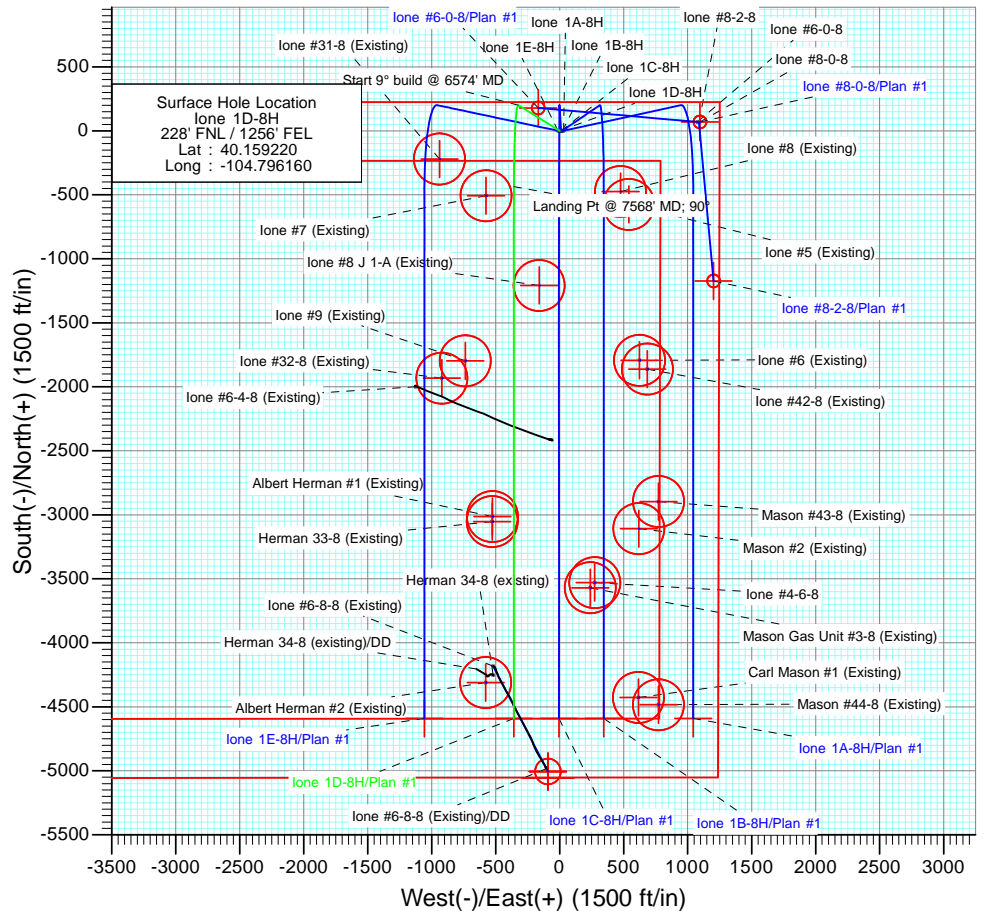
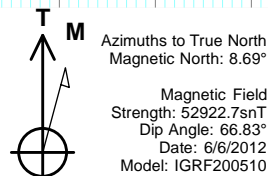


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	417.5	3.52	301.78	417.4	1.9	-3.1	3.00	301.78	-1.9	
4	6547.3	3.52	301.78	6535.7	200.4	-323.5	0.00	0.00	-200.4	
5	7568.0	90.00	180.00	7192.0	-435.9	-357.8	9.00	-121.73	435.9	
6	11722.0	90.00	180.00	7192.0	-4589.9	-357.8	0.00	0.00	4589.9	Ione 1D-8H PBHL



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4394.0	4401.6	Sussex
4680.0	4688.2	Sussex Marker
4985.0	4993.7	Shannon
7044.0	7124.7	Sharon Springs
7120.0	7262.0	Niobrara
7165.0	7381.8	B Chalk



Type	Target	Azimuth	Origin	N/S	E/W	From
User	No Target (Freehand)	Slot	Type			TVD
Ione 1D-8H PBHL		7192.0	+N/-S	0.0	Latitude	0.0
		-4589.9	+E/-W	0.0	Longitude	0.0
		-357.8				

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1D-8H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site:	S8-T2N-R66W (lone)	North Reference:	True
Well:	lone 1D-8H	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		S8-T2N-R66W (lone)			
Site Position:		Northing:	1,297,444.41 ft	Latitude:	40.147740
From:	Lat/Long	Easting:	3,196,240.52 ft	Longitude:	-104.798020
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.45 °

Well	lone 1D-8H					
Well Position	+N/-S	0.0 ft	Northing:	1,301,630.33 ft	Latitude:	40.159220
	+E/-W	0.0 ft	Easting:	3,196,727.27 ft	Longitude:	-104.796160
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,904.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	6/6/2012	8.68	66.83	52,923

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	180.00

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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
417.5	3.52	301.78	417.4	1.9	-3.1	3.00	3.00	0.00	301.78	
6,547.3	3.52	301.78	6,535.7	200.4	-323.5	0.00	0.00	0.00	0.00	
7,568.0	90.00	180.00	7,192.0	-435.9	-357.8	9.00	8.47	-11.93	-121.73	
11,722.0	90.00	180.00	7,192.0	-4,589.9	-357.8	0.00	0.00	0.00	0.00	lone 1D-8H PBHL

