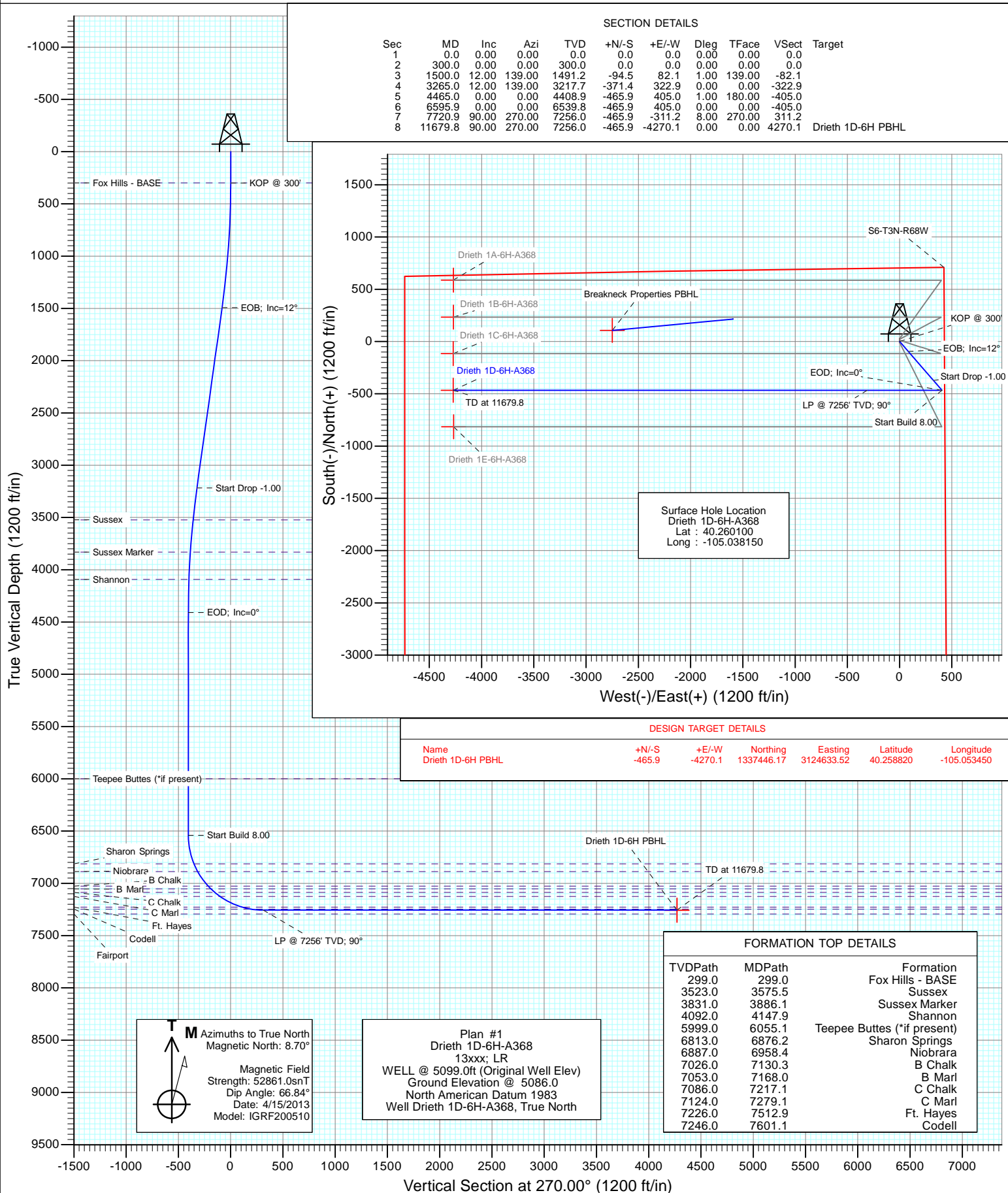




Project: DJ Wattenberg  
Site: S6-T3N-R68W (Zisch/Drieth 1)  
Well: Drieth 1D-6H-A368  
Wellbore: Hz  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 1D-6H-A368	<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 1D-6H-A368					
Well Position	+N/-S	0.0 ft	Northing:	1,337,934.32 ft	Latitude:	40.260100
	+E/-W	0.0 ft	Easting:	3,128,901.12 ft	Longitude:	-105.038150
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,086.0 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</b>
			(°)	(°)	(nT)
	IGRF200510	4/15/2013	8.70	66.84	52,861

<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)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	12.00	139.00	1,491.2	-94.5	82.1	1.00	1.00	0.00	139.00	
3,265.0	12.00	139.00	3,217.7	-371.4	322.9	0.00	0.00	0.00	0.00	
4,465.0	0.00	0.00	4,408.9	-465.9	405.0	1.00	-1.00	0.00	180.00	
6,595.9	0.00	0.00	6,539.8	-465.9	405.0	0.00	0.00	0.00	0.00	
7,720.9	90.00	270.00	7,256.0	-465.9	-311.2	8.00	8.00	0.00	270.00	
11,679.8	90.00	270.00	7,256.0	-465.9	-4,270.1	0.00	0.00	0.00	0.00	Drieth 1D-6H PBHL

