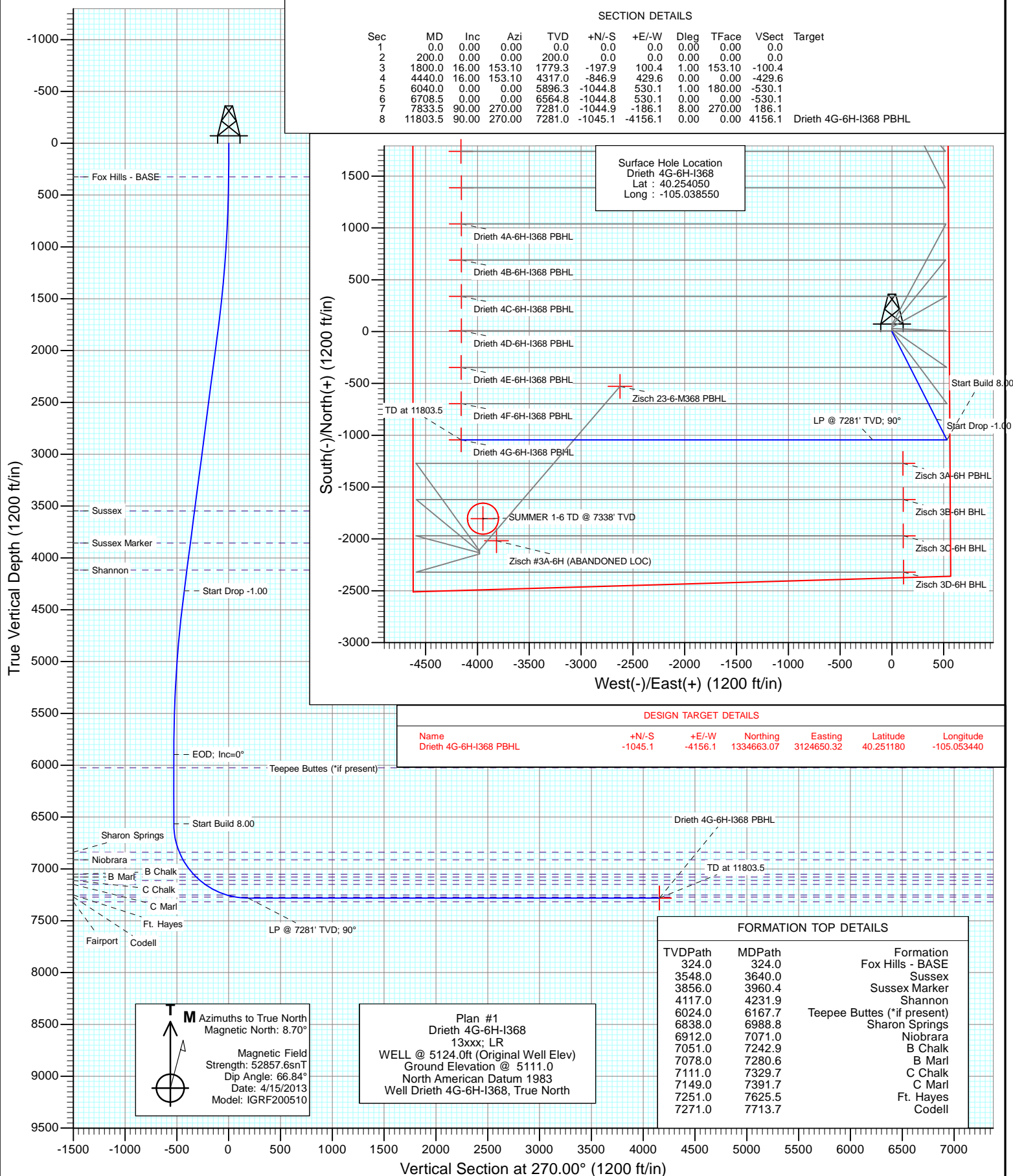




Project: DJ Wattenberg  
Site: S6-T3N-R68W (Zisch/Drieth)  
Well: Drieth 4G-6H-I368  
Wellbore: Hz  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 4G-6H-I368	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

<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		S6-T3N-R68W (Zisch/Drieth 1)			
Site Position:		Northing:	1,333,692.15 ft	Latitude:	40.248510
From:	Lat/Long	Easting:	3,124,995.76 ft	Longitude:	-105.052220
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.29 °

Well	Drieth 4G-6H-I368					
Well Position	+N/-S	0.0 ft	Northing:	1,335,729.83 ft	Latitude:	40.254050
	+E/-W	0.0 ft	Easting:	3,128,800.96 ft	Longitude:	-105.038550
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,111.0 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>
	IGRF200510	4/15/2013	8.70	66.84	52,858

<b>Design</b>	Plan #1			
<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	270.00

<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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	16.00	153.10	1,779.3	-197.9	100.4	1.00	1.00	0.00	153.10	
4,440.0	16.00	153.10	4,317.0	-846.9	429.6	0.00	0.00	0.00	0.00	
6,040.0	0.00	0.00	5,896.3	-1,044.8	530.1	1.00	-1.00	0.00	180.00	
6,708.5	0.00	0.00	6,564.8	-1,044.8	530.1	0.00	0.00	0.00	0.00	
7,833.5	90.00	270.00	7,281.0	-1,044.9	-186.1	8.00	8.00	0.00	270.00	
11,803.5	90.00	270.00	7,281.0	-1,045.1	-4,156.1	0.00	0.00	0.00	0.00	Drieth 4G-6H-I368 PE

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 4G-6H-I368	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

## 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	KOP @ 200'
300.0	1.00	153.10	300.0	-0.8	0.4	-0.4	1.00	1.00	
324.0	1.24	153.10	324.0	-1.2	0.6	-0.6	1.00	1.00	Fox Hills - BASE
400.0	2.00	153.10	400.0	-3.1	1.6	-1.6	1.00	1.00	
500.0	3.00	153.10	499.9	-7.0	3.6	-3.6	1.00	1.00	
600.0	4.00	153.10	599.7	-12.4	6.3	-6.3	1.00	1.00	
700.0	5.00	153.10	699.4	-19.4	9.9	-9.9	1.00	1.00	
800.0	6.00	153.10	798.9	-28.0	14.2	-14.2	1.00	1.00	
900.0	7.00	153.10	898.3	-38.1	19.3	-19.3	1.00	1.00	
1,000.0	8.00	153.10	997.4	-49.7	25.2	-25.2	1.00	1.00	
1,100.0	9.00	153.10	1,096.3	-62.9	31.9	-31.9	1.00	1.00	
1,200.0	10.00	153.10	1,194.9	-77.6	39.4	-39.4	1.00	1.00	
1,300.0	11.00	153.10	1,293.3	-93.9	47.6	-47.6	1.00	1.00	
1,400.0	12.00	153.10	1,391.2	-111.7	56.6	-56.6	1.00	1.00	
1,500.0	13.00	153.10	1,488.9	-131.0	66.4	-66.4	1.00	1.00	
1,600.0	14.00	153.10	1,586.1	-151.8	77.0	-77.0	1.00	1.00	
1,700.0	15.00	153.10	1,682.9	-174.1	88.3	-88.3	1.00	1.00	
1,800.0	16.00	153.10	1,779.3	-197.9	100.4	-100.4	1.00	1.00	EOB; Inc=16°
1,900.0	16.00	153.10	1,875.4	-222.5	112.9	-112.9	0.00	0.00	
2,000.0	16.00	153.10	1,971.5	-247.1	125.4	-125.4	0.00	0.00	
2,100.0	16.00	153.10	2,067.7	-271.7	137.8	-137.8	0.00	0.00	
2,200.0	16.00	153.10	2,163.8	-296.3	150.3	-150.3	0.00	0.00	
2,300.0	16.00	153.10	2,259.9	-320.8	162.8	-162.8	0.00	0.00	
2,400.0	16.00	153.10	2,356.0	-345.4	175.2	-175.2	0.00	0.00	
2,500.0	16.00	153.10	2,452.2	-370.0	187.7	-187.7	0.00	0.00	
2,600.0	16.00	153.10	2,548.3	-394.6	200.2	-200.2	0.00	0.00	
2,700.0	16.00	153.10	2,644.4	-419.2	212.7	-212.7	0.00	0.00	
2,800.0	16.00	153.10	2,740.5	-443.8	225.1	-225.1	0.00	0.00	
2,900.0	16.00	153.10	2,836.7	-468.3	237.6	-237.6	0.00	0.00	
3,000.0	16.00	153.10	2,932.8	-492.9	250.1	-250.1	0.00	0.00	
3,100.0	16.00	153.10	3,028.9	-517.5	262.5	-262.5	0.00	0.00	
3,200.0	16.00	153.10	3,125.1	-542.1	275.0	-275.0	0.00	0.00	
3,300.0	16.00	153.10	3,221.2	-566.7	287.5	-287.5	0.00	0.00	
3,400.0	16.00	153.10	3,317.3	-591.2	300.0	-300.0	0.00	0.00	
3,500.0	16.00	153.10	3,413.4	-615.8	312.4	-312.4	0.00	0.00	
3,600.0	16.00	153.10	3,509.6	-640.4	324.9	-324.9	0.00	0.00	
3,640.0	16.00	153.10	3,548.0	-650.2	329.9	-329.9	0.00	0.00	Sussex
3,700.0	16.00	153.10	3,605.7	-665.0	337.4	-337.4	0.00	0.00	
3,800.0	16.00	153.10	3,701.8	-689.6	349.8	-349.8	0.00	0.00	
3,900.0	16.00	153.10	3,797.9	-714.1	362.3	-362.3	0.00	0.00	
3,960.4	16.00	153.10	3,856.0	-729.0	369.8	-369.8	0.00	0.00	Sussex Marker
4,000.0	16.00	153.10	3,894.1	-738.7	374.8	-374.8	0.00	0.00	
4,100.0	16.00	153.10	3,990.2	-763.3	387.2	-387.2	0.00	0.00	
4,200.0	16.00	153.10	4,086.3	-787.9	399.7	-399.7	0.00	0.00	
4,231.9	16.00	153.10	4,117.0	-795.7	403.7	-403.7	0.00	0.00	Shannon
4,300.0	16.00	153.10	4,182.4	-812.5	412.2	-412.2	0.00	0.00	
4,400.0	16.00	153.10	4,278.6	-837.1	424.7	-424.7	0.00	0.00	
4,440.0	16.00	153.10	4,317.0	-846.9	429.6	-429.6	0.00	0.00	Start Drop -1.00
4,500.0	15.40	153.10	4,374.8	-861.4	437.0	-437.0	1.00	-1.00	
4,600.0	14.40	153.10	4,471.4	-884.3	448.6	-448.6	1.00	-1.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 4G-6H-I368	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