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1D-8H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site:	S8-T2N-R66W (lone)	North Reference:	True
Well:	lone 1D-8H	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	KOP @ 300'
400.0	3.00	301.78	400.0	1.4	-2.2	-1.4	3.00	3.00	
417.5	3.52	301.78	417.4	1.9	-3.1	-1.9	3.00	3.00	EOB; Inc=3.52°
500.0	3.52	301.78	499.8	4.6	-7.4	-4.6	0.00	0.00	
600.0	3.52	301.78	599.6	7.8	-12.6	-7.8	0.00	0.00	
700.0	3.52	301.78	699.4	11.0	-17.8	-11.0	0.00	0.00	
800.0	3.52	301.78	799.2	14.3	-23.1	-14.3	0.00	0.00	
900.0	3.52	301.78	899.0	17.5	-28.3	-17.5	0.00	0.00	
1,000.0	3.52	301.78	998.8	20.8	-33.5	-20.8	0.00	0.00	
1,100.0	3.52	301.78	1,098.6	24.0	-38.7	-24.0	0.00	0.00	
1,200.0	3.52	301.78	1,198.4	27.2	-44.0	-27.2	0.00	0.00	
1,300.0	3.52	301.78	1,298.3	30.5	-49.2	-30.5	0.00	0.00	
1,400.0	3.52	301.78	1,398.1	33.7	-54.4	-33.7	0.00	0.00	
1,500.0	3.52	301.78	1,497.9	37.0	-59.7	-37.0	0.00	0.00	
1,600.0	3.52	301.78	1,597.7	40.2	-64.9	-40.2	0.00	0.00	
1,700.0	3.52	301.78	1,697.5	43.4	-70.1	-43.4	0.00	0.00	
1,800.0	3.52	301.78	1,797.3	46.7	-75.3	-46.7	0.00	0.00	
1,900.0	3.52	301.78	1,897.1	49.9	-80.6	-49.9	0.00	0.00	
2,000.0	3.52	301.78	1,996.9	53.1	-85.8	-53.1	0.00	0.00	
2,100.0	3.52	301.78	2,096.7	56.4	-91.0	-56.4	0.00	0.00	
2,200.0	3.52	301.78	2,196.6	59.6	-96.2	-59.6	0.00	0.00	
2,300.0	3.52	301.78	2,296.4	62.9	-101.5	-62.9	0.00	0.00	
2,400.0	3.52	301.78	2,396.2	66.1	-106.7	-66.1	0.00	0.00	
2,500.0	3.52	301.78	2,496.0	69.3	-111.9	-69.3	0.00	0.00	
2,600.0	3.52	301.78	2,595.8	72.6	-117.1	-72.6	0.00	0.00	
2,700.0	3.52	301.78	2,695.6	75.8	-122.4	-75.8	0.00	0.00	
2,800.0	3.52	301.78	2,795.4	79.0	-127.6	-79.0	0.00	0.00	
2,900.0	3.52	301.78	2,895.2	82.3	-132.8	-82.3	0.00	0.00	
3,000.0	3.52	301.78	2,995.0	85.5	-138.1	-85.5	0.00	0.00	
3,100.0	3.52	301.78	3,094.9	88.8	-143.3	-88.8	0.00	0.00	
3,200.0	3.52	301.78	3,194.7	92.0	-148.5	-92.0	0.00	0.00	
3,300.0	3.52	301.78	3,294.5	95.2	-153.7	-95.2	0.00	0.00	
3,400.0	3.52	301.78	3,394.3	98.5	-159.0	-98.5	0.00	0.00	
3,500.0	3.52	301.78	3,494.1	101.7	-164.2	-101.7	0.00	0.00	
3,600.0	3.52	301.78	3,593.9	104.9	-169.4	-104.9	0.00	0.00	
3,700.0	3.52	301.78	3,693.7	108.2	-174.6	-108.2	0.00	0.00	
3,800.0	3.52	301.78	3,793.5	111.4	-179.9	-111.4	0.00	0.00	
3,900.0	3.52	301.78	3,893.3	114.7	-185.1	-114.7	0.00	0.00	
4,000.0	3.52	301.78	3,993.1	117.9	-190.3	-117.9	0.00	0.00	
4,100.0	3.52	301.78	4,093.0	121.1	-195.5	-121.1	0.00	0.00	
4,200.0	3.52	301.78	4,192.8	124.4	-200.8	-124.4	0.00	0.00	
4,300.0	3.52	301.78	4,292.6	127.6	-206.0	-127.6	0.00	0.00	
4,400.0	3.52	301.78	4,392.4	130.8	-211.2	-130.8	0.00	0.00	
4,401.6	3.52	301.78	4,394.0	130.9	-211.3	-130.9	0.00	0.00	Sussex
4,500.0	3.52	301.78	4,492.2	134.1	-216.4	-134.1	0.00	0.00	
4,600.0	3.52	301.78	4,592.0	137.3	-221.7	-137.3	0.00	0.00	
4,688.2	3.52	301.78	4,680.0	140.2	-226.3	-140.2	0.00	0.00	Sussex Marker
4,700.0	3.52	301.78	4,691.8	140.6	-226.9	-140.6	0.00	0.00	
4,800.0	3.52	301.78	4,791.6	143.8	-232.1	-143.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1D-8H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site:	S8-T2N-R66W (lone)	North Reference:	True
Well:	lone 1D-8H	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
4,900.0	3.52	301.78	4,891.4	147.0	-237.4	-147.0	0.00	0.00	
4,993.7	3.52	301.78	4,985.0	150.1	-242.3	-150.1	0.00	0.00	Shannon
5,000.0	3.52	301.78	4,991.3	150.3	-242.6	-150.3	0.00	0.00	
5,100.0	3.52	301.78	5,091.1	153.5	-247.8	-153.5	0.00	0.00	
5,200.0	3.52	301.78	5,190.9	156.8	-253.0	-156.8	0.00	0.00	
5,300.0	3.52	301.78	5,290.7	160.0	-258.3	-160.0	0.00	0.00	
5,400.0	3.52	301.78	5,390.5	163.2	-263.5	-163.2	0.00	0.00	
5,500.0	3.52	301.78	5,490.3	166.5	-268.7	-166.5	0.00	0.00	
5,600.0	3.52	301.78	5,590.1	169.7	-273.9	-169.7	0.00	0.00	
5,700.0	3.52	301.78	5,689.9	172.9	-279.2	-172.9	0.00	0.00	
5,800.0	3.52	301.78	5,789.7	176.2	-284.4	-176.2	0.00	0.00	
5,900.0	3.52	301.78	5,889.6	179.4	-289.6	-179.4	0.00	0.00	
6,000.0	3.52	301.78	5,989.4	182.7	-294.8	-182.7	0.00	0.00	
6,100.0	3.52	301.78	6,089.2	185.9	-300.1	-185.9	0.00	0.00	
6,200.0	3.52	301.78	6,189.0	189.1	-305.3	-189.1	0.00	0.00	
6,300.0	3.52	301.78	6,288.8	192.4	-310.5	-192.4	0.00	0.00	
6,400.0	3.52	301.78	6,388.6	195.6	-315.8	-195.6	0.00	0.00	
6,500.0	3.52	301.78	6,488.4	198.8	-321.0	-198.8	0.00	0.00	
6,547.3	3.52	301.78	6,535.7	200.4	-323.5	-200.4	0.00	0.00	Start 9° build @ 6574' MD
6,600.0	4.16	226.07	6,588.2	199.9	-326.2	-199.9	9.00	1.20	
6,700.0	12.25	193.95	6,687.2	187.1	-331.4	-187.1	9.00	8.09	
6,800.0	21.09	187.80	6,782.9	158.9	-336.4	-158.9	9.00	8.84	
6,900.0	30.02	185.20	6,873.0	116.1	-341.1	-116.1	9.00	8.93	
7,000.0	38.98	183.71	6,955.3	59.6	-345.4	-59.6	9.00	8.96	
7,100.0	47.95	182.71	7,027.8	-9.0	-349.2	9.0	9.00	8.97	
7,124.7	50.17	182.50	7,044.0	-27.6	-350.1	27.6	9.00	8.98	Sharon Springs
7,200.0	56.94	181.95	7,088.7	-88.1	-352.4	88.1	9.00	8.98	
7,262.0	62.51	181.56	7,120.0	-141.6	-354.1	141.6	9.00	8.98	Niobrara
7,300.0	65.92	181.34	7,136.5	-175.8	-354.9	175.8	9.00	8.98	
7,381.8	73.27	180.90	7,165.0	-252.4	-356.4	252.4	9.00	8.99	B Chalk
7,400.0	74.91	180.81	7,170.0	-269.9	-356.7	269.9	9.00	8.99	
7,500.0	83.89	180.32	7,188.4	-368.1	-357.6	368.1	9.00	8.99	
7,568.0	90.00	180.00	7,192.0	-435.9	-357.8	435.9	9.00	8.99	Landing Pt @ 7568' MD; 90°
7,600.0	90.00	180.00	7,192.0	-468.0	-357.8	468.0	0.00	0.00	
7,700.0	90.00	180.00	7,192.0	-568.0	-357.8	568.0	0.00	0.00	
7,800.0	90.00	180.00	7,192.0	-668.0	-357.8	668.0	0.00	0.00	
7,900.0	90.00	180.00	7,192.0	-768.0	-357.8	768.0	0.00	0.00	
8,000.0	90.00	180.00	7,192.0	-868.0	-357.8	868.0	0.00	0.00	
8,100.0	90.00	180.00	7,192.0	-968.0	-357.8	968.0	0.00	0.00	
8,200.0	90.00	180.00	7,192.0	-1,068.0	-357.8	1,068.0	0.00	0.00	
8,300.0	90.00	180.00	7,192.0	-1,168.0	-357.8	1,168.0	0.00	0.00	
8,400.0	90.00	180.00	7,192.0	-1,268.0	-357.8	1,268.0	0.00	0.00	
8,500.0	90.00	180.00	7,192.0	-1,368.0	-357.8	1,368.0	0.00	0.00	
8,600.0	90.00	180.00	7,192.0	-1,468.0	-357.8	1,468.0	0.00	0.00	
8,700.0	90.00	180.00	7,192.0	-1,568.0	-357.8	1,568.0	0.00	0.00	
8,800.0	90.00	180.00	7,192.0	-1,668.0	-357.8	1,668.0	0.00	0.00	
8,900.0	90.00	180.00	7,192.0	-1,768.0	-357.8	1,768.0	0.00	0.00	
9,000.0	90.00	180.00	7,192.0	-1,868.0	-357.8	1,868.0	0.00	0.00	
9,100.0	90.00	180.00	7,192.0	-1,968.0	-357.8	1,968.0	0.00	0.00	
9,200.0	90.00	180.00	7,192.0	-2,068.0	-357.8	2,068.0	0.00	0.00	
9,300.0	90.00	180.00	7,192.0	-2,168.0	-357.8	2,168.0	0.00	0.00	
9,400.0	90.00	180.00	7,192.0	-2,268.0	-357.8	2,268.0	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1D-8H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site:	S8-T2N-R66W (lone)	North Reference:	True
Well:	lone 1D-8H	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
9,500.0	90.00	180.00	7,192.0	-2,368.0	-357.8	2,368.0	0.00	0.00	
9,600.0	90.00	180.00	7,192.0	-2,468.0	-357.8	2,468.0	0.00	0.00	
9,700.0	90.00	180.00	7,192.0	-2,568.0	-357.8	2,568.0	0.00	0.00	
9,800.0	90.00	180.00	7,192.0	-2,668.0	-357.8	2,668.0	0.00	0.00	
9,900.0	90.00	180.00	7,192.0	-2,768.0	-357.8	2,768.0	0.00	0.00	
10,000.0	90.00	180.00	7,192.0	-2,868.0	-357.8	2,868.0	0.00	0.00	
10,100.0	90.00	180.00	7,192.0	-2,968.0	-357.8	2,968.0	0.00	0.00	
10,200.0	90.00	180.00	7,192.0	-3,068.0	-357.8	3,068.0	0.00	0.00	
10,300.0	90.00	180.00	7,192.0	-3,168.0	-357.8	3,168.0	0.00	0.00	
10,400.0	90.00	180.00	7,192.0	-3,268.0	-357.8	3,268.0	0.00	0.00	
10,500.0	90.00	180.00	7,192.0	-3,368.0	-357.8	3,368.0	0.00	0.00	
10,600.0	90.00	180.00	7,192.0	-3,468.0	-357.8	3,468.0	0.00	0.00	
10,700.0	90.00	180.00	7,192.0	-3,568.0	-357.8	3,568.0	0.00	0.00	
10,800.0	90.00	180.00	7,192.0	-3,668.0	-357.8	3,668.0	0.00	0.00	
10,900.0	90.00	180.00	7,192.0	-3,768.0	-357.8	3,768.0	0.00	0.00	
11,000.0	90.00	180.00	7,192.0	-3,868.0	-357.8	3,868.0	0.00	0.00	
11,100.0	90.00	180.00	7,192.0	-3,968.0	-357.8	3,968.0	0.00	0.00	
11,200.0	90.00	180.00	7,192.0	-4,068.0	-357.8	4,068.0	0.00	0.00	
11,300.0	90.00	180.00	7,192.0	-4,168.0	-357.8	4,168.0	0.00	0.00	
11,400.0	90.00	180.00	7,192.0	-4,268.0	-357.8	4,268.0	0.00	0.00	
11,500.0	90.00	180.00	7,192.0	-4,368.0	-357.8	4,368.0	0.00	0.00	
11,600.0	90.00	180.00	7,192.0	-4,468.0	-357.8	4,468.0	0.00	0.00	
11,700.0	90.00	180.00	7,192.0	-4,568.0	-357.8	4,568.0	0.00	0.00	
11,722.0	90.00	180.00	7,192.0	-4,589.9	-357.8	4,589.9	0.00	0.00	TD at 11722.0 - lone 1D-8H 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
lone 1D-8H PBHL - plan hits target center - Point	0.00	0.00	7,192.0	-4,589.9	-357.8	1,297,037.73	3,196,405.88	40.146620	-104.797440