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 1D-6H-A368	<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	
299.0	0.00	0.00	299.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	KOP @ 300'
400.0	1.00	139.00	400.0	-0.7	0.6	-0.6	1.00	1.00	
500.0	2.00	139.00	500.0	-2.6	2.3	-2.3	1.00	1.00	
600.0	3.00	139.00	599.9	-5.9	5.2	-5.2	1.00	1.00	
700.0	4.00	139.00	699.7	-10.5	9.2	-9.2	1.00	1.00	
800.0	5.00	139.00	799.4	-16.5	14.3	-14.3	1.00	1.00	
900.0	6.00	139.00	898.9	-23.7	20.6	-20.6	1.00	1.00	
1,000.0	7.00	139.00	998.3	-32.2	28.0	-28.0	1.00	1.00	
1,100.0	8.00	139.00	1,097.4	-42.1	36.6	-36.6	1.00	1.00	
1,200.0	9.00	139.00	1,196.3	-53.2	46.3	-46.3	1.00	1.00	
1,300.0	10.00	139.00	1,294.9	-65.7	57.1	-57.1	1.00	1.00	
1,400.0	11.00	139.00	1,393.3	-79.4	69.1	-69.1	1.00	1.00	
1,500.0	12.00	139.00	1,491.2	-94.5	82.1	-82.1	1.00	1.00	EOB; Inc=12°
1,600.0	12.00	139.00	1,589.1	-110.2	95.8	-95.8	0.00	0.00	
1,700.0	12.00	139.00	1,686.9	-125.9	109.4	-109.4	0.00	0.00	
1,800.0	12.00	139.00	1,784.7	-141.6	123.1	-123.1	0.00	0.00	
1,900.0	12.00	139.00	1,882.5	-157.3	136.7	-136.7	0.00	0.00	
2,000.0	12.00	139.00	1,980.3	-172.9	150.3	-150.3	0.00	0.00	
2,100.0	12.00	139.00	2,078.1	-188.6	164.0	-164.0	0.00	0.00	
2,200.0	12.00	139.00	2,175.9	-204.3	177.6	-177.6	0.00	0.00	
2,300.0	12.00	139.00	2,273.8	-220.0	191.3	-191.3	0.00	0.00	
2,400.0	12.00	139.00	2,371.6	-235.7	204.9	-204.9	0.00	0.00	
2,500.0	12.00	139.00	2,469.4	-251.4	218.5	-218.5	0.00	0.00	
2,600.0	12.00	139.00	2,567.2	-267.1	232.2	-232.2	0.00	0.00	
2,700.0	12.00	139.00	2,665.0	-282.8	245.8	-245.8	0.00	0.00	
2,800.0	12.00	139.00	2,762.8	-298.5	259.5	-259.5	0.00	0.00	
2,900.0	12.00	139.00	2,860.7	-314.2	273.1	-273.1	0.00	0.00	
3,000.0	12.00	139.00	2,958.5	-329.9	286.7	-286.7	0.00	0.00	
3,100.0	12.00	139.00	3,056.3	-345.6	300.4	-300.4	0.00	0.00	
3,200.0	12.00	139.00	3,154.1	-361.2	314.0	-314.0	0.00	0.00	
3,265.0	12.00	139.00	3,217.7	-371.4	322.9	-322.9	0.00	0.00	Start Drop -1.00
3,300.0	11.65	139.00	3,251.9	-376.9	327.6	-327.6	1.00	-1.00	
3,400.0	10.65	139.00	3,350.0	-391.5	340.3	-340.3	1.00	-1.00	
3,500.0	9.65	139.00	3,448.5	-404.8	351.8	-351.8	1.00	-1.00	
3,575.5	8.89	139.00	3,523.0	-413.9	359.8	-359.8	1.00	-1.00	Sussex
3,600.0	8.65	139.00	3,547.2	-416.8	362.3	-362.3	1.00	-1.00	
3,700.0	7.65	139.00	3,646.2	-427.5	371.6	-371.6	1.00	-1.00	
3,800.0	6.65	139.00	3,745.4	-436.8	379.7	-379.7	1.00	-1.00	
3,886.1	5.79	139.00	3,831.0	-443.9	385.9	-385.9	1.00	-1.00	Sussex Marker
3,900.0	5.65	139.00	3,844.8	-444.9	386.8	-386.8	1.00	-1.00	
4,000.0	4.65	139.00	3,944.4	-451.7	392.7	-392.7	1.00	-1.00	
4,100.0	3.65	139.00	4,044.2	-457.2	397.4	-397.4	1.00	-1.00	
4,147.9	3.17	139.00	4,092.0	-459.3	399.3	-399.3	1.00	-1.00	Shannon
4,200.0	2.65	139.00	4,144.0	-461.3	401.0	-401.0	1.00	-1.00	
4,300.0	1.65	139.00	4,243.9	-464.1	403.5	-403.5	1.00	-1.00	
4,400.0	0.65	139.00	4,343.9	-465.7	404.8	-404.8	1.00	-1.00	
4,465.0	0.00	0.00	4,408.9	-465.9	405.0	-405.0	1.00	-1.00	EOD; Inc=0°
4,500.0	0.00	0.00	4,443.9	-465.9	405.0	-405.0	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 1D-6H-A368	<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
4,600.0	0.00	0.00	4,543.9	-465.9	405.0	-405.0	0.00	0.00	
4,700.0	0.00	0.00	4,643.9	-465.9	405.0	-405.0	0.00	0.00	
4,800.0	0.00	0.00	4,743.9	-465.9	405.0	-405.0	0.00	0.00	
4,900.0	0.00	0.00	4,843.9	-465.9	405.0	-405.0	0.00	0.00	
5,000.0	0.00	0.00	4,943.9	-465.9	405.0	-405.0	0.00	0.00	
5,100.0	0.00	0.00	5,043.9	-465.9	405.0	-405.0	0.00	0.00	
5,200.0	0.00	0.00	5,143.9	-465.9	405.0	-405.0	0.00	0.00	
5,300.0	0.00	0.00	5,243.9	-465.9	405.0	-405.0	0.00	0.00	
5,400.0	0.00	0.00	5,343.9	-465.9	405.0	-405.0	0.00	0.00	
5,500.0	0.00	0.00	5,443.9	-465.9	405.0	-405.0	0.00	0.00	
5,600.0	0.00	0.00	5,543.9	-465.9	405.0	-405.0	0.00	0.00	
5,700.0	0.00	0.00	5,643.9	-465.9	405.0	-405.0	0.00	0.00	
5,800.0	0.00	0.00	5,743.9	-465.9	405.0	-405.0	0.00	0.00	
5,900.0	0.00	0.00	5,843.9	-465.9	405.0	-405.0	0.00	0.00	
6,000.0	0.00	0.00	5,943.9	-465.9	405.0	-405.0	0.00	0.00	
6,055.1	0.00	0.00	5,999.0	-465.9	405.0	-405.0	0.00	0.00	Teepee Buttes (*if present)
6,100.0	0.00	0.00	6,043.9	-465.9	405.0	-405.0	0.00	0.00	
6,200.0	0.00	0.00	6,143.9	-465.9	405.0	-405.0	0.00	0.00	
6,300.0	0.00	0.00	6,243.9	-465.9	405.0	-405.0	0.00	0.00	
6,400.0	0.00	0.00	6,343.9	-465.9	405.0	-405.0	0.00	0.00	
6,500.0	0.00	0.00	6,443.9	-465.9	405.0	-405.0	0.00	0.00	
6,595.9	0.00	0.00	6,539.8	-465.9	405.0	-405.0	0.00	0.00	Start Build 8.00
6,600.0	0.33	270.00	6,543.9	-465.9	405.0	-405.0	8.00	8.00	
6,700.0	8.33	270.00	6,643.6	-465.9	397.5	-397.5	8.00	8.00	
6,800.0	16.33	270.00	6,741.2	-465.9	376.1	-376.1	8.00	8.00	
6,876.2	22.42	270.00	6,813.0	-465.9	350.9	-350.9	8.00	8.00	Sharon Springs
6,900.0	24.33	270.00	6,834.9	-465.9	341.4	-341.4	8.00	8.00	
6,958.4	29.00	270.00	6,887.0	-465.9	315.2	-315.2	8.00	8.00	Niobrara
7,000.0	32.33	270.00	6,922.8	-465.9	294.0	-294.0	8.00	8.00	
7,100.0	40.33	270.00	7,003.3	-465.9	234.8	-234.8	8.00	8.00	
7,130.3	42.75	270.00	7,026.0	-465.9	214.7	-214.7	8.00	8.00	B Chalk
7,168.0	45.77	270.00	7,053.0	-465.9	188.4	-188.4	8.00	8.00	B Marl
7,200.0	48.33	270.00	7,074.8	-465.9	165.0	-165.0	8.00	8.00	
7,217.1	49.70	270.00	7,086.0	-465.9	152.1	-152.1	8.00	8.00	C Chalk
7,279.1	54.66	270.00	7,124.0	-465.9	103.1	-103.1	8.00	8.00	C Marl
7,300.0	56.33	270.00	7,135.9	-465.9	85.9	-85.9	8.00	8.00	
7,400.0	64.33	270.00	7,185.3	-465.9	-0.9	0.9	8.00	8.00	
7,500.0	72.33	270.00	7,222.2	-465.9	-93.8	93.8	8.00	8.00	
7,512.9	73.36	270.00	7,226.0	-465.9	-106.0	106.0	8.00	8.00	Ft. Hayes
7,600.0	80.33	270.00	7,245.8	-465.9	-190.9	190.9	8.00	8.00	
7,601.1	80.41	270.00	7,246.0	-465.9	-191.9	191.9	8.00	8.00	Codell
7,700.0	88.33	270.00	7,255.7	-465.9	-290.3	290.3	8.00	8.00	
7,720.9	90.00	270.00	7,256.0	-465.9	-311.2	311.2	8.00	8.00	LP @ 7256' TVD; 90°
7,800.0	90.00	270.00	7,256.0	-465.9	-390.3	390.3	0.00	0.00	
7,900.0	90.00	270.00	7,256.0	-465.9	-490.3	490.3	0.00	0.00	
8,000.0	90.00	270.00	7,256.0	-465.9	-590.3	590.3	0.00	0.00	
8,100.0	90.00	270.00	7,256.0	-465.9	-690.3	690.3	0.00	0.00	
8,200.0	90.00	270.00	7,256.0	-465.9	-790.3	790.3	0.00	0.00	
8,300.0	90.00	270.00	7,256.0	-465.9	-890.3	890.3	0.00	0.00	
8,400.0	90.00	270.00	7,256.0	-465.9	-990.3	990.3	0.00	0.00	
8,500.0	90.00	270.00	7,256.0	-465.9	-1,090.3	1,090.3	0.00	0.00	
8,600.0	90.00	270.00	7,256.0	-465.9	-1,190.3	1,190.3	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 1D-6H-A368	<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	7,256.0	-465.9	-1,290.3	1,290.3	0.00	0.00	
8,800.0	90.00	270.00	7,256.0	-465.9	-1,390.3	1,390.3	0.00	0.00	
8,900.0	90.00	270.00	7,256.0	-465.9	-1,490.3	1,490.3	0.00	0.00	
9,000.0	90.00	270.00	7,256.0	-465.9	-1,590.3	1,590.3	0.00	0.00	
9,100.0	90.00	270.00	7,256.0	-465.9	-1,690.3	1,690.3	0.00	0.00	
9,200.0	90.00	270.00	7,256.0	-465.9	-1,790.3	1,790.3	0.00	0.00	
9,300.0	90.00	270.00	7,256.0	-465.9	-1,890.3	1,890.3	0.00	0.00	
9,400.0	90.00	270.00	7,256.0	-465.9	-1,990.3	1,990.3	0.00	0.00	
9,500.0	90.00	270.00	7,256.0	-465.9	-2,090.3	2,090.3	0.00	0.00	
9,600.0	90.00	270.00	7,256.0	-465.9	-2,190.3	2,190.3	0.00	0.00	
9,700.0	90.00	270.00	7,256.0	-465.9	-2,290.3	2,290.3	0.00	0.00	
9,800.0	90.00	270.00	7,256.0	-465.9	-2,390.3	2,390.3	0.00	0.00	
9,900.0	90.00	270.00	7,256.0	-465.9	-2,490.3	2,490.3	0.00	0.00	
10,000.0	90.00	270.00	7,256.0	-465.9	-2,590.3	2,590.3	0.00	0.00	
10,100.0	90.00	270.00	7,256.0	-465.9	-2,690.3	2,690.3	0.00	0.00	
10,200.0	90.00	270.00	7,256.0	-465.9	-2,790.3	2,790.3	0.00	0.00	
10,300.0	90.00	270.00	7,256.0	-465.9	-2,890.3	2,890.3	0.00	0.00	
10,400.0	90.00	270.00	7,256.0	-465.9	-2,990.3	2,990.3	0.00	0.00	
10,500.0	90.00	270.00	7,256.0	-465.9	-3,090.3	3,090.3	0.00	0.00	
10,600.0	90.00	270.00	7,256.0	-465.9	-3,190.3	3,190.3	0.00	0.00	
10,700.0	90.00	270.00	7,256.0	-465.9	-3,290.3	3,290.3	0.00	0.00	
10,800.0	90.00	270.00	7,256.0	-465.9	-3,390.3	3,390.3	0.00	0.00	
10,900.0	90.00	270.00	7,256.0	-465.9	-3,490.3	3,490.3	0.00	0.00	
11,000.0	90.00	270.00	7,256.0	-465.9	-3,590.3	3,590.3	0.00	0.00	
11,100.0	90.00	270.00	7,256.0	-465.9	-3,690.3	3,690.3	0.00	0.00	
11,200.0	90.00	270.00	7,256.0	-465.9	-3,790.3	3,790.3	0.00	0.00	
11,300.0	90.00	270.00	7,256.0	-465.9	-3,890.3	3,890.3	0.00	0.00	
11,400.0	90.00	270.00	7,256.0	-465.9	-3,990.3	3,990.3	0.00	0.00	
11,500.0	90.00	270.00	7,256.0	-465.9	-4,090.3	4,090.3	0.00	0.00	
11,600.0	90.00	270.00	7,256.0	-465.9	-4,190.3	4,190.3	0.00	0.00	
11,679.8	90.00	270.00	7,256.0	-465.9	-4,270.1	4,270.1	0.00	0.00	TD at 11679.8 - Drieth 1D-6H PBHL

