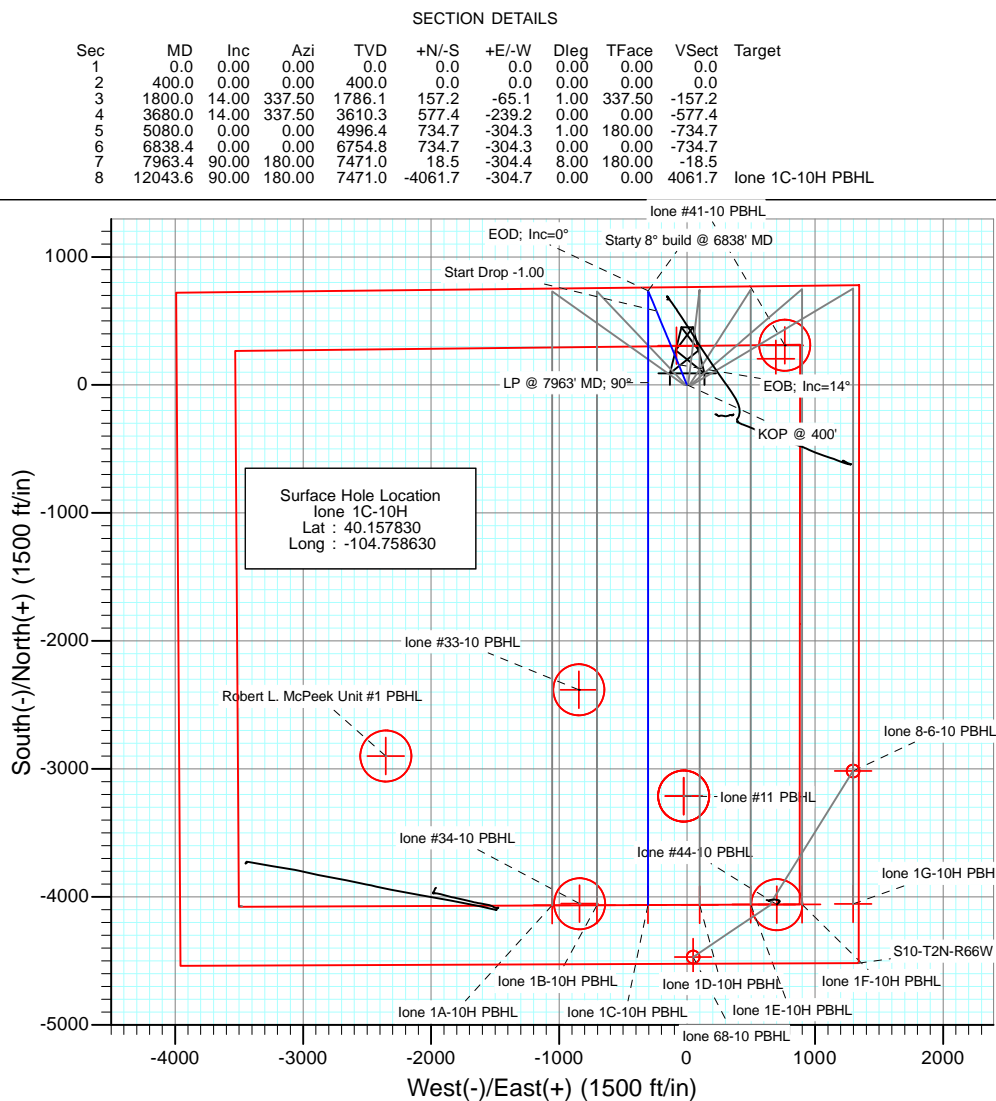
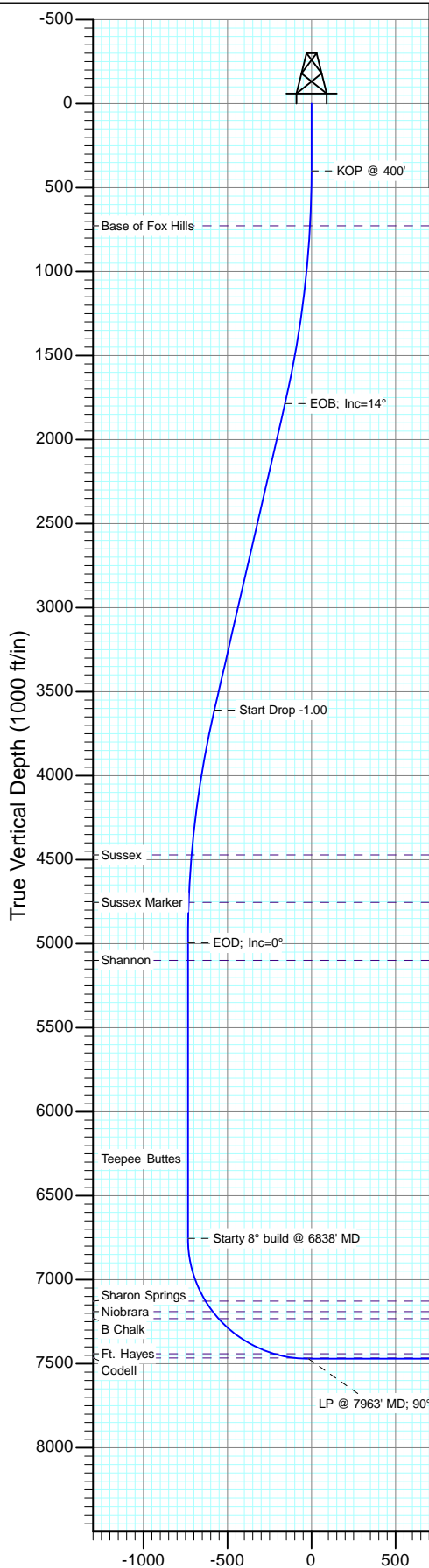