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,401.6	4,394.0	Sussex			
4,688.2	4,680.0	Sussex Marker			
4,993.7	4,985.0	Shannon			
7,124.7	7,044.0	Sharon Springs			
7,262.0	7,120.0	Niobrara			
7,381.8	7,165.0	B Chalk			

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1D-8H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site:	S8-T2N-R66W (lone)	North Reference:	True
Well:	lone 1D-8H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
300.0	300.0	0.0	0.0	KOP @ 300'
417.5	417.4	1.9	-3.1	EOB; Inc=3.52°
6,547.3	6,535.7	200.4	-323.5	Start 9° build @ 6574' MD
7,568.0	7,192.0	-435.9	-357.8	Landing Pt @ 7568' MD; 90°
11,722.0	7,192.0	-4,589.9	-357.8	TD at 11722.0

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S8-T2N-R66W (lone)

lone 1D-8H

Hz

Plan #1

Anticollision Report

12 June, 2012

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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	6/12/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	11,721.8	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						
S8-T2N-R66W (lone)						
Albert Herman #1 (Existing) - Existing - Existing						Out of range
Albert Herman #2 (Existing) - Existing - Existing						Out of range
Carl Mason #1 (Existing) - Existing - Existing						Out of range
Herman 33-8 (Existing) - Existing - Existing	10,185.1	7,139.0	169.7	100.6	2.458	CC, ES, SF
Herman 34-8 (existing) - DD - DD	11,352.1	7,147.0	267.6	184.8	3.232	CC, ES, SF
lone #31-8 (Existing) - Existing - Existing						Out of range
lone #32-8 (Existing) - Existing - Existing						Out of range
lone #42-8 (Existing) - Existing - Existing						Out of range
lone #4-6-8 - DD - Plan #1						Out of range
lone #5 (Existing) - Existing - Existing						Out of range
lone #6 (Existing) - Existing - Existing						Out of range
lone #6-0-8 - DD - Plan #1	4,500.0	4,696.3	67.7	40.5	2.490	SF
lone #6-0-8 - DD - Plan #1	4,541.4	4,737.0	67.5	40.5	2.499	CC, ES
lone #6-4-8 (Existing) - Existing - Existing	9,540.0	7,302.2	286.7	233.7	5.416	CC, ES, SF
lone #6-8-8 (Existing) - DD - DD	11,722.0	7,234.7	455.1	353.3	4.472	CC, ES, SF
lone #6-8-8 (Existing) - DD - Plan #1	11,722.0	7,233.2	493.0	390.7	4.823	CC, ES, SF
lone #7 (Existing) - Existing - Existing						Out of range
lone #8 (Existing) - Existing - Existing						Out of range
lone #8 J 1-A (Existing) - Existing - Existing	8,340.3	7,159.0	196.8	158.4	5.119	CC, ES, SF
lone #8-0-8 - DD - Plan #1						Out of range
lone #8-2-8 - DD - Plan #1						Out of range
lone #9 (Existing) - Existing - Existing						Out of range
lone 1A-8H - Hz - Plan #1	200.0	200.0	30.7	30.1	47.100	CC, ES
lone 1A-8H - Hz - Plan #1	400.0	396.0	43.0	41.7	31.940	SF
lone 1B-8H - Hz - Plan #1	300.0	300.0	19.6	18.6	19.529	CC, ES
lone 1B-8H - Hz - Plan #1	400.0	399.0	23.9	22.6	17.694	SF
lone 1C-8H - Hz - Plan #1	300.0	300.0	11.2	10.2	11.160	CC, ES
lone 1C-8H - Hz - Plan #1	11,722.0	11,920.9	407.0	262.0	2.806	SF
lone 1E-8H - Hz - Plan #1	200.0	200.0	11.2	10.5	17.127	CC, ES
lone 1E-8H - Hz - Plan #1	300.0	299.3	13.7	12.7	13.663	SF
Mason #2 (Existing) - Existing - Existing						Out of range
Mason #43-8 (Existing) - Existing - Existing						Out of range
Mason #44-8 (Existing) - Existing - Existing						Out of range
Mason Gas Unit #3-8 (Existing) - Existing - Existing						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 lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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 S8-T2N-R66W (lone) - Herman 33-8 (Existing) - Existing - Existing												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)			
9,800.0	7,192.0	7,139.0	7,139.0	50.4	12.5	90.00	-3,053.0	-527.5	420.8	358.3	62.45	6.738	
9,900.0	7,192.0	7,139.0	7,139.0	52.1	12.5	90.00	-3,053.0	-527.5	331.7	267.6	64.15	5.171	
10,000.0	7,192.0	7,139.0	7,139.0	53.8	12.5	90.00	-3,053.0	-527.5	251.1	185.2	65.86	3.812	
10,100.0	7,192.0	7,139.0	7,139.0	55.5	12.5	90.00	-3,053.0	-527.5	189.8	122.2	67.57	2.809	
10,185.1	7,192.0	7,139.0	7,139.0	56.9	12.5	90.00	-3,053.0	-527.5	169.7	100.6	69.02	2.458 CC, ES, SF	
10,200.0	7,192.0	7,139.0	7,139.0	57.2	12.5	90.00	-3,053.0	-527.5	170.3	101.0	69.28	2.458	
10,300.0	7,192.0	7,139.0	7,139.0	58.9	12.5	90.00	-3,053.0	-527.5	204.9	133.9	70.99	2.887	
10,400.0	7,192.0	7,139.0	7,139.0	60.6	12.5	90.00	-3,053.0	-527.5	273.8	201.1	72.71	3.766	
10,500.0	7,192.0	7,139.0	7,139.0	62.3	12.5	90.00	-3,053.0	-527.5	357.7	283.3	74.42	4.807	
10,600.0	7,192.0	7,139.0	7,139.0	64.0	12.5	90.00	-3,053.0	-527.5	448.3	372.1	76.14	5.887	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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 S8-T2N-R66W (lone) - Herman 34-8 (existing) - DD - DD												Offset Site Error:	0.0 ft
Survey Program: 100-Gyro												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,000.0	7,192.0	7,157.8	7,155.9	70.9	6.3	89.34	-4,219.7	-625.6	442.1	365.3	76.82	5.756	
11,100.0	7,192.0	7,154.7	7,152.9	72.6	6.3	88.69	-4,219.8	-625.5	367.6	289.1	78.53	4.681	
11,200.0	7,192.0	7,151.6	7,149.8	74.3	6.3	88.03	-4,219.9	-625.3	307.8	227.6	80.23	3.836	
11,300.0	7,192.0	7,148.6	7,146.7	76.0	6.3	87.37	-4,220.0	-625.2	272.6	190.7	81.93	3.328	
11,352.1	7,192.0	7,147.0	7,145.2	76.9	6.3	87.04	-4,220.1	-625.1	267.6	184.8	82.81	3.232 CC, ES, SF	
11,400.0	7,192.0	7,145.5	7,143.7	77.8	6.3	86.72	-4,220.1	-625.0	271.9	188.2	83.62	3.251	
11,500.0	7,192.0	7,142.5	7,140.7	79.5	6.3	86.08	-4,220.2	-624.8	305.7	220.4	85.29	3.584	
11,600.0	7,192.0	7,139.5	7,137.7	81.2	6.3	85.43	-4,220.3	-624.7	364.7	277.7	86.95	4.194	
11,700.0	7,192.0	7,136.5	7,134.7	82.9	6.3	84.79	-4,220.4	-624.5	438.8	350.2	88.61	4.952	
11,722.0	7,192.0	7,135.9	7,134.0	83.3	6.3	84.65	-4,220.4	-624.5	456.4	367.4	88.97	5.129	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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 S8-T2N-R66W (lone) - lone #6-0-8 - DD - 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)				Between Centres (ft)	Between Ellipses (ft)	
2,600.0	2,595.8	2,880.6	2,757.2	5.1	15.0	140.93	135.2	326.1	475.5	464.9	10.59	44.895		
2,700.0	2,695.6	2,976.2	2,846.9	5.3	15.6	140.46	138.0	293.2	446.3	435.2	11.05	40.370		
2,800.0	2,795.4	3,071.8	2,936.6	5.5	16.2	139.92	140.9	260.3	417.1	405.6	11.54	36.155		
2,900.0	2,895.2	3,167.4	3,026.3	5.8	16.9	139.30	143.8	227.5	388.0	375.9	12.04	32.218		
3,000.0	2,995.0	3,262.9	3,116.0	6.0	17.5	138.58	146.7	194.6	358.9	346.3	12.58	28.535		
3,100.0	3,094.9	3,358.5	3,205.7	6.2	18.1	137.73	149.6	161.8	329.9	316.7	13.15	25.083		
3,200.0	3,194.7	3,454.1	3,295.3	6.4	18.7	136.72	152.5	128.9	300.9	287.1	13.78	21.844		
3,300.0	3,294.5	3,549.6	3,385.0	6.6	19.4	135.49	155.4	96.0	272.1	257.6	14.47	18.804		
3,400.0	3,394.3	3,645.2	3,474.7	6.8	20.0	133.98	158.2	63.2	243.4	228.1	15.26	15.951		
3,500.0	3,494.1	3,740.8	3,564.4	7.0	20.6	132.07	161.1	30.3	214.9	198.7	16.18	13.280		
3,600.0	3,593.9	3,834.7	3,652.6	7.2	21.2	129.65	164.0	-1.8	186.8	169.5	17.27	10.815		
3,700.0	3,693.7	3,925.9	3,739.0	7.4	21.8	126.87	166.5	-31.0	161.2	142.7	18.48	8.722		
3,800.0	3,793.5	4,018.7	3,827.8	7.6	22.3	123.68	168.9	-57.9	138.9	119.1	19.84	7.002		
3,900.0	3,893.3	4,112.9	3,918.8	7.8	22.7	120.11	171.0	-82.1	119.9	98.6	21.32	5.624		
4,000.0	3,993.1	4,208.3	4,011.7	8.0	23.1	116.30	172.9	-103.7	104.1	81.2	22.86	4.554		
4,100.0	4,093.0	4,304.7	4,106.3	8.2	23.4	112.51	174.5	-122.3	91.4	67.1	24.36	3.755		
4,200.0	4,192.8	4,401.9	4,202.2	8.4	23.7	109.18	175.9	-137.9	81.7	56.0	25.68	3.183		
4,300.0	4,292.6	4,500.0	4,299.5	8.6	23.9	106.87	177.0	-150.3	74.6	48.0	26.67	2.799		
4,400.0	4,392.4	4,598.0	4,397.0	8.8	24.1	106.18	177.8	-159.4	70.0	42.8	27.21	2.573		
4,500.0	4,492.2	4,696.3	4,495.2	9.0	24.2	107.50	178.3	-165.2	67.7	40.5	27.19	2.490 SF		
4,541.4	4,533.5	4,737.0	4,535.8	9.1	24.3	108.66	178.4	-166.6	67.5	40.5	27.01	2.499 CC, ES		
4,600.0	4,592.0	4,794.6	4,593.4	9.2	24.3	110.89	178.5	-167.6	68.0	41.4	26.58	2.558		
4,700.0	4,691.8	4,894.0	4,692.8	9.4	24.4	115.51	178.5	-167.7	70.3	44.8	25.57	2.750		
4,800.0	4,791.6	4,993.8	4,792.6	9.6	24.4	119.85	178.5	-167.7	73.2	48.6	24.61	2.975		
4,900.0	4,891.4	5,093.6	4,892.4	9.9	24.5	123.84	178.5	-167.7	76.4	52.7	23.73	3.221		
5,000.0	4,991.3	5,193.4	4,992.3	10.1	24.6	127.50	178.5	-167.7	80.0	57.1	22.98	3.484		
5,100.0	5,091.1	5,293.2	5,092.1	10.3	24.6	130.83	178.5	-167.7	83.9	61.6	22.35	3.755		
5,200.0	5,190.9	5,393.0	5,191.9	10.5	24.7	133.85	178.5	-167.7	88.1	66.2	21.86	4.030		
5,300.0	5,290.7	5,492.8	5,291.7	10.7	24.8	136.60	178.5	-167.7	92.4	70.9	21.49	4.301		
5,400.0	5,390.5	5,592.7	5,391.5	10.9	24.8	139.09	178.5	-167.7	97.0	75.7	21.26	4.563		
5,500.0	5,490.3	5,692.5	5,491.3	11.1	24.9	141.36	178.5	-167.7	101.7	80.6	21.13	4.814		
5,600.0	5,590.1	5,792.3	5,591.1	11.3	25.0	143.42	178.5	-167.7	106.6	85.5	21.11	5.051		
5,700.0	5,689.9	5,892.1	5,690.9	11.5	25.0	145.30	178.5	-167.7	111.6	90.4	21.17	5.273		
5,800.0	5,789.7	5,991.9	5,790.7	11.7	25.1	147.02	178.5	-167.7	116.7	95.4	21.30	5.481		
5,900.0	5,889.6	6,091.7	5,890.6	11.9	25.2	148.59	178.5	-167.7	121.9	100.4	21.48	5.675		
6,000.0	5,989.4	6,191.5	5,990.4	12.1	25.3	150.03	178.5	-167.7	127.2	105.5	21.72	5.857		
6,100.0	6,089.2	6,291.3	6,090.2	12.3	25.3	151.36	178.5	-167.7	132.6	110.6	21.99	6.028		
6,200.0	6,189.0	6,391.1	6,190.0	12.5	25.4	152.58	178.5	-167.7	138.0	115.7	22.30	6.190		
6,300.0	6,288.8	6,491.0	6,289.8	12.7	25.5	153.71	178.5	-167.7	143.5	120.9	22.62	6.343		
6,400.0	6,388.6	6,590.8	6,389.6	12.9	25.6	154.76	178.5	-167.7	149.0	126.1	22.97	6.489		
6,500.0	6,488.4	6,690.6	6,489.4	13.1	25.6	155.73	178.5	-167.7	154.6	131.3	23.32	6.629		
6,600.0	6,588.2	6,790.4	6,589.2	13.3	25.7	-128.32	178.5	-167.7	159.9	136.3	23.66	6.762		
6,700.0	6,687.2	6,889.3	6,688.2	13.4	25.8	-100.73	178.5	-167.7	163.9	139.9	23.99	6.832		
6,800.0	6,782.9	6,985.0	6,783.9	13.5	25.9	-103.52	178.5	-167.7	169.8	144.8	25.03	6.785		
6,900.0	6,873.0	7,075.2	6,874.0	13.6	26.0	-111.99	178.5	-167.7	184.3	157.6	26.73	6.895		
7,000.0	6,953.3	7,157.5	6,956.3	13.6	26.0	-120.80	178.5	-167.7	213.8	186.0	27.83	7.683		
7,100.0	7,027.8	7,230.0	7,028.8	13.8	26.1	-127.25	178.5	-167.7	261.0	233.4	27.62	9.450		
7,200.0	7,088.7	7,290.9	7,089.7	14.1	26.1	-130.29	178.5	-167.7	324.4	297.9	26.51	12.234		
7,300.0	7,136.5	7,338.7	7,137.5	14.6	26.2	-129.28	178.5	-167.7	400.8	375.3	25.46	15.740		
7,400.0	7,170.0	7,372.2	7,171.0	15.2	26.2	-122.75	178.5	-167.7	486.6	461.0	25.58	19.025		

