

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	13' KB @ 4978.0ft
Project:	DJ Wattenberg	MD Reference:	13' KB @ 4978.0ft
Site:	S19-T2N-R68W (Rasmussen/Regnier)	North Reference:	True
Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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

Site		S19-T2N-R68W (Rasmussen/Regnier)			
Site Position:		Northing:	1,285,957.96 ft	Latitude:	40.117468
From:	Lat/Long	Easting:	3,125,548.08 ft	Longitude:	-105.051107
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.29 °

Well	Regnier 1B-19H-B268					
Well Position	+N/-S	0.0 ft	Northing:	1,290,971.00 ft	Latitude:	40.131199
	+E/-W	0.0 ft	Easting:	3,127,713.52 ft	Longitude:	-105.043272
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,965.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	10/2/2014	8.55	66.67	52,612

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

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
481.7	3.63	269.15	481.6	-0.1	-5.8	2.00	2.00	0.00	269.15	
6,864.9	3.63	269.15	6,851.9	-6.1	-410.2	0.00	0.00	0.00	0.00	
7,989.2	90.00	180.00	7,566.0	-722.3	-455.6	8.00	7.68	-7.93	-89.15	
12,069.2	90.00	180.00	7,566.0	-4,802.3	-455.6	0.00	0.00	0.00	0.00	Regnier 1B PBHL

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Site:	S19-T2N-R68W (Rasmussen/Regnier)	North Reference:	True
Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	Start Build 2.00
400.0	2.00	269.15	400.0	0.0	-1.7	0.0	2.00	2.00	
481.7	3.63	269.15	481.6	-0.1	-5.8	0.1	2.00	2.00	Start 6383.2 hold at 481.7 MD
500.0	3.63	269.15	499.8	-0.1	-6.9	0.1	0.00	0.00	
600.0	3.63	269.15	599.6	-0.2	-13.3	0.2	0.00	0.00	
700.0	3.63	269.15	699.4	-0.3	-19.6	0.3	0.00	0.00	
800.0	3.63	269.15	799.2	-0.4	-25.9	0.4	0.00	0.00	
900.0	3.63	269.15	899.0	-0.5	-32.3	0.5	0.00	0.00	
1,000.0	3.63	269.15	998.8	-0.6	-38.6	0.6	0.00	0.00	
1,100.0	3.63	269.15	1,098.6	-0.7	-44.9	0.7	0.00	0.00	
1,200.0	3.63	269.15	1,198.4	-0.8	-51.3	0.8	0.00	0.00	
1,300.0	3.63	269.15	1,298.2	-0.9	-57.6	0.9	0.00	0.00	
1,400.0	3.63	269.15	1,398.0	-0.9	-63.9	0.9	0.00	0.00	
1,500.0	3.63	269.15	1,497.8	-1.0	-70.3	1.0	0.00	0.00	
1,600.0	3.63	269.15	1,597.6	-1.1	-76.6	1.1	0.00	0.00	
1,700.0	3.63	269.15	1,697.4	-1.2	-83.0	1.2	0.00	0.00	
1,800.0	3.63	269.15	1,797.2	-1.3	-89.3	1.3	0.00	0.00	
1,900.0	3.63	269.15	1,897.0	-1.4	-95.6	1.4	0.00	0.00	
2,000.0	3.63	269.15	1,996.8	-1.5	-102.0	1.5	0.00	0.00	
2,100.0	3.63	269.15	2,096.6	-1.6	-108.3	1.6	0.00	0.00	
2,200.0	3.63	269.15	2,196.4	-1.7	-114.6	1.7	0.00	0.00	
2,300.0	3.63	269.15	2,296.2	-1.8	-121.0	1.8	0.00	0.00	
2,400.0	3.63	269.15	2,396.0	-1.9	-127.3	1.9	0.00	0.00	
2,500.0	3.63	269.15	2,495.8	-2.0	-133.7	2.0	0.00	0.00	
2,600.0	3.63	269.15	2,595.6	-2.1	-140.0	2.1	0.00	0.00	
2,700.0	3.63	269.15	2,695.4	-2.2	-146.3	2.2	0.00	0.00	
2,800.0	3.63	269.15	2,795.2	-2.3	-152.7	2.3	0.00	0.00	
2,900.0	3.63	269.15	2,895.0	-2.4	-159.0	2.4	0.00	0.00	
3,000.0	3.63	269.15	2,994.8	-2.5	-165.3	2.5	0.00	0.00	
3,100.0	3.63	269.15	3,094.6	-2.5	-171.7	2.5	0.00	0.00	
3,200.0	3.63	269.15	3,194.4	-2.6	-178.0	2.6	0.00	0.00	
3,300.0	3.63	269.15	3,294.2	-2.7	-184.3	2.7	0.00	0.00	
3,400.0	3.63	269.15	3,394.0	-2.8	-190.7	2.8	0.00	0.00	
3,500.0	3.63	269.15	3,493.8	-2.9	-197.0	2.9	0.00	0.00	
3,600.0	3.63	269.15	3,593.6	-3.0	-203.4	3.0	0.00	0.00	
3,700.0	3.63	269.15	3,693.4	-3.1	-209.7	3.1	0.00	0.00	
3,800.0	3.63	269.15	3,793.2	-3.2	-216.0	3.2	0.00	0.00	
3,900.0	3.63	269.15	3,893.0	-3.3	-222.4	3.3	0.00	0.00	
4,000.0	3.63	269.15	3,992.8	-3.4	-228.7	3.4	0.00	0.00	
4,100.0	3.63	269.15	4,092.6	-3.5	-235.0	3.5	0.00	0.00	
4,200.0	3.63	269.15	4,192.4	-3.6	-241.4	3.6	0.00	0.00	
4,280.8	3.63	269.15	4,273.0	-3.7	-246.5	3.7	0.00	0.00	Sussex
4,300.0	3.63	269.15	4,292.2	-3.7	-247.7	3.7	0.00	0.00	
4,400.0	3.63	269.15	4,392.0	-3.8	-254.0	3.8	0.00	0.00	
4,500.0	3.63	269.15	4,491.8	-3.9	-260.4	3.9	0.00	0.00	
4,600.0	3.63	269.15	4,591.6	-4.0	-266.7	4.0	0.00	0.00	
4,700.0	3.63	269.15	4,691.4	-4.1	-273.1	4.1	0.00	0.00	
4,800.0	3.63	269.15	4,791.2	-4.1	-279.4	4.1	0.00	0.00	

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Site:	S19-T2N-R68W (Rasmussen/Regnier)	North Reference:	True
Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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
4,824.9	3.63	269.15	4,816.0	-4.2	-281.0	4.2	0.00	0.00	Shannon
4,900.0	3.63	269.15	4,891.0	-4.2	-285.7	4.2	0.00	0.00	
5,000.0	3.63	269.15	4,990.8	-4.3	-292.1	4.3	0.00	0.00	
5,100.0	3.63	269.15	5,090.6	-4.4	-298.4	4.4	0.00	0.00	
5,200.0	3.63	269.15	5,190.4	-4.5	-304.7	4.5	0.00	0.00	
5,300.0	3.63	269.15	5,290.2	-4.6	-311.1	4.6	0.00	0.00	
5,400.0	3.63	269.15	5,390.0	-4.7	-317.4	4.7	0.00	0.00	
5,500.0	3.63	269.15	5,489.8	-4.8	-323.8	4.8	0.00	0.00	
5,600.0	3.63	269.15	5,589.6	-4.9	-330.1	4.9	0.00	0.00	
5,700.0	3.63	269.15	5,689.4	-5.0	-336.4	5.0	0.00	0.00	
5,800.0	3.63	269.15	5,789.2	-5.1	-342.8	5.1	0.00	0.00	
5,900.0	3.63	269.15	5,889.0	-5.2	-349.1	5.2	0.00	0.00	
6,000.0	3.63	269.15	5,988.8	-5.3	-355.4	5.3	0.00	0.00	
6,100.0	3.63	269.15	6,088.6	-5.4	-361.8	5.4	0.00	0.00	
6,200.0	3.63	269.15	6,188.4	-5.5	-368.1	5.5	0.00	0.00	
6,300.0	3.63	269.15	6,288.2	-5.6	-374.4	5.6	0.00	0.00	
6,400.0	3.63	269.15	6,388.0	-5.7	-380.8	5.7	0.00	0.00	
6,500.0	3.63	269.15	6,487.8	-5.7	-387.1	5.7	0.00	0.00	
6,600.0	3.63	269.15	6,587.6	-5.8	-393.5	5.8	0.00	0.00	
6,624.5	3.63	269.15	6,612.0	-5.9	-395.0	5.9	0.00	0.00	Teepee Buttes (*if present)
6,700.0	3.63	269.15	6,687.4	-5.9	-399.8	5.9	0.00	0.00	
6,800.0	3.63	269.15	6,787.2	-6.0	-406.1	6.0	0.00	0.00	
6,864.9	3.63	269.15	6,851.9	-6.1	-410.2	6.1	0.00	0.00	Start DLS 8.00 TFO -89.15
6,900.0	4.63	231.70	6,887.0	-7.0	-412.5	7.0	8.00	2.82	
7,000.0	11.45	198.27	6,986.0	-18.9	-418.8	18.9	8.00	6.82	
7,100.0	19.20	190.51	7,082.3	-44.6	-424.9	44.6	8.00	7.75	
7,191.9	26.45	187.33	7,167.0	-79.8	-430.2	79.8	8.00	7.89	Sharon Springs
7,200.0	27.09	187.13	7,174.2	-83.4	-430.7	83.4	8.00	7.92	
7,300.0	35.03	185.20	7,259.8	-134.6	-436.1	134.6	8.00	7.94	
7,300.2	35.03	185.20	7,260.0	-134.8	-436.2	134.8	0.00	0.00	Niobrara
7,389.9	42.18	184.02	7,330.0	-190.5	-440.6	190.5	8.02	7.98	B Chalk
7,400.0	42.99	183.91	7,337.5	-197.3	-441.1	197.3	8.00	7.96	
7,428.6	45.27	183.61	7,358.0	-217.2	-442.4	217.2	8.00	7.97	B Marl
7,500.0	50.96	182.95	7,405.6	-270.3	-445.4	270.3	8.00	7.97	
7,531.6	53.48	182.70	7,425.0	-295.2	-446.6	295.2	8.00	7.97	C Chalk
7,566.3	56.25	182.43	7,445.0	-323.6	-447.9	323.6	8.00	7.98	C Marl
7,600.0	58.93	182.19	7,463.0	-352.0	-449.0	352.0	8.00	7.98	
7,625.9	61.00	182.02	7,476.0	-374.4	-449.9	374.4	8.00	7.98	D Chalk
7,700.0	66.91	181.55	7,508.5	-440.9	-451.9	440.9	8.00	7.98	
7,777.5	73.10	181.11	7,535.0	-513.6	-453.6	513.6	8.00	7.98	Fort Hayes
7,800.0	74.90	180.98	7,541.2	-535.3	-454.0	535.3	8.00	7.98	
7,869.3	80.42	180.61	7,556.0	-602.9	-454.9	602.9	8.00	7.98	Codell
7,900.0	82.88	180.45	7,560.5	-633.3	-455.2	633.3	8.00	7.98	
7,989.2	90.00	180.00	7,566.0	-722.3	-455.6	722.3	8.00	7.98	Start 4080.0 hold at 7989.2 MD
8,000.0	90.00	180.00	7,566.0	-733.1	-455.6	733.1	0.00	0.00	
8,100.0	90.00	180.00	7,566.0	-833.1	-455.6	833.1	0.00	0.00	
8,200.0	90.00	180.00	7,566.0	-933.1	-455.6	933.1	0.00	0.00	
8,300.0	90.00	180.00	7,566.0	-1,033.1	-455.6	1,033.1	0.00	0.00	
8,400.0	90.00	180.00	7,566.0	-1,133.1	-455.6	1,133.1	0.00	0.00	
8,500.0	90.00	180.00	7,566.0	-1,233.1	-455.6	1,233.1	0.00	0.00	
8,600.0	90.00	180.00	7,566.0	-1,333.1	-455.6	1,333.1	0.00	0.00	
8,700.0	90.00	180.00	7,566.0	-1,433.1	-455.6	1,433.1	0.00	0.00	

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Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	13' KB @ 4978.0ft
Project:	DJ Wattenberg	MD Reference:	13' KB @ 4978.0ft
Site:	S19-T2N-R68W (Rasmussen/Regnier)	North Reference:	True
Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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
8,800.0	90.00	180.00	7,566.0	-1,533.1	-455.6	1,533.1	0.00	0.00	
8,900.0	90.00	180.00	7,566.0	-1,633.1	-455.6	1,633.1	0.00	0.00	
9,000.0	90.00	180.00	7,566.0	-1,733.1	-455.6	1,733.1	0.00	0.00	
9,100.0	90.00	180.00	7,566.0	-1,833.1	-455.6	1,833.1	0.00	0.00	
9,200.0	90.00	180.00	7,566.0	-1,933.1	-455.6	1,933.1	0.00	0.00	
9,300.0	90.00	180.00	7,566.0	-2,033.1	-455.6	2,033.1	0.00	0.00	
9,400.0	90.00	180.00	7,566.0	-2,133.1	-455.6	2,133.1	0.00	0.00	
9,500.0	90.00	180.00	7,566.0	-2,233.1	-455.6	2,233.1	0.00	0.00	
9,600.0	90.00	180.00	7,566.0	-2,333.1	-455.6	2,333.1	0.00	0.00	
9,700.0	90.00	180.00	7,566.0	-2,433.1	-455.6	2,433.1	0.00	0.00	
9,800.0	90.00	180.00	7,566.0	-2,533.1	-455.6	2,533.1	0.00	0.00	
9,900.0	90.00	180.00	7,566.0	-2,633.1	-455.6	2,633.1	0.00	0.00	
10,000.0	90.00	180.00	7,566.0	-2,733.1	-455.6	2,733.1	0.00	0.00	
10,100.0	90.00	180.00	7,566.0	-2,833.1	-455.6	2,833.1	0.00	0.00	
10,200.0	90.00	180.00	7,566.0	-2,933.1	-455.6	2,933.1	0.00	0.00	
10,300.0	90.00	180.00	7,566.0	-3,033.1	-455.6	3,033.1	0.00	0.00	
10,400.0	90.00	180.00	7,566.0	-3,133.1	-455.6	3,133.1	0.00	0.00	
10,500.0	90.00	180.00	7,566.0	-3,233.1	-455.6	3,233.1	0.00	0.00	
10,600.0	90.00	180.00	7,566.0	-3,333.1	-455.6	3,333.1	0.00	0.00	
10,700.0	90.00	180.00	7,566.0	-3,433.1	-455.6	3,433.1	0.00	0.00	
10,800.0	90.00	180.00	7,566.0	-3,533.1	-455.6	3,533.1	0.00	0.00	
10,900.0	90.00	180.00	7,566.0	-3,633.1	-455.6	3,633.1	0.00	0.00	
11,000.0	90.00	180.00	7,566.0	-3,733.1	-455.6	3,733.1	0.00	0.00	
11,100.0	90.00	180.00	7,566.0	-3,833.1	-455.6	3,833.1	0.00	0.00	
11,200.0	90.00	180.00	7,566.0	-3,933.1	-455.6	3,933.1	0.00	0.00	
11,300.0	90.00	180.00	7,566.0	-4,033.1	-455.6	4,033.1	0.00	0.00	
11,400.0	90.00	180.00	7,566.0	-4,133.1	-455.6	4,133.1	0.00	0.00	
11,500.0	90.00	180.00	7,566.0	-4,233.1	-455.6	4,233.1	0.00	0.00	
11,600.0	90.00	180.00	7,566.0	-4,333.1	-455.6	4,333.1	0.00	0.00	
11,700.0	90.00	180.00	7,566.0	-4,433.1	-455.6	4,433.1	0.00	0.00	
11,800.0	90.00	180.00	7,566.0	-4,533.1	-455.6	4,533.1	0.00	0.00	
11,900.0	90.00	180.00	7,566.0	-4,633.1	-455.6	4,633.1	0.00	0.00	
12,000.0	90.00	180.00	7,566.0	-4,733.1	-455.6	4,733.1	0.00	0.00	
12,069.2	90.00	180.00	7,566.0	-4,802.3	-455.6	4,802.3	0.00	0.00	TD at 12069.2

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Regnier 1B PBHL	0.00	0.29	7,566.0	-4,802.3	-455.6	1,286,166.43	3,127,282.68	40.118016	-105.044901
- hit/miss target									
- Shape									
- plan hits target center									
- Point									

Cathedral Energy Services

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: DJ Wattenberg
Site: S19-T2N-R68W (Rasmussen/Regnier)
Well: Regnier 1B-19H-B268
Wellbore: Hz
Design: Plan #2

Local Co-ordinate Reference: Well Regnier 1B-19H-B268
TVD Reference: 13' KB @ 4978.0ft
MD Reference: 13' KB @ 4978.0ft
North Reference: True
Survey Calculation Method: Minimum Curvature

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
250.0	250.0	Fox Hills - BASE			
4,280.8	4,273.0	Sussex			
4,824.9	4,816.0	Shannon			
6,624.5	6,612.0	Teepee Buttes (*if present)			
7,191.9	7,167.0	Sharon Springs			
7,300.2	7,260.0	Niobrara			
7,389.9	7,330.0	B Chalk			
7,428.6	7,358.0	B Marl			
7,531.6	7,425.0	C Chalk			
7,566.3	7,445.0	C Marl			
7,625.9	7,476.0	D Chalk			
7,777.5	7,535.0	Fort Hayes			
7,869.3	7,556.0	Codell			

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
300.0	300.0	0.0	0.0	Start Build 2.00
481.7	481.6	-0.1	-5.8	Start 6383.2 hold at 481.7 MD
6,864.9	6,851.9	-6.1	-410.2	Start DLS 8.00 TFO -89.15
7,989.2	7,566.0	-722.3	-455.6	Start 4080.0 hold at 7989.2 MD
12,069.2	7,566.0	-4,802.3	-455.6	TD at 12069.2

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S19-T2N-R68W (Rasmussen/Regnier)

Regnier 1B-19H-B268

Hz

Plan #2

Anticollision Report

10 December, 2014

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	12/10/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	12,069.2	Plan #2 (Hz)	Geolink MWD	Geolink MWD	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S19-T2N-R68W (Rasmussen/Regnier)						
HANKINS 1 - ENCANA - NO SURVEYS						Out of range
KENYON 34-19 - ENCANA - ENCANA	11,941.8	7,727.7	292.3	192.5	2.930	CC, ES, SF
KENYON 4-8-19 - ENCANA - ENCANA	12,069.2	7,876.0	388.0	280.2	3.597	CC, ES, SF
KENYON 8-4-19 - ENCANA - SURVEYS						Out of range
KENYON 8-6-19 - ENCANA - SURVEYS						Out of range
KENYON 8-8-19 - ENCANA - SURVEYS						Out of range
LABER 44-24 - ENCANA - NO SURVEYS						Out of range
MABLE M ROSS 1 - AMOCO WELL - NO SURVEYS						Out of range
RASMUSSEN 0-4-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN 0-6-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN 19-11 - ENCANA - GYRO						Out of range
RASMUSSEN 19-12 - ENCANA - NO SURVEYS						Out of range
RASMUSSEN 19-14 - ENCANA - GYRO	12,069.2	7,400.0	979.5	881.4	9.980	CC, ES, SF
RASMUSSEN 2-8-19 - ENCANA WELL - SURVEYS						Out of range
Rasmussen 3A-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3B-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3C-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3D-19H-M268 - HZ - Plan #2						Out of range
Rasmussen 3E-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3F-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3G-19H-M268 - HZ - Plan #2						Out of range
Rasmussen 3H-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3I-19H-M268 - HZ - Plan #2						Out of range
Rasmussen 3J-19H-M268 - HZ - Plan #2	7,689.0	12,043.7	866.7	769.2	8.888	CC
Rasmussen 3J-19H-M268 - HZ - Plan #2	7,700.0	12,043.7	866.8	769.1	8.878	ES
Rasmussen 3J-19H-M268 - HZ - Plan #2	12,069.2	7,728.6	874.7	775.3	8.796	SF
Rasmussen 3K-19H-M268 - HZ - Plan #1	7,700.0	12,197.5	636.1	536.8	6.407	SF
Rasmussen 3K-19H-M268 - HZ - Plan #1	7,850.0	12,054.4	632.7	534.8	6.463	ES
Rasmussen 3K-19H-M268 - HZ - Plan #1	7,922.5	11,982.7	632.5	535.1	6.495	CC
Rasmussen 3L-19H-M268 - HZ - Plan #2	7,602.3	12,005.2	451.9	364.5	5.171	SF
Rasmussen 3L-19H-M268 - HZ - Plan #2	8,659.1	11,038.8	424.9	346.8	5.444	CC, ES
RASMUSSEN 4-6-19 - ENCANA - SURVEYS	11,081.6	7,814.7	573.3	487.4	6.674	CC
RASMUSSEN 4-6-19 - ENCANA - SURVEYS	11,100.0	7,814.6	573.6	487.4	6.653	ES, SF
RASMUSSEN H UNIT 1 - ENCANA - GYRO						Out of range
Regnier 1A-19H-B268 - Hz - Plan #2	200.0	200.0	10.1	9.4	15.462	CC, ES
Regnier 1A-19H-B268 - Hz - Plan #2	12,069.2	11,950.8	260.2	109.0	1.720	SF
Regnier 1C-19H-B2689 - Hz - Plan #2	300.0	300.0	9.8	8.8	9.776	CC, ES
Regnier 1C-19H-B2689 - Hz - Plan #2	12,069.2	11,840.8	295.4	180.3	2.567	SF
Regnier 1D-19H-B2688 - Hz - Plan #2	300.0	300.0	19.9	18.9	19.830	CC, ES
Regnier 1D-19H-B2688 - Hz - Plan #2	12,069.2	11,924.8	469.0	302.1	2.811	SF
Regnier 1E-19H-B2687 - Hz - Plan #2	300.0	300.0	29.9	28.9	29.884	CC, ES
Regnier 1E-19H-B2687 - Hz - Plan #2	12,069.2	12,059.9	675.2	501.8	3.893	SF
Regnier 1F-19H-B2686 - Hz - Plan #2	300.0	300.0	40.0	39.0	39.939	CC, ES
Regnier 1F-19H-B2686 - Hz - Plan #2	12,069.2	11,854.7	928.3	760.0	5.515	SF
Regnier 1G-19H-B2685 - Hz - Plan #2	300.0	300.0	49.8	48.8	49.714	CC, ES
Regnier 1G-19H-B2685 - Hz - Plan #2	800.0	796.6	77.4	74.7	28.259	SF
Regnier 1H-19H-B2684 - Hz - Plan #2	300.0	300.0	59.9	58.9	59.769	CC, ES
Regnier 1H-19H-B2684 - Hz - Plan #2	800.0	793.2	92.5	89.8	33.857	SF
Regnier 1I-19H-B2683 - Hz - Plan #2	300.0	300.0	70.0	68.9	69.823	CC, ES
Regnier 1I-19H-B2683 - Hz - Plan #2	700.0	693.1	96.3	93.9	40.384	SF
Regnier 1J-19H-B2682 - Hz - Plan #2	300.0	300.0	80.0	79.0	79.878	CC, ES
Regnier 1J-19H-B2682 - Hz - Plan #2	700.0	688.4	114.7	112.3	48.294	SF
Regnier 1K-19H-B2681 - Hz - Plan #2	300.0	300.0	89.8	88.8	89.653	CC, ES

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S19-T2N-R68W (Rasmussen/Regnier)						
Regnier 1K-19H-B2681 - Hz - Plan #2	700.0	682.5	136.1	133.7	57.581	SF
Regnier 1L-19H-B268 - Hz - Plan #2	200.0	200.0	99.9	99.2	153.027	CC, ES
Regnier 1L-19H-B268 - Hz - Plan #2	700.0	675.0	161.0	158.6	68.514	SF
REGNIER 4-4-19 - ENCANA - SURVEYS	9,819.6	7,622.0	292.1	228.4	4.587	CC, ES, SF
REGNIER FARMS 2 - ENCANA - GYRO						Out of range
REGNIER FARMS 31-19 - ENCANA - GYRO	8,028.1	7,564.7	118.7	85.8	3.614	CC, ES, SF
REGNIER FARMS 32-19 - ENCANA - GYRO	9,065.4	7,555.0	194.7	146.0	3.998	CC, ES, SF
REGNIER FARMS 33-19 - ENCANA - GYRO	10,385.0	7,564.7	98.1	27.1	1.382	Level 3, CC, ES, SF
REGNIER FARMS 42-19 - ENCANA - GYRO						Out of range
REGNIER FARMS 43-19 - ENCANA - SURVEYS						Out of range
REGNIER FARMS B UNIT 1 - ENCANA - GYRO						Out of range
ROSS 0-2-19 - ENCANA - SURVEYS						Out of range
ROSS 11-19 - ENCANA - SURVEYS						Out of range
Ross 12-19 - ENCANA - SURVEYS						Out of range
ROSS 12-19 - ENCANA - SURVEYS						Out of range
ROSS 21-19 - ENCANA - GYRO						Out of range
ROSS 22-19 - ENCANA - NO SURVEYS	9,164.4	7,559.0	995.2	944.8	19.767	CC, ES
ROSS 22-19 - ENCANA - NO SURVEYS	9,200.0	7,559.0	995.8	944.9	19.552	SF
ROSS 2-4-19 - ENCANA - SURVEYS						Out of range
ROSS 41-24 - ENCANA - NO SURVEYS						Out of range
ROSS 4-2-19 - ENCANA WELL - SURVEYS	8,706.9	7,923.3	428.6	380.8	8.969	CC, ES
ROSS 4-2-19 - ENCANA WELL - SURVEYS	8,800.0	7,922.7	438.6	389.4	8.902	SF
ROSS F 1 - ENCANA - GYRO						Out of range
STROMQUIST 43-24 - ENCANA - NO SURVEYS						Out of range