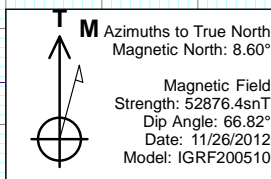


Project: DJ Wattenberg
Site: S10-T2N-R66W (lone)
Well: lone 1C-10H
Wellbore: Hz
Design: Plan #1



DESIGN TARGET DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
lone 1C-10H PBHL	-4061.7	-304.7	1297145.37	3206950.05	40.146680	-104.759720



FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
727.0	727.2	Base of Fox Hills
4472.0	4554.9	Sussex
4754.0	4837.6	Sussex Marker
5099.0	5182.6	Shannon
6282.0	6365.6	Teepee Buttes
7128.0	7231.0	Sharon Springs
7190.0	7306.2	Niobrara
7232.0	7360.7	B Chalk
7441.0	7755.4	Ft. Hayes
7466.0	7878.7	Codell

Plan #1
lone 1C-10H
12xxx; LR
WELL @ 5012.0ft (Original Well Elev)
Ground Elevation @ 4999.0
North American Datum 1983
Well lone 1C-10H, True North

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1C-10H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	S10-T2N-R66W (lone)	North Reference:	True
Well:	lone 1C-10H	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		S10-T2N-R66W (lone)			
Site Position:		Northing:	1,297,164.02 ft	Latitude:	40.146710
From:	Lat/Long	Easting:	3,207,875.24 ft	Longitude:	-104.756410
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.48 °

Well	lone 1C-10H					
Well Position	+N/-S	0.0 ft	Northing:	1,301,209.48 ft	Latitude:	40.157830
	+E/-W	0.0 ft	Easting:	3,207,220.79 ft	Longitude:	-104.758630
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,999.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	11/26/2012	8.60	66.82	52,876

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,800.0	14.00	337.50	1,786.1	157.2	-65.1	1.00	1.00	0.00	337.50	
3,680.0	14.00	337.50	3,610.3	577.4	-239.2	0.00	0.00	0.00	0.00	
5,080.0	0.00	0.00	4,996.4	734.7	-304.3	1.00	-1.00	0.00	180.00	
6,838.4	0.00	0.00	6,754.8	734.7	-304.3	0.00	0.00	0.00	0.00	
7,963.4	90.00	180.00	7,471.0	18.5	-304.4	8.00	8.00	0.00	180.00	
12,043.6	90.00	180.00	7,471.0	-4,061.7	-304.7	0.00	0.00	0.00	0.00	lone 1C-10H PBHL