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 Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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												S8-T2N-R66W (Ione) - Ione #6-4-8 (Existing) - Existing - Existing		Offset Site Error:		0.0 ft	
Survey Program: 889-Gyro														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)							
9,200.0	7,192.0	7,299.5	7,146.6	40.4	11.7	-91.11	-2,408.0	-71.2	444.7	397.5	47.22	9.418					
9,300.0	7,192.0	7,300.3	7,147.3	42.0	11.7	-91.27	-2,408.0	-71.2	373.9	325.0	48.89	7.647					
9,400.0	7,192.0	7,301.1	7,148.1	43.7	11.7	-91.43	-2,408.0	-71.3	319.0	268.5	50.57	6.309					
9,500.0	7,192.0	7,301.9	7,148.9	45.3	11.7	-91.59	-2,408.0	-71.3	289.4	237.2	52.25	5.539					
9,540.0	7,192.0	7,302.2	7,149.3	46.0	11.7	-91.65	-2,408.0	-71.3	286.7	233.7	52.93	5.416	CC, ES, SF				
9,600.0	7,192.0	7,302.7	7,149.8	47.0	11.7	-91.75	-2,408.0	-71.3	292.9	238.9	53.94	5.430					
9,700.0	7,192.0	7,303.6	7,150.6	48.7	11.7	-91.92	-2,408.0	-71.3	328.3	272.6	55.63	5.901					
9,800.0	7,192.0	7,304.4	7,151.5	50.4	11.7	-92.10	-2,408.0	-71.4	387.0	329.7	57.32	6.751					
9,900.0	7,192.0	7,305.3	7,152.4	52.1	11.7	-92.27	-2,408.0	-71.4	460.1	401.1	59.02	7.797					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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												S8-T2N-R66W (lone) - lone #6-8-8 (Existing) - DD - DD		Offset Site Error:		0.0 ft	
Survey Program: 782-MWD														Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning				
11,700.0	7,192.0	7,234.6	7,157.3	82.9	20.0	-89.84	-4,971.6	-110.0	473.7	372.3	101.38	4.672					
11,722.0	7,192.0	7,234.7	7,157.4	83.3	20.0	-89.86	-4,971.6	-110.0	455.1	353.3	101.76	4.472	CC, ES, SF				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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												S8-T2N-R66W (Ione) - Ione #6-8-8 (Existing) - 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						Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis						
11,722.0	7,192.0	7,233.2	7,158.0	83.3	20.6	-90.00	-5,005.2	-92.3	493.0	390.7	102.21	4.823	CC, ES, SF				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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 S8-T2N-R66W (Ione) - Ione #8 J 1-A (Existing) - Existing - Existing													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		
7,900.0	7,192.0	7,159.0	7,159.0	20.5	12.5	-90.00	-1,208.3	-161.0	482.3	450.3	32.00	15.074		
8,000.0	7,192.0	7,159.0	7,159.0	21.8	12.5	-90.00	-1,208.3	-161.0	393.2	359.8	33.39	11.776		
8,100.0	7,192.0	7,159.0	7,159.0	23.2	12.5	-90.00	-1,208.3	-161.0	310.7	275.8	34.83	8.920		
8,200.0	7,192.0	7,159.0	7,159.0	24.6	12.5	-90.00	-1,208.3	-161.0	241.7	205.4	36.31	6.657		
8,300.0	7,192.0	7,159.0	7,159.0	26.1	12.5	-90.00	-1,208.3	-161.0	200.9	163.1	37.83	5.311		
8,340.3	7,192.0	7,159.0	7,159.0	26.7	12.5	-90.00	-1,208.3	-161.0	196.8	158.4	38.45	5.119	CC, ES, SF	
8,400.0	7,192.0	7,159.0	7,159.0	27.6	12.5	-90.00	-1,208.3	-161.0	205.7	166.3	39.37	5.223		
8,500.0	7,192.0	7,159.0	7,159.0	29.1	12.5	-90.00	-1,208.3	-161.0	253.4	212.5	40.95	6.190		
8,600.0	7,192.0	7,159.0	7,159.0	30.7	12.5	-90.00	-1,208.3	-161.0	325.8	283.3	42.54	7.660		
8,700.0	7,192.0	7,159.0	7,159.0	32.3	12.5	-90.00	-1,208.3	-161.0	410.0	365.8	44.14	9.288		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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 S8-T2N-R66W (Ione) - Ione 1A-8H - 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	89.97	0.0	30.7	30.7					
100.0	100.0	100.0	100.0	0.2	0.2	89.97	0.0	30.7	30.7	30.4	0.30	101.239		
200.0	200.0	200.0	200.0	0.3	0.3	89.97	0.0	30.7	30.7	30.1	0.65	47.100 CC, ES		
300.0	300.0	298.4	298.3	0.5	0.5	89.04	0.6	33.2	33.3	32.3	1.01	33.064		
400.0	400.0	396.0	395.6	0.7	0.7	146.97	2.2	40.6	43.0	41.7	1.35	31.940 SF		
500.0	499.8	492.1	490.9	0.9	1.0	147.70	4.8	52.5	60.5	58.8	1.70	35.674		
600.0	599.6	590.1	587.9	1.1	1.3	147.83	7.9	66.8	80.3	78.2	2.05	39.081		
700.0	699.4	688.1	684.8	1.3	1.6	147.91	11.0	81.1	100.0	97.6	2.41	41.456		
800.0	799.2	786.2	781.8	1.5	1.9	147.96	14.1	95.4	119.7	116.9	2.77	43.203		
900.0	899.0	884.2	878.7	1.7	2.2	148.00	17.3	109.6	139.4	136.3	3.13	44.541		
1,000.0	998.8	982.3	975.6	1.9	2.5	148.03	20.4	123.9	159.1	155.7	3.49	45.598		
1,100.0	1,098.6	1,080.3	1,072.6	2.1	2.8	148.05	23.5	138.2	178.9	175.0	3.85	46.454		
1,200.0	1,198.4	1,178.3	1,169.5	2.3	3.1	148.07	26.6	152.5	198.6	194.4	4.21	47.161		
1,300.0	1,298.3	1,276.4	1,266.5	2.5	3.4	148.09	29.8	166.8	218.3	213.7	4.57	47.755		
1,400.0	1,398.1	1,374.4	1,363.4	2.7	3.7	148.10	32.9	181.1	238.0	233.1	4.93	48.261		
1,500.0	1,497.9	1,472.4	1,460.3	2.9	4.0	148.11	36.0	195.4	257.8	252.5	5.29	48.696		
1,600.0	1,597.7	1,570.5	1,557.3	3.1	4.3	148.12	39.1	209.6	277.5	271.8	5.65	49.076		
1,700.0	1,697.5	1,668.5	1,654.2	3.3	4.6	148.13	42.3	223.9	297.2	291.2	6.01	49.409		
1,800.0	1,797.3	1,766.5	1,751.2	3.5	4.9	148.13	45.4	238.2	316.9	310.5	6.38	49.704		
1,900.0	1,897.1	1,864.6	1,848.1	3.7	5.2	148.14	48.5	252.5	336.6	329.9	6.74	49.968		
2,000.0	1,996.9	1,962.6	1,945.0	3.9	5.6	148.14	51.6	266.8	356.4	349.3	7.10	50.204		
