

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>North Reference:</b>	True
<b>Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

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

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 1J-19H-B2682					
Well Position	+N/-S	0.0 ft	Northing:	1,290,974.32 ft	Latitude:	40.131207
	+E/-W	0.0 ft	Easting:	3,127,793.47 ft	Longitude:	-105.042986
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,965.0 ft

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

<b>Design</b>	Plan #3			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	180.00

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
925.3	10.51	87.75	922.4	1.9	48.0	2.00	2.00	0.00	87.75	
6,827.6	10.51	87.75	6,725.7	44.2	1,123.4	0.00	0.00	0.00	0.00	
7,957.8	90.00	180.00	7,435.0	-672.0	1,254.9	8.00	7.03	8.16	92.21	
12,057.8	90.00	180.00	7,435.0	-4,772.0	1,254.9	0.00	0.00	0.00	0.00	Regnier 1J PBHL

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<b>Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

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	Start Build 2.00
500.0	2.00	87.75	500.0	0.1	1.7	-0.1	2.00	2.00	
600.0	4.00	87.75	599.8	0.3	7.0	-0.3	2.00	2.00	
700.0	6.00	87.75	699.5	0.6	15.7	-0.6	2.00	2.00	
800.0	8.00	87.75	798.7	1.1	27.9	-1.1	2.00	2.00	
900.0	10.00	87.75	897.5	1.7	43.5	-1.7	2.00	2.00	
925.3	10.51	87.75	922.4	1.9	48.0	-1.9	2.00	2.00	Start 5902.3 hold at 925.3 MD
1,000.0	10.51	87.75	995.8	2.4	61.6	-2.4	0.00	0.00	
1,100.0	10.51	87.75	1,094.1	3.1	79.8	-3.1	0.00	0.00	
1,200.0	10.51	87.75	1,192.5	3.9	98.0	-3.9	0.00	0.00	
1,300.0	10.51	87.75	1,290.8	4.6	116.3	-4.6	0.00	0.00	
1,400.0	10.51	87.75	1,389.1	5.3	134.5	-5.3	0.00	0.00	
1,500.0	10.51	87.75	1,487.4	6.0	152.7	-6.0	0.00	0.00	
1,600.0	10.51	87.75	1,585.7	6.7	170.9	-6.7	0.00	0.00	
1,700.0	10.51	87.75	1,684.1	7.4	189.1	-7.4	0.00	0.00	
1,800.0	10.51	87.75	1,782.4	8.2	207.4	-8.2	0.00	0.00	
1,900.0	10.51	87.75	1,880.7	8.9	225.6	-8.9	0.00	0.00	
2,000.0	10.51	87.75	1,979.0	9.6	243.8	-9.6	0.00	0.00	
2,100.0	10.51	87.75	2,077.4	10.3	262.0	-10.3	0.00	0.00	
2,200.0	10.51	87.75	2,175.7	11.0	280.2	-11.0	0.00	0.00	
2,300.0	10.51	87.75	2,274.0	11.7	298.5	-11.7	0.00	0.00	
2,400.0	10.51	87.75	2,372.3	12.4	316.7	-12.4	0.00	0.00	
2,500.0	10.51	87.75	2,470.7	13.2	334.9	-13.2	0.00	0.00	
2,600.0	10.51	87.75	2,569.0	13.9	353.1	-13.9	0.00	0.00	
2,700.0	10.51	87.75	2,667.3	14.6	371.4	-14.6	0.00	0.00	
2,800.0	10.51	87.75	2,765.6	15.3	389.6	-15.3	0.00	0.00	
2,900.0	10.51	87.75	2,864.0	16.0	407.8	-16.0	0.00	0.00	
3,000.0	10.51	87.75	2,962.3	16.7	426.0	-16.7	0.00	0.00	
3,100.0	10.51	87.75	3,060.6	17.5	444.2	-17.5	0.00	0.00	
3,200.0	10.51	87.75	3,158.9	18.2	462.5	-18.2	0.00	0.00	
3,300.0	10.51	87.75	3,257.2	18.9	480.7	-18.9	0.00	0.00	
3,400.0	10.51	87.75	3,355.6	19.6	498.9	-19.6	0.00	0.00	
3,500.0	10.51	87.75	3,453.9	20.3	517.1	-20.3	0.00	0.00	
3,600.0	10.51	87.75	3,552.2	21.0	535.3	-21.0	0.00	0.00	
3,700.0	10.51	87.75	3,650.5	21.8	553.6	-21.8	0.00	0.00	
3,800.0	10.51	87.75	3,748.9	22.5	571.8	-22.5	0.00	0.00	
3,900.0	10.51	87.75	3,847.2	23.2	590.0	-23.2	0.00	0.00	
4,000.0	10.51	87.75	3,945.5	23.9	608.2	-23.9	0.00	0.00	
4,100.0	10.51	87.75	4,043.8	24.6	626.4	-24.6	0.00	0.00	
4,200.0	10.51	87.75	4,142.2	25.3	644.7	-25.3	0.00	0.00	
4,300.0	10.51	87.75	4,240.5	26.1	662.9	-26.1	0.00	0.00	
4,333.1	10.51	87.75	4,273.0	26.3	668.9	-26.3	0.00	0.00	Sussex
4,400.0	10.51	87.75	4,338.8	26.8	681.1	-26.8	0.00	0.00	
4,500.0	10.51	87.75	4,437.1	27.5	699.3	-27.5	0.00	0.00	
4,600.0	10.51	87.75	4,535.5	28.2	717.5	-28.2	0.00	0.00	
4,700.0	10.51	87.75	4,633.8	28.9	735.8	-28.9	0.00	0.00	
4,800.0	10.51	87.75	4,732.1	29.6	754.0	-29.6	0.00	0.00	

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<b>Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

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
4,885.3	10.51	87.75	4,816.0	30.2	769.5	-30.2	0.00	0.00	Shannon
4,900.0	10.51	87.75	4,830.4	30.4	772.2	-30.4	0.00	0.00	
5,000.0	10.51	87.75	4,928.7	31.1	790.4	-31.1	0.00	0.00	
5,100.0	10.51	87.75	5,027.1	31.8	808.7	-31.8	0.00	0.00	
5,200.0	10.51	87.75	5,125.4	32.5	826.9	-32.5	0.00	0.00	
5,300.0	10.51	87.75	5,223.7	33.2	845.1	-33.2	0.00	0.00	
5,400.0	10.51	87.75	5,322.0	33.9	863.3	-33.9	0.00	0.00	
5,500.0	10.51	87.75	5,420.4	34.7	881.5	-34.7	0.00	0.00	
5,600.0	10.51	87.75	5,518.7	35.4	899.8	-35.4	0.00	0.00	
5,700.0	10.51	87.75	5,617.0	36.1	918.0	-36.1	0.00	0.00	
5,800.0	10.51	87.75	5,715.3	36.8	936.2	-36.8	0.00	0.00	
5,900.0	10.51	87.75	5,813.7	37.5	954.4	-37.5	0.00	0.00	
6,000.0	10.51	87.75	5,912.0	38.2	972.6	-38.2	0.00	0.00	
6,100.0	10.51	87.75	6,010.3	38.9	990.9	-38.9	0.00	0.00	
6,200.0	10.51	87.75	6,108.6	39.7	1,009.1	-39.7	0.00	0.00	
6,300.0	10.51	87.75	6,206.9	40.4	1,027.3	-40.4	0.00	0.00	
6,400.0	10.51	87.75	6,305.3	41.1	1,045.5	-41.1	0.00	0.00	
6,500.0	10.51	87.75	6,403.6	41.8	1,063.7	-41.8	0.00	0.00	
6,600.0	10.51	87.75	6,501.9	42.5	1,082.0	-42.5	0.00	0.00	
6,700.0	10.51	87.75	6,600.2	43.2	1,100.2	-43.2	0.00	0.00	
6,712.0	10.51	87.75	6,612.0	43.3	1,102.4	-43.3	0.00	0.00	
6,800.0	10.51	87.75	6,698.6	44.0	1,118.4	-44.0	0.00	0.00	Teepee Buttes (*if present)
6,827.6	10.51	87.75	6,725.7	44.2	1,123.4	-44.2	0.00	0.00	
6,900.0	11.78	117.32	6,796.8	41.0	1,136.6	-41.0	8.00	1.76	
7,000.0	16.95	142.54	6,893.7	24.7	1,154.6	-24.7	8.00	5.16	
7,100.0	23.71	155.04	6,987.5	-5.1	1,171.9	5.1	8.00	6.76	
7,200.0	31.04	162.07	7,076.3	-47.9	1,188.4	47.9	8.00	7.33	
7,300.0	38.62	166.58	7,158.3	-102.9	1,203.6	102.9	8.00	7.58	Sharon Springs
7,311.2	39.47	167.00	7,167.0	-109.8	1,205.2	109.8	8.00	7.66	
7,400.0	46.32	169.81	7,232.0	-168.9	1,217.3	168.9	8.00	7.71	
7,441.8	49.56	170.91	7,260.0	-199.5	1,222.4	199.5	8.00	7.76	Niobrara
7,500.0	54.09	172.29	7,296.0	-244.8	1,229.1	244.8	8.00	7.78	
7,561.6	58.90	173.58	7,330.0	-295.8	1,235.4	295.8	8.00	7.81	
7,600.0	61.90	174.32	7,348.9	-328.9	1,238.9	328.9	8.00	7.82	B Marl
7,619.7	63.44	174.69	7,358.0	-346.4	1,240.6	346.4	8.00	7.83	
7,700.0	69.74	176.08	7,389.9	-419.8	1,246.5	419.8	8.00	7.84	
7,800.0	77.59	177.66	7,418.0	-515.5	1,251.7	515.5	8.00	7.85	C Chalk
7,836.9	80.50	178.22	7,425.0	-551.7	1,253.0	551.7	8.00	7.86	
7,900.0	85.46	179.16	7,432.7	-614.3	1,254.5	614.3	8.00	7.86	
7,957.8	90.00	180.00	7,435.0	-672.0	1,254.9	672.0	8.00	7.87	Start 4100.0 hold at 7957.8 MD
8,000.0	90.00	180.00	7,435.0	-714.2	1,254.9	714.2	0.00	0.00	
8,100.0	90.00	180.00	7,435.0	-814.2	1,254.9	814.2	0.00	0.00	
8,200.0	90.00	180.00	7,435.0	-914.2	1,254.9	914.2	0.00	0.00	
8,300.0	90.00	180.00	7,435.0	-1,014.2	1,254.9	1,014.2	0.00	0.00	
8,400.0	90.00	180.00	7,435.0	-1,114.2	1,254.9	1,114.2	0.00	0.00	
8,500.0	90.00	180.00	7,435.0	-1,214.2	1,254.9	1,214.2	0.00	0.00	
8,600.0	90.00	180.00	7,435.0	-1,314.2	1,254.9	1,314.2	0.00	0.00	
8,700.0	90.00	180.00	7,435.0	-1,414.2	1,254.9	1,414.2	0.00	0.00	
8,800.0	90.00	180.00	7,435.0	-1,514.2	1,254.9	1,514.2	0.00	0.00	
8,900.0	90.00	180.00	7,435.0	-1,614.2	1,254.9	1,614.2	0.00	0.00	
9,000.0	90.00	180.00	7,435.0	-1,714.2	1,254.9	1,714.2	0.00	0.00	
9,100.0	90.00	180.00	7,435.0	-1,814.2	1,254.9	1,814.2	0.00	0.00	

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<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

### 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	-1,914.2	1,254.9	1,914.2	0.00	0.00	
9,300.0	90.00	180.00	7,435.0	-2,014.2	1,254.9	2,014.2	0.00	0.00	
9,400.0	90.00	180.00	7,435.0	-2,114.2	1,254.9	2,114.2	0.00	0.00	
9,500.0	90.00	180.00	7,435.0	-2,214.2	1,254.9	2,214.2	0.00	0.00	
9,600.0	90.00	180.00	7,435.0	-2,314.2	1,254.9	2,314.2	0.00	0.00	
9,700.0	90.00	180.00	7,435.0	-2,414.2	1,254.9	2,414.2	0.00	0.00	
9,800.0	90.00	180.00	7,435.0	-2,514.2	1,254.9	2,514.2	0.00	0.00	
9,900.0	90.00	180.00	7,435.0	-2,614.2	1,254.9	2,614.2	0.00	0.00	
10,000.0	90.00	180.00	7,435.0	-2,714.2	1,254.9	2,714.2	0.00	0.00	
10,100.0	90.00	180.00	7,435.0	-2,814.2	1,254.9	2,814.2	0.00	0.00	
10,200.0	90.00	180.00	7,435.0	-2,914.2	1,254.9	2,914.2	0.00	0.00	
10,300.0	90.00	180.00	7,435.0	-3,014.2	1,254.9	3,014.2	0.00	0.00	
10,400.0	90.00	180.00	7,435.0	-3,114.2	1,254.9	3,114.2	0.00	0.00	
10,500.0	90.00	180.00	7,435.0	-3,214.2	1,254.9	3,214.2	0.00	0.00	
10,600.0	90.00	180.00	7,435.0	-3,314.2	1,254.9	3,314.2	0.00	0.00	
10,700.0	90.00	180.00	7,435.0	-3,414.2	1,254.9	3,414.2	0.00	0.00	
10,800.0	90.00	180.00	7,435.0	-3,514.2	1,254.9	3,514.2	0.00	0.00	
10,900.0	90.00	180.00	7,435.0	-3,614.2	1,254.9	3,614.2	0.00	0.00	
11,000.0	90.00	180.00	7,435.0	-3,714.2	1,254.9	3,714.2	0.00	0.00	
11,100.0	90.00	180.00	7,435.0	-3,814.2	1,254.9	3,814.2	0.00	0.00	
11,200.0	90.00	180.00	7,435.0	-3,914.2	1,254.9	3,914.2	0.00	0.00	
11,300.0	90.00	180.00	7,435.0	-4,014.2	1,254.9	4,014.2	0.00	0.00	
11,400.0	90.00	180.00	7,435.0	-4,114.2	1,254.9	4,114.2	0.00	0.00	
11,500.0	90.00	180.00	7,435.0	-4,214.2	1,254.9	4,214.2	0.00	0.00	
11,600.0	90.00	180.00	7,435.0	-4,314.2	1,254.9	4,314.2	0.00	0.00	
11,700.0	90.00	180.00	7,435.0	-4,414.2	1,254.9	4,414.2	0.00	0.00	
11,800.0	90.00	180.00	7,435.0	-4,514.2	1,254.9	4,514.2	0.00	0.00	
11,900.0	90.00	180.00	7,435.0	-4,614.2	1,254.9	4,614.2	0.00	0.00	
12,000.0	90.00	180.00	7,435.0	-4,714.2	1,254.9	4,714.2	0.00	0.00	
12,057.8	90.00	180.00	7,435.0	-4,772.0	1,254.9	4,772.0	0.00	0.00	TD at 12057.8

### 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 1J PBHL	0.00	0.30	7,435.0	-4,772.0	1,254.9	1,286,208.83	3,129,072.93	40.118107	-105.038499
- plan hits target center									
- Point									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>North Reference:</b>	True
<b>Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
250.0	250.0	Fox Hills - BASE				
4,333.1	4,273.0	Sussex				
4,885.3	4,816.0	Shannon				
6,712.0	6,612.0	Teepee Buttes (*if present)				
7,311.2	7,167.0	Sharon Springs				
7,441.8	7,260.0	Niobrara				
7,561.6	7,330.0	B Chalk				
7,619.7	7,358.0	B Marl				
7,836.9	7,425.0	C Chalk				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
400.0	400.0	0.0	0.0	Start Build 2.00	
925.3	922.4	1.9	48.0	Start 5902.3 hold at 925.3 MD	
6,827.6	6,725.7	44.2	1,123.4	Start DLS 8.00 TFO 92.21	
7,957.8	7,435.0	-672.0	1,254.9	Start 4100.0 hold at 7957.8 MD	
12,057.8	7,435.0	-4,772.0	1,254.9	TD at 12057.8	

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

**DJ Wattenberg**

**S19-T2N-R68W (Rasmussen/Regnier)**

**Regnier 1J-19H-B2682**

**Hz**

**Plan #3**

## **Anticollision Report**

**20 January, 2015**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #3		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 1,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>		<b>Date</b>	1/20/2015		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	12,057.8	Plan #3 (Hz)	Geolink MWD	Geolink MWD	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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)						
Copy of Regnier 1A-19H-B268 - Hz - Plan #2	200.0	200.0	90.1	89.5	138.046	CC, ES
Copy of Regnier 1A-19H-B268 - Hz - Plan #2	700.0	687.7	139.6	137.2	59.015	SF
HANKINS 1 - ENCANA - NO SURVEYS						Out of range
KENYON 34-19 - ENCANA - ENCANA						Out of range
KENYON 4-8-19 - ENCANA - ENCANA						Out of range
KENYON 8-4-19 - ENCANA - SURVEYS	9,939.8	7,843.9	353.6	271.7	4.318	CC, ES, SF
KENYON 8-6-19 - ENCANA - SURVEYS	11,220.4	7,576.0	382.3	295.9	4.426	CC, ES, SF
KENYON 8-8-19 - ENCANA - SURVEYS	12,057.8	7,645.4	545.4	438.9	5.121	CC, ES, SF
LABER 44-24 - ENCANA - NO SURVEYS						Out of range
MABLE M ROSS 1 - AMOCO WELL - NO SURVEYS						Out of range
RASMUSSEN 0-4-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN 0-6-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN 19-11 - ENCANA - GYRO						Out of range
RASMUSSEN 19-12 - ENCANA - GYRO						Out of range
RASMUSSEN 19-14 - ENCANA - GYRO						Out of range
RASMUSSEN 2-8-19 - ENCANA WELL - SURVEYS						Out of range
RASMUSSEN 31-28 - ENCANA - GYRO						Out of range
RASMUSSEN 32-28 - ENCANA - GYRO						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 41-28 - ENCANA - GYRO						Out of range
RASMUSSEN 4-6-19 - ENCANA - SURVEYS						Out of range
RASMUSSEN C UNIT 2 - ENCANA - GYRO						Out of range
RASMUSSEN H UNIT 1 - ENCANA - GYRO						Out of range
Regnier 1A-19H-B268 - Hz - Plan #3	200.0	200.0	90.1	89.5	138.046	CC, ES
Regnier 1A-19H-B268 - Hz - Plan #3	700.0	687.7	139.6	137.2	59.015	SF
Regnier 1B-19H-B268 - Hz - Plan #2	300.0	300.0	80.0	79.0	79.878	CC, ES
Regnier 1B-19H-B268 - Hz - Plan #2	700.0	692.7	115.1	112.7	48.434	SF
Regnier 1C-19H-B2689 - Hz - Plan #4	400.0	400.0	70.2	68.9	51.988	CC, ES
Regnier 1C-19H-B2689 - Hz - Plan #4	700.0	695.8	95.6	93.2	40.120	SF
Regnier 1D-19H-B2688 - Hz - Plan #2	400.0	400.0	60.2	58.8	44.532	CC, ES
Regnier 1D-19H-B2688 - Hz - Plan #2	700.0	699.2	76.6	74.2	32.039	SF
Regnier 1E-19H-B2687 - Hz - Plan #2	400.0	400.0	50.1	48.7	37.075	CC, ES
Regnier 1E-19H-B2687 - Hz - Plan #2	700.0	699.5	65.8	63.4	27.523	SF
Regnier 1F-19H-B2686 - Hz - Plan #2	400.0	400.0	40.0	38.7	29.619	CC, ES
Regnier 1F-19H-B2686 - Hz - Plan #2	12,057.8	11,837.9	895.2	723.7	5.219	SF
Regnier 1G-19H-B2685 - Hz - Plan #2	400.0	400.0	30.2	28.9	22.369	CC, ES
Regnier 1G-19H-B2685 - Hz - Plan #2	12,057.8	11,962.7	665.4	492.7	3.852	SF
Regnier 1H-19H-B2684 - Hz - Plan #2	400.0	400.0	20.1	18.8	14.913	CC, ES
Regnier 1H-19H-B2684 - Hz - Plan #2	12,057.8	12,115.0	459.2	293.3	2.768	SF
Regnier 1I-19H-B2683 - Hz - Plan #3	400.0	400.0	10.1	8.7	7.456	CC, ES
Regnier 1I-19H-B2683 - Hz - Plan #3	12,057.8	11,931.3	235.1	76.7	1.484	Level 3, SF
Regnier 1K-19H-B2681 - Hz - Plan #2	300.0	300.0	9.8	8.8	9.776	CC, ES

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S19-T2N-R68W (Rasmussen/Regnier)						
Regnier 1K-19H-B2681 - Hz - Plan #2	12,057.8	12,228.3	269.0	117.4	1.775	SF
Regnier 1L-19H-B268 - Hz - Plan #2	200.0	200.0	19.9	19.2	30.434	CC, ES
Regnier 1L-19H-B268 - Hz - Plan #2	12,057.8	12,065.8	469.8	300.6	2.777	SF
REGNIER 4-4-19 - ENCANA - SURVEYS						Out of range
REGNIER FARMS 2 - ENCANA - GYRO	11,508.7	7,445.2	677.2	587.4	7.543	CC, ES
REGNIER FARMS 2 - ENCANA - GYRO	11,600.0	7,444.5	683.3	592.0	7.479	SF
REGNIER FARMS 31-19 - ENCANA - GYRO	0.0	0.0	823.2			
REGNIER FARMS 31-19 - ENCANA - GYRO	100.0	89.2	823.4	823.1	2,674.345	ES
REGNIER FARMS 31-19 - ENCANA - GYRO	1,900.0	1,840.0	985.5	977.8	128.938	SF
REGNIER FARMS 32-19 - ENCANA - GYRO						Out of range
REGNIER FARMS 33-19 - ENCANA - GYRO						Out of range
REGNIER FARMS 42-19 - ENCANA - GYRO	9,065.6	7,415.1	295.4	247.3	6.135	CC, ES
REGNIER FARMS 42-19 - ENCANA - GYRO	9,100.0	7,415.2	297.4	248.7	6.105	SF
REGNIER FARMS 43-19 - ENCANA - SURVEYS	10,553.5	7,673.0	160.4	86.2	2.163	CC, ES, SF
REGNIER FARMS B UNIT 1 - ENCANA - GYRO	8,134.9	7,418.8	630.1	596.3	18.639	CC, ES
REGNIER FARMS B UNIT 1 - ENCANA - GYRO	8,300.0	7,419.6	651.4	615.2	18.005	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 - GYRO						Out of range
ROSS 2-4-19 - ENCANA - SURVEYS						Out of range
ROSS 41-24 - ENCANA - GYRO						Out of range
ROSS 4-2-19 - ENCANA WELL - SURVEYS						Out of range
ROSS F 1 - ENCANA - GYRO						Out of range
ROSS G UNIT 1 - ENCANA - GYRO						Out of range
STROMQUIST 43-24 - ENCANA - NO SURVEYS						Out of range

