               | 33.08                  | 31.656            |                    |        |        |
| 8,700.0               | 7,410.0             | 6,950.0             | 6,930.6             | 29.8            | 12.1        | 55.15                 | -565.1                            | -46.2      | 1,110.8              | 1,076.9               | 33.96                  | 32.707            |                    |        |        |
| 8,800.0               | 7,410.0             | 6,932.8             | 6,915.9             | 31.3            | 12.1        | 54.31                 | -573.9                            | -45.9      | 1,178.5              | 1,143.5               | 34.96                  | 33.712            |                    |        |        |
| 8,900.0               | 7,410.0             | 6,900.0             | 6,887.0             | 32.7            | 12.1        | 52.72                 | -589.4                            | -45.1      | 1,250.0              | 1,214.3               | 35.65                  | 35.063            |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2F-14H-C268 - Hz - Plan #1 |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| Survey Program: 0-MWD  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Reference  |                     | Offset              |                     | Semi Major Axis |             | Distance              |                                   |            |                      |                       |                        |                   | 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         | 179.13                | -553.7                            | 8.4        | 553.8                |                       |                        |                   |                    |        |
| 100.0  | 100.0               | 100.0               | 100.0               | 0.2             | 0.2         | 179.13                | -553.7                            | 8.4        | 553.8                | 553.5                 | 0.30                   | 1,823.487         |                    |        |
| 200.0  | 200.0               | 200.0               | 200.0               | 0.3             | 0.3         | 179.13                | -553.7                            | 8.4        | 553.8                | 553.1                 | 0.65                   | 848.361           |                    |        |
| 300.0  | 300.0               | 300.0               | 300.0               | 0.5             | 0.5         | 179.13                | -553.7                            | 8.4        | 553.8                | 552.8                 | 1.00                   | 552.765           |                    |        |
| 400.0  | 400.0               | 400.0               | 400.0               | 0.7             | 0.7         | 179.13                | -553.7                            | 8.4        | 553.8                | 552.4                 | 1.35                   | 409.931           |                    |        |
| 500.0  | 500.0               | 500.0               | 500.0               | 0.8             | 0.8         | 179.13                | -553.7                            | 8.4        | 553.8                | 552.1                 | 1.70                   | 325.757           |                    |        |
| 600.0  | 600.0               | 600.0               | 600.0               | 1.0             | 1.0         | 107.76                | -553.7                            | 8.4        | 554.3                | 552.2                 | 2.05                   | 270.318           |                    |        |
| 700.0  | 699.8               | 693.5               | 693.5               | 1.2             | 1.2         | 108.05                | -554.2                            | 9.8        | 556.5                | 554.1                 | 2.40                   | 231.850           |                    |        |
| 800.0  | 799.5               | 790.6               | 790.5               | 1.4             | 1.4         | 108.39                | -555.7                            | 13.8       | 560.7                | 558.0                 | 2.78                   | 201.860           |                    |        |
| 900.0  | 898.9               | 890.4               | 890.2               | 1.6             | 1.5         | 108.93                | -557.3                            | 18.1       | 565.6                | 562.4                 | 3.17                   | 178.221           |                    |        |
| 1,000.0  | 998.4               | 990.1               | 989.8               | 1.9             | 1.7         | 109.45                | -558.9                            | 22.5       | 570.4                | 566.9                 | 3.58                   | 159.467           |                    |        |
| 1,100.0  | 1,097.9             | 1,089.9             | 1,089.4             | 2.1             | 1.9         | 109.97                | -560.5                            | 26.8       | 575.4                | 571.4                 | 3.99                   | 144.331           |                    |        |
| 1,200.0  | 1,197.4             | 1,189.6             | 1,189.1             | 2.3             | 2.1         | 110.47                | -562.1                            | 31.2       | 580.4                | 576.0                 | 4.40                   | 131.912           |                    |        |
| 1,300.0  | 1,296.9             | 1,289.4             | 1,288.7             | 2.6             | 2.3         | 110.97                | -563.7                            | 35.5       | 585.4                | 580.6                 | 4.82                   | 121.569           |                    |        |
| 1,400.0  | 1,396.4             | 1,389.1             | 1,388.3             | 2.8             | 2.5         | 111.46                | -565.3                            | 39.9       | 590.4                | 585.2                 | 5.23                   | 112.839           |                    |        |
| 1,500.0  | 1,495.9             | 1,488.8             | 1,488.0             | 3.1             | 2.7         | 111.94                | -566.9                            | 44.2       | 595.5                | 589.9                 | 5.65                   | 105.384           |                    |        |
| 1,600.0  | 1,595.3             | 1,588.6             | 1,587.6             | 3.3             | 2.9         | 112.41                | -568.5                            | 48.6       | 600.7                | 594.6                 | 6.07                   | 98.950            |                    |        |
| 1,700.0  | 1,694.8             | 1,688.3             | 1,687.3             | 3.5             | 3.0         | 112.87                | -570.1                            | 52.9       | 605.9                | 599.4                 | 6.49                   | 93.347            |                    |        |
| 1,800.0  | 1,794.3             | 1,788.1             | 1,786.9             | 3.8             | 3.2         | 113.33                | -571.7                            | 57.2       | 611.1                | 604.2                 | 6.91                   | 88.426            |                    |        |
| 1,900.0  | 1,893.8             | 1,887.8             | 1,886.5             | 4.0             | 3.4         | 113.78                | -573.3                            | 61.6       | 616.4                | 609.0                 | 7.33                   | 84.074            |                    |        |
| 2,000.0  | 1,993.3             | 1,987.6             | 1,986.2             | 4.3             | 3.6         | 114.22                | -574.8                            | 65.9       | 621.7                | 613.9                 | 7.75                   | 80.198            |                    |        |
| 2,100.0  | 2,092.8             | 2,087.3             | 2,085.8             | 4.5             | 3.8         | 114.65                | -576.4                            | 70.3       | 627.0                | 618.8                 | 8.17                   | 76.726            |                    |        |
| 2,200.0  | 2,192.3             | 2,187.1             | 2,185.5             | 4.8             | 4.0         | 115.08                | -578.0                            | 74.6       | 632.4                | 623.8                 | 8.59                   | 73.600            |                    |        |
| 2,300.0  | 2,291.7             | 2,286.8             | 2,285.1             | 5.0             | 4.2         | 115.50                | -579.6                            | 79.0       | 637.8                | 628.8                 | 9.01                   | 70.771            |                    |        |
| 2,400.0  | 2,391.2             | 2,386.6             | 2,384.7             | 5.3             | 4.4         | 115.91                | -581.2                            | 83.3       | 643.2                | 633.8                 | 9.43                   | 68.200            |                    |        |
| 2,500.0  | 2,490.7             | 2,486.3             | 2,484.4             | 5.5             | 4.6         | 116.32                | -582.8                            | 87.7       | 648.7                | 638.8                 | 9.85                   | 65.853            |                    |        |
| 2,600.0  | 2,590.2             | 2,586.1             | 2,584.0             | 5.7             | 4.8         | 116.72                | -584.4                            | 92.0       | 654.2                | 643.9                 | 10.27                  | 63.704            |                    |        |
| 2,700.0  | 2,689.7             | 2,685.8             | 2,683.6             | 6.0             | 5.0         | 117.11                | -586.0                            | 96.3       | 659.7                | 649.1                 | 10.69                  | 61.728            |                    |        |
| 2,800.0  | 2,789.2             | 2,785.5             | 2,783.3             | 6.2             | 5.1         | 117.49                | -587.6                            | 100.7      | 665.3                | 654.2                 | 11.11                  | 59.906            |                    |        |
| 2,900.0  | 2,888.7             | 2,885.3             | 2,882.9             | 6.5             | 5.3         | 117.87                | -589.2                            | 105.0      | 670.9                | 659.4                 | 11.52                  | 58.222            |                    |        |
| 3,000.0  | 2,988.1             | 2,985.0             | 2,982.6             | 6.7             | 5.5         | 118.24                | -590.8                            | 109.4      | 676.5                | 664.6                 | 11.94                  | 56.660            |                    |        |
| 3,100.0  | 3,087.6             | 3,084.8             | 3,082.2             | 7.0             | 5.7         | 118.61                | -592.4                            | 113.7      | 682.2                | 669.8                 | 12.36                  | 55.207            |                    |        |
| 3,200.0  | 3,187.1             | 3,184.5             | 3,181.8             | 7.2             | 5.9         | 118.97                | -594.0                            | 118.1      | 687.9                | 675.1                 | 12.77                  | 53.854            |                    |        |
| 3,300.0  | 3,286.6             | 3,284.3             | 3,281.5             | 7.5             | 6.1         | 119.32                | -595.6                            | 122.4      | 693.6                | 680.4                 | 13.19                  | 52.590            |                    |        |
| 3,400.0  | 3,386.1             | 3,384.0             | 3,381.1             | 7.7             | 6.3         | 119.67                | -597.2                            | 126.8      | 699.3                | 685.7                 | 13.60                  | 51.407            |                    |        |
| 3,500.0  | 3,485.6             | 3,483.8             | 3,480.8             | 8.0             | 6.5         | 120.02                | -598.8                            | 131.1      | 705.1                | 691.0                 | 14.02                  | 50.298            |                    |        |
| 3,600.0  | 3,585.1             | 3,583.5             | 3,580.4             | 8.2             | 6.7         | 120.35                | -600.4                            | 135.4      | 710.8                | 696.4                 | 14.43                  | 49.256            |                    |        |
| 3,700.0  | 3,684.5             | 3,683.3             | 3,680.0             | 8.5             | 6.9         | 120.69                | -602.0                            | 139.8      | 716.7                | 701.8                 | 14.85                  | 48.275            |                    |        |
| 3,800.0  | 3,784.0             | 3,783.0             | 3,779.7             | 8.7             | 7.1         | 121.01                | -603.6                            | 144.1      | 722.5                | 707.2                 | 15.26                  | 47.351            |                    |        |
| 3,900.0  | 3,883.5             | 3,882.7             | 3,879.3             | 9.0             | 7.3         | 121.33                | -605.2                            | 148.5      | 728.3                | 712.7                 | 15.67                  | 46.478            |                    |        |
| 4,000.0  | 3,983.0             | 3,982.5             | 3,978.9             | 9.2             | 7.4         | 121.65                | -606.8                            | 152.8      | 734.2                | 718.1                 | 16.08                  | 45.653            |                    |        |
| 4,100.0  | 4,082.5             | 4,082.2             | 4,078.6             | 9.5             | 7.6         | 121.96                | -608.4                            | 157.2      | 740.1                | 723.6                 | 16.49                  | 44.872            |                    |        |
| 4,200.0  | 4,182.0             | 4,182.0             | 4,178.2             | 9.7             | 7.8         | 122.27                | -610.0                            | 161.5      | 746.0                | 729.1                 | 16.90                  | 44.131            |                    |        |
| 4,300.0  | 4,281.5             | 4,281.7             | 4,277.9             | 10.0            | 8.0         | 122.57                | -611.6                            | 165.9      | 752.0                | 734.7                 | 17.32                  | 43.429            |                    |        |
| 4,400.0  | 4,380.9             | 4,381.5             | 4,377.5             | 10.2            | 8.2         | 122.87                | -613.2                            | 170.2      | 757.9                | 740.2                 | 17.73                  | 42.761            |                    |        |
| 4,500.0  | 4,480.4             | 4,481.2             | 4,477.1             | 10.5            | 8.4         | 123.16                | -614.7                            | 174.5      | 763.9                | 745.8                 | 18.13                  | 42.125            |                    |        |
