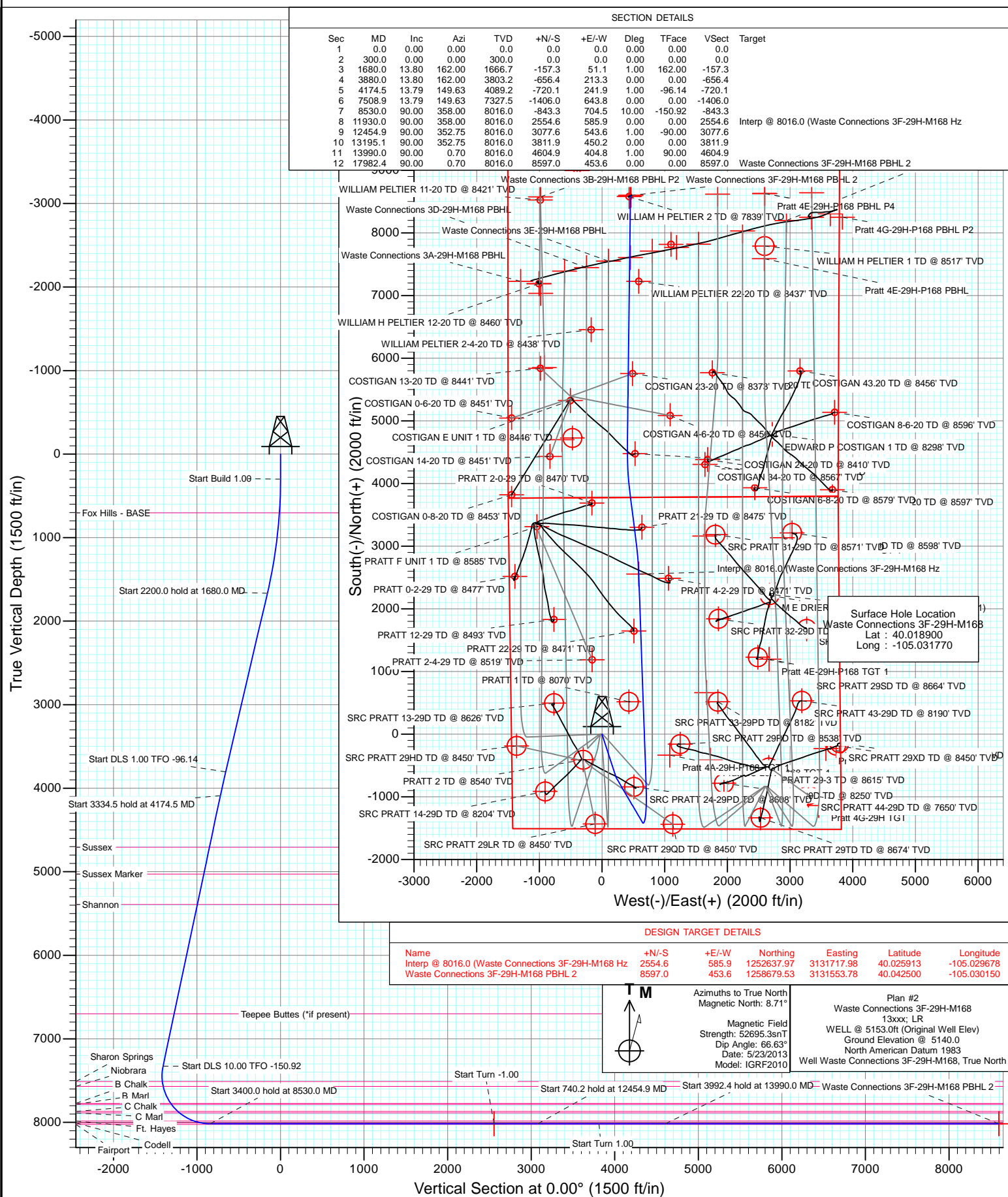




Project: DJ Wattenberg  
Site: S29-T1N-R68W (Pratt/Waste Connections)  
Well: Waste Connections 3F-29H-M168  
Wellbore: Hz  
Design: Plan #2



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>North Reference:</b>	True
<b>Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

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

Site	S29-T1N-R68W (Pratt/Waste Connections)				
Site Position:		Northing:	1,249,256.24 ft	Latitude:	40.016600
From:	Lat/Long	Easting:	3,133,726.79 ft	Longitude:	-105.022570
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.31 °

Well	Waste Connections 3F-29H-M168					
Well Position	+N/-S	0.0 ft	Northing:	1,250,080.29 ft	Latitude:	40.018900
	+E/-W	0.0 ft	Easting:	3,131,145.62 ft	Longitude:	-105.031770
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,140.0 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	5/23/2013	8.71	66.63	52,695

<b>Design</b>	Plan #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	0.00

<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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,680.0	13.80	162.00	1,666.7	-157.3	51.1	1.00	1.00	0.00	162.00	
3,880.0	13.80	162.00	3,803.2	-656.4	213.3	0.00	0.00	0.00	0.00	
4,174.5	13.79	149.63	4,089.2	-720.1	241.9	1.00	0.00	-4.20	-96.14	
7,508.9	13.79	149.63	7,327.5	-1,406.0	643.8	0.00	0.00	0.00	0.00	
8,530.0	90.00	358.00	8,016.0	-843.3	704.5	10.00	7.46	-14.85	-150.92	
11,930.0	90.00	358.00	8,016.0	2,554.6	585.9	0.00	0.00	0.00	0.00	Interp @ 8016.0 (Was
12,454.9	90.00	352.75	8,016.0	3,077.6	543.6	1.00	0.00	-1.00	-90.00	
13,195.1	90.00	352.75	8,016.0	3,811.9	450.2	0.00	0.00	0.00	0.00	
13,990.0	90.00	0.70	8,016.0	4,604.9	404.8	1.00	0.00	1.00	90.00	
17,982.4	90.00	0.70	8,016.0	8,597.0	453.6	0.00	0.00	0.00	0.00	Waste Connections 3I

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>North Reference:</b>	True
<b>Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	Start Build 1.00
400.0	1.00	162.00	400.0	-0.8	0.3	-0.8	1.00	1.00	
500.0	2.00	162.00	500.0	-3.3	1.1	-3.3	1.00	1.00	
600.0	3.00	162.00	599.9	-7.5	2.4	-7.5	1.00	1.00	
700.0	4.00	162.00	699.7	-13.3	4.3	-13.3	1.00	1.00	
703.3	4.03	162.00	703.0	-13.5	4.4	-13.5	1.00	1.00	Fox Hills - BASE
800.0	5.00	162.00	799.4	-20.7	6.7	-20.7	1.00	1.00	
900.0	6.00	162.00	898.9	-29.9	9.7	-29.9	1.00	1.00	
1,000.0	7.00	162.00	998.3	-40.6	13.2	-40.6	1.00	1.00	
1,100.0	8.00	162.00	1,097.4	-53.0	17.2	-53.0	1.00	1.00	
1,200.0	9.00	162.00	1,196.3	-67.1	21.8	-67.1	1.00	1.00	
1,300.0	10.00	162.00	1,294.9	-82.8	26.9	-82.8	1.00	1.00	
1,400.0	11.00	162.00	1,393.3	-100.1	32.5	-100.1	1.00	1.00	
1,500.0	12.00	162.00	1,491.2	-119.1	38.7	-119.1	1.00	1.00	
1,600.0	13.00	162.00	1,588.9	-139.7	45.4	-139.7	1.00	1.00	
1,680.0	13.80	162.00	1,666.7	-157.3	51.1	-157.3	1.00	1.00	Start 2200.0 hold at 1680.0 MD
1,700.0	13.80	162.00	1,686.1	-161.8	52.6	-161.8	0.00	0.00	
1,800.0	13.80	162.00	1,783.2	-184.5	60.0	-184.5	0.00	0.00	
1,900.0	13.80	162.00	1,880.3	-207.2	67.3	-207.2	0.00	0.00	
2,000.0	13.80	162.00	1,977.5	-229.9	74.7	-229.9	0.00	0.00	
2,100.0	13.80	162.00	2,074.6	-252.6	82.1	-252.6	0.00	0.00	
2,200.0	13.80	162.00	2,171.7	-275.3	89.4	-275.3	0.00	0.00	
2,300.0	13.80	162.00	2,268.8	-297.9	96.8	-297.9	0.00	0.00	
2,400.0	13.80	162.00	2,365.9	-320.6	104.2	-320.6	0.00	0.00	
2,500.0	13.80	162.00	2,463.0	-343.3	111.6	-343.3	0.00	0.00	
2,600.0	13.80	162.00	2,560.1	-366.0	118.9	-366.0	0.00	0.00	
2,700.0	13.80	162.00	2,657.3	-388.7	126.3	-388.7	0.00	0.00	
2,800.0	13.80	162.00	2,754.4	-411.4	133.7	-411.4	0.00	0.00	
2,900.0	13.80	162.00	2,851.5	-434.1	141.0	-434.1	0.00	0.00	
3,000.0	13.80	162.00	2,948.6	-456.7	148.4	-456.7	0.00	0.00	
3,100.0	13.80	162.00	3,045.7	-479.4	155.8	-479.4	0.00	0.00	
3,200.0	13.80	162.00	3,142.8	-502.1	163.1	-502.1	0.00	0.00	
3,300.0	13.80	162.00	3,239.9	-524.8	170.5	-524.8	0.00	0.00	
3,400.0	13.80	162.00	3,337.0	-547.5	177.9	-547.5	0.00	0.00	
3,500.0	13.80	162.00	3,434.2	-570.2	185.3	-570.2	0.00	0.00	
3,600.0	13.80	162.00	3,531.3	-592.9	192.6	-592.9	0.00	0.00	
3,700.0	13.80	162.00	3,628.4	-615.5	200.0	-615.5	0.00	0.00	
3,800.0	13.80	162.00	3,725.5	-638.2	207.4	-638.2	0.00	0.00	
3,880.0	13.80	162.00	3,803.2	-656.4	213.3	-656.4	0.00	0.00	Start DLS 1.00 TFO -96.14
3,900.0	13.78	161.17	3,822.6	-660.9	214.8	-660.9	1.00	-0.10	
4,000.0	13.72	156.96	3,919.8	-683.1	223.3	-683.1	1.00	-0.06	
4,100.0	13.74	152.75	4,016.9	-704.6	233.3	-704.6	1.00	0.01	
4,174.5	13.79	149.63	4,089.2	-720.1	241.9	-720.1	1.00	0.08	Start 3334.5 hold at 4174.5 MD
4,200.0	13.79	149.63	4,114.0	-725.3	245.0	-725.3	0.00	0.00	
4,300.0	13.79	149.63	4,211.1	-745.9	257.0	-745.9	0.00	0.00	
4,400.0	13.79	149.63	4,308.3	-766.5	269.1	-766.5	0.00	0.00	
4,500.0	13.79	149.63	4,405.4	-787.0	281.1	-787.0	0.00	0.00	
4,600.0	13.79	149.63	4,502.5	-807.6	293.2	-807.6	0.00	0.00	
4,700.0	13.79	149.63	4,599.6	-828.2	305.2	-828.2	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>North Reference:</b>	True
<b>Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,800.0	13.79	149.63	4,696.7	-848.8	317.3	-848.8	0.00	0.00	
4,809.6	13.79	149.63	4,706.0	-850.7	318.4	-850.7	0.00	0.00	Sussex
4,900.0	13.79	149.63	4,793.8	-869.3	329.3	-869.3	0.00	0.00	
5,000.0	13.79	149.63	4,891.0	-889.9	341.4	-889.9	0.00	0.00	
5,100.0	13.79	149.63	4,988.1	-910.5	353.4	-910.5	0.00	0.00	
5,141.1	13.79	149.63	5,028.0	-918.9	358.4	-918.9	0.00	0.00	Sussex Marker
5,200.0	13.79	149.63	5,085.2	-931.0	365.5	-931.0	0.00	0.00	
5,300.0	13.79	149.63	5,182.3	-951.6	377.5	-951.6	0.00	0.00	
5,400.0	13.79	149.63	5,279.4	-972.2	389.6	-972.2	0.00	0.00	
5,500.0	13.79	149.63	5,376.5	-992.7	401.7	-992.7	0.00	0.00	
5,514.9	13.79	149.63	5,391.0	-995.8	403.5	-995.8	0.00	0.00	Shannon
5,600.0	13.79	149.63	5,473.7	-1,013.3	413.7	-1,013.3	0.00	0.00	
5,700.0	13.79	149.63	5,570.8	-1,033.9	425.8	-1,033.9	0.00	0.00	
5,800.0	13.79	149.63	5,667.9	-1,054.5	437.8	-1,054.5	0.00	0.00	
5,900.0	13.79	149.63	5,765.0	-1,075.0	449.9	-1,075.0	0.00	0.00	
6,000.0	13.79	149.63	5,862.1	-1,095.6	461.9	-1,095.6	0.00	0.00	
6,100.0	13.79	149.63	5,959.2	-1,116.2	474.0	-1,116.2	0.00	0.00	
6,200.0	13.79	149.63	6,056.3	-1,136.7	486.0	-1,136.7	0.00	0.00	
6,300.0	13.79	149.63	6,153.5	-1,157.3	498.1	-1,157.3	0.00	0.00	
6,400.0	13.79	149.63	6,250.6	-1,177.9	510.1	-1,177.9	0.00	0.00	
6,500.0	13.79	149.63	6,347.7	-1,198.4	522.2	-1,198.4	0.00	0.00	
6,600.0	13.79	149.63	6,444.8	-1,219.0	534.3	-1,219.0	0.00	0.00	
6,700.0	13.79	149.63	6,541.9	-1,239.6	546.3	-1,239.6	0.00	0.00	
6,800.0	13.79	149.63	6,639.0	-1,260.2	558.4	-1,260.2	0.00	0.00	
6,862.8	13.79	149.63	6,700.0	-1,273.1	565.9	-1,273.1	0.00	0.00	Teepee Buttes (*if present)
6,900.0	13.79	149.63	6,736.2	-1,280.7	570.4	-1,280.7	0.00	0.00	
7,000.0	13.79	149.63	6,833.3	-1,301.3	582.5	-1,301.3	0.00	0.00	
7,100.0	13.79	149.63	6,930.4	-1,321.9	594.5	-1,321.9	0.00	0.00	
7,200.0	13.79	149.63	7,027.5	-1,342.4	606.6	-1,342.4	0.00	0.00	
7,300.0	13.79	149.63	7,124.6	-1,363.0	618.6	-1,363.0	0.00	0.00	
7,400.0	13.79	149.63	7,221.7	-1,383.6	630.7	-1,383.6	0.00	0.00	
7,500.0	13.79	149.63	7,318.9	-1,404.1	642.7	-1,404.1	0.00	0.00	
7,508.9	13.79	149.63	7,327.5	-1,406.0	643.8	-1,406.0	0.00	0.00	Start DLS 10.00 TFO -150.92
7,600.0	7.30	112.34	7,417.1	-1,417.6	654.7	-1,417.6	10.00	-7.13	
7,693.7	9.20	44.08	7,510.0	-1,414.4	665.4	-1,414.4	10.00	2.03	Sharon Springs
7,700.0	9.65	41.34	7,516.3	-1,413.7	666.1	-1,413.7	10.00	7.06	
7,752.9	13.95	26.01	7,568.0	-1,404.6	671.8	-1,404.6	10.00	8.14	Niobrara
7,800.0	18.22	18.76	7,613.3	-1,392.5	676.7	-1,392.5	10.00	9.06	
7,900.0	27.75	10.81	7,705.3	-1,354.8	686.1	-1,354.8	10.00	9.53	
7,979.6	35.51	7.41	7,773.0	-1,313.6	692.6	-1,313.6	10.00	9.75	B Chalk
7,993.2	36.84	6.96	7,784.0	-1,305.6	693.6	-1,305.6	10.00	9.81	B Marl
8,000.0	37.51	6.74	7,789.4	-1,301.5	694.1	-1,301.5	10.00	9.81	
8,100.0	47.36	4.17	7,863.1	-1,234.5	700.3	-1,234.5	10.00	9.85	
8,107.3	48.08	4.01	7,868.0	-1,229.1	700.7	-1,229.1	10.00	9.88	C Chalk
8,136.5	50.97	3.43	7,887.0	-1,206.9	702.2	-1,206.9	10.00	9.88	C Marl
8,200.0	57.25	2.30	7,924.2	-1,155.6	704.7	-1,155.6	10.00	9.90	
8,300.0	67.16	0.82	7,970.8	-1,067.2	707.1	-1,067.2	10.00	9.91	
8,337.0	70.83	0.32	7,984.0	-1,032.7	707.4	-1,032.7	10.00	9.92	Ft. Hayes
8,400.0	77.09	359.53	8,001.4	-972.2	707.3	-972.2	10.00	9.93	
8,422.4	79.32	359.26	8,006.0	-950.2	707.1	-950.2	10.00	9.93	Codell
8,500.0	87.02	358.35	8,015.2	-873.3	705.5	-873.3	10.00	9.93	
8,530.0	90.00	358.00	8,016.0	-843.3	704.5	-843.3	10.00	9.93	Start 3400.0 hold at 8530.0 MD

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>North Reference:</b>	True
<b>Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
8,600.0	90.00	358.00	8,016.0	-773.4	702.1	-773.4	0.00	0.00	
8,700.0	90.00	358.00	8,016.0	-673.4	698.6	-673.4	0.00	0.00	
8,800.0	90.00	358.00	8,016.0	-573.5	695.1	-573.5	0.00	0.00	
8,900.0	90.00	358.00	8,016.0	-473.5	691.6	-473.5	0.00	0.00	
9,000.0	90.00	358.00	8,016.0	-373.6	688.1	-373.6	0.00	0.00	
9,100.0	90.00	358.00	8,016.0	-273.7	684.6	-273.7	0.00	0.00	
9,200.0	90.00	358.00	8,016.0	-173.7	681.1	-173.7	0.00	0.00	
9,300.0	90.00	358.00	8,016.0	-73.8	677.6	-73.8	0.00	0.00	
9,400.0	90.00	358.00	8,016.0	26.2	674.2	26.2	0.00	0.00	
9,500.0	90.00	358.00	8,016.0	126.1	670.7	126.1	0.00	0.00	
9,600.0	90.00	358.00	8,016.0	226.0	667.2	226.0	0.00	0.00	
9,700.0	90.00	358.00	8,016.0	326.0	663.7	326.0	0.00	0.00	
9,800.0	90.00	358.00	8,016.0	425.9	660.2	425.9	0.00	0.00	
9,900.0	90.00	358.00	8,016.0	525.9	656.7	525.9	0.00	0.00	
10,000.0	90.00	358.00	8,016.0	625.8	653.2	625.8	0.00	0.00	
10,100.0	90.00	358.00	8,016.0	725.7	649.7	725.7	0.00	0.00	
10,200.0	90.00	358.00	8,016.0	825.7	646.2	825.7	0.00	0.00	
10,300.0	90.00	358.00	8,016.0	925.6	642.7	925.6	0.00	0.00	
10,400.0	90.00	358.00	8,016.0	1,025.5	639.3	1,025.5	0.00	0.00	
10,500.0	90.00	358.00	8,016.0	1,125.5	635.8	1,125.5	0.00	0.00	
10,600.0	90.00	358.00	8,016.0	1,225.4	632.3	1,225.4	0.00	0.00	
10,700.0	90.00	358.00	8,016.0	1,325.4	628.8	1,325.4	0.00	0.00	
10,800.0	90.00	358.00	8,016.0	1,425.3	625.3	1,425.3	0.00	0.00	
10,900.0	90.00	358.00	8,016.0	1,525.2	621.8	1,525.2	0.00	0.00	
11,000.0	90.00	358.00	8,016.0	1,625.2	618.3	1,625.2	0.00	0.00	
11,100.0	90.00	358.00	8,016.0	1,725.1	614.8	1,725.1	0.00	0.00	
11,200.0	90.00	358.00	8,016.0	1,825.1	611.3	1,825.1	0.00	0.00	
11,300.0	90.00	358.00	8,016.0	1,925.0	607.9	1,925.0	0.00	0.00	
11,400.0	90.00	358.00	8,016.0	2,024.9	604.4	2,024.9	0.00	0.00	
11,500.0	90.00	358.00	8,016.0	2,124.9	600.9	2,124.9	0.00	0.00	
11,600.0	90.00	358.00	8,016.0	2,224.8	597.4	2,224.8	0.00	0.00	
11,700.0	90.00	358.00	8,016.0	2,324.8	593.9	2,324.8	0.00	0.00	
11,800.0	90.00	358.00	8,016.0	2,424.7	590.4	2,424.7	0.00	0.00	
11,900.0	90.00	358.00	8,016.0	2,524.6	586.9	2,524.6	0.00	0.00	
11,930.0	90.00	358.00	8,016.0	2,554.6	585.9	2,554.6	0.00	0.00	Start Turn -1.00
12,000.0	90.00	357.30	8,016.0	2,624.6	583.0	2,624.6	1.00	0.00	
12,100.0	90.00	356.30	8,016.0	2,724.4	577.4	2,724.4	1.00	0.00	
12,200.0	90.00	355.30	8,016.0	2,824.1	570.1	2,824.1	1.00	0.00	
12,300.0	90.00	354.30	8,016.0	2,923.7	561.0	2,923.7	1.00	0.00	
12,400.0	90.00	353.30	8,016.0	3,023.1	550.2	3,023.1	1.00	0.00	
12,454.9	90.00	352.75	8,016.0	3,077.6	543.6	3,077.6	1.00	0.00	Start 740.2 hold at 12454.9 MD
12,500.0	90.00	352.75	8,016.0	3,122.4	537.9	3,122.4	0.00	0.00	
12,600.0	90.00	352.75	8,016.0	3,221.6	525.2	3,221.6	0.00	0.00	
12,700.0	90.00	352.75	8,016.0	3,320.8	512.6	3,320.8	0.00	0.00	
12,800.0	90.00	352.75	8,016.0	3,420.0	500.0	3,420.0	0.00	0.00	
12,900.0	90.00	352.75	8,016.0	3,519.2	487.4	3,519.2	0.00	0.00	
13,000.0	90.00	352.75	8,016.0	3,618.4	474.8	3,618.4	0.00	0.00	
13,100.0	90.00	352.75	8,016.0	3,717.6	462.2	3,717.6	0.00	0.00	
13,195.1	90.00	352.75	8,016.0	3,811.9	450.2	3,811.9	0.00	0.00	Start Turn 1.00
13,200.0	90.00	352.80	8,016.0	3,816.8	449.5	3,816.8	1.00	0.00	
13,300.0	90.00	353.80	8,016.0	3,916.1	437.9	3,916.1	1.00	0.00	
13,400.0	90.00	354.80	8,016.0	4,015.6	427.9	4,015.6	1.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>North Reference:</b>	True
<b>Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
13,500.0	90.00	355.80	8,016.0	4,115.2	419.8	4,115.2	1.00	0.00	
13,600.0	90.00	356.80	8,016.0	4,215.0	413.3	4,215.0	1.00	0.00	
13,700.0	90.00	357.80	8,016.0	4,314.9	408.6	4,314.9	1.00	0.00	
13,800.0	90.00	358.80	8,016.0	4,414.9	405.6	4,414.9	1.00	0.00	
13,900.0	90.00	359.80	8,016.0	4,514.9	404.4	4,514.9	1.00	0.00	
13,990.0	90.00	0.70	8,016.0	4,604.9	404.8	4,604.9	1.00	0.00	Start 3992.4 hold at 13990.0 MD
14,000.0	90.00	0.70	8,016.0	4,614.9	404.9	4,614.9	0.00	0.00	
14,100.0	90.00	0.70	8,016.0	4,714.9	406.1	4,714.9	0.00	0.00	
14,200.0	90.00	0.70	8,016.0	4,814.9	407.4	4,814.9	0.00	0.00	
14,300.0	90.00	0.70	8,016.0	4,914.8	408.6	4,914.8	0.00	0.00	
14,400.0	90.00	0.70	8,016.0	5,014.8	409.8	5,014.8	0.00	0.00	
14,500.0	90.00	0.70	8,016.0	5,114.8	411.0	5,114.8	0.00	0.00	
14,600.0	90.00	0.70	8,016.0	5,214.8	412.2	5,214.8	0.00	0.00	
14,700.0	90.00	0.70	8,016.0	5,314.8	413.5	5,314.8	0.00	0.00	
14,800.0	90.00	0.70	8,016.0	5,414.8	414.7	5,414.8	0.00	0.00	
14,900.0	90.00	0.70	8,016.0	5,514.8	415.9	5,514.8	0.00	0.00	
15,000.0	90.00	0.70	8,016.0	5,614.8	417.1	5,614.8	0.00	0.00	
15,100.0	90.00	0.70	8,016.0	5,714.8	418.4	5,714.8	0.00	0.00	
15,200.0	90.00	0.70	8,016.0	5,814.8	419.6	5,814.8	0.00	0.00	
15,300.0	90.00	0.70	8,016.0	5,914.8	420.8	5,914.8	0.00	0.00	
15,400.0	90.00	0.70	8,016.0	6,014.8	422.0	6,014.8	0.00	0.00	
15,500.0	90.00	0.70	8,016.0	6,114.8	423.2	6,114.8	0.00	0.00	
15,600.0	90.00	0.70	8,016.0	6,214.8	424.5	6,214.8	0.00	0.00	
15,700.0	90.00	0.70	8,016.0	6,314.7	425.7	6,314.7	0.00	0.00	
15,800.0	90.00	0.70	8,016.0	6,414.7	426.9	6,414.7	0.00	0.00	
15,900.0	90.00	0.70	8,016.0	6,514.7	428.1	6,514.7	0.00	0.00	
16,000.0	90.00	0.70	8,016.0	6,614.7	429.3	6,614.7	0.00	0.00	
16,100.0	90.00	0.70	8,016.0	6,714.7	430.6	6,714.7	0.00	0.00	
16,200.0	90.00	0.70	8,016.0	6,814.7	431.8	6,814.7	0.00	0.00	
16,300.0	90.00	0.70	8,016.0	6,914.7	433.0	6,914.7	0.00	0.00	
16,400.0	90.00	0.70	8,016.0	7,014.7	434.2	7,014.7	0.00	0.00	
16,500.0	90.00	0.70	8,016.0	7,114.7	435.5	7,114.7	0.00	0.00	
16,600.0	90.00	0.70	8,016.0	7,214.7	436.7	7,214.7	0.00	0.00	
16,700.0	90.00	0.70	8,016.0	7,314.7	437.9	7,314.7	0.00	0.00	
16,800.0	90.00	0.70	8,016.0	7,414.7	439.1	7,414.7	0.00	0.00	
16,900.0	90.00	0.70	8,016.0	7,514.7	440.3	7,514.7	0.00	0.00	
17,000.0	90.00	0.70	8,016.0	7,614.6	441.6	7,614.6	0.00	0.00	
17,100.0	90.00	0.70	8,016.0	7,714.6	442.8	7,714.6	0.00	0.00	
17,200.0	90.00	0.70	8,016.0	7,814.6	444.0	7,814.6	0.00	0.00	
17,300.0	90.00	0.70	8,016.0	7,914.6	445.2	7,914.6	0.00	0.00	
17,400.0	90.00	0.70	8,016.0	8,014.6	446.5	8,014.6	0.00	0.00	
17,500.0	90.00	0.70	8,016.0	8,114.6	447.7	8,114.6	0.00	0.00	
17,600.0	90.00	0.70	8,016.0	8,214.6	448.9	8,214.6	0.00	0.00	
17,700.0	90.00	0.70	8,016.0	8,314.6	450.1	8,314.6	0.00	0.00	
17,800.0	90.00	0.70	8,016.0	8,414.6	451.3	8,414.6	0.00	0.00	
17,900.0	90.00	0.70	8,016.0	8,514.6	452.6	8,514.6	0.00	0.00	
17,982.4	90.00	0.70	8,016.0	8,597.0	453.6	8,597.0	0.00	0.00	TD at 17982.4

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>North Reference:</b>	True
<b>Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
Waste Connections 3F-2	0.00	0.00	8,016.0	7,606.1	453.6	1,257,688.71	3,131,559.03	40.039780	-105.030150
- plan misses target center by 12.1ft at 16991.6ft MD (8016.0 TVD, 7606.3 N, 441.5 E)									
- Point									
Interp @ 8016.0 (Waste	0.00	0.00	8,016.0	2,554.6	585.9	1,252,637.97	3,131,717.98	40.025913	-105.029678
- plan hits target center									
- Point									
Waste Connections 3F-2	0.00	0.00	8,016.0	8,597.0	453.6	1,258,679.53	3,131,553.78	40.042500	-105.030150
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
703.3	703.0	Fox Hills - BASE				
4,809.6	4,706.0	Sussex				
5,141.1	5,028.0	Sussex Marker				
5,514.9	5,391.0	Shannon				
6,862.8	6,700.0	Teepee Buttes (*if present)				
7,693.7	7,510.0	Sharon Springs				
7,752.9	7,568.0	Niobrara				
7,979.6	7,773.0	B Chalk				
7,993.2	7,784.0	B Marl				
8,107.3	7,868.0	C Chalk				
8,136.5	7,887.0	C Marl				
8,337.0	7,984.0	Ft. Hayes				
8,422.4	8,006.0	Codell				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
300.0	300.0	0.0	0.0	Start Build 1.00	
1,680.0	1,666.7	-157.3	51.1	Start 2200.0 hold at 1680.0 MD	
3,880.0	3,803.2	-656.4	213.3	Start DLS 1.00 TFO -96.14	
4,174.5	4,089.2	-720.1	241.9	Start 3334.5 hold at 4174.5 MD	
7,508.9	7,327.5	-1,406.0	643.8	Start DLS 10.00 TFO -150.92	
8,530.0	8,016.0	-843.3	704.5	Start 3400.0 hold at 8530.0 MD	
11,930.0	8,016.0	2,554.6	585.9	Start Turn -1.00	
12,454.9	8,016.0	3,077.6	543.6	Start 740.2 hold at 12454.9 MD	
13,195.1	8,016.0	3,811.9	450.2	Start Turn 1.00	
13,990.0	8,016.0	4,604.9	404.8	Start 3992.4 hold at 13990.0 MD	
17,982.4	8,016.0	8,597.0	453.6	TD at 17982.4	

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

**DJ Wattenberg**

**S29-T1N-R68W (Pratt/Waste Connections)**

**Waste Connections 3F-29H-M168**

**Hz**

**Plan #2**

## **Anticollision Report**

**26 November, 2014**



## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #2		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 1,400.1ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>		<b>Date</b>	11/26/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	17,981.6	Plan #2 (Hz)	MWD	Geolink MWD	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
S29-T1N-R68W (Pratt/Waste Connections)						
COSTIGAN 0-6-20 (EXISTING) - ENCANA WELL - PLAN						Out of range
COSTIGAN 0-8-20 (EXISTING) - ENCANA WELL - PLAN						Out of range
COSTIGAN 13-20 (EXISTING) - ENCANA WELL - PLAN						Out of range
COSTIGAN 14-20 (EXISTING) - ENCANA WELL - PLAN	13,836.4	8,028.4	1,236.8	1,134.1	12.045	CC, ES
COSTIGAN 14-20 (EXISTING) - ENCANA WELL - PLAN	14,100.0	8,028.4	1,269.4	1,161.9	11.807	SF
COSTIGAN 23-20 (EXISTING) - ENCANA WELL - PLAN	15,141.6	8,041.5	68.3	-51.5	0.570	Level 1, CC, ES, SF
COSTIGAN 24-20 (EXISTING) - ENCANA WELL - ENCA	13,856.8	8,177.4	115.2	11.8	1.115	Level 2, CC, ES, SF
COSTIGAN 33-20 (EXISTING) - ENCANA WELL - ENCA	15,176.1	8,291.1	1,345.7	1,217.6	10.508	CC
COSTIGAN 33-20 (EXISTING) - ENCANA WELL - ENCA	15,200.0	8,290.8	1,345.9	1,217.4	10.476	ES
COSTIGAN 33-20 (EXISTING) - ENCANA WELL - ENCA	15,400.0	8,288.2	1,364.2	1,232.3	10.339	SF
COSTIGAN 34-20 (EXISTING) - ENCANA WELL - SURV	13,725.7	7,705.0	1,374.5	1,286.4	15.600	CC, ES
COSTIGAN 34-20 (EXISTING) - ENCANA WELL - SURV	14,000.0	7,705.0	1,395.6	1,302.4	14.974	SF
COSTIGAN 43-20 (EXISTING) - ENCANA WELL - SURV						Out of range
COSTIGAN 4-6-20 (EXISTING) - ENCANA WELL - PLAN	14,478.8	8,170.4	675.8	567.8	6.260	CC
COSTIGAN 4-6-20 (EXISTING) - ENCANA WELL - PLAN	14,500.0	8,170.4	676.1	567.8	6.242	ES
COSTIGAN 4-6-20 (EXISTING) - ENCANA WELL - PLAN	14,600.0	8,170.4	686.5	576.5	6.239	SF
COSTIGAN 6-8-20 (EXISTING) - ENCANA WELL - SUR						Out of range
COSTIGAN 8-6-20 (EXISTING) - ENCANA WELL - SUR						Out of range
COSTIGAN 8-8-20 (EXISTING) - ENCANA WELL - SUR						Out of range
COSTIGAN E UNIT 1 (EXISTING) - ENCANA WELL - NO	14,698.3	7,940.0	918.9	808.4	8.314	CC
COSTIGAN E UNIT 1 (EXISTING) - ENCANA WELL - NO	14,700.0	7,940.0	918.9	808.4	8.312	ES
COSTIGAN E UNIT 1 (EXISTING) - ENCANA WELL - NO	14,800.0	7,940.0	924.6	812.3	8.234	SF
COSTIGAN H UNIT 1 (EXISTING) - VESSELS WELL - N	14,101.7	7,982.0	878.6	778.3	8.759	CC, ES
COSTIGAN H UNIT 1 (EXISTING) - VESSELS WELL - N	14,200.0	7,982.0	884.1	782.1	8.668	SF
EDWARD P COSTIGAN 1 (EXISTING) - ENCANA WELL						Out of range
M E DRIER 1 (EXISTING) - SYNERGY WELL - GYRO						Out of range
PRATT 0-2-29 (EXISTING) - ENCANA WELL - SURVEY						Out of range
PRATT 1 (EXISTING) - SYNERGY WELL - NO SURVEY	9,898.7	8,005.0	228.1	194.6	6.811	CC
PRATT 1 (EXISTING) - SYNERGY WELL - NO SURVEY	9,900.0	8,005.0	228.1	194.6	6.809	ES, SF
PRATT 12-29 (EXISTING) - ENCANA WELL - SURVEYS	11,242.2	8,268.4	1,379.3	1,310.5	20.049	CC, ES
PRATT 12-29 (EXISTING) - ENCANA WELL - SURVEYS	11,400.0	8,271.5	1,388.3	1,317.0	19.468	SF
PRATT 2 (EXISTING) - SYNERGY WELL - NO SURVEY	2,224.9	2,183.9	411.1	400.7	39.428	CC
PRATT 2 (EXISTING) - SYNERGY WELL - NO SURVEY	2,300.0	2,256.8	411.5	400.6	37.818	ES
PRATT 2 (EXISTING) - SYNERGY WELL - NO SURVEY	3,200.0	3,130.8	472.3	456.9	30.647	SF
PRATT 2-0-29 (EXISTING) - ENCANA WELL - SURVEY	13,146.6	8,100.1	626.4	543.3	7.543	CC, ES
PRATT 2-0-29 (EXISTING) - ENCANA WELL - SURVEY	13,200.0	8,100.6	628.6	544.6	7.487	SF
PRATT 21-29 (EXISTING) - ENCANA WELL - SURVEYS	12,660.7	8,242.2	116.6	41.1	1.546	CC, ES, SF
PRATT 22-29 (EXISTING) - ENCANA WELL - SURVEYS	11,038.3	8,577.5	120.0	49.7	1.707	CC, ES, SF
PRATT 2-4-29 (EXISTING) - ENCANA WELL - PLAN ON	10,589.7	8,458.1	790.0	720.3	11.336	CC
PRATT 2-4-29 (EXISTING) - ENCANA WELL - PLAN ON	10,600.0	8,458.1	790.0	720.2	11.314	ES
PRATT 2-4-29 (EXISTING) - ENCANA WELL - PLAN ON	10,700.0	8,458.1	797.6	726.3	11.190	SF
PRATT 29-3 (EXISTING) - SYNERGY WELL - NO SURV						Out of range
PRATT 4-2-29 (EXISTING) - ENCANA WELL - SURVEY	11,834.9	8,529.9	473.9	402.9	6.673	CC, ES
PRATT 4-2-29 (EXISTING) - ENCANA WELL - SURVEY	11,900.0	8,531.1	478.3	406.3	6.635	SF
Pratt 4B-29H-P168 - Hz - Plan #1	7,800.0	7,710.8	905.7	863.2	21.279	ES
Pratt 4B-29H-P168 - Hz - Plan #1	7,813.0	7,717.0	905.7	863.2	21.328	CC
Pratt 4B-29H-P168 - Hz - Plan #1	17,300.0	16,768.2	1,189.9	916.0	4.343	SF
Pratt 4C-29H-P168 - Hz - Plan #4	10,524.3	10,459.7	1,009.5	941.8	14.908	CC
Pratt 4C-29H-P168 - Hz - Plan #4	10,700.0	10,609.1	1,011.8	939.1	13.920	ES
Pratt 4C-29H-P168 - Hz - Plan #4	17,982.4	17,883.0	1,391.9	1,070.3	4.328	SF
Pratt 4D-29H-P168 - Hz - Plan #2						Out of range
Pratt 4E-29H-P168 - Hz - Plan #4 Ext						Out of range
Pratt 4F-29H-P168 - Hz - Plan #2						Out of range

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
S29-T1N-R68W (Pratt/Waste Connections)						
Pratt 4G-29H-P168 - Hz - Plan #3						Out of range
PRATT F UNIT 1 (EXISTING) - ENCANA WELL - NO SU						Out of range
SRC PRATT 13-29D (EXISTING) - SYNERGY WELL - S	1,271.0	1,277.9	451.9	445.4	69.214	CC
SRC PRATT 13-29D (EXISTING) - SYNERGY WELL - S	1,300.0	1,303.0	452.1	445.3	67.160	ES
SRC PRATT 13-29D (EXISTING) - SYNERGY WELL - S	1,900.0	1,832.7	538.3	527.8	50.981	SF
SRC PRATT 14-29D (EXISTING) - SYNERGY WELL - S	1,314.2	1,272.0	524.2	519.2	105.850	CC, ES
SRC PRATT 14-29D (EXISTING) - SYNERGY WELL - S	6,100.0	6,055.0	1,386.2	1,350.1	38.378	SF
SRC PRATT 24-29 PD (EXISTING) - SYNERGY WELL - S	5,307.5	5,298.7	187.0	149.9	5.040	CC, ES
SRC PRATT 24-29 PD (EXISTING) - SYNERGY WELL - S	5,400.0	5,389.0	188.1	150.1	4.955	SF
SRC PRATT 29HD (EXISTING) - SYNERGY WELL - PL	1,321.0	1,272.3	522.7	517.6	103.690	CC, ES
SRC PRATT 29HD (EXISTING) - SYNERGY WELL - PL	2,600.0	2,396.8	758.7	746.3	61.101	SF
SRC PRATT 29LD (EXISTING) - SYNERGY WELL - PLA	1,577.2	1,513.0	472.8	466.4	73.813	CC
SRC PRATT 29LD (EXISTING) - SYNERGY WELL - PLA	1,600.0	1,534.0	472.9	466.3	72.229	ES
SRC PRATT 29LD (EXISTING) - SYNERGY WELL - PLA	6,800.0	6,751.3	689.5	641.0	14.229	SF
SRC PRATT 29PD (EXISTING) - SYNERGY WELL - SU	9,196.4	8,233.2	550.4	518.1	17.046	CC, ES, SF
SRC PRATT 29QD (EXISTING) - SYNERGY WELL - PL	2,367.3	2,304.2	442.4	430.1	36.000	CC
SRC PRATT 29QD (EXISTING) - SYNERGY WELL - PL	7,700.0	7,794.4	462.6	413.6	9.431	SF
SRC PRATT 29QD (EXISTING) - SYNERGY WELL - PL	7,900.0	7,983.4	449.6	405.1	10.104	ES
SRC PRATT 29SD (EXISTING) - SYNERGY WELL - SU						Out of range
SRC PRATT 29TD (EXISTING) - SYNERGY WELL - SU						Out of range
SRC PRATT 29XD (EXISTING) - SYNERGY WELL - GY						Out of range
SRC PRATT 31-29D (EXISTING) - SYNERGY WELL - S	12,409.8	8,269.3	1,265.7	1,184.8	15.650	CC, ES
SRC PRATT 31-29D (EXISTING) - SYNERGY WELL - S	12,700.0	8,269.2	1,300.8	1,215.1	15.172	SF
SRC PRATT 32-29D (EXISTING) - SYNERGY WELL - S	11,153.6	8,163.8	1,229.5	1,178.1	23.912	CC, ES
SRC PRATT 32-29D (EXISTING) - SYNERGY WELL - S	11,600.0	8,185.0	1,307.9	1,249.3	22.311	SF
SRC PRATT 33-29PD (EXISTING) - SYNERGY WELL - S	9,845.8	8,204.8	1,189.2	1,146.9	28.132	CC, ES
SRC PRATT 33-29PD (EXISTING) - SYNERGY WELL - S	10,300.0	8,215.6	1,272.9	1,225.6	26.877	SF
SRC PRATT 34-29D (EXISTING) - SYNERGY WELL - S	7,700.0	7,561.8	1,399.2	1,356.0	32.381	SF
SRC PRATT 34-29D (EXISTING) - SYNERGY WELL - S	8,546.4	8,102.5	1,236.1	1,200.4	34.685	CC, ES
SRC PRATT 41-29D (EXISTING) - SYNERGY WELL - S						Out of range
SRC PRATT 42-29D (EXISTING) - SYNERGY WELL - S						Out of range
SRC PRATT 43-29D (EXISTING) - SYNERGY WELL - S						Out of range
SRC PRATT 44-29D (EXISTING) - SYNERGY WELL - P						Out of range
Waste Connections 3A-29H-M168 - Hz - Plan #1	200.0	200.0	47.6	47.0	72.942	CC, ES
Waste Connections 3A-29H-M168 - Hz - Plan #1	700.0	694.0	74.5	72.1	30.794	SF
Waste Connections 3B-29H-M168 - Hz - Plan #2	300.0	300.0	39.2	38.2	39.140	CC, ES
Waste Connections 3B-29H-M168 - Hz - Plan #2	16,900.0	15,961.4	1,397.0	1,128.5	5.202	SF
Waste Connections 3C-29H-M168 - Hz - Plan #1	300.0	300.0	28.0	27.0	27.957	CC
Waste Connections 3C-29H-M168 - Hz - Plan #1	400.0	400.0	28.3	26.9	20.933	ES
Waste Connections 3C-29H-M168 - Hz - Plan #1	16,800.0	16,590.2	1,060.6	801.0	4.085	SF
Waste Connections 3D-29H-M168 - Hz - Plan #1	300.0	300.0	19.6	18.6	19.570	CC
Waste Connections 3D-29H-M168 - Hz - Plan #1	400.0	400.0	19.9	18.5	14.720	ES
Waste Connections 3D-29H-M168 - Hz - Plan #1	16,900.0	15,450.3	690.2	422.2	2.576	SF
Waste Connections 3E-29H-M168 - Hz - Plan #1	300.0	300.0	8.4	7.4	8.387	CC
Waste Connections 3E-29H-M168 - Hz - Plan #1	400.0	400.0	8.7	7.4	6.447	ES
Waste Connections 3E-29H-M168 - Hz - Plan #1	16,900.0	16,710.4	406.7	181.3	1.804	SF
Waste Connections 3G-29H-M168 - Hz - Plan #1	166.3	167.3	11.2	10.7	20.864	CC
Waste Connections 3G-29H-M168 - Hz - Plan #1	200.0	201.0	11.2	10.5	17.117	ES
Waste Connections 3G-29H-M168 - Hz - Plan #1	17,101.5	16,156.8	427.3	191.9	1.815	SF
WILLIAM H PELTIER 1 (EXISTING) - VESSELS WELL - S						Out of range
WILLIAM H PELTIER 2 (EXISTING) - ENCANA WELL - S	17,965.6	7,840.0	199.8	157.4	4.717	CC, ES, SF
WILLIAM PELTIER 11-20 (EXISTING) - ENCANA WELL						Out of range
WILLIAM PELTIER 12-20 (EXISTING) - ENCANA WELL						Out of range

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
(ft) (ft) (ft) (ft)						
S29-T1N-R68W (Pratt/Waste Connections)						
WILLIAM PELTIER 1A-20H (EXISTING) - ENCANA WEL	16,998.2	10,889.3	359.6	315.3	8.116	CC
WILLIAM PELTIER 1A-20H (EXISTING) - ENCANA WEL	17,000.0	10,888.9	359.6	315.3	8.115	ES, SF
WILLIAM PELTIER 2-0-20 (EXISTING) - ENCANA WELL	17,982.4	8,260.3	939.2	750.8	4.984	CC, ES, SF
WILLIAM PELTIER 22-20 (EXISTING) - ENCANA WELL	16,614.5	8,155.7	148.4	4.3	1.030	Level 2, CC, ES, SF
WILLIAM PELTIER 2-4-20 (EXISTING) - ENCANA WELL	15,833.0	8,054.0	601.0	465.5	4.437	CC, ES
WILLIAM PELTIER 2-4-20 (EXISTING) - ENCANA WELL	15,900.0	8,054.0	604.7	468.1	4.427	SF
WILLIAM PELTIER 4-2-20 (EXISTING) - ENCANA WELL	17,210.8	8,359.5	656.2	497.3	4.129	CC, ES
WILLIAM PELTIER 4-2-20 (EXISTING) - ENCANA WELL	17,300.0	8,359.5	662.3	501.8	4.127	SF