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Copy of 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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-92.32	-3.6	-90.0	90.1					
100.0	100.0	100.0	100.0	0.2	0.2	-92.32	-3.6	-90.0	90.1	89.8	0.30	296.719		
200.0	200.0	200.0	200.0	0.3	0.3	-92.32	-3.6	-90.0	90.1	89.5	0.65	138.046 CC, ES		
300.0	300.0	296.9	296.9	0.5	0.5	-92.29	-3.7	-91.7	91.8	90.8	1.00	91.800		
400.0	400.0	393.6	393.5	0.7	0.7	-92.22	-3.7	-96.6	96.9	95.5	1.36	71.083		
500.0	500.0	490.4	489.9	0.9	0.9	-179.87	-3.9	-104.7	107.0	105.3	1.68	63.587		
600.0	599.8	589.3	588.4	1.0	1.1	-179.78	-4.0	-114.0	121.6	119.5	2.03	60.008		
700.0	699.5	687.7	686.3	1.3	1.3	-179.72	-4.2	-123.2	139.6	137.2	2.37	59.015 SF		
800.0	798.7	785.4	783.6	1.5	1.6	-179.68	-4.3	-132.4	161.1	158.4	2.70	59.634		
900.0	897.5	882.2	880.0	1.8	1.8	-179.65	-4.5	-141.5	185.9	182.9	3.03	61.337		
1,000.0	995.8	978.4	975.8	2.1	2.0	-179.64	-4.6	-150.5	213.2	209.8	3.37	63.311		
1,100.0	1,094.1	1,074.6	1,071.5	2.5	2.3	-179.63	-4.8	-159.6	240.6	236.9	3.71	64.900		
1,200.0	1,192.5	1,170.8	1,167.3	2.8	2.5	-179.62	-4.9	-168.6	268.0	263.9	4.05	66.225		
1,300.0	1,290.8	1,266.9	1,263.0	3.2	2.7	-179.61	-5.1	-177.7	295.4	291.0	4.39	67.345		
1,400.0	1,389.1	1,363.1	1,358.8	3.5	2.9	-179.61	-5.2	-186.7	322.8	318.1	4.73	68.306		
1,500.0	1,487.4	1,459.3	1,454.5	3.9	3.2	-179.60	-5.3	-195.7	350.2	345.1	5.06	69.138		
1,600.0	1,585.7	1,555.5	1,550.3	4.2	3.4	-179.60	-5.5	-204.8	377.6	372.2	5.40	69.866		
1,700.0	1,684.1	1,651.6	1,646.0	4.6	3.6	-179.59	-5.6	-213.8	405.0	399.2	5.74	70.509		
1,800.0	1,782.4	1,747.8	1,741.8	4.9	3.9	-179.59	-5.8	-222.9	432.4	426.3	6.08	71.080		
1,900.0	1,880.7	1,844.0	1,837.5	5.3	4.1	-179.59	-5.9	-231.9	459.8	453.3	6.42	71.591		
2,000.0	1,979.0	1,940.2	1,933.3	5.7	4.3	-179.59	-6.1	-240.9	487.2	480.4	6.76	72.052		
2,100.0	2,077.4	2,036.3	2,029.0	6.0	4.6	-179.58	-6.2	-250.0	514.6	507.5	7.10	72.468		
2,200.0	2,175.7	2,132.5	2,124.7	6.4	4.8	-179.58	-6.4	-259.0	542.0	534.5	7.44	72.847		
2,300.0	2,274.0	2,228.7	2,220.5	6.8	5.0	-179.58	-6.5	-268.1	569.3	561.6	7.78	73.192		
2,400.0	2,372.3	2,324.9	2,316.2	7.1	5.2	-179.58	-6.7	-277.1	596.7	588.6	8.12	73.509		
2,500.0	2,470.7	2,421.0	2,412.0	7.5	5.5	-179.58	-6.8	-286.1	624.1	615.7	8.46	73.801		
2,600.0	2,569.0	2,517.2	2,507.7	7.8	5.7	-179.57	-7.0	-295.2	651.5	642.7	8.80	74.070		
2,700.0	2,667.3	2,613.4	2,603.5	8.2	5.9	-179.57	-7.1	-304.2	678.9	669.8	9.14	74.319		
2,800.0	2,765.6	2,709.6	2,699.2	8.6	6.2	-179.57	-7.2	-313.3	706.3	696.9	9.47	74.550		
2,900.0	2,864.0	2,805.7	2,795.0	8.9	6.4	-179.57	-7.4	-322.3	733.7	723.9	9.81	74.766		
3,000.0	2,962.3	2,901.9	2,890.7	9.3	6.6	-179.57	-7.5	-331.3	761.1	751.0	10.15	74.967		
3,100.0	3,060.6	2,998.1	2,986.5	9.7	6.9	-179.57	-7.7	-340.4	788.5	778.0	10.49	75.155		
3,200.0	3,158.9	3,094.3	3,082.2	10.0	7.1	-179.57	-7.8	-349.4	815.9	805.1	10.83	75.331		
3,300.0	3,257.2	3,190.4	3,178.0	10.4	7.3	-179.57	-8.0	-358.5	843.3	832.1	11.17	75.497		
3,400.0	3,355.6	3,286.6	3,273.7	10.8	7.6	-179.57	-8.1	-367.5	870.7	859.2	11.51	75.653		
3,500.0	3,453.9	3,382.8	3,369.5	11.1	7.8	-179.57	-8.3	-376.5	898.1	886.3	11.85	75.800		
3,600.0	3,552.2	3,478.9	3,465.2	11.5	8.0	-179.57	-8.4	-385.6	925.5	913.3	12.19	75.939		
3,700.0	3,650.5	3,575.1	3,561.0	11.9	8.2	-179.57	-8.6	-394.6	952.9	940.4	12.53	76.070		
3,800.0	3,748.9	3,671.3	3,656.7	12.2	8.5	-179.56	-8.7	-403.7	980.3	967.4	12.87	76.195		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - KENYON 8-4-19 - ENCANA - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 92-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth 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		
9,100.0	7,435.0	7,833.0	7,455.3	42.1	35.8	-88.76	-2,653.9	1,608.5	911.1	843.3	67.83	13.433		
9,200.0	7,435.0	7,834.3	7,456.6	43.5	35.8	-88.97	-2,653.9	1,608.5	819.9	750.4	69.48	11.801		
9,300.0	7,435.0	7,835.6	7,457.9	44.9	35.8	-89.18	-2,653.9	1,608.5	731.0	659.8	71.14	10.275		
9,400.0	7,435.0	7,836.9	7,459.2	46.4	35.8	-89.39	-2,654.0	1,608.5	645.3	572.5	72.80	8.863		
9,500.0	7,435.0	7,838.2	7,460.5	47.9	35.8	-89.60	-2,654.0	1,608.5	564.3	489.8	74.47	7.577		
9,600.0	7,435.0	7,839.5	7,461.8	49.4	35.8	-89.81	-2,654.0	1,608.5	490.4	414.2	76.15	6.440		
9,700.0	7,435.0	7,840.8	7,463.1	50.9	35.8	-90.02	-2,654.0	1,608.5	427.2	349.4	77.83	5.489		
9,800.0	7,435.0	7,842.0	7,464.4	52.4	35.9	-90.23	-2,654.0	1,608.5	380.2	300.7	79.52	4.781		
9,900.0	7,435.0	7,843.3	7,465.7	53.9	35.9	-90.44	-2,654.0	1,608.4	355.8	274.6	81.21	4.381		
9,939.8	7,435.0	7,843.9	7,466.2	54.5	35.9	-90.52	-2,654.1	1,608.4	353.6	271.7	81.88	4.318 CC, ES, SF		
10,000.0	7,435.0	7,844.6	7,467.0	55.5	35.9	-90.64	-2,654.1	1,608.4	358.7	275.8	82.90	4.326		
10,100.0	7,435.0	7,845.9	7,468.3	57.0	35.9	-90.85	-2,654.1	1,608.4	388.2	303.6	84.60	4.588		
10,200.0	7,435.0	7,847.2	7,469.5	58.6	35.9	-91.06	-2,654.1	1,608.4	439.0	352.7	86.29	5.087		
10,300.0	7,435.0	7,848.5	7,470.8	60.2	35.9	-91.27	-2,654.1	1,608.4	504.7	416.7	87.99	5.736		
10,400.0	7,435.0	7,849.8	7,472.1	61.8	35.9	-91.48	-2,654.1	1,608.4	580.3	490.6	89.69	6.470		
10,500.0	7,435.0	7,851.0	7,473.4	63.4	35.9	-91.68	-2,654.1	1,608.4	662.4	571.0	91.40	7.248		
10,600.0	7,435.0	7,852.3	7,474.7	65.0	35.9	-91.89	-2,654.2	1,608.4	748.9	655.8	93.10	8.044		
10,700.0	7,435.0	7,853.6	7,475.9	66.6	35.9	-92.10	-2,654.2	1,608.3	838.3	743.5	94.80	8.843		
10,800.0	7,435.0	7,854.9	7,477.2	68.2	35.9	-92.30	-2,654.2	1,608.3	930.0	833.5	96.51	9.636		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - KENYON 8-6-19 - ENCANA - SURVEYS										Offset Site Error:		0.0 ft	
Survey Program: 91-Geolink MWD										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
10,300.0	7,435.0	7,555.6	7,420.9	60.2	22.1	-83.70	-3,934.1	1,635.5	996.4	926.1	70.34	14.165	
10,400.0	7,435.0	7,557.8	7,423.1	61.8	22.1	-84.02	-3,934.2	1,635.6	904.9	832.8	72.08	12.555	
10,500.0	7,435.0	7,560.0	7,425.4	63.4	22.1	-84.35	-3,934.2	1,635.7	815.4	741.6	73.81	11.047	
10,600.0	7,435.0	7,562.2	7,427.6	65.0	22.1	-84.68	-3,934.3	1,635.8	728.6	653.0	75.55	9.643	
10,700.0	7,435.0	7,564.5	7,429.8	66.6	22.1	-85.02	-3,934.3	1,635.9	645.6	568.3	77.29	8.353	
10,800.0	7,435.0	7,566.7	7,432.0	68.2	22.2	-85.35	-3,934.4	1,636.0	568.1	489.1	79.03	7.188	
10,900.0	7,435.0	7,568.9	7,434.2	69.9	22.2	-85.68	-3,934.4	1,636.2	498.7	418.0	80.78	6.174	
11,000.0	7,435.0	7,571.1	7,436.4	71.5	22.2	-86.01	-3,934.5	1,636.3	441.2	358.7	82.52	5.347	
11,100.0	7,435.0	7,573.3	7,438.6	73.1	22.2	-86.35	-3,934.6	1,636.4	400.8	316.5	84.27	4.756	
11,200.0	7,435.0	7,575.6	7,440.9	74.8	22.2	-86.68	-3,934.6	1,636.5	382.9	296.8	86.01	4.451	
11,220.4	7,435.0	7,576.0	7,441.3	75.1	22.2	-86.75	-3,934.6	1,636.6	382.3	295.9	86.37	4.426 CC, ES, SF	
11,300.0	7,435.0	7,577.8	7,443.1	76.4	22.2	-87.02	-3,934.7	1,636.7	390.5	302.7	87.76	4.450	
11,400.0	7,435.0	7,580.0	7,445.3	78.1	22.2	-87.35	-3,934.7	1,636.8	422.4	332.9	89.50	4.719	
11,500.0	7,435.0	7,582.3	7,447.6	79.8	22.2	-87.69	-3,934.8	1,636.9	473.6	382.4	91.25	5.190	
11,600.0	7,435.0	7,584.5	7,449.8	81.4	22.2	-88.02	-3,934.8	1,637.1	538.7	445.7	92.99	5.793	
11,700.0	7,435.0	7,586.8	7,452.0	83.1	22.2	-88.36	-3,934.9	1,637.2	613.2	518.5	94.73	6.473	
11,800.0	7,435.0	7,589.0	7,454.3	84.8	22.2	-88.70	-3,934.9	1,637.3	694.2	597.7	96.48	7.196	
11,900.0	7,435.0	7,591.3	7,456.5	86.4	22.2	-89.03	-3,935.0	1,637.5	779.6	681.4	98.22	7.938	
12,000.0	7,435.0	7,593.5	7,458.8	88.1	22.2	-89.37	-3,935.1	1,637.6	868.1	768.2	99.95	8.685	
12,057.8	7,435.0	7,594.8	7,460.1	89.1	22.2	-89.57	-3,935.1	1,637.7	920.3	819.4	100.96	9.116	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S19-T2N-R68W (Rasmussen/Regnier) - KENYON 8-8-19 - ENCANA - SURVEYS												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 92-Geolink MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,600.0	7,435.0	7,647.5	7,450.1	81.4	26.5	-88.11	-5,150.7	1,647.2	924.0	825.4	98.59	9.372	
11,700.0	7,435.0	7,647.0	7,449.6	83.1	26.5	-88.04	-5,150.7	1,647.1	834.5	734.2	100.31	8.319	
11,800.0	7,435.0	7,646.6	7,449.1	84.8	26.5	-87.98	-5,150.7	1,647.1	747.8	645.7	102.04	7.328	
11,900.0	7,435.0	7,646.1	7,448.7	86.4	26.5	-87.91	-5,150.7	1,647.1	664.7	561.0	103.77	6.406	
12,000.0	7,435.0	7,645.7	7,448.2	88.1	26.5	-87.84	-5,150.7	1,647.1	587.0	481.5	105.50	5.564	
12,057.8	7,435.0	7,645.4	7,448.0	89.1	26.5	-87.81	-5,150.7	1,647.1	545.4	438.9	106.50	5.121 CC, ES, SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1A-19H-B268 - 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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-92.32	-3.6	-90.0	90.1					
100.0	100.0	100.0	100.0	0.2	0.2	-92.32	-3.6	-90.0	90.1	89.8	0.30	296.719		
200.0	200.0	200.0	200.0	0.3	0.3	-92.32	-3.6	-90.0	90.1	89.5	0.65	138.046 CC, ES		
300.0	300.0	296.9	296.9	0.5	0.5	-92.29	-3.7	-91.7	91.8	90.8	1.00	91.800		
400.0	400.0	393.6	393.5	0.7	0.7	-92.22	-3.7	-96.6	96.9	95.5	1.36	71.083		
500.0	500.0	490.4	489.9	0.9	0.9	-179.87	-3.9	-104.7	107.0	105.3	1.68	63.587		
600.0	599.8	589.3	588.4	1.0	1.1	-179.78	-4.0	-114.0	121.6	119.5	2.03	60.008		
700.0	699.5	687.7	686.3	1.3	1.3	-179.72	-4.2	-123.2	139.6	137.2	2.37	59.015 SF		
800.0	798.7	785.4	783.6	1.5	1.6	-179.68	-4.3	-132.4	161.1	158.4	2.70	59.634		
900.0	897.5	882.2	880.0	1.8	1.8	-179.65	-4.5	-141.5	185.9	182.9	3.03	61.337		
1,000.0	995.8	978.4	975.8	2.1	2.0	-179.64	-4.6	-150.5	213.2	209.8	3.37	63.311		
1,100.0	1,094.1	1,074.6	1,071.5	2.5	2.3	-179.63	-4.8	-159.6	240.6	236.9	3.71	64.900		
1,200.0	1,192.5	1,170.8	1,167.3	2.8	2.5	-179.62	-4.9	-168.6	268.0	263.9	4.05	66.225		
1,300.0	1,290.8	1,266.9	1,263.0	3.2	2.7	-179.61	-5.1	-177.7	295.4	291.0	4.39	67.345		
1,400.0	1,389.1	1,363.1	1,358.8	3.5	2.9	-179.61	-5.2	-186.7	322.8	318.1	4.73	68.305		
1,500.0	1,487.4	1,459.3	1,454.5	3.9	3.2	-179.60	-5.3	-195.7	350.2	345.1	5.06	69.138		
1,600.0	1,585.7	1,555.5	1,550.3	4.2	3.4	-179.60	-5.5	-204.8	377.6	372.2	5.40	69.866		
1,700.0	1,684.1	1,651.6	1,646.0	4.6	3.6	-179.59	-5.6	-213.8	405.0	399.2	5.74	70.509		
1,800.0	1,782.4	1,747.8	1,741.8	4.9	3.9	-179.59	-5.8	-222.9	432.4	426.3	6.08	71.080		
1,900.0	1,880.7	1,844.0	1,837.5	5.3	4.1	-179.59	-5.9	-231.9	459.8	453.3	6.42	71.591		
2,000.0	1,979.0	1,940.2	1,933.3	5.7	4.3	-179.58	-6.1	-240.9	487.2	480.4	6.76	72.052		
2,100.0	2,077.4	2,036.3	2,029.0	6.0	4.6	-179.58	-6.2	-250.0	514.6	507.5	7.10	72.468		
2,200.0	2,175.7	2,132.5	2,124.7	6.4	4.8	-179.58	-6.4	-259.0	542.0	534.5	7.44	72.847		
2,300.0	2,274.0	2,228.7	2,220.5	6.8	5.0	-179.58	-6.5	-268.1	569.3	561.6	7.78	73.192		
2,400.0	2,372.3	2,324.9	2,316.2	7.1	5.2	-179.58	-6.7	-277.1	596.7	588.6	8.12	73.509		
2,500.0	2,470.7	2,421.0	2,412.0	7.5	5.5	-179.58	-6.8	-286.1	624.1	615.7	8.46	73.801		
2,600.0	2,569.0	2,517.2	2,507.7	7.8	5.7	-179.57	-6.9	-295.2	651.5	642.7	8.80	74.070		
2,700.0	2,667.3	2,613.4	2,603.5	8.2	5.9	-179.57	-7.1	-304.2	678.9	669.8	9.14	74.319		
2,800.0	2,765.6	2,709.6	2,699.2	8.6	6.2	-179.57	-7.2	-313.3	706.3	696.9	9.47	74.550		
2,900.0	2,864.0	2,805.7	2,795.0	8.9	6.4	-179.57	-7.4	-322.3	733.7	723.9	9.81	74.766		
3,000.0	2,962.3	2,901.9	2,890.7	9.3	6.6	-179.57	-7.5	-331.3	761.1	751.0	10.15	74.967		
3,100.0	3,060.6	2,998.1	2,986.5	9.7	6.9	-179.57	-7.7	-340.4	788.5	778.0	10.49	75.155		
3,200.0	3,158.9	3,094.3	3,082.2	10.0	7.1	-179.57	-7.8	-349.4	815.9	805.1	10.83	75.331		
3,300.0	3,257.2	3,190.4	3,178.0	10.4	7.3	-179.57	-8.0	-358.5	843.3	832.1	11.17	75.497		
3,400.0	3,355.6	3,286.6	3,273.7	10.8	7.6	-179.57	-8.1	-367.5	870.7	859.2	11.51	75.653		
3,500.0	3,453.9	3,382.8	3,369.5	11.1	7.8	-179.57	-8.3	-376.5	898.1	886.3	11.85	75.800		
3,600.0	3,552.2	3,478.9	3,465.2	11.5	8.0	-179.57	-8.4	-385.6	925.5	913.3	12.19	75.939		
3,700.0	3,650.5	3,575.1	3,561.0	11.9	8.2	-179.57	-8.6	-394.6	952.9	940.4	12.53	76.070		
3,800.0	3,748.9	3,671.3	3,656.7	12.2	8.5	-179.56	-8.7	-403.7	980.3	967.4	12.87	76.195		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-92.08	-2.9	-80.0	80.0					
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-2.9	-80.0	80.0	79.7	0.30	263.504		
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-2.9	-80.0	80.0	79.4	0.65	122.593		
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-2.9	-80.0	80.0	79.0	1.00	79.878 CC, ES		
400.0	400.0	397.2	397.2	0.7	0.7	-92.06	-2.9	-81.6	81.7	80.4	1.35	60.590		
500.0	500.0	494.5	494.4	0.9	0.9	-179.74	-3.0	-86.5	88.5	86.8	1.69	52.391		
600.0	599.8	593.8	593.5	1.0	1.1	-179.68	-3.1	-92.8	100.1	98.0	2.03	49.186		
700.0	699.5	692.7	692.2	1.3	1.2	-179.65	-3.2	-99.1	115.1	112.7	2.38	48.434 SF		
800.0	798.7	791.0	790.2	1.5	1.4	-179.63	-3.3	-105.3	133.5	130.8	2.71	49.209		
900.0	897.5	888.6	887.6	1.8	1.6	-179.62	-3.4	-111.5	155.4	152.3	3.05	51.011		
1,000.0	995.8	985.6	984.4	2.1	1.8	-179.62	-3.5	-117.7	179.7	176.3	3.39	53.090		
1,100.0	1,094.1	1,082.5	1,081.2	2.5	2.0	-179.62	-3.6	-123.8	204.1	200.4	3.73	54.775		
1,200.0	1,192.5	1,179.5	1,178.0	2.8	2.2	-179.62	-3.7	-129.9	228.6	224.5	4.07	56.179		
1,300.0	1,290.8	1,276.5	1,274.7	3.2	2.4	-179.63	-3.7	-136.1	253.0	248.6	4.41	57.367		
1,400.0	1,389.1	1,373.4	1,371.5	3.5	2.6	-179.63	-3.8	-142.2	277.4	272.7	4.75	58.384		
1,500.0	1,487.4	1,470.4	1,468.3	3.9	2.8	-179.63	-3.9	-148.4	301.9	296.8	5.09	59.266		
1,600.0	1,585.7	1,567.4	1,565.1	4.2	3.0	-179.63	-4.0	-154.5	326.3	320.8	5.43	60.037		
1,700.0	1,684.1	1,664.3	1,661.9	4.6	3.2	-179.63	-4.1	-160.7	350.7	344.9	5.78	60.717		
1,800.0	1,782.4	1,761.3	1,758.6	4.9	3.4	-179.63	-4.2	-166.8	375.1	369.0	6.12	61.322		
1,900.0	1,880.7	1,858.3	1,855.4	5.3	3.6	-179.63	-4.3	-173.0	399.6	393.1	6.46	61.863		
2,000.0	1,979.0	1,955.3	1,952.2	5.7	3.8	-179.63	-4.4	-179.1	424.0	417.2	6.80	62.350		
2,100.0	2,077.4	2,052.2	2,049.0	6.0	4.0	-179.63	-4.5	-185.2	448.4	441.3	7.14	62.790		
2,200.0	2,175.7	2,149.2	2,145.7	6.4	4.2	-179.63	-4.6	-191.4	472.8	465.4	7.48	63.191		
2,300.0	2,274.0	2,246.2	2,242.5	6.8	4.4	-179.63	-4.7	-197.5	497.3	489.5	7.82	63.556		
2,400.0	2,372.3	2,343.1	2,339.3	7.1	4.6	-179.63	-4.7	-203.7	521.7	513.5	8.17	63.892		
2,500.0	2,470.7	2,440.1	2,436.1	7.5	4.8	-179.63	-4.8	-209.8	546.1	537.6	8.51	64.200		
2,600.0	2,569.0	2,537.1	2,532.8	7.8	5.0	-179.63	-4.9	-216.0	570.6	561.7	8.85	64.484		
2,700.0	2,667.3	2,634.1	2,629.6	8.2	5.2	-179.63	-5.0	-222.1	595.0	585.8	9.19	64.748		
2,800.0	2,765.6	2,731.0	2,726.4	8.6	5.4	-179.63	-5.1	-228.3	619.4	609.9	9.53	64.993		
2,900.0	2,864.0	2,828.0	2,823.2	8.9	5.6	-179.63	-5.2	-234.4	643.8	634.0	9.87	65.220		
3,000.0	2,962.3	2,925.0	2,919.9	9.3	5.8	-179.63	-5.3	-240.6	668.3	658.1	10.21	65.433		
3,100.0	3,060.6	3,021.9	3,016.7	9.7	6.0	-179.63	-5.4	-246.7	692.7	682.1	10.55	65.632		
3,200.0	3,158.9	3,118.9	3,113.5	10.0	6.2	-179.63	-5.5	-252.8	717.1	706.2	10.90	65.818		
3,300.0	3,257.2	3,215.9	3,210.3	10.4	6.4	-179.63	-5.6	-259.0	741.6	730.3	11.24	65.993		
3,400.0	3,355.6	3,312.8	3,307.0	10.8	6.6	-179.63	-5.7	-265.1	766.0	754.4	11.58	66.158		
3,500.0	3,453.9	3,409.8	3,403.8	11.1	6.8	-179.63	-5.8	-271.3	790.4	778.5	11.92	66.314		
3,600.0	3,552.2	3,506.8	3,500.6	11.5	7.0	-179.63	-5.8	-277.4	814.8	802.6	12.26	66.460		
3,700.0	3,650.5	3,603.8	3,597.4	11.9	7.2	-179.63	-5.9	-283.6	839.3	826.7	12.60	66.599		
3,800.0	3,748.9	3,700.7	3,694.1	12.2	7.4	-179.63	-6.0	-289.7	863.7	850.8	12.94	66.731		
3,900.0	3,847.2	3,797.7	3,790.9	12.6	7.6	-179.63	-6.1	-295.9	888.1	874.8	13.28	66.856		
4,000.0	3,945.5	3,894.7	3,887.7	13.0	7.8	-179.63	-6.2	-302.0	912.6	898.9	13.63	66.974		
4,100.0	4,043.8	3,991.6	3,984.5	13.3	8.0	-179.63	-6.3	-308.1	937.0	923.0	13.97	67.087		
4,200.0	4,142.2	4,088.6	4,081.2	13.7	8.2	-179.63	-6.4	-314.3	961.4	947.1	14.31	67.194		
4,300.0	4,240.5	4,185.6	4,178.0	14.1	8.4	-179.63	-6.5	-320.4	985.8	971.2	14.65	67.297		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1C-19H-B2689 - Hz - Plan #4													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-92.08	-2.5	-70.2	70.2					
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-2.5	-70.2	70.2	69.9	0.30	231.256		
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-2.5	-70.2	70.2	69.6	0.65	107.590		
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-2.5	-70.2	70.2	69.2	1.00	70.102		
400.0	400.0	400.0	400.0	0.7	0.7	-92.08	-2.5	-70.2	70.2	68.9	1.35	51.988 CC, ES		
500.0	500.0	497.5	497.5	0.9	0.8	-179.81	-2.6	-71.8	73.7	72.0	1.69	43.469		
600.0	599.8	596.6	596.5	1.0	1.0	-179.78	-2.7	-75.8	82.9	80.8	2.04	40.625		
700.0	699.5	695.8	695.6	1.3	1.2	-179.76	-2.7	-79.8	95.6	93.2	2.38	40.120 SF		
800.0	798.7	794.5	794.2	1.5	1.4	-179.76	-2.8	-83.7	111.8	109.0	2.72	41.065		
900.0	897.5	892.5	892.2	1.8	1.6	-179.76	-2.9	-87.7	131.4	128.3	3.06	42.984		
1,000.0	995.8	990.0	989.6	2.1	1.8	-179.77	-3.0	-91.6	153.4	150.0	3.40	45.174		
1,100.0	1,094.1	1,087.6	1,087.1	2.5	1.9	-179.77	-3.1	-95.5	175.6	171.9	3.74	46.958		
1,200.0	1,192.5	1,185.1	1,184.5	2.8	2.1	-179.78	-3.2	-99.5	197.8	193.7	4.08	48.443		
1,300.0	1,290.8	1,282.6	1,281.9	3.2	2.3	-179.78	-3.2	-103.4	220.0	215.5	4.43	49.699		
1,400.0	1,389.1	1,380.1	1,379.4	3.5	2.5	-179.78	-3.3	-107.3	242.1	237.4	4.77	50.775		
1,500.0	1,487.4	1,477.6	1,476.8	3.9	2.7	-179.78	-3.4	-111.2	264.3	259.2	5.11	51.707		
1,600.0	1,585.7	1,575.1	1,574.2	4.2	2.8	-179.79	-3.5	-115.2	286.5	281.0	5.45	52.522		
1,700.0	1,684.1	1,672.6	1,671.6	4.6	3.0	-179.79	-3.6	-119.1	308.7	302.9	5.80	53.241		
1,800.0	1,782.4	1,770.1	1,769.1	4.9	3.2	-179.79	-3.6	-123.0	330.9	324.7	6.14	53.880		
1,900.0	1,880.7	1,867.6	1,866.5	5.3	3.4	-179.79	-3.7	-126.9	353.0	346.5	6.48	54.452		
2,000.0	1,979.0	1,965.1	1,963.9	5.7	3.6	-179.79	-3.8	-130.9	375.2	368.4	6.83	54.966		
2,100.0	2,077.4	2,062.7	2,061.4	6.0	3.8	-179.79	-3.9	-134.8	397.4	390.2	7.17	55.431		
2,200.0	2,175.7	2,160.2	2,158.8	6.4	3.9	-179.79	-4.0	-138.7	419.6	412.1	7.51	55.854		
2,300.0	2,274.0	2,257.7	2,256.2	6.8	4.1	-179.79	-4.1	-142.6	441.7	433.9	7.85	56.240		
2,400.0	2,372.3	2,355.2	2,353.7	7.1	4.3	-179.79	-4.1	-146.6	463.9	455.7	8.20	56.594		
2,500.0	2,470.7	2,452.7	2,451.1	7.5	4.5	-179.79	-4.2	-150.5	486.1	477.6	8.54	56.919		
2,600.0	2,569.0	2,550.2	2,548.5	7.8	4.7	-179.80	-4.3	-154.4	508.3	499.4	8.88	57.220		
2,700.0	2,667.3	2,647.7	2,646.0	8.2	4.9	-179.80	-4.4	-158.3	530.5	521.2	9.23	57.498		
2,800.0	2,765.6	2,745.2	2,743.4	8.6	5.0	-179.80	-4.5	-162.3	552.6	543.1	9.57	57.756		
2,900.0	2,864.0	2,842.7	2,840.8	8.9	5.2	-179.80	-4.5	-166.2	574.8	564.9	9.91	57.997		
3,000.0	2,962.3	2,940.2	2,938.2	9.3	5.4	-179.80	-4.6	-170.1	597.0	586.7	10.25	58.221		
3,100.0	3,060.6	3,037.8	3,035.7	9.7	5.6	-179.80	-4.7	-174.0	619.2	608.6	10.60	58.431		
3,200.0	3,158.9	3,135.3	3,133.1	10.0	5.8	-179.80	-4.8	-178.0	641.3	630.4	10.94	58.628		
3,300.0	3,257.2	3,232.8	3,230.5	10.4	6.0	-179.80	-4.9	-181.9	663.5	652.2	11.28	58.813		
3,400.0	3,355.6	3,330.3	3,328.0	10.8	6.1	-179.80	-5.0	-185.8	685.7	674.1	11.62	58.987		
3,500.0	3,453.9	3,427.8	3,425.4	11.1	6.3	-179.80	-5.0	-189.7	707.9	695.9	11.97	59.151		
3,600.0	3,552.2	3,525.3	3,522.8	11.5	6.5	-179.80	-5.1	-193.6	730.0	717.7	12.31	59.306		
3,700.0	3,650.5	3,622.8	3,620.3	11.9	6.7	-179.80	-5.2	-197.6	752.2	739.6	12.65	59.452		
3,800.0	3,748.9	3,720.3	3,717.7	12.2	6.9	-179.80	-5.3	-201.5	774.4	761.4	13.00	59.591		
3,900.0	3,847.2	3,817.8	3,815.1	12.6	7.1	-179.80	-5.4	-205.4	796.6	783.2	13.34	59.723		
4,000.0	3,945.5	3,915.3	3,912.6	13.0	7.2	-179.80	-5.4	-209.3	818.8	805.1	13.68	59.848		
4,100.0	4,043.8	4,012.9	4,010.0	13.3	7.4	-179.80	-5.5	-213.3	840.9	826.9	14.02	59.967		
4,200.0	4,142.2	4,110.4	4,107.4	13.7	7.6	-179.80	-5.6	-217.2	863.1	848.7	14.37	60.080		
4,300.0	4,240.5	4,207.9	4,204.8	14.1	7.8	-179.80	-5.7	-221.1	885.3	870.6	14.71	60.188		
4,400.0	4,338.8	4,305.4	4,302.3	14.4	8.0	-179.80	-5.8	-225.0	907.5	892.4	15.05	60.291		
4,500.0	4,437.1	4,402.9	4,399.7	14.8	8.2	-179.80	-5.9	-229.0	929.6	914.3	15.39	60.390		
4,600.0	4,535.5	4,500.4	4,497.1	15.2	8.3	-179.80	-5.9	-232.9	951.8	936.1	15.74	60.484		
4,700.0	4,633.8	4,597.9	4,594.6	15.5	8.5	-179.80	-6.0	-236.8	974.0	957.9	16.08	60.574		
4,800.0	4,732.1	4,695.4	4,692.0	15.9	8.7	-179.80	-6.1	-240.7	996.2	979.8	16.42	60.661		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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				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	-2.2	-60.1	60.2					
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-2.2	-60.1	60.2	59.9	0.30	198.088		
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-2.2	-60.1	60.2	59.5	0.65	92.159		
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-2.2	-60.1	60.2	59.2	1.00	60.048		
400.0	400.0	400.0	400.0	0.7	0.7	-92.08	-2.2	-60.1	60.2	58.8	1.35	44.532 CC, ES		
500.0	500.0	500.0	500.0	0.9	0.8	-179.84	-2.2	-60.1	61.9	60.2	1.70	36.429		
600.0	599.8	599.6	599.6	1.0	1.0	-179.82	-2.2	-60.5	67.5	65.4	2.05	32.990		
700.0	699.5	699.2	699.2	1.3	1.2	-179.81	-2.1	-60.8	76.6	74.2	2.39	32.039 SF		
800.0	798.7	798.4	798.4	1.5	1.4	-179.81	-2.1	-61.2	89.1	86.4	2.73	32.635		
900.0	897.5	897.1	897.1	1.8	1.5	-179.82	-2.1	-61.5	105.1	102.0	3.07	34.267		
1,000.0	895.8	895.4	895.4	2.1	1.7	-179.83	-2.1	-61.9	123.6	120.2	3.41	36.243		
1,100.0	1,094.1	1,093.6	1,093.6	2.5	1.9	-179.83	-2.0	-62.3	142.2	138.4	3.76	37.861		
1,200.0	1,192.5	1,191.9	1,191.9	2.8	2.1	-179.84	-2.0	-62.6	160.8	156.7	4.10	39.207		
1,300.0	1,290.8	1,290.1	1,290.1	3.2	2.2	-179.84	-2.0	-63.0	179.4	174.9	4.45	40.345		
1,400.0	1,389.1	1,388.4	1,388.4	3.5	2.4	-179.85	-2.0	-63.3	197.9	193.2	4.79	41.319		
1,500.0	1,487.4	1,486.6	1,486.6	3.9	2.6	-179.85	-1.9	-63.7	216.5	211.4	5.14	42.163		
1,600.0	1,585.7	1,584.9	1,584.9	4.2	2.7	-179.85	-1.9	-64.0	235.1	229.6	5.48	42.901		
1,700.0	1,684.1	1,683.2	1,683.2	4.6	2.9	-179.85	-1.9	-64.4	253.7	247.9	5.83	43.552		
1,800.0	1,782.4	1,781.4	1,781.4	4.9	3.1	-179.85	-1.9	-64.8	272.3	266.1	6.17	44.130		
1,900.0	1,880.7	1,879.7	1,879.7	5.3	3.3	-179.86	-1.8	-65.1	290.9	284.4	6.52	44.647		
2,000.0	1,979.0	1,977.9	1,977.9	5.7	3.4	-179.86	-1.8	-65.5	309.5	302.6	6.86	45.112		
2,100.0	2,077.4	2,076.2	2,076.2	6.0	3.6	-179.86	-1.8	-65.8	328.1	320.9	7.21	45.533		
2,200.0	2,175.7	2,174.4	2,174.4	6.4	3.8	-179.86	-1.8	-66.2	346.7	339.1	7.55	45.915		
2,300.0	2,274.0	2,272.7	2,272.7	6.8	3.9	-179.86	-1.7	-66.5	365.3	357.4	7.90	46.264		
2,400.0	2,372.3	2,371.0	2,370.9	7.1	4.1	-179.86	-1.7	-66.9	383.8	375.6	8.24	46.584		
2,500.0	2,470.7	2,469.2	2,469.2	7.5	4.3	-179.86	-1.7	-67.3	402.4	393.9	8.58	46.878		
2,600.0	2,569.0	2,567.5	2,567.5	7.8	4.5	-179.86	-1.7	-67.6	421.0	412.1	8.93	47.150		
2,700.0	2,667.3	2,665.7	2,665.7	8.2	4.6	-179.86	-1.6	-68.0	439.6	430.3	9.27	47.401		
2,800.0	2,765.6	2,764.0	2,764.0	8.6	4.8	-179.86	-1.6	-68.3	458.2	448.6	9.62	47.635		
2,900.0	2,864.0	2,862.2	2,862.2	8.9	5.0	-179.87	-1.6	-68.7	476.8	466.8	9.96	47.852		
3,000.0	2,962.3	2,960.5	2,960.5	9.3	5.1	-179.87	-1.6	-69.0	495.4	485.1	10.31	48.055		
3,100.0	3,060.6	3,058.8	3,058.7	9.7	5.3	-179.87	-1.5	-69.4	514.0	503.3	10.65	48.244		
3,200.0	3,158.9	3,157.0	3,157.0	10.0	5.5	-179.87	-1.5	-69.7	532.6	521.6	11.00	48.422		
3,300.0	3,257.2	3,255.3	3,255.3	10.4	5.7	-179.87	-1.5	-70.1	551.2	539.8	11.34	48.589		
3,400.0	3,355.6	3,353.5	3,353.5	10.8	5.8	-179.87	-1.5	-70.5	569.8	558.1	11.69	48.746		
3,500.0	3,453.9	3,451.8	3,451.8	11.1	6.0	-179.87	-1.4	-70.8	588.3	576.3	12.03	48.895		
3,600.0	3,552.2	3,550.0	3,550.0	11.5	6.2	-179.87	-1.4	-71.2	606.9	594.6	12.38	49.034		
3,700.0	3,650.5	3,648.3	3,648.3	11.9	6.3	-179.87	-1.4	-71.5	625.5	612.8	12.72	49.167		
3,800.0	3,748.9	3,746.6	3,746.5	12.2	6.5	-179.87	-1.4	-71.9	644.1	631.0	13.07	49.292		
3,900.0	3,847.2	3,844.8	3,844.8	12.6	6.7	-179.87	-1.4	-72.2	662.7	649.3	13.41	49.411		
4,000.0	3,945.5	3,943.1	3,943.0	13.0	6.9	-179.87	-1.3	-72.6	681.3	667.5	13.76	49.524		
4,100.0	4,043.8	4,041.3	4,041.3	13.3	7.0	-179.87	-1.3	-73.0	699.9	685.8	14.10	49.632		
4,200.0	4,142.2	4,139.6	4,139.6	13.7	7.2	-179.87	-1.3	-73.3	718.5	704.0	14.45	49.734		
4,300.0	4,240.5	4,237.8	4,237.8	14.1	7.4	-179.87	-1.3	-73.7	737.1	722.3	14.79	49.831		
4,400.0	4,338.8	4,336.1	4,336.1	14.4	7.5	-179.87	-1.2	-74.0	755.7	740.5	15.14	49.925		
4,500.0	4,437.1	4,434.4	4,434.3	14.8	7.7	-179.87	-1.2	-74.4	774.3	758.8	15.48	50.014		
4,600.0	4,535.5	4,532.6	4,532.6	15.2	7.9	-179.87	-1.2	-74.7	792.8	777.0	15.83	50.099		
4,700.0	4,633.8	4,630.9	4,630.8	15.5	8.1	-179.87	-1.2	-75.1	811.4	795.3	16.17	50.180		
4,800.0	4,732.1	4,729.1	4,729.1	15.9	8.2	-179.87	-1.1	-75.5	830.0	813.5	16.52	50.258		
4,900.0	4,830.4	4,827.4	4,827.3	16.3	8.4	-179.87	-1.1	-75.8	848.6	831.8	16.86	50.333		
5,000.0	4,928.7	4,925.6	4,925.6	16.6	8.6	-179.87	-1.1	-76.2	867.2	850.0	17.20	50.405		
5,100.0	5,027.1	5,023.9	5,023.9	17.0	8.8	-179.87	-1.1	-76.5	885.8	868.2	17.55	50.474		