| 4,600.0  | 4,579.9             | 4,581.0             | 4,576.8             | 10.7            | 8.6         | 123.44                | -616.3                            | 178.9      | 769.9                | 751.4                 | 18.54                  | 41.520            |                    |        |
| 4,700.0  | 4,679.4             | 4,680.7             | 4,676.4             | 11.0            | 8.8         | 123.73                | -617.9                            | 183.2      | 775.9                | 757.0                 | 18.95                  | 40.943            |                    |        |
| 4,800.0  | 4,778.9             | 4,780.5             | 4,776.0             | 11.2            | 9.0         | 124.01                | -619.5                            | 187.6      | 782.0                | 762.6                 | 19.36                  | 40.392            |                    |        |
| 4,900.0  | 4,878.4             | 4,880.2             | 4,875.7             | 11.5            | 9.2         | 124.28                | -621.1                            | 191.9      | 788.0                | 768.3                 | 19.77                  | 39.866            |                    |        |
| 5,000.0  | 4,977.9             | 4,979.9             | 4,975.3             | 11.7            | 9.4         | 124.55                | -622.7                            | 196.3      | 794.1                | 773.9                 | 20.17                  | 39.362            |                    |        |
| 5,100.0  | 5,077.3             | 5,079.7             | 5,075.0             | 11.9            | 9.6         | 124.82                | -624.3                            | 200.6      | 800.2                | 779.6                 | 20.58                  | 38.881            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design             |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Site Error: | 0.0 ft |        |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|--------|
| Survey Program: 0-MWD     |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Well Error: |        | 0.0 ft |
| Reference                 |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Warning            |        |        |
| Offset                    |                           |                           |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning            |        |        |
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |                    |        |        |
| 5,200.0                   | 5,176.8                   | 5,179.4                   | 5,174.6                   | 12.2              | 9.7            | 125.08                      | -625.9                                  | 205.0         | 806.3                      | 785.3                       | 20.99                        | 38.420               |                    |        |        |
| 5,300.0                   | 5,276.3                   | 5,279.2                   | 5,274.2                   | 12.4              | 9.9            | 125.34                      | -627.5                                  | 209.3         | 812.4                      | 791.0                       | 21.39                        | 37.977               |                    |        |        |
| 5,400.0                   | 5,375.8                   | 5,378.9                   | 5,373.9                   | 12.7              | 10.1           | 125.59                      | -629.1                                  | 213.6         | 818.6                      | 796.8                       | 21.80                        | 37.553               |                    |        |        |
| 5,500.0                   | 5,475.3                   | 5,478.7                   | 5,473.5                   | 12.9              | 10.3           | 125.84                      | -630.7                                  | 218.0         | 824.7                      | 802.5                       | 22.20                        | 37.146               |                    |        |        |
| 5,600.0                   | 5,574.8                   | 5,578.4                   | 5,573.2                   | 13.2              | 10.5           | 126.09                      | -632.3                                  | 222.3         | 830.9                      | 808.3                       | 22.61                        | 36.755               |                    |        |        |
| 5,700.0                   | 5,674.3                   | 5,678.2                   | 5,672.8                   | 13.4              | 10.7           | 126.33                      | -633.9                                  | 226.7         | 837.1                      | 814.1                       | 23.01                        | 36.378               |                    |        |        |
| 5,800.0                   | 5,773.7                   | 5,777.9                   | 5,772.4                   | 13.7              | 10.9           | 126.57                      | -635.5                                  | 231.0         | 843.3                      | 819.9                       | 23.41                        | 36.016               |                    |        |        |
| 5,900.0                   | 5,873.2                   | 5,877.7                   | 5,872.1                   | 13.9              | 11.1           | 126.81                      | -637.1                                  | 235.4         | 849.5                      | 825.7                       | 23.82                        | 35.668               |                    |        |        |
| 6,000.0                   | 5,972.7                   | 5,977.4                   | 5,971.7                   | 14.2              | 11.3           | 127.04                      | -638.7                                  | 239.7         | 855.7                      | 831.5                       | 24.22                        | 35.332               |                    |        |        |
| 6,100.0                   | 6,072.2                   | 6,077.2                   | 6,071.3                   | 14.4              | 11.5           | 127.27                      | -640.3                                  | 244.1         | 862.0                      | 837.4                       | 24.62                        | 35.008               |                    |        |        |
| 6,200.0                   | 6,171.7                   | 6,176.9                   | 6,171.0                   | 14.7              | 11.7           | 127.50                      | -641.9                                  | 248.4         | 868.3                      | 843.2                       | 25.02                        | 34.696               |                    |        |        |
| 6,300.0                   | 6,271.2                   | 6,276.6                   | 6,270.6                   | 14.9              | 11.9           | 127.72                      | -643.5                                  | 252.7         | 874.5                      | 849.1                       | 25.43                        | 34.395               |                    |        |        |
| 6,400.0                   | 6,370.7                   | 6,376.4                   | 6,370.3                   | 15.2              | 12.0           | 127.94                      | -645.1                                  | 257.1         | 880.8                      | 855.0                       | 25.83                        | 34.104               |                    |        |        |
| 6,500.0                   | 6,470.1                   | 7,868.1                   | 7,269.0                   | 15.4              | 19.8           | -165.76                     | 187.8                                   | 296.3         | 842.1                      | 811.6                       | 30.45                        | 27.653               |                    |        |        |
| 6,600.0                   | 6,569.6                   | 7,871.3                   | 7,269.0                   | 15.7              | 19.8           | -165.22                     | 191.0                                   | 296.3         | 751.8                      | 721.1                       | 30.73                        | 24.463               |                    |        |        |
| 6,700.0                   | 6,669.1                   | 7,874.5                   | 7,269.0                   | 15.9              | 19.9           | -164.69                     | 194.2                                   | 296.3         | 664.3                      | 633.3                       | 31.02                        | 21.420               |                    |        |        |
| 6,800.0                   | 6,768.6                   | 7,877.7                   | 7,269.0                   | 16.2              | 19.9           | -164.15                     | 197.4                                   | 296.3         | 580.9                      | 549.6                       | 31.30                        | 18.560               |                    |        |        |
| 6,900.0                   | 6,868.1                   | 7,879.0                   | 7,269.0                   | 16.4              | 19.9           | 154.97                      | 198.6                                   | 296.3         | 503.5                      | 471.4                       | 32.11                        | 15.679               |                    |        |        |
| 7,000.0                   | 6,966.6                   | 7,865.2                   | 7,269.0                   | 16.6              | 19.8           | 122.68                      | 184.8                                   | 296.3         | 435.9                      | 403.3                       | 32.63                        | 13.361               |                    |        |        |
| 7,100.0                   | 7,061.2                   | 7,834.4                   | 7,269.0                   | 16.7              | 19.4           | 114.56                      | 154.1                                   | 296.3         | 383.7                      | 351.6                       | 32.15                        | 11.935               |                    |        |        |
| 7,200.0                   | 7,149.1                   | 7,787.7                   | 7,269.0                   | 16.8              | 18.8           | 107.37                      | 107.3                                   | 296.3         | 351.5                      | 320.3                       | 31.15                        | 11.282 SF            |                    |        |        |
| 7,300.0                   | 7,227.6                   | 7,726.3                   | 7,269.0                   | 16.9              | 18.0           | 98.49                       | 45.9                                    | 296.3         | 339.6                      | 309.5                       | 30.09                        | 11.286               |                    |        |        |
| 7,318.9                   | 7,241.2                   | 7,713.2                   | 7,269.0                   | 17.0              | 17.9           | 96.65                       | 32.8                                    | 296.3         | 339.3                      | 309.4                       | 29.91                        | 11.345 CC, ES        |                    |        |        |
| 7,400.0                   | 7,294.3                   | 7,652.1                   | 7,269.0                   | 17.1              | 17.2           | 88.62                       | -28.2                                   | 296.3         | 343.4                      | 314.2                       | 29.16                        | 11.775               |                    |        |        |
| 7,500.0                   | 7,347.2                   | 7,572.5                   | 7,268.2                   | 17.4              | 16.3           | 79.75                       | -107.8                                  | 296.2         | 355.3                      | 327.0                       | 28.34                        | 12.539               |                    |        |        |
| 7,600.0                   | 7,384.7                   | 7,500.0                   | 7,259.8                   | 17.9              | 15.6           | 72.44                       | -179.8                                  | 295.9         | 371.6                      | 344.0                       | 27.60                        | 13.463               |                    |        |        |
| 7,700.0                   | 7,405.6                   | 7,430.0                   | 7,243.1                   | 18.5              | 15.0           | 66.22                       | -247.7                                  | 295.1         | 390.2                      | 363.4                       | 26.83                        | 14.546               |                    |        |        |
| 7,800.0                   | 7,410.0                   | 7,362.4                   | 7,219.2                   | 19.2              | 14.5           | 61.53                       | -310.9                                  | 294.1         | 409.5                      | 383.3                       | 26.24                        | 15.607               |                    |        |        |
| 7,900.0                   | 7,410.0                   | 7,300.0                   | 7,190.8                   | 20.0              | 14.1           | 58.10                       | -366.4                                  | 292.9         | 435.2                      | 409.1                       | 26.17                        | 16.632               |                    |        |        |
| 8,000.0                   | 7,410.0                   | 7,250.0                   | 7,163.7                   | 21.0              | 13.9           | 55.08                       | -408.4                                  | 291.7         | 470.2                      | 443.9                       | 26.30                        | 17.875               |                    |        |        |
| 8,100.0                   | 7,410.0                   | 7,200.0                   | 7,133.1                   | 22.1              | 13.7           | 51.94                       | -447.9                                  | 290.3         | 514.0                      | 487.6                       | 26.42                        | 19.453               |                    |        |        |
| 8,200.0                   | 7,410.0                   | 7,150.0                   | 7,099.2                   | 23.2              | 13.5           | 48.76                       | -484.6                                  | 288.9         | 566.1                      | 539.6                       | 26.51                        | 21.351               |                    |        |        |
| 8,300.0                   | 7,410.0                   | 7,117.4                   | 7,075.4                   | 24.4              | 13.4           | 46.72                       | -506.8                                  | 287.8         | 625.4                      | 598.5                       | 26.92                        | 23.235               |                    |        |        |
