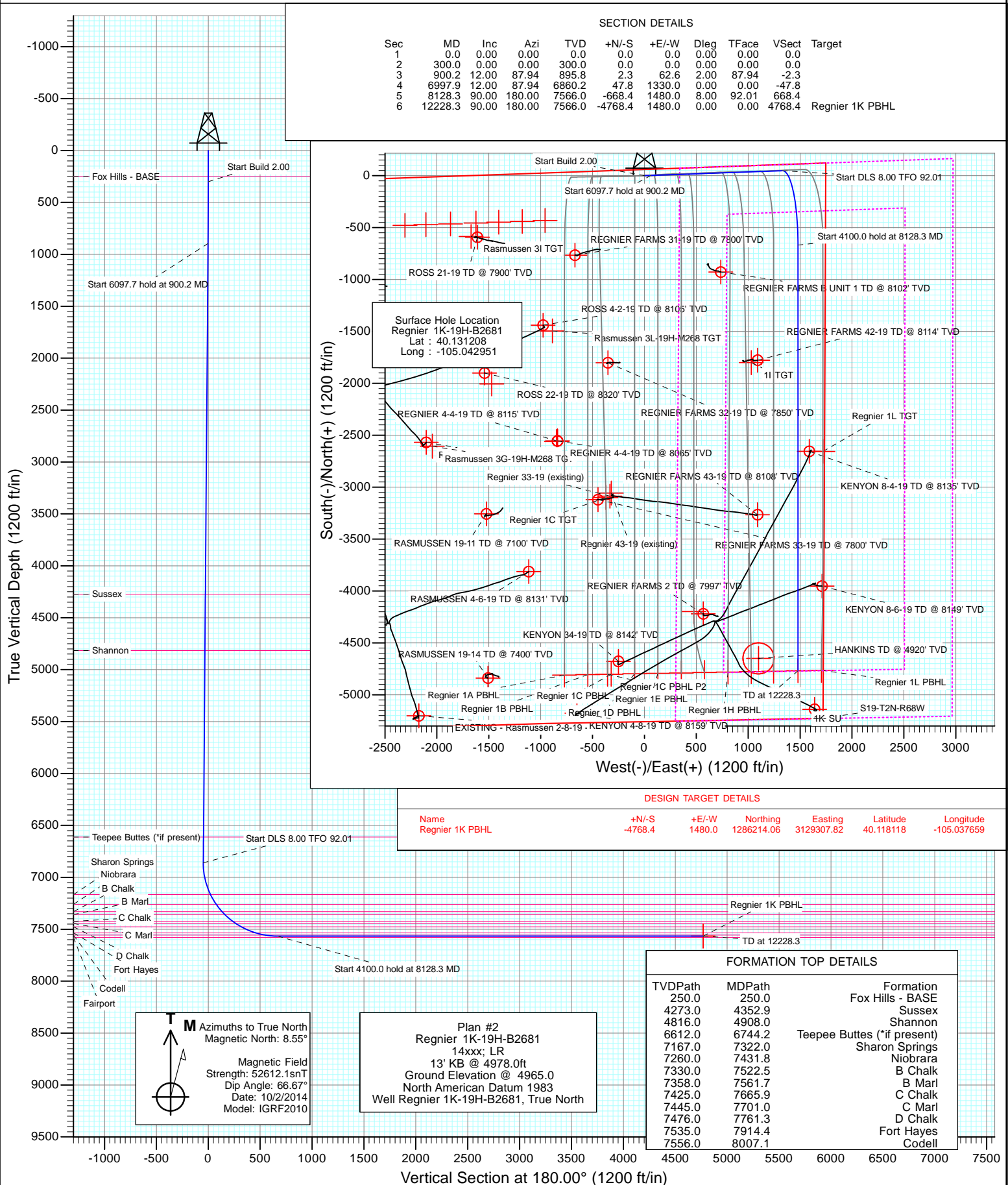




Project: DJ Wattenberg
Site: S19-T2N-R68W (Rasmussen/Regnier)
Well: Regnier 1K-19H-B2681
Vellbore: Hz
Design: Plan #2



Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 1K-19H-B2681					
Well Position	+N/-S	0.0 ft	Northing:	1,290,974.74 ft	Latitude:	40.131208
	+E/-W	0.0 ft	Easting:	3,127,803.26 ft	Longitude:	-105.042951
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)	+N/-S	+E/-W	Direction	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	180.00	

Plan Sections										
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Dogleg Rate	Build Rate	Turn Rate	TFO	Target
(ft)	(°)	(°)	(ft)	(ft)	(ft)	(°/100ft)	(°/100ft)	(°/100ft)	(°)	
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	
900.2	12.00	87.94	895.8	2.3	62.6	2.00	2.00	0.00	87.94	
6,997.9	12.00	87.94	6,860.2	47.8	1,330.0	0.00	0.00	0.00	0.00	
8,128.3	90.00	180.00	7,566.0	-668.4	1,480.0	8.00	6.90	8.14	92.01	
12,228.3	90.00	180.00	7,566.0	-4,768.4	1,480.0	0.00	0.00	0.00	0.00	Regnier 1K PBHL

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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	87.94	400.0	0.1	1.7	-0.1	2.00	2.00	
500.0	4.00	87.94	499.8	0.3	7.0	-0.3	2.00	2.00	
600.0	6.00	87.94	599.5	0.6	15.7	-0.6	2.00	2.00	
700.0	8.00	87.94	698.7	1.0	27.9	-1.0	2.00	2.00	
800.0	10.00	87.94	797.5	1.6	43.5	-1.6	2.00	2.00	
900.0	12.00	87.94	895.6	2.2	62.6	-2.2	2.00	2.00	
900.2	12.00	87.94	895.8	2.3	62.6	-2.3	2.00	2.00	Start 6097.7 hold at 900.2 MD
1,000.0	12.00	87.94	993.4	3.0	83.3	-3.0	0.00	0.00	
1,100.0	12.00	87.94	1,091.2	3.7	104.1	-3.7	0.00	0.00	
1,200.0	12.00	87.94	1,189.1	4.5	124.9	-4.5	0.00	0.00	
1,300.0	12.00	87.94	1,286.9	5.2	145.7	-5.2	0.00	0.00	
1,400.0	12.00	87.94	1,384.7	6.0	166.5	-6.0	0.00	0.00	
1,500.0	12.00	87.94	1,482.5	6.7	187.3	-6.7	0.00	0.00	
1,600.0	12.00	87.94	1,580.3	7.5	208.1	-7.5	0.00	0.00	
1,700.0	12.00	87.94	1,678.1	8.2	228.8	-8.2	0.00	0.00	
1,800.0	12.00	87.94	1,775.9	9.0	249.6	-9.0	0.00	0.00	
1,900.0	12.00	87.94	1,873.8	9.7	270.4	-9.7	0.00	0.00	
2,000.0	12.00	87.94	1,971.6	10.5	291.2	-10.5	0.00	0.00	
2,100.0	12.00	87.94	2,069.4	11.2	312.0	-11.2	0.00	0.00	
2,200.0	12.00	87.94	2,167.2	12.0	332.8	-12.0	0.00	0.00	
2,300.0	12.00	87.94	2,265.0	12.7	353.6	-12.7	0.00	0.00	
2,400.0	12.00	87.94	2,362.8	13.5	374.3	-13.5	0.00	0.00	
2,500.0	12.00	87.94	2,460.6	14.2	395.1	-14.2	0.00	0.00	
2,600.0	12.00	87.94	2,558.4	15.0	415.9	-15.0	0.00	0.00	
2,700.0	12.00	87.94	2,656.3	15.7	436.7	-15.7	0.00	0.00	
2,800.0	12.00	87.94	2,754.1	16.4	457.5	-16.4	0.00	0.00	
2,900.0	12.00	87.94	2,851.9	17.2	478.3	-17.2	0.00	0.00	
3,000.0	12.00	87.94	2,949.7	17.9	499.1	-17.9	0.00	0.00	
3,100.0	12.00	87.94	3,047.5	18.7	519.8	-18.7	0.00	0.00	
3,200.0	12.00	87.94	3,145.3	19.4	540.6	-19.4	0.00	0.00	
3,300.0	12.00	87.94	3,243.1	20.2	561.4	-20.2	0.00	0.00	
3,400.0	12.00	87.94	3,341.0	20.9	582.2	-20.9	0.00	0.00	
3,500.0	12.00	87.94	3,438.8	21.7	603.0	-21.7	0.00	0.00	
3,600.0	12.00	87.94	3,536.6	22.4	623.8	-22.4	0.00	0.00	
3,700.0	12.00	87.94	3,634.4	23.2	644.5	-23.2	0.00	0.00	
3,800.0	12.00	87.94	3,732.2	23.9	665.3	-23.9	0.00	0.00	
3,900.0	12.00	87.94	3,830.0	24.7	686.1	-24.7	0.00	0.00	
4,000.0	12.00	87.94	3,927.8	25.4	706.9	-25.4	0.00	0.00	
4,100.0	12.00	87.94	4,025.6	26.2	727.7	-26.2	0.00	0.00	
4,200.0	12.00	87.94	4,123.5	26.9	748.5	-26.9	0.00	0.00	
4,300.0	12.00	87.94	4,221.3	27.7	769.3	-27.7	0.00	0.00	
4,352.9	12.00	87.94	4,273.0	28.0	780.2	-28.0	0.00	0.00	Sussex
4,400.0	12.00	87.94	4,319.1	28.4	790.0	-28.4	0.00	0.00	
4,500.0	12.00	87.94	4,416.9	29.1	810.8	-29.1	0.00	0.00	
4,600.0	12.00	87.94	4,514.7	29.9	831.6	-29.9	0.00	0.00	
4,700.0	12.00	87.94	4,612.5	30.6	852.4	-30.6	0.00	0.00	
4,800.0	12.00	87.94	4,710.3	31.4	873.2	-31.4	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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
4,900.0	12.00	87.94	4,808.2	32.1	894.0	-32.1	0.00	0.00	
4,908.0	12.00	87.94	4,816.0	32.2	895.6	-32.2	0.00	0.00	Shannon
5,000.0	12.00	87.94	4,906.0	32.9	914.8	-32.9	0.00	0.00	
5,100.0	12.00	87.94	5,003.8	33.6	935.5	-33.6	0.00	0.00	
5,200.0	12.00	87.94	5,101.6	34.4	956.3	-34.4	0.00	0.00	
5,300.0	12.00	87.94	5,199.4	35.1	977.1	-35.1	0.00	0.00	
5,400.0	12.00	87.94	5,297.2	35.9	997.9	-35.9	0.00	0.00	
5,500.0	12.00	87.94	5,395.0	36.6	1,018.7	-36.6	0.00	0.00	
5,600.0	12.00	87.94	5,492.8	37.4	1,039.5	-37.4	0.00	0.00	
5,700.0	12.00	87.94	5,590.7	38.1	1,060.3	-38.1	0.00	0.00	
5,800.0	12.00	87.94	5,688.5	38.9	1,081.0	-38.9	0.00	0.00	
5,900.0	12.00	87.94	5,786.3	39.6	1,101.8	-39.6	0.00	0.00	
6,000.0	12.00	87.94	5,884.1	40.4	1,122.6	-40.4	0.00	0.00	
6,100.0	12.00	87.94	5,981.9	41.1	1,143.4	-41.1	0.00	0.00	
6,200.0	12.00	87.94	6,079.7	41.9	1,164.2	-41.9	0.00	0.00	
6,300.0	12.00	87.94	6,177.5	42.6	1,185.0	-42.6	0.00	0.00	
6,400.0	12.00	87.94	6,275.3	43.3	1,205.7	-43.3	0.00	0.00	
6,500.0	12.00	87.94	6,373.2	44.1	1,226.5	-44.1	0.00	0.00	
6,600.0	12.00	87.94	6,471.0	44.8	1,247.3	-44.8	0.00	0.00	
6,700.0	12.00	87.94	6,568.8	45.6	1,268.1	-45.6	0.00	0.00	
6,744.2	12.00	87.94	6,612.0	45.9	1,277.3	-45.9	0.00	0.00	Teepee Buttes (*if present)
6,800.0	12.00	87.94	6,666.6	46.3	1,288.9	-46.3	0.00	0.00	
6,900.0	12.00	87.94	6,764.4	47.1	1,309.7	-47.1	0.00	0.00	
6,997.9	12.00	87.94	6,860.2	47.8	1,330.0	-47.8	0.00	0.00	Start DLS 8.00 TFO 92.01
7,000.0	12.00	88.73	6,862.2	47.8	1,330.5	-47.8	8.00	-0.23	
7,100.0	14.24	123.17	6,959.8	41.3	1,351.2	-41.3	8.00	2.24	
7,200.0	19.70	143.59	7,055.4	21.0	1,371.5	-21.0	8.00	5.45	
7,300.0	26.44	154.70	7,147.4	-12.8	1,391.1	12.8	8.00	6.74	
7,322.0	28.01	156.45	7,167.0	-21.9	1,395.2	21.9	8.00	7.13	Sharon Springs
7,400.0	33.71	161.42	7,233.9	-59.3	1,409.4	59.3	8.00	7.31	
7,431.8	36.07	163.04	7,260.0	-76.6	1,415.0	76.6	8.00	7.45	Niobrara
7,500.0	41.22	165.96	7,313.3	-117.6	1,426.3	117.6	8.00	7.54	
7,522.5	42.93	166.80	7,330.0	-132.3	1,429.9	132.3	8.00	7.61	B Chalk
7,561.7	45.93	168.13	7,358.0	-159.1	1,435.8	159.1	8.00	7.64	B Marl
7,600.0	48.86	169.30	7,383.9	-186.7	1,441.3	186.7	8.00	7.67	
7,665.9	53.95	171.10	7,425.0	-237.4	1,450.0	237.4	8.00	7.71	C Chalk
7,700.0	56.59	171.94	7,444.4	-265.1	1,454.2	265.1	8.00	7.74	
7,701.0	56.67	171.97	7,445.0	-266.0	1,454.3	266.0	8.00	7.75	C Marl
7,761.3	61.34	173.33	7,476.0	-317.2	1,460.9	317.2	8.00	7.76	D Chalk
7,800.0	64.35	174.14	7,493.7	-351.4	1,464.6	351.4	8.00	7.78	
7,900.0	72.15	176.08	7,530.7	-443.9	1,472.5	443.9	8.00	7.80	
7,914.4	73.28	176.34	7,535.0	-457.7	1,473.4	457.7	8.00	7.81	Fort Hayes
8,000.0	79.96	177.84	7,554.8	-540.8	1,477.6	540.8	8.00	7.82	
8,007.1	80.52	177.97	7,556.0	-547.8	1,477.9	547.8	8.00	7.82	Codell
8,100.0	87.79	179.53	7,565.5	-640.1	1,479.9	640.1	8.00	7.82	
8,128.3	90.00	180.00	7,566.0	-668.4	1,480.0	668.4	8.00	7.83	Start 4100.0 hold at 8128.3 MD
8,200.0	90.00	180.00	7,566.0	-740.1	1,480.0	740.1	0.00	0.00	
8,300.0	90.00	180.00	7,566.0	-840.1	1,480.0	840.1	0.00	0.00	
8,400.0	90.00	180.00	7,566.0	-940.1	1,480.0	940.1	0.00	0.00	
8,500.0	90.00	180.00	7,566.0	-1,040.1	1,480.0	1,040.1	0.00	0.00	
8,600.0	90.00	180.00	7,566.0	-1,140.1	1,480.0	1,140.1	0.00	0.00	
8,700.0	90.00	180.00	7,566.0	-1,240.1	1,480.0	1,240.1	0.00	0.00	

Cathedral Energy Services

Planning Report

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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 1K-19H-B2681	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	-1,340.1	1,480.0	1,340.1	0.00	0.00	
8,900.0	90.00	180.00	7,566.0	-1,440.1	1,480.0	1,440.1	0.00	0.00	
9,000.0	90.00	180.00	7,566.0	-1,540.1	1,480.0	1,540.1	0.00	0.00	
9,100.0	90.00	180.00	7,566.0	-1,640.1	1,480.0	1,640.1	0.00	0.00	
9,200.0	90.00	180.00	7,566.0	-1,740.1	1,480.0	1,740.1	0.00	0.00	
9,300.0	90.00	180.00	7,566.0	-1,840.1	1,480.0	1,840.1	0.00	0.00	
9,400.0	90.00	180.00	7,566.0	-1,940.1	1,480.0	1,940.1	0.00	0.00	
9,500.0	90.00	180.00	7,566.0	-2,040.1	1,480.0	2,040.1	0.00	0.00	
9,600.0	90.00	180.00	7,566.0	-2,140.1	1,480.0	2,140.1	0.00	0.00	
9,700.0	90.00	180.00	7,566.0	-2,240.1	1,480.0	2,240.1	0.00	0.00	
9,800.0	90.00	180.00	7,566.0	-2,340.1	1,480.0	2,340.1	0.00	0.00	
9,900.0	90.00	180.00	7,566.0	-2,440.1	1,480.0	2,440.1	0.00	0.00	
10,000.0	90.00	180.00	7,566.0	-2,540.1	1,480.0	2,540.1	0.00	0.00	
10,100.0	90.00	180.00	7,566.0	-2,640.1	1,480.0	2,640.1	0.00	0.00	
10,200.0	90.00	180.00	7,566.0	-2,740.1	1,480.0	2,740.1	0.00	0.00	
10,300.0	90.00	180.00	7,566.0	-2,840.1	1,480.0	2,840.1	0.00	0.00	
10,400.0	90.00	180.00	7,566.0	-2,940.1	1,480.0	2,940.1	0.00	0.00	
10,500.0	90.00	180.00	7,566.0	-3,040.1	1,480.0	3,040.1	0.00	0.00	
10,600.0	90.00	180.00	7,566.0	-3,140.1	1,480.0	3,140.1	0.00	0.00	
10,700.0	90.00	180.00	7,566.0	-3,240.1	1,480.0	3,240.1	0.00	0.00	
10,800.0	90.00	180.00	7,566.0	-3,340.1	1,480.0	3,340.1	0.00	0.00	
10,900.0	90.00	180.00	7,566.0	-3,440.1	1,480.0	3,440.1	0.00	0.00	
11,000.0	90.00	180.00	7,566.0	-3,540.1	1,480.0	3,540.1	0.00	0.00	
11,100.0	90.00	180.00	7,566.0	-3,640.1	1,480.0	3,640.1	0.00	0.00	
11,200.0	90.00	180.00	7,566.0	-3,740.1	1,480.0	3,740.1	0.00	0.00	
11,300.0	90.00	180.00	7,566.0	-3,840.1	1,480.0	3,840.1	0.00	0.00	
11,400.0	90.00	180.00	7,566.0	-3,940.1	1,480.0	3,940.1	0.00	0.00	
11,500.0	90.00	180.00	7,566.0	-4,040.1	1,480.0	4,040.1	0.00	0.00	
11,600.0	90.00	180.00	7,566.0	-4,140.1	1,480.0	4,140.1	0.00	0.00	
11,700.0	90.00	180.00	7,566.0	-4,240.1	1,480.0	4,240.1	0.00	0.00	
11,800.0	90.00	180.00	7,566.0	-4,340.1	1,480.0	4,340.1	0.00	0.00	
11,900.0	90.00	180.00	7,566.0	-4,440.1	1,480.0	4,440.1	0.00	0.00	
12,000.0	90.00	180.00	7,566.0	-4,540.1	1,480.0	4,540.1	0.00	0.00	
12,100.0	90.00	180.00	7,566.0	-4,640.1	1,480.0	4,640.1	0.00	0.00	
12,200.0	90.00	180.00	7,566.0	-4,740.1	1,480.0	4,740.1	0.00	0.00	
12,228.3	90.00	180.00	7,566.0	-4,768.4	1,480.0	4,768.4	0.00	0.00	TD at 12228.3

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Regnier 1K PBHL - hit/miss target - Shape - plan hits target center - Point	0.00	0.30	7,566.0	-4,768.4	1,480.0	1,286,214.06	3,129,307.82	40.118118	-105.037659

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
250.0	250.0	Fox Hills - BASE			
4,352.9	4,273.0	Sussex			
4,908.0	4,816.0	Shannon			
6,744.2	6,612.0	Teepee Buttes (*if present)			
7,322.0	7,167.0	Sharon Springs			
7,431.8	7,260.0	Niobrara			
7,522.5	7,330.0	B Chalk			
7,561.7	7,358.0	B Marl			
7,665.9	7,425.0	C Chalk			
7,701.0	7,445.0	C Marl			
7,761.3	7,476.0	D Chalk			
7,914.4	7,535.0	Fort Hayes			
8,007.1	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
900.2	895.8	2.3	62.6	Start 6097.7 hold at 900.2 MD
6,997.9	6,860.2	47.8	1,330.0	Start DLS 8.00 TFO 92.01
8,128.3	7,566.0	-668.4	1,480.0	Start 4100.0 hold at 8128.3 MD
12,228.3	7,566.0	-4,768.4	1,480.0	TD at 12228.3

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S19-T2N-R68W (Rasmussen/Regnier)

Regnier 1K-19H-B2681

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 1K-19H-B2681
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 1K-19H-B2681	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	12,228.3	Plan #2 (Hz)	Geolink MWD	Geolink MWD

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 Offset Well - Wellbore - Design	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
			Between Centres (ft)	Between Ellipses (ft)		
S19-T2N-R68W (Rasmussen/Regnier)						
HANKINS 1 - ENCANA - NO SURVEYS						Out of range
KENYON 34-19 - ENCANA - ENCANA						Out of range
KENYON 4-8-19 - ENCANA - ENCANA						Out of range
KENYON 8-4-19 - ENCANA - SURVEYS	10,115.6	7,973.3	117.1	35.1	1.427	Level 3, CC, ES, SF
KENYON 8-6-19 - ENCANA - SURVEYS	11,398.8	7,711.4	159.0	72.6	1.840	CC
KENYON 8-6-19 - ENCANA - SURVEYS	11,400.0	7,711.4	159.0	72.6	1.840	ES, SF
KENYON 8-8-19 - ENCANA - SURVEYS	12,228.3	7,799.6	414.0	307.4	3.886	CC, ES, SF
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						Out of range
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 #1						Out of range
Rasmussen 3I-19H-M268 - HZ - Plan #2						Out of range
Rasmussen 3J-19H-M268 - HZ - Plan #2						Out of range
Rasmussen 3K-19H-M268 - HZ - Plan #1						Out of range
Rasmussen 3L-19H-M268 - HZ - Plan #2						Out of range
RASMUSSEN 4-6-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN H UNIT 1 - ENCANA - GYRO						Out of range
Regnier 1A-19H-B268 - HZ - Plan #2	200.0	200.0	99.9	99.3	153.049	CC, ES
Regnier 1A-19H-B268 - HZ - Plan #2	700.0	684.9	161.4	159.1	68.542	SF
Regnier 1B-19H-B268 - HZ - Plan #2	300.0	300.0	89.8	88.8	89.653	CC, ES
Regnier 1B-19H-B268 - HZ - Plan #2	700.0	690.6	137.0	134.6	57.863	SF
Regnier 1C-19H-B2689 - HZ - Plan #3	300.0	300.0	80.0	79.0	79.878	CC, ES
Regnier 1C-19H-B2689 - HZ - Plan #3	600.0	594.1	102.2	100.1	50.274	SF
Regnier 1D-19H-B2688 - HZ - Plan #2	300.0	300.0	70.0	68.9	69.823	CC, ES
Regnier 1D-19H-B2688 - HZ - Plan #2	700.0	698.3	98.5	96.1	41.341	SF
Regnier 1E-19H-B2687 - HZ - Plan #2	300.0	300.0	59.9	58.9	59.769	CC, ES
Regnier 1E-19H-B2687 - HZ - Plan #2	700.0	698.7	87.8	85.4	36.810	SF
Regnier 1F-19H-B2686 - HZ - Plan #2	300.0	300.0	49.8	48.8	49.715	CC, ES
Regnier 1F-19H-B2686 - HZ - Plan #2	600.0	599.5	65.5	63.5	32.073	SF
Regnier 1G-19H-B2685 - HZ - Plan #2	300.0	300.0	40.0	39.0	39.939	CC, ES
Regnier 1G-19H-B2685 - HZ - Plan #2	12,228.3	11,962.7	909.9	738.9	5.322	SF
Regnier 1H-19H-B2684 - HZ - Plan #2	300.0	300.0	29.9	28.9	29.884	CC, ES
Regnier 1H-19H-B2684 - HZ - Plan #2	12,228.3	12,109.8	675.0	502.5	3.913	SF
Regnier 1I-19H-B2683 - HZ - Plan #2	300.0	300.0	19.9	18.9	19.830	CC, ES
Regnier 1I-19H-B2683 - HZ - Plan #2	12,228.3	11,918.0	503.6	348.7	3.250	SF
Regnier 1J-19H-B2682 - HZ - Plan #2	300.0	300.0	9.8	8.8	9.776	CC, ES
Regnier 1J-19H-B2682 - HZ - Plan #2	12,228.3	12,053.8	269.0	117.5	1.775	SF
Regnier 1L-19H-B268 - HZ - Plan #2	200.0	200.0	10.1	9.4	15.431	CC, ES
Regnier 1L-19H-B268 - HZ - Plan #2	12,228.3	12,065.8	319.0	193.9	2.550	SF
REGNIER FARMS 2 - ENCANA - GYRO	11,682.7	7,575.2	912.8	822.7	10.132	CC

