

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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 1G-19H-B2685					
Well Position	+N/-S	0.0 ft	Northing:	1,290,973.07 ft	Latitude:	40.131204
	+E/-W	0.0 ft	Easting:	3,127,763.28 ft	Longitude:	-105.043094
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 (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	
922.5	4.45	87.57	922.3	0.4	8.6	2.00	2.00	0.00	87.57	
6,736.4	4.45	87.57	6,718.6	19.5	459.3	0.00	0.00	0.00	0.00	
7,863.7	90.00	180.00	7,435.0	-696.7	515.1	8.00	7.59	8.20	92.42	
11,363.7	90.00	180.00	7,435.0	-4,196.7	515.1	0.00	0.00	0.00	0.00	Regnier 1G TGT
11,962.7	90.00	159.76	7,435.0	-4,783.3	619.7	3.38	0.00	-3.38	-90.00	Regnier 1G PBHL

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Project:	DJ Wattenberg	MD Reference:	13' KB @ 4978.0ft
Site:	S19-T2N-R68W (Rasmussen/Regnier)	North Reference:	True
Well:	Regnier 1G-19H-B2685	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	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	Start Build 2.00
800.0	2.00	87.57	800.0	0.1	1.7	-0.1	2.00	2.00	
900.0	4.00	87.57	899.8	0.3	7.0	-0.3	2.00	2.00	
922.5	4.45	87.57	922.3	0.4	8.6	-0.4	2.00	2.00	Start 5813.8 hold at 922.5 MD
1,000.0	4.45	87.57	999.5	0.6	14.6	-0.6	0.00	0.00	
1,100.0	4.45	87.57	1,099.2	0.9	22.4	-0.9	0.00	0.00	
1,200.0	4.45	87.57	1,198.9	1.3	30.1	-1.3	0.00	0.00	
1,300.0	4.45	87.57	1,298.6	1.6	37.9	-1.6	0.00	0.00	
1,400.0	4.45	87.57	1,398.3	1.9	45.6	-1.9	0.00	0.00	
1,500.0	4.45	87.57	1,498.0	2.3	53.4	-2.3	0.00	0.00	
1,600.0	4.45	87.57	1,597.7	2.6	61.2	-2.6	0.00	0.00	
1,700.0	4.45	87.57	1,697.4	2.9	68.9	-2.9	0.00	0.00	
1,800.0	4.45	87.57	1,797.1	3.3	76.7	-3.3	0.00	0.00	
1,900.0	4.45	87.57	1,896.8	3.6	84.4	-3.6	0.00	0.00	
2,000.0	4.45	87.57	1,996.5	3.9	92.2	-3.9	0.00	0.00	
2,100.0	4.45	87.57	2,096.2	4.2	99.9	-4.2	0.00	0.00	
2,200.0	4.45	87.57	2,195.9	4.6	107.7	-4.6	0.00	0.00	
2,300.0	4.45	87.57	2,295.6	4.9	115.4	-4.9	0.00	0.00	
2,400.0	4.45	87.57	2,395.3	5.2	123.2	-5.2	0.00	0.00	
2,500.0	4.45	87.57	2,495.0	5.6	130.9	-5.6	0.00	0.00	
2,600.0	4.45	87.57	2,594.7	5.9	138.7	-5.9	0.00	0.00	
2,700.0	4.45	87.57	2,694.4	6.2	146.4	-6.2	0.00	0.00	
2,800.0	4.45	87.57	2,794.1	6.5	154.2	-6.5	0.00	0.00	
2,900.0	4.45	87.57	2,893.8	6.9	161.9	-6.9	0.00	0.00	
3,000.0	4.45	87.57	2,993.5	7.2	169.7	-7.2	0.00	0.00	
3,100.0	4.45	87.57	3,093.2	7.5	177.4	-7.5	0.00	0.00	
3,200.0	4.45	87.57	3,192.9	7.9	185.2	-7.9	0.00	0.00	
3,300.0	4.45	87.57	3,292.6	8.2	192.9	-8.2	0.00	0.00	
3,400.0	4.45	87.57	3,392.3	8.5	200.7	-8.5	0.00	0.00	
3,500.0	4.45	87.57	3,492.0	8.8	208.4	-8.8	0.00	0.00	
3,600.0	4.45	87.57	3,591.7	9.2	216.2	-9.2	0.00	0.00	
3,700.0	4.45	87.57	3,691.4	9.5	224.0	-9.5	0.00	0.00	
3,800.0	4.45	87.57	3,791.1	9.8	231.7	-9.8	0.00	0.00	
3,900.0	4.45	87.57	3,890.8	10.2	239.5	-10.2	0.00	0.00	
4,000.0	4.45	87.57	3,990.5	10.5	247.2	-10.5	0.00	0.00	
4,100.0	4.45	87.57	4,090.2	10.8	255.0	-10.8	0.00	0.00	
4,200.0	4.45	87.57	4,189.9	11.1	262.7	-11.1	0.00	0.00	
4,283.4	4.45	87.57	4,273.0	11.4	269.2	-11.4	0.00	0.00	Sussex
4,300.0	4.45	87.57	4,289.6	11.5	270.5	-11.5	0.00	0.00	
4,400.0	4.45	87.57	4,389.3	11.8	278.2	-11.8	0.00	0.00	
4,500.0	4.45	87.57	4,489.0	12.1	286.0	-12.1	0.00	0.00	
4,600.0	4.45	87.57	4,588.7	12.5	293.7	-12.5	0.00	0.00	
4,700.0	4.45	87.57	4,688.4	12.8	301.5	-12.8	0.00	0.00	
4,800.0	4.45	87.57	4,788.1	13.1	309.2	-13.1	0.00	0.00	

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Site:	S19-T2N-R68W (Rasmussen/Regnier)	North Reference:	True
Well:	Regnier 1G-19H-B2685	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
4,828.0	4.45	87.57	4,816.0	13.2	311.4	-13.2	0.00	0.00	Shannon
4,900.0	4.45	87.57	4,887.8	13.4	317.0	-13.4	0.00	0.00	
5,000.0	4.45	87.57	4,987.5	13.8	324.7	-13.8	0.00	0.00	
5,100.0	4.45	87.57	5,087.2	14.1	332.5	-14.1	0.00	0.00	
5,200.0	4.45	87.57	5,186.9	14.4	340.2	-14.4	0.00	0.00	
5,300.0	4.45	87.57	5,286.6	14.8	348.0	-14.8	0.00	0.00	
5,400.0	4.45	87.57	5,386.3	15.1	355.7	-15.1	0.00	0.00	
5,500.0	4.45	87.57	5,486.0	15.4	363.5	-15.4	0.00	0.00	
5,600.0	4.45	87.57	5,585.7	15.7	371.2	-15.7	0.00	0.00	
5,700.0	4.45	87.57	5,685.4	16.1	379.0	-16.1	0.00	0.00	
5,800.0	4.45	87.57	5,785.1	16.4	386.8	-16.4	0.00	0.00	
5,900.0	4.45	87.57	5,884.8	16.7	394.5	-16.7	0.00	0.00	
6,000.0	4.45	87.57	5,984.5	17.1	402.3	-17.1	0.00	0.00	
6,100.0	4.45	87.57	6,084.2	17.4	410.0	-17.4	0.00	0.00	
6,200.0	4.45	87.57	6,183.9	17.7	417.8	-17.7	0.00	0.00	
6,300.0	4.45	87.57	6,283.6	18.0	425.5	-18.0	0.00	0.00	
6,400.0	4.45	87.57	6,383.3	18.4	433.3	-18.4	0.00	0.00	
6,500.0	4.45	87.57	6,483.0	18.7	441.0	-18.7	0.00	0.00	
6,600.0	4.45	87.57	6,582.7	19.0	448.8	-19.0	0.00	0.00	
6,629.4	4.45	87.57	6,612.0	19.1	451.1	-19.1	0.00	0.00	Teepee Buttes (*if present)
6,700.0	4.45	87.57	6,682.4	19.4	456.5	-19.4	0.00	0.00	
6,736.4	4.45	87.57	6,718.6	19.5	459.3	-19.5	0.00	0.00	Start DLS 8.00 TFO 92.42
6,800.0	6.61	137.89	6,782.0	16.9	464.3	-16.9	8.00	3.40	
6,900.0	13.63	161.30	6,880.4	1.4	471.9	-1.4	8.00	7.02	
7,000.0	21.35	168.53	6,975.7	-27.6	479.3	27.6	8.00	7.71	
7,100.0	29.21	172.01	7,066.1	-69.7	486.4	69.7	8.00	7.86	
7,200.0	37.13	174.11	7,149.7	-124.0	492.9	124.0	8.00	7.92	
7,221.9	38.87	174.46	7,167.0	-137.4	494.2	137.4	8.00	7.94	Sharon Springs
7,300.0	45.08	175.55	7,225.0	-189.4	498.7	189.4	8.00	7.95	
7,351.4	49.17	176.15	7,260.0	-227.0	501.4	227.0	8.00	7.96	Niobrara
7,400.0	53.03	176.64	7,290.5	-264.7	503.8	264.7	8.00	7.96	
7,470.4	58.64	177.28	7,330.0	-322.9	506.9	322.9	8.00	7.96	B Chalk
7,500.0	61.00	177.53	7,344.9	-348.4	508.0	348.4	8.00	7.97	
7,528.0	63.23	177.75	7,358.0	-373.2	509.1	373.2	8.00	7.97	B Marl
7,600.0	68.97	178.29	7,387.1	-438.9	511.3	438.9	8.00	7.97	
7,700.0	76.94	178.97	7,416.4	-534.4	513.6	534.4	8.00	7.97	
7,743.7	80.43	179.25	7,425.0	-577.3	514.3	577.3	8.00	7.97	C Chalk
7,800.0	84.92	179.60	7,432.2	-633.1	514.8	633.1	8.00	7.98	
7,863.7	90.00	180.00	7,435.0	-696.7	515.1	696.7	8.00	7.98	Start 3500.0 hold at 7863.7 MD
7,900.0	90.00	180.00	7,435.0	-733.0	515.1	733.0	0.00	0.00	
8,000.0	90.00	180.00	7,435.0	-833.0	515.1	833.0	0.00	0.00	
8,100.0	90.00	180.00	7,435.0	-933.0	515.1	933.0	0.00	0.00	
8,200.0	90.00	180.00	7,435.0	-1,033.0	515.1	1,033.0	0.00	0.00	
8,300.0	90.00	180.00	7,435.0	-1,133.0	515.1	1,133.0	0.00	0.00	
8,400.0	90.00	180.00	7,435.0	-1,233.0	515.1	1,233.0	0.00	0.00	
8,500.0	90.00	180.00	7,435.0	-1,333.0	515.1	1,333.0	0.00	0.00	
8,600.0	90.00	180.00	7,435.0	-1,433.0	515.1	1,433.0	0.00	0.00	
8,700.0	90.00	180.00	7,435.0	-1,533.0	515.1	1,533.0	0.00	0.00	
8,800.0	90.00	180.00	7,435.0	-1,633.0	515.1	1,633.0	0.00	0.00	
8,900.0	90.00	180.00	7,435.0	-1,733.0	515.1	1,733.0	0.00	0.00	
9,000.0	90.00	180.00	7,435.0	-1,833.0	515.1	1,833.0	0.00	0.00	
9,100.0	90.00	180.00	7,435.0	-1,933.0	515.1	1,933.0	0.00	0.00	

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Well:	Regnier 1G-19H-B2685	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
9,200.0	90.00	180.00	7,435.0	-2,033.0	515.1	2,033.0	0.00	0.00	
9,300.0	90.00	180.00	7,435.0	-2,133.0	515.1	2,133.0	0.00	0.00	
9,400.0	90.00	180.00	7,435.0	-2,233.0	515.1	2,233.0	0.00	0.00	
9,500.0	90.00	180.00	7,435.0	-2,333.0	515.1	2,333.0	0.00	0.00	
9,600.0	90.00	180.00	7,435.0	-2,433.0	515.1	2,433.0	0.00	0.00	
9,700.0	90.00	180.00	7,435.0	-2,533.0	515.1	2,533.0	0.00	0.00	
9,800.0	90.00	180.00	7,435.0	-2,633.0	515.1	2,633.0	0.00	0.00	
9,900.0	90.00	180.00	7,435.0	-2,733.0	515.1	2,733.0	0.00	0.00	
10,000.0	90.00	180.00	7,435.0	-2,833.0	515.1	2,833.0	0.00	0.00	
10,100.0	90.00	180.00	7,435.0	-2,933.0	515.1	2,933.0	0.00	0.00	
10,200.0	90.00	180.00	7,435.0	-3,033.0	515.1	3,033.0	0.00	0.00	
10,300.0	90.00	180.00	7,435.0	-3,133.0	515.1	3,133.0	0.00	0.00	
10,400.0	90.00	180.00	7,435.0	-3,233.0	515.1	3,233.0	0.00	0.00	
10,500.0	90.00	180.00	7,435.0	-3,333.0	515.1	3,333.0	0.00	0.00	
10,600.0	90.00	180.00	7,435.0	-3,433.0	515.1	3,433.0	0.00	0.00	
10,700.0	90.00	180.00	7,435.0	-3,533.0	515.1	3,533.0	0.00	0.00	
10,800.0	90.00	180.00	7,435.0	-3,633.0	515.1	3,633.0	0.00	0.00	
10,900.0	90.00	180.00	7,435.0	-3,733.0	515.1	3,733.0	0.00	0.00	
11,000.0	90.00	180.00	7,435.0	-3,833.0	515.1	3,833.0	0.00	0.00	
11,100.0	90.00	180.00	7,435.0	-3,933.0	515.1	3,933.0	0.00	0.00	
11,200.0	90.00	180.00	7,435.0	-4,033.0	515.1	4,033.0	0.00	0.00	
11,300.0	90.00	180.00	7,435.0	-4,133.0	515.1	4,133.0	0.00	0.00	
11,363.7	90.00	180.00	7,435.0	-4,196.7	515.1	4,196.7	0.00	0.00	Start DLS 3.38 TFO -90.00
11,400.0	90.00	178.77	7,435.0	-4,233.0	515.4	4,233.0	3.38	0.00	
11,500.0	90.00	175.40	7,435.0	-4,332.8	520.5	4,332.8	3.38	0.00	
11,600.0	90.00	172.02	7,435.0	-4,432.2	531.5	4,432.2	3.38	0.00	
11,700.0	90.00	168.64	7,435.0	-4,530.8	548.3	4,530.8	3.38	0.00	
11,800.0	90.00	165.26	7,435.0	-4,628.2	570.9	4,628.2	3.38	0.00	
11,900.0	90.00	161.88	7,435.0	-4,724.1	599.1	4,724.1	3.38	0.00	
11,962.7	90.00	159.76	7,435.0	-4,783.3	619.7	4,783.3	3.38	0.00	TD at 11962.7

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Regnier 1G TGT	0.00	0.00	7,435.0	-4,196.7	515.1	1,286,779.07	3,128,299.95	40.119683	-105.041252
- plan hits target center									
- Point									
Regnier 1G PBHL	0.00	0.30	7,435.0	-4,783.3	619.7	1,286,192.99	3,128,407.67	40.118073	-105.040878
- plan hits target center									
- Point									

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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 1G-19H-B2685	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				
4,283.4	4,273.0	Sussex				
4,828.0	4,816.0	Shannon				
6,629.4	6,612.0	Teepee Buttes (*if present)				
7,221.9	7,167.0	Sharon Springs				
7,351.4	7,260.0	Niobrara				
7,470.4	7,330.0	B Chalk				
7,528.0	7,358.0	B Marl				
7,743.7	7,425.0	C Chalk				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
700.0	700.0	0.0	0.0	Start Build 2.00	
922.5	922.3	0.4	8.6	Start 5813.8 hold at 922.5 MD	
6,736.4	6,718.6	19.5	459.3	Start DLS 8.00 TFO 92.42	
7,863.7	7,435.0	-696.7	515.1	Start 3500.0 hold at 7863.7 MD	
11,363.7	7,435.0	-4,196.7	515.1	Start DLS 3.38 TFO -90.00	
11,962.7	7,435.0	-4,783.3	619.7	TD at 11962.7	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S19-T2N-R68W (Rasmussen/Regnier)

Regnier 1G-19H-B2685

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 1G-19H-B2685
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 1G-19H-B2685	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	11,962.7	Plan #2 (Hz)	Geolink MWD	Geolink MWD	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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	11,695.7	7,606.1	776.4	680.4	8.084	CC
KENYON 34-19 - ENCANA - ENCANA	11,700.0	7,606.0	776.5	680.4	8.080	ES, SF
KENYON 4-8-19 - ENCANA - ENCANA						Out of range
KENYON 8-4-19 - ENCANA - SURVEYS						Out of range
KENYON 8-6-19 - ENCANA - SURVEYS						Out of range
KENYON 8-8-19 - ENCANA - SURVEYS						Out of range
LABER 44-24 - ENCANA - NO SURVEYS						Out of range
MABLE M ROSS 1 - AMOCO WELL - NO SURVEYS						Out of range
RASMUSSEN 0-4-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN 0-6-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN 19-11 - ENCANA - GYRO						Out of range
RASMUSSEN 19-12 - ENCANA - NO SURVEYS						Out of range
RASMUSSEN 19-14 - ENCANA - GYRO						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 #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	59.9	59.2	91.753	CC, ES
Regnier 1A-19H-B268 - Hz - Plan #2	700.0	692.6	93.9	91.4	36.711	SF
Regnier 1B-19H-B268 - Hz - Plan #2	300.0	300.0	49.8	48.8	49.714	CC, ES
Regnier 1B-19H-B268 - Hz - Plan #2	700.0	696.2	69.3	66.8	28.245	SF
Regnier 1C-19H-B2689 - Hz - Plan #3	400.0	400.0	40.0	38.7	29.619	CC, ES
Regnier 1C-19H-B2689 - Hz - Plan #3	11,600.0	11,480.0	855.0	696.0	5.378	SF
Regnier 1D-19H-B2688 - Hz - Plan #2	500.0	500.0	29.9	28.2	17.612	CC
Regnier 1D-19H-B2688 - Hz - Plan #2	600.0	599.9	30.3	28.2	14.780	ES
Regnier 1D-19H-B2688 - Hz - Plan #2	11,500.0	11,461.0	575.6	418.2	3.656	SF
Regnier 1E-19H-B2687 - Hz - Plan #2	700.0	700.0	19.9	17.5	8.284	CC, ES
Regnier 1E-19H-B2687 - Hz - Plan #2	11,500.0	11,601.0	374.4	226.1	2.525	SF
Regnier 1F-19H-B2686 - Hz - Plan #2	700.0	700.0	9.8	7.4	4.084	CC, ES
Regnier 1F-19H-B2686 - Hz - Plan #2	11,500.0	11,399.8	157.5	29.9	1.235	Level 2, SF
Regnier 1H-19H-B2684 - Hz - Plan #2	600.0	600.0	10.1	8.0	4.916	CC, ES
Regnier 1H-19H-B2684 - Hz - Plan #2	11,962.7	12,125.7	260.5	113.0	1.766	SF
Regnier 1I-19H-B2683 - Hz - Plan #2	500.0	500.0	20.1	18.4	11.851	CC, ES
Regnier 1I-19H-B2683 - Hz - Plan #2	11,962.7	11,918.2	460.3	291.6	2.729	SF
Regnier 1J-19H-B2682 - Hz - Plan #2	400.0	400.0	30.2	28.9	22.369	CC, ES
Regnier 1J-19H-B2682 - Hz - Plan #2	11,962.7	12,057.8	665.4	491.6	3.828	SF
Regnier 1K-19H-B2681 - Hz - Plan #2	300.0	300.0	40.0	39.0	39.939	CC, ES
Regnier 1K-19H-B2681 - Hz - Plan #2	11,962.7	12,228.3	909.9	736.6	5.251	SF
Regnier 1L-19H-B268 - Hz - Plan #2	200.0	200.0	50.1	49.4	76.728	CC, ES
Regnier 1L-19H-B268 - Hz - Plan #2	700.0	686.7	92.7	90.0	34.747	SF
REGNIER 4-4-19 - ENCANA - SURVEYS						Out of range

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 1G-19H-B2685
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 1G-19H-B2685	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)						
REGNIER FARMS 2 - ENCANA - GYRO	11,390.3	7,449.0	92.6	2.7	1.031	Level 2, CC, ES, SF
REGNIER FARMS 31-19 - ENCANA - GYRO	0.0	0.0	807.3			
REGNIER FARMS 31-19 - ENCANA - GYRO	100.0	89.1	807.6	807.2	2,624.551	ES
REGNIER FARMS 31-19 - ENCANA - GYRO	3,100.0	3,026.2	993.5	982.3	88.371	SF
REGNIER FARMS 32-19 - ENCANA - GYRO	8,967.2	7,425.4	825.8	777.4	17.051	CC, ES
REGNIER FARMS 32-19 - ENCANA - GYRO	9,200.0	7,425.3	858.0	805.7	16.411	SF
REGNIER FARMS 33-19 - ENCANA - GYRO	10,286.9	7,432.9	922.3	851.6	13.043	CC
REGNIER FARMS 33-19 - ENCANA - GYRO	10,300.0	7,432.9	922.4	851.4	13.003	ES
REGNIER FARMS 33-19 - ENCANA - GYRO	10,500.0	7,432.4	946.6	872.2	12.729	SF
REGNIER FARMS 42-19 - ENCANA - GYRO	8,945.8	7,418.2	474.6	426.5	9.874	CC, ES
REGNIER FARMS 42-19 - ENCANA - GYRO	9,000.0	7,418.2	477.7	428.7	9.758	SF
REGNIER FARMS 43-19 - ENCANA - SURVEYS	10,433.6	7,669.6	609.7	535.6	8.231	CC, ES
REGNIER FARMS 43-19 - ENCANA - SURVEYS	10,500.0	7,669.4	613.3	538.1	8.155	SF
REGNIER FARMS B UNIT 1 - ENCANA - GYRO	8,015.1	7,424.1	139.9	106.2	4.152	CC, ES, 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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												S19-T2N-R68W (Rasmussen/Regnier) - KENYON 34-19 - ENCANA - ENCANA		Offset Site Error:		0.0 ft
Survey Program:												92-Geolink MWD		Offset Well Error:		0.0 ft
Reference				Offset		Semi Major Axis			Distance					Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis					
11,200.0	7,435.0	7,611.0	7,474.9	74.0	22.3	90.93	-4,677.6	-214.1	973.3	884.9	88.39	11.011				
11,300.0	7,435.0	7,610.0	7,473.8	75.7	22.3	90.85	-4,677.6	-214.1	910.1	820.0	90.12	10.099				
11,363.7	7,435.0	7,609.3	7,473.2	76.8	22.3	90.80	-4,677.6	-214.1	873.5	782.3	91.22	9.575				
11,400.0	7,435.0	7,609.0	7,472.8	77.4	22.3	90.76	-4,677.6	-214.1	854.4	762.5	91.86	9.301				
11,500.0	7,435.0	7,608.0	7,471.8	79.2	22.3	90.66	-4,677.6	-214.1	811.6	718.1	93.47	8.682				
11,600.0	7,435.0	7,607.0	7,470.8	80.9	22.3	90.58	-4,677.6	-214.1	785.0	690.1	94.89	8.273				
11,695.7	7,435.0	7,606.1	7,469.9	82.6	22.3	90.51	-4,677.6	-214.1	776.4	680.4	96.05	8.084 CC				
11,700.0	7,435.0	7,606.0	7,469.9	82.6	22.3	90.51	-4,677.6	-214.1	776.5	680.4	96.10	8.080 ES, SF				
11,800.0	7,435.0	7,605.1	7,469.0	84.4	22.3	90.44	-4,677.6	-214.1	786.6	689.5	97.12	8.099				
11,900.0	7,435.0	7,604.3	7,468.1	86.1	22.3	90.39	-4,677.6	-214.1	814.6	716.7	97.95	8.317				
11,962.7	7,435.0	7,603.8	7,467.6	87.2	22.3	90.35	-4,677.6	-214.1	840.6	742.2	98.37	8.545				

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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: O-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-92.44	-2.5	-59.8	59.9					
100.0	100.0	100.0	100.0	0.2	0.2	-92.44	-2.5	-59.8	59.9	59.6	0.30	197.216		
200.0	200.0	200.0	200.0	0.3	0.3	-92.44	-2.5	-59.8	59.9	59.2	0.65	91.753	CC, ES	
300.0	300.0	297.9	297.9	0.5	0.5	-92.40	-2.6	-61.5	61.6	60.6	1.00	61.490		
400.0	400.0	395.6	395.4	0.7	0.7	-92.29	-2.7	-66.5	66.7	65.4	1.37	48.821		
500.0	500.0	493.4	492.9	0.8	0.9	-92.14	-2.8	-74.8	75.1	73.4	1.75	42.846		
600.0	600.0	593.0	592.1	1.0	1.1	-92.00	-2.9	-84.1	84.5	82.4	2.15	39.245		
700.0	700.0	692.6	691.2	1.2	1.4	-91.89	-3.1	-93.5	93.9	91.4	2.56	36.711	SF	
800.0	800.0	791.9	790.1	1.4	1.6	-179.39	-3.2	-102.8	105.1	102.3	2.73	38.492		
900.0	899.8	890.9	888.6	1.6	1.8	-179.34	-3.4	-112.1	119.7	116.6	3.07	38.971		
922.5	922.3	913.1	910.7	1.6	1.9	-179.33	-3.4	-114.2	123.4	120.3	3.15	39.223		
1,000.0	999.5	989.4	986.7	1.8	2.1	-179.32	-3.5	-121.4	136.7	133.3	3.41	40.028		
1,100.0	1,099.2	1,087.9	1,084.8	2.0	2.3	-179.30	-3.7	-130.6	153.8	150.0	3.76	40.899		
1,200.0	1,198.9	1,186.5	1,182.9	2.2	2.5	-179.29	-3.8	-139.9	170.9	166.8	4.11	41.623		
1,300.0	1,298.6	1,285.0	1,281.0	2.4	2.8	-179.28	-4.0	-149.2	188.0	183.5	4.45	42.236		
1,400.0	1,398.3	1,383.5	1,379.1	2.6	3.0	-179.27	-4.1	-158.4	205.1	200.3	4.80	42.760		
1,500.0	1,498.0	1,482.0	1,477.2	2.8	3.2	-179.26	-4.3	-167.7	222.2	217.0	5.14	43.214		
1,600.0	1,597.7	1,580.6	1,575.2	3.0	3.5	-179.26	-4.4	-176.9	239.3	233.8	5.49	43.611		
1,700.0	1,697.4	1,679.1	1,673.3	3.2	3.7	-179.25	-4.6	-186.2	256.4	250.5	5.83	43.961		
1,800.0	1,797.1	1,777.6	1,771.4	3.4	3.9	-179.25	-4.7	-195.5	273.4	267.3	6.18	44.272		
1,900.0	1,896.8	1,876.1	1,869.5	3.6	4.2	-179.24	-4.9	-204.7	290.5	284.0	6.52	44.550		
2,000.0	1,996.5	1,974.7	1,967.6	3.9	4.4	-179.24	-5.0	-214.0	307.6	300.8	6.87	44.800		
2,100.0	2,096.2	2,073.2	2,065.7	4.1	4.6	-179.23	-5.2	-223.2	324.7	317.5	7.21	45.027		
2,200.0	2,195.9	2,171.7	2,163.8	4.3	4.9	-179.23	-5.3	-232.5	341.8	334.3	7.56	45.232		
2,300.0	2,295.6	2,270.3	2,261.9	4.5	5.1	-179.23	-5.5	-241.8	358.9	351.0	7.90	45.420		
2,400.0	2,395.3	2,368.8	2,360.0	4.7	5.4	-179.23	-5.6	-251.0	376.0	367.8	8.25	45.592		
2,500.0	2,495.0	2,467.3	2,458.1	4.9	5.6	-179.22	-5.8	-260.3	393.1	384.5	8.59	45.750		
2,600.0	2,594.7	2,565.8	2,556.2	5.2	5.8	-179.22	-5.9	-269.6	410.2	401.3	8.94	45.896		
2,700.0	2,694.4	2,664.4	2,654.2	5.4	6.1	-179.22	-6.1	-278.8	427.3	418.0	9.28	46.031		
2,800.0	2,794.1	2,762.9	2,752.3	5.6	6.3	-179.22	-6.2	-288.1	444.4	434.8	9.63	46.157		
2,900.0	2,893.8	2,861.4	2,850.4	5.8	6.5	-179.22	-6.4	-297.3	461.5	451.5	9.97	46.273		
3,000.0	2,993.5	2,959.9	2,948.5	6.0	6.8	-179.21	-6.5	-306.6	478.6	468.3	10.32	46.382		
3,100.0	3,093.2	3,058.5	3,046.6	6.3	7.0	-179.21	-6.7	-315.9	495.7	485.0	10.66	46.484		
3,200.0	3,192.9	3,157.0	3,144.7	6.5	7.2	-179.21	-6.8	-325.1	512.8	501.8	11.01	46.580		
3,300.0	3,292.6	3,255.5	3,242.8	6.7	7.5	-179.21	-7.0	-334.4	529.9	518.5	11.35	46.670		
3,400.0	3,392.3	3,354.1	3,340.9	6.9	7.7	-179.21	-7.1	-343.6	547.0	535.3	11.70	46.754		
3,500.0	3,492.0	3,452.6	3,439.0	7.1	8.0	-179.21	-7.3	-352.9	564.1	552.0	12.04	46.834		
3,600.0	3,591.7	3,551.1	3,537.1	7.3	8.2	-179.21	-7.4	-362.2	581.2	568.8	12.39	46.909		
3,700.0	3,691.4	3,649.6	3,635.2	7.6	8.4	-179.21	-7.6	-371.4	598.3	585.5	12.73	46.980		
3,800.0	3,791.1	3,748.2	3,733.3	7.8	8.7	-179.20	-7.7	-380.7	615.4	602.3	13.08	47.047		
3,900.0	3,890.8	3,846.7	3,831.3	8.0	8.9	-179.20	-7.9	-390.0	632.5	619.0	13.43	47.111		
4,000.0	3,990.5	3,945.2	3,929.4	8.2	9.1	-179.20	-8.0	-399.2	649.6	635.8	13.77	47.172		
4,100.0	4,090.2	4,043.8	4,027.5	8.4	9.4	-179.20	-8.2	-408.5	666.7	652.6	14.12	47.230		
4,200.0	4,189.9	4,142.3	4,125.6	8.7	9.6	-179.20	-8.3	-417.7	683.8	669.3	14.46	47.285		
4,300.0	4,289.6	4,240.8	4,223.7	8.9	9.8	-179.20	-8.5	-427.0	700.9	686.1	14.81	47.337		
4,400.0	4,389.3	4,339.3	4,321.8	9.1	10.1	-179.20	-8.6	-436.3	718.0	702.8	15.15	47.387		
4,500.0	4,489.0	4,437.9	4,419.9	9.3	10.3	-179.20	-8.8	-445.5	735.1	719.6	15.50	47.435		
4,600.0	4,588.7	4,536.4	4,518.0	9.6	10.6	-179.20	-8.9	-454.8	752.1	736.3	15.84	47.481		
4,700.0	4,688.4	4,634.9	4,616.1	9.8	10.8	-179.20	-9.1	-464.0	769.2	753.1	16.19	47.524		
4,800.0	4,788.1	4,733.4	4,714.2	10.0	11.0	-179.20	-9.2	-473.3	786.3	769.8	16.53	47.566		
4,900.0	4,887.8	4,832.0	4,812.3	10.2	11.3	-179.20	-9.4	-482.6	803.4	786.6	16.88	47.607		
5,000.0	4,987.5	4,930.5	4,910.3	10.4	11.5	-179.20	-9.5	-491.8	820.5	803.3	17.22	47.645		