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - KENYON 34-19 - ENCANA - ENCANA													Offset Site Error:	0.0 ft
Survey Program: 92-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
11,000.0	7,566.0	7,730.8	7,594.7	68.8	22.4	-90.13	-4,674.9	-163.3	986.1	902.7	83.47	11.815		
11,100.0	7,566.0	7,730.5	7,594.3	70.5	22.4	-90.07	-4,674.9	-163.3	891.1	805.9	85.19	10.460		
11,200.0	7,566.0	7,730.2	7,594.0	72.2	22.4	-90.00	-4,674.9	-163.3	797.3	710.4	86.92	9.174		
11,300.0	7,566.0	7,729.9	7,593.7	73.9	22.4	-89.94	-4,674.9	-163.3	705.2	616.6	88.64	7.956		
11,400.0	7,566.0	7,729.6	7,593.4	75.7	22.4	-89.88	-4,674.9	-163.3	615.6	525.3	90.37	6.812		
11,500.0	7,566.0	7,729.2	7,593.0	77.4	22.4	-89.81	-4,674.9	-163.3	529.8	437.7	92.10	5.752		
11,600.0	7,566.0	7,728.9	7,592.7	79.1	22.4	-89.75	-4,674.9	-163.3	449.8	355.9	93.83	4.793		
11,700.0	7,566.0	7,728.6	7,592.4	80.8	22.4	-89.68	-4,674.9	-163.3	379.4	283.8	95.56	3.970		
11,800.0	7,566.0	7,728.2	7,592.0	82.5	22.4	-89.61	-4,674.9	-163.3	324.9	227.6	97.29	3.339		
11,900.0	7,566.0	7,727.9	7,591.7	84.3	22.4	-89.55	-4,674.9	-163.3	295.3	196.2	99.02	2.982		
11,941.8	7,566.0	7,727.7	7,591.5	85.0	22.4	-89.52	-4,674.9	-163.3	292.3	192.5	99.74	2.930 CC, ES, SF		
12,000.0	7,566.0	7,727.5	7,591.3	86.0	22.4	-89.48	-4,674.9	-163.3	298.0	197.3	100.75	2.958		
12,069.2	7,566.0	7,727.3	7,591.1	87.2	22.4	-89.43	-4,674.9	-163.3	318.8	216.9	101.95	3.127		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - KENYON 4-8-19 - ENCANA - ENCANA													Offset Site Error:	0.0 ft
Survey Program: 92-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft) +E/-W (ft)		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
11,500.0	7,566.0	7,878.0	7,597.6	77.4	32.0	92.00	-5,176.2	-559.1	948.8	850.9	97.94	9.688		
11,600.0	7,566.0	7,877.6	7,597.2	79.1	32.0	91.79	-5,176.2	-559.1	849.5	749.8	99.68	8.522		
11,700.0	7,566.0	7,877.3	7,596.9	80.8	32.0	91.59	-5,176.2	-559.1	750.3	648.9	101.43	7.398		
11,800.0	7,566.0	7,876.9	7,596.5	82.5	32.0	91.39	-5,176.2	-559.1	651.4	548.3	103.17	6.314		
11,900.0	7,566.0	7,876.6	7,596.1	84.3	32.0	91.19	-5,176.2	-559.1	552.9	448.0	104.91	5.270		
12,000.0	7,566.0	7,876.2	7,595.8	86.0	32.0	90.99	-5,176.2	-559.1	455.1	348.4	106.66	4.267		
12,069.2	7,566.0	7,876.0	7,595.5	87.2	32.0	90.85	-5,176.2	-559.1	388.0	280.2	107.87	3.597 CC, ES, SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - RASMUSSEN 19-14 - ENCANA - GYRO												Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,900.0	7,566.0	7,400.0	7,396.6	84.3	13.0	79.14	-4,835.2	-1,417.0	999.6	904.3	95.27	10.493	
12,000.0	7,566.0	7,400.0	7,396.6	86.0	13.0	79.14	-4,835.2	-1,417.0	984.3	887.3	96.97	10.150	
12,069.2	7,566.0	7,400.0	7,396.6	87.2	13.0	79.14	-4,835.2	-1,417.0	979.5	881.4	98.15	9.980 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Rasmussen 3J-19H-M268 - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		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			
7,200.0	7,174.2	12,043.7	7,447.0	14.7	83.8	69.81	-444.7	-1,313.9	984.9	894.7	90.22	10.917		
7,250.0	7,217.9	12,043.7	7,447.0	14.9	83.8	72.58	-444.7	-1,313.9	963.8	872.5	91.29	10.557		
7,300.0	7,259.8	12,043.7	7,447.0	15.1	83.8	74.97	-444.7	-1,313.9	944.3	852.0	92.27	10.234		
7,350.0	7,299.7	12,043.7	7,447.0	15.3	83.8	77.03	-444.7	-1,313.9	926.6	833.4	93.16	9.946		
7,400.0	7,337.5	12,043.7	7,447.0	15.5	83.8	78.80	-444.7	-1,313.9	910.8	816.8	93.97	9.693		
7,450.0	7,372.8	12,043.7	7,447.0	15.8	83.8	80.28	-444.7	-1,313.9	897.2	802.5	94.70	9.475		
7,500.0	7,405.6	12,043.7	7,447.0	16.0	83.8	81.50	-444.7	-1,313.9	886.0	790.6	95.37	9.290		
7,550.0	7,435.8	12,043.7	7,447.0	16.4	83.8	82.45	-444.7	-1,313.9	877.2	781.2	95.98	9.139		
7,600.0	7,463.0	12,043.7	7,447.0	16.7	83.8	83.14	-444.7	-1,313.9	871.0	774.5	96.56	9.021		
7,650.0	7,487.3	12,043.7	7,447.0	17.1	83.8	83.59	-444.7	-1,313.9	867.5	770.4	97.10	8.934		
7,689.0	7,504.1	12,043.7	7,447.0	17.5	83.8	83.76	-444.7	-1,313.9	866.7	769.2	97.51	8.888 CC		
7,700.0	7,508.5	12,043.7	7,447.0	17.6	83.8	83.78	-444.7	-1,313.9	866.8	769.1	97.62	8.878 ES		
7,750.0	7,526.5	12,001.0	7,447.0	18.0	83.1	82.80	-487.4	-1,313.9	867.7	770.5	97.15	8.932		
7,800.0	7,541.2	11,953.2	7,447.0	18.5	82.3	81.87	-535.2	-1,313.9	868.7	772.1	96.65	8.989		
7,850.0	7,552.5	11,904.6	7,447.0	19.1	81.4	81.13	-583.9	-1,313.9	869.7	773.4	96.24	9.037		
7,900.0	7,560.5	11,855.2	7,447.0	19.6	80.6	80.60	-633.2	-1,314.0	870.5	774.5	95.94	9.073		
7,950.0	7,564.9	11,805.4	7,447.0	20.2	79.8	80.29	-683.0	-1,314.0	870.9	775.2	95.75	9.096		
7,989.2	7,566.0	11,766.2	7,447.0	20.7	79.1	80.22	-722.2	-1,314.0	871.0	775.4	95.67	9.104		
8,000.0	7,566.0	11,755.4	7,447.0	20.8	78.9	80.22	-733.0	-1,314.0	871.0	775.4	95.63	9.108		
8,100.0	7,566.0	11,655.4	7,447.0	22.1	77.2	80.22	-833.0	-1,314.0	871.1	775.8	95.26	9.144		
8,200.0	7,566.0	11,555.4	7,447.0	23.4	75.5	80.22	-933.0	-1,314.0	871.1	776.1	94.95	9.174		
8,300.0	7,566.0	11,455.4	7,447.0	24.8	73.8	80.22	-1,033.0	-1,314.0	871.1	776.4	94.68	9.200		
8,400.0	7,566.0	11,355.4	7,447.0	26.2	72.1	80.22	-1,133.0	-1,314.0	871.1	776.6	94.46	9.222		
8,500.0	7,566.0	11,255.4	7,447.0	27.7	70.4	80.22	-1,233.0	-1,314.0	871.1	776.8	94.26	9.241		
8,600.0	7,566.0	11,155.4	7,447.0	29.2	68.7	80.22	-1,333.0	-1,314.0	871.1	777.0	94.09	9.258		
8,700.0	7,566.0	11,055.4	7,447.0	30.7	67.0	80.22	-1,433.0	-1,314.0	871.1	777.2	93.95	9.272		
8,800.0	7,566.0	10,955.4	7,447.0	32.2	65.4	80.22	-1,533.0	-1,314.0	871.1	777.3	93.83	9.284		
8,900.0	7,566.0	10,855.4	7,447.0	33.8	63.7	80.22	-1,633.0	-1,314.0	871.1	777.4	93.72	9.294		
9,000.0	7,566.0	10,755.4	7,447.0	35.4	62.0	80.22	-1,733.0	-1,314.0	871.1	777.5	93.64	9.303		
9,100.0	7,566.0	10,655.4	7,447.0	37.0	60.3	80.22	-1,833.0	-1,314.1	871.1	777.6	93.56	9.311		
9,200.0	7,566.0	10,555.4	7,447.0	38.6	58.7	80.22	-1,933.0	-1,314.1	871.1	777.6	93.50	9.317		
9,300.0	7,566.0	10,455.4	7,447.0	40.2	57.0	80.22	-2,033.0	-1,314.1	871.2	777.7	93.45	9.322		
9,400.0	7,566.0	10,355.4	7,447.0	41.8	55.4	80.22	-2,133.0	-1,314.1	871.2	777.8	93.41	9.326		
9,500.0	7,566.0	10,255.4	7,447.0	43.5	53.7	80.22	-2,233.0	-1,314.1	871.2	777.8	93.38	9.329		
9,600.0	7,566.0	10,155.4	7,447.0	45.1	52.1	80.22	-2,333.0	-1,314.1	871.2	777.8	93.36	9.331		
9,700.0	7,566.0	10,055.4	7,447.0	46.8	50.5	80.22	-2,433.0	-1,314.1	871.2	777.8	93.35	9.332		
9,800.0	7,566.0	9,955.4	7,447.0	48.5	48.8	80.22	-2,533.0	-1,314.1	871.2	777.8	93.35	9.333		
9,900.0	7,566.0	9,855.4	7,447.0	50.1	47.2	80.22	-2,633.0	-1,314.1	871.2	777.8	93.36	9.332		
10,000.0	7,566.0	9,755.4	7,447.0	51.8	45.6	80.22	-2,733.0	-1,314.1	871.2	777.8	93.38	9.330		
10,100.0	7,566.0	9,655.4	7,447.0	53.5	44.0	80.22	-2,833.0	-1,314.1	871.2	777.8	93.40	9.327		
10,200.0	7,566.0	9,555.4	7,447.0	55.2	42.5	80.22	-2,933.0	-1,314.1	871.2	777.8	93.44	9.324		
10,300.0	7,566.0	9,455.4	7,447.0	56.9	40.9	80.22	-3,033.0	-1,314.2	871.2	777.7	93.49	9.319		
10,400.0	7,566.0	9,355.4	7,447.0	58.6	39.4	80.22	-3,133.0	-1,314.2	871.2	777.7	93.55	9.313		
10,500.0	7,566.0	9,255.4	7,447.0	60.3	37.8	80.22	-3,233.0	-1,314.2	871.3	777.6	93.62	9.306		
10,600.0	7,566.0	9,155.4	7,447.0	62.0	36.3	80.22	-3,333.0	-1,314.2	871.3	777.6	93.71	9.297		
10,700.0	7,566.0	9,055.4	7,447.0	63.7	34.8	80.22	-3,433.0	-1,314.2	871.3	777.5	93.81	9.287		
10,800.0	7,566.0	8,955.4	7,447.0	65.4	33.4	80.22	-3,533.0	-1,314.2	871.3	777.3	93.93	9.276		
10,900.0	7,566.0	8,855.4	7,447.0	67.1	31.9	80.22	-3,633.0	-1,314.2	871.3	777.2	94.07	9.262		
11,000.0	7,566.0	8,755.4	7,447.0	68.8	30.6	80.22	-3,733.0	-1,314.2	871.3	777.1	94.23	9.246		
11,100.0	7,566.0	8,655.4	7,447.0	70.5	29.2	80.22	-3,833.0	-1,314.2	871.3	776.9	94.42	9.228		
11,200.0	7,566.0	8,555.4	7,447.0	72.2	27.9	80.22	-3,933.0	-1,314.2	871.3	776.7	94.64	9.207		
11,300.0	7,566.0	8,455.4	7,447.0	73.9	26.6	80.22	-4,033.0	-1,314.2	871.3	776.4	94.89	9.182		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													S19-T2N-R68W (Rasmussen/Regnier) - Rasmussen 3J-19H-M268 - HZ - Plan #2		Offset Site Error:		0.0 ft	
Survey Program:													0-Geolink MWD		Offset Well Error:		0.0 ft	
Reference				Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor						
11,400.0	7,566.0	8,355.4	7,447.0	75.7	25.4	80.22	-4,133.0	-1,314.2	871.3	776.1	95.19	9.153						
11,500.0	7,566.0	8,255.4	7,447.0	77.4	24.3	80.22	-4,233.0	-1,314.3	871.3	775.8	95.55	9.120						
11,600.0	7,566.0	8,155.4	7,447.0	79.1	23.2	80.22	-4,333.0	-1,314.3	871.3	775.4	95.96	9.080						
11,700.0	7,566.0	8,055.4	7,447.0	80.8	22.3	80.22	-4,433.0	-1,314.3	871.4	774.9	96.46	9.033						
11,800.0	7,566.0	7,955.4	7,447.0	82.5	21.4	80.22	-4,533.0	-1,314.3	871.4	774.3	97.05	8.978						
11,900.0	7,566.0	7,855.4	7,447.0	84.3	20.7	80.22	-4,633.0	-1,314.3	871.4	773.6	97.76	8.914						
12,000.0	7,566.0	7,776.1	7,445.0	86.0	20.1	80.10	-4,712.3	-1,314.5	872.2	773.5	98.73	8.834						
12,069.2	7,566.0	7,728.6	7,439.2	87.2	19.9	79.73	-4,759.5	-1,315.2	874.7	775.3	99.44	8.796 SF						

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Rasmussen 3K-19H-M268 - HZ - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,000.0	6,986.0	12,199.4	7,576.0	14.3	84.7	46.20	-436.7	-1,086.9	967.3	887.1	80.25	12.054		
7,050.0	7,034.6	12,199.4	7,576.0	14.4	84.7	54.41	-436.7	-1,086.9	932.9	849.8	83.01	11.237		
7,100.0	7,082.3	12,199.4	7,576.0	14.5	84.7	60.68	-436.7	-1,086.9	898.9	813.3	85.61	10.499		
7,150.0	7,129.0	12,199.4	7,576.0	14.6	84.7	65.93	-436.7	-1,086.9	865.6	777.6	88.00	9.837		
7,200.0	7,174.2	12,199.4	7,576.0	14.7	84.7	70.51	-436.7	-1,086.9	833.3	743.2	90.13	9.246		
7,250.0	7,217.9	12,199.4	7,576.0	14.9	84.7	74.57	-436.7	-1,086.9	802.3	710.3	91.99	8.721		
7,300.0	7,259.8	12,199.4	7,576.0	15.1	84.7	78.19	-436.7	-1,086.9	772.8	679.2	93.58	8.258		
7,350.0	7,299.7	12,199.4	7,576.0	15.3	84.7	81.39	-436.7	-1,086.9	745.2	650.3	94.89	7.853		
7,400.0	7,337.5	12,199.4	7,576.0	15.5	84.7	84.18	-436.7	-1,086.9	719.9	624.0	95.97	7.501		
7,450.0	7,372.8	12,199.4	7,576.0	15.8	84.7	86.57	-436.7	-1,086.9	697.3	600.4	96.84	7.201		
7,500.0	7,405.6	12,199.4	7,576.0	16.0	84.7	88.57	-436.7	-1,086.9	677.6	580.1	97.53	6.948		
7,550.0	7,435.8	12,199.4	7,576.0	16.4	84.7	90.18	-436.7	-1,086.9	661.4	563.3	98.08	6.743		
7,600.0	7,463.0	12,199.4	7,576.0	16.7	84.7	91.41	-436.7	-1,086.9	648.9	550.4	98.54	6.585		
7,650.0	7,487.3	12,199.4	7,576.0	17.1	84.7	92.26	-436.7	-1,086.9	640.4	541.5	98.95	6.472		
7,700.0	7,508.5	12,197.5	7,576.0	17.6	84.7	92.67	-438.6	-1,086.9	636.1	536.8	99.29	6.407 SF		
7,750.0	7,526.5	12,150.9	7,576.0	18.0	83.9	91.41	-485.2	-1,087.1	634.3	535.5	98.79	6.421		
7,800.0	7,541.2	12,103.1	7,576.0	18.5	83.1	90.30	-533.0	-1,087.2	633.3	534.9	98.32	6.441		
7,850.0	7,552.5	12,054.4	7,576.0	19.1	82.3	89.41	-581.7	-1,087.4	632.7	534.8	97.89	6.463 ES		
7,900.0	7,560.5	12,005.1	7,576.0	19.6	81.4	88.76	-631.1	-1,087.6	632.5	535.0	97.52	6.486		
7,922.5	7,562.9	11,982.7	7,576.0	19.9	81.1	88.55	-653.4	-1,087.7	632.5	535.1	97.38	6.495 CC		
7,950.0	7,564.9	11,955.3	7,576.0	20.2	80.6	88.38	-680.9	-1,087.8	632.5	535.3	97.21	6.506		
7,989.2	7,566.0	11,916.1	7,576.0	20.7	79.9	88.28	-720.0	-1,087.9	632.6	535.6	97.00	6.522		
8,000.0	7,566.0	11,905.3	7,576.0	20.8	79.8	88.28	-730.8	-1,087.9	632.6	535.7	96.95	6.525		
8,100.0	7,566.0	11,805.3	7,576.0	22.1	78.1	88.28	-830.8	-1,088.3	633.0	536.4	96.59	6.554		
8,200.0	7,566.0	11,705.3	7,576.0	23.4	76.4	88.28	-930.8	-1,088.6	633.4	537.1	96.27	6.579		
8,300.0	7,566.0	11,605.3	7,576.0	24.8	74.7	88.28	-1,030.8	-1,089.0	633.7	537.7	96.01	6.601		
8,400.0	7,566.0	11,505.3	7,576.0	26.2	73.0	88.28	-1,130.8	-1,089.4	634.1	538.3	95.78	6.620		
8,500.0	7,566.0	11,405.3	7,576.0	27.7	71.4	88.28	-1,230.8	-1,089.7	634.4	538.8	95.59	6.637		
8,600.0	7,566.0	11,305.3	7,576.0	29.2	69.7	88.28	-1,330.8	-1,090.1	634.8	539.4	95.43	6.652		
8,700.0	7,566.0	11,205.3	7,576.0	30.7	68.0	88.29	-1,430.8	-1,090.4	635.1	539.9	95.28	6.666		
8,800.0	7,566.0	11,105.3	7,576.0	32.2	66.4	88.29	-1,530.8	-1,090.8	635.5	540.3	95.16	6.678		
8,900.0	7,566.0	11,005.3	7,576.0	33.8	64.7	88.29	-1,630.8	-1,091.2	635.9	540.8	95.06	6.689		
9,000.0	7,566.0	10,905.3	7,576.0	35.4	63.1	88.29	-1,730.8	-1,091.5	636.2	541.2	94.97	6.699		
9,100.0	7,566.0	10,805.3	7,576.0	37.0	61.4	88.29	-1,830.8	-1,091.9	636.6	541.7	94.90	6.708		
9,200.0	7,566.0	10,705.3	7,576.0	38.6	59.8	88.29	-1,930.8	-1,092.2	636.9	542.1	94.84	6.716		
9,300.0	7,566.0	10,605.3	7,576.0	40.2	58.2	88.29	-2,030.8	-1,092.6	637.3	542.5	94.80	6.723		
9,400.0	7,566.0	10,505.3	7,576.0	41.8	56.5	88.29	-2,130.8	-1,092.9	637.6	542.9	94.76	6.729		
9,500.0	7,566.0	10,405.3	7,576.0	43.5	54.9	88.29	-2,230.8	-1,093.3	638.0	543.3	94.73	6.735		
9,600.0	7,566.0	10,305.3	7,576.0	45.1	53.3	88.29	-2,330.8	-1,093.7	638.4	543.6	94.72	6.740		
9,700.0	7,566.0	10,205.3	7,576.0	46.8	51.7	88.30	-2,430.8	-1,094.0	638.7	544.0	94.71	6.744		
9,800.0	7,566.0	10,105.3	7,576.0	48.5	50.1	88.30	-2,530.8	-1,094.4	639.1	544.4	94.71	6.747		
9,900.0	7,566.0	10,005.3	7,576.0	50.1	48.6	88.30	-2,630.8	-1,094.7	639.4	544.7	94.73	6.750		
10,000.0	7,566.0	9,905.3	7,576.0	51.8	47.0	88.30	-2,730.8	-1,095.1	639.8	545.0	94.75	6.752		
10,100.0	7,566.0	9,805.3	7,576.0	53.5	45.5	88.30	-2,830.8	-1,095.4	640.1	545.4	94.78	6.754		
10,200.0	7,566.0	9,705.3	7,576.0	55.2	43.9	88.30	-2,930.8	-1,095.8	640.5	545.7	94.83	6.755		
10,300.0	7,566.0	9,605.3	7,576.0	56.9	42.4	88.30	-3,030.8	-1,096.2	640.9	546.0	94.88	6.754		
10,400.0	7,566.0	9,505.3	7,576.0	58.6	40.9	88.30	-3,130.8	-1,096.5	641.2	546.3	94.95	6.753		
10,500.0	7,566.0	9,405.3	7,576.0	60.3	39.4	88.30	-3,230.8	-1,096.9	641.6	546.6	95.03	6.752		
10,600.0	7,566.0	9,305.3	7,576.0	62.0	38.0	88.30	-3,330.8	-1,097.2	641.9	546.8	95.12	6.749		
10,700.0	7,566.0	9,205.3	7,576.0	63.7	36.6	88.30	-3,430.8	-1,097.6	642.3	547.1	95.23	6.745		
10,800.0	7,566.0	9,105.3	7,576.0	65.4	35.2	88.31	-3,530.8	-1,097.9	642.6	547.3	95.36	6.739		
10,900.0	7,566.0	9,005.3	7,576.0	67.1	33.8	88.31	-3,630.8	-1,098.3	643.0	547.5	95.50	6.733		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Rasmussen 3K-19H-M268 - HZ - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,000.0	7,566.0	8,905.3	7,576.0	68.8	32.5	88.31	-3,730.8	-1,098.7	643.4	547.7	95.67	6.724	
11,100.0	7,566.0	8,805.3	7,576.0	70.5	31.2	88.31	-3,830.8	-1,099.0	643.7	547.8	95.87	6.714	
11,200.0	7,566.0	8,705.3	7,576.0	72.2	30.0	88.31	-3,930.8	-1,099.4	644.1	548.0	96.10	6.702	
11,300.0	7,566.0	8,605.3	7,576.0	73.9	28.8	88.31	-4,030.8	-1,099.7	644.4	548.1	96.37	6.687	
11,400.0	7,566.0	8,505.3	7,576.0	75.7	27.7	88.31	-4,130.8	-1,100.1	644.8	548.1	96.69	6.669	
11,500.0	7,566.0	8,405.3	7,576.0	77.4	26.7	88.31	-4,230.8	-1,100.4	645.1	548.1	97.06	6.647	
11,600.0	7,566.0	8,305.3	7,576.0	79.1	25.7	88.31	-4,330.8	-1,100.8	645.5	548.0	97.49	6.621	
11,700.0	7,566.0	8,205.3	7,576.0	80.8	24.9	88.31	-4,430.8	-1,101.2	645.9	547.9	98.01	6.590	
11,800.0	7,566.0	8,105.3	7,576.0	82.5	24.1	88.32	-4,530.8	-1,101.5	646.2	547.6	98.62	6.553	
11,900.0	7,566.0	8,005.3	7,576.0	84.3	23.4	88.32	-4,630.8	-1,101.9	646.6	547.2	99.35	6.508	
12,000.0	7,566.0	7,917.1	7,573.0	86.0	22.9	88.05	-4,718.9	-1,102.6	647.6	547.3	100.30	6.456	
12,069.2	7,566.0	7,860.5	7,564.4	87.2	22.6	87.30	-4,774.8	-1,104.1	649.8	548.8	101.02	6.432	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Rasmussen 3L-19H-M268 - HZ - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (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
6,600.0	6,587.6	12,005.2	7,341.0	13.4	85.6	-43.81	-429.1	-867.9	963.9	904.8		59.05	16.323
6,700.0	6,687.4	12,005.2	7,341.0	13.6	85.6	-43.81	-429.1	-867.9	887.9	828.7		59.24	14.988
6,800.0	6,787.2	12,005.2	7,341.0	13.8	85.6	-43.81	-429.1	-867.9	817.1	757.7		59.43	13.749
6,864.9	6,851.9	12,005.2	7,341.0	14.0	85.6	-43.81	-429.1	-867.9	774.7	715.1		59.55	13.008
6,900.0	6,887.0	12,005.2	7,341.0	14.0	85.6	-4.81	-429.1	-867.9	752.5	691.3		61.21	12.293
6,950.0	6,936.7	12,005.2	7,341.0	14.1	85.6	21.41	-429.1	-867.9	721.2	657.5		63.65	11.330
7,000.0	6,986.0	12,005.2	7,341.0	14.3	85.6	33.22	-429.1	-867.9	690.2	624.0		66.13	10.436
7,050.0	7,034.6	12,005.2	7,341.0	14.4	85.6	40.39	-429.1	-867.9	659.7	591.1		68.63	9.612
7,100.0	7,082.3	12,005.2	7,341.0	14.5	85.6	45.61	-429.1	-867.9	630.0	558.9		71.09	8.862
7,150.0	7,129.0	12,005.2	7,341.0	14.6	85.6	49.80	-429.1	-867.9	601.4	527.9		73.47	8.186
7,200.0	7,174.2	12,005.2	7,341.0	14.7	85.6	53.34	-429.1	-867.9	574.2	498.4		75.74	7.581
7,250.0	7,217.9	12,005.2	7,341.0	14.9	85.6	56.39	-429.1	-867.9	548.7	470.8		77.85	7.047
7,300.0	7,259.8	12,005.2	7,341.0	15.1	85.6	59.02	-429.1	-867.9	525.2	445.4		79.80	6.582
7,350.0	7,299.7	12,005.2	7,341.0	15.3	85.6	61.26	-429.1	-867.9	504.3	422.8		81.55	6.184
7,400.0	7,337.5	12,005.2	7,341.0	15.5	85.6	63.13	-429.1	-867.9	486.4	403.3		83.11	5.853
7,450.0	7,372.8	12,005.2	7,341.0	15.8	85.6	64.63	-429.1	-867.9	471.8	387.4		84.46	5.586
7,500.0	7,405.6	12,005.2	7,341.0	16.0	85.6	65.75	-429.1	-867.9	461.0	375.4		85.62	5.385
7,550.0	7,435.8	12,005.2	7,341.0	16.4	85.6	66.51	-429.1	-867.9	454.3	367.7		86.58	5.247
7,600.0	7,463.0	12,005.2	7,341.0	16.7	85.6	66.89	-429.1	-867.9	451.9	364.6		87.37	5.173
7,602.3	7,464.2	12,005.2	7,341.0	16.8	85.6	66.89	-429.1	-867.9	451.9	364.5		87.40	5.171 SF
7,650.0	7,487.3	11,992.4	7,341.0	17.1	85.4	66.13	-441.9	-866.5	453.7	366.5		87.19	5.204
7,700.0	7,508.5	11,947.5	7,341.0	17.6	84.7	63.56	-486.4	-861.6	456.6	371.4		85.17	5.361
7,750.0	7,526.5	11,901.3	7,341.0	18.0	84.0	61.30	-532.4	-856.5	459.1	375.6		83.44	5.502
7,800.0	7,541.2	11,854.0	7,341.0	18.5	83.2	59.39	-579.4	-851.2	460.7	378.6		82.09	5.612
7,850.0	7,552.5	11,805.7	7,341.0	19.1	82.4	57.86	-627.5	-845.9	461.3	380.1		81.18	5.682
7,900.0	7,560.5	11,756.7	7,341.0	19.6	81.6	56.76	-676.2	-840.5	460.4	379.7		80.75	5.702
7,950.0	7,564.9	11,707.2	7,341.0	20.2	80.8	56.10	-725.3	-835.0	458.0	377.2		80.82	5.667
7,989.2	7,566.0	11,668.6	7,341.0	20.7	80.2	55.90	-763.7	-830.7	454.9	373.7		81.23	5.601
8,000.0	7,566.0	11,658.5	7,341.0	20.8	80.0	55.82	-773.7	-829.6	454.0	372.8		81.13	5.595
8,100.0	7,566.0	11,565.1	7,341.0	22.1	78.5	55.15	-866.7	-820.3	445.7	365.4		80.33	5.549
8,200.0	7,566.0	11,471.3	7,341.0	23.4	77.0	54.56	-960.1	-812.5	438.9	359.2		79.64	5.511
8,300.0	7,566.0	11,377.4	7,341.0	24.8	75.5	54.08	-1,053.8	-806.2	433.4	354.4		79.06	5.482
8,400.0	7,566.0	11,283.2	7,341.0	26.2	74.0	53.70	-1,147.9	-801.4	429.3	350.7		78.61	5.461
8,500.0	7,566.0	11,188.9	7,341.0	27.7	72.5	53.44	-1,242.1	-798.1	426.5	348.2		78.29	5.448
8,600.0	7,566.0	11,094.6	7,341.0	29.2	70.9	53.31	-1,336.4	-796.4	425.1	347.0		78.10	5.443
8,659.1	7,566.0	11,038.8	7,341.0	30.1	70.0	53.28	-1,392.2	-796.2	424.9	346.8		78.04	5.444 CC, ES
8,700.0	7,566.0	11,000.0	7,341.0	30.7	69.4	53.30	-1,431.0	-796.3	425.0	346.9		78.03	5.446
8,800.0	7,566.0	10,903.9	7,341.0	32.2	67.8	53.40	-1,527.1	-797.6	426.1	348.0		78.07	5.458
8,900.0	7,566.0	10,803.9	7,341.0	33.8	66.2	53.54	-1,627.1	-799.4	427.5	349.4		78.09	5.474
9,000.0	7,566.0	10,703.9	7,341.0	35.4	64.6	53.68	-1,727.0	-801.2	428.9	350.8		78.13	5.490
9,100.0	7,566.0	10,603.9	7,341.0	37.0	63.0	53.82	-1,827.0	-802.9	430.3	352.2		78.18	5.504
9,200.0	7,566.0	10,504.0	7,341.0	38.6	61.4	53.96	-1,927.0	-804.7	431.8	353.5		78.24	5.518
9,300.0	7,566.0	10,404.0	7,341.0	40.2	59.8	54.10	-2,026.9	-806.4	433.2	354.9		78.31	5.531
9,400.0	7,566.0	10,304.0	7,341.0	41.8	58.2	54.23	-2,126.9	-808.2	434.6	356.2		78.39	5.544
9,500.0	7,566.0	10,204.0	7,341.0	43.5	56.6	54.37	-2,226.9	-809.9	436.0	357.5		78.47	5.556
9,600.0	7,566.0	10,104.0	7,341.0	45.1	55.1	54.50	-2,326.8	-811.7	437.4	358.9		78.56	5.568
9,700.0	7,566.0	10,004.0	7,341.0	46.8	53.5	54.63	-2,426.8	-813.4	438.9	360.2		78.66	5.579
9,800.0	7,566.0	9,904.1	7,341.0	48.5	52.0	54.76	-2,526.8	-815.2	440.3	361.5		78.77	5.590
9,900.0	7,566.0	9,804.1	7,341.0	50.1	50.4	54.90	-2,626.8	-816.9	441.7	362.9		78.88	5.600
10,000.0	7,566.0	9,704.1	7,341.0	51.8	48.9	55.03	-2,726.7	-818.7	443.2	364.2		79.00	5.610
10,100.0	7,566.0	9,604.1	7,341.0	53.5	47.4	55.16	-2,826.7	-820.4	444.6	365.5		79.12	5.619
10,200.0	7,566.0	9,504.1	7,341.0	55.2	45.9	55.28	-2,926.7	-822.2	446.1	366.8		79.26	5.628