| 8,400.0                   | 7,410.0                   | 7,085.2                   | 7,050.7                   | 25.7              | 13.3           | 44.74                       | -527.5                                  | 286.8         | 690.8                      | 663.5                       | 27.30                        | 25.303               |                    |        |        |
| 8,500.0                   | 7,410.0                   | 7,050.0                   | 7,022.4                   | 27.0              | 13.2           | 42.65                       | -548.4                                  | 285.5         | 761.3                      | 733.7                       | 27.60                        | 27.588               |                    |        |        |
| 8,600.0                   | 7,410.0                   | 7,032.2                   | 7,007.6                   | 28.4              | 13.2           | 41.62                       | -558.3                                  | 284.9         | 835.9                      | 807.7                       | 28.24                        | 29.604               |                    |        |        |
| 8,700.0                   | 7,410.0                   | 7,000.0                   | 6,980.1                   | 29.8              | 13.1           | 39.83                       | -575.0                                  | 283.7         | 914.2                      | 885.7                       | 28.54                        | 32.028               |                    |        |        |
| 8,800.0                   | 7,410.0                   | 7,000.0                   | 6,980.1                   | 31.3              | 13.1           | 39.83                       | -575.0                                  | 283.7         | 995.2                      | 965.6                       | 29.55                        | 33.682               |                    |        |        |
| 8,900.0                   | 7,410.0                   | 6,973.7                   | 6,957.0                   | 32.7              | 13.1           | 38.42                       | -587.5                                  | 282.7         | 1,078.4                    | 1,048.5                     | 29.94                        | 36.019               |                    |        |        |
| 9,000.0                   | 7,410.0                   | 6,950.0                   | 6,935.7                   | 34.3              | 13.0           | 37.21                       | -597.8                                  | 281.7         | 1,163.9                    | 1,133.5                     | 30.37                        | 38.326               |                    |        |        |
| 9,100.0                   | 7,410.0                   | 6,950.0                   | 6,935.7                   | 35.8              | 13.0           | 37.21                       | -597.8                                  | 281.7         | 1,250.8                    | 1,219.5                     | 31.35                        | 39.904               |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - MDM 33-14 (EXISTING) - EXISTING - NO SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: | 0.0 ft |
| Survey Program: 8000-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |
| 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            |        |
| 8,900.0  | 7,410.0             | 7,398.0             | 7,398.0             | 32.7            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,235.4              | 1,191.8               | 43.60                  | 28.336            |                    |        |
| 9,000.0  | 7,410.0             | 7,398.0             | 7,398.0             | 34.3            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,161.2              | 1,116.0               | 45.20                  | 25.689            |                    |        |
| 9,100.0  | 7,410.0             | 7,398.0             | 7,398.0             | 35.8            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,091.1              | 1,044.3               | 46.82                  | 23.304            |                    |        |
| 9,200.0  | 7,410.0             | 7,398.0             | 7,398.0             | 37.3            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,026.0              | 977.6                 | 48.45                  | 21.176            |                    |        |
| 9,300.0  | 7,410.0             | 7,398.0             | 7,398.0             | 38.9            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 966.9                | 916.8                 | 50.09                  | 19.302            |                    |        |
| 9,400.0  | 7,410.0             | 7,398.0             | 7,398.0             | 40.5            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 914.9                | 863.1                 | 51.75                  | 17.681            |                    |        |
| 9,500.0  | 7,410.0             | 7,398.0             | 7,398.0             | 42.1            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 871.3                | 817.9                 | 53.41                  | 16.315            |                    |        |
| 9,600.0  | 7,410.0             | 7,398.0             | 7,398.0             | 43.7            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 837.5                | 782.4                 | 55.07                  | 15.206            |                    |        |
| 9,700.0  | 7,410.0             | 7,398.0             | 7,398.0             | 45.3            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 814.6                | 757.8                 | 56.75                  | 14.354            |                    |        |
| 9,800.0  | 7,410.0             | 7,398.0             | 7,398.0             | 46.9            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 803.5                | 745.1                 | 58.43                  | 13.752            |                    |        |
| 9,839.2  | 7,410.0             | 7,398.0             | 7,398.0             | 47.6            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 802.6                | 743.5                 | 59.09                  | 13.582            | CC, ES             |        |
| 9,900.0  | 7,410.0             | 7,398.0             | 7,398.0             | 48.6            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 804.9                | 744.8                 | 60.12                  | 13.389            |                    |        |
| 10,000.0   | 7,410.0             | 7,398.0             | 7,398.0             | 50.2            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 818.5                | 756.7                 | 61.81                  | 13.244            | SF                 |        |
| 10,100.0   | 7,410.0             | 7,398.0             | 7,398.0             | 51.9            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 843.9                | 780.4                 | 63.50                  | 13.289            |                    |        |
| 10,200.0   | 7,410.0             | 7,398.0             | 7,398.0             | 53.5            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 880.0                | 814.8                 | 65.20                  | 13.496            |                    |        |
| 10,300.0   | 7,410.0             | 7,398.0             | 7,398.0             | 55.2            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 925.5                | 858.6                 | 66.90                  | 13.833            |                    |        |
| 10,400.0   | 7,410.0             | 7,398.0             | 7,398.0             | 56.9            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 979.1                | 910.5                 | 68.61                  | 14.271            |                    |        |
| 10,500.0   | 7,410.0             | 7,398.0             | 7,398.0             | 58.5            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,039.6              | 969.3                 | 70.32                  | 14.785            |                    |        |
| 10,600.0   | 7,410.0             | 7,398.0             | 7,398.0             | 60.2            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,105.9              | 1,033.9               | 72.03                  | 15.353            |                    |        |
| 10,700.0   | 7,410.0             | 7,398.0             | 7,398.0             | 61.9            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,176.9              | 1,103.2               | 73.74                  | 15.960            |                    |        |
| 10,800.0   | 7,410.0             | 7,398.0             | 7,398.0             | 63.6            | 12.9        | -90.00                | -2,453.0                          | 1,418.6    | 1,251.9              | 1,176.5               | 75.46                  | 16.591            |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error: | 0.0 ft |        |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--------------------|--------|--------|
| S14-T2N-R68W (Grant Elmquist/Salisbury) - MDM 34-14 (EXISTING) - EXISTING - NO SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Well Error: |        | 0.0 ft |
| Survey Program: 8000-MWD   |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   |                    |        |        |
| 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            |        |        |
| 10,400.0   | 7,410.0             | 7,407.0             | 7,407.0             | 56.9            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,250.2              | 1,181.5               | 68.63                  | 18.217            |                    |        |        |
| 10,500.0   | 7,410.0             | 7,407.0             | 7,407.0             | 58.5            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,175.0              | 1,104.6               | 70.34                  | 16.705            |                    |        |        |
| 10,600.0   | 7,410.0             | 7,407.0             | 7,407.0             | 60.2            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,103.7              | 1,031.7               | 72.05                  | 15.320            |                    |        |        |
| 10,700.0   | 7,410.0             | 7,407.0             | 7,407.0             | 61.9            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,037.2              | 963.5                 | 73.76                  | 14.062            |                    |        |        |
| 10,800.0   | 7,410.0             | 7,407.0             | 7,407.0             | 63.6            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 976.5                | 901.0                 | 75.48                  | 12.938            |                    |        |        |
| 10,900.0   | 7,410.0             | 7,407.0             | 7,407.0             | 65.3            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 922.6                | 845.4                 | 77.19                  | 11.952            |                    |        |        |
| 11,000.0   | 7,410.0             | 7,407.0             | 7,407.0             | 67.0            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 876.8                | 797.9                 | 78.91                  | 11.111            |                    |        |        |
| 11,100.0   | 7,410.0             | 7,407.0             | 7,407.0             | 68.7            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 840.5                | 759.9                 | 80.64                  | 10.424            |                    |        |        |
| 11,200.0   | 7,410.0             | 7,407.0             | 7,407.0             | 70.4            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 815.0                | 732.6                 | 82.36                  | 9.895             |                    |        |        |
| 11,300.0   | 7,410.0             | 7,407.0             | 7,407.0             | 72.1            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 801.1                | 717.1                 | 84.09                  | 9.528             |                    |        |        |
| 11,361.7   | 7,410.0             | 7,407.0             | 7,407.0             | 73.1            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 798.8                | 713.6                 | 85.15                  | 9.381             | CC, ES             |        |        |
| 11,400.0   | 7,410.0             | 7,407.0             | 7,407.0             | 73.8            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 799.7                | 713.9                 | 85.81                  | 9.319             |                    |        |        |
| 11,500.0   | 7,410.0             | 7,407.0             | 7,407.0             | 75.5            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 810.7                | 723.1                 | 87.54                  | 9.260             | SF                 |        |        |
| 11,600.0   | 7,410.0             | 7,407.0             | 7,407.0             | 77.2            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 833.6                | 744.3                 | 89.27                  | 9.338             |                    |        |        |
| 11,700.0   | 7,410.0             | 7,407.0             | 7,407.0             | 78.9            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 867.5                | 776.5                 | 91.00                  | 9.533             |                    |        |        |
| 11,800.0   | 7,410.0             | 7,407.0             | 7,407.0             | 80.6            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 911.1                | 818.4                 | 92.73                  | 9.826             |                    |        |        |
| 11,900.0   | 7,410.0             | 7,407.0             | 7,407.0             | 82.3            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 963.2                | 868.8                 | 94.46                  | 10.197            |                    |        |        |
| 12,000.0   | 7,410.0             | 7,407.0             | 7,407.0             | 84.0            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,022.5              | 926.3                 | 96.19                  | 10.629            |                    |        |        |
| 12,100.0   | 7,410.0             | 7,407.0             | 7,407.0             | 85.8            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,087.7              | 989.8                 | 97.93                  | 11.107            |                    |        |        |
| 12,200.0   | 7,410.0             | 7,407.0             | 7,407.0             | 87.5            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,157.9              | 1,058.3               | 99.66                  | 11.618            |                    |        |        |
| 12,300.0   | 7,410.0             | 7,407.0             | 7,407.0             | 89.2            | 12.9        | -90.00                | -3,975.4                          | 1,393.6    | 1,232.3              | 1,130.9               | 101.40                 | 12.153            |                    |        |        |