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1A-19H-B268 - Hz - Plan #2		Offset Site Error:		0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error:		0.0 ft			
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)								
5,100.0	5,087.2	5,029.0	5,008.4	10.7	11.7	-179.20	-9.7	-501.1	837.6	820.1	17.57	47.682						
5,200.0	5,186.9	5,127.6	5,106.5	10.9	12.0	-179.20	-9.8	-510.4	854.7	836.8	17.91	47.718						
5,300.0	5,286.6	5,226.1	5,204.6	11.1	12.2	-179.20	-10.0	-519.6	871.8	853.6	18.26	47.752						
5,400.0	5,386.3	5,324.6	5,302.7	11.3	12.4	-179.19	-10.1	-528.9	888.9	870.3	18.60	47.785						
5,500.0	5,486.0	5,423.1	5,400.8	11.5	12.7	-179.19	-10.3	-538.1	906.0	887.1	18.95	47.817						
5,600.0	5,585.7	5,521.7	5,498.9	11.8	12.9	-179.19	-10.4	-547.4	923.1	903.8	19.29	47.848						
5,700.0	5,685.4	5,620.2	5,597.0	12.0	13.2	-179.19	-10.6	-556.7	940.2	920.6	19.64	47.878						
5,800.0	5,785.1	5,718.7	5,695.1	12.2	13.4	-179.19	-10.7	-565.9	957.3	937.3	19.98	47.906						
5,900.0	5,884.8	5,817.3	5,793.2	12.4	13.6	-179.19	-10.9	-575.2	974.4	954.1	20.33	47.934						
6,000.0	5,984.5	5,915.8	5,891.3	12.6	13.9	-179.19	-11.0	-584.4	991.5	970.8	20.67	47.961						

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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: 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	-92.09	-1.8	-49.8	49.8						
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-1.8	-49.8	49.8	49.5	0.30	164.000			
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-1.8	-49.8	49.8	49.2	0.65	76.299			
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-1.8	-49.8	49.8	48.8	1.00	49.714 CC, ES			
400.0	400.0	398.3	398.2	0.7	0.7	-92.05	-1.8	-51.5	51.5	50.2	1.35	38.147			
500.0	500.0	496.6	496.4	0.8	0.9	-91.94	-1.9	-56.5	56.6	54.9	1.71	33.101			
600.0	600.0	596.4	596.0	1.0	1.1	-91.83	-2.0	-62.8	63.0	60.9	2.08	30.265			
700.0	700.0	696.2	695.6	1.2	1.3	-91.74	-2.1	-69.1	69.3	66.8	2.45	28.245 SF			
800.0	800.0	795.8	795.1	1.4	1.5	-179.26	-2.2	-75.4	77.4	74.6	2.74	28.262			
900.0	899.8	895.2	894.2	1.6	1.7	-179.24	-2.3	-81.7	88.9	85.8	3.08	28.866			
922.5	922.3	917.5	916.5	1.6	1.7	-179.24	-2.3	-83.1	92.0	88.8	3.16	29.141			
1,000.0	999.5	994.2	993.0	1.8	1.9	-179.24	-2.4	-88.0	102.9	99.5	3.43	30.036			
1,100.0	1,099.2	1,093.2	1,091.8	2.0	2.1	-179.25	-2.5	-94.3	117.0	113.2	3.77	31.004			
1,200.0	1,198.9	1,192.2	1,190.6	2.2	2.3	-179.25	-2.6	-100.6	131.0	126.9	4.12	31.809			
1,300.0	1,298.6	1,291.2	1,289.4	2.4	2.5	-179.26	-2.7	-106.8	145.1	140.6	4.47	32.490			
1,400.0	1,398.3	1,390.2	1,388.3	2.6	2.7	-179.26	-2.8	-113.1	159.1	154.3	4.81	33.072			
1,500.0	1,498.0	1,489.2	1,487.1	2.8	2.9	-179.26	-2.9	-119.4	173.2	168.0	5.16	33.576			
1,600.0	1,597.7	1,588.2	1,585.9	3.0	3.1	-179.26	-2.9	-125.6	187.3	181.8	5.50	34.017			
1,700.0	1,697.4	1,687.2	1,684.7	3.2	3.3	-179.27	-3.0	-131.9	201.3	195.5	5.85	34.406			
1,800.0	1,797.1	1,786.2	1,783.5	3.4	3.5	-179.27	-3.1	-138.2	215.4	209.2	6.20	34.751			
1,900.0	1,896.8	1,885.2	1,882.3	3.6	3.7	-179.27	-3.2	-144.5	229.4	222.9	6.54	35.060			
2,000.0	1,996.5	1,984.2	1,981.1	3.9	3.9	-179.27	-3.3	-150.7	243.5	236.6	6.89	35.338			
2,100.0	2,096.2	2,083.2	2,079.9	4.1	4.1	-179.27	-3.4	-157.0	257.6	250.3	7.24	35.589			
2,200.0	2,195.9	2,182.3	2,178.7	4.3	4.3	-179.27	-3.5	-163.3	271.6	264.0	7.58	35.817			
2,300.0	2,295.6	2,281.3	2,277.5	4.5	4.5	-179.27	-3.6	-169.6	285.7	277.8	7.93	36.025			
2,400.0	2,395.3	2,380.3	2,376.3	4.7	4.7	-179.27	-3.7	-175.8	299.7	291.5	8.28	36.216			
2,500.0	2,495.0	2,479.3	2,475.1	4.9	4.9	-179.27	-3.8	-182.1	313.8	305.2	8.62	36.392			
2,600.0	2,594.7	2,578.3	2,573.9	5.2	5.1	-179.27	-3.9	-188.4	327.9	318.9	8.97	36.554			
2,700.0	2,694.4	2,677.3	2,672.8	5.4	5.3	-179.28	-4.0	-194.7	341.9	332.6	9.32	36.704			
2,800.0	2,794.1	2,776.3	2,771.6	5.6	5.5	-179.28	-4.1	-200.9	356.0	346.3	9.66	36.843			
2,900.0	2,893.8	2,875.3	2,870.4	5.8	5.7	-179.28	-4.2	-207.2	370.0	360.0	10.01	36.973			
3,000.0	2,993.5	2,974.3	2,969.2	6.0	5.9	-179.28	-4.2	-213.5	384.1	373.8	10.36	37.094			
3,100.0	3,093.2	3,073.3	3,068.0	6.3	6.1	-179.28	-4.3	-219.8	398.2	387.5	10.70	37.207			
3,200.0	3,192.9	3,172.3	3,166.8	6.5	6.3	-179.28	-4.4	-226.0	412.2	401.2	11.05	37.313			
3,300.0	3,292.6	3,271.3	3,265.6	6.7	6.5	-179.28	-4.5	-232.3	426.3	414.9	11.39	37.412			
3,400.0	3,392.3	3,370.3	3,364.4	6.9	6.8	-179.28	-4.6	-238.6	440.4	428.6	11.74	37.506			
3,500.0	3,492.0	3,469.3	3,463.2	7.1	7.0	-179.28	-4.7	-244.8	454.4	442.3	12.09	37.594			
3,600.0	3,591.7	3,568.3	3,562.0	7.3	7.2	-179.28	-4.8	-251.1	468.5	456.0	12.43	37.678			
3,700.0	3,691.4	3,667.4	3,660.8	7.6	7.4	-179.28	-4.9	-257.4	482.5	469.8	12.78	37.757			
3,800.0	3,791.1	3,766.4	3,759.6	7.8	7.6	-179.28	-5.0	-263.7	496.6	483.5	13.13	37.831			
3,900.0	3,890.8	3,865.4	3,858.4	8.0	7.8	-179.28	-5.1	-269.9	510.7	497.2	13.47	37.902			
4,000.0	3,990.5	3,964.4	3,957.2	8.2	8.0	-179.28	-5.2	-276.2	524.7	510.9	13.82	37.970			
4,100.0	4,090.2	4,063.4	4,056.1	8.4	8.2	-179.28	-5.3	-282.5	538.8	524.6	14.17	38.034			
4,200.0	4,189.9	4,162.4	4,154.9	8.7	8.4	-179.28	-5.4	-288.8	552.8	538.3	14.51	38.095			
4,300.0	4,289.6	4,261.4	4,253.7	8.9	8.6	-179.28	-5.5	-295.0	566.9	552.0	14.86	38.153			
4,400.0	4,389.3	4,360.4	4,352.5	9.1	8.8	-179.28	-5.6	-301.3	581.0	565.8	15.21	38.208			
4,500.0	4,489.0	4,459.4	4,451.3	9.3	9.0	-179.28	-5.6	-307.6	595.0	579.5	15.55	38.261			
4,600.0	4,588.7	4,558.4	4,550.1	9.6	9.2	-179.28	-5.7	-313.9	609.1	593.2	15.90	38.312			
4,700.0	4,688.4	4,657.4	4,648.9	9.8	9.4	-179.28	-5.8	-320.1	623.1	606.9	16.24	38.360			
4,800.0	4,788.1	4,756.4	4,747.7	10.0	9.6	-179.28	-5.9	-326.4	637.2	620.6	16.59	38.407			
4,900.0	4,887.8	4,855.4	4,846.5	10.2	9.8	-179.28	-6.0	-332.7	651.3	634.3	16.94	38.452			
5,000.0	4,987.5	4,954.4	4,945.3	10.4	10.0	-179.28	-6.1	-339.0	665.3	648.0	17.28	38.494			

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 1G-19H-B2685
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 1G-19H-B2685	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				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,100.0	5,087.2	5,053.4	5,044.1	10.7	10.2	-179.28	-6.2	-345.2	679.4	661.8	17.63	38.536		
5,200.0	5,186.9	5,152.4	5,142.9	10.9	10.4	-179.28	-6.3	-351.5	693.4	675.5	17.98	38.575		
5,300.0	5,286.6	5,251.5	5,241.7	11.1	10.6	-179.28	-6.4	-357.8	707.5	689.2	18.32	38.613		
5,400.0	5,386.3	5,350.5	5,340.6	11.3	10.8	-179.28	-6.5	-364.0	721.6	702.9	18.67	38.650		
5,500.0	5,486.0	5,449.5	5,439.4	11.5	11.0	-179.28	-6.6	-370.3	735.6	716.6	19.02	38.685		
5,600.0	5,585.7	5,548.5	5,538.2	11.8	11.3	-179.28	-6.7	-376.6	749.7	730.3	19.36	38.719		
5,700.0	5,685.4	5,647.5	5,637.0	12.0	11.5	-179.28	-6.8	-382.9	763.7	744.0	19.71	38.752		
5,800.0	5,785.1	5,746.5	5,735.8	12.2	11.7	-179.28	-6.9	-389.1	777.8	757.8	20.05	38.784		
5,900.0	5,884.8	5,845.5	5,834.6	12.4	11.9	-179.28	-6.9	-395.4	791.9	771.5	20.40	38.815		
6,000.0	5,984.5	5,944.5	5,933.4	12.6	12.1	-179.28	-7.0	-401.7	805.9	785.2	20.75	38.844		
6,100.0	6,084.2	6,043.5	6,032.2	12.9	12.3	-179.28	-7.1	-408.0	820.0	798.9	21.09	38.873		
6,200.0	6,183.9	6,142.5	6,131.0	13.1	12.5	-179.28	-7.2	-414.2	834.1	812.6	21.44	38.901		
6,300.0	6,283.6	6,241.5	6,229.8	13.3	12.7	-179.28	-7.3	-420.5	848.1	826.3	21.79	38.927		
6,400.0	6,383.3	6,340.5	6,328.6	13.5	12.9	-179.28	-7.4	-426.8	862.2	840.0	22.13	38.953		
6,500.0	6,483.0	6,439.5	6,427.4	13.7	13.1	-179.28	-7.5	-433.1	876.2	853.8	22.48	38.979		
6,600.0	6,582.7	6,538.5	6,526.2	14.0	13.3	-179.28	-7.6	-439.3	890.3	867.5	22.83	39.003		
6,700.0	6,682.4	6,637.5	6,625.1	14.2	13.5	-179.28	-7.7	-445.6	904.4	881.2	23.17	39.027		
6,736.4	6,718.6	6,673.5	6,661.0	14.3	13.6	-179.28	-7.7	-447.9	909.5	886.2	23.30	39.035		
6,750.0	6,732.2	6,687.1	6,674.5	14.3	13.6	166.70	-7.7	-448.7	911.4	888.0	23.35	39.037		
6,800.0	6,782.0	6,736.5	6,723.8	14.4	13.7	130.06	-7.8	-451.9	918.3	894.8	23.52	39.039		
6,850.0	6,831.5	6,785.6	6,772.8	14.5	13.8	114.27	-7.8	-455.0	925.2	901.5	23.70	39.034		
6,900.0	6,880.4	6,834.2	6,821.3	14.6	13.9	106.82	-7.9	-458.1	931.9	908.0	23.88	39.024		
6,950.0	6,928.6	6,882.2	6,869.2	14.7	14.0	102.81	-8.1	-461.1	938.7	914.6	24.06	39.011		
7,000.0	6,975.7	6,930.5	6,917.4	14.9	14.1	100.38	-11.0	-464.2	945.5	921.2	24.25	38.988		
7,050.0	7,021.6	6,979.9	6,966.2	15.0	14.2	98.81	-17.2	-467.3	952.3	927.8	24.45	38.944		
7,100.0	7,066.1	7,030.2	7,015.4	15.1	14.3	97.76	-27.1	-470.4	959.0	934.4	24.67	38.868		
7,150.0	7,108.8	7,081.6	7,064.9	15.3	14.4	97.04	-40.6	-473.5	965.8	940.9	24.92	38.748		
7,200.0	7,149.7	7,134.1	7,114.3	15.4	14.6	96.56	-58.2	-476.7	972.4	947.2	25.21	38.569		
7,250.0	7,188.5	7,187.8	7,163.3	15.6	14.7	96.25	-79.8	-479.8	978.9	953.4	25.55	38.318		
7,300.0	7,225.0	7,242.8	7,211.7	15.9	14.9	96.07	-105.7	-482.9	985.2	959.3	25.94	37.981		
7,350.0	7,259.1	7,299.0	7,259.0	16.1	15.1	95.98	-135.9	-485.9	991.3	964.9	26.40	37.548		
7,400.0	7,290.5	7,356.6	7,304.9	16.4	15.3	95.96	-170.6	-488.8	997.1	970.2	26.95	37.002		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-92.08	-1.5	-40.0	40.0					
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-1.5	-40.0	40.0	39.7	0.30	131.752		
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-1.5	-40.0	40.0	39.4	0.65	61.296		
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-1.5	-40.0	40.0	39.0	1.00	39.939		
400.0	400.0	400.0	400.0	0.7	0.7	-92.08	-1.5	-40.0	40.0	38.7	1.35	29.619 CC, ES		
500.0	500.0	498.6	498.6	0.8	0.8	-92.00	-1.5	-41.7	41.7	40.0	1.70	24.553		
600.0	600.0	597.6	597.5	1.0	1.0	-91.80	-1.5	-46.5	46.6	44.5	2.06	22.648		
700.0	700.0	697.5	697.2	1.2	1.2	-91.63	-1.5	-51.9	52.0	49.6	2.42	21.484		
800.0	800.0	797.2	796.8	1.4	1.4	-179.08	-1.5	-57.3	59.1	56.4	2.74	21.571		
900.0	899.8	896.6	896.1	1.6	1.6	-179.04	-1.5	-62.6	69.7	66.6	3.08	22.612		
922.5	922.3	919.0	918.4	1.6	1.6	-179.03	-1.5	-63.8	72.6	69.4	3.16	22.971		
1,000.0	999.5	995.8	995.1	1.8	1.8	-179.04	-1.5	-68.0	82.8	79.3	3.43	24.137		
1,100.0	1,099.2	1,094.9	1,094.1	2.0	2.0	-179.04	-1.5	-73.3	95.9	92.1	3.78	25.397		
1,200.0	1,198.9	1,194.1	1,193.0	2.2	2.2	-179.04	-1.5	-78.7	109.0	104.9	4.12	26.445		
1,300.0	1,298.6	1,293.2	1,292.0	2.4	2.4	-179.04	-1.5	-84.1	122.2	117.7	4.47	27.330		
1,400.0	1,398.3	1,392.3	1,391.0	2.6	2.6	-179.04	-1.5	-89.4	135.3	130.5	4.82	28.089		
1,500.0	1,498.0	1,491.5	1,490.0	2.8	2.8	-179.04	-1.5	-94.8	148.4	143.3	5.16	28.745		
1,600.0	1,597.7	1,590.6	1,589.0	3.0	3.0	-179.04	-1.6	-100.1	161.6	156.1	5.51	29.319		
1,700.0	1,697.4	1,689.7	1,688.0	3.2	3.2	-179.04	-1.6	-105.5	174.7	168.8	5.86	29.825		
1,800.0	1,797.1	1,788.9	1,787.0	3.4	3.4	-179.04	-1.6	-110.8	187.8	181.6	6.20	30.274		
1,900.0	1,896.8	1,888.0	1,886.0	3.6	3.5	-179.04	-1.6	-116.2	201.0	194.4	6.55	30.676		
2,000.0	1,996.5	1,987.1	1,985.0	3.9	3.7	-179.04	-1.6	-121.6	214.1	207.2	6.90	31.037		
2,100.0	2,096.2	2,086.3	2,084.0	4.1	3.9	-179.04	-1.6	-126.9	227.2	220.0	7.24	31.364		
2,200.0	2,195.9	2,185.4	2,182.9	4.3	4.1	-179.04	-1.6	-132.3	240.4	232.8	7.59	31.661		
2,300.0	2,295.6	2,284.5	2,281.9	4.5	4.3	-179.04	-1.6	-137.6	253.5	245.6	7.94	31.932		
2,400.0	2,395.3	2,383.7	2,380.9	4.7	4.5	-179.04	-1.6	-143.0	266.6	258.3	8.29	32.180		
2,500.0	2,495.0	2,482.8	2,479.9	4.9	4.7	-179.04	-1.6	-148.3	279.8	271.1	8.63	32.409		
2,600.0	2,594.7	2,581.9	2,578.9	5.2	4.9	-179.04	-1.6	-153.7	292.9	283.9	8.98	32.620		
2,700.0	2,694.4	2,681.1	2,677.9	5.4	5.1	-179.04	-1.7	-159.0	306.0	296.7	9.33	32.815		
2,800.0	2,794.1	2,780.2	2,776.9	5.6	5.3	-179.04	-1.7	-164.4	319.2	309.5	9.67	32.996		
2,900.0	2,893.8	2,879.3	2,875.9	5.8	5.5	-179.04	-1.7	-169.8	332.3	322.3	10.02	33.165		
3,000.0	2,993.5	2,978.5	2,974.9	6.0	5.7	-179.04	-1.7	-175.1	345.4	335.1	10.37	33.322		
3,100.0	3,093.2	3,077.6	3,073.8	6.3	5.9	-179.04	-1.7	-180.5	358.6	347.8	10.71	33.469		
3,200.0	3,192.9	3,176.7	3,172.8	6.5	6.1	-179.04	-1.7	-185.8	371.7	360.6	11.06	33.607		
3,300.0	3,292.6	3,275.9	3,271.8	6.7	6.3	-179.04	-1.7	-191.2	384.8	373.4	11.41	33.737		
3,400.0	3,392.3	3,375.0	3,370.8	6.9	6.5	-179.04	-1.7	-196.5	398.0	386.2	11.75	33.858		
3,500.0	3,492.0	3,474.1	3,469.8	7.1	6.7	-179.04	-1.7	-201.9	411.1	399.0	12.10	33.973		
3,600.0	3,591.7	3,573.3	3,568.8	7.3	6.9	-179.04	-1.7	-207.3	424.2	411.8	12.45	34.082		
3,700.0	3,691.4	3,672.4	3,667.8	7.6	7.1	-179.04	-1.7	-212.6	437.3	424.6	12.79	34.185		
3,800.0	3,791.1	3,771.5	3,766.8	7.8	7.3	-179.04	-1.8	-218.0	450.5	437.3	13.14	34.282		
3,900.0	3,890.8	3,870.7	3,865.8	8.0	7.5	-179.04	-1.8	-223.3	463.6	450.1	13.49	34.374		
4,000.0	3,990.5	3,969.8	3,964.7	8.2	7.7	-179.04	-1.8	-228.7	476.7	462.9	13.83	34.462		
4,100.0	4,090.2	4,068.9	4,063.7	8.4	7.9	-179.04	-1.8	-234.0	489.9	475.7	14.18	34.545		
4,200.0	4,189.9	4,168.1	4,162.7	8.7	8.1	-179.04	-1.8	-239.4	503.0	488.5	14.53	34.624		
4,300.0	4,289.6	4,267.2	4,261.7	8.9	8.3	-179.04	-1.8	-244.7	516.1	501.3	14.87	34.700		
4,400.0	4,389.3	4,366.3	4,360.7	9.1	8.5	-179.04	-1.8	-250.1	529.3	514.1	15.22	34.772		
4,500.0	4,489.0	4,465.5	4,459.7	9.3	8.7	-179.04	-1.8	-255.5	542.4	526.8	15.57	34.841		
4,600.0	4,588.7	4,564.6	4,558.7	9.6	8.8	-179.04	-1.8	-260.8	555.5	539.6	15.91	34.907		
4,700.0	4,688.4	4,663.7	4,657.7	9.8	9.0	-179.04	-1.8	-266.2	568.7	552.4	16.26	34.970		
4,800.0	4,788.1	4,762.9	4,756.7	10.0	9.2	-179.04	-1.8	-271.5	581.8	565.2	16.61	35.031		
4,900.0	4,887.8	4,862.0	4,855.6	10.2	9.4	-179.04	-1.9	-276.9	594.9	578.0	16.96	35.089		
5,000.0	4,987.5	4,961.2	4,954.6	10.4	9.6	-179.04	-1.9	-282.2	608.1	590.8	17.30	35.144		

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 1G-19H-B2685
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 1G-19H-B2685	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						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,087.2	5,060.3	5,053.6	10.7	9.8	-179.04	-1.9	-287.6	621.2	603.5	17.65	35.198		
5,200.0	5,186.9	5,159.4	5,152.6	10.9	10.0	-179.04	-1.9	-293.0	634.3	616.3	18.00	35.249		
5,300.0	5,286.6	5,258.6	5,251.6	11.1	10.2	-179.04	-1.9	-298.3	647.5	629.1	18.34	35.299		
5,400.0	5,386.3	5,357.7	5,350.6	11.3	10.4	-179.04	-1.9	-303.7	660.6	641.9	18.69	35.347		
5,500.0	5,486.0	5,456.8	5,449.6	11.5	10.6	-179.04	-1.9	-309.0	673.7	654.7	19.04	35.393		
5,600.0	5,585.7	5,556.0	5,548.6	11.8	10.8	-179.04	-1.9	-314.4	686.9	667.5	19.38	35.437		
5,700.0	5,685.4	5,655.1	5,647.6	12.0	11.0	-179.04	-1.9	-319.7	700.0	680.3	19.73	35.480		
5,800.0	5,785.1	5,754.2	5,746.6	12.2	11.2	-179.04	-1.9	-325.1	713.1	693.0	20.08	35.521		
5,900.0	5,884.8	5,853.4	5,845.5	12.4	11.4	-179.04	-1.9	-330.4	726.3	705.8	20.42	35.561		
6,000.0	5,984.5	5,952.5	5,944.5	12.6	11.6	-179.04	-2.0	-335.8	739.4	718.6	20.77	35.599		
6,100.0	6,084.2	6,051.6	6,043.5	12.9	11.8	-179.04	-2.0	-341.2	752.5	731.4	21.12	35.637		
6,200.0	6,183.9	6,150.8	6,142.5	13.1	12.0	-179.04	-2.0	-346.5	765.7	744.2	21.46	35.673		
6,300.0	6,283.6	6,249.9	6,241.5	13.3	12.2	-179.04	-2.0	-351.9	778.8	757.0	21.81	35.708		
6,400.0	6,383.3	6,349.0	6,340.5	13.5	12.4	-179.04	-2.0	-357.2	791.9	769.8	22.16	35.742		
6,500.0	6,483.0	6,448.2	6,439.5	13.7	12.6	-179.04	-2.0	-362.6	805.0	782.5	22.50	35.774		
6,600.0	6,582.7	6,547.3	6,538.5	14.0	12.8	-179.04	-2.0	-367.9	818.2	795.3	22.85	35.806		
6,700.0	6,682.4	6,646.4	6,637.5	14.2	13.0	-179.05	-2.2	-373.3	831.3	808.1	23.20	35.837		
6,736.4	6,718.6	6,682.4	6,673.4	14.3	13.0	-179.16	-3.7	-375.2	836.1	812.8	23.32	35.849		
6,750.0	6,732.2	6,695.9	6,686.8	14.3	13.1	166.76	-4.8	-375.9	837.9	814.5	23.37	35.853		
6,800.0	6,782.0	6,745.1	6,735.5	14.4	13.2	129.76	-10.8	-378.4	844.4	820.8	23.55	35.861		
6,850.0	6,831.5	6,794.0	6,783.5	14.5	13.3	113.41	-20.1	-380.7	850.8	827.0	23.73	35.855		
6,900.0	6,880.4	6,842.8	6,830.6	14.6	13.4	105.22	-32.6	-383.0	857.0	833.1	23.92	35.827		
6,950.0	6,928.6	6,891.5	6,876.6	14.7	13.5	100.31	-48.2	-385.0	863.0	838.9	24.13	35.769		
7,000.0	6,975.7	6,939.9	6,921.3	14.9	13.6	96.98	-66.8	-387.0	868.9	844.5	24.36	35.670		
7,050.0	7,021.6	6,988.2	6,964.5	15.0	13.7	94.53	-88.4	-388.7	874.5	849.9	24.62	35.522		
7,100.0	7,066.1	7,036.4	7,006.0	15.1	13.9	92.62	-112.7	-390.3	879.8	854.9	24.91	35.314		
7,150.0	7,108.8	7,084.4	7,045.7	15.3	14.1	91.07	-139.7	-391.8	884.8	859.6	25.25	35.039		
7,200.0	7,149.7	7,132.3	7,083.4	15.4	14.2	89.78	-169.2	-393.0	889.5	863.9	25.64	34.689		
7,250.0	7,188.5	7,180.0	7,118.9	15.6	14.5	88.70	-201.1	-394.1	893.9	867.8	26.09	34.261		
7,300.0	7,225.0	7,227.7	7,152.2	15.9	14.7	87.77	-235.1	-395.0	897.9	871.3	26.60	33.753		
7,350.0	7,259.1	7,275.3	7,183.1	16.1	15.0	86.98	-271.3	-395.8	901.5	874.3	27.18	33.165		
7,400.0	7,290.5	7,322.8	7,211.5	16.4	15.3	86.30	-309.4	-396.3	904.7	876.9	27.83	32.504		
7,450.0	7,319.1	7,370.2	7,237.3	16.7	15.7	85.73	-349.1	-396.7	907.5	878.9	28.56	31.775		
7,500.0	7,344.9	7,417.5	7,260.3	17.1	16.0	85.24	-390.5	-396.8	909.8	880.4	29.36	30.987		
7,550.0	7,367.6	7,464.8	7,280.6	17.5	16.5	84.84	-433.2	-396.8	911.7	881.4	30.23	30.153		
7,600.0	7,387.1	7,512.0	7,298.0	17.9	16.9	84.52	-477.0	-396.6	913.1	881.9	31.18	29.283		
7,650.0	7,403.4	7,559.1	7,312.4	18.4	17.4	84.27	-521.9	-396.2	914.1	881.9	32.20	28.391		
7,700.0	7,416.4	7,606.2	7,323.8	18.9	17.9	84.10	-567.6	-395.6	914.5	881.3	33.27	27.486		
7,750.0	7,426.0	7,653.3	7,332.3	19.4	18.4	84.00	-613.9	-394.9	914.6	880.1	34.41	26.580		
7,800.0	7,432.2	7,700.0	7,337.6	20.0	19.0	83.97	-660.3	-393.9	914.1	878.5	35.59	25.686		
7,850.0	7,434.9	7,747.3	7,339.9	20.5	19.6	84.00	-707.5	-392.8	913.2	876.3	36.82	24.802		
7,863.7	7,435.0	7,760.3	7,340.0	20.7	19.7	84.02	-720.5	-392.5	912.8	875.7	37.16	24.563		
7,900.0	7,435.0	7,796.6	7,340.0	21.1	20.2	84.02	-756.7	-391.6	911.9	873.8	38.13	23.918		
8,000.0	7,435.0	7,896.5	7,340.0	22.4	21.5	84.00	-856.7	-388.9	909.3	868.4	40.86	22.251		
8,100.0	7,435.0	7,996.5	7,340.0	23.7	22.9	83.98	-956.6	-386.3	906.7	863.0	43.71	20.743		
8,200.0	7,435.0	8,096.5	7,340.0	25.0	24.3	83.97	-1,056.5	-383.7	904.1	857.4	46.64	19.383		
8,300.0	7,435.0	8,196.4	7,340.0	26.4	25.8	83.95	-1,156.5	-381.1	901.5	851.8	49.65	18.157		
8,400.0	7,435.0	8,296.4	7,340.0	27.9	27.3	83.93	-1,256.4	-378.5	898.9	846.1	52.71	17.053		
8,500.0	7,435.0	8,396.4	7,340.0	29.4	28.8	83.91	-1,356.3	-375.9	896.3	840.4	55.82	16.055		
8,600.0	7,435.0	8,496.3	7,340.0	30.9	30.3	83.90	-1,456.3	-373.2	893.7	834.7	58.98	15.152		
8,700.0	7,435.0	8,596.3	7,340.0	32.4	31.9	83.88	-1,556.2	-370.6	891.1	828.9	62.17	14.333		
8,800.0	7,435.0	8,696.3	7,340.0	34.0	33.5	83.86	-1,656.1	-368.0	888.4	823.1	65.39	13.587		

