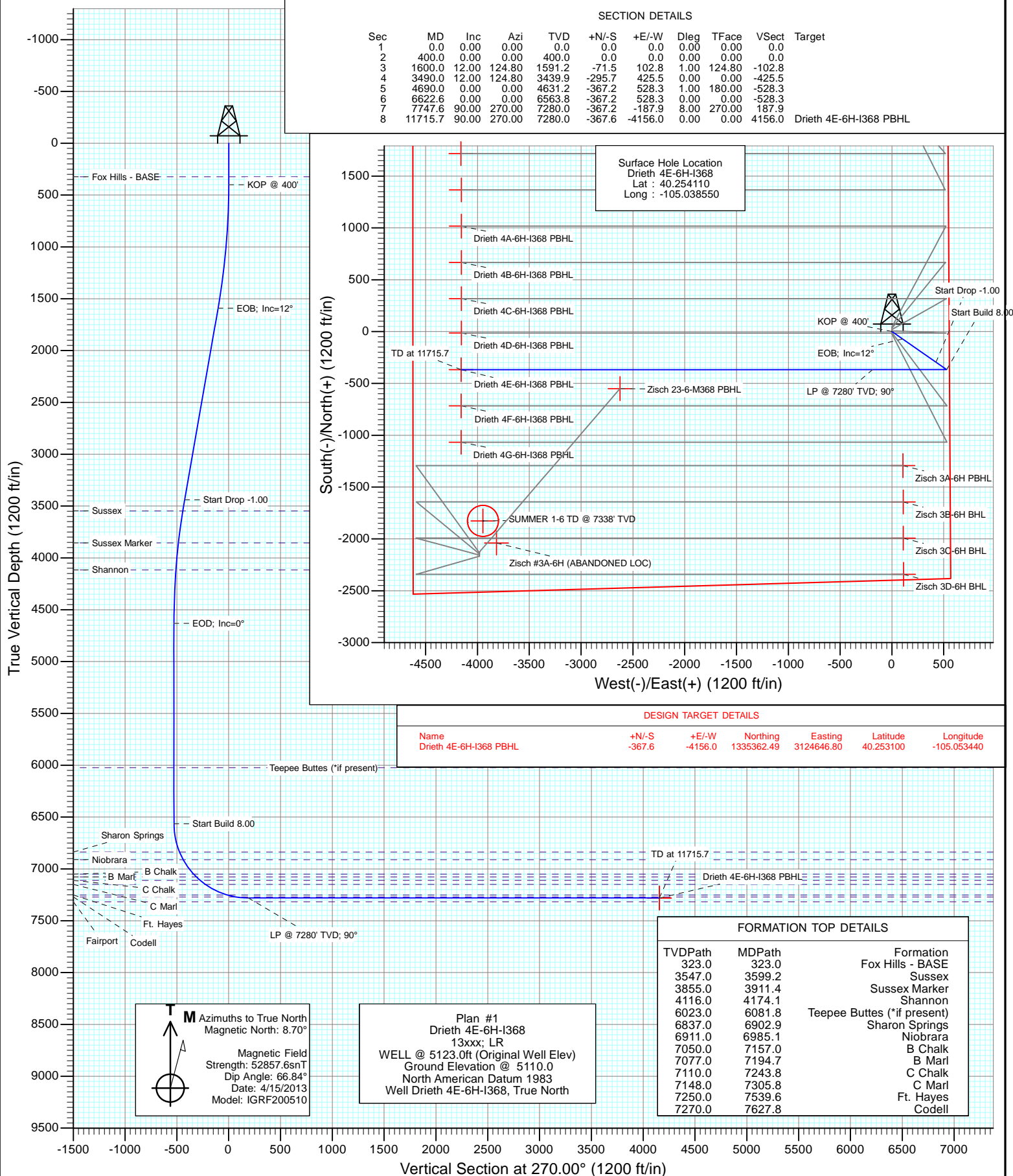




Project: DJ Wattenberg
Site: S6-T3N-R68W (Zisch/Drieth)
Well: Drieth 4E-6H-I368
Design: Plan #1



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site:	S6-T3N-R68W (Zisch/Drieth)	North Reference:	True
Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

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

Site		S6-T3N-R68W (Zisch/Drieth)			
Site Position:		Northing:	1,333,692.14 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 4E-6H-I368					
Well Position	+N/-S	0.0 ft	Northing:	1,335,751.69 ft	Latitude:	40.254110
	+E/-W	0.0 ft	Easting:	3,128,800.85 ft	Longitude:	-105.038550
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,110.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/15/2013	8.70	66.84	52,858

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	270.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,600.0	12.00	124.80	1,591.2	-71.5	102.8	1.00	1.00	0.00	124.80	
3,490.0	12.00	124.80	3,439.9	-295.7	425.5	0.00	0.00	0.00	0.00	
4,690.0	0.00	0.00	4,631.2	-367.2	528.3	1.00	-1.00	0.00	180.00	
6,622.6	0.00	0.00	6,563.8	-367.2	528.3	0.00	0.00	0.00	0.00	
7,747.6	90.00	270.00	7,280.0	-367.2	-187.9	8.00	8.00	0.00	270.00	
11,715.7	90.00	270.00	7,280.0	-367.6	-4,156.0	0.00	0.00	0.00	0.00	Drieth 4E-6H-I368 PB