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



# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design  |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Site Error: | 0.0 ft |        |
|--|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--------------------|--------|--------|
| Survey Program: 8035-MWD   |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Well Error: |        | 0.0 ft |
| S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER 1 (EXISTING) - EXISTING - NO SURVEYS |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      |                    |        |        |
| Reference  |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             |                              |                      | Warning            |        |        |
| Measured<br>Depth<br>(ft)  | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) | Total<br>Uncertainty<br>Axis | Separation<br>Factor |                    |        |        |
| 9,700.0  | 7,410.0                   | 7,417.0                   | 7,417.0                   | 45.3              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,247.6                    | 1,190.8                     | 56.78                        | 21.972               |                    |        |        |
| 9,800.0  | 7,410.0                   | 7,417.0                   | 7,417.0                   | 46.9              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,192.3                    | 1,133.8                     | 58.46                        | 20.394               |                    |        |        |
| 9,900.0  | 7,410.0                   | 7,417.0                   | 7,417.0                   | 48.6              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,143.1                    | 1,082.9                     | 60.15                        | 19.004               |                    |        |        |
| 10,000.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 50.2              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,100.7                    | 1,038.9                     | 61.84                        | 17.800               |                    |        |        |
| 10,100.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 51.9              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,066.1                    | 1,002.6                     | 63.54                        | 16.780               |                    |        |        |
| 10,200.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 53.5              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,040.0                    | 974.8                       | 65.23                        | 15.943               |                    |        |        |
| 10,300.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 55.2              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,023.1                    | 956.1                       | 66.94                        | 15.284               |                    |        |        |
| 10,400.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 56.9              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,015.7                    | 947.1                       | 68.64                        | 14.797               |                    |        |        |
| 10,424.9   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 57.3              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,015.4                    | 946.4                       | 69.07                        | 14.702 CC, ES        |                    |        |        |
| 10,500.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 58.5              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,018.2                    | 947.8                       | 70.35                        | 14.473               |                    |        |        |
| 10,600.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 60.2              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,030.4                    | 958.3                       | 72.06                        | 14.299               |                    |        |        |
| 10,700.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 61.9              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,052.0                    | 978.3                       | 73.78                        | 14.259 SF            |                    |        |        |
| 10,800.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 63.6              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,082.5                    | 1,007.0                     | 75.49                        | 14.339               |                    |        |        |
| 10,900.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 65.3              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,121.1                    | 1,043.9                     | 77.21                        | 14.519               |                    |        |        |
| 11,000.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 67.0              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,167.0                    | 1,088.0                     | 78.93                        | 14.784               |                    |        |        |
| 11,100.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 68.7              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,219.4                    | 1,138.7                     | 80.65                        | 15.118               |                    |        |        |
| 11,200.0   | 7,410.0                   | 7,417.0                   | 7,417.0                   | 70.4              | 12.9           | 90.00                       | -3,013.3                                | -407.4        | 1,277.4                    | 1,195.1                     | 82.38                        | 15.507               |                    |        |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                  |           | Offset Site Error: | 0.0 ft |
|--|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------|-----------|--------------------|--------|
| Survey Program: 8028-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         | -147.16               | -387.2                            | -249.9     | 460.9                |                       |                  |           |                    |        |
| 100.0  | 100.0               | 93.0                | 93.0                | 0.2             | 0.2         | -147.16               | -387.2                            | -249.9     | 460.9                | 460.6                 | 0.31             | 1,466.113 |                    |        |
| 200.0  | 200.0               | 193.0               | 193.0               | 0.3             | 0.3         | -147.16               | -387.2                            | -249.9     | 460.9                | 460.2                 | 0.66             | 694.707   |                    |        |
| 300.0  | 300.0               | 293.0               | 293.0               | 0.5             | 0.5         | -147.16               | -387.2                            | -249.9     | 460.9                | 459.9                 | 1.01             | 455.200   |                    |        |
| 400.0  | 400.0               | 393.0               | 393.0               | 0.7             | 0.7         | -147.16               | -387.2                            | -249.9     | 460.9                | 459.5                 | 1.36             | 338.499   |                    |        |
| 500.0  | 500.0               | 493.0               | 493.0               | 0.8             | 0.9         | -147.16               | -387.2                            | -249.9     | 460.9                | 459.2                 | 1.71             | 269.426   | CC, ES             |        |
| 600.0  | 600.0               | 593.0               | 593.0               | 1.0             | 1.0         | 141.42                | -387.2                            | -249.9     | 462.2                | 460.2                 | 2.06             | 224.407   |                    |        |
| 700.0  | 699.8               | 692.8               | 692.8               | 1.2             | 1.2         | 141.77                | -387.2                            | -249.9     | 466.3                | 463.9                 | 2.41             | 193.375   |                    |        |
| 800.0  | 799.5               | 792.5               | 792.5               | 1.4             | 1.4         | 142.35                | -387.2                            | -249.9     | 473.2                | 470.5                 | 2.77             | 170.872   |                    |        |
| 900.0  | 898.9               | 891.9               | 891.9               | 1.6             | 1.6         | 143.08                | -387.2                            | -249.9     | 481.3                | 478.2                 | 3.13             | 153.607   |                    |        |
| 1,000.0  | 998.4               | 991.4               | 991.4               | 1.9             | 1.7         | 143.79                | -387.2                            | -249.9     | 489.4                | 485.9                 | 3.50             | 139.882   |                    |        |
| 1,100.0  | 1,097.9             | 1,090.9             | 1,090.9             | 2.1             | 1.9         | 144.48                | -387.2                            | -249.9     | 497.7                | 493.8                 | 3.87             | 128.746   |                    |        |
| 1,200.0  | 1,197.4             | 1,190.4             | 1,190.4             | 2.3             | 2.1         | 145.14                | -387.2                            | -249.9     | 506.0                | 501.7                 | 4.23             | 119.550   |                    |        |
| 1,300.0  | 1,296.9             | 1,289.9             | 1,289.9             | 2.6             | 2.3         | 145.79                | -387.2                            | -249.9     | 514.3                | 509.7                 | 4.60             | 111.839   |                    |        |
| 1,400.0  | 1,396.4             | 1,389.4             | 1,389.4             | 2.8             | 2.4         | 146.41                | -387.2                            | -249.9     | 522.7                | 517.8                 | 4.96             | 105.289   |                    |        |
| 1,500.0  | 1,495.9             | 1,488.9             | 1,488.9             | 3.1             | 2.6         | 147.01                | -387.2                            | -249.9     | 531.2                | 525.9                 | 5.33             | 99.661    |                    |        |
| 1,600.0  | 1,595.3             | 1,588.3             | 1,588.3             | 3.3             | 2.8         | 147.60                | -387.2                            | -249.9     | 539.8                | 534.1                 | 5.70             | 94.777    |                    |        |
| 1,700.0  | 1,694.8             | 1,687.8             | 1,687.8             | 3.5             | 2.9         | 148.17                | -387.2                            | -249.9     | 548.3                | 542.3                 | 6.06             | 90.500    |                    |        |
| 1,800.0  | 1,794.3             | 1,787.3             | 1,787.3             | 3.8             | 3.1         | 148.71                | -387.2                            | -249.9     | 557.0                | 550.6                 | 6.42             | 86.727    |                    |        |
| 1,900.0  | 1,893.8             | 1,886.8             | 1,886.8             | 4.0             | 3.3         | 149.25                | -387.2                            | -249.9     | 565.7                | 558.9                 | 6.78             | 83.375    |                    |        |
| 2,000.0  | 1,993.3             | 1,986.3             | 1,986.3             | 4.3             | 3.5         | 149.76                | -387.2                            | -249.9     | 574.4                | 567.3                 | 7.15             | 80.378    |                    |        |
| 2,100.0  | 2,092.8             | 2,085.8             | 2,085.8             | 4.5             | 3.6         | 150.26                | -387.2                            | -249.9     | 583.2                | 575.7                 | 7.51             | 77.683    |                    |        |
| 2,200.0  | 2,192.3             | 2,185.3             | 2,185.3             | 4.8             | 3.8         | 150.75                | -387.2                            | -249.9     | 592.0                | 584.2                 | 7.87             | 75.248    |                    |        |
| 2,300.0  | 2,291.7             | 2,284.7             | 2,284.7             | 5.0             | 4.0         | 151.22                | -387.2                            | -249.9     | 600.9                | 592.7                 | 8.23             | 73.038    |                    |        |
| 2,400.0  | 2,391.2             | 2,384.2             | 2,384.2             | 5.3             | 4.2         | 151.68                | -387.2                            | -249.9     | 609.8                | 601.2                 | 8.59             | 71.023    |                    |        |
| 2,500.0  | 2,490.7             | 2,483.7             | 2,483.7             | 5.5             | 4.3         | 152.12                | -387.2                            | -249.9     | 618.8                | 609.8                 | 8.94             | 69.179    |                    |        |
| 2,600.0  | 2,590.2             | 2,583.2             | 2,583.2             | 5.7             | 4.5         | 152.55                | -387.2                            | -249.9     | 627.7                | 618.4                 | 9.30             | 67.485    |                    |        |
| 2,700.0  | 2,689.7             | 2,682.7             | 2,682.7             | 6.0             | 4.7         | 152.97                | -387.2                            | -249.9     | 636.8                | 627.1                 | 9.66             | 65.924    |                    |        |
| 2,800.0  | 2,789.2             | 2,782.2             | 2,782.2             | 6.2             | 4.9         | 153.38                | -387.2                            | -249.9     | 645.8                | 635.8                 | 10.02            | 64.482    |                    |        |
| 2,900.0  | 2,888.7             | 2,881.7             | 2,881.7             | 6.5             | 5.0         | 153.78                | -387.2                            | -249.9     | 654.9                | 644.5                 | 10.37            | 63.145    |                    |        |