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Cathedral Energy Services

Anticollision Report

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Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1G-19H-B2685	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		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
8,900.0	7,435.0	8,796.2	7,340.0	35.5	35.1	83.84	-1,756.1	-365.4	885.8	817.2	68.63	12.907		
9,000.0	7,435.0	8,896.2	7,340.0	37.1	36.7	83.82	-1,856.0	-362.8	883.2	811.3	71.90	12.284		
9,100.0	7,435.0	8,996.2	7,340.0	38.7	38.3	83.81	-1,955.9	-360.2	880.6	805.5	75.19	11.712		
9,200.0	7,435.0	9,096.1	7,340.0	40.4	40.0	83.79	-2,055.8	-357.5	878.0	799.5	78.49	11.186		
9,300.0	7,435.0	9,196.1	7,340.0	42.0	41.6	83.77	-2,155.8	-354.9	875.4	793.6	81.81	10.701		
9,400.0	7,435.0	9,296.1	7,340.0	43.6	43.3	83.75	-2,255.7	-352.3	872.8	787.7	85.14	10.251		
9,500.0	7,435.0	9,396.0	7,340.0	45.3	45.0	83.73	-2,355.6	-349.7	870.2	781.7	88.49	9.835		
9,600.0	7,435.0	9,496.0	7,340.0	46.9	46.6	83.71	-2,455.6	-347.1	867.6	775.8	91.84	9.447		
9,700.0	7,435.0	9,595.9	7,340.0	48.6	48.3	83.69	-2,555.5	-344.5	865.0	769.8	95.20	9.086		
9,800.0	7,435.0	9,695.9	7,340.0	50.2	50.0	83.67	-2,655.4	-341.8	862.4	763.9	98.57	8.749		
9,900.0	7,435.0	9,795.9	7,340.0	51.9	51.7	83.65	-2,755.4	-339.2	859.8	757.9	101.95	8.434		
10,000.0	7,435.0	9,895.8	7,340.0	53.6	53.4	83.64	-2,855.3	-336.6	857.2	751.9	105.34	8.138		
10,100.0	7,435.0	9,995.8	7,340.0	55.3	55.1	83.62	-2,955.2	-334.0	854.6	745.9	108.73	7.860		
10,200.0	7,435.0	10,095.8	7,340.0	57.0	56.8	83.60	-3,055.2	-331.4	852.0	739.9	112.12	7.599		
10,300.0	7,435.0	10,188.4	7,340.0	58.7	58.4	83.58	-3,147.8	-329.2	849.7	734.3	115.40	7.363		
10,400.0	7,435.0	10,280.7	7,340.0	60.4	59.9	83.57	-3,240.0	-328.1	848.6	729.9	118.67	7.150		
10,500.0	7,435.0	10,380.6	7,340.0	62.1	61.6	83.57	-3,340.0	-327.3	847.7	725.7	122.09	6.944		
10,600.0	7,435.0	10,480.6	7,340.0	63.8	63.4	83.56	-3,440.0	-326.5	846.9	721.4	125.50	6.748		
10,700.0	7,435.0	10,580.6	7,340.0	65.5	65.1	83.55	-3,540.0	-325.7	846.1	717.2	128.92	6.563		
10,800.0	7,435.0	10,680.6	7,340.0	67.2	66.8	83.55	-3,640.0	-324.8	845.3	712.9	132.35	6.387		
10,900.0	7,435.0	10,780.6	7,340.0	68.9	68.5	83.54	-3,740.0	-324.0	844.4	708.7	135.77	6.220		
11,000.0	7,435.0	10,880.6	7,340.0	70.6	70.2	83.53	-3,840.0	-323.2	843.6	704.4	139.20	6.060		
11,100.0	7,435.0	10,980.6	7,340.0	72.3	71.9	83.53	-3,940.0	-322.3	842.8	700.2	142.63	5.909		
11,200.0	7,435.0	11,080.6	7,340.0	74.0	73.7	83.52	-4,039.9	-321.5	842.0	695.9	146.07	5.764		
11,300.0	7,435.0	11,180.6	7,340.0	75.7	75.4	83.51	-4,139.9	-320.7	841.1	691.6	149.50	5.626		
11,363.7	7,435.0	11,244.3	7,340.0	76.8	76.5	83.51	-4,203.7	-320.1	840.6	688.9	151.69	5.542		
11,377.8	7,435.0	11,258.4	7,340.0	77.1	76.7	83.51	-4,217.7	-320.0	840.6	688.3	152.21	5.522		
11,400.0	7,435.0	11,280.6	7,340.0	77.4	77.1	83.51	-4,239.9	-319.8	840.7	687.7	153.00	5.495		
11,500.0	7,435.0	11,380.5	7,340.0	79.2	78.9	83.53	-4,339.8	-319.0	844.9	688.7	156.25	5.407		
11,600.0	7,435.0	11,480.0	7,340.0	80.9	80.6	83.57	-4,439.3	-318.2	855.0	696.0	158.99	5.378 SF		
11,700.0	7,435.0	11,578.7	7,340.0	82.6	82.3	83.62	-4,538.0	-317.4	870.9	709.7	161.18	5.403		
11,800.0	7,435.0	11,676.3	7,340.0	84.4	84.0	83.70	-4,635.6	-316.6	892.5	729.7	162.80	5.482		
11,900.0	7,435.0	11,772.4	7,340.0	86.1	85.6	83.78	-4,731.7	-315.8	919.9	756.0	163.82	5.615		
11,962.7	7,435.0	11,831.8	7,340.0	87.2	86.7	83.84	-4,791.1	-315.3	939.9	775.7	164.15	5.726		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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	-1.1	-29.9	29.9					
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-1.1	-29.9	29.9	29.6	0.30	98.584		
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-1.1	-29.9	29.9	29.3	0.65	45.865		
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-1.1	-29.9	29.9	28.9	1.00	29.884		
400.0	400.0	400.0	400.0	0.7	0.7	-92.09	-1.1	-29.9	29.9	28.6	1.35	22.162		
500.0	500.0	500.0	500.0	0.8	0.8	-92.09	-1.1	-29.9	29.9	28.2	1.70	17.612 CC		
600.0	600.0	599.9	599.9	1.0	1.0	-92.02	-1.1	-30.3	30.3	28.2	2.05	14.780 ES		
700.0	700.0	699.9	699.9	1.2	1.2	-91.95	-1.0	-30.6	30.6	28.2	2.40	12.779		
800.0	800.0	799.9	799.9	1.4	1.4	-179.48	-1.0	-31.0	32.8	30.0	2.75	11.928		
900.0	899.8	899.7	899.7	1.6	1.5	-179.50	-1.0	-31.4	38.3	35.3	3.09	12.406		
922.5	922.3	922.1	922.1	1.6	1.6	-179.51	-1.0	-31.4	40.1	36.9	3.17	12.652		
1,000.0	999.5	999.4	999.4	1.8	1.7	-179.53	-1.0	-31.7	46.4	42.9	3.44	13.489		
1,100.0	1,099.2	1,099.0	1,099.0	2.0	1.9	-179.56	-0.9	-32.1	54.5	50.7	3.79	14.392		
1,200.0	1,198.9	1,198.7	1,198.7	2.2	2.1	-179.58	-0.9	-32.4	62.6	58.5	4.13	15.144		
1,300.0	1,298.6	1,298.4	1,298.4	2.4	2.2	-179.60	-0.9	-32.8	70.7	66.3	4.48	15.778		
1,400.0	1,398.3	1,398.1	1,398.1	2.6	2.4	-179.61	-0.9	-33.2	78.9	74.0	4.83	16.321		
1,500.0	1,498.0	1,497.7	1,497.7	2.8	2.6	-179.62	-0.8	-33.5	87.0	81.8	5.18	16.791		
1,600.0	1,597.7	1,597.4	1,597.4	3.0	2.8	-179.63	-0.8	-33.9	95.1	89.6	5.53	17.202		
1,700.0	1,697.4	1,697.1	1,697.1	3.2	2.9	-179.63	-0.8	-34.2	103.2	97.3	5.88	17.565		
1,800.0	1,797.1	1,796.7	1,796.7	3.4	3.1	-179.64	-0.8	-34.6	111.3	105.1	6.22	17.886		
1,900.0	1,896.8	1,896.4	1,896.4	3.6	3.3	-179.65	-0.7	-35.0	119.5	112.9	6.57	18.174		
2,000.0	1,996.5	1,996.1	1,996.1	3.9	3.5	-179.65	-0.7	-35.3	127.6	120.7	6.92	18.433		
2,100.0	2,096.2	2,095.7	2,095.7	4.1	3.6	-179.65	-0.7	-35.7	135.7	128.4	7.27	18.666		
2,200.0	2,195.9	2,195.4	2,195.4	4.3	3.8	-179.66	-0.7	-36.1	143.8	136.2	7.62	18.879		
2,300.0	2,295.6	2,295.1	2,295.1	4.5	4.0	-179.66	-0.6	-36.4	151.9	144.0	7.97	19.073		
2,400.0	2,395.3	2,394.8	2,394.7	4.7	4.2	-179.66	-0.6	-36.8	160.1	151.7	8.31	19.251		
2,500.0	2,495.0	2,494.4	2,494.4	4.9	4.3	-179.67	-0.6	-37.1	168.2	159.5	8.66	19.414		
2,600.0	2,594.7	2,594.1	2,594.1	5.2	4.5	-179.67	-0.6	-37.5	176.3	167.3	9.01	19.565		
2,700.0	2,694.4	2,693.8	2,693.7	5.4	4.7	-179.67	-0.5	-37.9	184.4	175.1	9.36	19.705		
2,800.0	2,794.1	2,793.4	2,793.4	5.6	4.9	-179.67	-0.5	-38.2	192.5	182.8	9.71	19.834		
2,900.0	2,893.8	2,893.1	2,893.1	5.8	5.0	-179.67	-0.5	-38.6	200.7	190.6	10.06	19.955		
3,000.0	2,993.5	2,992.8	2,992.8	6.0	5.2	-179.68	-0.5	-39.0	208.8	198.4	10.40	20.067		
3,100.0	3,093.2	3,092.4	3,092.4	6.3	5.4	-179.68	-0.4	-39.3	216.9	206.1	10.75	20.173		
3,200.0	3,192.9	3,192.1	3,192.1	6.5	5.6	-179.68	-0.4	-39.7	225.0	213.9	11.10	20.271		
3,300.0	3,292.6	3,291.8	3,291.8	6.7	5.7	-179.68	-0.4	-40.0	233.1	221.7	11.45	20.364		
3,400.0	3,392.3	3,391.5	3,391.4	6.9	5.9	-179.68	-0.4	-40.4	241.3	229.5	11.80	20.451		
3,500.0	3,492.0	3,491.1	3,491.1	7.1	6.1	-179.68	-0.3	-40.8	249.4	237.2	12.15	20.533		
3,600.0	3,591.7	3,590.8	3,590.8	7.3	6.2	-179.68	-0.3	-41.1	257.5	245.0	12.49	20.611		
3,700.0	3,691.4	3,690.5	3,690.4	7.6	6.4	-179.68	-0.3	-41.5	265.6	252.8	12.84	20.684		
3,800.0	3,791.1	3,790.1	3,790.1	7.8	6.6	-179.68	-0.3	-41.9	273.7	260.6	13.19	20.754		
3,900.0	3,890.8	3,889.8	3,889.8	8.0	6.8	-179.69	-0.2	-42.2	281.9	268.3	13.54	20.820		
4,000.0	3,990.5	3,989.5	3,989.4	8.2	6.9	-179.69	-0.2	-42.6	290.0	276.1	13.89	20.882		
4,100.0	4,090.2	4,089.1	4,089.1	8.4	7.1	-179.69	-0.2	-42.9	298.1	283.9	14.23	20.942		
4,200.0	4,189.9	4,188.8	4,188.8	8.7	7.3	-179.69	-0.2	-43.3	306.2	291.6	14.58	20.999		
4,300.0	4,289.6	4,288.5	4,288.5	8.9	7.5	-179.69	-0.1	-43.7	314.3	299.4	14.93	21.053		
4,400.0	4,389.3	4,388.2	4,388.1	9.1	7.6	-179.69	-0.1	-44.0	322.5	307.2	15.28	21.104		
4,500.0	4,489.0	4,487.8	4,487.8	9.3	7.8	-179.69	-0.1	-44.4	330.6	315.0	15.63	21.154		
4,600.0	4,588.7	4,587.5	4,587.5	9.6	8.0	-179.69	-0.1	-44.7	338.7	322.7	15.98	21.201		
4,700.0	4,688.4	4,687.2	4,687.1	9.8	8.2	-179.69	0.0	-45.1	346.8	330.5	16.32	21.246		
4,800.0	4,788.1	4,786.8	4,786.8	10.0	8.3	-179.69	0.0	-45.5	354.9	338.3	16.67	21.289		
4,900.0	4,887.8	4,886.5	4,886.5	10.2	8.5	-179.69	0.0	-45.8	363.1	346.0	17.02	21.331		
5,000.0	4,987.5	4,986.2	4,986.1	10.4	8.7	-179.69	0.0	-46.2	371.2	353.8	17.37	21.371		

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1D-19H-B2688 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,087.2	5,085.8	5,085.8	10.7	8.9	-179.69	0.1	-46.6	379.3	361.6	17.72	21.409		
5,200.0	5,186.9	5,185.5	5,185.5	10.9	9.0	-179.69	0.1	-46.9	387.4	369.4	18.07	21.446		
5,300.0	5,286.6	5,285.2	5,285.1	11.1	9.2	-179.69	0.1	-47.3	395.5	377.1	18.41	21.481		
5,400.0	5,386.3	5,384.8	5,384.8	11.3	9.4	-179.69	0.1	-47.6	403.7	384.9	18.76	21.515		
5,500.0	5,486.0	5,484.5	5,484.5	11.5	9.6	-179.69	0.2	-48.0	411.8	392.7	19.11	21.548		
5,600.0	5,585.7	5,584.2	5,584.2	11.8	9.7	-179.70	0.2	-48.4	419.9	400.4	19.46	21.580		
5,700.0	5,685.4	5,683.9	5,683.8	12.0	9.9	-179.70	0.2	-48.7	428.0	408.2	19.81	21.610		
5,800.0	5,785.1	5,783.5	5,783.5	12.2	10.1	-179.70	0.2	-49.1	436.1	416.0	20.16	21.640		
5,900.0	5,884.8	5,883.2	5,883.2	12.4	10.3	-179.70	0.3	-49.5	444.3	423.8	20.50	21.668		
6,000.0	5,984.5	5,982.9	5,982.8	12.6	10.4	-179.70	0.3	-49.8	452.4	431.5	20.85	21.696		
6,100.0	6,084.2	6,082.5	6,082.5	12.9	10.6	-179.70	0.3	-50.2	460.5	439.3	21.20	21.722		
6,200.0	6,183.9	6,182.2	6,182.2	13.1	10.8	-179.70	0.3	-50.5	468.6	447.1	21.55	21.748		
6,300.0	6,283.6	6,281.9	6,281.8	13.3	10.9	-179.70	0.4	-50.9	476.7	454.9	21.90	21.773		
6,400.0	6,383.3	6,381.5	6,381.5	13.5	11.1	-179.70	0.4	-51.3	484.9	462.6	22.24	21.797		
6,500.0	6,483.0	6,481.2	6,481.2	13.7	11.3	-179.70	0.4	-51.6	493.0	470.4	22.59	21.821		
6,600.0	6,582.7	6,580.9	6,580.8	14.0	11.5	-179.70	0.4	-52.0	501.1	478.2	22.94	21.843		
6,700.0	6,682.4	6,680.6	6,680.5	14.2	11.6	-179.70	0.5	-52.3	509.2	485.9	23.29	21.865		
6,736.4	6,718.6	6,716.8	6,716.8	14.3	11.7	-179.70	0.5	-52.5	512.2	488.8	23.42	21.873		
6,750.0	6,732.2	6,730.1	6,730.0	14.3	11.7	166.34	0.4	-52.5	513.3	489.8	23.46	21.876		
6,800.0	6,782.0	6,778.6	6,778.5	14.4	11.8	129.79	-2.0	-52.7	517.3	493.7	23.64	21.886		
6,850.0	6,831.5	6,827.2	6,826.7	14.5	11.9	113.88	-7.7	-52.9	521.4	497.5	23.82	21.891		
6,900.0	6,880.4	6,875.8	6,874.5	14.6	12.0	106.13	-16.7	-53.1	525.3	501.3	24.00	21.887		
6,950.0	6,928.6	6,924.4	6,921.5	14.7	12.1	101.65	-28.8	-53.2	529.2	505.0	24.20	21.868		
7,000.0	6,975.7	6,973.0	6,967.7	14.9	12.2	98.73	-44.2	-53.4	533.0	508.6	24.42	21.830		
7,050.0	7,021.6	7,021.7	7,012.7	15.0	12.3	96.68	-62.6	-53.6	536.8	512.1	24.66	21.764		
7,100.0	7,066.1	7,070.4	7,056.4	15.1	12.4	95.15	-84.1	-53.7	540.4	515.4	24.94	21.665		
7,150.0	7,108.8	7,119.2	7,098.6	15.3	12.6	93.98	-108.6	-53.9	543.8	518.5	25.26	21.526		
7,200.0	7,149.7	7,168.1	7,139.1	15.4	12.8	93.04	-135.9	-54.0	547.1	521.5	25.63	21.344		
7,250.0	7,188.5	7,217.0	7,177.7	15.6	13.0	92.29	-165.9	-54.2	550.2	524.2	26.06	21.113		
7,300.0	7,225.0	7,266.0	7,214.2	15.9	13.2	91.69	-198.6	-54.3	553.2	526.6	26.55	20.832		
7,350.0	7,259.1	7,315.1	7,248.5	16.1	13.5	91.19	-233.7	-54.4	555.9	528.8	27.12	20.501		
7,400.0	7,290.5	7,364.2	7,280.3	16.4	13.8	90.79	-271.2	-54.5	558.5	530.7	27.76	20.121		
7,450.0	7,319.1	7,413.5	7,309.5	16.7	14.2	90.46	-310.8	-54.6	560.8	532.3	28.47	19.697		
7,500.0	7,344.9	7,462.8	7,336.0	17.1	14.5	90.21	-352.4	-54.7	562.9	533.6	29.26	19.234		
7,550.0	7,367.6	7,512.3	7,359.6	17.5	15.0	90.02	-395.9	-54.8	564.7	534.6	30.13	18.739		
7,600.0	7,387.1	7,561.8	7,380.2	17.9	15.5	89.88	-440.9	-54.9	566.3	535.2	31.08	18.218		
7,650.0	7,403.4	7,611.5	7,397.6	18.4	16.0	89.80	-487.4	-55.0	567.6	535.5	32.10	17.680		
7,700.0	7,416.4	7,661.2	7,411.8	18.9	16.5	89.77	-535.1	-55.0	568.6	535.4	33.19	17.133		
7,750.0	7,426.0	7,711.1	7,422.7	19.4	17.1	89.78	-583.7	-55.0	569.4	535.1	34.34	16.582		
7,800.0	7,432.2	7,761.0	7,430.2	20.0	17.7	89.84	-633.1	-55.1	569.9	534.4	35.54	16.035		
7,850.0	7,434.9	7,811.0	7,434.2	20.5	18.4	89.94	-682.9	-55.1	570.1	533.3	36.79	15.496		
7,863.7	7,435.0	7,824.8	7,434.7	20.7	18.5	89.97	-696.7	-55.1	570.1	533.0	37.14	15.350		
7,900.0	7,435.0	7,861.1	7,435.0	21.1	19.0	90.00	-733.0	-55.1	570.1	532.0	38.10	14.963		
8,000.0	7,435.0	7,961.1	7,435.0	22.4	20.4	90.00	-833.0	-55.1	570.1	529.3	40.84	13.959		
8,100.0	7,435.0	8,061.1	7,435.0	23.7	21.8	90.00	-933.0	-55.1	570.1	526.5	43.69	13.050		
8,200.0	7,435.0	8,161.1	7,435.0	25.0	23.3	90.00	-1,033.0	-55.1	570.1	523.5	46.62	12.229		
8,300.0	7,435.0	8,261.1	7,435.0	26.4	24.8	90.00	-1,133.0	-55.1	570.1	520.5	49.63	11.487		
8,400.0	7,435.0	8,361.1	7,435.0	27.9	26.3	90.00	-1,233.0	-55.1	570.1	517.4	52.70	10.818		
8,500.0	7,435.0	8,461.1	7,435.0	29.4	27.9	90.00	-1,333.0	-55.1	570.1	514.3	55.83	10.213		
8,600.0	7,435.0	8,561.1	7,435.0	30.9	29.5	90.00	-1,433.0	-55.1	570.1	511.1	58.99	9.665		
8,700.0	7,435.0	8,661.1	7,435.0	32.4	31.1	90.00	-1,533.0	-55.1	570.1	507.9	62.20	9.167		
8,800.0	7,435.0	8,761.1	7,435.0	34.0	32.7	90.00	-1,633.0	-55.1	570.1	504.7	65.43	8.714		

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 1G-19H-B2685
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 1G-19H-B2685	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		
8,900.0	7,435.0	8,861.1	7,435.0	35.5	34.3	90.00	-1,733.0	-55.1	570.1	501.5	68.69	8.300		
9,000.0	7,435.0	8,961.1	7,435.0	37.1	36.0	90.00	-1,833.0	-55.1	570.1	498.2	71.98	7.921		
9,100.0	7,435.0	9,061.1	7,435.0	38.7	37.6	90.00	-1,933.0	-55.1	570.1	494.9	75.28	7.574		
9,200.0	7,435.0	9,161.1	7,435.0	40.4	39.3	90.00	-2,033.0	-55.1	570.1	491.5	78.60	7.254		
9,300.0	7,435.0	9,261.1	7,435.0	42.0	41.0	90.00	-2,133.0	-55.1	570.1	488.2	81.94	6.958		
9,400.0	7,435.0	9,361.1	7,435.0	43.6	42.6	90.00	-2,233.0	-55.1	570.1	484.9	85.29	6.685		
9,500.0	7,435.0	9,461.1	7,435.0	45.3	44.3	90.00	-2,333.0	-55.1	570.1	481.5	88.66	6.431		
9,600.0	7,435.0	9,561.1	7,435.0	46.9	46.0	90.00	-2,433.0	-55.1	570.1	478.1	92.03	6.195		
9,700.0	7,435.0	9,661.1	7,435.0	48.6	47.7	90.00	-2,533.0	-55.1	570.1	474.7	95.41	5.976		
9,800.0	7,435.0	9,761.1	7,435.0	50.2	49.4	90.00	-2,633.0	-55.1	570.1	471.3	98.81	5.770		
9,900.0	7,435.0	9,861.1	7,435.0	51.9	51.1	90.00	-2,733.0	-55.1	570.1	467.9	102.21	5.578		
10,000.0	7,435.0	9,961.1	7,435.0	53.6	52.8	90.00	-2,833.0	-55.1	570.1	464.5	105.61	5.398		
10,100.0	7,435.0	10,061.1	7,435.0	55.3	54.5	90.00	-2,933.0	-55.1	570.1	461.1	109.03	5.229		
10,200.0	7,435.0	10,161.1	7,435.0	57.0	56.2	90.00	-3,033.0	-55.1	570.1	457.7	112.45	5.070		
10,300.0	7,435.0	10,261.1	7,435.0	58.7	57.9	90.00	-3,133.0	-55.1	570.1	454.3	115.87	4.920		
10,400.0	7,435.0	10,361.1	7,435.0	60.4	59.6	90.00	-3,233.0	-55.1	570.1	450.8	119.30	4.779		
10,500.0	7,435.0	10,461.1	7,435.0	62.1	61.4	90.00	-3,333.0	-55.1	570.1	447.4	122.74	4.645		
10,600.0	7,435.0	10,561.1	7,435.0	63.8	63.1	90.00	-3,433.0	-55.1	570.1	444.0	126.18	4.519		
10,700.0	7,435.0	10,661.1	7,435.0	65.5	64.8	90.00	-3,533.0	-55.1	570.1	440.5	129.62	4.399		
10,800.0	7,435.0	10,761.1	7,435.0	67.2	66.5	90.00	-3,633.0	-55.1	570.1	437.1	133.06	4.285		
10,900.0	7,435.0	10,861.1	7,435.0	68.9	68.2	90.00	-3,733.0	-55.1	570.1	433.6	136.51	4.177		
11,000.0	7,435.0	10,961.1	7,435.0	70.6	70.0	90.00	-3,833.0	-55.1	570.1	430.2	139.96	4.074		
11,100.0	7,435.0	11,061.1	7,435.0	72.3	71.7	90.00	-3,933.0	-55.1	570.1	426.7	143.42	3.975		
11,200.0	7,435.0	11,161.1	7,435.0	74.0	73.4	90.00	-4,033.0	-55.1	570.1	423.3	146.87	3.882		
11,300.0	7,435.0	11,261.1	7,435.0	75.7	75.2	90.00	-4,133.0	-55.1	570.1	419.8	150.33	3.793		
11,363.7	7,435.0	11,324.8	7,435.0	76.8	76.3	90.00	-4,196.7	-55.1	570.1	417.6	152.54	3.738		
11,400.0	7,435.0	11,361.1	7,435.0	77.4	76.9	90.00	-4,233.0	-55.1	570.5	416.6	153.94	3.706		
11,500.0	7,435.0	11,461.0	7,435.0	79.2	78.6	90.00	-4,332.9	-55.1	575.6	418.2	157.46	3.656 SF		
11,600.0	7,435.0	11,560.3	7,435.0	80.9	80.3	90.00	-4,432.2	-55.1	586.6	426.1	160.44	3.656		
11,700.0	7,435.0	11,658.9	7,435.0	82.6	82.0	90.00	-4,530.8	-55.1	603.4	440.5	162.86	3.705		
11,800.0	7,435.0	11,756.3	7,435.0	84.4	83.7	90.00	-4,628.2	-55.1	626.0	461.3	164.69	3.801		
11,900.0	7,435.0	11,852.2	7,435.0	86.1	85.4	90.00	-4,724.1	-55.1	654.2	488.3	165.92	3.943		
11,962.7	7,435.0	11,911.5	7,435.0	87.2	86.4	90.00	-4,783.3	-55.1	674.8	508.5	166.38	4.056		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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	-92.10	-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		
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	-92.10	-0.7	-19.9	19.9	18.5	1.35	14.706		
500.0	500.0	500.0	500.0	0.8	0.8	-92.10	-0.7	-19.9	19.9	18.2	1.70	11.686		
600.0	600.0	600.0	600.0	1.0	1.0	-92.10	-0.7	-19.9	19.9	17.8	2.05	9.695		
700.0	700.0	700.0	700.0	1.2	1.2	-92.10	-0.7	-19.9	19.9	17.5	2.40	8.284	CC, ES	
800.0	800.0	800.0	800.0	1.4	1.4	-179.70	-0.7	-19.9	21.6	18.9	2.75	7.870		
900.0	899.8	899.8	899.8	1.6	1.5	-179.76	-0.7	-19.9	26.8	23.8	3.09	8.684		
922.5	922.3	922.3	922.3	1.6	1.6	-179.77	-0.7	-19.9	28.5	25.3	3.17	8.995		
1,000.0	999.5	999.5	999.5	1.8	1.7	-179.81	-0.7	-19.9	34.5	31.1	3.44	10.037		
1,100.0	1,099.2	1,099.2	1,099.2	2.0	1.9	-179.85	-0.7	-19.9	42.3	38.5	3.79	11.163		
1,200.0	1,198.9	1,198.9	1,198.9	2.2	2.1	-179.87	-0.7	-19.9	50.0	45.9	4.14	12.099		
1,300.0	1,298.6	1,298.6	1,298.6	2.4	2.2	-179.89	-0.7	-19.9	57.8	53.3	4.48	12.889		
1,400.0	1,398.3	1,398.3	1,398.3	2.6	2.4	-179.90	-0.7	-19.9	65.6	60.7	4.83	13.565		
1,500.0	1,498.0	1,498.0	1,498.0	2.8	2.6	-179.91	-0.7	-19.9	73.3	68.1	5.18	14.151		
1,600.0	1,597.7	1,597.7	1,597.7	3.0	2.8	-179.92	-0.7	-19.9	81.1	75.5	5.53	14.663		
1,700.0	1,697.4	1,697.4	1,697.4	3.2	2.9	-179.93	-0.7	-19.9	88.8	83.0	5.88	15.114		
1,800.0	1,797.1	1,797.1	1,797.1	3.4	3.1	-179.93	-0.7	-19.9	96.6	90.4	6.23	15.514		
1,900.0	1,896.8	1,896.8	1,896.8	3.6	3.3	-179.94	-0.7	-19.9	104.4	97.8	6.57	15.872		
2,000.0	1,996.5	1,996.5	1,996.5	3.9	3.5	-179.94	-0.7	-19.9	112.1	105.2	6.92	16.195		
2,100.0	2,096.2	2,096.2	2,096.2	4.1	3.6	-179.95	-0.7	-19.9	119.9	112.6	7.27	16.486		
2,200.0	2,195.9	2,195.9	2,195.9	4.3	3.8	-179.95	-0.7	-19.9	127.6	120.0	7.62	16.750		
2,300.0	2,295.6	2,295.6	2,295.6	4.5	4.0	-179.95	-0.7	-19.9	135.4	127.4	7.97	16.992		
2,400.0	2,395.3	2,395.3	2,395.3	4.7	4.2	-179.95	-0.7	-19.9	143.1	134.8	8.32	17.213		
2,500.0	2,495.0	2,495.0	2,495.0	4.9	4.3	-179.96	-0.7	-19.9	150.9	142.2	8.66	17.417		
2,600.0	2,594.7	2,594.7	2,594.7	5.2	4.5	-179.96	-0.7	-19.9	158.7	149.7	9.01	17.605		
2,700.0	2,694.4	2,694.4	2,694.4	5.4	4.7	-179.96	-0.7	-19.9	166.4	157.1	9.36	17.778		
2,800.0	2,794.1	2,794.1	2,794.1	5.6	4.9	-179.96	-0.7	-19.9	174.2	164.5	9.71	17.940		
2,900.0	2,893.8	2,893.8	2,893.8	5.8	5.0	-179.96	-0.7	-19.9	181.9	171.9	10.06	18.090		
3,000.0	2,993.5	2,993.5	2,993.5	6.0	5.2	-179.97	-0.7	-19.9	189.7	179.3	10.41	18.230		
3,100.0	3,093.2	3,093.2	3,093.2	6.3	5.4	-179.97	-0.7	-19.9	197.5	186.7	10.75	18.361		
3,200.0	3,192.9	3,192.9	3,192.9	6.5	5.5	-179.97	-0.7	-19.9	205.2	194.1	11.10	18.484		
3,300.0	3,292.6	3,292.6	3,292.6	6.7	5.7	-179.97	-0.7	-19.9	213.0	201.5	11.45	18.599		
3,400.0	3,392.3	3,392.3	3,392.3	6.9	5.9	-179.97	-0.7	-19.9	220.7	208.9	11.80	18.708		
3,500.0	3,492.0	3,492.0	3,492.0	7.1	6.1	-179.97	-0.7	-19.9	228.5	216.4	12.15	18.810		
3,600.0	3,591.7	3,591.7	3,591.7	7.3	6.2	-179.97	-0.7	-19.9	236.3	223.8	12.50	18.907		
3,700.0	3,691.4	3,691.4	3,691.4	7.6	6.4	-179.97	-0.7	-19.9	244.0	231.2	12.84	18.998		
3,800.0	3,791.1	3,791.1	3,791.1	7.8	6.6	-179.97	-0.7	-19.9	251.8	238.6	13.19	19.085		
3,900.0	3,890.8	3,890.8	3,890.8	8.0	6.8	-179.97	-0.7	-19.9	259.5	246.0	13.54	19.167		
4,000.0	3,990.5	3,990.5	3,990.5	8.2	6.9	-179.98	-0.7	-19.9	267.3	253.4	13.89	19.245		
4,100.0	4,090.2	4,099.7	4,099.7	8.4	7.1	-179.98	-0.7	-18.1	273.5	259.2	14.25	19.186		
4,200.0	4,189.9	4,205.1	4,204.9	8.7	7.3	-179.99	-0.5	-12.9	276.3	261.7	14.61	18.909		
4,300.0	4,289.6	4,305.0	4,304.7	8.9	7.5	-180.00	-0.3	-7.5	278.6	263.7	14.96	18.623		
4,400.0	4,389.3	4,405.0	4,404.6	9.1	7.7	179.99	-0.1	-2.1	281.0	265.7	15.31	18.351		
4,500.0	4,489.0	4,505.0	4,504.4	9.3	7.9	179.99	0.1	3.3	283.3	267.7	15.66	18.091		
4,600.0	4,588.7	4,604.9	4,604.2	9.6	8.0	179.98	0.3	8.8	285.6	269.6	16.01	17.842		
4,700.0	4,688.4	4,704.9	4,704.0	9.8	8.2	179.97	0.4	14.2	288.0	271.6	16.36	17.603		
4,800.0	4,788.1	4,804.9	4,803.9	10.0	8.4	179.96	0.6	19.6	290.3	273.6	16.71	17.375		
4,900.0	4,887.8	4,904.9	4,903.7	10.2	8.6	179.95	0.8	25.0	292.6	275.6	17.06	17.156		
5,000.0	4,987.5	5,004.8	5,003.5	10.4	8.8	179.94	1.0	30.5	295.0	277.6	17.41	16.946		