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site:	S6-T3N-R68W (Zisch/Drieth)	North Reference:	True
Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
323.0	0.00	0.00	323.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	KOP @ 400'
500.0	1.00	124.80	500.0	-0.5	0.7	-0.7	1.00	1.00	
600.0	2.00	124.80	600.0	-2.0	2.9	-2.9	1.00	1.00	
700.0	3.00	124.80	699.9	-4.5	6.4	-6.4	1.00	1.00	
800.0	4.00	124.80	799.7	-8.0	11.5	-11.5	1.00	1.00	
900.0	5.00	124.80	899.4	-12.4	17.9	-17.9	1.00	1.00	
1,000.0	6.00	124.80	998.9	-17.9	25.8	-25.8	1.00	1.00	
1,100.0	7.00	124.80	1,098.3	-24.4	35.1	-35.1	1.00	1.00	
1,200.0	8.00	124.80	1,197.4	-31.8	45.8	-45.8	1.00	1.00	
1,300.0	9.00	124.80	1,296.3	-40.3	57.9	-57.9	1.00	1.00	
1,400.0	10.00	124.80	1,394.9	-49.7	71.5	-71.5	1.00	1.00	
1,500.0	11.00	124.80	1,493.3	-60.1	86.4	-86.4	1.00	1.00	
1,600.0	12.00	124.80	1,591.2	-71.5	102.8	-102.8	1.00	1.00	EOB; Inc=12°
1,700.0	12.00	124.80	1,689.1	-83.3	119.9	-119.9	0.00	0.00	
1,800.0	12.00	124.80	1,786.9	-95.2	137.0	-137.0	0.00	0.00	
1,900.0	12.00	124.80	1,884.7	-107.1	154.0	-154.0	0.00	0.00	
2,000.0	12.00	124.80	1,982.5	-118.9	171.1	-171.1	0.00	0.00	
2,100.0	12.00	124.80	2,080.3	-130.8	188.2	-188.2	0.00	0.00	
2,200.0	12.00	124.80	2,178.1	-142.7	205.2	-205.2	0.00	0.00	
2,300.0	12.00	124.80	2,275.9	-154.5	222.3	-222.3	0.00	0.00	
2,400.0	12.00	124.80	2,373.8	-166.4	239.4	-239.4	0.00	0.00	
2,500.0	12.00	124.80	2,471.6	-178.2	256.5	-256.5	0.00	0.00	
2,600.0	12.00	124.80	2,569.4	-190.1	273.5	-273.5	0.00	0.00	
2,700.0	12.00	124.80	2,667.2	-202.0	290.6	-290.6	0.00	0.00	
2,800.0	12.00	124.80	2,765.0	-213.8	307.7	-307.7	0.00	0.00	
2,900.0	12.00	124.80	2,862.8	-225.7	324.8	-324.8	0.00	0.00	
3,000.0	12.00	124.80	2,960.7	-237.6	341.8	-341.8	0.00	0.00	
3,100.0	12.00	124.80	3,058.5	-249.4	358.9	-358.9	0.00	0.00	
3,200.0	12.00	124.80	3,156.3	-261.3	376.0	-376.0	0.00	0.00	
3,300.0	12.00	124.80	3,254.1	-273.2	393.0	-393.0	0.00	0.00	
3,400.0	12.00	124.80	3,351.9	-285.0	410.1	-410.1	0.00	0.00	
3,490.0	12.00	124.80	3,439.9	-295.7	425.5	-425.5	0.00	0.00	Start Drop -1.00
3,500.0	11.90	124.80	3,449.7	-296.9	427.2	-427.2	1.00	-1.00	
3,599.2	10.91	124.80	3,547.0	-308.1	443.3	-443.3	1.00	-1.00	Sussex
3,600.0	10.90	124.80	3,547.8	-308.2	443.4	-443.4	1.00	-1.00	
3,700.0	9.90	124.80	3,646.1	-318.5	458.2	-458.2	1.00	-1.00	
3,800.0	8.90	124.80	3,744.8	-327.8	471.7	-471.7	1.00	-1.00	
3,900.0	7.90	124.80	3,843.7	-336.1	483.6	-483.6	1.00	-1.00	
3,911.4	7.79	124.80	3,855.0	-337.0	484.9	-484.9	1.00	-1.00	Sussex Marker
4,000.0	6.90	124.80	3,942.9	-343.5	494.2	-494.2	1.00	-1.00	
4,100.0	5.90	124.80	4,042.2	-349.9	503.4	-503.4	1.00	-1.00	
4,174.1	5.16	124.80	4,116.0	-353.9	509.2	-509.2	1.00	-1.00	Shannon
4,200.0	4.90	124.80	4,141.8	-355.2	511.1	-511.1	1.00	-1.00	
4,300.0	3.90	124.80	4,241.5	-359.6	517.4	-517.4	1.00	-1.00	
4,400.0	2.90	124.80	4,341.3	-363.0	522.3	-522.3	1.00	-1.00	
4,500.0	1.90	124.80	4,441.2	-365.4	525.7	-525.7	1.00	-1.00	
4,600.0	0.90	124.80	4,541.2	-366.8	527.7	-527.7	1.00	-1.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site:	S6-T3N-R68W (Zisch/Drieth)	North Reference:	True
Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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
4,690.0	0.00	0.00	4,631.2	-367.2	528.3	-528.3	1.00	-1.00	EOD; Inc=0°
4,700.0	0.00	0.00	4,641.2	-367.2	528.3	-528.3	0.00	0.00	
4,800.0	0.00	0.00	4,741.2	-367.2	528.3	-528.3	0.00	0.00	
4,900.0	0.00	0.00	4,841.2	-367.2	528.3	-528.3	0.00	0.00	
5,000.0	0.00	0.00	4,941.2	-367.2	528.3	-528.3	0.00	0.00	
5,100.0	0.00	0.00	5,041.2	-367.2	528.3	-528.3	0.00	0.00	
5,200.0	0.00	0.00	5,141.2	-367.2	528.3	-528.3	0.00	0.00	
5,300.0	0.00	0.00	5,241.2	-367.2	528.3	-528.3	0.00	0.00	
5,400.0	0.00	0.00	5,341.2	-367.2	528.3	-528.3	0.00	0.00	
5,500.0	0.00	0.00	5,441.2	-367.2	528.3	-528.3	0.00	0.00	
5,600.0	0.00	0.00	5,541.2	-367.2	528.3	-528.3	0.00	0.00	
5,700.0	0.00	0.00	5,641.2	-367.2	528.3	-528.3	0.00	0.00	
5,800.0	0.00	0.00	5,741.2	-367.2	528.3	-528.3	0.00	0.00	
5,900.0	0.00	0.00	5,841.2	-367.2	528.3	-528.3	0.00	0.00	
6,000.0	0.00	0.00	5,941.2	-367.2	528.3	-528.3	0.00	0.00	
6,081.8	0.00	0.00	6,023.0	-367.2	528.3	-528.3	0.00	0.00	Teepee Buttes (*if present)
6,100.0	0.00	0.00	6,041.2	-367.2	528.3	-528.3	0.00	0.00	
6,200.0	0.00	0.00	6,141.2	-367.2	528.3	-528.3	0.00	0.00	
6,300.0	0.00	0.00	6,241.2	-367.2	528.3	-528.3	0.00	0.00	
6,400.0	0.00	0.00	6,341.2	-367.2	528.3	-528.3	0.00	0.00	
6,500.0	0.00	0.00	6,441.2	-367.2	528.3	-528.3	0.00	0.00	
6,600.0	0.00	0.00	6,541.2	-367.2	528.3	-528.3	0.00	0.00	
6,622.6	0.00	0.00	6,563.8	-367.2	528.3	-528.3	0.00	0.00	Start Build 8.00
6,700.0	6.19	270.00	6,641.0	-367.2	524.1	-524.1	8.00	8.00	
6,800.0	14.19	270.00	6,739.4	-367.2	506.4	-506.4	8.00	8.00	
6,900.0	22.19	270.00	6,834.3	-367.2	475.2	-475.2	8.00	8.00	
6,902.9	22.42	270.00	6,837.0	-367.2	474.1	-474.1	8.00	8.00	Sharon Springs
6,985.1	29.00	270.00	6,911.0	-367.2	438.5	-438.5	8.00	8.00	Niobrara
7,000.0	30.19	270.00	6,924.0	-367.2	431.1	-431.1	8.00	8.00	
7,100.0	38.19	270.00	7,006.6	-367.2	375.0	-375.0	8.00	8.00	
7,157.0	42.75	270.00	7,050.0	-367.2	338.0	-338.0	8.00	8.00	B Chalk
7,194.7	45.77	270.00	7,077.0	-367.2	311.7	-311.7	8.00	8.00	B Marl
7,200.0	46.19	270.00	7,080.6	-367.2	307.9	-307.9	8.00	8.00	
7,243.8	49.70	270.00	7,110.0	-367.2	275.4	-275.4	8.00	8.00	C Chalk
7,300.0	54.19	270.00	7,144.6	-367.2	231.1	-231.1	8.00	8.00	
7,305.8	54.66	270.00	7,148.0	-367.2	226.4	-226.4	8.00	8.00	C Marl
7,400.0	62.19	270.00	7,197.3	-367.2	146.2	-146.2	8.00	8.00	
7,500.0	70.19	270.00	7,237.6	-367.2	54.8	-54.8	8.00	8.00	
7,539.6	73.36	270.00	7,250.0	-367.2	17.2	-17.2	8.00	8.00	Ft. Hayes
7,600.0	78.19	270.00	7,264.8	-367.2	-41.3	41.3	8.00	8.00	
7,627.8	80.41	270.00	7,270.0	-367.2	-68.6	68.6	8.00	8.00	Codell
7,700.0	86.19	270.00	7,278.4	-367.2	-140.3	140.3	8.00	8.00	
7,747.6	90.00	270.00	7,280.0	-367.2	-187.9	187.9	8.00	8.00	LP @ 7280' TVD; 90°
7,800.0	90.00	270.00	7,280.0	-367.2	-240.3	240.3	0.00	0.00	
7,900.0	90.00	270.00	7,280.0	-367.2	-340.3	340.3	0.00	0.00	
8,000.0	90.00	270.00	7,280.0	-367.3	-440.3	440.3	0.00	0.00	
8,100.0	90.00	270.00	7,280.0	-367.3	-540.3	540.3	0.00	0.00	
8,200.0	90.00	270.00	7,280.0	-367.3	-640.3	640.3	0.00	0.00	
8,300.0	90.00	270.00	7,280.0	-367.3	-740.3	740.3	0.00	0.00	
8,400.0	90.00	270.00	7,280.0	-367.3	-840.3	840.3	0.00	0.00	
8,500.0	90.00	270.00	7,280.0	-367.3	-940.3	940.3	0.00	0.00	
8,600.0	90.00	270.00	7,280.0	-367.3	-1,040.3	1,040.3	0.00	0.00	

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Project:	DJ Wattenberg	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site:	S6-T3N-R68W (Zisch/Drieth)	North Reference:	True
Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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	7,280.0	-367.3	-1,140.3	1,140.3	0.00	0.00	
8,800.0	90.00	270.00	7,280.0	-367.3	-1,240.3	1,240.3	0.00	0.00	
8,900.0	90.00	270.00	7,280.0	-367.3	-1,340.3	1,340.3	0.00	0.00	
9,000.0	90.00	270.00	7,280.0	-367.3	-1,440.3	1,440.3	0.00	0.00	
9,100.0	90.00	270.00	7,280.0	-367.4	-1,540.3	1,540.3	0.00	0.00	
9,200.0	90.00	270.00	7,280.0	-367.4	-1,640.3	1,640.3	0.00	0.00	
9,300.0	90.00	270.00	7,280.0	-367.4	-1,740.3	1,740.3	0.00	0.00	
9,400.0	90.00	270.00	7,280.0	-367.4	-1,840.3	1,840.3	0.00	0.00	
9,500.0	90.00	270.00	7,280.0	-367.4	-1,940.3	1,940.3	0.00	0.00	
9,600.0	90.00	270.00	7,280.0	-367.4	-2,040.3	2,040.3	0.00	0.00	
9,700.0	90.00	270.00	7,280.0	-367.4	-2,140.3	2,140.3	0.00	0.00	
9,800.0	90.00	270.00	7,280.0	-367.4	-2,240.3	2,240.3	0.00	0.00	
9,900.0	90.00	270.00	7,280.0	-367.4	-2,340.3	2,340.3	0.00	0.00	
10,000.0	90.00	270.00	7,280.0	-367.4	-2,440.3	2,440.3	0.00	0.00	
10,100.0	90.00	270.00	7,280.0	-367.4	-2,540.3	2,540.3	0.00	0.00	
10,200.0	90.00	270.00	7,280.0	-367.4	-2,640.3	2,640.3	0.00	0.00	
10,300.0	90.00	270.00	7,280.0	-367.5	-2,740.3	2,740.3	0.00	0.00	
10,400.0	90.00	270.00	7,280.0	-367.5	-2,840.3	2,840.3	0.00	0.00	
10,500.0	90.00	270.00	7,280.0	-367.5	-2,940.3	2,940.3	0.00	0.00	
10,600.0	90.00	270.00	7,280.0	-367.5	-3,040.3	3,040.3	0.00	0.00	
10,700.0	90.00	270.00	7,280.0	-367.5	-3,140.3	3,140.3	0.00	0.00	
10,800.0	90.00	270.00	7,280.0	-367.5	-3,240.3	3,240.3	0.00	0.00	
10,900.0	90.00	270.00	7,280.0	-367.5	-3,340.3	3,340.3	0.00	0.00	
11,000.0	90.00	270.00	7,280.0	-367.5	-3,440.3	3,440.3	0.00	0.00	
11,100.0	90.00	270.00	7,280.0	-367.5	-3,540.3	3,540.3	0.00	0.00	
11,200.0	90.00	270.00	7,280.0	-367.5	-3,640.3	3,640.3	0.00	0.00	
11,300.0	90.00	270.00	7,280.0	-367.5	-3,740.3	3,740.3	0.00	0.00	
11,400.0	90.00	270.00	7,280.0	-367.5	-3,840.3	3,840.3	0.00	0.00	
11,500.0	90.00	270.00	7,280.0	-367.6	-3,940.3	3,940.3	0.00	0.00	
11,600.0	90.00	270.00	7,280.0	-367.6	-4,040.3	4,040.3	0.00	0.00	
11,700.0	90.00	270.00	7,280.0	-367.6	-4,140.3	4,140.3	0.00	0.00	
11,715.7	90.00	270.00	7,280.0	-367.6	-4,156.0	4,156.0	0.00	0.00	TD at 11715.7 - Drieth 4E-6H-I368 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 4E-6H-I368 PBHL - plan hits target center - Point	0.00	0.00	7,280.0	-367.6	-4,156.0	1,335,362.49	3,124,646.80	40.253100	-105.053440