| 3,000.0  | 2,988.1             | 2,981.1             | 2,981.1             | 6.7             | 5.2         | 154.16                | -387.2                            | -249.9     | 664.0                | 653.3                 | 10.73            | 61.903    |                    |        |
| 3,100.0  | 3,087.6             | 3,080.6             | 3,080.6             | 7.0             | 5.4         | 154.54                | -387.2                            | -249.9     | 673.1                | 662.1                 | 11.08            | 60.745    |                    |        |
| 3,200.0  | 3,187.1             | 3,180.1             | 3,180.1             | 7.2             | 5.6         | 154.90                | -387.2                            | -249.9     | 682.3                | 670.9                 | 11.44            | 59.665    |                    |        |
| 3,300.0  | 3,286.6             | 3,279.6             | 3,279.6             | 7.5             | 5.7         | 155.26                | -387.2                            | -249.9     | 691.5                | 679.7                 | 11.79            | 58.653    |                    |        |
| 3,400.0  | 3,386.1             | 3,379.1             | 3,379.1             | 7.7             | 5.9         | 155.61                | -387.2                            | -249.9     | 700.7                | 688.6                 | 12.14            | 57.705    |                    |        |
| 3,500.0  | 3,485.6             | 3,478.6             | 3,478.6             | 8.0             | 6.1         | 155.94                | -387.2                            | -249.9     | 710.0                | 697.5                 | 12.50            | 56.814    |                    |        |
| 3,600.0  | 3,585.1             | 3,578.1             | 3,578.1             | 8.2             | 6.2         | 156.27                | -387.2                            | -249.9     | 719.2                | 706.4                 | 12.85            | 55.976    |                    |        |
| 3,700.0  | 3,684.5             | 3,677.5             | 3,677.5             | 8.5             | 6.4         | 156.59                | -387.2                            | -249.9     | 728.5                | 715.3                 | 13.20            | 55.185    |                    |        |
| 3,800.0  | 3,784.0             | 3,777.0             | 3,777.0             | 8.7             | 6.6         | 156.91                | -387.2                            | -249.9     | 737.8                | 724.3                 | 13.55            | 54.439    |                    |        |
| 3,900.0  | 3,883.5             | 3,876.5             | 3,876.5             | 9.0             | 6.8         | 157.21                | -387.2                            | -249.9     | 747.2                | 733.3                 | 13.91            | 53.733    |                    |        |
| 4,000.0  | 3,983.0             | 3,976.0             | 3,976.0             | 9.2             | 6.9         | 157.51                | -387.2                            | -249.9     | 756.5                | 742.3                 | 14.26            | 53.065    |                    |        |
| 4,100.0  | 4,082.5             | 4,075.5             | 4,075.5             | 9.5             | 7.1         | 157.80                | -387.2                            | -249.9     | 765.9                | 751.3                 | 14.61            | 52.431    |                    |        |
| 4,200.0  | 4,182.0             | 4,175.0             | 4,175.0             | 9.7             | 7.3         | 158.08                | -387.2                            | -249.9     | 775.3                | 760.3                 | 14.96            | 51.829    |                    |        |
| 4,300.0  | 4,281.5             | 4,274.5             | 4,274.5             | 10.0            | 7.5         | 158.35                | -387.2                            | -249.9     | 784.7                | 769.4                 | 15.31            | 51.257    |                    |        |
| 4,400.0  | 4,380.9             | 4,373.9             | 4,373.9             | 10.2            | 7.6         | 158.62                | -387.2                            | -249.9     | 794.1                | 778.5                 | 15.66            | 50.712    |                    |        |
| 4,500.0  | 4,480.4             | 4,473.4             | 4,473.4             | 10.5            | 7.8         | 158.89                | -387.2                            | -249.9     | 803.6                | 787.6                 | 16.01            | 50.193    |                    |        |
| 4,600.0  | 4,579.9             | 4,572.9             | 4,572.9             | 10.7            | 8.0         | 159.14                | -387.2                            | -249.9     | 813.0                | 796.7                 | 16.36            | 49.698    |                    |        |
| 4,700.0  | 4,679.4             | 4,672.4             | 4,672.4             | 11.0            | 8.2         | 159.40                | -387.2                            | -249.9     | 822.5                | 805.8                 | 16.71            | 49.225    |                    |        |
| 4,800.0  | 4,778.9             | 4,771.9             | 4,771.9             | 11.2            | 8.3         | 159.64                | -387.2                            | -249.9     | 832.0                | 815.0                 | 17.06            | 48.773    |                    |        |
| 4,900.0  | 4,878.4             | 4,871.4             | 4,871.4             | 11.5            | 8.5         | 159.88                | -387.2                            | -249.9     | 841.5                | 824.1                 | 17.41            | 48.341    |                    |        |
| 5,000.0  | 4,977.9             | 4,970.9             | 4,970.9             | 11.7            | 8.7         | 160.11                | -387.2                            | -249.9     | 851.1                | 833.3                 | 17.76            | 47.926    |                    |        |
| 5,100.0  | 5,077.3             | 5,070.3             | 5,070.3             | 11.9            | 8.8         | 160.34                | -387.2                            | -249.9     | 860.6                | 842.5                 | 18.11            | 47.529    |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design             |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              | Offset Site Error:   | 0.0 ft  |                    |        |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|--|---------|--------------------|--------|
| Survey Program: 8028-MWD  |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              | S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS |         | Offset Well Error: | 0.0 ft |
| Reference                 |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor   | Warning |                    |        |
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |  |         |                    |        |
| 5,200.0                   | 5,176.8                   | 5,169.8                   | 5,169.8                   | 12.2              | 9.0            | 160.57                      | -387.2                                  | -249.9        | 870.1                      | 851.7                       | 18.46                        | 47.148   |         |                    |        |
| 5,300.0                   | 5,276.3                   | 5,269.3                   | 5,269.3                   | 12.4              | 9.2            | 160.79                      | -387.2                                  | -249.9        | 879.7                      | 860.9                       | 18.80                        | 46.782   |         |                    |        |
| 5,400.0                   | 5,375.8                   | 5,368.8                   | 5,368.8                   | 12.7              | 9.4            | 161.00                      | -387.2                                  | -249.9        | 889.3                      | 870.1                       | 19.15                        | 46.431   |         |                    |        |
| 5,500.0                   | 5,475.3                   | 5,468.3                   | 5,468.3                   | 12.9              | 9.5            | 161.21                      | -387.2                                  | -249.9        | 898.9                      | 879.4                       | 19.50                        | 46.093   |         |                    |        |
| 5,600.0                   | 5,574.8                   | 5,567.8                   | 5,567.8                   | 13.2              | 9.7            | 161.42                      | -387.2                                  | -249.9        | 908.5                      | 888.6                       | 19.85                        | 45.767   |         |                    |        |
| 5,700.0                   | 5,674.3                   | 5,667.3                   | 5,667.3                   | 13.4              | 9.9            | 161.62                      | -387.2                                  | -249.9        | 918.1                      | 897.9                       | 20.20                        | 45.454   |         |                    |        |
| 5,800.0                   | 5,773.7                   | 5,766.7                   | 5,766.7                   | 13.7              | 10.1           | 161.82                      | -387.2                                  | -249.9        | 927.7                      | 907.2                       | 20.55                        | 45.152   |         |                    |        |
| 5,900.0                   | 5,873.2                   | 5,866.2                   | 5,866.2                   | 13.9              | 10.2           | 162.01                      | -387.2                                  | -249.9        | 937.3                      | 916.4                       | 20.89                        | 44.861   |         |                    |        |
| 6,000.0                   | 5,972.7                   | 5,965.7                   | 5,965.7                   | 14.2              | 10.4           | 162.20                      | -387.2                                  | -249.9        | 947.0                      | 925.7                       | 21.24                        | 44.581   |         |                    |        |
| 6,100.0                   | 6,072.2                   | 6,065.2                   | 6,065.2                   | 14.4              | 10.6           | 162.38                      | -387.2                                  | -249.9        | 956.6                      | 935.0                       | 21.59                        | 44.309   |         |                    |        |
| 6,200.0                   | 6,171.7                   | 6,164.7                   | 6,164.7                   | 14.7              | 10.8           | 162.57                      | -387.2                                  | -249.9        | 966.3                      | 944.4                       | 21.94                        | 44.047   |         |                    |        |
| 6,300.0                   | 6,271.2                   | 6,264.2                   | 6,264.2                   | 14.9              | 10.9           | 162.74                      | -387.2                                  | -249.9        | 976.0                      | 953.7                       | 22.29                        | 43.794   |         |                    |        |
| 6,400.0                   | 6,370.7                   | 6,363.7                   | 6,363.7                   | 15.2              | 11.1           | 162.92                      | -387.2                                  | -249.9        | 985.7                      | 963.0                       | 22.63                        | 43.550   |         |                    |        |
| 6,500.0                   | 6,470.1                   | 6,463.1                   | 6,463.1                   | 15.4              | 11.3           | 163.09                      | -387.2                                  | -249.9        | 995.3                      | 972.4                       | 22.98                        | 43.313   |         |                    |        |
| 6,600.0                   | 6,569.6                   | 6,562.6                   | 6,562.6                   | 15.7              | 11.5           | 163.26                      | -387.2                                  | -249.9        | 1,005.0                    | 981.7                       | 23.33                        | 43.083   |         |                    |        |
| 6,700.0                   | 6,669.1                   | 6,662.1                   | 6,662.1                   | 15.9              | 11.6           | 163.42                      | -387.2                                  | -249.9        | 1,014.7                    | 991.1                       | 23.68                        | 42.861   |         |                    |        |
| 6,800.0                   | 6,768.6                   | 6,761.6                   | 6,761.6                   | 16.2              | 11.8           | 163.58                      | -387.2                                  | -249.9        | 1,024.5                    | 1,000.4                     | 24.02                        | 42.646   |         |                    |        |
| 6,900.0                   | 6,868.1                   | 6,861.1                   | 6,861.1                   | 16.4              | 12.0           | 116.97                      | -387.2                                  | -249.9        | 1,033.0                    | 1,008.6                     | 24.41                        | 42.319   |         |                    |        |
| 7,000.0                   | 6,966.6                   | 6,959.6                   | 6,959.6                   | 16.6              | 12.1           | 78.65                       | -387.2                                  | -249.9        | 1,033.0                    | 1,008.3                     | 24.69                        | 41.844   |         |                    |        |
| 7,100.0                   | 7,061.2                   | 7,054.2                   | 7,054.2                   | 16.7              | 12.3           | 71.60                       | -387.2                                  | -249.9        | 1,023.6                    | 998.8                       | 24.81                        | 41.255   |         |                    |        |