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
4,700.0	13.40	153.10	4,568.5	-905.7	459.5	-459.5	1.00	-1.00	
4,800.0	12.40	153.10	4,666.0	-925.6	469.6	-469.6	1.00	-1.00	
4,900.0	11.40	153.10	4,763.8	-944.0	478.9	-478.9	1.00	-1.00	
5,000.0	10.40	153.10	4,862.0	-960.9	487.5	-487.5	1.00	-1.00	
5,100.0	9.40	153.10	4,960.5	-976.2	495.3	-495.3	1.00	-1.00	
5,200.0	8.40	153.10	5,059.3	-990.0	502.3	-502.3	1.00	-1.00	
5,300.0	7.40	153.10	5,158.4	-1,002.3	508.5	-508.5	1.00	-1.00	
5,400.0	6.40	153.10	5,257.6	-1,013.0	513.9	-513.9	1.00	-1.00	
5,500.0	5.40	153.10	5,357.1	-1,022.1	518.6	-518.6	1.00	-1.00	
5,600.0	4.40	153.10	5,456.7	-1,029.8	522.4	-522.4	1.00	-1.00	
5,700.0	3.40	153.10	5,556.5	-1,035.8	525.5	-525.5	1.00	-1.00	
5,800.0	2.40	153.10	5,656.4	-1,040.3	527.8	-527.8	1.00	-1.00	
5,900.0	1.40	153.10	5,756.3	-1,043.3	529.3	-529.3	1.00	-1.00	
6,000.0	0.40	153.10	5,856.3	-1,044.7	530.0	-530.0	1.00	-1.00	
6,040.0	0.00	0.00	5,896.3	-1,044.8	530.1	-530.1	1.00	-1.00	EOD; Inc=0°
6,100.0	0.00	0.00	5,956.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,167.7	0.00	0.00	6,024.0	-1,044.8	530.1	-530.1	0.00	0.00	Teepee Buttes (*if present)
6,200.0	0.00	0.00	6,056.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,300.0	0.00	0.00	6,156.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,400.0	0.00	0.00	6,256.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,500.0	0.00	0.00	6,356.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,600.0	0.00	0.00	6,456.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,700.0	0.00	0.00	6,556.3	-1,044.8	530.1	-530.1	0.00	0.00	
6,708.5	0.00	0.00	6,564.8	-1,044.8	530.1	-530.1	0.00	0.00	Start Build 8.00
6,800.0	7.32	270.00	6,656.1	-1,044.8	524.2	-524.2	8.00	8.00	
6,900.0	15.32	270.00	6,754.0	-1,044.8	504.6	-504.6	8.00	8.00	
6,988.8	22.42	270.00	6,838.0	-1,044.8	475.9	-475.9	8.00	8.00	Sharon Springs
7,000.0	23.32	270.00	6,848.3	-1,044.8	471.6	-471.6	8.00	8.00	
7,071.0	29.00	270.00	6,912.0	-1,044.8	440.3	-440.3	8.00	8.00	Niobrara
7,100.0	31.32	270.00	6,937.1	-1,044.8	425.7	-425.7	8.00	8.00	
7,200.0	39.32	270.00	7,018.6	-1,044.8	367.9	-367.9	8.00	8.00	
7,242.9	42.75	270.00	7,051.0	-1,044.8	339.8	-339.8	8.00	8.00	B Chalk
7,280.6	45.77	270.00	7,078.0	-1,044.8	313.4	-313.4	8.00	8.00	B Marl
7,300.0	47.32	270.00	7,091.3	-1,044.8	299.4	-299.4	8.00	8.00	
7,329.7	49.70	270.00	7,111.0	-1,044.8	277.1	-277.1	8.00	8.00	C Chalk
7,391.7	54.66	270.00	7,149.0	-1,044.8	228.2	-228.2	8.00	8.00	C Marl
7,400.0	55.32	270.00	7,153.8	-1,044.8	221.4	-221.4	8.00	8.00	
7,500.0	63.32	270.00	7,204.7	-1,044.8	135.4	-135.4	8.00	8.00	
7,600.0	71.32	270.00	7,243.3	-1,044.9	43.3	-43.3	8.00	8.00	
7,625.5	73.36	270.00	7,251.0	-1,044.9	19.0	-19.0	8.00	8.00	Ft. Hayes
7,700.0	79.32	270.00	7,268.6	-1,044.9	-53.4	53.4	8.00	8.00	
7,713.7	80.41	270.00	7,271.0	-1,044.9	-66.9	66.9	8.00	8.00	Codell
7,800.0	87.32	270.00	7,280.2	-1,044.9	-152.6	152.6	8.00	8.00	
7,833.5	90.00	270.00	7,281.0	-1,044.9	-186.1	186.1	8.00	8.00	LP @ 7281' TVD; 90°
7,900.0	90.00	270.00	7,281.0	-1,044.9	-252.6	252.6	0.00	0.00	
8,000.0	90.00	270.00	7,281.0	-1,044.9	-352.6	352.6	0.00	0.00	
8,100.0	90.00	270.00	7,281.0	-1,044.9	-452.6	452.6	0.00	0.00	
8,200.0	90.00	270.00	7,281.0	-1,044.9	-552.6	552.6	0.00	0.00	
8,300.0	90.00	270.00	7,281.0	-1,044.9	-652.6	652.6	0.00	0.00	
8,400.0	90.00	270.00	7,281.0	-1,044.9	-752.6	752.6	0.00	0.00	
8,500.0	90.00	270.00	7,281.0	-1,044.9	-852.6	852.6	0.00	0.00	
8,600.0	90.00	270.00	7,281.0	-1,044.9	-952.6	952.6	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 4G-6H-I368	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

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
8,700.0	90.00	270.00	7,281.0	-1,044.9	-1,052.6	1,052.6	0.00	0.00	
8,800.0	90.00	270.00	7,281.0	-1,044.9	-1,152.6	1,152.6	0.00	0.00	
8,900.0	90.00	270.00	7,281.0	-1,044.9	-1,252.6	1,252.6	0.00	0.00	
9,000.0	90.00	270.00	7,281.0	-1,045.0	-1,352.6	1,352.6	0.00	0.00	
9,100.0	90.00	270.00	7,281.0	-1,045.0	-1,452.6	1,452.6	0.00	0.00	
9,200.0	90.00	270.00	7,281.0	-1,045.0	-1,552.6	1,552.6	0.00	0.00	
9,300.0	90.00	270.00	7,281.0	-1,045.0	-1,652.6	1,652.6	0.00	0.00	
9,400.0	90.00	270.00	7,281.0	-1,045.0	-1,752.6	1,752.6	0.00	0.00	
9,500.0	90.00	270.00	7,281.0	-1,045.0	-1,852.6	1,852.6	0.00	0.00	
9,600.0	90.00	270.00	7,281.0	-1,045.0	-1,952.6	1,952.6	0.00	0.00	
9,700.0	90.00	270.00	7,281.0	-1,045.0	-2,052.6	2,052.6	0.00	0.00	
9,800.0	90.00	270.00	7,281.0	-1,045.0	-2,152.6	2,152.6	0.00	0.00	
9,900.0	90.00	270.00	7,281.0	-1,045.0	-2,252.6	2,252.6	0.00	0.00	
10,000.0	90.00	270.00	7,281.0	-1,045.0	-2,352.6	2,352.6	0.00	0.00	
10,100.0	90.00	270.00	7,281.0	-1,045.0	-2,452.6	2,452.6	0.00	0.00	
10,200.0	90.00	270.00	7,281.0	-1,045.0	-2,552.6	2,552.6	0.00	0.00	
10,300.0	90.00	270.00	7,281.0	-1,045.0	-2,652.6	2,652.6	0.00	0.00	
10,400.0	90.00	270.00	7,281.0	-1,045.0	-2,752.6	2,752.6	0.00	0.00	
10,500.0	90.00	270.00	7,281.0	-1,045.1	-2,852.6	2,852.6	0.00	0.00	
10,600.0	90.00	270.00	7,281.0	-1,045.1	-2,952.6	2,952.6	0.00	0.00	
10,700.0	90.00	270.00	7,281.0	-1,045.1	-3,052.6	3,052.6	0.00	0.00	
10,800.0	90.00	270.00	7,281.0	-1,045.1	-3,152.6	3,152.6	0.00	0.00	
10,900.0	90.00	270.00	7,281.0	-1,045.1	-3,252.6	3,252.6	0.00	0.00	
11,000.0	90.00	270.00	7,281.0	-1,045.1	-3,352.6	3,352.6	0.00	0.00	
11,100.0	90.00	270.00	7,281.0	-1,045.1	-3,452.6	3,452.6	0.00	0.00	
11,200.0	90.00	270.00	7,281.0	-1,045.1	-3,552.6	3,552.6	0.00	0.00	
11,300.0	90.00	270.00	7,281.0	-1,045.1	-3,652.6	3,652.6	0.00	0.00	
11,400.0	90.00	270.00	7,281.0	-1,045.1	-3,752.6	3,752.6	0.00	0.00	
11,500.0	90.00	270.00	7,281.0	-1,045.1	-3,852.6	3,852.6	0.00	0.00	
11,600.0	90.00	270.00	7,281.0	-1,045.1	-3,952.6	3,952.6	0.00	0.00	
11,700.0	90.00	270.00	7,281.0	-1,045.1	-4,052.6	4,052.6	0.00	0.00	
11,800.0	90.00	270.00	7,281.0	-1,045.1	-4,152.6	4,152.6	0.00	0.00	
11,803.5	90.00	270.00	7,281.0	-1,045.1	-4,156.1	4,156.1	0.00	0.00	TD at 11803.5 - Drieth 4G-6H-I368 PBHL