CC - Min centre to center distance or covergent 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 1K-19H-B2681
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 1K-19H-B2681	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 FARMS 2 - ENCANA - GYRO	11,700.0	7,575.2	912.9	822.5	10.100	ES
REGNIER FARMS 2 - ENCANA - GYRO	11,800.0	7,574.8	920.3	828.2	9.990	SF
REGNIER FARMS 31-19 - ENCANA - GYRO	0.0	0.0	828.5			
REGNIER FARMS 31-19 - ENCANA - GYRO	100.0	89.3	828.7	828.4	2,691.029	ES
REGNIER FARMS 31-19 - ENCANA - GYRO	1,700.0	1,645.7	987.8	980.7	139.284	SF
REGNIER FARMS 32-19 - ENCANA - GYRO						Out of range
REGNIER FARMS 33-19 - ENCANA - GYRO						Out of range
REGNIER FARMS 42-19 - ENCANA - GYRO	9,240.4	7,544.6	531.0	482.5	10.943	CC, ES
REGNIER FARMS 42-19 - ENCANA - GYRO	9,300.0	7,544.8	534.3	484.8	10.795	SF
REGNIER FARMS 43-19 - ENCANA - SURVEYS	10,727.6	7,805.5	394.6	320.2	5.300	CC, ES, SF
REGNIER FARMS B UNIT 1 - ENCANA - GYRO	8,310.4	7,534.5	867.1	832.9	25.355	CC, ES
REGNIER FARMS B UNIT 1 - ENCANA - GYRO	8,600.0	7,536.7	914.2	875.8	23.794	SF
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						Out of range
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						Out of range
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 1K-19H-B2681
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 1K-19H-B2681	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 8-4-19 - ENCANA - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 92-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
9,200.0	7,566.0	7,968.1	7,590.5	43.5	35.9	-88.27	-2,655.6	1,597.2	923.0	856.2	66.84	13.810	
9,300.0	7,566.0	7,968.7	7,591.0	44.8	35.9	-88.56	-2,655.6	1,597.2	823.9	755.5	68.48	12.033	
9,400.0	7,566.0	7,969.3	7,591.6	46.2	35.9	-88.84	-2,655.6	1,597.2	725.1	655.0	70.12	10.340	
9,500.0	7,566.0	7,969.9	7,592.2	47.5	35.9	-89.12	-2,655.6	1,597.2	626.6	554.8	71.78	8.730	
9,600.0	7,566.0	7,970.4	7,592.8	48.9	35.9	-89.40	-2,655.6	1,597.2	528.7	455.3	73.44	7.199	
9,700.0	7,566.0	7,971.0	7,593.3	50.4	35.9	-89.68	-2,655.6	1,597.2	431.8	356.7	75.11	5.749	
9,800.0	7,566.0	7,971.6	7,593.9	51.8	35.9	-89.96	-2,655.6	1,597.2	336.6	259.8	76.78	4.384	
9,900.0	7,566.0	7,972.1	7,594.5	53.2	35.9	-90.23	-2,655.6	1,597.2	245.3	166.9	78.46	3.127	
10,000.0	7,566.0	7,972.7	7,595.0	54.7	35.9	-90.50	-2,655.7	1,597.1	164.6	84.4	80.14	2.053	
10,100.0	7,566.0	7,973.2	7,595.6	56.2	35.9	-90.77	-2,655.7	1,597.1	118.2	36.3	81.83	1.444 Level 3	
10,115.6	7,566.0	7,973.3	7,595.7	56.4	35.9	-90.81	-2,655.7	1,597.1	117.1	35.1	82.09	1.427 Level 3, CC, ES, SF	
10,200.0	7,566.0	7,973.8	7,596.1	57.7	35.9	-91.04	-2,655.7	1,597.1	144.4	60.9	83.51	1.729	
10,300.0	7,566.0	7,974.3	7,596.7	59.2	35.9	-91.30	-2,655.7	1,597.1	218.5	133.3	85.20	2.564	
10,400.0	7,566.0	7,974.9	7,597.2	60.7	35.9	-91.56	-2,655.7	1,597.1	307.6	220.7	86.89	3.540	
10,500.0	7,566.0	7,975.4	7,597.7	62.3	35.9	-91.82	-2,655.7	1,597.1	401.9	313.3	88.58	4.537	
10,600.0	7,566.0	7,975.9	7,598.3	63.8	35.9	-92.08	-2,655.7	1,597.1	498.4	408.1	90.28	5.521	
10,700.0	7,566.0	7,976.4	7,598.8	65.4	35.9	-92.33	-2,655.7	1,597.1	596.0	504.1	91.97	6.481	
10,800.0	7,566.0	7,977.0	7,599.3	67.0	35.9	-92.59	-2,655.7	1,597.1	694.4	600.7	93.66	7.413	
10,900.0	7,566.0	7,977.5	7,599.8	68.6	35.9	-92.84	-2,655.7	1,597.1	793.1	697.8	95.36	8.317	
11,000.0	7,566.0	7,978.0	7,600.3	70.1	35.9	-93.09	-2,655.7	1,597.1	892.1	795.1	97.05	9.193	
11,100.0	7,566.0	7,978.5	7,600.8	71.7	35.9	-93.34	-2,655.7	1,597.1	991.4	892.6	98.74	10.040	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 8-6-19 - ENCANA - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 91-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		
10,500.0	7,566.0	7,684.0	7,548.9	62.3	22.4	-73.80	-3,938.0	1,635.1	912.3	843.1	69.18	13.186		
10,600.0	7,566.0	7,686.8	7,551.8	63.8	22.4	-74.79	-3,938.1	1,635.4	814.1	743.0	71.10	11.449		
10,700.0	7,566.0	7,689.7	7,554.6	65.4	22.4	-75.80	-3,938.2	1,635.7	716.3	643.3	73.03	9.808		
10,800.0	7,566.0	7,692.6	7,557.5	67.0	22.4	-76.83	-3,938.3	1,636.0	619.3	544.3	74.96	8.261		
10,900.0	7,566.0	7,699.0	7,563.8	68.6	22.4	-79.10	-3,938.5	1,636.7	523.3	446.1	77.16	6.782		
11,000.0	7,566.0	7,699.0	7,563.8	70.1	22.4	-79.10	-3,938.5	1,636.7	429.1	350.3	78.85	5.443		
11,100.0	7,566.0	7,699.0	7,563.8	71.7	22.4	-79.10	-3,938.5	1,636.7	338.4	257.8	80.53	4.201		
11,200.0	7,566.0	7,704.9	7,569.7	73.3	22.5	-81.22	-3,938.7	1,637.3	254.5	171.8	82.66	3.079		
11,300.0	7,566.0	7,708.1	7,572.9	75.0	22.5	-82.38	-3,938.8	1,637.7	187.2	102.6	84.56	2.214		
11,398.8	7,566.0	7,711.4	7,576.2	76.6	22.5	-83.56	-3,938.9	1,638.0	159.0	72.6	86.42	1.840 CC		
11,400.0	7,566.0	7,711.4	7,576.2	76.6	22.5	-83.57	-3,938.9	1,638.0	159.0	72.6	86.44	1.840 ES, SF		
11,500.0	7,566.0	7,714.8	7,579.5	78.2	22.5	-84.78	-3,939.0	1,638.4	188.4	100.1	88.30	2.134		
11,600.0	7,566.0	7,718.2	7,582.9	79.8	22.5	-86.01	-3,939.1	1,638.8	256.3	166.2	90.14	2.844		
11,700.0	7,566.0	7,721.7	7,586.4	81.5	22.5	-87.25	-3,939.3	1,639.2	340.4	248.5	91.95	3.702		
11,800.0	7,566.0	7,725.2	7,589.9	83.1	22.5	-88.52	-3,939.4	1,639.6	431.3	337.6	93.72	4.602		
11,900.0	7,566.0	7,728.8	7,593.5	84.8	22.5	-89.80	-3,939.5	1,640.0	525.5	430.1	95.45	5.505		
12,000.0	7,566.0	7,732.5	7,597.1	86.4	22.5	-91.11	-3,939.7	1,640.5	621.5	524.4	97.14	6.398		
12,100.0	7,566.0	7,736.2	7,600.8	88.1	22.5	-92.42	-3,939.8	1,640.9	718.6	619.8	98.79	7.274		
12,200.0	7,566.0	7,740.1	7,604.6	89.7	22.5	-93.76	-3,939.9	1,641.4	816.3	715.9	100.38	8.132		
12,228.3	7,566.0	7,741.2	7,605.7	90.2	22.5	-94.14	-3,940.0	1,641.5	844.1	743.2	100.82	8.372		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 8-8-19 - ENCANA - SURVEYS													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		
11,700.0	7,566.0	7,810.1	7,612.6	81.5	26.6	-96.59	-5,149.4	1,641.0	923.7	826.8	96.83	9.539		
11,800.0	7,566.0	7,808.0	7,610.5	83.1	26.6	-95.85	-5,149.5	1,641.0	825.4	726.7	98.70	8.363		
11,900.0	7,566.0	7,806.0	7,608.4	84.8	26.6	-95.12	-5,149.5	1,641.0	727.6	627.1	100.54	7.237		
12,000.0	7,566.0	7,804.0	7,606.4	86.4	26.6	-94.41	-5,149.5	1,641.0	630.5	528.1	102.38	6.158		
12,100.0	7,566.0	7,802.0	7,604.5	88.1	26.6	-93.72	-5,149.6	1,641.0	534.4	430.2	104.20	5.129		
12,200.0	7,566.0	7,800.1	7,602.6	89.7	26.6	-93.05	-5,149.6	1,641.1	440.1	334.1	106.01	4.152		
12,228.3	7,566.0	7,799.6	7,602.0	90.2	26.6	-92.86	-5,149.6	1,641.1	414.0	307.4	106.52	3.886 CC, ES, SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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								
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	-92.30	-4.0	-99.8	99.9						
100.0	100.0	100.0	100.0	0.2	0.2	-92.30	-4.0	-99.8	99.9	99.6	0.30	328.966			
200.0	200.0	200.0	200.0	0.3	0.3	-92.30	-4.0	-99.8	99.9	99.3	0.65	153.049	CC, ES		
300.0	300.0	296.6	296.6	0.5	0.5	-92.28	-4.0	-101.5	101.6	100.6	1.00	101.645			
400.0	400.0	392.8	392.7	0.7	0.7	179.85	-4.1	-106.3	108.4	107.0	1.34	81.018			
500.0	499.8	488.9	488.4	0.9	0.9	179.94	-4.2	-114.3	121.9	120.2	1.68	72.682			
600.0	599.5	587.2	586.3	1.1	1.1	-179.98	-4.4	-123.6	139.9	137.9	2.02	69.344			
700.0	698.7	684.9	683.5	1.3	1.3	-179.91	-4.5	-132.7	161.4	159.1	2.35	68.542	SF		
800.0	797.5	781.7	780.0	1.7	1.6	-179.87	-4.7	-141.8	186.3	183.6	2.69	69.327			
900.2	895.8	877.9	875.7	2.0	1.8	-179.83	-4.8	-150.9	214.5	211.5	3.01	71.185			
1,000.0	993.4	973.1	970.5	2.4	2.0	-179.81	-5.0	-159.8	244.4	241.0	3.35	72.925			
1,100.0	1,091.2	1,068.5	1,065.5	2.8	2.2	-179.79	-5.1	-168.8	274.3	270.6	3.69	74.352			
1,200.0	1,189.1	1,163.9	1,160.5	3.2	2.5	-179.78	-5.3	-177.8	304.2	300.2	4.03	75.542			
1,300.0	1,286.9	1,259.4	1,255.5	3.6	2.7	-179.77	-5.4	-186.7	334.1	329.7	4.36	76.549			
1,400.0	1,384.7	1,354.8	1,350.5	4.0	2.9	-179.76	-5.6	-195.7	364.0	359.3	4.70	77.413			
1,500.0	1,482.5	1,450.2	1,445.5	4.4	3.2	-179.75	-5.7	-204.7	393.9	388.8	5.04	78.162			
1,600.0	1,580.3	1,545.6	1,540.5	4.8	3.4	-179.74	-5.8	-213.6	423.8	418.4	5.38	78.818			
1,700.0	1,678.1	1,641.1	1,635.5	5.2	3.6	-179.73	-6.0	-222.6	453.7	448.0	5.71	79.396			
1,800.0	1,775.9	1,736.5	1,730.5	5.6	3.8	-179.73	-6.1	-231.6	483.6	477.5	6.05	79.911			
1,900.0	1,873.8	1,831.9	1,825.5	6.0	4.1	-179.72	-6.3	-240.6	513.5	507.1	6.39	80.371			
2,000.0	1,971.6	1,927.3	1,920.5	6.4	4.3	-179.72	-6.4	-249.5	543.4	536.7	6.73	80.786			
2,100.0	2,069.4	2,022.8	2,015.5	6.8	4.5	-179.71	-6.6	-258.5	573.3	566.2	7.06	81.161			
2,200.0	2,167.2	2,118.2	2,110.5	7.2	4.8	-179.71	-6.7	-267.5	603.2	595.8	7.40	81.502			
2,300.0	2,265.0	2,213.6	2,205.5	7.6	5.0	-179.71	-6.9	-276.4	633.1	625.4	7.74	81.814			
2,400.0	2,362.8	2,309.0	2,300.5	8.0	5.2	-179.70	-7.0	-285.4	663.0	654.9	8.08	82.100			
2,500.0	2,460.6	2,404.5	2,395.5	8.4	5.4	-179.70	-7.1	-294.4	692.9	684.5	8.41	82.363			
2,600.0	2,558.4	2,499.9	2,490.5	8.8	5.7	-179.70	-7.3	-303.3	722.8	714.0	8.75	82.605			
2,700.0	2,656.3	2,595.3	2,585.5	9.2	5.9	-179.70	-7.4	-312.3	752.7	743.6	9.09	82.830			
2,800.0	2,754.1	2,690.7	2,680.5	9.6	6.1	-179.70	-7.6	-321.3	782.6	773.2	9.42	83.039			
2,900.0	2,851.9	2,786.2	2,775.5	10.1	6.4	-179.69	-7.7	-330.3	812.5	802.7	9.76	83.233			
3,000.0	2,949.7	2,881.6	2,870.5	10.5	6.6	-179.69	-7.9	-339.2	842.4	832.3	10.10	83.415			
3,100.0	3,047.5	2,977.0	2,965.5	10.9	6.8	-179.69	-8.0	-348.2	872.3	861.9	10.44	83.584			
3,200.0	3,145.3	3,072.4	3,060.5	11.3	7.0	-179.69	-8.2	-357.2	902.2	891.4	10.77	83.743			
3,300.0	3,243.1	3,167.9	3,155.5	11.7	7.3	-179.69	-8.3	-366.1	932.1	921.0	11.11	83.893			
3,400.0	3,341.0	3,263.3	3,250.5	12.1	7.5	-179.69	-8.4	-375.1	962.0	950.6	11.45	84.034			
3,500.0	3,438.8	3,358.7	3,345.5	12.5	7.7	-179.68	-8.6	-384.1	991.9	980.1	11.79	84.166			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 1B-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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-92.09	-3.3	-89.8	89.8					
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-3.3	-89.8	89.8	89.5	0.30	295.752		
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-3.3	-89.8	89.8	89.2	0.65	137.596		
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-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	179.99	-3.3	-91.4	93.3	91.9	1.34	69.339		
500.0	499.8	493.4	493.3	0.9	0.9	-179.95	-3.4	-96.3	103.5	101.8	1.69	61.399		
600.0	599.5	592.3	591.9	1.1	1.0	-179.89	-3.5	-102.5	118.5	116.5	2.03	58.430		
700.0	698.7	690.6	690.0	1.3	1.2	-179.85	-3.6	-108.8	137.0	134.6	2.37	57.863 SF		
800.0	797.5	788.1	787.4	1.7	1.4	-179.82	-3.6	-114.9	158.8	156.1	2.70	58.797		
900.2	895.8	885.1	884.2	2.0	1.6	-179.80	-3.7	-121.1	184.2	181.1	3.03	60.748		
1,000.0	993.4	981.2	980.1	2.4	1.8	-179.79	-3.8	-127.2	211.0	207.7	3.37	62.607		
1,100.0	1,091.2	1,077.5	1,076.2	2.8	2.0	-179.78	-3.9	-133.3	238.0	234.3	3.71	64.132		
1,200.0	1,189.1	1,173.8	1,172.3	3.2	2.2	-179.78	-4.0	-139.4	265.0	260.9	4.05	65.402		
1,300.0	1,286.9	1,270.1	1,268.4	3.6	2.4	-179.77	-4.1	-145.5	291.9	287.5	4.39	66.477		
1,400.0	1,384.7	1,366.4	1,364.5	4.0	2.6	-179.77	-4.2	-151.6	318.9	314.1	4.73	67.399		
1,500.0	1,482.5	1,462.7	1,460.6	4.4	2.8	-179.76	-4.3	-157.7	345.8	340.8	5.07	68.198		
1,600.0	1,580.3	1,559.0	1,556.7	4.8	3.0	-179.76	-4.4	-163.8	372.8	367.4	5.41	68.896		
1,700.0	1,678.1	1,655.3	1,652.8	5.2	3.2	-179.76	-4.5	-169.9	399.7	394.0	5.75	69.513		
1,800.0	1,775.9	1,751.6	1,748.9	5.6	3.4	-179.75	-4.6	-176.0	426.7	420.6	6.09	70.061		
1,900.0	1,873.8	1,847.9	1,845.0	6.0	3.6	-179.75	-4.6	-182.1	453.6	447.2	6.43	70.552		
2,000.0	1,971.6	1,944.2	1,941.1	6.4	3.8	-179.75	-4.7	-188.2	480.6	473.8	6.77	70.994		
2,100.0	2,069.4	2,040.5	2,037.2	6.8	4.0	-179.75	-4.8	-194.3	507.5	500.4	7.11	71.393		
2,200.0	2,167.2	2,136.8	2,133.3	7.2	4.2	-179.75	-4.9	-200.4	534.5	527.1	7.45	71.757		
2,300.0	2,265.0	2,233.1	2,229.4	7.6	4.4	-179.74	-5.0	-206.5	561.5	553.7	7.79	72.088		
2,400.0	2,362.8	2,329.4	2,325.5	8.0	4.6	-179.74	-5.1	-212.6	588.4	580.3	8.13	72.392		
2,500.0	2,460.6	2,425.7	2,421.6	8.4	4.8	-179.74	-5.2	-218.7	615.4	606.9	8.47	72.672		
2,600.0	2,558.4	2,522.0	2,517.7	8.8	5.0	-179.74	-5.3	-224.8	642.3	633.5	8.81	72.930		
2,700.0	2,656.3	2,618.3	2,613.9	9.2	5.2	-179.74	-5.4	-230.9	669.3	660.1	9.15	73.170		
2,800.0	2,754.1	2,714.6	2,710.0	9.6	5.4	-179.74	-5.5	-237.0	696.2	686.7	9.49	73.392		
2,900.0	2,851.9	2,810.9	2,806.1	10.1	5.6	-179.74	-5.6	-243.1	723.2	713.4	9.83	73.599		
3,000.0	2,949.7	2,907.2	2,902.2	10.5	5.8	-179.74	-5.6	-249.2	750.1	740.0	10.17	73.792		
3,100.0	3,047.5	3,003.5	2,998.3	10.9	6.0	-179.74	-5.7	-255.3	777.1	766.6	10.51	73.972		
3,200.0	3,145.3	3,099.8	3,094.4	11.3	6.2	-179.74	-5.8	-261.4	804.0	793.2	10.84	74.142		
3,300.0	3,243.1	3,196.1	3,190.5	11.7	6.4	-179.74	-5.9	-267.5	831.0	819.8	11.18	74.301		
3,400.0	3,341.0	3,292.4	3,286.6	12.1	6.6	-179.73	-6.0	-273.6	858.0	846.4	11.52	74.450		
3,500.0	3,438.8	3,388.7	3,382.7	12.5	6.8	-179.73	-6.1	-279.7	884.9	873.0	11.86	74.592		
3,600.0	3,536.6	3,485.0	3,478.8	12.9	7.0	-179.73	-6.2	-285.8	911.9	899.7	12.20	74.725		
3,700.0	3,634.4	3,581.3	3,574.9	13.3	7.2	-179.73	-6.3	-291.9	938.8	926.3	12.54	74.851		
3,800.0	3,732.2	3,677.6	3,671.0	13.7	7.4	-179.73	-6.4	-298.0	965.8	952.9	12.88	74.970		
3,900.0	3,830.0	3,773.9	3,767.1	14.1	7.6	-179.73	-6.5	-304.1	992.7	979.5	13.22	75.084		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 #3													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	-92.08	-2.9	-80.0	80.0					
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-2.9	-80.0	80.0	79.7	0.30	263.504		
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-2.9	-80.0	80.0	79.4	0.65	122.593		
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-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	179.98	-2.9	-80.0	81.8	80.4	1.35	60.554		
500.0	499.8	496.9	496.8	0.9	0.8	-179.99	-2.9	-81.6	88.7	87.0	1.69	52.413		
600.0	599.5	594.1	593.9	1.1	1.0	-179.90	-2.9	-86.3	102.2	100.1	2.03	50.274 SF		
700.0	698.7	692.5	692.2	1.3	1.2	-179.82	-2.9	-91.6	119.7	117.3	2.37	50.468		
800.0	797.5	790.3	789.9	1.7	1.4	-179.77	-2.9	-96.9	140.6	137.9	2.71	51.960		
900.2	895.8	887.5	886.9	2.0	1.6	-179.74	-2.9	-102.1	165.1	162.0	3.04	54.333		
1,000.0	993.4	983.8	983.1	2.4	1.8	-179.72	-3.0	-107.3	191.1	187.7	3.38	56.555		
1,100.0	1,091.2	1,080.4	1,079.5	2.8	2.0	-179.70	-3.0	-112.5	217.1	213.4	3.72	58.377		
1,200.0	1,189.1	1,176.9	1,175.9	3.2	2.1	-179.69	-3.0	-117.8	243.2	239.1	4.06	59.894		
1,300.0	1,286.9	1,273.5	1,272.3	3.6	2.3	-179.68	-3.0	-123.0	269.2	264.8	4.40	61.178		
1,400.0	1,384.7	1,370.0	1,368.7	4.0	2.5	-179.68	-3.0	-128.2	295.3	290.5	4.74	62.277		
1,500.0	1,482.5	1,466.6	1,465.1	4.4	2.7	-179.67	-3.0	-133.4	321.3	316.2	5.08	63.231		
1,600.0	1,580.3	1,563.1	1,561.6	4.8	2.9	-179.66	-3.0	-138.6	347.4	341.9	5.42	64.065		
1,700.0	1,678.1	1,659.7	1,658.0	5.2	3.1	-179.66	-3.0	-143.8	373.4	367.6	5.76	64.800		
1,800.0	1,775.9	1,756.2	1,754.4	5.6	3.3	-179.65	-3.0	-149.1	399.5	393.4	6.10	65.454		
1,900.0	1,873.8	1,852.7	1,850.8	6.0	3.5	-179.65	-3.0	-154.3	425.5	419.1	6.44	66.039		
2,000.0	1,971.6	1,949.3	1,947.2	6.4	3.7	-179.65	-3.0	-159.5	451.6	444.8	6.78	66.566		
2,100.0	2,069.4	2,045.8	2,043.6	6.8	3.9	-179.64	-3.1	-164.7	477.6	470.5	7.12	67.043		
2,200.0	2,167.2	2,142.4	2,140.0	7.2	4.1	-179.64	-3.1	-169.9	503.7	496.2	7.46	67.476		
2,300.0	2,265.0	2,238.9	2,236.4	7.6	4.2	-179.64	-3.1	-175.1	529.7	521.9	7.80	67.871		
2,400.0	2,362.8	2,335.5	2,332.8	8.0	4.4	-179.64	-3.1	-180.4	555.8	547.6	8.14	68.234		
2,500.0	2,460.6	2,432.0	2,429.2	8.4	4.6	-179.64	-3.1	-185.6	581.8	573.3	8.49	68.567		
2,600.0	2,558.4	2,528.6	2,525.6	8.8	4.8	-179.63	-3.1	-190.8	607.9	599.0	8.83	68.875		
2,700.0	2,656.3	2,625.1	2,622.0	9.2	5.0	-179.63	-3.1	-196.0	633.9	624.7	9.17	69.160		
2,800.0	2,754.1	2,721.7	2,718.4	9.6	5.2	-179.63	-3.1	-201.2	660.0	650.5	9.51	69.425		
2,900.0	2,851.9	2,818.2	2,814.8	10.1	5.4	-179.63	-3.1	-206.4	686.0	676.2	9.85	69.671		
3,000.0	2,949.7	2,914.8	2,911.2	10.5	5.6	-179.63	-3.1	-211.7	712.1	701.9	10.19	69.901		
3,100.0	3,047.5	3,011.3	3,007.6	10.9	5.8	-179.63	-3.1	-216.9	738.1	727.6	10.53	70.117		
3,200.0	3,145.3	3,107.9	3,104.1	11.3	6.0	-179.63	-3.2	-222.1	764.2	753.3	10.87	70.318		
3,300.0	3,243.1	3,204.4	3,200.5	11.7	6.2	-179.62	-3.2	-227.3	790.2	779.0	11.21	70.508		
3,400.0	3,341.0	3,301.0	3,296.9	12.1	6.3	-179.62	-3.2	-232.5	816.3	804.7	11.55	70.686		
3,500.0	3,438.8	3,397.5	3,393.3	12.5	6.5	-179.62	-3.2	-237.7	842.3	830.4	11.89	70.855		
3,600.0	3,536.6	3,494.0	3,489.7	12.9	6.7	-179.62	-3.2	-243.0	868.4	856.1	12.23	71.013		
3,700.0	3,634.4	3,590.6	3,586.1	13.3	6.9	-179.62	-3.2	-248.2	894.4	881.8	12.57	71.164		
3,800.0	3,732.2	3,687.1	3,682.5	13.7	7.1	-179.62	-3.2	-253.4	920.5	907.6	12.91	71.306		
3,900.0	3,830.0	3,783.7	3,778.9	14.1	7.3	-179.62	-3.2	-258.6	946.5	933.3	13.25	71.441		
4,000.0	3,927.8	3,880.2	3,875.3	14.6	7.5	-179.62	-3.2	-263.8	972.6	959.0	13.59	71.569		
4,100.0	4,025.6	3,976.8	3,971.7	15.0	7.7	-179.62	-3.2	-269.0	998.6	984.7	13.93	71.692		