| 7,200.0                   | 7,149.1                   | 7,142.1                   | 7,142.1                   | 16.8              | 12.5           | 71.50                       | -387.2                                  | -249.9        | 1,006.5                    | 981.5                       | 24.92                        | 40.381   |         |                    |        |
| 7,300.0                   | 7,227.6                   | 7,220.6                   | 7,220.6                   | 16.9              | 12.6           | 74.32                       | -387.2                                  | -249.9        | 983.8                      | 958.6                       | 25.16                        | 39.104   |         |                    |        |
| 7,400.0                   | 7,294.3                   | 7,287.3                   | 7,287.3                   | 17.1              | 12.7           | 78.53                       | -387.2                                  | -249.9        | 958.4                      | 932.9                       | 25.56                        | 37.492   |         |                    |        |
| 7,500.0                   | 7,347.2                   | 7,340.2                   | 7,340.2                   | 17.4              | 12.8           | 83.02                       | -387.2                                  | -249.9        | 933.8                      | 907.7                       | 26.10                        | 35.774   |         |                    |        |
| 7,600.0                   | 7,384.7                   | 7,377.7                   | 7,377.7                   | 17.9              | 12.9           | 86.86                       | -387.2                                  | -249.9        | 913.1                      | 886.4                       | 26.73                        | 34.161   |         |                    |        |
| 7,700.0                   | 7,405.6                   | 7,398.6                   | 7,398.6                   | 18.5              | 12.9           | 89.32                       | -387.2                                  | -249.9        | 899.5                      | 872.0                       | 27.46                        | 32.755   |         |                    |        |
| 7,796.8                   | 7,411.8                   | 7,404.8                   | 7,404.8                   | 19.2              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 894.8                      | 866.5                       | 28.30                        | 31.619   |         |                    |        |
| 7,800.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 19.2              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 894.7                      | 866.3                       | 28.32                        | 31.587   |         |                    |        |
| 7,900.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 20.0              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 900.6                      | 871.2                       | 29.37                        | 30.665   |         |                    |        |
| 8,000.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 21.0              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 917.4                      | 886.9                       | 30.53                        | 30.054   |         |                    |        |
| 8,100.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 22.1              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 944.6                      | 912.8                       | 31.78                        | 29.727   |         |                    |        |
| 8,200.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 23.2              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 981.3                      | 948.2                       | 33.10                        | 29.645 SF  |         |                    |        |
| 8,300.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 24.4              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 1,026.4                    | 991.9                       | 34.49                        | 29.762   |         |                    |        |
| 8,400.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 25.7              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 1,079.0                    | 1,043.1                     | 35.92                        | 30.035   |         |                    |        |
| 8,500.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 27.0              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 1,137.9                    | 1,100.5                     | 37.40                        | 30.423   |         |                    |        |
| 8,600.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 28.4              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 1,202.3                    | 1,163.4                     | 38.92                        | 30.895   |         |                    |        |
| 8,700.0                   | 7,410.0                   | 7,403.0                   | 7,403.0                   | 29.8              | 12.9           | 90.00                       | -387.2                                  | -249.9        | 1,271.2                    | 1,230.8                     | 40.46                        | 31.423   |         |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design             |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | Offset Site Error:   | 0.0 ft |                    |        |
|---------------------------|---------------------------|---------------------------|---------------------------|-------------------|----------------|-----------------------------|---|---------------|----------------------------|-----------------------------|------------------------------|----------------------|--|--------|--------------------|--------|
| Survey Program: 7625-MWD  |                           |                           |                           |                   |                |                             |   |               |                            |                             |                              |                      | S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER U 14-11 (EXISTING) - EXISTING - NO SURVE |        | Offset Well Error: | 0.0 ft |
| Reference                 |                           | Offset                    |                           | Semi Major Axis   |                |                             | Distance                                |               |                            |                             | Total<br>Uncertainty<br>Axis | Separation<br>Factor | Warning  |        |                    |        |
| Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Measured<br>Depth<br>(ft) | Vertical<br>Depth<br>(ft) | Reference<br>(ft) | Offset<br>(ft) | Highside<br>Toolface<br>(°) | Offset Wellbore Centre<br>+N/-S<br>(ft) | +E/-W<br>(ft) | Between<br>Centres<br>(ft) | Between<br>Ellipses<br>(ft) |                              |                      |  |        |                    |        |
| 8,700.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 29.8              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 1,235.1                    | 1,194.7                     | 40.46                        | 30.526               |  |        |                    |        |
| 8,800.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 31.3              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 1,136.5                    | 1,094.5                     | 42.03                        | 27.043               |  |        |                    |        |
| 8,900.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 32.7              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 1,038.2                    | 994.6                       | 43.61                        | 23.804               |  |        |                    |        |
| 9,000.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 34.3              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 940.2                      | 894.9                       | 45.22                        | 20.793               |  |        |                    |        |
| 9,100.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 35.8              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 842.6                      | 795.8                       | 46.83                        | 17.992               |  |        |                    |        |
| 9,200.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 37.3              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 745.7                      | 697.3                       | 48.46                        | 15.387               |  |        |                    |        |
| 9,300.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 38.9              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 649.8                      | 599.7                       | 50.11                        | 12.968               |  |        |                    |        |
| 9,400.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 40.5              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 555.3                      | 503.5                       | 51.76                        | 10.728               |  |        |                    |        |
| 9,500.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 42.1              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 463.1                      | 409.7                       | 53.42                        | 8.669                |  |        |                    |        |
| 9,600.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 43.7              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 374.9                      | 319.8                       | 55.09                        | 6.805                |  |        |                    |        |
| 9,700.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 45.3              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 294.4                      | 237.6                       | 56.76                        | 5.186                |  |        |                    |        |
| 9,800.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 46.9              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 229.7                      | 171.3                       | 58.44                        | 3.930                |  |        |                    |        |
| 9,900.0                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 48.6              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 197.2                      | 137.0                       | 60.13                        | 3.279                |  |        |                    |        |
| 9,919.5                   | 7,410.0                   | 7,406.0                   | 7,406.0                   | 48.9              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 196.2                      | 135.7                       | 60.46                        | 3.245 CC, ES, SF     |  |        |                    |        |
| 10,000.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 50.2              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 212.1                      | 150.3                       | 61.82                        | 3.431                |  |        |                    |        |
| 10,100.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 51.9              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 266.6                      | 203.1                       | 63.52                        | 4.198                |  |        |                    |        |
| 10,200.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 53.5              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 342.3                      | 277.1                       | 65.22                        | 5.249                |  |        |                    |        |
| 10,300.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 55.2              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 428.1                      | 361.2                       | 66.92                        | 6.398                |  |        |                    |        |
| 10,400.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 56.9              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 519.1                      | 450.4                       | 68.62                        | 7.564                |  |        |                    |        |
| 10,500.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 58.5              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 612.8                      | 542.5                       | 70.33                        | 8.713                |  |        |                    |        |
| 10,600.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 60.2              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 708.3                      | 636.2                       | 72.04                        | 9.831                |  |        |                    |        |
| 10,700.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 61.9              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 804.8                      | 731.1                       | 73.76                        | 10.912               |  |        |                    |        |
| 10,800.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 63.6              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 902.1                      | 826.7                       | 75.47                        | 11.953               |  |        |                    |        |
| 10,900.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 65.3              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 1,000.0                    | 922.8                       | 77.19                        | 12.954               |  |        |                    |        |
| 11,000.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 67.0              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 1,098.2                    | 1,019.3                     | 78.91                        | 13.917               |  |        |                    |        |
| 11,100.0                  | 7,410.0                   | 7,406.0                   | 7,406.0                   | 68.7              | 12.9           | 90.00                       | -2,519.4                                | 418.8         | 1,196.7                    | 1,116.1                     | 80.64                        | 14.841               |  |        |                    |        |