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Rasmussen 3L-19H-M268 - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,300.0	7,566.0	9,404.1	7,341.0	56.9	44.5	55.41	-3,026.6	-823.9	447.5	368.1	79.40	5.636		
10,400.0	7,566.0	9,304.1	7,341.0	58.6	43.1	55.54	-3,126.6	-825.7	448.9	369.4	79.55	5.644		
10,500.0	7,566.0	9,204.2	7,341.0	60.3	41.6	55.67	-3,226.6	-827.5	450.4	370.7	79.71	5.650		
10,600.0	7,566.0	9,104.2	7,341.0	62.0	40.3	55.79	-3,326.5	-829.2	451.8	372.0	79.88	5.657		
10,700.0	7,566.0	9,004.2	7,341.0	63.7	38.9	55.92	-3,426.5	-831.0	453.3	373.2	80.06	5.662		
10,800.0	7,566.0	8,904.2	7,341.0	65.4	37.6	56.04	-3,526.5	-832.7	454.7	374.5	80.25	5.666		
10,900.0	7,566.0	8,804.2	7,341.0	67.1	36.3	56.16	-3,626.4	-834.5	456.2	375.7	80.46	5.670		
11,000.0	7,566.0	8,704.2	7,341.0	68.8	35.1	56.28	-3,726.4	-836.2	457.7	377.0	80.69	5.672		
11,100.0	7,566.0	8,604.3	7,341.0	70.5	33.9	56.41	-3,826.4	-838.0	459.1	378.2	80.94	5.672		
11,200.0	7,566.0	8,504.3	7,341.0	72.2	32.7	56.53	-3,926.4	-839.7	460.6	379.4	81.21	5.672		
11,300.0	7,566.0	8,404.3	7,341.0	73.9	31.6	56.65	-4,026.3	-841.5	462.0	380.5	81.51	5.669		
11,400.0	7,566.0	8,304.3	7,341.0	75.7	30.6	56.77	-4,126.3	-843.2	463.5	381.7	81.84	5.663		
11,500.0	7,566.0	8,204.3	7,341.0	77.4	29.7	56.88	-4,226.3	-845.0	465.0	382.8	82.22	5.655		
11,600.0	7,566.0	8,104.3	7,341.0	79.1	28.8	57.00	-4,326.2	-846.7	466.4	383.8	82.64	5.644		
11,700.0	7,566.0	8,004.3	7,341.0	80.8	28.0	57.12	-4,426.2	-848.5	467.9	384.8	83.13	5.628		
11,800.0	7,566.0	7,904.4	7,341.0	82.5	27.3	57.24	-4,526.2	-850.2	469.4	385.7	83.70	5.608		
11,900.0	7,566.0	7,804.4	7,341.0	84.3	26.7	57.35	-4,626.1	-852.0	470.9	386.5	84.36	5.581		
12,000.0	7,566.0	7,731.8	7,339.0	86.0	26.3	57.25	-4,698.6	-853.6	474.5	389.4	85.16	5.572		
12,069.2	7,566.0	7,688.3	7,333.7	87.2	26.1	56.84	-4,741.8	-855.4	481.4	395.9	85.49	5.631		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - RASMUSSEN 4-6-19 - ENCANA - SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 102-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,300.0	7,566.0	7,818.2	7,614.9	56.9	29.2	91.38	-3,814.6	-1,028.8	969.3	896.8	72.48	13.372		
10,400.0	7,566.0	7,817.7	7,614.4	58.6	29.2	91.33	-3,814.6	-1,028.8	890.6	816.4	74.19	12.004		
10,500.0	7,566.0	7,817.2	7,614.0	60.3	29.2	91.29	-3,814.6	-1,028.8	816.6	740.7	75.91	10.758		
10,600.0	7,566.0	7,816.8	7,613.5	62.0	29.2	91.24	-3,814.6	-1,028.8	748.7	671.1	77.62	9.646		
10,700.0	7,566.0	7,816.4	7,613.1	63.7	29.2	91.20	-3,814.6	-1,028.8	688.7	609.4	79.34	8.680		
10,800.0	7,566.0	7,815.9	7,612.6	65.4	29.2	91.15	-3,814.6	-1,028.8	638.7	557.7	81.06	7.880		
10,900.0	7,566.0	7,815.5	7,612.2	67.1	29.2	91.11	-3,814.6	-1,028.8	601.4	518.6	82.78	7.265		
11,000.0	7,566.0	7,815.0	7,611.8	68.8	29.2	91.07	-3,814.6	-1,028.8	579.1	494.6	84.50	6.853		
11,081.6	7,566.0	7,814.7	7,611.4	70.2	29.2	91.03	-3,814.6	-1,028.8	573.3	487.4	85.91	6.674 CC		
11,100.0	7,566.0	7,814.6	7,611.3	70.5	29.2	91.02	-3,814.6	-1,028.8	573.6	487.4	86.23	6.653 ES, SF		
11,200.0	7,566.0	7,814.2	7,610.9	72.2	29.2	90.98	-3,814.6	-1,028.8	585.4	497.5	87.95	6.656		
11,300.0	7,566.0	7,813.7	7,610.5	73.9	29.2	90.94	-3,814.6	-1,028.8	613.5	523.9	89.68	6.841		
11,400.0	7,566.0	7,813.3	7,610.0	75.7	29.2	90.89	-3,814.7	-1,028.9	655.8	564.4	91.41	7.175		
11,500.0	7,566.0	7,812.9	7,609.6	77.4	29.2	90.85	-3,814.7	-1,028.9	709.8	616.7	93.14	7.621		
11,600.0	7,566.0	7,812.5	7,609.2	79.1	29.2	90.81	-3,814.7	-1,028.9	773.0	678.1	94.87	8.148		
11,700.0	7,566.0	7,812.1	7,608.8	80.8	29.2	90.77	-3,814.7	-1,028.9	843.3	746.7	96.60	8.730		
11,800.0	7,566.0	7,811.7	7,608.4	82.5	29.2	90.73	-3,814.7	-1,028.9	919.2	820.8	98.33	9.348		
11,900.0	7,566.0	7,811.2	7,608.0	84.3	29.2	90.69	-3,814.7	-1,028.9	999.3	899.2	100.06	9.986		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1A-19H-B268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (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	-94.16	-0.7	-10.1	10.1					
100.0	100.0	100.0	100.0	0.2	0.2	-94.16	-0.7	-10.1	10.1	9.8	0.30	33.234		
200.0	200.0	200.0	200.0	0.3	0.3	-94.16	-0.7	-10.1	10.1	9.4	0.65	15.462	CC, ES	
300.0	300.0	299.6	299.6	0.5	0.5	-93.69	-0.8	-11.8	11.8	10.8	1.00	11.772		
400.0	400.0	399.1	398.9	0.7	0.7	-2.22	-0.8	-17.0	15.3	13.9	1.35	11.336		
481.7	481.6	480.3	479.9	0.8	0.9	-1.90	-1.0	-23.7	18.1	16.5	1.63	11.080		
500.0	499.8	498.6	498.1	0.9	0.9	-1.85	-1.0	-25.5	18.7	17.0	1.70	10.993		
600.0	599.6	598.6	597.6	1.1	1.1	-1.62	-1.1	-34.9	21.7	19.7	2.05	10.617		
700.0	699.4	698.5	697.1	1.3	1.4	-1.45	-1.3	-44.3	24.8	22.4	2.40	10.351		
800.0	799.2	798.5	796.6	1.5	1.6	-1.31	-1.4	-53.7	27.9	25.1	2.75	10.153		
900.0	899.0	898.4	896.1	1.7	1.8	-1.21	-1.6	-63.1	30.9	27.8	3.09	9.999		
1,000.0	998.8	998.4	995.6	1.9	2.1	-1.12	-1.7	-72.4	34.0	30.6	3.44	9.877		
1,100.0	1,098.6	1,098.3	1,095.1	2.1	2.3	-1.04	-1.9	-81.8	37.1	33.3	3.79	9.778		
1,200.0	1,198.4	1,198.3	1,194.7	2.3	2.6	-0.98	-2.0	-91.2	40.2	36.0	4.14	9.695		
1,300.0	1,298.2	1,298.2	1,294.2	2.5	2.8	-0.93	-2.2	-100.6	43.2	38.7	4.49	9.625		
1,400.0	1,398.0	1,398.2	1,393.7	2.7	3.0	-0.88	-2.3	-110.0	46.3	41.5	4.84	9.566		
1,500.0	1,497.8	1,498.1	1,493.2	2.9	3.3	-0.84	-2.5	-119.4	49.4	44.2	5.19	9.514		
1,600.0	1,597.6	1,598.1	1,592.7	3.1	3.5	-0.80	-2.6	-128.8	52.4	46.9	5.54	9.469		
1,700.0	1,697.4	1,698.0	1,692.2	3.3	3.7	-0.77	-2.8	-138.2	55.5	49.6	5.89	9.429		
1,800.0	1,797.2	1,798.0	1,791.7	3.5	4.0	-0.74	-2.9	-147.6	58.6	52.4	6.24	9.394		
1,900.0	1,897.0	1,898.0	1,891.2	3.7	4.2	-0.72	-3.1	-157.0	61.7	55.1	6.59	9.362		
2,000.0	1,996.8	1,997.9	1,990.7	3.9	4.5	-0.69	-3.3	-166.4	64.7	57.8	6.94	9.334		
2,100.0	2,096.6	2,097.9	2,090.3	4.1	4.7	-0.67	-3.4	-175.8	67.8	60.5	7.29	9.308		
2,200.0	2,196.4	2,197.8	2,189.8	4.3	4.9	-0.65	-3.6	-185.2	70.9	63.3	7.63	9.285		
2,300.0	2,296.2	2,297.8	2,289.3	4.5	5.2	-0.63	-3.7	-194.6	74.0	66.0	7.98	9.264		
2,400.0	2,396.0	2,397.7	2,388.8	4.7	5.4	-0.62	-3.9	-204.0	77.0	68.7	8.33	9.244		
2,500.0	2,495.8	2,497.7	2,488.3	5.0	5.7	-0.60	-4.0	-213.4	80.1	71.4	8.68	9.226		
2,600.0	2,595.6	2,597.6	2,587.8	5.2	5.9	-0.59	-4.2	-222.8	83.2	74.1	9.03	9.210		
2,700.0	2,695.4	2,697.6	2,687.3	5.4	6.1	-0.58	-4.3	-232.2	86.3	76.9	9.38	9.195		
2,800.0	2,795.2	2,797.5	2,786.8	5.6	6.4	-0.56	-4.5	-241.6	89.3	79.6	9.73	9.180		
2,900.0	2,895.0	2,897.5	2,886.3	5.8	6.6	-0.55	-4.6	-251.0	92.4	82.3	10.08	9.167		
3,000.0	2,994.8	2,997.4	2,985.8	6.0	6.9	-0.54	-4.8	-260.4	95.5	85.0	10.43	9.155		
3,100.0	3,094.6	3,097.4	3,085.4	6.2	7.1	-0.53	-4.9	-269.8	98.5	87.8	10.78	9.143		
3,200.0	3,194.4	3,197.3	3,184.9	6.4	7.3	-0.52	-5.1	-279.1	101.6	90.5	11.13	9.133		
3,300.0	3,294.2	3,297.3	3,284.4	6.6	7.6	-0.51	-5.2	-288.5	104.7	93.2	11.48	9.122		
3,400.0	3,394.0	3,397.2	3,383.9	6.8	7.8	-0.51	-5.4	-297.9	107.8	95.9	11.83	9.113		
3,500.0	3,493.8	3,497.2	3,483.4	7.0	8.1	-0.50	-5.5	-307.3	110.8	98.7	12.17	9.104		
3,600.0	3,593.6	3,597.2	3,582.9	7.2	8.3	-0.49	-5.7	-316.7	113.9	101.4	12.52	9.095		
3,700.0	3,693.4	3,697.1	3,682.4	7.4	8.5	-0.48	-5.8	-326.1	117.0	104.1	12.87	9.087		
3,800.0	3,793.2	3,797.1	3,781.9	7.6	8.8	-0.48	-6.0	-335.5	120.1	106.8	13.22	9.080		
3,900.0	3,893.0	3,897.0	3,881.4	7.8	9.0	-0.47	-6.1	-344.9	123.1	109.6	13.57	9.073		
4,000.0	3,992.8	3,997.0	3,980.9	8.1	9.3	-0.46	-6.3	-354.3	126.2	112.3	13.92	9.066		
4,100.0	4,092.6	4,096.9	4,080.5	8.3	9.5	-0.46	-6.4	-363.7	129.3	115.0	14.27	9.059		
4,200.0	4,192.4	4,196.9	4,180.0	8.5	9.7	-0.45	-6.6	-373.1	132.3	117.7	14.62	9.053		
4,300.0	4,292.2	4,296.8	4,279.5	8.7	10.0	-0.45	-6.7	-382.5	135.4	120.4	14.97	9.047		
4,400.0	4,392.0	4,396.8	4,379.0	8.9	10.2	-0.44	-6.9	-391.9	138.5	123.2	15.32	9.041		
4,500.0	4,491.8	4,496.7	4,478.5	9.1	10.5	-0.44	-7.0	-401.3	141.6	125.9	15.67	9.036		
4,600.0	4,591.6	4,596.7	4,578.0	9.3	10.7	-0.43	-7.2	-410.7	144.6	128.6	16.02	9.031		
4,700.0	4,691.4	4,696.6	4,677.5	9.5	10.9	-0.43	-7.3	-420.1	147.7	131.3	16.36	9.026		
4,800.0	4,791.2	4,796.6	4,777.0	9.7	11.2	-0.43	-7.5	-429.5	150.8	134.1	16.71	9.021		
4,900.0	4,891.0	4,896.5	4,876.5	9.9	11.4	-0.42	-7.6	-438.9	153.9	136.8	17.06	9.017		
5,000.0	4,990.8	4,996.5	4,976.0	10.1	11.7	-0.42	-7.8	-448.3	156.9	139.5	17.41	9.012		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1A-19H-B268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	5,090.6	5,096.4	5,075.6	10.3	11.9	-0.41	-7.9	-457.7	160.0	142.2	17.76	9.008		
5,200.0	5,190.4	5,196.4	5,175.1	10.5	12.1	-0.41	-8.1	-467.1	163.1	145.0	18.11	9.004		
5,300.0	5,290.2	5,296.3	5,274.6	10.7	12.4	-0.41	-8.3	-476.5	166.1	147.7	18.46	9.000		
5,400.0	5,390.0	5,396.3	5,374.1	10.9	12.6	-0.40	-8.4	-485.8	169.2	150.4	18.81	8.997		
5,500.0	5,489.8	5,496.3	5,473.6	11.2	12.9	-0.40	-8.6	-495.2	172.3	153.1	19.16	8.993		
5,600.0	5,589.6	5,596.2	5,573.1	11.4	13.1	-0.40	-8.7	-504.6	175.4	155.9	19.51	8.990		
5,700.0	5,689.4	5,696.2	5,672.6	11.6	13.3	-0.39	-8.9	-514.0	178.4	158.6	19.86	8.986		
5,800.0	5,789.2	5,796.1	5,772.1	11.8	13.6	-0.39	-9.0	-523.4	181.5	161.3	20.21	8.983		
5,900.0	5,889.0	5,896.1	5,871.6	12.0	13.8	-0.39	-9.2	-532.8	184.6	164.0	20.56	8.980		
6,000.0	5,988.8	5,996.0	5,971.1	12.2	14.1	-0.39	-9.3	-542.2	187.7	166.8	20.90	8.977		
6,100.0	6,088.6	6,096.0	6,070.7	12.4	14.3	-0.38	-9.5	-551.6	190.7	169.5	21.25	8.974		
6,200.0	6,188.4	6,195.9	6,170.2	12.6	14.5	-0.38	-9.6	-561.0	193.8	172.2	21.60	8.971		
6,300.0	6,288.2	6,295.9	6,269.7	12.8	14.8	-0.38	-9.8	-570.4	196.9	174.9	21.95	8.968		
6,400.0	6,388.0	6,395.8	6,369.2	13.0	15.0	-0.38	-9.9	-579.8	199.9	177.6	22.30	8.966		
6,500.0	6,487.8	6,495.8	6,468.7	13.2	15.3	-0.37	-10.1	-589.2	203.0	180.4	22.65	8.963		
6,600.0	6,587.6	6,595.7	6,568.2	13.4	15.5	-0.37	-10.2	-598.6	206.1	183.1	23.00	8.961		
6,700.0	6,687.4	6,695.7	6,667.7	13.6	15.7	-0.37	-10.4	-608.0	209.2	185.8	23.35	8.958		
6,800.0	6,787.2	6,795.3	6,766.9	13.8	16.0	-0.73	-11.9	-617.4	212.3	188.6	23.70	8.957		
6,864.9	6,851.9	6,859.0	6,829.9	14.0	16.1	-2.53	-18.7	-623.3	214.6	190.6	23.93	8.967		
6,900.0	6,887.0	6,893.0	6,863.2	14.0	16.2	33.38	-24.6	-626.4	216.0	192.0	24.06	8.978		
6,950.0	6,936.7	6,940.9	6,909.6	14.1	16.3	55.20	-35.7	-630.8	218.3	194.0	24.24	9.003		
7,000.0	6,986.0	6,988.5	6,954.8	14.3	16.5	62.64	-49.7	-635.1	220.7	196.3	24.42	9.038		
7,050.0	7,034.6	7,035.6	6,998.6	14.4	16.6	65.52	-66.6	-639.2	223.4	198.8	24.58	9.085		
7,100.0	7,082.3	7,082.3	7,040.9	14.5	16.7	66.56	-86.1	-643.2	226.1	201.4	24.73	9.142		
7,150.0	7,129.0	7,128.6	7,081.4	14.6	16.9	66.74	-108.1	-647.1	228.9	204.1	24.86	9.209		
7,200.0	7,174.2	7,174.6	7,120.2	14.7	17.0	66.48	-132.6	-650.7	231.8	206.8	24.97	9.283		
7,250.0	7,217.9	7,220.2	7,157.1	14.9	17.2	65.98	-159.2	-654.2	234.7	209.6	25.08	9.359		
7,300.0	7,259.8	7,265.6	7,191.9	15.1	17.4	65.35	-188.0	-657.5	237.6	212.4	25.19	9.433		
7,350.0	7,299.7	7,310.6	7,224.7	15.3	17.6	64.67	-218.8	-660.6	240.4	215.1	25.31	9.500		
7,400.0	7,337.5	7,355.4	7,255.3	15.5	17.9	63.99	-251.3	-663.5	243.2	217.7	25.46	9.551		
7,450.0	7,372.8	7,400.0	7,283.7	15.8	18.1	63.32	-285.6	-666.2	245.8	220.1	25.66	9.579		
7,500.0	7,405.6	7,444.3	7,309.8	16.0	18.4	62.68	-321.3	-668.6	248.2	222.3	25.92	9.576		
7,550.0	7,435.8	7,488.5	7,333.6	16.4	18.7	62.09	-358.5	-670.9	250.5	224.2	26.27	9.536		
7,600.0	7,463.0	7,532.5	7,354.9	16.7	19.0	61.56	-396.9	-672.9	252.6	225.9	26.72	9.455		
7,650.0	7,487.3	7,576.3	7,373.8	17.1	19.4	61.10	-436.4	-674.7	254.5	227.2	27.28	9.329		
7,700.0	7,508.5	7,620.0	7,390.2	17.6	19.7	60.69	-476.9	-676.2	256.1	228.1	27.96	9.160		
7,750.0	7,526.5	7,663.6	7,404.1	18.0	20.1	60.36	-518.2	-677.5	257.5	228.7	28.77	8.949		
7,800.0	7,541.2	7,707.2	7,415.5	18.5	20.6	60.10	-560.2	-678.6	258.6	228.9	29.72	8.702		
7,850.0	7,552.5	7,750.0	7,424.1	19.1	21.0	59.91	-602.1	-679.4	259.4	228.6	30.79	8.426		
7,900.0	7,560.5	7,794.0	7,430.4	19.6	21.4	59.80	-645.7	-680.0	260.0	228.0	32.00	8.125		
7,950.0	7,564.9	7,837.4	7,434.0	20.2	21.9	59.75	-688.9	-680.3	260.2	226.9	33.32	7.811		
7,989.2	7,566.0	7,871.4	7,435.0	20.7	22.3	59.77	-722.9	-680.4	260.2	225.8	34.43	7.559		
7,993.7	7,566.0	7,875.3	7,435.0	20.7	22.3	59.77	-726.8	-680.4	260.2	225.7	34.52	7.538		
8,000.0	7,566.0	7,881.6	7,435.0	20.8	22.4	59.77	-733.1	-680.4	260.2	225.6	34.66	7.507		
8,100.0	7,566.0	7,981.6	7,435.0	22.1	23.6	59.77	-833.1	-680.4	260.2	223.2	36.99	7.035		
8,200.0	7,566.0	8,081.6	7,435.0	23.4	24.8	59.77	-933.1	-680.4	260.2	220.8	39.41	6.603		
8,300.0	7,566.0	8,181.6	7,435.0	24.8	26.1	59.77	-1,033.1	-680.4	260.2	218.3	41.91	6.209		
8,400.0	7,566.0	8,281.6	7,435.0	26.2	27.5	59.77	-1,133.1	-680.4	260.2	215.7	44.48	5.850		
8,500.0	7,566.0	8,381.6	7,435.0	27.7	28.9	59.77	-1,233.1	-680.4	260.2	213.1	47.11	5.524		
8,600.0	7,566.0	8,481.6	7,435.0	29.2	30.3	59.77	-1,333.1	-680.4	260.2	210.5	49.78	5.228		
8,700.0	7,566.0	8,581.6	7,435.0	30.7	31.8	59.77	-1,433.1	-680.4	260.2	207.7	52.49	4.958		
8,800.0	7,566.0	8,681.6	7,435.0	32.2	33.3	59.77	-1,533.1	-680.4	260.2	205.0	55.23	4.711		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1A-19H-B268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
8,900.0	7,566.0	8,781.6	7,435.0	33.8	34.8	59.77	-1,633.1	-680.4	260.2	202.2	58.01	4.486		
9,000.0	7,566.0	8,881.6	7,435.0	35.4	36.3	59.77	-1,733.1	-680.4	260.2	199.4	60.81	4.279		
9,100.0	7,566.0	8,981.6	7,435.0	37.0	37.9	59.77	-1,833.1	-680.4	260.2	196.6	63.63	4.090		
9,200.0	7,566.0	9,081.6	7,435.0	38.6	39.4	59.77	-1,933.1	-680.4	260.2	193.8	66.47	3.915		
9,300.0	7,566.0	9,181.6	7,435.0	40.2	41.0	59.77	-2,033.1	-680.4	260.2	190.9	69.33	3.754		
9,400.0	7,566.0	9,281.6	7,435.0	41.8	42.6	59.77	-2,133.1	-680.4	260.2	188.0	72.20	3.604		
9,500.0	7,566.0	9,381.6	7,435.0	43.5	44.2	59.77	-2,233.1	-680.4	260.2	185.1	75.08	3.466		
9,600.0	7,566.0	9,481.6	7,435.0	45.1	45.9	59.77	-2,333.1	-680.4	260.2	182.2	77.98	3.337		
9,700.0	7,566.0	9,581.6	7,435.0	46.8	47.5	59.77	-2,433.1	-680.4	260.2	179.3	80.89	3.217		
9,800.0	7,566.0	9,681.6	7,435.0	48.5	49.1	59.77	-2,533.1	-680.4	260.2	176.4	83.80	3.105		
9,900.0	7,566.0	9,781.6	7,435.0	50.1	50.8	59.77	-2,633.1	-680.4	260.2	173.5	86.73	3.001		
10,000.0	7,566.0	9,881.6	7,435.0	51.8	52.4	59.77	-2,733.1	-680.4	260.2	170.6	89.66	2.902		
10,100.0	7,566.0	9,981.6	7,435.0	53.5	54.1	59.77	-2,833.1	-680.4	260.2	167.6	92.60	2.810		
10,200.0	7,566.0	10,081.6	7,435.0	55.2	55.8	59.77	-2,933.1	-680.4	260.2	164.7	95.54	2.724		
10,300.0	7,566.0	10,181.6	7,435.0	56.9	57.4	59.77	-3,033.1	-680.4	260.2	161.7	98.49	2.642		
10,400.0	7,566.0	10,281.6	7,435.0	58.6	59.1	59.77	-3,133.1	-680.4	260.2	158.8	101.45	2.565		
10,500.0	7,566.0	10,381.6	7,435.0	60.3	60.8	59.77	-3,233.1	-680.4	260.2	155.8	104.41	2.492		
10,600.0	7,566.0	10,481.6	7,435.0	62.0	62.5	59.77	-3,333.1	-680.4	260.2	152.9	107.38	2.424		
10,700.0	7,566.0	10,581.6	7,435.0	63.7	64.2	59.77	-3,433.1	-680.4	260.2	149.9	110.34	2.358		
10,800.0	7,566.0	10,681.6	7,435.0	65.4	65.9	59.77	-3,533.1	-680.4	260.2	146.9	113.32	2.296		
10,900.0	7,566.0	10,781.6	7,435.0	67.1	67.6	59.77	-3,633.1	-680.4	260.2	143.9	116.29	2.238		
11,000.0	7,566.0	10,881.6	7,435.0	68.8	69.3	59.77	-3,733.1	-680.4	260.2	141.0	119.27	2.182		
11,100.0	7,566.0	10,981.6	7,435.0	70.5	71.0	59.77	-3,833.1	-680.4	260.2	138.0	122.25	2.129		
11,200.0	7,566.0	11,081.6	7,435.0	72.2	72.7	59.77	-3,933.1	-680.4	260.2	135.0	125.24	2.078		
11,300.0	7,566.0	11,181.6	7,435.0	73.9	74.4	59.77	-4,033.1	-680.4	260.2	132.0	128.22	2.030		
11,400.0	7,566.0	11,281.6	7,435.0	75.7	76.1	59.77	-4,133.1	-680.4	260.2	129.0	131.21	1.983		
11,500.0	7,566.0	11,381.6	7,435.0	77.4	77.8	59.77	-4,233.1	-680.4	260.2	126.0	134.20	1.939		
11,600.0	7,566.0	11,481.6	7,435.0	79.1	79.5	59.77	-4,333.1	-680.4	260.2	123.0	137.20	1.897		
11,700.0	7,566.0	11,581.6	7,435.0	80.8	81.2	59.77	-4,433.1	-680.4	260.2	120.0	140.19	1.856		
11,800.0	7,566.0	11,681.6	7,435.0	82.5	82.9	59.77	-4,533.1	-680.4	260.2	117.0	143.19	1.817		
11,900.0	7,566.0	11,781.6	7,435.0	84.3	84.7	59.77	-4,633.1	-680.4	260.2	114.0	146.19	1.780		
12,000.0	7,566.0	11,881.6	7,435.0	86.0	86.4	59.77	-4,733.1	-680.4	260.2	111.0	149.19	1.744		
12,069.2	7,566.0	11,950.8	7,435.0	87.2	87.6	59.77	-4,802.3	-680.4	260.2	109.0	151.27	1.720 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1C-19H-B2689 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	87.87	0.4	9.8	9.8						
100.0	100.0	100.0	100.0	0.2	0.2	87.87	0.4	9.8	9.8	9.5	0.30	32.248			
200.0	200.0	200.0	200.0	0.3	0.3	87.87	0.4	9.8	9.8	9.1	0.65	15.003			
300.0	300.0	300.0	300.0	0.5	0.5	87.87	0.4	9.8	9.8	8.8	1.00	9.776 CC, ES			
400.0	400.0	400.0	400.0	0.7	0.7	178.91	0.4	9.8	11.5	10.2	1.35	8.545			
481.7	481.6	482.0	482.0	0.8	0.8	179.07	0.4	8.6	14.4	12.7	1.63	8.800			
500.0	499.8	500.4	500.4	0.9	0.9	179.07	0.4	8.0	15.0	13.3	1.70	8.808			
600.0	599.6	600.7	600.5	1.1	1.0	178.93	0.4	3.1	16.4	14.4	2.05	8.013			
700.0	699.4	700.7	700.4	1.3	1.2	178.75	0.3	-2.3	17.4	15.0	2.40	7.236			
800.0	799.2	800.7	800.2	1.5	1.4	178.60	0.3	-7.7	18.3	15.5	2.75	6.658			
900.0	899.0	900.7	900.1	1.7	1.6	178.45	0.3	-13.1	19.2	16.1	3.10	6.209			
1,000.0	998.8	1,000.7	999.9	1.9	1.8	178.32	0.3	-18.5	20.2	16.7	3.45	5.852			
1,100.0	1,098.6	1,100.6	1,099.8	2.1	2.0	178.21	0.3	-23.9	21.1	17.3	3.80	5.561			
1,200.0	1,198.4	1,200.6	1,199.6	2.3	2.2	178.10	0.3	-29.3	22.0	17.9	4.14	5.318			
1,300.0	1,298.2	1,300.6	1,299.5	2.5	2.4	178.00	0.3	-34.7	23.0	18.5	4.49	5.114			
1,400.0	1,398.0	1,400.6	1,399.3	2.7	2.6	177.91	0.3	-40.1	23.9	19.1	4.84	4.939			
1,500.0	1,497.8	1,500.6	1,499.2	2.9	2.8	177.82	0.3	-45.5	24.9	19.7	5.19	4.787			
1,600.0	1,597.6	1,600.6	1,599.0	3.1	3.0	177.74	0.3	-50.9	25.8	20.3	5.54	4.655			
1,700.0	1,697.4	1,700.6	1,698.9	3.3	3.2	177.67	0.3	-56.3	26.7	20.8	5.89	4.538			
1,800.0	1,797.2	1,800.6	1,798.7	3.5	3.4	177.60	0.2	-61.7	27.7	21.4	6.24	4.434			
1,900.0	1,897.0	1,900.6	1,898.6	3.7	3.6	177.54	0.2	-67.1	28.6	22.0	6.59	4.341			
2,000.0	1,996.8	2,000.6	1,998.4	3.9	3.8	177.48	0.2	-72.5	29.6	22.6	6.94	4.258			
2,100.0	2,096.6	2,100.6	2,098.3	4.1	4.0	177.42	0.2	-77.9	30.5	23.2	7.29	4.183			
2,200.0	2,196.4	2,200.6	2,198.1	4.3	4.2	177.37	0.2	-83.3	31.4	23.8	7.64	4.114			
2,300.0	2,296.2	2,300.6	2,298.0	4.5	4.4	177.32	0.2	-88.7	32.4	24.4	7.99	4.052			
2,400.0	2,396.0	2,400.6	2,397.8	4.7	4.6	177.28	0.2	-94.1	33.3	25.0	8.34	3.995			
2,500.0	2,495.8	2,500.6	2,497.7	5.0	4.8	177.23	0.2	-99.5	34.2	25.6	8.69	3.942			
2,600.0	2,595.6	2,600.6	2,597.5	5.2	5.0	177.19	0.2	-104.9	35.2	26.1	9.04	3.893			
2,700.0	2,695.4	2,700.6	2,697.4	5.4	5.2	177.15	0.2	-110.3	36.1	26.7	9.39	3.848			
2,800.0	2,795.2	2,800.6	2,797.2	5.6	5.4	177.11	0.1	-115.7	37.1	27.3	9.74	3.807			
2,900.0	2,895.0	2,900.6	2,897.1	5.8	5.6	177.08	0.1	-121.1	38.0	27.9	10.09	3.768			
3,000.0	2,994.8	3,000.6	2,996.9	6.0	5.7	177.04	0.1	-126.5	38.9	28.5	10.43	3.732			
3,100.0	3,094.6	3,100.6	3,096.8	6.2	5.9	177.01	0.1	-131.9	39.9	29.1	10.78	3.698			
3,200.0	3,194.4	3,200.6	3,196.6	6.4	6.1	176.98	0.1	-137.3	40.8	29.7	11.13	3.666			
3,300.0	3,294.2	3,300.6	3,296.5	6.6	6.3	176.95	0.1	-142.7	41.8	30.3	11.48	3.636			
3,400.0	3,394.0	3,400.5	3,396.3	6.8	6.5	176.92	0.1	-148.2	42.7	30.9	11.83	3.608			
3,500.0	3,493.8	3,500.5	3,496.2	7.0	6.7	176.90	0.1	-153.6	43.6	31.5	12.18	3.582			
3,600.0	3,593.6	3,600.5	3,596.0	7.2	6.9	176.87	0.1	-159.0	44.6	32.0	12.53	3.557			
3,700.0	3,693.4	3,700.5	3,695.9	7.4	7.1	176.84	0.1	-164.4	45.5	32.6	12.88	3.533			
3,800.0	3,793.2	3,800.5	3,795.7	7.6	7.3	176.82	0.1	-169.8	46.5	33.2	13.23	3.511			
3,900.0	3,893.0	3,900.5	3,895.6	7.8	7.5	176.80	0.0	-175.2	47.4	33.8	13.58	3.490			
4,000.0	3,992.8	4,000.5	3,995.4	8.1	7.7	176.78	0.0	-180.6	48.3	34.4	13.93	3.469			
4,100.0	4,092.6	4,100.5	4,095.3	8.3	7.9	176.75	0.0	-186.0	49.3	35.0	14.28	3.450			
4,200.0	4,192.4	4,200.5	4,195.1	8.5	8.1	176.73	0.0	-191.4	50.2	35.6	14.63	3.432			
4,300.0	4,292.2	4,300.5	4,295.0	8.7	8.3	176.72	0.0	-196.8	51.1	36.2	14.98	3.415			
4,400.0	4,392.0	4,400.5	4,394.8	8.9	8.5	176.70	0.0	-202.2	52.1	36.8	15.33	3.398			
4,500.0	4,491.8	4,500.5	4,494.7	9.1	8.7	176.68	0.0	-207.6	53.0	37.3	15.68	3.382			
4,600.0	4,591.6	4,600.5	4,594.5	9.3	8.9	176.66	0.0	-213.0	54.0	37.9	16.03	3.367			
4,700.0	4,691.4	4,700.5	4,694.4	9.5	9.1	176.64	0.0	-218.4	54.9	38.5	16.38	3.352			
4,800.0	4,791.2	4,800.5	4,794.2	9.7	9.3	176.63	0.0	-223.8	55.8	39.1	16.73	3.338			
4,900.0	4,891.0	4,900.5	4,894.1	9.9	9.5	176.61	0.0	-229.2	56.8	39.7	17.08	3.325			
5,000.0	4,990.8	5,000.5	4,993.9	10.1	9.7	176.60	-0.1	-234.6	57.7	40.3	17.43	3.312			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1C-19H-B2689 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	5,090.6	5,100.5	5,093.8	10.3	9.9	176.58	-0.1	-240.0	58.7	40.9	17.78	3.300		
5,200.0	5,190.4	5,200.5	5,193.6	10.5	10.1	176.57	-0.1	-245.4	59.6	41.5	18.12	3.288		
5,300.0	5,290.2	5,300.5	5,293.5	10.7	10.3	176.55	-0.1	-250.8	60.5	42.1	18.47	3.277		
5,400.0	5,390.0	5,400.5	5,393.3	10.9	10.5	176.54	-0.1	-256.2	61.5	42.7	18.82	3.266		
5,500.0	5,489.8	5,500.5	5,493.2	11.2	10.7	176.53	-0.1	-261.6	62.4	43.2	19.17	3.255		
5,600.0	5,589.6	5,600.4	5,593.0	11.4	10.9	176.51	-0.1	-267.0	63.4	43.8	19.52	3.245		
5,700.0	5,689.4	5,700.4	5,692.9	11.6	11.1	176.50	-0.1	-272.4	64.3	44.4	19.87	3.235		
5,800.0	5,789.2	5,800.4	5,792.7	11.8	11.3	176.49	-0.1	-277.8	65.2	45.0	20.22	3.226		
5,900.0	5,889.0	5,900.4	5,892.6	12.0	11.5	176.48	-0.1	-283.2	66.2	45.6	20.57	3.217		
6,000.0	5,988.8	6,000.4	5,992.4	12.2	11.7	176.47	-0.1	-288.6	67.1	46.2	20.92	3.208		
6,100.0	6,088.6	6,100.4	6,092.3	12.4	11.9	176.46	-0.2	-294.0	68.0	46.8	21.27	3.199		
6,200.0	6,188.4	6,200.4	6,192.1	12.6	12.1	176.44	-0.2	-299.4	69.0	47.4	21.62	3.191		
6,300.0	6,288.2	6,300.4	6,291.9	12.8	12.3	176.43	-0.2	-304.8	69.9	48.0	21.97	3.183		
6,400.0	6,388.0	6,400.4	6,391.8	13.0	12.5	176.42	-0.2	-310.2	70.9	48.5	22.32	3.175		
6,500.0	6,487.8	6,500.4	6,491.6	13.2	12.7	176.41	-0.2	-315.6	71.8	49.1	22.67	3.167		
6,600.0	6,587.6	6,600.4	6,591.5	13.4	12.9	176.40	-0.2	-321.0	72.7	49.7	23.02	3.160		
6,700.0	6,687.4	6,700.6	6,691.4	13.6	13.1	178.88	-3.4	-326.4	73.6	50.2	23.35	3.151		
6,800.0	6,787.2	6,798.3	6,787.7	13.8	13.3	-169.14	-19.2	-331.2	76.1	52.3	23.86	3.190		
6,864.9	6,851.9	6,858.7	6,845.8	14.0	13.4	-157.92	-35.5	-333.9	82.1	57.5	24.56	3.341		
6,900.0	6,887.0	6,890.5	6,875.7	14.0	13.5	-114.26	-46.0	-335.2	87.3	62.2	25.06	3.483		
6,950.0	6,936.7	6,934.9	6,916.8	14.1	13.6	-82.83	-63.0	-337.0	96.2	70.5	25.76	3.735		
7,000.0	6,986.0	6,978.7	6,956.1	14.3	13.7	-67.31	-82.1	-338.6	106.3	80.0	26.35	4.036		
7,050.0	7,034.6	7,021.7	6,993.6	14.4	13.8	-57.63	-103.2	-340.1	117.1	90.3	26.79	4.372		
7,100.0	7,082.3	7,064.2	7,029.2	14.5	14.0	-50.85	-126.2	-341.4	128.3	101.2	27.09	4.736		
7,150.0	7,129.0	7,106.1	7,063.0	14.6	14.1	-45.78	-150.9	-342.6	139.5	112.3	27.24	5.121		
7,200.0	7,174.2	7,150.0	7,096.8	14.7	14.3	-41.74	-178.9	-343.7	150.6	123.3	27.29	5.521		
7,250.0	7,217.9	7,188.3	7,124.9	14.9	14.5	-38.75	-205.0	-344.5	161.5	134.3	27.19	5.938		
7,300.0	7,259.8	7,228.8	7,152.9	15.1	14.7	-36.24	-234.1	-345.3	172.0	144.9	27.02	6.365		
7,350.0	7,299.7	7,268.8	7,179.1	15.3	15.0	-34.19	-264.5	-345.9	182.0	155.3	26.76	6.801		
7,400.0	7,337.5	7,308.5	7,203.3	15.5	15.2	-32.51	-295.9	-346.4	191.6	165.1	26.44	7.246		
7,450.0	7,372.8	7,350.0	7,226.6	15.8	15.5	-31.09	-330.2	-346.8	200.5	174.5	26.07	7.694		
7,500.0	7,405.6	7,387.0	7,245.8	16.0	15.8	-29.98	-361.9	-347.0	208.9	183.2	25.64	8.147		
7,550.0	7,435.8	7,425.9	7,264.1	16.4	16.1	-29.04	-396.1	-347.1	216.6	191.4	25.19	8.597		
7,600.0	7,463.0	7,464.5	7,280.5	16.7	16.5	-28.27	-431.1	-347.0	223.6	198.9	24.73	9.040		
7,650.0	7,487.3	7,500.0	7,293.8	17.1	16.8	-27.67	-464.0	-346.9	229.9	205.7	24.27	9.476		
7,700.0	7,508.5	7,541.2	7,307.2	17.6	17.2	-27.18	-502.9	-346.6	235.5	211.6	23.85	9.875		
7,750.0	7,526.5	7,579.3	7,317.7	18.0	17.6	-26.82	-539.6	-346.2	240.3	216.9	23.45	10.250		
7,800.0	7,541.2	7,617.3	7,326.1	18.5	18.0	-26.57	-576.6	-345.7	244.4	221.3	23.10	10.581		
7,850.0	7,552.5	7,650.0	7,331.8	19.1	18.4	-26.42	-608.8	-345.2	247.7	224.9	22.78	10.877		
7,900.0	7,560.5	7,693.0	7,337.0	19.6	18.9	-26.38	-651.5	-344.3	250.1	227.5	22.61	11.066		
7,950.0	7,564.9	7,730.8	7,339.5	20.2	19.4	-26.43	-689.2	-343.5	251.9	229.4	22.49	11.198		
7,989.2	7,566.0	7,761.0	7,340.0	20.7	19.7	-26.54	-719.3	-342.7	252.6	230.2	22.47	11.242		
8,000.0	7,566.0	7,771.8	7,340.0	20.8	19.9	-26.60	-730.1	-342.4	252.8	230.1	22.63	11.171		
8,100.0	7,566.0	7,871.7	7,340.0	22.1	21.2	-27.12	-830.1	-339.8	253.9	229.8	24.10	10.538		
8,200.0	7,566.0	7,971.7	7,340.0	23.4	22.5	-27.65	-930.0	-337.2	255.1	229.5	25.65	9.947		
8,300.0	7,566.0	8,071.7	7,340.0	24.8	23.9	-28.17	-1,029.9	-334.6	256.4	229.1	27.28	9.398		
8,400.0	7,566.0	8,171.6	7,340.0	26.2	25.4	-28.68	-1,129.9	-332.0	257.6	228.6	28.98	8.889		
8,500.0	7,566.0	8,271.6	7,340.0	27.7	26.9	-29.19	-1,229.8	-329.3	258.9	228.1	30.76	8.417		
8,600.0	7,566.0	8,371.6	7,340.0	29.2	28.4	-29.69	-1,329.7	-326.7	260.2	227.6	32.60	7.981		
8,700.0	7,566.0	8,471.5	7,340.0	30.7	29.9	-30.19	-1,429.6	-324.1	261.5	227.0	34.51	7.578		
8,800.0	7,566.0	8,571.5	7,340.0	32.2	31.5	-30.68	-1,529.6	-321.5	262.8	226.3	36.47	7.205		
8,900.0	7,566.0	8,671.5	7,340.0	33.8	33.1	-31.17	-1,629.5	-318.9	264.2	225.7	38.50	6.861		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1C-19H-B2689 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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)				
9,000.0	7,566.0	8,771.4	7,340.0	35.4	34.7	-31.65	-1,729.4	-316.3	265.5	224.9	40.59	6.542		
9,100.0	7,566.0	8,871.4	7,340.0	37.0	36.3	-32.13	-1,829.4	-313.6	266.9	224.2	42.73	6.247		
9,200.0	7,566.0	8,971.4	7,340.0	38.6	37.9	-32.60	-1,929.3	-311.0	268.3	223.4	44.92	5.973		
9,300.0	7,566.0	9,071.3	7,340.0	40.2	39.6	-33.07	-2,029.2	-308.4	269.7	222.6	47.16	5.720		
9,400.0	7,566.0	9,171.3	7,340.0	41.8	41.2	-33.54	-2,129.2	-305.8	271.2	221.7	49.45	5.484		
9,500.0	7,566.0	9,271.3	7,340.0	43.5	42.9	-33.99	-2,229.1	-303.2	272.6	220.8	51.78	5.264		
9,600.0	7,566.0	9,371.2	7,340.0	45.1	44.6	-34.45	-2,329.0	-300.6	274.1	219.9	54.17	5.060		
9,700.0	7,566.0	9,471.2	7,340.0	46.8	46.2	-34.90	-2,429.0	-297.9	275.6	219.0	56.59	4.870		
9,800.0	7,566.0	9,571.1	7,340.0	48.5	47.9	-35.34	-2,528.9	-295.3	277.1	218.0	59.06	4.692		
9,900.0	7,566.0	9,671.1	7,340.0	50.1	49.6	-35.78	-2,628.8	-292.7	278.6	217.0	61.57	4.525		
10,000.0	7,566.0	9,771.1	7,340.0	51.8	51.3	-36.21	-2,728.8	-290.1	280.1	216.0	64.11	4.370		
10,100.0	7,566.0	9,871.0	7,340.0	53.5	53.0	-36.64	-2,828.7	-287.5	281.7	215.0	66.70	4.224		
10,200.0	7,566.0	9,971.0	7,340.0	55.2	54.7	-37.07	-2,928.6	-284.9	283.3	214.0	69.32	4.087		
10,300.0	7,566.0	10,071.0	7,340.0	56.9	56.4	-37.49	-3,028.6	-282.2	284.9	212.9	71.97	3.958		
10,400.0	7,566.0	10,172.0	7,340.0	58.6	58.1	-37.89	-3,129.5	-279.7	286.4	211.7	74.65	3.836		
10,500.0	7,566.0	10,274.1	7,340.0	60.3	59.8	-38.09	-3,231.6	-278.4	287.2	210.1	77.09	3.725		
10,600.0	7,566.0	10,374.1	7,340.0	62.0	61.5	-38.22	-3,331.6	-277.6	287.7	208.3	79.42	3.622		
10,700.0	7,566.0	10,474.1	7,340.0	63.7	63.2	-38.35	-3,431.6	-276.8	288.2	206.4	81.76	3.525		
10,800.0	7,566.0	10,574.1	7,340.0	65.4	65.0	-38.48	-3,531.6	-275.9	288.7	204.6	84.12	3.432		
10,900.0	7,566.0	10,674.1	7,340.0	67.1	66.7	-38.61	-3,631.6	-275.1	289.2	202.7	86.49	3.344		
11,000.0	7,566.0	10,774.1	7,340.0	68.8	68.4	-38.74	-3,731.6	-274.3	289.7	200.9	88.87	3.260		
11,100.0	7,566.0	10,874.1	7,340.0	70.5	70.1	-38.87	-3,831.6	-273.4	290.3	199.0	91.27	3.180		
11,200.0	7,566.0	10,974.1	7,340.0	72.2	71.8	-38.99	-3,931.6	-272.6	290.8	197.1	93.67	3.104		
11,300.0	7,566.0	11,074.1	7,340.0	73.9	73.6	-39.12	-4,031.6	-271.8	291.3	195.2	96.10	3.031		
11,400.0	7,566.0	11,174.1	7,340.0	75.7	75.3	-39.25	-4,131.6	-271.0	291.8	193.3	98.53	2.962		
11,500.0	7,566.0	11,274.1	7,340.0	77.4	77.0	-39.37	-4,231.6	-270.1	292.4	191.4	100.97	2.895		
11,600.0	7,566.0	11,374.0	7,340.0	79.1	78.7	-39.50	-4,331.5	-269.3	292.9	189.5	103.43	2.832		
11,700.0	7,566.0	11,474.0	7,340.0	80.8	80.5	-39.62	-4,431.5	-268.5	293.4	187.5	105.90	2.771		
11,800.0	7,566.0	11,574.0	7,340.0	82.5	82.2	-39.75	-4,531.5	-267.6	293.9	185.6	108.38	2.712		
11,900.0	7,566.0	11,674.0	7,340.0	84.3	83.9	-39.87	-4,631.5	-266.8	294.5	183.6	110.87	2.656		
12,000.0	7,566.0	11,774.0	7,340.0	86.0	85.7	-40.00	-4,731.5	-266.0	295.0	181.6	113.38	2.602		
12,069.2	7,566.0	11,840.8	7,340.0	87.2	86.8	-40.08	-4,798.3	-265.4	295.4	180.3	115.08	2.567 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1D-19H-B2688 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (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	87.91	0.7	19.9	19.9					
100.0	100.0	100.0	100.0	0.2	0.2	87.91	0.7	19.9	19.9	19.6	0.30	65.416		
200.0	200.0	200.0	200.0	0.3	0.3	87.91	0.7	19.9	19.9	19.2	0.65	30.434		
300.0	300.0	300.0	300.0	0.5	0.5	87.91	0.7	19.9	19.9	18.9	1.00	19.830	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	178.86	0.7	19.9	21.6	20.3	1.35	16.004		
481.7	481.6	481.6	481.6	0.8	0.8	179.04	0.7	19.9	25.6	24.0	1.63	15.682		
500.0	499.8	499.8	499.8	0.9	0.8	179.08	0.7	19.9	26.8	25.1	1.70	15.776		
600.0	599.6	599.8	599.8	1.1	1.0	179.20	0.7	19.5	32.8	30.7	2.05	16.015		
700.0	699.4	699.6	699.6	1.3	1.2	179.28	0.8	19.1	38.8	36.4	2.40	16.178		
800.0	799.2	799.4	799.4	1.5	1.4	179.33	0.8	18.8	44.7	42.0	2.74	16.300		
900.0	899.0	899.2	899.2	1.7	1.5	179.38	0.8	18.4	50.7	47.6	3.09	16.395		
1,000.0	998.8	999.0	999.0	1.9	1.7	179.41	0.8	18.1	56.7	53.2	3.44	16.470		
1,100.0	1,098.6	1,098.9	1,098.9	2.1	1.9	179.44	0.9	17.7	62.7	58.9	3.79	16.531		
1,200.0	1,198.4	1,198.7	1,198.7	2.3	2.1	179.46	0.9	17.3	68.6	64.5	4.14	16.582		
1,300.0	1,298.2	1,298.5	1,298.5	2.5	2.2	179.48	0.9	17.0	74.6	70.1	4.49	16.626		
1,400.0	1,398.0	1,398.3	1,398.3	2.7	2.4	179.50	0.9	16.6	80.6	75.7	4.84	16.663		
1,500.0	1,497.8	1,498.2	1,498.1	2.9	2.6	179.51	1.0	16.2	86.6	81.4	5.18	16.695		
1,600.0	1,597.6	1,598.0	1,598.0	3.1	2.8	179.53	1.0	15.9	92.5	87.0	5.53	16.723		
1,700.0	1,697.4	1,697.8	1,697.8	3.3	2.9	179.54	1.0	15.5	98.5	92.6	5.88	16.747		
1,800.0	1,797.2	1,797.6	1,797.6	3.5	3.1	179.55	1.0	15.2	104.5	98.3	6.23	16.769		
1,900.0	1,897.0	1,897.4	1,897.4	3.7	3.3	179.56	1.1	14.8	110.5	103.9	6.58	16.789		
2,000.0	1,996.8	1,997.3	1,997.2	3.9	3.5	179.56	1.1	14.4	116.4	109.5	6.93	16.806		
2,100.0	2,096.6	2,097.1	2,097.1	4.1	3.6	179.57	1.1	14.1	122.4	115.1	7.28	16.822		
2,200.0	2,196.4	2,196.9	2,196.9	4.3	3.8	179.58	1.1	13.7	128.4	120.8	7.63	16.837		
2,300.0	2,296.2	2,296.7	2,296.7	4.5	4.0	179.58	1.2	13.3	134.4	126.4	7.97	16.850		
2,400.0	2,396.0	2,396.5	2,396.5	4.7	4.2	179.59	1.2	13.0	140.3	132.0	8.32	16.862		
2,500.0	2,495.8	2,496.4	2,496.4	5.0	4.3	179.59	1.2	12.6	146.3	137.6	8.67	16.873		
2,600.0	2,595.6	2,596.2	2,596.2	5.2	4.5	179.60	1.2	12.3	152.3	143.3	9.02	16.883		
2,700.0	2,695.4	2,696.0	2,696.0	5.4	4.7	179.60	1.3	11.9	158.3	148.9	9.37	16.893		
2,800.0	2,795.2	2,795.8	2,795.8	5.6	4.9	179.61	1.3	11.5	164.2	154.5	9.72	16.902		
2,900.0	2,895.0	2,895.7	2,895.6	5.8	5.0	179.61	1.3	11.2	170.2	160.1	10.07	16.910		
3,000.0	2,994.8	2,995.5	2,995.5	6.0	5.2	179.61	1.3	10.8	176.2	165.8	10.41	16.918		
3,100.0	3,094.6	3,095.3	3,095.3	6.2	5.4	179.62	1.4	10.4	182.2	171.4	10.76	16.925		
3,200.0	3,194.4	3,195.1	3,195.1	6.4	5.6	179.62	1.4	10.1	188.1	177.0	11.11	16.932		
3,300.0	3,294.2	3,294.9	3,294.9	6.6	5.7	179.62	1.4	9.7	194.1	182.7	11.46	16.938		
3,400.0	3,394.0	3,394.8	3,394.7	6.8	5.9	179.62	1.4	9.4	200.1	188.3	11.81	16.944		
3,500.0	3,493.8	3,494.6	3,494.6	7.0	6.1	179.63	1.5	9.0	206.1	193.9	12.16	16.949		
3,600.0	3,593.6	3,594.4	3,594.4	7.2	6.3	179.63	1.5	8.6	212.0	199.5	12.51	16.955		
3,700.0	3,693.4	3,694.2	3,694.2	7.4	6.4	179.63	1.5	8.3	218.0	205.2	12.85	16.960		
3,800.0	3,793.2	3,794.0	3,794.0	7.6	6.6	179.63	1.5	7.9	224.0	210.8	13.20	16.964		
3,900.0	3,893.0	3,893.9	3,893.8	7.8	6.8	179.64	1.6	7.5	230.0	216.4	13.55	16.969		
4,000.0	3,992.8	3,993.7	3,993.7	8.1	7.0	179.64	1.6	7.2	235.9	222.0	13.90	16.973		
4,100.0	4,092.6	4,093.5	4,093.5	8.3	7.1	179.64	1.6	6.8	241.9	227.7	14.25	16.977		
4,200.0	4,192.4	4,193.3	4,193.3	8.5	7.3	179.64	1.6	6.5	247.9	233.3	14.60	16.981		
4,300.0	4,292.2	4,293.1	4,293.1	8.7	7.5	179.64	1.7	6.1	253.9	238.9	14.95	16.985		
4,400.0	4,392.0	4,393.0	4,392.9	8.9	7.6	179.64	1.7	5.7	259.8	244.5	15.30	16.988		
4,500.0	4,491.8	4,492.8	4,492.8	9.1	7.8	179.65	1.7	5.4	265.8	250.2	15.64	16.992		
4,600.0	4,591.6	4,592.6	4,592.6	9.3	8.0	179.65	1.7	5.0	271.8	255.8	15.99	16.995		
4,700.0	4,691.4	4,692.4	4,692.4	9.5	8.2	179.65	1.8	4.6	277.8	261.4	16.34	16.998		
4,800.0	4,791.2	4,792.3	4,792.2	9.7	8.3	179.65	1.8	4.3	283.7	267.1	16.69	17.001		
4,900.0	4,891.0	4,892.1	4,892.0	9.9	8.5	179.65	1.8	3.9	289.7	272.7	17.04	17.004		
5,000.0	4,990.8	4,991.9	4,991.9	10.1	8.7	179.65	1.8	3.6	295.7	278.3	17.39	17.006		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1D-19H-B2688 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	5,090.6	5,091.7	5,091.7	10.3	8.9	179.65	1.9	3.2	301.7	283.9	17.74	17.009		
5,200.0	5,190.4	5,191.5	5,191.5	10.5	9.0	179.65	1.9	2.8	307.6	289.6	18.08	17.012		
5,300.0	5,290.2	5,291.4	5,291.3	10.7	9.2	179.66	1.9	2.5	313.6	295.2	18.43	17.014		
5,400.0	5,390.0	5,391.2	5,391.2	10.9	9.4	179.66	1.9	2.1	319.6	300.8	18.78	17.016		
5,500.0	5,489.8	5,491.0	5,491.0	11.2	9.6	179.66	2.0	1.7	325.6	306.4	19.13	17.019		
5,600.0	5,589.6	5,590.8	5,590.8	11.4	9.7	179.66	2.0	1.4	331.5	312.1	19.48	17.021		
5,700.0	5,689.4	5,690.6	5,690.6	11.6	9.9	179.66	2.0	1.0	337.5	317.7	19.83	17.023		
5,800.0	5,789.2	5,790.5	5,790.4	11.8	10.1	179.66	2.0	0.7	343.5	323.3	20.18	17.025		
5,900.0	5,889.0	5,890.3	5,890.3	12.0	10.3	179.66	2.1	0.3	349.5	328.9	20.52	17.027		
6,000.0	5,988.8	5,990.1	5,990.1	12.2	10.4	179.66	2.1	-0.1	355.4	334.6	20.87	17.029		
6,100.0	6,088.6	6,089.9	6,089.9	12.4	10.6	179.66	2.1	-0.4	361.4	340.2	21.22	17.030		
6,200.0	6,188.4	6,189.8	6,189.7	12.6	10.8	179.66	2.1	-0.8	367.4	345.8	21.57	17.032		
6,300.0	6,288.2	6,289.6	6,289.5	12.8	11.0	179.66	2.2	-1.2	373.4	351.5	21.92	17.034		
6,400.0	6,388.0	6,389.4	6,389.4	13.0	11.1	179.66	2.2	-1.5	379.3	357.1	22.27	17.036		
6,500.0	6,487.8	6,489.2	6,489.2	13.2	11.3	179.67	2.2	-1.9	385.3	362.7	22.62	17.037		
6,600.0	6,587.6	6,589.0	6,589.0	13.4	11.5	179.67	2.2	-2.2	391.3	368.3	22.97	17.039		
6,700.0	6,687.4	6,688.9	6,688.8	13.6	11.7	179.67	2.3	-2.6	397.3	374.0	23.31	17.040		
6,800.0	6,787.2	6,789.3	6,789.1	13.8	11.8	-179.84	-1.2	-3.0	403.2	379.5	23.66	17.038		
6,864.9	6,851.9	6,853.4	6,852.6	14.0	11.9	-178.55	-10.3	-3.2	407.1	383.2	23.89	17.037		
6,900.0	6,887.0	6,887.5	6,885.9	14.0	12.0	-140.13	-17.5	-3.3	409.3	385.3	24.02	17.037		
6,950.0	6,936.7	6,935.6	6,932.2	14.1	12.1	-114.84	-30.3	-3.5	412.6	388.4	24.22	17.035		
7,000.0	6,986.0	6,983.0	6,977.0	14.3	12.2	-104.04	-45.9	-3.7	416.1	391.6	24.44	17.026		
7,050.0	7,034.6	7,030.0	7,020.3	14.4	12.3	-97.93	-64.3	-3.8	419.7	395.0	24.68	17.005		
7,100.0	7,082.3	7,076.4	7,061.7	14.5	12.5	-93.80	-85.2	-4.0	423.4	398.4	24.95	16.968		