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Drieth 1D-6H PBHL - plan hits target center - Point	0.00	0.00	7,256.0	-465.9	-4,270.1	1,337,446.17	3,124,633.52	40.258820	-105.053450

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>North Reference:</b>	True
<b>Well:</b>	Drieth 1D-6H-A368	<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 (°)	
299.0	299.0	Fox Hills - BASE				
3,575.5	3,523.0	Sussex				
3,886.1	3,831.0	Sussex Marker				
4,147.9	4,092.0	Shannon				
6,055.1	5,999.0	Teepee Buttes (*if present)				
6,876.2	6,813.0	Sharon Springs				
6,958.4	6,887.0	Niobrara				
7,130.3	7,026.0	B Chalk				
7,168.0	7,053.0	B Marl				
7,217.1	7,086.0	C Chalk				
7,279.1	7,124.0	C Marl				
7,512.9	7,226.0	Ft. Hayes				
7,601.1	7,246.0	Codell				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
300.0	300.0	0.0	0.0	KOP @ 300'	
1,500.0	1,491.2	-94.5	82.1	EOB; Inc=12°	
3,265.0	3,217.7	-371.4	322.9	Start Drop -1.00	
4,465.0	4,408.9	-465.9	405.0	EOD; Inc=0°	
6,595.9	6,539.8	-465.9	405.0	Start Build 8.00	
7,720.9	7,256.0	-465.9	-311.2	LP @ 7256' TVD; 90°	
11,679.8	7,256.0	-465.9	-4,270.1	TD at 11679.8	

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

**DJ Wattenberg**

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

**Drieth 1D-6H-A368**

**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 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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	11,679.8	Plan #1 (Hz)	MWD	Geolink MWD

<b>Summary</b>						
<b>Site Name</b>	<b>Reference Measured Depth (ft)</b>	<b>Offset Measured Depth (ft)</b>	<b>Distance Between Centres (ft)</b>	<b>Distance Between Ellipses (ft)</b>	<b>Separation Factor</b>	<b>Warning</b>
<b>Offset Well - Wellbore - Design</b>						
S6-T3N-R68W (Zisch/Drieth 1)						
Breakneck Properties 21-6 - DD - Plan #1						Out of range
Drieth 1A-6H-A368 - Hz - Plan #1	166.3	167.3	29.1	28.6	54.273	CC
Drieth 1A-6H-A368 - Hz - Plan #1	200.0	201.0	29.1	28.5	44.528	ES
Drieth 1A-6H-A368 - Hz - Plan #1	500.0	499.4	38.2	36.5	22.411	SF
Drieth 1B-6H-A368 - Hz - Plan #1	266.3	267.3	21.9	21.0	24.669	CC
Drieth 1B-6H-A368 - Hz - Plan #1	300.0	301.0	21.9	20.9	21.780	ES
Drieth 1B-6H-A368 - Hz - Plan #1	600.0	600.1	31.5	29.5	15.248	SF
Drieth 1C-6H-A368 - Hz - Plan #1	300.0	300.0	10.9	9.9	10.909	CC, ES
Drieth 1C-6H-A368 - Hz - Plan #1	11,680.6	11,433.4	413.2	225.5	2.201	SF
Drieth 1E-6H-A368 - Hz - Plan #1	200.0	200.0	10.9	10.3	16.742	CC, ES
Drieth 1E-6H-A368 - Hz - Plan #1	11,680.6	11,500.4	413.2	225.2	2.198	SF
SUMMER 6-1 (EXISTING) - EXISTING - NO SURVEYS						Out of range