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

# Cathedral Energy Services

## Anticollision Report

|                           |   |                                     |                                 |
|---------------------------|---|-------------------------------------|---------------------------------|
| <b>Company:</b>           | EnCana Oil & Gas (USA) Inc              | <b>Local Co-ordinate Reference:</b> | Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b>           | DJ Wattenberg                           | <b>TVD Reference:</b>               | KB @ 4894.0ft                   |
| <b>Reference Site:</b>    | S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b>                | KB @ 4894.0ft                   |
| <b>Site Error:</b>        | 0.0ft                                   | <b>North Reference:</b>             | True                            |
| <b>Reference Well:</b>    | Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b>   | Minimum Curvature               |
| <b>Well Error:</b>        | 0.0ft                                   | <b>Output errors are at</b>         | 2.00 sigma                      |
| <b>Reference Wellbore</b> | Hz                                      | <b>Database:</b>                    | USA EDM 5000 Multi Users DB     |
| <b>Reference Design:</b>  | Plan #2                                 | <b>Offset TVD Reference:</b>        | Offset Datum                    |

| Offset Design            |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | Offset Site Error:   | 0.0 ft |                    |        |
|--------------------------|---------------------|---------------------|---------------------|-----------------|-------------|-----------------------|-----------------------------------|------------|----------------------|-----------------------|------------------------|-------------------|--|--------|--------------------|--------|
| Survey Program: 7650-MWD |                     |                     |                     |                 |             |                       |                                   |            |                      |                       |                        |                   | S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER U 14-14 (EXISTING) - EXISTING - NO SURVE |        | 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 |  |        |                    |        |
| 10,300.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 55.2            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 1,201.5              | 1,134.6               | 66.93                  | 17.953            |  |        |                    |        |
| 10,400.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 56.9            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 1,105.8              | 1,037.2               | 68.63                  | 16.112            |  |        |                    |        |
| 10,500.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 58.5            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 1,011.0              | 940.6                 | 70.34                  | 14.372            |  |        |                    |        |
| 10,600.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 60.2            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 917.2                | 845.2                 | 72.05                  | 12.730            |  |        |                    |        |
| 10,700.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 61.9            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 824.9                | 751.1                 | 73.77                  | 11.182            |  |        |                    |        |
| 10,800.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 63.6            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 734.6                | 659.1                 | 75.48                  | 9.732             |  |        |                    |        |
| 10,900.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 65.3            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 647.2                | 570.0                 | 77.20                  | 8.383             |  |        |                    |        |
| 11,000.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 67.0            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 563.9                | 485.0                 | 78.92                  | 7.145             |  |        |                    |        |
| 11,100.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 68.7            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 487.0                | 406.4                 | 80.64                  | 6.039             |  |        |                    |        |
| 11,200.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 70.4            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 420.0                | 337.6                 | 82.37                  | 5.099             |  |        |                    |        |
| 11,300.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 72.1            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 368.2                | 284.1                 | 84.09                  | 4.379             |  |        |                    |        |
| 11,400.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 73.8            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 338.8                | 252.9                 | 85.82                  | 3.947             |  |        |                    |        |
| 11,454.1                 | 7,410.0             | 7,411.0             | 7,411.0             | 74.7            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 334.4                | 247.7                 | 86.75                  | 3.855             | CC, ES, SF   |        |                    |        |
| 11,500.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 75.5            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 337.6                | 250.0                 | 87.55                  | 3.856             |  |        |                    |        |
| 11,600.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 77.2            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 364.9                | 275.6                 | 89.28                  | 4.087             |  |        |                    |        |
| 11,700.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 78.9            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 415.1                | 324.1                 | 91.01                  | 4.561             |  |        |                    |        |
| 11,800.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 80.6            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 481.1                | 388.4                 | 92.74                  | 5.188             |  |        |                    |        |
| 11,900.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 82.3            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 557.4                | 462.9                 | 94.47                  | 5.900             |  |        |                    |        |
| 12,000.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 84.0            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 640.2                | 544.0                 | 96.20                  | 6.655             |  |        |                    |        |
| 12,100.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 85.8            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 727.4                | 629.4                 | 97.94                  | 7.427             |  |        |                    |        |
| 12,200.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 87.5            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 817.5                | 717.8                 | 99.67                  | 8.202             |  |        |                    |        |
| 12,300.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 89.2            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 909.6                | 808.2                 | 101.41                 | 8.970             |  |        |                    |        |
| 12,400.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 90.9            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 1,003.3              | 900.2                 | 103.14                 | 9.727             |  |        |                    |        |
| 12,500.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 92.7            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 1,098.1              | 993.2                 | 104.88                 | 10.470            |  |        |                    |        |
| 12,600.0                 | 7,410.0             | 7,411.0             | 7,411.0             | 94.4            | 12.9        | 90.00                 | -4,051.9                          | 259.2      | 1,193.7              | 1,087.1               | 106.62                 | 11.197            |  |        |                    |        |