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1C-10H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	S10-T2N-R66W (lone)	North Reference:	True
Well:	lone 1C-10H	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	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	KOP @ 400'
500.0	1.00	337.50	500.0	0.8	-0.3	-0.8	1.00	1.00	
600.0	2.00	337.50	600.0	3.2	-1.3	-3.2	1.00	1.00	
700.0	3.00	337.50	699.9	7.3	-3.0	-7.3	1.00	1.00	
727.2	3.27	337.50	727.0	8.6	-3.6	-8.6	1.00	1.00	Base of Fox Hills
800.0	4.00	337.50	799.7	12.9	-5.3	-12.9	1.00	1.00	
900.0	5.00	337.50	899.4	20.1	-8.3	-20.1	1.00	1.00	
1,000.0	6.00	337.50	998.9	29.0	-12.0	-29.0	1.00	1.00	
1,100.0	7.00	337.50	1,098.3	39.5	-16.3	-39.5	1.00	1.00	
1,200.0	8.00	337.50	1,197.4	51.5	-21.3	-51.5	1.00	1.00	
1,300.0	9.00	337.50	1,296.3	65.2	-27.0	-65.2	1.00	1.00	
1,400.0	10.00	337.50	1,394.9	80.4	-33.3	-80.4	1.00	1.00	
1,500.0	11.00	337.50	1,493.3	97.3	-40.3	-97.3	1.00	1.00	
1,600.0	12.00	337.50	1,591.2	115.7	-47.9	-115.7	1.00	1.00	
1,700.0	13.00	337.50	1,688.9	135.7	-56.2	-135.7	1.00	1.00	
1,800.0	14.00	337.50	1,786.1	157.2	-65.1	-157.2	1.00	1.00	EOB; Inc=14°
1,900.0	14.00	337.50	1,883.1	179.6	-74.4	-179.6	0.00	0.00	
2,000.0	14.00	337.50	1,980.2	201.9	-83.6	-201.9	0.00	0.00	
2,100.0	14.00	337.50	2,077.2	224.3	-92.9	-224.3	0.00	0.00	
2,200.0	14.00	337.50	2,174.2	246.6	-102.2	-246.6	0.00	0.00	
2,300.0	14.00	337.50	2,271.3	269.0	-111.4	-269.0	0.00	0.00	
2,400.0	14.00	337.50	2,368.3	291.3	-120.7	-291.3	0.00	0.00	
2,500.0	14.00	337.50	2,465.3	313.7	-129.9	-313.7	0.00	0.00	
2,600.0	14.00	337.50	2,562.3	336.0	-139.2	-336.0	0.00	0.00	
2,700.0	14.00	337.50	2,659.4	358.4	-148.5	-358.4	0.00	0.00	
2,800.0	14.00	337.50	2,756.4	380.7	-157.7	-380.7	0.00	0.00	
2,900.0	14.00	337.50	2,853.4	403.1	-167.0	-403.1	0.00	0.00	
3,000.0	14.00	337.50	2,950.5	425.4	-176.2	-425.4	0.00	0.00	
3,100.0	14.00	337.50	3,047.5	447.8	-185.5	-447.8	0.00	0.00	
3,200.0	14.00	337.50	3,144.5	470.1	-194.7	-470.1	0.00	0.00	
3,300.0	14.00	337.50	3,241.6	492.5	-204.0	-492.5	0.00	0.00	
3,400.0	14.00	337.50	3,338.6	514.8	-213.3	-514.8	0.00	0.00	
3,500.0	14.00	337.50	3,435.6	537.2	-222.5	-537.2	0.00	0.00	
3,600.0	14.00	337.50	3,532.6	559.5	-231.8	-559.5	0.00	0.00	
3,680.0	14.00	337.50	3,610.3	577.4	-239.2	-577.4	0.00	0.00	Start Drop -1.00
3,700.0	13.80	337.50	3,629.7	581.9	-241.0	-581.9	1.00	-1.00	
3,800.0	12.80	337.50	3,727.0	603.1	-249.8	-603.1	1.00	-1.00	
3,900.0	11.80	337.50	3,824.7	622.8	-258.0	-622.8	1.00	-1.00	
4,000.0	10.80	337.50	3,922.8	640.9	-265.5	-640.9	1.00	-1.00	
4,100.0	9.80	337.50	4,021.1	657.4	-272.3	-657.4	1.00	-1.00	
4,200.0	8.80	337.50	4,119.8	672.4	-278.5	-672.4	1.00	-1.00	
4,300.0	7.80	337.50	4,218.8	685.7	-284.0	-685.7	1.00	-1.00	
4,400.0	6.80	337.50	4,318.0	697.4	-288.9	-697.4	1.00	-1.00	
4,500.0	5.80	337.50	4,417.4	707.6	-293.1	-707.6	1.00	-1.00	
4,554.9	5.25	337.50	4,472.0	712.5	-295.1	-712.5	1.00	-1.00	Sussex
4,600.0	4.80	337.50	4,516.9	716.1	-296.6	-716.1	1.00	-1.00	
4,700.0	3.80	337.50	4,616.7	723.0	-299.5	-723.0	1.00	-1.00	
4,800.0	2.80	337.50	4,716.5	728.3	-301.7	-728.3	1.00	-1.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1C-10H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	S10-T2N-R66W (lone)	North Reference:	True
Well:	lone 1C-10H	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
4,837.6	2.42	337.50	4,754.0	729.9	-302.3	-729.9	1.00	-1.00	Sussex Marker
4,900.0	1.80	337.50	4,816.4	732.1	-303.2	-732.1	1.00	-1.00	
5,000.0	0.80	337.50	4,916.4	734.2	-304.1	-734.2	1.00	-1.00	
5,080.0	0.00	0.00	4,996.4	734.7	-304.3	-734.7	1.00	-1.00	EOD; Inc=0°
5,100.0	0.00	0.00	5,016.4	734.7	-304.3	-734.7	0.00	0.00	
5,182.6	0.00	0.00	5,099.0	734.7	-304.3	-734.7	0.00	0.00	Shannon
5,200.0	0.00	0.00	5,116.4	734.7	-304.3	-734.7	0.00	0.00	
5,300.0	0.00	0.00	5,216.4	734.7	-304.3	-734.7	0.00	0.00	
5,400.0	0.00	0.00	5,316.4	734.7	-304.3	-734.7	0.00	0.00	
5,500.0	0.00	0.00	5,416.4	734.7	-304.3	-734.7	0.00	0.00	
5,600.0	0.00	0.00	5,516.4	734.7	-304.3	-734.7	0.00	0.00	
5,700.0	0.00	0.00	5,616.4	734.7	-304.3	-734.7	0.00	0.00	
5,800.0	0.00	0.00	5,716.4	734.7	-304.3	-734.7	0.00	0.00	
5,900.0	0.00	0.00	5,816.4	734.7	-304.3	-734.7	0.00	0.00	
6,000.0	0.00	0.00	5,916.4	734.7	-304.3	-734.7	0.00	0.00	
6,100.0	0.00	0.00	6,016.4	734.7	-304.3	-734.7	0.00	0.00	
6,200.0	0.00	0.00	6,116.4	734.7	-304.3	-734.7	0.00	0.00	
6,300.0	0.00	0.00	6,216.4	734.7	-304.3	-734.7	0.00	0.00	
6,365.6	0.00	0.00	6,282.0	734.7	-304.3	-734.7	0.00	0.00	Teepee Buttes
6,400.0	0.00	0.00	6,316.4	734.7	-304.3	-734.7	0.00	0.00	