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Drieth 4G-6H-I368 PBHL	0.00	0.00	7,281.0	-1,045.1	-4,156.1	1,334,663.07	3,124,650.32	40.251180	-105.053440
- plan hits target center									
- Point									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 4G-6H-I368	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
324.0	324.0	Fox Hills - BASE				
3,640.0	3,548.0	Sussex				
3,960.4	3,856.0	Sussex Marker				
4,231.9	4,117.0	Shannon				
6,167.7	6,024.0	Teepee Buttes (*if present)				
6,988.8	6,838.0	Sharon Springs				
7,071.0	6,912.0	Niobrara				
7,242.9	7,051.0	B Chalk				
7,280.6	7,078.0	B Marl				
7,329.7	7,111.0	C Chalk				
7,391.7	7,149.0	C Marl				
7,625.5	7,251.0	Ft. Hayes				
7,713.7	7,271.0	Codell				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
200.0	200.0	0.0	0.0	KOP @ 200'	
1,800.0	1,779.3	-197.9	100.4	EOB; Inc=16°	
4,440.0	4,317.0	-846.9	429.6	Start Drop -1.00	
6,040.0	5,896.3	-1,044.8	530.1	EOD; Inc=0°	
6,708.5	6,564.8	-1,044.8	530.1	Start Build 8.00	
7,833.5	7,281.0	-1,044.9	-186.1	LP @ 7281' TVD; 90°	
11,803.5	7,281.0	-1,045.1	-4,156.1	TD at 11803.5	

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

**DJ Wattenberg**

**S6-T3N-R68W (Zisch/Drieth 1)**

**Drieth 4G-6H-I368**

**Hz**

**Plan #1**

## **Anticollision Report**

**15 April, 2013**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1		
<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 500.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b>	4/15/2013		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	11,803.5	Plan #1 (Hz)	MWD	Geolink MWD

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S6-T3N-R68W (Zisch/Drieth 1)						
Breakneck Properties 21-6 - DD - Plan #1						Out of range
Drieth 1A-6H-A368 - Hz - Plan #1						Out of range
Drieth 1B-6H-A368 - Hz - Plan #1						Out of range
Drieth 1C-6H-A368 - Hz - Plan #1						Out of range
Drieth 1D-6H-A368 - Hz - Plan #1						Out of range
Drieth 1E-6H-A368 - Hz - Plan #1						Out of range
Drieth 4A-6H-I368 - Hz - Plan #1	200.0	199.0	62.0	61.3	95.224	CC, ES
Drieth 4A-6H-I368 - Hz - Plan #1	700.0	691.5	100.3	97.8	41.525	SF
Drieth 4B-6H-I368 - Hz - Plan #1	200.0	199.0	51.1	50.4	78.458	CC, ES
Drieth 4B-6H-I368 - Hz - Plan #1	700.0	694.5	81.2	78.8	33.617	SF
Drieth 4C-6H-I368 - Hz - Plan #1	200.0	199.0	40.2	39.5	61.702	CC, ES
Drieth 4C-6H-I368 - Hz - Plan #1	700.0	697.1	63.6	61.2	26.366	SF
Drieth 4D-6H-I368 - Hz - Plan #1	200.0	199.0	29.1	28.5	44.766	CC, ES
Drieth 4D-6H-I368 - Hz - Plan #1	600.0	598.7	42.1	40.0	20.530	SF
Drieth 4E-6H-I368 - Hz - Plan #1	200.0	199.0	21.9	21.2	33.574	CC, ES
Drieth 4E-6H-I368 - Hz - Plan #1	1,000.0	1,000.7	53.7	50.1	14.967	SF
Drieth 4F-6H-I368 - Hz - Plan #1	200.0	200.0	10.9	10.3	16.742	CC, ES
Drieth 4F-6H-I368 - Hz - Plan #1	11,803.5	11,539.2	413.2	227.7	2.228	SF
SUMMER 6-1 (EXISTING) - NO SURVEYS						
Zisch 23-6-M368 - DD - Plan #1						Out of range
Zisch 3A-6H-M368 - HZ - Plan #1	7,400.0	11,551.0	301.3	208.0	3.230	ES, SF
Zisch 3A-6H-M368 - HZ - Plan #1	7,403.9	11,551.0	301.3	208.0	3.231	CC
Zisch 3B-6H-M368 - HZ - Plan #1						Out of range
Zisch 3C-6H-M368 - HZ - Plan #1						Out of range
Zisch 3D-6H-M368 - HZ - Plan #1						Out of range



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4A-6H-I368 - 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	-2.58	61.9	-2.8	62.0									
100.0	100.0	99.0	99.0	0.2	0.2	-2.58	61.9	-2.8	62.0	61.7	0.30	205.156						
200.0	200.0	199.0	199.0	0.3	0.3	-2.58	61.9	-2.8	62.0	61.3	0.65	95.224	CC, ES					
300.0	300.0	298.1	298.1	0.5	0.5	-155.61	62.7	-2.4	63.5	62.5	1.00	63.594						
400.0	400.0	397.0	396.9	0.7	0.7	-155.39	64.9	-1.2	68.1	66.8	1.35	50.535						
500.0	499.9	495.6	495.5	0.9	0.9	-155.09	68.6	0.8	75.8	74.1	1.70	44.592						
600.0	599.7	593.8	593.5	1.1	1.1	-154.74	73.9	3.6	86.5	84.4	2.05	42.101						
700.0	699.4	691.5	690.9	1.3	1.3	-154.40	80.5	7.2	100.3	97.8	2.41	41.525	SF					
800.0	798.9	788.5	787.5	1.5	1.5	-154.08	88.5	11.5	117.0	114.3	2.78	42.100						
900.0	898.3	884.7	883.0	1.8	1.7	-153.79	97.9	16.5	136.8	133.6	3.15	43.400						
1,000.0	997.4	979.9	977.5	2.0	2.0	-153.53	108.6	22.3	159.5	156.0	3.53	45.170						
1,100.0	1,096.3	1,074.1	1,070.7	2.3	2.3	-153.29	120.6	28.7	185.2	181.2	3.92	47.247						
1,200.0	1,194.9	1,167.1	1,162.5	2.7	2.6	-153.08	133.7	35.7	213.7	209.4	4.31	49.521						
1,300.0	1,293.3	1,258.8	1,252.8	3.0	2.9	-152.88	147.9	43.3	245.0	240.3	4.72	51.916						
1,400.0	1,391.2	1,349.2	1,341.5	3.4	3.2	-152.69	163.2	51.5	279.2	274.0	5.13	54.380						
1,500.0	1,488.9	1,438.1	1,428.5	3.8	3.5	-152.51	179.4	60.2	316.0	310.5	5.56	56.873						
1,600.0	1,586.1	1,525.5	1,513.7	4.2	3.9	-152.33	196.4	69.3	355.6	349.6	5.99	59.368						
1,700.0	1,682.9	1,611.2	1,597.0	4.7	4.3	-152.15	214.3	78.9	397.7	391.3	6.43	61.847						
1,800.0	1,779.3	1,695.3	1,678.3	5.2	4.7	-151.97	232.9	88.9	442.4	435.6	6.88	64.289						
1,900.0	1,875.4	1,783.7	1,763.8	5.7	5.1	-152.02	253.1	99.7	488.5	481.1	7.36	66.338						