7,150.0	7,129.0	7,122.4	7,101.4	14.6	12.6	-90.69	-108.5	-4.1	427.1	401.9	25.26	16.912		
7,200.0	7,174.2	7,168.0	7,139.1	14.7	12.8	-88.19	-134.0	-4.2	430.9	405.3	25.60	16.834		
7,250.0	7,217.9	7,213.2	7,174.8	14.9	13.0	-86.08	-161.6	-4.4	434.7	408.7	25.98	16.732		
7,300.0	7,259.8	7,257.9	7,208.4	15.1	13.2	-84.27	-191.2	-4.5	438.4	412.0	26.40	16.606		
7,350.0	7,299.7	7,300.0	7,238.2	15.3	13.4	-82.72	-220.8	-4.6	442.0	415.2	26.85	16.464		
7,400.0	7,337.5	7,346.5	7,269.1	15.5	13.7	-81.28	-255.6	-4.7	445.5	418.1	27.37	16.277		
7,450.0	7,372.8	7,390.3	7,296.1	15.8	14.0	-80.04	-290.1	-4.8	448.9	420.9	27.92	16.074		
7,500.0	7,405.6	7,433.9	7,320.8	16.0	14.3	-78.93	-326.0	-4.9	452.0	423.5	28.52	15.848		
7,550.0	7,435.8	7,477.2	7,343.2	16.4	14.7	-77.95	-363.0	-5.0	455.0	425.8	29.17	15.600		
7,600.0	7,463.0	7,520.3	7,363.1	16.7	15.1	-77.08	-401.2	-5.1	457.7	427.9	29.85	15.333		
7,650.0	7,487.3	7,563.2	7,380.7	17.1	15.5	-76.32	-440.4	-5.1	460.2	429.6	30.59	15.047		
7,700.0	7,508.5	7,605.9	7,395.8	17.6	15.9	-75.67	-480.3	-5.2	462.4	431.1	31.36	14.746		
7,750.0	7,526.5	7,650.0	7,408.9	18.0	16.4	-75.10	-522.4	-5.2	464.3	432.1	32.19	14.423		
7,800.0	7,541.2	7,691.0	7,418.7	18.5	16.9	-74.66	-562.2	-5.3	465.9	432.9	33.04	14.101		
7,850.0	7,552.5	7,733.3	7,426.5	19.1	17.4	-74.29	-603.8	-5.3	467.2	433.3	33.95	13.764		
7,900.0	7,560.5	7,775.6	7,431.8	19.6	17.9	-74.03	-645.8	-5.3	468.1	433.3	34.89	13.419		
7,950.0	7,564.9	7,817.8	7,434.5	20.2	18.5	-73.85	-687.9	-5.3	468.7	432.9	35.86	13.070		
7,989.2	7,566.0	7,852.2	7,435.0	20.7	18.9	-73.78	-722.3	-5.3	468.9	432.3	36.67	12.788		
8,000.0	7,566.0	7,863.0	7,435.0	20.8	19.1	-73.78	-733.1	-5.3	468.9	432.0	36.95	12.692		
8,100.0	7,566.0	7,963.0	7,435.0	22.1	20.4	-73.78	-833.1	-5.3	468.9	429.4	39.58	11.849		
8,200.0	7,566.0	8,063.0	7,435.0	23.4	21.9	-73.78	-933.1	-5.3	468.9	426.6	42.31	11.084		
8,300.0	7,566.0	8,163.0	7,435.0	24.8	23.3	-73.78	-1,033.1	-5.3	468.9	423.8	45.12	10.392		
8,400.0	7,566.0	8,263.0	7,435.0	26.2	24.8	-73.78	-1,133.1	-5.3	468.9	420.9	48.01	9.767		
8,500.0	7,566.0	8,363.0	7,435.0	27.7	26.4	-73.78	-1,233.1	-5.3	468.9	418.0	50.96	9.202		
8,600.0	7,566.0	8,463.0	7,435.0	29.2	27.9	-73.78	-1,333.1	-5.3	468.9	415.0	53.96	8.691		
8,700.0	7,566.0	8,563.0	7,435.0	30.7	29.5	-73.78	-1,433.1	-5.3	468.9	411.9	57.00	8.228		
8,800.0	7,566.0	8,663.0	7,435.0	32.2	31.1	-73.78	-1,533.1	-5.3	468.9	408.9	60.07	7.806		
8,900.0	7,566.0	8,763.0	7,435.0	33.8	32.7	-73.78	-1,633.1	-5.3	468.9	405.8	63.17	7.423		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1D-19H-B2688 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
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	
9,000.0	7,566.0	8,863.0	7,435.0	35.4	34.4	-73.78	-1,733.1	-5.3	468.9	402.6	66.30	7.072		
9,100.0	7,566.0	8,963.0	7,435.0	37.0	36.0	-73.78	-1,833.1	-5.3	468.9	399.5	69.46	6.751		
9,200.0	7,566.0	9,063.0	7,435.0	38.6	37.7	-73.78	-1,933.1	-5.3	468.9	396.3	72.63	6.456		
9,300.0	7,566.0	9,163.0	7,435.0	40.2	39.3	-73.78	-2,033.1	-5.3	468.9	393.1	75.82	6.185		
9,400.0	7,566.0	9,263.0	7,435.0	41.8	41.0	-73.78	-2,133.1	-5.3	468.9	389.9	79.02	5.934		
9,500.0	7,566.0	9,363.0	7,435.0	43.5	42.7	-73.78	-2,233.1	-5.3	468.9	386.7	82.24	5.702		
9,600.0	7,566.0	9,463.0	7,435.0	45.1	44.3	-73.78	-2,333.1	-5.3	468.9	383.5	85.47	5.486		
9,700.0	7,566.0	9,563.0	7,435.0	46.8	46.0	-73.78	-2,433.1	-5.3	468.9	380.2	88.71	5.286		
9,800.0	7,566.0	9,663.0	7,435.0	48.5	47.7	-73.78	-2,533.1	-5.3	468.9	377.0	91.96	5.099		
9,900.0	7,566.0	9,763.0	7,435.0	50.1	49.4	-73.78	-2,633.1	-5.3	468.9	373.7	95.22	4.925		
10,000.0	7,566.0	9,863.0	7,435.0	51.8	51.1	-73.78	-2,733.1	-5.3	468.9	370.5	98.48	4.762		
10,100.0	7,566.0	9,963.0	7,435.0	53.5	52.8	-73.78	-2,833.1	-5.3	468.9	367.2	101.76	4.608		
10,200.0	7,566.0	10,063.0	7,435.0	55.2	54.5	-73.78	-2,933.1	-5.3	468.9	363.9	105.03	4.465		
10,300.0	7,566.0	10,163.0	7,435.0	56.9	56.2	-73.78	-3,033.1	-5.3	468.9	360.6	108.32	4.329		
10,400.0	7,566.0	10,263.0	7,435.0	58.6	58.0	-73.78	-3,133.1	-5.3	468.9	357.3	111.61	4.202		
10,500.0	7,566.0	10,363.0	7,435.0	60.3	59.7	-73.78	-3,233.1	-5.3	468.9	354.0	114.90	4.081		
10,600.0	7,566.0	10,463.0	7,435.0	62.0	61.4	-73.78	-3,333.1	-5.3	468.9	350.7	118.20	3.967		
10,700.0	7,566.0	10,563.0	7,435.0	63.7	63.1	-73.78	-3,433.1	-5.3	468.9	347.4	121.50	3.860		
10,800.0	7,566.0	10,663.0	7,435.0	65.4	64.8	-73.78	-3,533.1	-5.3	468.9	344.1	124.81	3.757		
10,900.0	7,566.0	10,763.0	7,435.0	67.1	66.5	-73.78	-3,633.1	-5.3	468.9	340.8	128.12	3.660		
11,000.0	7,566.0	10,863.0	7,435.0	68.8	68.3	-73.78	-3,733.1	-5.3	468.9	337.5	131.43	3.568		
11,100.0	7,566.0	10,963.0	7,435.0	70.5	70.0	-73.78	-3,833.1	-5.3	468.9	334.2	134.74	3.480		
11,200.0	7,566.0	11,063.0	7,435.0	72.2	71.7	-73.78	-3,933.1	-5.3	468.9	330.9	138.06	3.397		
11,300.0	7,566.0	11,163.0	7,435.0	73.9	73.5	-73.78	-4,033.1	-5.3	468.9	327.6	141.38	3.317		
11,400.0	7,566.0	11,263.0	7,435.0	75.7	75.2	-73.78	-4,133.1	-5.3	468.9	324.2	144.70	3.241		
11,500.0	7,566.0	11,363.0	7,435.0	77.4	76.9	-73.78	-4,233.1	-5.3	468.9	320.9	148.03	3.168		
11,600.0	7,566.0	11,463.0	7,435.0	79.1	78.6	-73.78	-4,333.1	-5.3	468.9	317.6	151.36	3.098		
11,700.0	7,566.0	11,563.0	7,435.0	80.8	80.4	-73.78	-4,433.1	-5.3	468.9	314.3	154.68	3.032		
11,800.0	7,566.0	11,663.0	7,435.0	82.5	82.1	-73.78	-4,533.1	-5.3	468.9	310.9	158.01	2.968		
11,900.0	7,566.0	11,763.0	7,435.0	84.3	83.8	-73.78	-4,633.1	-5.3	468.9	307.6	161.35	2.906		
12,000.0	7,566.0	11,863.0	7,435.0	86.0	85.6	-73.78	-4,733.1	-5.3	468.9	304.3	164.68	2.848		
12,037.8	7,566.0	11,900.8	7,435.0	86.7	86.2	-73.78	-4,770.9	-5.3	468.9	303.0	165.94	2.826		
12,069.2	7,566.0	11,924.8	7,435.0	87.2	86.7	-73.78	-4,794.8	-5.3	469.0	302.1	166.86	2.811 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1E-19H-B2687 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (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	87.92	1.1	29.9	29.9					
100.0	100.0	100.0	100.0	0.2	0.2	87.92	1.1	29.9	29.9	29.6	0.30	98.584	CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	87.92	1.1	29.9	29.9	29.3	0.65	45.865		
300.0	300.0	300.0	300.0	0.5	0.5	87.92	1.1	29.9	29.9	28.9	1.00	29.884		
400.0	400.0	400.0	400.0	0.7	0.7	178.83	1.1	29.9	31.7	30.3	1.35	23.463		
481.7	481.6	481.6	481.6	0.8	0.8	178.96	1.1	29.9	35.7	34.1	1.63	21.847		
500.0	499.8	499.8	499.8	0.9	0.8	179.00	1.1	29.9	36.9	35.2	1.70	21.709		
600.0	599.6	599.6	599.6	1.1	1.0	179.14	1.1	29.9	43.2	41.1	2.05	21.106		
700.0	699.4	699.4	699.4	1.3	1.2	179.25	1.1	29.9	49.5	47.1	2.40	20.680		
800.0	799.2	799.2	799.2	1.5	1.4	179.34	1.1	29.9	55.9	53.1	2.74	20.362		
900.0	899.0	899.0	899.0	1.7	1.5	179.41	1.1	29.9	62.2	59.1	3.09	20.116		
1,000.0	998.8	998.8	998.8	1.9	1.7	179.46	1.1	29.9	68.5	65.1	3.44	19.919		
1,100.0	1,098.6	1,098.6	1,098.6	2.1	1.9	179.51	1.1	29.9	74.9	71.1	3.79	19.759		
1,200.0	1,198.4	1,198.4	1,198.4	2.3	2.1	179.54	1.1	29.9	81.2	77.1	4.14	19.626		
1,300.0	1,298.2	1,298.2	1,298.2	2.5	2.2	179.58	1.1	29.9	87.6	83.1	4.49	19.514		
1,400.0	1,398.0	1,398.0	1,398.0	2.7	2.4	179.61	1.1	29.9	93.9	89.1	4.84	19.418		
1,500.0	1,497.8	1,497.8	1,497.8	2.9	2.6	179.63	1.1	29.9	100.2	95.0	5.18	19.334		
1,600.0	1,597.6	1,597.6	1,597.6	3.1	2.8	179.65	1.1	29.9	106.6	101.0	5.53	19.262		
1,700.0	1,697.4	1,697.4	1,697.4	3.3	2.9	179.67	1.1	29.9	112.9	107.0	5.88	19.198		
1,800.0	1,797.2	1,797.2	1,797.2	3.5	3.1	179.69	1.1	29.9	119.2	113.0	6.23	19.141		
1,900.0	1,897.0	1,897.0	1,897.0	3.7	3.3	179.71	1.1	29.9	125.6	119.0	6.58	19.090		
2,000.0	1,996.8	1,996.8	1,996.8	3.9	3.5	179.72	1.1	29.9	131.9	125.0	6.93	19.044		
2,100.0	2,096.6	2,096.6	2,096.6	4.1	3.6	179.73	1.1	29.9	138.3	131.0	7.28	19.003		
2,200.0	2,196.4	2,196.4	2,196.4	4.3	3.8	179.74	1.1	29.9	144.6	137.0	7.62	18.965		
2,300.0	2,296.2	2,296.2	2,296.2	4.5	4.0	179.75	1.1	29.9	150.9	143.0	7.97	18.931		
2,400.0	2,396.0	2,396.0	2,396.0	4.7	4.2	179.76	1.1	29.9	157.3	148.9	8.32	18.899		
2,500.0	2,495.8	2,495.8	2,495.8	5.0	4.3	179.77	1.1	29.9	163.6	154.9	8.67	18.871		
2,600.0	2,595.6	2,595.6	2,595.6	5.2	4.5	179.78	1.1	29.9	169.9	160.9	9.02	18.844		
2,700.0	2,695.4	2,695.4	2,695.4	5.4	4.7	179.79	1.1	29.9	176.3	166.9	9.37	18.819		
2,800.0	2,795.2	2,795.2	2,795.2	5.6	4.9	179.80	1.1	29.9	182.6	172.9	9.72	18.796		
2,900.0	2,895.0	2,895.0	2,895.0	5.8	5.0	179.80	1.1	29.9	188.9	178.9	10.06	18.775		
3,000.0	2,994.8	2,994.8	2,994.8	6.0	5.2	179.81	1.1	29.9	195.3	184.9	10.41	18.755		
3,100.0	3,094.6	3,094.6	3,094.6	6.2	5.4	179.82	1.1	29.9	201.6	190.9	10.76	18.737		
3,200.0	3,194.4	3,194.4	3,194.4	6.4	5.6	179.82	1.1	29.9	208.0	196.9	11.11	18.719		
3,300.0	3,294.2	3,294.2	3,294.2	6.6	5.7	179.83	1.1	29.9	214.3	202.8	11.46	18.703		
3,400.0	3,394.0	3,394.0	3,394.0	6.8	5.9	179.83	1.1	29.9	220.6	208.8	11.81	18.687		
3,500.0	3,493.8	3,493.8	3,493.8	7.0	6.1	179.84	1.1	29.9	227.0	214.8	12.16	18.673		
3,600.0	3,593.6	3,593.6	3,593.6	7.2	6.2	179.84	1.1	29.9	233.3	220.8	12.50	18.659		
3,700.0	3,693.4	3,693.4	3,693.4	7.4	6.4	179.85	1.1	29.9	239.6	226.8	12.85	18.646		
3,800.0	3,793.2	3,793.2	3,793.2	7.6	6.6	179.85	1.1	29.9	246.0	232.8	13.20	18.634		
3,900.0	3,893.0	3,893.0	3,893.0	7.8	6.8	179.85	1.1	29.9	252.3	238.8	13.55	18.622		
4,000.0	3,992.8	3,992.8	3,992.8	8.1	6.9	179.86	1.1	29.9	258.7	244.8	13.90	18.611		
4,100.0	4,092.6	4,084.7	4,084.7	8.3	7.1	179.86	1.1	31.2	266.4	252.1	14.23	18.715		
4,200.0	4,192.4	4,177.5	4,177.4	8.5	7.3	179.84	1.3	35.3	277.2	262.6	14.57	19.024		
4,300.0	4,292.2	4,276.8	4,276.5	8.7	7.4	179.83	1.5	40.7	288.9	274.0	14.92	19.368		
4,400.0	4,392.0	4,376.1	4,375.7	8.9	7.6	179.82	1.6	46.1	300.7	285.4	15.26	19.697		
4,500.0	4,491.8	4,475.4	4,474.8	9.1	7.8	179.80	1.8	51.5	312.4	296.8	15.61	20.012		
4,600.0	4,591.6	4,574.7	4,574.0	9.3	8.0	179.79	2.0	56.9	324.1	308.2	15.96	20.312		
4,700.0	4,691.4	4,674.0	4,673.2	9.5	8.2	179.78	2.2	62.3	335.9	319.6	16.31	20.600		
4,800.0	4,791.2	4,773.3	4,772.3	9.7	8.3	179.77	2.4	67.7	347.6	331.0	16.65	20.876		
4,900.0	4,891.0	4,872.6	4,871.5	9.9	8.5	179.76	2.6	73.1	359.4	342.4	17.00	21.140		
5,000.0	4,990.8	4,971.9	4,970.6	10.1	8.7	179.75	2.8	78.5	371.1	353.8	17.35	21.394		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1E-19H-B2687 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	5,090.6	5,071.2	5,069.8	10.3	8.9	179.74	2.9	83.8	382.9	365.2	17.69	21.638		
5,200.0	5,190.4	5,170.5	5,169.0	10.5	9.1	179.74	3.1	89.2	394.6	376.6	18.04	21.873		
5,300.0	5,290.2	5,269.8	5,268.1	10.7	9.2	179.73	3.3	94.6	406.4	388.0	18.39	22.099		
5,400.0	5,390.0	5,369.2	5,367.3	10.9	9.4	179.72	3.5	100.0	418.1	399.4	18.74	22.316		
5,500.0	5,489.8	5,468.5	5,466.4	11.2	9.6	179.71	3.7	105.4	429.9	410.8	19.08	22.526		
5,600.0	5,589.6	5,567.8	5,565.6	11.4	9.8	179.71	3.9	110.8	441.6	422.2	19.43	22.728		
5,700.0	5,689.4	5,667.1	5,664.8	11.6	10.0	179.70	4.1	116.2	453.4	433.6	19.78	22.923		
5,800.0	5,789.2	5,766.4	5,763.9	11.8	10.2	179.70	4.2	121.6	465.1	445.0	20.13	23.111		
5,900.0	5,889.0	5,865.7	5,863.1	12.0	10.4	179.69	4.4	127.0	476.9	456.4	20.47	23.293		
6,000.0	5,988.8	5,965.0	5,962.3	12.2	10.5	179.69	4.6	132.4	488.6	467.8	20.82	23.468		
6,100.0	6,088.6	6,064.3	6,061.4	12.4	10.7	179.68	4.8	137.7	500.4	479.2	21.17	23.638		
6,200.0	6,188.4	6,163.6	6,160.6	12.6	10.9	179.68	5.0	143.1	512.1	490.6	21.51	23.803		
6,300.0	6,288.2	6,262.9	6,259.7	12.8	11.1	179.67	5.2	148.5	523.9	502.0	21.86	23.962		
6,400.0	6,388.0	6,362.2	6,358.9	13.0	11.3	179.67	5.4	153.9	535.6	513.4	22.21	24.116		
6,500.0	6,487.8	6,461.5	6,458.1	13.2	11.5	179.66	5.6	159.3	547.4	524.8	22.56	24.266		
6,600.0	6,587.6	6,560.8	6,557.2	13.4	11.7	179.66	5.7	164.7	559.1	536.2	22.90	24.411		
6,700.0	6,687.4	6,660.2	6,656.4	13.6	11.9	179.66	5.9	170.1	570.8	547.6	23.25	24.552		
6,800.0	6,787.2	6,759.5	6,755.5	13.8	12.1	179.65	6.1	175.5	582.6	559.0	23.60	24.688		
6,864.9	6,851.9	6,823.9	6,819.9	14.0	12.2	179.65	6.2	179.0	590.2	566.4	23.82	24.775		
6,900.0	6,887.0	6,858.8	6,854.8	14.0	12.2	-142.74	6.3	180.9	594.4	570.4	23.94	24.822		
6,950.0	6,936.7	6,909.5	6,905.3	14.1	12.3	-118.66	4.2	183.6	600.3	576.1	24.12	24.886		
7,000.0	6,986.0	6,960.3	6,955.7	14.3	12.4	-109.02	-1.4	186.4	606.1	581.8	24.30	24.942		
7,050.0	7,034.6	7,011.2	7,005.7	14.4	12.5	-104.03	-10.7	189.1	611.9	587.4	24.49	24.985		
7,100.0	7,082.3	7,062.3	7,055.1	14.5	12.6	-100.97	-23.5	191.8	617.6	592.9	24.70	25.007		
7,150.0	7,129.0	7,113.6	7,103.6	14.6	12.8	-98.87	-39.9	194.4	623.2	598.2	24.92	25.001		
7,200.0	7,174.2	7,165.1	7,151.0	14.7	12.9	-97.32	-59.8	197.0	628.6	603.4	25.18	24.958		
7,250.0	7,217.9	7,216.8	7,197.0	14.9	13.0	-96.11	-83.2	199.5	633.8	608.3	25.48	24.870		
7,300.0	7,259.8	7,268.6	7,241.3	15.1	13.2	-95.13	-109.9	201.9	638.8	612.9	25.83	24.728		
7,350.0	7,299.7	7,320.5	7,283.7	15.3	13.4	-94.32	-139.8	204.2	643.5	617.3	26.24	24.527		
7,400.0	7,337.5	7,372.6	7,323.9	15.5	13.6	-93.64	-172.8	206.4	648.1	621.3	26.71	24.261		
7,450.0	7,372.8	7,424.9	7,361.8	15.8	13.9	-93.04	-208.8	208.4	652.3	625.0	27.26	23.930		
7,500.0	7,405.6	7,477.2	7,397.0	16.0	14.2	-92.53	-247.5	210.3	656.2	628.3	27.88	23.533		
7,550.0	7,435.8	7,529.7	7,429.3	16.4	14.6	-92.07	-288.8	212.1	659.8	631.2	28.59	23.074		
7,600.0	7,463.0	7,582.3	7,458.6	16.7	14.9	-91.68	-332.4	213.7	663.0	633.7	29.39	22.560		
7,650.0	7,487.3	7,635.0	7,484.6	17.1	15.4	-91.33	-378.1	215.1	665.9	635.7	30.27	21.998		
7,700.0	7,508.5	7,687.7	7,507.3	17.6	15.9	-91.02	-425.7	216.3	668.4	637.2	31.24	21.399		
7,750.0	7,526.5	7,740.5	7,526.4	18.0	16.4	-90.76	-474.9	217.4	670.6	638.3	32.28	20.772		
7,800.0	7,541.2	7,793.3	7,541.9	18.5	17.0	-90.53	-525.4	218.2	672.3	638.9	33.40	20.128		
7,850.0	7,552.5	7,846.1	7,553.6	19.1	17.6	-90.34	-576.9	218.9	673.6	639.0	34.59	19.476		
7,900.0	7,560.5	7,898.9	7,561.4	19.6	18.2	-90.18	-629.1	219.3	674.5	638.7	35.83	18.826		
7,950.0	7,564.9	7,951.6	7,565.4	20.2	18.9	-90.06	-681.6	219.5	675.0	637.9	37.12	18.183		
7,989.2	7,566.0	7,992.3	7,566.0	20.7	19.4	-90.00	-722.3	219.5	675.1	637.0	38.16	17.694		
8,000.0	7,566.0	8,003.1	7,566.0	20.8	19.5	-90.00	-733.1	219.5	675.1	636.7	38.44	17.562		
8,100.0	7,566.0	8,103.1	7,566.0	22.1	20.9	-90.00	-833.1	219.5	675.1	634.0	41.16	16.401		
8,200.0	7,566.0	8,203.1	7,566.0	23.4	22.3	-90.00	-933.1	219.5	675.1	631.1	43.99	15.346		
8,300.0	7,566.0	8,303.1	7,566.0	24.8	23.7	-90.00	-1,033.1	219.5	675.1	628.2	46.92	14.390		
8,400.0	7,566.0	8,403.1	7,566.0	26.2	25.2	-90.00	-1,133.1	219.5	675.1	625.2	49.92	13.525		
8,500.0	7,566.0	8,503.1	7,566.0	27.7	26.7	-90.00	-1,233.1	219.5	675.1	622.1	52.98	12.744		
8,600.0	7,566.0	8,603.1	7,566.0	29.2	28.3	-90.00	-1,333.1	219.5	675.1	619.0	56.09	12.036		
8,700.0	7,566.0	8,703.1	7,566.0	30.7	29.8	-90.00	-1,433.1	219.5	675.1	615.9	59.25	11.395		
8,800.0	7,566.0	8,803.1	7,566.0	32.2	31.4	-90.00	-1,533.1	219.5	675.1	612.7	62.44	10.812		
8,900.0	7,566.0	8,903.1	7,566.0	33.8	33.0	-90.00	-1,633.1	219.5	675.1	609.4	65.67	10.280		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1E-19H-B2687 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		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			
9,000.0	7,566.0	9,003.1	7,566.0	35.4	34.6	-90.00	-1,733.1	219.5	675.1	606.2	68.92	9.795		
9,100.0	7,566.0	9,103.1	7,566.0	37.0	36.3	-90.00	-1,833.1	219.5	675.1	602.9	72.20	9.350		
9,200.0	7,566.0	9,203.1	7,566.0	38.6	37.9	-90.00	-1,933.1	219.5	675.1	599.6	75.50	8.942		
9,300.0	7,566.0	9,303.1	7,566.0	40.2	39.6	-90.00	-2,033.1	219.5	675.1	596.3	78.82	8.565		
9,400.0	7,566.0	9,403.1	7,566.0	41.8	41.2	-90.00	-2,133.1	219.5	675.1	593.0	82.15	8.218		
9,500.0	7,566.0	9,503.1	7,566.0	43.5	42.9	-90.00	-2,233.1	219.5	675.1	589.6	85.50	7.896		
9,600.0	7,566.0	9,603.1	7,566.0	45.1	44.6	-90.00	-2,333.1	219.5	675.1	586.3	88.86	7.598		
9,700.0	7,566.0	9,703.1	7,566.0	46.8	46.2	-90.00	-2,433.1	219.5	675.1	582.9	92.23	7.320		
9,800.0	7,566.0	9,803.1	7,566.0	48.5	47.9	-90.00	-2,533.1	219.5	675.1	579.5	95.61	7.061		
9,900.0	7,566.0	9,903.1	7,566.0	50.1	49.6	-90.00	-2,633.1	219.5	675.1	576.1	99.00	6.820		
10,000.0	7,566.0	10,003.1	7,566.0	51.8	51.3	-90.00	-2,733.1	219.5	675.1	572.7	102.39	6.593		
10,100.0	7,566.0	10,103.1	7,566.0	53.5	53.0	-90.00	-2,833.1	219.5	675.1	569.3	105.80	6.381		
10,200.0	7,566.0	10,203.1	7,566.0	55.2	54.7	-90.00	-2,933.1	219.5	675.1	565.9	109.21	6.182		
10,300.0	7,566.0	10,303.1	7,566.0	56.9	56.4	-90.00	-3,033.1	219.5	675.1	562.5	112.63	5.994		
10,400.0	7,566.0	10,403.1	7,566.0	58.6	58.1	-90.00	-3,133.1	219.5	675.1	559.1	116.05	5.818		
10,500.0	7,566.0	10,503.1	7,566.0	60.3	59.8	-90.00	-3,233.1	219.5	675.1	555.6	119.48	5.651		
10,600.0	7,566.0	10,603.1	7,566.0	62.0	61.6	-90.00	-3,333.1	219.5	675.1	552.2	122.91	5.493		
10,700.0	7,566.0	10,703.1	7,566.0	63.7	63.3	-90.00	-3,433.1	219.5	675.1	548.8	126.34	5.343		
10,800.0	7,566.0	10,803.1	7,566.0	65.4	65.0	-90.00	-3,533.1	219.5	675.1	545.3	129.78	5.202		
10,900.0	7,566.0	10,903.1	7,566.0	67.1	66.7	-90.00	-3,633.1	219.5	675.1	541.9	133.23	5.067		
11,000.0	7,566.0	11,003.1	7,566.0	68.8	68.4	-90.00	-3,733.1	219.5	675.1	538.4	136.67	4.940		
11,100.0	7,566.0	11,103.1	7,566.0	70.5	70.2	-90.00	-3,833.1	219.5	675.1	535.0	140.12	4.818		
11,200.0	7,566.0	11,203.1	7,566.0	72.2	71.9	-90.00	-3,933.1	219.5	675.1	531.5	143.58	4.702		
11,300.0	7,566.0	11,303.1	7,566.0	73.9	73.6	-90.00	-4,033.1	219.5	675.1	528.1	147.03	4.592		
11,400.0	7,566.0	11,403.1	7,566.0	75.7	75.3	-90.00	-4,133.1	219.5	675.1	524.6	150.49	4.486		
11,500.0	7,566.0	11,503.1	7,566.0	77.4	77.1	-90.00	-4,233.1	219.5	675.1	521.2	153.95	4.385		
11,600.0	7,566.0	11,603.1	7,566.0	79.1	78.8	-90.00	-4,333.1	219.5	675.1	517.7	157.41	4.289		
11,700.0	7,566.0	11,703.1	7,566.0	80.8	80.5	-90.00	-4,433.1	219.5	675.1	514.2	160.88	4.197		
11,800.0	7,566.0	11,803.1	7,566.0	82.5	82.3	-90.00	-4,533.1	219.5	675.1	510.8	164.34	4.108		
11,900.0	7,566.0	11,903.1	7,566.0	84.3	84.0	-90.00	-4,633.1	219.5	675.1	507.3	167.81	4.023		
12,000.0	7,566.0	12,003.1	7,566.0	86.0	85.7	-90.00	-4,733.1	219.5	675.1	503.8	171.28	3.942		
12,035.5	7,566.0	12,038.6	7,566.0	86.6	86.3	-90.00	-4,768.6	219.5	675.1	502.6	172.51	3.913		
12,069.2	7,566.0	12,059.9	7,566.0	87.2	86.7	-90.00	-4,789.9	219.5	675.2	501.8	173.47	3.893 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1F-19H-B2686 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (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	87.92	1.4	40.0	40.0					
100.0	100.0	100.0	100.0	0.2	0.2	87.92	1.4	40.0	40.0	39.7	0.30	131.751	CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	87.92	1.4	40.0	40.0	39.4	0.65	61.296		
300.0	300.0	300.0	300.0	0.5	0.5	87.92	1.4	40.0	40.0	39.0	1.00	39.939		
400.0	400.0	400.0	400.0	0.7	0.7	178.83	1.4	40.0	41.8	40.4	1.35	30.922		
481.7	481.6	481.6	481.6	0.8	0.8	178.93	1.4	40.0	45.8	44.1	1.63	28.012		
500.0	499.8	499.8	499.8	0.9	0.8	178.95	1.4	40.0	46.9	45.2	1.70	27.641		
600.0	599.6	599.6	599.6	1.1	1.0	179.08	1.4	40.0	53.3	51.2	2.05	26.028		
700.0	699.4	699.4	699.4	1.3	1.2	179.18	1.4	40.0	59.6	57.2	2.40	24.885		
800.0	799.2	799.2	799.2	1.5	1.4	179.26	1.4	40.0	65.9	63.2	2.74	24.033		
900.0	899.0	899.0	899.0	1.7	1.5	179.32	1.4	40.0	72.3	69.2	3.09	23.373		
1,000.0	998.8	996.2	996.1	1.9	1.7	179.33	1.5	41.6	80.3	76.8	3.44	23.360		
1,100.0	1,098.6	1,092.9	1,092.8	2.1	1.9	179.27	1.8	46.4	91.6	87.8	3.78	24.240		
1,200.0	1,198.4	1,192.1	1,191.8	2.3	2.1	179.20	2.2	52.8	104.3	100.2	4.13	25.274		
1,300.0	1,298.2	1,291.3	1,290.8	2.5	2.3	179.14	2.6	59.1	117.0	112.5	4.47	26.148		
1,400.0	1,398.0	1,390.5	1,389.8	2.7	2.5	179.10	3.0	65.4	129.7	124.8	4.82	26.897		
1,500.0	1,497.8	1,489.7	1,488.8	2.9	2.6	179.06	3.4	71.7	142.3	137.2	5.17	27.544		
1,600.0	1,597.6	1,588.9	1,587.8	3.1	2.8	179.03	3.8	78.0	155.0	149.5	5.51	28.111		
1,700.0	1,697.4	1,688.1	1,686.7	3.3	3.0	179.00	4.1	84.3	167.7	161.8	5.86	28.610		
1,800.0	1,797.2	1,787.3	1,785.7	3.5	3.2	178.98	4.5	90.6	180.4	174.2	6.21	29.054		
1,900.0	1,897.0	1,886.5	1,884.7	3.7	3.4	178.96	4.9	96.9	193.1	186.5	6.56	29.450		
2,000.0	1,996.8	1,985.7	1,983.7	3.9	3.6	178.94	5.3	103.2	205.7	198.8	6.90	29.807		
2,100.0	2,096.6	2,084.9	2,082.7	4.1	3.8	178.93	5.7	109.5	218.4	211.2	7.25	30.130		
2,200.0	2,196.4	2,184.1	2,181.7	4.3	4.0	178.91	6.1	115.9	231.1	223.5	7.60	30.423		
2,300.0	2,296.2	2,283.3	2,280.7	4.5	4.2	178.90	6.5	122.2	243.8	235.8	7.94	30.691		
2,400.0	2,396.0	2,382.4	2,379.7	4.7	4.4	178.89	6.8	128.5	256.5	248.2	8.29	30.936		
2,500.0	2,495.8	2,481.6	2,478.7	5.0	4.6	178.88	7.2	134.8	269.1	260.5	8.64	31.161		
2,600.0	2,595.6	2,580.8	2,577.7	5.2	4.8	178.87	7.6	141.1	281.8	272.8	8.98	31.369		
2,700.0	2,695.4	2,680.0	2,676.7	5.4	5.0	178.86	8.0	147.4	294.5	285.2	9.33	31.562		
2,800.0	2,795.2	2,779.2	2,775.6	5.6	5.2	178.85	8.4	153.7	307.2	297.5	9.68	31.741		
2,900.0	2,895.0	2,878.4	2,874.6	5.8	5.4	178.85	8.8	160.0	319.9	309.8	10.03	31.907		
3,000.0	2,994.8	2,977.6	2,973.6	6.0	5.6	178.84	9.1	166.3	332.6	322.2	10.37	32.063		
3,100.0	3,094.6	3,076.8	3,072.6	6.2	5.9	178.84	9.5	172.6	345.2	334.5	10.72	32.208		
3,200.0	3,194.4	3,176.0	3,171.6	6.4	6.1	178.83	9.9	179.0	357.9	346.9	11.07	32.344		
3,300.0	3,294.2	3,275.2	3,270.6	6.6	6.3	178.82	10.3	185.3	370.6	359.2	11.41	32.472		
3,400.0	3,394.0	3,374.4	3,369.6	6.8	6.5	178.82	10.7	191.6	383.3	371.5	11.76	32.592		
3,500.0	3,493.8	3,473.6	3,468.6	7.0	6.7	178.82	11.1	197.9	396.0	383.9	12.11	32.706		
3,600.0	3,593.6	3,572.8	3,567.6	7.2	6.9	178.81	11.4	204.2	408.6	396.2	12.45	32.813		
3,700.0	3,693.4	3,672.0	3,666.6	7.4	7.1	178.81	11.8	210.5	421.3	408.5	12.80	32.914		
3,800.0	3,793.2	3,771.1	3,765.6	7.6	7.3	178.80	12.2	216.8	434.0	420.9	13.15	33.010		
3,900.0	3,893.0	3,870.3	3,864.5	7.8	7.5	178.80	12.6	223.1	446.7	433.2	13.49	33.101		
4,000.0	3,992.8	3,969.5	3,963.5	8.1	7.7	178.80	13.0	229.4	459.4	445.5	13.84	33.188		
4,100.0	4,092.6	4,068.7	4,062.5	8.3	7.9	178.79	13.4	235.7	472.1	457.9	14.19	33.270		
4,200.0	4,192.4	4,167.9	4,161.5	8.5	8.1	178.79	13.7	242.1	484.7	470.2	14.54	33.348		
4,300.0	4,292.2	4,267.1	4,260.5	8.7	8.3	178.79	14.1	248.4	497.4	482.5	14.88	33.423		
4,400.0	4,392.0	4,366.3	4,359.5	8.9	8.5	178.78	14.5	254.7	510.1	494.9	15.23	33.494		
4,500.0	4,491.8	4,465.5	4,458.5	9.1	8.7	178.78	14.9	261.0	522.8	507.2	15.58	33.563		
4,600.0	4,591.6	4,564.7	4,557.5	9.3	8.9	178.78	15.3	267.3	535.5	519.5	15.92	33.628		
4,700.0	4,691.4	4,663.9	4,656.5	9.5	9.1	178.78	15.7	273.6	548.1	531.9	16.27	33.690		
4,800.0	4,791.2	4,763.1	4,755.5	9.7	9.3	178.77	16.1	279.9	560.8	544.2	16.62	33.750		
4,900.0	4,891.0	4,862.3	4,854.5	9.9	9.5	178.77	16.4	286.2	573.5	556.5	16.96	33.807		
5,000.0	4,990.8	4,961.5	4,953.4	10.1	9.7	178.77	16.8	292.5	586.2	568.9	17.31	33.862		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1F-19H-B2686 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	5,090.6	5,060.7	5,052.4	10.3	9.9	178.77	17.2	298.8	598.9	581.2	17.66	33.915		
5,200.0	5,190.4	5,159.8	5,151.4	10.5	10.1	178.77	17.6	305.2	611.5	593.5	18.00	33.966		
5,300.0	5,290.2	5,259.0	5,250.4	10.7	10.3	178.76	18.0	311.5	624.2	605.9	18.35	34.015		
5,400.0	5,390.0	5,358.2	5,349.4	10.9	10.5	178.76	18.4	317.8	636.9	618.2	18.70	34.062		
5,500.0	5,489.8	5,457.4	5,448.4	11.2	10.8	178.76	18.7	324.1	649.6	630.5	19.05	34.107		
5,600.0	5,589.6	5,556.6	5,547.4	11.4	11.0	178.76	19.1	330.4	662.3	642.9	19.39	34.151		
5,700.0	5,689.4	5,655.8	5,646.4	11.6	11.2	178.76	19.5	336.7	675.0	655.2	19.74	34.193		
5,800.0	5,789.2	5,755.0	5,745.4	11.8	11.4	178.76	19.9	343.0	687.6	667.5	20.09	34.234		
5,900.0	5,889.0	5,854.2	5,844.4	12.0	11.6	178.76	20.3	349.3	700.3	679.9	20.43	34.273		
6,000.0	5,988.8	5,953.4	5,943.4	12.2	11.8	178.75	20.7	355.6	713.0	692.2	20.78	34.311		
6,100.0	6,088.6	6,052.6	6,042.3	12.4	12.0	178.75	21.0	361.9	725.7	704.6	21.13	34.348		
6,200.0	6,188.4	6,151.8	6,141.3	12.6	12.2	178.75	21.4	368.3	738.4	716.9	21.47	34.384		
6,300.0	6,288.2	6,251.0	6,240.3	12.8	12.4	178.75	21.8	374.6	751.0	729.2	21.82	34.418		
6,400.0	6,388.0	6,350.2	6,339.3	13.0	12.6	178.75	22.2	380.9	763.7	741.6	22.17	34.452		
6,500.0	6,487.8	6,449.3	6,438.3	13.2	12.8	178.75	22.6	387.2	776.4	753.9	22.51	34.484		
6,600.0	6,587.6	6,548.5	6,537.3	13.4	13.0	178.75	23.0	393.5	789.1	766.2	22.86	34.515		
6,700.0	6,687.4	6,648.3	6,636.9	13.6	13.2	178.76	23.2	399.8	801.8	778.6	23.21	34.544		
6,800.0	6,787.2	6,750.8	6,738.6	13.8	13.4	179.42	14.2	406.3	814.2	790.6	23.56	34.556		
6,864.9	6,851.9	6,815.1	6,801.5	14.0	13.5	-179.66	1.2	410.3	822.2	798.4	23.79	34.563		
6,900.0	6,887.0	6,849.0	6,834.1	14.0	13.6	-141.36	-8.0	412.4	826.6	802.7	23.91	34.570		
6,950.0	6,936.7	6,896.7	6,879.1	14.1	13.7	-116.23	-23.4	415.3	833.0	808.9	24.09	34.572		
7,000.0	6,986.0	6,943.6	6,922.3	14.3	13.8	-105.58	-41.5	418.0	839.5	815.2	24.29	34.557		
7,050.0	7,034.6	6,989.9	6,963.7	14.4	14.0	-99.61	-62.1	420.7	846.1	821.6	24.51	34.517		
7,100.0	7,082.3	7,035.6	7,003.1	14.5	14.1	-95.60	-84.9	423.2	852.7	828.0	24.76	34.444		
7,150.0	7,129.0	7,080.7	7,040.5	14.6	14.2	-92.59	-110.0	425.6	859.3	834.3	25.03	34.331		
7,200.0	7,174.2	7,125.2	7,075.9	14.7	14.4	-90.18	-137.0	427.8	865.8	840.5	25.34	34.171		
7,250.0	7,217.9	7,169.3	7,109.2	14.9	14.6	-88.16	-165.8	430.0	872.2	846.5	25.68	33.960		
7,300.0	7,259.8	7,212.9	7,140.3	15.1	14.8	-86.41	-196.3	431.9	878.4	852.4	26.07	33.692		
7,350.0	7,299.7	7,256.2	7,169.2	15.3	15.1	-84.88	-228.3	433.8	884.5	858.0	26.51	33.367		
7,400.0	7,337.5	7,300.0	7,196.6	15.5	15.3	-83.51	-262.5	435.5	890.2	863.2	27.00	32.975		
7,450.0	7,372.8	7,341.5	7,220.5	15.8	15.6	-82.31	-296.4	437.0	895.7	868.2	27.54	32.529		
7,500.0	7,405.6	7,383.7	7,242.8	16.0	15.9	-81.22	-332.2	438.5	900.9	872.8	28.13	32.021		
7,550.0	7,435.8	7,425.6	7,262.7	16.4	16.2	-80.25	-369.0	439.7	905.7	876.9	28.79	31.459		
7,600.0	7,463.0	7,467.3	7,280.5	16.7	16.6	-79.38	-406.7	440.9	910.1	880.6	29.50	30.849		
7,650.0	7,487.3	7,508.7	7,295.9	17.1	17.0	-78.62	-445.1	441.9	914.1	883.8	30.27	30.197		
7,700.0	7,508.5	7,550.0	7,309.0	17.6	17.4	-77.96	-484.3	442.7	917.6	886.5	31.10	29.507		
7,750.0	7,526.5	7,590.9	7,319.8	18.0	17.8	-77.38	-523.8	443.4	920.7	888.7	31.99	28.783		
7,800.0	7,541.2	7,631.8	7,328.3	18.5	18.2	-76.90	-563.8	443.9	923.3	890.3	32.93	28.038		
7,850.0	7,552.5	7,672.6	7,334.5	19.1	18.7	-76.51	-604.0	444.3	925.3	891.4	33.92	27.279		
7,900.0	7,560.5	7,713.2	7,338.4	19.6	19.2	-76.21	-644.5	444.6	926.9	891.9	34.96	26.513		
7,950.0	7,564.9	7,753.7	7,340.0	20.2	19.7	-75.99	-685.0	444.7	927.9	891.8	36.04	25.747		
7,989.2	7,566.0	7,791.1	7,340.0	20.7	20.1	-75.91	-722.3	444.7	928.2	891.2	36.99	25.093		
8,000.0	7,566.0	7,801.9	7,340.0	20.8	20.3	-75.91	-733.1	444.7	928.2	890.9	37.27	24.906		
8,100.0	7,566.0	7,901.9	7,340.0	22.1	21.6	-75.91	-833.1	444.7	928.2	888.3	39.92	23.252		
8,200.0	7,566.0	8,001.9	7,340.0	23.4	22.9	-75.91	-933.1	444.7	928.2	885.5	42.68	21.749		
8,300.0	7,566.0	8,101.9	7,340.0	24.8	24.3	-75.91	-1,033.1	444.7	928.2	882.7	45.52	20.390		
8,400.0	7,566.0	8,201.9	7,340.0	26.2	25.8	-75.91	-1,133.1	444.7	928.2	879.7	48.44	19.162		
8,500.0	7,566.0	8,301.9	7,340.0	27.7	27.2	-75.91	-1,233.1	444.7	928.2	876.8	51.42	18.052		
8,600.0	7,566.0	8,401.9	7,340.0	29.2	28.8	-75.91	-1,333.1	444.7	928.2	873.7	54.44	17.048		
8,700.0	7,566.0	8,501.9	7,340.0	30.7	30.3	-75.91	-1,433.1	444.7	928.2	870.7	57.51	16.138		
8,800.0	7,566.0	8,601.9	7,340.0	32.2	31.9	-75.91	-1,533.1	444.7	928.2	867.6	60.62	15.312		
8,900.0	7,566.0	8,701.9	7,340.0	33.8	33.4	-75.91	-1,633.1	444.7	928.2	864.4	63.75	14.559		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1F-19H-B2686 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,000.0	7,566.0	8,801.9	7,340.0	35.4	35.0	-75.91	-1,733.1	444.7	928.2	861.3	66.92	13.871		
9,100.0	7,566.0	8,901.9	7,340.0	37.0	36.7	-75.91	-1,833.1	444.7	928.2	858.1	70.10	13.241		
9,200.0	7,566.0	9,001.9	7,340.0	38.6	38.3	-75.91	-1,933.1	444.7	928.2	854.9	73.31	12.662		
9,300.0	7,566.0	9,101.9	7,340.0	40.2	39.9	-75.91	-2,033.1	444.7	928.2	851.7	76.53	12.129		
9,400.0	7,566.0	9,201.9	7,340.0	41.8	41.6	-75.91	-2,133.1	444.7	928.2	848.4	79.76	11.637		
9,500.0	7,566.0	9,301.9	7,340.0	43.5	43.2	-75.91	-2,233.1	444.7	928.2	845.2	83.01	11.181		
9,600.0	7,566.0	9,401.9	7,340.0	45.1	44.9	-75.91	-2,333.1	444.7	928.2	841.9	86.28	10.758		
9,700.0	7,566.0	9,501.9	7,340.0	46.8	46.5	-75.91	-2,433.1	444.7	928.2	838.6	89.55	10.365		
9,800.0	7,566.0	9,601.9	7,340.0	48.5	48.2	-75.91	-2,533.1	444.7	928.2	835.4	92.83	9.999		
9,900.0	7,566.0	9,701.9	7,340.0	50.1	49.9	-75.91	-2,633.1	444.7	928.2	832.1	96.12	9.656		
10,000.0	7,566.0	9,801.9	7,340.0	51.8	51.6	-75.91	-2,733.1	444.7	928.2	828.8	99.42	9.336		
10,100.0	7,566.0	9,901.9	7,340.0	53.5	53.3	-75.91	-2,833.1	444.7	928.2	825.5	102.72	9.036		
10,200.0	7,566.0	10,001.9	7,340.0	55.2	55.0	-75.91	-2,933.1	444.7	928.2	822.2	106.03	8.754		
10,300.0	7,566.0	10,101.9	7,340.0	56.9	56.7	-75.91	-3,033.1	444.7	928.2	818.8	109.35	8.488		
10,400.0	7,566.0	10,201.9	7,340.0	58.6	58.4	-75.91	-3,133.1	444.7	928.2	815.5	112.67	8.238		
10,500.0	7,566.0	10,301.9	7,340.0	60.3	60.1	-75.91	-3,233.1	444.7	928.2	812.2	116.00	8.002		
10,600.0	7,566.0	10,401.9	7,340.0	62.0	61.8	-75.91	-3,333.1	444.7	928.2	808.9	119.33	7.778		
10,700.0	7,566.0	10,501.9	7,340.0	63.7	63.5	-75.91	-3,433.1	444.7	928.2	805.5	122.67	7.567		
10,800.0	7,566.0	10,601.9	7,340.0	65.4	65.2	-75.91	-3,533.1	444.7	928.2	802.2	126.01	7.366		
10,900.0	7,566.0	10,701.9	7,340.0	67.1	66.9	-75.91	-3,633.1	444.7	928.2	798.8	129.35	7.176		
11,000.0	7,566.0	10,801.9	7,340.0	68.8	68.6	-75.91	-3,733.1	444.7	928.2	795.5	132.69	6.995		
11,100.0	7,566.0	10,901.9	7,340.0	70.5	70.3	-75.91	-3,833.1	444.7	928.2	792.1	136.04	6.823		
11,200.0	7,566.0	11,001.9	7,340.0	72.2	72.1	-75.91	-3,933.1	444.7	928.2	788.8	139.39	6.659		
11,300.0	7,566.0	11,101.9	7,340.0	73.9	73.8	-75.91	-4,033.1	444.7	928.2	785.4	142.75	6.502		
11,400.0	7,566.0	11,201.9	7,340.0	75.7	75.5	-75.91	-4,133.1	444.7	928.2	782.1	146.10	6.353		
11,500.0	7,566.0	11,301.9	7,340.0	77.4	77.2	-75.91	-4,233.1	444.7	928.2	778.7	149.46	6.210		
11,600.0	7,566.0	11,401.9	7,340.0	79.1	78.9	-75.91	-4,333.1	444.7	928.2	775.4	152.82	6.074		
11,700.0	7,566.0	11,501.9	7,340.0	80.8	80.7	-75.91	-4,433.1	444.7	928.2	772.0	156.18	5.943		
11,800.0	7,566.0	11,601.9	7,340.0	82.5	82.4	-75.91	-4,533.1	444.7	928.2	768.6	159.54	5.818		
11,900.0	7,566.0	11,701.9	7,340.0	84.3	84.1	-75.91	-4,633.1	444.7	928.2	765.3	162.91	5.698		
12,000.0	7,566.0	11,801.9	7,340.0	86.0	85.9	-75.91	-4,733.1	444.7	928.2	761.9	166.28	5.582		
12,033.4	7,566.0	11,835.3	7,340.0	86.6	86.4	-75.91	-4,766.5	444.7	928.2	760.8	167.40	5.545		
12,069.2	7,566.0	11,854.7	7,340.0	87.2	86.8	-75.91	-4,785.9	444.7	928.3	760.0	168.33	5.515 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1G-19H-B2685 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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	87.91	1.8	49.8	49.8						
100.0	100.0	100.0	100.0	0.2	0.2	87.91	1.8	49.8	49.8	49.5	0.30	164.000			
200.0	200.0	200.0	200.0	0.3	0.3	87.91	1.8	49.8	49.8	49.2	0.65	76.299			
300.0	300.0	300.0	300.0	0.5	0.5	87.91	1.8	49.8	49.8	48.8	1.00	49.714 CC, ES			
400.0	400.0	400.0	400.0	0.7	0.7	178.80	1.8	49.8	51.5	50.2	1.35	38.175			
481.7	481.6	481.6	481.6	0.8	0.8	178.89	1.8	49.8	55.6	53.9	1.63	34.006			
500.0	499.8	499.8	499.8	0.9	0.8	178.91	1.8	49.8	56.7	55.0	1.70	33.410			
600.0	599.6	599.6	599.6	1.1	1.0	179.02	1.8	49.8	63.1	61.0	2.05	30.814			
700.0	699.4	699.4	699.4	1.3	1.2	179.11	1.8	49.8	69.4	67.0	2.40	28.974			
800.0	799.2	796.6	796.6	1.5	1.4	179.16	1.9	51.4	77.4	74.7	2.74	28.259 SF			
900.0	899.0	893.2	893.1	1.7	1.5	179.18	2.1	56.3	88.8	85.7	3.08	28.808			
1,000.0	998.8	991.3	990.9	1.9	1.7	179.18	2.4	63.7	102.7	99.3	3.43	29.966			
1,100.0	1,098.6	1,090.3	1,089.6	2.1	1.9	179.17	2.7	71.4	116.8	113.0	3.77	30.939			
1,200.0	1,198.4	1,189.3	1,188.3	2.3	2.1	179.17	3.1	79.1	130.8	126.7	4.12	31.750			
1,300.0	1,298.2	1,288.3	1,287.0	2.5	2.3	179.16	3.4	86.8	144.9	140.4	4.47	32.434			
1,400.0	1,398.0	1,387.3	1,385.7	2.7	2.5	179.16	3.7	94.4	158.9	154.1	4.81	33.021			
1,500.0	1,497.8	1,486.3	1,484.4	2.9	2.8	179.16	4.0	102.1	173.0	167.8	5.16	33.528			
1,600.0	1,597.6	1,585.3	1,583.1	3.1	3.0	179.15	4.4	109.8	187.1	181.5	5.51	33.972			
1,700.0	1,697.4	1,684.3	1,681.8	3.3	3.2	179.15	4.7	117.5	201.1	195.3	5.85	34.363			
1,800.0	1,797.2	1,783.4	1,780.5	3.5	3.4	179.15	5.0	125.1	215.2	209.0	6.20	34.711			
1,900.0	1,897.0	1,882.4	1,879.2	3.7	3.6	179.15	5.3	132.8	229.2	222.7	6.55	35.022			
2,000.0	1,996.8	1,981.4	1,977.9	3.9	3.8	179.15	5.7	140.5	243.3	236.4	6.89	35.301			
2,100.0	2,096.6	2,080.4	2,076.7	4.1	4.0	179.15	6.0	148.2	257.4	250.1	7.24	35.554			
2,200.0	2,196.4	2,179.4	2,175.4	4.3	4.2	179.15	6.3	155.8	271.4	263.8	7.58	35.784			
2,300.0	2,296.2	2,278.4	2,274.1	4.5	4.5	179.15	6.6	163.5	285.5	277.5	7.93	35.994			
2,400.0	2,396.0	2,377.4	2,372.8	4.7	4.7	179.15	7.0	171.2	299.5	291.3	8.28	36.186			
2,500.0	2,495.8	2,476.4	2,471.5	5.0	4.9	179.14	7.3	178.9	313.6	305.0	8.62	36.363			
2,600.0	2,595.6	2,575.4	2,570.2	5.2	5.1	179.14	7.6	186.5	327.7	318.7	8.97	36.526			
2,700.0	2,695.4	2,674.4	2,668.9	5.4	5.3	179.14	7.9	194.2	341.7	332.4	9.32	36.677			
2,800.0	2,795.2	2,773.4	2,767.6	5.6	5.5	179.14	8.3	201.9	355.8	346.1	9.66	36.817			
2,900.0	2,895.0	2,872.4	2,866.3	5.8	5.8	179.14	8.6	209.6	369.8	359.8	10.01	36.947			
3,000.0	2,994.8	2,971.4	2,965.0	6.0	6.0	179.14	8.9	217.2	383.9	373.5	10.36	37.069			
3,100.0	3,094.6	3,070.4	3,063.7	6.2	6.2	179.14	9.2	224.9	398.0	387.3	10.70	37.183			
3,200.0	3,194.4	3,169.4	3,162.4	6.4	6.4	179.14	9.6	232.6	412.0	401.0	11.05	37.290			
3,300.0	3,294.2	3,268.5	3,261.2	6.6	6.6	179.14	9.9	240.3	426.1	414.7	11.40	37.390			
3,400.0	3,394.0	3,367.5	3,359.9	6.8	6.8	179.14	10.2	247.9	440.1	428.4	11.74	37.484			
3,500.0	3,493.8	3,466.5	3,458.6	7.0	7.1	179.14	10.5	255.6	454.2	442.1	12.09	37.573			
3,600.0	3,593.6	3,565.5	3,557.3	7.2	7.3	179.14	10.9	263.3	468.3	455.8	12.44	37.657			
3,700.0	3,693.4	3,664.5	3,656.0	7.4	7.5	179.14	11.2	271.0	482.3	469.5	12.78	37.737			
3,800.0	3,793.2	3,763.5	3,754.7	7.6	7.7	179.14	11.5	278.6	496.4	483.3	13.13	37.812			
3,900.0	3,893.0	3,862.5	3,853.4	7.8	7.9	179.14	11.8	286.3	510.5	497.0	13.47	37.883			
4,000.0	3,992.8	3,961.5	3,952.1	8.1	8.1	179.14	12.2	294.0	524.5	510.7	13.82	37.951			
4,100.0	4,092.6	4,060.5	4,050.8	8.3	8.4	179.14	12.5	301.7	538.6	524.4	14.17	38.016			
4,200.0	4,192.4	4,159.5	4,149.5	8.5	8.6	179.14	12.8	309.3	552.6	538.1	14.51	38.077			
4,300.0	4,292.2	4,258.5	4,248.2	8.7	8.8	179.14	13.2	317.0	566.7	551.8	14.86	38.136			
4,400.0	4,392.0	4,357.5	4,346.9	8.9	9.0	179.14	13.5	324.7	580.8	565.5	15.21	38.192			
4,500.0	4,491.8	4,456.5	4,445.7	9.1	9.2	179.14	13.8	332.4	594.8	579.3	15.55	38.245			
4,600.0	4,591.6	4,555.5	4,544.4	9.3	9.5	179.14	14.1	340.0	608.9	593.0	15.90	38.296			
4,700.0	4,691.4	4,654.5	4,643.1	9.5	9.7	179.14	14.5	347.7	622.9	606.7	16.25	38.345			
4,800.0	4,791.2	4,753.5	4,741.8	9.7	9.9	179.14	14.8	355.4	637.0	620.4	16.59	38.392			