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1A-6H-A368 - 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	0.00	29.1	0.0	29.1					
100.0	100.0	101.0	101.0	0.2	0.2	0.00	29.1	0.0	29.1	28.8	0.31	95.415		
166.3	166.3	167.3	167.3	0.3	0.3	0.00	29.1	0.0	29.1	28.6	0.54	54.273 CC		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	29.1	0.0	29.1	28.5	0.65	44.528 ES		
300.0	300.0	300.6	300.6	0.5	0.5	0.99	29.9	0.5	29.9	28.9	1.00	29.784		
400.0	400.0	400.0	400.0	0.7	0.7	-136.41	32.0	2.0	32.7	31.3	1.35	24.161		
500.0	500.0	499.4	499.3	0.9	0.9	-135.52	35.5	4.6	38.2	36.5	1.71	22.411 SF		
600.0	599.9	598.4	598.1	1.0	1.1	-135.24	40.4	8.1	46.5	44.4	2.07	22.513		
700.0	699.7	697.1	696.5	1.2	1.3	-135.33	46.7	12.5	57.5	55.0	2.43	23.613		
800.0	799.4	795.2	794.1	1.4	1.5	-135.61	54.3	18.0	71.1	68.3	2.81	25.282		
900.0	898.9	892.7	891.1	1.7	1.7	-135.94	63.2	24.3	87.4	84.2	3.20	27.277		
1,000.0	998.3	989.6	987.1	1.9	2.0	-136.27	73.3	31.6	106.3	102.7	3.61	29.451		
1,100.0	1,097.4	1,085.6	1,082.1	2.2	2.3	-136.57	84.7	39.8	127.9	123.8	4.03	31.707		
1,200.0	1,196.3	1,180.7	1,175.9	2.5	2.6	-136.83	97.2	48.7	152.0	147.5	4.47	33.982		
1,300.0	1,294.9	1,274.8	1,268.5	2.8	2.9	-137.05	110.9	58.5	178.7	173.8	4.93	36.232		
1,400.0	1,393.3	1,367.9	1,359.8	3.1	3.3	-137.22	125.6	69.0	207.9	202.5	5.41	38.428		
1,500.0	1,491.2	1,459.8	1,449.6	3.5	3.6	-137.35	141.3	80.3	239.6	233.7	5.91	40.553		
1,600.0	1,589.1	1,550.7	1,538.2	3.9	4.0	-137.56	158.0	92.2	273.2	266.7	6.43	42.502		
1,700.0	1,686.9	1,640.7	1,625.6	4.3	4.4	-137.55	175.6	104.9	307.9	301.0	6.96	44.266		
1,800.0	1,784.7	1,731.4	1,713.2	4.7	4.8	-137.41	194.5	118.4	343.8	336.3	7.50	45.862		
1,900.0	1,882.5	1,824.6	1,803.3	5.1	5.3	-137.27	214.1	132.4	380.0	371.9	8.05	47.208		
2,000.0	1,980.3	1,917.8	1,893.3	5.5	5.7	-137.14	233.7	146.5	416.1	407.5	8.60	48.360		
2,100.0	2,078.1	2,011.1	1,983.4	5.8	6.2	-137.04	253.3	160.5	452.3	443.1	9.16	49.356		
2,200.0	2,175.9	2,104.3	2,073.4	6.2	6.6	-136.96	273.0	174.6	488.4	478.7	9.72	50.223		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1B-6H-A368 - 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	0.00	21.9	0.0	21.9					
100.0	100.0	101.0	101.0	0.2	0.2	0.00	21.9	0.0	21.9	21.6	0.31	71.562		
200.0	200.0	201.0	201.0	0.3	0.3	0.00	21.9	0.0	21.9	21.2	0.65	33.395		
266.3	266.3	267.3	267.3	0.4	0.4	0.00	21.9	0.0	21.9	21.0	0.89	24.669 CC		
300.0	300.0	301.0	301.0	0.5	0.5	0.00	21.9	0.0	21.9	20.9	1.00	21.780 ES		
400.0	400.0	400.8	400.8	0.7	0.7	-138.46	22.3	0.8	22.9	21.6	1.35	16.949		
500.0	500.0	500.5	500.5	0.9	0.9	-137.19	23.5	3.1	26.2	24.4	1.71	15.326		
600.0	599.9	600.1	600.0	1.0	1.0	-135.65	25.5	6.9	31.5	29.5	2.07	15.248 SF		
700.0	699.7	699.5	699.2	1.2	1.2	-134.21	28.4	12.3	39.1	36.6	2.44	16.003		
800.0	799.4	798.6	798.0	1.4	1.4	-133.01	32.0	19.1	48.8	46.0	2.83	17.225		
900.0	898.9	897.4	896.3	1.7	1.7	-132.05	36.5	27.5	60.7	57.4	3.24	18.702		
1,000.0	998.3	995.7	994.0	1.9	1.9	-131.30	41.7	37.3	74.7	71.0	3.68	20.302		
1,100.0	1,097.4	1,093.6	1,091.1	2.2	2.2	-130.69	47.6	48.5	90.8	86.6	4.14	21.941		
1,200.0	1,196.3	1,190.9	1,187.3	2.5	2.5	-130.20	54.3	61.0	109.0	104.4	4.63	23.563		
1,300.0	1,294.9	1,287.7	1,282.8	2.8	2.8	-129.80	61.7	75.0	129.3	124.2	5.15	25.133		
1,400.0	1,393.3	1,383.7	1,377.3	3.1	3.1	-129.45	69.8	90.2	151.7	146.0	5.70	26.630		
1,500.0	1,491.2	1,479.1	1,470.7	3.5	3.4	-129.14	78.6	106.7	176.2	169.9	6.28	28.041		
1,600.0	1,589.1	1,575.3	1,564.9	3.9	3.8	-128.99	88.0	124.4	201.8	194.9	6.89	29.297		
1,700.0	1,686.9	1,672.0	1,659.5	4.3	4.2	-128.87	97.4	142.1	227.5	220.0	7.50	30.314		
1,800.0	1,784.7	1,768.6	1,754.0	4.7	4.6	-128.77	106.9	159.9	253.1	245.0	8.13	31.154		
1,900.0	1,882.5	1,865.3	1,848.5	5.1	4.9	-128.69	116.3	177.6	278.8	270.0	8.75	31.855		
2,000.0	1,980.3	1,961.9	1,943.1	5.5	5.3	-128.62	125.7	195.3	304.5	295.1	9.38	32.449		
2,100.0	2,078.1	2,058.6	2,037.6	5.8	5.7	-128.56	135.2	213.1	330.1	320.1	10.02	32.957		
2,200.0	2,175.9	2,155.2	2,132.1	6.2	6.1	-128.51	144.6	230.8	355.8	345.1	10.65	33.397		
2,300.0	2,273.8	2,251.9	2,226.7	6.6	6.5	-128.47	154.0	248.6	381.5	370.2	11.29	33.780		
2,400.0	2,371.6	2,348.5	2,321.2	7.0	6.9	-128.43	163.5	266.3	407.1	395.2	11.93	34.117		
2,500.0	2,469.4	2,445.2	2,415.8	7.4	7.2	-128.40	172.9	284.1	432.8	420.2	12.58	34.416		
2,600.0	2,567.2	2,546.0	2,514.5	7.8	7.6	-128.44	182.4	302.0	458.1	444.9	13.22	34.656		
2,700.0	2,665.0	2,648.1	2,614.8	8.2	8.0	-128.64	191.3	318.6	482.3	468.5	13.85	34.837		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1C-6H-A368 - 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	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		
300.0	300.0	300.0	300.0	0.5	0.5	0.00	10.9	0.0	10.9	9.9	1.00	10.909 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	-141.82	10.9	0.0	11.6	10.3	1.35	8.587		
500.0	500.0	500.1	500.1	0.9	0.9	-145.24	10.7	0.8	13.4	11.7	1.70	7.863		
600.0	599.9	600.1	600.1	1.0	1.0	-145.55	9.9	3.3	15.9	13.9	2.06	7.735		
700.0	699.7	700.2	700.1	1.2	1.2	-143.94	8.6	7.5	19.2	16.8	2.42	7.917		
800.0	799.4	800.2	799.9	1.4	1.4	-141.38	6.7	13.3	23.2	20.4	2.80	8.278		
900.0	898.9	900.3	899.6	1.7	1.6	-138.49	4.4	20.8	28.1	24.9	3.21	8.742		
1,000.0	998.3	1,000.2	999.1	1.9	1.8	-135.62	1.5	30.0	33.8	30.1	3.65	9.257		
1,100.0	1,097.4	1,100.1	1,098.4	2.2	2.1	-132.94	-1.9	40.7	40.4	36.3	4.13	9.788		
1,200.0	1,196.3	1,200.0	1,197.4	2.5	2.3	-130.52	-5.8	53.2	47.9	43.3	4.65	10.307		
1,300.0	1,294.9	1,299.7	1,296.0	2.8	2.6	-128.37	-10.3	67.2	56.4	51.1	5.22	10.800		
1,400.0	1,393.3	1,399.4	1,394.3	3.1	2.9	-126.47	-15.2	82.9	65.7	59.9	5.84	11.258		
1,500.0	1,491.2	1,498.8	1,492.3	3.5	3.3	-125.43	-20.4	99.4	76.1	69.6	6.48	11.737		
1,600.0	1,589.1	1,598.3	1,590.2	3.9	3.6	-125.18	-25.6	115.8	86.9	79.8	7.13	12.192		
1,700.0	1,686.9	1,697.7	1,688.1	4.3	3.9	-124.99	-30.8	132.3	97.8	90.0	7.79	12.557		
1,800.0	1,784.7	1,797.1	1,786.0	4.7	4.3	-124.83	-36.0	148.8	108.7	100.2	8.45	12.855		
1,900.0	1,882.5	1,896.5	1,883.9	5.1	4.6	-124.71	-41.2	165.2	119.6	110.4	9.13	13.101		
2,000.0	1,980.3	1,995.9	1,981.8	5.5	4.9	-124.60	-46.4	181.7	130.4	120.6	9.80	13.308		
2,100.0	2,078.1	2,095.3	2,079.7	5.8	5.3	-124.51	-51.6	198.2	141.3	130.8	10.48	13.484		
2,200.0	2,175.9	2,194.7	2,177.6	6.2	5.6	-124.44	-56.7	214.6	152.2	141.0	11.16	13.635		
2,300.0	2,273.8	2,294.1	2,275.4	6.6	6.0	-124.37	-61.9	231.1	163.0	151.2	11.84	13.766		
2,400.0	2,371.6	2,393.5	2,373.3	7.0	6.3	-124.31	-67.1	247.6	173.9	161.4	12.53	13.881		
2,500.0	2,469.4	2,492.9	2,471.2	7.4	6.6	-124.26	-72.3	264.0	184.8	171.6	13.22	13.982		
2,600.0	2,567.2	2,592.3	2,569.1	7.8	7.0	-124.22	-77.5	280.5	195.7	181.8	13.90	14.072		
2,700.0	2,665.0	2,691.7	2,667.0	8.2	7.3	-124.18	-82.7	296.9	206.5	191.9	14.59	14.152		
2,800.0	2,762.8	2,791.1	2,764.9	8.6	7.7	-124.14	-87.9	313.4	217.4	202.1	15.28	14.224		
2,900.0	2,860.7	2,890.4	2,862.8	9.0	8.0	-124.19	-93.0	329.5	228.3	212.3	15.96	14.303		
3,000.0	2,958.5	2,989.5	2,960.7	9.4	8.3	-124.61	-97.6	344.2	239.3	222.7	16.58	14.429		
3,100.0	3,056.3	3,088.6	3,058.8	9.8	8.6	-125.39	-101.7	357.2	250.4	233.2	17.15	14.597		
3,200.0	3,154.1	3,187.4	3,156.9	10.2	8.9	-126.48	-105.3	368.5	261.7	244.1	17.67	14.812		
3,300.0	3,251.9	3,286.1	3,255.0	10.6	9.1	-127.84	-108.3	378.3	273.3	255.1	18.13	15.074		
3,400.0	3,350.0	3,384.6	3,353.2	11.0	9.3	-129.28	-110.9	386.4	284.3	265.8	18.53	15.347		
3,500.0	3,448.5	3,483.1	3,451.4	11.4	9.5	-130.67	-112.9	392.8	294.7	275.8	18.88	15.613		
3,600.0	3,547.2	3,581.5	3,549.7	11.7	9.7	-132.04	-114.5	397.7	304.4	285.2	19.17	15.874		
3,700.0	3,646.2	3,679.8	3,647.9	12.0	9.8	-133.39	-115.5	401.0	313.3	293.9	19.42	16.132		
3,800.0	3,745.4	3,778.0	3,746.1	12.2	9.9	-134.74	-116.0	402.6	321.6	302.0	19.63	16.388		
3,900.0	3,844.8	3,876.7	3,844.8	12.5	10.1	-136.06	-116.1	402.9	329.2	309.4	19.80	16.628		
4,000.0	3,944.4	3,976.3	3,944.4	12.7	10.2	-137.17	-116.1	402.9	335.8	315.8	19.98	16.806		
4,100.0	4,044.2	4,076.0	4,044.2	12.9	10.3	-138.03	-116.1	402.9	341.1	320.9	20.17	16.911		
4,200.0	4,144.0	4,175.9	4,144.0	13.0	10.4	-138.66	-116.1	402.9	345.2	324.9	20.38	16.942		
4,300.0	4,243.9	4,275.8	4,243.9	13.2	10.5	-139.09	-116.1	402.9	348.1	327.5	20.59	16.900		
4,400.0	4,343.9	4,375.8	4,343.9	13.3	10.7	-139.32	-116.1	402.9	349.6	328.7	20.82	16.786		
4,500.0	4,443.9	4,475.8	4,443.9	13.4	10.8	-0.36	-116.1	402.9	349.9	330.4	19.46	17.977		
4,600.0	4,543.9	4,575.8	4,543.9	13.5	10.9	-0.36	-116.1	402.9	349.9	330.1	19.75	17.714		
4,700.0	4,643.9	4,675.8	4,643.9	13.6	11.0	-0.36	-116.1	402.9	349.9	329.8	20.04	17.457		
4,800.0	4,743.9	4,775.8	4,743.9	13.7	11.2	-0.36	-116.1	402.9	349.9	329.5	20.33	17.206		
4,900.0	4,843.9	4,875.8	4,843.9	13.8	11.3	-0.36	-116.1	402.9	349.9	329.2	20.63	16.961		
5,000.0	4,943.9	4,975.8	4,943.9	13.9	11.4	-0.36	-116.1	402.9	349.9	328.9	20.92	16.722		
5,100.0	5,043.9	5,075.8	5,043.9	14.0	11.6	-0.36	-116.1	402.9	349.9	328.6	21.22	16.488		