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site:	S6-T3N-R68W (Zisch/Drieth)	North Reference:	True
Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
323.0	323.0	Fox Hills - BASE				
3,599.2	3,547.0	Sussex				
3,911.4	3,855.0	Sussex Marker				
4,174.1	4,116.0	Shannon				
6,081.8	6,023.0	Teepee Buttes (*if present)				
6,902.9	6,837.0	Sharon Springs				
6,985.1	6,911.0	Niobrara				
7,157.0	7,050.0	B Chalk				
7,194.7	7,077.0	B Marl				
7,243.8	7,110.0	C Chalk				
7,305.8	7,148.0	C Marl				
7,539.6	7,250.0	Ft. Hayes				
7,627.8	7,270.0	Codell				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
400.0	400.0	0.0	0.0	KOP @ 400'	
1,600.0	1,591.2	-71.5	102.8	EOB; Inc=12°	
3,490.0	3,439.9	-295.7	425.5	Start Drop -1.00	
4,690.0	4,631.2	-367.2	528.3	EOD; Inc=0°	
6,622.6	6,563.8	-367.2	528.3	Start Build 8.00	
7,747.6	7,280.0	-367.2	-187.9	LP @ 7280' TVD; 90°	
11,715.7	7,280.0	-367.6	-4,156.0	TD at 11715.7	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S6-T3N-R68W (Zisch/Drieth)

Drieth 4E-6H-I368

Hz

Plan #1

Anticollision Report

15 April, 2013

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 500.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	4/15/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,715.7	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)						
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	200.0	40.2	39.5	61.537	CC, ES
Drieth 4A-6H-I368 - Hz - Plan #1	700.0	695.6	63.6	61.2	26.331	SF
Drieth 4B-6H-I368 - Hz - Plan #1	300.0	300.0	29.3	28.3	29.223	CC, ES
Drieth 4B-6H-I368 - Hz - Plan #1	600.0	598.6	37.2	35.2	18.102	SF
Drieth 4C-6H-I368 - Hz - Plan #1	400.0	400.0	18.4	17.1	13.641	CC, ES
Drieth 4C-6H-I368 - Hz - Plan #1	600.0	599.7	22.1	20.0	10.750	SF
Drieth 4D-6H-I368 - Hz - Plan #1	400.0	400.0	7.3	5.9	5.393	CC, ES
Drieth 4D-6H-I368 - Hz - Plan #1	11,715.7	11,470.0	416.2	230.7	2.243	SF
Drieth 4F-6H-I368 - Hz - Plan #1	266.3	267.3	10.9	10.0	12.334	CC
Drieth 4F-6H-I368 - Hz - Plan #1	300.0	301.0	10.9	9.9	10.890	ES
Drieth 4F-6H-I368 - Hz - Plan #1	11,715.7	11,539.2	413.2	227.8	2.229	SF
Drieth 4G-6H-I368 - Hz - Plan #1	166.3	167.3	21.9	21.3	40.705	CC
Drieth 4G-6H-I368 - Hz - Plan #1	200.0	201.0	21.9	21.2	33.396	ES
Drieth 4G-6H-I368 - Hz - Plan #1	1,000.0	995.9	53.6	50.0	14.930	SF
SUMMER 6-1 (EXISTING) - EXISTING - NO SURVEYS						Out of range
Zisch 23-6-M368 - DD - Plan #1	10,183.7	7,704.7	182.6	83.4	1.841	CC, ES
Zisch 23-6-M368 - DD - Plan #1	10,200.0	7,704.7	183.3	83.8	1.841	SF
Zisch 3A-6H-M368 - HZ - Plan #1						Out of range
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