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4B-6H-I368 - 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	-3.13	51.0	-2.8	51.1					
100.0	100.0	99.0	99.0	0.2	0.2	-3.13	51.0	-2.8	51.1	50.8	0.30	169.033		
200.0	200.0	199.0	199.0	0.3	0.3	-3.13	51.0	-2.8	51.1	50.4	0.65	78.458 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	-156.62	51.0	-2.8	51.9	50.9	1.00	51.869		
400.0	400.0	398.3	398.3	0.7	0.7	-157.09	51.7	-2.3	54.9	53.6	1.35	40.709		
500.0	499.9	497.4	497.3	0.9	0.9	-157.00	53.6	-0.6	60.8	59.1	1.70	35.778		
600.0	599.7	596.2	596.0	1.1	1.0	-156.52	56.9	2.0	69.6	67.5	2.05	33.864		
700.0	699.4	694.5	694.2	1.3	1.2	-155.81	61.5	5.8	81.2	78.8	2.42	33.617 SF		
800.0	798.9	792.3	791.7	1.5	1.4	-155.01	67.4	10.5	95.7	92.9	2.78	34.366		
900.0	898.3	889.5	888.4	1.8	1.7	-154.22	74.5	16.3	113.0	109.8	3.16	35.735		
1,000.0	997.4	985.8	984.2	2.0	1.9	-153.48	82.8	23.1	133.1	129.6	3.55	37.496		
1,100.0	1,096.3	1,081.3	1,078.9	2.3	2.1	-152.81	92.3	30.8	156.1	152.1	3.95	39.500		
1,200.0	1,194.9	1,175.8	1,172.4	2.7	2.4	-152.20	102.8	39.3	181.8	177.4	4.36	41.647		
1,300.0	1,293.3	1,269.1	1,264.5	3.0	2.7	-151.65	114.5	48.8	210.2	205.4	4.79	43.870		
1,400.0	1,391.2	1,361.3	1,355.3	3.4	3.0	-151.15	127.1	59.0	241.3	236.1	5.23	46.121		
1,500.0	1,488.9	1,452.2	1,444.5	3.8	3.3	-150.70	140.6	70.0	275.0	269.4	5.69	48.365		
1,600.0	1,586.1	1,543.5	1,533.8	4.2	3.7	-150.30	155.2	81.9	311.3	305.1	6.16	50.554		
1,700.0	1,682.9	1,636.1	1,624.4	4.7	4.0	-150.05	170.1	94.0	349.1	342.4	6.64	52.565		
1,800.0	1,779.3	1,728.1	1,714.4	5.2	4.4	-149.95	185.0	106.1	388.2	381.1	7.13	54.436		
1,900.0	1,875.4	1,819.8	1,804.1	5.7	4.7	-150.10	199.8	118.1	428.1	420.5	7.64	56.032		
2,000.0	1,971.5	1,911.5	1,893.7	6.2	5.1	-150.23	214.6	130.1	468.0	459.9	8.15	57.404		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4C-6H-I368 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-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	-3.98	40.1	-2.8	40.2					
100.0	100.0	99.0	99.0	0.2	0.2	-3.98	40.1	-2.8	40.2	39.9	0.30	132.934		
200.0	200.0	199.0	199.0	0.3	0.3	-3.98	40.1	-2.8	40.2	39.5	0.65	61.702 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	-157.56	40.1	-2.8	41.0	40.0	1.00	40.969		
400.0	400.0	399.0	399.0	0.7	0.7	-158.87	40.1	-2.8	43.4	42.1	1.35	32.164		
500.0	499.9	498.5	498.5	0.9	0.8	-159.80	40.5	-2.1	47.8	46.1	1.70	28.144		
600.0	599.7	598.0	597.9	1.1	1.0	-159.49	41.8	0.2	54.6	52.5	2.05	26.582		
700.0	699.4	697.1	697.0	1.3	1.2	-158.36	43.9	3.9	63.6	61.2	2.41	26.366 SF		
800.0	798.9	796.0	795.7	1.5	1.4	-156.81	46.8	9.1	75.0	72.2	2.78	26.951		
900.0	898.3	894.4	893.8	1.8	1.6	-155.12	50.6	15.8	88.8	85.6	3.17	28.027		
1,000.0	997.4	992.2	991.2	2.0	1.8	-153.47	55.1	23.8	105.0	101.4	3.57	29.404		
1,100.0	1,096.3	1,089.5	1,087.8	2.3	2.1	-151.92	60.5	33.3	123.6	119.6	3.99	30.955		
1,200.0	1,194.9	1,186.0	1,183.6	2.7	2.3	-150.51	66.6	44.1	144.7	140.2	4.44	32.592		
1,300.0	1,293.3	1,281.8	1,278.3	3.0	2.6	-149.25	73.4	56.2	168.1	163.2	4.91	34.257		
1,400.0	1,391.2	1,376.7	1,372.0	3.4	2.9	-148.12	81.0	69.5	193.9	188.5	5.40	35.908		
1,500.0	1,488.9	1,472.3	1,466.1	3.8	3.2	-147.20	89.1	83.9	221.8	215.9	5.91	37.514		
1,600.0	1,586.1	1,567.8	1,560.2	4.2	3.5	-146.65	97.3	98.3	251.2	244.8	6.44	39.011		
1,700.0	1,682.9	1,663.0	1,653.9	4.7	3.8	-146.38	105.4	112.7	282.0	275.0	6.98	40.421		
1,800.0	1,779.3	1,757.7	1,747.2	5.2	4.1	-146.30	113.5	127.0	314.1	306.6	7.52	41.762		
1,900.0	1,875.4	1,852.1	1,840.2	5.7	4.4	-146.47	121.6	141.3	347.0	338.9	8.08	42.932		
2,000.0	1,971.5	1,946.6	1,933.2	6.2	4.8	-146.61	129.7	155.6	379.8	371.2	8.65	43.931		
2,100.0	2,067.7	2,041.0	2,026.2	6.7	5.1	-146.74	137.7	169.8	412.7	403.5	9.21	44.792		
2,200.0	2,163.8	2,135.5	2,119.2	7.2	5.4	-146.84	145.8	184.1	445.5	435.7	9.78	45.541		
2,300.0	2,259.9	2,229.9	2,212.2	7.7	5.7	-146.93	153.9	198.4	478.4	468.0	10.35	46.198		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4D-6H-I368 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-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	0.00	29.1	0.0	29.2					
100.0	100.0	99.0	99.0	0.2	0.2	0.00	29.1	0.0	29.1	28.8	0.30	96.446		
200.0	200.0	199.0	199.0	0.3	0.3	0.00	29.1	0.0	29.1	28.5	0.65	44.766 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	-153.85	29.1	0.0	29.9	28.9	1.00	29.919		
400.0	400.0	399.0	399.0	0.7	0.7	-155.89	29.1	0.0	32.3	30.9	1.35	23.926		
500.0	499.9	498.9	498.9	0.9	0.8	-158.69	29.1	0.0	36.3	34.6	1.70	21.370		
600.0	599.7	598.7	598.7	1.1	1.0	-161.69	29.1	0.0	42.1	40.0	2.05	20.530 SF		
700.0	699.4	698.6	698.6	1.3	1.2	-163.57	29.1	0.8	49.4	47.0	2.40	20.584		
800.0	798.9	798.4	798.4	1.5	1.4	-163.73	29.0	3.4	58.0	55.2	2.75	21.071		
900.0	898.3	898.1	898.0	1.8	1.6	-162.82	28.8	7.7	67.9	64.8	3.11	21.804		
1,000.0	997.4	997.7	997.4	2.0	1.7	-161.28	28.6	13.8	79.1	75.6	3.49	22.677		
1,100.0	1,096.3	1,097.2	1,096.5	2.3	1.9	-159.41	28.2	21.5	91.7	87.9	3.88	23.620		
1,200.0	1,194.9	1,196.3	1,195.3	2.7	2.2	-157.39	27.8	31.0	105.8	101.5	4.31	24.579		
1,300.0	1,293.3	1,295.3	1,293.5	3.0	2.4	-155.36	27.4	42.1	121.4	116.6	4.76	25.515		
1,400.0	1,391.2	1,393.8	1,391.3	3.4	2.6	-153.38	26.8	54.9	138.5	133.3	5.25	26.399		
1,500.0	1,488.9	1,492.1	1,488.5	3.8	2.9	-151.48	26.2	69.2	157.2	151.4	5.78	27.215		
1,600.0	1,586.1	1,589.9	1,585.0	4.2	3.2	-149.69	25.6	85.2	177.5	171.2	6.35	27.954		
1,700.0	1,682.9	1,687.4	1,681.0	4.7	3.5	-148.21	24.9	102.1	199.4	192.5	6.95	28.695		
1,800.0	1,779.3	1,784.5	1,776.7	5.2	3.8	-147.24	24.2	119.0	222.9	215.3	7.56	29.468		
1,900.0	1,875.4	1,881.5	1,872.2	5.7	4.1	-146.67	23.5	135.8	247.0	238.9	8.19	30.164		
2,000.0	1,971.5	1,978.5	1,967.7	6.2	4.5	-146.20	22.7	152.6	271.2	262.4	8.82	30.735		
2,100.0	2,067.7	2,075.6	2,063.3	6.7	4.8	-145.80	22.0	169.5	295.4	286.0	9.47	31.210		
2,200.0	2,163.8	2,172.6	2,158.8	7.2	5.1	-145.47	21.3	186.3	319.7	309.5	10.11	31.610		
2,300.0	2,259.9	2,269.6	2,254.3	7.7	5.4	-145.18	20.6	203.1	343.9	333.1	10.76	31.950		
2,400.0	2,356.0	2,366.6	2,349.9	8.2	5.8	-144.93	19.9	220.0	368.1	356.7	11.42	32.241		
2,500.0	2,452.2	2,463.6	2,445.4	8.7	6.1	-144.72	19.2	236.8	392.4	380.3	12.07	32.494		
2,600.0	2,548.3	2,560.6	2,540.9	9.2	6.4	-144.52	18.5	253.6	416.6	403.9	12.73	32.715		
2,700.0	2,644.4	2,657.6	2,636.5	9.7	6.8	-144.35	17.8	270.5	440.8	427.4	13.40	32.908		
2,800.0	2,740.5	2,754.6	2,732.0	10.2	7.1	-144.20	17.1	287.3	465.1	451.0	14.06	33.080		
2,900.0	2,836.7	2,851.6	2,827.5	10.7	7.4	-144.06	16.4	304.1	489.3	474.6	14.72	33.233		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4E-6H-I368 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-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	0.00	21.9	0.0	21.9					
100.0	100.0	99.0	99.0	0.2	0.2	0.00	21.9	0.0	21.9	21.6	0.30	72.334		
200.0	200.0	199.0	199.0	0.3	0.3	0.00	21.9	0.0	21.9	21.2	0.65	33.574 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	-154.10	21.9	0.0	22.6	21.6	1.00	22.635		
400.0	400.0	399.0	399.0	0.7	0.7	-156.71	21.9	0.0	25.0	23.7	1.35	18.538		
500.0	499.9	499.2	499.2	0.9	0.8	-158.82	21.4	0.7	28.5	26.8	1.70	16.769		
600.0	599.7	599.5	599.4	1.1	1.0	-159.20	19.9	2.9	32.5	30.5	2.05	15.830		
700.0	699.4	699.8	699.6	1.3	1.2	-158.40	17.4	6.4	37.0	34.6	2.41	15.329		
800.0	798.9	800.1	799.7	1.5	1.4	-156.83	13.9	11.5	42.0	39.2	2.79	15.080		
900.0	898.3	899.7	899.7	1.8	1.6	-154.77	9.4	17.9	47.6	44.4	3.18	14.981		
1,000.0	997.4	1,000.7	999.6	2.0	1.8	-152.44	3.9	25.8	53.7	50.1	3.59	14.967 SF		
1,100.0	1,096.3	1,101.0	1,099.2	2.3	2.1	-150.00	-2.6	35.2	60.5	56.5	4.04	14.992		
1,200.0	1,194.9	1,201.2	1,198.6	2.7	2.3	-147.54	-10.1	45.9	68.0	63.5	4.53	15.029		
1,300.0	1,293.3	1,301.4	1,297.7	3.0	2.6	-145.14	-18.5	58.1	76.3	71.2	5.06	15.060		
1,400.0	1,391.2	1,401.6	1,396.5	3.4	3.0	-142.83	-28.0	71.7	85.3	79.6	5.65	15.077		
1,500.0	1,488.9	1,501.7	1,494.9	3.8	3.3	-140.63	-38.4	86.7	95.0	88.7	6.30	15.076		
1,600.0	1,586.1	1,601.7	1,592.9	4.2	3.7	-138.58	-49.8	103.1	105.6	98.5	7.01	15.060		
1,700.0	1,682.9	1,701.0	1,690.0	4.7	4.0	-137.08	-61.6	120.1	117.2	109.5	7.74	15.145		
1,800.0	1,779.3	1,800.1	1,787.0	5.2	4.4	-136.36	-73.3	137.0	130.1	121.7	8.47	15.364		
1,900.0	1,875.4	1,899.2	1,883.9	5.7	4.8	-136.09	-85.1	153.9	143.7	134.5	9.20	15.615		
2,000.0	1,971.5	1,998.3	1,980.8	6.2	5.2	-135.87	-96.9	170.8	157.3	147.4	9.94	15.818		
2,100.0	2,067.7	2,097.4	2,077.7	6.7	5.6	-135.69	-108.6	187.7	170.9	160.2	10.69	15.984		
2,200.0	2,163.8	2,196.4	2,174.6	7.2	6.0	-135.53	-120.4	204.6	184.5	173.0	11.44	16.123		
2,300.0	2,259.9	2,295.5	2,271.6	7.7	6.3	-135.39	-132.1	221.6	198.1	185.9	12.20	16.239		
2,400.0	2,356.0	2,394.6	2,368.5	8.2	6.7	-135.27	-143.9	238.5	211.7	198.7	12.95	16.339		
2,500.0	2,452.2	2,493.6	2,465.4	8.7	7.1	-135.17	-155.6	255.4	225.2	211.5	13.71	16.424		
2,600.0	2,548.3	2,592.7	2,562.3	9.2	7.5	-135.07	-167.4	272.3	238.8	224.4	14.48	16.498		
2,700.0	2,644.4	2,691.8	2,659.2	9.7	7.9	-134.99	-179.1	289.2	252.4	237.2	15.24	16.563		
2,800.0	2,740.5	2,790.9	2,756.1	10.2	8.3	-134.92	-190.9	306.1	266.0	250.0	16.01	16.620		
2,900.0	2,836.7	2,889.9	2,853.0	10.7	8.7	-134.85	-202.7	323.0	279.6	262.8	16.77	16.670		
3,000.0	2,932.8	2,989.0	2,949.9	11.2	9.1	-134.79	-214.4	340.0	293.2	275.7	17.54	16.715		
3,100.0	3,028.9	3,088.1	3,046.8	11.7	9.5	-134.73	-226.2	356.9	306.8	288.5	18.31	16.755		
3,200.0	3,125.1	3,187.1	3,143.7	12.3	9.9	-134.68	-237.9	373.8	320.4	301.3	19.08	16.791		
3,300.0	3,221.2	3,286.2	3,240.6	12.8	10.3	-134.63	-249.7	390.7	334.0	314.1	19.85	16.824		
3,400.0	3,317.3	3,385.3	3,337.5	13.3	10.7	-134.59	-261.4	407.6	347.6	327.0	20.62	16.854		
3,500.0	3,413.4	3,484.4	3,434.4	13.8	11.1	-134.55	-273.2	424.5	361.2	339.8	21.40	16.881		
3,600.0	3,509.6	3,581.7	3,529.8	14.3	11.5	-134.62	-284.3	440.5	375.0	352.9	22.12	16.952		
3,700.0	3,605.7	3,678.7	3,625.1	14.8	11.8	-134.92	-294.5	455.2	389.3	366.5	22.78	17.089		
3,800.0	3,701.8	3,775.5	3,720.6	15.3	12.1	-135.43	-303.8	468.5	404.1	380.8	23.37	17.289		
3,900.0	3,797.9	3,872.0	3,816.0	15.8	12.4	-136.11	-312.1	480.4	419.5	395.6	23.90	17.551		
4,000.0	3,894.1	3,968.2	3,911.3	16.3	12.7	-136.94	-319.4	491.0	435.5	411.1	24.37	17.873		
4,100.0	3,990.2	4,064.0	4,006.4	16.9	13.0	-137.91	-325.8	500.2	452.2	427.4	24.77	18.258		
4,200.0	4,086.3	4,159.3	4,101.2	17.4	13.2	-138.98	-331.3	508.1	469.6	444.4	25.10	18.706		
4,300.0	4,182.4	4,254.1	4,195.8	17.9	13.4	-140.16	-335.9	514.7	487.7	462.3	25.38	19.219		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4F-6H-I368 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-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	0.00	10.9	0.0	10.9					
100.0	100.0	100.0	100.0	0.2	0.2	0.00	10.9	0.0	10.9	10.6	0.30	35.986		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	10.9	0.0	10.9	10.3	0.65	16.742 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-155.03	10.9	0.0	11.7	10.7	1.00	11.691		
400.0	400.0	400.2	400.2	0.7	0.7	-157.61	10.2	0.5	13.4	12.0	1.35	9.900		
500.0	499.9	500.4	500.3	0.9	0.9	-158.58	8.1	2.1	15.2	13.5	1.70	8.925		
600.0	599.7	600.6	600.4	1.1	1.0	-158.41	4.6	4.7	17.2	15.1	2.06	8.335		
700.0	699.4	700.8	700.5	1.3	1.2	-157.46	-0.3	8.4	19.3	16.8	2.42	7.953		
800.0	798.9	801.1	800.5	1.5	1.5	-155.97	-6.6	13.1	21.5	18.7	2.79	7.693		
900.0	898.3	901.4	900.3	1.8	1.7	-154.13	-14.3	18.9	23.9	20.7	3.18	7.506		
1,000.0	997.4	1,001.7	1,000.0	2.0	1.9	-152.06	-23.4	25.8	26.5	22.9	3.59	7.362		
1,100.0	1,096.3	1,102.0	1,099.4	2.3	2.2	-149.86	-33.9	33.7	29.2	25.2	4.04	7.241		
1,200.0	1,194.9	1,202.4	1,198.7	2.7	2.5	-147.60	-45.8	42.6	32.2	27.7	4.52	7.129		
1,300.0	1,293.3	1,302.8	1,297.7	3.0	2.8	-145.33	-59.1	52.6	35.4	30.4	5.05	7.018		
1,400.0	1,391.2	1,403.2	1,396.3	3.4	3.2	-143.11	-73.7	63.6	38.9	33.3	5.63	6.905		
1,500.0	1,488.9	1,503.6	1,494.7	3.8	3.5	-140.94	-89.8	75.6	42.6	36.3	6.27	6.789		
1,600.0	1,586.1	1,604.0	1,592.7	4.2	3.9	-138.86	-107.2	88.7	46.5	39.6	6.98	6.671		
1,700.0	1,682.9	1,704.4	1,690.4	4.7	4.4	-136.86	-126.0	102.8	50.8	43.0	7.75	6.553		
1,800.0	1,779.3	1,804.8	1,787.6	5.2	4.8	-134.96	-146.2	118.0	55.3	46.7	8.58	6.438		
1,900.0	1,875.4	1,904.7	1,884.0	5.7	5.3	-133.37	-166.9	133.5	60.0	50.5	9.45	6.348		
2,000.0	1,971.5	2,004.5	1,980.5	6.2	5.8	-132.00	-187.5	149.0	64.7	54.4	10.32	6.268		
2,100.0	2,067.7	2,104.4	2,077.0	6.7	6.2	-130.82	-208.2	164.5	69.5	58.3	11.21	6.197		
2,200.0	2,163.8	2,204.3	2,173.4	7.2	6.7	-129.79	-228.9	180.0	74.3	62.2	12.11	6.133		
2,300.0	2,259.9	2,304.2	2,269.9	7.7	7.2	-128.89	-249.5	195.6	79.1	66.1	13.02	6.077		
2,400.0	2,356.0	2,404.0	2,366.4	8.2	7.7	-128.09	-270.2	211.1	84.0	70.0	13.93	6.026		
2,500.0	2,452.2	2,503.9	2,462.9	8.7	8.1	-127.38	-290.9	226.6	88.8	74.0	14.85	5.981		
2,600.0	2,548.3	2,603.8	2,559.3	9.2	8.6	-126.75	-311.6	242.1	93.7	77.9	15.77	5.941		
2,700.0	2,644.4	2,703.7	2,655.8	9.7	9.1	-126.17	-332.2	257.7	98.6	81.9	16.69	5.905		
2,800.0	2,740.5	2,803.6	2,752.3	10.2	9.6	-125.65	-352.9	273.2	103.4	85.8	17.62	5.872		
2,900.0	2,836.7	2,903.4	2,848.8	10.7	10.1	-125.18	-373.6	288.7	108.3	89.8	18.54	5.842		
3,000.0	2,932.8	3,003.3	2,945.2	11.2	10.5	-124.75	-394.2	304.2	113.2	93.8	19.47	5.814		
3,100.0	3,028.9	3,103.2	3,041.7	11.7	11.0	-124.35	-414.9	319.7	118.1	97.7	20.41	5.789		
3,200.0	3,125.1	3,203.1	3,138.2	12.3	11.5	-123.99	-435.6	335.3	123.0	101.7	21.34	5.767		
3,300.0	3,221.2	3,302.9	3,234.6	12.8	12.0	-123.65	-456.3	350.8	128.0	105.7	22.27	5.746		
3,400.0	3,317.3	3,402.8	3,331.1	13.3	12.5	-123.34	-476.9	366.3	132.9	109.7	23.21	5.726		
3,500.0	3,413.4	3,502.7	3,427.6	13.8	13.0	-123.05	-497.6	381.8	137.8	113.7	24.14	5.708		
3,600.0	3,509.6	3,602.6	3,524.1	14.3	13.4	-122.78	-518.3	397.3	142.7	117.7	25.08	5.692		
3,700.0	3,605.7	3,702.4	3,620.5	14.8	13.9	-122.53	-538.9	412.9	147.7	121.6	26.02	5.676		
3,800.0	3,701.8	3,801.3	3,716.3	15.3	14.4	-122.58	-558.8	427.8	152.9	126.0	26.87	5.690		
3,900.0	3,797.9	3,900.0	3,812.2	15.8	14.8	-123.19	-577.3	441.6	158.8	131.2	27.59	5.757		
4,000.0	3,894.1	3,998.7	3,908.5	16.3	15.2	-124.29	-594.4	454.5	165.5	137.3	28.18	5.874		
4,100.0	3,990.2	4,097.0	4,004.9	16.9	15.6	-125.81	-610.2	466.4	173.0	144.3	28.62	6.044		
4,200.0	4,086.3	4,195.1	4,101.3	17.4	15.9	-127.68	-624.6	477.2	181.3	152.4	28.92	6.271		
4,300.0	4,182.4	4,292.9	4,197.7	17.9	16.2	-129.81	-637.7	487.0	190.7	161.7	29.08	6.559		
4,400.0	4,278.6	4,390.3	4,293.9	18.4	16.5	-132.14	-649.4	495.8	201.3	172.2	29.11	6.915		
4,500.0	4,374.8	4,487.2	4,390.1	18.9	16.8	-134.59	-659.7	503.5	212.9	183.9	29.02	7.336		
4,600.0	4,471.4	4,584.0	4,486.1	19.4	17.0	-136.88	-668.7	510.3	224.7	195.8	28.89	7.778		
4,700.0	4,568.5	4,680.5	4,582.2	19.8	17.3	-138.97	-676.4	516.1	236.6	207.8	28.74	8.233		
4,800.0	4,666.0	4,776.9	4,678.2	20.2	17.4	-140.90	-682.8	520.9	248.5	219.9	28.56	8.699		
4,900.0	4,763.8	4,873.0	4,774.1	20.6	17.6	-142.69	-687.9	524.7	260.4	232.0	28.38	9.174		
5,000.0	4,862.0	4,968.9	4,869.9	21.0	17.8	-144.36	-691.7	527.6	272.2	244.1	28.18	9.659		
5,100.0	4,960.5	5,064.6	4,965.5	21.3	17.9	-145.92	-694.2	529.4	284.1	256.1	27.98	10.153		