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN 14-20 (EXISTING) - ENCANA WELL - PLAN O													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
13,300.0	8,016.0	8,028.4	7,951.0	72.9	21.9	-90.00	4,433.3	-831.6	1,370.8	1,278.9	91.95	14.908		
13,400.0	8,016.0	8,028.4	7,951.0	74.6	21.9	-90.00	4,433.3	-831.6	1,327.0	1,233.0	94.00	14.118		
13,500.0	8,016.0	8,028.4	7,951.0	76.3	21.9	-90.00	4,433.3	-831.6	1,291.2	1,195.2	96.03	13.446		
13,600.0	8,016.0	8,028.4	7,951.0	78.0	21.9	-90.00	4,433.3	-831.6	1,263.9	1,165.9	98.03	12.893		
13,700.0	8,016.0	8,028.4	7,951.0	79.7	21.9	-90.00	4,433.3	-831.6	1,245.9	1,145.9	100.01	12.457		
13,800.0	8,016.0	8,028.4	7,951.0	81.4	21.9	-90.00	4,433.3	-831.6	1,237.4	1,135.4	101.97	12.135		
13,836.4	8,016.0	8,028.4	7,951.0	82.1	21.9	-90.00	4,433.3	-831.6	1,236.8	1,134.1	102.68	12.045 CC, ES		
13,900.0	8,016.0	8,028.4	7,951.0	83.1	21.9	-90.00	4,433.3	-831.6	1,238.7	1,134.8	103.90	11.922		
14,000.0	8,016.0	8,028.4	7,951.0	84.9	21.9	-90.00	4,433.3	-831.6	1,249.8	1,144.0	105.79	11.814		
14,100.0	8,016.0	8,028.4	7,951.0	86.6	21.9	-90.00	4,433.3	-831.6	1,269.4	1,161.9	107.51	11.807 SF		
14,200.0	8,016.0	8,028.4	7,951.0	88.3	21.9	-90.00	4,433.3	-831.6	1,296.4	1,187.2	109.24	11.868		
14,300.0	8,016.0	8,028.4	7,951.0	90.0	21.9	-90.00	4,433.3	-831.6	1,330.4	1,219.5	110.96	11.990		
14,400.0	8,016.0	8,028.4	7,951.0	91.7	21.9	-90.00	4,433.3	-831.6	1,370.9	1,258.2	112.69	12.166		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN 23-20 (EXISTING) - ENCANA WELL - PLAN O													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
13,800.0	8,016.0	8,041.5	7,951.0	81.4	23.1	90.00	5,755.6	487.2	1,343.2	1,247.0	96.15	13.969		
13,900.0	8,016.0	8,041.5	7,951.0	83.1	23.1	90.00	5,755.6	487.2	1,243.5	1,145.4	98.13	12.672		
14,000.0	8,016.0	8,041.5	7,951.0	84.9	23.1	90.00	5,755.6	487.2	1,143.7	1,043.6	100.06	11.430		
14,100.0	8,016.0	8,041.5	7,951.0	86.6	23.1	90.00	5,755.6	487.2	1,043.9	942.1	101.78	10.256		
14,200.0	8,016.0	8,041.5	7,951.0	88.3	23.1	90.00	5,755.6	487.2	944.1	840.6	103.51	9.121		
14,300.0	8,016.0	8,041.5	7,951.0	90.0	23.1	90.00	5,755.6	487.2	844.4	739.2	105.23	8.024		
14,400.0	8,016.0	8,041.5	7,951.0	91.7	23.1	90.00	5,755.6	487.2	744.8	637.8	106.96	6.963		
14,500.0	8,016.0	8,041.5	7,951.0	93.5	23.1	90.00	5,755.6	487.2	645.3	536.6	108.68	5.937		
14,600.0	8,016.0	8,041.5	7,951.0	95.2	23.1	90.00	5,755.6	487.2	545.9	435.5	110.41	4.945		
14,700.0	8,016.0	8,041.5	7,951.0	96.9	23.1	90.00	5,755.6	487.2	446.9	334.8	112.14	3.985		
14,800.0	8,016.0	8,041.5	7,951.0	98.6	23.1	90.00	5,755.6	487.2	348.4	234.5	113.87	3.060		
14,900.0	8,016.0	8,041.5	7,951.0	100.4	23.1	90.00	5,755.6	487.2	251.1	135.5	115.60	2.172		
15,000.0	8,016.0	8,041.5	7,951.0	102.1	23.1	90.00	5,755.6	487.2	157.3	39.9	117.33	1.340	Level 3	
15,100.0	8,016.0	8,041.5	7,951.0	103.8	23.1	90.00	5,755.6	487.2	80.0	-39.0	119.06	0.672	Level 1	
15,141.6	8,016.0	8,041.5	7,951.0	104.5	23.1	90.00	5,755.6	487.2	68.3	-51.5	119.78	0.570	Level 1, CC, ES, SF	
15,200.0	8,016.0	8,041.5	7,951.0	105.5	23.1	90.00	5,755.6	487.2	89.9	-30.9	120.79	0.744	Level 1	
15,300.0	8,016.0	8,041.5	7,951.0	107.3	23.1	90.00	5,755.6	487.2	172.5	49.9	122.53	1.408	Level 3	
15,400.0	8,016.0	8,041.5	7,951.0	109.0	23.1	90.00	5,755.6	487.2	267.2	143.0	124.26	2.151		
15,500.0	8,016.0	8,041.5	7,951.0	110.7	23.1	90.00	5,755.6	487.2	364.8	238.8	125.99	2.895		
15,600.0	8,016.0	8,041.5	7,951.0	112.5	23.1	90.00	5,755.6	487.2	463.4	335.7	127.73	3.628		
15,700.0	8,016.0	8,041.5	7,951.0	114.2	23.1	90.00	5,755.6	487.2	562.5	433.1	129.46	4.345		
15,800.0	8,016.0	8,041.5	7,951.0	115.9	23.1	90.00	5,755.6	487.2	661.9	530.7	131.20	5.045		
15,900.0	8,016.0	8,041.5	7,951.0	117.7	23.1	90.00	5,755.6	487.2	761.4	628.5	132.94	5.728		
16,000.0	8,016.0	8,041.5	7,951.0	119.4	23.1	90.00	5,755.6	487.2	861.1	726.4	134.68	6.394		
16,100.0	8,016.0	8,041.5	7,951.0	121.1	23.1	90.00	5,755.6	487.2	960.8	824.4	136.41	7.043		
16,200.0	8,016.0	8,041.5	7,951.0	122.9	23.1	90.00	5,755.6	487.2	1,060.6	922.4	138.15	7.677		
16,300.0	8,016.0	8,041.5	7,951.0	124.6	23.1	90.00	5,755.6	487.2	1,160.4	1,020.5	139.89	8.295		
16,400.0	8,016.0	8,041.5	7,951.0	126.3	23.1	90.00	5,755.6	487.2	1,260.2	1,118.6	141.63	8.898		
16,500.0	8,016.0	8,041.5	7,951.0	128.1	23.1	90.00	5,755.6	487.2	1,360.1	1,216.7	143.37	9.487		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN 24-20 (EXISTING) - ENCANA WELL - ENCAN													Offset Site Error:	0.0 ft
Survey Program: 1173-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)						
12,500.0	8,016.0	8,169.0	7,941.6	59.7	28.0	86.11	4,472.9	519.8	1,350.7	1,270.4	80.29	16.823		
12,600.0	8,016.0	8,169.6	7,942.2	61.4	28.0	86.32	4,472.9	519.8	1,251.4	1,169.4	81.99	15.264		
12,700.0	8,016.0	8,170.1	7,942.8	63.0	28.0	86.54	4,472.9	519.8	1,152.2	1,068.5	83.69	13.768		
12,800.0	8,016.0	8,170.7	7,943.3	64.6	28.0	86.75	4,472.9	519.8	1,053.2	967.8	85.39	12.333		
12,900.0	8,016.0	8,171.3	7,943.9	66.3	28.0	86.96	4,472.9	519.8	954.3	867.2	87.10	10.956		
13,000.0	8,016.0	8,171.8	7,944.5	67.9	28.0	87.18	4,472.9	519.8	855.8	767.0	88.82	9.635		
13,100.0	8,016.0	8,172.4	7,945.1	69.6	28.0	87.39	4,472.9	519.8	757.6	667.1	90.53	8.368		
13,200.0	8,016.0	8,173.0	7,945.6	71.3	28.0	87.60	4,472.9	519.8	660.0	567.7	92.25	7.154		
13,300.0	8,016.0	8,173.6	7,946.2	72.9	28.0	87.66	4,472.9	519.9	562.9	468.9	94.00	5.988		
13,400.0	8,016.0	8,174.2	7,946.8	74.6	28.0	87.78	4,472.9	519.9	466.5	370.8	95.74	4.873		
13,500.0	8,016.0	8,174.8	7,947.5	76.3	28.0	87.95	4,473.0	519.9	371.5	274.0	97.45	3.812		
13,600.0	8,016.0	8,175.5	7,948.2	78.0	28.0	88.19	4,473.0	519.9	279.1	180.0	99.14	2.815		
13,700.0	8,016.0	8,176.2	7,948.9	79.7	28.0	88.48	4,473.0	519.9	193.3	92.5	100.82	1.918		
13,800.0	8,016.0	8,177.0	7,949.6	81.4	28.0	88.82	4,473.0	519.9	128.2	25.8	102.46	1.251 Level 3		
13,856.8	8,016.0	8,177.4	7,950.1	82.4	28.0	89.04	4,473.0	519.9	115.2	11.8	103.39	1.115 Level 2, CC, ES, SF		
13,900.0	8,016.0	8,177.8	7,950.4	83.1	28.0	89.20	4,473.0	519.9	122.9	18.8	104.09	1.181 Level 2		
14,000.0	8,016.0	8,178.6	7,951.2	84.9	28.0	89.61	4,473.0	519.9	182.7	77.0	105.70	1.728		
14,100.0	8,016.0	8,179.4	7,952.0	86.6	28.0	90.00	4,473.0	520.0	267.3	159.9	107.42	2.489		
14,200.0	8,016.0	8,180.2	7,952.8	88.3	28.0	90.40	4,473.0	520.0	359.9	250.8	109.13	3.298		
14,300.0	8,016.0	8,181.0	7,953.6	90.0	28.0	90.80	4,473.0	520.0	455.7	344.8	110.84	4.111		
14,400.0	8,016.0	8,181.8	7,954.4	91.7	28.0	91.20	4,473.0	520.0	552.9	440.4	112.55	4.913		
14,500.0	8,016.0	8,182.6	7,955.3	93.5	28.0	91.60	4,473.0	520.0	651.0	536.8	114.25	5.698		
14,600.0	8,016.0	8,183.4	7,956.1	95.2	28.0	92.00	4,473.0	520.0	749.6	633.7	115.95	6.465		
14,700.0	8,016.0	8,184.2	7,956.9	96.9	28.0	92.39	4,473.0	520.0	848.5	730.9	117.64	7.213		
14,800.0	8,016.0	8,185.1	7,957.7	98.6	28.1	92.79	4,473.0	520.0	947.7	828.3	119.33	7.942		
14,900.0	8,016.0	8,185.9	7,958.5	100.4	28.1	93.19	4,473.0	520.1	1,047.0	926.0	121.01	8.652		
15,000.0	8,016.0	8,186.7	7,959.3	102.1	28.1	93.58	4,473.0	520.1	1,146.4	1,023.7	122.69	9.344		
15,100.0	8,016.0	8,187.5	7,960.1	103.8	28.1	93.98	4,473.1	520.1	1,245.9	1,121.6	124.36	10.019		
15,200.0	8,016.0	8,188.3	7,960.9	105.5	28.1	94.38	4,473.1	520.1	1,345.5	1,219.5	126.02	10.677		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN 33-20 (EXISTING) - ENCANA WELL - ENCAN													Offset Site Error: 0.0 ft
Survey Program: 949-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
14,800.0	8,016.0	8,296.0	8,098.7	98.6	28.7	90.71	5,774.3	1,764.8	1,397.3	1,275.7	121.56	11.494	
14,900.0	8,016.0	8,294.7	8,097.4	100.4	28.7	90.66	5,774.4	1,764.8	1,373.7	1,250.4	123.29	11.142	
15,000.0	8,016.0	8,293.4	8,096.1	102.1	28.7	90.60	5,774.4	1,764.8	1,357.2	1,232.2	125.02	10.856	
15,100.0	8,016.0	8,292.1	8,094.8	103.8	28.7	90.54	5,774.4	1,764.8	1,347.9	1,221.1	126.75	10.634	
15,176.1	8,016.0	8,291.1	8,093.8	105.1	28.7	90.50	5,774.4	1,764.8	1,345.7	1,217.6	128.07	10.508 CC	
15,200.0	8,016.0	8,290.8	8,093.5	105.5	28.7	90.49	5,774.4	1,764.9	1,345.9	1,217.4	128.48	10.476 ES	
15,300.0	8,016.0	8,289.5	8,092.2	107.3	28.7	90.43	5,774.4	1,764.9	1,351.4	1,221.2	130.22	10.378	
15,400.0	8,016.0	8,288.2	8,090.9	109.0	28.7	90.38	5,774.4	1,764.9	1,364.2	1,232.3	131.95	10.339 SF	
15,500.0	8,016.0	8,286.9	8,089.6	110.7	28.7	90.32	5,774.5	1,764.9	1,384.2	1,250.5	133.68	10.354	



## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN 34-20 (EXISTING) - ENCANA WELL - SURVE													Offset Site Error:	0.0 ft
Survey Program: 78-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		
13,500.0	8,016.0	7,705.0	7,567.5	76.3	23.5	68.39	4,383.9	1,684.3	1,388.8	1,305.0	83.88	16.557		
13,600.0	8,016.0	7,705.0	7,567.5	78.0	23.5	68.35	4,383.9	1,684.3	1,379.0	1,293.2	85.76	16.080		
13,700.0	8,016.0	7,705.0	7,567.5	79.7	23.5	68.33	4,383.9	1,684.3	1,374.7	1,287.1	87.63	15.687		
13,725.7	8,016.0	7,705.0	7,567.5	80.2	23.5	68.33	4,383.9	1,684.3	1,374.5	1,286.4	88.11	15.600 CC, ES		
13,800.0	8,016.0	7,705.0	7,567.5	81.4	23.5	68.34	4,383.9	1,684.3	1,376.1	1,286.6	89.50	15.375		
13,900.0	8,016.0	7,705.0	7,567.5	83.1	23.5	68.37	4,383.9	1,684.3	1,383.1	1,291.7	91.37	15.138		
14,000.0	8,016.0	7,705.0	7,567.5	84.9	23.5	68.41	4,383.9	1,684.3	1,395.6	1,302.4	93.20	14.974 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN 4-6-20 (EXISTING) - ENCANA WELL - PLAN													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
13,300.0	8,016.0	8,170.4	7,950.0	72.9	32.3	90.00	5,085.4	1,086.5	1,337.1	1,249.2	87.91	15.211		
13,400.0	8,016.0	8,170.4	7,950.0	74.6	32.3	90.00	5,085.4	1,086.5	1,256.2	1,166.6	89.62	14.018		
13,500.0	8,016.0	8,170.4	7,950.0	76.3	32.3	90.00	5,085.4	1,086.5	1,177.2	1,085.8	91.31	12.891		
13,600.0	8,016.0	8,170.4	7,950.0	78.0	32.3	90.00	5,085.4	1,086.5	1,100.3	1,007.3	93.00	11.831		
13,700.0	8,016.0	8,170.4	7,950.0	79.7	32.3	90.00	5,085.4	1,086.5	1,026.2	931.5	94.69	10.838		
13,800.0	8,016.0	8,170.4	7,950.0	81.4	32.3	90.00	5,085.4	1,086.5	955.6	859.2	96.36	9.917		
13,900.0	8,016.0	8,170.4	7,950.0	83.1	32.3	90.00	5,085.4	1,086.5	889.2	791.2	98.02	9.072		
14,000.0	8,016.0	8,170.4	7,950.0	84.9	32.3	90.00	5,085.4	1,086.5	828.2	728.5	99.69	8.308		
14,100.0	8,016.0	8,170.4	7,950.0	86.6	32.3	90.00	5,085.4	1,086.5	774.7	673.3	101.41	7.639		
14,200.0	8,016.0	8,170.4	7,950.0	88.3	32.3	90.00	5,085.4	1,086.5	731.0	627.9	103.13	7.088		
14,300.0	8,016.0	8,170.4	7,950.0	90.0	32.3	90.00	5,085.4	1,086.5	699.0	594.2	104.85	6.666		
14,400.0	8,016.0	8,170.4	7,950.0	91.7	32.3	90.00	5,085.4	1,086.5	680.3	573.8	106.58	6.383		
14,478.8	8,016.0	8,170.4	7,950.0	93.1	32.3	90.00	5,085.4	1,086.5	675.8	567.8	107.94	6.260 CC		
14,500.0	8,016.0	8,170.4	7,950.0	93.5	32.3	90.00	5,085.4	1,086.5	676.1	567.8	108.31	6.242 ES		
14,600.0	8,016.0	8,170.4	7,950.0	95.2	32.3	90.00	5,085.4	1,086.5	686.5	576.5	110.03	6.239 SF		
14,700.0	8,016.0	8,170.4	7,950.0	96.9	32.3	90.00	5,085.4	1,086.5	711.0	599.3	111.76	6.362		
14,800.0	8,016.0	8,170.4	7,950.0	98.6	32.3	90.00	5,085.4	1,086.5	748.2	634.7	113.49	6.593		
14,900.0	8,016.0	8,170.4	7,950.0	100.4	32.3	90.00	5,085.4	1,086.5	796.3	681.0	115.22	6.911		
15,000.0	8,016.0	8,170.4	7,950.0	102.1	32.3	90.00	5,085.4	1,086.5	853.4	736.4	116.95	7.297		
15,100.0	8,016.0	8,170.4	7,950.0	103.8	32.3	90.00	5,085.4	1,086.5	917.9	799.2	118.68	7.734		
15,200.0	8,016.0	8,170.4	7,950.0	105.5	32.3	90.00	5,085.4	1,086.5	988.3	867.9	120.42	8.207		
15,300.0	8,016.0	8,170.4	7,950.0	107.3	32.3	90.00	5,085.4	1,086.5	1,063.5	941.3	122.15	8.706		
15,400.0	8,016.0	8,170.4	7,950.0	109.0	32.3	90.00	5,085.4	1,086.5	1,142.5	1,018.6	123.88	9.222		
15,500.0	8,016.0	8,170.4	7,950.0	110.7	32.3	90.00	5,085.4	1,086.5	1,224.5	1,098.9	125.62	9.748		
15,600.0	8,016.0	8,170.4	7,950.0	112.5	32.3	90.00	5,085.4	1,086.5	1,309.1	1,181.7	127.35	10.279		
15,700.0	8,016.0	8,170.4	7,950.0	114.2	32.3	90.00	5,085.4	1,086.5	1,395.7	1,266.6	129.09	10.812		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN E UNIT 1 (EXISTING) - ENCANA WELL - NO													Offset Site Error:	0.0 ft
Survey Program: 8446-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		
13,700.0	8,016.0	7,940.0	7,940.0	79.7	13.9	-90.00	5,324.3	-505.4	1,361.7	1,268.8	92.93	14.653		
13,800.0	8,016.0	7,940.0	7,940.0	81.4	13.9	-90.00	5,324.3	-505.4	1,287.3	1,192.5	94.81	13.578		
13,900.0	8,016.0	7,940.0	7,940.0	83.1	13.9	-90.00	5,324.3	-505.4	1,217.8	1,121.1	96.66	12.598		
14,000.0	8,016.0	7,940.0	7,940.0	84.9	13.9	-90.00	5,324.3	-505.4	1,154.1	1,055.6	98.48	11.719		
14,100.0	8,016.0	7,940.0	7,940.0	86.6	13.9	-90.00	5,324.3	-505.4	1,096.5	996.3	100.21	10.943		
14,200.0	8,016.0	7,940.0	7,940.0	88.3	13.9	-90.00	5,324.3	-505.4	1,045.3	943.4	101.93	10.256		
14,300.0	8,016.0	7,940.0	7,940.0	90.0	13.9	-90.00	5,324.3	-505.4	1,001.5	897.9	103.65	9.662		
14,400.0	8,016.0	7,940.0	7,940.0	91.7	13.9	-90.00	5,324.3	-505.4	966.1	860.8	105.38	9.168		
14,500.0	8,016.0	7,940.0	7,940.0	93.5	13.9	-90.00	5,324.3	-505.4	940.1	833.0	107.10	8.777		
14,600.0	8,016.0	7,940.0	7,940.0	95.2	13.9	-90.00	5,324.3	-505.4	924.2	815.3	108.83	8.492		
14,698.3	8,016.0	7,940.0	7,940.0	96.9	13.9	-90.00	5,324.3	-505.4	918.9	808.4	110.53	8.314 CC		
14,700.0	8,016.0	7,940.0	7,940.0	96.9	13.9	-90.00	5,324.3	-505.4	918.9	808.4	110.56	8.312 ES		
14,800.0	8,016.0	7,940.0	7,940.0	98.6	13.9	-90.00	5,324.3	-505.4	924.6	812.3	112.29	8.234 SF		
14,900.0	8,016.0	7,940.0	7,940.0	100.4	13.9	-90.00	5,324.3	-505.4	940.8	826.8	114.02	8.252		
15,000.0	8,016.0	7,940.0	7,940.0	102.1	13.9	-90.00	5,324.3	-505.4	967.2	851.5	115.75	8.356		
15,100.0	8,016.0	7,940.0	7,940.0	103.8	13.9	-90.00	5,324.3	-505.4	1,002.9	885.4	117.48	8.537		
15,200.0	8,016.0	7,940.0	7,940.0	105.5	13.9	-90.00	5,324.3	-505.4	1,047.0	927.8	119.21	8.783		
15,300.0	8,016.0	7,940.0	7,940.0	107.3	13.9	-90.00	5,324.3	-505.4	1,098.4	977.5	120.95	9.082		
15,400.0	8,016.0	7,940.0	7,940.0	109.0	13.9	-90.00	5,324.3	-505.4	1,156.2	1,033.6	122.68	9.425		
15,500.0	8,016.0	7,940.0	7,940.0	110.7	13.9	-90.00	5,324.3	-505.4	1,219.5	1,095.1	124.42	9.802		
15,600.0	8,016.0	7,940.0	7,940.0	112.5	13.9	-90.00	5,324.3	-505.4	1,287.5	1,161.3	126.15	10.206		
15,700.0	8,016.0	7,940.0	7,940.0	114.2	13.9	-90.00	5,324.3	-505.4	1,359.4	1,231.5	127.89	10.630		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - COSTIGAN H UNIT 1 (EXISTING) - VESSELS WELL - NO													Offset Site Error:	0.0 ft
Survey Program: 8400-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		
13,100.0	8,016.0	7,982.0	7,982.0	69.6	13.9	-90.00	4,727.3	-472.4	1,375.8	1,294.2	81.61	16.859		
13,200.0	8,016.0	7,982.0	7,982.0	71.3	13.9	-90.00	4,727.3	-472.4	1,295.7	1,212.4	83.33	15.550		
13,300.0	8,016.0	7,982.0	7,982.0	72.9	13.9	-90.00	4,727.3	-472.4	1,219.3	1,134.0	85.30	14.294		
13,400.0	8,016.0	7,982.0	7,982.0	74.6	13.9	-90.00	4,727.3	-472.4	1,147.6	1,060.4	87.25	13.153		
13,500.0	8,016.0	7,982.0	7,982.0	76.3	13.9	-90.00	4,727.3	-472.4	1,081.9	992.7	89.19	12.130		
13,600.0	8,016.0	7,982.0	7,982.0	78.0	13.9	-90.00	4,727.3	-472.4	1,023.1	932.0	91.11	11.230		
13,700.0	8,016.0	7,982.0	7,982.0	79.7	13.9	-90.00	4,727.3	-472.4	972.7	879.7	93.00	10.459		
13,800.0	8,016.0	7,982.0	7,982.0	81.4	13.9	-90.00	4,727.3	-472.4	931.9	837.0	94.88	9.822		
13,900.0	8,016.0	7,982.0	7,982.0	83.1	13.9	-90.00	4,727.3	-472.4	902.2	805.4	96.73	9.326		
14,000.0	8,016.0	7,982.0	7,982.0	84.9	13.9	-90.00	4,727.3	-472.4	884.5	785.9	98.56	8.974		
14,100.0	8,016.0	7,982.0	7,982.0	86.6	13.9	-90.00	4,727.3	-472.4	878.6	778.3	100.28	8.762		
14,101.7	8,016.0	7,982.0	7,982.0	86.6	13.9	-90.00	4,727.3	-472.4	878.6	778.3	100.31	8.759 CC, ES		
14,200.0	8,016.0	7,982.0	7,982.0	88.3	13.9	-90.00	4,727.3	-472.4	884.1	782.1	102.00	8.668 SF		
14,300.0	8,016.0	7,982.0	7,982.0	90.0	13.9	-90.00	4,727.3	-472.4	900.7	797.0	103.73	8.684		
14,400.0	8,016.0	7,982.0	7,982.0	91.7	13.9	-90.00	4,727.3	-472.4	927.9	822.4	105.45	8.799		
14,500.0	8,016.0	7,982.0	7,982.0	93.5	13.9	-90.00	4,727.3	-472.4	964.7	857.5	107.18	9.001		
14,600.0	8,016.0	7,982.0	7,982.0	95.2	13.9	-90.00	4,727.3	-472.4	1,010.1	901.2	108.90	9.275		
14,700.0	8,016.0	7,982.0	7,982.0	96.9	13.9	-90.00	4,727.3	-472.4	1,063.0	952.4	110.63	9.608		
14,800.0	8,016.0	7,982.0	7,982.0	98.6	13.9	-90.00	4,727.3	-472.4	1,122.3	1,010.0	112.36	9.989		
14,900.0	8,016.0	7,982.0	7,982.0	100.4	13.9	-90.00	4,727.3	-472.4	1,187.2	1,073.1	114.09	10.405		
15,000.0	8,016.0	7,982.0	7,982.0	102.1	13.9	-90.00	4,727.3	-472.4	1,256.6	1,140.8	115.82	10.849		
15,100.0	8,016.0	7,982.0	7,982.0	103.8	13.9	-90.00	4,727.3	-472.4	1,329.9	1,212.4	117.55	11.313		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 1 (EXISTING) - SYNERGY WELL - NO SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 8070-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	39.69	516.6	428.8	671.4						
100.0	100.0	89.0	89.0	0.2	0.2	39.69	516.6	428.8	671.4	671.1	0.31	2,184.162			
200.0	200.0	189.0	189.0	0.3	0.3	39.69	516.6	428.8	671.4	670.7	0.66	1,022.728			
300.0	300.0	289.0	289.0	0.5	0.5	39.69	516.6	428.8	671.4	670.4	1.01	667.685			
400.0	400.0	389.0	389.0	0.7	0.7	-122.36	516.6	428.8	671.8	670.5	1.36	495.808			
500.0	500.0	489.0	489.0	0.9	0.9	-122.54	516.6	428.8	673.2	671.5	1.71	394.423			
600.0	599.9	588.9	588.9	1.0	1.0	-122.83	516.6	428.8	675.6	673.5	2.06	327.405			
700.0	699.7	688.7	688.7	1.2	1.2	-123.24	516.6	428.8	678.9	676.5	2.43	279.730			
800.0	799.4	788.4	788.4	1.4	1.4	-123.75	516.6	428.8	683.3	680.5	2.80	244.050			
900.0	898.9	887.9	887.9	1.7	1.5	-124.37	516.6	428.8	688.6	685.5	3.18	216.359			
1,000.0	998.3	987.3	987.3	1.9	1.7	-125.08	516.6	428.8	695.1	691.5	3.58	194.287			
1,100.0	1,097.4	1,086.4	1,086.4	2.2	1.9	-125.88	516.6	428.8	702.7	698.8	3.99	176.344			
1,200.0	1,196.3	1,185.3	1,185.3	2.5	2.1	-126.77	516.6	428.8	711.6	707.2	4.40	161.543			
1,300.0	1,294.9	1,283.9	1,283.9	2.8	2.2	-127.73	516.6	428.8	721.6	716.8	4.84	149.203			
1,400.0	1,393.3	1,382.3	1,382.3	3.1	2.4	-128.76	516.6	428.8	733.0	727.8	5.28	138.834			
1,500.0	1,491.2	1,480.2	1,480.2	3.5	2.6	-129.84	516.6	428.8	745.8	740.1	5.73	130.077			
1,600.0	1,588.9	1,577.9	1,577.9	3.9	2.8	-130.97	516.6	428.8	760.0	753.8	6.20	122.657			
1,700.0	1,686.1	1,675.1	1,675.1	4.3	2.9	-132.15	516.6	428.8	775.7	769.1	6.66	116.395			
1,800.0	1,783.2	1,772.2	1,772.2	4.8	3.1	-133.41	516.6	428.8	792.2	785.1	7.13	111.123			
1,900.0	1,880.3	1,869.3	1,869.3	5.2	3.3	-134.62	516.6	428.8	809.0	801.4	7.59	106.625			
2,000.0	1,977.5	1,966.5	1,966.5	5.6	3.4	-135.78	516.6	428.8	826.2	818.2	8.04	102.762			
2,100.0	2,074.6	2,063.6	2,063.6	6.1	3.6	-136.90	516.6	428.8	843.7	835.2	8.49	99.425			
2,200.0	2,171.7	2,160.7	2,160.7	6.5	3.8	-137.97	516.6	428.8	861.5	852.6	8.93	96.524			
2,300.0	2,268.8	2,257.8	2,257.8	6.9	3.9	-139.00	516.6	428.8	879.6	870.2	9.36	93.990			
2,400.0	2,365.9	2,354.9	2,354.9	7.4	4.1	-139.98	516.6	428.8	897.9	888.2	9.79	91.765			
2,500.0	2,463.0	2,452.0	2,452.0	7.8	4.3	-140.93	516.6	428.8	916.6	906.4	10.21	89.803			
2,600.0	2,560.1	2,549.1	2,549.1	8.3	4.4	-141.84	516.6	428.8	935.4	924.8	10.62	88.067			
2,700.0	2,657.3	2,646.3	2,646.3	8.7	4.6	-142.72	516.6	428.8	954.5	943.4	11.03	86.524			
2,800.0	2,754.4	2,743.4	2,743.4	9.2	4.8	-143.56	516.6	428.8	973.8	962.3	11.44	85.148			
2,900.0	2,851.5	2,840.5	2,840.5	9.6	5.0	-144.37	516.6	428.8	993.2	981.4	11.84	83.919			
3,000.0	2,948.6	2,937.6	2,937.6	10.1	5.1	-145.15	516.6	428.8	1,012.9	1,000.7	12.23	82.816			
3,100.0	3,045.7	3,034.7	3,034.7	10.5	5.3	-145.90	516.6	428.8	1,032.8	1,020.1	12.62	81.824			
3,200.0	3,142.8	3,131.8	3,131.8	11.0	5.5	-146.62	516.6	428.8	1,052.8	1,039.8	13.01	80.931			
3,300.0	3,239.9	3,228.9	3,228.9	11.4	5.6	-147.31	516.6	428.8	1,072.9	1,059.5	13.39	80.123			
3,400.0	3,337.0	3,326.0	3,326.0	11.9	5.8	-147.98	516.6	428.8	1,093.3	1,079.5	13.77	79.392			
3,500.0	3,434.2	3,423.2	3,423.2	12.3	6.0	-148.63	516.6	428.8	1,113.7	1,099.6	14.15	78.730			
3,600.0	3,531.3	3,520.3	3,520.3	12.8	6.1	-149.25	516.6	428.8	1,134.3	1,119.8	14.52	78.127			
3,700.0	3,628.4	3,617.4	3,617.4	13.2	6.3	-149.85	516.6	428.8	1,155.0	1,140.1	14.89	77.579			
3,800.0	3,725.5	3,714.5	3,714.5	13.7	6.5	-150.43	516.6	428.8	1,175.9	1,160.6	15.26	77.079			
3,900.0	3,822.6	3,811.6	3,811.6	14.1	6.7	-150.15	516.6	428.8	1,196.8	1,181.2	15.63	76.587			
4,000.0	3,919.8	3,908.8	3,908.8	14.5	6.8	-146.48	516.6	428.8	1,217.2	1,201.1	16.03	75.912			
4,100.0	4,016.9	4,005.9	4,005.9	15.0	7.0	-142.86	516.6	428.8	1,236.7	1,220.3	16.44	75.203			
4,200.0	4,114.0	4,103.0	4,103.0	15.4	7.2	-140.39	516.6	428.8	1,255.5	1,238.6	16.85	74.514			
4,300.0	4,211.1	4,200.1	4,200.1	15.9	7.3	-141.06	516.6	428.8	1,274.1	1,256.9	17.23	73.962			
4,400.0	4,308.3	4,297.3	4,297.3	16.3	7.5	-141.72	516.6	428.8	1,293.0	1,275.4	17.60	73.455			
4,500.0	4,405.4	4,394.4	4,394.4	16.8	7.7	-142.36	516.6	428.8	1,312.0	1,294.0	17.97	72.990			
4,600.0	4,502.5	4,491.5	4,491.5	17.2	7.8	-142.98	516.6	428.8	1,331.1	1,312.8	18.34	72.561			
4,700.0	4,599.6	4,588.6	4,588.6	17.7	8.0	-143.58	516.6	428.8	1,350.4	1,331.7	18.71	72.167			
4,800.0	4,696.7	4,685.7	4,685.7	18.1	8.2	-144.17	516.6	428.8	1,369.9	1,350.8	19.08	71.804			
4,900.0	4,793.8	4,782.8	4,782.8	18.6	8.3	-144.74	516.6	428.8	1,389.5	1,370.0	19.44	71.469			
8,600.0	8,016.0	8,005.0	8,005.0	23.5	14.0	-90.00	516.6	428.8	1,318.6	1,284.3	34.28	38.469			
8,700.0	8,016.0	8,005.0	8,005.0	22.7	14.0	-90.00	516.6	428.8	1,220.2	1,186.9	33.28	36.662			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 1 (EXISTING) - SYNERGY WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8070-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
8,800.0	8,016.0	8,005.0	8,005.0	21.9	14.0	-90.00	516.6	428.8	1,122.1	1,089.7	32.40	34.629		
8,900.0	8,016.0	8,005.0	8,005.0	21.3	14.0	-90.00	516.6	428.8	1,024.4	992.8	31.66	32.361		
9,000.0	8,016.0	8,005.0	8,005.0	20.8	14.0	-90.00	516.6	428.8	927.2	896.1	31.06	29.856		
9,100.0	8,016.0	8,005.0	8,005.0	20.5	14.0	-90.00	516.6	428.8	830.6	800.0	30.62	27.127		
9,200.0	8,016.0	8,005.0	8,005.0	20.2	14.0	-90.00	516.6	428.8	735.0	704.6	30.36	24.208		
9,300.0	8,016.0	8,005.0	8,005.0	20.2	14.0	-90.00	516.6	428.8	640.7	610.4	30.29	21.152		
9,400.0	8,016.0	8,005.0	8,005.0	20.3	14.0	-90.00	516.6	428.8	548.4	518.0	30.40	18.036		
9,500.0	8,016.0	8,005.0	8,005.0	20.5	14.0	-90.00	516.6	428.8	459.3	428.6	30.70	14.960		
9,600.0	8,016.0	8,005.0	8,005.0	20.9	14.0	-90.00	516.6	428.8	375.8	344.7	31.18	12.054		
9,700.0	8,016.0	8,005.0	8,005.0	21.4	14.0	-90.00	516.6	428.8	302.5	270.7	31.81	9.509		
9,800.0	8,016.0	8,005.0	8,005.0	22.1	14.0	-90.00	516.6	428.8	248.5	215.9	32.59	7.625		
9,898.7	8,016.0	8,005.0	8,005.0	22.8	14.0	-90.00	516.6	428.8	228.1	194.6	33.49	6.811 CC		
9,900.0	8,016.0	8,005.0	8,005.0	22.8	14.0	-90.00	516.6	428.8	228.1	194.6	33.50	6.809 ES, SF		
10,000.0	8,016.0	8,005.0	8,005.0	23.7	14.0	-90.00	516.6	428.8	249.6	215.1	34.52	7.231		
10,100.0	8,016.0	8,005.0	8,005.0	24.7	14.0	-90.00	516.6	428.8	304.2	268.6	35.63	8.539		
10,200.0	8,016.0	8,005.0	8,005.0	25.7	14.0	-90.00	516.6	428.8	377.9	341.1	36.82	10.263		
10,300.0	8,016.0	8,005.0	8,005.0	26.9	14.0	-90.00	516.6	428.8	461.6	423.5	38.08	12.121		
10,400.0	8,016.0	8,005.0	8,005.0	28.1	14.0	-90.00	516.6	428.8	550.8	511.4	39.40	13.978		
10,500.0	8,016.0	8,005.0	8,005.0	29.3	14.0	-90.00	516.6	428.8	643.1	602.3	40.77	15.773		
10,600.0	8,016.0	8,005.0	8,005.0	30.6	14.0	-90.00	516.6	428.8	737.5	695.3	42.18	17.482		
10,700.0	8,016.0	8,005.0	8,005.0	31.9	14.0	-90.00	516.6	428.8	833.1	789.5	43.63	19.094		
10,800.0	8,016.0	8,005.0	8,005.0	33.3	14.0	-90.00	516.6	428.8	929.7	884.6	45.11	20.608		
10,900.0	8,016.0	8,005.0	8,005.0	34.7	14.0	-90.00	516.6	428.8	1,027.0	980.3	46.62	22.027		
11,000.0	8,016.0	8,005.0	8,005.0	36.2	14.0	-90.00	516.6	428.8	1,124.7	1,076.5	48.15	23.356		
11,100.0	8,016.0	8,005.0	8,005.0	37.7	14.0	-90.00	516.6	428.8	1,222.8	1,173.1	49.71	24.600		
11,200.0	8,016.0	8,005.0	8,005.0	39.1	14.0	-90.00	516.6	428.8	1,321.1	1,269.9	51.28	25.765		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 12-29 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 72-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)				
11,100.0	8,016.0	8,265.6	8,001.5	37.7	31.1	-90.39	1,819.1	-768.6	1,386.6	1,320.1	66.56	20.834		
11,200.0	8,016.0	8,267.5	8,003.5	39.1	31.1	-90.48	1,819.1	-768.6	1,380.0	1,311.8	68.13	20.256		
11,242.2	8,016.0	8,268.4	8,004.3	39.8	31.1	-90.51	1,819.1	-768.6	1,379.3	1,310.5	68.80	20.049 CC, ES		
11,300.0	8,016.0	8,269.5	8,005.4	40.7	31.1	-90.56	1,819.1	-768.5	1,380.5	1,310.8	69.71	19.803		
11,400.0	8,016.0	8,271.5	8,007.4	42.2	31.2	-90.64	1,819.2	-768.5	1,388.3	1,317.0	71.31	19.468 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 2 (EXISTING) - SYNERGY WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8540-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	-143.70	-407.9	-299.7	506.3					
100.0	100.0	88.0	88.0	0.2	0.2	-143.70	-407.9	-299.7	506.2	505.9	0.31	1,656.222		
200.0	200.0	188.0	188.0	0.3	0.3	-143.70	-407.9	-299.7	506.2	505.5	0.65	773.174		
300.0	300.0	288.0	288.0	0.5	0.5	-143.70	-407.9	-299.7	506.2	505.2	1.00	504.297		
400.0	400.0	388.0	388.0	0.7	0.7	54.39	-407.9	-299.7	505.7	504.3	1.35	373.688		
500.0	500.0	488.0	488.0	0.9	0.9	54.64	-407.9	-299.7	504.2	502.5	1.70	295.718		
600.0	599.9	587.9	587.9	1.0	1.0	55.07	-407.9	-299.7	501.7	499.6	2.06	243.388		
700.0	699.7	687.7	687.7	1.2	1.2	55.67	-407.9	-299.7	498.2	495.8	2.42	205.468		
800.0	799.4	787.4	787.4	1.4	1.4	56.46	-407.9	-299.7	493.8	491.0	2.80	176.467		
900.0	898.9	886.9	886.9	1.7	1.5	57.44	-407.9	-299.7	488.5	485.4	3.18	153.390		
1,000.0	998.3	986.3	986.3	1.9	1.7	58.61	-407.9	-299.7	482.5	478.9	3.59	134.472		
1,100.0	1,097.4	1,085.4	1,085.4	2.2	1.9	60.01	-407.9	-299.7	475.8	471.8	4.01	118.612		
1,200.0	1,196.3	1,184.3	1,184.3	2.5	2.1	61.62	-407.9	-299.7	468.5	464.1	4.46	105.094		
1,300.0	1,294.9	1,282.9	1,282.9	2.8	2.2	63.48	-407.9	-299.7	460.9	455.9	4.93	93.436		
1,400.0	1,393.3	1,381.3	1,381.3	3.1	2.4	65.58	-407.9	-299.7	452.9	447.5	5.44	83.303		
1,500.0	1,491.2	1,479.2	1,479.2	3.5	2.6	67.96	-407.9	-299.7	444.9	438.9	5.98	74.462		
1,600.0	1,588.9	1,576.9	1,576.9	3.9	2.8	70.61	-407.9	-299.7	437.1	430.5	6.55	66.742		
1,700.0	1,686.1	1,674.1	1,674.1	4.3	2.9	73.52	-407.9	-299.7	429.7	422.6	7.16	60.056		
1,800.0	1,783.2	1,771.2	1,771.2	4.8	3.1	76.53	-407.9	-299.7	423.4	415.6	7.77	54.459		
1,900.0	1,880.3	1,868.3	1,868.3	5.2	3.3	79.62	-407.9	-299.7	418.3	409.9	8.40	49.796		
2,000.0	1,977.5	1,965.5	1,965.5	5.6	3.4	82.78	-407.9	-299.7	414.6	405.5	9.03	45.914		
2,100.0	2,074.6	2,062.6	2,062.6	6.1	3.6	85.97	-407.9	-299.7	412.2	402.5	9.66	42.689		
2,200.0	2,171.7	2,159.7	2,159.7	6.5	3.8	89.20	-407.9	-299.7	411.1	400.9	10.27	40.018		
2,224.9	2,195.9	2,183.9	2,183.9	6.6	3.8	90.00	-407.9	-299.7	411.1	400.7	10.43	39.428	CC	
2,300.0	2,268.8	2,256.8	2,256.8	6.9	3.9	92.42	-407.9	-299.7	411.5	400.6	10.88	37.818	ES	
2,400.0	2,365.9	2,353.9	2,353.9	7.4	4.1	95.63	-407.9	-299.7	413.2	401.7	11.47	36.019		
2,500.0	2,463.0	2,451.0	2,451.0	7.8	4.3	98.81	-407.9	-299.7	416.3	404.2	12.04	34.564		
2,600.0	2,560.1	2,548.1	2,548.1	8.3	4.4	101.93	-407.9	-299.7	420.7	408.1	12.60	33.402		
2,700.0	2,657.3	2,645.3	2,645.3	8.7	4.6	104.99	-407.9	-299.7	426.4	413.3	13.12	32.493		
2,800.0	2,754.4	2,742.4	2,742.4	9.2	4.8	107.96	-407.9	-299.7	433.4	419.7	13.63	31.801		
2,900.0	2,851.5	2,839.5	2,839.5	9.6	5.0	110.83	-407.9	-299.7	441.5	427.4	14.11	31.295		
3,000.0	2,948.6	2,936.6	2,936.6	10.1	5.1	113.59	-407.9	-299.7	450.7	436.2	14.56	30.948		
3,100.0	3,045.7	3,033.7	3,033.7	10.5	5.3	116.25	-407.9	-299.7	461.0	446.0	15.00	30.739		
3,200.0	3,142.8	3,130.8	3,130.8	11.0	5.5	118.79	-407.9	-299.7	472.3	456.9	15.41	30.647	SF	
3,300.0	3,239.9	3,227.9	3,227.9	11.4	5.6	121.21	-407.9	-299.7	484.5	468.7	15.80	30.656		
3,400.0	3,337.0	3,325.0	3,325.0	11.9	5.8	123.51	-407.9	-299.7	497.5	481.4	16.18	30.749		
3,500.0	3,434.2	3,422.2	3,422.2	12.3	6.0	125.70	-407.9	-299.7	511.4	494.8	16.54	30.915		
3,600.0	3,531.3	3,519.3	3,519.3	12.8	6.1	127.77	-407.9	-299.7	525.9	509.0	16.89	31.142		
3,700.0	3,628.4	3,616.4	3,616.4	13.2	6.3	129.73	-407.9	-299.7	541.1	523.9	17.22	31.421		
3,800.0	3,725.5	3,713.5	3,713.5	13.7	6.5	131.59	-407.9	-299.7	556.9	539.4	17.54	31.742		
3,900.0	3,822.6	3,810.6	3,810.6	14.1	6.7	134.18	-407.9	-299.7	573.3	555.4	17.85	32.111		
4,000.0	3,919.8	3,907.8	3,907.8	14.5	6.8	139.97	-407.9	-299.7	590.9	572.8	18.12	32.610		
4,100.0	4,016.9	4,004.9	4,004.9	15.0	7.0	145.57	-407.9	-299.7	610.0	591.6	18.37	33.198		
4,200.0	4,114.0	4,102.0	4,102.0	15.4	7.2	149.88	-407.9	-299.7	630.4	611.7	18.63	33.833		
4,300.0	4,211.1	4,199.1	4,199.1	15.9	7.3	150.92	-407.9	-299.7	651.3	632.3	18.92	34.419		
4,400.0	4,308.3	4,296.3	4,296.3	16.3	7.5	151.91	-407.9	-299.7	672.3	653.1	19.21	35.000		
4,500.0	4,405.4	4,393.4	4,393.4	16.8	7.7	152.83	-407.9	-299.7	693.6	674.1	19.50	35.575		
4,600.0	4,502.5	4,490.5	4,490.5	17.2	7.8	153.70	-407.9	-299.7	715.0	695.2	19.78	36.143		
4,700.0	4,599.6	4,587.6	4,587.6	17.7	8.0	154.51	-407.9	-299.7	736.6	716.5	20.07	36.703		
4,800.0	4,696.7	4,684.7	4,684.7	18.1	8.2	155.28	-407.9	-299.7	758.3	737.9	20.35	37.253		
4,900.0	4,793.8	4,781.8	4,781.8	18.6	8.3	156.01	-407.9	-299.7	780.1	759.4	20.64	37.794		
5,000.0	4,891.0	4,879.0	4,879.0	19.0	8.5	156.70	-407.9	-299.7	802.0	781.1	20.93	38.325		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 2 (EXISTING) - SYNERGY WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8540-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,100.0	4,988.1	4,976.1	4,976.1	19.5	8.7	157.36	-407.9	-299.7	824.1	802.9	21.21	38.846		
5,200.0	5,085.2	5,073.2	5,073.2	19.9	8.9	157.97	-407.9	-299.7	846.2	824.7	21.50	39.356		
5,300.0	5,182.3	5,170.3	5,170.3	20.3	9.0	158.56	-407.9	-299.7	868.5	846.7	21.79	39.855		
5,400.0	5,279.4	5,267.4	5,267.4	20.8	9.2	159.12	-407.9	-299.7	890.8	868.7	22.08	40.344		
5,500.0	5,376.5	5,364.5	5,364.5	21.2	9.4	159.65	-407.9	-299.7	913.2	890.8	22.37	40.822		
5,600.0	5,473.7	5,461.7	5,461.7	21.7	9.5	160.16	-407.9	-299.7	935.6	913.0	22.66	41.290		
5,700.0	5,570.8	5,558.8	5,558.8	22.1	9.7	160.64	-407.9	-299.7	958.2	935.2	22.95	41.746		
5,800.0	5,667.9	5,655.9	5,655.9	22.6	9.9	161.10	-407.9	-299.7	980.8	957.5	23.24	42.193		
5,900.0	5,765.0	5,753.0	5,753.0	23.0	10.0	161.54	-407.9	-299.7	1,003.4	979.9	23.54	42.629		
6,000.0	5,862.1	5,850.1	5,850.1	23.5	10.2	161.96	-407.9	-299.7	1,026.1	1,002.3	23.83	43.055		
6,100.0	5,959.2	5,947.2	5,947.2	23.9	10.4	162.36	-407.9	-299.7	1,048.9	1,024.7	24.13	43.470		
6,200.0	6,056.3	6,044.3	6,044.3	24.4	10.5	162.75	-407.9	-299.7	1,071.7	1,047.3	24.43	43.876		
6,300.0	6,153.5	6,141.5	6,141.5	24.8	10.7	163.12	-407.9	-299.7	1,094.5	1,069.8	24.72	44.273		
6,400.0	6,250.6	6,238.6	6,238.6	25.3	10.9	163.47	-407.9	-299.7	1,117.4	1,092.4	25.02	44.659		
6,500.0	6,347.7	6,335.7	6,335.7	25.7	11.1	163.81	-407.9	-299.7	1,140.3	1,115.0	25.32	45.037		
6,600.0	6,444.8	6,432.8	6,432.8	26.2	11.2	164.14	-407.9	-299.7	1,163.3	1,137.7	25.62	45.406		
6,700.0	6,541.9	6,529.9	6,529.9	26.6	11.4	164.45	-407.9	-299.7	1,186.3	1,160.4	25.92	45.766		
6,800.0	6,639.0	6,627.0	6,627.0	27.1	11.6	164.75	-407.9	-299.7	1,209.3	1,183.1	26.22	46.117		
6,900.0	6,736.2	6,724.2	6,724.2	27.5	11.7	165.05	-407.9	-299.7	1,232.4	1,205.9	26.53	46.460		
7,000.0	6,833.3	6,821.3	6,821.3	28.0	11.9	165.33	-407.9	-299.7	1,255.5	1,228.7	26.83	46.795		
7,100.0	6,930.4	6,918.4	6,918.4	28.4	12.1	165.60	-407.9	-299.7	1,278.6	1,251.5	27.13	47.122		
7,200.0	7,027.5	7,015.5	7,015.5	28.9	12.2	165.86	-407.9	-299.7	1,301.8	1,274.3	27.44	47.441		
7,300.0	7,124.6	7,112.6	7,112.6	29.3	12.4	166.11	-407.9	-299.7	1,324.9	1,297.2	27.75	47.753		
7,400.0	7,221.7	7,209.7	7,209.7	29.8	12.6	166.35	-407.9	-299.7	1,348.1	1,320.1	28.05	48.057		
7,500.0	7,318.9	7,306.9	7,306.9	30.3	12.8	166.59	-407.9	-299.7	1,371.3	1,343.0	28.36	48.354		
7,600.0	7,417.1	7,405.1	7,405.1	30.5	12.9	-155.56	-407.9	-299.7	1,389.3	1,360.7	28.64	48.510		
7,700.0	7,516.3	7,504.3	7,504.3	30.6	13.1	-85.25	-407.9	-299.7	1,394.4	1,365.4	29.01	48.070		
7,800.0	7,613.3	7,601.3	7,601.3	30.4	13.3	-64.67	-407.9	-299.7	1,386.6	1,357.1	29.50	47.009		
7,900.0	7,705.3	7,693.3	7,693.3	29.9	13.4	-60.08	-407.9	-299.7	1,366.9	1,336.6	30.23	45.221		
8,000.0	7,789.4	7,777.4	7,777.4	29.3	13.6	-60.75	-407.9	-299.7	1,336.4	1,305.1	31.31	42.687		
8,100.0	7,863.1	7,851.1	7,851.1	28.5	13.7	-64.29	-407.9	-299.7	1,297.4	1,264.6	32.72	39.647		
8,200.0	7,924.2	7,912.2	7,912.2	27.5	13.8	-69.70	-407.9	-299.7	1,252.1	1,217.9	34.21	36.595		
8,300.0	7,970.8	7,958.8	7,958.8	26.5	13.9	-76.16	-407.9	-299.7	1,203.4	1,168.1	35.34	34.054		
8,400.0	8,001.4	7,989.4	7,989.4	25.5	13.9	-82.73	-407.9	-299.7	1,154.3	1,118.6	35.71	32.324		
8,500.0	8,015.2	8,003.2	8,003.2	24.5	14.0	-88.52	-407.9	-299.7	1,107.7	1,072.4	35.28	31.399		
8,600.0	8,016.0	8,004.0	8,004.0	23.5	14.0	-90.00	-407.9	-299.7	1,066.3	1,032.1	34.27	31.112		
8,700.0	8,016.0	8,004.0	8,004.0	22.7	14.0	-90.00	-407.9	-299.7	1,033.0	999.7	33.28	31.038		
8,800.0	8,016.0	8,004.0	8,004.0	21.9	14.0	-90.00	-407.9	-299.7	1,008.5	976.1	32.40	31.123		
8,900.0	8,016.0	8,004.0	8,004.0	21.3	14.0	-90.00	-407.9	-299.7	993.5	961.8	31.65	31.385		
9,000.0	8,016.0	8,004.0	8,004.0	20.8	14.0	-90.00	-407.9	-299.7	988.4	957.3	31.05	31.828		
9,000.2	8,016.0	8,004.0	8,004.0	20.8	14.0	-90.00	-407.9	-299.7	988.4	957.3	31.05	31.829		
9,100.0	8,016.0	8,004.0	8,004.0	20.5	14.0	-90.00	-407.9	-299.7	993.4	962.8	30.62	32.445		
9,200.0	8,016.0	8,004.0	8,004.0	20.2	14.0	-90.00	-407.9	-299.7	1,008.4	978.0	30.36	33.215		
9,300.0	8,016.0	8,004.0	8,004.0	20.2	14.0	-90.00	-407.9	-299.7	1,032.9	1,002.6	30.29	34.103		
9,400.0	8,016.0	8,004.0	8,004.0	20.3	14.0	-90.00	-407.9	-299.7	1,066.2	1,035.8	30.40	35.069		
9,500.0	8,016.0	8,004.0	8,004.0	20.5	14.0	-90.00	-407.9	-299.7	1,107.6	1,076.9	30.70	36.075		
9,600.0	8,016.0	8,004.0	8,004.0	20.9	14.0	-90.00	-407.9	-299.7	1,156.2	1,125.0	31.18	37.084		
9,700.0	8,016.0	8,004.0	8,004.0	21.4	14.0	-90.00	-407.9	-299.7	1,211.1	1,179.3	31.81	38.069		
9,800.0	8,016.0	8,004.0	8,004.0	22.1	14.0	-90.00	-407.9	-299.7	1,271.5	1,238.9	32.59	39.012		
9,900.0	8,016.0	8,004.0	8,004.0	22.8	14.0	-90.00	-407.9	-299.7	1,336.7	1,303.2	33.50	39.902		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 2-0-29 (EXISTING) - ENCANA WELL - SURVEYS											Offset Site Error:		0.0 ft	
Survey Program: 41-MWD											Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
11,900.0	8,016.0	8,089.0	7,981.5	50.1	21.8	-90.20	3,684.9	-165.2	1,382.7	1,319.1	63.62	21.735		
12,000.0	8,016.0	8,090.0	7,982.5	51.7	21.8	-90.29	3,684.9	-165.2	1,297.7	1,232.7	65.08	19.942		
12,100.0	8,016.0	8,091.0	7,983.5	53.3	21.8	-90.38	3,684.9	-165.1	1,214.1	1,147.6	66.45	18.271		
12,200.0	8,016.0	8,092.0	7,984.5	54.9	21.8	-90.47	3,684.9	-165.1	1,132.1	1,064.2	67.82	16.693		
12,300.0	8,016.0	8,092.9	7,985.4	56.5	21.8	-90.56	3,684.9	-165.1	1,052.0	982.9	69.18	15.207		
12,400.0	8,016.0	8,093.8	7,986.3	58.1	21.8	-90.66	3,685.0	-165.1	974.5	904.0	70.54	13.816		
12,500.0	8,016.0	8,094.6	7,987.1	59.7	21.8	-90.74	3,685.0	-165.1	900.4	828.4	72.04	12.498		
12,600.0	8,016.0	8,095.4	7,987.9	61.4	21.8	-90.82	3,685.0	-165.1	831.5	757.7	73.73	11.277		
12,700.0	8,016.0	8,096.3	7,988.8	63.0	21.8	-90.90	3,685.0	-165.0	769.4	694.0	75.42	10.201		
12,800.0	8,016.0	8,097.1	7,989.6	64.6	21.8	-90.97	3,685.0	-165.0	716.0	638.9	77.12	9.284		
12,900.0	8,016.0	8,098.0	7,990.5	66.3	21.8	-91.05	3,685.0	-165.0	673.2	594.4	78.82	8.541		
13,000.0	8,016.0	8,098.9	7,991.4	67.9	21.8	-91.13	3,685.0	-165.0	643.3	562.8	80.53	7.989		
13,100.0	8,016.0	8,099.7	7,992.2	69.6	21.8	-91.21	3,685.0	-165.0	628.1	545.9	82.23	7.638		
13,146.6	8,016.0	8,100.1	7,992.6	70.4	21.8	-91.25	3,685.0	-165.0	626.4	543.3	83.04	7.543 CC, ES		
13,200.0	8,016.0	8,100.6	7,993.1	71.3	21.8	-91.29	3,685.0	-164.9	628.6	544.6	83.96	7.487 SF		
13,300.0	8,016.0	8,101.5	7,994.0	72.9	21.8	-91.37	3,685.0	-164.9	645.7	559.7	86.00	7.508		
13,400.0	8,016.0	8,102.4	7,994.9	74.6	21.8	-91.47	3,685.1	-164.9	679.0	590.9	88.04	7.712		
13,500.0	8,016.0	8,103.3	7,995.8	76.3	21.8	-91.57	3,685.1	-164.9	726.0	636.0	90.05	8.063		
13,600.0	8,016.0	8,104.3	7,996.8	78.0	21.8	-91.68	3,685.1	-164.9	784.5	692.5	92.05	8.522		
13,700.0	8,016.0	8,105.4	7,997.9	79.7	21.8	-91.81	3,685.1	-164.8	852.0	757.9	94.04	9.060		
13,800.0	8,016.0	8,106.5	7,998.9	81.4	21.8	-91.95	3,685.1	-164.8	926.5	830.5	96.00	9.651		
13,900.0	8,016.0	8,107.6	8,000.1	83.1	21.8	-92.11	3,685.1	-164.8	1,006.4	908.5	97.95	10.275		
14,000.0	8,016.0	8,108.7	8,001.2	84.9	21.8	-92.28	3,685.1	-164.8	1,090.6	990.8	99.86	10.922		
14,100.0	8,016.0	8,109.9	8,002.4	86.6	21.9	-92.40	3,685.1	-164.8	1,177.6	1,076.0	101.58	11.594		
14,200.0	8,016.0	8,111.0	8,003.5	88.3	21.9	-92.52	3,685.2	-164.7	1,266.5	1,163.2	103.29	12.262		
14,300.0	8,016.0	8,112.2	8,004.7	90.0	21.9	-92.64	3,685.2	-164.7	1,357.0	1,252.0	105.01	12.923		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 21-29 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 163-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)						
11,300.0	8,016.0	8,222.0	7,957.5	40.7	33.6	73.62	3,296.1	633.0	1,371.6	1,319.3	52.28	26.237		
11,400.0	8,016.0	8,223.6	7,959.1	42.2	33.6	74.74	3,296.2	633.0	1,271.7	1,217.7	53.99	23.553		
11,500.0	8,016.0	8,225.1	7,960.6	43.7	33.6	75.86	3,296.2	633.1	1,171.9	1,116.2	55.73	21.030		
11,600.0	8,016.0	8,226.6	7,962.1	45.3	33.6	77.00	3,296.2	633.1	1,072.1	1,014.7	57.47	18.655		
11,700.0	8,016.0	8,228.1	7,963.7	46.9	33.6	78.14	3,296.2	633.1	972.4	913.2	59.23	16.419		
11,800.0	8,016.0	8,229.7	7,965.2	48.5	33.6	79.29	3,296.3	633.1	872.7	811.7	60.98	14.311		
11,900.0	8,016.0	8,231.2	7,966.7	50.1	33.6	80.45	3,296.3	633.1	773.1	710.4	62.75	12.322		
12,000.0	8,016.0	8,232.7	7,968.2	51.7	33.6	82.48	3,296.3	633.1	673.7	609.2	64.52	10.442		
12,100.0	8,016.0	8,234.2	7,969.7	53.3	33.6	84.26	3,296.3	633.1	574.7	508.5	66.21	8.681		
12,200.0	8,016.0	8,235.7	7,971.2	54.9	33.7	85.59	3,296.4	633.2	476.5	408.6	67.85	7.023		
12,300.0	8,016.0	8,237.1	7,972.6	56.5	33.7	86.65	3,296.4	633.2	379.6	310.2	69.46	5.465		
12,400.0	8,016.0	8,238.5	7,974.1	58.1	33.7	87.52	3,296.4	633.2	285.6	214.6	71.07	4.019		
12,500.0	8,016.0	8,240.0	7,975.5	59.7	33.7	88.26	3,296.4	633.2	198.5	125.8	72.71	2.730		
12,600.0	8,016.0	8,241.4	7,976.9	61.4	33.7	88.95	3,296.4	633.2	131.4	57.0	74.39	1.766		
12,660.7	8,016.0	8,242.2	7,977.7	62.4	33.7	89.37	3,296.5	633.2	116.6	41.1	75.41	1.546 CC, ES, SF		
12,700.0	8,016.0	8,242.8	7,978.3	63.0	33.7	89.64	3,296.5	633.2	123.0	46.9	76.07	1.617		
12,800.0	8,016.0	8,244.2	7,979.7	64.6	33.7	90.33	3,296.5	633.2	181.6	103.9	77.74	2.336		
12,900.0	8,016.0	8,245.6	7,981.1	66.3	33.7	91.01	3,296.5	633.2	266.2	186.8	79.41	3.352		
13,000.0	8,016.0	8,246.9	7,982.5	67.9	33.7	91.70	3,296.5	633.3	358.8	277.7	81.07	4.425		
13,100.0	8,016.0	8,248.3	7,983.8	69.6	33.7	92.38	3,296.6	633.3	454.5	371.8	82.72	5.494		
13,200.0	8,016.0	8,249.7	7,985.2	71.3	33.7	93.05	3,296.6	633.3	551.7	467.3	84.38	6.539		
13,300.0	8,016.0	8,251.1	7,986.6	72.9	33.7	93.43	3,296.6	633.3	649.6	563.5	86.13	7.542		
13,400.0	8,016.0	8,252.5	7,988.0	74.6	33.7	93.71	3,296.6	633.3	747.8	659.9	87.89	8.508		
13,500.0	8,016.0	8,254.0	7,989.5	76.3	33.7	93.91	3,296.6	633.3	846.1	756.4	89.66	9.436		
13,600.0	8,016.0	8,255.4	7,990.9	78.0	33.7	94.05	3,296.7	633.3	944.4	853.0	91.44	10.329		
13,700.0	8,016.0	8,256.9	7,992.4	79.7	33.7	94.12	3,296.7	633.3	1,042.8	949.6	93.22	11.187		
13,800.0	8,016.0	8,258.3	7,993.8	81.4	33.7	94.16	3,296.7	633.4	1,141.2	1,046.2	95.01	12.012		
13,900.0	8,016.0	8,259.8	7,995.3	83.1	33.7	94.16	3,296.7	633.4	1,239.6	1,142.8	96.79	12.807		
14,000.0	8,016.0	8,261.3	7,996.8	84.9	33.7	94.17	3,296.8	633.4	1,337.9	1,239.3	98.57	13.573		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 22-29 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 132-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)						
9,700.0	8,016.0	8,625.9	8,042.6	21.4	44.9	-113.01	1,657.6	498.1	1,342.8	1,292.2	50.63	26.521		
9,800.0	8,016.0	8,622.3	8,039.0	22.1	44.9	-111.53	1,657.7	498.0	1,243.3	1,191.6	51.72	24.040		
9,900.0	8,016.0	8,618.8	8,035.4	22.8	44.9	-110.01	1,657.9	497.9	1,143.9	1,091.0	52.92	21.617		
10,000.0	8,016.0	8,615.2	8,031.8	23.7	44.9	-108.46	1,658.0	497.8	1,044.6	990.4	54.22	19.267		
10,100.0	8,016.0	8,611.6	8,028.2	24.7	44.9	-106.89	1,658.1	497.8	945.4	889.8	55.60	17.003		
10,200.0	8,016.0	8,608.0	8,024.6	25.7	44.9	-105.28	1,658.2	497.7	846.3	789.3	57.06	14.834		
10,300.0	8,016.0	8,604.4	8,021.0	26.9	44.9	-103.65	1,658.4	497.6	747.6	689.0	58.57	12.764		
10,400.0	8,016.0	8,600.8	8,017.4	28.1	44.9	-102.00	1,658.5	497.5	649.1	589.0	60.12	10.796		
10,500.0	8,016.0	8,597.1	8,013.8	29.3	44.9	-100.33	1,658.6	497.5	551.2	489.5	61.71	8.932		
10,600.0	8,016.0	8,593.5	8,010.2	30.6	44.9	-98.63	1,658.7	497.4	454.2	390.9	63.31	7.174		
10,700.0	8,016.0	8,589.9	8,006.5	31.9	44.9	-96.92	1,658.9	497.3	358.8	293.9	64.93	5.526		
10,800.0	8,016.0	8,586.2	8,002.9	33.3	44.9	-95.20	1,659.0	497.2	266.7	200.2	66.54	4.009		
10,900.0	8,016.0	8,582.6	7,999.3	34.7	44.9	-93.47	1,659.1	497.2	183.1	114.9	68.13	2.687		
11,000.0	8,016.0	8,578.9	7,995.6	36.2	44.9	-91.72	1,659.3	497.1	126.0	56.3	69.70	1.808		
11,038.3	8,016.0	8,577.5	7,994.2	36.7	44.9	-91.06	1,659.3	497.1	120.0	49.7	70.30	1.707 CC, ES, SF		
11,100.0	8,016.0	8,575.3	7,992.0	37.7	44.9	-89.98	1,659.4	497.0	134.9	63.7	71.24	1.894		
11,200.0	8,016.0	8,571.6	7,988.3	39.1	44.9	-88.23	1,659.5	496.9	201.3	128.5	72.75	2.767		
11,300.0	8,016.0	8,567.9	7,984.6	40.7	44.9	-86.49	1,659.7	496.9	287.7	213.5	74.20	3.877		
11,400.0	8,016.0	8,564.3	7,981.0	42.2	44.8	-84.75	1,659.8	496.8	380.8	305.2	75.61	5.037		
11,500.0	8,016.0	8,560.6	7,977.3	43.7	44.8	-83.02	1,659.9	496.7	476.7	399.7	76.96	6.194		
11,600.0	8,016.0	8,556.9	7,973.6	45.3	44.8	-81.30	1,660.0	496.7	574.0	495.7	78.25	7.335		
11,700.0	8,016.0	8,553.2	7,969.9	46.9	44.8	-79.59	1,660.2	496.6	672.0	592.5	79.48	8.455		
11,800.0	8,016.0	8,549.6	7,966.3	48.5	44.8	-77.97	1,660.3	496.5	770.6	689.9	80.66	9.553		
11,900.0	8,016.0	8,546.1	7,962.8	50.1	44.8	-76.39	1,660.4	496.5	869.4	787.6	81.79	10.630		
12,000.0	8,016.0	8,542.6	7,959.3	51.7	44.8	-76.08	1,660.6	496.4	968.4	885.0	83.45	11.604		
12,100.0	8,016.0	8,539.1	7,955.8	53.3	44.8	-76.40	1,660.7	496.3	1,067.4	982.0	85.39	12.500		
12,200.0	8,016.0	8,535.6	7,952.3	54.9	44.8	-76.78	1,660.8	496.3	1,166.3	1,079.0	87.33	13.355		
12,300.0	8,016.0	8,532.1	7,948.9	56.5	44.8	-77.20	1,660.9	496.2	1,265.2	1,175.9	89.27	14.172		
12,400.0	8,016.0	8,528.7	7,945.4	58.1	44.8	-77.63	1,661.0	496.2	1,363.9	1,272.7	91.20	14.955		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 2-4-29 (EXISTING) - ENCANA WELL - PLAN ONL													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,500.0	8,016.0	8,458.1	7,979.0	20.5	44.2	-90.00	1,187.6	-156.8	1,345.9	1,287.6	58.35	23.067		
9,600.0	8,016.0	8,458.1	7,979.0	20.9	44.2	-90.00	1,187.6	-156.8	1,266.3	1,207.5	58.82	21.527		
9,700.0	8,016.0	8,458.1	7,979.0	21.4	44.2	-90.00	1,187.6	-156.8	1,189.8	1,130.4	59.46	20.010		
9,800.0	8,016.0	8,458.1	7,979.0	22.1	44.2	-90.00	1,187.6	-156.8	1,117.0	1,056.8	60.24	18.543		
9,900.0	8,016.0	8,458.1	7,979.0	22.8	44.2	-90.00	1,187.6	-156.8	1,048.7	987.5	61.15	17.151		
10,000.0	8,016.0	8,458.1	7,979.0	23.7	44.2	-90.00	1,187.6	-156.8	985.8	923.6	62.16	15.859		
10,100.0	8,016.0	8,458.1	7,979.0	24.7	44.2	-90.00	1,187.6	-156.8	929.4	866.2	63.27	14.689		
10,200.0	8,016.0	8,458.1	7,979.0	25.7	44.2	-90.00	1,187.6	-156.8	880.9	816.4	64.47	13.664		
10,300.0	8,016.0	8,458.1	7,979.0	26.9	44.2	-90.00	1,187.6	-156.8	841.4	775.7	65.73	12.802		
10,400.0	8,016.0	8,458.1	7,979.0	28.1	44.2	-90.00	1,187.6	-156.8	812.4	745.4	67.05	12.117		
10,500.0	8,016.0	8,458.1	7,979.0	29.3	44.2	-90.00	1,187.6	-156.8	795.0	726.6	68.42	11.620		
10,589.7	8,016.0	8,458.1	7,979.0	30.5	44.2	-90.00	1,187.6	-156.8	790.0	720.3	69.68	11.336 CC		
10,600.0	8,016.0	8,458.1	7,979.0	30.6	44.2	-90.00	1,187.6	-156.8	790.0	720.2	69.83	11.314 ES		
10,700.0	8,016.0	8,458.1	7,979.0	31.9	44.2	-90.00	1,187.6	-156.8	797.6	726.3	71.28	11.190 SF		
10,800.0	8,016.0	8,458.1	7,979.0	33.3	44.2	-90.00	1,187.6	-156.8	817.5	744.7	72.76	11.235		
10,900.0	8,016.0	8,458.1	7,979.0	34.7	44.2	-90.00	1,187.6	-156.8	848.7	774.4	74.27	11.428		
11,000.0	8,016.0	8,458.1	7,979.0	36.2	44.2	-90.00	1,187.6	-156.8	890.1	814.4	75.80	11.744		
11,100.0	8,016.0	8,458.1	7,979.0	37.7	44.2	-90.00	1,187.6	-156.8	940.4	863.1	77.35	12.158		
11,200.0	8,016.0	8,458.1	7,979.0	39.1	44.2	-90.00	1,187.6	-156.8	998.2	919.3	78.92	12.649		
11,300.0	8,016.0	8,458.1	7,979.0	40.7	44.2	-90.00	1,187.6	-156.8	1,062.3	981.8	80.51	13.195		
11,400.0	8,016.0	8,458.1	7,979.0	42.2	44.2	-90.00	1,187.6	-156.8	1,131.6	1,049.5	82.11	13.782		
11,500.0	8,016.0	8,458.1	7,979.0	43.7	44.2	-90.00	1,187.6	-156.8	1,205.3	1,121.5	83.72	14.396		
11,600.0	8,016.0	8,458.1	7,979.0	45.3	44.2	-90.00	1,187.6	-156.8	1,282.5	1,197.1	85.34	15.027		
11,700.0	8,016.0	8,458.1	7,979.0	46.9	44.2	-90.00	1,187.6	-156.8	1,362.6	1,275.7	86.98	15.667		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - PRATT 4-2-29 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 193-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)						
10,600.0	8,016.0	8,505.8	7,967.3	30.6	45.6	87.02	2,475.6	1,062.8	1,322.5	1,270.8	51.68	25.589		
10,700.0	8,016.0	8,507.8	7,969.3	31.9	45.6	87.26	2,475.7	1,062.8	1,229.6	1,176.5	53.13	23.145		
10,800.0	8,016.0	8,509.8	7,971.3	33.3	45.6	87.49	2,475.7	1,062.8	1,138.0	1,083.4	54.61	20.840		
10,900.0	8,016.0	8,511.7	7,973.2	34.7	45.6	87.73	2,475.7	1,062.8	1,048.0	991.9	56.12	18.675		
11,000.0	8,016.0	8,513.7	7,975.2	36.2	45.6	87.97	2,475.8	1,062.8	959.9	902.2	57.65	16.651		
11,100.0	8,016.0	8,515.6	7,977.1	37.7	45.6	88.20	2,475.8	1,062.8	874.3	815.1	59.20	14.769		
11,200.0	8,016.0	8,517.6	7,979.1	39.1	45.6	88.44	2,475.8	1,062.8	792.1	731.4	60.77	13.036		
11,300.0	8,016.0	8,519.5	7,981.0	40.7	45.6	88.67	2,475.9	1,062.8	714.5	652.2	62.35	11.460		
11,400.0	8,016.0	8,521.5	7,983.0	42.2	45.6	88.91	2,475.9	1,062.8	643.1	579.2	63.95	10.057		
11,500.0	8,016.0	8,523.4	7,984.9	43.7	45.6	89.14	2,476.0	1,062.8	580.2	514.7	65.56	8.851		
11,600.0	8,016.0	8,525.3	7,986.8	45.3	45.6	89.37	2,476.0	1,062.8	528.9	461.7	67.18	7.873		
11,700.0	8,016.0	8,527.3	7,988.8	46.9	45.6	89.61	2,476.0	1,062.8	492.7	423.9	68.81	7.161		
11,800.0	8,016.0	8,529.2	7,990.7	48.5	45.6	89.84	2,476.1	1,062.8	475.2	404.7	70.45	6.745		
11,834.9	8,016.0	8,529.9	7,991.4	49.0	45.6	89.92	2,476.1	1,062.8	473.9	402.9	71.02	6.673 CC, ES		
11,900.0	8,016.0	8,531.1	7,992.6	50.1	45.6	90.07	2,476.1	1,062.8	478.3	406.3	72.09	6.635 SF		
12,000.0	8,016.0	8,533.0	7,994.5	51.7	45.6	90.31	2,476.1	1,062.8	502.2	428.2	73.98	6.789		
12,100.0	8,016.0	8,534.9	7,996.4	53.3	45.6	90.54	2,476.2	1,062.8	545.2	469.2	75.97	7.176		
12,200.0	8,016.0	8,536.8	7,998.3	54.9	45.6	90.78	2,476.2	1,062.8	603.2	525.2	77.95	7.738		
12,300.0	8,016.0	8,538.7	8,000.2	56.5	45.6	91.04	2,476.3	1,062.8	672.4	592.4	79.92	8.413		
12,400.0	8,016.0	8,540.7	8,002.1	58.1	45.6	91.30	2,476.3	1,062.8	749.6	667.7	81.88	9.155		
12,500.0	8,016.0	8,542.6	8,004.1	59.7	45.6	91.58	2,476.3	1,062.8	832.5	748.8	83.70	9.946		
12,600.0	8,016.0	8,544.6	8,006.1	61.4	45.6	91.84	2,476.4	1,062.8	918.9	833.6	85.37	10.764		
12,700.0	8,016.0	8,546.6	8,008.1	63.0	45.6	92.10	2,476.4	1,062.8	1,007.9	920.9	87.04	11.579		
12,800.0	8,016.0	8,548.6	8,010.1	64.6	45.6	92.36	2,476.4	1,062.8	1,098.8	1,010.0	88.72	12.385		
12,900.0	8,016.0	8,550.6	8,012.1	66.3	45.6	92.62	2,476.5	1,062.8	1,191.1	1,100.7	90.40	13.176		
13,000.0	8,016.0	8,552.6	8,014.1	67.9	45.6	92.88	2,476.5	1,062.8	1,284.5	1,192.5	92.07	13.951		
13,100.0	8,016.0	8,554.7	8,016.2	69.6	45.6	93.15	2,476.6	1,062.8	1,378.9	1,285.2	93.75	14.708		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Pratt 4B-29H-P168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,900.0	5,765.0	6,063.0	5,976.7	23.0	20.1	-49.03	-1,379.2	1,791.5	1,386.8	1,351.1	35.66	38.890		
6,000.0	5,862.1	6,158.8	6,070.8	23.5	20.5	-49.23	-1,389.1	1,776.9	1,358.3	1,322.0	36.29	37.427		
6,100.0	5,959.2	6,254.5	6,164.9	23.9	20.8	-49.43	-1,399.0	1,762.3	1,329.9	1,293.0	36.93	36.015		
6,200.0	6,056.3	6,350.3	6,259.0	24.4	21.2	-49.65	-1,408.9	1,747.7	1,301.5	1,263.9	37.56	34.650		
6,300.0	6,153.5	6,446.0	6,353.2	24.8	21.6	-49.88	-1,418.8	1,733.2	1,273.0	1,234.8	38.19	33.331		
6,400.0	6,250.6	6,541.8	6,447.3	25.3	21.9	-50.12	-1,428.7	1,718.6	1,244.6	1,205.8	38.83	32.055		
6,500.0	6,347.7	6,637.5	6,541.4	25.7	22.3	-50.37	-1,438.6	1,704.0	1,216.3	1,176.8	39.46	30.820		
6,600.0	6,444.8	6,733.3	6,635.5	26.2	22.6	-50.63	-1,448.5	1,689.5	1,187.9	1,147.8	40.10	29.625		
6,700.0	6,541.9	6,829.0	6,729.6	26.6	23.0	-50.90	-1,458.5	1,674.9	1,159.6	1,118.8	40.73	28.467		
6,800.0	6,639.0	6,924.8	6,823.7	27.1	23.3	-51.19	-1,468.4	1,660.3	1,131.3	1,089.9	41.37	27.345		
6,900.0	6,736.2	7,020.5	6,917.9	27.5	23.7	-51.49	-1,478.3	1,645.7	1,103.0	1,061.0	42.01	26.258		
7,000.0	6,833.3	7,136.8	7,032.3	28.0	24.0	-52.07	-1,486.8	1,628.0	1,074.3	1,031.7	42.62	25.205		
7,100.0	6,930.4	7,266.4	7,159.2	28.4	24.2	-54.16	-1,471.4	1,608.4	1,042.8	999.9	42.93	24.291		
7,200.0	7,027.5	7,373.1	7,259.0	28.9	24.2	-57.21	-1,437.4	1,592.9	1,010.0	967.0	43.00	23.491		
7,300.0	7,124.6	7,457.1	7,332.1	29.3	24.1	-60.45	-1,397.7	1,581.6	978.7	935.7	43.02	22.751		
7,400.0	7,221.7	7,522.2	7,384.4	29.8	24.0	-63.43	-1,359.8	1,573.5	951.6	908.5	43.11	22.071		
7,500.0	7,318.9	7,573.0	7,422.0	30.3	23.9	-66.00	-1,326.2	1,567.7	930.6	887.3	43.32	21.484		
7,600.0	7,417.1	7,617.8	7,452.6	30.5	23.8	-30.30	-1,293.9	1,562.9	916.6	873.3	43.34	21.148		
7,700.0	7,516.3	7,663.8	7,481.3	30.6	23.7	38.70	-1,258.2	1,558.5	908.6	865.5	43.09	21.087		
7,800.0	7,613.3	7,710.8	7,507.7	30.4	23.6	58.89	-1,219.5	1,554.4	905.7	863.2	42.56	21.279 ES		
7,813.0	7,625.6	7,717.0	7,510.9	30.3	23.6	60.00	-1,214.3	1,553.9	905.7	863.2	42.46	21.328 CC		
7,900.0	7,705.3	7,750.0	7,527.2	29.9	23.5	64.50	-1,185.7	1,551.4	907.2	865.5	41.77	21.722		
8,000.0	7,789.4	7,800.0	7,548.7	29.3	23.5	65.68	-1,140.7	1,548.0	911.9	871.3	40.67	22.424		
8,100.0	7,863.1	7,850.0	7,566.3	28.5	23.4	65.39	-1,094.0	1,545.3	918.9	879.7	39.27	23.399		
8,200.0	7,924.2	7,900.0	7,579.8	27.5	23.3	64.50	-1,045.9	1,543.2	927.3	889.7	37.61	24.655		
8,300.0	7,970.8	7,950.0	7,589.0	26.5	23.3	63.43	-996.8	1,541.8	936.1	900.3	35.77	26.168		
8,400.0	8,001.4	8,000.0	7,594.0	25.5	23.3	62.38	-947.1	1,541.0	944.6	910.7	33.91	27.859		
8,500.0	8,015.2	8,073.9	7,595.0	24.5	23.3	61.45	-873.2	1,540.8	951.8	919.5	32.28	29.482		
8,600.0	8,016.0	8,173.8	7,595.0	23.5	23.4	61.40	-773.3	1,540.8	955.2	923.6	31.52	30.299		
8,700.0	8,016.0	8,273.8	7,595.0	22.7	23.7	61.50	-673.3	1,540.8	958.2	927.0	31.26	30.658		
8,800.0	8,016.0	8,373.7	7,595.0	21.9	24.1	61.60	-573.4	1,540.8	961.3	930.1	31.23	30.777		
8,900.0	8,016.0	8,473.6	7,595.0	21.3	24.6	61.70	-473.5	1,540.8	964.4	932.9	31.46	30.655		
9,000.0	8,016.0	8,573.6	7,595.0	20.8	25.2	61.80	-373.5	1,540.8	967.4	935.5	31.92	30.306		
9,100.0	8,016.0	8,673.5	7,595.0	20.5	25.9	61.89	-273.6	1,540.8	970.5	937.9	32.62	29.752		
9,200.0	8,016.0	8,773.5	7,595.0	20.2	26.8	61.99	-173.6	1,540.8	973.6	940.0	33.54	29.024		
9,300.0	8,016.0	8,873.4	7,595.0	20.2	27.7	62.09	-73.7	1,540.8	976.6	941.9	34.69	28.156		
9,400.0	8,016.0	8,973.3	7,595.0	20.3	28.7	62.18	26.2	1,540.7	979.7	943.7	36.04	27.185		
9,500.0	8,016.0	9,073.3	7,595.0	20.5	29.7	62.28	126.2	1,540.7	982.8	945.2	37.59	26.147		
9,600.0	8,016.0	9,173.2	7,595.0	20.9	30.9	62.37	226.1	1,540.7	985.9	946.5	39.32	25.074		
9,700.0	8,016.0	9,273.2	7,595.0	21.4	32.1	62.46	326.1	1,540.7	989.0	947.7	41.22	23.995		
9,800.0	8,016.0	9,373.1	7,595.0	22.1	33.3	62.56	426.0	1,540.7	992.0	948.8	43.26	22.931		
9,900.0	8,016.0	9,473.0	7,595.0	22.8	34.6	62.65	525.9	1,540.7	995.1	949.7	45.44	21.899		
10,000.0	8,016.0	9,573.0	7,595.0	23.7	35.9	62.74	625.9	1,540.7	998.2	950.5	47.74	20.910		
10,100.0	8,016.0	9,672.9	7,595.0	24.7	37.2	62.83	725.8	1,540.7	1,001.3	951.2	50.14	19.972		
10,200.0	8,016.0	9,772.9	7,595.0	25.7	38.6	62.92	825.8	1,540.7	1,004.4	951.8	52.62	19.086		
10,300.0	8,016.0	9,872.8	7,595.0	26.9	40.1	63.01	925.7	1,540.7	1,007.5	952.3	55.19	18.255		
10,400.0	8,016.0	9,972.7	7,595.0	28.1	41.5	63.10	1,025.6	1,540.6	1,010.6	952.8	57.82	17.478		
10,500.0	8,016.0	10,072.7	7,595.0	29.3	43.0	63.19	1,125.6	1,540.6	1,013.7	953.2	60.52	16.751		
10,600.0	8,016.0	10,172.6	7,595.0	30.6	44.5	63.28	1,225.5	1,540.6	1,016.8	953.6	63.26	16.073		
10,700.0	8,016.0	10,272.6	7,595.0	31.9	46.0	63.37	1,325.5	1,540.6	1,019.9	953.9	66.05	15.441		
10,800.0	8,016.0	10,372.5	7,595.0	33.3	47.5	63.45	1,425.4	1,540.6	1,023.0	954.2	68.88	14.852		
10,900.0	8,016.0	10,472.4	7,595.0	34.7	49.0	63.54	1,525.3	1,540.6	1,026.2	954.4	71.75	14.302		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Pratt 4B-29H-P168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
11,000.0	8,016.0	10,572.4	7,595.0	36.2	50.6	63.63	1,625.3	1,540.6	1,029.3	954.6	74.65	13.788		
11,100.0	8,016.0	10,672.3	7,595.0	37.7	52.1	63.71	1,725.2	1,540.6	1,032.4	954.8	77.58	13.308		
11,200.0	8,016.0	10,772.3	7,595.0	39.1	53.7	63.80	1,825.2	1,540.6	1,035.5	955.0	80.53	12.859		
11,300.0	8,016.0	10,872.2	7,595.0	40.7	55.3	63.88	1,925.1	1,540.6	1,038.6	955.1	83.50	12.438		
11,400.0	8,016.0	10,972.1	7,595.0	42.2	56.9	63.97	2,025.0	1,540.5	1,041.8	955.3	86.50	12.043		
11,500.0	8,016.0	11,072.1	7,595.0	43.7	58.5	64.05	2,125.0	1,540.5	1,044.9	955.4	89.52	11.672		
11,600.0	8,016.0	11,172.0	7,595.0	45.3	60.1	64.13	2,224.9	1,540.5	1,048.0	955.5	92.55	11.323		
11,700.0	8,016.0	11,272.0	7,595.0	46.9	61.7	64.22	2,324.9	1,540.5	1,051.2	955.6	95.60	10.995		
11,800.0	8,016.0	11,371.9	7,595.0	48.5	63.4	64.30	2,424.8	1,540.5	1,054.3	955.6	98.67	10.685		
11,900.0	8,016.0	11,471.8	7,595.0	50.1	65.0	64.38	2,524.7	1,540.5	1,057.4	955.7	101.75	10.393		
12,000.0	8,016.0	11,571.8	7,595.0	51.7	66.6	64.46	2,624.7	1,540.5	1,061.0	956.1	104.89	10.115		
12,100.0	8,016.0	11,671.6	7,595.0	53.3	68.3	64.57	2,724.5	1,540.5	1,066.0	957.9	108.07	9.864		
12,200.0	8,016.0	11,771.3	7,595.0	54.9	69.9	64.71	2,824.2	1,540.5	1,072.6	961.3	111.25	9.641		
12,300.0	8,016.0	11,870.9	7,595.0	56.5	71.6	64.88	2,923.8	1,540.4	1,080.8	966.4	114.43	9.445		
12,400.0	8,016.0	11,970.3	7,595.0	58.1	73.2	65.08	3,023.2	1,540.4	1,090.6	973.0	117.61	9.273		
12,500.0	8,016.0	12,069.6	7,595.0	59.7	74.9	65.32	3,122.5	1,540.4	1,101.8	981.0	120.85	9.117		
12,600.0	8,016.0	12,168.8	7,595.0	61.4	76.6	65.59	3,221.7	1,540.4	1,113.3	989.1	124.16	8.966		
12,700.0	8,016.0	12,268.0	7,595.0	63.0	78.2	65.86	3,320.9	1,540.4	1,124.8	997.3	127.49	8.823		
12,800.0	8,016.0	12,367.2	7,595.0	64.6	79.9	66.12	3,420.1	1,540.4	1,136.3	1,005.5	130.82	8.686		
12,900.0	8,016.0	12,466.4	7,595.0	66.3	81.5	66.37	3,519.3	1,540.4	1,147.9	1,013.7	134.17	8.556		
13,000.0	8,016.0	12,565.6	7,595.0	67.9	83.2	66.62	3,618.5	1,540.4	1,159.5	1,021.9	137.52	8.431		
13,100.0	8,016.0	12,664.8	7,595.0	69.6	84.9	66.86	3,717.7	1,540.4	1,171.1	1,030.2	140.88	8.312		
13,200.0	8,016.0	12,764.0	7,595.0	71.3	86.6	67.11	3,816.9	1,540.4	1,182.7	1,038.4	144.26	8.198		
13,300.0	8,016.0	12,863.3	7,595.0	72.9	88.2	67.37	3,916.2	1,540.3	1,193.4	1,045.7	147.76	8.077		
13,400.0	8,016.0	12,962.8	7,595.0	74.6	89.9	67.58	4,015.7	1,540.3	1,202.6	1,051.4	151.20	7.954		
13,500.0	8,016.0	13,062.5	7,595.0	76.3	91.6	67.76	4,115.4	1,540.3	1,210.2	1,055.6	154.57	7.829		
13,600.0	8,016.0	13,162.3	7,595.0	78.0	93.3	67.90	4,215.2	1,540.3	1,216.1	1,058.3	157.88	7.703		
13,700.0	8,016.0	13,262.1	7,595.0	79.7	95.0	68.00	4,315.0	1,540.3	1,220.5	1,059.4	161.11	7.576		
13,800.0	8,016.0	13,362.1	7,595.0	81.4	96.7	68.06	4,415.0	1,540.3	1,223.2	1,059.0	164.26	7.447		
13,900.0	8,016.0	13,462.1	7,595.0	83.1	98.4	68.08	4,515.0	1,540.3	1,224.4	1,057.0	167.34	7.317		
14,000.0	8,016.0	13,562.1	7,595.0	84.9	100.1	68.07	4,615.0	1,540.3	1,223.9	1,053.5	170.35	7.184		
14,100.0	8,016.0	13,662.1	7,595.0	86.6	101.8	68.05	4,715.0	1,540.3	1,222.7	1,049.2	173.54	7.046		
14,200.0	8,016.0	13,762.1	7,595.0	88.3	103.5	68.03	4,815.0	1,540.2	1,221.6	1,044.9	176.72	6.913		
14,300.0	8,016.0	13,862.1	7,595.0	90.0	105.3	68.01	4,915.0	1,540.2	1,220.5	1,040.5	179.91	6.784		
14,400.0	8,016.0	13,962.1	7,595.0	91.7	107.0	67.99	5,015.0	1,540.2	1,219.3	1,036.2	183.09	6.659		
14,500.0	8,016.0	14,062.1	7,595.0	93.5	108.7	67.96	5,115.0	1,540.2	1,218.2	1,031.9	186.28	6.539		
14,600.0	8,016.0	14,162.0	7,595.0	95.2	110.4	67.94	5,214.9	1,540.2	1,217.0	1,027.6	189.47	6.423		
14,700.0	8,016.0	14,262.0	7,595.0	96.9	112.1	67.92	5,314.9	1,540.2	1,215.9	1,023.2	192.65	6.311		
14,800.0	8,016.0	14,362.0	7,595.0	98.6	113.8	67.90	5,414.9	1,540.2	1,214.7	1,018.9	195.84	6.203		
14,900.0	8,016.0	14,462.0	7,595.0	100.4	115.5	67.88	5,514.9	1,540.2	1,213.6	1,014.6	199.03	6.098		
15,000.0	8,016.0	14,562.0	7,595.0	102.1	117.3	67.86	5,614.9	1,540.2	1,212.5	1,010.2	202.22	5.996		
15,100.0	8,016.0	14,662.0	7,595.0	103.8	119.0	67.83	5,714.9	1,540.2	1,211.3	1,005.9	205.40	5.897		
15,200.0	8,016.0	14,762.0	7,595.0	105.5	120.7	67.81	5,814.9	1,540.1	1,210.2	1,001.6	208.59	5.802		
15,300.0	8,016.0	14,862.0	7,595.0	107.3	122.4	67.79	5,914.9	1,540.1	1,209.0	997.3	211.78	5.709		
15,400.0	8,016.0	14,962.0	7,595.0	109.0	124.1	67.77	6,014.9	1,540.1	1,207.9	992.9	214.97	5.619		
15,500.0	8,016.0	15,062.0	7,595.0	110.7	125.9	67.75	6,114.9	1,540.1	1,206.8	988.6	218.15	5.532		
15,600.0	8,016.0	15,162.0	7,595.0	112.5	127.6	67.72	6,214.9	1,540.1	1,205.6	984.3	221.34	5.447		
15,700.0	8,016.0	15,262.0	7,595.0	114.2	129.3	67.70	6,314.9	1,540.1	1,204.5	979.9	224.53	5.364		
15,800.0	8,016.0	15,362.0	7,595.0	115.9	131.0	67.68	6,414.9	1,540.1	1,203.3	975.6	227.72	5.284		
15,900.0	8,016.0	15,461.9	7,595.0	117.7	132.8	67.66	6,514.8	1,540.1	1,202.2	971.3	230.90	5.207		
16,000.0	8,016.0	15,561.9	7,595.0	119.4	134.5	67.63	6,614.8	1,540.1	1,201.1	967.0	234.09	5.131		
16,100.0	8,016.0	15,661.9	7,595.0	121.1	136.2	67.61	6,714.8	1,540.1	1,199.9	962.6	237.27	5.057		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Pratt 4B-29H-P168 - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
16,200.0	8,016.0	15,761.9	7,595.0	122.9	138.0	67.59	6,814.8	1,540.0	1,198.8	958.3	240.46	4.985		
16,300.0	8,016.0	15,861.9	7,595.0	124.6	139.7	67.57	6,914.8	1,540.0	1,197.6	954.0	243.64	4.916		
16,400.0	8,016.0	15,961.9	7,595.0	126.3	141.4	67.54	7,014.8	1,540.0	1,196.5	949.7	246.83	4.848		
16,500.0	8,016.0	16,061.9	7,595.0	128.1	143.2	67.52	7,114.8	1,540.0	1,195.4	945.3	250.01	4.781		
16,600.0	8,016.0	16,161.9	7,595.0	129.8	144.9	67.50	7,214.8	1,540.0	1,194.2	941.0	253.19	4.717		
16,700.0	8,016.0	16,261.9	7,595.0	131.6	146.6	67.48	7,314.8	1,540.0	1,193.1	936.7	256.38	4.654		
16,800.0	8,016.0	16,361.9	7,595.0	133.3	148.3	67.45	7,414.8	1,540.0	1,191.9	932.4	259.56	4.592		
16,900.0	8,016.0	16,461.9	7,595.0	135.0	150.1	67.43	7,514.8	1,540.0	1,190.8	928.1	262.74	4.532		
17,000.0	8,016.0	16,561.9	7,595.0	136.8	151.8	67.41	7,614.8	1,540.0	1,189.7	923.7	265.92	4.474		
17,100.0	8,016.0	16,661.9	7,595.0	138.5	153.5	67.39	7,714.8	1,539.9	1,188.5	919.4	269.10	4.417		
17,200.0	8,016.0	16,761.8	7,595.0	140.3	155.3	67.36	7,814.7	1,539.9	1,187.4	915.1	272.28	4.361		
17,219.9	8,016.0	16,768.2	7,595.0	140.6	155.4	67.36	7,821.1	1,539.9	1,187.2	914.5	272.70	4.354		
17,300.0	8,016.0	16,768.2	7,595.0	142.0	155.4	67.36	7,821.1	1,539.9	1,189.9	916.0	273.99	4.343 SF		
17,400.0	8,016.0	16,768.2	7,595.0	143.7	155.4	67.36	7,821.1	1,539.9	1,200.8	925.2	275.60	4.357		
17,500.0	8,016.0	16,768.2	7,595.0	145.5	155.4	67.36	7,821.1	1,539.9	1,219.9	942.6	277.21	4.401		
17,600.0	8,016.0	16,768.2	7,595.0	147.2	155.4	67.36	7,821.1	1,539.9	1,246.6	967.8	278.82	4.471		
17,700.0	8,016.0	16,768.2	7,595.0	149.0	155.4	67.36	7,821.1	1,539.9	1,280.7	1,000.2	280.43	4.567		
17,800.0	8,016.0	16,768.2	7,595.0	150.7	155.4	67.36	7,821.1	1,539.9	1,321.4	1,039.4	282.04	4.685		
17,900.0	8,016.0	16,768.2	7,595.0	152.4	155.4	67.36	7,821.1	1,539.9	1,368.3	1,084.6	283.65	4.824		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Pratt 4C-29H-P168 - Hz - Plan #4													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
6,800.0	6,639.0	6,892.6	6,828.4	27.1	19.8	-54.93	-1,418.7	1,921.1	1,378.8	1,338.3	40.51	34.039		
6,900.0	6,736.2	6,989.3	6,924.1	27.5	20.1	-55.31	-1,428.0	1,910.3	1,354.9	1,313.7	41.15	32.923		
7,000.0	6,833.3	7,086.0	7,019.7	28.0	20.4	-55.69	-1,437.3	1,899.6	1,330.9	1,289.1	41.80	31.843		
7,100.0	6,930.4	7,182.7	7,115.4	28.4	20.7	-56.10	-1,446.5	1,888.8	1,307.1	1,264.7	42.44	30.796		
7,200.0	7,027.5	7,279.4	7,211.0	28.9	21.0	-56.51	-1,455.8	1,878.0	1,283.3	1,240.2	43.09	29.781		
7,300.0	7,124.6	7,390.1	7,320.7	29.3	21.3	-57.13	-1,463.8	1,865.6	1,259.3	1,215.6	43.73	28.798		
7,400.0	7,221.7	7,508.6	7,437.9	29.8	21.5	-58.62	-1,455.4	1,851.4	1,233.8	1,189.6	44.21	27.911		
7,500.0	7,318.9	7,613.4	7,539.1	30.3	21.5	-60.74	-1,431.9	1,838.2	1,207.7	1,163.1	44.53	27.119		
7,600.0	7,417.1	7,707.4	7,626.0	30.5	21.4	-23.85	-1,398.4	1,826.3	1,182.3	1,137.7	44.52	26.555		
7,700.0	7,516.3	7,797.3	7,704.3	30.6	21.3	47.02	-1,355.8	1,814.8	1,158.2	1,114.1	44.16	26.227		
7,800.0	7,613.3	7,884.5	7,774.5	30.4	21.2	69.51	-1,305.4	1,803.9	1,135.9	1,092.4	43.51	26.105		
7,900.0	7,705.3	7,969.7	7,836.8	29.9	21.0	77.37	-1,248.2	1,793.6	1,115.5	1,072.9	42.62	26.173		
8,000.0	7,789.4	8,053.6	7,890.9	29.3	20.9	81.34	-1,185.0	1,783.9	1,097.2	1,055.7	41.54	26.413		
8,100.0	7,863.1	8,136.5	7,936.9	28.5	20.8	83.77	-1,116.6	1,774.9	1,081.3	1,040.9	40.35	26.797		
8,200.0	7,924.2	8,218.9	7,974.4	27.5	20.7	85.42	-1,043.8	1,766.7	1,067.8	1,028.7	39.13	27.293		
8,300.0	7,970.8	8,300.0	8,003.0	26.5	20.7	86.62	-968.3	1,759.4	1,057.1	1,019.2	37.95	27.857		
8,400.0	8,001.4	8,383.0	8,023.2	25.5	20.8	87.49	-888.1	1,752.8	1,049.3	1,012.3	36.92	28.420		
8,500.0	8,015.2	8,465.1	8,034.0	24.5	21.0	88.10	-806.9	1,747.2	1,044.4	1,008.3	36.09	28.938		
8,600.0	8,016.0	8,553.5	8,036.0	23.5	21.3	88.27	-718.7	1,742.4	1,042.2	1,006.8	35.44	29.409		
8,700.0	8,016.0	8,653.5	8,036.0	22.7	21.8	88.26	-618.9	1,737.1	1,040.5	1,005.4	35.06	29.676		
8,800.0	8,016.0	8,753.4	8,036.0	21.9	22.4	88.26	-519.0	1,731.9	1,038.7	1,003.7	34.95	29.718		
8,900.0	8,016.0	8,853.4	8,036.0	21.3	23.1	88.26	-419.2	1,726.7	1,036.9	1,001.8	35.10	29.539		
9,000.0	8,016.0	8,953.4	8,036.0	20.8	23.9	88.26	-319.3	1,721.4	1,035.2	999.6	35.55	29.116		
9,100.0	8,016.0	9,053.4	8,036.0	20.5	24.8	88.25	-219.5	1,716.2	1,033.4	997.2	36.26	28.503		
9,200.0	8,016.0	9,153.4	8,036.0	20.2	25.8	88.25	-119.6	1,710.9	1,031.7	994.5	37.22	27.716		
9,300.0	8,016.0	9,253.4	8,036.0	20.2	26.9	88.25	-19.8	1,705.7	1,029.9	991.5	38.45	26.789		
9,400.0	8,016.0	9,353.4	8,036.0	20.3	28.0	88.24	80.0	1,700.4	1,028.2	988.3	39.92	25.758		
9,500.0	8,016.0	9,453.3	8,036.0	20.5	29.2	88.24	179.9	1,695.2	1,026.4	984.8	41.62	24.661		
9,600.0	8,016.0	9,553.3	8,036.0	20.9	30.5	88.24	279.7	1,689.9	1,024.7	981.1	43.54	23.532		
9,700.0	8,016.0	9,653.3	8,036.0	21.4	31.8	88.24	379.6	1,684.7	1,022.9	977.2	45.66	22.402		
9,800.0	8,016.0	9,753.3	8,036.0	22.1	33.1	88.23	479.4	1,679.5	1,021.2	973.2	47.95	21.295		
9,900.0	8,016.0	9,853.3	8,036.0	22.8	34.5	88.23	579.3	1,674.2	1,019.4	969.0	50.40	20.228		
10,000.0	8,016.0	9,953.3	8,036.0	23.7	35.9	88.23	679.1	1,669.0	1,017.6	964.7	52.97	19.211		
10,100.0	8,016.0	10,053.2	8,036.0	24.7	37.4	88.22	779.0	1,663.7	1,015.9	960.2	55.66	18.251		
10,200.0	8,016.0	10,153.2	8,036.0	25.7	38.8	88.22	878.8	1,658.5	1,014.1	955.7	58.45	17.351		
10,300.0	8,016.0	10,253.2	8,036.0	26.9	40.3	88.22	978.7	1,653.2	1,012.4	951.1	61.32	16.510		
10,400.0	8,016.0	10,353.2	8,036.0	28.1	41.8	88.21	1,078.5	1,648.0	1,010.6	946.4	64.26	15.727		
10,500.0	8,016.0	10,439.1	8,036.0	29.3	43.2	88.21	1,164.3	1,644.1	1,009.5	942.5	67.03	15.060		
10,524.3	8,016.0	10,459.7	8,036.0	29.6	43.5	88.21	1,184.9	1,643.3	1,009.5	941.8	67.71	14.908 CC		
10,600.0	8,016.0	10,524.1	8,036.0	30.6	44.5	88.21	1,249.3	1,641.4	1,009.9	940.1	69.84	14.461		
10,700.0	8,016.0	10,609.1	8,036.0	31.9	45.8	88.22	1,334.3	1,640.0	1,011.8	939.1	72.68	13.920 ES		
10,800.0	8,016.0	10,700.2	8,036.0	33.3	47.2	88.22	1,425.4	1,639.8	1,015.0	939.3	75.67	13.414		
10,900.0	8,016.0	10,800.2	8,036.0	34.7	48.7	88.23	1,525.3	1,639.8	1,018.5	939.6	78.83	12.919		
11,000.0	8,016.0	10,900.1	8,036.0	36.2	50.3	88.23	1,625.3	1,639.8	1,021.9	939.9	82.03	12.458		
11,100.0	8,016.0	11,000.1	8,036.0	37.7	51.8	88.24	1,725.2	1,639.8	1,025.4	940.2	85.25	12.028		
11,200.0	8,016.0	11,100.0	8,036.0	39.1	53.4	88.24	1,825.2	1,639.8	1,028.9	940.4	88.50	11.626		
11,300.0	8,016.0	11,199.9	8,036.0	40.7	55.0	88.25	1,925.1	1,639.8	1,032.4	940.6	91.76	11.250		
11,400.0	8,016.0	11,299.9	8,036.0	42.2	56.6	88.26	2,025.0	1,639.7	1,035.9	940.8	95.05	10.898		
11,500.0	8,016.0	11,399.8	8,036.0	43.7	58.3	88.26	2,125.0	1,639.7	1,039.3	941.0	98.35	10.568		
11,600.0	8,016.0	11,499.8	8,036.0	45.3	59.9	88.27	2,224.9	1,639.7	1,042.8	941.2	101.67	10.257		
11,700.0	8,016.0	11,599.7	8,036.0	46.9	61.5	88.27	2,324.9	1,639.7	1,046.3	941.3	104.99	9.965		
11,800.0	8,016.0	11,699.6	8,036.0	48.5	63.1	88.28	2,424.8	1,639.7	1,049.8	941.4	108.34	9.690		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Pratt 4C-29H-P168 - Hz - Plan #4													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
11,900.0	8,016.0	11,799.6	8,036.0	50.1	64.8	88.29	2,524.7	1,639.7	1,053.2	941.6	111.69	9.430		
12,000.0	8,016.0	11,899.5	8,036.0	51.7	66.4	88.29	2,624.7	1,639.7	1,057.2	942.1	115.08	9.186		
12,100.0	8,016.0	11,999.3	8,036.0	53.3	68.1	88.30	2,724.5	1,639.7	1,062.7	944.3	118.46	8.971		
12,200.0	8,016.0	12,099.1	8,036.0	54.9	69.7	88.31	2,824.2	1,639.7	1,070.0	948.2	121.82	8.784		
12,300.0	8,016.0	12,198.7	8,036.0	56.5	71.4	88.32	2,923.8	1,639.6	1,079.1	953.9	125.14	8.623		
12,400.0	8,016.0	12,298.1	8,036.0	58.1	73.1	88.33	3,023.2	1,639.6	1,089.9	961.4	128.43	8.486		
12,500.0	8,016.0	12,397.3	8,036.0	59.7	74.7	88.35	3,122.5	1,639.6	1,102.2	970.5	131.74	8.367		
12,600.0	8,016.0	12,496.5	8,036.0	61.4	76.4	88.37	3,221.7	1,639.6	1,114.8	979.7	135.12	8.251		
12,700.0	8,016.0	12,585.4	8,036.0	63.0	77.9	88.38	3,310.6	1,639.7	1,127.6	989.3	138.33	8.151		
12,800.0	8,016.0	12,656.2	8,036.0	64.6	79.0	88.40	3,381.4	1,641.2	1,142.3	1,001.1	141.23	8.088		
12,900.0	8,016.0	12,726.5	8,036.0	66.3	80.2	88.42	3,451.6	1,644.5	1,159.5	1,015.4	144.12	8.045		
13,000.0	8,016.0	12,809.1	8,036.0	67.9	81.6	88.44	3,534.0	1,650.5	1,179.2	1,031.9	147.22	8.009		
13,100.0	8,016.0	12,888.9	8,036.0	69.6	82.9	88.46	3,613.5	1,657.4	1,200.2	1,049.9	150.28	7.986		
13,200.0	8,016.0	12,987.2	8,036.0	71.3	84.5	88.49	3,711.3	1,665.9	1,221.3	1,067.7	153.66	7.948		
13,300.0	8,016.0	13,085.6	8,036.0	72.9	86.2	88.52	3,809.4	1,674.4	1,241.5	1,084.3	157.19	7.898		
13,400.0	8,016.0	13,184.4	8,036.0	74.6	87.8	88.54	3,907.8	1,682.9	1,259.9	1,099.2	160.70	7.840		
13,500.0	8,016.0	13,283.5	8,036.0	76.3	89.5	88.57	4,006.5	1,691.3	1,276.6	1,112.4	164.18	7.776		
13,600.0	8,016.0	13,382.8	8,036.0	78.0	91.1	88.59	4,105.6	1,699.8	1,291.5	1,123.9	167.63	7.705		
13,700.0	8,016.0	13,482.5	8,036.0	79.7	92.8	88.61	4,204.9	1,708.2	1,304.7	1,133.6	171.04	7.628		
13,800.0	8,016.0	13,582.4	8,036.0	81.4	94.5	88.62	4,304.4	1,716.6	1,316.0	1,141.6	174.43	7.545		
13,900.0	8,016.0	13,682.4	8,036.0	83.1	96.2	88.63	4,404.1	1,725.0	1,325.6	1,147.8	177.77	7.457		
14,000.0	8,016.0	13,782.6	8,036.0	84.9	97.9	88.64	4,504.0	1,733.4	1,333.4	1,152.3	181.09	7.363		
14,100.0	8,016.0	13,882.9	8,036.0	86.6	99.6	88.65	4,603.9	1,741.7	1,340.5	1,156.0	184.55	7.264		
14,200.0	8,016.0	13,983.2	8,036.0	88.3	101.3	88.66	4,703.8	1,750.0	1,347.6	1,159.5	188.01	7.167		
14,300.0	8,016.0	14,083.5	8,036.0	90.0	103.0	88.66	4,803.8	1,758.2	1,354.6	1,163.1	191.48	7.074		
14,400.0	8,016.0	14,183.8	8,036.0	91.7	104.7	88.67	4,903.7	1,766.4	1,361.5	1,166.6	194.94	6.984		
14,500.0	8,016.0	14,284.1	8,036.0	93.5	106.4	88.68	5,003.7	1,774.6	1,368.4	1,170.0	198.41	6.897		
14,600.0	8,016.0	14,384.4	8,036.0	95.2	108.1	88.68	5,103.7	1,782.7	1,375.3	1,173.4	201.88	6.813		
14,700.0	8,016.0	14,484.7	8,036.0	96.9	109.8	88.69	5,203.7	1,790.8	1,382.2	1,176.8	205.35	6.731		
14,800.0	8,016.0	14,585.0	8,036.0	98.6	111.5	88.70	5,303.7	1,798.8	1,389.0	1,180.1	208.83	6.651		
14,900.0	8,016.0	14,685.4	8,036.0	100.4	113.2	88.70	5,403.7	1,806.9	1,395.7	1,183.4	212.30	6.574		
17,500.0	8,016.0	17,400.6	8,036.0	145.5	160.2	88.71	8,117.5	1,846.1	1,398.8	1,094.0	304.78	4.589		
17,600.0	8,016.0	17,500.6	8,036.0	147.2	162.0	88.71	8,217.5	1,845.9	1,397.3	1,089.1	308.27	4.533		
17,700.0	8,016.0	17,600.6	8,036.0	149.0	163.7	88.71	8,317.4	1,845.7	1,395.9	1,084.2	311.76	4.478		
17,800.0	8,016.0	17,700.6	8,036.0	150.7	165.4	88.71	8,417.4	1,845.5	1,394.5	1,079.2	315.25	4.423		
17,900.0	8,016.0	17,800.6	8,036.0	152.4	167.2	88.70	8,517.4	1,845.3	1,393.1	1,074.3	318.74	4.371		
17,982.4	8,016.0	17,883.0	8,036.0	153.9	168.6	88.70	8,599.8	1,845.1	1,391.9	1,070.3	321.61	4.328 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 13-29D (EXISTING) - SYNERGY WELL - SU													Offset Site Error:	0.0 ft
Survey Program: 248-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	-142.64	-408.3	-311.7	513.7					
100.0	100.0	97.6	97.6	0.2	0.2	-142.61	-408.5	-312.2	514.1	513.8	0.31	1,638.678		
200.0	200.0	193.3	193.3	0.3	0.3	-142.52	-408.9	-313.6	515.4	514.8	0.65	796.643		
300.0	300.0	296.9	296.8	0.5	0.5	-142.35	-409.5	-315.9	517.2	516.2	1.00	517.839		
400.0	400.0	411.5	411.4	0.7	0.7	56.07	-407.4	-317.9	516.3	514.9	1.39	372.718		
500.0	500.0	526.1	525.7	0.9	0.9	57.20	-399.9	-321.3	511.6	509.8	1.80	283.990		
600.0	599.9	632.2	630.9	1.0	1.2	59.08	-387.9	-327.1	504.1	501.9	2.26	223.353		
700.0	699.7	739.8	736.9	1.2	1.6	61.79	-371.3	-335.2	494.6	491.9	2.79	177.452		
800.0	799.4	841.1	836.1	1.4	2.0	64.97	-352.4	-343.5	483.6	480.2	3.36	143.813		
900.0	898.9	934.7	927.4	1.7	2.3	68.44	-333.7	-352.6	473.6	469.6	3.97	119.391		
1,000.0	998.3	1,033.5	1,023.5	1.9	2.7	72.51	-312.9	-362.2	464.3	459.7	4.64	100.140		
1,100.0	1,097.4	1,123.5	1,110.9	2.2	3.1	76.58	-293.4	-371.3	457.1	451.7	5.31	86.036		
1,200.0	1,196.3	1,214.1	1,198.7	2.5	3.5	80.97	-273.7	-381.1	452.8	446.8	6.02	75.243		
1,271.0	1,266.3	1,277.9	1,260.6	2.7	3.8	84.19	-259.9	-388.3	451.9	445.4	6.53	69.214 CC		
1,300.0	1,294.9	1,303.0	1,285.0	2.8	3.9	85.48	-254.5	-391.1	452.1	445.3	6.73	67.160 ES		
1,400.0	1,393.3	1,389.0	1,368.4	3.1	4.3	89.94	-236.2	-401.4	455.6	448.2	7.43	61.285		
1,500.0	1,491.2	1,473.9	1,450.6	3.5	4.7	94.38	-218.3	-412.6	464.1	455.9	8.13	57.105		
1,600.0	1,588.9	1,563.8	1,537.7	3.9	5.1	99.06	-199.5	-425.1	477.2	468.4	8.81	54.148		
1,700.0	1,686.1	1,654.4	1,625.3	4.3	5.6	103.68	-180.5	-437.2	494.1	484.7	9.46	52.260		
1,800.0	1,783.2	1,743.4	1,711.7	4.8	6.0	108.13	-161.8	-448.9	514.6	504.6	10.04	51.277		
1,900.0	1,880.3	1,832.7	1,798.0	5.2	6.4	112.33	-142.5	-460.4	538.3	527.8	10.56	50.981 SF		
2,000.0	1,977.5	1,924.8	1,887.2	5.6	6.8	116.36	-122.5	-471.9	564.7	553.7	11.03	51.196		
2,100.0	2,074.6	2,014.6	1,974.2	6.1	7.3	120.01	-102.8	-482.5	593.0	581.6	11.46	51.767		
2,200.0	2,171.7	2,101.4	2,058.1	6.5	7.7	123.30	-83.1	-492.6	623.7	611.9	11.84	52.681		
2,300.0	2,268.8	2,189.3	2,143.0	6.9	8.1	126.38	-62.9	-502.8	656.6	644.4	12.18	53.890		
2,400.0	2,365.9	2,279.3	2,230.1	7.4	8.5	129.21	-42.7	-513.3	691.0	678.5	12.50	55.299		
2,500.0	2,463.0	2,366.0	2,314.1	7.8	8.9	131.68	-23.6	-523.4	726.8	714.0	12.79	56.808		
2,600.0	2,560.1	2,448.9	2,394.2	8.3	9.3	133.88	-4.8	-533.4	764.3	751.3	13.08	58.445		
2,700.0	2,657.3	2,539.7	2,481.9	8.7	9.8	136.09	15.9	-544.3	803.0	789.7	13.34	60.203		
2,800.0	2,754.4	2,629.4	2,568.7	9.2	10.2	138.05	35.8	-555.1	842.4	828.8	13.59	61.993		
2,900.0	2,851.5	2,719.1	2,655.6	9.6	10.6	139.83	55.5	-565.9	882.4	868.6	13.84	63.771		
3,000.0	2,948.6	2,810.2	2,743.8	10.1	11.0	141.49	75.5	-576.6	922.9	908.8	14.08	65.555		
3,100.0	3,045.7	2,901.6	2,832.4	10.5	11.5	143.01	95.2	-587.2	963.6	949.3	14.32	67.310		
3,200.0	3,142.8	2,988.7	2,916.9	11.0	11.9	144.35	114.0	-597.2	1,004.9	990.3	14.56	69.025		
3,300.0	3,239.9	3,075.9	3,001.4	11.4	12.3	145.59	132.8	-607.4	1,046.6	1,031.8	14.80	70.735		
3,400.0	3,337.0	3,167.3	3,090.0	11.9	12.7	146.79	152.5	-618.0	1,088.8	1,073.7	15.04	72.405		
3,500.0	3,434.2	3,265.6	3,185.5	12.3	13.1	147.99	173.3	-629.0	1,130.8	1,115.5	15.27	74.048		
3,600.0	3,531.3	3,349.2	3,266.7	12.8	13.5	148.92	190.7	-638.4	1,172.8	1,157.3	15.52	75.577		
3,700.0	3,628.4	3,426.4	3,341.6	13.2	13.9	149.74	207.3	-647.2	1,215.8	1,200.0	15.77	77.100		
3,800.0	3,725.5	3,503.3	3,416.0	13.7	14.2	150.52	224.5	-656.4	1,259.9	1,243.9	16.02	78.656		
3,900.0	3,822.6	3,597.5	3,506.9	14.1	14.7	152.33	246.0	-667.9	1,304.8	1,288.6	16.24	80.345		
4,000.0	3,919.8	3,697.3	3,603.6	14.5	15.2	157.71	268.0	-678.9	1,349.0	1,332.6	16.35	82.490		
4,100.0	4,016.9	3,775.2	3,679.1	15.0	15.5	162.84	285.3	-687.6	1,394.1	1,377.6	16.45	84.723		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 14-29D (EXISTING) - SYNERGY WELL - SU													Offset Site Error:	0.0 ft
Survey Program: 126-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-140.90	-408.7	-332.2	526.6					
100.0	100.0	94.5	94.5	0.2	0.1	-140.92	-409.3	-332.4	527.3	527.0	0.30	1,753.375		
200.0	200.0	192.8	192.7	0.3	0.3	-140.96	-410.7	-333.1	528.8	528.2	0.64	825.130		
300.0	300.0	293.3	293.3	0.5	0.5	-140.89	-411.5	-334.5	530.3	529.3	0.99	535.520		
400.0	400.0	389.4	389.4	0.7	0.7	-140.89	-412.2	-336.3	531.6	530.3	1.33	398.590		
500.0	500.0	484.7	484.7	0.9	0.8	57.52	-413.9	-338.0	532.8	531.1	1.68	317.694		
600.0	599.9	581.7	581.5	1.0	1.0	57.88	-416.5	-340.0	533.8	531.8	2.03	263.106		
700.0	699.7	678.6	678.4	1.2	1.2	58.42	-419.4	-342.5	534.5	532.1	2.39	223.782		
800.0	799.4	777.9	777.6	1.4	1.4	59.15	-422.5	-345.3	534.7	531.9	2.76	193.488		
900.0	898.9	877.1	876.7	1.7	1.6	60.05	-425.5	-348.3	534.1	530.9	3.15	169.460		
1,000.0	998.3	980.9	980.5	1.9	1.8	61.19	-428.4	-351.4	532.6	529.0	3.57	149.358		
1,100.0	1,097.4	1,086.0	1,085.5	2.2	2.0	62.48	-431.0	-353.2	529.4	525.4	4.00	132.256		
1,200.0	1,196.3	1,178.0	1,177.4	2.5	2.1	63.74	-433.7	-354.7	525.9	521.5	4.44	118.452		
1,300.0	1,294.9	1,260.3	1,259.6	2.8	2.3	65.06	-437.1	-357.8	524.2	519.3	4.89	107.301		
1,314.2	1,308.9	1,272.0	1,271.3	2.8	2.3	65.26	-437.6	-358.4	524.2	519.2	4.95	105.850 CC, ES		
1,400.0	1,393.3	1,347.1	1,346.1	3.1	2.5	66.59	-442.1	-362.7	524.9	519.5	5.37	97.752		
1,500.0	1,491.2	1,433.8	1,432.3	3.5	2.7	68.13	-449.1	-368.5	527.5	521.6	5.88	89.642		
1,600.0	1,588.9	1,518.2	1,516.0	3.9	2.9	69.68	-457.5	-375.3	532.4	526.0	6.43	82.818		
1,700.0	1,686.1	1,602.1	1,598.9	4.3	3.2	71.34	-467.2	-384.0	540.0	533.0	7.00	77.099		
1,800.0	1,783.2	1,687.6	1,683.0	4.8	3.4	73.06	-478.5	-394.4	550.5	542.9	7.60	72.445		
1,900.0	1,880.3	1,775.3	1,769.0	5.2	3.7	74.73	-491.2	-406.3	563.5	555.3	8.21	68.638		
2,000.0	1,977.5	1,863.3	1,855.0	5.6	4.1	76.35	-504.5	-419.5	578.7	569.8	8.83	65.508		
2,100.0	2,074.6	1,950.6	1,939.9	6.1	4.4	77.84	-518.8	-433.8	596.1	586.6	9.47	62.966		
2,200.0	2,171.7	2,045.4	2,031.8	6.5	4.8	79.31	-535.3	-449.7	614.9	604.8	10.13	60.707		
2,300.0	2,268.8	2,143.6	2,127.1	6.9	5.2	80.71	-552.7	-466.0	634.0	623.2	10.81	58.627		
2,400.0	2,365.9	2,238.2	2,218.7	7.4	5.6	81.89	-570.5	-481.5	653.8	642.3	11.50	56.839		
2,500.0	2,463.0	2,335.4	2,312.9	7.8	6.1	83.04	-588.6	-497.3	673.6	661.4	12.20	55.204		
2,600.0	2,560.1	2,427.1	2,401.7	8.3	6.5	84.16	-605.1	-513.3	694.5	681.6	12.89	53.868		
2,700.0	2,657.3	2,530.0	2,501.4	8.7	6.9	85.44	-622.3	-531.6	715.6	701.9	13.62	52.548		
2,800.0	2,754.4	2,628.9	2,597.6	9.2	7.4	86.62	-638.2	-548.3	735.9	721.5	14.34	51.313		
2,900.0	2,851.5	2,718.2	2,684.3	9.6	7.8	87.61	-653.0	-564.0	757.2	742.1	15.05	50.324		
3,000.0	2,948.6	2,811.2	2,774.3	10.1	8.2	88.53	-669.5	-580.7	779.5	763.7	15.77	49.426		
3,100.0	3,045.7	2,906.1	2,866.0	10.5	8.6	89.40	-686.5	-597.9	802.2	785.7	16.50	48.616		
3,200.0	3,142.8	3,003.8	2,960.6	11.0	9.1	90.32	-703.2	-616.0	825.3	808.0	17.24	47.861		
3,300.0	3,239.9	3,103.3	3,056.9	11.4	9.5	91.18	-720.2	-634.0	848.1	830.1	18.00	47.127		
3,400.0	3,337.0	3,199.2	3,149.9	11.9	10.0	92.00	-736.3	-651.4	871.1	852.3	18.74	46.481		
3,500.0	3,434.2	3,295.6	3,243.3	12.3	10.4	92.79	-752.4	-668.9	894.2	874.7	19.49	45.888		
3,600.0	3,531.3	3,391.1	3,335.8	12.8	10.9	93.54	-768.1	-686.4	917.6	897.4	20.24	45.340		
3,700.0	3,628.4	3,491.6	3,433.2	13.2	11.3	94.27	-785.0	-704.7	941.1	920.1	21.00	44.809		
3,800.0	3,725.5	3,589.6	3,528.4	13.7	11.8	94.99	-800.8	-722.2	964.2	942.5	21.77	44.298		
3,900.0	3,822.6	3,688.9	3,624.6	14.1	12.2	96.43	-817.9	-739.6	987.5	965.0	22.54	43.809		
4,000.0	3,919.8	3,788.1	3,720.8	14.5	12.7	101.11	-835.5	-756.6	1,011.6	988.4	23.27	43.467		
4,100.0	4,016.9	3,891.4	3,821.1	15.0	13.2	105.82	-853.1	-774.0	1,037.1	1,013.1	24.01	43.200		
4,200.0	4,114.0	3,976.1	3,903.3	15.4	13.6	109.31	-867.7	-788.4	1,064.4	1,039.7	24.68	43.125		
4,300.0	4,211.1	4,082.0	4,006.0	15.9	14.0	109.80	-885.9	-806.6	1,092.4	1,066.9	25.45	42.922		
4,400.0	4,308.3	4,187.6	4,108.7	16.3	14.5	110.26	-903.7	-823.6	1,119.3	1,093.1	26.23	42.681		
4,500.0	4,405.4	4,278.9	4,197.5	16.8	14.9	110.68	-918.6	-838.4	1,146.4	1,119.4	26.94	42.556		
4,600.0	4,502.5	4,443.3	4,358.8	17.2	15.5	111.59	-940.6	-860.5	1,170.3	1,142.4	27.84	42.036		
4,700.0	4,599.6	4,559.9	4,474.3	17.7	15.8	112.39	-952.0	-872.5	1,191.0	1,162.4	28.57	41.683		
4,800.0	4,696.7	4,681.7	4,595.3	18.1	16.1	113.35	-960.4	-883.5	1,210.3	1,181.0	29.27	41.342		
4,900.0	4,793.8	4,837.4	4,750.6	18.6	16.3	114.87	-963.3	-893.0	1,226.7	1,196.8	29.98	40.921		
5,000.0	4,891.0	4,974.3	4,887.5	19.0	16.4	116.35	-961.3	-895.3	1,238.8	1,208.2	30.61	40.470		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 14-29D (EXISTING) - SYNERGY WELL - SU		Offset Site Error:		0.0 ft	
Survey Program: 126-MWD															Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance											
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	Warning					
5,100.0	4,988.1	5,079.7	4,992.9	19.5	16.5	117.48	-959.3	-895.4	1,249.8	1,218.7	31.17	40.093						
5,200.0	5,085.2	5,174.5	5,087.7	19.9	16.6	118.48	-957.5	-895.2	1,260.9	1,229.2	31.71	39.761						
5,300.0	5,182.3	5,263.7	5,176.9	20.3	16.6	119.39	-956.0	-895.3	1,272.9	1,240.7	32.23	39.489						
5,400.0	5,279.4	5,354.1	5,267.2	20.8	16.7	120.29	-954.7	-896.1	1,285.8	1,253.1	32.74	39.270						
5,500.0	5,376.5	5,445.2	5,358.3	21.2	16.8	121.19	-953.2	-897.2	1,299.6	1,266.3	33.24	39.095						
5,600.0	5,473.7	5,534.7	5,447.8	21.7	16.9	122.06	-951.6	-898.7	1,314.1	1,280.4	33.73	38.963						
5,700.0	5,570.8	5,622.5	5,535.5	22.1	17.0	122.90	-950.1	-900.7	1,329.6	1,295.4	34.20	38.875						
5,800.0	5,667.9	5,730.8	5,643.8	22.6	17.1	123.90	-948.4	-903.5	1,345.8	1,311.1	34.69	38.789						
5,900.0	5,765.0	5,867.0	5,780.0	23.0	17.2	125.06	-947.8	-903.7	1,359.6	1,324.4	35.22	38.608						
6,000.0	5,862.1	5,962.6	5,875.6	23.5	17.3	125.85	-947.9	-902.5	1,372.5	1,336.8	35.67	38.472						
6,100.0	5,959.2	6,055.0	5,968.0	23.9	17.4	126.62	-947.4	-901.9	1,386.2	1,350.1	36.12	38.378 SF						