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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						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	-3.98	40.1	-2.8	40.2					
100.0	100.0	100.0	100.0	0.2	0.2	-3.98	40.1	-2.8	40.2	39.9	0.30	132.270		
200.0	200.0	200.0	200.0	0.3	0.3	-3.98	40.1	-2.8	40.2	39.5	0.65	61.537 CC, ES		
300.0	300.0	299.4	299.4	0.5	0.5	-3.34	40.8	-2.4	40.9	39.9	1.00	40.868		
400.0	400.0	398.7	398.7	0.7	0.7	-1.54	43.1	-1.2	43.1	41.8	1.35	31.963		
500.0	500.0	498.0	497.8	0.9	0.9	-124.57	46.9	0.9	47.4	45.7	1.70	27.895		
600.0	600.0	596.9	596.6	1.0	1.1	-123.80	52.2	3.7	54.3	52.2	2.06	26.413		
700.0	699.9	695.6	695.0	1.2	1.3	-123.77	58.9	7.3	63.6	61.2	2.42	26.331 SF		
800.0	799.7	793.8	792.8	1.4	1.5	-124.22	67.2	11.7	75.5	72.7	2.79	27.067		
900.0	899.4	891.6	889.9	1.6	1.7	-124.90	76.8	16.9	89.8	86.6	3.17	28.298		
1,000.0	998.9	988.7	986.2	1.8	2.0	-125.66	87.8	22.8	106.5	103.0	3.57	29.827		
1,100.0	1,098.3	1,085.1	1,081.6	2.1	2.3	-126.42	100.2	29.5	125.8	121.8	3.99	31.527		
1,200.0	1,197.4	1,180.7	1,175.9	2.3	2.6	-127.13	113.9	36.8	147.5	143.1	4.43	33.310		
1,300.0	1,296.3	1,275.5	1,269.2	2.6	2.9	-127.76	128.8	44.8	171.7	166.8	4.89	35.119		
1,400.0	1,394.9	1,369.3	1,361.2	2.9	3.3	-128.32	144.9	53.4	198.3	192.9	5.37	36.912		
1,500.0	1,493.3	1,462.1	1,451.9	3.3	3.6	-128.80	162.1	62.6	227.2	221.3	5.88	38.663		
1,600.0	1,591.2	1,553.8	1,541.3	3.7	4.0	-129.21	180.4	72.4	258.5	252.1	6.41	40.354		
1,700.0	1,689.1	1,644.6	1,629.3	4.0	4.4	-129.70	199.7	82.8	291.6	284.7	6.96	41.916		
1,800.0	1,786.9	1,736.1	1,717.8	4.4	4.9	-129.94	220.4	93.9	325.9	318.4	7.52	43.330		
1,900.0	1,884.7	1,830.0	1,808.5	4.8	5.3	-130.12	241.8	105.4	360.4	352.3	8.10	44.508		
2,000.0	1,982.5	1,923.8	1,899.1	5.2	5.7	-130.27	263.2	116.8	394.8	386.2	8.68	45.502		
2,100.0	2,080.3	2,017.7	1,989.8	5.6	6.2	-130.39	284.6	128.3	429.3	420.1	9.26	46.352		
2,200.0	2,178.1	2,111.6	2,080.5	6.0	6.6	-130.50	306.0	139.8	463.8	454.0	9.85	47.084		
2,300.0	2,275.9	2,205.4	2,171.1	6.4	7.1	-130.59	327.4	151.3	498.3	487.8	10.44	47.721		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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				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		
0.0	0.0	0.0	0.0	0.0	0.0	-5.47	29.1	-2.8	29.3					
100.0	100.0	100.0	100.0	0.2	0.2	-5.47	29.1	-2.8	29.3	29.0	0.30	96.403		
200.0	200.0	200.0	200.0	0.3	0.3	-5.47	29.1	-2.8	29.3	28.6	0.65	44.851		
300.0	300.0	300.0	300.0	0.5	0.5	-5.47	29.1	-2.8	29.3	28.3	1.00	29.223 CC, ES		
400.0	400.0	399.6	399.6	0.7	0.7	-4.31	29.8	-2.2	29.9	28.6	1.35	22.145		
500.0	500.0	499.2	499.2	0.9	0.9	-127.12	31.8	-0.6	32.4	30.7	1.70	19.028		
600.0	600.0	598.6	598.5	1.0	1.0	-125.88	35.2	2.1	37.2	35.2	2.06	18.102 SF		
700.0	699.9	697.8	697.5	1.2	1.2	-125.32	39.9	5.9	44.4	42.0	2.42	18.364		
800.0	799.7	796.7	796.1	1.4	1.4	-125.24	45.8	10.8	53.9	51.1	2.79	19.318		
900.0	899.4	895.2	894.1	1.6	1.7	-125.43	53.1	16.7	65.8	62.6	3.18	20.682		
1,000.0	998.9	993.3	991.6	1.8	1.9	-125.75	61.7	23.6	79.9	76.3	3.59	22.282		
1,100.0	1,098.3	1,090.7	1,088.2	2.1	2.2	-126.10	71.4	31.6	96.4	92.4	4.02	24.004		
1,200.0	1,197.4	1,187.6	1,184.1	2.3	2.4	-126.44	82.4	40.5	115.1	110.6	4.47	25.773		
1,300.0	1,296.3	1,283.8	1,279.0	2.6	2.8	-126.75	94.5	50.3	136.1	131.2	4.94	27.534		
1,400.0	1,394.9	1,379.3	1,372.9	2.9	3.1	-127.02	107.8	61.1	159.3	153.9	5.45	29.254		
1,500.0	1,493.3	1,473.9	1,465.7	3.3	3.4	-127.24	122.1	72.8	184.8	178.8	5.98	30.909		
1,600.0	1,591.2	1,569.4	1,559.1	3.7	3.8	-127.52	137.5	85.3	212.1	205.6	6.54	32.450		
1,700.0	1,689.1	1,665.4	1,653.0	4.0	4.1	-128.06	153.0	97.9	240.1	232.9	7.11	33.743		
1,800.0	1,786.9	1,761.4	1,746.9	4.4	4.5	-128.50	168.5	110.4	268.0	260.3	7.70	34.811		
1,900.0	1,884.7	1,857.4	1,840.8	4.8	4.9	-128.85	184.0	123.0	295.9	287.7	8.29	35.706		
2,000.0	1,982.5	1,953.4	1,934.7	5.2	5.3	-129.14	199.5	135.6	323.9	315.0	8.88	36.465		
2,100.0	2,080.3	2,049.4	2,028.6	5.6	5.6	-129.39	215.0	148.2	351.9	342.4	9.48	37.114		
2,200.0	2,178.1	2,145.4	2,122.5	6.0	6.0	-129.59	230.4	160.8	379.8	369.7	10.08	37.676		
2,300.0	2,275.9	2,241.4	2,216.5	6.4	6.4	-129.77	245.9	173.4	407.8	397.1	10.68	38.166		
2,400.0	2,373.8	2,337.4	2,310.4	6.8	6.8	-129.93	261.4	186.0	435.8	424.5	11.29	38.597		
2,500.0	2,471.6	2,433.4	2,404.3	7.2	7.2	-130.07	276.9	198.6	463.7	451.8	11.90	38.979		
2,600.0	2,569.4	2,529.4	2,498.2	7.6	7.6	-130.19	292.4	211.2	491.7	479.2	12.51	39.319		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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	-8.71	18.2	-2.8	18.4					
100.0	100.0	100.0	100.0	0.2	0.2	-8.71	18.2	-2.8	18.4	18.1	0.30	60.677		
200.0	200.0	200.0	200.0	0.3	0.3	-8.71	18.2	-2.8	18.4	17.8	0.65	28.230		
300.0	300.0	300.0	300.0	0.5	0.5	-8.71	18.2	-2.8	18.4	17.4	1.00	18.394		
400.0	400.0	400.0	400.0	0.7	0.7	-8.71	18.2	-2.8	18.4	17.1	1.35	13.641 CC, ES		
500.0	500.0	499.9	499.9	0.9	0.9	-132.97	18.6	-2.0	19.3	17.6	1.70	11.372		
600.0	600.0	599.7	599.7	1.0	1.0	-131.60	19.9	0.2	22.1	20.0	2.05	10.750 SF		
700.0	699.9	699.4	699.3	1.2	1.2	-129.94	22.1	4.0	26.7	24.2	2.42	11.037		
800.0	799.7	799.0	798.7	1.4	1.4	-128.39	25.1	9.3	33.1	30.3	2.79	11.860		
900.0	899.4	898.4	897.7	1.6	1.6	-127.09	28.9	16.1	41.4	38.2	3.18	12.998		
1,000.0	998.9	997.5	996.4	1.8	1.8	-126.06	33.5	24.3	51.5	47.9	3.60	14.310		
1,100.0	1,098.3	1,096.3	1,094.6	2.1	2.1	-125.24	39.0	34.0	63.5	59.5	4.04	15.703		
1,200.0	1,197.4	1,194.7	1,192.2	2.3	2.3	-124.60	45.3	45.1	77.3	72.8	4.52	17.111		
1,300.0	1,296.3	1,292.8	1,289.2	2.6	2.6	-124.08	52.4	57.6	92.9	87.9	5.03	18.492		
1,400.0	1,394.9	1,390.4	1,385.5	2.9	2.9	-123.65	60.3	71.5	110.3	104.8	5.57	19.817		
1,500.0	1,493.3	1,488.5	1,482.1	3.3	3.2	-123.55	68.6	86.3	129.2	123.1	6.14	21.049		
1,600.0	1,591.2	1,586.5	1,578.6	3.7	3.6	-124.00	77.0	101.2	149.0	142.3	6.73	22.137		
1,700.0	1,689.1	1,684.4	1,675.0	4.0	3.9	-124.71	85.4	116.0	169.3	162.0	7.34	23.077		
1,800.0	1,786.9	1,782.3	1,771.4	4.4	4.2	-125.28	93.8	130.7	189.7	181.7	7.95	23.855		
1,900.0	1,884.7	1,880.2	1,867.8	4.8	4.5	-125.73	102.1	145.5	210.0	201.5	8.57	24.508		
2,000.0	1,982.5	1,978.1	1,964.2	5.2	4.9	-126.10	110.5	160.3	230.4	221.2	9.19	25.062		
2,100.0	2,080.3	2,076.0	2,060.6	5.6	5.2	-126.42	118.9	175.1	250.8	241.0	9.82	25.537		
2,200.0	2,178.1	2,173.9	2,157.1	6.0	5.5	-126.68	127.3	189.9	271.2	260.7	10.45	25.949		
2,300.0	2,275.9	2,271.8	2,253.5	6.4	5.9	-126.91	135.6	204.7	291.5	280.5	11.08	26.309		
2,400.0	2,373.8	2,369.7	2,349.9	6.8	6.2	-127.11	144.0	219.5	311.9	300.2	11.72	26.626		
2,500.0	2,471.6	2,467.6	2,446.3	7.2	6.5	-127.29	152.4	234.3	332.3	320.0	12.35	26.907		
2,600.0	2,569.4	2,565.5	2,542.7	7.6	6.9	-127.44	160.7	249.1	352.7	339.7	12.99	27.157		
2,700.0	2,667.2	2,663.3	2,639.1	8.0	7.2	-127.58	169.1	263.9	373.1	359.5	13.63	27.382		
2,800.0	2,765.0	2,761.2	2,735.5	8.4	7.6	-127.70	177.5	278.7	393.5	379.2	14.27	27.585		
2,900.0	2,862.8	2,859.1	2,831.9	8.8	7.9	-127.81	185.8	293.5	413.9	399.0	14.91	27.769		