4,900.0	4,891.0	4,852.6	4,840.5	9.9	10.1	179.14	15.1	363.1	651.1	634.1	16.94	38.437			
5,000.0	4,990.8	4,951.6	4,939.2	10.1	10.3	179.14	15.4	370.8	665.1	647.8	17.28	38.480			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1G-19H-B2685 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,100.0	5,090.6	5,050.6	5,037.9	10.3	10.5	179.14	15.8	378.4	679.2	661.6	17.63	38.521		
5,200.0	5,190.4	5,149.6	5,136.6	10.5	10.8	179.14	16.1	386.1	693.2	675.3	17.98	38.561		
5,300.0	5,290.2	5,248.6	5,235.3	10.7	11.0	179.14	16.4	393.8	707.3	689.0	18.32	38.599		
5,400.0	5,390.0	5,347.6	5,334.0	10.9	11.2	179.14	16.7	401.5	721.4	702.7	18.67	38.636		
5,500.0	5,489.8	5,446.6	5,432.7	11.2	11.4	179.14	17.1	409.1	735.4	716.4	19.02	38.672		
5,600.0	5,589.6	5,545.6	5,531.4	11.4	11.6	179.14	17.4	416.8	749.5	730.1	19.36	38.706		
5,700.0	5,689.4	5,644.6	5,630.1	11.6	11.9	179.14	17.7	424.5	763.5	743.8	19.71	38.739		
5,800.0	5,789.2	5,743.6	5,728.9	11.8	12.1	179.14	18.0	432.2	777.6	757.6	20.06	38.771		
5,900.0	5,889.0	5,842.6	5,827.6	12.0	12.3	179.14	18.4	439.8	791.7	771.3	20.40	38.802		
6,000.0	5,988.8	5,941.6	5,926.3	12.2	12.5	179.14	18.7	447.5	805.7	785.0	20.75	38.832		
6,100.0	6,088.6	6,040.6	6,025.0	12.4	12.7	179.14	19.0	455.2	819.8	798.7	21.10	38.861		
6,200.0	6,188.4	6,139.6	6,123.7	12.6	12.9	179.13	19.3	462.9	833.9	812.4	21.44	38.889		
6,300.0	6,288.2	6,238.6	6,222.4	12.8	13.2	179.13	19.7	470.5	847.9	826.1	21.79	38.916		
6,400.0	6,388.0	6,337.7	6,321.1	13.0	13.4	179.13	20.0	478.2	862.0	839.8	22.13	38.942		
6,500.0	6,487.8	6,436.7	6,419.8	13.2	13.6	179.13	20.3	485.9	876.0	853.6	22.48	38.967		
6,600.0	6,587.6	6,535.7	6,518.5	13.4	13.8	179.13	20.6	493.6	890.1	867.3	22.83	38.992		
6,700.0	6,687.4	6,634.7	6,617.2	13.6	14.0	179.13	21.0	501.2	904.2	881.0	23.17	39.016		
6,800.0	6,787.2	6,733.7	6,715.9	13.8	14.3	179.13	21.3	508.9	918.2	894.7	23.52	39.039		
6,864.9	6,851.9	6,800.2	6,782.2	14.0	14.4	179.31	18.7	514.1	927.3	903.5	23.75	39.045		
6,900.0	6,887.0	6,836.0	6,817.7	14.0	14.5	-142.74	14.7	516.8	932.1	908.2	23.87	39.048		
6,950.0	6,936.7	6,886.8	6,867.5	14.1	14.6	-118.09	6.1	520.7	939.0	915.0	24.05	39.046		
7,000.0	6,986.0	6,937.2	6,916.3	14.3	14.7	-107.90	-6.0	524.5	945.9	921.7	24.24	39.028		
7,050.0	7,034.6	6,987.3	6,963.9	14.4	14.8	-102.37	-21.4	528.2	952.7	928.3	24.44	38.987		
7,100.0	7,082.3	7,037.2	7,010.0	14.5	14.9	-98.78	-40.0	531.8	959.4	934.7	24.66	38.911		
7,150.0	7,129.0	7,086.8	7,054.5	14.6	15.1	-96.17	-61.6	535.2	965.9	941.0	24.90	38.790		
7,200.0	7,174.2	7,136.1	7,097.1	14.7	15.2	-94.14	-86.2	538.6	972.3	947.1	25.18	38.612		
7,250.0	7,217.9	7,185.2	7,137.8	14.9	15.4	-92.46	-113.4	541.7	978.5	953.0	25.50	38.369		
7,300.0	7,259.8	7,234.1	7,176.4	15.1	15.6	-91.04	-143.3	544.7	984.4	958.6	25.87	38.051		
7,350.0	7,299.7	7,282.7	7,212.6	15.3	15.8	-89.81	-175.6	547.5	990.1	963.8	26.30	37.653		
7,400.0	7,337.5	7,331.1	7,246.5	15.5	16.0	-88.73	-210.1	550.2	995.5	968.7	26.78	37.170		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1H-19H-B2684 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	87.91	2.2	59.8	59.9					
100.0	100.0	100.0	100.0	0.2	0.2	87.91	2.2	59.8	59.9	59.6	0.30	197.168		
200.0	200.0	200.0	200.0	0.3	0.3	87.91	2.2	59.8	59.9	59.2	0.65	91.731		
300.0	300.0	300.0	300.0	0.5	0.5	87.91	2.2	59.8	59.9	58.9	1.00	59.769	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	178.79	2.2	59.8	61.6	60.3	1.35	45.635		
481.7	481.6	481.6	481.6	0.8	0.8	178.86	2.2	59.8	65.6	64.0	1.63	40.170		
500.0	499.8	499.8	499.8	0.9	0.8	178.88	2.2	59.8	66.8	65.1	1.70	39.342		
600.0	599.6	599.6	599.6	1.1	1.0	178.98	2.2	59.8	73.1	71.1	2.05	35.736		
700.0	699.4	696.7	696.7	1.3	1.2	179.05	2.3	61.5	81.1	78.8	2.39	33.948		
800.0	799.2	793.2	793.0	1.5	1.4	179.07	2.5	66.3	92.5	89.8	2.73	33.857	SF	
900.0	899.0	888.7	888.2	1.7	1.6	179.07	2.8	74.4	107.2	104.1	3.07	34.886		
1,000.0	998.8	984.2	983.1	1.9	1.8	179.05	3.3	85.5	125.1	121.7	3.41	36.648		
1,100.0	1,098.6	1,082.4	1,080.5	2.1	2.0	179.02	3.9	97.8	144.0	140.2	3.76	38.300		
1,200.0	1,198.4	1,180.7	1,178.0	2.3	2.3	179.01	4.4	110.1	162.8	158.7	4.10	39.675		
1,300.0	1,298.2	1,278.9	1,275.4	2.5	2.5	179.00	4.9	122.5	181.6	177.2	4.45	40.837		
1,400.0	1,398.0	1,377.1	1,372.8	2.7	2.8	178.98	5.5	134.8	200.5	195.7	4.79	41.832		
1,500.0	1,497.8	1,475.3	1,470.2	2.9	3.0	178.98	6.0	147.2	219.3	214.2	5.14	42.694		
1,600.0	1,597.6	1,573.5	1,567.7	3.1	3.3	178.97	6.6	159.5	238.2	232.7	5.48	43.448		
1,700.0	1,697.4	1,671.7	1,665.1	3.3	3.6	178.96	7.1	171.9	257.0	251.2	5.83	44.113		
1,800.0	1,797.2	1,769.9	1,762.5	3.5	3.8	178.96	7.7	184.2	275.8	269.7	6.17	44.704		
1,900.0	1,897.0	1,868.1	1,860.0	3.7	4.1	178.95	8.2	196.5	294.7	288.2	6.51	45.232		
2,000.0	1,996.8	1,966.3	1,957.4	3.9	4.4	178.95	8.8	208.9	313.5	306.7	6.86	45.708		
2,100.0	2,096.6	2,064.5	2,054.8	4.1	4.6	178.94	9.3	221.2	332.4	325.2	7.20	46.138		
2,200.0	2,196.4	2,162.7	2,152.2	4.3	4.9	178.94	9.8	233.6	351.2	343.7	7.55	46.529		
2,300.0	2,296.2	2,261.0	2,249.7	4.5	5.2	178.94	10.4	245.9	370.0	362.2	7.89	46.885		
2,400.0	2,396.0	2,359.2	2,347.1	4.7	5.4	178.94	10.9	258.3	388.9	380.6	8.24	47.212		
2,500.0	2,495.8	2,457.4	2,444.5	5.0	5.7	178.93	11.5	270.6	407.7	399.1	8.58	47.513		
2,600.0	2,595.6	2,555.6	2,542.0	5.2	6.0	178.93	12.0	283.0	426.6	417.6	8.93	47.791		
2,700.0	2,695.4	2,653.8	2,639.4	5.4	6.3	178.93	12.6	295.3	445.4	436.1	9.27	48.048		
2,800.0	2,795.2	2,752.0	2,736.8	5.6	6.5	178.93	13.1	307.6	464.3	454.6	9.61	48.286		
2,900.0	2,895.0	2,850.2	2,834.2	5.8	6.8	178.92	13.7	320.0	483.1	473.1	9.96	48.509		
3,000.0	2,994.8	2,948.4	2,931.7	6.0	7.1	178.92	14.2	332.3	501.9	491.6	10.30	48.716		
3,100.0	3,094.6	3,046.6	3,029.1	6.2	7.4	178.92	14.7	344.7	520.8	510.1	10.65	48.910		
3,200.0	3,194.4	3,144.8	3,126.5	6.4	7.6	178.92	15.3	357.0	539.6	528.6	10.99	49.092		
3,300.0	3,294.2	3,243.0	3,224.0	6.6	7.9	178.92	15.8	369.4	558.5	547.1	11.34	49.262		
3,400.0	3,394.0	3,341.3	3,321.4	6.8	8.2	178.92	16.4	381.7	577.3	565.6	11.68	49.423		
3,500.0	3,493.8	3,439.5	3,418.8	7.0	8.5	178.92	16.9	394.1	596.1	584.1	12.03	49.575		
3,600.0	3,593.6	3,537.7	3,516.2	7.2	8.7	178.92	17.5	406.4	615.0	602.6	12.37	49.718		
3,700.0	3,693.4	3,635.9	3,613.7	7.4	9.0	178.91	18.0	418.7	633.8	621.1	12.71	49.853		
3,800.0	3,793.2	3,734.1	3,711.1	7.6	9.3	178.91	18.5	431.1	652.7	639.6	13.06	49.981		
3,900.0	3,893.0	3,832.3	3,808.5	7.8	9.6	178.91	19.1	443.4	671.5	658.1	13.40	50.103		
4,000.0	3,992.8	3,930.5	3,906.0	8.1	9.8	178.91	19.6	455.8	690.3	676.6	13.75	50.218		
4,100.0	4,092.6	4,028.7	4,003.4	8.3	10.1	178.91	20.2	468.1	709.2	695.1	14.09	50.328		
4,200.0	4,192.4	4,126.9	4,100.8	8.5	10.4	178.91	20.7	480.5	728.0	713.6	14.44	50.433		
4,300.0	4,292.2	4,225.1	4,198.2	8.7	10.7	178.91	21.3	492.8	746.9	732.1	14.78	50.533		
4,400.0	4,392.0	4,323.3	4,295.7	8.9	10.9	178.91	21.8	505.1	765.7	750.6	15.12	50.628		
4,500.0	4,491.8	4,421.6	4,393.1	9.1	11.2	178.91	22.4	517.5	784.6	769.1	15.47	50.719		
4,600.0	4,591.6	4,519.8	4,490.5	9.3	11.5	178.91	22.9	529.8	803.4	787.6	15.81	50.806		
4,700.0	4,691.4	4,618.0	4,588.0	9.5	11.8	178.91	23.4	542.2	822.2	806.1	16.16	50.889		
4,800.0	4,791.2	4,716.2	4,685.4	9.7	12.0	178.91	24.0	554.5	841.1	824.6	16.50	50.969		
4,900.0	4,891.0	4,814.4	4,782.8	9.9	12.3	178.91	24.5	566.9	859.9	843.1	16.85	51.046		
5,000.0	4,990.8	4,912.6	4,880.2	10.1	12.6	178.91	25.1	579.2	878.8	861.6	17.19	51.119		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1H-19H-B2684 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	5,090.6	5,010.8	4,977.7	10.3	12.9	178.91	25.6	591.6	897.6	880.1	17.53	51.190		
5,200.0	5,190.4	5,109.0	5,075.1	10.5	13.1	178.90	26.2	603.9	916.4	898.6	17.88	51.258		
5,300.0	5,290.2	5,207.2	5,172.5	10.7	13.4	178.90	26.7	616.2	935.3	917.1	18.22	51.323		
5,400.0	5,390.0	5,305.4	5,270.0	10.9	13.7	178.90	27.3	628.6	954.1	935.6	18.57	51.386		
5,500.0	5,489.8	5,403.6	5,367.4	11.2	14.0	178.90	27.8	640.9	973.0	954.1	18.91	51.447		
5,600.0	5,589.6	5,501.9	5,464.8	11.4	14.3	178.90	28.3	653.3	991.8	972.6	19.26	51.505		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1I-19H-B2683 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	87.91	2.5	69.9	70.0						
100.0	100.0	100.0	100.0	0.2	0.2	87.91	2.5	69.9	70.0	69.6	0.30	230.336			
200.0	200.0	200.0	200.0	0.3	0.3	87.91	2.5	69.9	70.0	69.3	0.65	107.162			
300.0	300.0	300.0	300.0	0.5	0.5	87.91	2.5	69.9	70.0	68.9	1.00	69.823 CC, ES			
400.0	400.0	400.0	400.0	0.7	0.7	178.79	2.5	69.9	71.7	70.3	1.35	53.094			
481.7	481.6	481.6	481.6	0.8	0.8	178.86	2.5	69.9	75.7	74.1	1.63	46.335			
500.0	499.8	499.8	499.8	0.9	0.8	178.87	2.5	69.9	76.9	75.2	1.70	45.275			
600.0	599.6	596.8	596.8	1.1	1.0	178.94	2.6	71.5	84.9	82.8	2.04	41.582			
700.0	699.4	693.1	693.0	1.3	1.2	178.98	2.8	76.4	96.3	93.9	2.38	40.384 SF			
800.0	799.2	788.6	788.1	1.5	1.4	178.99	3.2	84.4	111.0	108.2	2.72	40.730			
900.0	899.0	883.0	881.9	1.7	1.6	178.98	3.7	95.4	128.9	125.9	3.06	42.095			
1,000.0	998.8	979.4	977.3	1.9	1.9	178.96	4.3	109.2	149.4	146.0	3.40	43.889			
1,100.0	1,098.6	1,077.3	1,074.1	2.1	2.1	178.94	4.9	123.3	170.1	166.3	3.75	45.376			
1,200.0	1,198.4	1,175.1	1,170.9	2.3	2.4	178.93	5.5	137.4	190.7	186.6	4.09	46.614			
1,300.0	1,298.2	1,272.9	1,267.7	2.5	2.7	178.92	6.1	151.5	211.4	207.0	4.44	47.661			
1,400.0	1,398.0	1,370.8	1,364.6	2.7	3.0	178.91	6.8	165.6	232.1	227.3	4.78	48.557			
1,500.0	1,497.8	1,468.6	1,461.4	2.9	3.3	178.91	7.4	179.7	252.7	247.6	5.12	49.334			
1,600.0	1,597.6	1,566.5	1,558.2	3.1	3.6	178.90	8.0	193.8	273.4	267.9	5.47	50.013			
1,700.0	1,697.4	1,664.3	1,655.0	3.3	3.9	178.90	8.6	207.9	294.1	288.2	5.81	50.612			
1,800.0	1,797.2	1,762.1	1,751.8	3.5	4.1	178.89	9.2	221.9	314.7	308.6	6.15	51.145			
1,900.0	1,897.0	1,860.0	1,848.7	3.7	4.4	178.89	9.9	236.0	335.4	328.9	6.50	51.621			
2,000.0	1,996.8	1,957.8	1,945.5	3.9	4.7	178.89	10.5	250.1	356.0	349.2	6.84	52.050			
2,100.0	2,096.6	2,055.7	2,042.3	4.1	5.0	178.88	11.1	264.2	376.7	369.5	7.18	52.437			
2,200.0	2,196.4	2,153.5	2,139.1	4.3	5.3	178.88	11.7	278.3	397.4	389.8	7.53	52.790			
2,300.0	2,296.2	2,251.4	2,235.9	4.5	5.6	178.88	12.3	292.4	418.0	410.2	7.87	53.111			
2,400.0	2,396.0	2,349.2	2,332.8	4.7	5.9	178.88	13.0	306.5	438.7	430.5	8.21	53.406			
2,500.0	2,495.8	2,447.0	2,429.6	5.0	6.2	178.87	13.6	320.6	459.4	450.8	8.56	53.677			
2,600.0	2,595.6	2,544.9	2,526.4	5.2	6.5	178.87	14.2	334.7	480.0	471.1	8.90	53.928			
2,700.0	2,695.4	2,642.7	2,623.2	5.4	6.8	178.87	14.8	348.8	500.7	491.4	9.24	54.159			
2,800.0	2,795.2	2,740.6	2,720.0	5.6	7.1	178.87	15.5	362.9	521.4	511.8	9.59	54.375			
2,900.0	2,895.0	2,838.4	2,816.8	5.8	7.4	178.87	16.1	377.0	542.0	532.1	9.93	54.575			
3,000.0	2,994.8	2,936.2	2,913.7	6.0	7.7	178.87	16.7	391.1	562.7	552.4	10.28	54.762			
3,100.0	3,094.6	3,034.1	3,010.5	6.2	8.0	178.87	17.3	405.2	583.3	572.7	10.62	54.937			
3,200.0	3,194.4	3,131.9	3,107.3	6.4	8.3	178.86	17.9	419.3	604.0	593.0	10.96	55.101			
3,300.0	3,294.2	3,229.8	3,204.1	6.6	8.6	178.86	18.6	433.4	624.7	613.4	11.31	55.254			
3,400.0	3,394.0	3,327.6	3,300.9	6.8	8.9	178.86	19.2	447.5	645.3	633.7	11.65	55.399			
3,500.0	3,493.8	3,425.5	3,397.8	7.0	9.2	178.86	19.8	461.6	666.0	654.0	11.99	55.536			
3,600.0	3,593.6	3,523.3	3,494.6	7.2	9.5	178.86	20.4	475.7	686.7	674.3	12.34	55.665			
3,700.0	3,693.4	3,621.1	3,591.4	7.4	9.8	178.86	21.0	489.8	707.3	694.6	12.68	55.787			
3,800.0	3,793.2	3,719.0	3,688.2	7.6	10.1	178.86	21.7	503.9	728.0	715.0	13.02	55.903			
3,900.0	3,893.0	3,816.8	3,785.0	7.8	10.4	178.86	22.3	518.0	748.7	735.3	13.37	56.012			
4,000.0	3,992.8	3,914.7	3,881.8	8.1	10.7	178.86	22.9	532.1	769.3	755.6	13.71	56.117			
4,100.0	4,092.6	4,012.5	3,978.7	8.3	11.0	178.86	23.5	546.2	790.0	775.9	14.05	56.216			
4,200.0	4,192.4	4,110.3	4,075.5	8.5	11.3	178.86	24.1	560.3	810.6	796.2	14.40	56.310			
4,300.0	4,292.2	4,208.2	4,172.3	8.7	11.6	178.86	24.8	574.4	831.3	816.6	14.74	56.400			
4,400.0	4,392.0	4,306.0	4,269.1	8.9	11.9	178.86	25.4	588.5	852.0	836.9	15.08	56.486			
4,500.0	4,491.8	4,403.9	4,365.9	9.1	12.2	178.85	26.0	602.6	872.6	857.2	15.43	56.568			
4,600.0	4,591.6	4,501.7	4,462.8	9.3	12.5	178.85	26.6	616.7	893.3	877.5	15.77	56.647			
4,700.0	4,691.4	4,599.6	4,559.6	9.5	12.8	178.85	27.2	630.8	914.0	897.8	16.11	56.722			
4,800.0	4,791.2	4,697.4	4,656.4	9.7	13.1	178.85	27.9	644.9	934.6	918.2	16.46	56.794			
4,900.0	4,891.0	4,795.2	4,753.2	9.9	13.4	178.85	28.5	659.0	955.3	938.5	16.80	56.863			
5,000.0	4,990.8	4,893.1	4,850.0	10.1	13.7	178.85	29.1	673.1	976.0	958.8	17.14	56.929			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1I-19H-B2683 - Hz - Plan #2		Offset Site Error:		0.0 ft	
Survey Program:												0-Geolink MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
5,100.0	5,090.6	4,990.9	4,946.9	10.3	14.0	178.85	29.7	687.2	996.6	979.1	17.49	56.993					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1J-19H-B2682 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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	87.92	2.9	80.0	80.0					
100.0	100.0	100.0	100.0	0.2	0.2	87.92	2.9	80.0	80.0	79.7	0.30	263.504		
200.0	200.0	200.0	200.0	0.3	0.3	87.92	2.9	80.0	80.0	79.4	0.65	122.593		
300.0	300.0	300.0	300.0	0.5	0.5	87.92	2.9	80.0	80.0	79.0	1.00	79.878 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	178.79	2.9	80.0	81.8	80.4	1.35	60.553		
481.7	481.6	479.2	479.2	0.8	0.8	178.84	3.0	81.1	86.9	85.3	1.63	53.327		
500.0	499.8	496.9	496.8	0.9	0.8	178.85	3.0	81.6	88.6	86.9	1.69	52.364		
600.0	599.6	593.1	592.9	1.1	1.0	178.91	3.2	86.5	100.0	98.0	2.03	49.152		
700.0	699.4	688.4	687.9	1.3	1.2	178.95	3.5	94.5	114.7	112.3	2.37	48.294 SF		
800.0	799.2	782.7	781.6	1.5	1.5	178.97	3.9	105.5	132.7	129.9	2.71	48.893		
900.0	899.0	875.8	873.6	1.7	1.7	178.97	4.5	119.4	153.8	150.8	3.05	50.451		
1,000.0	998.8	970.1	966.4	1.9	2.0	178.97	5.1	136.1	177.8	174.4	3.39	52.504		
1,100.0	1,098.6	1,067.1	1,061.8	2.1	2.3	178.97	5.8	153.8	202.2	198.5	3.73	54.243		
1,200.0	1,198.4	1,164.0	1,157.1	2.3	2.7	178.97	6.5	171.5	226.7	222.6	4.07	55.691		
1,300.0	1,298.2	1,261.0	1,252.4	2.5	3.0	178.97	7.2	189.1	251.1	246.7	4.41	56.917		
1,400.0	1,398.0	1,358.0	1,347.8	2.7	3.4	178.96	7.9	206.8	275.5	270.8	4.75	57.967		
1,500.0	1,497.8	1,455.0	1,443.1	2.9	3.7	178.96	8.6	224.5	299.9	294.8	5.09	58.876		
1,600.0	1,597.6	1,551.9	1,538.5	3.1	4.0	178.96	9.3	242.1	324.4	318.9	5.44	59.672		
1,700.0	1,697.4	1,648.9	1,633.8	3.3	4.4	178.96	10.0	259.8	348.8	343.0	5.78	60.374		
1,800.0	1,797.2	1,745.9	1,729.2	3.5	4.7	178.96	10.7	277.5	373.2	367.1	6.12	60.998		
1,900.0	1,897.0	1,842.8	1,824.5	3.7	5.1	178.96	11.4	295.1	397.7	391.2	6.46	61.557		
2,000.0	1,996.8	1,939.8	1,919.9	3.9	5.4	178.96	12.1	312.8	422.1	415.3	6.80	62.059		
2,100.0	2,096.6	2,036.8	2,015.2	4.1	5.8	178.96	12.8	330.5	446.5	439.4	7.14	62.514		
2,200.0	2,196.4	2,133.8	2,110.6	4.3	6.1	178.96	13.5	348.1	470.9	463.4	7.48	62.927		
2,300.0	2,296.2	2,230.7	2,205.9	4.5	6.5	178.96	14.1	365.8	495.4	487.5	7.83	63.304		
2,400.0	2,396.0	2,327.7	2,301.2	4.7	6.9	178.96	14.8	383.5	519.8	511.6	8.17	63.650		
2,500.0	2,495.8	2,424.7	2,396.6	5.0	7.2	178.96	15.5	401.2	544.2	535.7	8.51	63.968		
2,600.0	2,595.6	2,521.6	2,491.9	5.2	7.6	178.96	16.2	418.8	568.6	559.8	8.85	64.262		
2,700.0	2,695.4	2,618.6	2,587.3	5.4	7.9	178.96	16.9	436.5	593.1	583.9	9.19	64.534		
2,800.0	2,795.2	2,715.6	2,682.6	5.6	8.3	178.96	17.6	454.2	617.5	608.0	9.53	64.787		
2,900.0	2,895.0	2,812.5	2,778.0	5.8	8.6	178.96	18.3	471.8	641.9	632.1	9.87	65.022		
3,000.0	2,994.8	2,909.5	2,873.3	6.0	9.0	178.96	19.0	489.5	666.4	656.1	10.21	65.241		
3,100.0	3,094.6	3,006.5	2,968.7	6.2	9.3	178.96	19.7	507.2	690.8	680.2	10.55	65.447		
3,200.0	3,194.4	3,103.5	3,064.0	6.4	9.7	178.96	20.4	524.8	715.2	704.3	10.90	65.639		
3,300.0	3,294.2	3,200.4	3,159.3	6.6	10.0	178.96	21.1	542.5	739.6	728.4	11.24	65.820		
3,400.0	3,394.0	3,297.4	3,254.7	6.8	10.4	178.96	21.8	560.2	764.1	752.5	11.58	65.990		
3,500.0	3,493.8	3,394.4	3,350.0	7.0	10.8	178.96	22.5	577.8	788.5	776.6	11.92	66.150		
3,600.0	3,593.6	3,491.3	3,445.4	7.2	11.1	178.96	23.2	595.5	812.9	800.7	12.26	66.302		
3,700.0	3,693.4	3,588.3	3,540.7	7.4	11.5	178.96	23.9	613.2	837.4	824.8	12.60	66.445		
3,800.0	3,793.2	3,685.3	3,636.1	7.6	11.8	178.96	24.6	630.8	861.8	848.8	12.94	66.581		
3,900.0	3,893.0	3,782.3	3,731.4	7.8	12.2	178.96	25.3	648.5	886.2	872.9	13.28	66.710		
4,000.0	3,992.8	3,879.2	3,826.8	8.1	12.5	178.96	26.0	666.2	910.6	897.0	13.63	66.832		
4,100.0	4,092.6	3,976.2	3,922.1	8.3	12.9	178.96	26.6	683.9	935.1	921.1	13.97	66.949		
4,200.0	4,192.4	4,073.2	4,017.4	8.5	13.2	178.96	27.3	701.5	959.5	945.2	14.31	67.060		
4,300.0	4,292.2	4,170.1	4,112.8	8.7	13.6	178.96	28.0	719.2	983.9	969.3	14.65	67.165		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1K-19H-B2681 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (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	87.91	3.3	89.8	89.8					
100.0	100.0	100.0	100.0	0.2	0.2	87.91	3.3	89.8	89.8	89.5	0.30	295.752		
200.0	200.0	200.0	200.0	0.3	0.3	87.91	3.3	89.8	89.8	89.2	0.65	137.596		
300.0	300.0	300.0	300.0	0.5	0.5	87.91	3.3	89.8	89.8	88.8	1.00	89.653 CC, ES		
400.0	400.0	396.8	396.8	0.7	0.7	178.78	3.3	91.4	93.3	91.9	1.34	69.339		
481.7	481.6	475.5	475.4	0.8	0.8	178.83	3.5	95.1	101.1	99.5	1.62	62.312		
500.0	499.8	493.0	492.9	0.9	0.9	178.84	3.5	96.3	103.5	101.8	1.69	61.385		
600.0	599.6	588.3	587.8	1.1	1.1	178.90	3.8	104.2	118.2	116.1	2.03	58.328		
700.0	699.4	682.5	681.3	1.3	1.3	178.94	4.2	115.2	136.1	133.7	2.36	57.581 SF		
800.0	799.2	775.4	773.3	1.5	1.6	178.96	4.7	129.1	157.3	154.6	2.70	58.261		
900.0	899.0	867.0	863.3	1.7	1.9	178.98	5.3	145.7	181.6	178.5	3.03	59.879		
1,000.0	998.8	961.2	955.5	1.9	2.2	178.99	6.0	165.0	208.3	204.9	3.37	61.833		
1,100.0	1,098.6	1,057.5	1,049.7	2.1	2.6	179.00	6.7	185.1	235.3	231.6	3.71	63.430		
1,200.0	1,198.4	1,153.8	1,143.9	2.3	3.0	179.01	7.4	205.1	262.2	258.2	4.05	64.761		
1,300.0	1,298.2	1,250.1	1,238.1	2.5	3.4	179.01	8.1	225.1	289.2	284.8	4.39	65.887		
1,400.0	1,398.0	1,346.4	1,332.3	2.7	3.8	179.02	8.9	245.1	316.1	311.4	4.73	66.852		
1,500.0	1,497.8	1,442.7	1,426.5	2.9	4.1	179.02	9.6	265.1	343.1	338.0	5.07	67.688		
1,600.0	1,597.6	1,539.0	1,520.7	3.1	4.5	179.02	10.3	285.1	370.0	364.6	5.41	68.420		
1,700.0	1,697.4	1,635.3	1,614.9	3.3	4.9	179.03	11.0	305.2	397.0	391.2	5.75	69.066		
1,800.0	1,797.2	1,731.6	1,709.1	3.5	5.3	179.03	11.7	325.2	423.9	417.9	6.09	69.640		
1,900.0	1,897.0	1,827.9	1,803.2	3.7	5.7	179.03	12.5	345.2	450.9	444.5	6.43	70.154		
2,000.0	1,996.8	1,924.2	1,897.4	3.9	6.1	179.03	13.2	365.2	477.9	471.1	6.77	70.616		
2,100.0	2,096.6	2,020.5	1,991.6	4.1	6.5	179.04	13.9	385.2	504.8	497.7	7.11	71.035		
2,200.0	2,196.4	2,116.8	2,085.8	4.3	6.9	179.04	14.6	405.2	531.8	524.3	7.45	71.415		
2,300.0	2,296.2	2,213.1	2,180.0	4.5	7.3	179.04	15.3	425.3	558.7	550.9	7.79	71.762		
2,400.0	2,396.0	2,309.4	2,274.2	4.7	7.6	179.04	16.1	445.3	585.7	577.5	8.13	72.081		
2,500.0	2,495.8	2,405.7	2,368.4	5.0	8.0	179.04	16.8	465.3	612.6	604.2	8.46	72.374		
2,600.0	2,595.6	2,502.0	2,462.6	5.2	8.4	179.04	17.5	485.3	639.6	630.8	8.80	72.644		
2,700.0	2,695.4	2,598.3	2,556.8	5.4	8.8	179.04	18.2	505.3	666.5	657.4	9.14	72.894		
2,800.0	2,795.2	2,694.6	2,651.0	5.6	9.2	179.04	18.9	525.3	693.5	684.0	9.48	73.127		
2,900.0	2,895.0	2,790.9	2,745.2	5.8	9.6	179.05	19.7	545.3	720.4	710.6	9.82	73.343		
3,000.0	2,994.8	2,887.2	2,839.4	6.0	10.0	179.05	20.4	565.4	747.4	737.2	10.16	73.546		
3,100.0	3,094.6	2,983.5	2,933.6	6.2	10.4	179.05	21.1	585.4	774.4	763.9	10.50	73.735		
3,200.0	3,194.4	3,079.8	3,027.8	6.4	10.8	179.05	21.8	605.4	801.3	790.5	10.84	73.912		
3,300.0	3,294.2	3,176.1	3,121.9	6.6	11.2	179.05	22.5	625.4	828.3	817.1	11.18	74.078		
3,400.0	3,394.0	3,272.4	3,216.1	6.8	11.6	179.05	23.3	645.4	855.2	843.7	11.52	74.235		
3,500.0	3,493.8	3,368.7	3,310.3	7.0	12.0	179.05	24.0	665.4	882.2	870.3	11.86	74.383		
3,600.0	3,593.6	3,465.0	3,404.5	7.2	12.4	179.05	24.7	685.5	909.1	896.9	12.20	74.523		
3,700.0	3,693.4	3,561.3	3,498.7	7.4	12.8	179.05	25.4	705.5	936.1	923.5	12.54	74.655		
3,800.0	3,793.2	3,657.6	3,592.9	7.6	13.2	179.05	26.1	725.5	963.0	950.2	12.88	74.780		
3,900.0	3,893.0	3,753.9	3,687.1	7.8	13.5	179.05	26.8	745.5	990.0	976.8	13.22	74.898		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1L-19H-B268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	87.91	3.6	99.8	99.9					
100.0	100.0	100.0	100.0	0.2	0.2	87.91	3.6	99.8	99.9	99.6	0.30	328.920		
200.0	200.0	200.0	200.0	0.3	0.3	87.91	3.6	99.8	99.9	99.2	0.65	153.027 CC, ES		
300.0	300.0	296.6	296.6	0.5	0.5	87.91	3.7	101.4	101.6	100.6	1.00	101.632		
400.0	400.0	392.8	392.7	0.7	0.7	178.77	3.9	106.3	108.4	107.0	1.34	81.009		
481.7	481.6	470.7	470.3	0.8	0.9	178.80	4.1	112.6	119.0	117.3	1.61	73.692		
500.0	499.8	488.1	487.6	0.9	0.9	178.81	4.2	114.3	121.9	120.2	1.68	72.711		
600.0	599.6	582.2	581.0	1.1	1.1	178.84	4.6	125.3	139.8	137.8	2.01	69.424		
700.0	699.4	675.0	672.9	1.3	1.4	178.86	5.2	139.1	161.0	158.6	2.35	68.514 SF		
800.0	799.2	766.5	762.8	1.5	1.8	178.88	5.8	155.6	185.3	182.6	2.68	69.071		
900.0	899.0	856.5	850.7	1.7	2.1	178.88	6.6	174.7	212.6	209.6	3.01	70.592		
1,000.0	998.8	947.9	939.5	1.9	2.5	178.89	7.4	196.5	242.7	239.3	3.34	72.585		
1,100.0	1,098.6	1,043.1	1,031.8	2.1	3.0	178.89	8.3	219.8	273.2	269.5	3.68	74.229		
1,200.0	1,198.4	1,138.3	1,124.1	2.3	3.4	178.89	9.2	243.1	303.8	299.7	4.02	75.600		
1,300.0	1,298.2	1,233.5	1,216.5	2.5	3.8	178.89	10.1	266.4	334.3	330.0	4.36	76.760		
1,400.0	1,398.0	1,328.8	1,308.8	2.7	4.3	178.89	11.0	289.6	364.9	360.2	4.69	77.755		
1,500.0	1,497.8	1,424.0	1,401.1	2.9	4.7	178.89	12.0	312.9	395.4	390.4	5.03	78.618		
1,600.0	1,597.6	1,519.2	1,493.4	3.1	5.2	178.89	12.9	336.2	426.0	420.6	5.37	79.373		
1,700.0	1,697.4	1,614.4	1,585.8	3.3	5.6	178.89	13.8	359.4	456.5	450.8	5.70	80.040		
1,800.0	1,797.2	1,709.6	1,678.1	3.5	6.1	178.89	14.7	382.7	487.1	481.0	6.04	80.632		
1,900.0	1,897.0	1,804.8	1,770.4	3.7	6.5	178.89	15.6	406.0	517.6	511.3	6.38	81.162		
2,000.0	1,996.8	1,900.1	1,862.7	3.9	6.9	178.89	16.5	429.3	548.2	541.5	6.71	81.640		
2,100.0	2,096.6	1,995.3	1,955.1	4.1	7.4	178.89	17.4	452.5	578.7	571.7	7.05	82.072		
2,200.0	2,196.4	2,090.5	2,047.4	4.3	7.8	178.89	18.3	475.8	609.3	601.9	7.39	82.465		
2,300.0	2,296.2	2,185.7	2,139.7	4.5	8.3	178.89	19.2	499.1	639.8	632.1	7.73	82.824		
2,400.0	2,396.0	2,280.9	2,232.0	4.7	8.7	178.89	20.1	522.4	670.4	662.3	8.06	83.153		
2,500.0	2,495.8	2,376.2	2,324.4	5.0	9.2	178.89	21.0	545.6	701.0	692.6	8.40	83.456		
2,600.0	2,595.6	2,471.4	2,416.7	5.2	9.6	178.89	21.9	568.9	731.5	722.8	8.74	83.735		
2,700.0	2,695.4	2,566.6	2,509.0	5.4	10.1	178.89	22.8	592.2	762.1	753.0	9.07	83.994		
2,800.0	2,795.2	2,661.8	2,601.4	5.6	10.5	178.89	23.8	615.4	792.6	783.2	9.41	84.235		
2,900.0	2,895.0	2,757.0	2,693.7	5.8	11.0	178.89	24.7	638.7	823.2	813.4	9.75	84.458		
3,000.0	2,994.8	2,852.2	2,786.0	6.0	11.4	178.89	25.6	662.0	853.7	843.6	10.08	84.667		
3,100.0	3,094.6	2,947.5	2,878.3	6.2	11.9	178.89	26.5	685.3	884.3	873.9	10.42	84.863		
3,200.0	3,194.4	3,042.7	2,970.7	6.4	12.3	178.89	27.4	708.5	914.8	904.1	10.76	85.046		
3,300.0	3,294.2	3,137.9	3,063.0	6.6	12.8	178.89	28.3	731.8	945.4	934.3	11.09	85.219		
3,400.0	3,394.0	3,233.1	3,155.3	6.8	13.2	178.89	29.2	755.1	975.9	964.5	11.43	85.381		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER 4-4-19 - ENCANA - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 744-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
8,900.0	7,566.0	7,623.7	7,575.4	33.8	18.2	90.11	-2,552.7	-747.7	964.8	916.5	48.36	19.950		
9,000.0	7,566.0	7,623.5	7,575.2	35.4	18.2	90.08	-2,552.7	-747.7	870.1	820.1	49.99	17.404		
9,100.0	7,566.0	7,623.3	7,575.0	37.0	18.2	90.04	-2,552.7	-747.7	776.6	725.0	51.63	15.041		
9,200.0	7,566.0	7,623.1	7,574.8	38.6	18.2	90.01	-2,552.7	-747.7	685.0	631.7	53.28	12.856		
9,300.0	7,566.0	7,623.0	7,574.6	40.2	18.2	89.97	-2,552.7	-747.6	596.0	541.1	54.94	10.849		
9,400.0	7,566.0	7,622.8	7,574.5	41.8	18.2	89.93	-2,552.7	-747.6	511.2	454.6	56.61	9.031		
9,500.0	7,566.0	7,622.6	7,574.3	43.5	18.2	89.90	-2,552.7	-747.6	432.9	374.7	58.28	7.429		
9,600.0	7,566.0	7,622.4	7,574.1	45.1	18.2	89.86	-2,552.7	-747.6	365.4	305.4	59.96	6.094		
9,700.0	7,566.0	7,622.2	7,573.9	46.8	18.2	89.82	-2,552.7	-747.6	315.6	254.0	61.64	5.120		
9,800.0	7,566.0	7,622.0	7,573.7	48.5	18.2	89.79	-2,552.7	-747.6	292.7	229.4	63.33	4.622		
9,819.6	7,566.0	7,622.0	7,573.7	48.8	18.2	89.78	-2,552.7	-747.6	292.1	228.4	63.67	4.587 CC, ES, SF		
9,900.0	7,566.0	7,621.8	7,573.5	50.1	18.2	89.75	-2,552.7	-747.6	302.9	237.9	65.03	4.658		
10,000.0	7,566.0	7,621.6	7,573.3	51.8	18.2	89.71	-2,552.7	-747.6	343.3	276.6	66.73	5.145		
10,100.0	7,566.0	7,621.4	7,573.1	53.5	18.2	89.67	-2,552.7	-747.6	404.9	336.5	68.43	5.917		
10,200.0	7,566.0	7,621.2	7,572.9	55.2	18.2	89.63	-2,552.7	-747.6	479.6	409.5	70.14	6.838		
10,300.0	7,566.0	7,621.0	7,572.7	56.9	18.2	89.59	-2,552.7	-747.6	562.2	490.4	71.84	7.826		
10,400.0	7,566.0	7,620.8	7,572.5	58.6	18.2	89.55	-2,552.7	-747.6	649.8	576.2	73.55	8.834		
10,500.0	7,566.0	7,620.6	7,572.3	60.3	18.2	89.51	-2,552.7	-747.6	740.5	665.2	75.27	9.838		
10,600.0	7,566.0	7,620.4	7,572.1	62.0	18.2	89.47	-2,552.7	-747.6	833.3	756.3	76.98	10.824		
10,700.0	7,566.0	7,620.2	7,571.9	63.7	18.2	89.43	-2,552.7	-747.6	927.6	848.9	78.70	11.786		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 31-19 - ENCANA - GYRO													Offset Site Error: 0.0 ft	
Survey Program: 100-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-154.44	-706.3	-337.8	783.0					
100.0	100.0	88.9	88.9	0.2	0.2	-154.47	-706.8	-337.6	783.3	783.0	0.31	2,547.962		
200.0	200.0	186.7	186.7	0.3	0.3	-154.53	-707.9	-337.1	784.1	783.4	0.65	1,200.066		
300.0	300.0	287.0	287.0	0.5	0.5	-154.59	-709.0	-336.8	785.0	784.0	1.00	782.179		
400.0	400.0	391.1	391.1	0.7	0.7	-63.89	-709.8	-336.8	784.9	783.5	1.36	576.531		
481.7	481.6	472.8	472.8	0.8	0.8	-64.18	-710.1	-336.9	783.4	781.8	1.66	473.285		
500.0	499.8	491.0	491.0	0.9	0.9	-64.26	-710.2	-336.9	783.0	781.3	1.72	454.764		
600.0	599.6	593.1	593.0	1.1	1.0	-64.69	-710.4	-337.0	780.5	778.4	2.09	373.172		
700.0	699.4	689.9	689.9	1.3	1.2	-65.06	-710.4	-337.5	778.0	775.6	2.46	316.902		
800.0	799.2	790.1	790.1	1.5	1.4	-65.43	-710.5	-338.4	775.8	773.0	2.83	274.442		
900.0	899.0	890.2	890.1	1.7	1.6	-65.77	-710.4	-339.6	773.6	770.4	3.20	241.745		
1,000.0	998.8	988.5	988.5	1.9	1.7	-66.08	-710.2	-341.2	771.5	767.9	3.57	215.996		
1,100.0	1,098.6	1,088.2	1,088.2	2.1	1.9	-66.37	-710.0	-343.2	769.5	765.5	3.95	194.956		
1,200.0	1,198.4	1,187.3	1,187.2	2.3	2.1	-66.63	-709.7	-345.6	767.6	763.3	4.32	177.567		
1,300.0	1,298.2	1,289.1	1,289.0	2.5	2.3	-66.86	-709.2	-348.3	765.7	760.9	4.70	162.744		
1,400.0	1,398.0	1,388.3	1,388.1	2.7	2.4	-67.08	-708.5	-351.1	763.6	758.5	5.08	150.229		
1,500.0	1,497.8	1,493.5	1,493.3	2.9	2.6	-67.31	-707.5	-354.1	761.4	755.9	5.47	139.109		
1,600.0	1,597.6	1,585.6	1,585.3	3.1	2.8	-67.49	-706.6	-357.0	759.2	753.4	5.84	129.969		
1,700.0	1,697.4	1,679.6	1,679.2	3.3	3.0	-67.64	-706.4	-360.7	758.0	751.8	6.22	121.965		
1,800.0	1,797.2	1,779.6	1,779.1	3.5	3.2	-67.75	-706.4	-365.4	757.3	750.7	6.60	114.713		
1,900.0	1,897.0	1,873.8	1,873.2	3.7	3.3	-67.84	-706.4	-370.1	756.8	749.8	6.98	108.441		
1,903.2	1,900.2	1,876.7	1,876.1	3.7	3.3	-67.84	-706.5	-370.3	756.8	749.8	6.99	108.255		
2,000.0	1,996.8	1,972.6	1,971.9	3.9	3.5	-67.93	-707.1	-375.3	756.9	749.6	7.37	102.771		
2,100.0	2,096.6	2,070.0	2,069.2	4.1	3.7	-68.01	-707.8	-380.5	757.2	749.4	7.75	97.699		
2,200.0	2,196.4	2,167.3	2,166.3	4.3	3.9	-68.11	-709.0	-385.8	757.8	749.7	8.13	93.159		
2,300.0	2,296.2	2,266.0	2,264.8	4.5	4.1	-68.19	-710.3	-391.3	758.8	750.2	8.52	89.011		
2,400.0	2,396.0	2,361.5	2,360.1	4.7	4.3	-68.25	-711.8	-397.0	760.0	751.1	8.91	85.318		
2,500.0	2,495.8	2,462.8	2,461.2	5.0	4.5	-68.34	-713.9	-403.0	761.7	752.4	9.30	81.872		
2,600.0	2,595.6	2,565.8	2,564.0	5.2	4.7	-68.38	-715.3	-409.4	762.8	753.1	9.71	78.601		
2,700.0	2,695.4	2,664.1	2,662.1	5.4	4.9	-68.40	-716.4	-415.8	763.9	753.8	10.10	75.644		
2,800.0	2,795.2	2,758.7	2,756.5	5.6	5.1	-68.42	-718.0	-422.0	765.4	755.0	10.48	73.012		
2,900.0	2,895.0	2,858.5	2,856.1	5.8	5.3	-68.47	-720.3	-428.5	767.6	756.7	10.88	70.540		
3,000.0	2,994.8	2,957.6	2,954.9	6.0	5.5	-68.46	-722.1	-435.6	769.5	758.2	11.28	68.221		
3,100.0	3,094.6	3,057.4	3,054.4	6.2	5.7	-68.46	-724.3	-442.7	771.7	760.0	11.68	66.075		
3,200.0	3,194.4	3,160.3	3,157.0	6.4	5.9	-68.42	-726.0	-450.3	773.6	761.5	12.09	63.995		
3,300.0	3,294.2	3,258.3	3,254.7	6.6	6.1	-68.35	-727.4	-458.0	775.3	762.9	12.49	62.081		
3,400.0	3,394.0	3,358.6	3,354.7	6.8	6.3	-68.27	-729.1	-466.2	777.5	764.6	12.90	60.281		
3,500.0	3,493.8	3,456.0	3,451.7	7.0	6.5	-68.17	-730.4	-474.3	779.4	766.1	13.30	58.614		
3,600.0	3,593.6	3,554.1	3,549.5	7.2	6.7	-68.13	-732.7	-481.9	781.9	768.3	13.70	57.095		
3,700.0	3,693.4	3,658.8	3,653.9	7.4	7.0	-68.13	-735.0	-489.4	784.2	770.1	14.10	55.604		
3,800.0	3,793.2	3,763.1	3,758.0	7.6	7.2	-68.20	-737.0	-495.7	785.8	771.3	14.51	54.165		
3,900.0	3,893.0	3,865.0	3,859.7	7.8	7.4	-68.30	-738.8	-501.3	787.0	772.1	14.91	52.801		
4,000.0	3,992.8	3,962.8	3,957.4	8.1	7.6	-68.43	-740.6	-506.2	788.2	772.9	15.29	51.537		
4,100.0	4,092.6	4,061.7	4,056.1	8.3	7.8	-68.58	-742.8	-511.2	789.8	774.1	15.69	50.352		
4,200.0	4,192.4	4,162.4	4,156.6	8.5	8.0	-68.73	-745.0	-516.2	791.3	775.2	16.08	49.208		
4,300.0	4,292.2	4,263.7	4,257.9	8.7	8.2	-68.87	-747.2	-521.2	792.7	776.2	16.48	48.111		
4,400.0	4,392.0	4,369.3	4,363.3	8.9	8.4	-69.03	-749.0	-526.2	793.7	776.8	16.88	47.018		
4,500.0	4,491.8	4,467.2	4,461.1	9.1	8.5	-69.18	-750.3	-530.7	794.3	777.0	17.27	45.998		
4,600.0	4,591.6	4,566.4	4,560.2	9.3	8.7	-69.38	-752.4	-534.6	795.3	777.6	17.66	45.045		
4,700.0	4,691.4	4,666.3	4,660.0	9.5	8.9	-69.60	-754.3	-538.5	796.2	778.2	18.05	44.121		
4,800.0	4,791.2	4,762.3	4,755.8	9.7	9.1	-69.80	-756.4	-542.3	797.4	779.0	18.43	43.270		
4,900.0	4,891.0	4,863.0	4,856.4	9.9	9.3	-70.03	-759.1	-546.2	799.0	780.2	18.82	42.457		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 31-19 - ENCANA - GYRO												Offset Site Error: 0.0 ft	
Survey Program: 100-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,000.0	4,990.8	4,965.1	4,958.5	10.1	9.5	-70.28	-761.5	-549.8	800.2	781.0	19.21	41.656	
5,100.0	5,090.6	5,071.1	5,064.4	10.3	9.7	-70.57	-763.8	-552.9	801.1	781.5	19.61	40.854	
5,200.0	5,190.4	5,181.9	5,175.1	10.5	9.9	-70.88	-765.0	-555.7	800.9	780.9	20.01	40.016	
5,300.0	5,290.2	5,286.4	5,279.7	10.7	10.1	-71.23	-765.4	-557.4	799.6	779.2	20.41	39.186	
5,400.0	5,390.0	5,389.1	5,382.3	10.9	10.2	-71.60	-765.4	-558.4	798.0	777.2	20.79	38.377	
5,500.0	5,489.8	5,487.0	5,480.3	11.2	10.4	-71.97	-765.5	-559.2	796.3	775.1	21.17	37.611	
5,600.0	5,589.6	5,585.8	5,579.0	11.4	10.5	-72.35	-765.8	-560.0	794.9	773.3	21.55	36.879	
5,700.0	5,689.4	5,680.6	5,673.9	11.6	10.7	-72.72	-766.4	-560.9	793.8	771.9	21.93	36.202	
5,800.0	5,789.2	5,781.4	5,774.6	11.8	10.9	-73.11	-767.4	-561.8	793.2	770.9	22.31	35.550	
5,900.0	5,889.0	5,883.6	5,876.8	12.0	11.0	-73.57	-768.3	-562.0	792.3	769.6	22.69	34.915	
6,000.0	5,988.8	5,990.8	5,984.0	12.2	11.2	-74.10	-768.9	-561.3	790.9	767.8	23.09	34.259	
6,100.0	6,088.6	6,091.3	6,084.6	12.4	11.4	-74.57	-768.8	-560.9	788.9	765.5	23.47	33.619	
6,200.0	6,188.4	6,191.2	6,184.4	12.6	11.5	-75.03	-768.6	-560.6	787.0	763.2	23.85	33.001	
6,300.0	6,288.2	6,289.1	6,282.3	12.8	11.7	-75.48	-768.5	-560.4	785.3	761.0	24.23	32.413	
6,400.0	6,388.0	6,393.9	6,387.1	13.0	11.9	-75.96	-768.2	-560.2	783.4	758.8	24.62	31.825	
6,500.0	6,487.8	6,487.6	6,480.9	13.2	12.0	-76.39	-768.0	-560.0	781.6	756.6	24.99	31.278	
6,600.0	6,587.6	6,591.4	6,584.6	13.4	12.2	-76.86	-767.9	-560.0	780.1	754.7	25.38	30.739	
6,700.0	6,687.4	6,683.5	6,676.7	13.6	12.3	-77.26	-767.9	-560.2	778.7	752.9	25.75	30.243	
6,800.0	6,787.2	6,785.8	6,779.0	13.8	12.5	-77.67	-768.3	-561.2	777.9	751.7	26.14	29.759	
6,864.9	6,851.9	6,854.4	6,847.6	14.0	12.6	-77.91	-768.1	-562.1	777.0	750.6	26.40	29.436	
6,900.0	6,887.0	6,891.6	6,884.8	14.0	12.7	-40.65	-767.9	-562.6	775.6	749.1	26.51	29.254	
6,950.0	6,936.7	6,940.5	6,933.7	14.1	12.8	-16.87	-767.5	-563.3	770.6	744.0	26.58	28.987	
7,000.0	6,986.0	6,988.2	6,981.4	14.3	12.9	-7.43	-767.2	-564.1	762.3	735.7	26.55	28.709	
7,050.0	7,034.6	7,038.9	7,032.1	14.4	13.0	-2.52	-766.9	-565.0	750.6	724.2	26.43	28.406	
7,100.0	7,082.3	7,089.7	7,082.9	14.5	13.0	0.58	-766.4	-565.9	735.5	709.3	26.20	28.071	
7,150.0	7,129.0	7,138.4	7,131.6	14.6	13.1	2.86	-765.7	-566.6	717.0	691.1	25.88	27.704	
7,200.0	7,174.2	7,185.3	7,178.4	14.7	13.2	4.76	-764.9	-567.4	695.2	669.7	25.46	27.300	
7,250.0	7,217.9	7,228.0	7,221.2	14.9	13.3	6.51	-764.1	-568.2	670.3	645.4	24.96	26.856	
7,300.0	7,259.8	7,268.0	7,261.1	15.1	13.4	8.26	-763.5	-568.9	642.7	618.3	24.38	26.364	
7,350.0	7,299.7	7,306.2	7,299.3	15.3	13.4	10.15	-762.9	-569.8	612.5	588.7	23.74	25.801	
7,400.0	7,337.5	7,343.1	7,336.2	15.5	13.5	12.30	-762.4	-570.5	579.7	556.6	23.06	25.138	
7,450.0	7,372.8	7,377.7	7,370.8	15.8	13.5	14.85	-762.0	-571.1	544.6	522.2	22.39	24.328	
7,500.0	7,405.6	7,409.4	7,402.5	16.0	13.6	17.96	-761.6	-571.6	507.3	485.6	21.78	23.298	
7,550.0	7,435.8	7,437.8	7,430.9	16.4	13.6	21.81	-761.4	-572.1	468.2	446.9	21.33	21.947	
7,600.0	7,463.0	7,463.7	7,456.8	16.7	13.7	26.75	-761.2	-572.5	427.5	406.3	21.23	20.134	
7,650.0	7,487.3	7,486.9	7,480.0	17.1	13.7	33.10	-761.2	-572.9	385.5	363.8	21.70	17.762	
7,700.0	7,508.5	7,507.5	7,500.5	17.6	13.8	41.18	-761.2	-573.2	342.5	319.5	22.96	14.913	
7,750.0	7,526.5	7,525.2	7,518.2	18.0	13.8	51.04	-761.2	-573.5	299.0	274.0	25.02	11.949	
7,800.0	7,541.2	7,539.7	7,532.8	18.5	13.8	61.95	-761.2	-573.8	255.7	228.3	27.43	9.322	
7,850.0	7,552.5	7,551.0	7,544.0	19.1	13.8	72.50	-761.2	-574.0	213.6	184.1	29.51	7.239	
7,900.0	7,560.5	7,558.9	7,552.0	19.6	13.9	81.11	-761.2	-574.1	174.6	143.7	30.92	5.648	
7,950.0	7,564.9	7,563.5	7,556.5	20.2	13.9	86.76	-761.2	-574.2	142.1	110.3	31.79	4.470	
7,989.2	7,566.0	7,564.6	7,557.7	20.7	13.9	88.87	-761.2	-574.2	124.9	92.6	32.31	3.865	
8,000.0	7,566.0	7,564.6	7,557.7	20.8	13.9	88.88	-761.2	-574.2	121.9	89.5	32.45	3.758	
8,028.1	7,566.0	7,564.7	7,557.7	21.2	13.9	88.91	-761.2	-574.2	118.7	85.8	32.83	3.614 CC, ES, SF	
8,100.0	7,566.0	7,564.9	7,557.9	22.1	13.9	88.99	-761.2	-574.2	138.7	104.9	33.81	4.103	
8,200.0	7,566.0	7,565.1	7,558.1	23.4	13.9	89.10	-761.2	-574.2	208.8	173.6	35.23	5.929	
8,300.0	7,566.0	7,565.3	7,558.4	24.8	13.9	89.21	-761.2	-574.2	296.6	259.9	36.69	8.085	
8,400.0	7,566.0	7,565.5	7,558.6	26.2	13.9	89.33	-761.2	-574.2	390.3	352.2	38.19	10.222	
8,500.0	7,566.0	7,565.8	7,558.8	27.7	13.9	89.44	-761.2	-574.2	486.6	446.8	39.72	12.251	
8,600.0	7,566.0	7,566.0	7,559.1	29.2	13.9	89.55	-761.2	-574.2	584.0	542.8	41.27	14.151	
8,700.0	7,566.0	7,566.3	7,559.3	30.7	13.9	89.67	-761.2	-574.2	682.3	639.4	42.85	15.922	