6,500.0	0.00	0.00	6,416.4	734.7	-304.3	-734.7	0.00	0.00	
6,600.0	0.00	0.00	6,516.4	734.7	-304.3	-734.7	0.00	0.00	
6,700.0	0.00	0.00	6,616.4	734.7	-304.3	-734.7	0.00	0.00	
6,800.0	0.00	0.00	6,716.4	734.7	-304.3	-734.7	0.00	0.00	
6,838.4	0.00	0.00	6,754.8	734.7	-304.3	-734.7	0.00	0.00	Starty 8° build @ 6838' MD
6,900.0	4.93	180.00	6,816.3	732.0	-304.3	-732.0	8.00	8.00	
7,000.0	12.93	180.00	6,915.0	716.5	-304.3	-716.5	8.00	8.00	
7,100.0	20.93	180.00	7,010.6	687.4	-304.3	-687.4	8.00	8.00	
7,200.0	28.93	180.00	7,101.2	645.3	-304.3	-645.3	8.00	8.00	
7,231.0	31.40	180.00	7,128.0	629.8	-304.3	-629.8	8.00	8.00	Sharon Springs
7,300.0	36.93	180.00	7,185.1	591.0	-304.3	-591.0	8.00	8.00	
7,306.2	37.42	180.00	7,190.0	587.3	-304.3	-587.3	8.00	8.00	Niobrara
7,360.7	41.78	180.00	7,232.0	552.5	-304.3	-552.5	8.00	8.00	B Chalk
7,400.0	44.93	180.00	7,260.6	525.6	-304.3	-525.6	8.00	8.00	
7,500.0	52.93	180.00	7,326.2	450.2	-304.3	-450.2	8.00	8.00	
7,600.0	60.93	180.00	7,380.8	366.5	-304.3	-366.5	8.00	8.00	
7,700.0	68.93	180.00	7,423.1	276.0	-304.3	-276.0	8.00	8.00	
7,755.4	73.36	180.00	7,441.0	223.6	-304.4	-223.6	8.00	8.00	Ft. Hayes
7,800.0	76.93	180.00	7,452.4	180.5	-304.4	-180.5	8.00	8.00	
7,878.7	83.23	180.00	7,466.0	103.0	-304.4	-103.0	8.00	8.00	Codell
7,900.0	84.93	180.00	7,468.2	81.8	-304.4	-81.8	8.00	8.00	
7,963.4	90.00	180.00	7,471.0	18.5	-304.4	-18.5	8.00	8.00	LP @ 7963' MD; 90°
8,000.0	90.00	180.00	7,471.0	-18.1	-304.4	18.1	0.00	0.00	
8,100.0	90.00	180.00	7,471.0	-118.1	-304.4	118.1	0.00	0.00	
8,200.0	90.00	180.00	7,471.0	-218.1	-304.4	218.1	0.00	0.00	
8,300.0	90.00	180.00	7,471.0	-318.1	-304.4	318.1	0.00	0.00	
8,400.0	90.00	180.00	7,471.0	-418.1	-304.4	418.1	0.00	0.00	
8,500.0	90.00	180.00	7,471.0	-518.1	-304.4	518.1	0.00	0.00	
8,600.0	90.00	180.00	7,471.0	-618.1	-304.4	618.1	0.00	0.00	
8,700.0	90.00	180.00	7,471.0	-718.1	-304.4	718.1	0.00	0.00	
8,800.0	90.00	180.00	7,471.0	-818.1	-304.4	818.1	0.00	0.00	
8,900.0	90.00	180.00	7,471.0	-918.1	-304.4	918.1	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1C-10H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	S10-T2N-R66W (lone)	North Reference:	True
Well:	lone 1C-10H	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
9,000.0	90.00	180.00	7,471.0	-1,018.1	-304.5	1,018.1	0.00	0.00	
9,100.0	90.00	180.00	7,471.0	-1,118.1	-304.5	1,118.1	0.00	0.00	
9,200.0	90.00	180.00	7,471.0	-1,218.1	-304.5	1,218.1	0.00	0.00	
9,300.0	90.00	180.00	7,471.0	-1,318.1	-304.5	1,318.1	0.00	0.00	
9,400.0	90.00	180.00	7,471.0	-1,418.1	-304.5	1,418.1	0.00	0.00	
9,500.0	90.00	180.00	7,471.0	-1,518.1	-304.5	1,518.1	0.00	0.00	
9,600.0	90.00	180.00	7,471.0	-1,618.1	-304.5	1,618.1	0.00	0.00	
9,700.0	90.00	180.00	7,471.0	-1,718.1	-304.5	1,718.1	0.00	0.00	
9,800.0	90.00	180.00	7,471.0	-1,818.1	-304.5	1,818.1	0.00	0.00	
9,900.0	90.00	180.00	7,471.0	-1,918.1	-304.5	1,918.1	0.00	0.00	
10,000.0	90.00	180.00	7,471.0	-2,018.1	-304.5	2,018.1	0.00	0.00	
10,100.0	90.00	180.00	7,471.0	-2,118.1	-304.5	2,118.1	0.00	0.00	
10,200.0	90.00	180.00	7,471.0	-2,218.1	-304.6	2,218.1	0.00	0.00	
10,300.0	90.00	180.00	7,471.0	-2,318.1	-304.6	2,318.1	0.00	0.00	
10,400.0	90.00	180.00	7,471.0	-2,418.1	-304.6	2,418.1	0.00	0.00	
10,500.0	90.00	180.00	7,471.0	-2,518.1	-304.6	2,518.1	0.00	0.00	
10,600.0	90.00	180.00	7,471.0	-2,618.1	-304.6	2,618.1	0.00	0.00	
10,700.0	90.00	180.00	7,471.0	-2,718.1	-304.6	2,718.1	0.00	0.00	
10,800.0	90.00	180.00	7,471.0	-2,818.1	-304.6	2,818.1	0.00	0.00	
10,900.0	90.00	180.00	7,471.0	-2,918.1	-304.6	2,918.1	0.00	0.00	
11,000.0	90.00	180.00	7,471.0	-3,018.1	-304.6	3,018.1	0.00	0.00	
11,100.0	90.00	180.00	7,471.0	-3,118.1	-304.6	3,118.1	0.00	0.00	
11,200.0	90.00	180.00	7,471.0	-3,218.1	-304.6	3,218.1	0.00	0.00	
11,300.0	90.00	180.00	7,471.0	-3,318.1	-304.6	3,318.1	0.00	0.00	
11,400.0	90.00	180.00	7,471.0	-3,418.1	-304.7	3,418.1	0.00	0.00	
11,500.0	90.00	180.00	7,471.0	-3,518.1	-304.7	3,518.1	0.00	0.00	
11,600.0	90.00	180.00	7,471.0	-3,618.1	-304.7	3,618.1	0.00	0.00	
11,700.0	90.00	180.00	7,471.0	-3,718.1	-304.7	3,718.1	0.00	0.00	
11,800.0	90.00	180.00	7,471.0	-3,818.1	-304.7	3,818.1	0.00	0.00	
11,900.0	90.00	180.00	7,471.0	-3,918.1	-304.7	3,918.1	0.00	0.00	
12,000.0	90.00	180.00	7,471.0	-4,018.1	-304.7	4,018.1	0.00	0.00	
12,043.6	90.00	180.00	7,471.0	-4,061.7	-304.7	4,061.7	0.00	0.00	TD at 12043.6 - lone 1C-10H 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 1C-10H PBHL - plan hits target center - Point	0.00	0.00	7,471.0	-4,061.7	-304.7	1,297,145.37	3,206,950.05	40.146680	-104.759720