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

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)						
5,200.0	5,125.4	5,122.1	5,122.1	17.4	8.9	-179.87	-1.0	-76.9	904.4	886.5	17.89	50.541				
5,300.0	5,223.7	5,220.4	5,220.4	17.7	9.1	-179.87	-1.0	-77.2	923.0	904.7	18.24	50.605				
5,400.0	5,322.0	5,318.7	5,318.6	18.1	9.3	-179.87	-1.0	-77.6	941.6	923.0	18.58	50.666				
5,500.0	5,420.4	5,416.9	5,416.9	18.5	9.4	-179.87	-1.0	-78.0	960.2	941.2	18.93	50.725				
5,600.0	5,518.7	5,515.2	5,515.1	18.8	9.6	-179.87	-0.9	-78.3	978.7	959.5	19.27	50.783				
5,700.0	5,617.0	5,613.4	5,613.4	19.2	9.8	-179.87	-0.9	-78.7	997.3	977.7	19.62	50.838				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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									
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	-92.08	-1.8	-50.1	50.1						
100.0	100.0	100.0	100.0	0.2	0.2	-92.08	-1.8	-50.1	50.1	49.8	0.30	164.920			
200.0	200.0	200.0	200.0	0.3	0.3	-92.08	-1.8	-50.1	50.1	49.4	0.65	76.728			
300.0	300.0	300.0	300.0	0.5	0.5	-92.08	-1.8	-50.1	50.1	49.1	1.00	49.993			
400.0	400.0	400.0	400.0	0.7	0.7	-92.08	-1.8	-50.1	50.1	48.7	1.35	37.075 CC, ES			
500.0	500.0	500.0	500.0	0.9	0.8	-179.84	-1.8	-50.1	51.8	50.1	1.70	30.501			
600.0	599.8	599.8	599.8	1.0	1.0	-179.85	-1.8	-50.1	57.1	55.0	2.05	27.892			
700.0	699.5	699.5	699.5	1.3	1.2	-179.87	-1.8	-50.1	65.8	63.4	2.39	27.523 SF			
800.0	798.7	798.7	798.7	1.5	1.4	-179.89	-1.8	-50.1	78.0	75.2	2.73	28.549			
900.0	897.5	897.5	897.5	1.8	1.5	-179.91	-1.8	-50.1	93.6	90.5	3.07	30.510			
1,000.0	995.8	995.8	995.8	2.1	1.7	-179.92	-1.8	-50.1	111.7	108.3	3.41	32.758			
1,100.0	1,094.1	1,094.1	1,094.1	2.5	1.9	-179.93	-1.8	-50.1	130.0	126.2	3.76	34.599			
1,200.0	1,192.5	1,192.5	1,192.5	2.8	2.1	-179.94	-1.8	-50.1	148.2	144.1	4.10	36.131			
1,300.0	1,290.8	1,290.8	1,290.8	3.2	2.2	-179.95	-1.8	-50.1	166.4	162.0	4.45	37.425			
1,400.0	1,389.1	1,389.1	1,389.1	3.5	2.4	-179.95	-1.8	-50.1	184.7	179.9	4.79	38.534			
1,500.0	1,487.4	1,487.4	1,487.4	3.9	2.6	-179.96	-1.8	-50.1	202.9	197.8	5.14	39.494			
1,600.0	1,585.7	1,585.7	1,585.7	4.2	2.7	-179.96	-1.8	-50.1	221.1	215.7	5.48	40.333			
1,700.0	1,684.1	1,684.1	1,684.1	4.6	2.9	-179.96	-1.8	-50.1	239.4	233.5	5.83	41.073			
1,800.0	1,782.4	1,782.4	1,782.4	4.9	3.1	-179.97	-1.8	-50.1	257.6	251.4	6.17	41.731			
1,900.0	1,880.7	1,880.7	1,880.7	5.3	3.3	-179.97	-1.8	-50.1	275.8	269.3	6.52	42.319			
2,000.0	1,979.0	1,979.0	1,979.0	5.7	3.4	-179.97	-1.8	-50.1	294.1	287.2	6.86	42.848			
2,100.0	2,077.4	2,077.4	2,077.4	6.0	3.6	-179.97	-1.8	-50.1	312.3	305.1	7.21	43.326			
2,200.0	2,175.7	2,175.7	2,175.7	6.4	3.8	-179.97	-1.8	-50.1	330.5	323.0	7.55	43.761			
2,300.0	2,274.0	2,274.0	2,274.0	6.8	3.9	-179.98	-1.8	-50.1	348.8	340.9	7.90	44.158			
2,400.0	2,372.3	2,372.3	2,372.3	7.1	4.1	-179.98	-1.8	-50.1	367.0	358.8	8.24	44.521			
2,500.0	2,470.7	2,470.7	2,470.7	7.5	4.3	-179.98	-1.8	-50.1	385.3	376.7	8.59	44.856			
2,600.0	2,569.0	2,569.0	2,569.0	7.8	4.5	-179.98	-1.8	-50.1	403.5	394.6	8.93	45.165			
2,700.0	2,667.3	2,667.3	2,667.3	8.2	4.6	-179.98	-1.8	-50.1	421.7	412.4	9.28	45.450			
2,800.0	2,765.6	2,765.6	2,765.6	8.6	4.8	-179.98	-1.8	-50.1	440.0	430.3	9.62	45.716			
2,900.0	2,864.0	2,864.0	2,864.0	8.9	5.0	-179.98	-1.8	-50.1	458.2	448.2	9.97	45.963			
3,000.0	2,962.3	2,962.3	2,962.3	9.3	5.1	-179.98	-1.8	-50.1	476.4	466.1	10.31	46.193			
3,100.0	3,060.6	3,060.6	3,060.6	9.7	5.3	-179.98	-1.8	-50.1	494.7	484.0	10.66	46.409			
3,200.0	3,158.9	3,158.9	3,158.9	10.0	5.5	-179.98	-1.8	-50.1	512.9	501.9	11.00	46.611			
3,300.0	3,257.2	3,257.2	3,257.2	10.4	5.7	-179.98	-1.8	-50.1	531.1	519.8	11.35	46.801			
3,400.0	3,355.6	3,355.6	3,355.6	10.8	5.8	-179.98	-1.8	-50.1	549.4	537.7	11.69	46.979			
3,500.0	3,453.9	3,453.9	3,453.9	11.1	6.0	-179.99	-1.8	-50.1	567.6	555.6	12.04	47.148			
3,600.0	3,552.2	3,552.2	3,552.2	11.5	6.2	-179.99	-1.8	-50.1	585.8	573.5	12.38	47.307			
3,700.0	3,650.5	3,650.5	3,650.5	11.9	6.3	-179.99	-1.8	-50.1	604.1	591.3	12.73	47.457			
3,800.0	3,748.9	3,748.9	3,748.9	12.2	6.5	-179.99	-1.8	-50.1	622.3	609.2	13.07	47.600			
3,900.0	3,847.2	3,847.2	3,847.2	12.6	6.7	-179.99	-1.8	-50.1	640.5	627.1	13.42	47.735			
4,000.0	3,945.5	3,945.5	3,945.5	13.0	6.9	-179.99	-1.8	-50.1	658.8	645.0	13.76	47.863			
4,100.0	4,043.8	4,057.4	4,057.4	13.3	7.1	-179.99	-1.8	-49.5	676.6	662.4	14.13	47.875			
4,200.0	4,142.2	4,179.8	4,179.7	13.7	7.3	-179.99	-1.6	-44.5	690.7	676.2	14.52	47.572			
4,300.0	4,240.5	4,279.0	4,278.7	14.1	7.4	-179.99	-1.4	-39.1	703.6	688.7	14.87	47.326			
4,400.0	4,338.8	4,378.1	4,377.7	14.4	7.6	-179.99	-1.3	-33.8	716.5	701.2	15.21	47.090			
4,500.0	4,437.1	4,477.3	4,476.7	14.8	7.8	-180.00	-1.1	-28.4	729.3	713.8	15.56	46.865			
4,600.0	4,535.5	4,576.5	4,575.8	15.2	8.0	-180.00	-0.9	-23.0	742.2	726.3	15.91	46.650			
4,700.0	4,633.8	4,675.6	4,674.8	15.5	8.2	180.00	-0.7	-17.6	755.1	738.8	16.26	46.445			
4,800.0	4,732.1	4,774.8	4,773.8	15.9	8.3	180.00	-0.5	-12.2	767.9	751.3	16.60	46.247			
4,900.0	4,830.4	4,874.0	4,872.8	16.3	8.5	180.00	-0.3	-6.8	780.8	763.8	16.95	46.058			
5,000.0	4,928.7	4,973.1	4,971.9	16.6	8.7	179.99	-0.1	-1.5	793.7	776.4	17.30	45.877			
5,100.0	5,027.1	5,072.3	5,070.9	17.0	8.9	179.99	0.0	3.9	806.5	788.9	17.65	45.703			

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1E-19H-B2687 - Hz - Plan #2												Offset Site Error: 0.0 ft		
Survey Program: 0-Geolink MWD												Offset Well Error: 0.0 ft		
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
5,200.0	5,125.4	5,171.5	5,169.9	17.4	9.1	179.99	0.2	9.3	819.4	801.4	18.00	45.535		
5,300.0	5,223.7	5,270.6	5,268.9	17.7	9.3	179.99	0.4	14.7	832.3	813.9	18.34	45.374		
5,400.0	5,322.0	5,369.8	5,367.9	18.1	9.4	179.99	0.6	20.1	845.1	826.5	18.69	45.219		
5,500.0	5,420.4	5,469.0	5,467.0	18.5	9.6	179.99	0.8	25.5	858.0	839.0	19.04	45.069		
5,600.0	5,518.7	5,568.1	5,566.0	18.8	9.8	179.98	1.0	30.8	870.9	851.5	19.39	44.925		
5,700.0	5,617.0	5,667.3	5,665.0	19.2	10.0	179.98	1.2	36.2	883.7	864.0	19.73	44.786		
5,800.0	5,715.3	5,766.5	5,764.0	19.6	10.2	179.98	1.3	41.6	896.6	876.5	20.08	44.652		
5,900.0	5,813.7	5,865.7	5,863.1	19.9	10.4	179.98	1.5	47.0	909.5	889.1	20.43	44.522		
6,000.0	5,912.0	5,964.8	5,962.1	20.3	10.5	179.98	1.7	52.4	922.3	901.6	20.78	44.397		
6,100.0	6,010.3	6,064.0	6,061.1	20.7	10.7	179.98	1.9	57.8	935.2	914.1	21.12	44.275		
6,200.0	6,108.6	6,163.2	6,160.1	21.0	10.9	179.98	2.1	63.1	948.1	926.6	21.47	44.158		
6,300.0	6,206.9	6,262.3	6,259.1	21.4	11.1	179.97	2.3	68.5	961.0	939.1	21.82	44.045		
6,400.0	6,305.3	6,361.5	6,358.2	21.8	11.3	179.97	2.5	73.9	973.8	951.7	22.17	43.935		
6,500.0	6,403.6	6,460.7	6,457.2	22.1	11.5	179.97	2.6	79.3	986.7	964.2	22.51	43.828		
6,600.0	6,501.9	6,559.8	6,556.2	22.5	11.7	179.97	2.8	84.7	999.6	976.7	22.86	43.725		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-92.09	-1.5	-40.0	40.0					
100.0	100.0	100.0	100.0	0.2	0.2	-92.09	-1.5	-40.0	40.0	39.7	131.753			
200.0	200.0	200.0	200.0	0.3	0.3	-92.09	-1.5	-40.0	40.0	39.4	61.297			
300.0	300.0	300.0	300.0	0.5	0.5	-92.09	-1.5	-40.0	40.0	39.0	39.939			
400.0	400.0	400.0	400.0	0.7	0.7	-92.09	-1.5	-40.0	40.0	38.7	29.619 CC, ES			
500.0	500.0	500.0	500.0	0.9	0.8	-179.85	-1.5	-40.0	41.8	40.1	24.573			
600.0	599.8	599.8	599.8	1.0	1.0	-179.87	-1.5	-40.0	47.0	44.9	22.969			
700.0	699.5	699.5	699.5	1.3	1.2	-179.89	-1.5	-40.0	55.7	53.3	23.308			
800.0	798.7	798.7	798.7	1.5	1.4	-179.91	-1.5	-40.0	67.9	65.2	24.861			
900.0	897.5	897.5	897.5	1.8	1.5	-179.92	-1.5	-40.0	83.5	80.5	27.227			
1,000.0	995.8	999.3	999.3	2.1	1.7	-179.91	-1.4	-38.3	100.0	96.6	29.265			
1,100.0	1,094.1	1,101.5	1,101.3	2.5	1.9	-179.87	-1.0	-33.0	113.1	109.3	29.999			
1,200.0	1,192.5	1,200.8	1,200.4	2.8	2.1	-179.82	-0.7	-26.7	125.0	120.9	30.358			
1,300.0	1,290.8	1,300.1	1,299.5	3.2	2.3	-179.78	-0.3	-20.3	137.0	132.5	30.662			
1,400.0	1,389.1	1,399.4	1,398.6	3.5	2.5	-179.74	0.1	-14.0	148.9	144.1	30.923			
1,500.0	1,487.4	1,498.6	1,497.7	3.9	2.7	-179.71	0.5	-7.7	160.8	155.7	31.149			
1,600.0	1,585.7	1,597.9	1,596.8	4.2	2.9	-179.69	0.9	-1.4	172.8	167.3	31.346			
1,700.0	1,684.1	1,697.2	1,695.8	4.6	3.1	-179.66	1.3	4.9	184.7	178.8	31.520			
1,800.0	1,782.4	1,796.5	1,794.9	4.9	3.3	-179.64	1.7	11.2	196.6	190.4	31.675			
1,900.0	1,880.7	1,895.8	1,894.0	5.3	3.5	-179.63	2.0	17.6	208.6	202.0	31.814			
2,000.0	1,979.0	1,995.1	1,993.1	5.7	3.7	-179.61	2.4	23.9	220.5	213.6	31.938			
2,100.0	2,077.4	2,094.4	2,092.2	6.0	3.9	-179.60	2.8	30.2	232.4	225.2	32.051			
2,200.0	2,175.7	2,193.6	2,191.3	6.4	4.1	-179.58	3.2	36.5	244.4	236.8	32.154			
2,300.0	2,274.0	2,292.9	2,290.3	6.8	4.3	-179.57	3.6	42.8	256.3	248.4	32.247			
2,400.0	2,372.3	2,392.2	2,389.4	7.1	4.5	-179.56	4.0	49.1	268.2	259.9	32.333			
2,500.0	2,470.7	2,491.5	2,488.5	7.5	4.7	-179.55	4.3	55.4	280.2	271.5	32.412			
2,600.0	2,569.0	2,590.8	2,587.6	7.8	4.9	-179.55	4.7	61.8	292.1	283.1	32.485			
2,700.0	2,667.3	2,690.1	2,686.7	8.2	5.1	-179.54	5.1	68.1	304.0	294.7	32.552			
2,800.0	2,765.6	2,789.4	2,785.8	8.6	5.3	-179.53	5.5	74.4	316.0	306.3	32.615			
2,900.0	2,864.0	2,888.6	2,884.8	8.9	5.5	-179.52	5.9	80.7	327.9	317.9	32.673			
3,000.0	2,962.3	2,987.9	2,983.9	9.3	5.7	-179.52	6.3	87.0	339.8	329.5	32.728			
3,100.0	3,060.6	3,087.2	3,083.0	9.7	5.9	-179.51	6.7	93.3	351.8	341.0	32.779			
3,200.0	3,158.9	3,186.5	3,182.1	10.0	6.1	-179.51	7.0	99.7	363.7	352.6	32.826			
3,300.0	3,257.2	3,285.8	3,281.2	10.4	6.3	-179.50	7.4	106.0	375.6	364.2	32.871			
3,400.0	3,355.6	3,385.1	3,380.3	10.8	6.5	-179.50	7.8	112.3	387.6	375.8	32.913			
3,500.0	3,453.9	3,484.3	3,479.3	11.1	6.7	-179.49	8.2	118.6	399.5	387.4	32.953			
3,600.0	3,552.2	3,583.6	3,578.4	11.5	6.9	-179.49	8.6	124.9	411.4	399.0	32.991			
3,700.0	3,650.5	3,682.9	3,677.5	11.9	7.1	-179.48	9.0	131.2	423.4	410.6	33.026			
3,800.0	3,748.9	3,782.2	3,776.6	12.2	7.3	-179.48	9.3	137.6	435.3	422.1	33.060			
3,900.0	3,847.2	3,881.5	3,875.7	12.6	7.5	-179.47	9.7	143.9	447.2	433.7	33.092			
4,000.0	3,945.5	3,980.8	3,974.8	13.0	7.7	-179.47	10.1	150.2	459.2	445.3	33.122			
4,100.0	4,043.8	4,080.1	4,073.8	13.3	7.9	-179.47	10.5	156.5	471.1	456.9	33.151			
4,200.0	4,142.2	4,179.3	4,172.9	13.7	8.1	-179.47	10.9	162.8	483.0	468.5	33.178			
4,300.0	4,240.5	4,278.6	4,272.0	14.1	8.3	-179.46	11.3	169.1	495.0	480.1	33.205			
4,400.0	4,338.8	4,377.9	4,371.1	14.4	8.5	-179.46	11.6	175.4	506.9	491.7	33.230			
4,500.0	4,437.1	4,477.2	4,470.2	14.8	8.7	-179.46	12.0	181.8	518.8	503.2	33.253			
4,600.0	4,535.5	4,576.5	4,569.3	15.2	8.9	-179.45	12.4	188.1	530.8	514.8	33.276			
4,700.0	4,633.8	4,675.8	4,668.3	15.5	9.1	-179.45	12.8	194.4	542.7	526.4	33.298			
4,800.0	4,732.1	4,775.1	4,767.4	15.9	9.3	-179.45	13.2	200.7	554.6	538.0	33.319			
4,900.0	4,830.4	4,874.3	4,866.5	16.3	9.5	-179.45	13.6	207.0	566.6	549.6	33.339			
5,000.0	4,928.7	4,973.6	4,965.6	16.6	9.8	-179.44	14.0	213.3	578.5	561.2	33.359			
5,100.0	5,027.1	5,072.9	5,064.7	17.0	10.0	-179.44	14.3	219.7	590.4	572.8	33.377			