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 1G-19H-B2685
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 1G-19H-B2685	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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,087.2	5,104.8	5,103.3	10.7	8.9	179.94	1.2	35.9	297.3	279.6	17.76	16.744		
5,200.0	5,186.9	5,204.8	5,203.2	10.9	9.1	179.93	1.4	41.3	299.6	281.5	18.11	16.550		
5,300.0	5,286.6	5,304.8	5,303.0	11.1	9.3	179.92	1.6	46.7	302.0	283.5	18.46	16.363		
5,400.0	5,386.3	5,404.7	5,402.8	11.3	9.5	179.91	1.8	52.2	304.3	285.5	18.80	16.183		
5,500.0	5,486.0	5,504.7	5,502.6	11.5	9.7	179.91	1.9	57.6	306.6	287.5	19.15	16.010		
5,600.0	5,585.7	5,604.7	5,602.5	11.8	9.9	179.90	2.1	63.0	309.0	289.5	19.50	15.843		
5,700.0	5,685.4	5,704.6	5,702.3	12.0	10.1	179.89	2.3	68.5	311.3	291.5	19.85	15.682		
5,800.0	5,785.1	5,804.6	5,802.1	12.2	10.2	179.89	2.5	73.9	313.6	293.4	20.20	15.526		
5,900.0	5,884.8	5,904.6	5,901.9	12.4	10.4	179.88	2.7	79.3	316.0	295.4	20.55	15.376		
6,000.0	5,984.5	6,004.6	6,001.8	12.6	10.6	179.87	2.9	84.7	318.3	297.4	20.90	15.231		
6,100.0	6,084.2	6,104.5	6,101.6	12.9	10.8	179.86	3.1	90.2	320.6	299.4	21.25	15.090		
6,200.0	6,183.9	6,204.5	6,201.4	13.1	11.0	179.86	3.3	95.6	323.0	301.4	21.60	14.954		
6,300.0	6,283.6	6,304.5	6,301.2	13.3	11.2	179.85	3.4	101.0	325.3	303.4	21.95	14.822		
6,400.0	6,383.3	6,404.5	6,401.1	13.5	11.4	179.85	3.6	106.4	327.6	305.4	22.30	14.695		
6,500.0	6,483.0	6,504.4	6,500.9	13.7	11.6	179.84	3.8	111.9	330.0	307.3	22.65	14.571		
6,600.0	6,582.7	6,604.4	6,600.7	14.0	11.8	179.83	4.0	117.3	332.3	309.3	23.00	14.451		
6,700.0	6,682.4	6,704.4	6,700.5	14.2	12.0	179.83	4.2	122.7	334.6	311.3	23.34	14.335		
6,736.4	6,718.6	6,740.7	6,736.8	14.3	12.0	179.82	4.3	124.7	335.5	312.0	23.47	14.294		
6,750.0	6,732.2	6,754.4	6,750.4	14.3	12.0	165.95	4.3	125.4	335.8	312.3	23.52	14.278		
6,800.0	6,782.0	6,804.3	6,800.3	14.4	12.1	130.07	4.4	128.1	336.9	313.2	23.70	14.216		
6,850.0	6,831.5	6,853.9	6,849.8	14.5	12.2	115.40	4.5	130.8	337.8	314.0	23.87	14.154		
6,900.0	6,880.4	6,903.1	6,898.9	14.6	12.3	109.15	2.9	133.5	338.9	314.9	24.04	14.098		
6,950.0	6,928.6	6,952.8	6,948.3	14.7	12.4	106.14	-2.2	136.2	340.2	316.0	24.21	14.050		
7,000.0	6,975.7	7,003.1	6,997.8	14.9	12.5	104.67	-10.8	138.9	341.6	317.2	24.39	14.008		
7,050.0	7,021.6	7,054.0	7,047.1	15.0	12.6	104.04	-23.0	141.6	343.1	318.6	24.56	13.970		
7,100.0	7,066.1	7,105.4	7,095.9	15.1	12.7	103.89	-38.9	144.2	344.8	320.1	24.75	13.933		
7,150.0	7,108.8	7,157.5	7,144.1	15.3	12.9	104.05	-58.5	146.8	346.6	321.7	24.95	13.891		
7,200.0	7,149.7	7,210.2	7,191.2	15.4	13.0	104.40	-81.9	149.4	348.5	323.4	25.18	13.840		
7,250.0	7,188.5	7,263.5	7,237.0	15.6	13.2	104.87	-108.9	151.9	350.5	325.1	25.45	13.773		
7,300.0	7,225.0	7,317.4	7,281.2	15.9	13.4	105.42	-139.7	154.3	352.5	326.8	25.76	13.683		
7,350.0	7,259.1	7,371.9	7,323.4	16.1	13.6	106.01	-174.2	156.6	354.5	328.4	26.14	13.565		
7,400.0	7,290.5	7,427.1	7,363.3	16.4	13.9	106.62	-212.2	158.7	356.6	330.0	26.59	13.412		
7,450.0	7,319.1	7,482.8	7,400.5	16.7	14.2	107.22	-253.6	160.8	358.5	331.4	27.12	13.221		
7,500.0	7,344.9	7,539.1	7,434.8	17.1	14.6	107.81	-298.2	162.6	360.4	332.7	27.75	12.989		
7,550.0	7,367.6	7,595.9	7,465.7	17.5	15.1	108.37	-345.9	164.3	362.2	333.7	28.48	12.717		
7,600.0	7,387.1	7,653.3	7,492.9	17.9	15.5	108.89	-396.3	165.8	363.9	334.5	29.33	12.405		
7,650.0	7,403.4	7,711.1	7,516.2	18.4	16.1	109.36	-449.2	167.1	365.4	335.1	30.30	12.059		
7,700.0	7,416.4	7,769.3	7,535.3	18.9	16.7	109.78	-504.2	168.1	366.6	335.3	31.38	11.686		
7,750.0	7,426.0	7,827.9	7,550.0	19.4	17.4	110.15	-560.8	168.9	367.7	335.2	32.56	11.293		
7,800.0	7,432.2	7,886.8	7,560.0	20.0	18.1	110.45	-618.8	169.4	368.6	334.7	33.85	10.888		
7,850.0	7,434.9	7,945.9	7,565.2	20.5	18.8	110.69	-677.7	169.7	369.1	333.9	35.23	10.478		
7,863.7	7,435.0	7,962.1	7,565.8	20.7	19.0	110.74	-693.9	169.8	369.2	333.6	35.62	10.366		
7,900.0	7,435.0	8,001.2	7,566.0	21.1	19.5	110.78	-733.0	169.8	369.3	332.8	36.54	10.107		
8,000.0	7,435.0	8,101.2	7,566.0	22.4	20.8	110.78	-833.0	169.8	369.3	330.2	39.07	9.452		
8,100.0	7,435.0	8,201.2	7,566.0	23.7	22.2	110.78	-933.0	169.8	369.3	327.6	41.71	8.854		
8,200.0	7,435.0	8,301.2	7,566.0	25.0	23.7	110.78	-1,033.0	169.8	369.3	324.9	44.43	8.312		
8,300.0	7,435.0	8,401.2	7,566.0	26.4	25.2	110.78	-1,133.0	169.8	369.3	322.1	47.23	7.820		
8,400.0	7,435.0	8,501.2	7,566.0	27.9	26.7	110.78	-1,233.0	169.8	369.3	319.2	50.08	7.374		
8,500.0	7,435.0	8,601.2	7,566.0	29.4	28.2	110.78	-1,333.0	169.8	369.3	316.3	52.99	6.970		
8,600.0	7,435.0	8,701.2	7,566.0	30.9	29.8	110.78	-1,433.0	169.8	369.3	313.4	55.93	6.603		
8,700.0	7,435.0	8,801.2	7,566.0	32.4	31.4	110.78	-1,533.0	169.8	369.3	310.4	58.91	6.269		
8,800.0	7,435.0	8,901.2	7,566.0	34.0	33.0	110.78	-1,633.0	169.8	369.3	307.4	61.92	5.964		

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 1G-19H-B2685
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 1G-19H-B2685	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		
8,900.0	7,435.0	9,001.2	7,566.0	35.5	34.6	110.78	-1,733.0	169.8	369.3	304.3	64.96	5.685		
9,000.0	7,435.0	9,101.2	7,566.0	37.1	36.2	110.78	-1,833.0	169.8	369.3	301.3	68.02	5.429		
9,100.0	7,435.0	9,201.2	7,566.0	38.7	37.9	110.78	-1,933.0	169.8	369.3	298.2	71.10	5.194		
9,200.0	7,435.0	9,301.2	7,566.0	40.4	39.5	110.78	-2,033.0	169.8	369.3	295.1	74.20	4.977		
9,300.0	7,435.0	9,401.2	7,566.0	42.0	41.2	110.78	-2,133.0	169.8	369.3	292.0	77.32	4.777		
9,400.0	7,435.0	9,501.2	7,566.0	43.6	42.9	110.78	-2,233.0	169.8	369.3	288.9	80.44	4.591		
9,500.0	7,435.0	9,601.2	7,566.0	45.3	44.5	110.78	-2,333.0	169.8	369.3	285.7	83.58	4.419		
9,600.0	7,435.0	9,701.2	7,566.0	46.9	46.2	110.78	-2,433.0	169.8	369.3	282.6	86.73	4.258		
9,700.0	7,435.0	9,801.2	7,566.0	48.6	47.9	110.78	-2,533.0	169.8	369.3	279.4	89.89	4.108		
9,800.0	7,435.0	9,901.2	7,566.0	50.2	49.6	110.78	-2,633.0	169.8	369.3	276.2	93.06	3.969		
9,900.0	7,435.0	10,001.2	7,566.0	51.9	51.3	110.78	-2,733.0	169.8	369.3	273.1	96.23	3.838		
10,000.0	7,435.0	10,101.2	7,566.0	53.6	53.0	110.78	-2,833.0	169.8	369.3	269.9	99.41	3.715		
10,100.0	7,435.0	10,201.2	7,566.0	55.3	54.7	110.78	-2,933.0	169.8	369.3	266.7	102.60	3.599		
10,200.0	7,435.0	10,301.2	7,566.0	57.0	56.4	110.78	-3,033.0	169.8	369.3	263.5	105.80	3.491		
10,300.0	7,435.0	10,401.2	7,566.0	58.7	58.1	110.78	-3,133.0	169.8	369.3	260.3	109.00	3.388		
10,400.0	7,435.0	10,501.2	7,566.0	60.4	59.8	110.78	-3,233.0	169.8	369.3	257.1	112.20	3.291		
10,500.0	7,435.0	10,601.2	7,566.0	62.1	61.5	110.78	-3,333.0	169.8	369.3	253.9	115.41	3.200		
10,600.0	7,435.0	10,701.2	7,566.0	63.8	63.2	110.78	-3,433.0	169.8	369.3	250.7	118.62	3.113		
10,700.0	7,435.0	10,801.2	7,566.0	65.5	65.0	110.78	-3,533.0	169.8	369.3	247.5	121.84	3.031		
10,800.0	7,435.0	10,901.2	7,566.0	67.2	66.7	110.78	-3,633.0	169.8	369.3	244.2	125.06	2.953		
10,900.0	7,435.0	11,001.2	7,566.0	68.9	68.4	110.78	-3,733.0	169.8	369.3	241.0	128.28	2.879		
11,000.0	7,435.0	11,101.2	7,566.0	70.6	70.1	110.78	-3,833.0	169.8	369.3	237.8	131.51	2.808		
11,100.0	7,435.0	11,201.2	7,566.0	72.3	71.8	110.78	-3,933.0	169.8	369.3	234.6	134.74	2.741		
11,200.0	7,435.0	11,301.2	7,566.0	74.0	73.6	110.78	-4,033.0	169.8	369.3	231.3	137.97	2.677		
11,300.0	7,435.0	11,401.2	7,566.0	75.7	75.3	110.78	-4,133.0	169.8	369.3	228.1	141.20	2.615		
11,363.7	7,435.0	11,464.9	7,566.0	76.8	76.4	110.78	-4,196.7	169.8	369.3	226.0	143.27	2.578		
11,400.0	7,435.0	11,501.2	7,566.0	77.4	77.0	110.76	-4,233.0	169.8	369.7	225.0	144.65	2.556		
11,500.0	7,435.0	11,601.0	7,566.0	79.2	78.8	110.54	-4,332.9	169.8	374.4	226.1	148.31	2.525 SF		
11,600.0	7,435.0	11,700.4	7,566.0	80.9	80.5	110.09	-4,432.2	169.8	384.7	233.0	151.69	2.536		
11,700.0	7,435.0	11,799.0	7,566.0	82.6	82.2	109.44	-4,530.8	169.8	400.6	245.8	154.72	2.589		
11,800.0	7,435.0	11,896.4	7,566.0	84.4	83.9	108.66	-4,628.2	169.8	422.0	264.6	157.33	2.682		
11,900.0	7,435.0	11,992.3	7,566.0	86.1	85.5	107.80	-4,724.1	169.8	448.9	289.5	159.41	2.816		
11,962.7	7,435.0	12,051.5	7,566.0	87.2	86.6	107.24	-4,783.3	169.8	468.7	308.2	160.42	2.921		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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				Total		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-92.16	-0.4	-9.8	9.8						
100.0	100.0	100.0	100.0	0.2	0.2	-92.16	-0.4	-9.8	9.8	9.5	0.30	32.248			
200.0	200.0	200.0	200.0	0.3	0.3	-92.16	-0.4	-9.8	9.8	9.1	0.65	15.003			
300.0	300.0	300.0	300.0	0.5	0.5	-92.16	-0.4	-9.8	9.8	8.8	1.00	9.776			
400.0	400.0	400.0	400.0	0.7	0.7	-92.16	-0.4	-9.8	9.8	8.4	1.35	7.250			
500.0	500.0	500.0	500.0	0.8	0.8	-92.16	-0.4	-9.8	9.8	8.1	1.70	5.761			
600.0	600.0	600.0	600.0	1.0	1.0	-92.16	-0.4	-9.8	9.8	7.7	2.05	4.780			
700.0	700.0	700.0	700.0	1.2	1.2	-92.16	-0.4	-9.8	9.8	7.4	2.40	4.084	CC, ES		
800.0	800.0	800.0	800.0	1.4	1.4	-179.77	-0.4	-9.8	11.5	8.8	2.75	4.202			
900.0	899.8	899.8	899.8	1.6	1.5	-179.84	-0.4	-9.8	16.8	13.7	3.09	5.425			
922.5	922.3	922.4	922.4	1.6	1.6	-179.85	-0.4	-9.7	18.3	15.2	3.17	5.789			
1,000.0	999.5	1,000.4	1,000.3	1.8	1.7	-179.80	-0.3	-8.0	22.7	19.3	3.44	6.598			
1,100.0	1,099.2	1,101.0	1,100.9	2.0	1.9	-179.60	0.1	-2.8	25.3	21.5	3.79	6.665			
1,200.0	1,198.9	1,201.0	1,200.6	2.2	2.1	-179.37	0.4	3.6	26.7	22.5	4.14	6.438			
1,300.0	1,298.6	1,301.0	1,300.4	2.4	2.3	-179.16	0.8	9.9	28.0	23.6	4.49	6.247			
1,400.0	1,398.3	1,401.0	1,400.2	2.6	2.5	-178.97	1.2	16.3	29.4	24.6	4.84	6.084			
1,500.0	1,498.0	1,501.0	1,500.0	2.8	2.7	-178.80	1.6	22.6	30.8	25.6	5.19	5.942			
1,600.0	1,597.7	1,601.0	1,599.8	3.0	2.9	-178.65	2.0	29.0	32.2	26.7	5.54	5.819			
1,700.0	1,697.4	1,701.0	1,699.6	3.2	3.1	-178.50	2.4	35.4	33.6	27.7	5.89	5.710			
1,800.0	1,797.1	1,800.9	1,799.4	3.4	3.3	-178.37	2.8	41.7	35.0	28.8	6.24	5.614			
1,900.0	1,896.8	1,900.9	1,899.1	3.6	3.5	-178.25	3.2	48.1	36.4	29.8	6.59	5.527			
2,000.0	1,996.5	2,000.9	1,998.9	3.9	3.7	-178.13	3.5	54.4	37.8	30.9	6.94	5.450			
2,100.0	2,096.2	2,100.9	2,098.7	4.1	3.9	-178.03	3.9	60.8	39.2	31.9	7.29	5.380			
2,200.0	2,195.9	2,200.9	2,198.5	4.3	4.1	-177.93	4.3	67.2	40.6	33.0	7.64	5.316			
2,300.0	2,295.6	2,300.9	2,298.3	4.5	4.3	-177.84	4.7	73.5	42.0	34.0	7.99	5.258			
2,400.0	2,395.3	2,400.9	2,398.1	4.7	4.5	-177.75	5.1	79.9	43.4	35.0	8.33	5.205			
2,500.0	2,495.0	2,500.9	2,497.9	4.9	4.7	-177.67	5.5	86.2	44.8	36.1	8.68	5.156			
2,600.0	2,594.7	2,600.9	2,597.7	5.2	4.9	-177.60	5.9	92.6	46.2	37.1	9.03	5.110			
2,700.0	2,694.4	2,700.9	2,697.4	5.4	5.1	-177.53	6.3	99.0	47.6	38.2	9.38	5.069			
2,800.0	2,794.1	2,800.8	2,797.2	5.6	5.3	-177.46	6.6	105.3	49.0	39.2	9.73	5.030			
2,900.0	2,893.8	2,900.8	2,897.0	5.8	5.5	-177.40	7.0	111.7	50.4	40.3	10.08	4.994			
3,000.0	2,993.5	3,000.8	2,996.8	6.0	5.7	-177.34	7.4	118.0	51.7	41.3	10.43	4.960			
3,100.0	3,093.2	3,100.8	3,096.6	6.3	5.9	-177.28	7.8	124.4	53.1	42.4	10.78	4.928			
3,200.0	3,192.9	3,200.8	3,196.4	6.5	6.1	-177.23	8.2	130.8	54.5	43.4	11.13	4.899			
3,300.0	3,292.6	3,300.8	3,296.2	6.7	6.3	-177.18	8.6	137.1	55.9	44.4	11.48	4.871			
3,400.0	3,392.3	3,400.8	3,396.0	6.9	6.5	-177.13	9.0	143.5	57.3	45.5	11.83	4.845			
3,500.0	3,492.0	3,500.8	3,495.7	7.1	6.7	-177.08	9.3	149.8	58.7	46.5	12.18	4.821			
3,600.0	3,591.7	3,600.8	3,595.5	7.3	6.9	-177.04	9.7	156.2	60.1	47.6	12.53	4.797			
3,700.0	3,691.4	3,700.8	3,695.3	7.6	7.1	-176.99	10.1	162.6	61.5	48.6	12.88	4.775			
3,800.0	3,791.1	3,800.7	3,795.1	7.8	7.3	-176.95	10.5	168.9	62.9	49.7	13.23	4.755			
3,900.0	3,890.8	3,900.7	3,894.9	8.0	7.5	-176.92	10.9	175.3	64.3	50.7	13.58	4.735			
4,000.0	3,990.5	4,000.7	3,994.7	8.2	7.7	-176.88	11.3	181.7	65.7	51.8	13.93	4.716			
4,100.0	4,090.2	4,100.7	4,094.5	8.4	8.0	-176.84	11.7	188.0	67.1	52.8	14.28	4.698			
4,200.0	4,189.9	4,200.7	4,194.2	8.7	8.2	-176.81	12.1	194.4	68.5	53.9	14.63	4.681			
4,300.0	4,289.6	4,300.7	4,294.0	8.9	8.4	-176.78	12.4	200.7	69.9	54.9	14.98	4.665			
4,400.0	4,389.3	4,400.7	4,393.8	9.1	8.6	-176.75	12.8	207.1	71.3	55.9	15.33	4.650			
4,500.0	4,489.0	4,500.7	4,493.6	9.3	8.8	-176.72	13.2	213.5	72.7	57.0	15.68	4.635			
4,600.0	4,588.7	4,600.7	4,593.4	9.6	9.0	-176.69	13.6	219.8	74.1	58.0	16.03	4.621			
4,700.0	4,688.4	4,700.7	4,693.2	9.8	9.2	-176.66	14.0	226.2	75.5	59.1	16.38	4.607			
4,800.0	4,788.1	4,800.7	4,793.0	10.0	9.4	-176.63	14.4	232.5	76.9	60.1	16.73	4.594			
4,900.0	4,887.8	4,900.6	4,892.8	10.2	9.6	-176.61	14.8	238.9	78.3	61.2	17.08	4.582			
5,000.0	4,987.5	5,000.6	4,992.5	10.4	9.8	-176.58	15.2	245.3	79.6	62.2	17.43	4.570			

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1F-19H-B2686 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,087.2	5,100.6	5,092.3	10.7	10.0	-176.56	15.5	251.6	81.0	63.3	17.78	4.559		
5,200.0	5,186.9	5,200.6	5,192.1	10.9	10.2	-176.53	15.9	258.0	82.4	64.3	18.13	4.548		
5,300.0	5,286.6	5,300.6	5,291.9	11.1	10.4	-176.51	16.3	264.3	83.8	65.4	18.48	4.537		
5,400.0	5,386.3	5,400.6	5,391.7	11.3	10.6	-176.49	16.7	270.7	85.2	66.4	18.83	4.527		
5,500.0	5,486.0	5,500.6	5,491.5	11.5	10.8	-176.47	17.1	277.1	86.6	67.4	19.18	4.517		
5,600.0	5,585.7	5,600.6	5,591.3	11.8	11.0	-176.45	17.5	283.4	88.0	68.5	19.53	4.508		
5,700.0	5,685.4	5,700.6	5,691.1	12.0	11.3	-176.43	17.9	289.8	89.4	69.5	19.88	4.498		
5,800.0	5,785.1	5,800.6	5,790.8	12.2	11.5	-176.41	18.3	296.1	90.8	70.6	20.23	4.490		
5,900.0	5,884.8	5,900.5	5,890.6	12.4	11.7	-176.39	18.6	302.5	92.2	71.6	20.58	4.481		
6,000.0	5,984.5	6,000.5	5,990.4	12.6	11.9	-176.37	19.0	308.9	93.6	72.7	20.93	4.473		
6,100.0	6,084.2	6,100.5	6,090.2	12.9	12.1	-176.35	19.4	315.2	95.0	73.7	21.28	4.465		
6,200.0	6,183.9	6,200.5	6,190.0	13.1	12.3	-176.34	19.8	321.6	96.4	74.8	21.63	4.457		
6,300.0	6,283.6	6,300.5	6,289.8	13.3	12.5	-176.32	20.2	327.9	97.8	75.8	21.98	4.450		
6,400.0	6,383.3	6,400.5	6,389.6	13.5	12.7	-176.30	20.6	334.3	99.2	76.9	22.33	4.442		
6,500.0	6,483.0	6,500.5	6,489.3	13.7	12.9	-176.29	21.0	340.7	100.6	77.9	22.68	4.435		
6,600.0	6,582.7	6,600.5	6,589.1	14.0	13.1	-176.27	21.3	347.0	102.0	78.9	23.03	4.429		
6,700.0	6,682.4	6,700.5	6,688.9	14.2	13.3	-177.97	18.6	353.4	103.3	80.0	23.36	4.424		
6,736.4	6,718.6	6,736.5	6,724.5	14.3	13.4	179.70	14.5	355.7	104.0	80.5	23.48	4.428		
6,750.0	6,732.2	6,750.0	6,737.9	14.3	13.4	164.76	12.5	356.5	104.3	80.7	23.53	4.431		
6,800.0	6,782.0	6,798.6	6,785.5	14.4	13.5	124.70	3.2	359.6	105.7	81.9	23.76	4.447		
6,850.0	6,831.5	6,847.0	6,832.1	14.5	13.6	105.43	-9.2	362.5	107.5	83.4	24.06	4.468		
6,900.0	6,880.4	6,894.9	6,877.4	14.6	13.7	94.49	-24.6	365.4	109.7	85.3	24.41	4.493		
6,950.0	6,928.6	6,942.4	6,921.1	14.7	13.8	87.02	-42.8	368.2	112.2	87.4	24.81	4.522		
7,000.0	6,975.7	6,989.5	6,963.3	14.9	14.0	81.33	-63.7	370.9	115.0	89.7	25.24	4.555		
7,050.0	7,021.6	7,036.2	7,003.6	15.0	14.1	76.71	-87.1	373.5	117.9	92.2	25.67	4.593		
7,100.0	7,066.1	7,082.6	7,042.1	15.1	14.3	72.84	-112.9	375.9	121.0	94.9	26.10	4.636		
7,150.0	7,108.8	7,128.6	7,078.5	15.3	14.4	69.53	-140.9	378.2	124.2	97.7	26.51	4.684		
7,200.0	7,149.7	7,174.4	7,112.9	15.4	14.6	66.66	-171.1	380.4	127.3	100.5	26.89	4.736		
7,250.0	7,188.5	7,219.9	7,145.0	15.6	14.9	64.16	-203.1	382.5	130.5	103.3	27.23	4.792		
7,300.0	7,225.0	7,265.1	7,175.0	15.9	15.1	61.98	-237.0	384.4	133.6	106.0	27.54	4.850		
7,350.0	7,259.1	7,310.1	7,202.6	16.1	15.4	60.07	-272.4	386.1	136.5	108.7	27.82	4.908		
7,400.0	7,290.5	7,354.8	7,227.7	16.4	15.7	58.41	-309.4	387.7	139.3	111.2	28.06	4.964		
7,450.0	7,319.1	7,400.0	7,250.8	16.7	16.0	56.96	-348.2	389.2	141.9	113.6	28.29	5.016		
7,500.0	7,344.9	7,443.8	7,270.7	17.1	16.4	55.74	-387.2	390.5	144.3	115.8	28.50	5.062		
7,550.0	7,367.6	7,488.0	7,288.5	17.5	16.8	54.69	-427.7	391.6	146.4	117.7	28.71	5.100		
7,600.0	7,387.1	7,532.1	7,303.6	17.9	17.2	53.81	-469.1	392.6	148.3	119.4	28.92	5.127		
7,650.0	7,403.4	7,576.1	7,316.2	18.4	17.7	53.09	-511.3	393.4	149.9	120.7	29.15	5.141		
7,700.0	7,416.4	7,620.0	7,326.1	18.9	18.1	52.52	-554.0	394.0	151.2	121.8	29.41	5.141		
7,750.0	7,426.0	7,663.9	7,333.3	19.4	18.6	52.10	-597.2	394.5	152.1	122.5	29.69	5.124		
7,800.0	7,432.2	7,707.7	7,338.0	20.0	19.1	51.82	-640.8	394.8	152.8	122.8	30.02	5.090		
7,850.0	7,434.9	7,751.4	7,339.9	20.5	19.6	51.68	-684.5	394.9	153.1	122.7	30.40	5.037		
7,863.7	7,435.0	7,763.7	7,340.0	20.7	19.8	51.67	-696.7	394.9	153.2	122.7	30.52	5.019		
7,900.0	7,435.0	7,800.0	7,340.0	21.1	20.2	51.67	-733.0	394.9	153.2	121.9	31.28	4.896		
8,000.0	7,435.0	7,900.0	7,340.0	22.4	21.5	51.67	-833.0	394.9	153.2	119.7	33.45	4.579		
8,100.0	7,435.0	8,000.0	7,340.0	23.7	22.9	51.67	-933.0	394.9	153.2	117.5	35.70	4.291		
8,200.0	7,435.0	8,100.0	7,340.0	25.0	24.3	51.67	-1,033.0	394.9	153.2	115.2	38.02	4.029		
8,300.0	7,435.0	8,200.0	7,340.0	26.4	25.7	51.67	-1,133.0	394.9	153.2	112.8	40.39	3.792		
8,400.0	7,435.0	8,300.0	7,340.0	27.9	27.2	51.67	-1,233.0	394.9	153.2	110.4	42.81	3.578		
8,500.0	7,435.0	8,400.0	7,340.0	29.4	28.7	51.67	-1,333.0	394.9	153.2	107.9	45.27	3.384		
8,600.0	7,435.0	8,500.0	7,340.0	30.9	30.3	51.67	-1,433.0	394.9	153.2	105.4	47.76	3.207		
8,700.0	7,435.0	8,600.0	7,340.0	32.4	31.8	51.67	-1,533.0	394.9	153.2	102.9	50.28	3.046		
8,800.0	7,435.0	8,700.0	7,340.0	34.0	33.4	51.67	-1,633.0	394.9	153.2	100.3	52.83	2.900		