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well lone 1C-10H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site:	S10-T2N-R66W (lone)	North Reference:	True
Well:	lone 1C-10H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
727.2	727.0	Base of Fox Hills				
4,554.9	4,472.0	Sussex				
4,837.6	4,754.0	Sussex Marker				
5,182.6	5,099.0	Shannon				
6,365.6	6,282.0	Teepee Buttes				
7,231.0	7,128.0	Sharon Springs				
7,306.2	7,190.0	Niobrara				
7,360.7	7,232.0	B Chalk				
7,755.4	7,441.0	Ft. Hayes				
7,878.7	7,466.0	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'	
1,800.0	1,786.1	157.2	-65.1	EOB; Inc=14°	
3,680.0	3,610.3	577.4	-239.2	Start Drop -1.00	
5,080.0	4,996.4	734.7	-304.3	EOD; Inc=0°	
6,838.4	6,754.8	734.7	-304.3	Starty 8° build @ 6838' MD	
7,963.4	7,471.0	18.5	-304.4	LP @ 7963' MD; 90°	
12,043.6	7,471.0	-4,061.7	-304.7	TD at 12043.6	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S10-T2N-R66W (lone)

lone 1C-10H

Hz

Plan #1

Anticollision Report

26 November, 2012

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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	11/26/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	12,043.6	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						
S10-T2N-R66W (lone)						
HSR McPeek 13-10A (Existing) - Existing - Existing						Out of range
lone #11 (Existing) - Existing - Existing	11,194.1	7,471.0	277.8	205.0	3.816	CC
lone #11 (Existing) - Existing - Existing	11,200.0	7,471.0	277.9	205.0	3.811	ES, SF
lone #2 (Exsiting) - Hz - Hz	100.0	88.6	428.6	428.4	1,869.812	CC
lone #2 (Exsiting) - Hz - Hz	406.9	396.3	428.9	427.9	414.343	ES
lone #2 (Exsiting) - Hz - Hz	1,400.0	1,386.1	499.2	495.4	132.787	SF
lone #33-10 (Existing) - Existing - Existing						Out of range
lone #34-10 (Existing) - Existing - Existing						Out of range
lone #41-10 (Existing) - Existing - Existing						Out of range
lone #44-10 (Existing) - Existing - Existing						Out of range
lone #8-2-10 (Exsiting) - Existing - Existing	124.9	129.9	488.5	488.0	1,155.011	CC, ES
lone #8-2-10 (Exsiting) - Existing - Existing	400.0	367.0	498.0	496.6	372.920	SF
lone 1A-10H - Hz - Plan #1	200.0	200.0	22.4	21.7	34.256	CC, ES
lone 1A-10H - Hz - Plan #1	900.0	895.9	48.9	45.7	15.301	SF
lone 1B-10H - Hz - Plan #1	300.0	300.0	11.2	10.2	11.160	CC, ES
lone 1B-10H - Hz - Plan #1	12,043.6	11,847.1	458.2	327.2	3.497	SF
lone 1D-10H - Hz - Plan #1	400.0	400.0	8.4	7.0	6.207	CC, ES
lone 1D-10H - Hz - Plan #1	12,043.6	11,816.8	460.7	329.6	3.516	SF
lone 1E-10H - Hz - Plan #1	400.0	400.0	19.6	18.2	14.483	CC, ES
lone 1E-10H - Hz - Plan #1	700.0	699.3	26.8	24.4	11.088	SF
lone 1F-10H - Hz - Plan #1	300.0	300.0	28.0	26.9	27.900	CC, ES
lone 1F-10H - Hz - Plan #1	600.0	598.6	35.3	33.2	17.150	SF
lone 1G-10H - Hz - Plan #1	200.0	200.0	39.1	38.5	59.947	CC, ES
lone 1G-10H - Hz - Plan #1	700.0	695.8	60.8	58.4	25.131	SF
lone 4-2-10 (Existing) - Existing - Existing	400.0	384.0	484.7	483.3	360.139	CC, ES
lone 4-2-10 (Existing) - Existing - Existing	800.0	783.7	496.6	493.9	180.746	SF
lone 6-0-10 (Existing) - Existing - Existing	4,827.5	4,910.3	150.7	128.7	6.873	CC
lone 6-0-10 (Existing) - Existing - Existing	7,157.1	7,227.1	154.2	126.8	5.624	ES
lone 6-0-10 (Existing) - Existing - Existing	7,200.0	7,265.2	155.5	127.6	5.583	SF
lone 6-8-10 (Existing) - DD - Plan #1						Out of range
lone 8-6-10 (Existing) - DD - Plan #1						Out of range
McPeek #14-10 (Existing) - Existing - Existing						Out of range
McPeek #24-10 (Existing) - Existing - Existing						Out of range
Robert L. McPeek Unit #1 (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 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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													S10-T2N-R66W (lone) - lone #11 (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	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							