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,125.4	5,172.2	5,163.8	17.4	10.2	-179.44	14.7	226.0	602.4	584.3	18.04	33.395		
5,300.0	5,223.7	5,271.5	5,262.8	17.7	10.4	-179.44	15.1	232.3	614.3	595.9	18.39	33.412		
5,400.0	5,322.0	5,370.8	5,361.9	18.1	10.6	-179.44	15.5	238.6	626.2	607.5	18.73	33.429		
5,500.0	5,420.4	5,470.1	5,461.0	18.5	10.8	-179.44	15.9	244.9	638.2	619.1	19.08	33.445		
5,600.0	5,518.7	5,569.3	5,560.1	18.8	11.0	-179.43	16.3	251.2	650.1	630.7	19.43	33.460		
5,700.0	5,617.0	5,668.6	5,659.2	19.2	11.2	-179.43	16.6	257.6	662.0	642.3	19.78	33.475		
5,800.0	5,715.3	5,767.9	5,758.3	19.6	11.4	-179.43	17.0	263.9	674.0	653.9	20.13	33.489		
5,900.0	5,813.7	5,867.2	5,857.3	19.9	11.6	-179.43	17.4	270.2	685.9	665.4	20.47	33.503		
6,000.0	5,912.0	5,966.5	5,956.4	20.3	11.8	-179.43	17.8	276.5	697.9	677.0	20.82	33.516		
6,100.0	6,010.3	6,065.8	6,055.5	20.7	12.0	-179.43	18.2	282.8	709.8	688.6	21.17	33.529		
6,200.0	6,108.6	6,165.1	6,154.6	21.0	12.2	-179.42	18.6	289.1	721.7	700.2	21.52	33.542		
6,300.0	6,206.9	6,264.3	6,253.7	21.4	12.4	-179.42	19.0	295.5	733.7	711.8	21.86	33.554		
6,400.0	6,305.3	6,363.6	6,352.8	21.8	12.6	-179.42	19.3	301.8	745.6	723.4	22.21	33.566		
6,500.0	6,403.6	6,462.9	6,451.8	22.1	12.8	-179.42	19.7	308.1	757.5	735.0	22.56	33.577		
6,600.0	6,501.9	6,562.2	6,550.9	22.5	13.0	-179.42	20.1	314.4	769.5	746.5	22.91	33.588		
6,700.0	6,600.2	6,660.6	6,649.2	22.9	13.2	-179.46	20.0	320.7	781.4	758.1	23.25	33.602		
6,800.0	6,698.6	6,755.6	6,743.4	23.2	13.4	179.83	10.5	326.7	793.7	770.1	23.59	33.641		
6,900.0	6,796.8	6,847.3	6,832.5	23.6	13.6	148.75	-10.4	332.3	806.7	782.7	23.99	33.624		
7,000.0	6,893.7	6,936.9	6,916.2	24.0	13.8	122.06	-41.6	337.7	819.9	795.3	24.55	33.398		
7,100.0	6,987.5	7,024.7	6,993.9	24.3	14.1	108.27	-82.2	342.6	832.9	807.6	25.29	32.935		
7,200.0	7,076.3	7,111.1	7,064.9	24.7	14.4	100.18	-131.1	347.2	845.4	819.2	26.21	32.259		
7,300.0	7,158.3	7,196.3	7,128.6	25.0	14.7	94.84	-187.4	351.2	857.1	829.8	27.27	31.424		
7,400.0	7,232.0	7,280.6	7,184.7	25.5	15.2	91.07	-250.1	354.8	867.6	839.1	28.46	30.480		
7,500.0	7,296.0	7,364.1	7,232.7	25.9	15.8	88.33	-318.3	357.9	876.6	846.9	29.73	29.484		
7,600.0	7,348.9	7,450.0	7,273.4	26.5	16.4	86.35	-393.9	360.4	884.1	853.0	31.09	28.435		
7,700.0	7,389.9	7,529.7	7,302.8	27.1	17.2	85.01	-467.8	362.3	889.8	857.3	32.45	27.419		
7,800.0	7,418.0	7,612.0	7,324.5	27.7	18.0	84.19	-547.3	363.7	893.5	859.6	33.89	26.367		
7,900.0	7,432.7	7,694.4	7,336.9	28.5	19.0	83.87	-628.6	364.5	895.2	859.8	35.38	25.300		
8,000.0	7,435.0	7,780.1	7,340.0	29.3	20.0	83.91	-714.2	364.7	895.2	857.9	37.33	23.982		
8,100.0	7,435.0	7,880.1	7,340.0	30.2	21.3	83.91	-814.2	364.7	895.2	855.2	40.04	22.361		
8,200.0	7,435.0	7,980.1	7,340.0	31.1	22.6	83.91	-914.2	364.7	895.2	852.4	42.85	20.892		
8,300.0	7,435.0	8,080.1	7,340.0	32.2	24.0	83.91	-1,014.2	364.7	895.2	849.5	45.76	19.564		
8,400.0	7,435.0	8,180.1	7,340.0	33.2	25.4	83.91	-1,114.2	364.7	895.2	846.5	48.74	18.366		
8,500.0	7,435.0	8,280.1	7,340.0	34.4	26.9	83.91	-1,214.2	364.7	895.2	843.4	51.79	17.285		
8,600.0	7,435.0	8,380.1	7,340.0	35.6	28.4	83.91	-1,314.2	364.7	895.2	840.3	54.89	16.309		
8,700.0	7,435.0	8,480.1	7,340.0	36.8	30.0	83.91	-1,414.2	364.7	895.2	837.2	58.04	15.426		
8,800.0	7,435.0	8,580.1	7,340.0	38.1	31.5	83.91	-1,514.2	364.7	895.2	834.0	61.22	14.624		
8,900.0	7,435.0	8,680.1	7,340.0	39.4	33.1	83.91	-1,614.2	364.7	895.2	830.8	64.43	13.894		
9,000.0	7,435.0	8,780.1	7,340.0	40.7	34.7	83.91	-1,714.2	364.7	895.2	827.6	67.67	13.229		
9,100.0	7,435.0	8,880.1	7,340.0	42.1	36.3	83.91	-1,814.2	364.7	895.2	824.3	70.94	12.620		
9,200.0	7,435.0	8,980.1	7,340.0	43.5	37.9	83.91	-1,914.2	364.7	895.2	821.0	74.22	12.062		
9,300.0	7,435.0	9,080.1	7,340.0	44.9	39.6	83.91	-2,014.2	364.7	895.2	817.7	77.52	11.548		
9,400.0	7,435.0	9,180.1	7,340.0	46.4	41.2	83.91	-2,114.2	364.7	895.2	814.4	80.84	11.074		
9,500.0	7,435.0	9,280.1	7,340.0	47.9	42.9	83.91	-2,214.2	364.7	895.2	811.1	84.17	10.636		
9,600.0	7,435.0	9,380.1	7,340.0	49.4	44.5	83.91	-2,314.2	364.7	895.2	807.7	87.52	10.229		
9,700.0	7,435.0	9,480.1	7,340.0	50.9	46.2	83.91	-2,414.2	364.7	895.2	804.4	90.87	9.852		
9,800.0	7,435.0	9,580.1	7,340.0	52.4	47.9	83.91	-2,514.2	364.7	895.2	801.0	94.24	9.500		
9,900.0	7,435.0	9,680.1	7,340.0	53.9	49.5	83.91	-2,614.2	364.7	895.2	797.6	97.61	9.172		
10,000.0	7,435.0	9,780.1	7,340.0	55.5	51.2	83.91	-2,714.2	364.7	895.2	794.2	100.99	8.864		
10,100.0	7,435.0	9,880.1	7,340.0	57.0	52.9	83.91	-2,814.2	364.7	895.2	790.9	104.38	8.577		
10,200.0	7,435.0	9,980.1	7,340.0	58.6	54.6	83.91	-2,914.2	364.7	895.2	787.5	107.77	8.307		
10,300.0	7,435.0	10,080.1	7,340.0	60.2	56.3	83.91	-3,014.2	364.7	895.2	784.1	111.17	8.053		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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	Measured Depth	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Total	Separation		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	Toolface (°)	+N/-S (ft)	+E/-W (ft)	Centres (ft)	Ellipses (ft)	Uncertainty Axis	Factor		
10,400.0	7,435.0	10,180.1	7,340.0	61.8	58.0	83.91	-3,114.2	364.7	895.2	780.7	114.58	7.813		
10,500.0	7,435.0	10,280.1	7,340.0	63.4	59.7	83.91	-3,214.2	364.7	895.2	777.2	117.99	7.587		
10,600.0	7,435.0	10,380.1	7,340.0	65.0	61.4	83.91	-3,314.2	364.7	895.2	773.8	121.41	7.374		
10,700.0	7,435.0	10,480.1	7,340.0	66.6	63.1	83.91	-3,414.2	364.7	895.2	770.4	124.83	7.172		
10,800.0	7,435.0	10,580.1	7,340.0	68.2	64.8	83.91	-3,514.2	364.7	895.2	767.0	128.25	6.981		
10,900.0	7,435.0	10,680.1	7,340.0	69.9	66.5	83.91	-3,614.2	364.7	895.2	763.6	131.67	6.799		
11,000.0	7,435.0	10,780.1	7,340.0	71.5	68.2	83.91	-3,714.2	364.7	895.2	760.1	135.10	6.626		
11,100.0	7,435.0	10,880.1	7,340.0	73.1	70.0	83.91	-3,814.2	364.7	895.2	756.7	138.54	6.462		
11,200.0	7,435.0	10,980.1	7,340.0	74.8	71.7	83.91	-3,914.2	364.7	895.2	753.3	141.97	6.306		
11,300.0	7,435.0	11,080.1	7,340.0	76.4	73.4	83.91	-4,014.2	364.7	895.2	749.8	145.41	6.157		
11,400.0	7,435.0	11,180.1	7,340.0	78.1	75.1	83.91	-4,114.2	364.7	895.2	746.4	148.85	6.014		
11,500.0	7,435.0	11,280.1	7,340.0	79.8	76.8	83.91	-4,214.2	364.7	895.2	742.9	152.29	5.878		
11,600.0	7,435.0	11,380.1	7,340.0	81.4	78.6	83.91	-4,314.2	364.7	895.2	739.5	155.74	5.748		
11,700.0	7,435.0	11,480.1	7,340.0	83.1	80.3	83.91	-4,414.2	364.7	895.2	736.1	159.18	5.624		
11,800.0	7,435.0	11,580.1	7,340.0	84.8	82.0	83.91	-4,514.2	364.7	895.2	732.6	162.63	5.505		
11,900.0	7,435.0	11,680.1	7,340.0	86.4	83.8	83.91	-4,614.2	364.7	895.2	729.2	166.08	5.390		
12,000.0	7,435.0	11,780.1	7,340.0	88.1	85.5	83.91	-4,714.2	364.7	895.2	725.7	169.53	5.281		
12,057.8	7,435.0	11,837.9	7,340.0	89.1	86.5	83.91	-4,772.0	364.7	895.2	723.7	171.53	5.219 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1G-19H-B2685 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-92.07	-1.1	-30.2	30.2					
100.0	100.0	100.0	100.0	0.2	0.2	-92.07	-1.1	-30.2	30.2	29.9	0.30	99.504		
200.0	200.0	200.0	200.0	0.3	0.3	-92.07	-1.1	-30.2	30.2	29.6	0.65	46.293		
300.0	300.0	300.0	300.0	0.5	0.5	-92.07	-1.1	-30.2	30.2	29.2	1.00	30.163		
400.0	400.0	400.0	400.0	0.7	0.7	-92.07	-1.1	-30.2	30.2	28.9	1.35	22.369	CC, ES	
500.0	500.0	500.0	500.0	0.9	0.8	-179.83	-1.1	-30.2	32.0	30.3	1.70	18.810		
600.0	599.8	599.8	599.8	1.0	1.0	-179.85	-1.1	-30.2	37.2	35.2	2.05	18.182		
700.0	699.5	699.5	699.5	1.3	1.2	-179.88	-1.1	-30.2	45.9	43.5	2.39	19.210		
800.0	798.7	800.7	800.7	1.5	1.4	-179.90	-1.0	-28.4	56.4	53.6	2.73	20.612		
900.0	897.5	902.3	902.2	1.8	1.6	-179.90	-0.8	-23.1	66.8	63.7	3.08	21.694		
1,000.0	995.8	1,002.3	1,001.8	2.1	1.8	-179.90	-0.5	-15.4	77.3	73.8	3.42	22.563		
1,100.0	1,094.1	1,101.7	1,100.9	2.5	2.0	-179.89	-0.1	-7.7	87.8	84.0	3.77	23.272		
1,200.0	1,192.5	1,201.2	1,200.1	2.8	2.2	-179.89	0.2	0.0	98.4	94.3	4.12	23.861		
1,300.0	1,290.8	1,300.6	1,299.2	3.2	2.4	-179.89	0.5	7.7	108.9	104.5	4.47	24.360		
1,400.0	1,389.1	1,400.0	1,398.4	3.5	2.6	-179.89	0.8	15.5	119.5	114.7	4.82	24.786		
1,500.0	1,487.4	1,499.5	1,497.5	3.9	2.8	-179.89	1.2	23.2	130.0	124.9	5.17	25.155		
1,600.0	1,585.7	1,598.9	1,596.7	4.2	3.0	-179.88	1.5	30.9	140.6	135.1	5.52	25.478		
1,700.0	1,684.1	1,698.4	1,695.8	4.6	3.2	-179.88	1.8	38.6	151.1	145.3	5.87	25.762		
1,800.0	1,782.4	1,797.8	1,794.9	4.9	3.4	-179.88	2.2	46.3	161.7	155.5	6.21	26.015		
1,900.0	1,880.7	1,897.2	1,894.1	5.3	3.6	-179.88	2.5	54.0	172.2	165.7	6.56	26.241		
2,000.0	1,979.0	1,996.7	1,993.2	5.7	3.8	-179.88	2.8	61.7	182.8	175.9	6.91	26.445		
2,100.0	2,077.4	2,096.1	2,092.4	6.0	4.1	-179.88	3.1	69.4	193.3	186.1	7.26	26.628		
2,200.0	2,175.7	2,195.6	2,191.5	6.4	4.3	-179.88	3.5	77.1	203.9	196.3	7.61	26.796		
2,300.0	2,274.0	2,295.0	2,290.7	6.8	4.5	-179.88	3.8	84.8	214.4	206.5	7.96	26.948		
2,400.0	2,372.3	2,394.5	2,389.8	7.1	4.7	-179.88	4.1	92.5	225.0	216.7	8.31	27.088		
2,500.0	2,470.7	2,493.9	2,488.9	7.5	4.9	-179.88	4.4	100.3	235.5	226.9	8.65	27.216		
2,600.0	2,569.0	2,593.3	2,588.1	7.8	5.1	-179.88	4.8	108.0	246.1	237.1	9.00	27.335		
2,700.0	2,667.3	2,692.8	2,687.2	8.2	5.4	-179.88	5.1	115.7	256.6	247.3	9.35	27.445		
2,800.0	2,765.6	2,792.2	2,786.4	8.6	5.6	-179.88	5.4	123.4	267.2	257.5	9.70	27.547		
2,900.0	2,864.0	2,891.7	2,885.5	8.9	5.8	-179.88	5.7	131.1	277.7	267.7	10.05	27.642		
3,000.0	2,962.3	2,991.1	2,984.6	9.3	6.0	-179.88	6.1	138.8	288.3	277.9	10.40	27.730		
3,100.0	3,060.6	3,090.5	3,083.8	9.7	6.2	-179.88	6.4	146.5	298.8	288.1	10.74	27.813		
3,200.0	3,158.9	3,190.0	3,182.9	10.0	6.4	-179.88	6.7	154.2	309.4	298.3	11.09	27.891		
3,300.0	3,257.2	3,289.4	3,282.1	10.4	6.7	-179.88	7.1	161.9	319.9	308.5	11.44	27.964		
3,400.0	3,355.6	3,388.9	3,381.2	10.8	6.9	-179.88	7.4	169.6	330.5	318.7	11.79	28.032		
3,500.0	3,453.9	3,488.3	3,480.4	11.1	7.1	-179.88	7.7	177.3	341.0	328.9	12.14	28.097		
3,600.0	3,552.2	3,587.8	3,579.5	11.5	7.3	-179.88	8.0	185.1	351.6	339.1	12.49	28.158		
3,700.0	3,650.5	3,687.2	3,678.6	11.9	7.5	-179.88	8.4	192.8	362.1	349.3	12.83	28.216		
3,800.0	3,748.9	3,786.6	3,777.8	12.2	7.8	-179.88	8.7	200.5	372.7	359.5	13.18	28.270		
3,900.0	3,847.2	3,886.1	3,876.9	12.6	8.0	-179.88	9.0	208.2	383.2	369.7	13.53	28.322		
4,000.0	3,945.5	3,985.5	3,976.1	13.0	8.2	-179.87	9.3	215.9	393.8	379.9	13.88	28.372		
4,100.0	4,043.8	4,085.0	4,075.2	13.3	8.4	-179.87	9.7	223.6	404.3	390.1	14.23	28.419		
4,200.0	4,142.2	4,184.4	4,174.4	13.7	8.6	-179.87	10.0	231.3	414.9	400.3	14.58	28.463		
4,300.0	4,240.5	4,283.9	4,273.5	14.1	8.9	-179.87	10.3	239.0	425.4	410.5	14.92	28.506		
4,400.0	4,338.8	4,383.3	4,372.6	14.4	9.1	-179.87	10.6	246.7	436.0	420.7	15.27	28.546		
4,500.0	4,437.1	4,482.7	4,471.8	14.8	9.3	-179.87	11.0	254.4	446.5	430.9	15.62	28.585		
4,600.0	4,535.5	4,582.2	4,570.9	15.2	9.5	-179.87	11.3	262.1	457.1	441.1	15.97	28.622		
4,700.0	4,633.8	4,681.6	4,670.1	15.5	9.7	-179.87	11.6	269.9	467.6	451.3	16.32	28.658		
4,800.0	4,732.1	4,781.1	4,769.2	15.9	10.0	-179.87	12.0	277.6	478.2	461.5	16.67	28.692		
4,900.0	4,830.4	4,880.5	4,868.3	16.3	10.2	-179.87	12.3	285.3	488.7	471.7	17.01	28.725		
5,000.0	4,928.7	4,979.9	4,967.5	16.6	10.4	-179.87	12.6	293.0	499.3	481.9	17.36	28.756		
5,100.0	5,027.1	5,079.4	5,066.6	17.0	10.6	-179.87	12.9	300.7	509.8	492.1	17.71	28.786		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1G-19H-B2685 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,125.4	5,178.8	5,165.8	17.4	10.8	-179.87	13.3	308.4	520.4	502.3	18.06	28.815		
5,300.0	5,223.7	5,278.3	5,264.9	17.7	11.0	-179.87	13.6	316.1	530.9	512.5	18.41	28.843		
5,400.0	5,322.0	5,377.7	5,364.1	18.1	11.3	-179.87	13.9	323.8	541.5	522.7	18.76	28.870		
5,500.0	5,420.4	5,477.2	5,463.2	18.5	11.5	-179.87	14.2	331.5	552.0	532.9	19.10	28.896		
5,600.0	5,518.7	5,576.6	5,562.3	18.8	11.7	-179.87	14.6	339.2	562.6	543.1	19.45	28.921		
5,700.0	5,617.0	5,676.0	5,661.5	19.2	11.9	-179.87	14.9	346.9	573.1	553.3	19.80	28.945		
5,800.0	5,715.3	5,775.5	5,760.6	19.6	12.1	-179.87	15.2	354.7	583.7	563.6	20.15	28.968		
5,900.0	5,813.7	5,874.9	5,859.8	19.9	12.4	-179.87	15.6	362.4	594.3	573.8	20.50	28.991		
6,000.0	5,912.0	5,974.4	5,958.9	20.3	12.6	-179.87	15.9	370.1	604.8	584.0	20.85	29.012		
6,100.0	6,010.3	6,073.8	6,058.0	20.7	12.8	-179.87	16.2	377.8	615.4	594.2	21.19	29.033		
6,200.0	6,108.6	6,173.2	6,157.2	21.0	13.0	-179.87	16.5	385.5	625.9	604.4	21.54	29.054		
6,300.0	6,206.9	6,272.7	6,256.3	21.4	13.2	-179.87	16.9	393.2	636.5	614.6	21.89	29.073		
6,400.0	6,305.3	6,372.1	6,355.5	21.8	13.5	-179.87	17.2	400.9	647.0	624.8	22.24	29.092		
6,500.0	6,403.6	6,471.6	6,454.6	22.1	13.7	-179.87	17.5	408.6	657.6	635.0	22.59	29.111		
6,600.0	6,501.9	6,571.0	6,553.8	22.5	13.9	-179.87	17.8	416.3	668.1	645.2	22.94	29.129		
6,700.0	6,600.2	6,670.5	6,652.9	22.9	14.1	-179.87	18.2	424.0	678.7	655.4	23.28	29.146		
6,800.0	6,698.6	6,768.7	6,750.9	23.2	14.3	-179.93	17.8	431.7	689.2	665.6	23.63	29.167		
6,900.0	6,796.8	6,863.9	6,845.1	23.6	14.5	149.81	7.5	439.0	700.1	676.1	24.00	29.175		
7,000.0	6,893.7	6,958.1	6,936.2	24.0	14.8	123.92	-14.9	446.1	710.9	686.4	24.45	29.081		
7,100.0	6,987.5	7,050.0	7,021.6	24.3	15.0	110.89	-48.2	452.7	721.3	696.3	25.02	28.831		
7,200.0	7,076.3	7,144.2	7,104.0	24.7	15.3	103.48	-93.4	459.1	731.2	705.5	25.76	28.381		
7,300.0	7,158.3	7,236.5	7,178.2	25.0	15.6	98.76	-147.7	464.9	740.3	713.7	26.68	27.747		
7,400.0	7,232.0	7,328.4	7,244.7	25.5	16.0	95.53	-211.0	470.1	748.5	720.7	27.78	26.946		
7,500.0	7,296.0	7,420.1	7,302.3	25.9	16.5	93.26	-282.0	474.5	755.5	726.5	29.05	26.012		
7,600.0	7,348.9	7,511.6	7,350.4	26.5	17.2	91.68	-359.7	478.3	761.3	730.8	30.47	24.982		
7,700.0	7,389.9	7,603.2	7,388.3	27.1	18.0	90.64	-443.0	481.2	765.6	733.6	32.05	23.892		
7,800.0	7,418.0	7,694.8	7,415.2	27.7	18.8	90.06	-530.5	483.3	768.6	734.8	33.76	22.767		
7,900.0	7,432.7	7,786.7	7,430.9	28.5	19.8	89.89	-620.9	484.5	769.9	734.4	35.59	21.634		
8,000.0	7,435.0	7,880.1	7,435.0	29.3	20.9	90.00	-714.2	484.9	770.0	732.3	37.77	20.386		
8,100.0	7,435.0	7,980.1	7,435.0	30.2	22.1	90.00	-814.2	484.9	770.0	729.5	40.48	19.023		
8,200.0	7,435.0	8,080.1	7,435.0	31.1	23.4	90.00	-914.2	484.9	770.0	726.7	43.30	17.785		
8,300.0	7,435.0	8,180.1	7,435.0	32.2	24.8	90.00	-1,014.2	484.9	770.0	723.8	46.21	16.664		
8,400.0	7,435.0	8,280.1	7,435.0	33.2	26.2	90.00	-1,114.2	484.9	770.0	720.8	49.20	15.652		
8,500.0	7,435.0	8,380.1	7,435.0	34.4	27.6	90.00	-1,214.2	484.9	770.0	717.8	52.25	14.737		
8,600.0	7,435.0	8,480.1	7,435.0	35.6	29.1	90.00	-1,314.2	484.9	770.0	714.7	55.36	13.909		
8,700.0	7,435.0	8,580.1	7,435.0	36.8	30.6	90.00	-1,414.2	484.9	770.0	711.5	58.51	13.160		
8,800.0	7,435.0	8,680.1	7,435.0	38.1	32.1	90.00	-1,514.2	484.9	770.0	708.3	61.71	12.479		
8,900.0	7,435.0	8,780.1	7,435.0	39.4	33.7	90.00	-1,614.2	484.9	770.0	705.1	64.93	11.859		
9,000.0	7,435.0	8,880.1	7,435.0	40.7	35.2	90.00	-1,714.2	484.9	770.0	701.8	68.18	11.294		
9,100.0	7,435.0	8,980.1	7,435.0	42.1	36.8	90.00	-1,814.2	484.9	770.0	698.6	71.46	10.776		
9,200.0	7,435.0	9,080.1	7,435.0	43.5	38.4	90.00	-1,914.2	484.9	770.0	695.3	74.76	10.300		
9,300.0	7,435.0	9,180.1	7,435.0	44.9	40.0	90.00	-2,014.2	484.9	770.0	692.0	78.07	9.863		
9,400.0	7,435.0	9,280.1	7,435.0	46.4	41.7	90.00	-2,114.2	484.9	770.0	688.6	81.41	9.459		
9,500.0	7,435.0	9,380.1	7,435.0	47.9	43.3	90.00	-2,214.2	484.9	770.0	685.3	84.75	9.086		
9,600.0	7,435.0	9,480.1	7,435.0	49.4	44.9	90.00	-2,314.2	484.9	770.0	681.9	88.11	8.739		
9,700.0	7,435.0	9,580.1	7,435.0	50.9	46.6	90.00	-2,414.2	484.8	770.0	678.5	91.48	8.417		
9,800.0	7,435.0	9,680.1	7,435.0	52.4	48.2	90.00	-2,514.2	484.8	770.0	675.2	94.86	8.117		
9,900.0	7,435.0	9,780.1	7,435.0	53.9	49.9	90.00	-2,614.2	484.8	770.0	671.8	98.25	7.837		
10,000.0	7,435.0	9,880.1	7,435.0	55.5	51.6	90.00	-2,714.2	484.8	770.0	668.4	101.65	7.575		
10,100.0	7,435.0	9,980.1	7,435.0	57.0	53.3	90.00	-2,814.2	484.8	770.0	665.0	105.05	7.330		
10,200.0	7,435.0	10,080.1	7,435.0	58.6	54.9	90.00	-2,914.2	484.8	770.0	661.6	108.46	7.099		
10,300.0	7,435.0	10,180.1	7,435.0	60.2	56.6	90.00	-3,014.2	484.8	770.0	658.1	111.88	6.883		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1G-19H-B2685 - Hz - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
10,400.0	7,435.0	10,280.1	7,435.0	61.8	58.3	90.00	-3,114.2	484.8	770.0	654.7	115.30	6.678	
10,500.0	7,435.0	10,380.1	7,435.0	63.4	60.0	90.00	-3,214.2	484.8	770.0	651.3	118.73	6.486	
10,600.0	7,435.0	10,480.1	7,435.0	65.0	61.7	90.00	-3,314.2	484.8	770.0	647.9	122.16	6.303	
10,700.0	7,435.0	10,580.1	7,435.0	66.6	63.4	90.00	-3,414.2	484.8	770.0	644.4	125.60	6.131	
10,800.0	7,435.0	10,680.1	7,435.0	68.2	65.1	90.00	-3,514.2	484.8	770.0	641.0	129.04	5.967	
10,900.0	7,435.0	10,780.1	7,435.0	69.9	66.8	90.00	-3,614.2	484.8	770.0	637.5	132.48	5.812	
11,000.0	7,435.0	10,880.1	7,435.0	71.5	68.5	90.00	-3,714.2	484.8	770.0	634.1	135.93	5.665	
11,100.0	7,435.0	10,980.1	7,435.0	73.1	70.2	90.00	-3,814.2	484.8	770.0	630.6	139.38	5.525	
11,200.0	7,435.0	11,080.1	7,435.0	74.8	72.0	90.00	-3,914.2	484.8	770.0	627.2	142.83	5.391	
11,300.0	7,435.0	11,180.1	7,435.0	76.4	73.7	90.00	-4,014.2	484.8	770.0	623.7	146.29	5.264	
11,400.0	7,435.0	11,280.1	7,435.0	78.1	75.4	90.00	-4,114.2	484.8	770.0	620.3	149.75	5.142	
11,500.0	7,435.0	11,393.8	7,435.0	79.8	77.3	90.00	-4,227.9	485.1	769.9	616.4	153.44	5.017	
11,600.0	7,435.0	11,575.9	7,435.0	81.4	80.5	90.00	-4,409.4	498.1	762.7	604.4	158.31	4.818	
11,700.0	7,435.0	11,753.2	7,435.0	83.1	83.6	90.00	-4,583.9	529.4	745.1	582.0	163.06	4.569	
11,800.0	7,435.0	11,922.2	7,435.0	84.8	86.5	90.00	-4,746.3	576.0	717.4	549.8	167.61	4.280	
11,900.0	7,435.0	11,962.7	7,435.0	86.4	87.2	90.00	-4,784.4	589.5	686.8	516.7	170.01	4.040	
12,000.0	7,435.0	11,962.7	7,435.0	88.1	87.2	90.00	-4,784.4	589.5	669.0	497.3	171.74	3.896	
12,057.8	7,435.0	11,962.7	7,435.0	89.1	87.2	90.00	-4,784.4	589.5	665.4	492.7	172.75	3.852 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1H-19H-B2684 - 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	-92.06	-0.7	-20.1	20.1					
100.0	100.0	100.0	100.0	0.2	0.2	-92.06	-0.7	-20.1	20.1	19.8	0.30	66.336		
200.0	200.0	200.0	200.0	0.3	0.3	-92.06	-0.7	-20.1	20.1	19.5	0.65	30.862		
300.0	300.0	300.0	300.0	0.5	0.5	-92.06	-0.7	-20.1	20.1	19.1	1.00	20.109		
400.0	400.0	400.0	400.0	0.7	0.7	-92.06	-0.7	-20.1	20.1	18.8	1.35	14.913 CC, ES		
500.0	500.0	500.0	500.0	0.9	0.8	-179.82	-0.7	-20.1	21.9	20.2	1.70	12.882		
600.0	599.8	599.8	599.8	1.0	1.0	-179.86	-0.7	-20.1	27.1	25.1	2.05	13.258		
700.0	699.5	700.7	700.6	1.3	1.2	-179.87	-0.6	-18.4	34.1	31.7	2.39	14.251		
800.0	798.7	801.8	801.6	1.5	1.4	-179.86	-0.4	-13.0	41.0	38.3	2.74	14.989		
900.0	897.5	903.1	902.5	1.8	1.6	-179.83	0.0	-4.1	47.9	44.8	3.08	15.555		
1,000.0	995.8	1,003.9	1,002.6	2.1	1.8	-179.79	0.5	8.0	54.1	50.7	3.43	15.775		
1,100.0	1,094.1	1,103.7	1,101.7	2.5	2.1	-179.75	1.1	20.5	59.8	56.0	3.78	15.825		
1,200.0	1,192.5	1,203.6	1,200.7	2.8	2.3	-179.72	1.6	33.1	65.5	61.4	4.13	15.867		
1,300.0	1,290.8	1,303.4	1,299.7	3.2	2.6	-179.69	2.2	45.6	71.3	66.8	4.48	15.903		
1,400.0	1,389.1	1,403.3	1,398.8	3.5	2.8	-179.67	2.7	58.1	77.0	72.2	4.83	15.934		
1,500.0	1,487.4	1,503.1	1,497.8	3.9	3.1	-179.65	3.3	70.7	82.7	77.5	5.18	15.961		