3,000.0	2,960.7	2,957.0	2,928.3	9.2	8.2	-127.91	194.2	308.3	434.3	418.8	15.55	27.936		
3,100.0	3,058.5	3,054.9	3,024.7	9.6	8.6	-128.01	202.6	323.1	454.7	438.5	16.19	28.089		
3,200.0	3,156.3	3,152.8	3,121.1	10.0	8.9	-128.09	211.0	337.9	475.1	458.3	16.83	28.229		
3,300.0	3,254.1	3,250.7	3,217.5	10.4	9.3	-128.17	219.3	352.7	495.5	478.0	17.47	28.358		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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		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	7.3	0.0	7.3					
100.0	100.0	100.0	100.0	0.2	0.2	0.00	7.3	0.0	7.3	7.0	0.30	23.991		
200.0	200.0	200.0	200.0	0.3	0.3	0.00	7.3	0.0	7.3	6.6	0.65	11.162		
300.0	300.0	300.0	300.0	0.5	0.5	0.00	7.3	0.0	7.3	6.3	1.00	7.273		
400.0	400.0	400.0	400.0	0.7	0.7	0.00	7.3	0.0	7.3	5.9	1.35	5.393 CC, ES		
500.0	500.0	500.0	500.0	0.9	0.8	-130.06	7.3	0.0	7.8	6.1	1.70	4.598		
600.0	600.0	600.0	600.0	1.0	1.0	-141.95	7.3	0.0	9.7	7.7	2.05	4.737		
700.0	699.9	700.0	700.0	1.2	1.2	-150.20	7.2	0.9	13.0	10.6	2.40	5.411		
800.0	799.7	800.0	800.0	1.4	1.4	-152.60	7.1	3.5	17.1	14.3	2.75	6.203		
900.0	899.4	900.1	899.9	1.6	1.6	-152.17	7.0	7.8	21.9	18.7	3.11	7.018		
1,000.0	998.9	1,000.1	999.8	1.8	1.7	-150.41	6.7	14.0	27.3	23.8	3.49	7.831		
1,100.0	1,098.3	1,100.2	1,099.5	2.1	2.0	-148.10	6.4	21.8	33.5	29.6	3.88	8.630		
1,200.0	1,197.4	1,200.2	1,199.1	2.3	2.2	-145.60	6.0	31.4	40.5	36.2	4.31	9.403		
1,300.0	1,296.3	1,300.1	1,298.4	2.6	2.4	-143.11	5.5	42.7	48.3	43.5	4.76	10.136		
1,400.0	1,394.9	1,400.1	1,397.5	2.9	2.7	-140.74	5.0	55.7	56.9	51.7	5.26	10.817		
1,500.0	1,493.3	1,499.9	1,496.2	3.3	2.9	-138.53	4.3	70.5	66.4	60.6	5.81	11.439		
1,600.0	1,591.2	1,599.7	1,594.6	3.7	3.2	-136.49	3.6	86.9	76.8	70.4	6.40	11.997		
1,700.0	1,689.1	1,699.0	1,692.5	4.0	3.6	-134.84	2.9	104.2	87.7	80.7	7.03	12.483		
1,800.0	1,786.9	1,798.4	1,790.3	4.4	3.9	-133.55	2.2	121.4	98.7	91.0	7.67	12.873		
1,900.0	1,884.7	1,897.8	1,888.2	4.8	4.2	-132.53	1.5	138.6	109.7	101.4	8.31	13.191		
2,000.0	1,982.5	1,997.2	1,986.1	5.2	4.5	-131.69	0.8	155.9	120.7	111.7	8.97	13.454		
2,100.0	2,080.3	2,096.6	2,083.9	5.6	4.9	-130.99	0.0	173.1	131.7	122.1	9.63	13.673		
2,200.0	2,178.1	2,195.9	2,181.8	6.0	5.2	-130.40	-0.7	190.4	142.8	132.5	10.30	13.859		
2,300.0	2,275.9	2,295.3	2,279.7	6.4	5.5	-129.89	-1.4	207.6	153.9	142.9	10.98	14.017		
2,400.0	2,373.8	2,394.7	2,377.5	6.8	5.9	-129.45	-2.1	224.8	164.9	153.3	11.65	14.154		
2,500.0	2,471.6	2,494.1	2,475.4	7.2	6.2	-129.07	-2.9	242.1	176.0	163.7	12.33	14.273		
2,600.0	2,569.4	2,593.4	2,573.3	7.6	6.5	-128.73	-3.6	259.3	187.1	174.1	13.01	14.377		
2,700.0	2,667.2	2,692.8	2,671.1	8.0	6.9	-128.43	-4.3	276.6	198.2	184.5	13.70	14.470		
2,800.0	2,765.0	2,792.2	2,769.0	8.4	7.2	-128.17	-5.0	293.8	209.3	194.9	14.38	14.551		
2,900.0	2,862.8	2,891.6	2,866.9	8.8	7.6	-127.92	-5.8	311.1	220.4	205.4	15.07	14.625		
3,000.0	2,960.7	2,990.9	2,964.7	9.2	7.9	-127.71	-6.5	328.3	231.5	215.8	15.76	14.690		
3,100.0	3,058.5	3,090.3	3,062.6	9.6	8.3	-127.51	-7.2	345.5	242.7	226.2	16.45	14.750		
3,200.0	3,156.3	3,189.7	3,160.5	10.0	8.6	-127.33	-7.9	362.8	253.8	236.6	17.14	14.803		
3,300.0	3,254.1	3,289.1	3,258.3	10.4	8.9	-127.16	-8.6	380.0	264.9	247.1	17.83	14.852		
3,400.0	3,351.9	3,388.5	3,356.2	10.8	9.3	-127.01	-9.4	397.3	276.0	257.5	18.53	14.897		
3,500.0	3,449.7	3,487.8	3,454.1	11.2	9.6	-126.88	-10.1	414.5	287.1	267.9	19.22	14.938		
3,600.0	3,547.8	3,587.3	3,552.0	11.6	10.0	-126.67	-10.8	431.8	297.6	277.7	19.91	14.947		
3,700.0	3,646.1	3,686.4	3,649.8	11.9	10.3	-126.34	-11.5	448.3	307.2	286.6	20.57	14.930		
3,800.0	3,744.8	3,785.6	3,747.9	12.2	10.6	-126.07	-12.1	463.2	315.8	294.6	21.19	14.906		
3,900.0	3,843.7	3,885.0	3,846.3	12.5	10.9	-125.87	-12.7	476.4	323.6	301.8	21.75	14.876		
4,000.0	3,942.9	3,984.4	3,945.0	12.8	11.1	-125.73	-13.2	487.9	330.4	308.1	22.27	14.839		
4,100.0	4,042.2	4,083.8	4,044.0	13.0	11.4	-125.65	-13.6	497.7	336.3	313.6	22.73	14.796		
4,200.0	4,141.8	4,183.4	4,143.2	13.3	11.6	-125.61	-13.9	505.8	341.4	318.2	23.15	14.746		
4,300.0	4,241.5	4,282.9	4,242.6	13.5	11.8	-125.62	-14.2	512.2	345.5	321.9	23.52	14.688		
4,400.0	4,341.3	4,382.5	4,342.1	13.6	11.9	-125.67	-14.4	516.8	348.7	324.8	23.84	14.622		
4,500.0	4,441.2	4,482.2	4,441.7	13.8	12.1	-125.77	-14.5	519.7	350.9	326.8	24.12	14.548		
4,600.0	4,541.2	4,581.8	4,541.3	13.9	12.2	-125.91	-14.5	520.9	352.3	327.9	24.36	14.464		
4,700.0	4,641.2	4,681.7	4,641.2	14.0	12.3	-1.20	-14.5	520.9	352.7	334.0	18.69	18.874		
4,800.0	4,741.2	4,781.7	4,741.2	14.1	12.4	-1.20	-14.5	520.9	352.7	333.7	19.00	18.566		
4,900.0	4,841.2	4,881.7	4,841.2	14.2	12.5	-1.20	-14.5	520.9	352.7	333.4	19.31	18.266		
5,000.0	4,941.2	4,981.7	4,941.2	14.3	12.6	-1.20	-14.5	520.9	352.7	333.1	19.62	17.975		
5,100.0	5,041.2	5,081.7	5,041.2	14.4	12.8	-1.20	-14.5	520.9	352.7	332.8	19.94	17.692		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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			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	5,141.2	5,181.7	5,141.2	14.5	12.9	-1.20	-14.5	520.9	352.7	332.5	20.25	17.417		
5,300.0	5,241.2	5,281.7	5,241.2	14.6	13.0	-1.20	-14.5	520.9	352.7	332.1	20.57	17.149		
5,400.0	5,341.2	5,381.7	5,341.2	14.7	13.1	-1.20	-14.5	520.9	352.7	331.8	20.88	16.889		
5,500.0	5,441.2	5,481.7	5,441.2	14.9	13.3	-1.20	-14.5	520.9	352.7	331.5	21.20	16.636		
5,600.0	5,541.2	5,581.7	5,541.2	15.0	13.4	-1.20	-14.5	520.9	352.7	331.2	21.52	16.390		
5,700.0	5,641.2	5,681.7	5,641.2	15.1	13.5	-1.20	-14.5	520.9	352.7	330.9	21.84	16.151		
5,800.0	5,741.2	5,781.7	5,741.2	15.2	13.6	-1.20	-14.5	520.9	352.7	330.5	22.16	15.918		
5,900.0	5,841.2	5,881.7	5,841.2	15.3	13.8	-1.20	-14.5	520.9	352.7	330.2	22.48	15.690		
6,000.0	5,941.2	5,981.7	5,941.2	15.4	13.9	-1.20	-14.5	520.9	352.7	329.9	22.80	15.469		
6,100.0	6,041.2	6,081.7	6,041.2	15.6	14.0	-1.20	-14.5	520.9	352.7	329.6	23.12	15.254		
6,200.0	6,141.2	6,181.7	6,141.2	15.7	14.2	-1.20	-14.5	520.9	352.7	329.3	23.45	15.044		
6,300.0	6,241.2	6,281.7	6,241.2	15.8	14.3	-1.20	-14.5	520.9	352.7	328.9	23.77	14.839		
6,400.0	6,341.2	6,381.7	6,341.2	15.9	14.4	-1.20	-14.5	520.9	352.7	328.6	24.09	14.639		
6,500.0	6,441.2	6,480.1	6,439.3	16.0	14.5	-2.24	-14.5	514.5	352.9	328.4	24.51	14.398		
6,600.0	6,541.2	6,575.1	6,532.3	16.2	14.3	-5.28	-14.5	495.7	354.2	329.1	25.11	14.107		
6,700.0	6,641.0	6,664.9	6,617.3	16.2	14.1	80.40	-14.5	466.7	358.1	329.9	28.16	12.714		
6,800.0	6,739.4	6,750.0	6,693.8	16.1	13.9	76.35	-14.5	429.6	363.8	336.3	27.45	13.254		
6,900.0	6,834.3	6,836.6	6,766.6	15.9	13.5	72.51	-14.5	382.8	370.8	344.2	26.62	13.929		
7,000.0	6,924.0	6,919.4	6,830.5	15.6	13.3	69.16	-14.5	330.2	378.5	352.7	25.82	14.659		
7,100.0	7,006.6	7,000.0	6,886.4	15.3	13.0	66.26	-14.5	272.2	386.5	361.4	25.13	15.382		
7,200.0	7,080.6	7,080.2	6,935.2	15.0	12.9	63.79	-14.5	208.6	394.2	369.5	24.64	15.999		
7,300.0	7,144.6	7,158.9	6,976.0	14.7	13.0	61.78	-14.5	141.4	401.1	376.7	24.44	16.413		
7,400.0	7,197.3	7,236.7	7,008.7	14.6	13.3	60.21	-14.5	70.8	407.0	382.3	24.64	16.519		