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 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1C-6H-A368 - 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	5,143.9	5,175.8	5,143.9	14.1	11.7	-0.36	-116.1	402.9	349.9	328.3	21.52	16.260		
5,300.0	5,243.9	5,275.8	5,243.9	14.2	11.8	-0.36	-116.1	402.9	349.9	328.0	21.82	16.037		
5,400.0	5,343.9	5,375.8	5,343.9	14.4	12.0	-0.36	-116.1	402.9	349.9	327.7	22.12	15.819		
5,500.0	5,443.9	5,475.8	5,443.9	14.5	12.1	-0.36	-116.1	402.9	349.9	327.4	22.42	15.606		
5,600.0	5,543.9	5,575.8	5,543.9	14.6	12.2	-0.36	-116.1	402.9	349.9	327.1	22.72	15.398		
5,700.0	5,643.9	5,675.8	5,643.9	14.7	12.4	-0.36	-116.1	402.9	349.9	326.8	23.02	15.195		
5,800.0	5,743.9	5,775.8	5,743.9	14.8	12.5	-0.36	-116.1	402.9	349.9	326.5	23.33	14.996		
5,900.0	5,843.9	5,875.8	5,843.9	14.9	12.7	-0.36	-116.1	402.9	349.9	326.2	23.64	14.802		
6,000.0	5,943.9	5,975.8	5,943.9	15.1	12.8	-0.36	-116.1	402.9	349.9	325.9	23.94	14.612		
6,100.0	6,043.9	6,075.8	6,043.9	15.2	12.9	-0.36	-116.1	402.9	349.9	325.6	24.25	14.426		
6,200.0	6,143.9	6,175.8	6,143.9	15.3	13.1	-0.36	-116.1	402.9	349.9	325.3	24.56	14.244		
6,300.0	6,243.9	6,275.8	6,243.9	15.4	13.2	-0.36	-116.1	402.9	349.9	325.0	24.87	14.067		
6,357.1	6,301.1	6,332.9	6,301.1	15.5	13.3	-0.36	-116.1	402.9	349.9	324.8	25.05	13.967		
6,400.0	6,343.9	6,375.7	6,343.8	15.6	13.4	-0.42	-116.1	402.5	349.9	324.7	25.19	13.890		
6,500.0	6,443.9	6,474.2	6,441.7	15.7	13.4	-2.07	-116.1	392.4	350.1	324.4	25.66	13.645		
6,600.0	6,543.9	6,568.3	6,533.1	15.8	13.3	84.33	-116.1	370.4	351.7	325.7	26.07	13.492		
6,700.0	6,643.6	6,657.8	6,616.7	15.9	13.1	79.90	-116.1	338.4	355.8	330.2	25.57	13.918		
6,800.0	6,741.2	6,744.6	6,693.3	15.8	13.0	75.78	-116.1	297.8	361.7	336.7	25.03	14.453		
6,900.0	6,834.9	6,829.0	6,762.6	15.7	12.8	72.03	-116.1	249.6	368.8	344.3	24.54	15.029		
7,000.0	6,922.8	6,911.6	6,824.4	15.5	12.6	68.70	-116.1	194.9	376.7	352.5	24.19	15.575		
7,100.0	7,003.3	6,992.6	6,878.5	15.3	12.6	65.82	-116.1	134.7	384.7	360.7	24.02	16.018		
7,200.0	7,074.8	7,072.2	6,924.8	15.2	12.7	63.39	-116.1	70.0	392.3	368.2	24.11	16.274		
7,300.0	7,135.9	7,150.0	6,962.8	15.2	13.1	61.43	-116.1	2.1	399.2	374.7	24.46	16.319		
7,400.0	7,185.3	7,228.6	6,993.5	15.3	13.7	59.88	-116.1	-70.2	405.0	379.7	25.21	16.062		
7,500.0	7,222.2	7,305.7	7,015.7	15.8	14.6	58.78	-116.1	-144.0	409.3	383.0	26.34	15.543		
7,600.0	7,245.8	7,382.5	7,029.8	16.7	15.6	58.10	-116.1	-219.4	412.1	384.3	27.87	14.787		
7,700.0	7,255.7	7,459.0	7,035.8	18.1	16.8	57.84	-116.1	-295.7	413.2	383.5	29.78	13.875		
7,800.0	7,256.0	7,553.6	7,036.0	19.7	18.5	57.83	-116.1	-390.3	413.3	380.7	32.56	12.693		
7,900.0	7,256.0	7,653.6	7,036.0	21.5	20.3	57.83	-116.1	-490.3	413.2	377.5	35.71	11.571		
8,000.0	7,256.0	7,753.6	7,036.0	23.4	22.3	57.83	-116.1	-590.3	413.2	374.2	39.07	10.578		
8,100.0	7,256.0	7,853.6	7,036.0	25.5	24.4	57.83	-116.1	-690.3	413.2	370.7	42.57	9.707		
8,200.0	7,256.0	7,953.6	7,036.0	27.5	26.6	57.83	-116.1	-790.3	413.2	367.1	46.19	8.947		
8,300.0	7,256.0	8,053.6	7,036.0	29.7	28.8	57.83	-116.1	-890.3	413.2	363.3	49.90	8.282		
8,400.0	7,256.0	8,153.6	7,036.0	31.9	31.0	57.83	-116.1	-990.3	413.2	359.6	53.68	7.698		
8,500.0	7,256.0	8,253.6	7,036.0	34.1	33.3	57.83	-116.1	-1,090.3	413.2	355.7	57.52	7.185		
8,600.0	7,256.0	8,353.6	7,036.0	36.4	35.6	57.83	-116.1	-1,190.3	413.2	351.8	61.40	6.730		
8,700.0	7,256.0	8,453.6	7,036.0	38.7	37.9	57.83	-116.1	-1,290.3	413.2	347.9	65.32	6.326		
8,800.0	7,256.0	8,553.6	7,036.0	41.0	40.3	57.83	-116.1	-1,390.3	413.2	343.9	69.28	5.965		
8,900.0	7,256.0	8,653.6	7,036.0	43.3	42.6	57.83	-116.1	-1,490.3	413.2	340.0	73.26	5.641		
9,000.0	7,256.0	8,753.6	7,036.0	45.7	45.0	57.83	-116.1	-1,590.3	413.2	336.0	77.26	5.348		
9,100.0	7,256.0	8,853.6	7,036.0	48.0	47.4	57.83	-116.1	-1,690.3	413.2	331.9	81.29	5.083		
9,200.0	7,256.0	8,953.6	7,036.0	50.4	49.8	57.83	-116.1	-1,790.3	413.2	327.9	85.33	4.843		
9,300.0	7,256.0	9,053.6	7,036.0	52.8	52.2	57.83	-116.1	-1,890.3	413.2	323.8	89.38	4.623		
9,400.0	7,256.0	9,153.6	7,036.0	55.2	54.6	57.83	-116.1	-1,990.3	413.2	319.8	93.45	4.422		
9,500.0	7,256.0	9,253.6	7,036.0	57.6	57.0	57.83	-116.1	-2,090.3	413.2	315.7	97.52	4.237		
9,600.0	7,256.0	9,353.6	7,036.0	60.0	59.4	57.83	-116.1	-2,190.3	413.2	311.6	101.61	4.067		
9,700.0	7,256.0	9,453.6	7,036.0	62.4	61.8	57.83	-116.2	-2,290.3	413.2	307.5	105.71	3.909		
9,800.0	7,256.0	9,553.6	7,036.0	64.8	64.2	57.83	-116.2	-2,390.3	413.2	303.4	109.81	3.763		
9,900.0	7,256.0	9,653.6	7,036.0	67.2	66.7	57.83	-116.2	-2,490.3	413.2	299.3	113.92	3.627		
10,000.0	7,256.0	9,753.6	7,036.0	69.6	69.1	57.83	-116.2	-2,590.3	413.2	295.2	118.03	3.501		
10,100.0	7,256.0	9,853.6	7,036.0	72.0	71.5	57.83	-116.2	-2,690.3	413.2	291.0	122.15	3.383		
10,200.0	7,256.0	9,953.6	7,036.0	74.5	74.0	57.83	-116.2	-2,790.3	413.2	286.9	126.28	3.272		