1,600.0	1,585.7	1,602.9	1,596.9	4.2	3.4	-179.64	3.8	83.2	88.4	82.9	5.53	15.984		
1,700.0	1,684.1	1,702.8	1,695.9	4.6	3.6	-179.62	4.4	95.8	94.1	88.3	5.88	16.006		
1,800.0	1,782.4	1,802.6	1,795.0	4.9	3.9	-179.61	4.9	108.3	99.9	93.6	6.23	16.024		
1,900.0	1,880.7	1,902.4	1,894.0	5.3	4.2	-179.60	5.5	120.9	105.6	99.0	6.58	16.041		
2,000.0	1,979.0	2,002.3	1,993.0	5.7	4.5	-179.59	6.0	133.4	111.3	104.4	6.93	16.057		
2,100.0	2,077.4	2,102.1	2,092.1	6.0	4.7	-179.58	6.6	146.0	117.0	109.7	7.28	16.071		
2,200.0	2,175.7	2,201.9	2,191.1	6.4	5.0	-179.57	7.1	158.5	122.7	115.1	7.63	16.083		
2,300.0	2,274.0	2,301.8	2,290.2	6.8	5.3	-179.56	7.7	171.1	128.5	120.5	7.98	16.095		
2,400.0	2,372.3	2,401.6	2,389.2	7.1	5.6	-179.56	8.3	183.6	134.2	125.9	8.33	16.105		
2,500.0	2,470.7	2,501.5	2,488.3	7.5	5.8	-179.55	8.8	196.2	139.9	131.2	8.68	16.115		
2,600.0	2,569.0	2,601.3	2,587.3	7.8	6.1	-179.54	9.4	208.7	145.6	136.6	9.03	16.124		
2,700.0	2,667.3	2,701.1	2,686.3	8.2	6.4	-179.54	9.9	221.3	151.3	142.0	9.38	16.133		
2,800.0	2,765.6	2,801.0	2,785.4	8.6	6.7	-179.53	10.5	233.8	157.1	147.3	9.73	16.140		
2,900.0	2,864.0	2,900.8	2,884.4	8.9	7.0	-179.53	11.0	246.4	162.8	152.7	10.08	16.148		
3,000.0	2,962.3	3,000.6	2,983.5	9.3	7.2	-179.53	11.6	258.9	168.5	158.1	10.43	16.155		
3,100.0	3,060.6	3,100.5	3,082.5	9.7	7.5	-179.52	12.1	271.5	174.2	163.4	10.78	16.161		
3,200.0	3,158.9	3,200.3	3,181.6	10.0	7.8	-179.52	12.7	284.0	179.9	168.8	11.13	16.167		
3,300.0	3,257.2	3,300.1	3,280.6	10.4	8.1	-179.51	13.2	296.6	185.7	174.2	11.48	16.173		
3,400.0	3,355.6	3,400.0	3,379.6	10.8	8.4	-179.51	13.8	309.1	191.4	179.6	11.83	16.178		
3,500.0	3,453.9	3,499.8	3,478.7	11.1	8.6	-179.51	14.3	321.7	197.1	184.9	12.18	16.183		
3,600.0	3,552.2	3,599.7	3,577.7	11.5	8.9	-179.50	14.9	334.2	202.8	190.3	12.53	16.188		
3,700.0	3,650.5	3,699.5	3,676.8	11.9	9.2	-179.50	15.4	346.8	208.5	195.7	12.88	16.192		
3,800.0	3,748.9	3,799.3	3,775.8	12.2	9.5	-179.50	16.0	359.3	214.3	201.0	13.23	16.196		
3,900.0	3,847.2	3,899.2	3,874.9	12.6	9.7	-179.50	16.6	371.9	220.0	206.4	13.58	16.200		
4,000.0	3,945.5	3,999.0	3,973.9	13.0	10.0	-179.49	17.1	384.4	225.7	211.8	13.93	16.204		
4,100.0	4,043.8	4,098.8	4,072.9	13.3	10.3	-179.49	17.7	397.0	231.4	217.1	14.28	16.208		
4,200.0	4,142.2	4,198.7	4,172.0	13.7	10.6	-179.49	18.2	409.5	237.1	222.5	14.63	16.211		
4,300.0	4,240.5	4,298.5	4,271.0	14.1	10.9	-179.49	18.8	422.1	242.9	227.9	14.98	16.215		
4,400.0	4,338.8	4,398.3	4,370.1	14.4	11.2	-179.49	19.3	434.6	248.6	233.3	15.33	16.218		
4,500.0	4,437.1	4,498.2	4,469.1	14.8	11.4	-179.48	19.9	447.2	254.3	238.6	15.68	16.221		
4,600.0	4,535.5	4,598.0	4,568.2	15.2	11.7	-179.48	20.4	459.7	260.0	244.0	16.03	16.224		
4,700.0	4,633.8	4,697.9	4,667.2	15.5	12.0	-179.48	21.0	472.3	265.7	249.4	16.38	16.227		
4,800.0	4,732.1	4,797.7	4,766.2	15.9	12.3	-179.48	21.5	484.8	271.5	254.7	16.73	16.229		
4,900.0	4,830.4	4,897.5	4,865.3	16.3	12.6	-179.48	22.1	497.3	277.2	260.1	17.08	16.232		
5,000.0	4,928.7	4,997.4	4,964.3	16.6	12.8	-179.48	22.6	509.9	282.9	265.5	17.43	16.234		
5,100.0	5,027.1	5,097.2	5,063.4	17.0	13.1	-179.47	23.2	522.4	288.6	270.9	17.78	16.237		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1H-19H-B2684 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,125.4	5,197.0	5,162.4	17.4	13.4	-179.47	23.7	535.0	294.3	276.2	18.13	16.239		
5,300.0	5,223.7	5,296.9	5,261.5	17.7	13.7	-179.47	24.3	547.5	300.1	281.6	18.48	16.241		
5,400.0	5,322.0	5,396.7	5,360.5	18.1	14.0	-179.47	24.8	560.1	305.8	287.0	18.83	16.243		
5,500.0	5,420.4	5,496.5	5,459.5	18.5	14.2	-179.47	25.4	572.6	311.5	292.3	19.18	16.245		
5,600.0	5,518.7	5,596.4	5,558.6	18.8	14.5	-179.47	26.0	585.2	317.2	297.7	19.53	16.247		
5,700.0	5,617.0	5,696.2	5,657.6	19.2	14.8	-179.47	26.5	597.7	322.9	303.1	19.87	16.249		
5,800.0	5,715.3	5,796.1	5,756.7	19.6	15.1	-179.46	27.1	610.3	328.7	308.4	20.22	16.251		
5,900.0	5,813.7	5,895.9	5,855.7	19.9	15.4	-179.46	27.6	622.8	334.4	313.8	20.57	16.253		
6,000.0	5,912.0	5,995.7	5,954.8	20.3	15.6	-179.46	28.2	635.4	340.1	319.2	20.92	16.254		
6,100.0	6,010.3	6,095.6	6,053.8	20.7	15.9	-179.46	28.7	647.9	345.8	324.6	21.27	16.256		
6,200.0	6,108.6	6,195.4	6,152.9	21.0	16.2	-179.46	29.3	660.5	351.5	329.9	21.62	16.258		
6,300.0	6,206.9	6,295.2	6,251.9	21.4	16.5	-179.46	29.8	673.0	357.3	335.3	21.97	16.259		
6,400.0	6,305.3	6,395.1	6,350.9	21.8	16.8	-179.46	30.4	685.6	363.0	340.7	22.32	16.261		
6,500.0	6,403.6	6,494.9	6,450.0	22.1	17.0	-179.46	30.9	698.1	368.7	346.0	22.67	16.262		
6,600.0	6,501.9	6,594.7	6,549.0	22.5	17.3	-179.46	31.5	710.7	374.4	351.4	23.02	16.263		
6,700.0	6,600.2	6,694.6	6,648.1	22.9	17.6	-179.46	32.0	723.2	380.1	356.8	23.37	16.265		
6,800.0	6,698.6	6,794.4	6,747.1	23.2	17.9	-179.46	32.6	735.8	385.9	362.1	23.72	16.266		
6,900.0	6,796.8	6,894.1	6,846.0	23.6	18.2	151.71	33.1	748.3	391.5	367.4	24.07	16.262		
7,000.0	6,893.7	6,992.8	6,943.7	24.0	18.4	128.33	27.6	760.7	397.1	372.7	24.42	16.258		
7,100.0	6,987.5	7,093.0	7,041.1	24.3	18.7	117.67	8.2	772.9	402.9	378.1	24.76	16.268		
7,200.0	7,076.3	7,194.7	7,136.3	24.7	19.0	112.46	-25.3	784.8	408.7	383.6	25.12	16.271		
7,300.0	7,158.3	7,298.0	7,227.2	25.0	19.3	109.73	-72.9	796.0	414.4	388.9	25.54	16.229		
7,400.0	7,232.0	7,402.9	7,311.6	25.5	19.7	108.26	-134.2	806.4	419.9	393.8	26.11	16.081		
7,500.0	7,296.0	7,509.4	7,387.3	25.9	20.1	107.50	-208.4	815.6	425.0	398.1	26.95	15.769		
7,600.0	7,348.9	7,617.4	7,452.1	26.5	20.7	107.15	-294.4	823.4	429.5	401.4	28.16	15.253		
7,700.0	7,389.9	7,726.8	7,503.8	27.1	21.4	107.04	-390.4	829.4	433.4	403.5	29.81	14.537		
7,800.0	7,418.0	7,837.3	7,540.8	27.7	22.3	107.09	-494.4	833.6	436.3	404.4	31.93	13.666		
7,900.0	7,432.7	7,948.7	7,561.6	28.5	23.2	107.23	-603.7	835.7	438.3	403.8	34.47	12.715		
8,000.0	7,435.0	8,057.3	7,566.0	29.3	24.3	107.35	-712.1	835.7	439.2	402.1	37.16	11.820		
8,100.0	7,435.0	8,157.3	7,566.0	30.2	25.3	107.33	-812.1	835.1	439.7	400.0	39.70	11.076		
8,200.0	7,435.0	8,257.3	7,566.0	31.1	26.5	107.31	-912.1	834.6	440.2	397.9	42.35	10.395		
8,300.0	7,435.0	8,357.3	7,566.0	32.2	27.7	107.29	-1,012.1	834.1	440.7	395.6	45.09	9.773		
8,400.0	7,435.0	8,457.3	7,566.0	33.2	28.9	107.27	-1,112.1	833.6	441.2	393.3	47.91	9.208		
8,500.0	7,435.0	8,557.3	7,566.0	34.4	30.2	107.25	-1,212.1	833.1	441.7	390.9	50.80	8.694		
8,600.0	7,435.0	8,657.3	7,566.0	35.6	31.6	107.23	-1,312.1	832.6	442.2	388.4	53.74	8.227		
8,700.0	7,435.0	8,757.3	7,566.0	36.8	33.0	107.21	-1,412.1	832.0	442.7	385.9	56.73	7.802		
8,800.0	7,435.0	8,857.3	7,566.0	38.1	34.4	107.19	-1,512.1	831.5	443.2	383.4	59.76	7.415		
8,900.0	7,435.0	8,957.3	7,566.0	39.4	35.8	107.17	-1,612.1	831.0	443.6	380.8	62.83	7.062		
9,000.0	7,435.0	9,057.2	7,566.0	40.7	37.3	107.15	-1,712.1	830.5	444.1	378.2	65.92	6.738		
9,100.0	7,435.0	9,157.2	7,566.0	42.1	38.8	107.14	-1,812.1	830.0	444.6	375.6	69.04	6.441		
9,200.0	7,435.0	9,257.2	7,566.0	43.5	40.3	107.12	-1,912.0	829.5	445.1	372.9	72.18	6.167		
9,300.0	7,435.0	9,357.2	7,566.0	44.9	41.9	107.10	-2,012.0	829.0	445.6	370.3	75.34	5.915		
9,400.0	7,435.0	9,457.2	7,566.0	46.4	43.4	107.08	-2,112.0	828.4	446.1	367.6	78.52	5.682		
9,500.0	7,435.0	9,557.2	7,566.0	47.9	45.0	107.06	-2,212.0	827.9	446.6	364.9	81.71	5.466		
9,600.0	7,435.0	9,657.2	7,566.0	49.4	46.6	107.04	-2,312.0	827.4	447.1	362.2	84.92	5.265		
9,700.0	7,435.0	9,757.2	7,566.0	50.9	48.2	107.02	-2,412.0	826.9	447.6	359.5	88.13	5.079		
9,800.0	7,435.0	9,857.2	7,566.0	52.4	49.8	107.00	-2,512.0	826.4	448.1	356.7	91.36	4.904		
9,900.0	7,435.0	9,957.2	7,566.0	53.9	51.4	106.98	-2,612.0	825.9	448.6	354.0	94.60	4.742		
10,000.0	7,435.0	10,057.2	7,566.0	55.5	53.0	106.96	-2,712.0	825.3	449.1	351.2	97.85	4.589		
10,100.0	7,435.0	10,157.2	7,566.0	57.0	54.6	106.94	-2,812.0	824.8	449.6	348.5	101.11	4.446		
10,200.0	7,435.0	10,257.2	7,566.0	58.6	56.3	106.92	-2,912.0	824.3	450.1	345.7	104.38	4.312		
10,300.0	7,435.0	10,357.2	7,566.0	60.2	57.9	106.90	-3,012.0	823.8	450.5	342.9	107.65	4.185		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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 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	10,457.2	7,566.0	61.8	59.6	106.88	-3,112.0	823.3	451.0	340.1	110.93	4.066				
10,500.0	7,435.0	10,557.2	7,566.0	63.4	61.2	106.87	-3,212.0	822.8	451.5	337.3	114.21	3.954				
10,600.0	7,435.0	10,657.2	7,566.0	65.0	62.9	106.85	-3,312.0	822.2	452.0	334.5	117.50	3.847				
10,700.0	7,435.0	10,757.2	7,566.0	66.6	64.6	106.83	-3,412.0	821.7	452.5	331.7	120.80	3.746				
10,800.0	7,435.0	10,857.2	7,566.0	68.2	66.2	106.81	-3,512.0	821.2	453.0	328.9	124.09	3.651				
10,900.0	7,435.0	10,957.2	7,566.0	69.9	67.9	106.79	-3,612.0	820.7	453.5	326.1	127.40	3.560				
11,000.0	7,435.0	11,057.2	7,566.0	71.5	69.6	106.77	-3,712.0	820.2	454.0	323.3	130.71	3.473				
11,100.0	7,435.0	11,157.2	7,566.0	73.1	71.3	106.75	-3,812.0	819.7	454.5	320.5	134.02	3.391				
11,200.0	7,435.0	11,257.2	7,566.0	74.8	73.0	106.73	-3,912.0	819.2	455.0	317.7	137.33	3.313				
11,300.0	7,435.0	11,357.2	7,566.0	76.4	74.6	106.71	-4,012.0	818.6	455.5	314.8	140.65	3.238				
11,400.0	7,435.0	11,457.2	7,566.0	78.1	76.3	106.70	-4,112.0	818.1	456.0	312.0	143.97	3.167				
11,500.0	7,435.0	11,557.2	7,566.0	79.8	78.0	106.68	-4,212.0	817.6	456.5	309.2	147.30	3.099				
11,600.0	7,435.0	11,657.2	7,566.0	81.4	79.7	106.66	-4,312.0	817.1	457.0	306.3	150.63	3.034				
11,700.0	7,435.0	11,757.2	7,566.0	83.1	81.4	106.64	-4,412.0	816.6	457.5	303.5	153.96	2.971				
11,800.0	7,435.0	11,857.2	7,566.0	84.8	83.1	106.62	-4,512.0	816.1	458.0	300.7	157.29	2.912				
11,900.0	7,435.0	11,957.2	7,566.0	86.4	84.8	106.60	-4,612.0	815.5	458.5	297.8	160.62	2.854				
12,000.0	7,435.0	12,057.2	7,566.0	88.1	86.5	106.59	-4,712.0	815.0	458.9	295.0	163.96	2.799				
12,057.8	7,435.0	12,115.0	7,566.0	89.1	87.5	106.57	-4,769.7	814.7	459.2	293.3	165.89	2.768 SF				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1I-19H-B2683 - 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		
0.0	0.0	0.0	0.0	0.0	0.0	-92.07	-0.4	-10.1	10.1					
100.0	100.0	100.0	100.0	0.2	0.2	-92.07	-0.4	-10.1	10.1	9.8	0.30	33.168		
200.0	200.0	200.0	200.0	0.3	0.3	-92.07	-0.4	-10.1	10.1	9.4	0.65	15.431		
300.0	300.0	300.0	300.0	0.5	0.5	-92.07	-0.4	-10.1	10.1	9.1	1.00	10.054		
400.0	400.0	400.0	400.0	0.7	0.7	-92.07	-0.4	-10.1	10.1	8.7	1.35	7.456 CC, ES		
500.0	500.0	500.0	500.0	0.9	0.8	-179.85	-0.4	-10.1	11.8	10.1	1.70	6.955		
600.0	599.8	600.4	600.4	1.0	1.0	-179.86	-0.3	-8.3	15.3	13.3	2.05	7.476		
700.0	699.5	700.9	700.8	1.3	1.2	-179.83	-0.1	-3.0	18.8	16.4	2.39	7.843		
800.0	798.7	801.6	801.0	1.5	1.4	-179.77	0.3	5.8	22.2	19.5	2.74	8.113		
900.0	897.5	902.4	901.1	1.8	1.7	-179.70	0.8	18.1	25.6	22.6	3.08	8.320		
1,000.0	995.8	1,002.8	1,000.3	2.1	1.9	-179.62	1.5	33.4	28.5	25.1	3.43	8.312		
1,100.0	1,094.1	1,102.8	1,099.0	2.5	2.2	-179.55	2.2	49.1	31.1	27.3	3.78	8.222		
1,200.0	1,192.5	1,202.7	1,197.7	2.8	2.5	-179.49	2.8	64.8	33.7	29.5	4.13	8.147		
1,300.0	1,290.8	1,302.7	1,296.5	3.2	2.8	-179.44	3.5	80.5	36.3	31.8	4.48	8.084		
1,400.0	1,389.1	1,402.7	1,395.2	3.5	3.1	-179.39	4.2	96.1	38.8	34.0	4.84	8.031		
1,500.0	1,487.4	1,502.6	1,493.9	3.9	3.5	-179.35	4.9	111.8	41.4	36.2	5.19	7.985		
1,600.0	1,585.7	1,602.6	1,592.7	4.2	3.8	-179.32	5.5	127.5	44.0	38.5	5.54	7.945		
1,700.0	1,684.1	1,702.6	1,691.4	4.6	4.1	-179.29	6.2	143.2	46.6	40.7	5.89	7.909		
1,800.0	1,782.4	1,802.5	1,790.1	4.9	4.4	-179.26	6.9	158.8	49.2	42.9	6.24	7.878		
1,900.0	1,880.7	1,902.5	1,888.8	5.3	4.7	-179.23	7.6	174.5	51.7	45.1	6.59	7.850		
2,000.0	1,979.0	2,002.5	1,987.6	5.7	5.1	-179.21	8.2	190.2	54.3	47.4	6.94	7.825		
2,100.0	2,077.4	2,102.4	2,086.3	6.0	5.4	-179.19	8.9	205.9	56.9	49.6	7.29	7.802		
2,200.0	2,175.7	2,202.4	2,185.0	6.4	5.7	-179.17	9.6	221.5	59.5	51.8	7.64	7.782		
2,300.0	2,274.0	2,302.4	2,283.7	6.8	6.0	-179.15	10.2	237.2	62.0	54.1	7.99	7.763		
2,400.0	2,372.3	2,402.3	2,382.5	7.1	6.3	-179.14	10.9	252.9	64.6	56.3	8.34	7.746		
2,500.0	2,470.7	2,502.3	2,481.2	7.5	6.7	-179.12	11.6	268.6	67.2	58.5	8.69	7.730		
2,600.0	2,569.0	2,602.3	2,579.9	7.8	7.0	-179.11	12.3	284.2	69.8	60.7	9.04	7.716		
2,700.0	2,667.3	2,702.2	2,678.7	8.2	7.3	-179.10	12.9	299.9	72.4	63.0	9.39	7.702		
2,800.0	2,765.6	2,802.2	2,777.4	8.6	7.6	-179.09	13.6	315.6	74.9	65.2	9.75	7.690		
2,900.0	2,864.0	2,902.2	2,876.1	8.9	8.0	-179.08	14.3	331.3	77.5	67.4	10.10	7.678		
3,000.0	2,962.3	3,002.1	2,974.8	9.3	8.3	-179.06	14.9	346.9	80.1	69.7	10.45	7.668		
3,100.0	3,060.6	3,102.1	3,073.6	9.7	8.6	-179.06	15.6	362.6	82.7	71.9	10.80	7.657		
3,200.0	3,158.9	3,202.1	3,172.3	10.0	8.9	-179.05	16.3	378.3	85.3	74.1	11.15	7.648		
3,300.0	3,257.2	3,302.0	3,271.0	10.4	9.3	-179.04	17.0	393.9	87.8	76.3	11.50	7.639		
3,400.0	3,355.6	3,402.0	3,369.8	10.8	9.6	-179.03	17.6	409.6	90.4	78.6	11.85	7.631		
3,500.0	3,453.9	3,502.0	3,468.5	11.1	9.9	-179.02	18.3	425.3	93.0	80.8	12.20	7.623		
3,600.0	3,552.2	3,601.9	3,567.2	11.5	10.2	-179.01	19.0	441.0	95.6	83.0	12.55	7.615		
3,700.0	3,650.5	3,701.9	3,665.9	11.9	10.6	-179.01	19.7	456.6	98.2	85.3	12.90	7.608		
3,800.0	3,748.9	3,801.9	3,764.7	12.2	10.9	-179.00	20.3	472.3	100.7	87.5	13.25	7.602		
3,900.0	3,847.2	3,901.8	3,863.4	12.6	11.2	-179.00	21.0	488.0	103.3	89.7	13.60	7.596		
4,000.0	3,945.5	4,001.8	3,962.1	13.0	11.5	-178.99	21.7	503.7	105.9	91.9	13.95	7.590		
4,100.0	4,043.8	4,101.8	4,060.9	13.3	11.9	-178.98	22.3	519.3	108.5	94.2	14.30	7.584		
4,200.0	4,142.2	4,201.7	4,159.6	13.7	12.2	-178.98	23.0	535.0	111.0	96.4	14.65	7.578		
4,300.0	4,240.5	4,301.7	4,258.3	14.1	12.5	-178.97	23.7	550.7	113.6	98.6	15.00	7.573		
4,400.0	4,338.8	4,401.7	4,357.0	14.4	12.9	-178.97	24.4	566.4	116.2	100.9	15.35	7.568		
4,500.0	4,437.1	4,501.6	4,455.8	14.8	13.2	-178.96	25.0	582.0	118.8	103.1	15.70	7.564		
4,600.0	4,535.5	4,601.6	4,554.5	15.2	13.5	-178.96	25.7	597.7	121.4	105.3	16.06	7.559		
4,700.0	4,633.8	4,701.6	4,653.2	15.5	13.8	-178.96	26.4	613.4	123.9	107.5	16.41	7.555		
4,800.0	4,732.1	4,801.5	4,751.9	15.9	14.2	-178.95	27.0	629.1	126.5	109.8	16.76	7.551		
4,900.0	4,830.4	4,901.5	4,850.7	16.3	14.5	-178.95	27.7	644.7	129.1	112.0	17.11	7.547		
5,000.0	4,928.7	5,001.5	4,949.4	16.6	14.8	-178.94	28.4	660.4	131.7	114.2	17.46	7.543		
5,100.0	5,027.1	5,101.4	5,048.1	17.0	15.1	-178.94	29.1	676.1	134.3	116.5	17.81	7.539		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1I-19H-B2683 - 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							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,125.4	5,201.4	5,146.9	17.4	15.5	-178.94	29.7	691.8	136.8	118.7	18.16	7.536		
5,300.0	5,223.7	5,301.4	5,245.6	17.7	15.8	-178.93	30.4	707.4	139.4	120.9	18.51	7.532		
5,400.0	5,322.0	5,401.3	5,344.3	18.1	16.1	-178.93	31.1	723.1	142.0	123.1	18.86	7.529		
5,500.0	5,420.4	5,501.3	5,443.0	18.5	16.4	-178.93	31.7	738.8	144.6	125.4	19.21	7.526		
5,600.0	5,518.7	5,601.3	5,541.8	18.8	16.8	-178.92	32.4	754.4	147.2	127.6	19.56	7.523		
5,700.0	5,617.0	5,701.2	5,640.5	19.2	17.1	-178.92	33.1	770.1	149.7	129.8	19.91	7.520		
5,800.0	5,715.3	5,801.2	5,739.2	19.6	17.4	-178.92	33.8	785.8	152.3	132.1	20.26	7.517		
5,900.0	5,813.7	5,901.2	5,838.0	19.9	17.8	-178.92	34.4	801.5	154.9	134.3	20.61	7.515		
6,000.0	5,912.0	6,001.1	5,936.7	20.3	18.1	-178.91	35.1	817.1	157.5	136.5	20.96	7.512		
6,100.0	6,010.3	6,101.1	6,035.4	20.7	18.4	-178.91	35.8	832.8	160.1	138.7	21.31	7.509		
6,200.0	6,108.6	6,201.1	6,134.1	21.0	18.7	-178.91	36.5	848.5	162.6	141.0	21.66	7.507		
6,300.0	6,206.9	6,301.0	6,232.9	21.4	19.1	-178.91	37.1	864.2	165.2	143.2	22.01	7.505		
6,400.0	6,305.3	6,401.0	6,331.6	21.8	19.4	-178.90	37.8	879.8	167.8	145.4	22.36	7.502		
6,500.0	6,403.6	6,501.0	6,430.3	22.1	19.7	-178.90	38.5	895.5	170.4	147.7	22.72	7.500		
6,600.0	6,501.9	6,600.9	6,529.1	22.5	20.0	-178.90	39.1	911.2	172.9	149.9	23.07	7.498		
6,700.0	6,600.2	6,700.9	6,627.8	22.9	20.4	-178.90	39.8	926.9	175.5	152.1	23.42	7.496		
6,800.0	6,698.6	6,800.0	6,725.4	23.2	20.7	178.91	33.7	942.4	178.4	154.6	23.77	7.505		
6,900.0	6,796.8	6,895.8	6,818.1	23.6	21.0	144.59	14.8	957.1	182.7	158.1	24.56	7.437		
7,000.0	6,893.7	6,989.7	6,905.7	24.0	21.3	115.05	-15.7	971.0	188.4	162.4	25.98	7.251		
7,100.0	6,987.5	7,081.8	6,987.1	24.3	21.6	98.80	-56.6	983.9	195.0	167.2	27.73	7.031		
7,200.0	7,076.3	7,172.3	7,061.4	24.7	21.9	88.65	-106.8	995.7	202.0	172.5	29.49	6.849		
7,300.0	7,158.3	7,261.4	7,127.9	25.0	22.3	81.62	-165.0	1,006.3	209.1	178.1	31.03	6.740		
7,400.0	7,232.0	7,350.0	7,186.5	25.5	22.7	76.48	-230.8	1,015.6	215.8	183.6	32.20	6.702		
7,500.0	7,296.0	7,436.2	7,235.3	25.9	23.2	72.71	-301.4	1,023.3	221.9	188.9	32.97	6.731		
7,600.0	7,348.9	7,522.4	7,275.4	26.5	23.7	69.93	-377.4	1,029.7	227.0	193.6	33.39	6.799		
7,700.0	7,389.9	7,608.0	7,306.0	27.1	24.3	67.99	-457.1	1,034.5	231.0	197.5	33.53	6.888		
7,800.0	7,418.0	7,693.2	7,327.0	27.7	24.9	66.76	-539.5	1,037.9	233.7	200.1	33.53	6.969		
7,900.0	7,432.7	7,778.1	7,338.1	28.5	25.6	66.19	-623.7	1,039.6	234.9	201.4	33.49	7.016		
8,000.0	7,435.0	7,868.7	7,340.0	29.3	26.5	66.16	-714.2	1,039.9	235.0	200.5	34.52	6.808		
8,100.0	7,435.0	7,968.7	7,340.0	30.2	27.4	66.16	-814.2	1,039.9	235.0	198.0	37.03	6.345		
8,200.0	7,435.0	8,068.7	7,340.0	31.1	28.5	66.16	-914.2	1,039.9	235.0	195.3	39.65	5.927		
8,300.0	7,435.0	8,168.7	7,340.0	32.2	29.6	66.16	-1,014.2	1,039.9	235.0	192.7	42.35	5.549		
8,400.0	7,435.0	8,268.7	7,340.0	33.2	30.8	66.16	-1,114.2	1,039.9	235.0	189.9	45.11	5.209		
8,500.0	7,435.0	8,368.7	7,340.0	34.4	32.0	66.16	-1,214.2	1,039.9	235.0	187.1	47.93	4.902		
8,600.0	7,435.0	8,468.7	7,340.0	35.6	33.3	66.16	-1,314.2	1,039.9	235.0	184.2	50.80	4.626		
8,700.0	7,435.0	8,568.7	7,340.0	36.8	34.6	66.16	-1,414.2	1,039.9	235.0	181.3	53.71	4.375		
8,800.0	7,435.0	8,668.7	7,340.0	38.1	36.0	66.16	-1,514.2	1,039.9	235.0	178.4	56.65	4.148		
8,900.0	7,435.0	8,768.7	7,340.0	39.4	37.3	66.16	-1,614.2	1,039.9	235.0	175.4	59.62	3.942		
9,000.0	7,435.0	8,868.7	7,340.0	40.7	38.8	66.16	-1,714.2	1,039.9	235.0	172.4	62.61	3.753		
9,055.7	7,435.0	8,924.4	7,340.0	41.5	39.6	66.16	-1,770.0	1,039.9	235.0	170.7	64.29	3.655		
9,100.0	7,435.0	8,968.2	7,340.0	42.1	40.2	66.16	-1,813.7	1,039.9	235.0	169.4	65.62	3.582		
9,200.0	7,435.0	9,064.6	7,340.0	43.5	41.6	66.26	-1,910.1	1,038.9	236.0	167.4	68.64	3.438		
9,300.0	7,435.0	9,160.9	7,340.0	44.9	43.0	66.52	-2,006.4	1,036.2	238.5	166.8	71.76	3.324		
9,400.0	7,435.0	9,257.2	7,340.0	46.4	44.4	66.92	-2,102.6	1,032.0	242.6	167.6	74.98	3.235		
9,500.0	7,435.0	9,357.0	7,340.0	47.9	45.9	67.39	-2,202.3	1,026.7	247.4	169.1	78.33	3.159		
9,600.0	7,435.0	9,457.0	7,340.0	49.4	47.4	67.85	-2,302.1	1,021.5	252.3	170.6	81.68	3.088		
9,700.0	7,435.0	9,561.2	7,340.0	50.9	49.0	68.23	-2,406.2	1,017.0	256.2	171.1	85.09	3.011		
9,800.0	7,435.0	9,665.5	7,340.0	52.4	50.7	68.44	-2,510.5	1,014.5	258.5	170.1	88.43	2.924		
9,900.0	7,435.0	9,769.3	7,340.0	53.9	52.3	68.50	-2,614.2	1,013.8	259.2	167.5	91.68	2.827		
10,000.0	7,435.0	9,869.3	7,340.0	55.5	53.9	68.50	-2,714.2	1,013.8	259.2	164.3	94.85	2.732		
10,100.0	7,435.0	9,969.3	7,340.0	57.0	55.5	68.50	-2,814.2	1,013.8	259.2	161.1	98.03	2.644		
10,200.0	7,435.0	10,069.3	7,340.0	58.6	57.1	68.50	-2,914.2	1,013.8	259.2	157.9	101.21	2.561		