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1F-19H-B2686 - Hz - Plan #2												Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)			
8,900.0	7,435.0	8,800.0	7,340.0	35.5	35.0	51.67	-1,733.0	394.9	153.2	97.8	55.39	2.765	
9,000.0	7,435.0	8,900.0	7,340.0	37.1	36.6	51.67	-1,833.0	394.9	153.2	95.2	57.98	2.642	
9,100.0	7,435.0	9,000.0	7,340.0	38.7	38.2	51.67	-1,933.0	394.9	153.2	92.6	60.58	2.529	
9,200.0	7,435.0	9,100.0	7,340.0	40.4	39.9	51.67	-2,033.0	394.9	153.2	90.0	63.19	2.424	
9,300.0	7,435.0	9,200.0	7,340.0	42.0	41.5	51.67	-2,133.0	394.9	153.2	87.4	65.81	2.327	
9,400.0	7,435.0	9,300.0	7,340.0	43.6	43.2	51.67	-2,233.0	394.9	153.2	84.7	68.45	2.238	
9,500.0	7,435.0	9,400.0	7,340.0	45.3	44.8	51.67	-2,333.0	394.9	153.2	82.1	71.10	2.154	
9,600.0	7,435.0	9,500.0	7,340.0	46.9	46.5	51.67	-2,433.0	394.9	153.2	79.4	73.75	2.077	
9,700.0	7,435.0	9,600.0	7,340.0	48.6	48.2	51.67	-2,533.0	394.9	153.2	76.8	76.41	2.005	
9,800.0	7,435.0	9,700.0	7,340.0	50.2	49.9	51.67	-2,633.0	394.9	153.2	74.1	79.08	1.937	
9,900.0	7,435.0	9,800.0	7,340.0	51.9	51.6	51.67	-2,733.0	394.9	153.2	71.4	81.76	1.874	
10,000.0	7,435.0	9,900.0	7,340.0	53.6	53.2	51.67	-2,833.0	394.9	153.2	68.7	84.44	1.814	
10,100.0	7,435.0	10,000.0	7,340.0	55.3	54.9	51.67	-2,933.0	394.9	153.2	66.1	87.12	1.758	
10,200.0	7,435.0	10,100.0	7,340.0	57.0	56.6	51.67	-3,033.0	394.9	153.2	63.4	89.81	1.705	
10,300.0	7,435.0	10,200.0	7,340.0	58.7	58.3	51.67	-3,133.0	394.9	153.2	60.7	92.51	1.656	
10,400.0	7,435.0	10,300.0	7,340.0	60.4	60.0	51.67	-3,233.0	394.9	153.2	58.0	95.21	1.609	
10,500.0	7,435.0	10,400.0	7,340.0	62.1	61.7	51.67	-3,333.0	394.9	153.2	55.3	97.91	1.564	
10,600.0	7,435.0	10,500.0	7,340.0	63.8	63.4	51.67	-3,433.0	394.9	153.2	52.6	100.62	1.522	
10,700.0	7,435.0	10,600.0	7,340.0	65.5	65.2	51.67	-3,533.0	394.9	153.2	49.9	103.32	1.482	Level 3
10,800.0	7,435.0	10,700.0	7,340.0	67.2	66.9	51.67	-3,633.0	394.9	153.2	47.1	106.04	1.445	Level 3
10,900.0	7,435.0	10,800.0	7,340.0	68.9	68.6	51.67	-3,733.0	394.9	153.2	44.4	108.75	1.409	Level 3
11,000.0	7,435.0	10,900.0	7,340.0	70.6	70.3	51.67	-3,833.0	394.9	153.2	41.7	111.47	1.374	Level 3
11,100.0	7,435.0	11,000.0	7,340.0	72.3	72.0	51.67	-3,933.0	394.9	153.2	39.0	114.18	1.341	Level 3
11,200.0	7,435.0	11,100.0	7,340.0	74.0	73.7	51.67	-4,033.0	394.9	153.2	36.3	116.90	1.310	Level 3
11,300.0	7,435.0	11,200.0	7,340.0	75.7	75.5	51.67	-4,133.0	394.9	153.2	33.5	119.63	1.280	Level 3
11,363.7	7,435.0	11,263.7	7,340.0	76.8	76.6	51.67	-4,196.7	394.9	153.2	31.8	121.36	1.262	Level 3
11,400.0	7,435.0	11,299.9	7,340.0	77.4	77.2	51.75	-4,233.0	394.9	153.5	30.7	122.74	1.250	Level 3
11,500.0	7,435.0	11,399.8	7,340.0	79.2	78.9	52.82	-4,332.9	394.9	157.5	29.9	127.59	1.235	Level 2, SF
11,600.0	7,435.0	11,499.2	7,340.0	80.9	80.6	54.92	-4,432.2	394.9	166.4	32.7	133.66	1.245	Level 2
11,700.0	7,435.0	11,597.8	7,340.0	82.6	82.3	57.72	-4,530.8	394.9	180.4	40.2	140.25	1.286	Level 3
11,800.0	7,435.0	11,695.2	7,340.0	84.4	84.0	60.83	-4,628.2	394.9	200.0	53.4	146.58	1.364	Level 3
11,900.0	7,435.0	11,791.1	7,340.0	86.1	85.7	63.92	-4,724.1	394.9	225.3	73.2	152.06	1.481	Level 3
11,962.7	7,435.0	11,850.3	7,340.0	87.2	86.7	65.76	-4,783.3	394.9	244.1	89.2	154.90	1.576	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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	87.90	0.4	10.1	10.1					
100.0	100.0	100.0	100.0	0.2	0.2	87.90	0.4	10.1	10.1	9.8	0.30	33.169		
200.0	200.0	200.0	200.0	0.3	0.3	87.90	0.4	10.1	10.1	9.4	0.65	15.431		
300.0	300.0	300.0	300.0	0.5	0.5	87.90	0.4	10.1	10.1	9.1	1.00	10.055		
400.0	400.0	400.0	400.0	0.7	0.7	87.90	0.4	10.1	10.1	8.7	1.35	7.457		
500.0	500.0	500.0	500.0	0.8	0.8	87.90	0.4	10.1	10.1	8.4	1.70	5.925		
600.0	600.0	600.0	600.0	1.0	1.0	87.90	0.4	10.1	10.1	8.0	2.05	4.916 CC, ES		
700.0	700.0	699.6	699.6	1.2	1.2	87.84	0.4	11.8	11.8	9.4	2.40	4.924		
800.0	800.0	799.1	798.9	1.4	1.4	0.18	0.7	17.0	15.3	12.5	2.74	5.567		
900.0	899.8	898.4	897.9	1.6	1.6	0.10	1.1	25.6	18.7	15.6	3.09	6.060		
922.5	922.3	920.8	920.1	1.6	1.6	0.08	1.2	28.0	19.5	16.3	3.17	6.156		
1,000.0	999.5	997.9	996.7	1.8	1.8	0.03	1.6	37.4	23.0	19.5	3.44	6.679		
1,100.0	1,099.2	1,097.8	1,095.7	2.0	2.1	-0.02	2.1	50.0	27.8	24.0	3.79	7.342		
1,200.0	1,198.9	1,197.7	1,194.8	2.2	2.3	-0.05	2.7	62.5	32.7	28.5	4.14	7.893		
1,300.0	1,298.6	1,297.5	1,293.9	2.4	2.6	-0.08	3.2	75.1	37.5	33.0	4.49	8.358		
1,400.0	1,398.3	1,397.4	1,393.0	2.6	2.8	-0.10	3.8	87.6	42.3	37.5	4.84	8.756		
1,500.0	1,498.0	1,497.3	1,492.1	2.8	3.1	-0.11	4.3	100.2	47.2	42.0	5.19	9.100		
1,600.0	1,597.7	1,597.2	1,591.2	3.0	3.4	-0.12	4.9	112.7	52.0	46.5	5.54	9.401		
1,700.0	1,697.4	1,697.1	1,690.3	3.2	3.6	-0.13	5.4	125.3	56.9	51.0	5.88	9.666		
1,800.0	1,797.1	1,797.0	1,789.4	3.4	3.9	-0.14	6.0	137.8	61.7	55.5	6.23	9.902		
1,900.0	1,896.8	1,896.8	1,888.5	3.6	4.2	-0.15	6.6	150.4	66.6	60.0	6.58	10.112		
2,000.0	1,996.5	1,996.7	1,987.5	3.9	4.4	-0.16	7.1	162.9	71.4	64.5	6.93	10.302		
2,100.0	2,096.2	2,096.6	2,086.6	4.1	4.7	-0.16	7.7	175.5	76.3	69.0	7.28	10.473		
2,200.0	2,195.9	2,196.5	2,185.7	4.3	5.0	-0.17	8.2	188.0	81.1	73.5	7.63	10.628		
2,300.0	2,295.6	2,296.4	2,284.8	4.5	5.3	-0.17	8.8	200.6	86.0	78.0	7.98	10.770		
2,400.0	2,395.3	2,396.3	2,383.9	4.7	5.6	-0.18	9.3	213.2	90.8	82.5	8.33	10.901		
2,500.0	2,495.0	2,496.1	2,483.0	4.9	5.8	-0.18	9.9	225.7	95.6	87.0	8.68	11.020		
2,600.0	2,594.7	2,596.0	2,582.1	5.2	6.1	-0.18	10.4	238.3	100.5	91.5	9.03	11.131		
2,700.0	2,694.4	2,695.9	2,681.2	5.4	6.4	-0.19	11.0	250.8	105.3	96.0	9.38	11.233		
2,800.0	2,794.1	2,795.8	2,780.3	5.6	6.7	-0.19	11.5	263.4	110.2	100.5	9.73	11.327		
2,900.0	2,893.8	2,895.7	2,879.3	5.8	6.9	-0.19	12.1	275.9	115.0	105.0	10.08	11.416		
3,000.0	2,993.5	2,995.6	2,978.4	6.0	7.2	-0.19	12.6	288.5	119.9	109.5	10.43	11.498		
3,100.0	3,093.2	3,095.4	3,077.5	6.3	7.5	-0.20	13.2	301.0	124.7	113.9	10.78	11.575		
3,200.0	3,192.9	3,195.3	3,176.6	6.5	7.8	-0.20	13.7	313.6	129.6	118.4	11.12	11.647		
3,300.0	3,292.6	3,295.2	3,275.7	6.7	8.1	-0.20	14.3	326.1	134.4	122.9	11.47	11.715		
3,400.0	3,392.3	3,395.1	3,374.8	6.9	8.3	-0.20	14.9	338.7	139.3	127.4	11.82	11.779		
3,500.0	3,492.0	3,495.0	3,473.9	7.1	8.6	-0.20	15.4	351.3	144.1	131.9	12.17	11.839		
3,600.0	3,591.7	3,594.8	3,573.0	7.3	8.9	-0.20	16.0	363.8	149.0	136.4	12.52	11.896		
3,700.0	3,691.4	3,694.7	3,672.1	7.6	9.2	-0.21	16.5	376.4	153.8	140.9	12.87	11.949		
3,800.0	3,791.1	3,794.6	3,771.1	7.8	9.5	-0.21	17.1	388.9	158.6	145.4	13.22	12.000		
3,900.0	3,890.8	3,894.5	3,870.2	8.0	9.7	-0.21	17.6	401.5	163.5	149.9	13.57	12.049		
4,000.0	3,990.5	3,994.4	3,969.3	8.2	10.0	-0.21	18.2	414.0	168.3	154.4	13.92	12.094		
4,100.0	4,090.2	4,094.3	4,068.4	8.4	10.3	-0.21	18.7	426.6	173.2	158.9	14.27	12.138		
4,200.0	4,189.9	4,194.1	4,167.5	8.7	10.6	-0.21	19.3	439.1	178.0	163.4	14.62	12.179		
4,300.0	4,289.6	4,294.0	4,266.6	8.9	10.9	-0.21	19.8	451.7	182.9	167.9	14.97	12.219		
4,400.0	4,389.3	4,393.9	4,365.7	9.1	11.1	-0.21	20.4	464.2	187.7	172.4	15.32	12.257		
4,500.0	4,489.0	4,493.8	4,464.8	9.3	11.4	-0.21	20.9	476.8	192.6	176.9	15.66	12.293		
4,600.0	4,588.7	4,593.7	4,563.9	9.6	11.7	-0.21	21.5	489.4	197.4	181.4	16.01	12.327		
4,700.0	4,688.4	4,693.6	4,662.9	9.8	12.0	-0.22	22.0	501.9	202.3	185.9	16.36	12.360		
4,800.0	4,788.1	4,793.4	4,762.0	10.0	12.3	-0.22	22.6	514.5	207.1	190.4	16.71	12.392		
4,900.0	4,887.8	4,893.3	4,861.1	10.2	12.5	-0.22	23.2	527.0	211.9	194.9	17.06	12.422		
5,000.0	4,987.5	4,993.2	4,960.2	10.4	12.8	-0.22	23.7	539.6	216.8	199.4	17.41	12.452		

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1H-19H-B2684 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,087.2	5,093.1	5,059.3	10.7	13.1	-0.22	24.3	552.1	221.6	203.9	17.76	12.480		
5,200.0	5,186.9	5,193.0	5,158.4	10.9	13.4	-0.22	24.8	564.7	226.5	208.4	18.11	12.507		
5,300.0	5,286.6	5,292.9	5,257.5	11.1	13.7	-0.22	25.4	577.2	231.3	212.9	18.46	12.532		
5,400.0	5,386.3	5,392.7	5,356.6	11.3	13.9	-0.22	25.9	589.8	236.2	217.4	18.81	12.557		
5,500.0	5,486.0	5,492.6	5,455.7	11.5	14.2	-0.22	26.5	602.3	241.0	221.9	19.16	12.581		
5,600.0	5,585.7	5,592.5	5,554.7	11.8	14.5	-0.22	27.0	614.9	245.9	226.4	19.51	12.605		
5,700.0	5,685.4	5,692.4	5,653.8	12.0	14.8	-0.22	27.6	627.5	250.7	230.9	19.86	12.627		
5,800.0	5,785.1	5,792.3	5,752.9	12.2	15.1	-0.22	28.1	640.0	255.6	235.4	20.20	12.649		
5,900.0	5,884.8	5,892.1	5,852.0	12.4	15.3	-0.22	28.7	652.6	260.4	239.8	20.55	12.669		
6,000.0	5,984.5	5,992.0	5,951.1	12.6	15.6	-0.22	29.2	665.1	265.2	244.3	20.90	12.690		
6,100.0	6,084.2	6,091.9	6,050.2	12.9	15.9	-0.22	29.8	677.7	270.1	248.8	21.25	12.709		
6,200.0	6,183.9	6,191.8	6,149.3	13.1	16.2	-0.22	30.3	690.2	274.9	253.3	21.60	12.728		
6,300.0	6,283.6	6,291.7	6,248.4	13.3	16.5	-0.22	30.9	702.8	279.8	257.8	21.95	12.746		
6,400.0	6,383.3	6,391.6	6,347.5	13.5	16.8	-0.22	31.4	715.3	284.6	262.3	22.30	12.764		
6,500.0	6,483.0	6,491.4	6,446.5	13.7	17.0	-0.23	32.0	727.9	289.5	266.8	22.65	12.781		
6,600.0	6,582.7	6,591.3	6,545.6	14.0	17.3	-0.23	32.6	740.4	294.3	271.3	23.00	12.798		
6,700.0	6,682.4	6,691.2	6,644.7	14.2	17.6	-0.23	33.1	753.0	299.2	275.8	23.35	12.814		
6,736.4	6,718.6	6,727.5	6,680.8	14.3	17.7	-0.23	33.3	757.6	300.9	277.5	23.47	12.820		
6,750.0	6,732.2	6,741.1	6,694.3	14.3	17.7	-14.07	33.4	759.3	301.6	278.1	23.52	12.822		
6,800.0	6,782.0	6,791.0	6,743.7	14.4	17.9	-50.62	33.7	765.5	304.2	280.5	23.70	12.835		
6,850.0	6,831.5	6,840.5	6,792.9	14.5	18.0	-67.16	33.9	771.8	307.0	283.1	23.88	12.855		
6,900.0	6,880.4	6,889.5	6,841.4	14.6	18.2	-76.10	34.2	777.9	310.2	286.1	24.08	12.883		
6,950.0	6,928.6	6,940.4	6,891.9	14.7	18.3	-82.21	33.3	784.3	314.0	289.7	24.32	12.911		
7,000.0	6,975.7	6,992.7	6,943.6	14.9	18.4	-86.75	28.7	790.8	318.2	293.6	24.61	12.931		
7,050.0	7,021.6	7,046.0	6,995.8	15.0	18.6	-90.37	20.1	797.4	322.6	297.7	24.93	12.940		
7,100.0	7,066.1	7,100.4	7,048.2	15.1	18.7	-93.40	7.3	804.0	327.3	302.0	25.30	12.938		
7,150.0	7,108.8	7,155.9	7,100.6	15.3	18.9	-96.01	-9.8	810.5	332.1	306.4	25.71	12.921		
7,200.0	7,149.7	7,212.4	7,152.4	15.4	19.0	-98.31	-31.5	817.0	337.1	310.9	26.15	12.890		
7,250.0	7,188.5	7,270.1	7,203.4	15.6	19.2	-100.35	-57.7	823.3	342.0	315.4	26.63	12.844		
7,300.0	7,225.0	7,328.9	7,253.0	15.9	19.4	-102.16	-88.5	829.4	346.9	319.7	27.14	12.782		
7,350.0	7,259.1	7,388.7	7,300.8	16.1	19.6	-103.77	-124.1	835.3	351.6	323.9	27.68	12.703		
7,400.0	7,290.5	7,449.7	7,346.2	16.4	19.9	-105.19	-164.3	840.8	356.1	327.8	28.25	12.606		
7,450.0	7,319.1	7,511.6	7,388.8	16.7	20.1	-106.44	-209.0	846.0	360.2	331.4	28.85	12.487		
7,500.0	7,344.9	7,574.6	7,427.9	17.1	20.5	-107.51	-258.0	850.7	364.0	334.5	29.48	12.346		
7,550.0	7,367.6	7,638.3	7,463.1	17.5	20.8	-108.42	-311.0	854.9	367.3	337.1	30.15	12.184		
7,600.0	7,387.1	7,702.9	7,493.7	17.9	21.2	-109.17	-367.7	858.5	370.1	339.2	30.85	11.998		
7,650.0	7,403.4	7,768.0	7,519.5	18.4	21.7	-109.75	-427.4	861.4	372.3	340.7	31.59	11.784		
7,700.0	7,416.4	7,833.7	7,539.8	18.9	22.2	-110.17	-489.8	863.7	373.9	341.5	32.38	11.547		
7,750.0	7,426.0	7,899.6	7,554.5	19.4	22.8	-110.43	-554.0	865.2	374.8	341.6	33.21	11.286		
7,800.0	7,432.2	7,965.8	7,563.3	20.0	23.4	-110.53	-619.6	866.0	375.1	341.0	34.09	11.001		
7,850.0	7,434.9	8,031.1	7,566.0	20.5	24.0	-110.48	-684.8	866.0	374.7	339.6	35.02	10.699		
7,863.7	7,435.0	8,044.8	7,566.0	20.7	24.2	-110.47	-698.5	865.9	374.5	339.3	35.22	10.633		
7,900.0	7,435.0	8,081.1	7,566.0	21.1	24.5	-110.48	-734.8	865.7	374.4	338.2	36.13	10.362		
8,000.0	7,435.0	8,181.1	7,566.0	22.4	25.6	-110.51	-834.8	865.2	373.9	335.2	38.69	9.663		
8,100.0	7,435.0	8,281.1	7,566.0	23.7	26.8	-110.54	-934.8	864.7	373.4	332.0	41.36	9.028		
8,200.0	7,435.0	8,381.1	7,566.0	25.0	28.0	-110.57	-1,034.8	864.2	372.9	328.8	44.11	8.455		
8,300.0	7,435.0	8,481.1	7,566.0	26.4	29.2	-110.59	-1,134.8	863.7	372.4	325.5	46.92	7.937		
8,400.0	7,435.0	8,581.1	7,566.0	27.9	30.5	-110.62	-1,234.8	863.2	371.9	322.1	49.80	7.469		
8,500.0	7,435.0	8,681.1	7,566.0	29.4	31.9	-110.65	-1,334.8	862.6	371.5	318.7	52.71	7.047		
8,600.0	7,435.0	8,781.1	7,566.0	30.9	33.3	-110.68	-1,434.8	862.1	371.0	315.3	55.67	6.664		
8,700.0	7,435.0	8,881.1	7,566.0	32.4	34.7	-110.71	-1,534.8	861.6	370.5	311.8	58.66	6.316		
8,800.0	7,435.0	8,981.1	7,566.0	34.0	36.2	-110.73	-1,634.8	861.1	370.0	308.3	61.68	5.999		

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Cathedral Energy Services

Anticollision Report

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Site Error:	0.0ft	North Reference:	True
Reference Well:	Regnier 1G-19H-B2685	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	
8,900.0	7,435.0	9,081.1	7,566.0	35.5	37.7	-110.76	-1,734.8	860.6	369.5	304.8	64.72	5.709	
9,000.0	7,435.0	9,181.1	7,566.0	37.1	39.2	-110.79	-1,834.8	860.1	369.0	301.3	67.78	5.444	
9,100.0	7,435.0	9,281.1	7,566.0	38.7	40.7	-110.82	-1,934.8	859.5	368.6	297.7	70.86	5.201	
9,200.0	7,435.0	9,381.1	7,566.0	40.4	42.2	-110.85	-2,034.8	859.0	368.1	294.1	73.96	4.977	
9,300.0	7,435.0	9,481.1	7,566.0	42.0	43.8	-110.88	-2,134.8	858.5	367.6	290.5	77.07	4.770	
9,400.0	7,435.0	9,581.1	7,566.0	43.6	45.4	-110.91	-2,234.8	858.0	367.1	286.9	80.19	4.578	
9,500.0	7,435.0	9,681.1	7,566.0	45.3	46.9	-110.93	-2,334.8	857.5	366.6	283.3	83.32	4.400	
9,600.0	7,435.0	9,781.1	7,566.0	46.9	48.5	-110.96	-2,434.8	857.0	366.2	279.7	86.46	4.235	
9,700.0	7,435.0	9,881.1	7,566.0	48.6	50.1	-110.99	-2,534.8	856.5	365.7	276.1	89.60	4.081	
9,800.0	7,435.0	9,981.1	7,566.0	50.2	51.8	-111.02	-2,634.8	855.9	365.2	272.4	92.76	3.937	
9,900.0	7,435.0	10,081.1	7,566.0	51.9	53.4	-111.05	-2,734.8	855.4	364.7	268.8	95.92	3.802	
10,000.0	7,435.0	10,181.1	7,566.0	53.6	55.0	-111.08	-2,834.8	854.9	364.2	265.2	99.08	3.676	
10,100.0	7,435.0	10,281.1	7,566.0	55.3	56.7	-111.11	-2,934.7	854.4	363.8	261.5	102.25	3.557	
10,200.0	7,435.0	10,381.1	7,566.0	57.0	58.3	-111.14	-3,034.7	853.9	363.3	257.8	105.42	3.446	
10,300.0	7,435.0	10,481.1	7,566.0	58.7	60.0	-111.17	-3,134.7	853.4	362.8	254.2	108.60	3.341	
10,400.0	7,435.0	10,581.0	7,566.0	60.4	61.6	-111.20	-3,234.7	852.8	362.3	250.5	111.78	3.241	
10,500.0	7,435.0	10,681.0	7,566.0	62.1	63.3	-111.23	-3,334.7	852.3	361.8	246.9	114.96	3.147	
10,600.0	7,435.0	10,781.0	7,566.0	63.8	65.0	-111.26	-3,434.7	851.8	361.3	243.2	118.15	3.058	
10,700.0	7,435.0	10,881.0	7,566.0	65.5	66.6	-111.29	-3,534.7	851.3	360.9	239.5	121.34	2.974	
10,800.0	7,435.0	10,981.0	7,566.0	67.2	68.3	-111.32	-3,634.7	850.8	360.4	235.9	124.53	2.894	
10,900.0	7,435.0	11,081.0	7,566.0	68.9	70.0	-111.35	-3,734.7	850.3	359.9	232.2	127.72	2.818	
11,000.0	7,435.0	11,181.0	7,566.0	70.6	71.7	-111.38	-3,834.7	849.8	359.4	228.5	130.91	2.746	
11,100.0	7,435.0	11,281.0	7,566.0	72.3	73.4	-111.41	-3,934.7	849.2	358.9	224.8	134.10	2.677	
11,200.0	7,435.0	11,381.0	7,566.0	74.0	75.0	-111.44	-4,034.7	848.7	358.5	221.2	137.30	2.611	
11,300.0	7,435.0	11,481.0	7,566.0	75.7	76.7	-111.47	-4,134.7	848.2	358.0	217.5	140.49	2.548	
11,363.7	7,435.0	11,544.8	7,566.0	76.8	77.8	-111.48	-4,198.4	847.9	357.7	215.2	142.53	2.510	
11,400.0	7,435.0	11,581.0	7,566.0	77.4	78.4	-111.53	-4,234.7	847.7	357.1	213.0	144.10	2.478	
11,500.0	7,435.0	11,680.9	7,566.0	79.2	80.1	-111.93	-4,334.5	847.2	351.9	204.1	147.82	2.381	
11,600.0	7,435.0	11,780.2	7,566.0	80.9	81.8	-112.78	-4,433.9	846.7	341.3	190.8	150.55	2.267	
11,700.0	7,435.0	11,878.7	7,566.0	82.6	83.5	-114.18	-4,532.3	846.2	325.4	173.3	152.08	2.140	
11,800.0	7,435.0	11,975.9	7,566.0	84.4	85.2	-116.27	-4,629.6	845.7	304.4	152.3	152.09	2.002	
11,900.0	7,435.0	12,071.7	7,566.0	86.1	86.8	-119.30	-4,725.4	845.2	278.7	128.7	150.01	1.858	
11,962.7	7,435.0	12,125.7	7,566.0	87.2	87.7	-121.64	-4,779.3	844.9	260.5	113.0	147.47	1.766 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1I-19H-B2683 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	87.93	0.7	20.1	20.1						
100.0	100.0	100.0	100.0	0.2	0.2	87.93	0.7	20.1	20.1	19.8	0.30	66.336			
200.0	200.0	200.0	200.0	0.3	0.3	87.93	0.7	20.1	20.1	19.5	0.65	30.862			
300.0	300.0	300.0	300.0	0.5	0.5	87.93	0.7	20.1	20.1	19.1	1.00	20.109			
400.0	400.0	400.0	400.0	0.7	0.7	87.93	0.7	20.1	20.1	18.8	1.35	14.913			
500.0	500.0	500.0	500.0	0.8	0.8	87.93	0.7	20.1	20.1	18.4	1.70	11.851	CC, ES		
600.0	600.0	599.3	599.2	1.0	1.0	87.89	0.8	21.9	21.9	19.8	2.05	10.675			
700.0	700.0	698.3	698.1	1.2	1.2	87.81	1.0	27.0	27.1	24.7	2.41	11.238			
800.0	800.0	797.0	796.5	1.4	1.4	0.17	1.4	35.5	34.0	31.2	2.74	12.389			
900.0	899.8	895.5	894.2	1.6	1.7	0.11	1.9	47.4	40.8	37.7	3.09	13.226			
922.5	922.3	917.7	916.2	1.6	1.7	0.10	2.1	50.5	42.3	39.2	3.16	13.387			
1,000.0	999.5	995.0	992.7	1.8	1.9	0.07	2.6	61.6	47.5	44.1	3.43	13.843			
1,100.0	1,099.2	1,094.7	1,091.4	2.0	2.2	0.04	3.2	76.0	54.2	50.5	3.78	14.335			
1,200.0	1,198.9	1,194.5	1,190.2	2.2	2.5	0.01	3.8	90.4	60.9	56.8	4.13	14.744			
1,300.0	1,298.6	1,294.3	1,288.9	2.4	2.8	-0.01	4.5	104.8	67.6	63.2	4.48	15.090			
1,400.0	1,398.3	1,394.1	1,387.6	2.6	3.0	-0.03	5.1	119.1	74.3	69.5	4.83	15.386			
1,500.0	1,498.0	1,493.8	1,486.3	2.8	3.3	-0.04	5.7	133.5	81.0	75.9	5.18	15.642			
1,600.0	1,597.7	1,593.6	1,585.1	3.0	3.6	-0.06	6.4	147.9	87.7	82.2	5.53	15.866			
1,700.0	1,697.4	1,693.4	1,683.8	3.2	3.9	-0.07	7.0	162.3	94.4	88.6	5.88	16.064			
1,800.0	1,797.1	1,793.2	1,782.5	3.4	4.2	-0.07	7.6	176.6	101.1	94.9	6.23	16.239			
1,900.0	1,896.8	1,892.9	1,881.3	3.6	4.5	-0.08	8.3	191.0	107.8	101.3	6.58	16.396			
2,000.0	1,996.5	1,992.7	1,980.0	3.9	4.8	-0.09	8.9	205.4	114.5	107.6	6.93	16.537			
2,100.0	2,096.2	2,092.5	2,078.7	4.1	5.1	-0.10	9.5	219.8	121.3	114.0	7.28	16.664			
2,200.0	2,195.9	2,192.3	2,177.5	4.3	5.4	-0.10	10.2	234.2	128.0	120.3	7.63	16.780			
2,300.0	2,295.6	2,292.1	2,276.2	4.5	5.7	-0.11	10.8	248.5	134.7	126.7	7.97	16.886			
2,400.0	2,395.3	2,391.8	2,374.9	4.7	6.1	-0.11	11.4	262.9	141.4	133.0	8.32	16.983			
2,500.0	2,495.0	2,491.6	2,473.7	4.9	6.4	-0.11	12.1	277.3	148.1	139.4	8.67	17.072			
2,600.0	2,594.7	2,591.4	2,572.4	5.2	6.7	-0.12	12.7	291.7	154.8	145.7	9.02	17.154			
2,700.0	2,694.4	2,691.2	2,671.1	5.4	7.0	-0.12	13.3	306.0	161.5	152.1	9.37	17.231			
2,800.0	2,794.1	2,790.9	2,769.9	5.6	7.3	-0.13	14.0	320.4	168.2	158.4	9.72	17.301			
2,900.0	2,893.8	2,890.7	2,868.6	5.8	7.6	-0.13	14.6	334.8	174.9	164.8	10.07	17.367			
3,000.0	2,993.5	2,990.5	2,967.3	6.0	7.9	-0.13	15.2	349.2	181.6	171.1	10.42	17.428			
3,100.0	3,093.2	3,090.3	3,066.1	6.3	8.2	-0.13	15.9	363.6	188.3	177.5	10.77	17.486			
3,200.0	3,192.9	3,190.0	3,164.8	6.5	8.5	-0.14	16.5	377.9	195.0	183.9	11.12	17.540			
3,300.0	3,292.6	3,289.8	3,263.5	6.7	8.8	-0.14	17.1	392.3	201.7	190.2	11.47	17.590			
3,400.0	3,392.3	3,389.6	3,362.3	6.9	9.1	-0.14	17.8	406.7	208.4	196.6	11.81	17.638			
3,500.0	3,492.0	3,489.4	3,461.0	7.1	9.4	-0.14	18.4	421.1	215.1	202.9	12.16	17.682			
3,600.0	3,591.7	3,589.1	3,559.7	7.3	9.7	-0.14	19.0	435.4	221.8	209.3	12.51	17.725			
3,700.0	3,691.4	3,688.9	3,658.4	7.6	10.0	-0.15	19.7	449.8	228.5	215.6	12.86	17.765			
3,800.0	3,791.1	3,788.7	3,757.2	7.8	10.3	-0.15	20.3	464.2	235.2	222.0	13.21	17.803			
3,900.0	3,890.8	3,888.5	3,855.9	8.0	10.6	-0.15	20.9	478.6	241.9	228.3	13.56	17.839			
4,000.0	3,990.5	3,988.2	3,954.6	8.2	10.9	-0.15	21.6	492.9	248.6	234.7	13.91	17.873			
4,100.0	4,090.2	4,088.0	4,053.4	8.4	11.3	-0.15	22.2	507.3	255.3	241.0	14.26	17.905			
4,200.0	4,189.9	4,187.8	4,152.1	8.7	11.6	-0.15	22.8	521.7	262.0	247.4	14.61	17.936			
4,300.0	4,289.6	4,287.6	4,250.8	8.9	11.9	-0.15	23.5	536.1	268.7	253.7	14.96	17.966			
4,400.0	4,389.3	4,387.3	4,349.6	9.1	12.2	-0.15	24.1	550.5	275.4	260.1	15.30	17.994			
4,500.0	4,489.0	4,487.1	4,448.3	9.3	12.5	-0.16	24.7	564.8	282.1	266.4	15.65	18.021			
4,600.0	4,588.7	4,586.9	4,547.0	9.6	12.8	-0.16	25.4	579.2	288.8	272.8	16.00	18.047			
4,700.0	4,688.4	4,686.7	4,645.8	9.8	13.1	-0.16	26.0	593.6	295.5	279.1	16.35	18.071			
4,800.0	4,788.1	4,786.4	4,744.5	10.0	13.4	-0.16	26.6	608.0	302.2	285.5	16.70	18.095			
4,900.0	4,887.8	4,886.2	4,843.2	10.2	13.7	-0.16	27.3	622.3	308.9	291.8	17.05	18.118			
5,000.0	4,987.5	4,986.0	4,942.0	10.4	14.0	-0.16	27.9	636.7	315.6	298.2	17.40	18.139			