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 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1C-6H-A368 - 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 (°)	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)				
10,300.0	7,256.0	10,053.6	7,036.0	76.9	76.4	57.83	-116.2	-2,890.3	413.2	282.8	130.41	3.168		
10,400.0	7,256.0	10,153.6	7,036.0	79.3	78.8	57.83	-116.2	-2,990.3	413.2	278.6	134.54	3.071		
10,500.0	7,256.0	10,253.6	7,036.0	81.8	81.3	57.83	-116.2	-3,090.3	413.2	274.5	138.68	2.979		
10,600.0	7,256.0	10,353.6	7,036.0	84.2	83.7	57.83	-116.2	-3,190.3	413.2	270.4	142.82	2.893		
10,700.0	7,256.0	10,453.6	7,036.0	86.6	86.2	57.83	-116.2	-3,290.3	413.2	266.2	146.96	2.811		
10,800.0	7,256.0	10,553.6	7,036.0	89.1	88.6	57.83	-116.2	-3,390.3	413.2	262.1	151.11	2.734		
10,900.0	7,256.0	10,653.6	7,036.0	91.5	91.1	57.83	-116.2	-3,490.3	413.2	257.9	155.26	2.661		
11,000.0	7,256.0	10,753.6	7,036.0	94.0	93.5	57.83	-116.2	-3,590.3	413.2	253.8	159.41	2.592		
11,100.0	7,256.0	10,853.6	7,036.0	96.4	96.0	57.83	-116.2	-3,690.3	413.2	249.6	163.56	2.526		
11,200.0	7,256.0	10,953.6	7,036.0	98.9	98.4	57.83	-116.2	-3,790.3	413.2	245.5	167.72	2.464		
11,300.0	7,256.0	11,053.6	7,036.0	101.3	100.9	57.83	-116.2	-3,890.3	413.2	241.3	171.87	2.404		
11,400.0	7,256.0	11,153.6	7,036.0	103.8	103.4	57.83	-116.2	-3,990.3	413.2	237.1	176.03	2.347		
11,500.0	7,256.0	11,253.6	7,036.0	106.2	105.8	57.83	-116.2	-4,090.3	413.2	233.0	180.19	2.293		
11,600.0	7,256.0	11,353.6	7,036.0	108.7	108.3	57.83	-116.2	-4,190.3	413.2	228.8	184.36	2.241		
11,658.9	7,256.0	11,412.5	7,036.0	110.1	109.7	57.83	-116.2	-4,249.2	413.2	226.4	186.81	2.212		
11,680.6	7,256.0	11,433.4	7,036.0	110.6	110.2	57.83	-116.2	-4,270.0	413.2	225.5	187.69	2.201 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1E-6H-A368 - 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	-180.00	-10.9	0.0	10.9					
100.0	100.0	100.0	100.0	0.2	0.2	-180.00	-10.9	0.0	10.9	10.6	0.30	35.986		
200.0	200.0	200.0	200.0	0.3	0.3	-180.00	-10.9	0.0	10.9	10.3	0.65	16.742 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	178.10	-11.7	0.4	11.7	10.7	1.00	11.687		
400.0	400.0	399.6	399.6	0.7	0.7	36.78	-14.0	1.6	13.4	12.1	1.35	9.932		
500.0	500.0	499.4	499.2	0.9	0.9	36.43	-17.9	3.5	15.4	13.6	1.70	9.013		
600.0	599.9	599.1	598.7	1.0	1.1	37.41	-23.4	6.2	17.5	15.4	2.06	8.492		
700.0	699.7	698.7	698.1	1.2	1.3	39.26	-30.3	9.7	19.9	17.4	2.43	8.188		
800.0	799.4	798.4	797.3	1.4	1.5	41.63	-38.8	14.0	22.5	19.7	2.81	8.010		
900.0	898.9	898.0	896.2	1.7	1.8	44.30	-48.9	19.0	25.4	22.2	3.21	7.908		
1,000.0	998.3	997.5	994.9	1.9	2.0	47.09	-60.5	24.8	28.6	25.0	3.65	7.847		
1,100.0	1,097.4	1,097.0	1,093.3	2.2	2.3	49.88	-73.6	31.4	32.2	28.1	4.12	7.806		
1,200.0	1,196.3	1,196.4	1,191.4	2.5	2.7	52.59	-88.2	38.7	36.1	31.5	4.65	7.771		
1,300.0	1,294.9	1,295.8	1,289.1	2.8	3.0	55.18	-104.3	46.8	40.4	35.2	5.22	7.737		
1,400.0	1,393.3	1,395.1	1,386.5	3.1	3.4	57.61	-122.0	55.6	45.1	39.3	5.86	7.700		
1,500.0	1,491.2	1,494.4	1,483.4	3.5	3.8	59.88	-141.1	65.2	50.2	43.7	6.56	7.659		
1,600.0	1,589.1	1,593.6	1,579.9	3.9	4.2	61.25	-161.7	75.5	56.1	48.9	7.27	7.722		
1,700.0	1,686.9	1,692.6	1,675.8	4.3	4.7	61.19	-183.8	86.6	63.2	55.3	7.96	7.947		
1,800.0	1,784.7	1,792.3	1,772.0	4.7	5.1	60.56	-206.8	98.1	71.0	62.4	8.62	8.235		
1,900.0	1,882.5	1,892.0	1,868.3	5.1	5.6	60.05	-229.9	109.7	78.8	69.5	9.30	8.478		
2,000.0	1,980.3	1,991.7	1,964.6	5.5	6.1	59.63	-253.0	121.2	86.6	76.6	9.97	8.687		
2,100.0	2,078.1	2,091.3	2,060.9	5.8	6.5	59.28	-276.1	132.8	94.4	83.8	10.65	8.867		
2,200.0	2,175.9	2,191.0	2,157.2	6.2	7.0	58.98	-299.1	144.3	102.2	90.9	11.33	9.025		
2,300.0	2,273.8	2,290.7	2,253.5	6.6	7.5	58.73	-322.2	155.9	110.0	98.0	12.01	9.163		
2,400.0	2,371.6	2,390.4	2,349.8	7.0	8.0	58.51	-345.3	167.4	117.8	105.1	12.69	9.285		
2,500.0	2,469.4	2,490.1	2,446.1	7.4	8.4	58.32	-368.3	179.0	125.6	112.3	13.37	9.395		
2,600.0	2,567.2	2,589.8	2,542.4	7.8	8.9	58.15	-391.4	190.5	133.4	119.4	14.06	9.493		
2,700.0	2,665.0	2,689.5	2,638.7	8.2	9.4	58.00	-414.5	202.1	141.2	126.5	14.74	9.581		
2,800.0	2,762.8	2,789.2	2,735.0	8.6	9.9	57.86	-437.6	213.6	149.1	133.6	15.43	9.661		
2,900.0	2,860.7	2,888.9	2,831.3	9.0	10.3	57.74	-460.6	225.2	156.9	140.8	16.12	9.734		
3,000.0	2,958.5	2,988.6	2,927.6	9.4	10.8	57.63	-483.7	236.7	164.7	147.9	16.80	9.800		
3,100.0	3,056.3	3,088.3	3,023.9	9.8	11.3	57.53	-506.8	248.3	172.5	155.0	17.49	9.861		
3,200.0	3,154.1	3,188.0	3,120.2	10.2	11.8	57.44	-529.8	259.9	180.3	162.1	18.18	9.918		
3,300.0	3,251.9	3,287.7	3,216.5	10.6	12.3	57.35	-552.9	271.4	188.2	169.3	18.87	9.975		
3,400.0	3,350.0	3,387.3	3,312.7	11.0	12.8	56.98	-576.0	283.0	196.8	177.3	19.47	10.108		
3,500.0	3,448.5	3,486.8	3,408.8	11.4	13.2	56.25	-599.0	294.5	206.4	186.4	19.98	10.332		
3,600.0	3,547.2	3,586.1	3,504.8	11.7	13.7	55.22	-622.0	306.0	217.0	196.6	20.39	10.644		
3,700.0	3,646.2	3,685.8	3,601.1	12.0	14.2	53.94	-645.0	317.5	228.7	208.0	20.71	11.043		
3,800.0	3,745.4	3,788.2	3,700.2	12.2	14.7	52.60	-667.7	328.9	240.7	219.7	20.97	11.477		
3,900.0	3,844.8	3,890.8	3,800.1	12.5	15.1	51.32	-688.8	339.5	252.4	231.2	21.19	11.914		
4,000.0	3,944.4	3,993.7	3,900.7	12.7	15.5	50.09	-708.4	349.3	264.0	242.6	21.37	12.353		
4,100.0	4,044.2	4,096.9	4,001.9	12.9	15.9	48.90	-726.4	358.3	275.3	253.8	21.52	12.795		
4,200.0	4,144.0	4,200.3	4,103.7	13.0	16.2	47.75	-742.8	366.5	286.4	264.8	21.63	13.242		
4,300.0	4,243.9	4,304.0	4,206.0	13.2	16.6	46.62	-757.6	373.9	297.3	275.6	21.71	13.693		
4,400.0	4,343.9	4,407.9	4,308.9	13.3	16.9	45.51	-770.7	380.5	308.0	286.3	21.77	14.150		
4,500.0	4,443.9	4,512.1	4,412.3	13.4	17.1	-176.60	-782.2	386.2	318.4	292.1	26.36	12.081		
4,600.0	4,543.9	4,616.7	4,516.3	13.5	17.4	-177.57	-792.1	391.2	327.6	300.7	26.91	12.176		
4,700.0	4,643.9	4,721.6	4,620.8	13.6	17.6	-178.33	-800.3	395.3	335.3	307.9	27.39	12.242		
4,800.0	4,743.9	4,826.9	4,725.8	13.7	17.8	-178.91	-806.8	398.5	341.4	313.6	27.81	12.277		
4,900.0	4,843.9	4,932.4	4,831.2	13.8	17.9	-179.32	-811.6	400.9	345.9	317.7	28.17	12.279		
5,000.0	4,943.9	5,038.0	4,936.8	13.9	18.1	-179.58	-814.6	402.5	348.8	320.3	28.47	12.248		
5,100.0	5,043.9	5,143.8	5,042.5	14.0	18.2	-179.68	-815.9	403.1	350.0	321.3	28.73	12.181		