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



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1J-19H-B2683 - 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
10,300.0	7,435.0	10,169.3	7,340.0	60.2	58.8	68.50	-3,014.2	1,013.8	259.2	154.8	104.40	2.482	
10,400.0	7,435.0	10,269.3	7,340.0	61.8	60.4	68.50	-3,114.2	1,013.8	259.2	151.6	107.59	2.409	
10,500.0	7,435.0	10,369.3	7,340.0	63.4	62.0	68.50	-3,214.2	1,013.8	259.2	148.4	110.78	2.339	
10,600.0	7,435.0	10,469.3	7,340.0	65.0	63.7	68.50	-3,314.2	1,013.8	259.2	145.2	113.98	2.274	
10,700.0	7,435.0	10,572.3	7,340.0	66.6	65.4	68.46	-3,417.3	1,014.2	258.7	141.5	117.21	2.208	
10,800.0	7,435.0	10,673.8	7,340.0	68.2	67.1	68.31	-3,518.8	1,016.0	257.1	136.8	120.32	2.137	
10,900.0	7,435.0	10,773.8	7,340.0	69.9	68.7	68.15	-3,618.7	1,017.9	255.3	131.9	123.40	2.069	
11,000.0	7,435.0	10,873.8	7,340.0	71.5	70.4	67.99	-3,718.7	1,019.8	253.6	127.1	126.47	2.005	
11,100.0	7,435.0	10,973.7	7,340.0	73.1	72.1	67.83	-3,818.7	1,021.7	251.8	122.3	129.54	1.944	
11,200.0	7,435.0	11,073.7	7,340.0	74.8	73.8	67.67	-3,918.6	1,023.6	250.1	117.5	132.59	1.886	
11,300.0	7,435.0	11,173.7	7,340.0	76.4	75.5	67.50	-4,018.6	1,025.5	248.3	112.7	135.64	1.831	
11,400.0	7,435.0	11,273.7	7,340.0	78.1	77.1	67.34	-4,118.5	1,027.4	246.6	107.9	138.68	1.778	
11,500.0	7,435.0	11,373.7	7,340.0	79.8	78.8	67.17	-4,218.5	1,029.3	244.8	103.1	141.71	1.728	
11,600.0	7,435.0	11,473.7	7,340.0	81.4	80.5	66.99	-4,318.5	1,031.2	243.1	98.4	144.73	1.680	
11,700.0	7,435.0	11,573.6	7,340.0	83.1	82.2	66.82	-4,418.4	1,033.0	241.4	93.6	147.74	1.634	
11,800.0	7,435.0	11,673.6	7,340.0	84.8	83.9	66.64	-4,518.4	1,034.9	239.6	88.9	150.74	1.590	
11,900.0	7,435.0	11,773.6	7,340.0	86.4	85.6	66.46	-4,618.4	1,036.8	237.9	84.1	153.73	1.547	
12,000.0	7,435.0	11,873.6	7,340.0	88.1	87.3	66.27	-4,718.3	1,038.7	236.1	79.4	156.71	1.507	
12,057.8	7,435.0	11,931.3	7,340.0	89.1	88.3	66.17	-4,776.0	1,039.8	235.1	76.7	158.42	1.484 Level 3, SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	87.87	0.4	9.8	9.8					
100.0	100.0	100.0	100.0	0.2	0.2	87.87	0.4	9.8	9.8	9.5	0.30	32.248		
200.0	200.0	200.0	200.0	0.3	0.3	87.87	0.4	9.8	9.8	9.1	0.65	15.003		
300.0	300.0	300.0	300.0	0.5	0.5	87.87	0.4	9.8	9.8	8.8	1.00	9.776 CC, ES		
400.0	400.0	399.6	399.6	0.7	0.7	87.88	0.4	11.5	11.5	10.2	1.35	8.524		
500.0	500.0	499.1	498.9	0.9	0.9	0.17	0.6	16.7	15.0	13.3	1.70	8.834		
600.0	599.8	598.5	597.9	1.0	1.1	0.23	0.9	25.3	18.4	16.4	2.04	9.023		
700.0	699.5	697.7	696.4	1.3	1.3	0.30	1.4	37.3	21.9	19.5	2.39	9.152		
800.0	798.7	796.8	794.3	1.5	1.6	0.37	1.9	52.7	25.3	22.5	2.73	9.243		
900.0	897.5	895.8	891.6	1.8	2.0	0.46	2.6	71.5	28.6	25.6	3.08	9.307		
1,000.0	995.8	995.8	989.3	2.1	2.4	0.54	3.3	92.3	31.4	27.9	3.43	9.152		
1,100.0	1,094.1	1,095.7	1,087.1	2.5	2.8	0.62	4.1	113.0	34.0	30.2	3.78	8.991		
1,200.0	1,192.5	1,195.7	1,184.8	2.8	3.2	0.68	4.8	133.8	36.6	32.5	4.13	8.858		
1,300.0	1,290.8	1,295.7	1,282.6	3.2	3.5	0.74	5.6	154.6	39.2	34.7	4.48	8.747		
1,400.0	1,389.1	1,395.6	1,380.4	3.5	3.9	0.79	6.3	175.4	41.8	37.0	4.83	8.651		
1,500.0	1,487.4	1,495.6	1,478.2	3.9	4.3	0.83	7.1	196.1	44.4	39.2	5.18	8.569		
1,600.0	1,585.7	1,595.6	1,576.0	4.2	4.8	0.87	7.8	216.9	47.0	41.5	5.54	8.498		
1,700.0	1,684.1	1,695.5	1,673.7	4.6	5.2	0.91	8.6	237.7	49.7	43.8	5.89	8.435		
1,800.0	1,782.4	1,795.5	1,771.5	4.9	5.6	0.94	9.3	258.5	52.3	46.0	6.24	8.379		
1,900.0	1,880.7	1,895.5	1,869.3	5.3	6.0	0.97	10.1	279.3	54.9	48.3	6.59	8.329		
2,000.0	1,979.0	1,995.4	1,967.1	5.7	6.4	0.99	10.8	300.0	57.5	50.6	6.94	8.284		
2,100.0	2,077.4	2,095.4	2,064.9	6.0	6.8	1.02	11.5	320.8	60.1	52.8	7.29	8.244		
2,200.0	2,175.7	2,195.3	2,162.6	6.4	7.2	1.04	12.3	341.6	62.7	55.1	7.64	8.207		
2,300.0	2,274.0	2,295.3	2,260.4	6.8	7.6	1.06	13.0	362.4	65.3	57.3	7.99	8.174		
2,400.0	2,372.3	2,395.3	2,358.2	7.1	8.0	1.07	13.8	383.1	68.0	59.6	8.35	8.143		
2,500.0	2,470.7	2,495.2	2,456.0	7.5	8.4	1.09	14.5	403.9	70.6	61.9	8.70	8.115		
2,600.0	2,569.0	2,595.2	2,553.8	7.8	8.8	1.11	15.3	424.7	73.2	64.1	9.05	8.089		
2,700.0	2,667.3	2,695.2	2,651.5	8.2	9.2	1.12	16.0	445.5	75.8	66.4	9.40	8.065		
2,800.0	2,765.6	2,795.1	2,749.3	8.6	9.6	1.14	16.8	466.3	78.4	68.7	9.75	8.043		
2,900.0	2,864.0	2,895.1	2,847.1	8.9	10.0	1.15	17.5	487.0	81.0	70.9	10.10	8.022		
3,000.0	2,962.3	2,995.1	2,944.9	9.3	10.4	1.16	18.3	507.8	83.6	73.2	10.45	8.003		
3,100.0	3,060.6	3,095.0	3,042.7	9.7	10.9	1.17	19.0	528.6	86.3	75.5	10.80	7.985		
3,200.0	3,158.9	3,195.0	3,140.4	10.0	11.3	1.18	19.8	549.4	88.9	77.7	11.15	7.968		
3,300.0	3,257.2	3,295.0	3,238.2	10.4	11.7	1.19	20.5	570.1	91.5	80.0	11.51	7.952		
3,400.0	3,355.6	3,394.9	3,336.0	10.8	12.1	1.20	21.3	590.9	94.1	82.2	11.86	7.937		
3,500.0	3,453.9	3,494.9	3,433.8	11.1	12.5	1.21	22.0	611.7	96.7	84.5	12.21	7.923		
3,600.0	3,552.2	3,594.9	3,531.6	11.5	12.9	1.22	22.7	632.5	99.3	86.8	12.56	7.909		
3,700.0	3,650.5	3,694.8	3,629.3	11.9	13.3	1.23	23.5	653.3	101.9	89.0	12.91	7.897		
3,800.0	3,748.9	3,794.8	3,727.1	12.2	13.7	1.23	24.2	674.0	104.6	91.3	13.26	7.885		
3,900.0	3,847.2	3,894.8	3,824.9	12.6	14.1	1.24	25.0	694.8	107.2	93.6	13.61	7.874		
4,000.0	3,945.5	3,994.7	3,922.7	13.0	14.5	1.25	25.7	715.6	109.8	95.8	13.96	7.863		
4,100.0	4,043.8	4,094.7	4,020.5	13.3	14.9	1.25	26.5	736.4	112.4	98.1	14.31	7.853		
4,200.0	4,142.2	4,194.7	4,118.2	13.7	15.3	1.26	27.2	757.2	115.0	100.4	14.66	7.843		
4,300.0	4,240.5	4,294.6	4,216.0	14.1	15.8	1.27	28.0	777.9	117.6	102.6	15.02	7.834		
4,400.0	4,338.8	4,394.6	4,313.8	14.4	16.2	1.27	28.7	798.7	120.2	104.9	15.37	7.825		
4,500.0	4,437.1	4,494.6	4,411.6	14.8	16.6	1.28	29.5	819.5	122.9	107.1	15.72	7.817		
4,600.0	4,535.5	4,594.5	4,509.4	15.2	17.0	1.28	30.2	840.3	125.5	109.4	16.07	7.808		
4,700.0	4,633.8	4,694.5	4,607.1	15.5	17.4	1.29	31.0	861.0	128.1	111.7	16.42	7.801		
4,800.0	4,732.1	4,794.5	4,704.9	15.9	17.8	1.29	31.7	881.8	130.7	113.9	16.77	7.793		
4,900.0	4,830.4	4,894.4	4,802.7	16.3	18.2	1.30	32.5	902.6	133.3	116.2	17.12	7.786		
5,000.0	4,928.7	4,994.4	4,900.5	16.6	18.6	1.30	33.2	923.4	135.9	118.5	17.47	7.779		
5,100.0	5,027.1	5,094.4	4,998.3	17.0	19.0	1.31	34.0	944.2	138.5	120.7	17.82	7.773		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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 Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,125.4	5,194.3	5,096.0	17.4	19.4	1.31	34.7	964.9	141.2	123.0	18.18	7.767		
5,300.0	5,223.7	5,294.3	5,193.8	17.7	19.8	1.31	35.4	985.7	143.8	125.3	18.53	7.761		
5,400.0	5,322.0	5,394.3	5,291.6	18.1	20.3	1.32	36.2	1,006.5	146.4	127.5	18.88	7.755		
5,500.0	5,420.4	5,494.2	5,389.4	18.5	20.7	1.32	36.9	1,027.3	149.0	129.8	19.23	7.749		
5,600.0	5,518.7	5,594.2	5,487.2	18.8	21.1	1.33	37.7	1,048.0	151.6	132.0	19.58	7.744		
5,700.0	5,617.0	5,694.2	5,584.9	19.2	21.5	1.33	38.4	1,068.8	154.2	134.3	19.93	7.739		
5,800.0	5,715.3	5,794.1	5,682.7	19.6	21.9	1.33	39.2	1,089.6	156.9	136.6	20.28	7.734		
5,900.0	5,813.7	5,894.1	5,780.5	19.9	22.3	1.34	39.9	1,110.4	159.5	138.8	20.63	7.729		
6,000.0	5,912.0	5,994.0	5,878.3	20.3	22.7	1.34	40.7	1,131.2	162.1	141.1	20.98	7.724		
6,100.0	6,010.3	6,094.0	5,976.1	20.7	23.1	1.34	41.4	1,151.9	164.7	143.4	21.34	7.719		
6,200.0	6,108.6	6,194.0	6,073.8	21.0	23.5	1.35	42.2	1,172.7	167.3	145.6	21.69	7.715		
6,300.0	6,206.9	6,293.9	6,171.6	21.4	23.9	1.35	42.9	1,193.5	169.9	147.9	22.04	7.711		
6,400.0	6,305.3	6,393.9	6,269.4	21.8	24.4	1.35	43.7	1,214.3	172.5	150.2	22.39	7.707		
6,500.0	6,403.6	6,493.9	6,367.2	22.1	24.8	1.35	44.4	1,235.0	175.2	152.4	22.74	7.703		
6,600.0	6,501.9	6,593.8	6,465.0	22.5	25.2	1.36	45.2	1,255.8	177.8	154.7	23.09	7.699		
6,700.0	6,600.2	6,693.8	6,562.7	22.9	25.6	1.36	45.9	1,276.6	180.4	156.9	23.44	7.695		
6,800.0	6,698.6	6,793.8	6,660.5	23.2	26.0	1.36	46.6	1,297.4	183.0	159.2	23.79	7.691		
6,900.0	6,796.8	6,893.6	6,758.2	23.6	26.4	-28.64	47.4	1,318.1	185.7	161.6	24.12	7.697		
7,000.0	6,893.7	6,992.0	6,854.4	24.0	26.8	-57.85	48.1	1,338.6	189.6	164.9	24.75	7.660		
7,100.0	6,987.5	7,093.8	6,953.8	24.3	27.2	-76.24	42.5	1,359.7	196.6	170.2	26.41	7.445		
7,200.0	7,076.3	7,199.8	7,055.2	24.7	27.6	-88.54	21.4	1,381.3	206.0	177.4	28.59	7.207		
7,300.0	7,158.3	7,309.9	7,156.3	25.0	28.1	-97.56	-16.5	1,402.7	217.1	186.4	30.66	7.081		
7,400.0	7,232.0	7,424.6	7,254.2	25.5	28.5	-104.41	-72.2	1,423.5	228.9	196.7	32.24	7.100		
7,500.0	7,296.0	7,543.7	7,345.3	25.9	29.0	-109.66	-146.2	1,442.9	240.5	207.4	33.18	7.250		
7,600.0	7,348.9	7,667.2	7,425.7	26.5	29.6	-113.60	-238.1	1,460.0	251.0	217.5	33.51	7.492		
7,700.0	7,389.9	7,794.4	7,491.3	27.1	30.2	-116.41	-346.1	1,473.9	259.6	226.3	33.38	7.779		
7,800.0	7,418.0	7,924.7	7,537.9	27.7	31.0	-118.21	-467.2	1,483.8	265.7	232.7	33.00	8.052		
7,900.0	7,432.7	8,056.9	7,562.5	28.5	31.8	-119.07	-596.7	1,489.1	268.7	236.1	32.58	8.247		
8,000.0	7,435.0	8,174.5	7,566.0	29.3	32.7	-119.15	-714.2	1,489.8	269.0	235.6	33.39	8.056		
8,100.0	7,435.0	8,274.5	7,566.0	30.2	33.5	-119.15	-814.2	1,489.8	269.0	233.2	35.79	7.515		
8,200.0	7,435.0	8,374.5	7,566.0	31.1	34.3	-119.15	-914.2	1,489.8	269.0	230.7	38.29	7.025		
8,300.0	7,435.0	8,474.5	7,566.0	32.2	35.3	-119.15	-1,014.2	1,489.8	269.0	228.1	40.86	6.582		
8,400.0	7,435.0	8,574.5	7,566.0	33.2	36.2	-119.15	-1,114.2	1,489.8	269.0	225.5	43.50	6.183		
8,500.0	7,435.0	8,674.5	7,566.0	34.4	37.3	-119.15	-1,214.2	1,489.8	269.0	222.8	46.20	5.822		
8,600.0	7,435.0	8,774.5	7,566.0	35.6	38.4	-119.15	-1,314.2	1,489.8	269.0	220.0	48.93	5.497		
8,700.0	7,435.0	8,874.5	7,566.0	36.8	39.5	-119.15	-1,414.2	1,489.8	269.0	217.3	51.71	5.202		
8,800.0	7,435.0	8,974.5	7,566.0	38.1	40.7	-119.15	-1,514.2	1,489.8	269.0	214.5	54.52	4.934		
8,900.0	7,435.0	9,074.5	7,566.0	39.4	41.9	-119.15	-1,614.2	1,489.8	269.0	211.6	57.35	4.690		
9,000.0	7,435.0	9,174.5	7,566.0	40.7	43.2	-119.15	-1,714.2	1,489.8	269.0	208.8	60.21	4.468		
9,100.0	7,435.0	9,274.5	7,566.0	42.1	44.5	-119.15	-1,814.2	1,489.8	269.0	205.9	63.08	4.264		
9,200.0	7,435.0	9,374.5	7,566.0	43.5	45.8	-119.15	-1,914.2	1,489.8	269.0	203.0	65.98	4.077		
9,300.0	7,435.0	9,474.5	7,566.0	44.9	47.2	-119.15	-2,014.2	1,489.8	269.0	200.1	68.89	3.905		
9,400.0	7,435.0	9,574.5	7,566.0	46.4	48.6	-119.15	-2,114.2	1,489.8	269.0	197.2	71.81	3.746		
9,500.0	7,435.0	9,674.5	7,566.0	47.9	50.0	-119.15	-2,214.2	1,489.8	269.0	194.2	74.74	3.599		
9,600.0	7,435.0	9,774.5	7,566.0	49.4	51.4	-119.15	-2,314.2	1,489.8	269.0	191.3	77.69	3.462		
9,700.0	7,435.0	9,874.5	7,566.0	50.9	52.9	-119.15	-2,414.2	1,489.8	269.0	188.3	80.64	3.335		
9,800.0	7,435.0	9,974.5	7,566.0	52.4	54.3	-119.15	-2,514.2	1,489.8	269.0	185.4	83.61	3.217		
9,900.0	7,435.0	10,074.5	7,566.0	53.9	55.8	-119.15	-2,614.2	1,489.8	269.0	182.4	86.58	3.107		
10,000.0	7,435.0	10,174.5	7,566.0	55.5	57.3	-119.15	-2,714.2	1,489.8	269.0	179.4	89.55	3.004		
10,100.0	7,435.0	10,274.5	7,566.0	57.0	58.8	-119.15	-2,814.2	1,489.8	269.0	176.4	92.53	2.907		
10,200.0	7,435.0	10,374.5	7,566.0	58.6	60.4	-119.15	-2,914.2	1,489.8	269.0	173.5	95.52	2.816		
10,300.0	7,435.0	10,474.5	7,566.0	60.2	61.9	-119.15	-3,014.2	1,489.8	269.0	170.5	98.52	2.730		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1K-19H-B2681 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,435.0	10,574.5	7,566.0	61.8	63.4	-119.15	-3,114.2	1,489.8	269.0	167.5	101.51	2.650		
10,500.0	7,435.0	10,674.5	7,566.0	63.4	65.0	-119.15	-3,214.2	1,489.8	269.0	164.5	104.52	2.574		
10,600.0	7,435.0	10,774.5	7,566.0	65.0	66.6	-119.15	-3,314.2	1,489.8	269.0	161.5	107.52	2.502		
10,700.0	7,435.0	10,874.5	7,566.0	66.6	68.2	-119.15	-3,414.2	1,489.8	269.0	158.4	110.53	2.433		
10,800.0	7,435.0	10,974.5	7,566.0	68.2	69.7	-119.15	-3,514.2	1,489.8	269.0	155.4	113.54	2.369		
10,900.0	7,435.0	11,074.5	7,566.0	69.9	71.3	-119.15	-3,614.2	1,489.8	269.0	152.4	116.56	2.308		
11,000.0	7,435.0	11,174.5	7,566.0	71.5	72.9	-119.15	-3,714.2	1,489.8	269.0	149.4	119.58	2.249		
11,100.0	7,435.0	11,274.5	7,566.0	73.1	74.5	-119.15	-3,814.2	1,489.8	269.0	146.4	122.60	2.194		
11,200.0	7,435.0	11,374.5	7,566.0	74.8	76.2	-119.15	-3,914.2	1,489.8	269.0	143.4	125.62	2.141		
11,300.0	7,435.0	11,474.5	7,566.0	76.4	77.8	-119.15	-4,014.2	1,489.8	269.0	140.3	128.65	2.091		
11,400.0	7,435.0	11,574.5	7,566.0	78.1	79.4	-119.15	-4,114.2	1,489.8	269.0	137.3	131.68	2.043		
11,500.0	7,435.0	11,674.5	7,566.0	79.8	81.0	-119.15	-4,214.2	1,489.8	269.0	134.3	134.71	1.997		
11,600.0	7,435.0	11,774.5	7,566.0	81.4	82.7	-119.15	-4,314.2	1,489.8	269.0	131.2	137.74	1.953		
11,700.0	7,435.0	11,874.5	7,566.0	83.1	84.3	-119.15	-4,414.2	1,489.8	269.0	128.2	140.77	1.911		
11,800.0	7,435.0	11,974.5	7,566.0	84.8	86.0	-119.15	-4,514.2	1,489.8	269.0	125.2	143.80	1.870		
11,900.0	7,435.0	12,074.5	7,566.0	86.4	87.6	-119.15	-4,614.2	1,489.8	269.0	122.1	146.84	1.832		
12,000.0	7,435.0	12,174.5	7,566.0	88.1	89.3	-119.15	-4,714.2	1,489.8	269.0	119.1	149.88	1.795		
12,031.5	7,435.0	12,206.1	7,566.0	88.6	89.8	-119.15	-4,745.8	1,489.8	269.0	118.1	150.84	1.783		
12,057.8	7,435.0	12,228.3	7,566.0	89.1	90.2	-119.15	-4,768.0	1,489.8	269.0	117.4	151.57	1.775 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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			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	0.7	19.9	19.9					
100.0	100.0	100.0	100.0	0.2	0.2	87.90	0.7	19.9	19.9	19.6	0.30	65.416		
200.0	200.0	200.0	200.0	0.3	0.3	87.90	0.7	19.9	19.9	19.2	0.65	30.434 CC, ES		
300.0	300.0	299.3	299.3	0.5	0.5	87.89	0.8	21.6	21.6	20.6	1.00	21.508		
400.0	400.0	398.3	398.1	0.7	0.7	87.86	1.0	26.7	26.8	25.4	1.37	19.529		
500.0	500.0	497.0	496.5	0.9	0.9	0.10	1.3	35.2	33.7	32.0	1.69	19.878		
600.0	599.8	595.5	594.3	1.0	1.2	0.08	1.8	47.1	40.5	38.5	2.04	19.867		
700.0	699.5	693.8	691.3	1.3	1.5	0.08	2.4	62.3	47.3	44.9	2.38	19.847		
800.0	798.7	791.8	787.6	1.5	1.9	0.07	3.1	80.7	54.0	51.3	2.73	19.818		
900.0	897.5	889.6	883.0	1.8	2.3	0.07	3.9	102.4	60.7	57.6	3.07	19.782		
1,000.0	995.8	989.0	979.4	2.1	2.7	0.07	4.9	126.6	67.1	63.7	3.42	19.638		
1,100.0	1,094.1	1,088.8	1,076.2	2.5	3.2	0.07	5.8	151.0	73.5	69.7	3.77	19.494		
1,200.0	1,192.5	1,188.6	1,172.9	2.8	3.6	0.07	6.8	175.4	79.9	75.7	4.12	19.376		
1,300.0	1,290.8	1,288.4	1,269.7	3.2	4.1	0.07	7.7	199.8	86.2	81.8	4.47	19.277		
1,400.0	1,389.1	1,388.2	1,366.5	3.5	4.6	0.07	8.7	224.2	92.6	87.8	4.82	19.194		
1,500.0	1,487.4	1,488.0	1,463.2	3.9	5.0	0.07	9.7	248.6	99.0	93.8	5.18	19.122		
1,600.0	1,585.7	1,587.8	1,560.0	4.2	5.5	0.07	10.6	273.0	105.3	99.8	5.53	19.059		
1,700.0	1,684.1	1,687.6	1,656.8	4.6	6.0	0.07	11.6	297.4	111.7	105.8	5.88	19.004		
1,800.0	1,782.4	1,787.4	1,753.5	4.9	6.4	0.07	12.5	321.8	118.1	111.8	6.23	18.956		
1,900.0	1,880.7	1,887.2	1,850.3	5.3	6.9	0.07	13.5	346.2	124.4	117.9	6.58	18.913		
2,000.0	1,979.0	1,987.0	1,947.0	5.7	7.4	0.07	14.4	370.5	130.8	123.9	6.93	18.874		
2,100.0	2,077.4	2,086.8	2,043.8	6.0	7.8	0.07	15.4	394.9	137.2	129.9	7.28	18.839		
2,200.0	2,175.7	2,186.6	2,140.6	6.4	8.3	0.07	16.3	419.3	143.5	135.9	7.63	18.807		
2,300.0	2,274.0	2,286.4	2,237.3	6.8	8.8	0.07	17.3	443.7	149.9	141.9	7.98	18.779		
2,400.0	2,372.3	2,386.2	2,334.1	7.1	9.2	0.07	18.2	468.1	156.3	147.9	8.33	18.753		
2,500.0	2,470.7	2,486.0	2,430.9	7.5	9.7	0.07	19.2	492.5	162.6	154.0	8.68	18.728		
2,600.0	2,569.0	2,585.8	2,527.6	7.8	10.2	0.07	20.1	516.9	169.0	160.0	9.03	18.706		
2,700.0	2,667.3	2,685.6	2,624.4	8.2	10.6	0.07	21.1	541.3	175.4	166.0	9.39	18.686		
2,800.0	2,765.6	2,785.4	2,721.2	8.6	11.1	0.07	22.0	565.7	181.7	172.0	9.74	18.667		
2,900.0	2,864.0	2,885.2	2,817.9	8.9	11.6	0.07	23.0	590.1	188.1	178.0	10.09	18.649		
3,000.0	2,962.3	2,985.0	2,914.7	9.3	12.1	0.07	23.9	614.5	194.5	184.0	10.44	18.633		
3,100.0	3,060.6	3,084.8	3,011.5	9.7	12.5	0.07	24.9	638.8	200.9	190.1	10.79	18.617		
3,200.0	3,158.9	3,184.6	3,108.2	10.0	13.0	0.07	25.8	663.2	207.2	196.1	11.14	18.603		
3,300.0	3,257.2	3,284.4	3,205.0	10.4	13.5	0.07	26.8	687.6	213.6	202.1	11.49	18.590		
3,400.0	3,355.6	3,384.2	3,301.8	10.8	13.9	0.07	27.7	712.0	220.0	208.1	11.84	18.577		
3,500.0	3,453.9	3,484.0	3,398.5	11.1	14.4	0.07	28.7	736.4	226.3	214.1	12.19	18.565		
3,600.0	3,552.2	3,583.8	3,495.3	11.5	14.9	0.07	29.6	760.8	232.7	220.1	12.54	18.554		
3,700.0	3,650.5	3,683.6	3,592.1	11.9	15.4	0.07	30.6	785.2	239.1	226.2	12.89	18.543		
3,800.0	3,748.9	3,783.4	3,688.8	12.2	15.8	0.07	31.5	809.6	245.4	232.2	13.24	18.533		
3,900.0	3,847.2	3,883.2	3,785.6	12.6	16.3	0.07	32.5	834.0	251.8	238.2	13.59	18.524		
4,000.0	3,945.5	3,982.9	3,882.4	13.0	16.8	0.07	33.4	858.4	258.2	244.2	13.94	18.515		
4,100.0	4,043.8	4,082.7	3,979.1	13.3	17.2	0.07	34.4	882.8	264.5	250.2	14.29	18.506		
4,200.0	4,142.2	4,182.5	4,075.9	13.7	17.7	0.07	35.3	907.1	270.9	256.3	14.64	18.498		
4,300.0	4,240.5	4,282.3	4,172.7	14.1	18.2	0.07	36.3	931.5	277.3	262.3	15.00	18.490		
4,400.0	4,338.8	4,382.1	4,269.4	14.4	18.7	0.07	37.2	955.9	283.6	268.3	15.35	18.483		
4,500.0	4,437.1	4,481.9	4,366.2	14.8	19.1	0.07	38.2	980.3	290.0	274.3	15.70	18.475		
4,600.0	4,535.5	4,581.7	4,463.0	15.2	19.6	0.07	39.1	1,004.7	296.4	280.3	16.05	18.469		
4,700.0	4,633.8	4,681.5	4,559.7	15.5	20.1	0.07	40.1	1,029.1	302.7	286.3	16.40	18.462		
4,800.0	4,732.1	4,781.3	4,656.5	15.9	20.5	0.07	41.1	1,053.5	309.1	292.4	16.75	18.456		
4,900.0	4,830.4	4,881.1	4,753.3	16.3	21.0	0.07	42.0	1,077.9	315.5	298.4	17.10	18.450		
5,000.0	4,928.7	4,980.9	4,850.0	16.6	21.5	0.07	43.0	1,102.3	321.8	304.4	17.45	18.444		
5,100.0	5,027.1	5,080.7	4,946.8	17.0	22.0	0.07	43.9	1,126.7	328.2	310.4	17.80	18.439		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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		Highside Toolface (°)	Distance		Between Centres (ft)	Between Ellipses (ft)	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)						
5,200.0	5,125.4	5,180.5	5,043.6	17.4	22.4	0.07	44.9	1,151.1	334.6	316.4	18.15	18.434		
5,300.0	5,223.7	5,280.3	5,140.3	17.7	22.9	0.07	45.8	1,175.4	340.9	322.4	18.50	18.429		
5,400.0	5,322.0	5,380.1	5,237.1	18.1	23.4	0.07	46.8	1,199.8	347.3	328.5	18.85	18.424		
5,500.0	5,420.4	5,479.9	5,333.9	18.5	23.8	0.07	47.7	1,224.2	353.7	334.5	19.20	18.419		
5,600.0	5,518.7	5,579.7	5,430.6	18.8	24.3	0.07	48.7	1,248.6	360.1	340.5	19.55	18.414		
5,700.0	5,617.0	5,679.5	5,527.4	19.2	24.8	0.07	49.6	1,273.0	366.4	346.5	19.90	18.410		
5,800.0	5,715.3	5,779.3	5,624.2	19.6	25.3	0.07	50.6	1,297.4	372.8	352.5	20.25	18.406		
5,900.0	5,813.7	5,879.1	5,720.9	19.9	25.7	0.07	51.5	1,321.8	379.2	358.6	20.60	18.402		
6,000.0	5,912.0	5,978.9	5,817.7	20.3	26.2	0.07	52.5	1,346.2	385.5	364.6	20.95	18.398		
6,100.0	6,010.3	6,078.7	5,914.4	20.7	26.7	0.07	53.4	1,370.6	391.9	370.6	21.31	18.394		
6,200.0	6,108.6	6,178.5	6,011.2	21.0	27.1	0.07	54.4	1,395.0	398.3	376.6	21.66	18.390		
6,300.0	6,206.9	6,278.3	6,108.0	21.4	27.6	0.07	55.3	1,419.4	404.6	382.6	22.01	18.387		
6,400.0	6,305.3	6,378.1	6,204.7	21.8	28.1	0.07	56.3	1,443.7	411.0	388.6	22.36	18.383		
6,500.0	6,403.6	6,477.9	6,301.5	22.1	28.6	0.07	57.2	1,468.1	417.4	394.7	22.71	18.380		
6,600.0	6,501.9	6,577.7	6,398.3	22.5	29.0	0.07	58.2	1,492.5	423.7	400.7	23.06	18.377		