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 24-29 PD (EXISTING) - SYNERGY WELL - S													Offset Site Error:	0.0 ft
Survey Program: 248-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	2.0	2.0	0.0	0.0	-146.22	-409.0	-273.6	492.1					
100.0	100.0	104.5	104.5	0.2	0.2	-146.19	-408.7	-273.7	491.9	0.33	1,507.789			
200.0	200.0	207.0	207.0	0.3	0.3	-146.12	-407.7	-273.8	491.1	0.67	731.138			
300.0	300.0	309.7	309.7	0.5	0.5	-146.11	-406.5	-273.1	489.8	1.02	479.881			
400.0	400.0	400.7	400.6	0.7	0.7	51.56	-407.7	-269.6	488.3	1.36	359.026			
500.0	500.0	492.0	491.6	0.9	0.9	50.93	-412.8	-264.3	488.1	1.73	282.747			
600.0	599.9	591.1	590.0	1.0	1.1	49.97	-421.0	-255.9	487.7	2.15	226.695			
700.0	699.7	699.5	697.1	1.2	1.4	48.69	-431.1	-243.2	485.7	2.65	183.198			
800.0	799.4	808.2	804.3	1.4	1.8	47.26	-440.5	-227.2	480.5	3.19	150.417			
900.0	898.9	907.5	901.8	1.7	2.1	45.89	-449.0	-210.6	473.5	3.75	126.274			
1,000.0	998.3	1,007.3	999.7	1.9	2.5	44.55	-457.7	-193.3	465.4	4.31	107.941			
1,100.0	1,097.4	1,104.1	1,094.8	2.2	2.8	43.42	-466.1	-177.1	456.5	4.87	93.687			
1,200.0	1,196.3	1,206.6	1,195.2	2.5	3.3	42.14	-475.5	-158.6	446.5	5.51	81.096			
1,300.0	1,294.9	1,304.0	1,289.8	2.8	3.7	40.61	-485.1	-138.0	434.9	6.16	70.601			
1,400.0	1,393.3	1,397.0	1,379.9	3.1	4.1	38.99	-495.6	-117.1	423.2	6.81	62.136			
1,500.0	1,491.2	1,491.0	1,470.7	3.5	4.6	37.34	-507.9	-96.2	412.2	7.46	55.230			
1,600.0	1,588.9	1,587.2	1,563.8	3.9	5.0	35.81	-520.9	-75.8	401.0	8.10	49.488			
1,700.0	1,686.1	1,691.0	1,664.6	4.3	5.5	34.41	-534.0	-54.9	388.1	8.75	44.333			
1,800.0	1,783.2	1,794.1	1,765.0	4.8	5.9	33.04	-545.7	-34.7	373.9	9.39	39.807			
1,900.0	1,880.3	1,898.1	1,866.2	5.2	6.4	31.41	-555.7	-13.1	358.0	10.03	35.682			
2,000.0	1,977.5	1,990.7	1,956.0	5.6	6.8	29.56	-565.3	7.6	342.9	10.61	32.310			
2,100.0	2,074.6	2,086.4	2,048.4	6.1	7.3	27.32	-576.9	29.6	329.7	11.16	29.547			
2,200.0	2,171.7	2,186.0	2,144.7	6.5	7.8	24.85	-588.4	52.4	316.7	11.67	27.140			
2,300.0	2,268.8	2,283.6	2,239.0	6.9	8.3	22.24	-600.1	74.6	304.6	12.11	25.159			
2,400.0	2,365.9	2,382.5	2,334.9	7.4	8.7	19.65	-611.5	95.8	292.9	12.52	23.396			
2,500.0	2,463.0	2,482.2	2,431.2	7.8	9.2	16.48	-623.1	118.9	281.9	12.85	21.938			
2,600.0	2,560.1	2,580.6	2,526.5	8.3	9.7	13.23	-633.7	141.0	271.0	13.11	20.673			
2,700.0	2,657.3	2,682.9	2,625.9	8.7	10.1	9.87	-644.8	162.8	260.8	13.33	19.570			
2,800.0	2,754.4	2,783.9	2,724.3	9.2	10.6	6.38	-653.9	183.5	249.7	13.48	18.526			
2,900.0	2,851.5	2,882.4	2,820.6	9.6	11.0	3.13	-662.9	201.7	239.0	13.63	17.537			
3,000.0	2,948.6	2,974.2	2,910.2	10.1	11.4	-0.36	-672.0	219.9	230.4	13.76	16.745			
3,100.0	3,045.7	3,071.7	3,004.5	10.5	11.9	-4.83	-682.9	241.8	225.1	13.87	16.231			
3,200.0	3,142.8	3,168.2	3,097.8	11.0	12.3	-9.56	-693.7	264.1	221.5	13.97	15.858			
3,300.0	3,239.9	3,265.0	3,191.6	11.4	12.8	-13.78	-706.3	284.7	220.2	14.14	15.570			
3,315.4	3,254.9	3,279.9	3,206.0	11.5	12.9	-14.39	-708.4	287.7	220.2	14.18	15.529			
3,400.0	3,337.0	3,361.5	3,284.9	11.9	13.3	-17.97	-719.6	305.5	221.0	14.40	15.341			
3,500.0	3,434.2	3,455.0	3,374.7	12.3	13.8	-22.37	-732.6	327.8	224.6	14.73	15.245			
3,600.0	3,531.3	3,555.2	3,470.8	12.8	14.3	-27.09	-746.5	352.7	230.5	15.17	15.191			
3,700.0	3,628.4	3,655.7	3,567.4	13.2	14.8	-31.43	-760.2	376.5	236.7	15.71	15.064			
3,800.0	3,725.5	3,751.7	3,659.8	13.7	15.3	-35.13	-774.1	398.9	244.4	16.35	14.950			
3,900.0	3,822.6	3,855.0	3,759.2	14.1	15.8	-38.10	-788.7	422.6	252.6	17.12	14.753			
4,000.0	3,919.8	3,963.7	3,864.7	14.5	16.3	-37.89	-801.2	445.6	258.1	18.04	14.311			
4,100.0	4,016.9	4,069.7	3,968.5	15.0	16.7	-37.48	-809.9	465.3	259.7	19.06	13.625			
4,200.0	4,114.0	4,170.8	4,067.7	15.4	17.1	-37.36	-818.8	482.4	259.7	20.06	12.946			
4,300.0	4,211.1	4,272.9	4,168.1	15.9	17.5	-40.05	-828.3	498.5	259.1	21.11	12.275			
4,400.0	4,308.3	4,383.3	4,277.1	16.3	17.8	-43.04	-837.5	513.6	256.8	22.32	11.504			
4,500.0	4,405.4	4,491.2	4,384.2	16.8	18.0	-46.25	-844.4	524.0	250.6	23.65	10.599			
4,600.0	4,502.5	4,596.1	4,488.7	17.2	18.2	-49.63	-850.2	531.3	242.5	25.07	9.671			
4,700.0	4,599.6	4,703.3	4,595.8	17.7	18.4	-53.84	-853.6	535.3	231.6	26.73	8.664			
4,800.0	4,696.7	4,802.6	4,695.0	18.1	18.5	-58.44	-855.5	537.3	220.1	28.48	7.729			
4,900.0	4,793.8	4,901.4	4,793.9	18.6	18.6	-63.61	-856.8	538.6	209.6	30.34	6.909			
5,000.0	4,891.0	4,999.9	4,892.3	19.0	18.7	-69.32	-858.0	539.3	200.5	32.23	6.221			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 24-29 PD (EXISTING) - SYNERGY WELL - S													Offset Site Error:	0.0 ft
Survey Program: 248-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,100.0	4,988.1	5,097.5	4,990.0	19.5	18.7	-75.50	-858.9	539.6	193.2	159.2	34.04	5.675		
5,200.0	5,085.2	5,194.3	5,086.7	19.9	18.8	-82.08	-859.6	540.0	188.6	152.9	35.67	5.287		
5,300.0	5,182.3	5,291.4	5,183.9	20.3	18.9	-88.95	-860.0	540.6	187.0	150.0	37.01	5.052		
5,307.5	5,189.5	5,298.7	5,191.1	20.4	18.9	-89.47	-860.1	540.6	187.0	149.9	37.09	5.040 CC, ES		
5,400.0	5,279.4	5,389.0	5,281.4	20.8	19.0	-95.87	-860.5	541.0	188.1	150.1	37.97	4.955 SF		
5,500.0	5,376.5	5,486.9	5,379.3	21.2	19.1	-102.63	-861.1	541.3	191.9	153.4	38.51	4.983		
5,600.0	5,473.7	5,584.8	5,477.2	21.7	19.2	-109.15	-861.8	541.1	198.0	159.4	38.65	5.123		
5,700.0	5,570.8	5,682.0	5,574.4	22.1	19.3	-115.26	-862.4	540.6	206.4	168.0	38.45	5.368		
5,800.0	5,667.9	5,778.7	5,671.1	22.6	19.4	-120.88	-862.8	540.0	217.2	179.2	38.01	5.714		
5,900.0	5,765.0	5,875.5	5,767.9	23.0	19.4	-125.99	-863.0	539.4	230.1	192.7	37.41	6.153		
6,000.0	5,862.1	5,972.1	5,864.5	23.5	19.5	-130.60	-863.0	538.5	244.9	208.2	36.71	6.671		
6,100.0	5,959.2	6,069.0	5,961.4	23.9	19.6	-134.74	-862.8	537.4	261.2	225.2	35.99	7.258		
6,200.0	6,056.3	6,165.9	6,058.2	24.4	19.7	-138.45	-862.5	536.1	278.8	243.5	35.28	7.902		
6,300.0	6,153.5	6,262.7	6,155.1	24.8	19.7	-141.76	-862.2	534.6	297.4	262.8	34.61	8.593		
6,400.0	6,250.6	6,359.6	6,251.9	25.3	19.8	-144.72	-861.9	532.8	316.8	282.8	34.00	9.319		
6,500.0	6,347.7	6,456.1	6,348.4	25.7	19.9	-147.30	-861.5	531.3	337.1	303.6	33.50	10.063		
6,600.0	6,444.8	6,552.7	6,445.0	26.2	20.0	-149.47	-861.0	530.5	358.0	324.9	33.12	10.810		
6,700.0	6,541.9	6,648.9	6,541.2	26.6	20.0	-151.36	-860.5	529.9	379.5	346.6	32.82	11.563		
6,800.0	6,639.0	6,745.0	6,637.3	27.1	20.1	-153.07	-859.7	529.2	401.5	368.9	32.57	12.327		
6,900.0	6,736.2	6,839.2	6,731.5	27.5	20.2	-154.62	-858.7	528.1	424.2	391.9	32.37	13.106		
7,000.0	6,833.3	6,933.3	6,825.6	28.0	20.3	-156.05	-857.0	526.7	447.9	415.7	32.21	13.906		
7,100.0	6,930.4	7,032.0	6,924.3	28.4	20.3	-157.45	-855.3	524.8	471.8	439.7	32.05	14.719		
7,200.0	7,027.5	7,130.7	7,022.9	28.9	20.4	-158.77	-854.2	522.6	495.5	463.5	31.93	15.519		
7,300.0	7,124.6	7,228.8	7,121.0	29.3	20.5	-159.99	-853.4	520.1	519.0	487.2	31.84	16.303		
7,400.0	7,221.7	7,326.6	7,218.8	29.8	20.5	-161.11	-853.0	517.6	542.5	510.8	31.78	17.071		
7,500.0	7,318.9	7,423.4	7,315.5	30.3	20.6	-162.14	-852.6	515.0	566.1	534.4	31.76	17.825		
7,600.0	7,417.1	7,521.7	7,413.8	30.5	20.7	-126.20	-852.3	512.3	582.9	551.1	31.83	18.314		
7,700.0	7,516.3	7,621.9	7,514.0	30.6	20.8	-57.24	-852.2	509.5	582.9	551.9	31.00	18.803		
7,800.0	7,613.3	7,719.4	7,611.4	30.4	20.8	-37.56	-852.3	506.7	566.3	536.9	29.39	19.272		
7,900.0	7,705.3	7,811.6	7,703.5	29.9	20.9	-33.68	-852.3	504.9	534.2	506.8	27.35	19.531		
8,000.0	7,789.4	7,896.1	7,788.0	29.3	21.0	-35.49	-851.9	504.1	488.1	462.4	25.66	19.023		
8,100.0	7,863.1	7,970.1	7,862.1	28.5	21.1	-41.70	-851.5	503.8	430.4	404.7	25.71	16.744		
8,200.0	7,924.2	8,031.8	7,923.8	27.5	21.2	-52.71	-851.1	503.7	364.8	335.9	28.94	12.607		
8,300.0	7,970.8	8,079.2	7,971.1	26.5	21.2	-67.75	-850.7	503.8	297.0	262.8	34.27	8.669		
8,400.0	8,001.4	8,110.8	8,002.8	25.5	21.3	-82.06	-850.3	503.9	237.2	199.6	37.53	6.320		
8,500.0	8,015.2	8,125.7	8,017.7	24.5	21.3	-89.71	-850.2	503.9	202.9	165.2	37.67	5.386		
8,529.4	8,016.5	8,127.4	8,019.4	24.2	21.3	-90.24	-850.1	503.9	200.8	163.4	37.40	5.369		
8,600.0	8,016.0	8,127.7	8,019.6	23.5	21.3	-90.47	-850.1	503.9	212.5	175.8	36.69	5.792		
8,700.0	8,016.0	8,128.8	8,020.8	22.7	21.3	-90.79	-850.1	503.9	262.9	227.2	35.71	7.363		
8,800.0	8,016.0	8,130.0	8,021.9	21.9	21.3	-91.12	-850.1	503.9	336.3	301.4	34.84	9.653		
8,900.0	8,016.0	8,131.1	8,023.1	21.3	21.3	-91.46	-850.1	503.9	420.8	386.7	34.10	12.340		
9,000.0	8,016.0	8,132.3	8,024.3	20.8	21.3	-91.79	-850.1	503.9	510.9	477.4	33.50	15.248		
9,100.0	8,016.0	8,133.5	8,025.5	20.5	21.3	-92.13	-850.1	503.9	604.1	571.0	33.08	18.265		
9,200.0	8,016.0	8,134.7	8,026.7	20.2	21.3	-92.47	-850.1	504.0	699.2	666.4	32.82	21.302		
9,300.0	8,016.0	8,135.9	8,027.9	20.2	21.3	-92.81	-850.0	504.0	795.5	762.8	32.76	24.286		
9,400.0	8,016.0	8,137.1	8,029.1	20.3	21.3	-93.16	-850.0	504.0	892.6	859.8	32.88	27.151		
9,500.0	8,016.0	8,138.3	8,030.3	20.5	21.3	-93.51	-850.0	504.0	990.3	957.1	33.18	29.848		
9,600.0	8,016.0	8,139.6	8,031.5	20.9	21.3	-93.86	-850.0	504.0	1,088.4	1,054.8	33.65	32.341		
9,700.0	8,016.0	8,140.8	8,032.8	21.4	21.3	-94.21	-850.0	504.0	1,186.8	1,152.6	34.29	34.614		
9,800.0	8,016.0	8,142.1	8,034.0	22.1	21.3	-94.56	-850.0	504.0	1,285.5	1,250.4	35.06	36.662		
9,900.0	8,016.0	8,143.3	8,035.3	22.8	21.3	-94.92	-850.0	504.0	1,384.4	1,348.4	35.96	38.493		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29HD (EXISTING) - SYNERGY WELL - PLA														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-137.67	-408.3	-372.0	552.5						
100.0	100.0	88.0	88.0	0.2	0.2	-137.67	-408.3	-372.0	552.4	552.1	0.31	1,808.318			
200.0	200.0	188.0	188.0	0.3	0.3	-137.67	-408.3	-372.0	552.4	551.7	0.65	843.948			
300.0	300.0	288.0	288.0	0.5	0.5	-137.67	-408.3	-372.0	552.4	551.4	1.00	550.401			
400.0	400.0	388.0	388.0	0.7	0.7	60.41	-408.3	-372.0	551.9	550.6	1.35	407.899			
500.0	500.0	488.0	488.0	0.9	0.9	60.66	-408.3	-372.0	550.6	548.9	1.71	322.918			
600.0	599.9	587.9	587.9	1.0	1.0	61.08	-408.3	-372.0	548.5	546.5	2.06	265.937			
700.0	699.7	687.7	687.7	1.2	1.2	61.66	-408.3	-372.0	545.6	543.2	2.43	224.690			
800.0	799.4	787.4	787.4	1.4	1.4	62.42	-408.3	-372.0	541.9	539.1	2.81	193.184			
900.0	898.9	886.9	886.9	1.7	1.5	63.36	-408.3	-372.0	537.5	534.3	3.20	168.157			
1,000.0	998.3	986.3	986.3	1.9	1.7	64.49	-408.3	-372.0	532.5	528.9	3.61	147.689			
1,100.0	1,097.4	1,077.2	1,077.2	2.2	1.9	65.79	-408.1	-373.0	527.7	523.6	4.02	131.194			
1,200.0	1,196.3	1,166.1	1,166.1	2.5	2.0	67.47	-407.3	-376.7	524.3	519.8	4.46	117.479			
1,300.0	1,294.9	1,254.0	1,253.7	2.8	2.2	69.51	-405.9	-382.9	522.7	517.8	4.94	105.911			
1,321.0	1,315.6	1,272.3	1,271.9	2.9	2.2	69.98	-405.5	-384.6	522.7	517.6	5.04	103.690 CC, ES			
1,400.0	1,393.3	1,340.6	1,339.8	3.1	2.4	71.87	-403.9	-391.7	523.4	518.0	5.44	96.140			
1,500.0	1,491.2	1,425.6	1,424.0	3.5	2.6	74.49	-401.4	-402.8	526.9	520.9	5.99	87.940			
1,600.0	1,588.9	1,508.9	1,506.2	3.9	2.8	77.31	-398.5	-416.0	533.7	527.1	6.58	81.154			
1,700.0	1,686.1	1,590.3	1,586.1	4.3	3.0	80.27	-395.1	-431.1	544.1	537.0	7.19	75.674			
1,800.0	1,783.2	1,670.0	1,663.9	4.8	3.3	83.32	-391.3	-448.1	558.9	551.1	7.81	71.543			
1,900.0	1,880.3	1,757.3	1,748.7	5.2	3.6	86.60	-386.7	-468.4	577.5	569.1	8.44	68.390			
2,000.0	1,977.5	1,848.7	1,837.4	5.6	4.0	89.85	-381.9	-489.8	598.5	589.4	9.07	65.979			
2,100.0	2,074.6	1,940.0	1,926.1	6.1	4.4	92.90	-377.1	-511.2	621.4	611.7	9.68	64.214			
2,200.0	2,171.7	2,031.4	2,014.7	6.5	4.7	95.74	-372.3	-532.7	646.1	635.8	10.26	62.954			
2,300.0	2,268.8	2,122.7	2,103.4	6.9	5.1	98.39	-367.5	-554.1	672.3	661.5	10.83	62.091			
2,400.0	2,365.9	2,214.1	2,192.1	7.4	5.5	100.86	-362.7	-575.5	699.9	688.5	11.37	61.538			
2,500.0	2,463.0	2,305.4	2,280.8	7.8	5.9	103.16	-357.9	-596.9	728.8	716.9	11.90	61.226			
2,600.0	2,560.1	2,396.8	2,369.4	8.3	6.3	105.29	-353.1	-618.3	758.7	746.3	12.42	61.101 SF			
2,700.0	2,657.3	2,488.1	2,458.1	8.7	6.7	107.27	-348.3	-639.7	789.6	776.6	12.92	61.120			
2,800.0	2,754.4	2,579.5	2,546.8	9.2	7.1	109.11	-343.5	-661.1	821.3	807.9	13.41	61.249			
2,900.0	2,851.5	2,670.8	2,635.5	9.6	7.5	110.82	-338.7	-682.5	853.8	839.9	13.89	61.462			
3,000.0	2,948.6	2,762.2	2,724.1	10.1	7.9	112.41	-333.9	-703.9	887.0	872.6	14.37	61.736			
3,100.0	3,045.7	2,853.5	2,812.8	10.5	8.3	113.89	-329.1	-725.3	920.7	905.9	14.84	62.056			
3,200.0	3,142.8	2,944.9	2,901.5	11.0	8.7	115.27	-324.2	-746.8	955.1	939.8	15.30	62.406			
3,300.0	3,239.9	3,036.2	2,990.2	11.4	9.2	116.57	-319.4	-768.2	989.9	974.1	15.77	62.778			
3,400.0	3,337.0	3,127.6	3,078.8	11.9	9.6	117.77	-314.6	-789.6	1,025.1	1,008.9	16.23	63.163			
3,500.0	3,434.2	3,218.9	3,167.5	12.3	10.0	118.90	-309.8	-811.0	1,060.7	1,044.0	16.69	63.553			
3,600.0	3,531.3	3,310.3	3,256.2	12.8	10.4	119.96	-305.0	-832.4	1,096.7	1,079.5	17.15	63.945			
3,700.0	3,628.4	3,401.6	3,344.9	13.2	10.8	120.96	-300.2	-853.8	1,133.0	1,115.4	17.61	64.334			
3,800.0	3,725.5	3,493.0	3,433.6	13.7	11.2	121.89	-295.4	-875.2	1,169.6	1,151.5	18.07	64.718			
3,900.0	3,822.6	3,584.3	3,522.2	14.1	11.6	123.63	-290.6	-896.6	1,206.4	1,187.9	18.52	65.127			
4,000.0	3,919.8	3,675.5	3,610.7	14.5	12.1	128.76	-285.8	-918.0	1,244.4	1,225.5	18.93	65.753			
4,100.0	4,016.9	3,766.3	3,698.8	15.0	12.5	133.83	-281.1	-939.3	1,283.8	1,264.5	19.31	66.492			
4,200.0	4,114.0	3,856.7	3,786.7	15.4	12.9	137.68	-276.3	-960.5	1,324.4	1,304.7	19.69	67.266			
4,300.0	4,211.1	3,947.1	3,874.4	15.9	13.3	138.24	-271.5	-981.6	1,365.6	1,345.4	20.12	67.883			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29LD (EXISTING) - SYNERGY WELL - PLAN														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-142.64	-408.3	-311.7	513.9						
100.0	100.0	88.0	88.0	0.2	0.2	-142.64	-408.3	-311.7	513.7	513.4	0.31	1,681.892			
200.0	200.0	188.0	188.0	0.3	0.3	-142.64	-408.3	-311.7	513.7	513.1	0.65	784.945			
300.0	300.0	288.0	288.0	0.5	0.5	-142.64	-408.3	-311.7	513.7	512.7	1.00	511.921			
400.0	400.0	388.0	388.0	0.7	0.7	55.44	-408.3	-311.7	513.2	511.9	1.35	379.329			
500.0	500.0	488.0	488.0	0.9	0.9	55.70	-408.3	-311.7	511.8	510.1	1.70	300.196			
600.0	599.9	587.9	587.9	1.0	1.0	56.12	-408.3	-311.7	509.3	507.3	2.06	247.096			
700.0	699.7	687.7	687.7	1.2	1.2	56.72	-408.3	-311.7	505.9	503.5	2.43	208.627			
800.0	799.4	787.4	787.4	1.4	1.4	57.51	-408.3	-311.7	501.7	498.9	2.80	179.212			
900.0	898.9	886.9	886.9	1.7	1.5	58.48	-408.3	-311.7	496.6	493.4	3.19	155.814			
1,000.0	998.3	986.3	986.3	1.9	1.7	59.65	-408.3	-311.7	490.7	487.1	3.59	136.641			
1,100.0	1,097.4	1,077.7	1,077.7	2.2	1.9	60.82	-409.4	-311.5	484.9	480.9	4.00	121.167			
1,200.0	1,196.3	1,168.2	1,168.1	2.5	2.0	61.89	-413.2	-310.8	480.3	475.8	4.44	108.275			
1,300.0	1,294.9	1,259.2	1,258.9	2.8	2.2	62.85	-419.8	-309.5	476.8	471.9	4.90	97.297			
1,400.0	1,393.3	1,350.5	1,349.7	3.1	2.4	63.69	-429.4	-307.6	474.4	469.0	5.40	87.814			
1,500.0	1,491.2	1,442.1	1,440.4	3.5	2.6	64.41	-441.8	-305.1	473.1	467.2	5.95	79.527			
1,577.2	1,566.6	1,513.0	1,510.3	3.8	2.8	64.88	-453.3	-302.9	472.8	466.4	6.41	73.813 CC			
1,600.0	1,588.9	1,534.0	1,530.9	3.9	2.9	65.00	-457.0	-302.1	472.9	466.3	6.55	72.229 ES			
1,700.0	1,686.1	1,626.0	1,621.0	4.3	3.2	65.46	-475.2	-298.5	473.6	466.4	7.20	65.806			
1,800.0	1,783.2	1,718.8	1,711.3	4.8	3.5	65.66	-496.3	-294.3	475.8	467.9	7.88	60.351			
1,900.0	1,880.3	1,817.9	1,807.3	5.2	3.9	65.72	-520.5	-289.6	478.8	470.2	8.61	55.582			
2,000.0	1,977.5	1,917.9	1,904.1	5.6	4.3	65.77	-544.8	-284.7	481.8	472.5	9.37	51.449			
2,100.0	2,074.6	2,017.9	2,001.0	6.1	4.7	65.82	-569.2	-279.9	484.9	474.7	10.13	47.863			
2,200.0	2,171.7	2,117.8	2,097.8	6.5	5.1	65.88	-593.5	-275.1	487.9	477.0	10.91	44.736			
2,300.0	2,268.8	2,217.8	2,194.6	6.9	5.5	65.93	-617.9	-270.3	490.9	479.2	11.69	41.991			
2,400.0	2,365.9	2,317.7	2,291.4	7.4	6.0	65.98	-642.2	-265.5	493.9	481.5	12.48	39.569			
2,500.0	2,463.0	2,417.7	2,388.3	7.8	6.4	66.03	-666.6	-260.7	497.0	483.7	13.28	37.420			
2,600.0	2,560.1	2,517.6	2,485.1	8.3	6.8	66.08	-690.9	-255.9	500.0	485.9	14.08	35.501			
2,700.0	2,657.3	2,617.6	2,581.9	8.7	7.3	66.13	-715.3	-251.0	503.0	488.1	14.89	33.780			
2,800.0	2,754.4	2,717.5	2,678.7	9.2	7.7	66.18	-739.6	-246.2	506.1	490.4	15.70	32.228			
2,900.0	2,851.5	2,817.5	2,775.6	9.6	8.2	66.22	-763.9	-241.4	509.1	492.6	16.52	30.823			
3,000.0	2,948.6	2,917.4	2,872.4	10.1	8.6	66.27	-788.3	-236.6	512.1	494.8	17.33	29.545			
3,100.0	3,045.7	3,017.4	2,969.2	10.5	9.1	66.32	-812.6	-231.8	515.2	497.0	18.15	28.378			
3,200.0	3,142.8	3,117.3	3,066.0	11.0	9.5	66.36	-837.0	-227.0	518.2	499.2	18.97	27.309			
3,300.0	3,239.9	3,217.3	3,162.9	11.4	10.0	66.41	-861.3	-222.1	521.2	501.4	19.80	26.327			
3,400.0	3,337.0	3,317.2	3,259.7	11.9	10.5	66.45	-885.7	-217.3	524.2	503.6	20.62	25.420			
3,500.0	3,434.2	3,417.2	3,356.5	12.3	10.9	66.50	-910.0	-212.5	527.3	505.8	21.45	24.582			
3,600.0	3,531.3	3,517.1	3,453.3	12.8	11.4	66.54	-934.4	-207.7	530.3	508.0	22.28	23.804			
3,700.0	3,628.4	3,617.1	3,550.1	13.2	11.8	66.59	-958.7	-202.9	533.3	510.2	23.11	23.080			
3,800.0	3,725.5	3,717.1	3,647.0	13.7	12.3	66.63	-983.0	-198.1	536.4	512.4	23.94	22.406			
3,900.0	3,822.6	3,817.0	3,743.8	14.1	12.8	67.48	-1,007.4	-193.3	539.5	514.7	24.77	21.778			
4,000.0	3,919.8	3,916.9	3,840.6	14.5	13.2	71.63	-1,031.7	-188.4	543.7	518.0	25.61	21.229			
4,100.0	4,016.9	4,016.7	3,937.3	15.0	13.7	75.84	-1,056.0	-183.6	549.5	523.1	26.46	20.771			
4,200.0	4,114.0	4,116.4	4,033.8	15.4	14.1	79.03	-1,080.3	-178.8	557.0	529.7	27.32	20.391			
4,300.0	4,211.1	4,216.1	4,130.4	15.9	14.6	79.22	-1,104.6	-174.0	565.0	536.8	28.20	20.034			
4,400.0	4,308.3	4,315.8	4,226.9	16.3	15.1	79.41	-1,128.9	-169.2	572.9	543.8	29.08	19.699			
4,500.0	4,405.4	4,415.4	4,323.5	16.8	15.5	79.59	-1,153.1	-164.4	580.9	550.9	29.97	19.383			
4,600.0	4,502.5	4,515.1	4,420.0	17.2	16.0	79.76	-1,177.4	-159.6	588.8	558.0	30.85	19.085			
4,700.0	4,599.6	4,614.8	4,516.6	17.7	16.4	79.93	-1,201.7	-154.8	596.8	565.1	31.74	18.802			
4,800.0	4,696.7	4,714.4	4,613.1	18.1	16.9	80.10	-1,226.0	-150.0	604.8	572.2	32.63	18.535			
4,900.0	4,793.8	4,814.1	4,709.7	18.6	17.4	80.26	-1,250.2	-145.2	612.8	579.3	33.52	18.282			
5,000.0	4,891.0	4,913.8	4,806.2	19.0	17.8	80.41	-1,274.5	-140.4	620.8	586.4	34.41	18.042			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29LD (EXISTING) - SYNERGY WELL - PLAN													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	4,988.1	5,013.4	4,902.8	19.5	18.3	80.57	-1,298.8	-135.6	628.8	593.5	35.30	17.813		
5,200.0	5,085.2	5,113.1	4,999.3	19.9	18.8	80.71	-1,323.1	-130.8	636.8	600.6	36.19	17.595		
5,300.0	5,182.3	5,213.6	5,096.7	20.3	19.2	80.86	-1,347.5	-126.0	644.8	607.7	37.08	17.388		
5,400.0	5,279.4	5,325.0	5,205.1	20.8	19.7	81.21	-1,372.3	-121.1	651.7	613.7	38.01	17.148		
5,500.0	5,376.5	5,436.2	5,314.3	21.2	20.1	81.89	-1,392.9	-117.0	657.0	618.0	38.94	16.871		
5,600.0	5,473.7	5,546.9	5,423.8	21.7	20.4	82.89	-1,409.2	-113.8	660.6	620.7	39.88	16.564		
5,700.0	5,570.8	5,656.8	5,532.9	22.1	20.6	84.19	-1,421.3	-111.4	662.8	622.0	40.82	16.238		
5,800.0	5,667.9	5,765.5	5,641.4	22.6	20.8	85.80	-1,429.2	-109.8	663.8	622.0	41.73	15.905		
5,900.0	5,765.0	5,872.9	5,748.6	23.0	20.9	87.70	-1,433.1	-109.0	663.8	621.2	42.61	15.577		
6,000.0	5,862.1	5,974.3	5,850.1	23.5	21.0	89.75	-1,433.6	-109.0	663.4	620.0	43.45	15.268		
6,012.4	5,874.1	5,986.3	5,862.1	23.5	21.0	90.00	-1,433.6	-109.0	663.4	619.9	43.55	15.234		
6,100.0	5,959.2	6,071.4	5,947.2	23.9	21.1	91.75	-1,433.6	-109.0	663.7	619.5	44.23	15.006		
6,200.0	6,056.3	6,168.6	6,044.3	24.4	21.2	93.75	-1,433.6	-109.0	664.9	619.9	44.97	14.786		
6,300.0	6,153.5	6,265.7	6,141.5	24.8	21.3	95.73	-1,433.6	-109.0	666.9	621.3	45.66	14.606		
6,400.0	6,250.6	6,362.8	6,238.6	25.3	21.4	97.70	-1,433.6	-109.0	669.8	623.5	46.31	14.463		
6,500.0	6,347.7	6,459.9	6,335.7	25.7	21.5	99.66	-1,433.6	-109.0	673.5	626.6	46.92	14.356		
6,600.0	6,444.8	6,557.0	6,432.8	26.2	21.6	101.59	-1,433.6	-109.0	678.0	630.6	47.47	14.283		
6,700.0	6,541.9	6,654.1	6,529.9	26.6	21.6	103.50	-1,433.6	-109.0	683.4	635.4	47.99	14.241		
6,800.0	6,639.0	6,751.3	6,627.0	27.1	21.7	105.37	-1,433.6	-109.0	689.5	641.0	48.45	14.229 SF		
6,900.0	6,736.2	6,848.4	6,724.2	27.5	21.8	107.21	-1,433.6	-109.0	696.3	647.5	48.88	14.246		
7,000.0	6,833.3	6,945.5	6,821.3	28.0	21.9	109.02	-1,433.6	-109.0	704.0	654.7	49.26	14.289		
7,100.0	6,930.4	7,042.6	6,918.4	28.4	22.0	110.79	-1,433.6	-109.0	712.3	662.7	49.61	14.358		
7,200.0	7,027.5	7,139.7	7,015.5	28.9	22.1	112.51	-1,433.6	-109.0	721.3	671.4	49.92	14.450		
7,300.0	7,124.6	7,236.8	7,112.6	29.3	22.2	114.20	-1,433.6	-109.0	731.0	680.8	50.19	14.564		
7,400.0	7,221.7	7,334.0	7,209.7	29.8	22.3	115.84	-1,433.6	-109.0	741.3	690.9	50.43	14.699		
7,500.0	7,318.9	7,431.1	7,306.9	30.3	22.4	117.44	-1,433.6	-109.0	752.3	701.6	50.65	14.853		
7,600.0	7,417.1	7,529.3	7,405.1	30.5	22.5	156.29	-1,433.6	-109.0	763.8	713.2	50.55	15.109		
7,700.0	7,516.3	7,628.5	7,504.3	30.6	22.6	-132.40	-1,433.6	-109.0	775.3	724.9	50.44	15.371		
7,800.0	7,613.3	7,725.5	7,601.3	30.4	22.7	-110.75	-1,433.6	-109.0	786.7	736.4	50.33	15.631		
7,900.0	7,705.3	7,817.5	7,693.3	29.9	22.8	-104.66	-1,433.6	-109.0	799.0	748.9	50.10	15.946		
8,000.0	7,789.4	7,901.6	7,777.4	29.3	22.9	-102.88	-1,433.6	-109.0	813.8	764.2	49.60	16.406		
8,100.0	7,863.1	7,975.3	7,851.1	28.5	23.0	-102.40	-1,433.6	-109.0	833.4	784.7	48.76	17.093		
8,200.0	7,924.2	8,036.4	7,912.2	27.5	23.0	-101.83	-1,433.6	-109.0	859.8	812.2	47.64	18.049		
8,300.0	7,970.8	8,083.0	7,958.8	26.5	23.1	-100.25	-1,433.6	-109.0	894.5	848.0	46.42	19.267		
8,400.0	8,001.4	8,113.6	7,989.4	25.5	23.1	-97.06	-1,433.6	-109.0	937.6	892.4	45.29	20.703		
8,500.0	8,015.2	8,127.4	8,003.2	24.5	23.1	-91.92	-1,433.6	-109.0	988.5	944.2	44.29	22.321		
8,600.0	8,016.0	8,128.2	8,004.0	23.5	23.1	-90.00	-1,433.6	-109.0	1,045.8	1,002.5	43.24	24.183		
8,700.0	8,016.0	8,128.2	8,004.0	22.7	23.1	-90.00	-1,433.6	-109.0	1,109.0	1,066.8	42.25	26.249		
8,800.0	8,016.0	8,128.2	8,004.0	21.9	23.1	-90.00	-1,433.6	-109.0	1,177.4	1,136.0	41.37	28.459		
8,900.0	8,016.0	8,128.2	8,004.0	21.3	23.1	-90.00	-1,433.6	-109.0	1,250.0	1,209.4	40.62	30.771		
9,000.0	8,016.0	8,128.2	8,004.0	20.8	23.1	-90.00	-1,433.6	-109.0	1,326.2	1,286.2	40.02	33.136		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29PD (EXISTING) - SYNERGY WELL - SUR													Offset Site Error:	0.0 ft
Survey Program: 218-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
4,000.0	3,919.8	4,427.0	4,262.7	14.5	21.8	-87.68	-273.5	1,520.0	1,393.2	1,365.2	28.04	49.689		
4,100.0	4,016.9	4,504.5	4,337.3	15.0	22.1	-84.91	-266.0	1,500.5	1,370.0	1,340.9	29.10	47.085		
4,200.0	4,114.0	4,584.7	4,415.1	15.4	22.5	-83.21	-260.0	1,481.6	1,346.8	1,316.7	30.14	44.691		
4,300.0	4,211.1	4,710.0	4,536.5	15.9	23.1	-85.31	-252.5	1,451.8	1,323.8	1,292.3	31.47	42.059		
4,400.0	4,308.3	4,790.6	4,614.4	16.3	23.5	-86.68	-248.4	1,431.7	1,300.3	1,267.8	32.50	40.016		
4,500.0	4,405.4	4,875.6	4,696.9	16.8	23.9	-88.15	-244.5	1,411.3	1,278.6	1,245.1	33.53	38.129		
4,600.0	4,502.5	4,991.0	4,808.8	17.2	24.5	-90.16	-240.4	1,383.2	1,257.3	1,222.5	34.79	36.138		
4,700.0	4,599.6	5,055.2	4,870.9	17.7	24.7	-91.34	-237.7	1,367.2	1,236.9	1,201.2	35.72	34.631		
4,800.0	4,696.7	5,152.4	4,965.1	18.1	25.2	-93.21	-232.0	1,344.0	1,219.3	1,182.4	36.89	33.049		
4,900.0	4,793.8	5,234.7	5,044.7	18.6	25.6	-94.82	-227.6	1,323.5	1,201.9	1,164.0	37.96	31.663		
5,000.0	4,891.0	5,301.6	5,109.5	19.0	25.9	-96.17	-223.3	1,307.7	1,187.4	1,148.5	38.90	30.526		
5,100.0	4,988.1	5,366.0	5,172.3	19.5	26.2	-97.45	-219.1	1,294.1	1,176.3	1,136.5	39.79	29.564		
5,200.0	5,085.2	5,441.0	5,245.9	19.9	26.4	-98.89	-214.6	1,280.2	1,168.1	1,127.4	40.69	28.707		
5,300.0	5,182.3	5,519.3	5,323.1	20.3	26.7	-100.32	-210.6	1,267.5	1,162.5	1,120.9	41.57	27.966		
5,400.0	5,279.4	5,603.4	5,406.2	20.8	26.9	-101.80	-206.8	1,255.5	1,158.9	1,116.5	42.43	27.314		
5,500.0	5,376.5	5,690.5	5,492.5	21.2	27.2	-103.29	-203.3	1,244.0	1,157.0	1,113.7	43.27	26.742		
5,569.3	5,443.9	5,749.8	5,551.3	21.6	27.3	-104.28	-201.1	1,236.9	1,156.6	1,112.8	43.82	26.397		
5,600.0	5,473.7	5,773.9	5,575.2	21.7	27.4	-104.68	-200.2	1,234.1	1,156.7	1,112.7	44.04	26.266		
5,700.0	5,570.8	5,853.4	5,654.3	22.1	27.6	-105.95	-197.5	1,226.3	1,158.6	1,113.8	44.75	25.887		
5,800.0	5,667.9	5,935.1	5,735.7	22.6	27.7	-107.18	-194.8	1,219.7	1,162.4	1,117.0	45.43	25.586		
5,900.0	5,765.0	6,023.0	5,823.4	23.0	27.8	-108.44	-192.2	1,214.2	1,167.9	1,121.8	46.08	25.344		
6,000.0	5,862.1	6,101.0	5,901.3	23.5	27.9	-109.42	-191.0	1,212.1	1,175.2	1,128.6	46.62	25.211		
6,100.0	5,959.2	6,204.5	6,004.7	23.9	28.0	-110.76	-188.7	1,208.3	1,183.0	1,135.7	47.22	25.049		
6,200.0	6,056.3	6,295.0	6,095.2	24.4	28.1	-111.90	-186.7	1,205.4	1,191.7	1,143.9	47.78	24.941		
6,300.0	6,153.5	6,390.4	6,190.5	24.8	28.2	-113.06	-184.7	1,203.0	1,201.2	1,152.9	48.31	24.866		
6,400.0	6,250.6	6,486.4	6,286.4	25.3	28.3	-114.19	-182.8	1,200.9	1,211.3	1,162.5	48.81	24.815		
6,500.0	6,347.7	6,576.3	6,376.3	25.7	28.4	-115.20	-181.2	1,199.5	1,222.1	1,172.9	49.28	24.801		
6,600.0	6,444.8	6,666.0	6,466.1	26.2	28.5	-116.17	-179.6	1,199.0	1,234.0	1,184.2	49.73	24.816		
6,700.0	6,541.9	6,760.2	6,560.2	26.6	28.5	-117.14	-177.8	1,199.1	1,246.6	1,196.5	50.15	24.858		
6,800.0	6,639.0	6,855.1	6,655.1	27.1	28.6	-118.09	-176.1	1,199.7	1,259.8	1,209.2	50.56	24.918		
6,900.0	6,736.2	6,941.9	6,741.9	27.5	28.7	-118.92	-174.4	1,200.6	1,273.7	1,222.7	50.95	24.997		
7,000.0	6,833.3	7,027.4	6,827.3	28.0	28.7	-119.72	-172.0	1,201.9	1,288.8	1,237.5	51.34	25.105		
7,100.0	6,930.4	7,120.2	6,920.1	28.4	28.7	-120.57	-169.0	1,203.7	1,304.9	1,253.2	51.70	25.241		
7,200.0	7,027.5	7,216.6	7,016.4	28.9	28.8	-121.42	-166.0	1,206.0	1,321.3	1,269.3	52.04	25.390		
7,300.0	7,124.6	7,317.8	7,117.5	29.3	28.8	-122.27	-163.1	1,208.7	1,338.0	1,285.6	52.37	25.547		
7,400.0	7,221.7	7,420.8	7,220.4	29.8	28.9	-123.10	-160.6	1,211.3	1,354.4	1,301.7	52.69	25.706		
7,500.0	7,318.9	7,523.0	7,322.6	30.3	28.9	-123.91	-158.6	1,213.8	1,370.7	1,317.7	53.00	25.864		
7,600.0	7,417.1	7,626.4	7,425.9	30.5	29.0	-88.19	-156.8	1,216.1	1,380.4	1,327.2	53.27	25.912		
7,700.0	7,516.3	7,728.9	7,528.5	30.6	29.1	-17.86	-155.1	1,217.6	1,374.4	1,321.7	52.64	26.108		
7,800.0	7,613.3	7,833.5	7,633.0	30.4	29.2	5.08	-153.3	1,218.3	1,352.6	1,301.5	51.06	26.490		
7,900.0	7,705.3	7,942.8	7,742.3	29.9	29.2	14.76	-153.0	1,220.0	1,315.0	1,266.4	48.67	27.018		
8,000.0	7,789.4	8,032.4	7,831.9	29.3	29.2	22.31	-154.4	1,222.8	1,263.1	1,217.4	45.74	27.616		
8,100.0	7,863.1	8,103.5	7,902.9	28.5	29.2	30.54	-155.7	1,225.4	1,199.7	1,157.1	42.61	28.156		
8,200.0	7,924.2	8,161.9	7,961.2	27.5	29.2	41.06	-156.8	1,227.7	1,127.4	1,087.5	39.88	28.272		
8,300.0	7,970.8	8,205.1	8,004.4	26.5	29.2	54.63	-157.6	1,229.6	1,049.0	1,010.9	38.18	27.477		
8,400.0	8,001.4	8,232.9	8,032.1	25.5	29.2	70.28	-158.1	1,230.8	967.9	930.4	37.55	25.779		
8,500.0	8,015.2	8,244.5	8,043.7	24.5	29.2	84.99	-158.3	1,231.3	887.6	850.5	37.13	23.904		
8,600.0	8,016.0	8,243.6	8,042.8	23.5	29.2	88.62	-158.3	1,231.3	811.5	775.3	36.23	22.399		
8,700.0	8,016.0	8,241.9	8,041.1	22.7	29.2	88.45	-158.2	1,231.2	741.1	705.9	35.23	21.037		
8,800.0	8,016.0	8,240.2	8,039.4	21.9	29.2	88.27	-158.2	1,231.1	678.3	643.9	34.35	19.748		
8,900.0	8,016.0	8,238.4	8,037.7	21.3	29.2	88.09	-158.2	1,231.0	625.1	591.5	33.59	18.610		
9,000.0	8,016.0	8,236.7	8,035.9	20.8	29.2	87.91	-158.2	1,231.0	584.4	551.4	32.99	17.716		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29PD (EXISTING) - SYNERGY WELL - SUR													Offset Site Error:	0.0 ft
Survey Program: 218-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		
9,100.0	8,016.0	8,234.9	8,034.2	20.5	29.2	87.73	-158.1	1,230.9	558.8	526.2	32.54	17.170	17.046 CC, ES, SF	
9,196.4	8,016.0	8,233.2	8,032.4	20.2	29.2	87.55	-158.1	1,230.8	550.4	518.1	32.29	17.051		
9,200.0	8,016.0	8,233.1	8,032.4	20.2	29.2	87.54	-158.1	1,230.8	550.4	518.1	32.28	17.393		
9,300.0	8,016.0	8,231.3	8,030.6	20.2	29.2	87.35	-158.1	1,230.7	560.0	527.8	32.20	18.164		
9,400.0	8,016.0	8,229.5	8,028.8	20.3	29.2	87.16	-158.0	1,230.7	586.8	554.5	32.31	19.282		
9,500.0	8,016.0	8,227.7	8,026.9	20.5	29.2	86.97	-158.0	1,230.6	628.5	595.9	32.60	20.642	23.707	
9,600.0	8,016.0	8,225.9	8,025.1	20.9	29.2	86.78	-158.0	1,230.5	682.5	649.4	33.06	22.144		
9,700.0	8,016.0	8,224.0	8,023.2	21.4	29.2	86.59	-157.9	1,230.4	745.9	712.3	33.69	25.271		
9,800.0	8,016.0	8,222.1	8,021.3	22.1	29.2	86.39	-157.9	1,230.3	816.8	782.3	34.45	26.795		
9,900.0	8,016.0	8,220.2	8,019.4	22.8	29.2	86.19	-157.9	1,230.3	893.2	857.8	35.34	28.255		
10,000.0	8,016.0	8,218.3	8,017.5	23.7	29.2	85.99	-157.8	1,230.2	973.9	937.5	36.35	29.638	30.938	
10,100.0	8,016.0	8,216.3	8,015.6	24.7	29.2	85.79	-157.8	1,230.1	1,057.9	1,020.4	37.44	29.638		
10,200.0	8,016.0	8,214.4	8,013.6	25.7	29.2	85.59	-157.8	1,230.0	1,144.4	1,105.8	38.61	30.938		
10,300.0	8,016.0	8,212.4	8,011.6	26.9	29.2	85.38	-157.7	1,229.9	1,233.0	1,193.2	39.85	32.155		
10,400.0	8,016.0	8,210.4	8,009.6	28.1	29.2	85.17	-157.7	1,229.8	1,323.3	1,282.1	41.15			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29QD (EXISTING) - SYNERGY WELL - PLA														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-146.35	-408.7	-272.0	491.0						
100.0	100.0	89.0	89.0	0.2	0.2	-146.35	-408.7	-272.0	490.9	490.6	0.31	1,597.958			
200.0	200.0	189.0	189.0	0.3	0.3	-146.35	-408.7	-272.0	490.9	490.2	0.66	748.034			
300.0	300.0	279.2	279.2	0.5	0.5	-146.44	-409.7	-271.8	491.8	490.8	0.99	496.633			
400.0	400.0	368.0	367.9	0.7	0.7	51.30	-413.5	-271.1	494.4	493.0	1.33	372.816			
500.0	500.0	457.7	457.4	0.9	0.8	50.96	-420.1	-270.0	498.1	496.5	1.67	297.680			
600.0	599.9	560.4	559.5	1.0	1.1	50.39	-429.7	-266.5	501.5	499.4	2.08	241.565			
700.0	699.7	662.7	661.0	1.2	1.4	49.59	-440.8	-259.7	503.2	500.7	2.52	199.775			
800.0	799.4	764.7	761.7	1.4	1.7	48.56	-453.2	-249.5	503.4	500.4	3.01	167.205			
900.0	898.9	866.0	861.2	1.7	2.0	47.28	-467.0	-236.2	502.3	498.8	3.56	141.233			
1,000.0	998.3	966.6	959.2	1.9	2.5	45.76	-482.1	-219.8	499.9	495.8	4.16	120.280			
1,100.0	1,097.4	1,066.2	1,055.7	2.2	2.9	43.98	-498.3	-200.4	496.5	491.7	4.81	103.275			
1,200.0	1,196.3	1,164.9	1,150.2	2.5	3.4	41.95	-515.6	-178.2	492.3	486.8	5.50	89.433			
1,300.0	1,294.9	1,262.4	1,242.7	2.8	4.0	39.65	-533.9	-153.2	487.5	481.3	6.24	78.137			
1,400.0	1,393.3	1,359.5	1,333.8	3.1	4.6	37.13	-553.2	-126.0	482.4	475.5	6.97	69.181			
1,500.0	1,491.2	1,456.9	1,425.2	3.5	5.2	34.62	-572.6	-98.4	477.0	469.3	7.69	62.006			
1,600.0	1,588.9	1,554.5	1,516.8	3.9	5.8	32.16	-592.1	-70.8	471.1	462.7	8.39	56.157			
1,700.0	1,686.1	1,652.2	1,608.4	4.3	6.4	29.74	-611.6	-43.1	464.6	455.6	9.06	51.307			
1,800.0	1,783.2	1,749.9	1,700.1	4.8	7.1	27.26	-631.1	-15.4	458.6	448.9	9.69	47.334			
1,900.0	1,880.3	1,847.6	1,791.7	5.2	7.7	24.72	-650.5	12.2	453.4	443.2	10.27	44.150			
2,000.0	1,977.5	1,945.3	1,883.4	5.6	8.3	22.12	-670.0	39.9	449.3	438.5	10.80	41.597			
2,100.0	2,074.6	2,043.0	1,975.0	6.1	8.9	19.49	-689.5	67.6	446.1	434.8	11.28	39.557			
2,200.0	2,171.7	2,140.7	2,066.7	6.5	9.6	16.83	-709.0	95.3	443.8	432.1	11.70	37.942			
2,300.0	2,268.8	2,238.4	2,158.4	6.9	10.2	14.15	-728.5	122.9	442.6	430.6	12.07	36.680			
2,367.3	2,334.2	2,304.2	2,220.1	7.2	10.6	12.34	-741.6	141.6	442.4	430.1	12.29	36.000 CC			
2,400.0	2,365.9	2,336.2	2,250.0	7.4	10.8	11.46	-748.0	150.6	442.5	430.1	12.39	35.713			
2,500.0	2,463.0	2,433.9	2,341.7	7.8	11.5	8.77	-767.5	178.3	443.3	430.6	12.67	34.993			
2,600.0	2,560.1	2,531.6	2,433.4	8.3	12.1	6.10	-787.0	206.0	445.2	432.3	12.91	34.479			
2,700.0	2,657.3	2,629.3	2,525.0	8.7	12.7	3.46	-806.4	233.6	448.0	434.9	13.13	34.134			
2,800.0	2,754.4	2,727.0	2,616.7	9.2	13.4	0.85	-825.9	261.3	451.9	438.6	13.32	33.924			
2,900.0	2,851.5	2,824.7	2,708.4	9.6	14.0	-1.71	-845.4	289.0	456.7	443.2	13.50	33.823			
3,000.0	2,948.6	2,922.4	2,800.0	10.1	14.6	-4.21	-864.9	316.7	462.4	448.7	13.68	33.802			
3,100.0	3,045.7	3,020.2	2,891.7	10.5	15.3	-6.65	-884.4	344.3	469.0	455.2	13.86	33.840			
3,200.0	3,142.8	3,117.9	2,983.3	11.0	15.9	-9.02	-903.9	372.0	476.5	462.5	14.05	33.916			
3,300.0	3,239.9	3,215.6	3,075.0	11.4	16.5	-11.32	-923.4	399.7	484.8	470.6	14.25	34.014			
3,400.0	3,337.0	3,313.3	3,166.7	11.9	17.2	-13.54	-942.9	427.4	493.9	479.4	14.48	34.119			
3,500.0	3,434.2	3,411.0	3,258.3	12.3	17.8	-15.67	-962.3	455.0	503.7	489.0	14.72	34.218			
3,600.0	3,531.3	3,508.7	3,350.0	12.8	18.4	-17.73	-981.8	482.7	514.2	499.2	14.99	34.300			
3,700.0	3,628.4	3,606.4	3,441.7	13.2	19.1	-19.71	-1,001.3	510.4	525.4	510.1	15.29	34.356			
3,800.0	3,725.5	3,704.1	3,533.3	13.7	19.7	-21.60	-1,020.8	538.1	537.2	521.5	15.62	34.379			
3,900.0	3,822.6	3,801.9	3,625.0	14.1	20.4	-22.62	-1,040.3	565.7	549.5	533.5	15.99	34.368			
4,000.0	3,919.8	3,899.8	3,716.9	14.5	21.0	-20.28	-1,059.8	593.5	562.0	545.6	16.37	34.339			
4,100.0	4,016.9	3,998.1	3,809.1	15.0	21.6	-17.70	-1,079.4	621.3	574.3	557.5	16.76	34.260			
4,200.0	4,114.0	4,096.6	3,901.5	15.4	22.3	-15.94	-1,099.1	649.2	586.3	569.1	17.17	34.136			
4,300.0	4,211.1	4,195.2	3,994.0	15.9	22.9	-17.04	-1,118.8	677.2	598.3	580.7	17.61	33.974			
4,400.0	4,308.3	4,293.9	4,086.5	16.3	23.6	-18.09	-1,138.4	705.1	610.6	592.6	18.07	33.795			
4,500.0	4,405.4	4,392.5	4,179.1	16.8	24.2	-19.10	-1,158.1	733.0	623.1	604.6	18.54	33.599			
4,600.0	4,502.5	4,491.1	4,271.6	17.2	24.8	-20.08	-1,177.8	760.9	635.8	616.7	19.04	33.388			
4,700.0	4,599.6	4,589.7	4,364.1	17.7	25.5	-21.01	-1,197.4	788.9	648.6	629.0	19.56	33.163			
4,800.0	4,696.7	4,688.3	4,456.6	18.1	26.1	-21.91	-1,217.1	816.8	661.6	641.5	20.09	32.926			
4,900.0	4,793.8	4,787.0	4,549.1	18.6	26.8	-22.78	-1,236.8	844.7	674.7	654.1	20.65	32.679			
5,000.0	4,891.0	4,885.6	4,641.6	19.0	27.4	-23.61	-1,256.4	872.7	688.1	666.8	21.22	32.425			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 29QD (EXISTING) - SYNERGY WELL - PLA													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,100.0	4,988.1	4,984.2	4,734.1	19.5	28.1	-24.41	-1,276.1	900.6	701.5	679.7	21.81	32.165		
5,200.0	5,085.2	5,082.8	4,826.7	19.9	28.7	-25.18	-1,295.8	928.5	715.1	692.7	22.41	31.902		
5,300.0	5,182.3	5,181.4	4,919.2	20.3	29.3	-25.92	-1,315.4	956.5	728.8	705.7	23.04	31.636		
5,400.0	5,279.4	5,281.6	5,013.1	20.8	30.0	-26.65	-1,335.4	984.8	742.6	718.9	23.68	31.363		
5,500.0	5,376.5	5,415.4	5,139.7	21.2	30.8	-27.59	-1,360.2	1,020.1	754.0	729.5	24.47	30.811		
5,600.0	5,473.7	5,550.2	5,269.3	21.7	31.4	-28.55	-1,381.8	1,050.7	760.9	735.6	25.31	30.069		
5,700.0	5,570.8	5,685.6	5,400.9	22.1	32.0	-29.54	-1,399.9	1,076.4	763.2	737.1	26.18	29.152		
5,800.0	5,667.9	5,820.9	5,533.8	22.6	32.4	-30.58	-1,414.4	1,097.0	761.0	733.9	27.11	28.077		
5,900.0	5,765.0	5,955.4	5,667.0	23.0	32.8	-31.67	-1,425.2	1,112.3	754.3	726.3	28.08	26.861		
6,000.0	5,862.1	6,088.6	5,799.7	23.5	33.0	-32.86	-1,432.3	1,122.5	743.2	714.1	29.12	25.520		
6,100.0	5,959.2	6,220.0	5,930.9	23.9	33.2	-34.15	-1,435.9	1,127.5	727.8	697.5	30.23	24.072		
6,200.0	6,056.3	6,334.5	6,045.3	24.4	33.2	-35.40	-1,436.4	1,128.2	708.6	677.3	31.32	22.625		
6,300.0	6,153.5	6,431.6	6,142.5	24.8	33.3	-36.54	-1,436.4	1,128.2	689.1	656.8	32.35	21.305		
6,400.0	6,250.6	6,528.7	6,239.6	25.3	33.3	-37.74	-1,436.4	1,128.2	669.9	636.5	33.42	20.043		
6,500.0	6,347.7	6,625.8	6,336.7	25.7	33.4	-39.01	-1,436.4	1,128.2	651.0	616.5	34.56	18.838		
6,600.0	6,444.8	6,722.9	6,433.8	26.2	33.5	-40.36	-1,436.4	1,128.2	632.5	596.7	35.75	17.691		
6,700.0	6,541.9	6,820.1	6,530.9	26.6	33.5	-41.78	-1,436.4	1,128.2	614.3	577.3	37.01	16.599		
6,800.0	6,639.0	6,917.2	6,628.0	27.1	33.6	-43.28	-1,436.4	1,128.2	596.5	558.1	38.32	15.565		
6,900.0	6,736.2	7,014.3	6,725.2	27.5	33.6	-44.88	-1,436.4	1,128.2	579.1	539.4	39.70	14.586		
7,000.0	6,833.3	7,111.4	6,822.3	28.0	33.7	-46.57	-1,436.4	1,128.2	562.2	521.1	41.15	13.663		
7,100.0	6,930.4	7,208.5	6,919.4	28.4	33.8	-48.35	-1,436.4	1,128.2	545.8	503.2	42.66	12.795		
7,200.0	7,027.5	7,305.6	7,016.5	28.9	33.8	-50.25	-1,436.4	1,128.2	530.0	485.8	44.23	11.982		
7,300.0	7,124.6	7,402.7	7,113.6	29.3	33.9	-52.25	-1,436.4	1,128.2	514.8	469.0	45.87	11.224		
7,400.0	7,221.7	7,499.9	7,210.7	29.8	34.0	-54.37	-1,436.4	1,128.2	500.3	452.8	47.56	10.519		
7,500.0	7,318.9	7,597.0	7,307.9	30.3	34.0	-56.61	-1,436.4	1,128.2	486.5	437.2	49.30	9.868		
7,600.0	7,417.1	7,695.2	7,406.1	30.5	34.1	-20.22	-1,436.4	1,128.2	473.9	424.1	49.84	9.508		
7,700.0	7,516.3	7,794.4	7,505.3	30.6	34.2	51.87	-1,436.4	1,128.2	462.6	413.6	49.05	9.431 SF		
7,800.0	7,613.3	7,891.4	7,602.3	30.4	34.2	77.43	-1,436.4	1,128.2	453.6	406.5	47.12	9.627		
7,900.0	7,705.3	7,983.4	7,694.3	29.9	34.3	89.69	-1,436.4	1,128.2	449.6	405.1	44.49	10.104 ES		
7,903.1	7,708.0	7,986.2	7,697.0	29.9	34.3	90.00	-1,436.4	1,128.2	449.5	405.1	44.40	10.124		
8,000.0	7,789.4	8,067.5	7,778.4	29.3	34.4	98.37	-1,436.4	1,128.2	454.6	412.7	41.88	10.855		
8,100.0	7,863.1	8,141.2	7,852.1	28.5	34.4	104.65	-1,436.4	1,128.2	473.1	433.1	39.99	11.830		
8,200.0	7,924.2	8,202.3	7,913.2	27.5	34.5	108.17	-1,436.4	1,128.2	508.1	468.7	39.39	12.899		
8,300.0	7,970.8	8,248.9	7,959.8	26.5	34.5	108.29	-1,436.4	1,128.2	560.0	519.6	40.41	13.858		
8,400.0	8,001.4	8,279.5	7,990.4	25.5	34.5	104.06	-1,436.4	1,128.2	626.6	583.8	42.81	14.638		
8,500.0	8,015.2	8,293.3	8,004.2	24.5	34.5	94.21	-1,436.4	1,128.2	704.1	659.1	45.04	15.632		
8,600.0	8,016.0	8,294.1	8,005.0	23.5	34.5	90.00	-1,436.4	1,128.2	788.1	743.7	44.45	17.732		
8,700.0	8,016.0	8,294.1	8,005.0	22.7	34.5	90.00	-1,436.4	1,128.2	875.6	832.1	43.45	20.149		
8,800.0	8,016.0	8,294.1	8,005.0	21.9	34.5	90.00	-1,436.4	1,128.2	965.5	922.9	42.58	22.677		
8,900.0	8,016.0	8,294.1	8,005.0	21.3	34.5	90.00	-1,436.4	1,128.2	1,057.2	1,015.4	41.83	25.275		
9,000.0	8,016.0	8,294.1	8,005.0	20.8	34.5	90.00	-1,436.4	1,128.2	1,150.3	1,109.1	41.23	27.901		
9,100.0	8,016.0	8,294.1	8,005.0	20.5	34.5	90.00	-1,436.4	1,128.2	1,244.4	1,203.7	40.79	30.507		
9,200.0	8,016.0	8,294.1	8,005.0	20.2	34.5	90.00	-1,436.4	1,128.2	1,339.5	1,298.9	40.53	33.045		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 31-29D (EXISTING) - SYNERGY WELL - SU													Offset Site Error: 0.0 ft
Survey Program: 248-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis		
11,900.0	8,016.0	8,269.3	8,080.4	50.1	28.2	89.65	3,181.7	1,806.0	1,384.9	1,312.4	72.47	19.111	
12,000.0	8,016.0	8,269.3	8,080.5	51.7	28.2	89.65	3,181.7	1,806.0	1,343.9	1,269.8	74.14	18.128	
12,100.0	8,016.0	8,269.3	8,080.5	53.3	28.2	89.66	3,181.7	1,806.0	1,310.9	1,235.1	75.80	17.295	
12,200.0	8,016.0	8,269.3	8,080.5	54.9	28.2	89.66	3,181.7	1,806.0	1,286.6	1,209.2	77.45	16.612	
12,300.0	8,016.0	8,269.3	8,080.5	56.5	28.2	89.66	3,181.7	1,806.0	1,271.4	1,192.3	79.09	16.076	
12,400.0	8,016.0	8,269.3	8,080.5	58.1	28.2	89.66	3,181.7	1,806.0	1,265.8	1,185.0	80.71	15.682	
12,409.8	8,016.0	8,269.3	8,080.4	58.3	28.2	89.66	3,181.7	1,806.0	1,265.7	1,184.8	80.87	15.650 CC, ES	
12,500.0	8,016.0	8,269.3	8,080.4	59.7	28.2	89.66	3,181.7	1,806.0	1,269.5	1,187.2	82.36	15.415	
12,600.0	8,016.0	8,269.2	8,080.4	61.4	28.2	89.66	3,181.7	1,806.0	1,281.4	1,197.3	84.05	15.246	
12,700.0	8,016.0	8,269.2	8,080.4	63.0	28.2	89.65	3,181.7	1,806.0	1,300.8	1,215.1	85.74	15.172 SF	
12,800.0	8,016.0	8,269.2	8,080.3	64.6	28.2	89.65	3,181.7	1,806.0	1,327.6	1,240.1	87.43	15.184	
12,900.0	8,016.0	8,269.1	8,080.3	66.3	28.2	89.65	3,181.7	1,806.0	1,361.1	1,272.0	89.13	15.271	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 32-29D (EXISTING) - SYNERGY WELL - SU													Offset Site Error:	0.0 ft
Survey Program: 154-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,500.0	8,016.0	8,138.4	8,023.8	29.3	21.2	87.15	1,820.7	1,840.5	1,392.3	1,350.7	41.58	33.483		
10,600.0	8,016.0	8,141.9	8,027.4	30.6	21.2	87.31	1,820.8	1,840.6	1,348.3	1,305.3	43.00	31.354		
10,700.0	8,016.0	8,145.6	8,031.0	31.9	21.2	87.48	1,820.9	1,840.7	1,310.4	1,266.0	44.46	29.475		
10,800.0	8,016.0	8,149.4	8,034.8	33.3	21.2	87.66	1,821.1	1,840.8	1,279.3	1,233.4	45.95	27.842		
10,900.0	8,016.0	8,153.3	8,038.7	34.7	21.2	87.84	1,821.2	1,840.9	1,255.4	1,207.9	47.47	26.448		
11,000.0	8,016.0	8,157.3	8,042.8	36.2	21.2	88.03	1,821.4	1,841.0	1,239.1	1,190.1	49.01	25.283		
11,100.0	8,016.0	8,161.5	8,047.0	37.7	21.2	88.23	1,821.5	1,841.2	1,230.7	1,180.1	50.57	24.336		
11,153.6	8,016.0	8,163.8	8,049.3	38.5	21.2	88.34	1,821.6	1,841.2	1,229.5	1,178.1	51.42	23.912 CC, ES		
11,200.0	8,016.0	8,165.9	8,051.3	39.1	21.2	88.43	1,821.7	1,841.3	1,230.4	1,178.3	52.15	23.592		
11,300.0	8,016.0	8,170.4	8,055.8	40.7	21.2	88.64	1,821.8	1,841.4	1,238.2	1,184.5	53.75	23.036		
11,400.0	8,016.0	8,175.1	8,060.5	42.2	21.2	88.86	1,822.0	1,841.5	1,253.9	1,198.6	55.36	22.650		
11,500.0	8,016.0	8,179.9	8,065.4	43.7	21.2	89.08	1,822.2	1,841.7	1,277.3	1,220.3	56.99	22.414		
11,600.0	8,016.0	8,185.0	8,070.4	45.3	21.3	89.32	1,822.4	1,841.8	1,307.9	1,249.3	58.62	22.311 SF		
11,700.0	8,016.0	8,190.2	8,075.6	46.9	21.3	89.56	1,822.6	1,841.9	1,345.3	1,285.0	60.27	22.322		
11,800.0	8,016.0	8,195.7	8,081.1	48.5	21.3	89.82	1,822.8	1,842.0	1,388.8	1,326.9	61.92	22.429		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 33-29PD (EXISTING) - SYNERGY WELL - S													Offset Site Error:	0.0 ft
Survey Program: 127-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		
9,200.0	8,016.0	8,191.0	8,024.6	20.2	26.4	88.54	512.8	1,846.7	1,353.1	1,313.5	39.60	34.169		
9,300.0	8,016.0	8,193.1	8,026.6	20.2	26.4	88.63	512.9	1,846.8	1,308.4	1,268.8	39.53	33.097		
9,400.0	8,016.0	8,195.1	8,028.7	20.3	26.4	88.73	512.9	1,846.8	1,269.9	1,230.3	39.65	32.027		
9,500.0	8,016.0	8,197.2	8,030.8	20.5	26.4	88.83	513.0	1,846.8	1,238.4	1,198.4	39.95	30.995		
9,600.0	8,016.0	8,199.4	8,032.9	20.9	26.4	88.94	513.0	1,846.8	1,214.3	1,173.8	40.43	30.032		
9,700.0	8,016.0	8,201.6	8,035.1	21.4	26.4	89.04	513.1	1,846.9	1,198.1	1,157.0	41.07	29.170		
9,800.0	8,016.0	8,203.8	8,037.4	22.1	26.4	89.15	513.1	1,846.9	1,190.0	1,148.2	41.85	28.433		
9,845.8	8,016.0	8,204.8	8,038.4	22.4	26.4	89.20	513.1	1,846.9	1,189.2	1,146.9	42.27	28.132 CC, ES		
9,900.0	8,016.0	8,206.0	8,039.6	22.8	26.4	89.26	513.2	1,846.9	1,190.4	1,147.6	42.76	27.836		
10,000.0	8,016.0	8,208.4	8,041.9	23.7	26.4	89.37	513.2	1,847.0	1,199.1	1,155.3	43.78	27.386		
10,100.0	8,016.0	8,210.7	8,044.3	24.7	26.4	89.48	513.3	1,847.0	1,216.0	1,171.1	44.90	27.083		
10,200.0	8,016.0	8,213.1	8,046.7	25.7	26.4	89.60	513.3	1,847.0	1,240.8	1,194.7	46.10	26.917		
10,300.0	8,016.0	8,215.6	8,049.2	26.9	26.4	89.72	513.4	1,847.1	1,272.9	1,225.6	47.36	26.877 SF		
10,400.0	8,016.0	8,218.1	8,051.7	28.1	26.4	89.84	513.5	1,847.1	1,311.9	1,263.2	48.69	26.947		
10,500.0	8,016.0	8,220.7	8,054.2	29.3	26.4	89.96	513.5	1,847.1	1,357.2	1,307.1	50.06	27.111		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - SRC PRATT 34-29D (EXISTING) - SYNERGY WELL - SU													Offset Site Error:	0.0 ft
Survey Program: 217-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,700.0	7,516.3	7,561.8	7,469.9	30.6	18.9	22.24	-789.9	1,916.4	1,399.2	1,356.0	43.21	32.381 SF		
7,800.0	7,613.3	7,661.2	7,569.1	30.4	18.9	46.20	-789.5	1,922.0	1,385.4	1,342.8	42.64	32.492		
7,900.0	7,705.3	7,762.2	7,669.9	29.9	19.0	56.87	-789.1	1,927.2	1,365.3	1,323.4	41.84	32.631		
8,000.0	7,789.4	7,855.2	7,762.9	29.3	19.1	64.75	-788.8	1,931.3	1,340.3	1,299.4	40.97	32.717		
8,100.0	7,863.1	7,937.5	7,845.1	28.5	19.2	71.78	-788.3	1,934.4	1,312.9	1,272.8	40.10	32.743		
8,200.0	7,924.2	8,004.7	7,912.3	27.5	19.2	78.05	-787.8	1,936.4	1,286.0	1,246.8	39.20	32.808		
8,300.0	7,970.8	8,052.9	7,960.4	26.5	19.3	83.08	-787.4	1,937.7	1,262.6	1,224.4	38.21	33.042		
8,400.0	8,001.4	8,085.1	7,992.6	25.5	19.3	86.61	-787.1	1,938.6	1,245.6	1,208.4	37.17	33.508		
8,500.0	8,015.2	8,100.2	8,007.7	24.5	19.3	88.32	-786.9	1,939.0	1,237.0	1,200.9	36.13	34.241		
8,546.4	8,017.1	8,102.5	8,010.0	24.0	19.3	88.47	-786.9	1,939.1	1,236.1	1,200.4	35.64	34.685 CC, ES		
8,600.0	8,016.0	8,102.0	8,009.5	23.5	19.3	88.49	-786.9	1,939.1	1,237.5	1,202.4	35.06	35.291		
8,700.0	8,016.0	8,103.0	8,010.5	22.7	19.3	88.54	-786.9	1,939.1	1,246.1	1,212.0	34.08	36.568		
8,800.0	8,016.0	8,104.0	8,011.5	21.9	19.3	88.59	-786.9	1,939.1	1,262.5	1,229.3	33.20	38.029		
8,900.0	8,016.0	8,105.0	8,012.5	21.3	19.3	88.63	-786.9	1,939.1	1,286.6	1,254.2	32.45	39.643		
9,000.0	8,016.0	8,106.0	8,013.6	20.8	19.3	88.68	-786.9	1,939.2	1,317.8	1,286.0	31.86	41.366		
9,100.0	8,016.0	8,107.1	8,014.6	20.5	19.3	88.73	-786.8	1,939.2	1,355.7	1,324.3	31.43	43.142		
9,200.0	8,016.0	8,108.1	8,015.6	20.2	19.3	88.78	-786.8	1,939.2	1,399.8	1,368.6	31.17	44.908		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3A-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program:		0-MWD											Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.95	0.0	-47.6	47.6					
100.0	100.0	100.0	100.0	0.2	0.2	-89.95	0.0	-47.6	47.6	47.3	0.30	156.783		
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-47.6	47.6	47.0	0.65	72.942	CC, ES	
300.0	300.0	299.2	299.2	0.5	0.5	-89.99	0.0	-48.5	48.5	47.5	1.00	48.455		
400.0	400.0	398.3	398.2	0.7	0.7	108.79	-0.1	-51.0	51.3	50.0	1.35	38.077		
500.0	500.0	497.2	497.0	0.9	0.9	110.99	-0.3	-55.3	56.5	54.8	1.70	33.278		
600.0	599.9	595.8	595.5	1.0	1.1	114.03	-0.5	-61.3	64.2	62.2	2.06	31.244		
700.0	699.7	694.0	693.4	1.2	1.3	117.31	-0.8	-68.9	74.5	72.1	2.42	30.794	SF	
800.0	799.4	791.7	790.7	1.4	1.5	120.46	-1.2	-78.1	87.5	84.7	2.79	31.319		
900.0	898.9	888.8	887.1	1.7	1.7	123.26	-1.6	-88.9	103.3	100.1	3.18	32.463		
1,000.0	998.3	985.2	982.7	1.9	2.0	125.66	-2.1	-101.3	121.8	118.2	3.58	33.996		
1,100.0	1,097.4	1,080.7	1,077.2	2.2	2.3	127.67	-2.6	-115.1	143.0	139.0	4.00	35.766		
1,200.0	1,196.3	1,175.3	1,170.6	2.5	2.6	129.33	-3.2	-130.4	167.0	162.6	4.43	37.667		
1,300.0	1,294.9	1,271.0	1,264.9	2.8	2.9	130.78	-3.9	-146.9	193.2	188.3	4.89	39.540		
1,400.0	1,393.3	1,367.0	1,359.4	3.1	3.2	132.18	-4.6	-163.6	220.8	215.4	5.36	41.210		
1,500.0	1,491.2	1,462.5	1,453.5	3.5	3.6	133.51	-5.2	-180.1	249.6	243.7	5.84	42.727		
1,600.0	1,588.9	1,557.7	1,547.2	3.9	3.9	134.79	-5.9	-196.7	279.7	273.3	6.34	44.128		
1,700.0	1,686.1	1,652.3	1,640.4	4.3	4.2	136.04	-6.5	-213.1	311.1	304.3	6.85	45.444		
1,800.0	1,783.2	1,746.9	1,733.5	4.8	4.5	137.28	-7.2	-229.5	343.1	335.7	7.36	46.592		
1,900.0	1,880.3	1,841.4	1,826.5	5.2	4.9	138.31	-7.8	-245.9	375.2	367.3	7.88	47.595		
2,000.0	1,977.5	1,935.9	1,919.6	5.6	5.2	139.18	-8.5	-262.3	407.3	398.9	8.40	48.479		
2,100.0	2,074.6	2,030.4	2,012.7	6.1	5.5	139.92	-9.1	-278.7	439.6	430.7	8.92	49.263		
2,200.0	2,171.7	2,124.9	2,105.8	6.5	5.8	140.56	-9.8	-295.1	471.9	462.4	9.44	49.962		
2,300.0	2,268.8	2,219.4	2,198.9	6.9	6.2	141.12	-10.5	-311.5	504.2	494.3	9.97	50.590		
2,400.0	2,365.9	2,313.9	2,291.9	7.4	6.5	141.61	-11.1	-327.9	536.6	526.1	10.49	51.156		
2,500.0	2,463.0	2,408.5	2,385.0	7.8	6.8	142.04	-11.8	-344.3	569.1	558.0	11.01	51.669		
2,600.0	2,560.1	2,503.0	2,478.1	8.3	7.2	142.43	-12.4	-360.7	601.5	590.0	11.54	52.137		
2,700.0	2,657.3	2,597.5	2,571.2	8.7	7.5	142.78	-13.1	-377.1	634.0	621.9	12.06	52.565		
2,800.0	2,754.4	2,692.0	2,664.3	9.2	7.8	143.09	-13.7	-393.5	666.5	653.9	12.58	52.957		
2,900.0	2,851.5	2,786.5	2,757.3	9.6	8.2	143.38	-14.4	-409.9	699.0	685.9	13.11	53.318		
3,000.0	2,948.6	2,881.0	2,850.4	10.1	8.5	143.64	-15.0	-426.3	731.5	717.8	13.63	53.652		
3,100.0	3,045.7	2,975.5	2,943.5	10.5	8.8	143.88	-15.7	-442.7	764.0	749.9	14.16	53.961		
3,200.0	3,142.8	3,070.1	3,036.6	11.0	9.2	144.10	-16.3	-459.1	796.6	781.9	14.68	54.248		
3,300.0	3,239.9	3,164.6	3,129.7	11.4	9.5	144.30	-17.0	-475.5	829.1	813.9	15.21	54.516		
3,400.0	3,337.0	3,259.1	3,222.7	11.9	9.8	144.48	-17.6	-491.9	861.7	845.9	15.73	54.766		
3,500.0	3,434.2	3,353.6	3,315.8	12.3	10.1	144.66	-18.3	-508.3	894.2	878.0	16.26	55.000		
3,600.0	3,531.3	3,448.1	3,408.9	12.8	10.5	144.82	-18.9	-524.7	926.8	910.0	16.78	55.219		
3,700.0	3,628.4	3,542.6	3,502.0	13.2	10.8	144.97	-19.6	-541.1	959.4	942.1	17.31	55.425		
3,800.0	3,725.5	3,637.1	3,595.0	13.7	11.1	145.11	-20.2	-557.5	992.0	974.1	17.84	55.619		
3,900.0	3,822.6	3,731.7	3,688.1	14.1	11.5	146.11	-20.9	-573.9	1,024.6	1,006.2	18.35	55.826		
4,000.0	3,919.8	3,826.0	3,781.0	14.5	11.8	150.56	-21.5	-590.3	1,057.7	1,038.9	18.82	56.197		
4,100.0	4,016.9	3,920.1	3,873.7	15.0	12.1	154.94	-22.2	-606.6	1,091.7	1,072.4	19.27	56.646		
4,200.0	4,114.0	4,013.8	3,966.0	15.4	12.5	158.11	-22.8	-622.9	1,126.3	1,106.6	19.72	57.122		
4,300.0	4,211.1	4,107.5	4,058.3	15.9	12.8	157.98	-23.5	-639.2	1,161.2	1,141.0	20.20	57.499		
4,400.0	4,308.3	4,201.2	4,150.5	16.3	13.1	157.87	-24.1	-655.4	1,196.1	1,175.4	20.67	57.858		
4,500.0	4,405.4	4,294.9	4,242.8	16.8	13.5	157.76	-24.8	-671.7	1,231.0	1,209.8	21.15	58.201		
4,600.0	4,502.5	4,388.6	4,335.1	17.2	13.8	157.65	-25.4	-687.9	1,265.9	1,244.2	21.63	58.528		
4,700.0	4,599.6	4,482.3	4,427.3	17.7	14.1	157.56	-26.1	-704.2	1,300.8	1,278.7	22.11	58.842		
4,800.0	4,696.7	4,576.0	4,519.6	18.1	14.5	157.46	-26.7	-720.5	1,335.7	1,313.1	22.58	59.141		
4,900.0	4,793.8	4,669.7	4,611.9	18.6	14.8	157.38	-27.4	-736.7	1,370.6	1,347.5	23.06	59.429		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3B-29H-M168 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
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	-89.95	0.0	-39.2	39.2						
100.0	100.0	100.0	100.0	0.2	0.2	-89.95	0.0	-39.2	39.2	38.9	0.30	129.115			
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-39.2	39.2	38.6	0.65	60.070			
300.0	300.0	300.0	300.0	0.5	0.5	-89.95	0.0	-39.2	39.2	38.2	1.00	39.140 CC, ES			
400.0	400.0	399.4	399.4	0.7	0.7	108.49	-0.5	-39.9	40.2	38.8	1.35	29.750			
500.0	500.0	498.8	498.8	0.9	0.9	109.71	-2.0	-42.0	43.1	41.4	1.70	25.306			
600.0	599.9	598.1	597.9	1.0	1.0	111.39	-4.5	-45.5	48.0	46.0	2.07	23.258			
700.0	699.7	697.1	696.8	1.2	1.2	113.23	-8.0	-50.4	55.0	52.6	2.44	22.530			
800.0	799.4	796.0	795.3	1.4	1.4	115.00	-12.5	-56.6	64.0	61.1	2.83	22.579			
900.0	898.9	894.5	893.4	1.7	1.7	116.57	-18.0	-64.2	75.0	71.8	3.25	23.096			
1,000.0	998.3	992.6	990.9	1.9	1.9	117.89	-24.5	-73.1	88.1	84.4	3.69	23.888			
1,100.0	1,097.4	1,090.3	1,087.8	2.2	2.2	118.99	-31.9	-83.3	103.2	99.0	4.15	24.833			
1,200.0	1,196.3	1,187.6	1,184.0	2.5	2.4	119.88	-40.2	-94.8	120.3	115.6	4.65	25.848			
1,300.0	1,294.9	1,285.5	1,280.7	2.8	2.7	120.77	-49.2	-107.3	139.0	133.8	5.18	26.847			
1,400.0	1,393.3	1,383.5	1,377.5	3.1	3.0	121.95	-58.3	-119.7	158.7	153.0	5.73	27.719			
1,500.0	1,491.2	1,481.2	1,474.0	3.5	3.3	123.30	-67.3	-132.2	179.4	173.1	6.29	28.506			
1,600.0	1,588.9	1,578.7	1,570.3	3.9	3.7	124.74	-76.3	-144.6	201.2	194.3	6.88	29.244			
1,700.0	1,686.1	1,675.8	1,666.2	4.3	4.0	126.26	-85.3	-157.0	224.0	216.6	7.48	29.962			
1,800.0	1,783.2	1,772.9	1,762.1	4.8	4.3	127.73	-94.2	-169.4	247.4	239.3	8.08	30.611			
1,900.0	1,880.3	1,870.0	1,857.9	5.2	4.6	128.94	-103.2	-181.8	270.9	262.2	8.69	31.181			
2,000.0	1,977.5	1,967.0	1,953.7	5.6	4.9	129.96	-112.1	-194.2	294.5	285.2	9.29	31.685			
2,100.0	2,074.6	2,064.1	2,049.6	6.1	5.2	130.83	-121.1	-206.5	318.1	308.2	9.90	32.133			
2,200.0	2,171.7	2,161.1	2,145.4	6.5	5.5	131.58	-130.1	-218.9	341.8	331.3	10.51	32.533			
2,300.0	2,268.8	2,258.2	2,241.3	6.9	5.8	132.23	-139.0	-231.3	365.6	354.5	11.11	32.893			
2,400.0	2,365.9	2,355.2	2,337.1	7.4	6.1	132.81	-148.0	-243.7	389.4	377.7	11.72	33.218			
2,500.0	2,463.0	2,452.3	2,433.0	7.8	6.4	133.31	-156.9	-256.0	413.2	400.9	12.33	33.514			
2,600.0	2,560.1	2,549.4	2,528.8	8.3	6.8	133.76	-165.9	-268.4	437.1	424.2	12.94	33.783			
2,700.0	2,657.3	2,646.4	2,624.7	8.7	7.1	134.17	-174.9	-280.8	461.0	447.4	13.55	34.029			
2,800.0	2,754.4	2,743.5	2,720.5	9.2	7.4	134.53	-183.8	-293.2	484.9	470.7	14.16	34.255			
2,900.0	2,851.5	2,840.5	2,816.4	9.6	7.7	134.86	-192.8	-305.5	508.8	494.0	14.76	34.463			
3,000.0	2,948.6	2,937.6	2,912.2	10.1	8.0	135.16	-201.7	-317.9	532.7	517.4	15.37	34.655			
3,100.0	3,045.7	3,034.6	3,008.1	10.5	8.3	135.44	-210.7	-330.3	556.7	540.7	15.98	34.834			
3,200.0	3,142.8	3,131.7	3,103.9	11.0	8.7	135.69	-219.7	-342.7	580.7	564.1	16.59	34.999			
3,300.0	3,239.9	3,228.7	3,199.8	11.4	9.0	135.92	-228.6	-355.1	604.6	587.4	17.20	35.154			
3,400.0	3,337.0	3,325.8	3,295.6	11.9	9.3	136.14	-237.6	-367.4	628.6	610.8	17.81	35.298			
3,500.0	3,434.2	3,422.9	3,391.4	12.3	9.6	136.34	-246.5	-379.8	652.6	634.2	18.42	35.433			
3,600.0	3,531.3	3,519.9	3,487.3	12.8	9.9	136.52	-255.5	-392.2	676.6	657.6	19.03	35.559			
3,700.0	3,628.4	3,617.0	3,583.1	13.2	10.2	136.69	-264.5	-404.6	700.6	680.9	19.64	35.678			
3,800.0	3,725.5	3,714.0	3,679.0	13.7	10.5	136.85	-273.4	-416.9	724.6	704.3	20.25	35.790			
3,900.0	3,822.6	3,811.1	3,774.8	14.1	10.9	137.85	-282.4	-429.3	748.6	727.8	20.85	35.911			
4,000.0	3,919.8	3,908.0	3,870.5	14.5	11.2	142.20	-291.3	-441.7	773.3	751.9	21.40	36.143			
4,100.0	4,016.9	4,004.6	3,965.9	15.0	11.5	146.47	-300.2	-454.0	799.1	777.1	21.93	36.437			
4,200.0	4,114.0	4,101.0	4,061.1	15.4	11.8	149.53	-309.1	-466.3	825.8	803.3	22.47	36.757			
4,300.0	4,211.1	4,197.2	4,156.2	15.9	12.1	149.37	-318.0	-478.6	852.7	829.7	23.04	37.010			
4,400.0	4,308.3	4,293.5	4,251.2	16.3	12.4	149.23	-326.9	-490.8	879.7	856.1	23.62	37.252			
4,500.0	4,405.4	4,389.8	4,346.3	16.8	12.8	149.09	-335.8	-503.1	906.7	882.5	24.19	37.482			
4,600.0	4,502.5	4,486.0	4,441.4	17.2	13.1	148.96	-344.7	-515.4	933.7	908.9	24.77	37.701			
4,700.0	4,599.6	4,582.3	4,536.4	17.7	13.4	148.84	-353.6	-527.7	960.7	935.4	25.34	37.910			
4,800.0	4,696.7	4,678.6	4,631.5	18.1	13.7	148.72	-362.5	-539.9	987.7	961.8	25.92	38.110			
4,900.0	4,793.8	4,774.8	4,726.6	18.6	14.0	148.61	-371.3	-552.2	1,014.7	988.2	26.49	38.301			
5,000.0	4,891.0	4,871.1	4,821.6	19.0	14.3	148.51	-380.2	-564.5	1,041.7	1,014.7	27.07	38.484			
5,100.0	4,988.1	4,967.4	4,916.7	19.5	14.6	148.41	-389.1	-576.8	1,068.7	1,041.1	27.64	38.660			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3B-29H-M168 - Hz - Plan #2												Offset Site Error:	0.0 ft
Survey Program: O-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
5,200.0	5,085.2	5,063.6	5,011.8	19.9	15.0	148.32	-398.0	-589.0	1,095.7	1,067.5	28.22	38.828	
5,300.0	5,182.3	5,159.9	5,106.8	20.3	15.3	148.23	-406.9	-601.3	1,122.8	1,094.0	28.80	38.990	
5,400.0	5,279.4	5,256.2	5,201.9	20.8	15.6	148.15	-415.8	-613.6	1,149.8	1,120.4	29.37	39.145	
5,500.0	5,376.5	5,352.4	5,297.0	21.2	15.9	148.06	-424.7	-625.9	1,176.8	1,146.9	29.95	39.294	
5,600.0	5,473.7	5,448.7	5,392.0	21.7	16.2	147.99	-433.6	-638.1	1,203.8	1,173.3	30.52	39.437	
5,700.0	5,570.8	5,545.0	5,487.1	22.1	16.5	147.91	-442.4	-650.4	1,230.8	1,199.7	31.10	39.576	
5,800.0	5,667.9	5,641.2	5,582.2	22.6	16.8	147.84	-451.3	-662.7	1,257.9	1,226.2	31.68	39.709	
5,900.0	5,765.0	5,737.5	5,677.2	23.0	17.2	147.78	-460.2	-675.0	1,284.9	1,252.7	32.25	39.837	
6,000.0	5,862.1	5,833.8	5,772.3	23.5	17.5	147.71	-469.1	-687.3	1,311.9	1,279.1	32.83	39.961	
6,100.0	5,959.2	5,930.0	5,867.4	23.9	17.8	147.65	-478.0	-699.5	1,339.0	1,305.6	33.41	40.081	
6,200.0	6,056.3	6,026.3	5,962.4	24.4	18.1	147.59	-486.9	-711.8	1,366.0	1,332.0	33.98	40.196	
6,300.0	6,153.5	6,122.6	6,057.5	24.8	18.4	147.53	-495.8	-724.1	1,393.0	1,358.5	34.56	40.308	
13,200.0	8,016.0	12,308.8	8,016.0	71.3	72.3	-90.00	3,828.9	-937.6	1,387.2	1,245.9	141.33	9.816	
13,300.0	8,016.0	12,408.1	8,016.0	72.9	73.9	-90.00	3,928.1	-936.8	1,374.7	1,229.8	144.86	9.490	
13,400.0	8,016.0	12,507.5	8,016.0	74.6	75.6	-90.00	4,027.5	-935.9	1,363.9	1,215.5	148.37	9.193	
13,500.0	8,016.0	12,607.1	8,016.0	76.3	77.3	-90.00	4,127.1	-935.0	1,354.8	1,203.0	151.85	8.923	
13,600.0	8,016.0	12,706.8	8,016.0	78.0	79.0	-90.00	4,226.8	-934.2	1,347.5	1,192.2	155.29	8.677	
13,700.0	8,016.0	12,806.6	8,016.0	79.7	80.6	-90.00	4,326.6	-933.3	1,341.9	1,183.2	158.70	8.456	
13,800.0	8,016.0	12,906.6	8,016.0	81.4	82.3	-90.00	4,426.6	-932.4	1,338.1	1,176.0	162.08	8.256	
13,900.0	8,016.0	13,006.5	8,016.0	83.1	84.0	-90.00	4,526.5	-931.6	1,336.0	1,170.6	165.41	8.077	
13,976.7	8,016.0	13,083.3	8,016.0	84.5	85.3	-90.00	4,603.3	-930.9	1,335.5	1,167.6	167.95	7.952	
14,000.0	8,016.0	13,106.5	8,016.0	84.9	85.7	-90.00	4,626.5	-930.7	1,335.6	1,166.9	168.71	7.917	
14,100.0	8,016.0	13,206.5	8,016.0	86.6	87.4	-90.00	4,726.5	-929.8	1,336.0	1,163.8	172.16	7.760	
14,200.0	8,016.0	13,306.5	8,016.0	88.3	89.1	-90.00	4,826.5	-928.9	1,336.3	1,160.7	175.61	7.610	
14,300.0	8,016.0	13,406.5	8,016.0	90.0	90.8	-90.00	4,926.5	-928.1	1,336.7	1,157.6	179.07	7.465	
14,400.0	8,016.0	13,506.5	8,016.0	91.7	92.5	-90.00	5,026.5	-927.2	1,337.0	1,154.5	182.52	7.325	
14,500.0	8,016.0	13,606.5	8,016.0	93.5	94.2	-90.00	5,126.5	-926.3	1,337.4	1,151.4	185.98	7.191	
14,600.0	8,016.0	13,706.5	8,016.0	95.2	95.9	-90.00	5,226.5	-925.4	1,337.7	1,148.3	189.44	7.061	
14,700.0	8,016.0	13,806.5	8,016.0	96.9	97.6	-90.00	5,326.5	-924.6	1,338.1	1,145.2	192.90	6.937	
14,800.0	8,016.0	13,906.5	8,016.0	98.6	99.4	-90.00	5,426.5	-923.7	1,338.4	1,142.1	196.37	6.816	
14,900.0	8,016.0	14,006.5	8,016.0	100.4	101.1	-90.00	5,526.5	-922.8	1,338.8	1,139.0	199.83	6.700	
15,000.0	8,016.0	14,106.5	8,016.0	102.1	102.8	-90.00	5,626.5	-922.0	1,339.1	1,135.8	203.30	6.587	
15,100.0	8,016.0	14,206.5	8,016.0	103.8	104.5	-90.00	5,726.5	-921.1	1,339.5	1,132.7	206.77	6.478	
15,200.0	8,016.0	14,306.5	8,016.0	105.5	106.2	-90.00	5,826.5	-920.2	1,339.8	1,129.6	210.23	6.373	
15,300.0	8,016.0	14,392.0	8,016.0	107.3	107.7	-90.00	5,912.0	-919.8	1,340.6	1,127.1	213.45	6.281	
15,400.0	8,016.0	14,473.1	8,016.0	109.0	109.1	-90.00	5,993.0	-920.5	1,342.7	1,126.1	216.59	6.199	
15,500.0	8,016.0	14,562.3	8,016.0	110.7	110.6	-90.00	6,082.3	-922.5	1,346.1	1,126.3	219.88	6.122	
15,600.0	8,016.0	14,662.3	8,016.0	112.5	112.3	-90.00	6,182.2	-924.9	1,349.8	1,126.4	223.35	6.043	
15,700.0	8,016.0	14,762.2	8,016.0	114.2	114.1	-90.00	6,282.1	-927.3	1,353.4	1,126.6	226.82	5.967	
15,800.0	8,016.0	14,862.1	8,016.0	115.9	115.8	-90.00	6,382.0	-929.8	1,357.1	1,126.8	230.30	5.893	
15,900.0	8,016.0	14,962.1	8,016.0	117.7	117.5	-90.00	6,481.9	-932.2	1,360.7	1,126.9	233.77	5.821	
16,000.0	8,016.0	15,062.0	8,016.0	119.4	119.3	-90.00	6,581.8	-934.6	1,364.3	1,127.1	237.25	5.751	
16,100.0	8,016.0	15,161.9	8,016.0	121.1	121.0	-90.00	6,681.7	-937.0	1,368.0	1,127.2	240.72	5.683	
16,200.0	8,016.0	15,261.9	8,016.0	122.9	122.7	-90.00	6,781.6	-939.4	1,371.6	1,127.4	244.20	5.617	
16,300.0	8,016.0	15,361.8	8,016.0	124.6	124.4	-90.00	6,881.5	-941.8	1,375.2	1,127.6	247.68	5.553	
16,400.0	8,016.0	15,461.7	8,016.0	126.3	126.2	-90.00	6,981.4	-944.2	1,378.9	1,127.7	251.15	5.490	
16,500.0	8,016.0	15,561.7	8,016.0	128.1	127.9	-90.00	7,081.3	-946.6	1,382.5	1,127.9	254.63	5.429	
16,600.0	8,016.0	15,661.6	8,016.0	129.8	129.6	-90.00	7,181.2	-949.1	1,386.1	1,128.0	258.11	5.370	
16,700.0	8,016.0	15,761.5	8,016.0	131.6	131.4	-90.00	7,281.1	-951.5	1,389.8	1,128.2	261.60	5.313	
16,800.0	8,016.0	15,861.5	8,016.0	133.3	133.1	-90.00	7,381.0	-953.9	1,393.4	1,128.3	265.08	5.257	
16,900.0	8,016.0	15,961.4	8,016.0	135.0	134.8	-90.00	7,480.9	-956.3	1,397.0	1,128.5	268.56	5.202 SF	