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 1K-19H-B2681
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 1K-19H-B2681	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	-92.09	-2.5	-69.9	70.0					
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-2.5	-69.9	70.0	69.6	0.30	230.336		
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-2.5	-69.9	70.0	69.3	0.65	107.162		
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-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	179.97	-2.5	-69.9	71.7	70.3	1.35	53.094		
500.0	499.8	499.8	499.8	0.9	0.8	179.97	-2.5	-69.9	76.9	75.2	1.70	45.323		
600.0	599.5	599.1	599.1	1.1	1.0	180.00	-2.5	-70.2	86.0	83.9	2.04	42.117		
700.0	698.7	698.3	698.3	1.3	1.2	-179.98	-2.5	-70.6	98.5	96.1	2.38	41.341 SF		
800.0	797.5	797.1	797.1	1.7	1.4	-179.96	-2.5	-71.0	114.5	111.8	2.72	42.083		
900.2	895.8	895.4	895.4	2.0	1.5	-179.95	-2.5	-71.3	134.0	131.0	3.06	43.849		
1,000.0	993.4	992.9	992.9	2.4	1.7	-179.94	-2.4	-71.7	155.1	151.7	3.40	45.627		
1,100.0	1,091.2	1,090.6	1,090.6	2.8	1.9	-179.94	-2.4	-72.0	176.3	172.5	3.74	47.083		
1,200.0	1,189.1	1,188.4	1,188.3	3.2	2.1	-179.93	-2.4	-72.4	197.4	193.3	4.09	48.295		
1,300.0	1,286.9	1,286.1	1,286.1	3.6	2.2	-179.93	-2.4	-72.7	218.6	214.1	4.43	49.320		
1,400.0	1,384.7	1,383.8	1,383.8	4.0	2.4	-179.93	-2.3	-73.1	239.7	235.0	4.78	50.198		
1,500.0	1,482.5	1,481.6	1,481.6	4.4	2.6	-179.92	-2.3	-73.5	260.9	255.8	5.12	50.959		
1,600.0	1,580.3	1,579.3	1,579.3	4.8	2.7	-179.92	-2.3	-73.8	282.0	276.6	5.46	51.624		
1,700.0	1,678.1	1,677.0	1,677.0	5.2	2.9	-179.92	-2.3	-74.2	303.2	297.4	5.81	52.211		
1,800.0	1,775.9	1,774.8	1,774.8	5.6	3.1	-179.92	-2.2	-74.5	324.3	318.2	6.15	52.733		
1,900.0	1,873.8	1,872.5	1,872.5	6.0	3.2	-179.92	-2.2	-74.9	345.5	339.0	6.49	53.199		
2,000.0	1,971.6	1,970.3	1,970.2	6.4	3.4	-179.92	-2.2	-75.2	366.6	359.8	6.84	53.619		
2,100.0	2,069.4	2,068.0	2,068.0	6.8	3.6	-179.92	-2.2	-75.6	387.8	380.6	7.18	53.999		
2,200.0	2,167.2	2,165.7	2,165.7	7.2	3.8	-179.91	-2.1	-75.9	408.9	401.4	7.53	54.344		
2,300.0	2,265.0	2,263.5	2,263.5	7.6	3.9	-179.91	-2.1	-76.3	430.1	422.2	7.87	54.659		
2,400.0	2,362.8	2,361.2	2,361.2	8.0	4.1	-179.91	-2.1	-76.6	451.3	443.0	8.21	54.948		
2,500.0	2,460.6	2,458.9	2,458.9	8.4	4.3	-179.91	-2.1	-77.0	472.4	463.9	8.56	55.213		
2,600.0	2,558.4	2,556.7	2,556.7	8.8	4.4	-179.91	-2.0	-77.4	493.6	484.7	8.90	55.459		
2,700.0	2,656.3	2,654.4	2,654.4	9.2	4.6	-179.91	-2.0	-77.7	514.7	505.5	9.24	55.686		
2,800.0	2,754.1	2,752.1	2,752.1	9.6	4.8	-179.91	-2.0	-78.1	535.9	526.3	9.59	55.896		
2,900.0	2,851.9	2,849.9	2,849.9	10.1	5.0	-179.91	-2.0	-78.4	557.0	547.1	9.93	56.093		
3,000.0	2,949.7	2,947.6	2,947.6	10.5	5.1	-179.91	-1.9	-78.8	578.2	567.9	10.27	56.276		
3,100.0	3,047.5	3,045.4	3,045.3	10.9	5.3	-179.91	-1.9	-79.1	599.3	588.7	10.62	56.447		
3,200.0	3,145.3	3,143.1	3,143.1	11.3	5.5	-179.91	-1.9	-79.5	620.5	609.5	10.96	56.608		
3,300.0	3,243.1	3,240.8	3,240.8	11.7	5.6	-179.91	-1.9	-79.8	641.6	630.3	11.30	56.759		
3,400.0	3,341.0	3,338.6	3,338.6	12.1	5.8	-179.91	-1.8	-80.2	662.8	651.1	11.65	56.901		
3,500.0	3,438.8	3,436.3	3,436.3	12.5	6.0	-179.91	-1.8	-80.5	683.9	671.9	11.99	57.034		
3,600.0	3,536.6	3,534.0	3,534.0	12.9	6.1	-179.91	-1.8	-80.9	705.1	692.8	12.34	57.161		
3,700.0	3,634.4	3,631.8	3,631.8	13.3	6.3	-179.91	-1.8	-81.3	726.2	713.6	12.68	57.281		
3,800.0	3,732.2	3,729.5	3,729.5	13.7	6.5	-179.91	-1.7	-81.6	747.4	734.4	13.02	57.394		
3,900.0	3,830.0	3,827.3	3,827.2	14.1	6.7	-179.91	-1.7	-82.0	768.5	755.2	13.37	57.501		
4,000.0	3,927.8	3,925.0	3,925.0	14.6	6.8	-179.91	-1.7	-82.3	789.7	776.0	13.71	57.603		
4,100.0	4,025.6	4,022.7	4,022.7	15.0	7.0	-179.91	-1.7	-82.7	810.9	796.8	14.05	57.700		
4,200.0	4,123.5	4,120.5	4,120.4	15.4	7.2	-179.91	-1.6	-83.0	832.0	817.6	14.40	57.793		
4,300.0	4,221.3	4,218.2	4,218.2	15.8	7.3	-179.91	-1.6	-83.4	853.2	838.4	14.74	57.881		
4,400.0	4,319.1	4,315.9	4,315.9	16.2	7.5	-179.91	-1.6	-83.7	874.3	859.2	15.08	57.965		
4,500.0	4,416.9	4,413.7	4,413.7	16.6	7.7	-179.91	-1.6	-84.1	895.5	880.0	15.43	58.046		
4,600.0	4,514.7	4,511.4	4,511.4	17.0	7.9	-179.90	-1.5	-84.5	916.6	900.8	15.77	58.123		
4,700.0	4,612.5	4,609.2	4,609.1	17.4	8.0	-179.90	-1.5	-84.8	937.8	921.7	16.11	58.196		
4,800.0	4,710.3	4,706.9	4,706.9	17.8	8.2	-179.90	-1.5	-85.2	958.9	942.5	16.46	58.267		
4,900.0	4,808.2	4,804.6	4,804.6	18.2	8.4	-179.90	-1.5	-85.5	980.1	963.3	16.80	58.335		

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 1K-19H-B2681
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 1K-19H-B2681	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	-92.09	-2.2	-59.8	59.9					
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-2.2	-59.8	59.9	59.6	0.30	197.168		
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-2.2	-59.8	59.9	59.2	0.65	91.731		
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-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	179.97	-2.2	-59.8	61.6	60.3	1.35	45.635		
500.0	499.8	499.8	499.8	0.9	0.8	179.97	-2.2	-59.8	66.9	65.2	1.70	39.389		
600.0	599.5	599.5	599.5	1.1	1.0	179.97	-2.2	-59.8	75.6	73.5	2.04	37.006		
700.0	698.7	698.7	698.7	1.3	1.2	179.98	-2.2	-59.8	87.8	85.4	2.38	36.810	SF	
800.0	797.5	797.5	797.5	1.7	1.4	179.98	-2.2	-59.8	103.4	100.7	2.72	37.980		
900.2	895.8	895.8	895.8	2.0	1.5	179.98	-2.2	-59.8	122.5	119.5	3.06	40.075		
1,000.0	993.4	993.4	993.4	2.4	1.7	179.99	-2.2	-59.8	143.3	139.9	3.40	42.127		
1,100.0	1,091.2	1,091.2	1,091.2	2.8	1.9	179.99	-2.2	-59.8	164.1	160.3	3.75	43.807		
1,200.0	1,189.1	1,189.1	1,189.1	3.2	2.1	179.99	-2.2	-59.8	184.9	180.8	4.09	45.206		
1,300.0	1,286.9	1,286.9	1,286.9	3.6	2.2	179.99	-2.2	-59.8	205.7	201.2	4.43	46.388		
1,400.0	1,384.7	1,384.7	1,384.7	4.0	2.4	179.99	-2.2	-59.8	226.5	221.7	4.78	47.400		
1,500.0	1,482.5	1,482.5	1,482.5	4.4	2.6	179.99	-2.2	-59.8	247.3	242.1	5.12	48.277		
1,600.0	1,580.3	1,580.3	1,580.3	4.8	2.7	179.99	-2.2	-59.8	268.1	262.6	5.47	49.044		
1,700.0	1,678.1	1,678.1	1,678.1	5.2	2.9	179.99	-2.2	-59.8	288.9	283.1	5.81	49.721		
1,800.0	1,775.9	1,775.9	1,775.9	5.6	3.1	179.99	-2.2	-59.8	309.7	303.5	6.15	50.322		
1,900.0	1,873.8	1,873.8	1,873.8	6.0	3.2	179.99	-2.2	-59.8	330.5	324.0	6.50	50.859		
2,000.0	1,971.6	1,971.6	1,971.6	6.4	3.4	179.99	-2.2	-59.8	351.3	344.4	6.84	51.343		
2,100.0	2,069.4	2,069.4	2,069.4	6.8	3.6	179.99	-2.2	-59.8	372.1	364.9	7.19	51.781		
2,200.0	2,167.2	2,167.2	2,167.2	7.2	3.8	179.99	-2.2	-59.8	392.9	385.3	7.53	52.178		
2,300.0	2,265.0	2,265.0	2,265.0	7.6	3.9	180.00	-2.2	-59.8	413.7	405.8	7.87	52.541		
2,400.0	2,362.8	2,362.8	2,362.8	8.0	4.1	180.00	-2.2	-59.8	434.5	426.2	8.22	52.874		
2,500.0	2,460.6	2,460.6	2,460.6	8.4	4.3	180.00	-2.2	-59.8	455.3	446.7	8.56	53.180		
2,600.0	2,558.4	2,558.4	2,558.4	8.8	4.4	180.00	-2.2	-59.8	476.1	467.2	8.90	53.463		
2,700.0	2,656.3	2,656.3	2,656.3	9.2	4.6	180.00	-2.2	-59.8	496.9	487.6	9.25	53.724		
2,800.0	2,754.1	2,754.1	2,754.1	9.6	4.8	180.00	-2.2	-59.8	517.7	508.1	9.59	53.967		
2,900.0	2,851.9	2,851.9	2,851.9	10.1	5.0	180.00	-2.2	-59.8	538.5	528.5	9.94	54.193		
3,000.0	2,949.7	2,949.7	2,949.7	10.5	5.1	180.00	-2.2	-59.8	559.3	549.0	10.28	54.404		
3,100.0	3,047.5	3,047.5	3,047.5	10.9	5.3	180.00	-2.2	-59.8	580.0	569.4	10.62	54.601		
3,200.0	3,145.3	3,145.3	3,145.3	11.3	5.5	180.00	-2.2	-59.8	600.8	589.9	10.97	54.786		
3,300.0	3,243.1	3,243.1	3,243.1	11.7	5.6	180.00	-2.2	-59.8	621.6	610.3	11.31	54.960		
3,400.0	3,341.0	3,341.0	3,341.0	12.1	5.8	180.00	-2.2	-59.8	642.4	630.8	11.65	55.124		
3,500.0	3,438.8	3,438.8	3,438.8	12.5	6.0	180.00	-2.2	-59.8	663.2	651.2	12.00	55.278		
3,600.0	3,536.6	3,536.6	3,536.6	12.9	6.1	180.00	-2.2	-59.8	684.0	671.7	12.34	55.424		
3,700.0	3,634.4	3,634.4	3,634.4	13.3	6.3	180.00	-2.2	-59.8	704.8	692.2	12.69	55.561		
3,800.0	3,732.2	3,732.2	3,732.2	13.7	6.5	180.00	-2.2	-59.8	725.6	712.6	13.03	55.692		
3,900.0	3,830.0	3,830.0	3,830.0	14.1	6.7	180.00	-2.2	-59.8	746.4	733.1	13.37	55.815		
4,000.0	3,927.8	3,927.8	3,927.8	14.6	6.8	180.00	-2.2	-59.8	767.2	753.5	13.72	55.933		
4,100.0	4,025.6	4,035.4	4,035.4	15.0	7.0	180.00	-2.2	-59.6	787.9	773.8	14.08	55.967		
4,200.0	4,123.5	4,167.3	4,167.2	15.4	7.3	180.00	-2.0	-55.0	805.2	790.7	14.48	55.602		
4,300.0	4,221.3	4,266.1	4,265.8	15.8	7.4	180.00	-1.8	-49.6	820.6	805.8	14.83	55.344		
4,400.0	4,319.1	4,364.9	4,364.5	16.2	7.6	180.00	-1.6	-44.3	836.1	820.9	15.17	55.098		
4,500.0	4,416.9	4,463.7	4,463.1	16.6	7.8	180.00	-1.5	-38.9	851.5	836.0	15.52	54.863		
4,600.0	4,514.7	4,562.5	4,561.8	17.0	8.0	180.00	-1.3	-33.5	867.0	851.1	15.87	54.639		
4,700.0	4,612.5	4,661.3	4,660.5	17.4	8.1	179.99	-1.1	-28.2	882.4	866.2	16.21	54.423		
4,800.0	4,710.3	4,760.1	4,759.1	17.8	8.3	179.99	-0.9	-22.8	897.9	881.3	16.56	54.217		
4,900.0	4,808.2	4,858.9	4,857.8	18.2	8.5	179.99	-0.7	-17.4	913.4	896.4	16.91	54.020		
5,000.0	4,906.0	4,957.7	4,956.4	18.6	8.7	179.99	-0.5	-12.1	928.8	911.6	17.25	53.830		
5,100.0	5,003.8	5,056.5	5,055.1	19.1	8.9	179.99	-0.4	-6.7	944.3	926.7	17.60	53.648		

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 1K-19H-B2681
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 1K-19H-B2681	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	+N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis		Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)							
5,200.0	5,101.6	5,155.3	5,153.7	19.5	9.0	179.99	-0.2	-1.4	959.7	941.8	17.95	53.473						
5,300.0	5,199.4	5,254.1	5,252.4	19.9	9.2	179.99	0.0	4.0	975.2	956.9	18.29	53.304						
5,400.0	5,297.2	5,352.9	5,351.0	20.3	9.4	179.99	0.2	9.4	990.6	972.0	18.64	53.142						

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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: 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	-92.10	-1.8	-49.8	49.8						
100.0	100.0	100.0	100.0	0.2	0.2	-92.10	-1.8	-49.8	49.8	49.5	0.30	164.001			
200.0	200.0	200.0	200.0	0.3	0.3	-92.10	-1.8	-49.8	49.8	49.2	0.65	76.300			
300.0	300.0	300.0	300.0	0.5	0.5	-92.10	-1.8	-49.8	49.8	48.8	1.00	49.715 CC, ES			
400.0	400.0	400.0	400.0	0.7	0.7	179.96	-1.8	-49.8	51.6	50.2	1.35	38.176			
500.0	499.8	499.8	499.8	0.9	0.8	179.96	-1.8	-49.8	56.8	55.1	1.70	33.454			
600.0	599.5	599.5	599.5	1.1	1.0	179.97	-1.8	-49.8	65.5	63.5	2.04	32.073 SF			
700.0	698.7	698.7	698.7	1.3	1.2	179.97	-1.8	-49.8	77.7	75.3	2.38	32.585			
800.0	797.5	797.5	797.5	1.7	1.4	179.98	-1.8	-49.8	93.3	90.6	2.72	34.280			
900.2	895.8	895.8	895.8	2.0	1.5	179.98	-1.8	-49.8	112.5	109.4	3.06	36.781			
1,000.0	993.4	998.0	997.9	2.4	1.7	-180.00	-1.7	-48.1	131.6	128.2	3.41	38.605			
1,100.0	1,091.2	1,100.8	1,100.6	2.8	1.9	-179.95	-1.4	-42.8	147.3	143.6	3.76	39.150			
1,200.0	1,189.1	1,199.7	1,199.4	3.2	2.1	-179.89	-1.0	-36.5	161.9	157.7	4.11	39.372			
1,300.0	1,286.9	1,298.7	1,298.1	3.6	2.3	-179.85	-0.6	-30.2	176.4	171.9	4.46	39.560			
1,400.0	1,384.7	1,397.6	1,396.9	4.0	2.5	-179.82	-0.3	-23.9	190.9	186.1	4.81	39.722			
1,500.0	1,482.5	1,496.6	1,495.6	4.4	2.7	-179.78	0.1	-17.6	205.4	200.3	5.15	39.862			
1,600.0	1,580.3	1,595.5	1,594.3	4.8	2.9	-179.76	0.5	-11.3	220.0	214.5	5.50	39.985			
1,700.0	1,678.1	1,694.4	1,693.1	5.2	3.1	-179.73	0.9	-5.0	234.5	228.6	5.85	40.094			
1,800.0	1,775.9	1,793.4	1,791.8	5.6	3.2	-179.71	1.3	1.3	249.0	242.8	6.20	40.191			
1,900.0	1,873.8	1,892.3	1,890.5	6.0	3.4	-179.69	1.7	7.5	263.5	257.0	6.54	40.277			
2,000.0	1,971.6	1,991.3	1,989.3	6.4	3.6	-179.68	2.0	13.8	278.1	271.2	6.89	40.355			
2,100.0	2,069.4	2,090.2	2,088.0	6.8	3.8	-179.66	2.4	20.1	292.6	285.3	7.24	40.426			
2,200.0	2,167.2	2,189.1	2,186.8	7.2	4.0	-179.65	2.8	26.4	307.1	299.5	7.58	40.490			
2,300.0	2,265.0	2,288.1	2,285.5	7.6	4.2	-179.64	3.2	32.7	321.6	313.7	7.93	40.549			
2,400.0	2,362.8	2,387.0	2,384.2	8.0	4.4	-179.63	3.6	39.0	336.2	327.9	8.28	40.603			
2,500.0	2,460.6	2,485.9	2,483.0	8.4	4.6	-179.62	4.0	45.3	350.7	342.1	8.63	40.652			
2,600.0	2,558.4	2,584.9	2,581.7	8.8	4.8	-179.61	4.3	51.6	365.2	356.2	8.97	40.698			
2,700.0	2,656.3	2,683.8	2,680.4	9.2	5.0	-179.60	4.7	57.9	379.7	370.4	9.32	40.740			
2,800.0	2,754.1	2,782.8	2,779.2	9.6	5.3	-179.59	5.1	64.2	394.3	384.6	9.67	40.779			
2,900.0	2,851.9	2,881.7	2,877.9	10.1	5.5	-179.58	5.5	70.5	408.8	398.8	10.02	40.816			
3,000.0	2,949.7	2,980.6	2,976.7	10.5	5.7	-179.57	5.9	76.8	423.3	412.9	10.36	40.850			
3,100.0	3,047.5	3,079.6	3,075.4	10.9	5.9	-179.57	6.3	83.1	437.8	427.1	10.71	40.882			
3,200.0	3,145.3	3,178.5	3,174.1	11.3	6.1	-179.56	6.6	89.4	452.4	441.3	11.06	40.912			
3,300.0	3,243.1	3,277.5	3,272.9	11.7	6.3	-179.56	7.0	95.7	466.9	455.5	11.40	40.941			
3,400.0	3,341.0	3,376.4	3,371.6	12.1	6.5	-179.55	7.4	102.0	481.4	469.7	11.75	40.967			
3,500.0	3,438.8	3,475.3	3,470.4	12.5	6.7	-179.54	7.8	108.2	495.9	483.8	12.10	40.992			
3,600.0	3,536.6	3,574.3	3,569.1	12.9	6.9	-179.54	8.2	114.5	510.5	498.0	12.45	41.016			
3,700.0	3,634.4	3,673.2	3,667.8	13.3	7.1	-179.54	8.6	120.8	525.0	512.2	12.79	41.038			
3,800.0	3,732.2	3,772.2	3,766.6	13.7	7.3	-179.53	8.9	127.1	539.5	526.4	13.14	41.060			
3,900.0	3,830.0	3,871.1	3,865.3	14.1	7.5	-179.53	9.3	133.4	554.0	540.5	13.49	41.080			
4,000.0	3,927.8	3,970.0	3,964.0	14.6	7.7	-179.52	9.7	139.7	568.6	554.7	13.83	41.099			
4,100.0	4,025.6	4,069.0	4,062.8	15.0	7.9	-179.52	10.1	146.0	583.1	568.9	14.18	41.117			
4,200.0	4,123.5	4,167.9	4,161.5	15.4	8.1	-179.52	10.5	152.3	597.6	583.1	14.53	41.134			
4,300.0	4,221.3	4,266.9	4,260.3	15.8	8.3	-179.51	10.9	158.6	612.1	597.3	14.88	41.151			
4,400.0	4,319.1	4,365.8	4,359.0	16.2	8.5	-179.51	11.2	164.9	626.7	611.4	15.22	41.167			
4,500.0	4,416.9	4,464.7	4,457.7	16.6	8.7	-179.51	11.6	171.2	641.2	625.6	15.57	41.182			
4,600.0	4,514.7	4,563.7	4,556.5	17.0	8.9	-179.50	12.0	177.5	655.7	639.8	15.92	41.196			
4,700.0	4,612.5	4,662.6	4,655.2	17.4	9.1	-179.50	12.4	183.8	670.2	654.0	16.26	41.210			
4,800.0	4,710.3	4,761.6	4,754.0	17.8	9.3	-179.50	12.8	190.1	684.8	668.1	16.61	41.223			
4,900.0	4,808.2	4,860.5	4,852.7	18.2	9.5	-179.50	13.2	196.4	699.3	682.3	16.96	41.236			
5,000.0	4,906.0	4,959.4	4,951.4	18.6	9.7	-179.49	13.5	202.7	713.8	696.5	17.31	41.248			
5,100.0	5,003.8	5,058.4	5,050.2	19.1	9.9	-179.49	13.9	208.9	728.3	710.7	17.65	41.260			