7,500.0	7,237.6	7,313.9	7,033.5	14.6	13.9	59.07	-14.5	-2.3	411.5	386.2	25.29	16.268		
7,600.0	7,264.8	7,390.7	7,050.2	15.2	14.7	58.35	-14.5	-77.2	414.4	388.0	26.44	15.673		
7,700.0	7,278.4	7,467.3	7,058.8	16.4	15.7	58.05	-14.5	-153.2	415.7	387.7	28.08	14.805		
7,798.5	7,281.7	7,552.8	7,060.0	17.8	17.0	57.85	-14.5	-238.8	416.7	386.4	30.28	13.762		
7,800.0	7,280.0	7,554.3	7,060.0	17.8	17.0	58.05	-14.5	-240.3	415.7	385.4	30.36	13.694		
7,900.0	7,280.0	7,654.3	7,060.0	19.5	18.7	58.05	-14.5	-340.3	415.7	382.5	33.20	12.522		
8,000.0	7,280.0	7,754.3	7,060.0	21.3	20.5	58.05	-14.5	-440.3	415.8	379.5	36.30	11.452		
8,100.0	7,280.0	7,854.3	7,060.0	23.3	22.5	58.05	-14.5	-540.3	415.8	376.2	39.61	10.496		
8,200.0	7,280.0	7,954.3	7,060.0	25.3	24.6	58.05	-14.5	-640.3	415.8	372.7	43.08	9.652		
8,300.0	7,280.0	8,054.3	7,060.0	27.4	26.7	58.05	-14.5	-740.3	415.8	369.1	46.66	8.911		
8,400.0	7,280.0	8,154.3	7,060.0	29.6	28.9	58.06	-14.5	-840.3	415.8	365.5	50.35	8.259		
8,500.0	7,280.0	8,254.3	7,060.0	31.8	31.1	58.06	-14.4	-940.3	415.8	361.7	54.10	7.686		
8,600.0	7,280.0	8,354.3	7,060.0	34.0	33.4	58.06	-14.4	-1,040.3	415.8	357.9	57.93	7.179		
8,700.0	7,280.0	8,454.3	7,060.0	36.3	35.7	58.06	-14.4	-1,140.3	415.8	354.1	61.80	6.729		
8,800.0	7,280.0	8,554.3	7,060.0	38.6	38.0	58.06	-14.4	-1,240.3	415.9	350.2	65.71	6.329		
8,900.0	7,280.0	8,654.3	7,060.0	40.9	40.3	58.06	-14.4	-1,340.3	415.9	346.2	69.66	5.970		
9,000.0	7,280.0	8,754.3	7,060.0	43.2	42.7	58.06	-14.4	-1,440.3	415.9	342.3	73.63	5.648		
9,100.0	7,280.0	8,854.3	7,060.0	45.6	45.0	58.06	-14.4	-1,540.3	415.9	338.3	77.63	5.357		
9,200.0	7,280.0	8,954.3	7,060.0	47.9	47.4	58.07	-14.4	-1,640.3	415.9	334.3	81.65	5.094		
9,300.0	7,280.0	9,054.3	7,060.0	50.3	49.8	58.07	-14.4	-1,740.3	415.9	330.2	85.69	4.854		
9,400.0	7,280.0	9,154.3	7,060.0	52.7	52.2	58.07	-14.4	-1,840.3	415.9	326.2	89.74	4.635		
9,500.0	7,280.0	9,254.3	7,060.0	55.1	54.6	58.07	-14.4	-1,940.3	416.0	322.1	93.81	4.434		
9,600.0	7,280.0	9,354.3	7,060.0	57.5	57.0	58.07	-14.4	-2,040.3	416.0	318.1	97.89	4.249		
9,700.0	7,280.0	9,454.3	7,060.0	59.9	59.4	58.07	-14.4	-2,140.3	416.0	314.0	101.98	4.079		
9,800.0	7,280.0	9,554.3	7,060.0	62.3	61.8	58.07	-14.4	-2,240.3	416.0	309.9	106.08	3.922		
9,900.0	7,280.0	9,654.3	7,060.0	64.7	64.3	58.07	-14.3	-2,340.3	416.0	305.8	110.19	3.776		
10,000.0	7,280.0	9,754.3	7,060.0	67.1	66.7	58.07	-14.3	-2,440.3	416.0	301.7	114.30	3.640		
10,100.0	7,280.0	9,854.3	7,060.0	69.5	69.1	58.08	-14.3	-2,540.3	416.0	297.6	118.42	3.513		
10,200.0	7,280.0	9,954.3	7,060.0	71.9	71.5	58.08	-14.3	-2,640.3	416.0	293.5	122.55	3.395		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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			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	7,280.0	10,054.3	7,060.0	74.4	74.0	58.08	-14.3	-2,740.3	416.1	289.4	126.68	3.284		
10,400.0	7,280.0	10,154.3	7,060.0	76.8	76.4	58.08	-14.3	-2,840.3	416.1	285.3	130.82	3.181		
10,500.0	7,280.0	10,254.3	7,060.0	79.2	78.9	58.08	-14.3	-2,940.3	416.1	281.1	134.96	3.083		
10,600.0	7,280.0	10,354.3	7,060.0	81.7	81.3	58.08	-14.3	-3,040.3	416.1	277.0	139.10	2.991		
10,700.0	7,280.0	10,454.3	7,060.0	84.1	83.7	58.08	-14.3	-3,140.3	416.1	272.9	143.25	2.905		
10,800.0	7,280.0	10,554.3	7,060.0	86.5	86.2	58.08	-14.3	-3,240.3	416.1	268.7	147.41	2.823		
10,900.0	7,280.0	10,654.3	7,060.0	89.0	88.6	58.08	-14.3	-3,340.3	416.1	264.6	151.56	2.746		
11,000.0	7,280.0	10,754.3	7,060.0	91.4	91.1	58.09	-14.3	-3,440.3	416.2	260.4	155.72	2.672		
11,100.0	7,280.0	10,854.3	7,060.0	93.9	93.5	58.09	-14.3	-3,540.3	416.2	256.3	159.88	2.603		
11,200.0	7,280.0	10,954.3	7,060.0	96.3	96.0	58.09	-14.3	-3,640.3	416.2	252.1	164.05	2.537		
11,300.0	7,280.0	11,054.3	7,060.0	98.8	98.4	58.09	-14.2	-3,740.3	416.2	248.0	168.21	2.474		
11,400.0	7,280.0	11,154.3	7,060.0	101.2	100.9	58.09	-14.2	-3,840.3	416.2	243.8	172.38	2.414		
11,500.0	7,280.0	11,254.3	7,060.0	103.7	103.3	58.09	-14.2	-3,940.3	416.2	239.7	176.55	2.358		
11,600.0	7,280.0	11,354.3	7,060.0	106.1	105.8	58.09	-14.2	-4,040.3	416.2	235.5	180.72	2.303		
11,700.0	7,280.0	11,454.3	7,060.0	108.6	108.3	58.09	-14.2	-4,140.3	416.2	231.3	184.90	2.251		
11,715.7	7,280.0	11,470.0	7,060.0	109.0	108.6	58.09	-14.2	-4,156.0	416.2	230.7	185.55	2.243 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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	Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-180.00	-10.9	0.0	10.9					
100.0	100.0	101.0	101.0	0.2	0.2	-180.00	-10.9	0.0	10.9	10.6	0.31	35.781		
200.0	200.0	201.0	201.0	0.3	0.3	-180.00	-10.9	0.0	10.9	10.3	0.65	16.698		
266.3	266.3	267.3	267.3	0.4	0.4	-180.00	-10.9	0.0	10.9	10.0	0.89	12.334 CC		
300.0	300.0	301.0	301.0	0.5	0.5	180.00	-10.9	0.0	10.9	9.9	1.00	10.890 ES		
400.0	400.0	400.8	400.8	0.7	0.7	177.38	-11.6	0.5	11.7	10.3	1.35	8.611		
500.0	500.0	500.6	500.6	0.9	0.9	49.18	-13.7	2.1	13.3	11.6	1.70	7.822		
600.0	600.0	600.4	600.3	1.0	1.0	48.18	-17.2	4.7	15.4	13.3	2.06	7.472		
700.0	699.9	700.0	699.7	1.2	1.2	48.83	-22.1	8.4	17.8	15.3	2.42	7.350		
800.0	799.7	799.8	799.2	1.4	1.4	50.50	-28.3	13.1	20.5	17.7	2.79	7.356		
900.0	899.4	899.4	898.3	1.6	1.7	52.76	-36.0	18.8	23.6	20.5	3.18	7.439		
1,000.0	998.9	999.0	997.3	1.8	1.9	55.30	-45.0	25.6	27.2	23.6	3.60	7.564		
1,100.0	1,098.3	1,098.5	1,095.9	2.1	2.2	57.92	-55.4	33.4	31.2	27.2	4.05	7.708		
1,200.0	1,197.4	1,198.0	1,194.3	2.3	2.5	60.50	-67.1	42.2	35.7	31.1	4.54	7.854		
1,300.0	1,296.3	1,297.3	1,292.3	2.6	2.8	62.95	-80.2	52.0	40.7	35.6	5.09	7.992		
1,400.0	1,394.9	1,396.7	1,390.0	2.9	3.1	65.25	-94.6	62.8	46.1	40.5	5.68	8.116		
1,500.0	1,493.3	1,495.9	1,487.2	3.3	3.5	67.37	-110.4	74.7	52.1	45.8	6.34	8.224		
1,600.0	1,591.2	1,595.1	1,584.1	3.7	3.9	69.30	-127.5	87.5	58.6	51.6	7.05	8.316		
1,700.0	1,689.1	1,694.1	1,680.4	4.0	4.3	70.42	-145.9	101.3	66.0	58.2	7.79	8.475		
1,800.0	1,786.9	1,793.0	1,776.2	4.4	4.8	70.25	-165.6	116.1	74.4	65.9	8.51	8.741		
1,900.0	1,884.7	1,892.6	1,872.3	4.8	5.2	69.59	-186.2	131.6	83.3	74.1	9.22	9.043		
2,000.0	1,982.5	1,992.2	1,968.5	5.2	5.7	69.05	-206.8	147.1	92.3	82.4	9.93	9.298		
2,100.0	2,080.3	2,091.7	2,064.7	5.6	6.2	68.60	-227.4	162.6	101.4	90.7	10.65	9.516		
2,200.0	2,178.1	2,191.3	2,160.9	6.0	6.6	68.23	-248.0	178.0	110.4	99.0	11.37	9.704		
2,300.0	2,275.9	2,290.9	2,257.1	6.4	7.1	67.92	-268.7	193.5	119.4	107.3	12.10	9.867		
2,400.0	2,373.8	2,390.5	2,353.3	6.8	7.6	67.64	-289.3	209.0	128.4	115.6	12.83	10.011		
2,500.0	2,471.6	2,490.1	2,449.5	7.2	8.1	67.41	-309.9	224.5	137.4	123.9	13.56	10.137		
2,600.0	2,569.4	2,589.7	2,545.7	7.6	8.5	67.20	-330.5	239.9	146.4	132.2	14.29	10.250		
2,700.0	2,667.2	2,689.3	2,641.9	8.0	9.0	67.02	-351.1	255.4	155.5	140.4	15.02	10.351		
2,800.0	2,765.0	2,788.9	2,738.1	8.4	9.5	66.86	-371.7	270.9	164.5	148.7	15.75	10.442		
2,900.0	2,862.8	2,888.5	2,834.3	8.8	10.0	66.71	-392.3	286.4	173.5	157.0	16.49	10.524		
3,000.0	2,960.7	2,988.1	2,930.5	9.2	10.5	66.58	-412.9	301.8	182.5	165.3	17.22	10.599		
3,100.0	3,058.5	3,087.7	3,026.7	9.6	10.9	66.46	-433.6	317.3	191.6	173.6	17.96	10.667		