10,800.0	7,471.0	7,471.0	7,471.0	53.3	13.0	-90.00	-3,212.2	-26.8	482.2	416.1	66.11	7.294						
10,900.0	7,471.0	7,471.0	7,471.0	55.0	13.0	-90.00	-3,212.2	-26.8	404.6	336.8	67.80	5.967						
11,000.0	7,471.0	7,471.0	7,471.0	56.7	13.0	-90.00	-3,212.2	-26.8	338.9	269.4	69.50	4.876						
11,100.0	7,471.0	7,471.0	7,471.0	58.4	13.0	-90.00	-3,212.2	-26.8	293.3	222.1	71.20	4.119						
11,194.1	7,471.0	7,471.0	7,471.0	60.0	13.0	-90.00	-3,212.2	-26.8	277.8	205.0	72.81	3.816 CC						
11,200.0	7,471.0	7,471.0	7,471.0	60.1	13.0	-90.00	-3,212.2	-26.8	277.9	205.0	72.91	3.811 ES, SF						
11,300.0	7,471.0	7,471.0	7,471.0	61.8	13.0	-90.00	-3,212.2	-26.8	297.3	222.7	74.62	3.984						
11,400.0	7,471.0	7,471.0	7,471.0	63.5	13.0	-90.00	-3,212.2	-26.8	345.8	269.5	76.33	4.530						
11,500.0	7,471.0	7,471.0	7,471.0	65.2	13.0	-90.00	-3,212.2	-26.8	413.2	335.2	78.04	5.295						
11,600.0	7,471.0	7,471.0	7,471.0	66.9	13.0	-90.00	-3,212.2	-26.8	491.9	412.1	79.76	6.167						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone #2 (Exsiting) - Hz - Hz													Offset Site Error:	0.0 ft
Survey Program: 100-Gyro													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	122.44	-229.8	361.7	428.7					
100.0	100.0	88.6	88.6	0.2	0.1	122.46	-230.0	361.6	428.6	428.4	0.23	1,869.812 CC		
200.0	200.0	188.7	188.7	0.3	0.2	122.55	-230.7	361.3	428.7	428.2	0.49	872.444		
300.0	300.0	287.9	287.9	0.5	0.3	122.71	-231.7	360.8	428.8	428.1	0.75	569.482		
400.0	400.0	389.3	389.3	0.7	0.3	122.89	-232.9	360.2	429.0	427.9	1.02	421.911		
406.9	406.9	396.3	396.3	0.7	0.3	145.40	-233.0	360.1	428.9	427.9	1.04	414.343 ES		
500.0	500.0	488.3	488.3	0.9	0.4	145.63	-234.0	359.5	429.7	428.4	1.28	336.015		
600.0	600.0	589.4	589.4	1.0	0.5	145.98	-235.1	358.9	431.9	430.4	1.54	279.876		
700.0	699.9	690.7	690.6	1.2	0.6	146.45	-236.0	358.0	435.3	433.5	1.81	240.568		
800.0	799.7	791.2	791.2	1.4	0.7	146.99	-236.5	357.0	439.9	437.8	2.08	211.747		
900.0	899.4	891.7	891.7	1.6	0.8	147.61	-236.8	356.0	445.9	443.5	2.35	189.812		
1,000.0	998.9	991.1	991.0	1.8	0.9	148.33	-237.1	354.9	453.3	450.6	2.62	172.777		
1,100.0	1,098.3	1,090.4	1,090.3	2.1	1.0	149.12	-237.4	353.9	462.3	459.4	2.90	159.313		
1,200.0	1,197.4	1,189.4	1,189.3	2.3	1.0	149.95	-237.5	353.0	472.9	469.7	3.18	148.531		
1,300.0	1,296.3	1,288.6	1,288.5	2.6	1.1	150.83	-237.5	352.2	485.2	481.7	3.47	139.805		
1,400.0	1,394.9	1,386.1	1,386.0	2.9	1.2	151.74	-237.7	351.4	499.2	495.4	3.76	132.787 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone #8-2-10 (Exsiting) - Existing - Existing													Offset Site Error: 0.0 ft
Survey Program: 93-MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
0.0	0.0	5.2	5.2	0.0	0.0	126.79	-292.9	391.6	489.0				
100.0	100.0	107.4	107.4	0.2	0.2	126.71	-292.0	391.6	488.5	488.2	0.34	1,436.859	
124.9	124.9	129.9	129.9	0.2	0.2	126.68	-291.8	391.7	488.5	488.0	0.42	1,155.011	CC, ES
200.0	200.0	197.3	197.3	0.3	0.3	126.58	-291.4	392.6	489.0	488.4	0.67	725.926	
300.0	300.0	277.0	276.9	0.5	0.5	126.45	-291.8	395.1	491.9	490.9	0.99	495.941	
400.0	400.0	367.0	366.8	0.7	0.7	126.28	-293.8	400.3	498.0	496.6	1.34	372.920	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1A-10H - 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	-89.96	0.0	-22.4	22.4					
100.0	100.0	100.0	100.0	0.2	0.2	-89.96	0.0	-22.4	22.4	22.1	0.30	73.630		
200.0	200.0	200.0	200.0	0.3	0.3	-89.96	0.0	-22.4	22.4	21.7	0.65	34.256 CC, ES		
300.0	300.0	299.7	299.7	0.5	0.5	-88.71	0.5	-23.1	23.1	22.1	1.00	23.047		
400.0	400.0	399.3	399.2	0.7	0.7	-85.42	2.0	-25.2	25.3	23.9	1.35	18.730		
500.0	500.0	498.8	498.7	0.9	0.9	-60.01	4.5	-28.7	28.7	27.0	1.70	16.832		
600.0	600.0	598.3	597.9	1.0	1.1	-58.98	8.0	-33.7	32.7	30.7	2.06	15.904		