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 1K-19H-B2681
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 1K-19H-B2681	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				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,200.0	5,101.6	5,157.3	5,148.9	19.5	10.1	-179.49	14.3	215.2	742.9	724.9	18.00	41.271		
5,300.0	5,199.4	5,256.3	5,247.6	19.9	10.3	-179.49	14.7	221.5	757.4	739.0	18.35	41.282		
5,400.0	5,297.2	5,355.2	5,346.4	20.3	10.5	-179.48	15.1	227.8	771.9	753.2	18.69	41.292		
5,500.0	5,395.0	5,454.1	5,445.1	20.7	10.7	-179.48	15.5	234.1	786.4	767.4	19.04	41.302		
5,600.0	5,492.8	5,553.1	5,543.9	21.1	10.9	-179.48	15.8	240.4	801.0	781.6	19.39	41.312		
5,700.0	5,590.7	5,652.0	5,642.6	21.5	11.2	-179.48	16.2	246.7	815.5	795.8	19.74	41.321		
5,800.0	5,688.5	5,751.0	5,741.3	21.9	11.4	-179.48	16.6	253.0	830.0	809.9	20.08	41.331		
5,900.0	5,786.3	5,849.9	5,840.1	22.3	11.6	-179.47	17.0	259.3	844.5	824.1	20.43	41.339		
6,000.0	5,884.1	5,948.8	5,938.8	22.7	11.8	-179.47	17.4	265.6	859.1	838.3	20.78	41.348		
6,100.0	5,981.9	6,047.8	6,037.6	23.1	12.0	-179.47	17.8	271.9	873.6	852.5	21.12	41.356		
6,200.0	6,079.7	6,146.7	6,136.3	23.6	12.2	-179.47	18.1	278.2	888.1	866.6	21.47	41.364		
6,300.0	6,177.5	6,245.6	6,235.0	24.0	12.4	-179.47	18.5	284.5	902.6	880.8	21.82	41.371		
6,400.0	6,275.3	6,344.6	6,333.8	24.4	12.6	-179.47	18.9	290.8	917.2	895.0	22.17	41.379		
6,500.0	6,373.2	6,443.5	6,432.5	24.8	12.8	-179.47	19.3	297.1	931.7	909.2	22.51	41.386		
6,600.0	6,471.0	6,542.5	6,531.2	25.2	13.0	-179.46	19.7	303.4	946.2	923.4	22.86	41.393		
6,700.0	6,568.8	6,641.1	6,629.7	25.6	13.2	-179.47	20.0	309.6	960.7	937.5	23.21	41.401		
6,800.0	6,666.6	6,735.9	6,724.0	26.0	13.4	-179.89	13.2	315.6	975.5	952.0	23.54	41.436		
6,900.0	6,764.4	6,827.2	6,813.1	26.4	13.6	179.02	-5.2	321.3	990.9	967.0	23.89	41.474		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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							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	-92.09	-1.5	-40.0	40.0					
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-1.5	-40.0	40.0	39.7	0.30	131.752	CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-1.5	-40.0	40.0	39.4	0.65	61.297		
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-1.5	-40.0	40.0	39.0	1.00	39.939		
400.0	400.0	400.0	400.0	0.7	0.7	179.97	-1.5	-40.0	41.8	40.4	1.35	30.923		
500.0	499.8	499.8	499.8	0.9	0.8	179.98	-1.5	-40.0	47.0	45.3	1.70	27.684		
600.0	599.5	599.5	599.5	1.1	1.0	179.98	-1.5	-40.0	55.7	53.7	2.04	27.278		
700.0	698.7	698.7	698.7	1.3	1.2	179.98	-1.5	-40.0	67.9	65.5	2.38	28.477		
800.0	797.5	800.4	800.3	1.7	1.4	179.99	-1.4	-38.2	81.8	79.1	2.73	29.999		
900.2	895.8	902.8	902.6	2.0	1.6	-179.98	-1.2	-32.8	95.7	92.7	3.07	31.174		
1,000.0	993.4	1,002.4	1,001.9	2.4	1.8	-179.96	-0.8	-25.2	108.9	105.5	3.42	31.849		
1,100.0	1,091.2	1,101.5	1,100.7	2.8	2.0	-179.94	-0.5	-17.5	122.1	118.3	3.77	32.393		
1,200.0	1,189.1	1,200.6	1,199.6	3.2	2.2	-179.93	-0.2	-9.8	135.2	131.1	4.12	32.846		
1,300.0	1,286.9	1,299.7	1,298.4	3.6	2.4	-179.91	0.1	-2.1	148.3	143.9	4.46	33.229		
1,400.0	1,384.7	1,398.9	1,397.2	4.0	2.6	-179.90	0.5	5.6	161.5	156.7	4.81	33.557		
1,500.0	1,482.5	1,498.0	1,496.1	4.4	2.8	-179.89	0.8	13.3	174.6	169.5	5.16	33.841		
1,600.0	1,580.3	1,597.1	1,594.9	4.8	3.0	-179.89	1.1	20.9	187.8	182.3	5.51	34.090		
1,700.0	1,678.1	1,696.3	1,693.7	5.2	3.2	-179.88	1.5	28.6	200.9	195.1	5.86	34.310		
1,800.0	1,775.9	1,795.4	1,792.6	5.6	3.4	-179.87	1.8	36.3	214.1	207.9	6.20	34.505		
1,900.0	1,873.8	1,894.5	1,891.4	6.0	3.6	-179.87	2.1	44.0	227.2	220.7	6.55	34.679		
2,000.0	1,971.6	1,993.7	1,990.2	6.4	3.8	-179.86	2.4	51.7	240.4	233.5	6.90	34.836		
2,100.0	2,069.4	2,092.8	2,089.1	6.8	4.1	-179.86	2.8	59.4	253.5	246.3	7.25	34.978		
2,200.0	2,167.2	2,191.9	2,187.9	7.2	4.3	-179.85	3.1	67.1	266.7	259.1	7.60	35.107		
2,300.0	2,265.0	2,291.1	2,286.7	7.6	4.5	-179.85	3.4	74.7	279.8	271.9	7.94	35.225		
2,400.0	2,362.8	2,390.2	2,385.6	8.0	4.7	-179.85	3.7	82.4	293.0	284.7	8.29	35.333		
2,500.0	2,460.6	2,489.3	2,484.4	8.4	4.9	-179.85	4.1	90.1	306.1	297.5	8.64	35.433		
2,600.0	2,558.4	2,588.5	2,583.2	8.8	5.1	-179.84	4.4	97.8	319.3	310.3	8.99	35.524		
2,700.0	2,656.3	2,687.6	2,682.1	9.2	5.3	-179.84	4.7	105.5	332.4	323.1	9.33	35.609		
2,800.0	2,754.1	2,786.7	2,780.9	9.6	5.6	-179.84	5.0	113.2	345.5	335.9	9.68	35.688		
2,900.0	2,851.9	2,885.9	2,879.7	10.1	5.8	-179.84	5.4	120.9	358.7	348.7	10.03	35.762		
3,000.0	2,949.7	2,985.0	2,978.6	10.5	6.0	-179.83	5.7	128.5	371.8	361.5	10.38	35.830		
3,100.0	3,047.5	3,084.1	3,077.4	10.9	6.2	-179.83	6.0	136.2	385.0	374.3	10.73	35.894		
3,200.0	3,145.3	3,183.3	3,176.2	11.3	6.4	-179.83	6.3	143.9	398.1	387.1	11.07	35.954		
3,300.0	3,243.1	3,282.4	3,275.1	11.7	6.7	-179.83	6.7	151.6	411.3	399.9	11.42	36.011		
3,400.0	3,341.0	3,381.5	3,373.9	12.1	6.9	-179.83	7.0	159.3	424.4	412.7	11.77	36.064		
3,500.0	3,438.8	3,480.7	3,472.7	12.5	7.1	-179.83	7.3	167.0	437.6	425.5	12.12	36.114		
3,600.0	3,536.6	3,579.8	3,571.6	12.9	7.3	-179.82	7.6	174.6	450.7	438.3	12.46	36.161		
3,700.0	3,634.4	3,678.9	3,670.4	13.3	7.5	-179.82	8.0	182.3	463.9	451.0	12.81	36.206		
3,800.0	3,732.2	3,778.0	3,769.2	13.7	7.7	-179.82	8.3	190.0	477.0	463.8	13.16	36.249		
3,900.0	3,830.0	3,877.2	3,868.1	14.1	8.0	-179.82	8.6	197.7	490.2	476.6	13.51	36.289		
4,000.0	3,927.8	3,976.3	3,966.9	14.6	8.2	-179.82	8.9	205.4	503.3	489.4	13.85	36.327		
4,100.0	4,025.6	4,075.4	4,065.7	15.0	8.4	-179.82	9.3	213.1	516.4	502.2	14.20	36.363		
4,200.0	4,123.5	4,174.6	4,164.5	15.4	8.6	-179.82	9.6	220.8	529.6	515.0	14.55	36.398		
4,300.0	4,221.3	4,273.7	4,263.4	15.8	8.8	-179.82	9.9	228.4	542.7	527.8	14.90	36.431		
4,400.0	4,319.1	4,372.8	4,362.2	16.2	9.1	-179.82	10.3	236.1	555.9	540.6	15.25	36.463		
4,500.0	4,416.9	4,472.0	4,461.0	16.6	9.3	-179.82	10.6	243.8	569.0	553.4	15.59	36.493		
4,600.0	4,514.7	4,571.1	4,559.9	17.0	9.5	-179.82	10.9	251.5	582.2	566.2	15.94	36.522		
4,700.0	4,612.5	4,670.2	4,658.7	17.4	9.7	-179.81	11.2	259.2	595.3	579.0	16.29	36.549		
4,800.0	4,710.3	4,769.4	4,757.5	17.8	9.9	-179.81	11.6	266.9	608.5	591.8	16.64	36.576		
4,900.0	4,808.2	4,868.5	4,856.4	18.2	10.1	-179.81	11.9	274.6	621.6	604.6	16.98	36.601		
5,000.0	4,906.0	4,967.6	4,955.2	18.6	10.4	-179.81	12.2	282.2	634.8	617.4	17.33	36.625		
5,100.0	5,003.8	5,066.8	5,054.0	19.1	10.6	-179.81	12.5	289.9	647.9	630.2	17.68	36.649		

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 1K-19H-B2681
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 1K-19H-B2681	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						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,101.6	5,165.9	5,152.9	19.5	10.8	-179.81	12.9	297.6	661.1	643.0	18.03	36.671		
5,300.0	5,199.4	5,265.0	5,251.7	19.9	11.0	-179.81	13.2	305.3	674.2	655.8	18.37	36.693		
5,400.0	5,297.2	5,364.2	5,350.5	20.3	11.2	-179.81	13.5	313.0	687.4	668.6	18.72	36.714		
5,500.0	5,395.0	5,463.3	5,449.4	20.7	11.5	-179.81	13.8	320.7	700.5	681.4	19.07	36.734		
5,600.0	5,492.8	5,562.4	5,548.2	21.1	11.7	-179.81	14.2	328.4	713.6	694.2	19.42	36.753		
5,700.0	5,590.7	5,661.6	5,647.0	21.5	11.9	-179.81	14.5	336.0	726.8	707.0	19.76	36.772		
5,800.0	5,688.5	5,760.7	5,745.9	21.9	12.1	-179.81	14.8	343.7	739.9	719.8	20.11	36.790		
5,900.0	5,786.3	5,859.8	5,844.7	22.3	12.3	-179.81	15.1	351.4	753.1	732.6	20.46	36.807		
6,000.0	5,884.1	5,959.0	5,943.5	22.7	12.5	-179.81	15.5	359.1	766.2	745.4	20.81	36.824		
6,100.0	5,981.9	6,058.1	6,042.4	23.1	12.8	-179.81	15.8	366.8	779.4	758.2	21.16	36.840		
6,200.0	6,079.7	6,157.2	6,141.2	23.6	13.0	-179.81	16.1	374.5	792.5	771.0	21.50	36.856		
6,300.0	6,177.5	6,256.4	6,240.0	24.0	13.2	-179.81	16.4	382.1	805.7	783.8	21.85	36.871		
6,400.0	6,275.3	6,355.5	6,338.9	24.4	13.4	-179.81	16.8	389.8	818.8	796.6	22.20	36.886		
6,500.0	6,373.2	6,454.6	6,437.7	24.8	13.6	-179.81	17.1	397.5	832.0	809.4	22.55	36.900		
6,600.0	6,471.0	6,553.7	6,536.5	25.2	13.9	-179.80	17.4	405.2	845.1	822.2	22.89	36.914		
6,700.0	6,568.8	6,652.9	6,635.4	25.6	14.1	-179.80	17.7	412.9	858.3	835.0	23.24	36.928		
6,800.0	6,666.6	6,751.4	6,733.6	26.0	14.3	-179.81	17.9	420.5	871.4	847.8	23.59	36.943		
6,900.0	6,764.4	6,845.9	6,827.4	26.4	14.5	179.65	10.0	427.8	884.9	860.9	23.93	36.978		
6,997.9	6,860.2	6,934.7	6,913.9	26.8	14.7	178.44	-8.6	434.5	898.9	874.6	24.29	37.000		
7,000.0	6,862.2	6,936.5	6,915.7	26.8	14.7	177.61	-9.1	434.7	899.2	874.9	24.30	36.998		
7,050.0	6,911.1	6,980.2	6,957.2	27.0	14.8	157.97	-22.3	437.9	906.7	882.1	24.56	36.916		
7,100.0	6,959.8	7,023.3	6,997.2	27.2	14.9	141.36	-37.8	441.0	914.4	889.5	24.88	36.755		
7,150.0	7,007.9	7,065.8	7,035.8	27.4	15.0	128.71	-55.4	444.0	922.1	896.8	25.25	36.515		
7,200.0	7,055.4	7,107.8	7,072.8	27.6	15.1	119.32	-75.0	446.9	929.7	904.1	25.68	36.202		
7,250.0	7,102.0	7,150.0	7,108.8	27.8	15.3	112.25	-96.9	449.7	937.4	911.2	26.17	35.820		
7,300.0	7,147.4	7,190.4	7,142.1	28.0	15.4	106.81	-119.8	452.3	944.9	918.2	26.70	35.395		
7,350.0	7,191.5	7,231.2	7,174.2	28.2	15.6	102.47	-144.7	454.8	952.2	924.9	27.26	34.928		
7,400.0	7,233.9	7,271.6	7,204.6	28.4	15.7	98.95	-171.3	457.1	959.3	931.5	27.85	34.440		
7,450.0	7,274.6	7,311.8	7,233.2	28.6	15.9	96.02	-199.2	459.4	966.1	937.7	28.46	33.943		
7,500.0	7,313.3	7,350.0	7,259.1	28.8	16.1	93.58	-227.4	461.4	972.7	943.6	29.07	33.463		
7,550.0	7,349.8	7,391.2	7,285.2	29.0	16.4	91.48	-259.2	463.4	978.8	949.1	29.70	32.951		
7,600.0	7,383.9	7,430.6	7,308.4	29.2	16.6	89.70	-291.0	465.2	984.5	954.2	30.33	32.467		
7,650.0	7,415.5	7,469.9	7,329.7	29.5	16.9	88.18	-323.9	466.9	989.9	958.9	30.94	31.997		
7,700.0	7,444.4	7,509.0	7,349.2	29.7	17.2	86.88	-357.7	468.4	994.7	963.2	31.53	31.544		
7,750.0	7,470.5	7,550.0	7,367.6	30.0	17.5	85.77	-394.4	469.8	999.0	966.9	32.14	31.082		
11,800.0	7,566.0	11,707.3	7,435.0	83.1	82.8	82.31	-4,539.4	509.7	999.2	839.5	159.64	6.259		
11,900.0	7,566.0	11,934.9	7,435.0	84.8	86.7	81.81	-4,758.6	570.3	972.7	807.8	164.92	5.898		
12,000.0	7,566.0	11,962.7	7,435.0	86.4	87.2	81.72	-4,784.8	579.8	942.1	775.0	167.06	5.639		
12,100.0	7,566.0	11,962.7	7,435.0	88.1	87.2	81.72	-4,784.8	579.8	921.2	752.4	168.77	5.458		
12,200.0	7,566.0	11,962.7	7,435.0	89.7	87.2	81.72	-4,784.8	579.8	910.8	740.3	170.49	5.342		
12,228.3	7,566.0	11,962.7	7,435.0	90.2	87.2	81.72	-4,784.8	579.8	909.9	738.9	170.98	5.322 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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		
0.0	0.0	0.0	0.0	0.0	0.0	-92.08	-1.1	-29.9	29.9					
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-1.1	-29.9	29.9	29.6	0.30	98.584		
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-1.1	-29.9	29.9	29.3	0.65	45.865		
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-1.1	-29.9	29.9	28.9	1.00	29.884	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	179.98	-1.1	-29.9	31.7	30.3	1.35	23.464		
500.0	499.8	499.8	499.8	0.9	0.8	179.98	-1.1	-29.9	36.9	35.2	1.70	21.750		
600.0	599.5	599.5	599.5	1.1	1.0	179.98	-1.1	-29.9	45.6	43.6	2.04	22.345		
700.0	698.7	700.7	700.7	1.3	1.2	-180.00	-1.0	-28.2	56.1	53.7	2.39	23.489		
800.0	797.5	802.3	802.2	1.7	1.4	-179.96	-0.8	-22.8	66.5	63.8	2.73	24.336		
900.2	895.8	904.6	904.0	2.0	1.6	-179.91	-0.4	-13.8	76.8	73.8	3.08	24.985		
1,000.0	993.4	1,005.5	1,004.2	2.4	1.8	-179.85	0.2	-1.6	85.7	82.3	3.43	25.001		
1,100.0	1,091.2	1,105.2	1,103.1	2.8	2.1	-179.81	0.7	10.9	94.0	90.3	3.78	24.887		
1,200.0	1,189.1	1,204.8	1,201.9	3.2	2.3	-179.76	1.3	23.4	102.4	98.2	4.13	24.793		
1,300.0	1,286.9	1,304.5	1,300.8	3.6	2.6	-179.73	1.8	35.9	110.7	106.2	4.48	24.715		
1,400.0	1,384.7	1,404.1	1,399.7	4.0	2.8	-179.70	2.4	48.5	119.0	114.2	4.83	24.648		
1,500.0	1,482.5	1,503.8	1,498.5	4.4	3.1	-179.67	2.9	61.0	127.3	122.2	5.18	24.591		
1,600.0	1,580.3	1,603.4	1,597.4	4.8	3.4	-179.65	3.5	73.5	135.7	130.1	5.53	24.541		
1,700.0	1,678.1	1,703.1	1,696.2	5.2	3.6	-179.63	4.0	86.0	144.0	138.1	5.88	24.497		
1,800.0	1,775.9	1,802.7	1,795.1	5.6	3.9	-179.61	4.6	98.6	152.3	146.1	6.23	24.459		
1,900.0	1,873.8	1,902.4	1,894.0	6.0	4.2	-179.60	5.1	111.1	160.7	154.1	6.58	24.424		
2,000.0	1,971.6	2,002.1	1,992.8	6.4	4.5	-179.58	5.7	123.6	169.0	162.1	6.93	24.394		
2,100.0	2,069.4	2,101.7	2,091.7	6.8	4.7	-179.57	6.2	136.2	177.3	170.0	7.28	24.366		
2,200.0	2,167.2	2,201.4	2,190.5	7.2	5.0	-179.56	6.8	148.7	185.6	178.0	7.63	24.341		
2,300.0	2,265.0	2,301.0	2,289.4	7.6	5.3	-179.54	7.3	161.2	194.0	186.0	7.98	24.318		
2,400.0	2,362.8	2,400.7	2,388.3	8.0	5.6	-179.53	7.9	173.7	202.3	194.0	8.33	24.297		
2,500.0	2,460.6	2,500.3	2,487.1	8.4	5.8	-179.52	8.4	186.3	210.6	201.9	8.68	24.278		
2,600.0	2,558.4	2,600.0	2,586.0	8.8	6.1	-179.52	9.0	198.8	219.0	209.9	9.03	24.260		
2,700.0	2,656.3	2,699.6	2,684.9	9.2	6.4	-179.51	9.5	211.3	227.3	217.9	9.37	24.244		
2,800.0	2,754.1	2,799.3	2,783.7	9.6	6.7	-179.50	10.1	223.8	235.6	225.9	9.72	24.229		
2,900.0	2,851.9	2,898.9	2,882.6	10.1	7.0	-179.49	10.6	236.4	243.9	233.9	10.07	24.215		
3,000.0	2,949.7	2,998.6	2,981.4	10.5	7.2	-179.49	11.2	248.9	252.3	241.8	10.42	24.202		
3,100.0	3,047.5	3,098.2	3,080.3	10.9	7.5	-179.48	11.7	261.4	260.6	249.8	10.77	24.190		
3,200.0	3,145.3	3,197.9	3,179.2	11.3	7.8	-179.48	12.3	273.9	268.9	257.8	11.12	24.178		
3,300.0	3,243.1	3,297.5	3,278.0	11.7	8.1	-179.47	12.9	286.5	277.2	265.8	11.47	24.167		
3,400.0	3,341.0	3,397.2	3,376.9	12.1	8.3	-179.47	13.4	299.0	285.6	273.8	11.82	24.157		
3,500.0	3,438.8	3,496.8	3,475.7	12.5	8.6	-179.46	14.0	311.5	293.9	281.7	12.17	24.148		
3,600.0	3,536.6	3,596.5	3,574.6	12.9	8.9	-179.46	14.5	324.0	302.2	289.7	12.52	24.139		
3,700.0	3,634.4	3,696.1	3,673.5	13.3	9.2	-179.45	15.1	336.6	310.6	297.7	12.87	24.130		
3,800.0	3,732.2	3,795.8	3,772.3	13.7	9.5	-179.45	15.6	349.1	318.9	305.7	13.22	24.122		
3,900.0	3,830.0	3,895.5	3,871.2	14.1	9.7	-179.44	16.2	361.6	327.2	313.6	13.57	24.115		
4,000.0	3,927.8	3,995.1	3,970.0	14.6	10.0	-179.44	16.7	374.1	335.5	321.6	13.92	24.108		
4,100.0	4,025.6	4,094.8	4,068.9	15.0	10.3	-179.44	17.3	386.7	343.9	329.6	14.27	24.101		
4,200.0	4,123.5	4,194.4	4,167.8	15.4	10.6	-179.43	17.8	399.2	352.2	337.6	14.62	24.094		
4,300.0	4,221.3	4,294.1	4,266.6	15.8	10.9	-179.43	18.4	411.7	360.5	345.6	14.97	24.088		
4,400.0	4,319.1	4,393.7	4,365.5	16.2	11.1	-179.43	18.9	424.2	368.9	353.5	15.32	24.082		
4,500.0	4,416.9	4,493.4	4,464.3	16.6	11.4	-179.42	19.5	436.8	377.2	361.5	15.67	24.077		
4,600.0	4,514.7	4,593.0	4,563.2	17.0	11.7	-179.42	20.0	449.3	385.5	369.5	16.02	24.071		
4,700.0	4,612.5	4,692.7	4,662.1	17.4	12.0	-179.42	20.6	461.8	393.8	377.5	16.37	24.066		
4,800.0	4,710.3	4,792.3	4,760.9	17.8	12.3	-179.42	21.1	474.3	402.2	385.5	16.71	24.061		
4,900.0	4,808.2	4,892.0	4,859.8	18.2	12.5	-179.41	21.7	486.9	410.5	393.4	17.06	24.056		
5,000.0	4,906.0	4,991.6	4,958.6	18.6	12.8	-179.41	22.2	499.4	418.8	401.4	17.41	24.052		
5,100.0	5,003.8	5,091.3	5,057.5	19.1	13.1	-179.41	22.8	511.9	427.2	409.4	17.76	24.047		