6,700.0	6,600.2	6,677.5	6,495.0	22.9	29.5	0.07	59.1	1,516.9	430.1	406.7	23.41	18.374		
6,800.0	6,698.6	6,777.3	6,591.8	23.2	30.0	0.07	60.1	1,541.3	436.5	412.7	23.76	18.371		
6,900.0	6,796.8	6,878.3	6,689.8	23.6	30.4	-28.84	59.1	1,566.0	442.9	418.8	24.11	18.369		
7,000.0	6,893.7	6,980.9	6,788.2	24.0	30.9	-53.15	45.3	1,590.8	449.3	424.8	24.47	18.360		
7,100.0	6,987.5	7,083.9	6,884.1	24.3	31.4	-64.68	17.0	1,615.0	455.5	430.6	24.86	18.319		
7,200.0	7,076.3	7,187.2	6,975.5	24.7	31.8	-70.70	-25.4	1,638.0	461.3	436.0	25.33	18.214		
7,300.0	7,158.3	7,290.9	7,060.2	25.0	32.3	-74.15	-81.1	1,659.4	466.7	440.8	25.93	17.997		
7,400.0	7,232.0	7,394.8	7,136.3	25.5	32.7	-76.25	-148.9	1,678.6	471.5	444.8	26.74	17.633		
7,500.0	7,296.0	7,498.9	7,202.3	25.9	33.2	-77.54	-227.6	1,695.2	475.7	447.9	27.82	17.102		
7,600.0	7,348.9	7,603.0	7,256.6	26.5	33.7	-78.32	-315.3	1,708.9	479.1	449.9	29.20	16.406		
7,700.0	7,389.9	7,707.1	7,297.9	27.1	34.3	-78.73	-410.1	1,719.3	481.7	450.8	30.93	15.576		
7,800.0	7,418.0	7,811.1	7,325.5	27.7	34.9	-78.87	-510.1	1,726.2	483.5	450.5	32.98	14.662		
7,900.0	7,432.7	7,914.8	7,338.8	28.5	35.5	-78.80	-612.8	1,729.6	484.3	449.0	35.31	13.717		
8,000.0	7,435.0	8,016.3	7,340.0	29.3	36.2	-78.69	-714.2	1,729.9	484.4	446.6	37.83	12.807		
8,100.0	7,435.0	8,116.3	7,340.0	30.2	36.9	-78.69	-814.2	1,729.9	484.4	444.0	40.44	11.979		
8,200.0	7,435.0	8,216.3	7,340.0	31.1	37.6	-78.69	-914.2	1,729.9	484.4	441.3	43.17	11.222		
8,300.0	7,435.0	8,316.3	7,340.0	32.2	38.5	-78.69	-1,014.2	1,729.9	484.4	438.4	46.00	10.532		
8,400.0	7,435.0	8,416.3	7,340.0	33.2	39.4	-78.69	-1,114.2	1,729.9	484.4	435.5	48.90	9.907		
8,500.0	7,435.0	8,516.3	7,340.0	34.4	40.3	-78.69	-1,214.2	1,729.9	484.4	432.6	51.87	9.339		
8,600.0	7,435.0	8,616.3	7,340.0	35.6	41.3	-78.69	-1,314.2	1,729.9	484.4	429.5	54.89	8.825		
8,700.0	7,435.0	8,716.3	7,340.0	36.8	42.4	-78.69	-1,414.2	1,729.9	484.4	426.5	57.97	8.357		
8,800.0	7,435.0	8,816.3	7,340.0	38.1	43.5	-78.69	-1,514.2	1,729.9	484.4	423.4	61.08	7.931		
8,900.0	7,435.0	8,916.3	7,340.0	39.4	44.6	-78.69	-1,614.2	1,729.9	484.4	420.2	64.22	7.543		
9,000.0	7,435.0	9,016.3	7,340.0	40.7	45.8	-78.69	-1,714.2	1,729.9	484.4	417.0	67.40	7.188		
9,100.0	7,435.0	9,116.3	7,340.0	42.1	47.1	-78.69	-1,814.2	1,729.9	484.4	413.8	70.59	6.862		
9,200.0	7,435.0	9,216.3	7,340.0	43.5	48.3	-78.69	-1,914.2	1,729.9	484.4	410.6	73.81	6.563		
9,300.0	7,435.0	9,316.3	7,340.0	44.9	49.6	-78.69	-2,014.2	1,729.9	484.4	407.4	77.05	6.287		
9,400.0	7,435.0	9,416.3	7,340.0	46.4	50.9	-78.69	-2,114.2	1,729.9	484.4	404.1	80.31	6.032		
9,500.0	7,435.0	9,516.3	7,340.0	47.9	52.2	-78.69	-2,214.2	1,729.9	484.4	400.9	83.58	5.796		
9,600.0	7,435.0	9,616.3	7,340.0	49.4	53.6	-78.69	-2,314.2	1,729.9	484.4	397.6	86.87	5.577		
9,700.0	7,435.0	9,716.3	7,340.0	50.9	55.0	-78.69	-2,414.2	1,729.9	484.4	394.3	90.16	5.373		
9,800.0	7,435.0	9,816.3	7,340.0	52.4	56.4	-78.69	-2,514.2	1,729.9	484.4	391.0	93.47	5.183		
9,900.0	7,435.0	9,916.3	7,340.0	53.9	57.8	-78.69	-2,614.2	1,729.9	484.4	387.6	96.78	5.005		
10,000.0	7,435.0	10,016.3	7,340.0	55.5	59.3	-78.69	-2,714.2	1,729.9	484.4	384.3	100.11	4.839		
10,100.0	7,435.0	10,116.3	7,340.0	57.0	60.7	-78.69	-2,814.2	1,729.9	484.4	381.0	103.44	4.683		
10,200.0	7,435.0	10,216.3	7,340.0	58.6	62.2	-78.69	-2,914.2	1,729.9	484.4	377.7	106.78	4.537		
10,300.0	7,435.0	10,316.3	7,340.0	60.2	63.7	-78.69	-3,014.2	1,729.9	484.4	374.3	110.12	4.399		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S19-T2N-R68W (Rasmussen/Regnier) - Regnier 1L-19H-B268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,400.0	7,435.0	10,416.3	7,340.0	61.8	65.2	-78.69	-3,114.2	1,729.9	484.4	371.0	113.47	4.269		
10,500.0	7,435.0	10,516.3	7,340.0	63.4	66.7	-78.69	-3,214.2	1,729.9	484.4	367.6	116.83	4.147		
10,600.0	7,435.0	10,616.3	7,340.0	65.0	68.2	-78.69	-3,314.2	1,729.9	484.4	364.2	120.19	4.031		
10,700.0	7,435.0	10,716.3	7,340.0	66.6	69.8	-78.69	-3,414.2	1,729.9	484.4	360.9	123.55	3.921		
10,800.0	7,435.0	10,816.3	7,340.0	68.2	71.3	-78.69	-3,514.2	1,729.9	484.4	357.5	126.92	3.817		
10,900.0	7,435.0	10,916.3	7,340.0	69.9	72.9	-78.69	-3,614.2	1,729.9	484.4	354.1	130.30	3.718		
11,000.0	7,435.0	11,016.3	7,340.0	71.5	74.5	-78.69	-3,714.2	1,729.9	484.4	350.8	133.67	3.624		
11,100.0	7,435.0	11,117.1	7,340.0	73.1	76.0	-78.69	-3,815.0	1,729.9	484.4	347.4	137.07	3.534		
11,200.0	7,435.0	11,224.1	7,340.0	74.8	77.7	-78.66	-3,922.0	1,728.8	483.4	342.8	140.56	3.439		
11,300.0	7,435.0	11,324.1	7,340.0	76.4	79.3	-78.63	-4,022.0	1,727.1	481.8	337.8	143.92	3.347		
11,400.0	7,435.0	11,424.1	7,340.0	78.1	80.9	-78.59	-4,122.0	1,725.5	480.2	332.9	147.29	3.260		
11,500.0	7,435.0	11,524.0	7,340.0	79.8	82.5	-78.55	-4,222.0	1,723.8	478.5	327.9	150.66	3.176		
11,600.0	7,435.0	11,624.0	7,340.0	81.4	84.1	-78.51	-4,321.9	1,722.2	476.9	322.9	154.03	3.096		
11,700.0	7,435.0	11,724.0	7,340.0	83.1	85.7	-78.47	-4,421.9	1,720.5	475.3	317.9	157.41	3.020		
11,800.0	7,435.0	11,824.0	7,340.0	84.8	87.3	-78.43	-4,521.9	1,718.9	473.7	312.9	160.78	2.946		
11,900.0	7,435.0	11,924.0	7,340.0	86.4	88.9	-78.39	-4,621.8	1,717.3	472.1	308.0	164.15	2.876		
12,000.0	7,435.0	12,024.0	7,340.0	88.1	90.6	-78.35	-4,721.8	1,715.6	470.5	303.0	167.53	2.808		
12,049.4	7,435.0	12,065.8	7,340.0	88.9	91.2	-78.33	-4,763.6	1,714.9	469.8	300.7	169.07	2.779		
12,057.8	7,435.0	12,065.8	7,340.0	89.1	91.2	-78.33	-4,763.6	1,714.9	469.8	300.6	169.21	2.777 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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 Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,800.0	7,435.0	7,450.6	7,448.0	68.2	13.2	90.17	-4,222.9	577.7	980.2	902.7	77.56	12.638		
10,900.0	7,435.0	7,449.8	7,447.3	69.9	13.2	90.11	-4,222.9	577.7	910.6	831.3	79.28	11.485		
11,000.0	7,435.0	7,449.1	7,446.6	71.5	13.2	90.05	-4,222.9	577.7	847.0	766.0	81.00	10.456		
11,100.0	7,435.0	7,448.4	7,445.8	73.1	13.2	89.99	-4,223.0	577.7	791.0	708.3	82.73	9.561		
11,200.0	7,435.0	7,447.6	7,445.1	74.8	13.2	89.92	-4,223.0	577.7	744.2	659.8	84.45	8.813		
11,300.0	7,435.0	7,446.8	7,444.3	76.4	13.2	89.86	-4,223.0	577.7	708.6	622.5	86.18	8.223		
11,400.0	7,435.0	7,446.1	7,443.5	78.1	13.2	89.79	-4,223.0	577.7	685.9	598.0	87.90	7.803		
11,500.0	7,435.0	7,445.3	7,442.7	79.8	13.2	89.72	-4,223.0	577.7	677.3	587.6	89.63	7.556		
11,508.7	7,435.0	7,445.2	7,442.7	79.9	13.2	89.72	-4,223.0	577.7	677.2	587.4	89.78	7.543 CC, ES		
11,600.0	7,435.0	7,444.5	7,441.9	81.4	13.2	89.66	-4,223.0	577.7	683.3	592.0	91.36	7.479 SF		
11,700.0	7,435.0	7,443.6	7,441.1	83.1	13.2	89.59	-4,223.0	577.7	703.7	610.6	93.09	7.559		
11,800.0	7,435.0	7,442.8	7,440.3	84.8	13.2	89.52	-4,223.0	577.7	737.2	642.4	94.82	7.774		
11,900.0	7,435.0	7,442.0	7,439.4	86.4	13.2	89.44	-4,223.0	577.7	782.1	685.5	96.55	8.100		
12,000.0	7,435.0	7,441.1	7,438.6	88.1	13.2	89.37	-4,223.0	577.7	836.6	738.3	98.28	8.512		
12,057.8	7,435.0	7,440.6	7,438.1	89.1	13.2	89.33	-4,223.0	577.7	871.8	772.5	99.28	8.781		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-149.50	-709.2	-417.8	823.2					
100.0	100.0	89.2	89.2	0.2	0.2	-149.53	-709.7	-417.5	823.4	823.1	0.31	2,674.345 ES		
200.0	200.0	187.0	187.0	0.3	0.3	-149.60	-710.8	-417.1	824.1	823.5	0.65	1,261.029		
300.0	300.0	287.1	287.1	0.5	0.5	-149.65	-712.0	-416.8	825.0	824.0	1.00	822.145		
400.0	400.0	390.9	390.9	0.7	0.7	-149.69	-712.7	-416.7	825.6	824.3	1.36	607.426		
500.0	500.0	491.1	491.1	0.9	0.9	122.64	-713.1	-416.9	826.9	825.2	1.71	483.643		
600.0	599.8	593.0	593.0	1.0	1.0	122.90	-713.3	-417.0	830.0	827.9	2.07	400.761		
700.0	699.5	688.9	688.9	1.3	1.2	123.33	-713.3	-417.5	835.1	832.6	2.44	342.509		
800.0	798.7	788.3	788.3	1.5	1.4	123.94	-713.4	-418.4	842.4	839.6	2.84	297.079		
900.0	897.5	886.5	886.4	1.8	1.5	124.71	-713.3	-419.5	851.9	848.6	3.26	261.173		
1,000.0	995.8	982.4	982.3	2.1	1.7	125.71	-713.1	-421.0	863.1	859.4	3.70	233.200		
1,100.0	1,094.1	1,079.3	1,079.2	2.5	1.9	126.77	-712.9	-422.9	875.0	870.8	4.15	210.931		
1,200.0	1,192.5	1,175.6	1,175.5	2.8	2.1	127.82	-712.6	-425.2	887.3	882.7	4.60	193.070		
1,300.0	1,290.8	1,274.4	1,274.3	3.2	2.2	128.89	-712.2	-427.9	900.0	894.9	5.05	178.340		
1,400.0	1,389.1	1,371.5	1,371.3	3.5	2.4	129.92	-711.5	-430.6	912.8	907.4	5.49	166.216		
1,500.0	1,487.4	1,473.8	1,473.6	3.9	2.6	130.99	-710.7	-433.6	926.0	920.0	5.94	155.811		
1,600.0	1,585.7	1,564.8	1,564.6	4.2	2.8	131.92	-709.7	-436.2	939.2	932.8	6.37	147.377		
1,700.0	1,684.1	1,653.0	1,652.7	4.6	2.9	132.82	-709.4	-439.5	953.8	947.0	6.79	140.369		
1,800.0	1,782.4	1,746.4	1,746.0	4.9	3.1	133.75	-709.3	-443.8	969.4	962.2	7.22	134.248		
1,900.0	1,880.7	1,840.0	1,839.5	5.3	3.3	134.68	-709.2	-448.4	985.5	977.8	7.64	128.938 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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 +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
8,200.0	7,435.0	7,414.6	7,412.3	31.1	13.2	89.67	-1,779.8	959.5	914.6	880.0	34.64	26.400		
8,300.0	7,435.0	7,414.7	7,412.3	32.2	13.2	89.68	-1,779.8	959.5	820.6	784.5	36.10	22.733		
8,400.0	7,435.0	7,414.7	7,412.4	33.2	13.2	89.69	-1,779.8	959.5	728.2	690.6	37.59	19.371		
8,500.0	7,435.0	7,414.8	7,412.5	34.4	13.2	89.70	-1,779.8	959.5	638.1	599.0	39.12	16.312		
8,600.0	7,435.0	7,414.8	7,412.5	35.6	13.2	89.72	-1,779.8	959.5	551.4	510.7	40.67	13.558		
8,700.0	7,435.0	7,414.9	7,412.6	36.8	13.2	89.73	-1,779.8	959.5	470.0	427.8	42.25	11.126		
8,800.0	7,435.0	7,415.0	7,412.7	38.1	13.2	89.74	-1,779.8	959.5	397.3	353.4	43.84	9.061		
8,900.0	7,435.0	7,415.0	7,412.7	39.4	13.2	89.75	-1,779.8	959.5	338.7	293.2	45.45	7.451		
9,000.0	7,435.0	7,415.1	7,412.8	40.7	13.2	89.77	-1,779.8	959.5	302.6	255.5	47.08	6.428		
9,065.6	7,435.0	7,415.1	7,412.8	41.6	13.2	89.77	-1,779.8	959.5	295.4	247.3	48.15	6.135 CC, ES		
9,100.0	7,435.0	7,415.2	7,412.9	42.1	13.2	89.78	-1,779.8	959.5	297.4	248.7	48.71	6.105 SF		
9,200.0	7,435.0	7,415.2	7,412.9	43.5	13.2	89.79	-1,779.8	959.5	324.6	274.2	50.36	6.444		
9,300.0	7,435.0	7,415.3	7,413.0	44.9	13.2	89.80	-1,779.8	959.5	377.1	325.1	52.02	7.249		
9,400.0	7,435.0	7,415.4	7,413.1	46.4	13.2	89.82	-1,779.8	959.5	446.2	392.5	53.69	8.311		
9,500.0	7,435.0	7,415.4	7,413.1	47.9	13.2	89.83	-1,779.8	959.5	525.3	470.0	55.36	9.490		
9,600.0	7,435.0	7,415.5	7,413.2	49.4	13.2	89.84	-1,779.8	959.5	610.6	553.6	57.04	10.706		
9,700.0	7,435.0	7,415.6	7,413.3	50.9	13.2	89.86	-1,779.8	959.5	699.8	641.1	58.72	11.917		
9,800.0	7,435.0	7,415.6	7,413.3	52.4	13.2	89.87	-1,779.8	959.5	791.6	731.2	60.41	13.103		
9,900.0	7,435.0	7,415.7	7,413.4	53.9	13.2	89.88	-1,779.8	959.5	885.2	823.0	62.11	14.252		
10,000.0	7,435.0	7,415.8	7,413.5	55.5	13.2	89.90	-1,779.8	959.5	980.0	916.2	63.80	15.359		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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		
9,600.0	7,435.0	7,675.8	7,431.5	49.4	28.9	91.24	-3,267.7	1,094.5	966.9	908.9	57.95	16.684		
9,700.0	7,435.0	7,675.5	7,431.2	50.9	28.9	91.14	-3,267.7	1,094.5	868.4	808.8	59.63	14.563		
9,800.0	7,435.0	7,675.2	7,430.9	52.4	28.9	91.03	-3,267.7	1,094.5	770.3	709.0	61.32	12.563		
9,900.0	7,435.0	7,674.9	7,430.6	53.9	28.9	90.93	-3,267.7	1,094.5	672.9	609.8	63.01	10.679		
10,000.0	7,435.0	7,674.6	7,430.3	55.5	28.9	90.82	-3,267.7	1,094.5	576.2	511.5	64.70	8.906		
10,100.0	7,435.0	7,674.3	7,430.0	57.0	28.9	90.72	-3,267.7	1,094.5	481.0	414.6	66.40	7.243		
10,200.0	7,435.0	7,674.0	7,429.7	58.6	28.9	90.62	-3,267.7	1,094.5	388.1	320.0	68.10	5.699		
10,300.0	7,435.0	7,673.7	7,429.4	60.2	28.9	90.51	-3,267.7	1,094.5	299.9	230.1	69.81	4.296		
10,400.0	7,435.0	7,673.4	7,429.2	61.8	28.9	90.41	-3,267.7	1,094.5	222.0	150.4	71.52	3.104		
10,500.0	7,435.0	7,673.2	7,428.9	63.4	28.9	90.31	-3,267.7	1,094.5	169.0	95.8	73.23	2.308		
10,553.5	7,435.0	7,673.0	7,428.7	64.3	28.9	90.25	-3,267.7	1,094.5	160.4	86.2	74.14	2.163 CC, ES, SF		
10,600.0	7,435.0	7,672.9	7,428.6	65.0	28.9	90.21	-3,267.7	1,094.5	167.0	92.0	74.94	2.228		
10,700.0	7,435.0	7,672.6	7,428.3	66.6	28.9	90.10	-3,267.7	1,094.5	217.2	140.6	76.65	2.834		
10,800.0	7,435.0	7,672.3	7,428.0	68.2	28.9	90.00	-3,267.7	1,094.5	294.1	215.7	78.37	3.753		
10,900.0	7,435.0	7,672.0	7,427.7	69.9	28.9	89.90	-3,267.7	1,094.5	381.8	301.8	80.09	4.768		
11,000.0	7,435.0	7,671.7	7,427.4	71.5	28.9	89.80	-3,267.7	1,094.5	474.5	392.6	81.81	5.800		
11,100.0	7,435.0	7,671.4	7,427.1	73.1	28.9	89.69	-3,267.7	1,094.5	569.6	486.0	83.53	6.819		
11,200.0	7,435.0	7,671.2	7,426.9	74.8	28.9	89.59	-3,267.7	1,094.5	666.1	580.9	85.25	7.814		
11,300.0	7,435.0	7,670.9	7,426.6	76.4	28.9	89.49	-3,267.7	1,094.5	763.6	676.6	86.97	8.780		
11,400.0	7,435.0	7,670.0	7,425.7	78.1	28.9	89.18	-3,267.7	1,094.5	861.6	772.9	88.68	9.715		
11,500.0	7,435.0	7,670.0	7,425.7	79.8	28.9	89.18	-3,267.7	1,094.5	960.0	869.6	90.41	10.618		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	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				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)				
2,600.0	2,569.0	2,561.6	2,561.3	7.8	4.5	71.50	-918.1	713.0	999.1	987.0	12.07	82.774		
2,700.0	2,667.3	2,662.2	2,661.8	8.2	4.7	72.67	-918.3	710.1	992.6	979.9	12.64	78.556		
2,800.0	2,765.6	2,765.4	2,764.9	8.6	4.9	73.86	-918.0	707.3	986.0	972.8	13.21	74.654		
2,900.0	2,864.0	2,866.5	2,866.0	8.9	5.1	75.05	-917.3	704.2	979.4	965.6	13.78	71.082		
3,000.0	2,962.3	2,964.8	2,964.2	9.3	5.2	76.25	-916.5	700.9	973.0	958.7	14.35	67.822		
3,100.0	3,060.6	3,065.1	3,064.5	9.7	5.4	77.51	-915.7	696.9	967.0	952.1	14.92	64.802		
3,200.0	3,158.9	3,166.0	3,165.2	10.0	5.6	78.82	-914.7	692.4	961.0	945.5	15.50	61.997		
3,300.0	3,257.2	3,267.9	3,267.0	10.4	5.8	80.19	-913.4	687.4	955.3	939.2	16.08	59.390		
3,400.0	3,355.6	3,373.2	3,372.1	10.8	6.0	81.61	-911.4	682.1	949.4	932.7	16.67	56.939		
3,500.0	3,453.9	3,471.9	3,470.8	11.1	6.2	82.95	-908.8	677.2	943.4	926.1	17.25	54.696		
3,600.0	3,552.2	3,568.8	3,567.5	11.5	6.4	84.29	-906.4	672.3	938.0	920.1	17.82	52.643		
3,700.0	3,650.5	3,659.2	3,657.7	11.9	6.6	85.57	-904.4	667.4	933.4	915.0	18.37	50.798		
3,800.0	3,748.9	3,759.9	3,758.2	12.2	6.8	87.04	-902.8	661.6	930.0	911.0	18.95	49.076		
3,900.0	3,847.2	3,865.4	3,863.6	12.6	7.0	88.56	-900.0	655.8	926.1	906.5	19.53	47.420		
4,000.0	3,945.5	3,962.5	3,960.5	13.0	7.1	89.96	-897.0	650.6	922.4	902.3	20.09	45.919		
4,100.0	4,043.8	4,059.1	4,056.9	13.3	7.3	91.35	-894.2	645.8	919.4	898.8	20.64	44.552		
4,200.0	4,142.2	4,162.3	4,160.0	13.7	7.5	92.79	-890.9	641.4	916.8	895.6	21.19	43.269		
4,300.0	4,240.5	4,264.4	4,261.9	14.1	7.7	94.14	-886.9	638.4	914.0	892.3	21.73	42.064		
4,400.0	4,338.8	4,359.8	4,357.2	14.4	7.9	95.37	-883.1	636.2	911.6	889.3	22.25	40.967		
4,500.0	4,437.1	4,454.0	4,451.3	14.8	8.1	96.59	-879.7	634.1	910.0	887.3	22.77	39.974		
4,600.0	4,535.5	4,547.9	4,545.2	15.2	8.2	97.80	-876.8	632.2	909.3	886.1	23.27	39.073		
4,625.4	4,560.4	4,571.5	4,568.7	15.3	8.3	98.09	-876.1	631.8	909.3	885.9	23.40	38.860		
4,700.0	4,633.8	4,642.1	4,639.3	15.5	8.4	98.96	-874.3	630.9	909.5	885.8	23.77	38.261		
4,800.0	4,732.1	4,739.0	4,736.2	15.9	8.6	100.14	-872.1	629.8	910.4	886.2	24.27	37.515		
4,900.0	4,830.4	4,836.4	4,833.6	16.3	8.7	101.32	-869.9	628.8	911.8	887.0	24.76	36.825		
5,000.0	4,928.7	4,931.3	4,928.4	16.6	8.9	102.46	-868.0	627.9	913.8	888.5	25.24	36.203		
5,100.0	5,027.1	5,026.9	5,024.0	17.0	9.1	103.59	-866.4	627.0	916.5	890.7	25.71	35.641		
5,200.0	5,125.4	5,123.0	5,120.1	17.4	9.2	104.72	-865.1	626.2	919.8	893.6	26.18	35.131		
5,300.0	5,223.7	5,218.6	5,215.7	17.7	9.4	105.83	-864.0	625.4	923.8	897.1	26.64	34.672		
5,400.0	5,322.0	5,314.2	5,311.2	18.1	9.6	106.93	-863.2	624.5	928.4	901.3	27.10	34.263		
5,500.0	5,420.4	5,412.8	5,409.8	18.5	9.8	108.06	-862.4	623.5	933.4	905.9	27.55	33.888		
5,600.0	5,518.7	5,506.7	5,503.8	18.8	9.9	109.11	-861.9	622.6	939.1	911.1	27.98	33.561		
5,700.0	5,617.0	5,603.3	5,600.4	19.2	10.1	110.18	-861.7	621.7	945.4	917.0	28.42	33.271		
5,800.0	5,715.3	5,703.8	5,700.9	19.6	10.3	111.26	-861.5	621.0	952.0	923.2	28.84	33.007		
5,900.0	5,813.7	5,803.1	5,800.2	19.9	10.4	112.29	-861.3	620.7	958.8	929.5	29.27	32.762		
6,000.0	5,912.0	5,901.0	5,898.1	20.3	10.6	113.29	-861.1	620.6	965.8	936.1	29.68	32.541		
6,100.0	6,010.3	6,003.4	6,000.5	20.7	10.8	114.30	-860.8	620.6	972.9	942.9	30.09	32.333		
6,200.0	6,108.6	6,100.0	6,097.1	21.0	10.9	115.26	-860.3	620.5	980.3	949.8	30.49	32.147		
6,300.0	6,206.9	6,205.0	6,202.1	21.4	11.1	116.30	-859.4	620.3	987.6	956.7	30.89	31.970		
6,400.0	6,305.3	6,309.2	6,306.3	21.8	11.3	117.31	-857.9	620.4	994.6	963.3	31.28	31.791		
7,200.0	7,076.3	7,078.7	7,075.7	24.7	12.6	57.59	-850.5	624.0	981.2	949.4	31.83	30.826		
7,300.0	7,158.3	7,157.6	7,154.5	25.0	12.7	58.27	-849.4	624.5	944.9	914.0	30.90	30.583		
7,400.0	7,232.0	7,226.1	7,223.1	25.5	12.9	61.29	-848.8	624.8	901.8	871.8	30.03	30.026		
7,500.0	7,296.0	7,284.6	7,281.6	25.9	13.0	65.98	-848.7	624.9	854.2	824.8	29.46	28.995		
7,600.0	7,348.9	7,335.0	7,332.0	26.5	13.0	71.88	-848.8	625.0	804.5	775.2	29.31	27.451		
7,700.0	7,389.9	7,374.6	7,371.6	27.1	13.1	78.12	-848.9	624.9	755.4	725.8	29.56	25.552		
7,800.0	7,418.0	7,400.0	7,397.0	27.7	13.2	83.58	-849.1	624.8	710.1	680.0	30.12	23.577		
7,900.0	7,432.7	7,415.5	7,412.5	28.5	13.2	87.91	-849.1	624.8	672.1	641.2	30.90	21.752		
8,000.0	7,435.0	7,418.1	7,415.0	29.3	13.2	89.55	-849.2	624.7	644.4	612.5	31.97	20.160		
8,100.0	7,435.0	7,418.6	7,415.6	30.2	13.2	89.60	-849.2	624.7	631.1	597.8	33.32	18.943		
8,134.9	7,435.0	7,418.8	7,415.7	30.5	13.2	89.61	-849.2	624.7	630.1	596.3	33.81	18.639 CC, ES		
8,200.0	7,435.0	7,419.1	7,416.1	31.1	13.2	89.64	-849.2	624.7	633.5	598.8	34.72	18.244		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S19-T2N-R68W (Rasmussen/Regnier) - REGNIER FARMS B UNIT 1 - ENCANA - GYRO												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 100-Geolink MWD												<b>Offset Well Error:</b>	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
8,300.0	7,435.0	7,419.6	7,416.6	32.2	13.2	89.69	-849.2	624.7	651.4	615.2	36.18	18.005 SF	
8,400.0	7,435.0	7,420.2	7,417.2	33.2	13.2	89.74	-849.2	624.7	683.6	646.0	37.67	18.146	
8,500.0	7,435.0	7,420.7	7,417.7	34.4	13.2	89.79	-849.2	624.7	728.3	689.1	39.20	18.577	
8,600.0	7,435.0	7,421.3	7,418.2	35.6	13.2	89.84	-849.2	624.7	783.2	742.4	40.76	19.217	
8,700.0	7,435.0	7,421.8	7,418.8	36.8	13.2	89.89	-849.2	624.7	846.4	804.1	42.33	19.994	
8,800.0	7,435.0	7,422.4	7,419.4	38.1	13.2	89.94	-849.2	624.7	916.2	872.3	43.93	20.857	
8,900.0	7,435.0	7,422.9	7,419.9	39.4	13.2	89.99	-849.2	624.7	991.2	945.6	45.54	21.765	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Regnier 1J-19H-B2682
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4978.0ft
<b>Reference Site:</b>	S19-T2N-R68W (Rasmussen/Regnier)	<b>MD Reference:</b>	13' KB @ 4978.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Regnier 1J-19H-B2682	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #3	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to 13' KB @ 4978.0ft