2,100.0	2,096.7	2,060.7	2,042.0	4.1	5.9	148.15	54.8	281.1	376.1	368.6	7.46	50.417		
2,200.0	2,196.6	2,158.7	2,138.9	4.3	6.2	148.15	57.9	295.3	395.8	388.0	7.82	50.610		
2,300.0	2,296.4	2,256.7	2,235.8	4.5	6.5	148.16	61.0	309.6	415.5	407.3	8.18	50.786		
2,400.0	2,396.2	2,354.8	2,332.8	4.7	6.8	148.16	64.1	323.9	435.2	426.7	8.54	50.947		
2,500.0	2,496.0	2,452.8	2,429.7	4.9	7.1	148.16	67.3	338.2	455.0	446.1	8.90	51.095		
2,600.0	2,595.8	2,550.8	2,526.7	5.1	7.4	148.17	70.4	352.5	474.7	465.4	9.27	51.231		
2,700.0	2,695.6	2,648.9	2,623.6	5.3	7.7	148.17	73.5	366.8	494.4	484.8	9.63	51.357		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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 S8-T2N-R66W (Ione) - Ione 1B-8H - 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)				
0.0	0.0	0.0	0.0	0.0	0.0	89.98	0.0	19.6	19.6					
100.0	100.0	100.0	100.0	0.2	0.2	89.98	0.0	19.6	19.6	19.3	0.30	64.425		
200.0	200.0	200.0	200.0	0.3	0.3	89.98	0.0	19.6	19.6	18.9	0.65	29.973		
300.0	300.0	300.0	300.0	0.5	0.5	89.98	0.0	19.6	19.6	18.6	1.00	19.529 CC, ES		
400.0	400.0	399.0	398.9	0.7	0.7	147.94	1.5	21.7	23.9	22.6	1.35	17.694 SF		
500.0	499.8	498.4	498.2	0.9	0.9	147.96	4.6	26.4	33.8	32.1	1.71	19.758		
600.0	599.6	597.9	597.5	1.1	1.1	148.03	7.9	31.1	43.7	41.6	2.07	21.119		
700.0	699.4	697.4	696.9	1.3	1.3	148.07	11.1	35.7	53.6	51.2	2.43	22.062		
800.0	799.2	796.9	796.2	1.5	1.5	148.09	14.3	40.4	63.6	60.8	2.79	22.753		
900.0	899.0	896.4	895.5	1.7	1.7	148.11	17.5	45.1	73.5	70.4	3.16	23.281		
1,000.0	998.8	995.9	994.9	1.9	1.9	148.13	20.7	49.8	83.5	79.9	3.52	23.697		
1,100.0	1,098.6	1,095.4	1,094.2	2.1	2.0	148.14	23.9	54.5	93.4	89.5	3.89	24.033		
1,200.0	1,198.4	1,194.9	1,193.6	2.3	2.2	148.15	27.1	59.2	103.3	99.1	4.25	24.310		
1,300.0	1,298.3	1,294.4	1,292.9	2.5	2.4	148.16	30.3	63.9	113.3	108.6	4.61	24.543		
1,400.0	1,398.1	1,393.9	1,392.3	2.7	2.6	148.17	33.5	68.6	123.2	118.2	4.98	24.741		
1,500.0	1,497.9	1,493.4	1,491.6	2.9	2.8	148.17	36.8	73.3	133.1	127.8	5.34	24.911		
1,600.0	1,597.7	1,592.9	1,590.9	3.1	3.0	148.18	40.0	78.0	143.1	137.4	5.71	25.059		
1,700.0	1,697.5	1,692.4	1,690.3	3.3	3.2	148.18	43.2	82.7	153.0	146.9	6.07	25.189		
1,800.0	1,797.3	1,791.9	1,789.6	3.5	3.4	148.19	46.4	87.4	162.9	156.5	6.44	25.304		
1,900.0	1,897.1	1,891.4	1,889.0	3.7	3.6	148.19	49.6	92.1	172.9	166.1	6.80	25.407		
2,000.0	1,996.9	1,991.0	1,988.3	3.9	3.8	148.19	52.8	96.8	182.8	175.6	7.17	25.499		
2,100.0	2,096.7	2,090.5	2,087.6	4.1	4.0	148.19	56.0	101.5	192.8	185.2	7.53	25.582		
2,200.0	2,196.6	2,190.0	2,187.0	4.3	4.2	148.20	59.2	106.2	202.7	194.8	7.90	25.657		
2,300.0	2,296.4	2,289.5	2,286.3	4.5	4.4	148.20	62.4	110.9	212.6	204.4	8.27	25.726		
2,400.0	2,396.2	2,389.0	2,385.7	4.7	4.6	148.20	65.6	115.6	222.6	213.9	8.63	25.788		
2,500.0	2,496.0	2,488.5	2,485.0	4.9	4.8	148.20	68.9	120.3	232.5	223.5	9.00	25.846		
2,600.0	2,595.8	2,588.0	2,584.4	5.1	5.0	148.20	72.1	125.0	242.4	233.1	9.36	25.899		
2,700.0	2,695.6	2,687.5	2,683.7	5.3	5.2	148.21	75.3	129.7	252.4	242.6	9.73	25.947		
2,800.0	2,795.4	2,787.0	2,783.0	5.5	5.4	148.21	78.5	134.4	262.3	252.2	10.09	25.993		
2,900.0	2,895.2	2,886.5	2,882.4	5.8	5.6	148.21	81.7	139.1	272.2	261.8	10.46	26.035		
3,000.0	2,995.0	2,986.0	2,981.7	6.0	5.8	148.21	84.9	143.8	282.2	271.4	10.82	26.074		
3,100.0	3,094.9	3,085.5	3,081.1	6.2	6.0	148.21	88.1	148.5	292.1	280.9	11.19	26.111		
3,200.0	3,194.7	3,185.0	3,180.4	6.4	6.2	148.21	91.3	153.2	302.1	290.5	11.55	26.145		
3,300.0	3,294.5	3,284.5	3,279.8	6.6	6.4	148.21	94.5	157.9	312.0	300.1	11.92	26.177		
3,400.0	3,394.3	3,384.0	3,379.1	6.8	6.6	148.21	97.8	162.6	321.9	309.6	12.28	26.208		
3,500.0	3,494.1	3,483.5	3,478.4	7.0	6.8	148.21	101.0	167.3	331.9	319.2	12.65	26.236		
3,600.0	3,593.9	3,583.0	3,577.8	7.2	7.0	148.22	104.2	172.0	341.8	328.8	13.01	26.263		
3,700.0	3,693.7	3,682.5	3,677.1	7.4	7.2	148.22	107.4	176.7	351.7	338.4	13.38	26.289		
3,800.0	3,793.5	3,782.0	3,776.5	7.6	7.4	148.22	110.6	181.4	361.7	347.9	13.75	26.313		
3,900.0	3,893.3	3,881.6	3,875.8	7.8	7.6	148.22	113.8	186.1	371.6	357.5	14.11	26.335		
4,000.0	3,993.1	3,981.1	3,975.2	8.0	7.8	148.22	117.0	190.8	381.5	367.1	14.48	26.357		
4,100.0	4,093.0	4,080.6	4,074.5	8.2	8.0	148.22	120.2	195.5	391.5	376.6	14.84	26.378		
4,200.0	4,192.8	4,180.1	4,173.8	8.4	8.2	148.22	123.4	200.2	401.4	386.2	15.21	26.397		
4,300.0	4,292.6	4,279.6	4,273.2	8.6	8.4	148.22	126.6	204.9	411.4	395.8	15.57	26.416		
4,400.0	4,392.4	4,379.1	4,372.5	8.8	8.6	148.22	129.9	209.6	421.3	405.4	15.94	26.434		
4,500.0	4,492.2	4,478.6	4,471.9	9.0	8.8	148.22	133.1	214.3	431.2	414.9	16.30	26.451		
4,600.0	4,592.0	4,578.1	4,571.2	9.2	9.0	148.22	136.3	219.0	441.2	424.5	16.67	26.467		
4,700.0	4,691.8	4,677.6	4,670.5	9.4	9.2	148.22	139.5	223.7	451.1	434.1	17.03	26.482		
4,800.0	4,791.6	4,777.1	4,769.9	9.6	9.4	148.22	142.7	228.4	461.0	443.6	17.40	26.497		
4,900.0	4,891.4	4,876.6	4,869.2	9.9	9.6	148.22	145.9	233.1	471.0	453.2	17.76	26.511		
5,000.0	4,991.3	4,976.1	4,968.6	10.1	9.8	148.22	149.1	237.8	480.9	462.8	18.13	26.525		
5,100.0	5,091.1	5,075.6	5,067.9	10.3	10.0	148.22	152.3	242.5	490.8	472.3	18.50	26.538		