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 Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4F-6H-I368 - 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	5,059.3	5,160.1	5,061.0	21.6	18.0	-147.39	-695.5	530.4	295.9	268.1	27.77	10.653		
5,300.0	5,158.4	5,257.4	5,158.4	21.9	18.0	-148.78	-695.6	530.5	307.5	279.9	27.57	11.150		
5,400.0	5,257.6	5,356.7	5,257.6	22.1	18.1	-149.96	-695.6	530.5	317.8	290.4	27.44	11.581		
5,500.0	5,357.1	5,456.2	5,357.1	22.4	18.2	-150.90	-695.6	530.5	326.8	299.4	27.38	11.932		
5,600.0	5,456.7	5,555.8	5,456.7	22.6	18.3	-151.65	-695.6	530.5	334.3	306.9	27.39	12.204		
5,700.0	5,556.5	5,655.6	5,556.5	22.7	18.4	-152.22	-695.6	530.5	340.3	312.8	27.45	12.395		
5,800.0	5,656.4	5,755.4	5,656.4	22.9	18.5	-152.63	-695.6	530.5	344.7	317.2	27.56	12.508		
5,900.0	5,756.3	5,855.4	5,756.3	23.0	18.6	-152.90	-695.6	530.5	347.7	320.0	27.72	12.545		
6,000.0	5,856.3	5,955.4	5,856.3	23.1	18.7	-153.02	-695.6	530.5	349.1	321.2	27.91	12.506		
6,100.0	5,956.3	6,055.4	5,956.3	23.2	18.8	0.07	-695.6	530.5	349.2	311.7	37.47	9.319		
6,200.0	6,056.3	6,155.4	6,056.3	23.2	18.9	0.07	-695.6	530.5	349.2	311.5	37.67	9.269		
6,300.0	6,156.3	6,255.4	6,156.3	23.3	19.0	0.07	-695.6	530.5	349.2	311.3	37.88	9.220		
6,400.0	6,256.3	6,355.4	6,256.3	23.4	19.1	0.07	-695.6	530.5	349.2	311.1	38.08	9.170		
6,500.0	6,356.3	6,455.4	6,356.3	23.5	19.2	0.05	-695.6	530.4	349.2	310.9	38.30	9.119		
6,523.0	6,379.3	6,478.3	6,379.2	23.5	19.2	-0.07	-695.6	529.6	349.2	310.8	38.37	9.100		
6,600.0	6,456.3	6,554.5	6,455.0	23.6	19.2	-1.33	-695.6	521.9	349.3	310.5	38.85	8.991		
6,700.0	6,556.3	6,650.0	6,548.1	23.7	19.1	-4.76	-695.6	501.0	350.5	310.7	39.83	8.800		
6,800.0	6,656.1	6,739.8	6,632.4	23.7	18.9	80.80	-695.6	470.2	354.2	327.8	26.39	13.422		
6,900.0	6,754.0	6,827.1	6,710.0	23.6	18.7	76.60	-695.6	430.4	359.7	334.5	25.21	14.272		
7,000.0	6,848.3	6,912.0	6,780.3	23.5	18.4	72.76	-695.6	382.8	366.7	342.3	24.40	15.027		
7,100.0	6,937.1	6,995.0	6,843.1	23.3	18.2	69.34	-695.6	328.7	374.4	350.5	23.98	15.612		
7,200.0	7,018.6	7,076.2	6,898.2	23.0	18.0	66.36	-695.6	269.0	382.5	358.6	23.91	15.999		
7,300.0	7,091.3	7,156.1	6,945.3	22.8	17.9	63.83	-695.6	204.5	390.2	366.2	24.07	16.212		
7,400.0	7,153.8	7,234.9	6,984.6	22.7	17.8	61.76	-695.6	136.2	397.3	372.9	24.46	16.246		
7,500.0	7,204.7	7,312.9	7,015.7	22.6	17.8	60.13	-695.6	64.9	403.4	378.3	25.04	16.109		
7,600.0	7,243.3	7,390.1	7,038.8	22.6	18.0	58.94	-695.6	-8.8	408.1	382.2	25.83	15.797		
7,700.0	7,268.6	7,467.0	7,053.8	22.8	18.3	58.17	-695.6	-84.2	411.2	384.3	26.90	15.284		
7,800.0	7,280.2	7,543.5	7,060.6	23.3	18.9	57.82	-695.6	-160.4	412.7	384.4	28.26	14.606		
7,900.0	7,281.0	7,635.8	7,061.0	23.9	19.9	57.80	-695.6	-252.6	412.8	382.2	30.57	13.505		
8,000.0	7,281.0	7,735.8	7,061.0	24.9	21.3	57.80	-695.6	-352.6	412.8	379.3	33.49	12.325		
8,100.0	7,281.0	7,835.8	7,061.0	26.1	23.0	57.80	-695.6	-452.6	412.8	376.2	36.67	11.259		
8,200.0	7,281.0	7,935.8	7,061.0	27.6	24.8	57.80	-695.6	-552.6	412.8	372.8	40.03	10.313		
8,300.0	7,281.0	8,035.8	7,061.0	29.2	26.7	57.80	-695.6	-652.6	412.8	369.3	43.54	9.482		
8,400.0	7,281.0	8,135.8	7,061.0	31.0	28.8	57.80	-695.6	-752.6	412.9	365.7	47.16	8.755		
8,500.0	7,281.0	8,235.8	7,061.0	32.9	30.8	57.80	-695.6	-852.6	412.9	362.0	50.87	8.117		
8,600.0	7,281.0	8,335.8	7,061.0	34.9	33.0	57.80	-695.5	-952.6	412.9	358.2	54.64	7.556		
8,700.0	7,281.0	8,435.8	7,061.0	37.0	35.2	57.80	-695.5	-1,052.6	412.9	354.4	58.48	7.060		
8,800.0	7,281.0	8,535.8	7,061.0	39.1	37.4	57.80	-695.5	-1,152.6	412.9	350.5	62.36	6.621		
8,900.0	7,281.0	8,635.8	7,061.0	41.3	39.7	57.80	-695.5	-1,252.6	412.9	346.6	66.28	6.230		
9,000.0	7,281.0	8,735.8	7,061.0	43.5	42.0	57.80	-695.5	-1,352.6	412.9	342.7	70.23	5.879		
9,100.0	7,281.0	8,835.8	7,061.0	45.7	44.3	57.81	-695.5	-1,452.6	412.9	338.7	74.21	5.564		
9,200.0	7,281.0	8,935.8	7,061.0	48.0	46.6	57.81	-695.5	-1,552.6	412.9	334.7	78.21	5.280		
9,300.0	7,281.0	9,035.8	7,061.0	50.2	48.9	57.81	-695.5	-1,652.6	412.9	330.7	82.23	5.022		
9,400.0	7,281.0	9,135.8	7,061.0	52.5	51.3	57.81	-695.5	-1,752.6	412.9	326.7	86.27	4.787		
9,500.0	7,281.0	9,235.8	7,061.0	54.8	53.6	57.81	-695.5	-1,852.6	413.0	322.6	90.32	4.572		
9,600.0	7,281.0	9,335.8	7,061.0	57.2	56.0	57.81	-695.5	-1,952.6	413.0	318.6	94.38	4.375		
9,700.0	7,281.0	9,435.8	7,061.0	59.5	58.4	57.81	-695.5	-2,052.6	413.0	314.5	98.46	4.194		
9,800.0	7,281.0	9,535.8	7,061.0	61.8	60.7	57.81	-695.5	-2,152.6	413.0	310.4	102.54	4.027		
9,900.0	7,281.0	9,635.8	7,061.0	64.2	63.1	57.81	-695.5	-2,252.6	413.0	306.4	106.63	3.873		
10,000.0	7,281.0	9,735.8	7,061.0	66.6	65.5	57.81	-695.5	-2,352.6	413.0	302.3	110.73	3.730		
10,100.0	7,281.0	9,835.8	7,061.0	68.9	67.9	57.81	-695.5	-2,452.6	413.0	298.2	114.84	3.596		
10,200.0	7,281.0	9,935.8	7,061.0	71.3	70.3	57.81	-695.5	-2,552.6	413.0	294.1	118.96	3.472		