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 1K-19H-B2681
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 1K-19H-B2681	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		
5,200.0	5,101.6	5,190.9	5,156.4	19.5	13.4	-179.41	23.3	524.4	435.5	417.4	18.11	24.043		
5,300.0	5,199.4	5,290.6	5,255.2	19.9	13.7	-179.41	23.9	537.0	443.8	425.3	18.46	24.039		
5,400.0	5,297.2	5,390.2	5,354.1	20.3	13.9	-179.40	24.4	549.5	452.1	433.3	18.81	24.035		
5,500.0	5,395.0	5,489.9	5,453.0	20.7	14.2	-179.40	25.0	562.0	460.5	441.3	19.16	24.032		
5,600.0	5,492.8	5,589.5	5,551.8	21.1	14.5	-179.40	25.5	574.5	468.8	449.3	19.51	24.028		
5,700.0	5,590.7	5,689.2	5,650.7	21.5	14.8	-179.40	26.1	587.1	477.1	457.3	19.86	24.024		
5,800.0	5,688.5	5,788.9	5,749.5	21.9	15.1	-179.40	26.7	599.6	485.5	465.2	20.21	24.021		
5,900.0	5,786.3	5,888.5	5,848.4	22.3	15.3	-179.39	27.2	612.1	493.8	473.2	20.56	24.018		
6,000.0	5,884.1	5,988.2	5,947.3	22.7	15.6	-179.39	27.8	624.6	502.1	481.2	20.91	24.015		
6,100.0	5,981.9	6,087.8	6,046.1	23.1	15.9	-179.39	28.3	637.2	510.4	489.2	21.26	24.012		
6,200.0	6,079.7	6,187.5	6,145.0	23.6	16.2	-179.39	28.9	649.7	518.8	497.2	21.61	24.009		
6,300.0	6,177.5	6,287.1	6,243.8	24.0	16.5	-179.39	29.4	662.2	527.1	505.1	21.96	24.006		
6,400.0	6,275.3	6,386.8	6,342.7	24.4	16.7	-179.39	30.0	674.7	535.4	513.1	22.31	24.003		
6,500.0	6,373.2	6,486.4	6,441.6	24.8	17.0	-179.39	30.5	687.3	543.7	521.1	22.66	24.001		
6,600.0	6,471.0	6,586.1	6,540.4	25.2	17.3	-179.38	31.1	699.8	552.1	529.1	23.01	23.998		
6,700.0	6,568.8	6,685.7	6,639.3	25.6	17.6	-179.38	31.6	712.3	560.4	537.1	23.35	23.995		
6,800.0	6,666.6	6,785.4	6,738.1	26.0	17.9	-179.38	32.2	724.8	568.7	545.0	23.70	23.993		
6,900.0	6,764.4	6,885.0	6,837.0	26.4	18.1	-179.38	32.7	737.4	577.1	553.0	24.05	23.991		
6,997.9	6,860.2	6,980.3	6,931.4	26.8	18.4	-179.83	28.7	749.3	585.4	561.0	24.39	24.004		
7,000.0	6,862.2	6,982.3	6,933.3	26.8	18.4	179.36	28.5	749.6	585.6	561.2	24.39	24.004		
7,050.0	6,911.1	7,030.1	6,980.2	27.0	18.5	160.20	21.6	755.5	590.0	565.4	24.58	24.003		
7,100.0	6,959.8	7,077.6	7,026.3	27.2	18.7	144.05	11.7	761.2	594.4	569.6	24.80	23.971		
7,150.0	7,007.9	7,124.7	7,071.3	27.4	18.8	131.84	-1.2	766.9	598.9	573.8	25.04	23.915		
7,200.0	7,055.4	7,171.6	7,115.1	27.6	18.9	122.88	-16.9	772.3	603.3	578.0	25.34	23.805		
7,250.0	7,102.0	7,218.1	7,157.5	27.8	19.1	116.23	-35.3	777.6	607.7	582.0	25.69	23.658		
7,300.0	7,147.4	7,264.5	7,198.5	28.0	19.2	111.17	-56.4	782.7	612.1	586.0	26.08	23.470		
7,350.0	7,191.5	7,310.6	7,237.8	28.2	19.3	107.20	-79.9	787.6	616.3	589.8	26.51	23.243		
7,400.0	7,233.9	7,356.4	7,275.3	28.4	19.5	104.02	-105.9	792.2	620.4	593.4	27.00	22.982		
7,450.0	7,274.6	7,402.1	7,311.0	28.6	19.7	101.42	-134.0	796.6	624.4	596.9	27.52	22.690		
7,500.0	7,313.3	7,447.6	7,344.7	28.8	19.9	99.26	-164.3	800.7	628.2	600.1	28.08	22.373		
7,550.0	7,349.8	7,492.9	7,376.3	29.0	20.1	97.45	-196.6	804.5	631.8	603.1	28.67	22.034		
7,600.0	7,383.9	7,538.1	7,405.8	29.2	20.3	95.92	-230.7	808.1	635.2	605.9	29.30	21.680		
7,650.0	7,415.5	7,583.2	7,433.0	29.5	20.5	94.63	-266.5	811.3	638.3	608.4	29.95	21.316		
7,700.0	7,444.4	7,628.2	7,457.8	29.7	20.8	93.53	-303.9	814.3	641.2	610.6	30.62	20.943		
7,750.0	7,470.5	7,673.1	7,480.2	30.0	21.0	92.62	-342.6	816.9	643.8	612.5	31.31	20.567		
7,800.0	7,493.7	7,717.9	7,500.2	30.2	21.3	91.85	-382.7	819.2	646.2	614.2	32.01	20.187		
7,850.0	7,513.8	7,762.7	7,517.6	30.5	21.7	91.23	-423.9	821.2	648.3	615.5	32.73	19.805		
7,900.0	7,530.7	7,807.4	7,532.4	30.8	22.0	90.74	-466.1	822.9	650.0	616.5	33.47	19.423		
7,950.0	7,544.4	7,850.0	7,544.0	31.1	22.4	90.37	-507.0	824.1	651.4	617.3	34.19	19.055		
8,000.0	7,554.8	7,896.9	7,554.0	31.5	22.8	90.12	-552.8	825.2	652.6	617.6	34.98	18.657		
8,050.0	7,561.8	7,941.6	7,560.8	31.8	23.2	89.98	-597.0	825.8	653.4	617.6	35.76	18.272		
8,100.0	7,565.5	7,986.4	7,564.8	32.1	23.6	89.95	-641.6	826.1	653.8	617.3	36.55	17.888		
8,128.3	7,566.0	8,011.8	7,565.8	32.3	23.8	89.98	-666.9	826.1	653.9	616.9	37.01	17.670		
8,200.0	7,566.0	8,081.5	7,566.0	32.9	24.5	90.00	-736.7	825.7	654.3	615.4	38.85	16.842		
8,300.0	7,566.0	8,181.5	7,566.0	33.7	25.6	90.00	-836.7	825.2	654.8	613.2	41.56	15.756		
8,400.0	7,566.0	8,281.5	7,566.0	34.6	26.8	90.00	-936.7	824.7	655.3	610.9	44.38	14.766		
8,500.0	7,566.0	8,381.5	7,566.0	35.5	28.0	90.00	-1,036.7	824.2	655.8	608.5	47.29	13.867		
8,600.0	7,566.0	8,481.5	7,566.0	36.5	29.2	90.00	-1,136.7	823.7	656.3	606.0	50.28	13.053		
8,700.0	7,566.0	8,581.5	7,566.0	37.6	30.5	90.00	-1,236.7	823.2	656.8	603.5	53.34	12.315		
8,800.0	7,566.0	8,681.5	7,566.0	38.7	31.9	90.00	-1,336.7	822.7	657.4	600.9	56.44	11.647		
8,900.0	7,566.0	8,781.5	7,566.0	39.8	33.3	90.00	-1,436.7	822.1	657.9	598.3	59.59	11.040		
9,000.0	7,566.0	8,881.5	7,566.0	41.0	34.7	90.00	-1,536.7	821.6	658.4	595.6	62.78	10.487		

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 1K-19H-B2681
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 1K-19H-B2681	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						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
9,100.0	7,566.0	9,981.5	7,566.0	42.3	36.2	90.00	-1,636.7	821.1	658.9	592.9	66.00	9.983	
9,200.0	7,566.0	9,081.5	7,566.0	43.5	37.7	90.00	-1,736.7	820.6	659.4	590.2	69.25	9.522	
9,300.0	7,566.0	9,181.5	7,566.0	44.8	39.2	90.00	-1,836.7	820.1	659.9	587.4	72.52	9.100	
9,400.0	7,566.0	9,281.5	7,566.0	46.2	40.7	90.00	-1,936.7	819.6	660.5	584.6	75.82	8.711	
9,500.0	7,566.0	9,381.5	7,566.0	47.5	42.2	90.00	-2,036.7	819.0	661.0	581.8	79.13	8.353	
9,600.0	7,566.0	9,481.5	7,566.0	48.9	43.8	90.00	-2,136.7	818.5	661.5	579.0	82.46	8.022	
9,700.0	7,566.0	9,581.5	7,566.0	50.4	45.4	90.00	-2,236.7	818.0	662.0	576.2	85.80	7.715	
9,800.0	7,566.0	9,681.5	7,566.0	51.8	46.9	90.00	-2,336.7	817.5	662.5	573.4	89.16	7.431	
9,900.0	7,566.0	9,781.5	7,566.0	53.2	48.5	90.00	-2,436.7	817.0	663.0	570.5	92.53	7.166	
10,000.0	7,566.0	9,881.5	7,566.0	54.7	50.2	90.00	-2,536.7	816.5	663.6	567.7	95.90	6.919	
10,100.0	7,566.0	9,981.5	7,566.0	56.2	51.8	90.00	-2,636.7	815.9	664.1	564.8	99.29	6.688	
10,200.0	7,566.0	10,081.5	7,566.0	57.7	53.4	90.00	-2,736.6	815.4	664.6	561.9	102.68	6.472	
10,300.0	7,566.0	10,181.5	7,566.0	59.2	55.0	90.00	-2,836.6	814.9	665.1	559.0	106.08	6.270	
10,400.0	7,566.0	10,281.5	7,566.0	60.7	56.7	90.00	-2,936.6	814.4	665.6	556.1	109.49	6.079	
10,500.0	7,566.0	10,381.5	7,566.0	62.3	58.3	90.00	-3,036.6	813.9	666.1	553.2	112.91	5.900	
10,600.0	7,566.0	10,481.5	7,566.0	63.8	60.0	90.00	-3,136.6	813.4	666.6	550.3	116.33	5.731	
10,700.0	7,566.0	10,581.5	7,566.0	65.4	61.6	90.00	-3,236.6	812.9	667.2	547.4	119.75	5.571	
10,800.0	7,566.0	10,681.5	7,566.0	67.0	63.3	90.00	-3,336.6	812.3	667.7	544.5	123.18	5.420	
10,900.0	7,566.0	10,781.5	7,566.0	68.6	65.0	90.00	-3,436.6	811.8	668.2	541.6	126.62	5.277	
11,000.0	7,566.0	10,881.5	7,566.0	70.1	66.6	90.00	-3,536.6	811.3	668.7	538.7	130.06	5.142	
11,100.0	7,566.0	10,981.5	7,566.0	71.7	68.3	90.00	-3,636.6	810.8	669.2	535.7	133.50	5.013	
11,200.0	7,566.0	11,081.5	7,566.0	73.3	70.0	90.00	-3,736.6	810.3	669.7	532.8	136.94	4.891	
11,300.0	7,566.0	11,181.5	7,566.0	75.0	71.7	90.00	-3,836.6	809.8	670.3	529.9	140.39	4.774	
11,400.0	7,566.0	11,281.5	7,566.0	76.6	73.4	90.00	-3,936.6	809.2	670.8	526.9	143.84	4.663	
11,500.0	7,566.0	11,381.5	7,566.0	78.2	75.1	90.00	-4,036.6	808.7	671.3	524.0	147.30	4.557	
11,600.0	7,566.0	11,481.5	7,566.0	79.8	76.7	90.00	-4,136.6	808.2	671.8	521.1	150.75	4.456	
11,700.0	7,566.0	11,581.5	7,566.0	81.5	78.4	90.00	-4,236.6	807.7	672.3	518.1	154.21	4.360	
11,800.0	7,566.0	11,681.5	7,566.0	83.1	80.1	90.00	-4,336.6	807.2	672.8	515.2	157.67	4.267	
11,900.0	7,566.0	11,781.5	7,566.0	84.8	81.8	90.00	-4,436.6	806.7	673.4	512.2	161.13	4.179	
12,000.0	7,566.0	11,881.5	7,566.0	86.4	83.5	90.00	-4,536.6	806.1	673.9	509.3	164.60	4.094	
12,100.0	7,566.0	11,981.5	7,566.0	88.1	85.3	90.00	-4,636.6	805.6	674.4	506.3	168.07	4.013	
12,200.0	7,566.0	12,081.5	7,566.0	89.7	87.0	90.00	-4,736.6	805.1	674.9	503.4	171.53	3.935	
12,228.3	7,566.0	12,109.8	7,566.0	90.2	87.4	90.00	-4,764.9	805.0	675.0	502.5	172.52	3.913 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 (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	-92.10	-0.7	-19.9	19.9					
100.0	100.0	100.0	100.0	0.2	0.2	-92.10	-0.7	-19.9	19.9	19.6	0.30	65.416	19.830 CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	-92.10	-0.7	-19.9	19.9	19.2	0.65	30.434		
300.0	300.0	300.0	300.0	0.5	0.5	-92.10	-0.7	-19.9	19.9	18.9	1.00	19.830		
400.0	400.0	400.0	400.0	0.7	0.7	179.96	-0.7	-19.9	21.6	20.3	1.35	16.004		
500.0	499.8	499.8	499.8	0.9	0.8	179.97	-0.7	-19.9	26.8	25.1	1.70	15.816		
600.0	599.5	600.7	600.6	1.1	1.0	180.00	-0.7	-18.1	33.8	31.8	2.04	16.539		
700.0	698.7	701.7	701.6	1.3	1.2	-179.94	-0.4	-12.8	40.7	38.4	2.39	17.047		
800.0	797.5	803.1	802.5	1.7	1.4	-179.86	0.0	-3.9	47.6	44.9	2.73	17.420		
900.2	895.8	904.9	903.5	2.0	1.7	-179.77	0.5	8.7	54.5	51.4	3.08	17.700		
1,000.0	993.4	1,004.6	1,002.2	2.4	1.9	-179.69	1.2	23.0	61.0	57.5	3.43	17.778		
1,100.0	1,091.2	1,104.4	1,101.0	2.8	2.2	-179.62	1.8	37.4	67.4	63.7	3.78	17.841		
1,200.0	1,189.1	1,204.2	1,199.7	3.2	2.5	-179.56	2.4	51.8	73.9	69.8	4.13	17.893		
1,300.0	1,286.9	1,304.0	1,298.5	3.6	2.8	-179.51	3.1	66.2	80.4	75.9	4.48	17.937		
1,400.0	1,384.7	1,403.8	1,397.2	4.0	3.1	-179.47	3.7	80.6	86.9	82.0	4.83	17.976		
1,500.0	1,482.5	1,503.6	1,496.0	4.4	3.4	-179.44	4.3	94.9	93.3	88.2	5.18	18.009		
1,600.0	1,580.3	1,603.4	1,594.7	4.8	3.7	-179.41	5.0	109.3	99.8	94.3	5.53	18.039		
1,700.0	1,678.1	1,703.1	1,693.5	5.2	4.0	-179.38	5.6	123.7	106.3	100.4	5.88	18.065		
1,800.0	1,775.9	1,802.9	1,792.2	5.6	4.3	-179.36	6.2	138.1	112.8	106.5	6.23	18.088		
1,900.0	1,873.8	1,902.7	1,891.0	6.0	4.6	-179.34	6.9	152.5	119.2	112.7	6.58	18.109		
2,000.0	1,971.6	2,002.5	1,989.7	6.4	4.9	-179.32	7.5	166.8	125.7	118.8	6.94	18.128		
2,100.0	2,069.4	2,102.3	2,088.4	6.8	5.2	-179.30	8.1	181.2	132.2	124.9	7.29	18.145		
2,200.0	2,167.2	2,202.1	2,187.2	7.2	5.5	-179.28	8.8	195.6	138.7	131.0	7.64	18.161		
2,300.0	2,265.0	2,301.9	2,285.9	7.6	5.8	-179.27	9.4	210.0	145.1	137.2	7.99	18.175		
2,400.0	2,362.8	2,401.7	2,384.7	8.0	6.1	-179.26	10.0	224.3	151.6	143.3	8.34	18.188		
2,500.0	2,460.6	2,501.5	2,483.4	8.4	6.4	-179.25	10.7	238.7	158.1	149.4	8.69	18.200		
2,600.0	2,558.4	2,601.3	2,582.2	8.8	6.7	-179.23	11.3	253.1	164.6	155.5	9.04	18.211		
2,700.0	2,656.3	2,701.1	2,680.9	9.2	7.0	-179.22	11.9	267.5	171.0	161.7	9.39	18.222		
2,800.0	2,754.1	2,800.8	2,779.7	9.6	7.3	-179.22	12.6	281.9	177.5	167.8	9.74	18.231		
2,900.0	2,851.9	2,900.6	2,878.4	10.1	7.6	-179.21	13.2	296.2	184.0	173.9	10.09	18.240		
3,000.0	2,949.7	3,000.4	2,977.2	10.5	7.9	-179.20	13.8	310.6	190.5	180.0	10.44	18.248		
3,100.0	3,047.5	3,100.2	3,075.9	10.9	8.2	-179.19	14.5	325.0	196.9	186.2	10.79	18.256		
3,200.0	3,145.3	3,200.0	3,174.7	11.3	8.5	-179.18	15.1	339.4	203.4	192.3	11.14	18.264		
3,300.0	3,243.1	3,299.8	3,273.4	11.7	8.8	-179.18	15.7	353.8	209.9	198.4	11.49	18.271		
3,400.0	3,341.0	3,399.6	3,372.2	12.1	9.1	-179.17	16.4	368.1	216.4	204.5	11.84	18.277		
3,500.0	3,438.8	3,499.4	3,470.9	12.5	9.4	-179.17	17.0	382.5	222.8	210.6	12.19	18.283		
3,600.0	3,536.6	3,599.2	3,569.6	12.9	9.8	-179.16	17.6	396.9	229.3	216.8	12.54	18.289		
3,700.0	3,634.4	3,699.0	3,668.4	13.3	10.1	-179.15	18.3	411.3	235.8	222.9	12.89	18.294		
3,800.0	3,732.2	3,798.7	3,767.1	13.7	10.4	-179.15	18.9	425.7	242.3	229.0	13.24	18.300		
3,900.0	3,830.0	3,898.5	3,865.9	14.1	10.7	-179.14	19.5	440.0	248.7	235.1	13.59	18.305		
4,000.0	3,927.8	3,998.3	3,964.6	14.6	11.0	-179.14	20.2	454.4	255.2	241.3	13.94	18.309		
4,100.0	4,025.6	4,098.1	4,063.4	15.0	11.3	-179.14	20.8	468.8	261.7	247.4	14.29	18.314		
4,200.0	4,123.5	4,197.9	4,162.1	15.4	11.6	-179.13	21.4	483.2	268.2	253.5	14.64	18.318		
4,300.0	4,221.3	4,297.7	4,260.9	15.8	11.9	-179.13	22.1	497.6	274.6	259.6	14.99	18.322		
4,400.0	4,319.1	4,397.5	4,359.6	16.2	12.2	-179.12	22.7	511.9	281.1	265.8	15.34	18.326		
4,500.0	4,416.9	4,497.3	4,458.4	16.6	12.5	-179.12	23.3	526.3	287.6	271.9	15.69	18.330		
4,600.0	4,514.7	4,597.1	4,557.1	17.0	12.8	-179.12	24.0	540.7	294.1	278.0	16.04	18.333		
4,700.0	4,612.5	4,696.9	4,655.9	17.4	13.1	-179.11	24.6	555.1	300.5	284.1	16.39	18.337		
4,800.0	4,710.3	4,796.6	4,754.6	17.8	13.4	-179.11	25.2	569.4	307.0	290.3	16.74	18.340		
4,900.0	4,808.2	4,896.4	4,853.4	18.2	13.7	-179.11	25.9	583.8	313.5	296.4	17.09	18.343		
5,000.0	4,906.0	4,996.2	4,952.1	18.6	14.0	-179.11	26.5	598.2	320.0	302.5	17.44	18.346		
5,100.0	5,003.8	5,096.0	5,050.8	19.1	14.4	-179.10	27.1	612.6	326.4	308.6	17.79	18.349		