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 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1E-6H-A368 - 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		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,200.0	5,143.9	5,245.2	5,143.9	14.1	18.2	-179.69	-816.0	403.1	350.0	321.1	28.96	12.088		
5,300.0	5,243.9	5,345.2	5,243.9	14.2	18.3	-179.69	-816.0	403.1	350.0	320.9	29.18	11.995		
5,400.0	5,343.9	5,445.2	5,343.9	14.4	18.4	-179.69	-816.0	403.1	350.0	320.6	29.41	11.901		
5,500.0	5,443.9	5,545.2	5,443.9	14.5	18.5	-179.69	-816.0	403.1	350.0	320.4	29.64	11.809		
5,600.0	5,543.9	5,645.2	5,543.9	14.6	18.6	-179.69	-816.0	403.1	350.0	320.2	29.87	11.717		
5,700.0	5,643.9	5,745.2	5,643.9	14.7	18.7	-179.69	-816.0	403.1	350.0	319.9	30.11	11.625		
5,800.0	5,743.9	5,845.2	5,743.9	14.8	18.8	-179.69	-816.0	403.1	350.0	319.7	30.35	11.535		
5,900.0	5,843.9	5,945.2	5,843.9	14.9	18.9	-179.69	-816.0	403.1	350.0	319.4	30.59	11.444		
6,000.0	5,943.9	6,045.2	5,943.9	15.1	19.0	-179.69	-816.0	403.1	350.0	319.2	30.83	11.355		
6,100.0	6,043.9	6,145.2	6,043.9	15.2	19.1	-179.69	-816.0	403.1	350.0	319.0	31.07	11.266		
6,200.0	6,143.9	6,245.2	6,143.9	15.3	19.2	-179.69	-816.0	403.1	350.0	318.7	31.32	11.178		
6,300.0	6,243.9	6,345.2	6,243.9	15.4	19.3	-179.69	-816.0	403.1	350.0	318.5	31.56	11.090		
6,357.3	6,301.2	6,402.5	6,301.2	15.5	19.3	-179.69	-816.0	403.1	350.0	318.3	31.70	11.041		
6,400.0	6,343.9	6,445.1	6,343.8	15.6	19.4	-179.62	-816.0	402.7	350.0	318.2	31.80	11.008		
6,500.0	6,443.9	6,543.7	6,441.8	15.7	19.4	-177.98	-816.0	392.7	350.3	318.5	31.77	11.025		
6,600.0	6,543.9	6,637.8	6,533.2	15.8	19.3	-84.37	-816.0	370.6	351.9	324.1	27.81	12.652		
6,700.0	6,643.6	6,727.3	6,616.8	15.9	19.2	-79.94	-816.0	338.7	355.9	327.4	28.52	12.481		
6,800.0	6,741.2	6,814.1	6,693.4	15.8	19.1	-75.82	-816.0	298.0	361.8	333.0	28.82	12.554		
6,900.0	6,834.9	6,900.0	6,763.8	15.7	19.0	-72.02	-816.0	248.9	369.0	340.3	28.69	12.860		
7,000.0	6,922.8	6,981.2	6,824.5	15.5	18.9	-68.74	-816.0	195.1	376.8	348.6	28.17	13.376		
7,100.0	7,003.3	7,062.2	6,878.6	15.3	18.8	-65.86	-815.9	134.9	384.8	357.4	27.39	14.047		
7,200.0	7,074.8	7,141.8	6,924.9	15.2	18.8	-63.43	-815.9	70.1	392.4	365.8	26.56	14.776		
7,300.0	7,135.9	7,220.4	6,963.2	15.2	18.9	-61.45	-815.9	1.5	399.3	373.3	25.98	15.372		
7,400.0	7,185.3	7,300.0	6,994.1	15.3	19.1	-59.88	-815.9	-71.8	405.1	379.2	25.87	15.657		
7,500.0	7,222.2	7,375.4	7,015.7	15.8	19.5	-58.80	-815.9	-144.0	409.4	382.9	26.57	15.409		
7,600.0	7,245.8	7,450.0	7,029.6	16.7	20.0	-58.13	-815.9	-217.3	412.3	384.1	28.15	14.645		
7,700.0	7,255.7	7,528.7	7,035.8	18.1	20.7	-57.85	-815.9	-295.7	413.4	382.7	30.67	13.480		
7,800.0	7,256.0	7,623.3	7,036.0	19.7	21.9	-57.85	-815.9	-390.3	413.4	379.8	33.55	12.320		
7,900.0	7,256.0	7,723.3	7,036.0	21.5	23.4	-57.85	-815.9	-490.3	413.4	376.7	36.65	11.278		
8,000.0	7,256.0	7,823.3	7,036.0	23.4	25.1	-57.84	-815.9	-590.3	413.4	373.4	39.95	10.347		
8,100.0	7,256.0	7,923.3	7,036.0	25.5	26.9	-57.84	-815.9	-690.3	413.4	370.0	43.41	9.523		
8,200.0	7,256.0	8,023.3	7,036.0	27.5	28.9	-57.84	-815.9	-790.3	413.4	366.4	46.98	8.798		
8,300.0	7,256.0	8,123.3	7,036.0	29.7	30.9	-57.84	-815.9	-890.3	413.4	362.7	50.65	8.161		
8,400.0	7,256.0	8,223.3	7,036.0	31.9	33.0	-57.84	-815.9	-990.3	413.3	358.9	54.40	7.598		
8,500.0	7,256.0	8,323.3	7,036.0	34.1	35.2	-57.84	-815.9	-1,090.3	413.3	355.1	58.21	7.101		
8,600.0	7,256.0	8,423.3	7,036.0	36.4	37.4	-57.84	-815.9	-1,190.3	413.3	351.3	62.06	6.660		
8,700.0	7,256.0	8,523.3	7,036.0	38.7	39.6	-57.84	-815.8	-1,290.3	413.3	347.4	65.96	6.266		
8,800.0	7,256.0	8,623.3	7,036.0	41.0	41.9	-57.84	-815.8	-1,390.3	413.3	343.4	69.90	5.913		
8,900.0	7,256.0	8,723.3	7,036.0	43.3	44.1	-57.84	-815.8	-1,490.3	413.3	339.5	73.86	5.596		
9,000.0	7,256.0	8,823.3	7,036.0	45.7	46.4	-57.84	-815.8	-1,590.3	413.3	335.5	77.84	5.310		
9,100.0	7,256.0	8,923.3	7,036.0	48.0	48.8	-57.84	-815.8	-1,690.3	413.3	331.5	81.85	5.050		
9,200.0	7,256.0	9,023.3	7,036.0	50.4	51.1	-57.84	-815.8	-1,790.3	413.3	327.4	85.87	4.813		
9,300.0	7,256.0	9,123.3	7,036.0	52.8	53.5	-57.84	-815.8	-1,890.3	413.3	323.4	89.91	4.597		
9,400.0	7,256.0	9,223.3	7,036.0	55.2	55.8	-57.84	-815.8	-1,990.3	413.3	319.3	93.97	4.398		
9,500.0	7,256.0	9,323.3	7,036.0	57.6	58.2	-57.84	-815.8	-2,090.3	413.3	315.3	98.03	4.216		
9,600.0	7,256.0	9,423.3	7,036.0	60.0	60.6	-57.84	-815.8	-2,190.3	413.3	311.2	102.11	4.047		
9,700.0	7,256.0	9,523.3	7,036.0	62.4	62.9	-57.84	-815.8	-2,290.3	413.3	307.1	106.19	3.892		
9,800.0	7,256.0	9,623.3	7,036.0	64.8	65.3	-57.84	-815.8	-2,390.3	413.3	303.0	110.29	3.747		
9,900.0	7,256.0	9,723.3	7,036.0	67.2	67.7	-57.84	-815.8	-2,490.3	413.3	298.9	114.39	3.613		
10,000.0	7,256.0	9,823.3	7,036.0	69.6	70.1	-57.84	-815.7	-2,590.3	413.3	294.8	118.49	3.488		
10,100.0	7,256.0	9,923.3	7,036.0	72.0	72.5	-57.83	-815.7	-2,690.3	413.2	290.6	122.61	3.371		
10,200.0	7,256.0	10,023.3	7,036.0	74.5	75.0	-57.83	-815.7	-2,790.3	413.2	286.5	126.72	3.261		