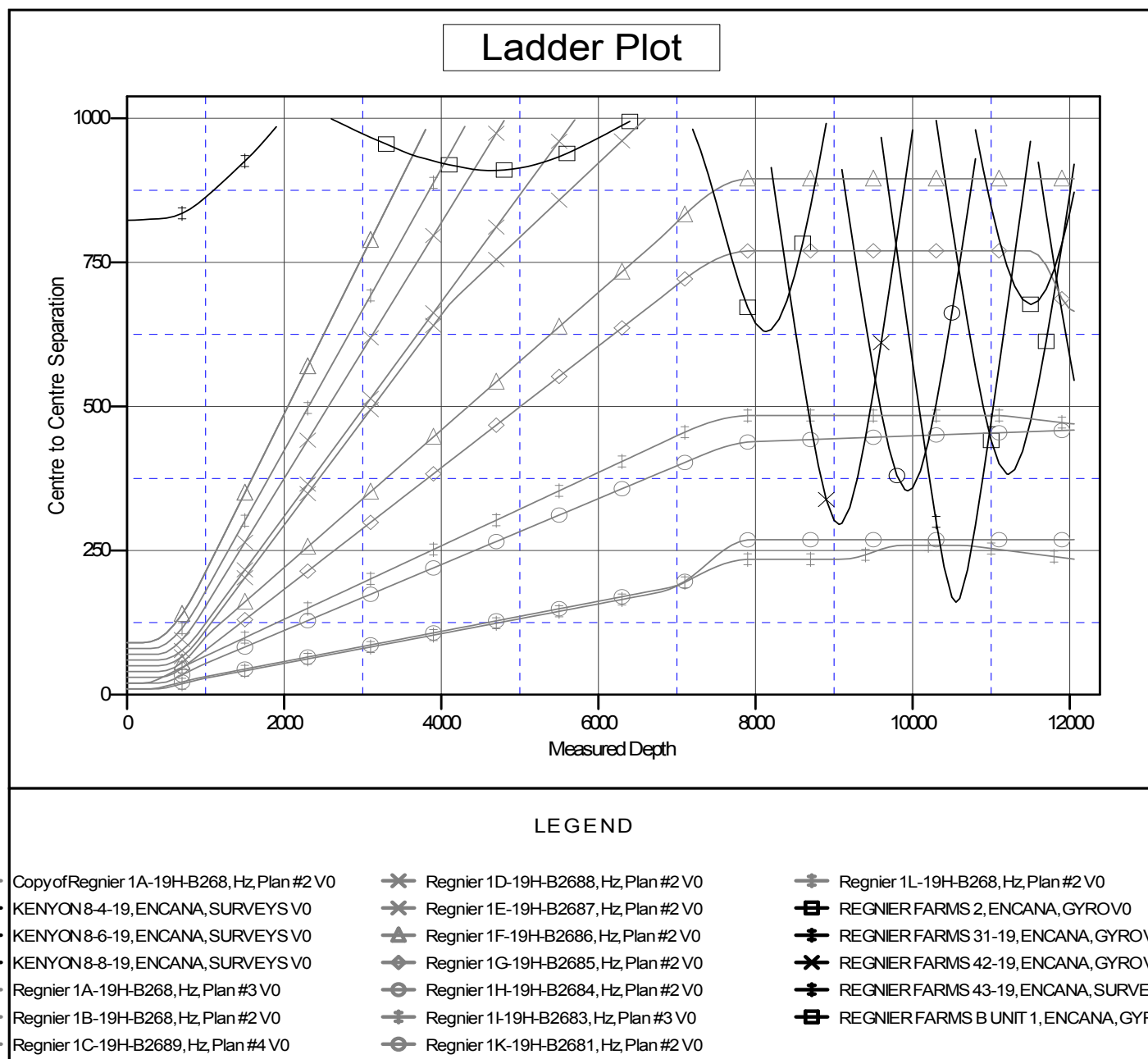
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Regnier 1J-19H-B2682

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