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 Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													S6-T3N-R68W (Zisch/Drieth 1) - Drieth 4F-6H-I368 - 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		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor						
							+N/-S (ft)	+E/-W (ft)										
10,300.0	7,281.0	10,035.8	7,061.0	73.7	72.7	57.81	-695.5	-2,652.6	413.0	290.0	123.07	3.356						
10,400.0	7,281.0	10,135.8	7,061.0	76.1	75.2	57.82	-695.5	-2,752.6	413.0	285.8	127.20	3.247						
10,500.0	7,281.0	10,235.8	7,061.0	78.5	77.6	57.82	-695.5	-2,852.6	413.0	281.7	131.33	3.145						
10,600.0	7,281.0	10,335.8	7,061.0	80.9	80.0	57.82	-695.5	-2,952.6	413.1	277.6	135.46	3.049						
10,700.0	7,281.0	10,435.8	7,061.0	83.3	82.4	57.82	-695.5	-3,052.6	413.1	273.5	139.60	2.959						
10,800.0	7,281.0	10,535.8	7,061.0	85.7	84.9	57.82	-695.5	-3,152.6	413.1	269.3	143.74	2.874						
10,900.0	7,281.0	10,635.8	7,061.0	88.1	87.3	57.82	-695.5	-3,252.6	413.1	265.2	147.88	2.793						
11,000.0	7,281.0	10,735.8	7,061.0	90.5	89.7	57.82	-695.5	-3,352.6	413.1	261.1	152.03	2.717						
11,100.0	7,281.0	10,835.8	7,061.0	93.0	92.2	57.82	-695.5	-3,452.6	413.1	256.9	156.17	2.645						
11,200.0	7,281.0	10,935.8	7,061.0	95.4	94.6	57.82	-695.5	-3,552.6	413.1	252.8	160.33	2.577						
11,300.0	7,281.0	11,035.8	7,061.0	97.8	97.0	57.82	-695.4	-3,652.6	413.1	248.6	164.48	2.512						
11,400.0	7,281.0	11,135.8	7,061.0	100.2	99.5	57.82	-695.4	-3,752.6	413.1	244.5	168.63	2.450						
11,500.0	7,281.0	11,235.8	7,061.0	102.7	101.9	57.82	-695.4	-3,852.6	413.1	240.3	172.79	2.391						
11,600.0	7,281.0	11,335.8	7,061.0	105.1	104.4	57.83	-695.4	-3,952.6	413.1	236.2	176.95	2.335						
11,700.0	7,281.0	11,435.8	7,061.0	107.5	106.8	57.83	-695.4	-4,052.6	413.2	232.0	181.11	2.281						
11,800.0	7,281.0	11,535.8	7,061.0	110.0	109.3	57.83	-695.4	-4,152.6	413.2	227.9	185.28	2.230						
11,803.5	7,281.0	11,539.2	7,061.0	110.0	109.3	57.83	-695.4	-4,156.1	413.2	227.7	185.42	2.228 SF						