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 lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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 S8-T2N-R66W (Ione) - Ione 1C-8H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	89.87	0.0	11.2	11.2					
100.0	100.0	100.0	100.0	0.2	0.2	89.87	0.0	11.2	11.2	10.9	0.30	36.814		
200.0	200.0	200.0	200.0	0.3	0.3	89.87	0.0	11.2	11.2	10.5	0.65	17.127		
300.0	300.0	300.0	300.0	0.5	0.5	89.87	0.0	11.2	11.2	10.2	1.00	11.160 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	153.96	0.0	11.2	13.5	12.1	1.35	9.972		
500.0	499.8	499.8	499.8	0.9	0.8	161.96	0.0	11.2	19.1	17.4	1.70	11.241		
600.0	599.6	599.6	599.6	1.1	1.0	166.32	0.0	11.2	25.0	23.0	2.05	12.215		
700.0	699.4	699.4	699.4	1.3	1.2	169.01	0.0	11.2	31.0	28.6	2.40	12.945		
800.0	799.2	799.2	799.2	1.5	1.4	170.82	0.0	11.2	37.1	34.3	2.75	13.507		
900.0	899.0	899.0	899.0	1.7	1.5	172.12	0.0	11.2	43.2	40.1	3.09	13.950		
1,000.0	998.8	998.8	998.8	1.9	1.7	173.10	0.0	11.2	49.3	45.8	3.44	14.309		
1,100.0	1,098.6	1,098.6	1,098.6	2.1	1.9	173.86	0.0	11.2	55.4	51.6	3.79	14.605		
1,200.0	1,198.4	1,198.4	1,198.4	2.3	2.1	174.48	0.0	11.2	61.5	57.4	4.14	14.853		
1,300.0	1,298.3	1,298.3	1,298.3	2.5	2.2	174.98	0.0	11.2	67.6	63.1	4.49	15.064		
1,400.0	1,398.1	1,398.1	1,398.1	2.7	2.4	175.40	0.0	11.2	73.7	68.9	4.84	15.245		
1,500.0	1,497.9	1,497.9	1,497.9	2.9	2.6	175.75	0.0	11.2	79.9	74.7	5.19	15.403		
1,600.0	1,597.7	1,597.7	1,597.7	3.1	2.8	176.05	0.0	11.2	86.0	80.5	5.53	15.541		
1,700.0	1,697.5	1,697.5	1,697.5	3.3	2.9	176.32	0.0	11.2	92.1	86.3	5.88	15.663		
1,800.0	1,797.3	1,797.3	1,797.3	3.5	3.1	176.55	0.0	11.2	98.3	92.1	6.23	15.772		
1,900.0	1,897.1	1,897.1	1,897.1	3.7	3.3	176.75	0.0	11.2	104.4	97.8	6.58	15.869		
2,000.0	1,996.9	1,996.9	1,996.9	3.9	3.5	176.93	0.0	11.2	110.6	103.6	6.93	15.957		
2,100.0	2,096.7	2,096.7	2,096.7	4.1	3.6	177.09	0.0	11.2	116.7	109.4	7.28	16.036		
2,200.0	2,196.6	2,196.6	2,196.6	4.3	3.8	177.24	0.0	11.2	122.8	115.2	7.63	16.109		
2,300.0	2,296.4	2,296.4	2,296.4	4.5	4.0	177.37	0.0	11.2	129.0	121.0	7.97	16.175		
2,400.0	2,396.2	2,396.2	2,396.2	4.7	4.2	177.49	0.0	11.2	135.1	126.8	8.32	16.235		
2,500.0	2,496.0	2,496.0	2,496.0	4.9	4.3	177.60	0.0	11.2	141.3	132.6	8.67	16.291		
2,600.0	2,595.8	2,595.8	2,595.8	5.1	4.5	177.70	0.0	11.2	147.4	138.4	9.02	16.343		
2,700.0	2,695.6	2,695.6	2,695.6	5.3	4.7	177.79	0.0	11.2	153.6	144.2	9.37	16.390		
2,800.0	2,795.4	2,795.4	2,795.4	5.5	4.9	177.88	0.0	11.2	159.7	150.0	9.72	16.435		
2,900.0	2,895.2	2,895.2	2,895.2	5.8	5.0	177.95	0.0	11.2	165.8	155.8	10.07	16.476		
3,000.0	2,995.0	2,995.0	2,995.0	6.0	5.2	178.03	0.0	11.2	172.0	161.6	10.41	16.515		
3,100.0	3,094.9	3,094.9	3,094.9	6.2	5.4	178.10	0.0	11.2	178.1	167.4	10.76	16.551		
3,200.0	3,194.7	3,194.7	3,194.7	6.4	5.6	178.16	0.0	11.2	184.3	173.2	11.11	16.584		
3,300.0	3,294.5	3,294.5	3,294.5	6.6	5.7	178.22	0.0	11.2	190.4	179.0	11.46	16.616		
3,400.0	3,394.3	3,394.3	3,394.3	6.8	5.9	178.27	0.0	11.2	196.6	184.8	11.81	16.646		
3,500.0	3,494.1	3,494.1	3,494.1	7.0	6.1	178.33	0.0	11.2	202.7	190.6	12.16	16.674		
3,600.0	3,593.9	3,593.9	3,593.9	7.2	6.2	178.38	0.0	11.2	208.9	196.4	12.51	16.701		
3,700.0	3,693.7	3,693.7	3,693.7	7.4	6.4	178.42	0.0	11.2	215.0	202.1	12.85	16.726		
3,800.0	3,793.5	3,793.5	3,793.5	7.6	6.6	178.47	0.0	11.2	221.1	207.9	13.20	16.750		
3,900.0	3,893.3	3,893.3	3,893.3	7.8	6.8	178.51	0.0	11.2	227.3	213.7	13.55	16.773		
4,000.0	3,993.1	3,993.1	3,993.1	8.0	6.9	178.55	0.0	11.2	233.4	219.5	13.90	16.794		
4,100.0	4,093.0	4,099.9	4,099.9	8.2	7.1	178.07	2.6	11.0	238.2	224.0	14.26	16.704		
4,200.0	4,192.8	4,202.8	4,202.5	8.4	7.3	176.68	9.9	10.5	240.5	225.9	14.62	16.451		
4,300.0	4,292.6	4,302.6	4,302.0	8.6	7.5	175.27	17.4	10.0	242.7	227.7	14.98	16.205		
4,400.0	4,392.4	4,402.4	4,401.5	8.8	7.7	173.88	24.9	9.5	245.0	229.7	15.34	15.976		
4,500.0	4,492.2	4,502.2	4,501.0	9.0	7.9	172.51	32.3	9.0	247.5	231.8	15.70	15.764		
4,600.0	4,592.0	4,602.0	4,600.5	9.2	8.0	171.18	39.8	8.5	250.1	234.1	16.07	15.566		
4,700.0	4,691.8	4,701.8	4,700.0	9.4	8.2	169.87	47.3	8.0	252.9	236.4	16.44	15.382		
4,800.0	4,791.6	4,801.6	4,799.5	9.6	8.4	168.59	54.8	7.5	255.7	238.9	16.81	15.212		
4,900.0	4,891.4	4,901.3	4,899.1	9.9	8.6	167.34	62.3	7.0	258.7	241.5	17.19	15.053		
5,000.0	4,991.3	5,001.1	4,998.6	10.1	8.8	166.12	69.8	6.5	261.9	244.3	17.57	14.905		
5,100.0	5,091.1	5,100.9	5,098.1	10.3	9.0	164.93	77.3	6.0	265.1	247.1	17.95	14.768		