700.0	699.9	697.6	697.0	1.2	1.3	-59.27	12.5	-40.0	37.5	35.0	2.42	15.467		
800.0	799.7	796.8	795.8	1.4	1.5	-60.42	18.0	-47.7	42.8	40.0	2.80	15.305		
900.0	899.4	895.9	894.2	1.6	1.8	-62.09	24.4	-56.8	48.9	45.7	3.20	15.301 SF		
1,000.0	998.9	994.9	992.4	1.8	2.0	-64.05	31.8	-67.3	55.7	52.1	3.62	15.382		
1,100.0	1,098.3	1,093.8	1,090.1	2.1	2.3	-66.13	40.2	-79.1	63.3	59.2	4.08	15.503		
1,200.0	1,197.4	1,192.4	1,187.5	2.3	2.6	-68.23	49.6	-92.3	71.7	67.1	4.59	15.634		
1,300.0	1,296.3	1,290.9	1,284.3	2.6	3.0	-70.26	59.8	-106.9	80.9	75.8	5.14	15.758		
1,400.0	1,394.9	1,389.2	1,380.7	2.9	3.4	-72.20	71.1	-122.7	91.0	85.3	5.74	15.866		
1,500.0	1,493.3	1,487.3	1,476.5	3.3	3.8	-74.02	83.2	-139.9	102.0	95.6	6.39	15.956		
1,600.0	1,591.2	1,585.2	1,571.8	3.6	4.2	-75.70	96.3	-158.4	113.8	106.7	7.10	16.026		
1,700.0	1,688.9	1,682.9	1,666.4	4.0	4.6	-77.26	110.3	-178.1	126.5	118.7	7.87	16.081		
1,800.0	1,786.1	1,781.7	1,761.8	4.5	5.1	-78.89	125.0	-199.0	139.8	131.1	8.69	16.077		
1,900.0	1,883.1	1,880.7	1,857.5	4.9	5.6	-80.66	139.9	-219.9	153.0	143.4	9.55	16.016		
2,000.0	1,980.2	1,979.7	1,953.1	5.3	6.0	-82.15	154.7	-240.8	166.3	155.9	10.42	15.961		
2,100.0	2,077.2	2,078.8	2,048.8	5.8	6.5	-83.42	169.5	-261.7	179.7	168.4	11.30	15.912		
2,200.0	2,174.2	2,177.8	2,144.4	6.2	7.0	-84.51	184.3	-282.6	193.2	181.1	12.18	15.868		
2,300.0	2,271.3	2,276.8	2,240.1	6.6	7.5	-85.46	199.1	-303.5	206.8	193.7	13.06	15.830		
2,400.0	2,368.3	2,375.8	2,335.7	7.1	7.9	-86.29	213.9	-324.5	220.4	206.5	13.95	15.797		
2,500.0	2,465.3	2,474.8	2,431.4	7.5	8.4	-87.03	228.7	-345.4	234.1	219.2	14.84	15.767		
2,600.0	2,562.3	2,573.9	2,527.0	8.0	8.9	-87.68	243.5	-366.3	247.7	232.0	15.74	15.741		
2,700.0	2,659.4	2,672.9	2,622.7	8.4	9.4	-88.27	258.3	-387.2	261.5	244.8	16.63	15.718		
2,800.0	2,756.4	2,771.9	2,718.3	8.9	9.9	-88.79	273.1	-408.1	275.2	257.7	17.53	15.697		
2,900.0	2,853.4	2,870.9	2,814.0	9.3	10.4	-89.27	288.0	-429.0	289.0	270.5	18.43	15.679		
3,000.0	2,950.5	2,970.0	2,909.6	9.8	10.8	-89.70	302.8	-449.9	302.7	283.4	19.33	15.662		
3,100.0	3,047.5	3,069.0	3,005.2	10.2	11.3	-90.10	317.6	-470.9	316.5	296.3	20.23	15.647		
3,200.0	3,144.5	3,168.0	3,100.9	10.7	11.8	-90.46	332.4	-491.8	330.3	309.2	21.13	15.633		
3,300.0	3,241.6	3,267.0	3,196.5	11.1	12.3	-90.80	347.2	-512.7	344.1	322.1	22.03	15.621		
3,400.0	3,338.6	3,366.0	3,292.2	11.6	12.8	-91.10	362.0	-533.6	358.0	335.0	22.93	15.610		
3,500.0	3,435.6	3,465.1	3,387.8	12.0	13.3	-91.39	376.8	-554.5	371.8	348.0	23.83	15.600		
3,600.0	3,532.6	3,564.1	3,483.5	12.5	13.7	-91.65	391.6	-575.4	385.7	360.9	24.74	15.590		
3,700.0	3,629.7	3,663.1	3,579.1	13.0	14.2	-91.92	406.4	-596.4	399.5	373.9	25.64	15.581		
3,800.0	3,727.0	3,762.1	3,674.8	13.4	14.7	-92.12	421.2	-617.3	413.3	386.8	26.51	15.590		
3,900.0	3,824.7	3,861.2	3,770.5	13.8	15.2	-92.08	436.1	-638.2	427.1	399.7	27.33	15.624		
4,000.0	3,922.8	3,960.2	3,866.1	14.1	15.7	-91.82	450.9	-659.1	440.8	412.7	28.11	15.681		
4,100.0	4,021.1	4,059.1	3,961.7	14.5	16.2	-91.36	465.7	-680.0	454.5	425.6	28.83	15.761		
4,200.0	4,119.8	4,158.0	4,057.2	14.8	16.7	-90.73	480.5	-700.9	468.2	438.7	29.51	15.866		
4,300.0	4,218.8	4,256.7	4,152.5	15.1	17.2	-89.93	495.2	-721.8	482.0	451.8	30.13	15.998		
4,400.0	4,318.0	4,355.3	4,247.8	15.4	17.6	-88.98	510.0	-742.6	495.9	465.2	30.69	16.160		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1B-10H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-89.96	0.0	-11.2	11.2					
100.0	100.0	100.0	100.0	0.2	0.2	-89.96	0.0	-11.2	11.2	10.9	0.30	36.815		
200.0	200.0	200.0	200.0	0.3	0.3	-89.96	0.0	-11.2	11.2	10.5	0.65	17.128		
300.0	300.0	300.0	300.0	0.5	0.5	-89.96	0.0	-11.2	11.2	10.2	1.00	11.160 CC, ES		
400.0	400.0	399.9	399.9	0.7	0.7	-86.89	0.6	-11.8	11.8	10.4	1.35	8.734		
500.0	500.0	499.7	499.6	0.9	0.9	-60.06	2.5	-13.6	13.4	11.7	1.70	7.850		