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

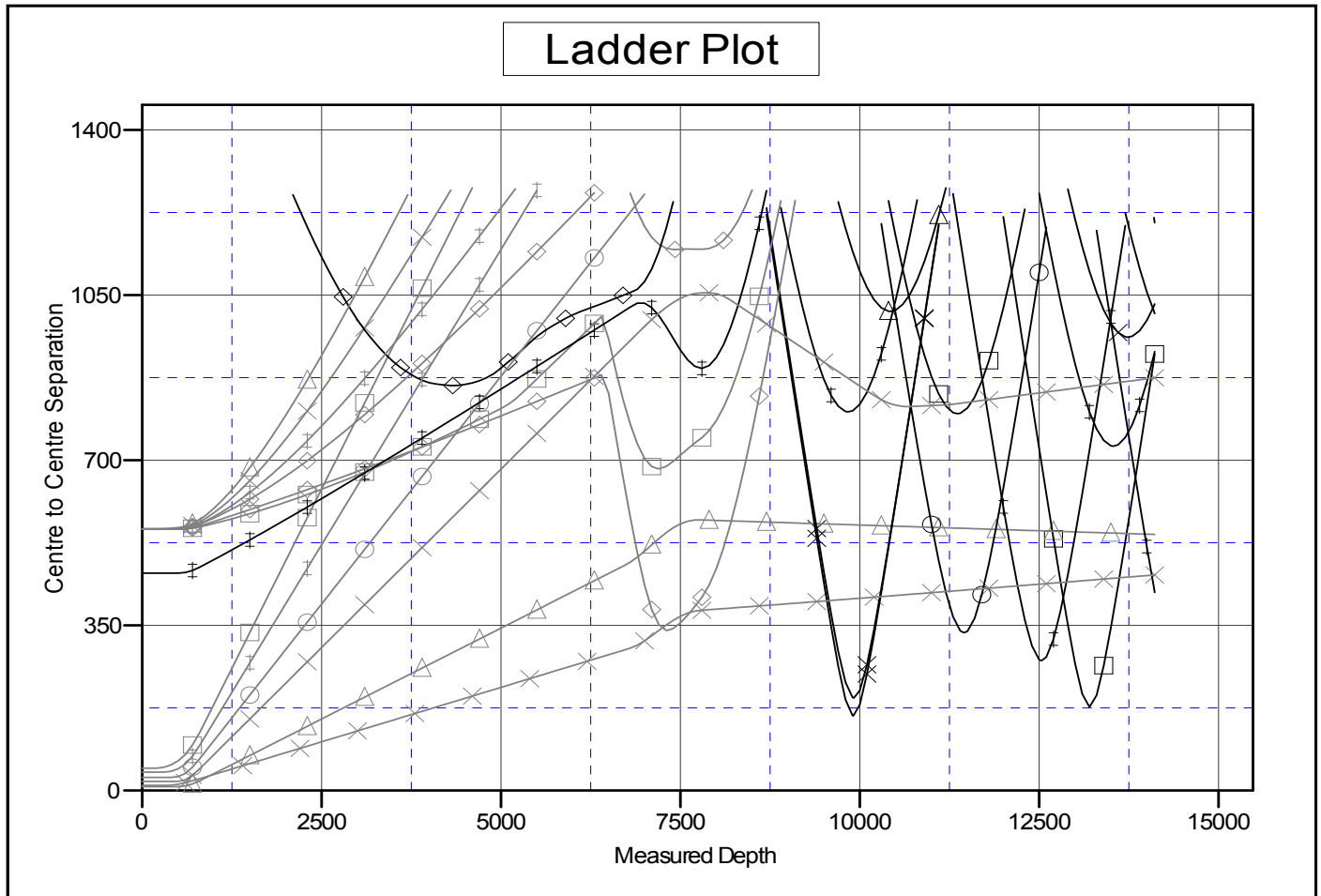
# Cathedral Energy Services

## Anticollision Report

|  |   |
|--|---|
| <b>Company:</b> EnCana Oil & Gas (USA) Inc                     | <b>Local Co-ordinate Reference:</b> Well Grant Elmquist 2F-14H-C268 |
| <b>Project:</b> DJ Wattenberg                                  | <b>TVD Reference:</b> KB @ 4894.0ft                                 |
| <b>Reference Site:</b> S14-T2N-R68W (Grant Elmquist/Salisbury) | <b>MD Reference:</b> KB @ 4894.0ft                                  |
| <b>Site Error:</b> 0.0ft                                       | <b>North Reference:</b> True  |
| <b>Reference Well:</b> Grant Elmquist 2F-14H-C268              | <b>Survey Calculation Method:</b> Minimum Curvature                 |
| <b>Well Error:</b> 0.0ft                                       | <b>Output errors are at</b> 2.00 sigma                              |
| <b>Reference Wellbore</b> Hz                                   | <b>Database:</b> USA EDM 5000 Multi Users DB                        |
| <b>Reference Design:</b> Plan #2                               | <b>Offset TVD Reference:</b> Offset Datum                           |

Reference Depths are relative to KB @ 4894.0ft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -105.500000 °

Coordinates are relative to: Grant Elmquist 2F-14H-C268  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.34°



### LEGEND

|  |   |   |
|--|---|---|
| 3 (EXISTING), EXISTING, SURVEYS V0<br>1-14H-C268, Hz, Plan #1 V0<br>1-14H-C268, Hz, Plan #1 V0<br>STING), EXISTING, NO SURVEYS V0<br>ISTING), EXISTING, GYRO V0<br>(EXISTING), EXISTING, NO SURVEYS V0<br>-14H-C268, Hz, Plan #2 V0<br>-14H-C268, Hz, Plan #2 V0<br>3 (EXISTING), EXISTING, SURVEYS V0 | + ELMQUIST 21-23 (EXISTING), EXISTING, SURVEYS V0<br>- ELMQUIST 2-4-23 (EXISTING), EXISTING, SURVEYS V0<br>- OLANDER U 14-14 (EXISTING), EXISTING, NO SURVEYS V0<br>* DEL CAMINO 11-14 (EXISTING), EXISTING, NO SURVEYS V0<br>- GRANT 2-8-11 (EXISTING), EXISTING, SURVEYS V0<br>* OLANDER U 14-11 (EXISTING), EXISTING, NO SURVEYS V0<br>- Grant Salisbury 2F-14H-C268, Hz, Plan #1 V0<br>* BERGER 32-23 (EXISTING), EXISTING, NO SURVEYS V0<br>- Grant Elmquist 2B-14H-C268, Hz, Plan #2 V0 | - Grant Salisbury 2E-14H-C268, Hz, Plan #<br>- Grant Salisbury 2C-14H-C268, Hz, Plan #<br>- Grant Salisbury 2A-14H-C268, Hz, Plan #<br>- MDM 33-14 (EXISTING), EXISTING, NC<br>- Grant Elmquist 2C-14H-C268, Hz, Plan #<br>- MDM 34-14 (EXISTING), EXISTING, NC<br>- OLANDER 2 (EXISTING), EXISTING, NC<br>- Grant Elmquist 2D-14H-C268, Hz, Plan #<br>- Grant Elmquist 2G-14H-C268, Hz, Plan # |
|--|---|---|

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