3,200.0	3,156.3	3,187.2	3,122.9	10.0	11.4	66.35	-454.2	332.8	200.6	181.9	18.70	10.730		
3,300.0	3,254.1	3,286.8	3,219.1	10.4	11.9	66.25	-474.8	348.3	209.6	190.2	19.43	10.787		
3,400.0	3,351.9	3,386.4	3,315.3	10.8	12.4	66.16	-495.4	363.8	218.7	198.5	20.17	10.840		
3,500.0	3,449.7	3,486.0	3,411.5	11.2	12.9	66.09	-516.0	379.2	227.7	206.8	20.91	10.889		
3,600.0	3,547.8	3,585.6	3,507.6	11.6	13.4	65.86	-536.6	394.7	237.2	215.6	21.60	10.982		
3,700.0	3,646.1	3,685.0	3,603.7	11.9	13.8	65.30	-557.2	410.2	247.3	225.2	22.19	11.145		
3,800.0	3,744.8	3,786.9	3,702.2	12.2	14.3	64.51	-577.8	425.6	257.9	235.2	22.71	11.356		
3,900.0	3,843.7	3,889.5	3,802.0	12.5	14.8	63.72	-597.2	440.2	268.1	244.9	23.18	11.566		
4,000.0	3,942.9	3,992.4	3,902.4	12.8	15.2	62.92	-615.2	453.7	277.9	254.3	23.59	11.777		
4,100.0	4,042.2	4,095.5	4,003.4	13.0	15.6	62.11	-631.8	466.2	287.2	263.2	23.95	11.989		
4,200.0	4,141.8	4,198.9	4,105.0	13.3	15.9	61.29	-647.0	477.6	296.1	271.9	24.27	12.203		
4,300.0	4,241.5	4,302.4	4,207.1	13.5	16.3	60.46	-660.7	487.9	304.6	280.1	24.53	12.420		
4,400.0	4,341.3	4,406.1	4,309.6	13.6	16.6	59.61	-673.0	497.1	312.7	288.0	24.74	12.641		
4,500.0	4,441.2	4,510.1	4,412.7	13.8	16.9	58.75	-683.8	505.2	320.4	295.5	24.91	12.866		
4,600.0	4,541.2	4,614.2	4,516.2	13.9	17.1	57.86	-693.1	512.2	327.8	302.7	25.03	13.096		
4,700.0	4,641.2	4,718.5	4,620.0	14.0	17.3	-178.25	-701.0	518.1	334.7	310.0	24.71	13.546		
4,800.0	4,741.2	4,823.0	4,724.3	14.1	17.5	-179.08	-707.3	522.8	340.6	315.4	25.22	13.503		
4,900.0	4,841.2	4,927.8	4,828.9	14.2	17.7	-179.69	-712.1	526.5	345.2	319.5	25.67	13.447		
5,000.0	4,941.2	5,032.8	4,933.8	14.3	17.8	179.90	-715.4	528.9	348.3	322.3	26.05	13.373		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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			
5,100.0	5,041.2	5,138.0	5,038.9	14.4	17.9	179.68	-717.1	530.2	350.0	323.6	26.36	13.279		
5,200.0	5,141.2	5,241.3	5,142.2	14.5	18.0	179.64	-717.5	530.5	350.3	323.7	26.61	13.163		
5,300.0	5,241.2	5,341.3	5,242.2	14.6	18.1	179.64	-717.5	530.5	350.3	323.4	26.86	13.042		
5,400.0	5,341.2	5,441.3	5,342.2	14.7	18.2	179.64	-717.5	530.5	350.3	323.2	27.11	12.923		
5,500.0	5,441.2	5,541.3	5,442.2	14.9	18.3	179.64	-717.5	530.5	350.3	322.9	27.36	12.805		
5,600.0	5,541.2	5,641.3	5,542.2	15.0	18.4	179.64	-717.5	530.5	350.3	322.7	27.61	12.688		
5,700.0	5,641.2	5,741.3	5,642.2	15.1	18.5	179.64	-717.5	530.5	350.3	322.4	27.86	12.572		
5,800.0	5,741.2	5,841.3	5,742.2	15.2	18.6	179.64	-717.5	530.5	350.3	322.2	28.12	12.458		
5,900.0	5,841.2	5,941.3	5,842.2	15.3	18.7	179.64	-717.5	530.5	350.3	321.9	28.38	12.345		
6,000.0	5,941.2	6,041.3	5,942.2	15.4	18.8	179.64	-717.5	530.5	350.3	321.7	28.64	12.233		
6,100.0	6,041.2	6,141.3	6,042.2	15.6	18.9	179.64	-717.5	530.5	350.3	321.4	28.90	12.122		
6,200.0	6,141.2	6,241.3	6,142.2	15.7	19.0	179.64	-717.5	530.5	350.3	321.1	29.16	12.012		
6,300.0	6,241.2	6,341.3	6,242.2	15.8	19.1	179.64	-717.5	530.5	350.3	320.9	29.43	11.904		
6,400.0	6,341.2	6,441.3	6,342.2	15.9	19.2	179.64	-717.5	530.5	350.3	320.6	29.69	11.797		
6,458.6	6,399.8	6,499.9	6,400.8	16.0	19.2	-180.00	-717.5	528.3	350.3	320.5	29.78	11.764		
6,500.0	6,441.2	6,541.0	6,441.6	16.0	19.2	-179.28	-717.5	523.9	350.3	320.6	29.74	11.777		
6,600.0	6,541.2	6,637.0	6,535.6	16.2	19.1	-176.13	-717.5	504.6	351.1	321.7	29.40	11.945		
6,700.0	6,641.0	6,727.9	6,621.4	16.2	18.9	-81.69	-717.5	474.9	354.3	323.6	30.71	11.537		
6,800.0	6,739.4	6,815.7	6,700.2	16.1	18.7	-77.43	-717.5	436.1	359.5	328.6	30.93	11.622		
6,900.0	6,834.3	6,900.0	6,770.7	15.9	18.5	-73.57	-717.5	390.1	366.2	335.5	30.70	11.931		
7,000.0	6,924.0	6,984.4	6,835.5	15.6	18.2	-70.03	-717.5	336.0	373.8	343.8	30.03	12.449		
7,100.0	7,006.6	7,066.0	6,891.6	15.3	18.0	-66.97	-717.4	276.8	381.8	352.8	29.05	13.145		
7,200.0	7,080.6	7,150.0	6,942.0	15.0	17.9	-64.27	-717.4	209.7	389.7	361.8	27.90	13.966		
7,300.0	7,144.6	7,225.1	6,980.1	14.7	17.8	-62.20	-717.4	145.0	396.9	370.0	26.87	14.767		
7,400.0	7,197.3	7,300.0	7,011.1	14.6	17.8	-60.53	-717.4	76.9	403.1	376.9	26.20	15.385		
7,500.0	7,237.6	7,380.6	7,036.4	14.6	17.9	-59.21	-717.4	0.4	408.1	381.9	26.20	15.573		
7,600.0	7,264.8	7,457.5	7,052.4	15.2	18.3	-58.36	-717.4	-74.8	411.5	384.5	27.02	15.229		
7,700.0	7,278.4	7,534.1	7,060.2	16.4	18.8	-57.92	-717.4	-151.0	413.3	384.6	28.75	14.374		
7,800.0	7,280.0	7,623.4	7,061.0	17.8	19.7	-57.86	-717.4	-240.3	413.6	382.3	31.21	13.249		
7,900.0	7,280.0	7,723.4	7,061.0	19.5	21.1	-57.86	-717.4	-340.3	413.6	379.6	34.00	12.163		
8,000.0	7,280.0	7,823.4	7,061.0	21.3	22.7	-57.86	-717.4	-440.3	413.5	376.5	37.05	11.161		
8,100.0	7,280.0	7,923.4	7,061.0	23.3	24.6	-57.86	-717.4	-540.3	413.5	373.2	40.31	10.258		
8,200.0	7,280.0	8,023.4	7,061.0	25.3	26.5	-57.86	-717.4	-640.3	413.5	369.8	43.73	9.456		
8,300.0	7,280.0	8,123.4	7,061.0	27.4	28.5	-57.86	-717.4	-740.3	413.5	366.2	47.28	8.747		
8,400.0	7,280.0	8,223.4	7,061.0	29.6	30.6	-57.86	-717.4	-840.3	413.5	362.6	50.92	8.121		
8,500.0	7,280.0	8,323.4	7,061.0	31.8	32.7	-57.86	-717.4	-940.3	413.5	358.8	54.64	7.567		
8,600.0	7,280.0	8,423.4	7,061.0	34.0	34.9	-57.85	-717.4	-1,040.3	413.5	355.0	58.43	7.077		
8,700.0	7,280.0	8,523.4	7,061.0	36.3	37.1	-57.85	-717.4	-1,140.3	413.5	351.2	62.27	6.640		
8,800.0	7,280.0	8,623.4	7,061.0	38.6	39.4	-57.85	-717.4	-1,240.3	413.5	347.3	66.15	6.250		
8,900.0	7,280.0	8,723.4	7,061.0	40.9	41.7	-57.85	-717.4	-1,340.3	413.4	343.4	70.07	5.901		
9,000.0	7,280.0	8,823.4	7,061.0	43.2	44.0	-57.85	-717.4	-1,440.3	413.4	339.4	74.02	5.586		
9,100.0	7,280.0	8,923.4	7,061.0	45.6	46.3	-57.85	-717.4	-1,540.3	413.4	335.4	77.99	5.301		
9,200.0	7,280.0	9,023.4	7,061.0	47.9	48.6	-57.85	-717.4	-1,640.3	413.4	331.4	81.99	5.042		
9,300.0	7,280.0	9,123.4	7,061.0	50.3	51.0	-57.85	-717.4	-1,740.3	413.4	327.4	86.00	4.807		
9,400.0	7,280.0	9,223.4	7,061.0	52.7	53.3	-57.85	-717.4	-1,840.3	413.4	323.4	90.03	4.592		
9,500.0	7,280.0	9,323.4	7,061.0	55.1	55.7	-57.85	-717.4	-1,940.3	413.4	319.3	94.08	4.394		
9,600.0	7,280.0	9,423.4	7,061.0	57.5	58.1	-57.85	-717.4	-2,040.3	413.4	315.2	98.14	4.212		
9,700.0	7,280.0	9,523.4	7,061.0	59.9	60.4	-57.84	-717.4	-2,140.3	413.4	311.2	102.21	4.044		
9,800.0	7,280.0	9,623.4	7,061.0	62.3	62.8	-57.84	-717.4	-2,240.3	413.4	307.1	106.28	3.889		
9,900.0	7,280.0	9,723.4	7,061.0	64.7	65.2	-57.84	-717.4	-2,340.3	413.3	303.0	110.37	3.745		
10,000.0	7,280.0	9,823.4	7,061.0	67.1	67.6	-57.84	-717.4	-2,440.3	413.3	298.9	114.47	3.611		
10,100.0	7,280.0	9,923.4	7,061.0	69.5	70.0	-57.84	-717.3	-2,540.3	413.3	294.8	118.57	3.486		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - 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 (°)	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)				
10,200.0	7,280.0	10,023.4	7,061.0	71.9	72.5	-57.84	-717.3	-2,640.3	413.3	290.6	122.67	3.369		
10,300.0	7,280.0	10,123.4	7,061.0	74.4	74.9	-57.84	-717.3	-2,740.3	413.3	286.5	126.79	3.260		