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3C-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-89.95	0.0	-28.0	28.0					
100.0	100.0	100.0	100.0	0.2	0.2	-89.95	0.0	-28.0	28.0	27.7	0.30	92.225		
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-28.0	28.0	27.4	0.65	42.907		
300.0	300.0	300.0	300.0	0.5	0.5	-89.95	0.0	-28.0	28.0	27.0	1.00	27.957 CC		
400.0	400.0	400.0	400.0	0.7	0.7	109.73	0.0	-28.0	28.3	26.9	1.35	20.933 ES		
500.0	500.0	499.9	499.9	0.9	0.9	112.85	-0.8	-28.2	29.3	27.6	1.70	17.216		
600.0	599.9	599.9	599.8	1.0	1.0	115.42	-3.4	-28.6	31.3	29.2	2.07	15.154		
700.0	699.7	699.8	699.7	1.2	1.2	117.34	-7.7	-29.4	34.1	31.7	2.44	13.986		
800.0	799.4	799.7	799.4	1.4	1.4	118.63	-13.7	-30.4	37.8	35.0	2.84	13.337		
900.0	898.9	899.6	899.0	1.7	1.6	119.37	-21.4	-31.8	42.3	39.1	3.26	13.000		
1,000.0	998.3	999.5	998.4	1.9	1.8	119.68	-30.8	-33.4	47.7	44.0	3.71	12.853		
1,100.0	1,097.4	1,099.4	1,097.6	2.2	2.1	119.67	-42.0	-35.4	53.8	49.6	4.20	12.821		
1,200.0	1,196.3	1,199.1	1,196.6	2.5	2.3	119.43	-54.8	-37.7	60.7	56.0	4.72	12.854		
1,300.0	1,294.9	1,298.9	1,295.2	2.8	2.6	119.04	-69.3	-40.2	68.5	63.2	5.30	12.924		
1,400.0	1,393.3	1,398.5	1,393.5	3.1	2.9	118.56	-85.4	-43.1	77.0	71.1	5.92	13.011		
1,500.0	1,491.2	1,498.1	1,491.4	3.5	3.3	118.02	-103.3	-46.2	86.4	79.8	6.59	13.104		
1,600.0	1,588.9	1,597.6	1,588.9	3.9	3.6	117.46	-122.8	-49.7	96.5	89.2	7.32	13.196		
1,700.0	1,686.1	1,697.0	1,685.9	4.3	4.0	116.89	-143.9	-53.4	107.5	99.4	8.09	13.286		
1,800.0	1,783.2	1,796.3	1,782.5	4.8	4.4	115.89	-166.7	-57.4	118.7	109.8	8.91	13.323		
1,900.0	1,880.3	1,895.6	1,878.8	5.2	4.9	114.48	-190.7	-61.6	130.0	120.3	9.76	13.322		
2,000.0	1,977.5	1,994.9	1,975.0	5.6	5.3	113.25	-214.9	-65.9	141.4	130.8	10.62	13.318		
2,100.0	2,074.6	2,092.5	2,069.6	6.1	5.7	112.25	-238.5	-70.4	153.2	141.7	11.47	13.355		
2,200.0	2,171.7	2,189.0	2,163.1	6.5	6.2	111.48	-261.5	-76.4	166.6	154.3	12.32	13.526		
2,300.0	2,268.8	2,286.5	2,257.6	6.9	6.6	110.90	-284.4	-83.8	181.4	168.3	13.17	13.778		
2,400.0	2,365.9	2,385.4	2,353.4	7.4	7.0	110.42	-307.6	-91.4	196.5	182.4	14.03	14.007		
2,500.0	2,463.0	2,484.2	2,449.2	7.8	7.5	110.00	-330.8	-99.1	211.5	196.6	14.88	14.209		
2,600.0	2,560.1	2,583.1	2,545.0	8.3	7.9	109.63	-354.0	-106.8	226.5	210.8	15.74	14.388		
2,700.0	2,657.3	2,681.9	2,640.8	8.7	8.4	109.31	-377.1	-114.4	241.6	225.0	16.60	14.548		
2,800.0	2,754.4	2,780.8	2,736.6	9.2	8.8	109.03	-400.3	-122.1	256.6	239.1	17.47	14.692		
2,900.0	2,851.5	2,879.7	2,832.4	9.6	9.3	108.78	-423.5	-129.7	271.7	253.3	18.33	14.823		
3,000.0	2,948.6	2,978.5	2,928.2	10.1	9.7	108.56	-446.7	-137.4	286.7	267.5	19.19	14.941		
3,100.0	3,045.7	3,077.4	3,024.0	10.5	10.2	108.36	-469.8	-145.1	301.8	281.7	20.05	15.048		
3,200.0	3,142.8	3,176.2	3,119.8	11.0	10.6	108.18	-493.0	-152.7	316.8	295.9	20.92	15.147		
3,300.0	3,239.9	3,275.1	3,215.6	11.4	11.1	108.01	-516.2	-160.4	331.9	310.1	21.78	15.237		
3,400.0	3,337.0	3,373.9	3,311.4	11.9	11.6	107.86	-539.4	-168.0	347.0	324.3	22.65	15.321		
3,500.0	3,434.2	3,472.8	3,407.1	12.3	12.0	107.72	-562.5	-175.7	362.1	338.5	23.51	15.398		
3,600.0	3,531.3	3,571.6	3,502.9	12.8	12.5	107.59	-585.7	-183.4	377.1	352.8	24.38	15.469		
3,700.0	3,628.4	3,670.5	3,598.7	13.2	12.9	107.48	-608.9	-191.0	392.2	367.0	25.25	15.536		
3,800.0	3,725.5	3,769.3	3,694.5	13.7	13.4	107.37	-632.0	-198.7	407.3	381.2	26.11	15.597		
3,900.0	3,822.6	3,868.2	3,790.3	14.1	13.8	108.09	-655.2	-206.4	422.4	395.4	26.97	15.660		
4,000.0	3,919.8	3,966.9	3,885.9	14.5	14.3	112.07	-678.4	-214.0	438.6	410.8	27.80	15.779		
4,100.0	4,016.9	4,065.2	3,981.3	15.0	14.7	116.01	-701.4	-221.6	456.4	427.8	28.60	15.958		
4,200.0	4,114.0	4,163.3	4,076.3	15.4	15.2	118.80	-724.4	-229.2	475.7	446.3	29.40	16.181		
4,300.0	4,211.1	4,261.3	4,171.3	15.9	15.7	118.50	-747.4	-236.8	495.4	465.2	30.23	16.388		
4,400.0	4,308.3	4,359.3	4,266.3	16.3	16.1	118.23	-770.4	-244.4	515.2	484.1	31.06	16.585		
4,500.0	4,405.4	4,457.3	4,361.2	16.8	16.6	117.97	-793.3	-252.0	535.0	503.1	31.90	16.772		
4,600.0	4,502.5	4,555.3	4,456.2	17.2	17.0	117.74	-816.3	-259.6	554.8	522.0	32.73	16.949		
4,700.0	4,599.6	4,653.3	4,551.1	17.7	17.5	117.52	-839.3	-267.2	574.6	541.0	33.57	17.118		
4,800.0	4,696.7	4,751.3	4,646.1	18.1	17.9	117.31	-862.2	-274.8	594.4	560.0	34.40	17.279		
4,900.0	4,793.8	4,849.3	4,741.1	18.6	18.4	117.12	-885.2	-282.4	614.2	579.0	35.23	17.432		
5,000.0	4,891.0	4,947.3	4,836.0	19.0	18.8	116.94	-908.2	-290.0	634.0	597.9	36.07	17.579		
5,100.0	4,988.1	5,045.3	4,931.0	19.5	19.3	116.77	-931.2	-297.6	653.8	616.9	36.90	17.718		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3C-29H-M168 - Hz - Plan #1												Offset Site Error: 0.0 ft			
Survey Program: 0-MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
5,200.0	5,085.2	5,143.3	5,026.0	19.9	19.7	116.62	-954.1	-305.2	673.7	635.9	37.74	17.852			
5,300.0	5,182.3	5,241.3	5,120.9	20.3	20.2	116.47	-977.1	-312.8	693.5	654.9	38.57	17.980			
5,400.0	5,279.4	5,339.3	5,215.9	20.8	20.6	116.33	-1,000.1	-320.4	713.3	673.9	39.40	18.103			
5,500.0	5,376.5	5,437.3	5,310.9	21.2	21.1	116.19	-1,023.1	-328.0	733.2	692.9	40.24	18.221			
5,600.0	5,473.7	5,535.3	5,405.8	21.7	21.6	116.07	-1,046.0	-335.5	753.0	712.0	41.07	18.334			
5,700.0	5,570.8	5,633.3	5,500.8	22.1	22.0	115.95	-1,069.0	-343.1	772.9	731.0	41.91	18.442			
5,800.0	5,667.9	5,731.3	5,595.7	22.6	22.5	115.83	-1,092.0	-350.7	792.7	750.0	42.74	18.547			
5,900.0	5,765.0	5,829.3	5,690.7	23.0	22.9	115.72	-1,115.0	-358.3	812.6	769.0	43.58	18.647			
6,000.0	5,862.1	5,927.3	5,785.7	23.5	23.4	115.62	-1,137.9	-365.9	832.4	788.0	44.41	18.744			
6,100.0	5,959.2	6,025.3	5,880.6	23.9	23.8	115.52	-1,160.9	-373.5	852.3	807.1	45.25	18.837			
6,200.0	6,056.3	6,123.3	5,975.6	24.4	24.3	115.43	-1,183.9	-381.1	872.2	826.1	46.08	18.926			
6,300.0	6,153.5	6,221.3	6,070.6	24.8	24.7	115.34	-1,206.8	-388.7	892.0	845.1	46.92	19.013			
6,400.0	6,250.6	6,319.3	6,165.5	25.3	25.2	115.25	-1,229.8	-396.3	911.9	864.2	47.75	19.096			
6,500.0	6,347.7	6,417.3	6,260.5	25.7	25.7	115.17	-1,252.8	-403.9	931.8	883.2	48.59	19.177			
6,600.0	6,444.8	6,515.3	6,355.5	26.2	26.1	115.09	-1,275.8	-411.5	951.6	902.2	49.42	19.255			
6,700.0	6,541.9	6,613.3	6,450.4	26.6	26.6	115.02	-1,298.7	-419.1	971.5	921.3	50.26	19.330			
6,800.0	6,639.0	6,711.3	6,545.4	27.1	27.0	114.94	-1,321.7	-426.7	991.4	940.3	51.09	19.403			
6,900.0	6,736.2	6,809.3	6,640.3	27.5	27.5	114.87	-1,344.7	-434.3	1,011.3	959.3	51.93	19.474			
7,000.0	6,833.3	6,907.3	6,735.3	28.0	27.9	114.81	-1,367.7	-441.9	1,031.1	978.4	52.76	19.542			
7,100.0	6,930.4	7,005.3	6,830.3	28.4	28.4	114.74	-1,390.6	-449.5	1,051.0	997.4	53.60	19.609			
7,200.0	7,027.5	7,103.3	6,925.2	28.9	28.8	114.68	-1,413.6	-457.1	1,070.9	1,016.5	54.44	19.673			
7,300.0	7,124.6	7,201.3	7,020.2	29.3	29.3	114.62	-1,436.6	-464.7	1,090.8	1,035.5	55.27	19.735			
7,400.0	7,221.7	7,302.9	7,118.9	29.8	29.7	114.62	-1,459.3	-472.6	1,110.6	1,054.5	56.09	19.801			
7,500.0	7,318.9	7,409.6	7,224.8	30.3	29.9	115.41	-1,467.9	-481.3	1,129.8	1,073.2	56.64	19.946			
7,600.0	7,417.1	7,510.5	7,324.6	30.5	29.8	155.22	-1,457.9	-489.9	1,149.0	1,092.3	56.68	20.272			
7,700.0	7,516.3	7,607.3	7,417.4	30.6	29.5	-131.21	-1,431.8	-498.2	1,168.6	1,112.4	56.17	20.805			
7,800.0	7,613.3	7,700.0	7,500.9	30.4	29.0	-106.24	-1,392.6	-505.9	1,187.9	1,132.7	55.20	21.522			
7,900.0	7,705.3	7,791.6	7,576.2	29.9	28.3	-96.14	-1,341.0	-513.1	1,206.2	1,152.4	53.80	22.421			
8,000.0	7,789.4	7,880.2	7,640.2	29.3	27.5	-90.26	-1,280.3	-519.6	1,223.0	1,170.9	52.08	23.481			
8,100.0	7,863.1	7,967.1	7,693.3	28.5	26.6	-86.27	-1,211.9	-525.2	1,237.5	1,187.4	50.12	24.690			
8,200.0	7,924.2	8,050.0	7,733.7	27.5	25.7	-83.44	-1,139.7	-529.9	1,249.3	1,201.3	48.03	26.009			
8,300.0	7,970.8	8,136.7	7,764.4	26.5	24.7	-81.45	-1,058.8	-533.9	1,258.0	1,212.2	45.82	27.456			
8,400.0	8,001.4	8,220.0	7,782.2	25.5	23.8	-80.21	-977.5	-536.8	1,263.3	1,219.6	43.67	28.927			
8,500.0	8,015.2	8,302.8	7,788.0	24.5	22.9	-79.63	-895.0	-538.7	1,265.0	1,223.3	41.64	30.377			
8,600.0	8,016.0	8,402.8	7,788.0	23.5	21.9	-79.60	-795.0	-540.5	1,263.5	1,224.0	39.54	31.953			
8,700.0	8,016.0	8,502.8	7,788.0	22.7	21.0	-79.59	-695.1	-542.2	1,261.8	1,224.2	37.61	33.550			
8,800.0	8,016.0	8,602.8	7,788.0	21.9	20.2	-79.57	-595.1	-544.0	1,260.1	1,224.2	35.90	35.095			
8,900.0	8,016.0	8,702.8	7,788.0	21.3	19.6	-79.56	-495.1	-545.7	1,258.4	1,223.9	34.46	36.513			
9,000.0	8,016.0	8,802.7	7,788.0	20.8	19.1	-79.54	-395.2	-547.5	1,256.6	1,223.3	33.32	37.716			
9,100.0	8,016.0	8,902.7	7,788.0	20.5	18.7	-79.53	-295.2	-549.2	1,254.9	1,222.4	32.50	38.611			
9,200.0	8,016.0	9,002.7	7,788.0	20.2	18.5	-79.52	-195.2	-551.0	1,253.2	1,221.2	32.04	39.117			
9,300.0	8,016.0	9,102.7	7,788.0	20.2	18.4	-79.50	-95.3	-552.7	1,251.5	1,219.5	31.94	39.179			
9,400.0	8,016.0	9,202.7	7,788.0	20.3	18.5	-79.49	4.7	-554.5	1,249.8	1,217.6	32.22	38.793			
9,500.0	8,016.0	9,302.7	7,788.0	20.5	18.8	-79.47	104.7	-556.2	1,248.1	1,215.2	32.85	37.987			
9,600.0	8,016.0	9,402.6	7,788.0	20.9	19.3	-79.46	204.6	-557.9	1,246.3	1,212.5	33.83	36.837			
9,700.0	8,016.0	9,502.6	7,788.0	21.4	19.8	-79.44	304.6	-559.7	1,244.6	1,209.5	35.13	35.433			
9,800.0	8,016.0	9,602.6	7,788.0	22.1	20.6	-79.43	404.6	-561.4	1,242.9	1,206.2	36.70	33.869			
9,900.0	8,016.0	9,702.6	7,788.0	22.8	21.4	-79.41	504.6	-563.2	1,241.2	1,202.7	38.51	32.226			
10,000.0	8,016.0	9,802.6	7,788.0	23.7	22.4	-79.40	604.5	-564.9	1,239.5	1,198.9	40.54	30.571			
10,100.0	8,016.0	9,902.6	7,788.0	24.7	23.4	-79.38	704.5	-566.7	1,237.8	1,195.0	42.76	28.950			
10,200.0	8,016.0	10,002.6	7,788.0	25.7	24.5	-79.37	804.5	-568.4	1,236.0	1,190.9	45.12	27.393			
10,300.0	8,016.0	10,102.5	7,788.0	26.9	25.7	-79.35	904.4	-570.2	1,234.3	1,186.7	47.62	25.920			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3C-29H-M168 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance								
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	8,016.0	10,202.5	7,788.0	28.1	27.0	-79.34	1,004.4	-571.9	1,232.6	1,182.4	50.23	24.538			
10,500.0	8,016.0	10,302.5	7,788.0	29.3	28.3	-79.32	1,104.4	-573.6	1,230.9	1,178.0	52.94	23.251			
10,600.0	8,016.0	10,402.5	7,788.0	30.6	29.6	-79.31	1,204.3	-575.4	1,229.2	1,173.5	55.73	22.057			
10,700.0	8,016.0	10,502.5	7,788.0	31.9	31.0	-79.29	1,304.3	-577.1	1,227.5	1,168.9	58.58	20.952			
10,800.0	8,016.0	10,602.5	7,788.0	33.3	32.4	-79.28	1,404.3	-578.9	1,225.8	1,164.3	61.50	19.930			
10,900.0	8,016.0	10,702.4	7,788.0	34.7	33.9	-79.26	1,504.3	-580.6	1,224.0	1,159.6	64.47	18.985			
11,000.0	8,016.0	10,802.4	7,788.0	36.2	35.4	-79.25	1,604.2	-582.4	1,222.3	1,154.8	67.49	18.112			
11,100.0	8,016.0	10,902.4	7,788.0	37.7	36.9	-79.23	1,704.2	-584.1	1,220.6	1,150.1	70.54	17.303			
11,200.0	8,016.0	11,002.4	7,788.0	39.1	38.4	-79.22	1,804.2	-585.9	1,218.9	1,145.3	73.63	16.554			
11,300.0	8,016.0	11,102.4	7,788.0	40.7	40.0	-79.20	1,904.1	-587.6	1,217.2	1,140.4	76.75	15.859			
11,400.0	8,016.0	11,202.4	7,788.0	42.2	41.5	-79.19	2,004.1	-589.3	1,215.5	1,135.6	79.89	15.214			
11,500.0	8,016.0	11,302.4	7,788.0	43.7	43.1	-79.17	2,104.1	-591.1	1,213.8	1,130.7	83.06	14.613			
11,600.0	8,016.0	11,402.3	7,788.0	45.3	44.7	-79.16	2,204.0	-592.8	1,212.0	1,125.8	86.25	14.053			
11,700.0	8,016.0	11,502.3	7,788.0	46.9	46.3	-79.14	2,304.0	-594.6	1,210.3	1,120.9	89.46	13.530			
11,800.0	8,016.0	11,602.3	7,788.0	48.5	47.9	-79.12	2,404.0	-596.3	1,208.6	1,115.9	92.68	13.040			
11,900.0	8,016.0	11,702.3	7,788.0	50.1	49.5	-79.11	2,503.9	-598.1	1,206.9	1,111.0	95.92	12.582			
12,000.0	8,016.0	11,802.3	7,788.0	51.7	51.2	-79.09	2,603.9	-599.8	1,204.8	1,105.6	99.12	12.154			
12,100.0	8,016.0	11,902.2	7,788.0	53.3	52.8	-79.04	2,703.8	-601.6	1,201.0	1,098.7	102.29	11.741			
12,200.0	8,016.0	12,002.0	7,788.0	54.9	54.5	-78.98	2,803.6	-603.3	1,195.5	1,090.1	105.43	11.340			
12,300.0	8,016.0	12,101.8	7,788.0	56.5	56.1	-78.90	2,903.4	-605.0	1,188.3	1,079.8	108.54	10.949			
12,400.0	8,016.0	12,201.4	7,788.0	58.1	57.8	-78.80	3,002.9	-606.8	1,179.4	1,067.8	111.61	10.567			
12,500.0	8,016.0	12,300.8	7,788.0	59.7	59.4	-78.69	3,102.4	-608.5	1,169.0	1,054.3	114.75	10.188			
12,600.0	8,016.0	12,400.2	7,788.0	61.4	61.1	-78.58	3,201.7	-610.3	1,158.3	1,040.3	118.00	9.816			
12,700.0	8,016.0	12,499.6	7,788.0	63.0	62.7	-78.47	3,301.1	-612.0	1,147.7	1,026.4	121.26	9.464			
12,800.0	8,016.0	12,599.0	7,788.0	64.6	64.4	-78.36	3,400.5	-613.7	1,137.0	1,012.5	124.52	9.131			
12,900.0	8,016.0	12,698.4	7,788.0	66.3	66.1	-78.25	3,499.9	-615.5	1,126.3	998.5	127.79	8.814			
13,000.0	8,016.0	12,797.8	7,788.0	67.9	67.8	-78.14	3,599.3	-617.2	1,115.7	984.6	131.05	8.513			
13,100.0	8,016.0	12,897.2	7,788.0	69.6	69.4	-78.02	3,698.7	-618.9	1,105.0	970.7	134.32	8.227			
13,200.0	8,016.0	12,996.6	7,788.0	71.3	71.1	-77.91	3,798.1	-620.7	1,094.4	956.8	137.60	7.953			
13,300.0	8,016.0	13,096.1	7,788.0	72.9	72.8	-77.82	3,897.6	-622.4	1,084.7	943.6	141.11	7.687			
13,400.0	8,016.0	13,195.5	7,788.0	74.6	74.5	-77.74	3,997.2	-624.1	1,076.7	932.1	144.59	7.446			
13,500.0	8,016.0	13,295.6	7,788.0	76.3	76.2	-77.68	4,097.0	-625.9	1,070.4	922.3	148.05	7.230			
13,600.0	8,016.0	13,395.5	7,788.0	78.0	77.9	-77.64	4,196.9	-627.6	1,065.8	914.3	151.48	7.035			
13,700.0	8,016.0	13,495.4	7,788.0	79.7	79.6	-77.61	4,296.8	-629.4	1,062.9	908.0	154.89	6.862			
13,800.0	8,016.0	13,595.4	7,788.0	81.4	81.3	-77.60	4,396.8	-631.1	1,061.7	903.4	158.26	6.708			
13,820.0	8,016.0	13,615.4	7,788.0	81.8	81.7	-77.60	4,416.8	-631.5	1,061.6	902.7	158.93	6.680			
13,900.0	8,016.0	13,695.4	7,788.0	83.1	83.0	-77.60	4,496.8	-632.9	1,062.2	900.6	161.61	6.573			
14,000.0	8,016.0	13,795.4	7,788.0	84.9	84.7	-77.63	4,596.7	-634.6	1,064.4	899.5	164.92	6.454			
14,100.0	8,016.0	13,895.3	7,788.0	86.6	86.4	-77.66	4,696.7	-636.3	1,067.3	899.0	168.31	6.341			
14,200.0	8,016.0	14,016.8	7,788.0	88.3	88.5	-77.69	4,818.2	-637.2	1,069.2	897.1	172.05	6.214			
14,300.0	8,016.0	14,130.3	7,788.0	90.0	90.5	-77.69	4,931.6	-635.9	1,069.2	893.6	175.65	6.087			
14,400.0	8,016.0	14,230.3	7,788.0	91.7	92.2	-77.68	5,031.6	-634.3	1,068.8	889.8	179.02	5.970			
14,500.0	8,016.0	14,330.3	7,788.0	93.5	93.9	-77.68	5,131.6	-632.7	1,068.5	886.1	182.39	5.858			
14,600.0	8,016.0	14,430.3	7,788.0	95.2	95.6	-77.67	5,231.6	-631.1	1,068.1	882.3	185.76	5.750			
14,700.0	8,016.0	14,530.3	7,788.0	96.9	97.3	-77.67	5,331.6	-629.5	1,067.7	878.6	189.14	5.645			
14,800.0	8,016.0	14,630.3	7,788.0	98.6	99.0	-77.67	5,431.6	-627.9	1,067.3	874.8	192.52	5.544			
14,900.0	8,016.0	14,730.3	7,788.0	100.4	100.8	-77.66	5,531.5	-626.3	1,067.0	871.1	195.89	5.447			
15,000.0	8,016.0	14,830.3	7,788.0	102.1	102.5	-77.66	5,631.5	-624.7	1,066.6	867.3	199.27	5.352			
15,100.0	8,016.0	14,930.3	7,788.0	103.8	104.2	-77.65	5,731.5	-623.0	1,066.2	863.5	202.65	5.261			
15,200.0	8,016.0	15,030.3	7,788.0	105.5	105.9	-77.65	5,831.5	-621.4	1,065.8	859.8	206.04	5.173			
15,300.0	8,016.0	15,130.3	7,788.0	107.3	107.6	-77.64	5,931.5	-619.8	1,065.4	856.0	209.42	5.088			
15,400.0	8,016.0	15,230.3	7,788.0	109.0	109.4	-77.64	6,031.5	-618.2	1,065.1	852.3	212.81	5.005			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3C-29H-M168 - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
15,500.0	8,016.0	15,330.3	7,788.0	110.7	111.1	-77.63	6,131.5	-616.6	1,064.7	848.5	216.19	4.925	
15,600.0	8,016.0	15,430.3	7,788.0	112.5	112.8	-77.63	6,231.5	-615.0	1,064.3	844.7	219.58	4.847	
15,700.0	8,016.0	15,530.3	7,788.0	114.2	114.5	-77.63	6,331.4	-613.4	1,063.9	841.0	222.97	4.772	
15,800.0	8,016.0	15,630.3	7,788.0	115.9	116.3	-77.62	6,431.4	-611.8	1,063.6	837.2	226.36	4.699	
15,900.0	8,016.0	15,730.3	7,788.0	117.7	118.0	-77.62	6,531.4	-610.2	1,063.2	833.4	229.75	4.628	
16,000.0	8,016.0	15,830.3	7,788.0	119.4	119.7	-77.61	6,631.4	-608.6	1,062.8	829.7	233.14	4.559	
16,100.0	8,016.0	15,930.3	7,788.0	121.1	121.5	-77.61	6,731.4	-607.0	1,062.4	825.9	236.53	4.492	
16,200.0	8,016.0	16,030.3	7,788.0	122.9	123.2	-77.60	6,831.4	-605.4	1,062.1	822.1	239.92	4.427	
16,300.0	8,016.0	16,130.3	7,788.0	124.6	124.9	-77.60	6,931.4	-603.8	1,061.7	818.4	243.32	4.363	
16,400.0	8,016.0	16,230.3	7,788.0	126.3	126.7	-77.59	7,031.3	-602.2	1,061.3	814.6	246.71	4.302	
16,500.0	8,016.0	16,330.3	7,788.0	128.1	128.4	-77.59	7,131.3	-600.6	1,060.9	810.8	250.11	4.242	
16,600.0	8,016.0	16,430.3	7,788.0	129.8	130.1	-77.59	7,231.3	-599.0	1,060.6	807.1	253.50	4.184	
16,700.0	8,016.0	16,530.3	7,788.0	131.6	131.9	-77.58	7,331.3	-597.3	1,060.2	803.3	256.90	4.127	
16,759.6	8,016.0	16,589.9	7,788.0	132.6	132.9	-77.58	7,390.9	-596.4	1,060.0	801.0	258.92	4.094	
16,800.0	8,016.0	16,590.2	7,788.0	133.3	132.9	-77.58	7,391.2	-596.4	1,060.6	801.0	259.61	4.085 SF	
16,900.0	8,016.0	16,590.2	7,788.0	135.0	132.9	-77.58	7,391.2	-596.4	1,068.7	807.3	261.31	4.090	
17,000.0	8,016.0	16,590.2	7,788.0	136.8	132.9	-77.58	7,391.2	-596.4	1,085.9	822.9	263.02	4.129	
17,100.0	8,016.0	16,590.2	7,788.0	138.5	132.9	-77.58	7,391.2	-596.4	1,112.0	847.2	264.72	4.201	
17,200.0	8,016.0	16,590.2	7,788.0	140.3	132.9	-77.58	7,391.2	-596.4	1,146.2	879.7	266.42	4.302	
17,300.0	8,016.0	16,590.2	7,788.0	142.0	132.9	-77.58	7,391.2	-596.4	1,187.8	919.7	268.12	4.430	
17,400.0	8,016.0	16,590.2	7,788.0	143.7	132.9	-77.58	7,391.2	-596.4	1,236.2	966.4	269.82	4.581	
17,500.0	8,016.0	16,590.2	7,788.0	145.5	132.9	-77.58	7,391.2	-596.4	1,290.5	1,019.0	271.52	4.753	
17,600.0	8,016.0	16,590.2	7,788.0	147.2	132.9	-77.58	7,391.2	-596.4	1,350.0	1,076.8	273.23	4.941	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3D-29H-M168 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
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	-89.95	0.0	-19.6	19.6						
100.0	100.0	100.0	100.0	0.2	0.2	-89.95	0.0	-19.6	19.6	19.3	0.30	64.558			
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-19.6	19.6	19.0	0.65	30.035			
300.0	300.0	300.0	300.0	0.5	0.5	-89.95	0.0	-19.6	19.6	18.6	1.00	19.570 CC			
400.0	400.0	400.0	400.0	0.7	0.7	110.44	0.0	-19.6	19.9	18.5	1.35	14.720 ES			
500.0	500.0	500.0	500.0	0.9	0.8	117.15	0.0	-19.6	21.0	19.2	1.70	12.298			
600.0	599.9	599.7	599.7	1.0	1.0	124.78	-0.6	-20.2	23.6	21.6	2.06	11.476			
700.0	699.7	699.4	699.3	1.2	1.2	130.13	-2.5	-22.0	28.4	26.0	2.42	11.721			
800.0	799.4	799.0	798.9	1.4	1.4	133.45	-5.6	-24.8	35.0	32.2	2.79	12.525			
900.0	898.9	898.7	898.4	1.7	1.6	136.90	-8.9	-27.9	43.0	39.8	3.17	13.564			
1,000.0	998.3	998.2	997.9	1.9	1.8	140.49	-12.3	-30.9	52.4	48.9	3.55	14.778			
1,100.0	1,097.4	1,097.5	1,097.1	2.2	1.9	143.90	-15.6	-34.0	63.4	59.5	3.93	16.148			
1,200.0	1,196.3	1,196.6	1,196.1	2.5	2.1	147.01	-18.9	-37.0	76.0	71.7	4.31	17.654			
1,300.0	1,294.9	1,295.5	1,294.9	2.8	2.3	149.78	-22.2	-40.0	90.3	85.6	4.68	19.278			
1,400.0	1,393.3	1,394.2	1,393.4	3.1	2.5	152.22	-25.5	-43.1	106.2	101.2	5.06	21.003			
1,500.0	1,491.2	1,492.5	1,491.7	3.5	2.7	154.35	-28.8	-46.1	123.9	118.4	5.43	22.814			
1,600.0	1,588.9	1,590.5	1,589.6	3.9	2.9	156.22	-32.0	-49.1	143.2	137.4	5.80	24.699			
1,700.0	1,686.1	1,688.2	1,687.1	4.3	3.1	157.86	-35.3	-52.1	164.2	158.1	6.16	26.638			
1,800.0	1,783.2	1,785.7	1,784.6	4.8	3.2	159.25	-38.5	-55.1	185.9	179.3	6.54	28.431			
1,900.0	1,880.3	1,883.3	1,882.0	5.2	3.4	160.35	-41.8	-58.1	207.6	200.7	6.91	30.043			
2,000.0	1,977.5	1,980.8	1,979.5	5.6	3.6	161.24	-45.0	-61.0	229.3	222.1	7.28	31.498			
2,100.0	2,074.6	2,078.3	2,076.9	6.1	3.8	161.98	-48.3	-64.0	251.2	243.5	7.65	32.817			
2,200.0	2,171.7	2,175.9	2,174.3	6.5	4.0	162.60	-51.5	-67.0	273.0	265.0	8.03	34.017			
2,300.0	2,268.8	2,273.4	2,271.8	6.9	4.2	163.13	-54.8	-70.0	294.9	286.5	8.40	35.114			
2,400.0	2,365.9	2,371.0	2,369.2	7.4	4.4	163.58	-58.0	-73.0	316.8	308.0	8.77	36.120			
2,500.0	2,463.0	2,468.5	2,466.7	7.8	4.5	163.98	-61.3	-76.0	338.7	329.6	9.14	37.046			
2,600.0	2,560.1	2,566.1	2,564.1	8.3	4.7	164.32	-64.6	-79.0	360.6	351.1	9.52	37.900			
2,700.0	2,657.3	2,663.6	2,661.6	8.7	4.9	164.63	-67.8	-82.0	382.6	372.7	9.89	38.691			
2,800.0	2,754.4	2,761.2	2,759.0	9.2	5.1	164.90	-71.1	-85.0	404.5	394.3	10.26	39.426			
2,900.0	2,851.5	2,858.7	2,856.5	9.6	5.3	165.15	-74.3	-88.0	426.5	415.9	10.63	40.109			
3,000.0	2,948.6	2,956.2	2,953.9	10.1	5.5	165.37	-77.6	-91.0	448.4	437.4	11.01	40.747			
3,100.0	3,045.7	3,053.8	3,051.3	10.5	5.7	165.57	-80.8	-94.0	470.4	459.0	11.38	41.344			
3,200.0	3,142.8	3,151.3	3,148.8	11.0	5.8	165.76	-84.1	-96.9	492.4	480.6	11.75	41.903			
3,300.0	3,239.9	3,248.9	3,246.2	11.4	6.0	165.92	-87.3	-99.9	514.4	502.2	12.12	42.428			
3,400.0	3,337.0	3,346.4	3,343.7	11.9	6.2	166.08	-90.6	-102.9	536.4	523.9	12.50	42.922			
3,500.0	3,434.2	3,444.0	3,441.1	12.3	6.4	166.22	-93.8	-105.9	558.3	545.5	12.87	43.387			
3,600.0	3,531.3	3,541.5	3,538.6	12.8	6.6	166.35	-97.1	-108.9	580.3	567.1	13.24	43.827			
3,700.0	3,628.4	3,639.1	3,636.0	13.2	6.8	166.47	-100.3	-111.9	602.3	588.7	13.61	44.242			
3,800.0	3,725.5	3,736.6	3,733.5	13.7	7.0	166.59	-103.6	-114.9	624.3	610.3	13.99	44.636			
3,900.0	3,822.6	3,834.1	3,830.9	14.1	7.1	167.54	-106.8	-117.9	646.3	632.0	14.36	45.024			
4,000.0	3,919.8	3,931.7	3,928.3	14.5	7.3	171.84	-110.1	-120.9	668.5	653.8	14.70	45.472			
4,100.0	4,016.9	4,029.1	4,025.7	15.0	7.5	176.01	-113.3	-123.9	690.8	675.8	15.05	45.911			
4,200.0	4,114.0	4,126.5	4,122.9	15.4	7.7	178.93	-116.6	-126.9	713.4	698.0	15.40	46.317			
4,300.0	4,211.1	4,223.8	4,220.2	15.9	7.9	178.62	-119.8	-129.8	736.0	720.2	15.78	46.648			
4,400.0	4,308.3	4,321.1	4,317.4	16.3	8.1	178.34	-123.1	-132.8	758.7	742.5	16.15	46.965			
4,500.0	4,405.4	4,418.5	4,414.6	16.8	8.3	178.07	-126.3	-135.8	781.3	764.8	16.53	47.269			
4,600.0	4,502.5	4,515.8	4,511.9	17.2	8.5	177.81	-129.6	-138.8	804.0	787.1	16.91	47.560			
4,700.0	4,599.6	4,613.1	4,609.1	17.7	8.6	177.57	-132.8	-141.8	826.7	809.4	17.28	47.839			
4,800.0	4,696.7	4,710.5	4,706.3	18.1	8.8	177.34	-136.1	-144.8	849.4	831.8	17.66	48.107			
4,900.0	4,793.8	4,807.8	4,803.6	18.6	9.0	177.13	-139.3	-147.8	872.1	854.1	18.03	48.365			
5,000.0	4,891.0	4,905.1	4,900.8	19.0	9.2	176.92	-142.6	-150.7	894.9	876.5	18.41	48.613			
5,100.0	4,988.1	5,002.5	4,998.0	19.5	9.4	176.73	-145.8	-153.7	917.6	898.8	18.78	48.852			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3D-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,085.2	5,099.8	5,095.3	19.9	9.6	176.54	-149.0	-156.7	940.4	921.2	19.16	49.081		
5,300.0	5,182.3	5,197.1	5,192.5	20.3	9.8	176.37	-152.3	-159.7	963.1	943.6	19.54	49.303		
5,400.0	5,279.4	5,294.5	5,289.7	20.8	9.9	176.20	-155.5	-162.7	985.9	966.0	19.91	49.516		
5,500.0	5,376.5	5,391.8	5,387.0	21.2	10.1	176.04	-158.8	-165.7	1,008.7	988.4	20.29	49.722		
5,600.0	5,473.7	5,489.1	5,484.2	21.7	10.3	175.89	-162.0	-168.7	1,031.5	1,010.8	20.66	49.921		
5,700.0	5,570.8	5,586.5	5,581.4	22.1	10.5	175.74	-165.3	-171.6	1,054.3	1,033.2	21.04	50.113		
5,800.0	5,667.9	5,683.8	5,678.7	22.6	10.7	175.60	-168.5	-174.6	1,077.1	1,055.7	21.41	50.299		
5,900.0	5,765.0	5,781.1	5,775.9	23.0	10.9	175.46	-171.8	-177.6	1,099.9	1,078.1	21.79	50.478		
6,000.0	5,862.1	5,878.5	5,873.1	23.5	11.1	175.33	-175.0	-180.6	1,122.7	1,100.5	22.16	50.652		
6,100.0	5,959.2	5,975.8	5,970.4	23.9	11.2	175.21	-178.3	-183.6	1,145.5	1,123.0	22.54	50.820		
6,200.0	6,056.3	6,073.1	6,067.6	24.4	11.4	175.09	-181.5	-186.6	1,168.3	1,145.4	22.92	50.983		
6,300.0	6,153.5	6,170.5	6,164.8	24.8	11.6	174.98	-184.8	-189.6	1,191.2	1,167.9	23.29	51.141		
6,400.0	6,250.6	6,267.8	6,262.0	25.3	11.8	174.86	-188.0	-192.5	1,214.0	1,190.3	23.67	51.294		
6,500.0	6,347.7	6,365.1	6,359.3	25.7	12.0	174.76	-191.2	-195.5	1,236.8	1,212.8	24.04	51.443		
6,600.0	6,444.8	6,462.5	6,456.5	26.2	12.2	174.66	-194.5	-198.5	1,259.7	1,235.2	24.42	51.587		
6,700.0	6,541.9	6,559.8	6,553.7	26.6	12.4	174.56	-197.7	-201.5	1,282.5	1,257.7	24.79	51.727		
6,800.0	6,639.0	6,657.1	6,651.0	27.1	12.6	174.46	-201.0	-204.5	1,305.3	1,280.2	25.17	51.863		
6,900.0	6,736.2	6,754.5	6,748.2	27.5	12.7	174.37	-204.2	-207.5	1,328.2	1,302.6	25.54	51.995		
7,000.0	6,833.3	6,851.8	6,845.4	28.0	12.9	174.28	-207.5	-210.5	1,351.0	1,325.1	25.92	52.123		
7,100.0	6,930.4	6,949.1	6,942.7	28.4	13.1	174.19	-210.7	-213.4	1,373.9	1,347.6	26.30	52.248		
7,200.0	7,027.5	7,046.5	7,039.9	28.9	13.3	174.11	-214.0	-216.4	1,396.8	1,370.1	26.67	52.369		
8,200.0	7,924.2	7,617.8	7,608.4	27.5	14.2	-52.09	-202.8	-233.9	1,374.2	1,344.9	29.26	46.972		
8,300.0	7,970.8	7,650.0	7,638.9	26.5	14.2	-56.15	-192.6	-234.8	1,327.5	1,297.1	30.40	43.661		
8,400.0	8,001.4	7,669.0	7,656.7	25.5	14.2	-61.26	-185.9	-235.4	1,275.1	1,243.4	31.66	40.278		
8,500.0	8,015.2	7,700.0	7,685.1	24.5	14.2	-68.25	-173.5	-236.2	1,218.8	1,185.9	32.90	37.041		
8,600.0	8,016.0	7,700.0	7,685.1	23.5	14.2	-70.15	-173.5	-236.2	1,161.8	1,129.4	32.41	35.841		
8,700.0	8,016.0	7,731.1	7,712.9	22.7	14.2	-71.72	-159.6	-237.1	1,109.6	1,077.9	31.72	34.981		
8,800.0	8,016.0	7,750.0	7,729.4	21.9	14.2	-72.65	-150.5	-237.6	1,063.5	1,032.5	31.02	34.281		
8,900.0	8,016.0	7,786.2	7,760.1	21.3	14.3	-74.42	-131.4	-238.5	1,023.6	993.0	30.53	33.531		
9,000.0	8,016.0	7,821.3	7,788.8	20.8	14.3	-76.10	-111.1	-239.4	990.4	960.3	30.13	32.868		
9,100.0	8,016.0	7,863.3	7,821.3	20.5	14.3	-78.03	-84.6	-240.4	964.0	934.1	29.90	32.243		
9,200.0	8,016.0	7,913.7	7,857.6	20.2	14.3	-80.21	-49.7	-241.5	944.3	914.5	29.85	31.634		
9,300.0	8,016.0	7,974.1	7,897.0	20.2	14.4	-82.61	-3.9	-242.7	930.7	900.7	30.01	31.008		
9,400.0	8,016.0	8,046.2	7,937.2	20.3	14.6	-85.09	55.8	-244.0	922.0	891.6	30.43	30.303		
9,500.0	8,016.0	8,130.6	7,974.4	20.5	15.0	-87.40	131.5	-245.1	916.8	885.6	31.14	29.438		
9,600.0	8,016.0	8,226.3	8,002.6	20.9	15.5	-89.16	222.8	-246.0	913.3	881.1	32.21	28.358		
9,700.0	8,016.0	8,329.4	8,015.6	21.4	16.2	-89.98	325.0	-246.4	910.1	876.4	33.64	27.057		
9,800.0	8,016.0	8,430.3	8,016.0	22.1	17.1	-90.00	425.9	-246.4	906.6	871.2	35.35	25.646		
9,900.0	8,016.0	8,530.3	8,016.0	22.8	18.1	-90.00	525.9	-246.4	903.1	865.8	37.30	24.212		
10,000.0	8,016.0	8,630.2	8,016.0	23.7	19.3	-90.00	625.8	-246.4	899.6	860.2	39.46	22.796		
10,100.0	8,016.0	8,730.1	8,016.0	24.7	20.5	-90.00	725.7	-246.4	896.1	854.3	41.81	21.433		
10,200.0	8,016.0	8,830.1	8,016.0	25.7	21.7	-90.00	825.7	-246.4	892.6	848.3	44.31	20.146		
10,300.0	8,016.0	8,930.0	8,016.0	26.9	23.1	-90.00	925.6	-246.4	889.1	842.2	46.94	18.943		
10,400.0	8,016.0	9,030.0	8,016.0	28.1	24.5	-90.00	1,025.5	-246.4	885.7	836.0	49.67	17.830		
10,500.0	8,016.0	9,129.9	8,016.0	29.3	25.9	-90.00	1,125.5	-246.4	882.2	829.7	52.50	16.803		
10,600.0	8,016.0	9,229.8	8,016.0	30.6	27.4	-90.00	1,225.4	-246.4	878.7	823.3	55.41	15.859		
10,700.0	8,016.0	9,329.8	8,016.0	31.9	28.9	-90.00	1,325.4	-246.4	875.2	816.8	58.38	14.992		
10,800.0	8,016.0	9,429.7	8,016.0	33.3	30.4	-90.00	1,425.3	-246.4	871.7	810.3	61.41	14.196		
10,900.0	8,016.0	9,529.7	8,016.0	34.7	32.0	-90.00	1,525.2	-246.4	868.2	803.7	64.48	13.464		
11,000.0	8,016.0	9,629.6	8,016.0	36.2	33.5	-90.00	1,625.2	-246.4	864.7	797.1	67.60	12.792		
11,100.0	8,016.0	9,729.5	8,016.0	37.7	35.1	-90.00	1,725.1	-246.4	861.2	790.5	70.75	12.172		
11,200.0	8,016.0	9,829.5	8,016.0	39.1	36.7	-90.00	1,825.1	-246.4	857.7	783.8	73.94	11.600		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3D-29H-M168 - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
11,300.0	8,016.0	9,929.4	8,016.0	40.7	38.4	-90.00	1,925.0	-246.4	854.2	777.1	77.15	11.072	
11,400.0	8,016.0	10,029.4	8,016.0	42.2	40.0	-90.00	2,024.9	-246.4	850.8	770.4	80.39	10.583	
11,500.0	8,016.0	10,129.3	8,016.0	43.7	41.6	-90.00	2,124.9	-246.4	847.3	763.6	83.65	10.128	
11,600.0	8,016.0	10,229.2	8,016.0	45.3	43.3	-90.00	2,224.8	-246.4	843.8	756.8	86.93	9.706	
11,700.0	8,016.0	10,329.2	8,016.0	46.9	44.9	-90.00	2,324.8	-246.4	840.3	750.1	90.23	9.313	
11,800.0	8,016.0	10,429.1	8,016.0	48.5	46.6	-90.00	2,424.7	-246.4	836.8	743.3	93.54	8.946	
11,900.0	8,016.0	10,529.1	8,016.0	50.1	48.3	-90.00	2,524.6	-246.4	833.3	736.4	96.86	8.603	
12,000.0	8,016.0	10,629.0	8,016.0	51.7	50.0	-90.00	2,624.6	-246.4	829.4	729.3	100.09	8.286	
12,100.0	8,016.0	10,728.8	8,016.0	53.3	51.6	-90.00	2,724.4	-246.4	823.8	720.6	103.25	7.979	
12,200.0	8,016.0	10,828.5	8,016.0	54.9	53.3	-90.00	2,824.1	-246.4	816.5	710.1	106.39	7.674	
12,300.0	8,016.0	10,928.1	8,016.0	56.5	55.0	-90.00	2,923.7	-246.4	807.4	697.9	109.50	7.373	
12,400.0	8,016.0	11,027.5	8,016.0	58.1	56.7	-90.00	3,023.1	-246.4	796.6	684.0	112.59	7.076	
12,500.0	8,016.0	11,126.8	8,016.0	59.7	58.4	-90.00	3,122.4	-246.4	784.3	668.5	115.78	6.774	
12,600.0	8,016.0	11,226.0	8,016.0	61.4	60.1	-90.00	3,221.6	-246.4	771.6	652.5	119.14	6.477	
12,700.0	8,016.0	11,325.2	8,016.0	63.0	61.7	-90.00	3,320.8	-246.4	759.0	636.5	122.52	6.195	
12,800.0	8,016.0	11,424.4	8,016.0	64.6	63.4	-90.00	3,420.0	-246.4	746.4	620.5	125.90	5.929	
12,900.0	8,016.0	11,523.6	8,016.0	66.3	65.1	-90.00	3,519.2	-246.4	733.8	604.5	129.28	5.676	
13,000.0	8,016.0	11,622.8	8,016.0	67.9	66.8	-90.00	3,618.4	-246.4	721.2	588.5	132.67	5.436	
13,100.0	8,016.0	11,722.0	8,016.0	69.6	68.5	-90.00	3,717.6	-246.4	708.6	572.5	136.07	5.207	
13,200.0	8,016.0	11,821.2	8,016.0	71.3	70.2	-90.00	3,816.8	-246.4	695.9	556.4	139.49	4.989	
13,300.0	8,016.0	11,920.5	8,016.0	72.9	71.9	-90.00	3,916.1	-246.4	684.3	541.0	143.22	4.778	
13,400.0	8,016.0	12,020.0	8,016.0	74.6	73.7	-90.00	4,015.6	-246.4	674.3	527.4	146.93	4.589	
13,500.0	8,016.0	12,119.7	8,016.0	76.3	75.4	-90.00	4,115.2	-246.4	666.1	515.5	150.61	4.423	
13,600.0	8,016.0	12,219.5	8,016.0	78.0	77.1	-90.00	4,215.0	-246.4	659.7	505.4	154.26	4.277	
13,700.0	8,016.0	12,319.3	8,016.0	79.7	78.8	-90.00	4,314.9	-246.4	655.0	497.1	157.87	4.149	
13,800.0	8,016.0	12,419.3	8,016.0	81.4	80.5	-90.00	4,414.9	-246.4	652.0	490.6	161.44	4.039	
13,900.0	8,016.0	12,519.3	8,016.0	83.1	82.3	-90.00	4,514.9	-246.4	650.8	485.8	164.98	3.945	
13,922.2	8,016.0	12,541.5	8,016.0	83.5	82.6	-90.00	4,537.1	-246.4	650.8	485.0	165.75	3.926	
14,000.0	8,016.0	12,619.3	8,016.0	84.9	84.0	-90.00	4,614.9	-246.4	651.3	482.8	168.46	3.866	
14,100.0	8,016.0	12,719.3	8,016.0	86.6	85.7	-90.00	4,714.9	-246.4	652.5	480.6	171.91	3.796	
14,200.0	8,016.0	12,819.3	8,016.0	88.3	87.4	-90.00	4,814.9	-246.4	653.8	478.4	175.37	3.728	
14,300.0	8,016.0	12,919.3	8,016.0	90.0	89.2	-90.00	4,914.8	-246.4	655.0	476.2	178.82	3.663	
14,400.0	8,016.0	13,019.3	8,016.0	91.7	90.9	-90.00	5,014.8	-246.4	656.2	473.9	182.28	3.600	
14,500.0	8,016.0	13,119.3	8,016.0	93.5	92.6	-90.00	5,114.8	-246.4	657.4	471.7	185.74	3.539	
14,600.0	8,016.0	13,219.2	8,016.0	95.2	94.4	-90.00	5,214.8	-246.4	658.6	469.4	189.20	3.481	
14,700.0	8,016.0	13,319.2	8,016.0	96.9	96.1	-90.00	5,314.8	-246.4	659.9	467.2	192.67	3.425	
14,800.0	8,016.0	13,419.2	8,016.0	98.6	97.8	-90.00	5,414.8	-246.4	661.1	465.0	196.13	3.371	
14,900.0	8,016.0	13,519.2	8,016.0	100.4	99.6	-90.00	5,514.8	-246.4	662.3	462.7	199.60	3.318	
15,000.0	8,016.0	13,619.2	8,016.0	102.1	101.3	-90.00	5,614.8	-246.4	663.5	460.5	203.07	3.268	
15,100.0	8,016.0	13,719.2	8,016.0	103.8	103.0	-90.00	5,714.8	-246.4	664.7	458.2	206.54	3.219	
15,200.0	8,016.0	13,819.2	8,016.0	105.5	104.8	-90.00	5,814.8	-246.4	666.0	456.0	210.01	3.171	
15,300.0	8,016.0	13,919.2	8,016.0	107.3	106.5	-90.00	5,914.8	-246.4	667.2	453.7	213.48	3.125	
15,400.0	8,016.0	14,019.2	8,016.0	109.0	108.3	-90.00	6,014.8	-246.4	668.4	451.5	216.95	3.081	
15,500.0	8,016.0	14,119.2	8,016.0	110.7	110.0	-90.00	6,114.8	-246.4	669.6	449.2	220.43	3.038	
15,600.0	8,016.0	14,219.2	8,016.0	112.5	111.7	-90.00	6,214.8	-246.4	670.9	447.0	223.90	2.996	
15,700.0	8,016.0	14,319.2	8,016.0	114.2	113.5	-90.00	6,314.7	-246.4	672.1	444.7	227.38	2.956	
15,800.0	8,016.0	14,419.2	8,016.0	115.9	115.2	-90.00	6,414.7	-246.4	673.3	442.4	230.85	2.917	
15,900.0	8,016.0	14,519.1	8,016.0	117.7	117.0	-90.00	6,514.7	-246.4	674.5	440.2	234.33	2.878	
16,000.0	8,016.0	14,619.1	8,016.0	119.4	118.7	-90.00	6,614.7	-246.4	675.7	437.9	237.81	2.842	
16,100.0	8,016.0	14,719.1	8,016.0	121.1	120.4	-90.00	6,714.7	-246.4	677.0	435.7	241.29	2.806	
16,200.0	8,016.0	14,819.1	8,016.0	122.9	122.2	-90.00	6,814.7	-246.4	678.2	433.4	244.77	2.771	
16,300.0	8,016.0	14,919.1	8,016.0	124.6	123.9	-90.00	6,914.7	-246.4	679.4	431.2	248.25	2.737	