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 1K-19H-B2681
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 1K-19H-B2681	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,101.6	5,195.8	5,149.6	19.5	14.7	-179.10	27.8	627.0	332.9	314.8	18.14	18.352		
5,300.0	5,199.4	5,295.6	5,248.3	19.9	15.0	-179.10	28.4	641.3	339.4	320.9	18.49	18.354		
5,400.0	5,297.2	5,395.4	5,347.1	20.3	15.3	-179.10	29.0	655.7	345.9	327.0	18.84	18.357		
5,500.0	5,395.0	5,495.2	5,445.8	20.7	15.6	-179.09	29.7	670.1	352.3	333.1	19.19	18.359		
5,600.0	5,492.8	5,595.0	5,544.6	21.1	15.9	-179.09	30.3	684.5	358.8	339.3	19.54	18.362		
5,700.0	5,590.7	5,694.8	5,643.3	21.5	16.2	-179.09	30.9	698.9	365.3	345.4	19.89	18.364		
5,800.0	5,688.5	5,794.5	5,742.1	21.9	16.5	-179.09	31.6	713.2	371.8	351.5	20.24	18.366		
5,900.0	5,786.3	5,894.3	5,840.8	22.3	16.8	-179.08	32.2	727.6	378.2	357.6	20.59	18.368		
6,000.0	5,884.1	5,994.1	5,939.6	22.7	17.1	-179.08	32.8	742.0	384.7	363.8	20.94	18.370		
6,100.0	5,981.9	6,093.9	6,038.3	23.1	17.4	-179.08	33.5	756.4	391.2	369.9	21.29	18.373		
6,200.0	6,079.7	6,193.7	6,137.1	23.6	17.7	-179.08	34.1	770.8	397.7	376.0	21.64	18.374		
6,300.0	6,177.5	6,293.5	6,235.8	24.0	18.0	-179.08	34.7	785.1	404.1	382.1	21.99	18.376		
6,400.0	6,275.3	6,393.3	6,334.6	24.4	18.3	-179.08	35.4	799.5	410.6	388.3	22.34	18.378		
6,500.0	6,373.2	6,493.1	6,433.3	24.8	18.7	-179.07	36.0	813.9	417.1	394.4	22.69	18.380		
6,600.0	6,471.0	6,592.9	6,532.0	25.2	19.0	-179.07	36.6	828.3	423.6	400.5	23.04	18.382		
6,700.0	6,568.8	6,692.7	6,630.8	25.6	19.3	-179.07	37.3	842.7	430.0	406.6	23.39	18.383		
6,800.0	6,666.6	6,791.6	6,728.4	26.0	19.6	179.99	30.7	857.0	436.6	412.8	23.73	18.398		
6,900.0	6,764.4	6,886.9	6,820.7	26.4	19.9	177.46	11.7	870.8	443.9	419.7	24.17	18.363		
6,997.9	6,860.2	6,973.8	6,902.0	26.8	20.1	173.88	-16.3	883.1	453.4	428.5	24.95	18.174		
7,000.0	6,862.2	6,975.6	6,903.6	26.8	20.1	173.00	-17.0	883.3	453.7	428.7	24.97	18.165		
7,050.0	6,911.1	7,017.5	6,941.4	27.0	20.3	152.27	-34.2	889.2	459.8	434.1	25.66	17.917		
7,100.0	6,959.8	7,058.7	6,977.5	27.2	20.4	134.63	-53.2	894.8	466.4	439.9	26.49	17.611		
7,150.0	7,007.9	7,100.0	7,012.6	27.4	20.5	120.98	-74.2	900.2	473.5	446.1	27.42	17.268		
7,200.0	7,055.4	7,139.1	7,044.6	27.6	20.7	110.72	-96.1	905.3	480.8	452.4	28.39	16.938		
7,250.0	7,102.0	7,178.4	7,075.6	27.8	20.8	102.82	-119.8	910.2	488.4	459.0	29.38	16.620		
7,300.0	7,147.4	7,217.2	7,104.8	28.0	21.0	96.59	-144.9	914.9	496.0	465.6	30.36	16.337		
7,350.0	7,191.5	7,255.5	7,132.3	28.2	21.2	91.55	-171.1	919.4	503.6	472.3	31.28	16.100		
7,400.0	7,233.9	7,293.5	7,158.2	28.4	21.4	87.37	-198.6	923.6	511.1	478.9	32.12	15.912		
7,450.0	7,274.6	7,331.0	7,182.3	28.6	21.5	83.86	-227.0	927.6	518.3	485.5	32.86	15.774		
7,500.0	7,313.3	7,368.2	7,204.6	28.8	21.7	80.87	-256.5	931.4	525.4	491.9	33.49	15.687		
7,550.0	7,349.8	7,400.0	7,222.6	29.0	21.9	78.40	-282.6	934.5	532.1	498.1	33.92	15.685		
7,600.0	7,383.9	7,441.6	7,244.3	29.2	22.2	76.08	-317.9	938.3	538.3	503.9	34.40	15.651		
7,650.0	7,415.5	7,478.0	7,261.6	29.5	22.4	74.17	-349.8	941.3	544.1	509.4	34.67	15.692		
7,700.0	7,444.4	7,514.1	7,277.1	29.7	22.7	72.52	-382.3	944.2	549.4	514.5	34.84	15.769		
7,750.0	7,470.5	7,550.0	7,290.9	30.0	22.9	71.12	-415.3	946.7	554.1	519.2	34.91	15.875		
7,800.0	7,493.7	7,585.9	7,303.1	30.2	23.2	69.93	-448.9	949.1	558.2	523.3	34.89	16.000		
7,850.0	7,513.8	7,621.5	7,313.5	30.5	23.5	68.93	-483.0	951.2	561.7	526.9	34.80	16.142		
7,900.0	7,530.7	7,650.0	7,320.6	30.8	23.7	68.18	-510.5	952.7	564.6	530.0	34.56	16.335		
7,950.0	7,544.4	7,692.5	7,329.1	31.1	24.1	67.49	-552.1	954.7	566.7	532.2	34.46	16.443		
8,000.0	7,554.8	7,727.9	7,334.4	31.5	24.4	67.03	-587.0	956.1	568.1	533.8	34.26	16.584		
8,050.0	7,561.8	7,763.2	7,337.9	31.8	24.7	66.72	-622.2	957.2	568.8	534.8	34.04	16.708		
8,100.0	7,565.5	7,800.0	7,339.8	32.1	25.0	66.58	-658.9	958.1	568.8	534.9	33.86	16.797		
8,128.3	7,566.0	7,818.6	7,340.0	32.3	25.2	66.57	-677.5	958.5	568.5	534.7	33.75	16.845		
8,200.0	7,566.0	7,890.3	7,340.0	32.9	25.9	66.52	-749.2	959.7	567.3	531.8	35.49	15.983		
8,300.0	7,566.0	7,990.3	7,340.0	33.7	27.0	66.45	-849.1	961.5	565.7	527.7	38.02	14.878		
8,400.0	7,566.0	8,090.3	7,340.0	34.6	28.1	66.38	-949.1	963.2	564.1	523.5	40.65	13.878		
8,500.0	7,566.0	8,190.2	7,340.0	35.5	29.3	66.31	-1,049.1	965.0	562.5	519.2	43.35	12.978		
8,600.0	7,566.0	8,290.2	7,340.0	36.5	30.5	66.24	-1,149.0	966.7	560.9	514.8	46.10	12.166		
8,700.0	7,566.0	8,390.2	7,340.0	37.6	31.8	66.16	-1,249.0	968.5	559.3	510.4	48.91	11.435		
8,800.0	7,566.0	8,490.2	7,340.0	38.7	33.2	66.09	-1,349.0	970.2	557.7	506.0	51.76	10.775		
8,900.0	7,566.0	8,590.2	7,340.0	39.8	34.5	66.02	-1,448.9	971.9	556.1	501.5	54.65	10.177		
9,000.0	7,566.0	8,690.2	7,340.0	41.0	35.9	65.95	-1,548.9	973.7	554.5	497.0	57.56	9.634		

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 1K-19H-B2681
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 1K-19H-B2681	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)			
9,100.0	7,566.0	8,790.2	7,340.0	42.3	37.4	65.87	-1,648.9	975.4	552.9	492.4	60.50	9.140	
9,200.0	7,566.0	8,890.1	7,340.0	43.5	38.8	65.80	-1,748.9	977.2	551.4	487.9	63.45	8.689	
9,300.0	7,566.0	8,990.1	7,340.0	44.8	40.3	65.72	-1,848.8	978.9	549.8	483.3	66.43	8.276	
9,400.0	7,566.0	9,090.1	7,340.0	46.2	41.8	65.65	-1,948.8	980.7	548.2	478.8	69.41	7.897	
9,500.0	7,566.0	9,190.1	7,340.0	47.5	43.3	65.57	-2,048.8	982.4	546.6	474.2	72.41	7.549	
9,600.0	7,566.0	9,290.1	7,340.0	48.9	44.9	65.50	-2,148.7	984.2	545.0	469.6	75.42	7.227	
9,700.0	7,566.0	9,390.1	7,340.0	50.4	46.4	65.42	-2,248.7	985.9	543.4	465.0	78.43	6.929	
9,800.0	7,566.0	9,490.0	7,340.0	51.8	48.0	65.34	-2,348.7	987.6	541.8	460.4	81.45	6.652	
9,900.0	7,566.0	9,590.0	7,340.0	53.2	49.6	65.27	-2,448.6	989.4	540.2	455.8	84.48	6.395	
10,000.0	7,566.0	9,690.0	7,340.0	54.7	51.2	65.19	-2,548.6	991.1	538.7	451.1	87.51	6.155	
10,100.0	7,566.0	9,790.0	7,340.0	56.2	52.8	65.11	-2,648.6	992.9	537.1	446.5	90.54	5.932	
10,200.0	7,566.0	9,890.0	7,340.0	57.7	54.4	65.03	-2,748.5	994.6	535.5	441.9	93.58	5.722	
10,300.0	7,566.0	9,990.0	7,340.0	59.2	56.0	64.95	-2,848.5	996.4	533.9	437.3	96.62	5.526	
10,400.0	7,566.0	10,090.0	7,340.0	60.7	57.7	64.87	-2,948.5	998.1	532.3	432.7	99.66	5.342	
10,500.0	7,566.0	10,189.9	7,340.0	62.3	59.3	64.79	-3,048.5	999.9	530.7	428.0	102.70	5.168	
10,600.0	7,566.0	10,289.9	7,340.0	63.8	60.9	64.71	-3,148.4	1,001.6	529.2	423.4	105.74	5.005	
10,700.0	7,566.0	10,389.9	7,340.0	65.4	62.6	64.63	-3,248.4	1,003.4	527.6	418.8	108.78	4.850	
10,800.0	7,566.0	10,489.9	7,340.0	67.0	64.2	64.55	-3,348.4	1,005.1	526.0	414.2	111.82	4.704	
10,900.0	7,566.0	10,589.9	7,340.0	68.6	65.9	64.47	-3,448.3	1,006.8	524.4	409.6	114.85	4.566	
11,000.0	7,566.0	10,689.9	7,340.0	70.1	67.6	64.39	-3,548.3	1,008.6	522.9	405.0	117.89	4.435	
11,100.0	7,566.0	10,789.8	7,340.0	71.7	69.2	64.30	-3,648.3	1,010.3	521.3	400.4	120.92	4.311	
11,200.0	7,566.0	10,889.8	7,340.0	73.3	70.9	64.22	-3,748.2	1,012.1	519.7	395.8	123.95	4.193	
11,300.0	7,566.0	10,989.8	7,340.0	75.0	72.6	64.14	-3,848.2	1,013.8	518.1	391.2	126.98	4.080	
11,400.0	7,566.0	11,089.8	7,340.0	76.6	74.3	64.05	-3,948.2	1,015.6	516.6	386.6	130.01	3.973	
11,500.0	7,566.0	11,189.8	7,340.0	78.2	75.9	63.97	-4,048.2	1,017.3	515.0	382.0	133.03	3.871	
11,600.0	7,566.0	11,289.8	7,340.0	79.8	77.6	63.88	-4,148.1	1,019.1	513.4	377.4	136.05	3.774	
11,700.0	7,566.0	11,389.8	7,340.0	81.5	79.3	63.80	-4,248.1	1,020.8	511.9	372.8	139.07	3.681	
11,800.0	7,566.0	11,489.7	7,340.0	83.1	81.0	63.71	-4,348.1	1,022.5	510.3	368.2	142.08	3.592	
11,900.0	7,566.0	11,589.7	7,340.0	84.8	82.7	63.62	-4,448.0	1,024.3	508.7	363.7	145.09	3.506	
12,000.0	7,566.0	11,689.7	7,340.0	86.4	84.4	63.53	-4,548.0	1,026.0	507.2	359.1	148.10	3.425	
12,100.0	7,566.0	11,789.7	7,340.0	88.1	86.1	63.45	-4,648.0	1,027.8	505.6	354.5	151.10	3.346	
12,200.0	7,566.0	11,889.7	7,340.0	89.7	87.8	63.36	-4,747.9	1,029.5	504.1	350.0	154.09	3.271	
12,228.3	7,566.0	11,918.0	7,340.0	90.2	88.3	63.33	-4,776.2	1,030.0	503.6	348.7	154.94	3.250 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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							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	-92.13	-0.4	-9.8	9.8					
100.0	100.0	100.0	100.0	0.2	0.2	-92.13	-0.4	-9.8	9.8	9.5	0.30	32.248	9.776 CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	-92.13	-0.4	-9.8	9.8	9.1	0.65	15.003		
300.0	300.0	300.0	300.0	0.5	0.5	-92.13	-0.4	-9.8	9.8	8.8	1.00	8.545		
400.0	400.0	400.0	400.0	0.7	0.7	179.94	-0.4	-9.8	11.5	10.2	1.35	8.845		
500.0	499.8	500.4	500.4	0.9	0.9	179.97	-0.3	-8.0	15.0	13.3	1.70	8.845		
600.0	599.5	600.9	600.7	1.1	1.0	-179.97	-0.1	-2.7	18.5	16.4	2.05	9.040		
700.0	698.7	701.6	701.0	1.3	1.3	-179.89	0.3	6.1	21.9	19.5	2.39	9.174		
800.0	797.5	802.3	801.0	1.7	1.5	-179.81	0.7	18.4	25.4	22.6	2.74	9.269		
900.2	895.8	903.5	900.9	2.0	1.8	-179.73	1.4	34.3	28.8	25.7	3.08	9.338		
1,000.0	993.4	1,003.4	999.2	2.4	2.1	-179.64	2.1	52.4	31.5	28.0	3.43	9.165		
1,100.0	1,091.2	1,103.4	1,097.5	2.8	2.5	-179.57	2.8	70.7	34.1	30.3	3.78	9.004		
1,200.0	1,189.1	1,203.4	1,195.8	3.2	2.8	-179.50	3.5	88.9	36.7	32.5	4.14	8.870		
1,300.0	1,286.9	1,303.3	1,294.0	3.6	3.2	-179.45	4.2	107.1	39.3	34.8	4.49	8.758		
1,400.0	1,384.7	1,403.3	1,392.3	4.0	3.5	-179.40	4.9	125.3	41.9	37.1	4.84	8.662		
1,500.0	1,482.5	1,503.2	1,490.6	4.4	3.9	-179.35	5.7	143.5	44.5	39.3	5.19	8.579		
1,600.0	1,580.3	1,603.2	1,588.9	4.8	4.2	-179.32	6.4	161.7	47.1	41.6	5.54	8.507		
1,700.0	1,678.1	1,703.2	1,687.2	5.2	4.6	-179.28	7.1	179.9	49.8	43.9	5.89	8.443		
1,800.0	1,775.9	1,803.1	1,785.5	5.6	4.9	-179.25	7.8	198.2	52.4	46.1	6.24	8.387		
1,900.0	1,873.8	1,903.1	1,883.8	6.0	5.3	-179.22	8.5	216.4	55.0	48.4	6.60	8.337		
2,000.0	1,971.6	2,003.1	1,982.1	6.4	5.7	-179.20	9.2	234.6	57.6	50.6	6.95	8.292		
2,100.0	2,069.4	2,103.0	2,080.4	6.8	6.0	-179.17	10.0	252.8	60.2	52.9	7.30	8.251		
2,200.0	2,167.2	2,203.0	2,178.6	7.2	6.4	-179.15	10.7	271.0	62.8	55.2	7.65	8.214		
2,300.0	2,265.0	2,303.0	2,276.9	7.6	6.8	-179.13	11.4	289.2	65.4	57.4	8.00	8.180		
2,400.0	2,362.8	2,402.9	2,375.2	8.0	7.1	-179.11	12.1	307.4	68.1	59.7	8.35	8.149		
2,500.0	2,460.6	2,502.9	2,473.5	8.4	7.5	-179.10	12.8	325.7	70.7	62.0	8.70	8.121		
2,600.0	2,558.4	2,602.9	2,571.8	8.8	7.9	-179.08	13.5	343.9	73.3	64.2	9.05	8.095		
2,700.0	2,656.3	2,702.8	2,670.1	9.2	8.2	-179.07	14.3	362.1	75.9	66.5	9.40	8.071		
2,800.0	2,754.1	2,802.8	2,768.4	9.6	8.6	-179.05	15.0	380.3	78.5	68.8	9.76	8.048		
2,900.0	2,851.9	2,902.8	2,866.7	10.1	9.0	-179.04	15.7	398.5	81.1	71.0	10.11	8.027		
3,000.0	2,949.7	3,002.7	2,965.0	10.5	9.3	-179.03	16.4	416.7	83.7	73.3	10.46	8.008		
3,100.0	3,047.5	3,102.7	3,063.3	10.9	9.7	-179.02	17.1	434.9	86.4	75.5	10.81	7.989		
3,200.0	3,145.3	3,202.7	3,161.5	11.3	10.0	-179.01	17.8	453.2	89.0	77.8	11.16	7.972		
3,300.0	3,243.1	3,302.6	3,259.8	11.7	10.4	-179.00	18.5	471.4	91.6	80.1	11.51	7.956		
3,400.0	3,341.0	3,402.6	3,358.1	12.1	10.8	-178.99	19.3	489.6	94.2	82.3	11.86	7.941		
3,500.0	3,438.8	3,502.6	3,456.4	12.5	11.1	-178.98	20.0	507.8	96.8	84.6	12.21	7.927		
3,600.0	3,536.6	3,602.5	3,554.7	12.9	11.5	-178.97	20.7	526.0	99.4	86.9	12.56	7.914		
3,700.0	3,634.4	3,702.5	3,653.0	13.3	11.9	-178.96	21.4	544.2	102.0	89.1	12.92	7.901		
3,800.0	3,732.2	3,802.5	3,751.3	13.7	12.2	-178.96	22.1	562.4	104.7	91.4	13.27	7.889		
3,900.0	3,830.0	3,902.4	3,849.6	14.1	12.6	-178.95	22.8	580.7	107.3	93.7	13.62	7.878		
4,000.0	3,927.8	4,002.4	3,947.9	14.6	13.0	-178.94	23.6	598.9	109.9	95.9	13.97	7.867		
4,100.0	4,025.6	4,102.4	4,046.2	15.0	13.3	-178.93	24.3	617.1	112.5	98.2	14.32	7.857		
4,200.0	4,123.5	4,202.3	4,144.4	15.4	13.7	-178.93	25.0	635.3	115.1	100.4	14.67	7.847		
4,300.0	4,221.3	4,302.3	4,242.7	15.8	14.1	-178.92	25.7	653.5	117.7	102.7	15.02	7.837		
4,400.0	4,319.1	4,402.3	4,341.0	16.2	14.4	-178.92	26.4	671.7	120.3	105.0	15.37	7.829		
4,500.0	4,416.9	4,502.2	4,439.3	16.6	14.8	-178.91	27.1	689.9	123.0	107.2	15.72	7.820		
4,600.0	4,514.7	4,602.2	4,537.6	17.0	15.2	-178.91	27.9	708.2	125.6	109.5	16.07	7.812		
4,700.0	4,612.5	4,702.2	4,635.9	17.4	15.5	-178.90	28.6	726.4	128.2	111.8	16.43	7.804		
4,800.0	4,710.3	4,802.1	4,734.2	17.8	15.9	-178.90	29.3	744.6	130.8	114.0	16.78	7.797		
4,900.0	4,808.2	4,902.1	4,832.5	18.2	16.3	-178.89	30.0	762.8	133.4	116.3	17.13	7.789		
5,000.0	4,906.0	5,002.1	4,930.8	18.6	16.6	-178.89	30.7	781.0	136.0	118.6	17.48	7.783		
5,100.0	5,003.8	5,102.0	5,029.1	19.1	17.0	-178.88	31.4	799.2	138.6	120.8	17.83	7.776		

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 1K-19H-B2681
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 1K-19H-B2681	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						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,101.6	5,202.0	5,127.3	19.5	17.4	-178.88	32.1	817.4	141.3	123.1	18.18	7.770		
5,300.0	5,199.4	5,301.9	5,225.6	19.9	17.7	-178.87	32.9	835.7	143.9	125.3	18.53	7.764		
5,400.0	5,297.2	5,401.9	5,323.9	20.3	18.1	-178.87	33.6	853.9	146.5	127.6	18.88	7.758		
5,500.0	5,395.0	5,501.9	5,422.2	20.7	18.5	-178.87	34.3	872.1	149.1	129.9	19.23	7.752		
5,600.0	5,492.8	5,601.8	5,520.5	21.1	18.8	-178.86	35.0	890.3	151.7	132.1	19.59	7.747		
5,700.0	5,590.7	5,701.8	5,618.8	21.5	19.2	-178.86	35.7	908.5	154.3	134.4	19.94	7.741		
5,800.0	5,688.5	5,801.8	5,717.1	21.9	19.6	-178.86	36.4	926.7	157.0	136.7	20.29	7.736		
5,900.0	5,786.3	5,901.7	5,815.4	22.3	19.9	-178.85	37.2	944.9	159.6	138.9	20.64	7.731		
6,000.0	5,884.1	6,001.7	5,913.7	22.7	20.3	-178.85	37.9	963.2	162.2	141.2	20.99	7.727		
6,100.0	5,981.9	6,101.7	6,012.0	23.1	20.7	-178.85	38.6	981.4	164.8	143.5	21.34	7.722		
6,200.0	6,079.7	6,201.6	6,110.2	23.6	21.1	-178.84	39.3	999.6	167.4	145.7	21.69	7.718		
6,300.0	6,177.5	6,301.6	6,208.5	24.0	21.4	-178.84	40.0	1,017.8	170.0	148.0	22.04	7.713		
6,400.0	6,275.3	6,401.6	6,306.8	24.4	21.8	-178.84	40.7	1,036.0	172.6	150.2	22.39	7.709		
6,500.0	6,373.2	6,501.5	6,405.1	24.8	22.2	-178.84	41.5	1,054.2	175.3	152.5	22.75	7.705		
6,600.0	6,471.0	6,601.5	6,503.4	25.2	22.5	-178.83	42.2	1,072.4	177.9	154.8	23.10	7.701		
6,700.0	6,568.8	6,701.5	6,601.7	25.6	22.9	-178.83	42.9	1,090.7	180.5	157.0	23.45	7.697		
6,800.0	6,666.6	6,801.4	6,700.0	26.0	23.3	-178.83	43.6	1,108.9	183.1	159.3	23.80	7.694		
6,900.0	6,764.4	6,900.9	6,797.6	26.4	23.6	-179.98	40.6	1,127.0	185.8	161.7	24.13	7.700		
6,997.9	6,860.2	6,995.5	6,889.4	26.8	23.9	175.24	25.4	1,144.0	189.7	164.9	24.80	7.647		
7,000.0	6,862.2	6,997.4	6,891.3	26.8	24.0	174.32	25.0	1,144.3	189.8	164.9	24.83	7.643		
7,050.0	6,911.1	7,044.2	6,935.6	27.0	24.1	152.65	12.8	1,152.6	192.8	167.2	25.66	7.515		
7,100.0	6,959.8	7,090.3	6,978.5	27.2	24.3	134.13	-2.0	1,160.5	196.4	169.7	26.72	7.351		
7,150.0	7,007.9	7,135.7	7,019.9	27.4	24.4	119.71	-19.3	1,168.2	200.5	172.5	28.00	7.161		
7,200.0	7,055.4	7,180.6	7,059.6	27.6	24.6	108.70	-39.0	1,175.5	205.0	175.7	29.35	6.985		
7,250.0	7,102.0	7,225.0	7,097.5	27.8	24.8	100.17	-61.0	1,182.5	209.8	179.1	30.70	6.835		
7,300.0	7,147.4	7,268.9	7,133.6	28.0	24.9	93.39	-85.0	1,189.2	214.8	182.8	31.97	6.719		
7,350.0	7,191.5	7,312.4	7,167.9	28.2	25.1	87.87	-110.9	1,195.6	219.9	186.8	33.11	6.640		
7,400.0	7,233.9	7,355.4	7,200.3	28.4	25.3	83.29	-138.6	1,201.6	225.0	190.9	34.10	6.598		
7,450.0	7,274.6	7,400.0	7,232.0	28.6	25.5	79.37	-169.3	1,207.5	230.1	195.1	34.95	6.584		
7,500.0	7,313.3	7,440.4	7,259.1	28.8	25.6	76.16	-198.9	1,212.5	235.1	199.5	35.53	6.616		
7,550.0	7,349.8	7,482.4	7,285.5	29.0	25.8	73.35	-231.2	1,217.4	239.8	203.9	35.96	6.669		
7,600.0	7,383.9	7,524.2	7,309.8	29.2	26.1	70.95	-264.8	1,221.9	244.4	208.2	36.21	6.750		
7,650.0	7,415.5	7,565.6	7,332.0	29.5	26.3	68.88	-299.5	1,226.0	248.7	212.4	36.28	6.853		
7,700.0	7,444.4	7,606.9	7,352.2	29.7	26.5	67.11	-335.4	1,229.7	252.6	216.4	36.20	6.978		
7,750.0	7,470.5	7,650.0	7,371.0	30.0	26.8	65.57	-374.0	1,233.2	256.2	220.2	36.01	7.115		
7,800.0	7,493.7	7,688.8	7,385.9	30.2	27.0	64.34	-409.7	1,236.0	259.4	223.7	35.65	7.275		
7,850.0	7,513.8	7,729.5	7,399.5	30.5	27.3	63.29	-448.0	1,238.5	262.2	226.9	35.23	7.442		
7,900.0	7,530.7	7,770.1	7,411.0	30.8	27.5	62.44	-486.8	1,240.6	264.5	229.7	34.73	7.614		
7,950.0	7,544.4	7,810.6	7,420.2	31.1	27.8	61.78	-526.2	1,242.3	266.3	232.1	34.20	7.788		
8,000.0	7,554.8	7,850.0	7,427.0	31.5	28.1	61.31	-565.0	1,243.6	267.7	234.1	33.63	7.960		
8,050.0	7,561.8	7,891.4	7,432.0	31.8	28.4	61.00	-606.1	1,244.5	268.6	235.5	33.10	8.115		
8,100.0	7,565.5	7,931.7	7,434.5	32.1	28.7	60.86	-646.3	1,245.0	269.0	236.4	32.59	8.254		
8,128.3	7,566.0	7,954.5	7,435.0	32.3	28.9	60.85	-669.1	1,245.1	269.0	236.7	32.32	8.323		
8,148.0	7,566.0	7,973.5	7,435.0	32.5	29.1	60.85	-688.1	1,245.1	269.0	236.2	32.77	8.208		
8,200.0	7,566.0	8,025.5	7,435.0	32.9	29.5	60.85	-740.1	1,245.1	269.0	235.0	33.99	7.913		
8,300.0	7,566.0	8,125.5	7,435.0	33.7	30.4	60.85	-840.1	1,245.1	269.0	232.6	36.42	7.386		
8,400.0	7,566.0	8,225.5	7,435.0	34.6	31.4	60.85	-940.1	1,245.1	269.0	230.0	38.94	6.908		
8,500.0	7,566.0	8,325.5	7,435.0	35.5	32.4	60.85	-1,040.1	1,245.1	269.0	227.4	41.53	6.477		
8,600.0	7,566.0	8,425.5	7,435.0	36.5	33.5	60.85	-1,140.1	1,245.1	269.0	224.8	44.18	6.088		
8,700.0	7,566.0	8,525.5	7,435.0	37.6	34.7	60.85	-1,240.1	1,245.1	269.0	222.1	46.89	5.736		
8,800.0	7,566.0	8,625.5	7,435.0	38.7	35.9	60.85	-1,340.1	1,245.1	269.0	219.3	49.64	5.419		
8,900.0	7,566.0	8,725.5	7,435.0	39.8	37.1	60.85	-1,440.1	1,245.1	269.0	216.6	52.42	5.131		