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 1G-19H-B2685
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 1G-19H-B2685	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		
5,100.0	5,087.2	5,085.8	5,040.7	10.7	14.3	-0.16	28.5	651.1	322.3	304.6	17.75	18.160		
5,200.0	5,186.9	5,185.5	5,139.4	10.9	14.6	-0.16	29.1	665.5	329.0	310.9	18.10	18.180		
5,300.0	5,286.6	5,285.3	5,238.2	11.1	14.9	-0.16	29.8	679.8	335.7	317.3	18.45	18.200		
5,400.0	5,386.3	5,385.1	5,336.9	11.3	15.2	-0.16	30.4	694.2	342.4	323.6	18.79	18.218		
5,500.0	5,486.0	5,484.9	5,435.6	11.5	15.5	-0.16	31.0	708.6	349.1	330.0	19.14	18.236		
5,600.0	5,585.7	5,584.6	5,534.4	11.8	15.9	-0.17	31.7	723.0	355.8	336.3	19.49	18.253		
5,700.0	5,685.4	5,684.4	5,633.1	12.0	16.2	-0.17	32.3	737.4	362.5	342.7	19.84	18.270		
5,800.0	5,785.1	5,784.2	5,731.8	12.2	16.5	-0.17	32.9	751.7	369.2	349.0	20.19	18.286		
5,900.0	5,884.8	5,884.0	5,830.6	12.4	16.8	-0.17	33.6	766.1	375.9	355.4	20.54	18.302		
6,000.0	5,984.5	5,983.7	5,929.3	12.6	17.1	-0.17	34.2	780.5	382.6	361.7	20.89	18.317		
6,100.0	6,084.2	6,083.5	6,028.0	12.9	17.4	-0.17	34.8	794.9	389.3	368.1	21.24	18.331		
6,200.0	6,183.9	6,183.3	6,126.7	13.1	17.7	-0.17	35.5	809.2	396.0	374.4	21.59	18.345		
6,300.0	6,283.6	6,283.1	6,225.5	13.3	18.0	-0.17	36.1	823.6	402.7	380.8	21.94	18.359		
6,400.0	6,383.3	6,382.8	6,324.2	13.5	18.3	-0.17	36.7	838.0	409.4	387.1	22.28	18.372		
6,500.0	6,483.0	6,482.6	6,422.9	13.7	18.6	-0.17	37.4	852.4	416.1	393.5	22.63	18.385		
6,600.0	6,582.7	6,582.4	6,521.7	14.0	18.9	-0.17	38.0	866.7	422.8	399.8	22.98	18.397		
6,700.0	6,682.4	6,682.2	6,620.4	14.2	19.2	-0.17	38.6	881.1	429.5	406.2	23.33	18.409		
6,736.4	6,718.6	6,718.9	6,656.8	14.3	19.4	-0.10	38.3	886.4	431.9	408.5	23.46	18.412		
6,750.0	6,732.2	6,732.7	6,670.4	14.3	19.4	-13.82	37.7	888.4	432.8	409.3	23.51	18.414		
6,800.0	6,782.0	6,783.3	6,720.2	14.4	19.5	-49.54	33.3	895.8	436.2	412.5	23.68	18.419		
6,850.0	6,831.5	6,833.7	6,769.4	14.5	19.7	-64.62	25.3	903.1	439.6	415.7	23.86	18.426		
6,900.0	6,880.4	6,883.9	6,817.8	14.6	19.8	-71.56	13.9	910.3	443.0	419.0	24.03	18.432		
6,950.0	6,928.6	6,934.1	6,865.2	14.7	20.0	-75.25	-0.8	917.5	446.5	422.2	24.22	18.437		
7,000.0	6,975.7	6,984.0	6,911.3	14.9	20.2	-77.40	-18.8	924.5	449.9	425.5	24.41	18.433		
7,050.0	7,021.6	7,033.9	6,955.9	15.0	20.3	-78.71	-40.0	931.4	453.3	428.7	24.61	18.418		
7,100.0	7,066.1	7,083.6	6,998.8	15.1	20.5	-79.53	-64.2	938.1	456.7	431.9	24.84	18.385		
7,150.0	7,108.8	7,133.2	7,039.9	15.3	20.7	-80.02	-91.2	944.5	460.0	434.9	25.10	18.327		
7,200.0	7,149.7	7,182.7	7,078.9	15.4	20.9	-80.30	-121.0	950.7	463.3	437.9	25.40	18.237		
7,250.0	7,188.5	7,232.1	7,115.6	15.6	21.1	-80.44	-153.4	956.6	466.5	440.7	25.76	18.110		
7,300.0	7,225.0	7,281.3	7,150.1	15.9	21.3	-80.47	-188.2	962.3	469.6	443.4	26.17	17.941		
7,350.0	7,259.1	7,330.5	7,181.9	16.1	21.5	-80.44	-225.2	967.6	472.5	445.9	26.66	17.724		
7,400.0	7,290.5	7,379.5	7,211.2	16.4	21.8	-80.35	-264.2	972.5	475.4	448.1	27.23	17.459		
7,450.0	7,319.1	7,428.4	7,237.6	16.7	22.1	-80.23	-305.1	977.1	478.0	450.1	27.88	17.145		
7,500.0	7,344.9	7,477.3	7,261.2	17.1	22.4	-80.08	-347.7	981.3	480.5	451.9	28.63	16.786		
7,550.0	7,367.6	7,526.0	7,281.9	17.5	22.7	-79.92	-391.7	985.0	482.9	453.4	29.47	16.386		
7,600.0	7,387.1	7,574.7	7,299.5	17.9	23.1	-79.75	-437.0	988.4	485.0	454.6	30.41	15.951		
7,650.0	7,403.4	7,623.3	7,313.9	18.4	23.5	-79.57	-483.3	991.3	487.0	455.6	31.44	15.491		
7,700.0	7,416.4	7,671.9	7,325.3	18.9	23.9	-79.40	-530.4	993.8	488.8	456.2	32.56	15.011		
7,750.0	7,426.0	7,720.4	7,333.4	19.4	24.3	-79.23	-578.1	995.8	490.3	456.5	33.76	14.522		
7,800.0	7,432.2	7,768.8	7,338.3	20.0	24.7	-79.07	-626.3	997.3	491.6	456.6	35.04	14.030		
7,850.0	7,434.9	7,817.2	7,340.0	20.5	25.2	-78.92	-674.6	998.4	492.7	456.3	36.38	13.544		
7,863.7	7,435.0	7,830.9	7,340.0	20.7	25.3	-78.89	-688.3	998.7	492.9	456.2	36.77	13.408		
7,900.0	7,435.0	7,867.1	7,340.0	21.1	25.7	-78.90	-724.5	999.3	493.6	455.9	37.70	13.091		
8,000.0	7,435.0	7,967.1	7,340.0	22.4	26.7	-78.94	-824.5	1,001.1	495.3	454.9	40.37	12.268		
8,100.0	7,435.0	8,067.1	7,340.0	23.7	27.8	-78.98	-924.5	1,002.8	497.0	453.8	43.15	11.517		
8,200.0	7,435.0	8,167.1	7,340.0	25.0	29.0	-79.02	-1,024.5	1,004.5	498.7	452.7	46.02	10.836		
8,300.0	7,435.0	8,267.1	7,340.0	26.4	30.2	-79.05	-1,124.4	1,006.3	500.4	451.4	48.97	10.220		
8,400.0	7,435.0	8,367.1	7,340.0	27.9	31.5	-79.09	-1,224.4	1,008.0	502.1	450.2	51.97	9.661		
8,500.0	7,435.0	8,467.0	7,340.0	29.4	32.8	-79.13	-1,324.4	1,009.8	503.8	448.8	55.04	9.155		
8,600.0	7,435.0	8,567.0	7,340.0	30.9	34.2	-79.17	-1,424.3	1,011.5	505.6	447.4	58.14	8.695		
8,700.0	7,435.0	8,667.0	7,340.0	32.4	35.6	-79.20	-1,524.3	1,013.3	507.3	446.0	61.28	8.277		
8,800.0	7,435.0	8,767.0	7,340.0	34.0	37.0	-79.24	-1,624.3	1,015.0	509.0	444.5	64.46	7.896		

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 1G-19H-B2685
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 1G-19H-B2685	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		
8,900.0	7,435.0	8,867.0	7,340.0	35.5	38.5	-79.28	-1,724.2	1,016.8	510.7	443.0	67.66	7.548		
9,000.0	7,435.0	8,967.0	7,340.0	37.1	40.0	-79.31	-1,824.2	1,018.5	512.4	441.5	70.89	7.228		
9,100.0	7,435.0	9,067.0	7,340.0	38.7	41.5	-79.35	-1,924.2	1,020.3	514.1	440.0	74.14	6.935		
9,200.0	7,435.0	9,166.9	7,340.0	40.4	43.0	-79.39	-2,024.1	1,022.0	515.8	438.4	77.41	6.664		
9,300.0	7,435.0	9,266.9	7,340.0	42.0	44.5	-79.42	-2,124.1	1,023.7	517.6	436.9	80.69	6.414		
9,400.0	7,435.0	9,366.9	7,340.0	43.6	46.1	-79.46	-2,224.1	1,025.5	519.3	435.3	83.99	6.183		
9,500.0	7,435.0	9,466.9	7,340.0	45.3	47.6	-79.49	-2,324.1	1,027.2	521.0	433.7	87.30	5.968		
9,600.0	7,435.0	9,566.9	7,340.0	46.9	49.2	-79.53	-2,424.0	1,029.0	522.7	432.1	90.62	5.768		
9,700.0	7,435.0	9,666.9	7,340.0	48.6	50.8	-79.56	-2,524.0	1,030.7	524.4	430.5	93.95	5.582		
9,800.0	7,435.0	9,766.8	7,340.0	50.2	52.4	-79.60	-2,624.0	1,032.5	526.1	428.8	97.30	5.408		
9,900.0	7,435.0	9,866.8	7,340.0	51.9	54.0	-79.63	-2,723.9	1,034.2	527.9	427.2	100.65	5.245		
10,000.0	7,435.0	9,966.8	7,340.0	53.6	55.6	-79.66	-2,823.9	1,036.0	529.6	425.6	104.01	5.092		
10,100.0	7,435.0	10,066.8	7,340.0	55.3	57.3	-79.70	-2,923.9	1,037.7	531.3	423.9	107.37	4.948		
10,200.0	7,435.0	10,166.8	7,340.0	57.0	58.9	-79.73	-3,023.8	1,039.4	533.0	422.3	110.75	4.813		
10,300.0	7,435.0	10,266.8	7,340.0	58.7	60.6	-79.76	-3,123.8	1,041.2	534.7	420.6	114.13	4.685		
10,400.0	7,435.0	10,366.8	7,340.0	60.4	62.2	-79.80	-3,223.8	1,042.9	536.4	418.9	117.51	4.565		
10,500.0	7,435.0	10,466.7	7,340.0	62.1	63.9	-79.83	-3,323.8	1,044.7	538.2	417.3	120.90	4.451		
10,600.0	7,435.0	10,566.7	7,340.0	63.8	65.5	-79.86	-3,423.7	1,046.4	539.9	415.6	124.29	4.344		
10,700.0	7,435.0	10,666.7	7,340.0	65.5	67.2	-79.90	-3,523.7	1,048.2	541.6	413.9	127.69	4.241		
10,800.0	7,435.0	10,766.7	7,340.0	67.2	68.8	-79.93	-3,623.7	1,049.9	543.3	412.2	131.09	4.144		
10,900.0	7,435.0	10,866.7	7,340.0	68.9	70.5	-79.96	-3,723.6	1,051.7	545.0	410.5	134.50	4.052		
11,000.0	7,435.0	10,966.7	7,340.0	70.6	72.2	-79.99	-3,823.6	1,053.4	546.8	408.8	137.91	3.965		
11,100.0	7,435.0	11,066.6	7,340.0	72.3	73.9	-80.02	-3,923.6	1,055.2	548.5	407.1	141.32	3.881		
11,200.0	7,435.0	11,166.6	7,340.0	74.0	75.6	-80.06	-4,023.5	1,056.9	550.2	405.5	144.74	3.801		
11,300.0	7,435.0	11,266.6	7,340.0	75.7	77.2	-80.09	-4,123.5	1,058.6	551.9	403.8	148.16	3.725		
11,363.7	7,435.0	11,330.3	7,340.0	76.8	78.3	-80.11	-4,187.2	1,059.8	553.0	402.7	150.34	3.678		
11,400.0	7,435.0	11,366.6	7,340.0	77.4	78.9	-80.11	-4,223.5	1,060.4	553.2	401.1	152.10	3.637		
11,500.0	7,435.0	11,466.5	7,340.0	79.2	80.6	-80.03	-4,323.4	1,062.1	550.0	393.4	156.57	3.512		
11,600.0	7,435.0	11,566.1	7,340.0	80.9	82.3	-79.81	-4,422.9	1,063.9	540.9	380.4	160.45	3.371		
11,700.0	7,435.0	11,664.9	7,340.0	82.6	84.0	-79.43	-4,521.8	1,065.6	526.0	362.4	163.68	3.214		
11,800.0	7,435.0	11,762.7	7,340.0	84.4	85.6	-78.86	-4,619.5	1,067.3	505.5	339.3	166.22	3.041		
11,900.0	7,435.0	11,859.1	7,340.0	86.1	87.3	-78.06	-4,715.9	1,069.0	479.4	311.4	167.98	2.854		
11,962.7	7,435.0	11,918.2	7,340.0	87.2	88.3	-77.41	-4,774.9	1,070.0	460.3	291.6	168.65	2.729 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	87.93	1.1	30.2	30.2						
100.0	100.0	100.0	100.0	0.2	0.2	87.93	1.1	30.2	30.2	29.9	0.30	99.504			
200.0	200.0	200.0	200.0	0.3	0.3	87.93	1.1	30.2	30.2	29.6	0.65	46.293			
300.0	300.0	300.0	300.0	0.5	0.5	87.93	1.1	30.2	30.2	29.2	1.00	30.163			
400.0	400.0	400.0	400.0	0.7	0.7	87.93	1.1	30.2	30.2	28.9	1.35	22.369 CC, ES			
500.0	500.0	498.9	498.9	0.8	0.8	87.92	1.2	31.9	31.9	30.2	1.70	18.789			
600.0	600.0	597.6	597.4	1.0	1.0	87.89	1.4	37.0	37.1	35.1	2.06	18.013			
700.0	700.0	695.8	695.3	1.2	1.2	87.87	1.7	45.4	45.7	43.3	2.44	18.709			
800.0	800.0	793.5	792.3	1.4	1.5	0.28	2.2	57.2	56.0	53.3	2.74	20.466			
900.0	899.8	891.0	888.6	1.6	1.8	0.28	2.7	72.1	66.2	63.1	3.08	21.495			
922.5	922.3	912.8	910.1	1.6	1.8	0.28	2.9	75.9	68.5	65.3	3.16	21.693			
1,000.0	999.5	989.6	985.6	1.8	2.1	0.28	3.4	89.9	76.6	73.2	3.43	22.362			
1,100.0	1,099.2	1,089.0	1,083.3	2.0	2.4	0.28	4.2	108.0	87.2	83.4	3.77	23.089			
1,200.0	1,198.9	1,188.5	1,181.1	2.2	2.8	0.29	4.9	126.1	97.7	93.6	4.12	23.694			
1,300.0	1,298.6	1,287.9	1,278.9	2.4	3.1	0.29	5.6	144.3	108.3	103.8	4.47	24.205			
1,400.0	1,398.3	1,387.4	1,376.7	2.6	3.5	0.29	6.3	162.4	118.8	114.0	4.82	24.643			
1,500.0	1,498.0	1,486.8	1,474.4	2.8	3.8	0.29	7.0	180.5	129.4	124.2	5.17	25.021			
1,600.0	1,597.7	1,586.2	1,572.2	3.0	4.2	0.29	7.7	198.6	139.9	134.4	5.52	25.352			
1,700.0	1,697.4	1,685.7	1,670.0	3.2	4.5	0.29	8.4	216.7	150.5	144.6	5.87	25.644			
1,800.0	1,797.1	1,785.1	1,767.8	3.4	4.9	0.29	9.1	234.9	161.0	154.8	6.22	25.904			
1,900.0	1,896.8	1,884.6	1,865.5	3.6	5.2	0.29	9.8	253.0	171.6	165.0	6.56	26.136			
2,000.0	1,996.5	1,984.0	1,963.3	3.9	5.6	0.30	10.6	271.1	182.1	175.2	6.91	26.344			
2,100.0	2,096.2	2,083.5	2,061.1	4.1	6.0	0.30	11.3	289.2	192.7	185.4	7.26	26.533			
2,200.0	2,195.9	2,182.9	2,158.9	4.3	6.3	0.30	12.0	307.3	203.2	195.6	7.61	26.705			
2,300.0	2,295.6	2,282.3	2,256.6	4.5	6.7	0.30	12.7	325.4	213.8	205.8	7.96	26.861			
2,400.0	2,395.3	2,381.8	2,354.4	4.7	7.1	0.30	13.4	343.6	224.3	216.0	8.31	27.004			
2,500.0	2,495.0	2,481.2	2,452.2	4.9	7.4	0.30	14.1	361.7	234.9	226.2	8.65	27.136			
2,600.0	2,594.7	2,580.7	2,550.0	5.2	7.8	0.30	14.8	379.8	245.4	236.4	9.00	27.258			
2,700.0	2,694.4	2,680.1	2,647.7	5.4	8.1	0.30	15.5	397.9	256.0	246.6	9.35	27.371			
2,800.0	2,794.1	2,779.5	2,745.5	5.6	8.5	0.30	16.3	416.0	266.5	256.8	9.70	27.475			
2,900.0	2,893.8	2,879.0	2,843.3	5.8	8.9	0.30	17.0	434.2	277.1	267.0	10.05	27.573			
3,000.0	2,993.5	2,978.4	2,941.1	6.0	9.2	0.30	17.7	452.3	287.6	277.2	10.40	27.664			
3,100.0	3,093.2	3,077.9	3,038.8	6.3	9.6	0.30	18.4	470.4	298.2	287.4	10.75	27.749			
3,200.0	3,192.9	3,177.3	3,136.6	6.5	10.0	0.30	19.1	488.5	308.7	297.6	11.09	27.828			
3,300.0	3,292.6	3,276.8	3,234.4	6.7	10.3	0.30	19.8	506.6	319.3	307.8	11.44	27.903			
3,400.0	3,392.3	3,376.2	3,332.2	6.9	10.7	0.30	20.5	524.8	329.8	318.0	11.79	27.973			
3,500.0	3,492.0	3,475.6	3,429.9	7.1	11.0	0.30	21.2	542.9	340.4	328.2	12.14	28.040			
3,600.0	3,591.7	3,575.1	3,527.7	7.3	11.4	0.30	22.0	561.0	350.9	338.4	12.49	28.103			
3,700.0	3,691.4	3,674.5	3,625.5	7.6	11.8	0.30	22.7	579.1	361.5	348.6	12.84	28.162			
3,800.0	3,791.1	3,774.0	3,723.3	7.8	12.1	0.30	23.4	597.2	372.0	358.8	13.18	28.218			
3,900.0	3,890.8	3,873.4	3,821.0	8.0	12.5	0.30	24.1	615.4	382.6	369.0	13.53	28.271			
4,000.0	3,990.5	3,972.8	3,918.8	8.2	12.9	0.30	24.8	633.5	393.1	379.2	13.88	28.322			
4,100.0	4,090.2	4,072.3	4,016.6	8.4	13.2	0.30	25.5	651.6	403.7	389.4	14.23	28.370			
4,200.0	4,189.9	4,171.7	4,114.4	8.7	13.6	0.30	26.2	669.7	414.2	399.6	14.58	28.416			
4,300.0	4,289.6	4,271.2	4,212.1	8.9	14.0	0.30	26.9	687.8	424.8	409.8	14.93	28.460			
4,400.0	4,389.3	4,370.6	4,309.9	9.1	14.3	0.30	27.7	705.9	435.3	420.0	15.27	28.501			
4,500.0	4,489.0	4,470.1	4,407.7	9.3	14.7	0.30	28.4	724.1	445.9	430.2	15.62	28.541			
4,600.0	4,588.7	4,569.5	4,505.5	9.6	15.1	0.30	29.1	742.2	456.4	440.5	15.97	28.579			
4,700.0	4,688.4	4,668.9	4,603.2	9.8	15.4	0.30	29.8	760.3	467.0	450.7	16.32	28.616			
4,800.0	4,788.1	4,768.4	4,701.0	10.0	15.8	0.30	30.5	778.4	477.5	460.9	16.67	28.651			
4,900.0	4,887.8	4,867.8	4,798.8	10.2	16.2	0.30	31.2	796.5	488.1	471.1	17.02	28.684			
5,000.0	4,987.5	4,967.3	4,896.6	10.4	16.5	0.30	31.9	814.7	498.6	481.3	17.36	28.716			

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 1G-19H-B2685
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 1G-19H-B2685	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		
5,100.0	5,087.2	5,066.7	4,994.3	10.7	16.9	0.30	32.6	832.8	509.2	491.5	17.71	28.747		
5,200.0	5,186.9	5,166.1	5,092.1	10.9	17.2	0.30	33.4	850.9	519.7	501.7	18.06	28.777		
5,300.0	5,286.6	5,265.6	5,189.9	11.1	17.6	0.30	34.1	869.0	530.3	511.9	18.41	28.806		
5,400.0	5,386.3	5,365.0	5,287.7	11.3	18.0	0.30	34.8	887.1	540.8	522.1	18.76	28.833		
5,500.0	5,486.0	5,464.5	5,385.4	11.5	18.3	0.30	35.5	905.3	551.4	532.3	19.11	28.860		
5,600.0	5,585.7	5,563.9	5,483.2	11.8	18.7	0.30	36.2	923.4	561.9	542.5	19.45	28.886		
5,700.0	5,685.4	5,663.4	5,581.0	12.0	19.1	0.30	36.9	941.5	572.5	552.7	19.80	28.910		
5,800.0	5,785.1	5,762.8	5,678.8	12.2	19.4	0.30	37.6	959.6	583.0	562.9	20.15	28.934		
5,900.0	5,884.8	5,862.2	5,776.5	12.4	19.8	0.30	38.3	977.7	593.6	573.1	20.50	28.957		
6,000.0	5,984.5	5,961.7	5,874.3	12.6	20.2	0.30	39.0	995.9	604.1	583.3	20.85	28.979		
6,100.0	6,084.2	6,061.1	5,972.1	12.9	20.5	0.30	39.8	1,014.0	614.7	593.5	21.20	29.001		
6,200.0	6,183.9	6,160.6	6,069.9	13.1	20.9	0.30	40.5	1,032.1	625.2	603.7	21.54	29.022		
6,300.0	6,283.6	6,260.0	6,167.6	13.3	21.3	0.30	41.2	1,050.2	635.8	613.9	21.89	29.042		
6,400.0	6,383.3	6,359.5	6,265.4	13.5	21.6	0.30	41.9	1,068.3	646.3	624.1	22.24	29.062		
6,500.0	6,483.0	6,458.9	6,363.2	13.7	22.0	0.30	42.6	1,086.4	656.9	634.3	22.59	29.081		
6,600.0	6,582.7	6,558.3	6,461.0	14.0	22.4	0.30	43.3	1,104.6	667.4	644.5	22.94	29.099		
6,700.0	6,682.4	6,657.8	6,558.7	14.2	22.7	0.30	44.0	1,122.7	678.0	654.7	23.29	29.117		
6,736.4	6,718.6	6,693.9	6,594.3	14.3	22.9	0.30	44.3	1,129.3	681.8	658.4	23.41	29.123		
6,750.0	6,732.2	6,707.5	6,607.6	14.3	22.9	-13.46	44.4	1,131.7	683.3	659.8	23.46	29.126		
6,800.0	6,782.0	6,757.1	6,656.4	14.4	23.1	-49.51	44.7	1,140.8	688.6	665.0	23.63	29.140		
6,850.0	6,831.5	6,806.4	6,704.9	14.5	23.3	-65.19	45.1	1,149.8	694.1	670.3	23.80	29.160		
6,900.0	6,880.4	6,857.0	6,754.6	14.6	23.5	-72.96	44.9	1,159.0	699.8	675.8	23.98	29.182		
6,950.0	6,928.6	6,909.3	6,805.9	14.7	23.6	-77.52	41.2	1,168.5	705.6	681.4	24.17	29.190		
7,000.0	6,975.7	6,962.5	6,857.6	14.9	23.8	-80.50	33.6	1,178.1	711.3	686.9	24.38	29.178		
7,050.0	7,021.6	7,016.4	6,909.4	15.0	24.0	-82.63	21.8	1,187.7	717.0	692.4	24.61	29.133		
7,100.0	7,066.1	7,071.2	6,960.9	15.1	24.2	-84.23	5.9	1,197.2	722.6	697.7	24.87	29.057		
7,150.0	7,108.8	7,126.9	7,011.9	15.3	24.4	-85.48	-14.3	1,206.7	728.0	702.9	25.17	28.920		
7,200.0	7,149.7	7,183.3	7,061.9	15.4	24.6	-86.49	-38.8	1,215.9	733.3	707.8	25.53	28.725		
7,250.0	7,188.5	7,240.6	7,110.5	15.6	24.8	-87.31	-67.7	1,224.9	738.4	712.5	25.94	28.463		
7,300.0	7,225.0	7,298.7	7,157.3	15.9	25.0	-87.99	-101.0	1,233.6	743.3	716.9	26.42	28.129		
7,350.0	7,259.1	7,357.5	7,201.8	16.1	25.3	-88.55	-138.5	1,241.9	747.8	720.8	26.98	27.716		
7,400.0	7,290.5	7,417.1	7,243.7	16.4	25.5	-89.02	-180.2	1,249.6	752.0	724.4	27.62	27.227		
7,450.0	7,319.1	7,477.3	7,282.4	16.7	25.8	-89.39	-225.7	1,256.8	755.9	727.5	28.34	26.668		
7,500.0	7,344.9	7,538.2	7,317.6	17.1	26.1	-89.69	-274.9	1,263.3	759.3	730.2	29.15	26.045		
7,550.0	7,367.6	7,599.5	7,348.7	17.5	26.5	-89.92	-327.5	1,269.1	762.3	732.3	30.05	25.369		
7,600.0	7,387.1	7,661.3	7,375.5	17.9	26.8	-90.08	-382.9	1,274.1	764.9	733.8	31.04	24.643		
7,650.0	7,403.4	7,723.4	7,397.6	18.4	27.2	-90.18	-440.7	1,278.2	766.9	734.8	32.11	23.887		
7,700.0	7,416.4	7,785.8	7,414.8	18.9	27.6	-90.22	-500.6	1,281.3	768.5	735.2	33.25	23.113		
7,750.0	7,426.0	7,848.2	7,426.8	19.4	28.1	-90.20	-561.7	1,283.5	769.5	735.0	34.46	22.331		
7,800.0	7,432.2	7,910.5	7,433.5	20.0	28.6	-90.12	-623.7	1,284.8	770.0	734.3	35.73	21.550		
7,850.0	7,434.9	7,969.8	7,435.0	20.5	29.0	-90.01	-683.0	1,285.1	770.0	733.0	37.02	20.803		
7,863.7	7,435.0	7,983.6	7,435.0	20.7	29.2	-90.00	-696.7	1,285.1	770.0	732.7	37.34	20.621		
7,863.7	7,435.0	7,983.6	7,435.0	20.7	29.2	-90.00	-696.7	1,285.1	770.0	732.7	37.34	20.621		
7,900.0	7,435.0	8,019.8	7,435.0	21.1	29.5	-90.00	-733.0	1,285.1	770.0	731.7	38.30	20.104		
8,000.0	7,435.0	8,119.8	7,435.0	22.4	30.4	-90.00	-833.0	1,285.1	770.0	729.0	41.03	18.768		
8,100.0	7,435.0	8,219.8	7,435.0	23.7	31.3	-90.00	-933.0	1,285.1	770.0	726.2	43.87	17.554		
8,200.0	7,435.0	8,319.8	7,435.0	25.0	32.4	-90.00	-1,033.0	1,285.1	770.0	723.2	46.80	16.455		
8,300.0	7,435.0	8,419.8	7,435.0	26.4	33.5	-90.00	-1,133.0	1,285.1	770.0	720.2	49.80	15.463		
8,400.0	7,435.0	8,519.8	7,435.0	27.9	34.6	-90.00	-1,233.0	1,285.1	770.0	717.2	52.86	14.566		
8,500.0	7,435.0	8,619.8	7,435.0	29.4	35.8	-90.00	-1,333.0	1,285.1	770.0	714.0	55.98	13.755		
8,600.0	7,435.0	8,719.8	7,435.0	30.9	37.1	-90.00	-1,433.0	1,285.1	770.0	710.9	59.14	13.019		
8,700.0	7,435.0	8,819.8	7,435.0	32.4	38.3	-90.00	-1,533.0	1,285.1	770.0	707.7	62.34	12.351		