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3D-29H-M168 - Hz - Plan #1													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						
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
16,400.0	8,016.0	15,019.1	8,016.0	126.3	125.7	-90.00	7,014.7	-246.4	680.6	428.9	251.73	2.704	
16,500.0	8,016.0	15,119.1	8,016.0	128.1	127.4	-90.00	7,114.7	-246.4	681.9	426.6	255.22	2.672	
16,600.0	8,016.0	15,219.1	8,016.0	129.8	129.1	-90.00	7,214.7	-246.4	683.1	424.4	258.70	2.640	
16,700.0	8,016.0	15,319.1	8,016.0	131.6	130.9	-90.00	7,314.7	-246.4	684.3	422.1	262.18	2.610	
16,800.0	8,016.0	15,419.1	8,016.0	133.3	132.6	-90.00	7,414.7	-246.4	685.5	419.8	265.67	2.580	
16,900.0	8,016.0	15,450.3	8,016.0	135.0	133.2	-90.00	7,445.8	-246.4	690.2	422.2	267.95	2.576 SF	
17,000.0	8,016.0	15,450.3	8,016.0	136.8	133.2	-90.00	7,445.8	-246.4	708.4	438.7	269.70	2.627	
17,100.0	8,016.0	15,450.3	8,016.0	138.5	133.2	-90.00	7,445.8	-246.4	739.7	468.3	271.44	2.725	
17,200.0	8,016.0	15,450.3	8,016.0	140.3	133.2	-90.00	7,445.8	-246.4	782.7	509.5	273.18	2.865	
17,300.0	8,016.0	15,450.3	8,016.0	142.0	133.2	-90.00	7,445.8	-246.4	835.5	560.6	274.92	3.039	
17,400.0	8,016.0	15,450.3	8,016.0	143.7	133.2	-90.00	7,445.8	-246.4	896.4	619.7	276.66	3.240	
17,500.0	8,016.0	15,450.3	8,016.0	145.5	133.2	-90.00	7,445.8	-246.4	963.8	685.4	278.41	3.462	
17,600.0	8,016.0	15,450.3	8,016.0	147.2	133.2	-90.00	7,445.8	-246.4	1,036.5	756.4	280.15	3.700	
17,700.0	8,016.0	15,450.3	8,016.0	149.0	133.2	-90.00	7,445.8	-246.4	1,113.5	831.6	281.89	3.950	
17,800.0	8,016.0	15,450.3	8,016.0	150.7	133.2	-90.00	7,445.8	-246.4	1,193.9	910.2	283.64	4.209	
17,900.0	8,016.0	15,450.3	8,016.0	152.4	133.2	-90.00	7,445.8	-246.4	1,277.0	991.6	285.38	4.475	
17,982.4	8,016.0	15,450.3	8,016.0	153.9	133.2	-90.00	7,445.8	-246.4	1,347.2	1,060.4	286.82	4.697	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3E-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.94	0.0	-8.4	8.4					
100.0	100.0	100.0	100.0	0.2	0.2	-89.94	0.0	-8.4	8.4	8.1	0.30	27.668		
200.0	200.0	200.0	200.0	0.3	0.3	-89.94	0.0	-8.4	8.4	7.7	0.65	12.872		
300.0	300.0	300.0	300.0	0.5	0.5	-89.94	0.0	-8.4	8.4	7.4	1.00	8.387 CC		
400.0	400.0	400.0	400.0	0.7	0.7	113.52	0.0	-8.4	8.7	7.4	1.35	6.447 ES		
500.0	500.0	500.0	500.0	0.9	0.9	122.61	-0.9	-8.3	9.7	8.0	1.70	5.715		
600.0	599.9	600.1	600.0	1.0	1.0	128.65	-3.5	-8.2	11.3	9.3	2.06	5.490		
700.0	699.7	700.1	700.0	1.2	1.2	132.08	-7.8	-7.9	13.3	10.9	2.43	5.493		
800.0	799.4	800.2	799.9	1.4	1.4	133.64	-13.9	-7.4	15.7	12.9	2.81	5.602		
900.0	898.9	900.3	899.7	1.7	1.6	133.96	-21.8	-6.9	18.5	15.3	3.21	5.759		
1,000.0	998.3	1,000.5	999.4	1.9	1.8	133.51	-31.4	-6.3	21.6	17.9	3.64	5.932		
1,100.0	1,097.4	1,100.6	1,098.9	2.2	2.1	132.58	-42.7	-5.5	25.0	20.9	4.10	6.105		
1,200.0	1,196.3	1,200.8	1,198.2	2.5	2.3	131.38	-55.7	-4.6	28.8	24.2	4.60	6.265		
1,300.0	1,294.9	1,300.9	1,297.2	2.8	2.6	130.03	-70.5	-3.6	32.9	27.8	5.14	6.409		
1,400.0	1,393.3	1,401.1	1,396.0	3.1	2.9	128.64	-87.0	-2.5	37.5	31.7	5.73	6.533		
1,500.0	1,491.2	1,501.2	1,494.5	3.5	3.3	127.24	-105.2	-1.2	42.3	36.0	6.38	6.636		
1,600.0	1,588.9	1,601.4	1,592.6	3.9	3.6	125.87	-125.2	0.2	47.6	40.5	7.09	6.722		
1,700.0	1,686.1	1,701.5	1,690.4	4.3	4.0	124.52	-146.8	1.6	53.3	45.4	7.85	6.790		
1,800.0	1,783.2	1,801.6	1,787.7	4.8	4.5	122.36	-170.1	3.2	58.7	50.0	8.68	6.761		
1,900.0	1,880.3	1,901.5	1,884.7	5.2	4.9	120.13	-193.9	4.8	64.0	54.5	9.54	6.708		
2,000.0	1,977.5	2,001.3	1,981.6	5.6	5.3	118.25	-217.6	6.5	69.4	59.0	10.42	6.666		
2,100.0	2,074.6	2,101.1	2,078.6	6.1	5.7	116.64	-241.3	8.1	74.9	63.6	11.30	6.632		
2,200.0	2,171.7	2,200.9	2,175.5	6.5	6.2	115.25	-265.0	9.7	80.5	68.3	12.18	6.605		
2,300.0	2,268.8	2,300.8	2,272.5	6.9	6.6	114.04	-288.8	11.3	86.0	73.0	13.07	6.583		
2,400.0	2,365.9	2,400.6	2,369.4	7.4	7.0	112.98	-312.5	13.0	91.7	77.7	13.96	6.565		
2,500.0	2,463.0	2,500.4	2,466.4	7.8	7.5	112.04	-336.2	14.6	97.3	82.4	14.85	6.550		
2,600.0	2,560.1	2,600.3	2,563.3	8.3	7.9	111.20	-360.0	16.2	102.9	87.2	15.75	6.538		
2,700.0	2,657.3	2,700.1	2,660.3	8.7	8.4	110.46	-383.7	17.8	108.6	92.0	16.64	6.528		
2,800.0	2,754.4	2,799.9	2,757.2	9.2	8.8	109.78	-407.4	19.4	114.3	96.8	17.53	6.520		
2,900.0	2,851.5	2,899.7	2,854.2	9.6	9.2	109.17	-431.1	21.1	120.0	101.6	18.43	6.513		
3,000.0	2,948.6	2,999.6	2,951.2	10.1	9.7	108.62	-454.9	22.7	125.8	106.4	19.33	6.507		
3,100.0	3,045.7	3,099.4	3,048.1	10.5	10.1	108.11	-478.6	24.3	131.5	111.3	20.22	6.503		
3,200.0	3,142.8	3,199.2	3,145.1	11.0	10.6	107.64	-502.3	25.9	137.2	116.1	21.12	6.499		
3,300.0	3,239.9	3,299.1	3,242.0	11.4	11.0	107.22	-526.0	27.6	143.0	121.0	22.01	6.495		
3,400.0	3,337.0	3,398.9	3,339.0	11.9	11.5	106.82	-549.8	29.2	148.7	125.8	22.91	6.492		
3,500.0	3,434.2	3,498.7	3,435.9	12.3	11.9	106.46	-573.5	30.8	154.5	130.7	23.81	6.490		
3,600.0	3,531.3	3,598.5	3,532.9	12.8	12.4	106.12	-597.2	32.4	160.3	135.6	24.70	6.488		
3,700.0	3,628.4	3,698.4	3,629.8	13.2	12.8	105.81	-621.0	34.0	166.1	140.5	25.60	6.486		
3,800.0	3,725.5	3,798.2	3,726.8	13.7	13.2	105.51	-644.7	35.7	171.8	145.3	26.50	6.485		
3,900.0	3,822.6	3,898.0	3,823.7	14.1	13.7	106.05	-668.4	37.3	177.7	150.3	27.39	6.486		
4,000.0	3,919.8	3,997.8	3,920.6	14.5	14.1	109.76	-692.1	38.9	184.6	156.3	28.27	6.530		
4,100.0	4,016.9	4,097.4	4,017.4	15.0	14.6	113.34	-715.8	40.5	193.1	164.0	29.13	6.630		
4,200.0	4,114.0	4,196.9	4,114.0	15.4	15.0	115.73	-739.4	42.1	203.3	173.3	30.00	6.777		
4,300.0	4,211.1	4,296.3	4,210.5	15.9	15.5	115.08	-763.1	43.8	213.9	183.1	30.89	6.926		
4,400.0	4,308.3	4,395.7	4,307.0	16.3	15.9	114.50	-786.7	45.4	224.6	192.8	31.78	7.068		
4,500.0	4,405.4	4,495.1	4,403.6	16.8	16.4	113.97	-810.3	47.0	235.3	202.6	32.67	7.203		
4,600.0	4,502.5	4,594.5	4,500.1	17.2	16.8	113.48	-833.9	48.6	246.0	212.4	33.55	7.332		
4,700.0	4,599.6	4,693.9	4,596.7	17.7	17.3	113.04	-857.6	50.2	256.7	222.3	34.44	7.455		
4,800.0	4,696.7	4,793.3	4,693.2	18.1	17.7	112.63	-881.2	51.8	267.4	232.1	35.32	7.572		
4,900.0	4,793.8	4,892.7	4,789.8	18.6	18.2	112.25	-904.8	53.4	278.2	242.0	36.20	7.684		
5,000.0	4,891.0	4,992.1	4,886.3	19.0	18.6	111.91	-928.4	55.1	289.0	251.9	37.09	7.791		
5,100.0	4,988.1	5,091.5	4,982.9	19.5	19.1	111.58	-952.1	56.7	299.7	261.7	37.97	7.894		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3E-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,200.0	5,085.2	5,190.9	5,079.4	19.9	19.5	111.28	-975.7	58.3	310.5	271.6	38.85	7.992		
5,300.0	5,182.3	5,290.3	5,175.9	20.3	19.9	111.00	-999.3	59.9	321.3	281.5	39.73	8.086		
5,400.0	5,279.4	5,389.7	5,272.5	20.8	20.4	110.74	-1,023.0	61.5	332.1	291.5	40.61	8.176		
5,500.0	5,376.5	5,489.1	5,369.0	21.2	20.8	110.49	-1,046.6	63.1	342.9	301.4	41.49	8.263		
5,600.0	5,473.7	5,588.5	5,465.6	21.7	21.3	110.26	-1,070.2	64.7	353.7	311.3	42.37	8.346		
5,700.0	5,570.8	5,687.9	5,562.1	22.1	21.7	110.04	-1,093.8	66.4	364.5	321.2	43.25	8.426		
5,800.0	5,667.9	5,787.3	5,658.7	22.6	22.2	109.84	-1,117.5	68.0	375.3	331.2	44.13	8.503		
5,900.0	5,765.0	5,886.7	5,755.2	23.0	22.6	109.64	-1,141.1	69.6	386.1	341.1	45.01	8.577		
6,000.0	5,862.1	5,986.1	5,851.7	23.5	23.1	109.46	-1,164.7	71.2	396.9	351.0	45.89	8.649		
6,100.0	5,959.2	6,085.6	5,948.3	23.9	23.5	109.29	-1,188.3	72.8	407.7	361.0	46.77	8.717		
6,200.0	6,056.3	6,185.0	6,044.8	24.4	24.0	109.12	-1,212.0	74.4	418.6	370.9	47.65	8.784		
6,300.0	6,153.5	6,284.4	6,141.4	24.8	24.4	108.97	-1,235.6	76.1	429.4	380.9	48.53	8.848		
6,400.0	6,250.6	6,383.8	6,237.9	25.3	24.9	108.82	-1,259.2	77.7	440.2	390.8	49.41	8.909		
6,500.0	6,347.7	6,483.2	6,334.5	25.7	25.3	108.68	-1,282.9	79.3	451.1	400.8	50.29	8.969		
6,600.0	6,444.8	6,582.6	6,431.0	26.2	25.8	108.54	-1,306.5	80.9	461.9	410.7	51.17	9.027		
6,700.0	6,541.9	6,682.0	6,527.5	26.6	26.2	108.41	-1,330.1	82.5	472.8	420.7	52.05	9.083		
6,800.0	6,639.0	6,781.4	6,624.1	27.1	26.7	108.29	-1,353.7	84.1	483.6	430.7	52.93	9.136		
6,900.0	6,736.2	6,880.8	6,720.6	27.5	27.1	108.17	-1,377.4	85.7	494.5	440.6	53.81	9.189		
7,000.0	6,833.3	6,980.2	6,817.2	28.0	27.5	108.06	-1,401.0	87.4	505.3	450.6	54.69	9.239		
7,100.0	6,930.4	7,079.6	6,913.7	28.4	28.0	107.95	-1,424.6	89.0	516.2	460.6	55.57	9.288		
7,200.0	7,027.5	7,179.0	7,010.3	28.9	28.4	107.85	-1,448.2	90.6	527.0	470.6	56.45	9.336		
7,300.0	7,124.6	7,285.3	7,113.8	29.3	28.9	107.86	-1,472.4	92.3	537.7	480.4	57.31	9.382		
7,400.0	7,221.7	7,406.1	7,233.9	29.8	29.0	109.81	-1,481.2	94.3	545.3	487.5	57.81	9.433		
7,500.0	7,318.9	7,515.6	7,342.4	30.3	28.8	113.72	-1,467.2	96.1	550.7	493.0	57.68	9.547		
7,600.0	7,417.1	7,612.7	7,434.8	30.5	28.4	155.51	-1,437.7	97.7	557.6	500.9	56.71	9.833		
7,700.0	7,516.3	7,703.1	7,515.2	30.6	27.8	-129.20	-1,396.6	99.0	567.3	512.2	55.12	10.293		
7,800.0	7,613.3	7,788.4	7,584.3	30.4	27.1	-102.64	-1,346.7	100.2	579.1	525.9	53.12	10.902		
7,900.0	7,705.3	7,869.7	7,642.5	29.9	26.2	-91.13	-1,290.0	101.2	591.9	541.0	50.91	11.626		
8,000.0	7,789.4	7,950.0	7,691.6	29.3	25.4	-83.93	-1,226.6	102.0	604.8	556.2	48.60	12.445		
8,100.0	7,863.1	8,023.7	7,728.5	28.5	24.5	-78.90	-1,162.8	102.6	616.9	570.5	46.42	13.289		
8,200.0	7,924.2	8,100.0	7,757.7	27.5	23.6	-75.06	-1,092.4	103.1	627.4	583.1	44.32	14.156		
8,300.0	7,970.8	8,170.2	7,776.1	26.5	22.7	-72.32	-1,024.8	103.4	635.7	593.2	42.53	14.947		
8,400.0	8,001.4	8,241.5	7,786.2	25.5	21.8	-70.40	-954.2	103.6	641.2	600.3	40.98	15.649		
8,500.0	8,015.2	8,322.5	7,788.0	24.5	20.9	-69.26	-873.3	103.6	643.3	603.7	39.61	16.241		
8,600.0	8,016.0	8,422.4	7,788.0	23.5	19.8	-69.13	-773.4	103.6	640.4	602.6	37.85	16.922		
8,700.0	8,016.0	8,522.3	7,788.0	22.7	18.9	-69.02	-673.4	103.6	637.2	601.1	36.04	17.681		
8,800.0	8,016.0	8,622.3	7,788.0	21.9	18.0	-68.91	-573.5	103.6	633.9	599.5	34.45	18.401		
8,900.0	8,016.0	8,722.2	7,788.0	21.3	17.3	-68.79	-473.5	103.6	630.7	597.6	33.12	19.044		
9,000.0	8,016.0	8,822.2	7,788.0	20.8	16.7	-68.68	-373.6	103.6	627.4	595.3	32.07	19.565		
9,100.0	8,016.0	8,922.1	7,788.0	20.5	16.3	-68.56	-273.7	103.6	624.2	592.8	31.33	19.921		
9,200.0	8,016.0	9,022.0	7,788.0	20.2	16.1	-68.45	-173.7	103.6	620.9	590.0	30.93	20.078		
9,300.0	8,016.0	9,122.0	7,788.0	20.2	16.1	-68.33	-73.8	103.6	617.7	586.8	30.86	20.014		
9,400.0	8,016.0	9,221.9	7,788.0	20.3	16.2	-68.21	26.2	103.6	614.4	583.3	31.15	19.728		
9,500.0	8,016.0	9,321.9	7,788.0	20.5	16.6	-68.08	126.1	103.6	611.2	579.4	31.76	19.244		
9,600.0	8,016.0	9,421.8	7,788.0	20.9	17.1	-67.96	226.0	103.6	608.0	575.3	32.69	18.599		
9,700.0	8,016.0	9,521.7	7,788.0	21.4	17.8	-67.84	326.0	103.6	604.7	570.8	33.90	17.839		
9,800.0	8,016.0	9,621.7	7,788.0	22.1	18.6	-67.71	425.9	103.6	601.5	566.1	35.37	17.007		
9,900.0	8,016.0	9,721.6	7,788.0	22.8	19.5	-67.59	525.9	103.6	598.3	561.2	37.06	16.145		
10,000.0	8,016.0	9,821.6	7,788.0	23.7	20.6	-67.46	625.8	103.6	595.0	556.1	38.94	15.281		
10,100.0	8,016.0	9,921.5	7,788.0	24.7	21.7	-67.33	725.7	103.6	591.8	550.8	40.99	14.440		
10,200.0	8,016.0	10,021.4	7,788.0	25.7	22.9	-67.20	825.7	103.6	588.6	545.4	43.17	13.634		
10,300.0	8,016.0	10,121.4	7,788.0	26.9	24.2	-67.06	925.6	103.6	585.4	539.9	45.47	12.873		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3E-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,400.0	8,016.0	10,221.3	7,788.0	28.1	25.6	-66.93	1,025.5	103.6	582.2	534.3	47.88	12.159		
10,500.0	8,016.0	10,321.2	7,788.0	29.3	27.0	-66.80	1,125.5	103.6	579.0	528.6	50.36	11.495		
10,600.0	8,016.0	10,421.2	7,788.0	30.6	28.4	-66.66	1,225.4	103.6	575.8	522.8	52.92	10.879		
10,700.0	8,016.0	10,521.1	7,788.0	31.9	29.8	-66.52	1,325.4	103.6	572.6	517.0	55.54	10.309		
10,800.0	8,016.0	10,621.1	7,788.0	33.3	31.3	-66.38	1,425.3	103.6	569.4	511.1	58.21	9.782		
10,900.0	8,016.0	10,721.0	7,788.0	34.7	32.9	-66.24	1,525.2	103.6	566.2	505.2	60.91	9.294		
11,000.0	8,016.0	10,820.9	7,788.0	36.2	34.4	-66.10	1,625.2	103.6	563.0	499.3	63.66	8.843		
11,100.0	8,016.0	10,920.9	7,788.0	37.7	36.0	-65.95	1,725.1	103.6	559.8	493.3	66.43	8.426		
11,200.0	8,016.0	11,020.8	7,788.0	39.1	37.5	-65.80	1,825.1	103.6	556.6	487.4	69.23	8.039		
11,300.0	8,016.0	11,120.8	7,788.0	40.7	39.1	-65.66	1,925.0	103.6	553.4	481.4	72.05	7.680		
11,400.0	8,016.0	11,220.7	7,788.0	42.2	40.7	-65.51	2,024.9	103.6	550.2	475.3	74.89	7.347		
11,500.0	8,016.0	11,320.6	7,788.0	43.7	42.3	-65.36	2,124.9	103.6	547.1	469.3	77.74	7.037		
11,600.0	8,016.0	11,420.6	7,788.0	45.3	44.0	-65.20	2,224.8	103.6	543.9	463.3	80.61	6.747		
11,700.0	8,016.0	11,520.5	7,788.0	46.9	45.6	-65.05	2,324.8	103.6	540.7	457.2	83.48	6.477		
11,800.0	8,016.0	11,620.5	7,788.0	48.5	47.3	-64.89	2,424.7	103.6	537.6	451.2	86.36	6.225		
11,900.0	8,016.0	11,720.4	7,788.0	50.1	48.9	-64.73	2,524.6	103.6	534.4	445.2	89.24	5.988		
12,000.0	8,016.0	11,820.3	7,788.0	51.7	50.6	-64.54	2,624.6	103.6	530.9	438.9	91.94	5.774		
12,100.0	8,016.0	11,920.2	7,788.0	53.3	52.2	-64.26	2,724.4	103.6	525.8	431.3	94.48	5.565		
12,200.0	8,016.0	12,019.9	7,788.0	54.9	53.9	-63.88	2,824.1	103.6	519.2	422.3	96.92	5.357		
12,300.0	8,016.0	12,119.5	7,788.0	56.5	55.6	-63.39	2,923.7	103.6	511.1	411.9	99.24	5.150		
12,400.0	8,016.0	12,218.9	7,788.0	58.1	57.2	-62.80	3,023.1	103.6	501.5	400.1	101.41	4.945		
12,500.0	8,016.0	12,318.1	7,788.0	59.7	58.9	-62.11	3,122.4	103.6	490.5	386.9	103.61	4.734		
12,600.0	8,016.0	12,417.3	7,788.0	61.4	60.6	-61.41	3,221.6	103.6	479.4	373.4	105.95	4.524		
12,700.0	8,016.0	12,516.5	7,788.0	63.0	62.3	-60.67	3,320.8	103.6	468.3	360.1	108.21	4.328		
12,800.0	8,016.0	12,615.7	7,788.0	64.6	64.0	-59.90	3,420.0	103.6	457.3	346.9	110.39	4.143		
12,900.0	8,016.0	12,714.9	7,788.0	66.3	65.6	-59.08	3,519.2	103.6	446.4	333.9	112.47	3.969		
13,000.0	8,016.0	12,814.1	7,788.0	67.9	67.3	-58.23	3,618.4	103.6	435.6	321.2	114.44	3.806		
13,100.0	8,016.0	12,913.3	7,788.0	69.6	69.0	-57.34	3,717.6	103.6	424.9	308.6	116.30	3.654		
13,200.0	8,016.0	13,012.5	7,788.0	71.3	70.7	-56.40	3,816.8	103.6	414.3	296.3	118.05	3.510		
13,300.0	8,016.0	13,111.8	7,788.0	72.9	72.4	-55.55	3,916.1	103.6	404.6	284.5	120.15	3.368		
13,400.0	8,016.0	13,211.4	7,788.0	74.6	74.1	-54.78	4,015.6	103.6	396.5	274.2	122.28	3.242		
13,500.0	8,016.0	13,311.0	7,788.0	76.3	75.8	-54.13	4,115.2	103.6	389.8	265.3	124.46	3.132		
13,600.0	8,016.0	13,410.8	7,788.0	78.0	77.5	-53.60	4,215.0	103.6	384.6	257.9	126.72	3.035		
13,700.0	8,016.0	13,510.7	7,788.0	79.7	79.2	-53.20	4,314.9	103.6	380.8	251.7	129.12	2.949		
13,800.0	8,016.0	13,610.6	7,788.0	81.4	81.0	-52.94	4,414.9	103.6	378.4	246.8	131.67	2.874		
13,900.0	8,016.0	13,710.6	7,788.0	83.1	82.7	-52.84	4,514.9	103.6	377.4	243.0	134.41	2.808		
13,922.2	8,016.0	13,732.9	7,788.0	83.5	83.1	-52.84	4,537.1	103.6	377.4	242.4	135.04	2.795		
14,000.0	8,016.0	13,810.6	7,788.0	84.9	84.4	-52.88	4,614.9	103.6	377.9	240.5	137.34	2.751		
14,100.0	8,016.0	13,910.6	7,788.0	86.6	86.1	-53.00	4,714.9	103.6	378.8	238.6	140.27	2.701		
14,200.0	8,016.0	14,010.6	7,788.0	88.3	87.9	-53.11	4,814.9	103.6	379.8	236.6	143.21	2.652		
14,300.0	8,016.0	14,110.6	7,788.0	90.0	89.6	-53.22	4,914.8	103.6	380.8	234.6	146.16	2.605		
14,400.0	8,016.0	14,210.6	7,788.0	91.7	91.3	-53.33	5,014.8	103.6	381.8	232.7	149.11	2.560		
14,500.0	8,016.0	14,310.6	7,788.0	93.5	93.0	-53.44	5,114.8	103.6	382.7	230.7	152.08	2.517		
14,600.0	8,016.0	14,410.6	7,788.0	95.2	94.8	-53.54	5,214.8	103.6	383.7	228.7	155.05	2.475		
14,700.0	8,016.0	14,510.6	7,788.0	96.9	96.5	-53.65	5,314.8	103.6	384.7	226.7	158.04	2.434		
14,800.0	8,016.0	14,610.6	7,788.0	98.6	98.2	-53.76	5,414.8	103.6	385.7	224.7	161.03	2.395		
14,900.0	8,016.0	14,710.6	7,788.0	100.4	99.9	-53.87	5,514.8	103.6	386.7	222.7	164.02	2.357		
15,000.0	8,016.0	14,810.6	7,788.0	102.1	101.7	-53.97	5,614.8	103.6	387.7	220.6	167.03	2.321		
15,100.0	8,016.0	14,910.6	7,788.0	103.8	103.4	-54.08	5,714.8	103.6	388.7	218.6	170.04	2.286		
15,200.0	8,016.0	15,010.5	7,788.0	105.5	105.1	-54.18	5,814.8	103.6	389.6	216.6	173.06	2.251		
15,300.0	8,016.0	15,110.5	7,788.0	107.3	106.9	-54.29	5,914.8	103.6	390.6	214.6	176.09	2.218		
15,400.0	8,016.0	15,210.5	7,788.0	109.0	108.6	-54.39	6,014.8	103.6	391.6	212.5	179.12	2.186		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3E-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
15,500.0	8,016.0	15,310.5	7,788.0	110.7	110.3	-54.50	6,114.8	103.6	392.6	210.5	182.17	2.155		
15,600.0	8,016.0	15,410.5	7,788.0	112.5	112.1	-54.60	6,214.8	103.6	393.6	208.4	185.21	2.125		
15,700.0	8,016.0	15,510.5	7,788.0	114.2	113.8	-54.70	6,314.7	103.6	394.6	206.3	188.27	2.096		
15,800.0	8,016.0	15,610.5	7,788.0	115.9	115.6	-54.81	6,414.7	103.6	395.6	204.3	191.33	2.068		
15,900.0	8,016.0	15,710.5	7,788.0	117.7	117.3	-54.91	6,514.7	103.6	396.6	202.2	194.40	2.040		
16,000.0	8,016.0	15,810.5	7,788.0	119.4	119.0	-55.01	6,614.7	103.6	397.6	200.1	197.47	2.014		
16,100.0	8,016.0	15,910.5	7,788.0	121.1	120.8	-55.11	6,714.7	103.6	398.6	198.1	200.55	1.988		
16,200.0	8,016.0	16,010.5	7,788.0	122.9	122.5	-55.21	6,814.7	103.6	399.6	196.0	203.64	1.962		
16,300.0	8,016.0	16,110.5	7,788.0	124.6	124.2	-55.31	6,914.7	103.6	400.6	193.9	206.73	1.938		
16,400.0	8,016.0	16,210.5	7,788.0	126.3	126.0	-55.41	7,014.7	103.6	401.6	191.8	209.83	1.914		
16,500.0	8,016.0	16,310.4	7,788.0	128.1	127.7	-55.51	7,114.7	103.6	402.6	189.7	212.93	1.891		
16,600.0	8,016.0	16,410.4	7,788.0	129.8	129.5	-55.61	7,214.7	103.6	403.6	187.6	216.04	1.868		
16,700.0	8,016.0	16,510.4	7,788.0	131.6	131.2	-55.70	7,314.7	103.6	404.7	185.5	219.16	1.846		
16,800.0	8,016.0	16,610.4	7,788.0	133.3	132.9	-55.80	7,414.7	103.6	405.7	183.4	222.28	1.825		
16,900.0	8,016.0	16,710.4	7,788.0	135.0	134.7	-55.90	7,514.7	103.6	406.7	181.3	225.41	1.804 SF		
17,000.0	8,016.0	16,747.3	7,788.0	136.8	135.3	-55.93	7,551.5	103.6	412.5	185.1	227.47	1.814		
17,100.0	8,016.0	16,747.3	7,788.0	138.5	135.3	-55.93	7,551.5	103.6	440.1	211.1	228.92	1.922		
17,200.0	8,016.0	16,747.3	7,788.0	140.3	135.3	-55.93	7,551.5	103.6	486.9	256.6	230.36	2.114		
17,300.0	8,016.0	16,747.3	7,788.0	142.0	135.3	-55.93	7,551.5	103.6	548.2	316.4	231.81	2.365		
17,400.0	8,016.0	16,747.3	7,788.0	143.7	135.3	-55.93	7,551.5	103.6	619.7	386.4	233.25	2.657		
17,500.0	8,016.0	16,747.3	7,788.0	145.5	135.3	-55.93	7,551.5	103.6	698.2	463.5	234.70	2.975		
17,600.0	8,016.0	16,747.3	7,788.0	147.2	135.3	-55.93	7,551.5	103.6	781.6	545.5	236.15	3.310		
17,700.0	8,016.0	16,747.3	7,788.0	149.0	135.3	-55.93	7,551.5	103.6	868.6	631.0	237.59	3.656		
17,800.0	8,016.0	16,747.3	7,788.0	150.7	135.3	-55.93	7,551.5	103.6	958.0	719.0	239.04	4.008		
17,900.0	8,016.0	16,747.3	7,788.0	152.4	135.3	-55.93	7,551.5	103.6	1,049.4	808.9	240.49	4.364		
17,982.4	8,016.0	16,747.3	7,788.0	153.9	135.3	-55.93	7,551.5	103.6	1,125.8	884.1	241.68	4.658		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3G-29H-M168 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	1.0	1.0	0.0	0.0	90.04	0.0	11.2	11.2						
100.0	100.0	101.0	101.0	0.2	0.2	90.04	0.0	11.2	11.2	10.9	0.31	36.679			
166.3	166.3	167.3	167.3	0.3	0.3	90.04	0.0	11.2	11.2	10.7	0.54	20.864 CC			
200.0	200.0	201.0	201.0	0.3	0.3	90.04	0.0	11.2	11.2	10.5	0.65	17.117 ES			
300.0	300.0	300.9	300.9	0.5	0.5	93.25	-0.7	11.8	11.8	10.8	1.00	11.773			
400.0	400.0	400.7	400.6	0.7	0.7	-64.26	-2.6	13.5	13.4	12.0	1.36	9.888			
500.0	500.0	500.5	500.3	0.9	0.9	-62.48	-5.9	16.5	15.6	13.9	1.71	9.110			
600.0	599.9	600.2	599.9	1.0	1.1	-62.60	-10.4	20.5	18.4	16.3	2.08	8.825			
700.0	699.7	700.0	699.4	1.2	1.3	-63.89	-16.3	25.7	21.7	19.2	2.46	8.792			
800.0	799.4	799.5	798.4	1.4	1.5	-65.79	-23.4	32.1	25.6	22.7	2.87	8.896			
900.0	898.9	899.0	897.3	1.7	1.8	-67.96	-31.8	39.6	30.1	26.7	3.31	9.070			
1,000.0	998.3	998.5	995.9	1.9	2.0	-70.18	-41.4	48.2	35.2	31.4	3.79	9.276			
1,100.0	1,097.4	1,097.9	1,094.2	2.2	2.3	-72.32	-52.4	58.0	41.0	36.7	4.32	9.490			
1,200.0	1,196.3	1,197.4	1,192.4	2.5	2.6	-74.52	-64.4	68.8	47.3	42.4	4.89	9.677			
1,300.0	1,294.9	1,297.2	1,290.8	2.8	3.0	-77.81	-76.7	79.7	53.4	47.9	5.52	9.686			
1,400.0	1,393.3	1,396.9	1,389.2	3.1	3.3	-82.07	-88.9	90.7	59.4	53.2	6.20	9.581			
1,500.0	1,491.2	1,496.6	1,487.5	3.5	3.6	-87.03	-101.2	101.6	65.6	58.7	6.94	9.452			
1,600.0	1,588.9	1,596.1	1,585.7	3.9	3.9	-92.48	-113.4	112.6	72.3	64.6	7.71	9.370			
1,700.0	1,686.1	1,695.5	1,683.7	4.3	4.3	-98.18	-125.7	123.5	79.7	71.2	8.49	9.389			
1,800.0	1,783.2	1,794.9	1,781.7	4.8	4.6	-103.29	-137.9	134.4	87.9	78.7	9.23	9.523			
1,900.0	1,880.3	1,894.3	1,879.8	5.2	4.9	-107.49	-150.1	145.4	96.7	86.8	9.94	9.726			
2,000.0	1,977.5	1,993.7	1,977.8	5.6	5.3	-110.98	-162.3	156.3	105.9	95.3	10.63	9.964			
2,100.0	2,074.6	2,093.1	2,075.8	6.1	5.6	-113.91	-174.5	167.2	115.5	104.2	11.30	10.220			
2,200.0	2,171.7	2,192.5	2,173.8	6.5	5.9	-116.39	-186.8	178.1	125.3	113.3	11.96	10.480			
2,300.0	2,268.8	2,291.8	2,271.9	6.9	6.3	-118.50	-199.0	189.0	135.3	122.7	12.60	10.737			
2,400.0	2,365.9	2,391.2	2,369.9	7.4	6.6	-120.32	-211.2	200.0	145.5	132.2	13.24	10.988			
2,500.0	2,463.0	2,490.6	2,467.9	7.8	6.9	-121.90	-223.4	210.9	155.8	141.9	13.87	11.230			
2,600.0	2,560.1	2,590.0	2,565.9	8.3	7.2	-123.29	-235.6	221.8	166.1	151.6	14.50	11.461			
2,700.0	2,657.3	2,689.4	2,664.0	8.7	7.6	-124.51	-247.8	232.7	176.6	161.5	15.12	11.681			
2,800.0	2,754.4	2,788.8	2,762.0	9.2	7.9	-125.59	-260.1	243.6	187.2	171.4	15.74	11.891			
2,900.0	2,851.5	2,888.1	2,860.0	9.6	8.2	-126.56	-272.3	254.6	197.8	181.4	16.36	12.090			
3,000.0	2,948.6	2,987.5	2,958.0	10.1	8.6	-127.43	-284.5	265.5	208.4	191.5	16.98	12.279			
3,100.0	3,045.7	3,086.9	3,056.0	10.5	8.9	-128.22	-296.7	276.4	219.1	201.5	17.59	12.458			
3,200.0	3,142.8	3,186.3	3,154.1	11.0	9.3	-128.93	-308.9	287.3	229.9	211.7	18.20	12.628			
3,300.0	3,239.9	3,285.7	3,252.1	11.4	9.6	-129.58	-321.2	298.2	240.6	221.8	18.82	12.789			
3,400.0	3,337.0	3,385.1	3,350.1	11.9	9.9	-130.17	-333.4	309.2	251.4	232.0	19.43	12.941			
3,500.0	3,434.2	3,484.4	3,448.1	12.3	10.3	-130.71	-345.6	320.1	262.3	242.2	20.04	13.086			
3,600.0	3,531.3	3,583.8	3,546.2	12.8	10.6	-131.21	-357.8	331.0	273.1	252.5	20.65	13.224			
3,700.0	3,628.4	3,683.2	3,644.2	13.2	10.9	-131.68	-370.0	341.9	284.0	262.7	21.26	13.355			
3,800.0	3,725.5	3,782.6	3,742.2	13.7	11.3	-132.11	-382.2	352.8	294.9	273.0	21.87	13.480			
3,900.0	3,822.6	3,882.0	3,840.2	14.1	11.6	-131.68	-394.5	363.8	305.7	283.2	22.49	13.595			
4,000.0	3,919.8	3,981.4	3,938.3	14.5	11.9	-128.05	-406.7	374.7	315.7	292.5	23.12	13.655			
4,100.0	4,016.9	4,081.0	4,036.5	15.0	12.3	-124.56	-418.9	385.6	324.2	300.5	23.72	13.669			
4,200.0	4,114.0	4,180.6	4,134.8	15.4	12.6	-122.30	-431.2	396.6	331.5	307.2	24.29	13.646			
4,300.0	4,211.1	4,280.3	4,233.1	15.9	12.9	-123.13	-443.4	407.5	338.5	313.7	24.85	13.624			
4,400.0	4,308.3	4,379.9	4,331.3	16.3	13.3	-123.91	-455.7	418.5	345.6	320.2	25.39	13.608			
4,500.0	4,405.4	4,479.5	4,429.6	16.8	13.6	-124.67	-467.9	429.4	352.7	326.7	25.94	13.597			
4,600.0	4,502.5	4,579.2	4,527.9	17.2	13.9	-125.40	-480.2	440.4	359.8	333.4	26.48	13.591			
4,700.0	4,599.6	4,678.8	4,626.2	17.7	14.3	-126.10	-492.4	451.3	367.1	340.0	27.01	13.588			
4,800.0	4,696.7	4,778.5	4,724.5	18.1	14.6	-126.77	-504.7	462.3	374.3	346.8	27.55	13.590			
4,900.0	4,793.8	4,878.1	4,822.7	18.6	15.0	-127.42	-516.9	473.2	381.7	353.6	28.08	13.594			
5,000.0	4,891.0	4,977.7	4,921.0	19.0	15.3	-128.04	-529.2	484.2	389.0	360.4	28.60	13.602			