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth 1) - Zisch 3A-6H-M368 - 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	Factor	
7,000.0	6,848.3	11,551.0	7,041.0	23.5	108.7	-39.09	-1,271.4	106.1	453.4	369.5	83.84	5.408	
7,100.0	6,937.1	11,551.0	7,041.0	23.3	108.7	-42.81	-1,271.4	106.1	395.6	307.4	88.17	4.487	
7,200.0	7,018.6	11,551.0	7,041.0	23.0	108.7	-45.90	-1,271.4	106.1	347.3	255.9	91.36	3.801	
7,300.0	7,091.3	11,551.0	7,041.0	22.8	108.7	-47.98	-1,271.4	106.1	313.9	220.8	93.09	3.372	
7,400.0	7,153.8	11,551.0	7,041.0	22.7	108.7	-48.75	-1,271.4	106.1	301.3	208.0	93.27	3.230 ES, SF	
7,403.9	7,156.0	11,551.0	7,041.0	22.7	108.7	-48.75	-1,271.4	106.1	301.3	208.0	93.25	3.231 CC	
7,500.0	7,204.7	11,551.0	7,041.0	22.6	108.7	-48.09	-1,271.4	106.1	312.1	220.2	91.97	3.394	
7,600.0	7,243.3	11,488.2	7,041.0	22.6	107.2	-43.58	-1,271.3	43.2	338.3	253.4	84.85	3.987	
7,700.0	7,268.6	11,391.5	7,041.0	22.8	104.8	-39.80	-1,271.3	-53.4	357.5	278.8	78.72	4.541	
7,800.0	7,280.2	11,292.3	7,041.0	23.3	102.4	-38.19	-1,271.3	-152.7	366.5	289.9	76.60	4.785	
7,900.0	7,281.0	11,192.3	7,041.0	23.9	100.0	-38.08	-1,271.3	-252.6	367.2	290.8	76.32	4.811	
8,000.0	7,281.0	11,092.3	7,041.0	24.9	97.5	-38.08	-1,271.3	-352.6	367.1	291.4	75.77	4.845	
8,100.0	7,281.0	10,992.3	7,041.0	26.1	95.1	-38.08	-1,271.3	-452.6	367.1	291.8	75.31	4.875	
8,200.0	7,281.0	10,892.3	7,041.0	27.6	92.7	-38.08	-1,271.3	-552.6	367.1	292.2	74.93	4.900	
8,300.0	7,281.0	10,792.3	7,041.0	29.2	90.2	-38.07	-1,271.3	-652.6	367.1	292.5	74.61	4.921	
8,400.0	7,281.0	10,692.3	7,041.0	31.0	87.8	-38.07	-1,271.3	-752.6	367.1	292.8	74.34	4.939	
8,500.0	7,281.0	10,592.3	7,041.0	32.9	85.4	-38.07	-1,271.3	-852.6	367.1	293.0	74.10	4.954	
8,600.0	7,281.0	10,492.3	7,041.0	34.9	83.0	-38.07	-1,271.3	-952.6	367.1	293.2	73.90	4.967	
8,700.0	7,281.0	10,392.3	7,041.0	37.0	80.5	-38.07	-1,271.3	-1,052.6	367.1	293.3	73.74	4.978	
8,800.0	7,281.0	10,292.3	7,041.0	39.1	78.1	-38.06	-1,271.3	-1,152.6	367.1	293.5	73.59	4.988	
8,900.0	7,281.0	10,192.3	7,041.0	41.3	75.7	-38.06	-1,271.2	-1,252.6	367.1	293.6	73.47	4.996	
9,000.0	7,281.0	10,092.3	7,041.0	43.5	73.3	-38.06	-1,271.2	-1,352.6	367.1	293.7	73.36	5.004	
9,100.0	7,281.0	9,992.3	7,041.0	45.7	70.9	-38.06	-1,271.2	-1,452.6	367.0	293.8	73.27	5.010	
9,200.0	7,281.0	9,892.3	7,041.0	48.0	68.5	-38.06	-1,271.2	-1,552.6	367.0	293.8	73.19	5.015	
9,300.0	7,281.0	9,792.3	7,041.0	50.2	66.1	-38.06	-1,271.2	-1,652.6	367.0	293.9	73.13	5.019	
9,400.0	7,281.0	9,692.3	7,041.0	52.5	63.7	-38.05	-1,271.2	-1,752.6	367.0	293.9	73.08	5.022	
9,500.0	7,281.0	9,592.3	7,041.0	54.8	61.3	-38.05	-1,271.2	-1,852.6	367.0	294.0	73.04	5.025	
9,600.0	7,281.0	9,492.3	7,041.0	57.2	59.0	-38.05	-1,271.2	-1,952.6	367.0	294.0	73.01	5.027	
9,700.0	7,281.0	9,392.3	7,041.0	59.5	56.6	-38.05	-1,271.2	-2,052.6	367.0	294.0	72.99	5.028	
9,800.0	7,281.0	9,292.3	7,041.0	61.8	54.3	-38.05	-1,271.2	-2,152.6	367.0	294.0	72.98	5.028	
9,900.0	7,281.0	9,192.3	7,041.0	64.2	51.9	-38.05	-1,271.2	-2,252.6	367.0	294.0	72.98	5.028	
10,000.0	7,281.0	9,092.3	7,041.0	66.6	49.6	-38.04	-1,271.2	-2,352.6	367.0	294.0	73.00	5.027	
10,100.0	7,281.0	8,992.3	7,041.0	68.9	47.3	-38.04	-1,271.2	-2,452.6	367.0	293.9	73.02	5.026	
10,200.0	7,281.0	8,892.3	7,041.0	71.3	45.0	-38.04	-1,271.1	-2,552.6	366.9	293.9	73.05	5.023	
10,300.0	7,281.0	8,792.3	7,041.0	73.7	42.7	-38.04	-1,271.1	-2,652.6	366.9	293.8	73.10	5.020	
10,400.0	7,281.0	8,692.3	7,041.0	76.1	40.4	-38.04	-1,271.1	-2,752.6	366.9	293.8	73.16	5.015	
10,500.0	7,281.0	8,592.3	7,041.0	78.5	38.2	-38.03	-1,271.1	-2,852.6	366.9	293.7	73.24	5.010	
10,600.0	7,281.0	8,492.3	7,041.0	80.9	36.0	-38.03	-1,271.1	-2,952.6	366.9	293.6	73.33	5.003	
10,700.0	7,281.0	8,392.3	7,041.0	83.3	33.9	-38.03	-1,271.1	-3,052.6	366.9	293.5	73.45	4.995	
10,800.0	7,281.0	8,292.3	7,041.0	85.7	31.7	-38.03	-1,271.1	-3,152.6	366.9	293.3	73.59	4.986	
10,900.0	7,281.0	8,192.3	7,041.0	88.1	29.7	-38.03	-1,271.1	-3,252.6	366.9	293.1	73.76	4.974	
11,000.0	7,281.0	8,092.3	7,041.0	90.5	27.7	-38.03	-1,271.1	-3,352.6	366.9	292.9	73.96	4.960	
11,100.0	7,281.0	7,992.3	7,041.0	93.0	25.8	-38.02	-1,271.1	-3,452.6	366.9	292.7	74.21	4.944	
11,200.0	7,281.0	7,892.3	7,041.0	95.4	24.1	-38.02	-1,271.1	-3,552.6	366.9	292.3	74.51	4.923	
11,300.0	7,281.0	7,792.3	7,041.0	97.8	22.6	-38.02	-1,271.1	-3,652.6	366.8	292.0	74.88	4.899	
11,400.0	7,281.0	7,692.3	7,041.0	100.2	21.3	-38.02	-1,271.1	-3,752.6	366.8	291.5	75.34	4.869	
11,500.0	7,281.0	7,592.3	7,041.0	102.7	20.4	-38.02	-1,271.1	-3,852.6	366.8	290.9	75.91	4.833	
11,505.5	7,281.0	7,586.8	7,041.0	102.8	20.4	-38.02	-1,271.1	-3,858.1	366.8	290.9	75.94	4.830	
11,600.0	7,281.0	7,514.6	7,038.9	105.1	20.0	-37.81	-1,271.0	-3,930.3	369.2	292.7	76.48	4.827	
11,700.0	7,281.0	7,450.0	7,031.1	107.5	19.7	-37.08	-1,271.0	-3,994.4	379.2	302.8	76.42	4.962	
11,800.0	7,281.0	7,376.8	7,015.2	110.0	19.6	-35.67	-1,271.0	-4,065.9	397.0	321.7	75.32	5.271	
11,803.5	7,281.0	7,374.5	7,014.6	110.0	19.6	-35.61	-1,271.0	-4,068.1	397.8	322.5	75.28	5.284	