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 31-19 - ENCANA - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
8,800.0	7,566.0	7,566.5	7,559.6	32.2	13.9	89.78	-761.2	-574.2	780.9	736.5	44.45	17.569		
8,900.0	7,566.0	7,566.7	7,559.8	33.8	13.9	89.90	-761.2	-574.2	879.9	833.8	46.06	19.103		
9,000.0	7,566.0	7,567.0	7,560.0	35.4	13.9	90.02	-761.2	-574.3	979.1	931.4	47.69	20.531		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 32-19 - ENCANA - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
8,100.0	7,566.0	7,553.0	7,551.0	22.1	13.3	-89.42	-1,798.4	-260.8	984.8	951.1	33.74	29.184		
8,200.0	7,566.0	7,553.2	7,551.2	23.4	13.3	-89.48	-1,798.4	-260.8	887.0	851.8	35.16	25.227		
8,300.0	7,566.0	7,553.4	7,551.4	24.8	13.3	-89.54	-1,798.4	-260.8	789.7	753.1	36.62	21.564		
8,400.0	7,566.0	7,553.6	7,551.6	26.2	13.3	-89.60	-1,798.4	-260.8	693.3	655.1	38.12	18.184		
8,500.0	7,566.0	7,553.8	7,551.9	27.7	13.3	-89.66	-1,798.4	-260.8	598.0	558.3	39.66	15.079		
8,600.0	7,566.0	7,554.0	7,552.1	29.2	13.3	-89.72	-1,798.4	-260.8	504.5	463.2	41.21	12.240		
8,700.0	7,566.0	7,554.2	7,552.3	30.7	13.3	-89.79	-1,798.4	-260.8	414.0	371.2	42.79	9.675		
8,800.0	7,566.0	7,554.4	7,552.5	32.2	13.3	-89.85	-1,798.4	-260.8	329.2	284.8	44.39	7.415		
8,900.0	7,566.0	7,554.6	7,552.7	33.8	13.3	-89.91	-1,798.4	-260.8	255.5	209.5	46.01	5.553		
9,000.0	7,566.0	7,554.8	7,552.9	35.4	13.3	-89.97	-1,798.4	-260.8	205.4	157.8	47.63	4.312		
9,065.4	7,566.0	7,555.0	7,553.0	36.4	13.3	-90.01	-1,798.4	-260.8	194.7	146.0	48.71	3.998	CC, ES, SF	
9,100.0	7,566.0	7,555.0	7,553.1	37.0	13.3	-90.04	-1,798.4	-260.8	197.8	148.5	49.27	4.014		
9,200.0	7,566.0	7,555.3	7,553.3	38.6	13.3	-90.10	-1,798.4	-260.8	236.8	185.8	50.92	4.649		
9,300.0	7,566.0	7,555.5	7,553.6	40.2	13.3	-90.16	-1,798.4	-260.8	304.9	252.3	52.58	5.799		
9,400.0	7,566.0	7,555.7	7,553.8	41.8	13.3	-90.23	-1,798.4	-260.8	387.2	332.9	54.25	7.137		
9,500.0	7,566.0	7,555.9	7,554.0	43.5	13.3	-90.29	-1,798.4	-260.8	476.3	420.4	55.92	8.516		
9,600.0	7,566.0	7,556.1	7,554.2	45.1	13.3	-90.36	-1,798.4	-260.8	569.0	511.4	57.60	9.878		
9,700.0	7,566.0	7,556.3	7,554.4	46.8	13.3	-90.42	-1,798.4	-260.8	663.9	604.6	59.29	11.197		
9,800.0	7,566.0	7,556.6	7,554.7	48.5	13.3	-90.49	-1,798.5	-260.8	760.0	699.0	60.98	12.463		
9,900.0	7,566.0	7,556.8	7,554.9	50.1	13.3	-90.55	-1,798.5	-260.8	857.1	794.4	62.68	13.675		
10,000.0	7,566.0	7,557.0	7,555.1	51.8	13.3	-90.62	-1,798.5	-260.8	954.7	890.3	64.37	14.831		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 33-19 - ENCANA - GYRO											Offset Site Error:		0.0 ft
Survey Program: 100-Geolink MWD											Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
9,400.0	7,566.0	7,563.4	7,560.7	41.8	13.5	-89.27	-3,118.1	-357.5	989.9	935.6	54.26	18.243	
9,500.0	7,566.0	7,563.6	7,560.9	43.5	13.5	-89.34	-3,118.1	-357.5	890.4	834.5	55.94	15.918	
9,600.0	7,566.0	7,563.7	7,561.0	45.1	13.5	-89.41	-3,118.1	-357.5	791.1	733.5	57.62	13.730	
9,700.0	7,566.0	7,563.8	7,561.1	46.8	13.5	-89.49	-3,118.1	-357.5	692.0	632.7	59.30	11.668	
9,800.0	7,566.0	7,563.9	7,561.2	48.5	13.5	-89.56	-3,118.1	-357.5	593.2	532.2	61.00	9.725	
9,900.0	7,566.0	7,564.1	7,561.4	50.1	13.5	-89.63	-3,118.1	-357.5	494.8	432.1	62.69	7.893	
10,000.0	7,566.0	7,564.2	7,561.5	51.8	13.5	-89.71	-3,118.1	-357.5	397.3	332.9	64.39	6.170	
10,100.0	7,566.0	7,564.3	7,561.6	53.5	13.5	-89.78	-3,118.1	-357.5	301.4	235.3	66.09	4.560	
10,200.0	7,566.0	7,564.4	7,561.7	55.2	13.5	-89.85	-3,118.1	-357.5	209.4	141.6	67.80	3.088	
10,300.0	7,566.0	7,564.6	7,561.9	56.9	13.5	-89.93	-3,118.1	-357.5	129.8	60.3	69.51	1.867	
10,385.0	7,566.0	7,564.7	7,562.0	58.3	13.5	-89.99	-3,118.1	-357.5	98.1	27.1	70.96	1.382	Level 3, CC, ES, SF
10,400.0	7,566.0	7,564.7	7,562.0	58.6	13.5	-90.00	-3,118.1	-357.5	99.2	28.0	71.22	1.393	Level 3
10,500.0	7,566.0	7,564.8	7,562.1	60.3	13.5	-90.08	-3,118.1	-357.5	151.2	78.2	72.94	2.072	
10,600.0	7,566.0	7,565.0	7,562.3	62.0	13.5	-90.15	-3,118.1	-357.5	236.3	161.7	74.65	3.166	
10,700.0	7,566.0	7,565.1	7,562.4	63.7	13.5	-90.23	-3,118.1	-357.5	329.9	253.6	76.37	4.320	
10,800.0	7,566.0	7,565.2	7,562.5	65.4	13.5	-90.30	-3,118.1	-357.5	426.4	348.3	78.09	5.461	
10,900.0	7,566.0	7,565.3	7,562.6	67.1	13.5	-90.38	-3,118.1	-357.5	524.3	444.4	79.81	6.569	
11,000.0	7,566.0	7,565.5	7,562.8	68.8	13.5	-90.45	-3,118.1	-357.5	622.8	541.2	81.54	7.638	
11,100.0	7,566.0	7,565.6	7,562.9	70.5	13.5	-90.53	-3,118.1	-357.5	721.7	638.4	83.26	8.668	
11,200.0	7,566.0	7,565.7	7,563.0	72.2	13.5	-90.61	-3,118.1	-357.5	820.9	735.9	84.99	9.659	
11,300.0	7,566.0	7,565.9	7,563.2	73.9	13.5	-90.68	-3,118.1	-357.5	920.2	833.5	86.71	10.613	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													S19-T2N-R68W (Rasmussen/Regnier) - ROSS 22-19 - ENCANA - NO SURVEYS		Offset Site Error:		0.0 ft				
Survey Program:													8320-Geolink MWD		Offset Well Error:		0.0 ft				
Offset				Semi Major Axis				Distance													
Reference		Offset		Reference		Offset		Highside		Offset Wellbore Centre		Between		Between		Total		Separation		Warning	
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset	Highside	Offset Wellbore Centre	Between	Between	Total	Separation	Warning							
Depth	Depth	Depth	Depth			Toolface															
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)			+N/-S	+E/-W	Centres	Ellipses	Uncertainty								
									(ft)	(ft)	(ft)	(ft)	Axis								
9,100.0	7,566.0	7,559.0	7,559.0	37.0	13.2	90.00			-1,897.5	-1,450.8	997.3	948.0	49.28	20.236							
9,164.4	7,566.0	7,559.0	7,559.0	38.0	13.2	90.00			-1,897.5	-1,450.8	995.2	944.8	50.34	19.767 CC, ES							
9,200.0	7,566.0	7,559.0	7,559.0	38.6	13.2	90.00			-1,897.5	-1,450.8	995.8	944.9	50.93	19.552 SF							