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 lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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 S8-T2N-R66W (lone) - lone 1C-8H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,190.9	5,200.7	5,197.6	10.5	9.2	163.76	84.8	5.5	268.4	250.1	18.34	14.640		
5,300.0	5,290.7	5,300.5	5,297.1	10.7	9.4	162.63	92.3	5.0	271.9	253.2	18.72	14.522		
5,400.0	5,390.5	5,400.3	5,396.6	10.9	9.6	161.52	99.8	4.5	275.5	256.3	19.11	14.411		
5,500.0	5,490.3	5,500.1	5,496.1	11.1	9.8	160.45	107.3	4.0	279.1	259.6	19.51	14.309		
5,600.0	5,590.1	5,599.9	5,585.7	11.3	10.0	159.40	114.8	3.5	282.9	263.0	19.90	14.214		
5,700.0	5,689.9	5,699.7	5,695.2	11.5	10.2	158.38	122.3	3.0	286.7	266.4	20.30	14.126		
5,800.0	5,789.7	5,799.5	5,794.7	11.7	10.4	157.39	129.8	2.5	290.6	270.0	20.70	14.044		
5,900.0	5,889.6	5,899.3	5,894.2	11.9	10.6	156.42	137.3	2.0	294.7	273.6	21.10	13.968		
6,000.0	5,989.4	5,999.1	5,993.7	12.1	10.8	155.48	144.8	1.5	298.8	277.3	21.50	13.898		
6,100.0	6,089.2	6,098.9	6,093.2	12.3	11.0	154.56	152.3	1.0	303.0	281.0	21.90	13.832		
6,200.0	6,189.0	6,198.7	6,192.7	12.5	11.2	153.67	159.8	0.5	307.2	284.9	22.31	13.772		
6,300.0	6,288.8	6,298.5	6,292.3	12.7	11.4	152.81	167.3	0.0	311.5	288.8	22.71	13.716		
6,400.0	6,388.6	6,398.3	6,391.8	12.9	11.6	151.97	174.8	-0.5	315.9	292.8	23.12	13.665		
6,500.0	6,488.4	6,498.1	6,491.3	13.1	11.8	151.15	182.3	-1.0	320.4	296.9	23.53	13.617		
6,600.0	6,588.2	6,597.7	6,590.6	13.3	12.0	-134.23	189.8	-1.5	324.8	300.9	23.92	13.578		
6,700.0	6,687.2	6,695.5	6,688.1	13.4	12.2	-105.40	197.1	-2.0	329.5	305.2	24.30	13.563		
6,800.0	6,782.9	6,793.8	6,786.3	13.5	12.3	-104.10	200.1	-2.5	336.4	311.9	24.57	13.694		
6,900.0	6,873.0	6,889.0	6,889.6	13.6	12.4	-106.24	187.3	-3.0	345.9	321.3	24.64	14.038		
7,000.0	6,955.3	7,008.5	6,995.3	13.6	12.5	-109.19	155.4	-3.6	357.3	332.7	24.54	14.560		
7,100.0	7,027.8	7,126.1	7,099.8	13.8	12.5	-112.21	102.0	-4.1	369.6	345.3	24.36	15.175		
7,200.0	7,088.7	7,251.2	7,198.3	14.1	12.6	-114.97	25.2	-4.6	381.9	357.6	24.27	15.733		
7,300.0	7,136.5	7,383.9	7,284.2	14.6	13.0	-117.27	-75.6	-5.0	392.8	368.3	24.53	16.013		
7,400.0	7,170.0	7,523.2	7,349.9	15.2	13.7	-118.94	-198.2	-5.4	401.2	375.8	25.36	15.819		
7,500.0	7,188.4	7,667.5	7,388.3	16.0	14.8	-119.89	-336.9	-5.6	406.1	379.1	26.92	15.082		
7,600.0	7,192.0	7,798.9	7,396.0	17.0	16.1	-120.08	-468.0	-5.6	407.0	378.0	29.00	14.037		
7,700.0	7,192.0	7,898.9	7,396.0	18.1	17.2	-120.08	-568.0	-5.6	407.0	376.1	30.96	13.146		
7,800.0	7,192.0	7,998.9	7,396.0	19.2	18.4	-120.08	-668.0	-5.6	407.0	374.0	33.09	12.301		
7,900.0	7,192.0	8,098.9	7,396.0	20.5	19.7	-120.08	-768.0	-5.6	407.0	371.7	35.35	11.514		
8,000.0	7,192.0	8,198.9	7,396.0	21.8	21.1	-120.08	-868.0	-5.6	407.0	369.3	37.72	10.790		
8,100.0	7,192.0	8,298.9	7,396.0	23.2	22.5	-120.08	-968.0	-5.6	407.0	366.9	40.19	10.129		
8,200.0	7,192.0	8,398.9	7,396.0	24.6	24.0	-120.08	-1,068.0	-5.6	407.0	364.3	42.72	9.527		
8,300.0	7,192.0	8,498.9	7,396.0	26.1	25.5	-120.08	-1,168.0	-5.6	407.0	361.7	45.32	8.981		
8,400.0	7,192.0	8,598.9	7,396.0	27.6	27.1	-120.08	-1,268.0	-5.6	407.0	359.1	47.97	8.485		
8,500.0	7,192.0	8,698.9	7,396.0	29.1	28.6	-120.08	-1,368.0	-5.6	407.0	356.4	50.67	8.033		
8,600.0	7,192.0	8,798.9	7,396.0	30.7	30.2	-120.08	-1,468.0	-5.6	407.0	353.6	53.40	7.622		
8,700.0	7,192.0	8,898.9	7,396.0	32.3	31.8	-120.08	-1,568.0	-5.6	407.0	350.9	56.17	7.247		
8,800.0	7,192.0	8,998.9	7,396.0	33.9	33.4	-120.08	-1,668.0	-5.6	407.0	348.1	58.96	6.904		
8,900.0	7,192.0	9,098.9	7,396.0	35.5	35.1	-120.08	-1,768.0	-5.6	407.0	345.3	61.77	6.589		
9,000.0	7,192.0	9,198.9	7,396.0	37.1	36.7	-120.08	-1,868.0	-5.6	407.0	342.4	64.61	6.300		
9,100.0	7,192.0	9,298.9	7,396.0	38.7	38.3	-120.08	-1,968.0	-5.6	407.0	339.6	67.46	6.034		
9,200.0	7,192.0	9,398.9	7,396.0	40.4	40.0	-120.08	-2,068.0	-5.6	407.0	336.7	70.33	5.787		
9,300.0	7,192.0	9,498.9	7,396.0	42.0	41.7	-120.08	-2,168.0	-5.6	407.0	333.8	73.22	5.560		
9,400.0	7,192.0	9,598.9	7,396.0	43.7	43.3	-120.08	-2,268.0	-5.6	407.0	330.9	76.11	5.348		
9,500.0	7,192.0	9,698.9	7,396.0	45.3	45.0	-120.08	-2,368.0	-5.6	407.0	328.0	79.02	5.151		
9,600.0	7,192.0	9,798.9	7,396.0	47.0	46.7	-120.08	-2,468.0	-5.6	407.0	325.1	81.93	4.968		
9,700.0	7,192.0	9,898.9	7,396.0	48.7	48.4	-120.08	-2,568.0	-5.6	407.0	322.2	84.86	4.797		
9,800.0	7,192.0	9,998.9	7,396.0	50.4	50.1	-120.08	-2,668.0	-5.6	407.0	319.3	87.79	4.636		
9,900.0	7,192.0	10,098.9	7,396.0	52.1	51.8	-120.08	-2,768.0	-5.6	407.0	316.3	90.73	4.486		
10,000.0	7,192.0	10,198.9	7,396.0	53.8	53.5	-120.08	-2,868.0	-5.6	407.0	313.4	93.68	4.345		
10,100.0	7,192.0	10,298.9	7,396.0	55.5	55.2	-120.08	-2,968.0	-5.6	407.0	310.4	96.63	4.212		
10,200.0	7,192.0	10,398.9	7,396.0	57.2	56.9	-120.08	-3,068.0	-5.6	407.0	307.5	99.59	4.087		
10,300.0	7,192.0	10,498.9	7,396.0	58.9	58.6	-120.08	-3,168.0	-5.6	407.0	304.5	102.56	3.969		