10,400.0	7,280.0	10,223.4	7,061.0	76.8	77.3	-57.84	-717.3	-2,840.3	413.3	282.4	130.91	3.157		
10,500.0	7,280.0	10,323.4	7,061.0	79.2	79.7	-57.84	-717.3	-2,940.3	413.3	278.3	135.03	3.061		
10,600.0	7,280.0	10,423.4	7,061.0	81.7	82.1	-57.84	-717.3	-3,040.3	413.3	274.1	139.16	2.970		
10,700.0	7,280.0	10,523.4	7,061.0	84.1	84.6	-57.84	-717.3	-3,140.3	413.3	270.0	143.29	2.884		
10,800.0	7,280.0	10,623.4	7,061.0	86.5	87.0	-57.83	-717.3	-3,240.3	413.3	265.8	147.42	2.803		
10,900.0	7,280.0	10,723.4	7,061.0	89.0	89.4	-57.83	-717.3	-3,340.3	413.2	261.7	151.56	2.727		
11,000.0	7,280.0	10,823.4	7,061.0	91.4	91.9	-57.83	-717.3	-3,440.3	413.2	257.5	155.70	2.654		
11,100.0	7,280.0	10,923.4	7,061.0	93.9	94.3	-57.83	-717.3	-3,540.3	413.2	253.4	159.84	2.585		
11,200.0	7,280.0	11,023.4	7,061.0	96.3	96.7	-57.83	-717.3	-3,640.3	413.2	249.2	163.99	2.520		
11,300.0	7,280.0	11,123.4	7,061.0	98.8	99.2	-57.83	-717.3	-3,740.3	413.2	245.1	168.13	2.458		
11,400.0	7,280.0	11,223.4	7,061.0	101.2	101.6	-57.83	-717.3	-3,840.3	413.2	240.9	172.28	2.398		
11,500.0	7,280.0	11,323.4	7,061.0	103.7	104.1	-57.83	-717.3	-3,940.3	413.2	236.7	176.43	2.342		
11,600.0	7,280.0	11,423.4	7,061.0	106.1	106.5	-57.83	-717.3	-4,040.3	413.2	232.6	180.59	2.288		
11,700.0	7,280.0	11,523.4	7,061.0	108.6	109.0	-57.83	-717.3	-4,140.3	413.2	228.4	184.74	2.236		
11,715.7	7,280.0	11,539.2	7,061.0	109.0	109.3	-57.83	-717.3	-4,156.0	413.2	227.8	185.40	2.229 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S6-T3N-R68W (Zisch/Drieth) - Drieth 4G-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			
0.0	0.0	1.0	1.0	0.0	0.0	-180.00	-21.9	0.0	21.9					
100.0	100.0	101.0	101.0	0.2	0.2	-180.00	-21.9	0.0	21.9	21.6	0.31	71.561		
166.3	166.3	167.3	167.3	0.3	0.3	-180.00	-21.9	0.0	21.9	21.3	0.54	40.705 CC		
200.0	200.0	201.0	201.0	0.3	0.3	180.00	-21.9	0.0	21.9	21.2	0.65	33.396 ES		
300.0	300.0	300.6	300.6	0.5	0.5	178.99	-22.6	0.4	22.7	21.6	1.00	22.564		
400.0	400.0	400.2	400.2	0.7	0.7	176.37	-25.0	1.6	25.0	23.7	1.36	18.449		
500.0	500.0	499.7	499.6	0.9	0.9	49.47	-28.8	3.5	28.5	26.8	1.70	16.756		
600.0	600.0	599.2	598.8	1.0	1.1	49.06	-34.3	6.3	32.5	30.5	2.06	15.816		
700.0	699.9	698.5	697.9	1.2	1.3	49.83	-41.2	9.8	37.0	34.6	2.42	15.311		
800.0	799.7	797.7	796.7	1.4	1.5	51.35	-49.6	14.1	41.9	39.2	2.79	15.057		
900.0	899.4	896.9	895.2	1.6	1.8	53.35	-59.6	19.2	47.5	44.3	3.17	14.952		
1,000.0	998.9	995.9	993.3	1.8	2.0	55.60	-71.1	25.0	53.6	50.0	3.59	14.930 SF		
1,100.0	1,098.3	1,094.8	1,091.1	2.1	2.3	57.96	-84.0	31.5	60.3	56.3	4.03	14.949		
1,200.0	1,197.4	1,193.5	1,188.5	2.3	2.6	60.34	-98.5	38.9	67.7	63.2	4.52	14.981		
1,300.0	1,296.3	1,292.1	1,285.5	2.6	3.0	62.65	-114.4	46.9	75.9	70.8	5.06	15.009		
1,400.0	1,394.9	1,390.5	1,382.0	2.9	3.4	64.86	-131.8	55.8	84.7	79.1	5.64	15.023		
1,500.0	1,493.3	1,488.8	1,478.0	3.3	3.7	66.94	-150.6	65.3	94.4	88.1	6.28	15.021		
1,600.0	1,591.2	1,586.9	1,573.4	3.7	4.2	68.89	-170.8	75.6	104.7	97.8	6.98	15.004		
1,700.0	1,689.1	1,684.8	1,668.3	4.0	4.6	70.39	-192.5	86.6	116.2	108.5	7.71	15.075		
1,800.0	1,786.9	1,782.5	1,762.4	4.4	5.1	71.11	-215.5	98.2	128.9	120.5	8.44	15.279		
1,900.0	1,884.7	1,881.3	1,857.4	4.8	5.6	71.39	-239.8	110.6	142.5	133.3	9.17	15.539		
2,000.0	1,982.5	1,980.3	1,952.6	5.2	6.1	71.62	-264.1	122.9	156.1	146.2	9.91	15.751		
2,100.0	2,080.3	2,079.4	2,047.9	5.6	6.6	71.80	-288.5	135.3	169.7	159.0	10.65	15.925		
2,200.0	2,178.1	2,178.5	2,143.1	6.0	7.1	71.97	-312.8	147.6	183.2	171.8	11.40	16.069		
2,300.0	2,275.9	2,277.5	2,238.3	6.4	7.6	72.10	-337.2	160.0	196.8	184.7	12.16	16.191		
2,400.0	2,373.8	2,376.6	2,333.6	6.8	8.1	72.23	-361.5	172.3	210.4	197.5	12.91	16.294		
2,500.0	2,471.6	2,475.7	2,428.8	7.2	8.6	72.33	-385.9	184.7	224.0	210.3	13.67	16.383		
2,600.0	2,569.4	2,574.8	2,524.0	7.6	9.1	72.43	-410.2	197.0	237.6	223.2	14.44	16.460		
2,700.0	2,667.2	2,673.8	2,619.3	8.0	9.6	72.51	-434.6	209.4	251.2	236.0	15.20	16.527		
2,800.0	2,765.0	2,772.9	2,714.5	8.4	10.1	72.58	-458.9	221.7	264.8	248.8	15.96	16.587		
2,900.0	2,862.8	2,872.0	2,809.7	8.8	10.6	72.65	-483.3	234.1	278.4	261.7	16.73	16.639		
3,000.0	2,960.7	2,971.0	2,905.0	9.2	11.1	72.71	-507.7	246.5	292.0	274.5	17.50	16.686		
3,100.0	3,058.5	3,070.1	3,000.2	9.6	11.6	72.77	-532.0	258.8	305.6	287.3	18.27	16.728		
3,200.0	3,156.3	3,169.2	3,095.4	10.0	12.1	72.82	-556.4	271.2	319.2	300.1	19.04	16.765		
3,300.0	3,254.1	3,268.3	3,190.7	10.4	12.6	72.87	-580.7	283.5	332.8	312.9	19.81	16.799		
3,400.0	3,351.9	3,367.3	3,285.9	10.8	13.1	72.91	-605.1	295.9	346.3	325.8	20.58	16.830		
3,500.0	3,449.7	3,466.4	3,381.1	11.2	13.6	72.96	-629.4	308.2	359.9	338.6	21.35	16.858		
3,600.0	3,547.8	3,565.4	3,476.3	11.6	14.1	72.98	-653.8	320.6	373.8	351.8	22.09	16.925		
3,700.0	3,646.1	3,664.4	3,571.4	11.9	14.6	72.76	-678.1	332.9	388.3	365.5	22.76	17.060		
3,800.0	3,744.8	3,763.1	3,666.4	12.2	15.1	72.34	-702.4	345.2	403.2	379.8	23.36	17.259		
3,900.0	3,843.7	3,861.8	3,761.2	12.5	15.6	71.73	-726.6	357.5	418.7	394.8	23.90	17.521		
4,000.0	3,942.9	3,960.2	3,855.8	12.8	16.1	70.96	-750.8	369.8	434.9	410.5	24.37	17.845		
4,100.0	4,042.2	4,058.5	3,950.3	13.0	16.6	70.05	-775.0	382.1	451.7	427.0	24.77	18.234		
4,200.0	4,141.8	4,156.5	4,044.5	13.3	17.2	69.03	-799.0	394.3	469.3	444.2	25.11	18.688		
4,300.0	4,241.5	4,254.2	4,138.4	13.5	17.7	67.92	-823.1	406.5	487.8	462.4	25.39	19.211		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												S6-T3N-R68W (Zisch/Drieth) - Zisch 23-6-M368 - DD - 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)							
9,800.0	7,280.0	7,704.7	7,281.0	62.3	39.8	-90.00	-550.0	-2,624.0	425.0	335.1	89.87	4.728					
9,900.0	7,280.0	7,704.7	7,281.0	64.7	39.8	-90.00	-550.0	-2,624.0	337.4	245.1	92.29	3.656					
10,000.0	7,280.0	7,704.7	7,281.0	67.1	39.8	-90.00	-550.0	-2,624.0	259.0	164.3	94.72	2.735					
10,100.0	7,280.0	7,704.7	7,281.0	69.5	39.8	-90.00	-550.0	-2,624.0	200.9	103.7	97.14	2.068					
10,183.7	7,280.0	7,704.7	7,281.0	71.5	39.8	-90.00	-550.0	-2,624.0	182.6	83.4	99.18	1.841	CC, ES				
10,200.0	7,280.0	7,704.7	7,281.0	71.9	39.8	-90.00	-550.0	-2,624.0	183.3	83.8	99.57	1.841	SF				
10,300.0	7,280.0	7,704.7	7,281.0	74.4	39.8	-90.00	-550.0	-2,624.0	216.5	114.5	102.00	2.122					
10,400.0	7,280.0	7,704.7	7,281.0	76.8	39.8	-90.00	-550.0	-2,624.0	283.1	178.6	104.44	2.710					
10,500.0	7,280.0	7,704.7	7,281.0	79.2	39.8	-90.00	-550.0	-2,624.0	365.2	258.3	106.88	3.417					
10,600.0	7,280.0	7,704.7	7,281.0	81.7	39.8	-90.00	-550.0	-2,624.0	454.6	345.2	109.32	4.158					

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Drieth 4E-6H-I368
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5123.0ft (Original Well Elev)
Reference Site:	S6-T3N-R68W (Zisch/Drieth)	MD Reference:	WELL @ 5123.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Drieth 4E-6H-I368	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5123.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

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

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.30°