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 1G-19H-B2685
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 1G-19H-B2685	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		
8,800.0	7,435.0	8,919.8	7,435.0	34.0	39.7	-90.00	-1,633.0	1,285.1	770.0	704.5	65.57	11.743		
8,900.0	7,435.0	9,019.8	7,435.0	35.5	41.0	-90.00	-1,733.0	1,285.1	770.0	701.2	68.83	11.187		
9,000.0	7,435.0	9,119.8	7,435.0	37.1	42.4	-90.00	-1,833.0	1,285.1	770.0	697.9	72.11	10.678		
9,100.0	7,435.0	9,219.8	7,435.0	38.7	43.8	-90.00	-1,933.0	1,285.1	770.0	694.6	75.41	10.211		
9,200.0	7,435.0	9,319.8	7,435.0	40.4	45.2	-90.00	-2,033.0	1,285.1	770.0	691.3	78.73	9.780		
9,300.0	7,435.0	9,419.8	7,435.0	42.0	46.7	-90.00	-2,133.0	1,285.1	770.0	688.0	82.07	9.383		
9,400.0	7,435.0	9,519.8	7,435.0	43.6	48.2	-90.00	-2,233.0	1,285.1	770.0	684.6	85.42	9.015		
9,500.0	7,435.0	9,619.8	7,435.0	45.3	49.7	-90.00	-2,333.0	1,285.1	770.0	681.2	88.78	8.674		
9,600.0	7,435.0	9,719.8	7,435.0	46.9	51.2	-90.00	-2,433.0	1,285.1	770.0	677.9	92.15	8.356		
9,700.0	7,435.0	9,819.8	7,435.0	48.6	52.7	-90.00	-2,533.0	1,285.1	770.0	674.5	95.53	8.060		
9,800.0	7,435.0	9,919.8	7,435.0	50.2	54.2	-90.00	-2,633.0	1,285.1	770.0	671.1	98.92	7.784		
9,900.0	7,435.0	10,019.8	7,435.0	51.9	55.8	-90.00	-2,733.0	1,285.1	770.0	667.7	102.32	7.525		
10,000.0	7,435.0	10,119.8	7,435.0	53.6	57.4	-90.00	-2,833.0	1,285.1	770.0	664.3	105.73	7.283		
10,100.0	7,435.0	10,219.8	7,435.0	55.3	58.9	-90.00	-2,933.0	1,285.1	770.0	660.9	109.14	7.055		
10,200.0	7,435.0	10,319.8	7,435.0	57.0	60.5	-90.00	-3,033.0	1,285.1	770.0	657.5	112.56	6.841		
10,300.0	7,435.0	10,419.8	7,435.0	58.7	62.1	-90.00	-3,133.0	1,285.1	770.0	654.0	115.98	6.639		
10,400.0	7,435.0	10,519.8	7,435.0	60.4	63.7	-90.00	-3,233.0	1,285.1	770.0	650.6	119.41	6.449		
10,500.0	7,435.0	10,619.8	7,435.0	62.1	65.3	-90.00	-3,333.0	1,285.1	770.0	647.2	122.84	6.268		
10,600.0	7,435.0	10,719.8	7,435.0	63.8	66.9	-90.00	-3,433.0	1,285.1	770.0	643.7	126.28	6.098		
10,700.0	7,435.0	10,819.8	7,435.0	65.5	68.6	-90.00	-3,533.0	1,285.1	770.0	640.3	129.72	5.936		
10,800.0	7,435.0	10,919.8	7,435.0	67.2	70.2	-90.00	-3,633.0	1,285.1	770.0	636.9	133.17	5.782		
10,900.0	7,435.0	11,019.8	7,435.0	68.9	71.8	-90.00	-3,733.0	1,285.1	770.0	633.4	136.61	5.637		
11,000.0	7,435.0	11,119.8	7,435.0	70.6	73.5	-90.00	-3,833.0	1,285.1	770.0	630.0	140.06	5.498		
11,100.0	7,435.0	11,219.8	7,435.0	72.3	75.1	-90.00	-3,933.0	1,285.1	770.0	626.5	143.52	5.365		
11,200.0	7,435.0	11,319.8	7,435.0	74.0	76.8	-90.00	-4,033.0	1,285.1	770.0	623.1	146.97	5.239		
11,300.0	7,435.0	11,419.8	7,435.0	75.7	78.4	-90.00	-4,133.0	1,285.1	770.0	619.6	150.43	5.119		
11,363.7	7,435.0	11,483.6	7,435.0	76.8	79.5	-90.00	-4,196.7	1,285.1	770.0	617.4	152.64	5.045		
11,400.0	7,435.0	11,519.8	7,435.0	77.4	80.1	-90.00	-4,233.0	1,285.1	769.6	615.1	154.51	4.981		
11,500.0	7,435.0	11,619.7	7,435.0	79.2	81.8	-90.00	-4,332.9	1,285.1	764.6	605.2	159.31	4.799		
11,600.0	7,435.0	11,719.1	7,435.0	80.9	83.4	-90.00	-4,432.2	1,285.1	753.6	590.0	163.58	4.607		
11,700.0	7,435.0	11,817.6	7,435.0	82.6	85.1	-90.00	-4,530.8	1,285.1	736.8	569.5	167.27	4.405		
11,800.0	7,435.0	11,915.0	7,435.0	84.4	86.7	-90.00	-4,628.2	1,285.1	714.2	543.8	170.37	4.192		
11,900.0	7,435.0	12,011.0	7,435.0	86.1	88.3	-90.00	-4,724.1	1,285.1	685.9	513.1	172.84	3.969		
11,962.7	7,435.0	12,057.8	7,435.0	87.2	89.1	-90.00	-4,770.9	1,285.1	665.4	491.6	173.85	3.828 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1K-19H-B2681 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	87.91	1.5	40.0	40.0						
100.0	100.0	100.0	100.0	0.2	0.2	87.91	1.5	40.0	40.0	39.7	0.30	131.752			
200.0	200.0	200.0	200.0	0.3	0.3	87.91	1.5	40.0	40.0	39.4	0.65	61.297			
300.0	300.0	300.0	300.0	0.5	0.5	87.91	1.5	40.0	40.0	39.0	1.00	39.939 CC, ES			
400.0	400.0	398.6	398.6	0.7	0.7	87.91	1.5	41.7	41.7	40.4	1.35	30.887			
500.0	500.0	496.9	496.8	0.8	0.9	87.92	1.7	46.7	46.9	45.2	1.71	27.364			
600.0	600.0	594.8	594.3	1.0	1.1	87.92	2.0	55.1	55.5	53.4	2.10	26.397			
700.0	700.0	692.0	690.8	1.2	1.3	87.92	2.4	66.7	67.4	64.9	2.52	26.711			
800.0	800.0	788.6	786.2	1.4	1.6	0.36	3.0	81.5	81.0	78.3	2.73	29.701			
900.0	899.8	884.7	880.7	1.6	2.0	0.38	3.6	99.4	94.5	91.4	3.07	30.783			
922.5	922.3	906.5	902.0	1.6	2.0	0.39	3.8	103.9	97.5	94.3	3.15	30.985			
1,000.0	999.5	983.4	977.2	1.8	2.3	0.40	4.3	119.9	107.7	104.2	3.42	31.517			
1,100.0	1,099.2	1,082.5	1,074.1	2.0	2.7	0.42	5.1	140.5	120.8	117.0	3.76	32.093			
1,200.0	1,198.9	1,181.6	1,171.1	2.2	3.1	0.44	5.8	161.1	133.9	129.8	4.11	32.571			
1,300.0	1,298.6	1,280.7	1,268.0	2.4	3.5	0.45	6.6	181.7	147.1	142.6	4.46	32.976			
1,400.0	1,398.3	1,379.9	1,365.0	2.6	3.9	0.46	7.3	202.3	160.2	155.4	4.81	33.323			
1,500.0	1,498.0	1,479.0	1,462.0	2.8	4.3	0.47	8.0	222.9	173.4	168.2	5.16	33.623			
1,600.0	1,597.7	1,578.1	1,558.9	3.0	4.7	0.48	8.8	243.5	186.5	181.0	5.50	33.886			
1,700.0	1,697.4	1,677.3	1,655.9	3.2	5.1	0.49	9.5	264.1	199.7	193.8	5.85	34.118			
1,800.0	1,797.1	1,776.4	1,752.9	3.4	5.5	0.49	10.3	284.7	212.8	206.6	6.20	34.324			
1,900.0	1,896.8	1,875.5	1,849.8	3.6	5.9	0.50	11.0	305.3	226.0	219.4	6.55	34.508			
2,000.0	1,996.5	1,974.7	1,946.8	3.9	6.3	0.50	11.7	325.9	239.1	232.2	6.90	34.674			
2,100.0	2,096.2	2,073.8	2,043.8	4.1	6.7	0.51	12.5	346.5	252.3	245.0	7.24	34.824			
2,200.0	2,195.9	2,172.9	2,140.7	4.3	7.1	0.51	13.2	367.1	265.4	257.8	7.59	34.960			
2,300.0	2,295.6	2,272.1	2,237.7	4.5	7.5	0.51	14.0	387.7	278.6	270.6	7.94	35.085			
2,400.0	2,395.3	2,371.2	2,334.7	4.7	7.9	0.52	14.7	408.3	291.7	283.4	8.29	35.199			
2,500.0	2,495.0	2,470.3	2,431.6	4.9	8.3	0.52	15.4	428.9	304.9	296.2	8.64	35.304			
2,600.0	2,594.7	2,569.5	2,528.6	5.2	8.7	0.52	16.2	449.5	318.0	309.0	8.98	35.400			
2,700.0	2,694.4	2,668.6	2,625.5	5.4	9.1	0.53	16.9	470.2	331.1	321.8	9.33	35.490			
2,800.0	2,794.1	2,767.7	2,722.5	5.6	9.5	0.53	17.7	490.8	344.3	334.6	9.68	35.573			
2,900.0	2,893.8	2,866.9	2,819.5	5.8	9.9	0.53	18.4	511.4	357.4	347.4	10.03	35.651			
3,000.0	2,993.5	2,966.0	2,916.4	6.0	10.3	0.53	19.1	532.0	370.6	360.2	10.37	35.723			
3,100.0	3,093.2	3,065.1	3,013.4	6.3	10.7	0.53	19.9	552.6	383.7	373.0	10.72	35.791			
3,200.0	3,192.9	3,164.3	3,110.4	6.5	11.1	0.54	20.6	573.2	396.9	385.8	11.07	35.854			
3,300.0	3,292.6	3,263.4	3,207.3	6.7	11.5	0.54	21.4	593.8	410.0	398.6	11.42	35.914			
3,400.0	3,392.3	3,362.5	3,304.3	6.9	11.9	0.54	22.1	614.4	423.2	411.4	11.76	35.970			
3,500.0	3,492.0	3,461.7	3,401.3	7.1	12.4	0.54	22.8	635.0	436.3	424.2	12.11	36.023			
3,600.0	3,591.7	3,560.8	3,498.2	7.3	12.8	0.54	23.6	655.6	449.5	437.0	12.46	36.073			
3,700.0	3,691.4	3,659.9	3,595.2	7.6	13.2	0.54	24.3	676.2	462.6	449.8	12.81	36.120			
3,800.0	3,791.1	3,759.1	3,692.2	7.8	13.6	0.54	25.1	696.8	475.8	462.6	13.16	36.165			
3,900.0	3,890.8	3,858.2	3,789.1	8.0	14.0	0.54	25.8	717.4	488.9	475.4	13.50	36.207			
4,000.0	3,990.5	3,957.3	3,886.1	8.2	14.4	0.55	26.6	738.0	502.0	488.2	13.85	36.248			
4,100.0	4,090.2	4,056.4	3,983.0	8.4	14.8	0.55	27.3	758.6	515.2	501.0	14.20	36.286			
4,200.0	4,189.9	4,155.6	4,080.0	8.7	15.2	0.55	28.0	779.2	528.3	513.8	14.55	36.322			
4,300.0	4,289.6	4,254.7	4,177.0	8.9	15.6	0.55	28.8	799.8	541.5	526.6	14.89	36.357			
4,400.0	4,389.3	4,353.8	4,273.9	9.1	16.0	0.55	29.5	820.4	554.6	539.4	15.24	36.390			
4,500.0	4,489.0	4,453.0	4,370.9	9.3	16.4	0.55	30.3	841.0	567.8	552.2	15.59	36.422			
4,600.0	4,588.7	4,552.1	4,467.9	9.6	16.8	0.55	31.0	861.6	580.9	565.0	15.94	36.453			
4,700.0	4,688.4	4,651.2	4,564.8	9.8	17.2	0.55	31.7	882.2	594.1	577.8	16.28	36.482			
4,800.0	4,788.1	4,750.4	4,661.8	10.0	17.6	0.55	32.5	902.9	607.2	590.6	16.63	36.510			
4,900.0	4,887.8	4,849.5	4,758.8	10.2	18.0	0.55	33.2	923.5	620.4	603.4	16.98	36.536			
5,000.0	4,987.5	4,948.6	4,855.7	10.4	18.4	0.55	34.0	944.1	633.5	616.2	17.33	36.562			

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1K-19H-B2681 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,100.0	5,087.2	5,047.8	4,952.7	10.7	18.8	0.55	34.7	964.7	646.7	629.0	17.67	36.587		
5,200.0	5,186.9	5,146.9	5,049.7	10.9	19.2	0.55	35.4	985.3	659.8	641.8	18.02	36.610		
5,300.0	5,286.6	5,246.0	5,146.6	11.1	19.7	0.56	36.2	1,005.9	672.9	654.6	18.37	36.633		
5,400.0	5,386.3	5,345.2	5,243.6	11.3	20.1	0.56	36.9	1,026.5	686.1	667.4	18.72	36.655		
5,500.0	5,486.0	5,444.3	5,340.5	11.5	20.5	0.56	37.7	1,047.1	699.2	680.2	19.07	36.676		
5,600.0	5,585.7	5,543.4	5,437.5	11.8	20.9	0.56	38.4	1,067.7	712.4	693.0	19.41	36.697		
5,700.0	5,685.4	5,642.6	5,534.5	12.0	21.3	0.56	39.1	1,088.3	725.5	705.8	19.76	36.716		
5,800.0	5,785.1	5,741.7	5,631.4	12.2	21.7	0.56	39.9	1,108.9	738.7	718.6	20.11	36.735		
5,900.0	5,884.8	5,840.8	5,728.4	12.4	22.1	0.56	40.6	1,129.5	751.8	731.4	20.46	36.754		
6,000.0	5,984.5	5,940.0	5,825.4	12.6	22.5	0.56	41.4	1,150.1	765.0	744.2	20.80	36.772		
6,100.0	6,084.2	6,039.1	5,922.3	12.9	22.9	0.56	42.1	1,170.7	778.1	757.0	21.15	36.789		
6,200.0	6,183.9	6,138.2	6,019.3	13.1	23.3	0.56	42.8	1,191.3	791.3	769.8	21.50	36.805		
6,300.0	6,283.6	6,237.4	6,116.3	13.3	23.7	0.56	43.6	1,211.9	804.4	782.6	21.85	36.822		
6,400.0	6,383.3	6,336.5	6,213.2	13.5	24.1	0.56	44.3	1,232.5	817.6	795.4	22.19	36.837		
6,500.0	6,483.0	6,435.6	6,310.2	13.7	24.5	0.56	45.1	1,253.1	830.7	808.2	22.54	36.852		
6,600.0	6,582.7	6,534.7	6,407.2	14.0	24.9	0.56	45.8	1,273.7	843.9	821.0	22.89	36.867		
6,700.0	6,682.4	6,633.9	6,504.1	14.2	25.3	0.56	46.5	1,294.3	857.0	833.8	23.24	36.881		
6,736.4	6,718.6	6,669.9	6,539.4	14.3	25.5	0.56	46.8	1,301.8	861.8	838.4	23.36	36.886		
6,750.0	6,732.2	6,683.4	6,552.6	14.3	25.5	-13.17	46.9	1,304.6	863.6	840.2	23.41	36.888		
6,800.0	6,782.0	6,732.9	6,601.0	14.4	25.7	-49.07	47.3	1,314.9	870.2	846.6	23.59	36.897		
6,850.0	6,831.5	6,782.1	6,649.1	14.5	25.9	-64.54	47.7	1,325.1	877.0	853.2	23.76	36.912		
6,900.0	6,880.4	6,830.7	6,696.6	14.6	26.1	-72.07	48.0	1,335.2	883.9	860.0	23.93	36.934		
6,950.0	6,928.6	6,878.5	6,743.3	14.7	26.3	-76.53	48.4	1,345.2	891.0	866.9	24.11	36.962		
7,000.0	6,975.7	6,925.2	6,789.1	14.9	26.5	-79.59	48.7	1,354.9	898.5	874.2	24.29	36.989		
7,050.0	7,021.6	6,970.7	6,833.6	15.0	26.7	-81.91	49.1	1,364.4	906.4	881.9	24.49	37.014		
7,100.0	7,066.1	7,018.1	6,879.9	15.1	26.9	-83.89	49.1	1,374.2	914.9	890.2	24.71	37.020		
7,150.0	7,108.8	7,071.8	6,932.4	15.3	27.1	-85.70	46.0	1,385.4	923.8	898.8	24.98	36.974		
7,200.0	7,149.7	7,128.0	6,986.8	15.4	27.3	-87.28	38.5	1,396.9	932.9	907.6	25.30	36.873		
7,250.0	7,188.5	7,186.9	7,043.1	15.6	27.6	-88.71	25.9	1,408.9	942.1	916.4	25.67	36.704		
7,300.0	7,225.0	7,248.7	7,100.9	15.9	27.8	-90.02	7.6	1,421.2	951.4	925.3	26.09	36.461		
7,350.0	7,259.1	7,313.9	7,159.8	16.1	28.1	-91.24	-17.0	1,433.7	960.6	934.0	26.59	36.126		
7,400.0	7,290.5	7,382.7	7,219.4	16.4	28.3	-92.38	-48.9	1,446.3	969.5	942.4	27.17	35.691		
7,450.0	7,319.1	7,455.2	7,278.7	16.7	28.6	-93.44	-88.6	1,459.0	978.1	950.3	27.83	35.151		
7,500.0	7,344.9	7,531.8	7,336.7	17.1	28.9	-94.42	-137.0	1,471.3	986.2	957.6	28.59	34.496		
7,550.0	7,367.6	7,612.4	7,392.0	17.5	29.3	-95.31	-194.5	1,483.0	993.5	964.1	29.46	33.730		
7,600.0	7,387.1	7,696.9	7,442.7	17.9	29.7	-96.08	-261.1	1,493.8	1,000.0	969.5	30.44	32.855		
11,600.0	7,435.0	11,893.6	7,566.0	80.9	84.6	-97.62	-4,432.2	1,520.0	997.2	834.4	162.79	6.125		
11,700.0	7,435.0	11,992.2	7,566.0	82.6	86.3	-97.83	-4,530.8	1,520.0	980.5	813.9	166.61	5.885		
11,800.0	7,435.0	12,089.6	7,566.0	84.4	87.9	-98.12	-4,628.2	1,520.0	958.1	788.3	169.80	5.643		
11,900.0	7,435.0	12,185.5	7,566.0	86.1	89.5	-98.51	-4,724.1	1,520.0	930.1	757.8	172.32	5.398		
11,962.7	7,435.0	12,228.3	7,566.0	87.2	90.2	-98.76	-4,766.9	1,520.0	909.9	736.6	173.29	5.251 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	87.92	1.8	50.1	50.1					
100.0	100.0	100.0	100.0	0.2	0.2	87.92	1.8	50.1	50.1	49.8	0.30	164.920		
200.0	200.0	200.0	200.0	0.3	0.3	87.92	1.8	50.1	50.1	49.4	0.65	76.728 CC, ES		
300.0	300.0	298.2	298.2	0.5	0.5	87.91	1.9	51.7	51.8	50.8	1.00	51.676		
400.0	400.0	396.3	396.1	0.7	0.7	87.90	2.1	56.8	56.9	55.6	1.37	41.625		
500.0	500.0	493.8	493.3	0.8	0.9	87.88	2.4	65.1	65.5	63.7	1.76	37.176		
600.0	600.0	590.7	589.5	1.0	1.2	87.86	2.9	76.6	77.4	75.2	2.19	35.306		
700.0	700.0	686.7	684.3	1.2	1.5	87.85	3.4	91.3	92.7	90.0	2.67	34.747 SF		
800.0	800.0	781.9	777.9	1.4	1.8	0.27	4.1	108.9	109.5	106.8	2.72	40.313		
900.0	899.8	876.6	870.3	1.6	2.2	0.26	4.9	129.5	126.1	123.1	3.06	41.284		
922.5	922.3	897.9	891.0	1.6	2.3	0.26	5.1	134.6	129.9	126.7	3.13	41.469		
1,000.0	999.5	973.8	964.6	1.8	2.6	0.26	5.8	153.1	142.9	139.5	3.40	42.032		
1,100.0	1,099.2	1,072.3	1,060.2	2.0	3.1	0.27	6.8	177.2	159.8	156.0	3.75	42.637		
1,200.0	1,198.9	1,170.9	1,155.7	2.2	3.5	0.27	7.7	201.3	176.6	172.5	4.09	43.141		
1,300.0	1,298.6	1,269.5	1,251.3	2.4	4.0	0.27	8.7	225.4	193.5	189.0	4.44	43.567		
1,400.0	1,398.3	1,368.0	1,346.9	2.6	4.5	0.27	9.6	249.5	210.4	205.6	4.79	43.932		
1,500.0	1,498.0	1,466.6	1,442.5	2.8	4.9	0.27	10.5	273.6	227.2	222.1	5.13	44.249		
1,600.0	1,597.7	1,565.2	1,538.0	3.0	5.4	0.27	11.5	297.6	244.1	238.6	5.48	44.526		
1,700.0	1,697.4	1,663.7	1,633.6	3.2	5.8	0.27	12.4	321.7	260.9	255.1	5.83	44.770		
1,800.0	1,797.1	1,762.3	1,729.2	3.4	6.3	0.27	13.4	345.8	277.8	271.6	6.17	44.988		
1,900.0	1,896.8	1,860.9	1,824.8	3.6	6.8	0.27	14.3	369.9	294.7	288.1	6.52	45.182		
2,000.0	1,996.5	1,959.5	1,920.3	3.9	7.2	0.27	15.2	394.0	311.5	304.7	6.87	45.357		
2,100.0	2,096.2	2,058.0	2,015.9	4.1	7.7	0.27	16.2	418.1	328.4	321.2	7.21	45.516		
2,200.0	2,195.9	2,156.6	2,111.5	4.3	8.2	0.27	17.1	442.2	345.2	337.7	7.56	45.660		
2,300.0	2,295.6	2,255.2	2,207.1	4.5	8.6	0.27	18.1	466.3	362.1	354.2	7.91	45.791		
2,400.0	2,395.3	2,353.7	2,302.6	4.7	9.1	0.28	19.0	490.4	379.0	370.7	8.25	45.912		
2,500.0	2,495.0	2,452.3	2,398.2	4.9	9.5	0.28	19.9	514.5	395.8	387.2	8.60	46.023		
2,600.0	2,594.7	2,550.9	2,493.8	5.2	10.0	0.28	20.9	538.6	412.7	403.7	8.95	46.125		
2,700.0	2,694.4	2,649.4	2,589.4	5.4	10.5	0.28	21.8	562.6	429.6	420.3	9.29	46.220		
2,800.0	2,794.1	2,748.0	2,684.9	5.6	10.9	0.28	22.8	586.7	446.4	436.8	9.64	46.308		
2,900.0	2,893.8	2,846.6	2,780.5	5.8	11.4	0.28	23.7	610.8	463.3	453.3	9.99	46.390		
3,000.0	2,993.5	2,945.1	2,876.1	6.0	11.9	0.28	24.6	634.9	480.1	469.8	10.33	46.467		
3,100.0	3,093.2	3,043.7	2,971.6	6.3	12.3	0.28	25.6	659.0	497.0	486.3	10.68	46.538		
3,200.0	3,192.9	3,142.3	3,067.2	6.5	12.8	0.28	26.5	683.1	513.9	502.8	11.03	46.606		
3,300.0	3,292.6	3,240.8	3,162.8	6.7	13.3	0.28	27.5	707.2	530.7	519.4	11.37	46.669		
3,400.0	3,392.3	3,339.4	3,258.4	6.9	13.7	0.28	28.4	731.3	547.6	535.9	11.72	46.728		
3,500.0	3,492.0	3,438.0	3,353.9	7.1	14.2	0.28	29.3	755.4	564.4	552.4	12.06	46.784		
3,600.0	3,591.7	3,536.5	3,449.5	7.3	14.7	0.28	30.3	779.5	581.3	568.9	12.41	46.837		
3,700.0	3,691.4	3,635.1	3,545.1	7.6	15.1	0.28	31.2	803.5	598.2	585.4	12.76	46.887		
3,800.0	3,791.1	3,733.7	3,640.7	7.8	15.6	0.28	32.2	827.6	615.0	601.9	13.10	46.934		
3,900.0	3,890.8	3,832.2	3,736.2	8.0	16.1	0.28	33.1	851.7	631.9	618.4	13.45	46.979		
4,000.0	3,990.5	3,930.8	3,831.8	8.2	16.5	0.28	34.0	875.8	648.8	635.0	13.80	47.022		
4,100.0	4,090.2	4,029.4	3,927.4	8.4	17.0	0.28	35.0	899.9	665.6	651.5	14.14	47.063		
4,200.0	4,189.9	4,128.0	4,023.0	8.7	17.5	0.28	35.9	924.0	682.5	668.0	14.49	47.101		
4,300.0	4,289.6	4,226.5	4,118.5	8.9	17.9	0.28	36.9	948.1	699.3	684.5	14.84	47.138		
4,400.0	4,389.3	4,325.1	4,214.1	9.1	18.4	0.28	37.8	972.2	716.2	701.0	15.18	47.173		
4,500.0	4,489.0	4,423.7	4,309.7	9.3	18.9	0.28	38.7	996.3	733.1	717.5	15.53	47.207		
4,600.0	4,588.7	4,522.2	4,405.3	9.6	19.3	0.28	39.7	1,020.4	749.9	734.1	15.88	47.239		
4,700.0	4,688.4	4,620.8	4,500.8	9.8	19.8	0.28	40.6	1,044.5	766.8	750.6	16.22	47.270		
4,800.0	4,788.1	4,719.4	4,596.4	10.0	20.2	0.28	41.6	1,068.5	783.6	767.1	16.57	47.300		
4,900.0	4,887.8	4,817.9	4,692.0	10.2	20.7	0.28	42.5	1,092.6	800.5	783.6	16.91	47.328		
5,000.0	4,987.5	4,916.5	4,787.6	10.4	21.2	0.28	43.4	1,116.7	817.4	800.1	17.26	47.355		