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 Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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												S8-T2N-R66W (Ione) - Ione 1C-8H - 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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)						
10,400.0	7,192.0	10,598.9	7,396.0	60.6	60.3	-120.08	-3,268.0	-5.6	407.0	301.5	105.52	3.857				
10,500.0	7,192.0	10,698.9	7,396.0	62.3	62.1	-120.08	-3,368.0	-5.6	407.0	298.5	108.49	3.752				
10,600.0	7,192.0	10,798.9	7,396.0	64.0	63.8	-120.08	-3,468.0	-5.6	407.0	295.6	111.47	3.652				
10,700.0	7,192.0	10,898.9	7,396.0	65.7	65.5	-120.08	-3,568.0	-5.6	407.0	292.6	114.45	3.557				
10,800.0	7,192.0	10,998.9	7,396.0	67.4	67.2	-120.08	-3,668.0	-5.6	407.0	289.6	117.43	3.466				
10,900.0	7,192.0	11,098.9	7,396.0	69.1	68.9	-120.08	-3,768.0	-5.6	407.0	286.6	120.42	3.380				
11,000.0	7,192.0	11,198.9	7,396.0	70.9	70.7	-120.08	-3,868.0	-5.6	407.0	283.6	123.40	3.298				
11,100.0	7,192.0	11,298.9	7,396.0	72.6	72.4	-120.08	-3,968.0	-5.6	407.0	280.6	126.40	3.220				
11,200.0	7,192.0	11,398.9	7,396.0	74.3	74.1	-120.08	-4,068.0	-5.6	407.0	277.7	129.39	3.146				
11,300.0	7,192.0	11,498.9	7,396.0	76.0	75.8	-120.08	-4,168.0	-5.6	407.0	274.7	132.38	3.075				
11,400.0	7,192.0	11,598.9	7,396.0	77.8	77.6	-120.08	-4,268.0	-5.6	407.0	271.7	135.38	3.007				
11,500.0	7,192.0	11,698.9	7,396.0	79.5	79.3	-120.08	-4,368.0	-5.6	407.0	268.7	138.38	2.941				
11,600.0	7,192.0	11,798.9	7,396.0	81.2	81.0	-120.08	-4,468.0	-5.6	407.0	265.7	141.38	2.879				
11,700.0	7,192.0	11,898.9	7,396.0	82.9	82.8	-120.08	-4,568.0	-5.6	407.0	262.7	144.38	2.819				
11,722.0	7,192.0	11,920.9	7,396.0	83.3	83.2	-120.08	-4,589.9	-5.6	407.0	262.0	145.04	2.806 SF				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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 S8-T2N-R66W (Ione) - Ione 1E-8H - 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	-90.04	0.0	-11.2	11.2					
100.0	100.0	100.0	100.0	0.2	0.2	-90.04	0.0	-11.2	11.2	10.9	0.30	36.814		
200.0	200.0	200.0	200.0	0.3	0.3	-90.04	0.0	-11.2	11.2	10.5	0.65	17.127 CC, ES		
300.0	300.0	299.3	299.3	0.5	0.5	-87.80	0.5	-13.7	13.7	12.7	1.01	13.663 SF		
400.0	400.0	398.4	398.0	0.7	0.7	-29.42	2.1	-21.2	19.1	17.8	1.35	14.169		
500.0	499.8	496.9	495.7	0.9	1.0	-31.13	4.8	-33.7	26.6	24.9	1.71	15.602		
600.0	599.6	596.4	594.1	1.1	1.3	-31.33	7.9	-48.7	36.5	34.5	2.07	17.668		
700.0	699.4	696.0	692.4	1.3	1.6	-31.45	11.1	-63.8	46.5	44.0	2.43	19.109		
800.0	799.2	795.5	790.7	1.5	1.9	-31.52	14.3	-78.8	56.4	53.6	2.79	20.168		
900.0	899.0	895.0	889.0	1.7	2.2	-31.58	17.5	-93.8	66.3	63.1	3.16	20.979		
1,000.0	998.8	994.5	987.3	1.9	2.6	-31.62	20.7	-108.8	76.2	72.6	3.52	21.620		
1,100.0	1,098.6	1,094.0	1,085.6	2.1	2.9	-31.65	23.9	-123.8	86.1	82.2	3.89	22.140		
1,200.0	1,198.4	1,193.5	1,184.0	2.3	3.2	-31.67	27.0	-138.9	96.0	91.7	4.25	22.568		
1,300.0	1,298.3	1,293.0	1,282.3	2.5	3.5	-31.69	30.2	-153.9	105.9	101.3	4.62	22.928		
1,400.0	1,398.1	1,392.5	1,380.6	2.7	3.8	-31.70	33.4	-168.9	115.8	110.8	4.98	23.235		
1,500.0	1,497.9	1,492.0	1,478.9	2.9	4.1	-31.72	36.6	-183.9	125.7	120.4	5.35	23.499		
1,600.0	1,597.7	1,591.5	1,577.2	3.1	4.5	-31.73	39.8	-198.9	135.6	129.9	5.71	23.729		
1,700.0	1,697.5	1,691.0	1,675.5	3.3	4.8	-31.74	42.9	-214.0	145.5	139.4	6.08	23.932		
1,800.0	1,797.3	1,790.5	1,773.9	3.5	5.1	-31.75	46.1	-229.0	155.4	149.0	6.45	24.111		
1,900.0	1,897.1	1,890.0	1,872.2	3.7	5.4	-31.76	49.3	-244.0	165.3	158.5	6.81	24.270		
2,000.0	1,996.9	1,989.6	1,970.5	3.9	5.8	-31.76	52.5	-259.0	175.2	168.1	7.18	24.413		
2,100.0	2,096.7	2,089.1	2,068.8	4.1	6.1	-31.77	55.7	-274.0	185.1	177.6	7.54	24.543		
2,200.0	2,196.6	2,188.6	2,167.1	4.3	6.4	-31.77	58.8	-289.1	195.1	187.1	7.91	24.660		
2,300.0	2,296.4	2,288.1	2,265.4	4.5	6.7	-31.78	62.0	-304.1	205.0	196.7	8.28	24.766		
2,400.0	2,396.2	2,387.6	2,363.8	4.7	7.0	-31.78	65.2	-319.1	214.9	206.2	8.64	24.864		
2,500.0	2,496.0	2,487.1	2,462.1	4.9	7.4	-31.79	68.4	-334.1	224.8	215.8	9.01	24.954		
2,600.0	2,595.8	2,586.6	2,560.4	5.1	7.7	-31.79	71.6	-349.1	234.7	225.3	9.37	25.036		
2,700.0	2,695.6	2,686.1	2,658.7	5.3	8.0	-31.79	74.7	-364.2	244.6	234.8	9.74	25.112		
2,800.0	2,795.4	2,785.6	2,757.0	5.5	8.3	-31.80	77.9	-379.2	254.5	244.4	10.11	25.183		
2,900.0	2,895.2	2,885.1	2,855.3	5.8	8.6	-31.80	81.1	-394.2	264.4	253.9	10.47	25.249		
3,000.0	2,995.0	2,984.6	2,953.7	6.0	9.0	-31.80	84.3	-409.2	274.3	263.5	10.84	25.310		
3,100.0	3,094.9	3,084.1	3,052.0	6.2	9.3	-31.81	87.5	-424.2	284.2	273.0	11.20	25.368		
3,200.0	3,194.7	3,183.7	3,150.3	6.4	9.6	-31.81	90.7	-439.3	294.1	282.5	11.57	25.421		
3,300.0	3,294.5	3,283.2	3,248.6	6.6	9.9	-31.81	93.8	-454.3	304.0	292.1	11.94	25.471		
3,400.0	3,394.3	3,382.7	3,346.9	6.8	10.3	-31.81	97.0	-469.3	313.9	301.6	12.30	25.519		
3,500.0	3,494.1	3,482.2	3,445.2	7.0	10.6	-31.81	100.2	-484.3	323.8	311.2	12.67	25.563		
3,600.0	3,593.9	3,581.7	3,543.6	7.2	10.9	-31.82	103.4	-499.3	333.7	320.7	13.03	25.605		
3,700.0	3,693.7	3,681.2	3,641.9	7.4	11.2	-31.82	106.6	-514.4	343.7	330.3	13.40	25.645		
3,800.0	3,793.5	3,780.7	3,740.2	7.6	11.5	-31.82	109.7	-529.4	353.6	339.8	13.77	25.683		
3,900.0	3,893.3	3,880.2	3,838.5	7.8	11.9	-31.82	112.9	-544.4	363.5	349.3	14.13	25.718		
4,000.0	3,993.1	3,979.7	3,936.8	8.0	12.2	-31.82	116.1	-559.4	373.4	358.9	14.50	25.752		
4,100.0	4,093.0	4,079.2	4,035.1	8.2	12.5	-31.82	119.3	-574.4	383.3	368.4	14.86	25.784		
4,200.0	4,192.8	4,178.7	4,133.5	8.4	12.8	-31.82	122.5	-589.4	393.2	378.0	15.23	25.815		
4,300.0	4,292.6	4,278.2	4,231.8	8.6	13.1	-31.83	125.6	-604.5	403.1	387.5	15.60	25.844		
4,400.0	4,392.4	4,377.8	4,330.1	8.8	13.5	-31.83	128.8	-619.5	413.0	397.0	15.96	25.872		
4,500.0	4,492.2	4,477.3	4,428.4	9.0	13.8	-31.83	132.0	-634.5	422.9	406.6	16.33	25.899		
4,600.0	4,592.0	4,576.8	4,526.7	9.2	14.1	-31.83	135.2	-649.5	432.8	416.1	16.70	25.924		
4,700.0	4,691.8	4,676.3	4,625.0	9.4	14.4	-31.83	138.4	-664.5	442.7	425.7	17.06	25.948		
4,800.0	4,791.6	4,775.8	4,723.4	9.6	14.8	-31.83	141.5	-679.6	452.6	435.2	17.43	25.972		
4,900.0	4,891.4	4,875.3	4,821.7	9.9	15.1	-31.83	144.7	-694.6	462.5	444.7	17.79	25.994		
5,000.0	4,991.3	4,974.8	4,920.0	10.1	15.4	-31.83	147.9	-709.6	472.4	454.3	18.16	26.015		
5,100.0	5,091.1	5,074.3	5,018.3	10.3	15.7	-31.83	151.1	-724.6	482.3	463.8	18.53	26.036		

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 Ione 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (Ione)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Ione 1D-8H	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 S8-T2N-R66W (Ione) - Ione 1E-8H - Hz - Plan #1													Offset Site Error: 0.0 ft
Survey Program: 0-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,200.0	5,190.9	5,173.8	5,116.6	10.5	16.0	-31.83	154.3	-739.6	492.3	473.4	18.89	26.056	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1D-8H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4917.0ft (Original Well Elev)
Reference Site:	S8-T2N-R66W (lone)	MD Reference:	WELL @ 4917.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1D-8H	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 @ 4917.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: lone 1D-8H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