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 1K-19H-B2681
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 1K-19H-B2681	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						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	8,825.5	7,435.0	41.0	38.4	60.85	-1,540.1	1,245.1	269.0	213.7	55.23	4.870		
9,100.0	7,566.0	8,925.5	7,435.0	42.3	39.7	60.85	-1,640.1	1,245.1	269.0	210.9	58.07	4.632		
9,200.0	7,566.0	9,025.5	7,435.0	43.5	41.1	60.85	-1,740.1	1,245.1	269.0	208.0	60.94	4.414		
9,300.0	7,566.0	9,125.5	7,435.0	44.8	42.5	60.85	-1,840.1	1,245.1	269.0	205.2	63.82	4.215		
9,400.0	7,566.0	9,225.5	7,435.0	46.2	43.9	60.85	-1,940.1	1,245.1	269.0	202.3	66.72	4.032		
9,500.0	7,566.0	9,325.5	7,435.0	47.5	45.3	60.85	-2,040.1	1,245.1	269.0	199.3	69.63	3.863		
9,600.0	7,566.0	9,425.5	7,435.0	48.9	46.8	60.85	-2,140.1	1,245.1	269.0	196.4	72.55	3.707		
9,700.0	7,566.0	9,525.5	7,435.0	50.4	48.2	60.85	-2,240.1	1,245.1	269.0	193.5	75.49	3.563		
9,800.0	7,566.0	9,625.5	7,435.0	51.8	49.7	60.85	-2,340.1	1,245.1	269.0	190.5	78.44	3.429		
9,900.0	7,566.0	9,725.5	7,435.0	53.2	51.3	60.85	-2,440.1	1,245.1	269.0	187.6	81.40	3.305		
10,000.0	7,566.0	9,825.5	7,435.0	54.7	52.8	60.85	-2,540.1	1,245.1	269.0	184.6	84.36	3.188		
10,100.0	7,566.0	9,925.5	7,435.0	56.2	54.3	60.85	-2,640.1	1,245.1	269.0	181.6	87.33	3.080		
10,200.0	7,566.0	10,025.5	7,435.0	57.7	55.9	60.85	-2,740.1	1,245.1	269.0	178.7	90.31	2.978		
10,300.0	7,566.0	10,125.5	7,435.0	59.2	57.4	60.85	-2,840.1	1,245.1	269.0	175.7	93.30	2.883		
10,400.0	7,566.0	10,225.5	7,435.0	60.7	59.0	60.85	-2,940.1	1,245.1	269.0	172.7	96.29	2.794		
10,500.0	7,566.0	10,325.5	7,435.0	62.3	60.6	60.85	-3,040.1	1,245.1	269.0	169.7	99.28	2.709		
10,600.0	7,566.0	10,425.5	7,435.0	63.8	62.2	60.85	-3,140.1	1,245.1	269.0	166.7	102.28	2.630		
10,700.0	7,566.0	10,525.5	7,435.0	65.4	63.8	60.85	-3,240.1	1,245.1	269.0	163.7	105.28	2.555		
10,800.0	7,566.0	10,625.5	7,435.0	67.0	65.4	60.85	-3,340.1	1,245.1	269.0	160.7	108.29	2.484		
10,900.0	7,566.0	10,725.5	7,435.0	68.6	67.0	60.85	-3,440.1	1,245.1	269.0	157.7	111.30	2.417		
11,000.0	7,566.0	10,825.5	7,435.0	70.1	68.7	60.85	-3,540.1	1,245.1	269.0	154.7	114.31	2.353		
11,100.0	7,566.0	10,925.5	7,435.0	71.7	70.3	60.85	-3,640.1	1,245.1	269.0	151.6	117.33	2.293		
11,200.0	7,566.0	11,025.5	7,435.0	73.3	71.9	60.85	-3,740.1	1,245.1	269.0	148.6	120.35	2.235		
11,300.0	7,566.0	11,125.5	7,435.0	75.0	73.6	60.85	-3,840.1	1,245.1	269.0	145.6	123.37	2.180		
11,400.0	7,566.0	11,225.5	7,435.0	76.6	75.2	60.85	-3,940.1	1,245.1	269.0	142.6	126.39	2.128		
11,500.0	7,566.0	11,325.5	7,435.0	78.2	76.9	60.85	-4,040.1	1,245.1	269.0	139.6	129.42	2.078		
11,600.0	7,566.0	11,425.5	7,435.0	79.8	78.5	60.85	-4,140.1	1,245.1	269.0	136.5	132.45	2.031		
11,700.0	7,566.0	11,525.5	7,435.0	81.5	80.2	60.85	-4,240.1	1,245.1	269.0	133.5	135.48	1.985		
11,800.0	7,566.0	11,625.5	7,435.0	83.1	81.9	60.85	-4,340.1	1,245.1	269.0	130.5	138.51	1.942		
11,900.0	7,566.0	11,725.5	7,435.0	84.8	83.5	60.85	-4,440.1	1,245.1	269.0	127.4	141.54	1.900		
12,000.0	7,566.0	11,825.5	7,435.0	86.4	85.2	60.85	-4,540.1	1,245.1	269.0	124.4	144.58	1.860		
12,100.0	7,566.0	11,925.5	7,435.0	88.1	86.9	60.85	-4,640.1	1,245.1	269.0	121.4	147.61	1.822		
12,200.0	7,566.0	12,025.5	7,435.0	89.7	88.5	60.85	-4,740.1	1,245.1	269.0	118.3	150.65	1.785		
12,228.3	7,566.0	12,053.8	7,435.0	90.2	89.0	60.85	-4,768.4	1,245.1	269.0	117.5	151.51	1.775 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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							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	87.93	0.4	10.1	10.1					
100.0	100.0	100.0	100.0	0.2	0.2	87.93	0.4	10.1	10.1	9.8	0.30	33.168		
200.0	200.0	200.0	200.0	0.3	0.3	87.93	0.4	10.1	10.1	9.4	0.65	15.431	CC, ES	
300.0	300.0	299.6	299.6	0.5	0.5	87.90	0.4	11.8	11.8	10.8	1.00	11.755		
400.0	400.0	399.1	398.9	0.7	0.7	-0.09	0.6	17.0	15.3	13.9	1.35	11.326		
500.0	499.8	498.4	497.9	0.9	0.9	-0.15	1.0	25.6	18.7	17.0	1.70	11.041		
600.0	599.5	597.7	596.4	1.1	1.2	-0.22	1.4	37.6	22.1	20.1	2.04	10.847		
700.0	698.7	696.8	694.3	1.3	1.5	-0.30	2.0	53.0	25.5	23.2	2.39	10.701		
800.0	797.5	795.8	791.5	1.7	1.9	-0.38	2.8	71.7	28.9	26.2	2.73	10.586		
900.2	895.8	894.9	888.1	2.0	2.3	-0.46	3.6	93.9	32.2	29.2	3.07	10.488		
1,000.0	993.4	994.5	984.6	2.4	2.7	-0.53	4.6	118.2	36.0	32.5	3.43	10.497		
1,100.0	1,091.2	1,094.4	1,081.5	2.8	3.2	-0.59	5.5	142.6	39.7	35.9	3.78	10.512		
1,200.0	1,189.1	1,194.3	1,178.4	3.2	3.7	-0.64	6.5	167.0	43.5	39.3	4.13	10.525		
1,300.0	1,286.9	1,294.2	1,275.3	3.6	4.1	-0.68	7.4	191.4	47.2	42.7	4.48	10.536		
1,400.0	1,384.7	1,394.2	1,372.2	4.0	4.6	-0.71	8.4	215.9	51.0	46.2	4.83	10.546		
1,500.0	1,482.5	1,494.1	1,469.1	4.4	5.0	-0.74	9.3	240.3	54.7	49.6	5.19	10.555		
1,600.0	1,580.3	1,594.0	1,566.0	4.8	5.5	-0.77	10.3	264.7	58.5	53.0	5.54	10.563		
1,700.0	1,678.1	1,694.0	1,662.9	5.2	6.0	-0.79	11.3	289.1	62.3	56.4	5.89	10.570		
1,800.0	1,775.9	1,793.9	1,759.8	5.6	6.5	-0.81	12.2	313.6	66.0	59.8	6.24	10.576		
1,900.0	1,873.8	1,893.8	1,856.7	6.0	6.9	-0.83	13.2	338.0	69.8	63.2	6.59	10.582		
2,000.0	1,971.6	1,993.7	1,953.6	6.4	7.4	-0.84	14.1	362.4	73.5	66.6	6.95	10.587		
2,100.0	2,069.4	2,093.7	2,050.5	6.8	7.9	-0.86	15.1	386.8	77.3	70.0	7.30	10.592		
2,200.0	2,167.2	2,193.6	2,147.4	7.2	8.3	-0.87	16.0	411.3	81.0	73.4	7.65	10.596		
2,300.0	2,265.0	2,293.5	2,244.3	7.6	8.8	-0.88	17.0	435.7	84.8	76.8	8.00	10.600		
2,400.0	2,362.8	2,393.5	2,341.2	8.0	9.3	-0.89	17.9	460.1	88.6	80.2	8.35	10.604		
2,500.0	2,460.6	2,493.4	2,438.1	8.4	9.7	-0.90	18.9	484.5	92.3	83.6	8.70	10.607		
2,600.0	2,558.4	2,593.3	2,534.9	8.8	10.2	-0.91	19.8	508.9	96.1	87.0	9.06	10.611		
2,700.0	2,656.3	2,693.3	2,631.8	9.2	10.7	-0.92	20.8	533.4	99.8	90.4	9.41	10.613		
2,800.0	2,754.1	2,793.2	2,728.7	9.6	11.2	-0.93	21.7	557.8	103.6	93.8	9.76	10.616		
2,900.0	2,851.9	2,893.1	2,825.6	10.1	11.6	-0.94	22.7	582.2	107.4	97.2	10.11	10.619		
3,000.0	2,949.7	2,993.0	2,922.5	10.5	12.1	-0.94	23.6	606.6	111.1	100.7	10.46	10.621		
3,100.0	3,047.5	3,093.0	3,019.4	10.9	12.6	-0.95	24.6	631.1	114.9	104.1	10.81	10.623		
3,200.0	3,145.3	3,192.9	3,116.3	11.3	13.0	-0.96	25.5	655.5	118.6	107.5	11.16	10.626		
3,300.0	3,243.1	3,292.8	3,213.2	11.7	13.5	-0.96	26.5	679.9	122.4	110.9	11.52	10.628		
3,400.0	3,341.0	3,392.8	3,310.1	12.1	14.0	-0.97	27.4	704.3	126.1	114.3	11.87	10.629		
3,500.0	3,438.8	3,492.7	3,407.0	12.5	14.5	-0.97	28.4	728.8	129.9	117.7	12.22	10.631		
3,600.0	3,536.6	3,592.6	3,503.9	12.9	14.9	-0.98	29.4	753.2	133.7	121.1	12.57	10.633		
3,700.0	3,634.4	3,692.5	3,600.8	13.3	15.4	-0.98	30.3	777.6	137.4	124.5	12.92	10.634		
3,800.0	3,732.2	3,792.5	3,697.7	13.7	15.9	-0.99	31.3	802.0	141.2	127.9	13.27	10.636		
3,900.0	3,830.0	3,892.4	3,794.6	14.1	16.3	-0.99	32.2	826.4	144.9	131.3	13.62	10.637		
4,000.0	3,927.8	3,992.3	3,891.5	14.6	16.8	-0.99	33.2	850.9	148.7	134.7	13.98	10.639		
4,100.0	4,025.6	4,092.3	3,988.4	15.0	17.3	-1.00	34.1	875.3	152.4	138.1	14.33	10.640		
4,200.0	4,123.5	4,192.2	4,085.3	15.4	17.8	-1.00	35.1	899.7	156.2	141.5	14.68	10.641		
4,300.0	4,221.3	4,292.1	4,182.1	15.8	18.2	-1.00	36.0	924.1	160.0	144.9	15.03	10.643		
4,400.0	4,319.1	4,392.1	4,279.0	16.2	18.7	-1.01	37.0	948.6	163.7	148.3	15.38	10.644		
4,500.0	4,416.9	4,492.0	4,375.9	16.6	19.2	-1.01	37.9	973.0	167.5	151.7	15.73	10.645		
4,600.0	4,514.7	4,591.9	4,472.8	17.0	19.6	-1.01	38.9	997.4	171.2	155.2	16.09	10.646		
4,700.0	4,612.5	4,691.8	4,569.7	17.4	20.1	-1.02	39.8	1,021.8	175.0	158.6	16.44	10.647		
4,800.0	4,710.3	4,791.8	4,666.6	17.8	20.6	-1.02	40.8	1,046.3	178.8	162.0	16.79	10.648		
4,900.0	4,808.2	4,891.7	4,763.5	18.2	21.1	-1.02	41.7	1,070.7	182.5	165.4	17.14	10.649		
5,000.0	4,906.0	4,991.6	4,860.4	18.6	21.5	-1.02	42.7	1,095.1	186.3	168.8	17.49	10.650		
5,100.0	5,003.8	5,091.6	4,957.3	19.1	22.0	-1.03	43.6	1,119.5	190.0	172.2	17.84	10.650		

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 1K-19H-B2681
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 1K-19H-B2681	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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,101.6	5,191.5	5,054.2	19.5	22.5	-1.03	44.6	1,143.9	193.8	175.6	18.19	10.651		
5,300.0	5,199.4	5,291.4	5,151.1	19.9	23.0	-1.03	45.5	1,168.4	197.5	179.0	18.55	10.652		
5,400.0	5,297.2	5,391.3	5,248.0	20.3	23.4	-1.03	46.5	1,192.8	201.3	182.4	18.90	10.653		
5,500.0	5,395.0	5,491.3	5,344.9	20.7	23.9	-1.03	47.5	1,217.2	205.1	185.8	19.25	10.654		
5,600.0	5,492.8	5,591.2	5,441.8	21.1	24.4	-1.04	48.4	1,241.6	208.8	189.2	19.60	10.654		
5,700.0	5,590.7	5,691.1	5,538.7	21.5	24.8	-1.04	49.4	1,266.1	212.6	192.6	19.95	10.655		
5,800.0	5,688.5	5,791.1	5,635.6	21.9	25.3	-1.04	50.3	1,290.5	216.3	196.0	20.30	10.656		
5,900.0	5,786.3	5,891.0	5,732.5	22.3	25.8	-1.04	51.3	1,314.9	220.1	199.4	20.65	10.656		
6,000.0	5,884.1	5,990.9	5,829.3	22.7	26.3	-1.04	52.2	1,339.3	223.9	202.8	21.01	10.657		
6,100.0	5,981.9	6,090.9	5,926.2	23.1	26.7	-1.04	53.2	1,363.8	227.6	206.3	21.36	10.657		
6,200.0	6,079.7	6,190.8	6,023.1	23.6	27.2	-1.05	54.1	1,388.2	231.4	209.7	21.71	10.658		
6,300.0	6,177.5	6,290.7	6,120.0	24.0	27.7	-1.05	55.1	1,412.6	235.1	213.1	22.06	10.659		
6,400.0	6,275.3	6,390.6	6,216.9	24.4	28.1	-1.05	56.0	1,437.0	238.9	216.5	22.41	10.659		
6,500.0	6,373.2	6,490.6	6,313.8	24.8	28.6	-1.05	57.0	1,461.5	242.6	219.9	22.76	10.660		
6,600.0	6,471.0	6,590.5	6,410.7	25.2	29.1	-1.05	57.9	1,485.9	246.4	223.3	23.11	10.660		
6,700.0	6,568.8	6,690.4	6,507.6	25.6	29.6	-1.05	58.9	1,510.3	250.2	226.7	23.47	10.661		
6,800.0	6,666.6	6,790.4	6,604.5	26.0	30.0	-1.05	59.8	1,534.7	253.9	230.1	23.82	10.661		
6,900.0	6,764.4	6,891.4	6,702.4	26.4	30.5	-0.39	57.8	1,559.4	257.5	233.4	24.16	10.661		
6,997.9	6,860.2	6,988.5	6,795.5	26.8	31.0	2.98	43.3	1,582.9	261.0	236.4	24.61	10.605		
7,000.0	6,862.2	6,990.5	6,797.3	26.8	31.0	2.31	42.9	1,583.3	261.1	236.5	24.63	10.602		
7,050.0	6,911.1	7,038.5	6,842.4	27.0	31.2	-13.48	30.8	1,594.7	263.4	238.4	25.08	10.505		
7,100.0	6,959.8	7,085.8	6,885.9	27.2	31.4	-26.36	15.9	1,605.7	266.2	240.6	25.62	10.390		
7,150.0	7,007.9	7,132.5	6,927.9	27.4	31.6	-35.42	-1.7	1,616.2	269.3	243.1	26.25	10.259		
7,200.0	7,055.4	7,178.6	6,968.1	27.6	31.8	-41.35	-21.7	1,626.4	272.8	246.0	26.80	10.180		
7,250.0	7,102.0	7,224.2	7,006.5	27.8	32.0	-45.11	-44.2	1,636.1	276.5	249.2	27.30	10.129		
7,300.0	7,147.4	7,269.2	7,043.1	28.0	32.2	-47.44	-68.7	1,645.3	280.4	252.7	27.69	10.127		
7,350.0	7,191.5	7,313.7	7,077.7	28.2	32.4	-48.83	-95.3	1,654.0	284.5	256.6	27.95	10.179		
7,400.0	7,233.9	7,357.8	7,110.3	28.4	32.6	-49.58	-123.8	1,662.2	288.7	260.6	28.06	10.289		
7,450.0	7,274.6	7,400.0	7,139.9	28.6	32.8	-49.97	-153.0	1,669.7	292.9	264.9	28.01	10.459		
7,500.0	7,313.3	7,444.7	7,169.3	28.8	33.0	-49.99	-185.8	1,677.1	297.1	269.3	27.83	10.675		
7,550.0	7,349.8	7,487.6	7,195.7	29.0	33.2	-49.88	-219.0	1,683.7	301.2	273.7	27.52	10.943		
7,600.0	7,383.9	7,530.2	7,219.9	29.2	33.4	-49.64	-253.5	1,689.8	305.1	278.0	27.12	11.250		
7,650.0	7,415.5	7,572.5	7,242.0	29.5	33.6	-49.34	-289.1	1,695.4	308.9	282.3	26.68	11.579		
7,700.0	7,444.4	7,614.6	7,261.8	29.7	33.8	-49.00	-325.9	1,700.4	312.5	286.3	26.25	11.907		
7,750.0	7,470.5	7,656.4	7,279.5	30.0	34.0	-48.65	-363.5	1,704.9	315.8	289.9	25.88	12.202		
7,800.0	7,493.7	7,700.0	7,295.5	30.2	34.3	-48.27	-403.8	1,708.9	318.9	293.2	25.66	12.425		
7,850.0	7,513.8	7,739.4	7,308.0	30.5	34.5	-47.96	-441.1	1,712.0	321.6	295.9	25.66	12.534		
7,900.0	7,530.7	7,780.7	7,318.9	30.8	34.7	-47.66	-480.8	1,714.8	323.9	298.0	25.92	12.498		
7,950.0	7,544.4	7,821.8	7,327.5	31.1	34.9	-47.38	-520.9	1,717.0	325.9	299.4	26.50	12.299		
8,000.0	7,554.8	7,862.8	7,333.9	31.5	35.2	-47.15	-561.4	1,718.6	327.5	300.1	27.42	11.944		
8,050.0	7,561.8	7,900.0	7,337.8	31.8	35.4	-46.96	-598.4	1,719.5	328.8	300.1	28.66	11.469		
8,100.0	7,565.5	7,944.7	7,339.9	32.1	35.7	-46.79	-643.0	1,720.1	329.5	299.2	30.28	10.882		
8,128.3	7,566.0	7,970.0	7,340.0	32.3	35.9	-46.73	-668.4	1,720.1	329.7	298.4	31.33	10.523		
8,200.0	7,566.0	8,041.8	7,340.0	32.9	36.3	-46.73	-740.1	1,720.1	329.7	297.1	32.62	10.108		
8,300.0	7,566.0	8,141.8	7,340.0	33.7	37.1	-46.73	-840.1	1,720.1	329.7	295.2	34.50	9.558		
8,400.0	7,566.0	8,241.8	7,340.0	34.6	37.9	-46.73	-940.1	1,720.1	329.7	293.3	36.46	9.044		
8,500.0	7,566.0	8,341.8	7,340.0	35.5	38.7	-46.73	-1,040.1	1,720.1	329.7	291.2	38.49	8.567		
8,600.0	7,566.0	8,441.8	7,340.0	36.5	39.6	-46.73	-1,140.1	1,720.1	329.7	289.2	40.58	8.125		
8,700.0	7,566.0	8,541.8	7,340.0	37.6	40.6	-46.73	-1,240.1	1,720.1	329.7	287.0	42.73	7.718		
8,800.0	7,566.0	8,641.8	7,340.0	38.7	41.6	-46.73	-1,340.1	1,720.1	329.7	284.8	44.91	7.341		
8,900.0	7,566.0	8,741.8	7,340.0	39.8	42.7	-46.73	-1,440.1	1,720.1	329.7	282.6	47.14	6.995		
9,000.0	7,566.0	8,841.8	7,340.0	41.0	43.8	-46.73	-1,540.1	1,720.1	329.7	280.3	49.40	6.674		