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1B-19H-B268
Project:	DJ Wattenberg	TVD Reference:	13' KB @ 4978.0ft
Reference Site:	S19-T2N-R68W (Rasmussen/Regnier)	MD Reference:	13' KB @ 4978.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1B-19H-B268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - ROSS 4-2-19 - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 101-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,850.0	7,552.5	7,915.4	7,579.3	19.1	36.2	68.93	-1,440.0	-884.2	957.8	926.0	31.80	30.120		
7,900.0	7,560.5	7,923.1	7,587.0	19.6	36.2	77.21	-1,440.0	-884.2	913.6	879.1	34.56	26.438		
7,950.0	7,564.9	7,927.2	7,591.2	20.2	36.2	85.02	-1,440.0	-884.2	869.8	833.4	36.39	23.903		
7,989.2	7,566.0	7,928.1	7,592.0	20.7	36.2	90.53	-1,439.9	-884.2	835.9	798.8	37.15	22.501		
8,000.0	7,566.0	7,928.0	7,591.9	20.8	36.2	90.52	-1,439.9	-884.2	826.7	789.4	37.29	22.166		
8,100.0	7,566.0	7,927.3	7,591.3	22.1	36.2	90.44	-1,440.0	-884.2	743.0	704.3	38.65	19.222		
8,200.0	7,566.0	7,926.6	7,590.6	23.4	36.2	90.35	-1,440.0	-884.2	663.8	623.7	40.06	16.568		
8,300.0	7,566.0	7,926.0	7,589.9	24.8	36.2	90.26	-1,440.0	-884.2	591.0	549.5	41.52	14.233		
8,400.0	7,566.0	7,925.3	7,589.3	26.2	36.2	90.17	-1,440.0	-884.2	527.2	484.1	43.02	12.254		
8,500.0	7,566.0	7,924.7	7,588.6	27.7	36.2	90.08	-1,440.0	-884.2	475.9	431.4	44.55	10.684		
8,600.0	7,566.0	7,924.0	7,587.9	29.2	36.2	89.99	-1,440.0	-884.2	441.8	395.7	46.10	9.582		
8,700.0	7,566.0	7,923.3	7,587.3	30.7	36.2	89.90	-1,440.0	-884.2	428.7	381.0	47.68	8.991		
8,706.9	7,566.0	7,923.3	7,587.2	30.8	36.2	89.90	-1,440.0	-884.2	428.6	380.8	47.79	8.969 CC, ES		
8,800.0	7,566.0	7,922.7	7,586.6	32.2	36.2	89.81	-1,440.0	-884.2	438.6	389.4	49.27	8.902 SF		
8,900.0	7,566.0	7,922.0	7,585.9	33.8	36.2	89.73	-1,440.0	-884.2	470.1	419.2	50.88	9.239		
9,000.0	7,566.0	7,921.3	7,585.3	35.4	36.2	89.64	-1,440.0	-884.2	519.3	466.8	52.51	9.889		
9,100.0	7,566.0	7,920.7	7,584.6	37.0	36.2	89.55	-1,440.0	-884.2	581.6	527.5	54.14	10.742		
9,200.0	7,566.0	7,920.0	7,584.0	38.6	36.2	89.46	-1,440.0	-884.2	653.4	597.6	55.79	11.711		
9,300.0	7,566.0	7,919.4	7,583.3	40.2	36.2	89.37	-1,440.0	-884.2	731.8	674.3	57.44	12.739		
9,400.0	7,566.0	7,918.7	7,582.6	41.8	36.2	89.28	-1,440.0	-884.2	814.9	755.8	59.11	13.788		
9,500.0	7,566.0	7,918.0	7,582.0	43.5	36.2	89.20	-1,440.0	-884.2	901.5	840.7	60.77	14.834		
9,600.0	7,566.0	7,917.4	7,581.3	45.1	36.2	89.11	-1,440.0	-884.2	990.6	928.2	62.45	15.863		