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3G-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	4,988.1	5,077.4	5,019.3	19.5	15.6	-128.64	-541.4	495.1	396.5	367.3	29.13	13.612		
5,200.0	5,085.2	5,177.0	5,117.6	19.9	16.0	-129.21	-553.7	506.1	403.9	374.3	29.65	13.624		
5,300.0	5,182.3	5,276.7	5,215.8	20.3	16.3	-129.77	-565.9	517.0	411.4	381.2	30.17	13.638		
5,400.0	5,279.4	5,376.3	5,314.1	20.8	16.6	-130.31	-578.2	528.0	418.9	388.3	30.68	13.654		
5,500.0	5,376.5	5,476.0	5,412.4	21.2	17.0	-130.82	-590.4	538.9	426.5	395.3	31.20	13.671		
5,600.0	5,473.7	5,575.6	5,510.7	21.7	17.3	-131.32	-602.7	549.9	434.1	402.4	31.71	13.690		
5,700.0	5,570.8	5,675.2	5,608.9	22.1	17.6	-131.80	-614.9	560.8	441.8	409.5	32.22	13.710		
5,800.0	5,667.9	5,774.9	5,707.2	22.6	18.0	-132.27	-627.2	571.8	449.4	416.7	32.73	13.731		
5,900.0	5,765.0	5,874.5	5,805.5	23.0	18.3	-132.72	-639.4	582.7	457.1	423.9	33.24	13.753		
6,000.0	5,862.1	5,974.2	5,903.8	23.5	18.7	-133.15	-651.7	593.7	464.8	431.1	33.74	13.776		
6,100.0	5,959.2	6,073.8	6,002.0	23.9	19.0	-133.57	-663.9	604.6	472.6	438.3	34.25	13.799		
6,200.0	6,056.3	6,173.4	6,100.3	24.4	19.3	-133.98	-676.2	615.6	480.4	445.6	34.75	13.823		
6,300.0	6,153.5	6,273.1	6,198.6	24.8	19.7	-134.38	-688.4	626.5	488.1	452.9	35.25	13.848		
6,400.0	6,250.6	6,372.7	6,296.9	25.3	20.0	-134.76	-700.7	637.5	496.0	460.2	35.75	13.873		
6,500.0	6,347.7	6,472.4	6,395.2	25.7	20.3	-135.13	-712.9	648.4	503.8	467.6	36.25	13.898		
6,600.0	6,444.8	6,572.0	6,493.4	26.2	20.7	-135.49	-725.2	659.3	511.7	474.9	36.75	13.923		
6,700.0	6,541.9	6,671.6	6,591.7	26.6	21.0	-135.83	-737.4	670.3	519.5	482.3	37.25	13.949		
6,800.0	6,639.0	6,771.3	6,690.0	27.1	21.3	-136.17	-749.7	681.2	527.4	489.7	37.74	13.975		
6,900.0	6,736.2	6,870.9	6,788.3	27.5	21.7	-136.50	-761.9	692.2	535.4	497.1	38.24	14.001		
7,000.0	6,833.3	6,970.6	6,886.5	28.0	22.0	-136.82	-774.2	703.1	543.3	504.6	38.73	14.027		
7,100.0	6,930.4	7,070.2	6,984.8	28.4	22.4	-137.12	-786.4	714.1	551.2	512.0	39.22	14.053		
7,200.0	7,027.5	7,169.8	7,083.1	28.9	22.7	-137.42	-798.7	725.0	559.2	519.5	39.72	14.080		
7,300.0	7,124.6	7,250.0	7,162.2	29.3	23.0	-137.66	-808.4	733.9	567.7	527.5	40.17	14.130		
7,400.0	7,221.7	7,300.0	7,211.8	29.8	23.1	-137.87	-811.1	739.4	582.8	542.2	40.54	14.375		
7,500.0	7,318.9	7,350.0	7,261.4	30.3	23.1	-138.15	-809.6	744.9	606.1	565.3	40.86	14.836		
7,600.0	7,417.1	7,400.0	7,310.8	30.5	23.1	-102.14	-803.6	750.4	630.6	589.9	40.69	15.498		
7,700.0	7,516.3	7,450.0	7,359.4	30.6	23.1	-32.19	-793.4	755.8	646.3	606.6	39.76	16.257		
7,800.0	7,613.3	7,500.0	7,406.9	30.4	23.0	-10.35	-778.9	761.1	653.2	615.1	38.09	17.147		
7,900.0	7,705.3	7,550.0	7,453.0	29.9	22.9	-2.90	-760.3	766.3	651.1	615.3	35.76	18.204		
8,000.0	7,789.4	7,585.9	7,485.1	29.3	22.8	0.89	-744.5	769.8	639.7	606.8	32.85	19.473		
8,100.0	7,863.1	7,632.9	7,525.4	28.5	22.7	3.48	-720.9	774.3	619.6	590.0	29.61	20.923		
8,200.0	7,924.2	7,679.6	7,563.5	27.5	22.5	5.68	-694.1	778.6	590.9	564.6	26.31	22.463		
8,300.0	7,970.8	7,726.2	7,599.2	26.5	22.3	7.94	-664.4	782.5	553.9	530.6	23.32	23.753		
8,400.0	8,001.4	7,772.6	7,632.1	25.5	22.1	10.59	-632.1	786.2	508.9	487.8	21.15	24.058		
8,500.0	8,015.2	7,818.5	7,662.1	24.5	21.9	14.04	-597.5	789.6	456.6	436.3	20.32	22.471		
8,600.0	8,016.0	7,865.5	7,689.9	23.5	21.7	16.67	-559.7	792.6	401.0	380.2	20.83	19.255		
8,700.0	8,016.0	7,918.0	7,717.2	22.7	21.4	18.88	-515.0	795.7	352.8	331.2	21.51	16.399		
8,800.0	8,016.0	7,976.5	7,742.6	21.9	21.1	21.34	-462.4	798.5	313.6	291.4	22.21	14.120		
8,900.0	8,016.0	8,040.6	7,764.2	21.3	20.9	23.85	-402.1	800.9	284.5	261.7	22.87	12.443		
9,000.0	8,016.0	8,109.3	7,779.8	20.8	20.6	26.02	-335.3	802.7	266.2	242.8	23.42	11.367		
9,100.0	8,016.0	8,181.1	7,787.4	20.5	20.4	27.43	-264.0	803.5	258.7	234.9	23.82	10.863		
9,124.4	8,016.0	8,200.0	7,788.0	20.4	20.4	27.62	-245.1	803.6	258.5	234.6	23.89	10.820		
9,200.0	8,016.0	8,271.3	7,788.0	20.2	20.2	28.12	-173.7	803.6	259.7	235.5	24.15	10.754		
9,300.0	8,016.0	8,371.3	7,788.0	20.2	20.2	28.79	-73.8	803.6	261.3	236.8	24.57	10.634		
9,400.0	8,016.0	8,471.2	7,788.0	20.3	20.3	29.46	26.2	803.6	263.0	237.9	25.11	10.475		
9,500.0	8,016.0	8,571.1	7,788.0	20.5	20.6	30.11	126.1	803.6	264.8	239.0	25.75	10.282		
9,600.0	8,016.0	8,671.1	7,788.0	20.9	21.0	30.76	226.0	803.6	266.5	240.0	26.51	10.054		
9,700.0	8,016.0	8,771.0	7,788.0	21.4	21.5	31.40	326.0	803.6	268.3	241.0	27.39	9.798		
9,800.0	8,016.0	8,871.0	7,788.0	22.1	22.2	32.03	425.9	803.6	270.2	241.8	28.39	9.518		
9,900.0	8,016.0	8,970.9	7,788.0	22.8	23.0	32.66	525.9	803.6	272.0	242.5	29.51	9.220		
10,000.0	8,016.0	9,070.8	7,788.0	23.7	23.9	33.27	625.8	803.6	273.9	243.2	30.75	8.910		
10,100.0	8,016.0	9,170.8	7,788.0	24.7	24.9	33.88	725.7	803.6	275.9	243.8	32.10	8.595		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3G-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,200.0	8,016.0	9,270.7	7,788.0	25.7	25.9	34.47	825.7	803.6	277.8	244.3	33.56	8.278		
10,300.0	8,016.0	9,370.7	7,788.0	26.9	27.1	35.06	925.6	803.6	279.8	244.7	35.14	7.964		
10,400.0	8,016.0	9,470.6	7,788.0	28.1	28.3	35.64	1,025.5	803.6	281.9	245.0	36.81	7.656		
10,500.0	8,016.0	9,570.5	7,788.0	29.3	29.5	36.22	1,125.5	803.6	283.9	245.3	38.58	7.358		
10,600.0	8,016.0	9,670.5	7,788.0	30.6	30.8	36.78	1,225.4	803.6	286.0	245.5	40.45	7.070		
10,700.0	8,016.0	9,770.4	7,788.0	31.9	32.2	37.34	1,325.4	803.6	288.1	245.7	42.40	6.794		
10,800.0	8,016.0	9,870.4	7,788.0	33.3	33.6	37.88	1,425.3	803.6	290.2	245.8	44.43	6.531		
10,900.0	8,016.0	9,970.3	7,788.0	34.7	35.0	38.42	1,525.2	803.6	292.4	245.8	46.54	6.281		
11,000.0	8,016.0	10,070.2	7,788.0	36.2	36.4	38.95	1,625.2	803.6	294.5	245.8	48.73	6.045		
11,100.0	8,016.0	10,170.2	7,788.0	37.7	37.9	39.48	1,725.1	803.6	296.8	245.8	50.98	5.821		
11,200.0	8,016.0	10,270.1	7,788.0	39.1	39.4	39.99	1,825.1	803.6	299.0	245.7	53.30	5.609		
11,300.0	8,016.0	10,370.0	7,788.0	40.7	40.9	40.50	1,925.0	803.6	301.2	245.6	55.68	5.410		
11,400.0	8,016.0	10,470.0	7,788.0	42.2	42.4	41.00	2,024.9	803.6	303.5	245.4	58.12	5.222		
11,500.0	8,016.0	10,569.9	7,788.0	43.7	44.0	41.50	2,124.9	803.6	305.8	245.2	60.61	5.045		
11,600.0	8,016.0	10,669.9	7,788.0	45.3	45.6	41.98	2,224.8	803.6	308.1	245.0	63.16	4.879		
11,700.0	8,016.0	10,769.8	7,788.0	46.9	47.1	42.46	2,324.8	803.6	310.5	244.7	65.76	4.722		
11,800.0	8,016.0	10,869.7	7,788.0	48.5	48.7	42.93	2,424.7	803.6	312.9	244.5	68.40	4.574		
11,900.0	8,016.0	10,969.7	7,788.0	50.1	50.3	43.40	2,524.6	803.6	315.3	244.2	71.08	4.435		
12,000.0	8,016.0	11,069.6	7,788.0	51.7	51.9	43.90	2,624.6	803.6	318.0	244.3	73.66	4.316		
12,100.0	8,016.0	11,169.4	7,788.0	53.3	53.6	44.58	2,724.4	803.6	321.9	245.5	76.39	4.213		
12,200.0	8,016.0	11,269.2	7,788.0	54.9	55.2	45.46	2,824.1	803.6	327.0	247.7	79.34	4.122		
12,300.0	8,016.0	11,368.8	7,788.0	56.5	56.8	46.50	2,923.7	803.6	333.6	251.1	82.52	4.043		
12,400.0	8,016.0	11,468.2	7,788.0	58.1	58.5	47.69	3,023.1	803.6	341.5	255.6	85.88	3.976		
12,500.0	8,016.0	11,567.4	7,788.0	59.7	60.1	49.02	3,122.4	803.6	350.8	261.2	89.61	3.914		
12,600.0	8,016.0	11,666.6	7,788.0	61.4	61.7	50.33	3,221.6	803.6	360.4	266.8	93.63	3.849		
12,700.0	8,016.0	11,765.8	7,788.0	63.0	63.4	51.57	3,320.8	803.6	370.3	272.6	97.64	3.792		
12,800.0	8,016.0	11,865.0	7,788.0	64.6	65.0	52.75	3,420.0	803.6	380.2	278.6	101.63	3.741		
12,900.0	8,016.0	11,964.2	7,788.0	66.3	66.7	53.87	3,519.2	803.6	390.4	284.8	105.62	3.696		
13,000.0	8,016.0	12,063.4	7,788.0	67.9	68.3	54.93	3,618.4	803.6	400.7	291.1	109.59	3.656		
13,100.0	8,016.0	12,162.6	7,788.0	69.6	70.0	55.94	3,717.6	803.6	411.1	297.6	113.54	3.621		
13,200.0	8,016.0	12,261.8	7,788.0	71.3	71.7	56.90	3,816.8	803.6	421.6	304.1	117.51	3.588		
13,300.0	8,016.0	12,361.1	7,788.0	72.9	73.4	57.79	3,916.1	803.6	431.5	309.6	121.93	3.539		
13,400.0	8,016.0	12,460.6	7,788.0	74.6	75.0	58.53	4,015.6	803.6	439.9	313.8	126.17	3.487		
13,500.0	8,016.0	12,560.3	7,788.0	76.3	76.7	59.11	4,115.2	803.6	446.9	316.7	130.24	3.432		
13,600.0	8,016.0	12,660.1	7,788.0	78.0	78.4	59.56	4,215.0	803.6	452.5	318.3	134.16	3.373		
13,700.0	8,016.0	12,760.0	7,788.0	79.7	80.1	59.88	4,314.9	803.6	456.6	318.7	137.91	3.311		
13,800.0	8,016.0	12,859.9	7,788.0	81.4	81.8	60.08	4,414.9	803.6	459.1	317.6	141.49	3.245		
13,900.0	8,016.0	12,959.9	7,788.0	83.1	83.5	60.16	4,514.9	803.6	460.2	315.3	144.89	3.176		
14,000.0	8,016.0	13,059.9	7,788.0	84.9	85.2	60.12	4,614.9	803.6	459.7	311.7	148.08	3.105		
14,100.0	8,016.0	13,159.9	7,788.0	86.6	86.9	60.05	4,714.9	803.6	458.7	307.7	150.97	3.038		
14,200.0	8,016.0	13,259.9	7,788.0	88.3	88.6	59.97	4,814.9	803.6	457.6	303.8	153.85	2.975		
14,300.0	8,016.0	13,359.9	7,788.0	90.0	90.3	59.89	4,914.8	803.6	456.6	299.9	156.72	2.913		
14,400.0	8,016.0	13,459.9	7,788.0	91.7	92.0	59.82	5,014.8	803.6	455.5	295.9	159.60	2.854		
14,500.0	8,016.0	13,559.9	7,788.0	93.5	93.7	59.74	5,114.8	803.6	454.5	292.0	162.47	2.797		
14,600.0	8,016.0	13,659.9	7,788.0	95.2	95.5	59.66	5,214.8	803.6	453.4	288.1	165.33	2.742		
14,700.0	8,016.0	13,759.9	7,788.0	96.9	97.2	59.58	5,314.8	803.6	452.4	284.2	168.20	2.689		
14,800.0	8,016.0	13,859.9	7,788.0	98.6	98.9	59.51	5,414.8	803.6	451.3	280.2	171.05	2.638		
14,900.0	8,016.0	13,959.9	7,788.0	100.4	100.6	59.43	5,514.8	803.6	450.2	276.3	173.91	2.589		
15,000.0	8,016.0	14,059.8	7,788.0	102.1	102.3	59.35	5,614.8	803.6	449.2	272.4	176.76	2.541		
15,100.0	8,016.0	14,159.8	7,788.0	103.8	104.0	59.27	5,714.8	803.6	448.1	268.5	179.60	2.495		
15,200.0	8,016.0	14,259.8	7,788.0	105.5	105.8	59.19	5,814.8	803.6	447.1	264.7	182.44	2.451		
15,300.0	8,016.0	14,359.8	7,788.0	107.3	107.5	59.11	5,914.8	803.6	446.0	260.8	185.28	2.407		