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 Drieth 4G-6H-I368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5124.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 4G-6H-I368	<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 #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 5124.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

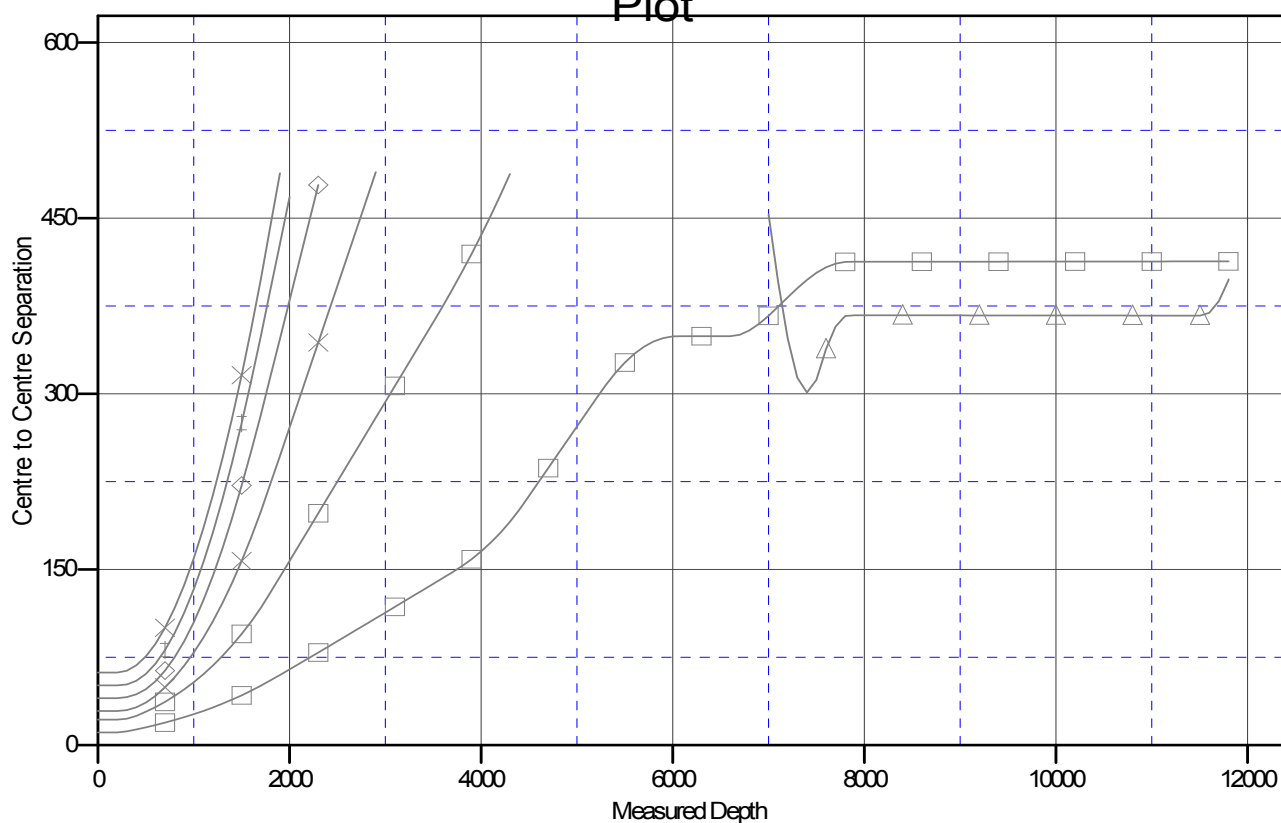
Central Meridian is -105.500000 °

Coordinates are relative to: Drieth 4G-6H-I368

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.30°

### Ladder Plot



### LEGEND

- Drieth 4E-6H-I368, Hz, Plan #1 V0
  Drieth 4D-6H-I368, Hz, Plan #1 V0
  Drieth 4A-6H-I368, Hz, Plan #1 V0
- Drieth 4B-6H-I368, Hz, Plan #1 V0
  Zisch 3A-6H-M368, HZ, Plan #1 V0
- Drieth 4C-6H-I368, Hz, Plan #1 V0
  Drieth 4F-6H-I368, Hz, Plan #1 V0