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

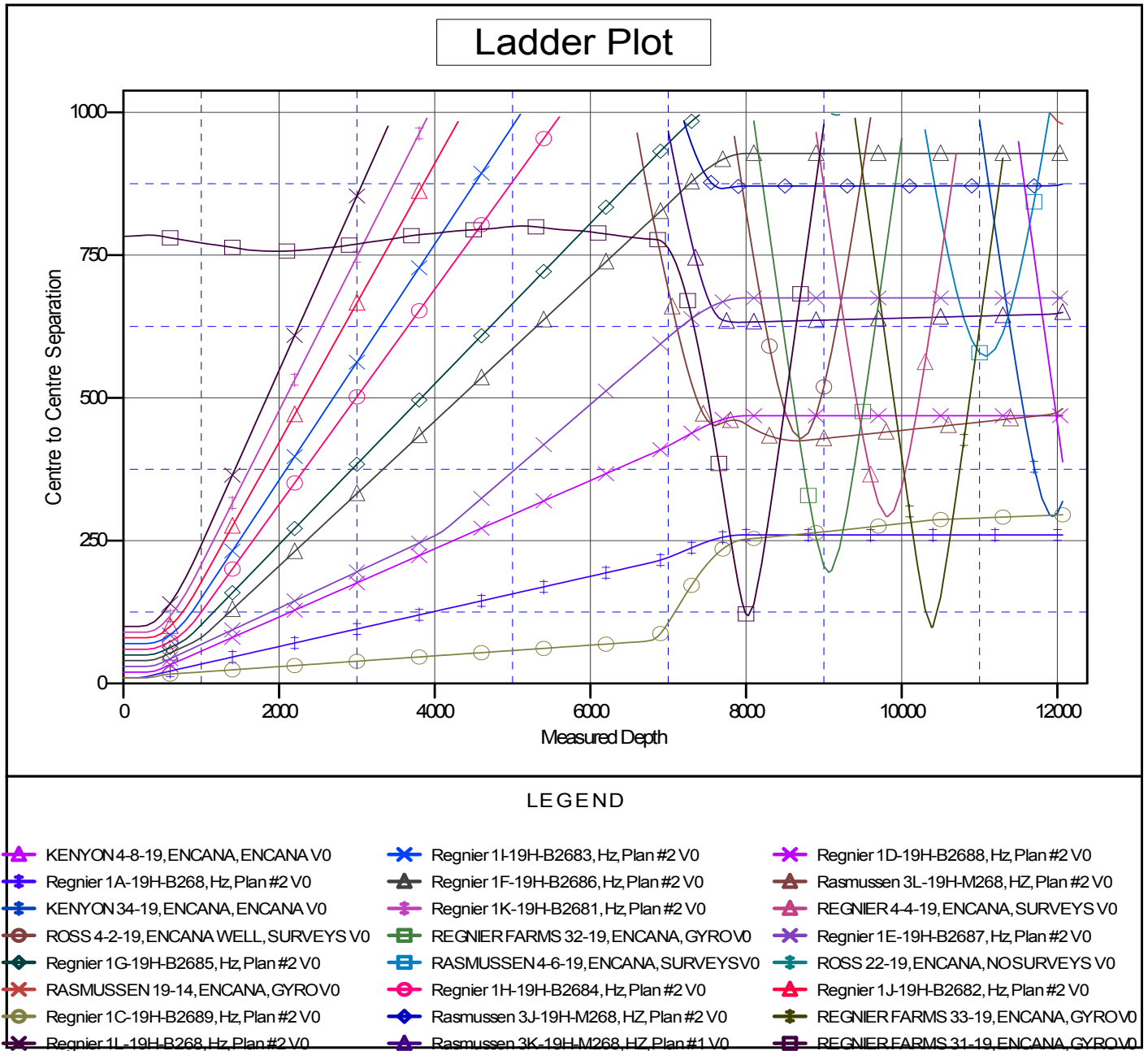
Cathedral Energy Services

Anticollision Report

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Reference Depths are relative to 13' KB @ 4978.0ft
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: Regnier 1B-19H-B268
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.30°



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