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 1K-19H-B2681
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 1K-19H-B2681	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		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		
9,100.0	7,566.0	8,941.8	7,340.0	42.3	44.9	-46.73	-1,640.1	1,720.1	329.7	278.0	51.69	6.379		
9,200.0	7,566.0	9,041.8	7,340.0	43.5	46.1	-46.73	-1,740.1	1,720.1	329.7	275.7	54.01	6.106		
9,300.0	7,566.0	9,141.8	7,340.0	44.8	47.4	-46.73	-1,840.1	1,720.1	329.7	273.4	56.34	5.852		
9,400.0	7,566.0	9,241.8	7,340.0	46.2	48.6	-46.73	-1,940.1	1,720.1	329.7	271.0	58.70	5.617		
9,500.0	7,566.0	9,341.8	7,340.0	47.5	49.9	-46.73	-2,040.1	1,720.1	329.7	268.7	61.07	5.399		
9,600.0	7,566.0	9,441.8	7,340.0	48.9	51.2	-46.73	-2,140.1	1,720.1	329.7	266.3	63.46	5.196		
9,700.0	7,566.0	9,541.8	7,340.0	50.4	52.6	-46.73	-2,240.1	1,720.1	329.7	263.9	65.86	5.007		
9,800.0	7,566.0	9,641.8	7,340.0	51.8	53.9	-46.73	-2,340.1	1,720.1	329.7	261.5	68.28	4.830		
9,900.0	7,566.0	9,741.8	7,340.0	53.2	55.3	-46.73	-2,440.1	1,720.1	329.7	259.0	70.70	4.664		
10,000.0	7,566.0	9,841.8	7,340.0	54.7	56.8	-46.73	-2,540.1	1,720.1	329.7	256.6	73.13	4.509		
10,100.0	7,566.0	9,941.8	7,340.0	56.2	58.2	-46.73	-2,640.1	1,720.1	329.7	254.2	75.58	4.363		
10,200.0	7,566.0	10,041.8	7,340.0	57.7	59.6	-46.73	-2,740.1	1,720.1	329.7	251.7	78.03	4.226		
10,300.0	7,566.0	10,141.8	7,340.0	59.2	61.1	-46.73	-2,840.1	1,720.1	329.7	249.2	80.49	4.097		
10,400.0	7,566.0	10,241.8	7,340.0	60.7	62.6	-46.73	-2,940.1	1,720.1	329.7	246.8	82.95	3.975		
10,500.0	7,566.0	10,341.8	7,340.0	62.3	64.1	-46.73	-3,040.1	1,720.1	329.7	244.3	85.43	3.860		
10,600.0	7,566.0	10,441.8	7,340.0	63.8	65.6	-46.73	-3,140.1	1,720.1	329.7	241.8	87.90	3.751		
10,700.0	7,566.0	10,541.8	7,340.0	65.4	67.1	-46.73	-3,240.1	1,720.1	329.7	239.4	90.39	3.648		
10,800.0	7,566.0	10,641.8	7,340.0	67.0	68.6	-46.73	-3,340.1	1,720.1	329.7	236.9	92.87	3.550		
10,900.0	7,566.0	10,741.8	7,340.0	68.6	70.2	-46.73	-3,440.1	1,720.1	329.7	234.4	95.36	3.458		
11,000.0	7,566.0	10,841.8	7,340.0	70.1	71.7	-46.73	-3,540.1	1,720.1	329.7	231.9	97.86	3.370		
11,100.0	7,566.0	10,941.8	7,340.0	71.7	73.3	-46.73	-3,640.1	1,720.1	329.7	229.4	100.36	3.286		
11,200.0	7,566.0	11,041.8	7,340.0	73.3	74.9	-46.73	-3,740.1	1,720.1	329.7	226.9	102.86	3.206		
11,300.0	7,566.0	11,143.2	7,340.0	75.0	76.4	-46.72	-3,841.6	1,720.0	329.7	224.3	105.36	3.129		
11,400.0	7,566.0	11,245.7	7,340.0	76.6	78.1	-46.55	-3,944.0	1,718.6	328.7	221.0	107.64	3.053		
11,500.0	7,566.0	11,345.7	7,340.0	78.2	79.6	-46.36	-4,044.0	1,717.0	327.5	217.7	109.82	2.982		
11,600.0	7,566.0	11,445.7	7,340.0	79.8	81.2	-46.16	-4,143.9	1,715.3	326.3	214.3	111.99	2.914		
11,700.0	7,566.0	11,545.6	7,340.0	81.5	82.8	-45.96	-4,243.9	1,713.7	325.1	211.0	114.14	2.848		
11,800.0	7,566.0	11,645.6	7,340.0	83.1	84.4	-45.76	-4,343.9	1,712.0	323.9	207.7	116.26	2.786		
11,900.0	7,566.0	11,745.6	7,340.0	84.8	86.0	-45.55	-4,443.9	1,710.4	322.8	204.4	118.37	2.727		
12,000.0	7,566.0	11,845.6	7,340.0	86.4	87.7	-45.35	-4,543.8	1,708.8	321.6	201.1	120.47	2.670		
12,100.0	7,566.0	11,945.6	7,340.0	88.1	89.3	-45.14	-4,643.8	1,707.1	320.4	197.9	122.54	2.615		
12,200.0	7,566.0	12,045.6	7,340.0	89.7	90.9	-44.93	-4,743.8	1,705.5	319.3	194.7	124.59	2.562		
12,223.9	7,566.0	12,065.8	7,340.0	90.1	91.2	-44.89	-4,764.0	1,705.1	319.0	194.0	125.05	2.551		
12,228.3	7,566.0	12,065.8	7,340.0	90.2	91.2	-44.89	-4,764.0	1,705.1	319.0	193.9	125.10	2.550 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 2 - 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)							
11,300.0	7,566.0	7,576.5	7,573.9	75.0	13.4	89.81	-4,222.8	567.2	989.7	906.3	83.48	11.856					
11,400.0	7,566.0	7,576.1	7,573.6	76.6	13.4	89.79	-4,222.8	567.2	955.5	870.3	85.21	11.215					
11,500.0	7,566.0	7,575.8	7,573.3	78.2	13.4	89.77	-4,222.8	567.2	930.9	843.9	86.93	10.708					
11,600.0	7,566.0	7,575.5	7,572.9	79.8	13.4	89.75	-4,222.8	567.3	916.5	827.8	88.66	10.337					
11,682.7	7,566.0	7,575.2	7,572.7	81.2	13.4	89.73	-4,222.8	567.3	912.8	822.7	90.09	10.132 CC					
11,700.0	7,566.0	7,575.2	7,572.6	81.5	13.4	89.72	-4,222.8	567.3	912.9	822.5	90.39	10.100 ES					
11,800.0	7,566.0	7,574.8	7,572.3	83.1	13.4	89.70	-4,222.8	567.3	920.3	828.2	92.12	9.990 SF					
11,900.0	7,566.0	7,574.5	7,572.0	84.8	13.4	89.68	-4,222.8	567.3	938.3	844.4	93.85	9.998					
12,000.0	7,566.0	7,574.2	7,571.6	86.4	13.4	89.66	-4,222.8	567.3	966.3	870.8	95.58	10.111					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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	-148.93	-709.6	-427.5	828.5					
100.0	100.0	89.3	89.3	0.2	0.2	-148.96	-710.0	-427.3	828.7	828.4	0.31	2,691.029 ES		
200.0	200.0	187.0	187.0	0.3	0.3	-149.03	-711.1	-426.9	829.5	828.8	0.65	1,269.073		
300.0	300.0	287.2	287.1	0.5	0.5	-149.08	-712.3	-426.6	830.3	829.3	1.00	827.419		
400.0	400.0	390.9	390.9	0.7	0.7	123.02	-713.1	-426.5	831.9	830.5	1.36	611.224		
500.0	499.8	490.9	490.9	0.9	0.9	123.26	-713.4	-426.6	835.1	833.4	1.72	485.208		
600.0	599.5	592.6	592.6	1.1	1.0	123.69	-713.6	-426.8	840.1	838.0	2.10	399.645		
700.0	698.7	688.0	688.0	1.3	1.2	124.25	-713.7	-427.2	847.3	844.8	2.50	339.097		
800.0	797.5	786.8	786.8	1.7	1.4	125.00	-713.8	-428.2	856.8	853.9	2.93	292.160		
900.2	895.8	884.5	884.4	2.0	1.5	125.88	-713.7	-429.3	868.6	865.2	3.40	255.442		
1,000.0	993.4	979.5	979.5	2.4	1.7	127.02	-713.5	-430.8	881.9	878.0	3.87	227.840		
1,100.0	1,091.2	1,075.7	1,075.7	2.8	1.9	128.16	-713.3	-432.7	895.8	891.4	4.34	206.205		
1,200.0	1,189.1	1,171.4	1,171.3	3.2	2.1	129.28	-713.0	-434.9	910.1	905.3	4.81	189.038		
1,300.0	1,286.9	1,269.3	1,269.2	3.6	2.2	130.41	-712.6	-437.5	925.0	919.7	5.28	175.023		
1,400.0	1,384.7	1,366.0	1,365.8	4.0	2.4	131.51	-711.9	-440.2	940.0	934.3	5.75	163.539		
1,500.0	1,482.5	1,467.2	1,467.0	4.4	2.6	132.63	-711.1	-443.2	955.4	949.2	6.21	153.779		
1,600.0	1,580.3	1,558.7	1,558.4	4.8	2.7	133.62	-710.1	-445.8	970.9	964.3	6.66	145.824		
1,700.0	1,678.1	1,645.7	1,645.4	5.2	2.9	134.55	-709.7	-449.0	987.8	980.7	7.09	139.284 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 42-19 - 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		
8,400.0	7,566.0	7,541.4	7,539.1	34.6	13.4	89.36	-1,780.5	949.0	994.1	958.7	35.42	28.066		
8,500.0	7,566.0	7,541.7	7,539.4	35.5	13.4	89.40	-1,780.5	949.0	911.1	874.3	36.88	24.707		
8,600.0	7,566.0	7,542.1	7,539.8	36.5	13.4	89.44	-1,780.5	949.0	831.9	793.5	38.37	21.679		
8,700.0	7,566.0	7,542.5	7,540.2	37.6	13.4	89.48	-1,780.5	949.0	757.6	717.7	39.90	18.988		
8,800.0	7,566.0	7,542.9	7,540.6	38.7	13.4	89.52	-1,780.5	949.0	689.9	648.4	41.45	16.642		
8,900.0	7,566.0	7,543.2	7,540.9	39.8	13.4	89.56	-1,780.5	949.0	630.7	587.7	43.03	14.658		
9,000.0	7,566.0	7,543.6	7,541.3	41.0	13.4	89.60	-1,780.5	949.0	582.9	538.3	44.62	13.062		
9,100.0	7,566.0	7,544.0	7,541.7	42.3	13.4	89.64	-1,780.5	949.0	549.2	503.0	46.24	11.879		
9,200.0	7,566.0	7,544.4	7,542.1	43.5	13.4	89.69	-1,780.5	949.0	532.5	484.7	47.86	11.127		
9,240.4	7,566.0	7,544.6	7,542.2	44.1	13.4	89.70	-1,780.5	949.0	531.0	482.5	48.52	10.943 CC, ES		
9,300.0	7,566.0	7,544.8	7,542.5	44.8	13.4	89.73	-1,780.5	949.0	534.3	484.8	49.50	10.795 SF		
9,400.0	7,566.0	7,545.2	7,542.9	46.2	13.4	89.77	-1,780.5	949.0	554.5	503.3	51.14	10.841		
9,500.0	7,566.0	7,545.6	7,543.3	47.5	13.4	89.81	-1,780.5	949.0	591.0	538.2	52.80	11.194		
9,600.0	7,566.0	7,546.0	7,543.6	48.9	13.4	89.85	-1,780.5	949.0	641.3	586.8	54.47	11.774		
9,700.0	7,566.0	7,546.3	7,544.0	50.4	13.4	89.90	-1,780.5	949.0	702.3	646.1	56.14	12.509		
9,800.0	7,566.0	7,546.7	7,544.4	51.8	13.4	89.94	-1,780.5	949.0	771.4	713.6	57.82	13.342		
9,900.0	7,566.0	7,547.1	7,544.8	53.2	13.4	89.98	-1,780.5	949.0	846.8	787.3	59.50	14.231		
10,000.0	7,566.0	7,547.5	7,545.2	54.7	13.4	90.02	-1,780.5	949.0	926.8	865.6	61.19	15.146		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 43-19 - ENCANA - SURVEYS											Offset Site Error:		0.0 ft	
Survey Program: 771-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		
9,900.0	7,566.0	7,808.7	7,564.4	53.2	29.0	90.78	-3,267.6	1,085.4	916.8	856.4	60.40	15.180		
10,000.0	7,566.0	7,808.3	7,564.0	54.7	29.0	90.73	-3,267.6	1,085.4	827.7	765.6	62.08	13.332		
10,100.0	7,566.0	7,807.9	7,563.6	56.2	29.0	90.67	-3,267.6	1,085.4	741.3	677.5	63.77	11.624		
10,200.0	7,566.0	7,807.5	7,563.2	57.7	29.0	90.61	-3,267.6	1,085.4	658.8	593.3	65.47	10.063		
10,300.0	7,566.0	7,807.1	7,562.8	59.2	29.0	90.56	-3,267.6	1,085.4	581.8	514.7	67.16	8.663		
10,400.0	7,566.0	7,806.7	7,562.4	60.7	29.0	90.50	-3,267.6	1,085.4	512.9	444.0	68.87	7.447		
10,500.0	7,566.0	7,806.4	7,562.1	62.3	29.0	90.44	-3,267.6	1,085.4	455.5	385.0	70.57	6.455		
10,600.0	7,566.0	7,806.0	7,561.7	63.8	29.0	90.39	-3,267.6	1,085.4	414.7	342.5	72.28	5.738		
10,700.0	7,566.0	7,805.6	7,561.3	65.4	29.0	90.33	-3,267.6	1,085.4	395.6	321.6	73.99	5.347		
10,727.6	7,566.0	7,805.5	7,561.2	65.8	29.0	90.32	-3,267.6	1,085.4	394.6	320.2	74.46	5.300 CC, ES, SF		
10,800.0	7,566.0	7,805.2	7,560.9	67.0	29.0	90.28	-3,267.6	1,085.4	401.2	325.5	75.70	5.300		
10,900.0	7,566.0	7,804.8	7,560.5	68.6	29.0	90.22	-3,267.6	1,085.4	430.7	353.2	77.41	5.563		
11,000.0	7,566.0	7,804.4	7,560.1	70.1	29.0	90.16	-3,267.6	1,085.4	479.5	400.4	79.13	6.060		
11,100.0	7,566.0	7,804.1	7,559.8	71.7	29.0	90.11	-3,267.6	1,085.4	542.6	461.8	80.85	6.712		
11,200.0	7,566.0	7,803.7	7,559.4	73.3	29.0	90.05	-3,267.6	1,085.4	615.6	533.0	82.57	7.455		
11,300.0	7,566.0	7,803.3	7,559.0	75.0	29.0	90.00	-3,267.6	1,085.4	695.3	611.0	84.29	8.249		
11,400.0	7,566.0	7,802.9	7,558.6	76.6	29.0	89.94	-3,267.6	1,085.4	779.7	693.7	86.01	9.065		
11,500.0	7,566.0	7,802.5	7,558.2	78.2	29.0	89.89	-3,267.6	1,085.4	867.4	779.7	87.74	9.887		
11,600.0	7,566.0	7,802.1	7,557.8	79.8	29.0	89.83	-3,267.6	1,085.4	957.5	868.1	89.46	10.703		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 B UNIT 1 - 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)				
2,300.0	2,265.0	2,257.7	2,257.4	7.6	4.0	71.56	-917.9	710.2	996.7	985.4	11.28	88.368		
2,400.0	2,362.8	2,353.6	2,353.3	8.0	4.1	72.77	-918.1	708.2	989.6	977.7	11.88	83.318		
2,500.0	2,460.6	2,452.1	2,451.8	8.4	4.3	74.03	-918.3	706.0	982.9	970.4	12.48	78.729		
2,600.0	2,558.4	2,549.2	2,548.9	8.8	4.5	75.31	-918.4	703.6	976.7	963.6	13.09	74.598		
2,700.0	2,656.3	2,648.3	2,647.9	9.2	4.7	76.65	-918.7	700.7	971.0	957.3	13.71	70.838		
2,800.0	2,754.1	2,750.9	2,750.4	9.6	4.9	78.04	-918.5	697.9	965.4	951.1	14.33	67.371		
2,900.0	2,851.9	2,851.6	2,851.1	10.1	5.0	79.42	-917.8	694.9	959.8	944.9	14.95	64.210		
3,000.0	2,949.7	2,949.3	2,948.7	10.5	5.2	80.80	-917.0	691.6	954.6	939.1	15.56	61.345		
3,100.0	3,047.5	3,047.8	3,047.1	10.9	5.4	82.23	-916.3	687.8	950.0	933.9	16.18	58.723		
3,200.0	3,145.3	3,147.8	3,147.1	11.3	5.6	83.73	-915.3	683.4	945.7	928.9	16.80	56.301		
3,300.0	3,243.1	3,248.2	3,247.4	11.7	5.8	85.27	-914.1	678.5	941.8	924.3	17.42	54.075		
3,400.0	3,341.0	3,352.2	3,351.2	12.1	6.0	86.88	-912.2	673.4	937.9	919.9	18.04	52.000		
3,500.0	3,438.8	3,452.4	3,451.2	12.5	6.2	88.43	-909.7	668.4	934.1	915.4	18.65	50.094		
3,600.0	3,536.6	3,548.2	3,546.9	12.9	6.3	89.94	-907.2	663.6	930.9	911.6	19.24	48.378		
3,700.0	3,634.4	3,639.7	3,638.2	13.3	6.5	91.40	-905.1	658.7	928.6	908.7	19.82	46.839		
3,800.0	3,732.2	3,733.7	3,732.1	13.7	6.7	92.93	-903.7	653.3	927.8	907.4	20.41	45.467		
3,900.0	3,830.0	3,841.6	3,839.7	14.1	6.9	94.68	-901.1	647.3	926.9	905.9	21.00	44.133		
4,000.0	3,927.8	3,939.8	3,937.8	14.6	7.1	96.26	-898.1	642.0	926.1	904.5	21.57	42.930		
4,045.4	3,972.2	3,982.6	3,980.5	14.7	7.2	96.95	-896.8	639.8	926.0	904.2	21.82	42.429		
4,100.0	4,025.6	4,035.5	4,033.3	15.0	7.3	97.80	-895.2	637.1	926.1	904.0	22.13	41.855		
4,200.0	4,123.5	4,137.1	4,134.7	15.4	7.5	99.38	-892.1	632.6	926.7	904.0	22.68	40.867		
4,300.0	4,221.3	4,241.8	4,239.4	15.8	7.7	100.94	-888.2	629.2	927.1	903.8	23.22	39.932		
4,400.0	4,319.1	4,338.5	4,336.0	16.2	7.9	102.33	-884.3	626.9	927.7	903.9	23.74	39.085		
4,500.0	4,416.9	4,431.7	4,429.1	16.6	8.0	103.67	-880.9	624.8	929.2	905.0	24.24	38.334		
4,600.0	4,514.7	4,526.1	4,523.4	17.0	8.2	105.00	-877.8	622.8	931.7	907.0	24.74	37.666		
4,700.0	4,612.5	4,619.9	4,617.2	17.4	8.4	106.27	-875.2	621.4	935.1	909.8	25.22	37.076		
4,800.0	4,710.3	4,715.6	4,712.8	17.8	8.5	107.53	-873.0	620.3	939.2	913.5	25.70	36.551		
4,900.0	4,808.2	4,813.8	4,811.0	18.2	8.7	108.81	-870.7	619.2	943.9	917.7	26.17	36.075		
5,000.0	4,906.0	4,908.0	4,905.1	18.6	8.9	110.02	-868.8	618.3	949.2	922.6	26.62	35.657		
5,100.0	5,003.8	5,002.9	5,000.0	19.1	9.0	111.21	-867.2	617.5	955.4	928.3	27.07	35.293		
5,200.0	5,101.6	5,098.7	5,095.8	19.5	9.2	112.39	-865.8	616.6	962.2	934.6	27.51	34.978		
5,300.0	5,199.4	5,193.9	5,191.0	19.9	9.4	113.54	-864.6	615.9	969.6	941.6	27.94	34.706		
5,400.0	5,297.2	5,288.2	5,285.3	20.3	9.5	114.66	-863.8	615.0	977.7	949.4	28.36	34.479		
5,500.0	5,395.0	5,386.3	5,383.4	20.7	9.7	115.81	-863.0	614.0	986.5	957.7	28.77	34.287		
5,600.0	5,492.8	5,480.5	5,477.6	21.1	9.9	116.90	-862.4	613.1	995.7	966.5	29.17	34.130		
7,800.0	7,493.7	7,465.3	7,462.2	30.2	13.3	77.92	-849.9	614.5	985.6	955.4	30.28	32.552		
7,850.0	7,513.8	7,482.8	7,479.8	30.5	13.3	79.93	-850.0	614.2	967.5	937.2	30.32	31.913		
7,900.0	7,530.7	7,500.0	7,497.0	30.8	13.3	82.01	-850.2	613.9	950.1	919.6	30.44	31.212		
7,950.0	7,544.4	7,511.0	7,508.0	31.1	13.4	83.76	-850.3	613.6	933.6	902.9	30.63	30.475		
8,000.0	7,554.8	7,521.4	7,518.4	31.5	13.4	85.47	-850.4	613.4	918.3	887.4	30.89	29.725		
8,050.0	7,561.8	7,528.5	7,525.5	31.8	13.4	86.92	-850.4	613.3	904.4	873.2	31.20	28.985		
8,100.0	7,565.5	7,532.4	7,529.4	32.1	13.4	88.09	-850.5	613.2	892.1	860.6	31.55	28.276		
8,128.3	7,566.0	7,533.1	7,530.1	32.3	13.4	88.62	-850.5	613.2	886.0	854.3	31.76	27.897		
8,200.0	7,566.0	7,533.7	7,530.6	32.9	13.4	88.65	-850.5	613.1	874.1	841.4	32.69	26.736		
8,300.0	7,566.0	7,534.4	7,531.4	33.7	13.4	88.70	-850.5	613.1	867.2	833.1	34.05	25.467		
8,310.4	7,566.0	7,534.5	7,531.5	33.8	13.4	88.71	-850.5	613.1	867.1	832.9	34.20	25.355 CC, ES		
8,400.0	7,566.0	7,535.2	7,532.2	34.6	13.4	88.75	-850.5	613.1	871.7	836.3	35.46	24.580		
8,500.0	7,566.0	7,535.9	7,532.9	35.5	13.4	88.80	-850.5	613.1	887.6	850.7	36.92	24.039		
8,600.0	7,566.0	7,536.7	7,533.6	36.5	13.4	88.85	-850.5	613.1	914.2	875.8	38.42	23.794 SF		
8,700.0	7,566.0	7,537.4	7,534.3	37.6	13.4	88.90	-850.5	613.1	950.6	910.7	39.95	23.796		
8,800.0	7,566.0	7,538.1	7,535.1	38.7	13.4	88.95	-850.5	613.0	995.8	954.3	41.50	23.993		

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

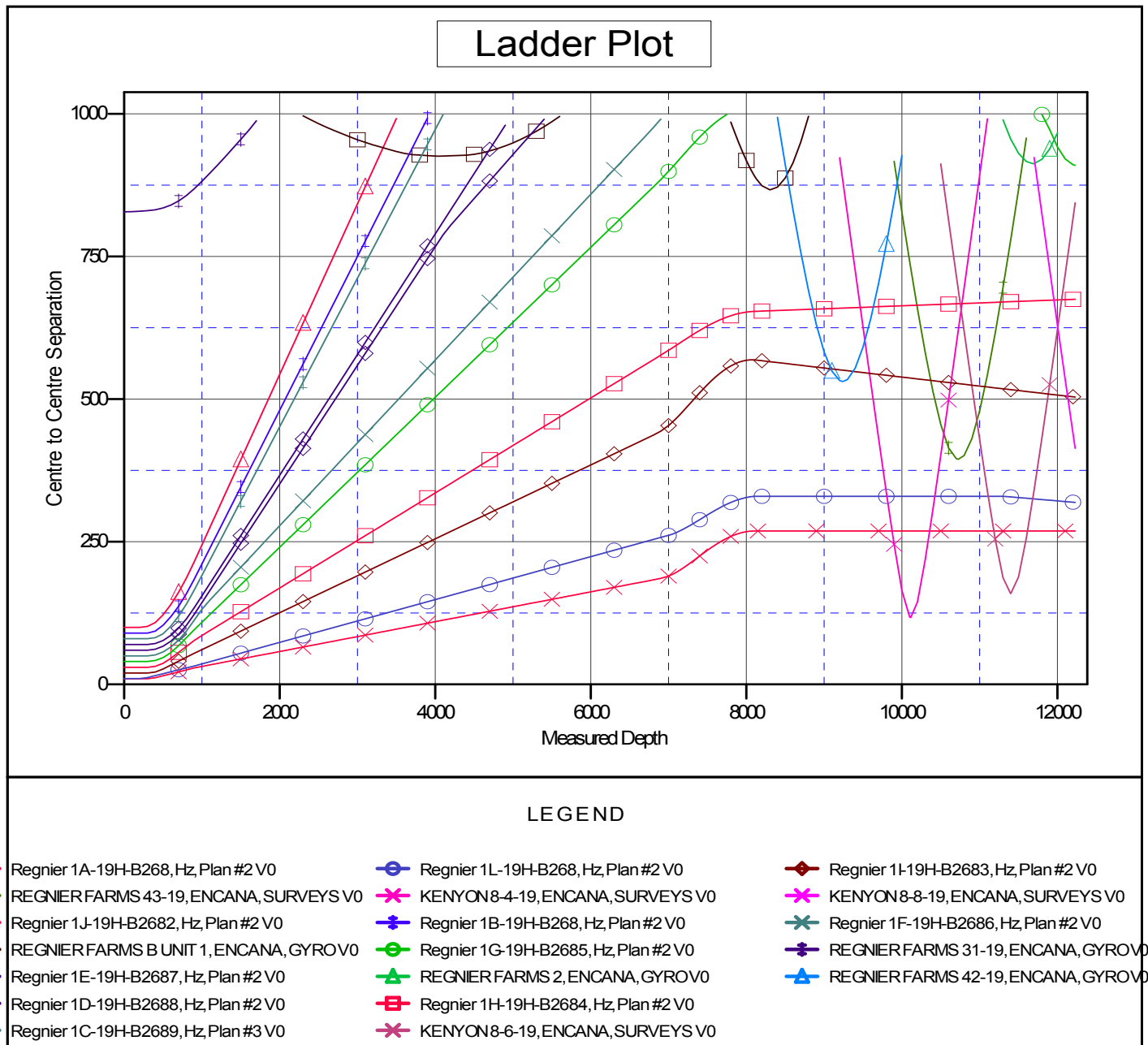
Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1K-19H-B2681
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 1K-19H-B2681	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 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 1K-19H-B2681
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