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 1G-19H-B2685
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 1G-19H-B2685	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
5,100.0	5,087.2	5,015.1	4,883.1	10.7	21.6	0.28	44.4	1,140.8	834.2	816.6	17.61	47.381					
5,200.0	5,186.9	5,113.6	4,978.7	10.9	22.1	0.28	45.3	1,164.9	851.1	833.1	17.95	47.406					
5,300.0	5,286.6	5,212.2	5,074.3	11.1	22.6	0.28	46.3	1,189.0	868.0	849.7	18.30	47.431					
5,400.0	5,386.3	5,310.8	5,169.9	11.3	23.0	0.28	47.2	1,213.1	884.8	866.2	18.65	47.454					
5,500.0	5,486.0	5,409.3	5,265.4	11.5	23.5	0.28	48.1	1,237.2	901.7	882.7	18.99	47.476					
5,600.0	5,585.7	5,507.9	5,361.0	11.8	24.0	0.28	49.1	1,261.3	918.5	899.2	19.34	47.498					
5,700.0	5,685.4	5,606.5	5,456.6	12.0	24.4	0.28	50.0	1,285.4	935.4	915.7	19.68	47.519					
5,800.0	5,785.1	5,705.0	5,552.2	12.2	24.9	0.28	51.0	1,309.5	952.3	932.2	20.03	47.539					
5,900.0	5,884.8	5,803.6	5,647.7	12.4	25.4	0.28	51.9	1,333.5	969.1	948.8	20.38	47.559					
6,000.0	5,984.5	5,902.2	5,743.3	12.6	25.8	0.28	52.8	1,357.6	986.0	965.3	20.72	47.577					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,435.0	7,456.1	7,453.5	60.4	13.2	-94.64	-4,221.8	607.8	993.2	920.7	72.48	13.704		
10,500.0	7,435.0	7,455.4	7,452.9	62.1	13.2	-94.23	-4,221.8	607.8	893.7	819.4	74.22	12.040		
10,600.0	7,435.0	7,454.7	7,452.2	63.8	13.2	-93.81	-4,221.8	607.8	794.3	718.3	75.97	10.455		
10,700.0	7,435.0	7,454.0	7,451.5	65.5	13.2	-93.39	-4,221.8	607.8	695.1	617.3	77.72	8.943		
10,800.0	7,435.0	7,453.3	7,450.8	67.2	13.2	-92.96	-4,221.8	607.9	596.1	516.6	79.47	7.501		
10,900.0	7,435.0	7,452.6	7,450.1	68.9	13.2	-92.52	-4,221.8	607.9	497.6	416.4	81.21	6.127		
11,000.0	7,435.0	7,451.9	7,449.4	70.6	13.2	-92.08	-4,221.8	607.9	399.8	316.8	82.96	4.819		
11,100.0	7,435.0	7,451.2	7,448.6	72.3	13.2	-91.63	-4,221.8	607.9	303.4	218.7	84.70	3.582		
11,200.0	7,435.0	7,450.4	7,447.9	74.0	13.2	-91.17	-4,221.8	607.9	210.4	124.0	86.45	2.434		
11,300.0	7,435.0	7,449.7	7,447.1	75.7	13.2	-90.70	-4,221.9	607.9	128.5	40.3	88.18	1.457 Level 3		
11,363.7	7,435.0	7,449.2	7,446.7	76.8	13.2	-90.40	-4,221.9	607.9	96.2	6.9	89.29	1.077 Level 2		
11,390.3	7,435.0	7,449.0	7,446.4	77.3	13.2	-90.28	-4,221.9	607.9	92.6	2.7	89.88	1.031 Level 2, CC, ES, SF		
11,400.0	7,435.0	7,448.9	7,446.4	77.4	13.2	-90.23	-4,221.9	607.9	93.1	3.0	90.09	1.033 Level 2		
11,500.0	7,435.0	7,448.1	7,445.6	79.2	13.2	-89.74	-4,221.9	607.9	141.2	49.1	92.13	1.533		
11,600.0	7,435.0	7,447.3	7,444.7	80.9	13.2	-89.30	-4,221.9	607.9	223.8	129.9	93.91	2.383		
11,700.0	7,435.0	7,446.4	7,443.8	82.6	13.2	-88.97	-4,221.9	607.9	314.6	219.2	95.42	3.297		
11,800.0	7,435.0	7,445.5	7,442.9	84.4	13.2	-88.74	-4,221.9	607.9	408.0	311.3	96.68	4.220		
11,900.0	7,435.0	7,444.5	7,442.0	86.1	13.2	-88.60	-4,221.9	607.9	502.3	404.6	97.67	5.143		
11,962.7	7,435.0	7,443.9	7,441.4	87.2	13.2	-88.56	-4,221.9	607.9	561.6	463.4	98.16	5.721		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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									
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	-151.31	-708.2	-387.6	807.3						
100.0	100.0	89.1	89.1	0.2	0.2	-151.34	-708.6	-387.3	807.6	807.2	0.31	2,624.551 ES			
200.0	200.0	186.9	186.9	0.3	0.3	-151.40	-709.7	-386.9	808.3	807.7	0.65	1,237.016			
300.0	300.0	287.1	287.1	0.5	0.5	-151.46	-710.9	-386.6	809.2	808.2	1.00	806.401			
400.0	400.0	391.0	391.0	0.7	0.7	-151.49	-711.6	-386.5	809.9	808.5	1.36	595.734			
500.0	500.0	491.1	491.1	0.8	0.9	-151.49	-712.0	-386.7	810.2	808.5	1.71	474.151			
600.0	600.0	593.3	593.3	1.0	1.0	-151.49	-712.2	-386.8	810.4	808.4	2.06	393.144			
700.0	700.0	689.8	689.8	1.2	1.2	-151.46	-712.2	-387.3	810.7	808.3	2.40	337.134			
800.0	800.0	790.1	790.1	1.4	1.4	121.10	-712.3	-388.2	812.1	809.4	2.75	294.960			
900.0	899.8	889.7	889.7	1.6	1.6	121.43	-712.2	-389.3	815.3	812.2	3.11	262.383			
922.5	922.3	911.9	911.8	1.6	1.6	121.53	-712.2	-389.7	816.3	813.1	3.19	256.093			
1,000.0	999.5	987.4	987.3	1.8	1.7	121.96	-712.0	-390.9	820.0	816.5	3.47	236.614			
1,100.0	1,099.2	1,086.3	1,086.2	2.0	1.9	122.54	-711.8	-392.9	825.0	821.1	3.83	215.360			
1,200.0	1,198.9	1,184.5	1,184.4	2.2	2.1	123.14	-711.5	-395.3	830.1	825.9	4.20	197.746			
1,300.0	1,298.6	1,285.5	1,285.3	2.4	2.3	123.77	-711.0	-398.0	835.4	830.8	4.57	182.696			
1,400.0	1,398.3	1,384.0	1,383.8	2.6	2.4	124.39	-710.3	-400.8	840.7	835.7	4.94	170.016			
1,500.0	1,498.0	1,488.9	1,488.7	2.8	2.6	125.05	-709.4	-403.8	845.9	840.5	5.33	158.724			
1,600.0	1,597.7	1,579.7	1,579.4	3.0	2.8	125.63	-708.5	-406.5	851.2	845.5	5.69	149.590			
1,700.0	1,697.4	1,671.3	1,670.9	3.2	2.9	126.22	-708.2	-410.1	857.7	851.6	6.05	141.686			
1,800.0	1,797.1	1,769.0	1,768.5	3.4	3.1	126.88	-708.2	-414.7	864.9	858.5	6.43	134.540			
1,900.0	1,896.8	1,862.7	1,862.1	3.6	3.3	127.51	-708.2	-419.3	872.5	865.7	6.80	128.358			
2,000.0	1,996.5	1,959.1	1,958.5	3.9	3.5	128.15	-708.9	-424.4	880.8	873.7	7.17	122.855			
2,100.0	2,096.2	2,056.3	2,055.5	4.1	3.7	128.78	-709.5	-429.6	889.4	881.8	7.54	117.904			
2,200.0	2,195.9	2,152.2	2,151.2	4.3	3.9	129.37	-710.6	-434.8	898.4	890.5	7.91	113.528			
2,300.0	2,295.6	2,248.9	2,247.8	4.5	4.0	129.96	-711.9	-440.1	907.8	899.5	8.29	109.570			
2,400.0	2,395.3	2,344.0	2,342.7	4.7	4.2	130.54	-713.3	-445.8	917.6	909.0	8.65	106.050			
2,500.0	2,495.0	2,441.7	2,440.2	4.9	4.4	131.10	-715.3	-451.5	928.0	919.0	9.02	102.835			
2,600.0	2,594.7	2,543.8	2,542.1	5.2	4.6	131.71	-716.8	-457.8	938.2	928.8	9.40	99.759			
2,700.0	2,694.4	2,641.3	2,639.4	5.4	4.8	132.30	-718.0	-464.1	948.4	938.7	9.78	97.011			
2,800.0	2,794.1	2,735.7	2,733.6	5.6	5.0	132.86	-719.4	-470.3	959.1	949.0	10.14	94.580			
2,900.0	2,893.8	2,831.2	2,828.9	5.8	5.2	133.38	-721.5	-476.5	970.4	959.9	10.51	92.366			
3,000.0	2,993.5	2,930.0	2,927.3	6.0	5.4	133.94	-723.4	-483.4	981.8	970.9	10.88	90.259			
3,100.0	3,093.2	3,026.2	3,023.3	6.3	5.6	134.47	-725.4	-490.2	993.5	982.3	11.24	88.371 SF			

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 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 32-19 - ENCANA - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						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		
8,500.0	7,435.0	7,425.6	7,423.7	29.4	13.1	90.12	-1,800.2	-310.7	948.8	907.9	40.90	23.200		
8,600.0	7,435.0	7,425.6	7,423.7	30.9	13.1	90.12	-1,800.2	-310.7	903.8	861.3	42.48	21.275		
8,700.0	7,435.0	7,425.5	7,423.6	32.4	13.1	90.11	-1,800.2	-310.7	867.9	823.9	44.08	19.690		
8,800.0	7,435.0	7,425.5	7,423.6	34.0	13.1	90.11	-1,800.2	-310.7	842.5	796.9	45.70	18.438		
8,900.0	7,435.0	7,425.4	7,423.5	35.5	13.1	90.11	-1,800.2	-310.7	828.5	781.2	47.33	17.506		
8,967.2	7,435.0	7,425.4	7,423.5	36.6	13.1	90.10	-1,800.2	-310.7	825.8	777.4	48.43	17.051	CC, ES	
9,000.0	7,435.0	7,425.4	7,423.5	37.1	13.1	90.10	-1,800.2	-310.7	826.4	777.5	48.97	16.877		
9,100.0	7,435.0	7,425.3	7,423.4	38.7	13.1	90.10	-1,800.2	-310.7	836.4	785.8	50.62	16.523		
9,200.0	7,435.0	7,425.3	7,423.3	40.4	13.1	90.09	-1,800.2	-310.7	858.0	805.7	52.28	16.411	SF	
9,300.0	7,435.0	7,425.2	7,423.3	42.0	13.1	90.09	-1,800.2	-310.7	890.3	836.4	53.95	16.503		
9,400.0	7,435.0	7,425.2	7,423.2	43.6	13.1	90.09	-1,800.2	-310.7	932.3	876.7	55.63	16.761		
9,500.0	7,435.0	7,425.1	7,423.2	45.3	13.1	90.08	-1,800.2	-310.7	982.8	925.4	57.31	17.149		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS 33-19 - ENCANA - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Offset				Semi Major Axis			Distance						Warning	
Reference		Offset		Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	(ft)	(ft)		+N/-S (ft)	+E/-W (ft)		(ft)				
10,000.0	7,435.0	7,433.5	7,430.8	53.6	13.2	89.99	-3,119.9	-407.2	965.9	900.1	65.81	14.678		
10,100.0	7,435.0	7,433.3	7,430.6	55.3	13.2	89.97	-3,119.9	-407.2	941.0	873.5	67.51	13.939		
10,200.0	7,435.0	7,433.1	7,430.4	57.0	13.2	89.96	-3,119.9	-407.2	926.4	857.1	69.22	13.383		
10,286.9	7,435.0	7,432.9	7,430.2	58.4	13.2	89.95	-3,119.9	-407.2	922.3	851.6	70.71	13.043 CC		
10,300.0	7,435.0	7,432.9	7,430.2	58.7	13.2	89.95	-3,119.9	-407.2	922.4	851.4	70.93	13.003 ES		
10,400.0	7,435.0	7,432.7	7,430.0	60.4	13.2	89.94	-3,119.9	-407.2	929.2	856.5	72.65	12.790		
10,500.0	7,435.0	7,432.4	7,429.8	62.1	13.2	89.92	-3,119.9	-407.2	946.6	872.2	74.37	12.729 SF		
10,600.0	7,435.0	7,432.2	7,429.5	63.8	13.2	89.91	-3,119.9	-407.2	974.0	897.9	76.08	12.801		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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		
8,100.0	7,435.0	7,417.6	7,415.3	23.7	13.2	-90.15	-1,778.7	989.7	969.8	935.0	34.81	27.858	9.874 CC, ES 9.758 SF	
8,200.0	7,435.0	7,417.7	7,415.4	25.0	13.2	-90.16	-1,778.7	989.7	884.0	847.7	36.28	24.365		
8,300.0	7,435.0	7,417.7	7,415.4	26.4	13.2	-90.17	-1,778.7	989.7	801.4	763.6	37.79	21.209		
8,400.0	7,435.0	7,417.8	7,415.5	27.9	13.2	-90.18	-1,778.7	989.7	723.3	683.9	39.32	18.394		
8,500.0	7,435.0	7,417.9	7,415.6	29.4	13.2	-90.19	-1,778.7	989.7	651.1	610.2	40.88	15.927		
8,600.0	7,435.0	7,418.0	7,415.6	30.9	13.2	-90.20	-1,778.7	989.7	587.2	544.7	42.46	13.828		
8,700.0	7,435.0	7,418.0	7,415.7	32.4	13.2	-90.21	-1,778.7	989.7	534.5	490.4	44.07	12.129		
8,800.0	7,435.0	7,418.1	7,415.8	34.0	13.2	-90.22	-1,778.7	989.7	496.5	450.8	45.68	10.868		
8,900.0	7,435.0	7,418.2	7,415.9	35.5	13.2	-90.23	-1,778.7	989.7	476.8	429.5	47.31	10.078		
8,945.8	7,435.0	7,418.2	7,415.9	36.3	13.2	-90.23	-1,778.7	989.7	474.6	426.5	48.06			
9,000.0	7,435.0	7,418.2	7,415.9	37.1	13.2	-90.23	-1,778.7	989.7	477.7	428.7	48.96			
9,100.0	7,435.0	7,418.3	7,416.0	38.7	13.2	-90.24	-1,778.7	989.7	499.0	448.4	50.61	9.861		
9,200.0	7,435.0	7,418.4	7,416.1	40.4	13.2	-90.25	-1,778.7	989.7	538.4	486.1	52.27	10.301		
9,300.0	7,435.0	7,418.5	7,416.2	42.0	13.2	-90.26	-1,778.7	989.6	592.2	538.3	53.94	10.980		
9,400.0	7,435.0	7,418.5	7,416.2	43.6	13.2	-90.27	-1,778.7	989.6	657.0	601.3	55.61	11.813		
9,500.0	7,435.0	7,418.6	7,416.3	45.3	13.2	-90.28	-1,778.7	989.6	729.7	672.4	57.29	12.736		
9,600.0	7,435.0	7,418.7	7,416.4	46.9	13.2	-90.29	-1,778.7	989.6	808.3	749.3	58.98	13.704		
9,700.0	7,435.0	7,418.8	7,416.5	48.6	13.2	-90.30	-1,778.7	989.6	891.1	830.5	60.67	14.688		
9,800.0	7,435.0	7,418.9	7,416.6	50.2	13.2	-90.31	-1,778.7	989.6	977.2	914.9	62.37	15.669		

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 1G-19H-B2685
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 1G-19H-B2685	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		
9,700.0	7,435.0	7,671.7	7,427.4	48.6	28.9	-89.95	-3,266.6	1,124.7	953.9	892.3	61.54	15.499		
9,800.0	7,435.0	7,671.4	7,427.1	50.2	28.9	-89.92	-3,266.6	1,124.7	879.3	816.1	63.24	13.904		
9,900.0	7,435.0	7,671.1	7,426.8	51.9	28.9	-89.89	-3,266.6	1,124.7	810.2	745.3	64.94	12.476		
10,000.0	7,435.0	7,670.9	7,426.6	53.6	28.9	-89.86	-3,266.6	1,124.7	748.1	681.5	66.64	11.226		
10,100.0	7,435.0	7,670.6	7,426.3	55.3	28.9	-89.84	-3,266.6	1,124.7	695.0	626.6	68.35	10.168		
10,200.0	7,435.0	7,670.0	7,425.7	57.0	28.9	-89.78	-3,266.6	1,124.7	652.9	582.8	70.06	9.319		
10,300.0	7,435.0	7,670.0	7,425.7	58.7	28.9	-89.78	-3,266.6	1,124.7	624.1	552.4	71.77	8.696		
10,400.0	7,435.0	7,669.7	7,425.4	60.4	28.9	-89.76	-3,266.6	1,124.7	610.6	537.1	73.49	8.309		
10,433.6	7,435.0	7,669.6	7,425.3	60.9	28.9	-89.75	-3,266.6	1,124.7	609.7	535.6	74.07	8.231 CC, ES		
10,500.0	7,435.0	7,669.4	7,425.1	62.1	28.9	-89.73	-3,266.6	1,124.7	613.3	538.1	75.21	8.155 SF		
10,600.0	7,435.0	7,669.1	7,424.8	63.8	28.9	-89.70	-3,266.6	1,124.7	632.0	555.0	76.92	8.215		
10,700.0	7,435.0	7,668.9	7,424.6	65.5	28.9	-89.68	-3,266.6	1,124.7	665.3	586.7	78.65	8.460		
10,800.0	7,435.0	7,668.6	7,424.3	67.2	28.9	-89.65	-3,266.6	1,124.7	711.3	630.9	80.37	8.850		
10,900.0	7,435.0	7,668.3	7,424.0	68.9	28.9	-89.62	-3,266.6	1,124.7	767.6	685.5	82.09	9.350		
11,000.0	7,435.0	7,668.0	7,423.7	70.6	28.9	-89.60	-3,266.6	1,124.7	832.1	748.3	83.82	9.928		
11,100.0	7,435.0	7,667.7	7,423.4	72.3	28.9	-89.57	-3,266.6	1,124.7	903.2	817.6	85.54	10.558		
11,200.0	7,435.0	7,667.4	7,423.1	74.0	28.9	-89.54	-3,266.6	1,124.7	979.3	892.0	87.27	11.221		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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 (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	
4,100.0	4,090.2	4,123.5	4,121.2	8.4	7.5	67.81	-891.1	673.1	995.2	979.6	15.60	63.796	
4,200.0	4,189.9	4,224.7	4,222.3	8.7	7.6	68.32	-887.4	669.7	987.5	971.5	16.00	61.718	
4,300.0	4,289.6	4,321.8	4,319.3	8.9	7.8	68.76	-883.5	667.3	980.0	963.6	16.39	59.783	
4,400.0	4,389.3	4,417.0	4,414.4	9.1	8.0	69.20	-879.9	665.1	972.9	956.1	16.78	57.971	
4,500.0	4,489.0	4,512.1	4,509.4	9.3	8.2	69.65	-876.7	663.0	966.2	949.0	17.17	56.268	
4,600.0	4,588.7	4,603.2	4,600.4	9.6	8.3	70.07	-874.2	661.6	960.3	942.7	17.55	54.712	
4,700.0	4,688.4	4,700.4	4,697.6	9.8	8.5	70.50	-871.9	660.4	955.0	937.1	17.94	53.219	
4,800.0	4,788.1	4,799.6	4,796.8	10.0	8.7	70.95	-869.6	659.4	949.9	931.6	18.34	51.793	
4,900.0	4,887.8	4,895.8	4,893.0	10.2	8.9	71.39	-867.6	658.4	945.1	926.3	18.73	50.453	
5,000.0	4,987.5	4,992.6	4,989.7	10.4	9.0	71.83	-865.9	657.5	940.6	921.5	19.13	49.182	
5,100.0	5,087.2	5,089.4	5,086.5	10.7	9.2	72.29	-864.4	656.7	936.6	917.0	19.52	47.981	
5,200.0	5,186.9	5,187.0	5,184.1	10.9	9.4	72.75	-863.2	655.9	932.8	912.9	19.92	46.838	
5,300.0	5,286.6	5,284.1	5,281.2	11.1	9.5	73.23	-862.3	655.0	929.3	909.0	20.31	45.754	
5,400.0	5,386.3	5,384.7	5,381.8	11.3	9.7	73.73	-861.6	654.0	926.1	905.4	20.72	44.705	
5,500.0	5,486.0	5,480.2	5,477.3	11.5	9.9	74.22	-860.9	653.1	923.0	901.9	21.11	43.722	
5,600.0	5,585.7	5,578.1	5,575.2	11.8	10.0	74.72	-860.7	652.1	920.3	898.8	21.51	42.787	
5,700.0	5,685.4	5,676.6	5,673.6	12.0	10.2	75.23	-860.5	651.3	917.9	896.0	21.91	41.895	
5,800.0	5,785.1	5,775.2	5,772.2	12.2	10.4	75.71	-860.3	651.0	915.6	893.3	22.31	41.046	
5,900.0	5,884.8	5,874.9	5,872.0	12.4	10.5	76.18	-860.1	650.8	913.5	890.8	22.71	40.230	
6,000.0	5,984.5	5,975.8	5,972.9	12.6	10.7	76.66	-859.8	650.8	911.4	888.3	23.11	39.439	
6,100.0	6,084.2	6,077.1	6,074.1	12.9	10.9	77.13	-859.3	650.8	909.2	885.7	23.51	38.668	
6,200.0	6,183.9	6,181.1	6,178.2	13.1	11.1	77.64	-858.6	650.5	906.7	882.8	23.92	37.906	
6,300.0	6,283.6	6,285.0	6,282.1	13.3	11.3	78.11	-857.2	650.5	903.8	879.5	24.33	37.155	
6,400.0	6,383.3	6,378.5	6,375.6	13.5	11.4	78.52	-855.9	650.9	901.0	876.3	24.71	36.460	
6,500.0	6,483.0	6,479.0	6,476.0	13.7	11.6	78.96	-855.0	651.5	898.7	873.6	25.11	35.791	
6,600.0	6,582.7	6,579.1	6,576.2	14.0	11.8	79.40	-853.9	652.0	896.3	870.8	25.51	35.136	
6,700.0	6,682.4	6,674.0	6,671.1	14.2	11.9	79.84	-853.2	652.1	894.2	868.3	25.90	34.523	
6,736.4	6,718.6	6,708.9	6,705.9	14.3	12.0	80.02	-853.1	652.0	893.6	867.5	26.04	34.310	
6,750.0	6,732.2	6,722.9	6,719.9	14.3	12.0	80.20	-853.0	652.0	893.2	867.1	26.09	34.234	
6,800.0	6,782.0	6,774.3	6,771.3	14.4	12.1	80.10	-852.8	652.1	889.7	863.5	26.20	33.960	
6,850.0	6,831.5	6,826.3	6,823.3	14.5	12.2	80.12	-852.4	652.3	882.8	856.5	26.21	33.683	
6,900.0	6,880.4	6,878.5	6,875.5	14.6	12.3	80.12	-851.9	652.6	872.2	846.1	26.12	33.397	
6,950.0	6,928.6	6,926.7	6,923.7	14.7	12.3	80.12	-851.2	653.0	858.3	832.4	25.92	33.110	
7,000.0	6,975.7	6,971.6	6,968.6	14.9	12.4	80.12	-850.6	653.4	841.2	815.6	25.63	32.825	
7,050.0	7,021.6	7,016.8	7,013.8	15.0	12.5	80.12	-850.1	653.8	821.0	795.8	25.24	32.530	
7,100.0	7,066.1	7,063.0	7,060.0	15.1	12.6	80.12	-849.6	654.1	797.7	773.0	24.77	32.210	
7,150.0	7,108.8	7,106.6	7,103.6	15.3	12.7	80.12	-849.0	654.4	771.4	747.2	24.21	31.861	
7,200.0	7,149.7	7,145.5	7,142.5	15.4	12.7	80.12	-848.5	654.6	742.3	718.8	23.58	31.477	
7,250.0	7,188.5	7,182.4	7,179.4	15.6	12.8	80.12	-848.1	654.8	710.7	687.8	22.90	31.034	
7,300.0	7,225.0	7,216.8	7,213.8	15.9	12.8	80.12	-847.8	654.9	676.6	654.5	22.19	30.495	
7,350.0	7,259.1	7,248.6	7,245.6	16.1	12.9	80.12	-847.6	655.1	640.4	618.9	21.49	29.801	
7,400.0	7,290.5	7,278.2	7,275.2	16.4	12.9	80.12	-847.6	655.1	602.2	581.3	20.87	28.854	
7,450.0	7,319.1	7,305.6	7,302.6	16.7	13.0	80.12	-847.6	655.2	562.1	541.7	20.44	27.504	
7,500.0	7,344.9	7,331.3	7,328.3	17.1	13.0	80.12	-847.7	655.2	520.5	500.1	20.38	25.544	
7,550.0	7,367.6	7,354.1	7,351.1	17.5	13.1	80.12	-847.8	655.2	477.5	456.6	20.92	22.829	
7,600.0	7,387.1	7,373.8	7,370.8	17.9	13.1	80.12	-847.8	655.1	433.5	411.2	22.27	19.465	
7,650.0	7,403.4	7,390.3	7,387.2	18.4	13.1	80.12	-847.9	655.1	388.8	364.4	24.42	15.923	
7,700.0	7,416.4	7,403.5	7,400.5	18.9	13.2	80.12	-848.0	655.0	344.0	317.1	26.93	12.775	
7,750.0	7,426.0	7,413.4	7,410.4	19.4	13.2	80.12	-848.0	655.0	299.6	270.5	29.12	10.289	
7,800.0	7,432.2	7,419.9	7,416.9	20.0	13.2	80.12	-848.1	654.9	256.6	226.0	30.60	8.387	
7,850.0	7,434.9	7,422.9	7,419.9	20.5	13.2	80.12	-848.1	654.9	216.4	184.9	31.46	6.879	
7,863.7	7,435.0	7,423.2	7,420.1	20.7	13.2	80.12	-848.1	654.9	206.1	174.5	31.63	6.516	

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 1G-19H-B2685
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 1G-19H-B2685	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 (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,900.0	7,435.0	7,423.4	7,420.4	21.1	13.2	-90.14	-848.1	654.9	181.1	149.0	32.11	5.641		
8,000.0	7,435.0	7,424.0	7,421.0	22.4	13.2	-90.40	-848.1	654.9	140.7	107.2	33.47	4.202		
8,015.1	7,435.0	7,424.1	7,421.1	22.6	13.2	-90.44	-848.1	654.9	139.9	106.2	33.69	4.152 CC, ES, SF		
8,100.0	7,435.0	7,424.6	7,421.6	23.7	13.2	-90.66	-848.1	654.9	163.6	128.7	34.89	4.689		
8,200.0	7,435.0	7,425.3	7,422.2	25.0	13.2	-90.92	-848.1	654.9	231.8	195.5	36.36	6.376		
8,300.0	7,435.0	7,425.9	7,422.9	26.4	13.2	-91.18	-848.1	654.9	317.4	279.5	37.86	8.382		
8,400.0	7,435.0	7,426.5	7,423.5	27.9	13.2	-91.44	-848.1	654.9	409.5	370.1	39.39	10.395		
8,500.0	7,435.0	7,427.2	7,424.2	29.4	13.2	-91.71	-848.1	654.9	504.7	463.7	40.95	12.323		
8,600.0	7,435.0	7,427.9	7,424.8	30.9	13.2	-91.98	-848.1	654.9	601.4	558.8	42.53	14.140		
8,700.0	7,435.0	7,428.5	7,425.5	32.4	13.2	-92.26	-848.1	654.9	699.0	654.9	44.12	15.842		
8,800.0	7,435.0	7,429.2	7,426.2	34.0	13.2	-92.54	-848.1	654.9	797.2	751.5	45.73	17.433		
8,900.0	7,435.0	7,429.9	7,426.9	35.5	13.2	-92.82	-848.1	654.9	895.9	848.5	47.35	18.919		
9,000.0	7,435.0	7,430.6	7,427.6	37.1	13.2	-93.10	-848.1	654.8	994.8	945.8	48.98	20.308		

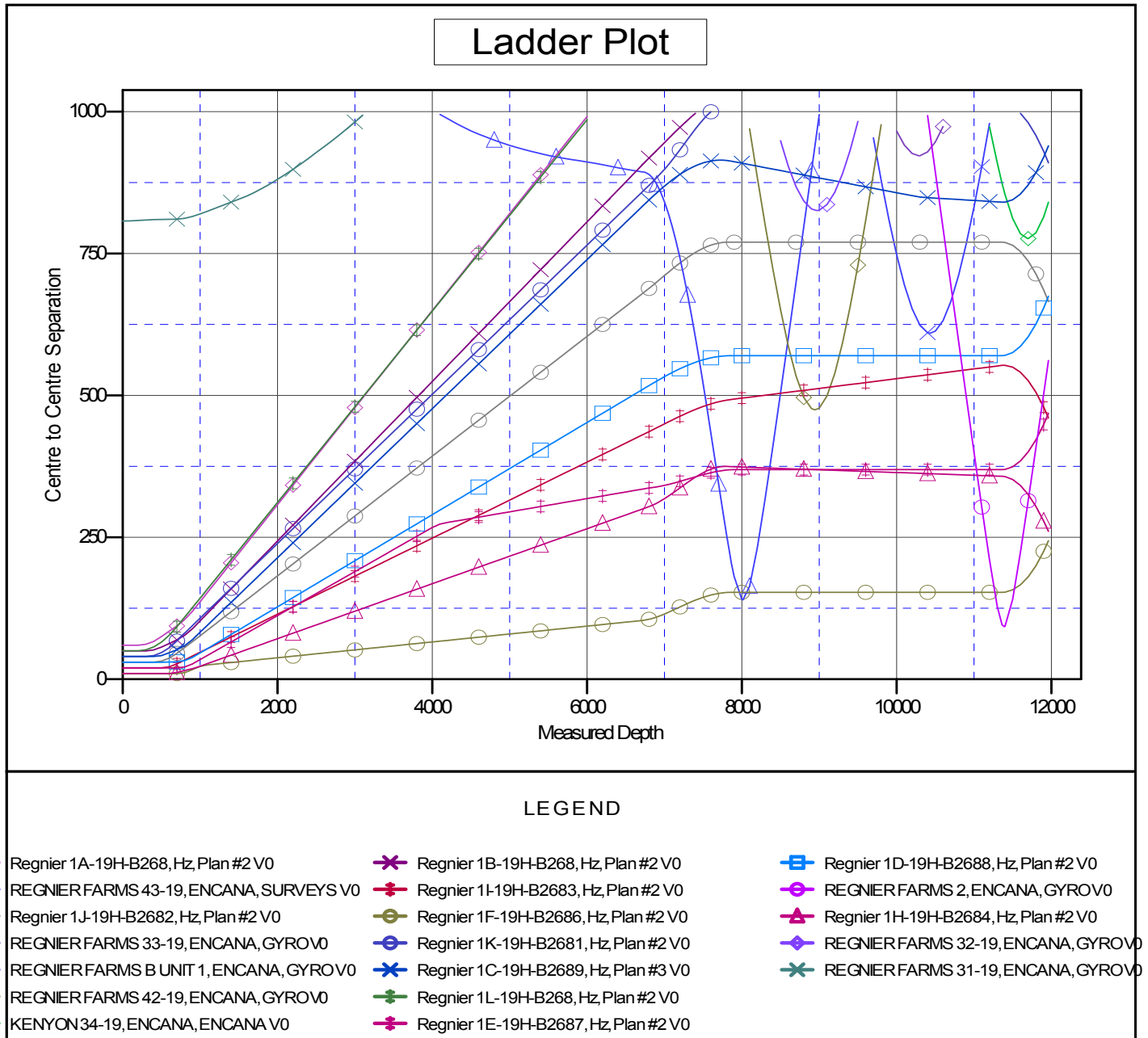
Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Regnier 1G-19H-B2685
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 1G-19H-B2685	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 1G-19H-B2685
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