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 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 1E-6H-A368 - 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	
10,300.0	7,256.0	10,123.3	7,036.0	76.9	77.4	-57.83	-815.7	-2,890.3	413.2	282.4	130.85	3.158		
10,400.0	7,256.0	10,223.3	7,036.0	79.3	79.8	-57.83	-815.7	-2,990.3	413.2	278.3	134.97	3.062		
10,500.0	7,256.0	10,323.3	7,036.0	81.8	82.2	-57.83	-815.7	-3,090.3	413.2	274.1	139.11	2.971		
10,600.0	7,256.0	10,423.3	7,036.0	84.2	84.6	-57.83	-815.7	-3,190.3	413.2	270.0	143.24	2.885		
10,700.0	7,256.0	10,523.3	7,036.0	86.6	87.1	-57.83	-815.7	-3,290.3	413.2	265.8	147.38	2.804		
10,800.0	7,256.0	10,623.3	7,036.0	89.1	89.5	-57.83	-815.7	-3,390.3	413.2	261.7	151.52	2.727		
10,900.0	7,256.0	10,723.3	7,036.0	91.5	91.9	-57.83	-815.7	-3,490.3	413.2	257.5	155.66	2.654		
11,000.0	7,256.0	10,823.3	7,036.0	94.0	94.4	-57.83	-815.7	-3,590.3	413.2	253.4	159.81	2.586		
11,100.0	7,256.0	10,923.3	7,036.0	96.4	96.8	-57.83	-815.7	-3,690.3	413.2	249.2	163.96	2.520		
11,200.0	7,256.0	11,023.3	7,036.0	98.9	99.3	-57.83	-815.7	-3,790.3	413.2	245.1	168.11	2.458		
11,300.0	7,256.0	11,123.3	7,036.0	101.3	101.7	-57.83	-815.7	-3,890.3	413.2	240.9	172.26	2.399		
11,400.0	7,256.0	11,223.3	7,036.0	103.8	104.1	-57.83	-815.6	-3,990.3	413.2	236.8	176.42	2.342		
11,500.0	7,256.0	11,323.3	7,036.0	106.2	106.6	-57.83	-815.6	-4,090.3	413.2	232.6	180.57	2.288		
11,600.0	7,256.0	11,423.3	7,036.0	108.7	109.0	-57.83	-815.6	-4,190.3	413.2	228.4	184.73	2.237		
11,657.8	7,256.0	11,481.1	7,036.0	110.1	110.4	-57.83	-815.6	-4,248.1	413.2	226.0	187.13	2.208		
11,680.6	7,256.0	11,500.4	7,036.0	110.6	110.9	-57.83	-815.6	-4,267.4	413.2	225.2	188.01	2.198 SF		



## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Drieth 1D-6H-A368
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Reference Site:</b>	S6-T3N-R68W (Zisch/Drieth 1)	<b>MD Reference:</b>	WELL @ 5099.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Drieth 1D-6H-A368	<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 @ 5099.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Drieth 1D-6H-A368

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.30°