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 Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - Waste Connections 3G-29H-M168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
15,400.0	8,016.0	14,459.8	7,788.0	109.0	109.2	59.03	6,014.8	803.6	445.0	256.9	188.11	2.366		
15,500.0	8,016.0	14,559.8	7,788.0	110.7	110.9	58.95	6,114.8	803.6	444.0	253.0	190.94	2.325		
15,600.0	8,016.0	14,659.8	7,788.0	112.5	112.7	58.86	6,214.8	803.6	442.9	249.1	193.76	2.286		
15,700.0	8,016.0	14,759.8	7,788.0	114.2	114.4	58.78	6,314.7	803.6	441.9	245.3	196.58	2.248		
15,800.0	8,016.0	14,859.8	7,788.0	115.9	116.1	58.70	6,414.7	803.6	440.8	241.4	199.39	2.211		
15,900.0	8,016.0	14,959.8	7,788.0	117.7	117.8	58.62	6,514.7	803.6	439.8	237.6	202.20	2.175		
16,000.0	8,016.0	15,059.8	7,788.0	119.4	119.6	58.53	6,614.7	803.6	438.7	233.7	205.00	2.140		
16,100.0	8,016.0	15,159.8	7,788.0	121.1	121.3	58.45	6,714.7	803.6	437.7	229.9	207.79	2.106		
16,200.0	8,016.0	15,259.8	7,788.0	122.9	123.0	58.37	6,814.7	803.6	436.6	226.1	210.58	2.074		
16,300.0	8,016.0	15,359.7	7,788.0	124.6	124.8	58.28	6,914.7	803.6	435.6	222.2	213.36	2.042		
16,400.0	8,016.0	15,459.7	7,788.0	126.3	126.5	58.20	7,014.7	803.6	434.6	218.4	216.14	2.011		
16,500.0	8,016.0	15,559.7	7,788.0	128.1	128.2	58.11	7,114.7	803.6	433.5	214.6	218.91	1.980		
16,600.0	8,016.0	15,659.7	7,788.0	129.8	130.0	58.03	7,214.7	803.6	432.5	210.8	221.68	1.951		
16,700.0	8,016.0	15,759.7	7,788.0	131.6	131.7	57.94	7,314.7	803.6	431.5	207.0	224.44	1.922		
16,800.0	8,016.0	15,859.7	7,788.0	133.3	133.4	57.86	7,414.7	803.6	430.4	203.2	227.19	1.895		
16,900.0	8,016.0	15,959.7	7,788.0	135.0	135.2	57.77	7,514.7	803.6	429.4	199.5	229.94	1.867		
17,000.0	8,016.0	16,059.7	7,788.0	136.8	136.9	57.68	7,614.6	803.6	428.4	195.7	232.68	1.841		
17,100.0	8,016.0	16,156.8	7,788.0	138.5	138.6	57.60	7,711.8	803.6	427.3	192.0	235.38	1.816		
17,101.5	8,016.0	16,156.8	7,788.0	138.5	138.6	57.60	7,711.8	803.6	427.3	191.9	235.40	1.815 SF		
17,200.0	8,016.0	16,156.8	7,788.0	140.3	138.6	57.60	7,711.8	803.6	438.5	201.7	236.85	1.852		
17,300.0	8,016.0	16,156.8	7,788.0	142.0	138.6	57.60	7,711.8	803.6	471.2	232.8	238.32	1.977		
17,400.0	8,016.0	16,156.8	7,788.0	143.7	138.6	57.60	7,711.8	803.6	521.2	281.4	239.79	2.174		
17,500.0	8,016.0	16,156.8	7,788.0	145.5	138.6	57.60	7,711.8	803.6	584.3	343.0	241.27	2.422		
17,600.0	8,016.0	16,156.8	7,788.0	147.2	138.6	57.60	7,711.8	803.6	656.6	413.8	242.74	2.705		
17,700.0	8,016.0	16,156.8	7,788.0	149.0	138.6	57.60	7,711.8	803.6	735.4	491.1	244.21	3.011		
17,800.0	8,016.0	16,156.8	7,788.0	150.7	138.6	57.60	7,711.8	803.6	818.8	573.1	245.69	3.333		
17,900.0	8,016.0	16,156.8	7,788.0	152.4	138.6	57.60	7,711.8	803.6	905.6	658.5	247.16	3.664		
17,982.4	8,016.0	16,156.8	7,788.0	153.9	138.6	57.60	7,711.8	803.6	979.0	730.6	248.38	3.942		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - WILLIAM H PELTIER 2 (EXISTING) - ENCANA WELL - S													Offset Site Error:	0.0 ft
Survey Program: 100-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		
16,600.0	8,016.0	7,840.0	7,839.3	129.8	13.7	-6.12	8,580.5	432.1	1,380.2	1,341.5	38.70	35.662		
16,700.0	8,016.0	7,840.0	7,839.3	131.6	13.7	-6.12	8,580.5	432.1	1,281.3	1,242.3	38.97	32.881		
16,800.0	8,016.0	7,840.0	7,839.3	133.3	13.7	-6.12	8,580.5	432.1	1,182.6	1,143.4	39.24	30.142		
16,900.0	8,016.0	7,840.0	7,839.3	135.0	13.7	-6.12	8,580.5	432.1	1,084.2	1,044.7	39.50	27.446		
17,000.0	8,016.0	7,840.0	7,839.3	136.8	13.7	-6.12	8,580.5	432.1	986.1	946.3	39.77	24.795		
17,100.0	8,016.0	7,840.0	7,839.3	138.5	13.7	-6.12	8,580.5	432.1	888.4	848.4	40.04	22.189		
17,200.0	8,016.0	7,840.0	7,839.3	140.3	13.7	-6.12	8,580.5	432.1	791.3	751.0	40.30	19.632		
17,300.0	8,016.0	7,840.0	7,839.3	142.0	13.7	-6.12	8,580.5	432.1	695.0	654.4	40.57	17.129		
17,400.0	8,016.0	7,840.0	7,839.3	143.7	13.7	-6.12	8,580.5	432.1	599.9	559.0	40.84	14.689		
17,500.0	8,016.0	7,840.0	7,839.3	145.5	13.7	-6.12	8,580.5	432.1	506.7	465.6	41.11	12.326		
17,600.0	8,016.0	7,840.0	7,839.3	147.2	13.7	-6.12	8,580.5	432.1	416.7	375.3	41.37	10.070		
17,700.0	8,016.0	7,840.0	7,839.3	149.0	13.7	-6.12	8,580.5	432.1	332.4	290.7	41.64	7.982		
17,800.0	8,016.0	7,840.0	7,839.3	150.7	13.7	-6.12	8,580.5	432.1	259.5	217.6	41.91	6.192		
17,900.0	8,016.0	7,840.0	7,839.3	152.4	13.7	-6.12	8,580.5	432.1	210.3	168.1	42.18	4.986		
17,965.6	8,016.0	7,840.0	7,839.3	153.6	13.7	-6.12	8,580.5	432.1	199.8	157.4	42.35	4.717	CC, ES, SF	
17,982.4	8,016.0	7,840.0	7,839.3	153.9	13.7	-6.12	8,580.5	432.1	200.5	158.1	42.40	4.729		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - WILLIAM PELTIER 1A-20H (EXISTING) - ENCANA WELL													Offset Site Error:	0.0 ft
Survey Program: 911-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		
15,700.0	8,016.0	11,160.1	7,673.3	114.2	83.8	-35.46	7,557.0	181.0	1,317.6	1,226.8	90.80	14.510		
15,800.0	8,016.0	11,144.5	7,673.3	115.9	83.5	-33.84	7,560.0	196.3	1,223.9	1,134.8	89.04	13.745		
15,900.0	8,016.0	11,128.1	7,673.3	117.7	83.1	-32.08	7,563.3	212.4	1,131.0	1,044.0	86.91	13.013		
16,000.0	8,016.0	11,110.9	7,673.4	119.4	82.6	-30.15	7,566.8	229.2	1,039.0	954.6	84.37	12.315		
16,100.0	8,016.0	11,092.0	7,673.6	121.1	82.2	-27.95	7,570.8	247.7	948.3	867.0	81.22	11.676		
16,200.0	8,016.0	11,069.7	7,673.9	122.9	81.6	-25.24	7,575.7	269.5	859.0	782.1	76.97	11.161		
16,300.0	8,016.0	11,046.2	7,674.4	124.6	81.1	-22.24	7,580.8	292.5	771.8	699.7	72.06	10.711		
16,400.0	8,016.0	11,019.3	7,675.1	126.3	80.4	-18.66	7,586.6	318.7	687.1	621.1	65.99	10.413		
16,500.0	8,016.0	10,992.3	7,676.0	128.1	79.8	-14.89	7,592.4	345.0	606.2	546.5	59.69	10.154		
16,600.0	8,016.0	10,966.6	7,676.9	129.8	79.2	-11.16	7,597.7	370.1	530.6	476.7	53.86	9.851		
16,700.0	8,016.0	10,947.0	7,677.4	131.6	78.7	-8.21	7,601.5	389.3	463.3	413.5	49.89	9.287		
16,800.0	8,016.0	10,927.5	7,677.8	133.3	78.2	-5.24	7,605.4	408.4	408.7	362.0	46.70	8.752		
16,900.0	8,016.0	10,908.2	7,678.2	135.0	77.8	-2.24	7,609.1	427.4	372.3	327.5	44.70	8.327		
16,998.2	8,016.0	10,889.3	7,678.4	136.7	77.3	0.71	7,612.8	446.0	359.6	315.3	44.30	8.116 CC		
17,000.0	8,016.0	10,888.9	7,678.4	136.8	77.3	0.76	7,612.9	446.3	359.6	315.3	44.31	8.115 ES, SF		
17,100.0	8,016.0	10,868.3	7,678.7	138.5	76.8	3.97	7,616.9	466.5	373.2	327.3	45.82	8.143		
17,200.0	8,016.0	10,842.5	7,679.1	140.3	76.2	7.96	7,621.9	491.8	410.1	360.0	50.15	8.177		
17,300.0	8,016.0	10,817.8	7,680.0	142.0	75.6	11.74	7,626.7	516.1	464.9	408.7	56.18	8.275		
17,400.0	8,016.0	10,795.0	7,681.0	143.7	75.0	15.14	7,631.1	538.4	532.0	469.3	62.73	8.481		
17,500.0	8,016.0	10,773.2	7,682.1	145.5	74.5	18.34	7,635.2	559.8	607.5	537.9	69.57	8.733		
17,600.0	8,016.0	10,752.4	7,683.4	147.2	74.0	21.31	7,639.0	580.2	688.7	612.3	76.34	9.020		
17,700.0	8,016.0	10,732.3	7,684.8	149.0	73.5	24.10	7,642.7	599.9	773.7	690.7	83.03	9.319		
17,800.0	8,016.0	10,716.0	7,686.0	150.7	73.1	26.29	7,645.6	615.8	861.6	773.0	88.57	9.728		
17,900.0	8,016.0	10,700.0	7,687.0	152.4	72.8	28.38	7,648.5	631.6	951.5	857.5	94.00	10.123		
17,982.4	8,016.0	10,684.0	7,687.9	153.9	72.4	30.39	7,651.3	647.3	1,026.8	927.6	99.18	10.353		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		S29-T1N-R68W (Pratt/Waste Connections) - WILLIAM PELTIER 2-0-20 (EXISTING) - ENCANA WELL										Offset Site Error:		0.0 ft			
Survey Program:		0-MWD												Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)		(ft)							
17,300.0	8,016.0	8,260.3	7,956.0	142.0	36.1	-90.00	8,994.0	-397.6	1,369.5	1,193.0	176.54	7.757					
17,400.0	8,016.0	8,260.3	7,956.0	143.7	36.1	-90.00	8,994.0	-397.6	1,293.0	1,114.7	178.28	7.252					
17,500.0	8,016.0	8,260.3	7,956.0	145.5	36.1	-90.00	8,994.0	-397.6	1,219.8	1,039.8	180.03	6.776					
17,600.0	8,016.0	8,260.3	7,956.0	147.2	36.1	-90.00	8,994.0	-397.6	1,150.7	968.9	181.77	6.331					
17,700.0	8,016.0	8,260.3	7,956.0	149.0	36.1	-90.00	8,994.0	-397.6	1,086.4	902.9	183.51	5.920					
17,800.0	8,016.0	8,260.3	7,956.0	150.7	36.1	-90.00	8,994.0	-397.6	1,027.9	842.6	185.26	5.548					
17,900.0	8,016.0	8,260.3	7,956.0	152.4	36.1	-90.00	8,994.0	-397.6	976.1	789.1	187.00	5.220					
17,982.4	8,016.0	8,260.3	7,956.0	153.9	36.1	-90.00	8,994.0	-397.6	939.2	750.8	188.44	4.984	CC, ES, SF				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - WILLIAM PELTIER 22-20 (EXISTING) - ENCANA WELL -													Offset Site Error:	0.0 ft
Survey Program: 0-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)				
15,300.0	8,016.0	8,155.7	7,955.0	107.3	31.2	90.00	7,227.3	585.2	1,322.8	1,201.6	121.23	10.911		
15,400.0	8,016.0	8,155.7	7,955.0	109.0	31.2	90.00	7,227.3	585.2	1,223.5	1,100.5	122.97	9.950		
15,500.0	8,016.0	8,155.7	7,955.0	110.7	31.2	90.00	7,227.3	585.2	1,124.3	999.6	124.70	9.016		
15,600.0	8,016.0	8,155.7	7,955.0	112.5	31.2	90.00	7,227.3	585.2	1,025.3	898.8	126.44	8.109		
15,700.0	8,016.0	8,155.7	7,955.0	114.2	31.2	90.00	7,227.3	585.2	926.4	798.3	128.17	7.228		
15,800.0	8,016.0	8,155.7	7,955.0	115.9	31.2	90.00	7,227.3	585.2	827.9	698.0	129.91	6.373		
15,900.0	8,016.0	8,155.7	7,955.0	117.7	31.2	90.00	7,227.3	585.2	729.7	598.1	131.65	5.543		
16,000.0	8,016.0	8,155.7	7,955.0	119.4	31.2	90.00	7,227.3	585.2	632.1	498.7	133.38	4.739		
16,100.0	8,016.0	8,155.7	7,955.0	121.1	31.2	90.00	7,227.3	585.2	535.4	400.3	135.12	3.963		
16,200.0	8,016.0	8,155.7	7,955.0	122.9	31.2	90.00	7,227.3	585.2	440.2	303.4	136.86	3.217		
16,300.0	8,016.0	8,155.7	7,955.0	124.6	31.2	90.00	7,227.3	585.2	347.7	209.1	138.60	2.509		
16,400.0	8,016.0	8,155.7	7,955.0	126.3	31.2	90.00	7,227.3	585.2	260.8	120.5	140.34	1.858		
16,500.0	8,016.0	8,155.7	7,955.0	128.1	31.2	90.00	7,227.3	585.2	187.4	45.3	142.08	1.319	Level 3	
16,600.0	8,016.0	8,155.7	7,955.0	129.8	31.2	90.00	7,227.3	585.2	149.1	5.3	143.82	1.037	Level 2	
16,614.5	8,016.0	8,155.7	7,955.0	130.1	31.2	90.00	7,227.3	585.2	148.4	4.3	144.07	1.030	Level 2, CC, ES, SF	
16,700.0	8,016.0	8,155.7	7,955.0	131.6	31.2	90.00	7,227.3	585.2	171.3	25.7	145.56	1.177	Level 2	
16,800.0	8,016.0	8,155.7	7,955.0	133.3	31.2	90.00	7,227.3	585.2	237.6	90.3	147.30	1.613		
16,900.0	8,016.0	8,155.7	7,955.0	135.0	31.2	90.00	7,227.3	585.2	321.8	172.7	149.04	2.159		
17,000.0	8,016.0	8,155.7	7,955.0	136.8	31.2	90.00	7,227.3	585.2	413.1	262.3	150.78	2.740		
17,100.0	8,016.0	8,155.7	7,955.0	138.5	31.2	90.00	7,227.3	585.2	507.7	355.2	152.52	3.329		
17,200.0	8,016.0	8,155.7	7,955.0	140.3	31.2	90.00	7,227.3	585.2	604.0	449.8	154.26	3.916		
17,300.0	8,016.0	8,155.7	7,955.0	142.0	31.2	90.00	7,227.3	585.2	701.4	545.4	156.01	4.496		
17,400.0	8,016.0	8,155.7	7,955.0	143.7	31.2	90.00	7,227.3	585.2	799.4	641.7	157.75	5.068		
17,500.0	8,016.0	8,155.7	7,955.0	145.5	31.2	90.00	7,227.3	585.2	897.9	738.4	159.49	5.630		
17,600.0	8,016.0	8,155.7	7,955.0	147.2	31.2	90.00	7,227.3	585.2	996.6	835.4	161.23	6.181		
17,700.0	8,016.0	8,155.7	7,955.0	149.0	31.2	90.00	7,227.3	585.2	1,095.6	932.6	162.98	6.723		
17,800.0	8,016.0	8,155.7	7,955.0	150.7	31.2	90.00	7,227.3	585.2	1,194.8	1,030.1	164.72	7.253		
17,900.0	8,016.0	8,155.7	7,955.0	152.4	31.2	90.00	7,227.3	585.2	1,294.1	1,127.6	166.46	7.774		
17,982.4	8,016.0	8,155.7	7,955.0	153.9	31.2	90.00	7,227.3	585.2	1,375.9	1,208.0	167.90	8.195		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - WILLIAM PELTIER 2-4-20 (EXISTING) - ENCANA WELL													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
14,600.0	8,016.0	8,054.0	7,955.0	95.2	23.8	-90.00	6,455.0	-173.6	1,371.6	1,257.6	114.08	12.024		
14,700.0	8,016.0	8,054.0	7,955.0	96.9	23.8	-90.00	6,455.0	-173.6	1,282.5	1,166.7	115.81	11.074		
14,800.0	8,016.0	8,054.0	7,955.0	98.6	23.8	-90.00	6,455.0	-173.6	1,195.1	1,077.5	117.54	10.168		
14,900.0	8,016.0	8,054.0	7,955.0	100.4	23.8	-90.00	6,455.0	-173.6	1,109.8	990.5	119.27	9.305		
15,000.0	8,016.0	8,054.0	7,955.0	102.1	23.8	-90.00	6,455.0	-173.6	1,027.1	906.1	121.00	8.489		
15,100.0	8,016.0	8,054.0	7,955.0	103.8	23.8	-90.00	6,455.0	-173.6	947.8	825.1	122.73	7.723		
15,200.0	8,016.0	8,054.0	7,955.0	105.5	23.8	-90.00	6,455.0	-173.6	872.8	748.4	124.46	7.013		
15,300.0	8,016.0	8,054.0	7,955.0	107.3	23.8	-90.00	6,455.0	-173.6	803.3	677.1	126.19	6.365		
15,400.0	8,016.0	8,054.0	7,955.0	109.0	23.8	-90.00	6,455.0	-173.6	740.7	612.8	127.93	5.790		
15,500.0	8,016.0	8,054.0	7,955.0	110.7	23.8	-90.00	6,455.0	-173.6	687.0	557.4	129.66	5.299		
15,600.0	8,016.0	8,054.0	7,955.0	112.5	23.8	-90.00	6,455.0	-173.6	644.5	513.1	131.40	4.905		
15,700.0	8,016.0	8,054.0	7,955.0	114.2	23.8	-90.00	6,455.0	-173.6	615.5	482.4	133.13	4.623		
15,800.0	8,016.0	8,054.0	7,955.0	115.9	23.8	-90.00	6,455.0	-173.6	601.9	467.0	134.87	4.463		
15,833.0	8,016.0	8,054.0	7,955.0	116.5	23.8	-90.00	6,455.0	-173.6	601.0	465.5	135.44	4.437	CC, ES	
15,900.0	8,016.0	8,054.0	7,955.0	117.7	23.8	-90.00	6,455.0	-173.6	604.7	468.1	136.61	4.427	SF	
16,000.0	8,016.0	8,054.0	7,955.0	119.4	23.8	-90.00	6,455.0	-173.6	623.7	485.4	138.34	4.509		
16,100.0	8,016.0	8,054.0	7,955.0	121.1	23.8	-90.00	6,455.0	-173.6	657.6	517.5	140.08	4.695		
16,200.0	8,016.0	8,054.0	7,955.0	122.9	23.8	-90.00	6,455.0	-173.6	704.2	562.4	141.82	4.965		
16,300.0	8,016.0	8,054.0	7,955.0	124.6	23.8	-90.00	6,455.0	-173.6	761.1	617.5	143.56	5.302		
16,400.0	8,016.0	8,054.0	7,955.0	126.3	23.8	-90.00	6,455.0	-173.6	826.2	681.0	145.30	5.687		
16,500.0	8,016.0	8,054.0	7,955.0	128.1	23.8	-90.00	6,455.0	-173.6	897.8	750.8	147.04	6.106		
16,600.0	8,016.0	8,054.0	7,955.0	129.8	23.8	-90.00	6,455.0	-173.6	974.4	825.6	148.78	6.550		
16,700.0	8,016.0	8,054.0	7,955.0	131.6	23.8	-90.00	6,455.0	-173.6	1,054.9	904.4	150.52	7.009		
16,800.0	8,016.0	8,054.0	7,955.0	133.3	23.8	-90.00	6,455.0	-173.6	1,138.6	986.3	152.26	7.478		
16,900.0	8,016.0	8,054.0	7,955.0	135.0	23.8	-90.00	6,455.0	-173.6	1,224.6	1,070.6	154.00	7.952		
17,000.0	8,016.0	8,054.0	7,955.0	136.8	23.8	-90.00	6,455.0	-173.6	1,312.7	1,156.9	155.74	8.429		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S29-T1N-R68W (Pratt/Waste Connections) - WILLIAM PELTIER 4-2-20 (EXISTING) - ENCANA WELL												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
16,000.0	8,016.0	8,359.5	7,955.0	119.4	42.6	90.00	7,817.4	1,100.3	1,377.2	1,239.3	137.87	9.989	
16,100.0	8,016.0	8,359.5	7,955.0	121.1	42.6	90.00	7,817.4	1,100.3	1,290.1	1,150.5	139.60	9.241	
16,200.0	8,016.0	8,359.5	7,955.0	122.9	42.6	90.00	7,817.4	1,100.3	1,205.1	1,063.8	141.34	8.526	
16,300.0	8,016.0	8,359.5	7,955.0	124.6	42.6	90.00	7,817.4	1,100.3	1,122.6	979.5	143.08	7.846	
16,400.0	8,016.0	8,359.5	7,955.0	126.3	42.6	90.00	7,817.4	1,100.3	1,043.1	898.3	144.82	7.203	
16,500.0	8,016.0	8,359.5	7,955.0	128.1	42.6	90.00	7,817.4	1,100.3	967.4	820.8	146.56	6.601	
16,600.0	8,016.0	8,359.5	7,955.0	129.8	42.6	90.00	7,817.4	1,100.3	896.5	748.2	148.30	6.045	
16,700.0	8,016.0	8,359.5	7,955.0	131.6	42.6	90.00	7,817.4	1,100.3	831.6	681.6	150.04	5.542	
16,800.0	8,016.0	8,359.5	7,955.0	133.3	42.6	90.00	7,817.4	1,100.3	774.2	622.4	151.78	5.101	
16,900.0	8,016.0	8,359.5	7,955.0	135.0	42.6	90.00	7,817.4	1,100.3	726.1	572.6	153.52	4.730	
17,000.0	8,016.0	8,359.5	7,955.0	136.8	42.6	90.00	7,817.4	1,100.3	689.3	534.0	155.26	4.439	
17,100.0	8,016.0	8,359.5	7,955.0	138.5	42.6	90.00	7,817.4	1,100.3	665.5	508.5	157.00	4.239	
17,200.0	8,016.0	8,359.5	7,955.0	140.3	42.6	90.00	7,817.4	1,100.3	656.3	497.6	158.75	4.135	
17,210.8	8,016.0	8,359.5	7,955.0	140.4	42.6	90.00	7,817.4	1,100.3	656.2	497.3	158.93	4.129 CC, ES	
17,300.0	8,016.0	8,359.5	7,955.0	142.0	42.6	90.00	7,817.4	1,100.3	662.3	501.8	160.49	4.127 SF	
17,400.0	8,016.0	8,359.5	7,955.0	143.7	42.6	90.00	7,817.4	1,100.3	683.0	520.8	162.23	4.210	
17,500.0	8,016.0	8,359.5	7,955.0	145.5	42.6	90.00	7,817.4	1,100.3	717.2	553.2	163.97	4.374	
17,600.0	8,016.0	8,359.5	7,955.0	147.2	42.6	90.00	7,817.4	1,100.3	763.0	597.3	165.72	4.604	
17,700.0	8,016.0	8,359.5	7,955.0	149.0	42.6	90.00	7,817.4	1,100.3	818.5	651.1	167.46	4.888	
17,800.0	8,016.0	8,359.5	7,955.0	150.7	42.6	90.00	7,817.4	1,100.3	882.0	712.8	169.20	5.212	
17,900.0	8,016.0	8,359.5	7,955.0	152.4	42.6	90.00	7,817.4	1,100.3	951.7	780.7	170.95	5.567	
17,982.4	8,016.0	8,359.5	7,955.0	153.9	42.6	90.00	7,817.4	1,100.3	1,013.0	840.6	172.38	5.876	

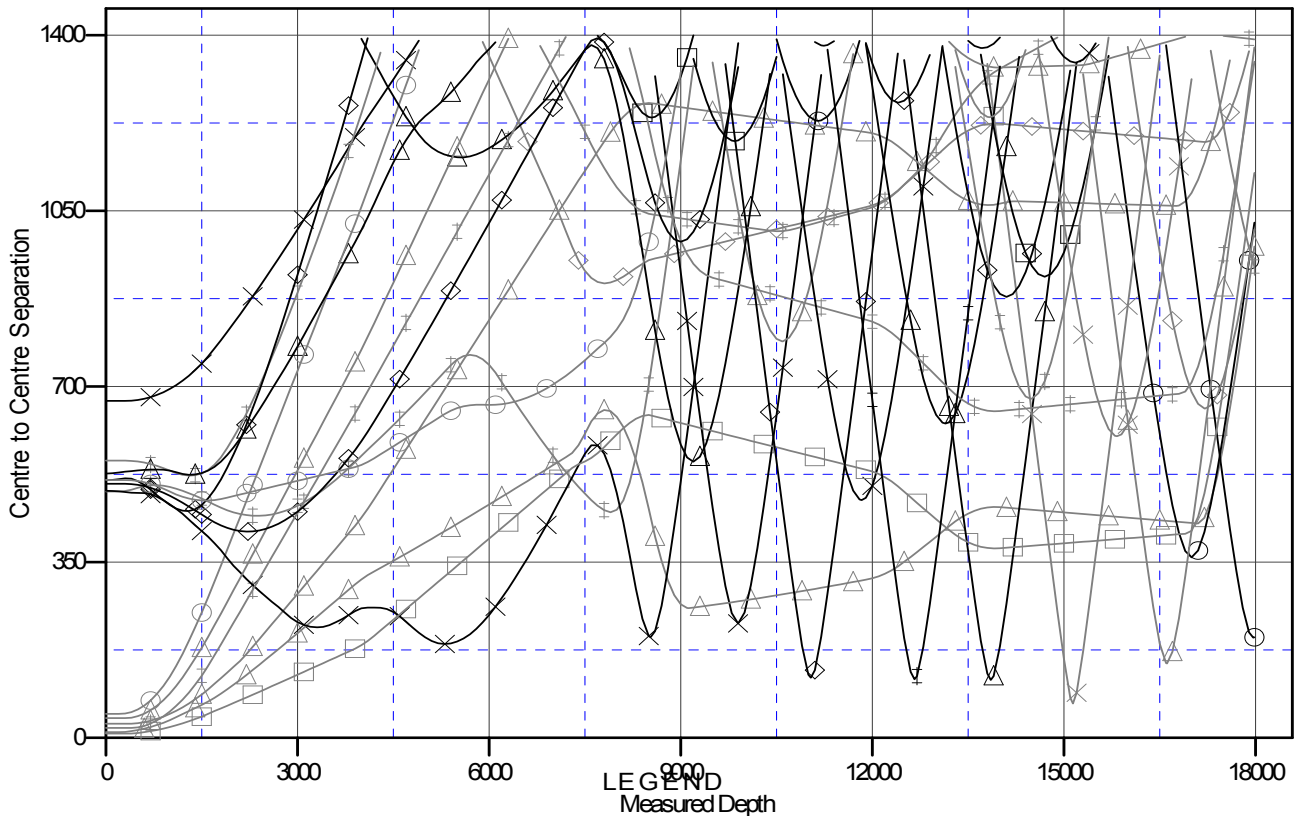
# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Waste Connections 3F-29H-M168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Reference Site:</b>	S29-T1N-R68W (Pratt/Waste Connections)	<b>MD Reference:</b>	WELL @ 5153.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Waste Connections 3F-29H-M168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5153.0ft (Original Well Elev)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: Waste Connections 3F-29H-M168  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.30°

## Ladder Plot



168, Hz, Plan #1 V0	✱ SRC PRATT 24-29PD (EXISTING), SYNERGY WELL, SURVEYS V0	◆ SRC PRATT 13-29D (EXISTING), S
I V0	▲ SRC PRATT 29PD (EXISTING), SYNERGY WELL, SURVEYS V0	✱ WILLIAM PELTIER 2-4-20 (EXISTIN
GY WELL, NOSURVEYS V0	◆ Pratt 4C-29H-P168, Hz, Plan #4 V0	✱ COSTIGAN 33-20 (EXISTING), ENC
168, Hz, Plan #1 V0	■ SRC PRATT 33-29PD (EXISTING), SYNERGY WELL, SURVEYS V0	▲ Waste Connections 3B-29H-M168, t
ENCANA WELL, ENCANA WELL V0	✱ COSTIGAN 23-20 (EXISTING), ENCANA WELL, PLAN ONLY V0	■ SRC PRATT 34-29D (EXISTING), S'
), SYNERGY WELL, PLAN ONLY V0	● WILLIAM H PELTIER 2 (EXISTING), ENCANA WELL, SURVEYS V0	▲ SRC PRATT 14-29D (EXISTING), S'
ANA WELL, SURVEYS V0	▲ PRATT 2-0-29 (EXISTING), ENCANA WELL, SURVEYS V0	◆ PRATT 21-29 (EXISTING), ENCAN
(ISTING), ENCANA WELL, SURVEYS V0	◆ COSTIGAN H UNIT 1 (EXISTING), VESSELS WELL, NOSURVEYS V0	◆ PRATT 22-29 (EXISTING), ENCAN
168, Hz, Plan #1 V0	◆ Waste Connections 3D-29H-M168, Hz, Plan #1 V0	✱ COSTIGAN 4-6-20 (EXISTING), ENC
ENCANA WELL, SURVEYS V0	✱ PRATT 4-2-29 (EXISTING), ENCANA WELL, SURVEYS V0	◆ PRATT 2 (EXISTING), SYNERGY V
ISTING), ENCANA WELL, PLAN ONLY V0	■ Waste Connections 3E-29H-M168, Hz, Plan #1 V0	▲ WILLIAM PELTIER 22-20 (EXISTIN