600.0	600.0	599.5	599.3	1.0	1.0	-58.27	5.7	-16.6	15.4	13.4	2.06	7.507		
700.0	699.9	699.2	698.9	1.2	1.2	-58.31	10.1	-20.7	18.0	15.6	2.42	7.435		
800.0	799.7	798.9	798.2	1.4	1.4	-59.49	15.8	-26.1	21.0	18.2	2.80	7.512		
900.0	899.4	898.5	897.4	1.6	1.7	-61.33	22.7	-32.7	24.5	21.3	3.20	7.673		
1,000.0	998.9	998.1	996.3	1.8	1.9	-63.48	30.8	-40.4	28.6	25.0	3.63	7.879		
1,100.0	1,098.3	1,097.6	1,095.0	2.1	2.2	-65.72	40.2	-49.3	33.2	29.1	4.09	8.101		
1,200.0	1,197.4	1,197.0	1,193.3	2.3	2.5	-67.92	50.8	-59.4	38.3	33.7	4.60	8.323		
1,300.0	1,296.3	1,296.4	1,291.3	2.6	2.8	-70.01	62.7	-70.7	44.0	38.9	5.16	8.534		
1,400.0	1,394.9	1,395.6	1,389.0	2.9	3.1	-71.96	75.8	-83.1	50.3	44.6	5.77	8.727		
1,500.0	1,493.3	1,494.8	1,486.2	3.3	3.5	-73.75	90.0	-96.6	57.2	50.8	6.43	8.901		
1,600.0	1,591.2	1,593.9	1,582.9	3.6	3.9	-75.37	105.5	-111.3	64.7	57.6	7.15	9.054		
1,700.0	1,688.9	1,692.9	1,679.2	4.0	4.3	-76.85	122.2	-127.1	72.9	64.9	7.93	9.189		
1,800.0	1,786.1	1,791.7	1,774.9	4.5	4.8	-78.18	140.1	-144.1	81.6	72.8	8.77	9.306		
1,900.0	1,883.1	1,891.2	1,871.1	4.9	5.2	-79.34	158.8	-161.8	90.7	81.1	9.62	9.424		
2,000.0	1,980.2	1,990.8	1,967.2	5.3	5.7	-80.28	177.4	-179.6	99.8	89.3	10.49	9.516		
2,100.0	2,077.2	2,090.4	2,063.4	5.8	6.2	-81.06	196.1	-197.3	109.0	97.6	11.37	9.589		
2,200.0	2,174.2	2,190.0	2,159.6	6.2	6.6	-81.72	214.8	-215.0	118.2	105.9	12.25	9.648		
2,300.0	2,271.3	2,289.5	2,255.8	6.6	7.1	-82.29	233.5	-232.8	127.4	114.2	13.14	9.696		
2,400.0	2,368.3	2,389.1	2,351.9	7.1	7.6	-82.78	252.2	-250.5	136.6	122.6	14.03	9.736		
2,500.0	2,465.3	2,488.7	2,448.1	7.5	8.1	-83.21	270.9	-268.3	145.8	130.9	14.92	9.770		
2,600.0	2,562.3	2,588.2	2,544.3	8.0	8.6	-83.58	289.6	-286.0	155.0	139.2	15.82	9.799		
2,700.0	2,659.4	2,687.8	2,640.5	8.4	9.0	-83.92	308.3	-303.7	164.3	147.5	16.72	9.824		
2,800.0	2,756.4	2,787.4	2,736.6	8.9	9.5	-84.22	327.0	-321.5	173.5	155.9	17.62	9.845		
2,900.0	2,853.4	2,886.9	2,832.8	9.3	10.0	-84.49	345.7	-339.2	182.7	164.2	18.53	9.864		
3,000.0	2,950.5	2,986.5	2,929.0	9.8	10.5	-84.73	364.4	-357.0	192.0	172.5	19.43	9.880		
3,100.0	3,047.5	3,086.1	3,025.2	10.2	11.0	-84.95	383.1	-374.7	201.2	180.9	20.34	9.895		
3,200.0	3,144.5	3,185.6	3,121.4	10.7	11.4	-85.15	401.8	-392.4	210.5	189.2	21.24	9.908		
3,300.0	3,241.6	3,285.2	3,217.5	11.1	11.9	-85.34	420.5	-410.2	219.7	197.6	22.15	9.919		
3,400.0	3,338.6	3,384.8	3,313.7	11.6	12.4	-85.51	439.2	-427.9	229.0	205.9	23.06	9.929		
3,500.0	3,435.6	3,484.3	3,409.9	12.0	12.9	-85.66	457.8	-445.7	238.2	214.3	23.97	9.939		
3,600.0	3,532.6	3,583.9	3,506.1	12.5	13.4	-85.81	476.5	-463.4	247.5	222.6	24.88	9.947		
3,700.0	3,629.7	3,683.5	3,602.2	13.0	13.9	-85.95	495.2	-481.1	256.7	230.9	25.79	9.955		
3,800.0	3,727.0	3,783.0	3,698.4	13.4	14.4	-85.91	513.9	-498.9	266.1	239.4	26.65	9.984		
3,900.0	3,824.7	3,882.6	3,794.5	13.8	14.8	-85.51	532.6	-516.6	275.6	248.1	27.45	10.037		
4,000.0	3,922.8	3,982.0	3,890.6	14.1	15.3	-84.80	551.3	-534.3	285.2	257.0	28.19	10.117		
4,100.0	4,021.1	4,081.4	3,986.6	14.5	15.8	-83.80	569.9	-552.0	295.1	266.2	28.86	10.224		
4,200.0	4,119.8	4,180.6	4,082.4	14.8	16.3	-82.56	588.6	-569.7	305.3	275.9	29.46	10.364		
4,300.0	4,218.8	4,282.4	4,181.0	15.1	16.8	-81.18	607.1	-587.2	315.5	285.5	29.98	10.524		
4,400.0	4,318.0	4,384.5	4,280.3	15.4	17.2	-79.86	624.3	-603.6	325.3	294.9	30.44	10.688		
4,500.0	4,417.4	4,486.9	4,380.2	15.6	17.6	-78.58	640.4	-618.8	334.7	303.9	30.83	10.856		
4,600.0	4,516.9	4,589.5	4,480.8	15.8	18.0	-77.33	655.1	-632.9	343.6	312.5	31.16	11.027		
4,700.0	4,616.7	4,692.4	4,582.0	16.0	18.4	-76.10	668.6	-645.6	352.1	320.7	31.43	11.203		
4,800.0	4,716.5	4,795.5	4,683.7	16.2	18.7	-74.89	680.8	-657.2	360.2	328.5	31.64	11.383		
4,900.0	4,816.4	4,898.8	4,785.9	16.3	19.0	-73.69	691.7	-667.5	367.8	336.0	31.80	11.568		
5,000.0	4,916.4	5,002.4	4,888.7	16.4	19.3	-72.49	701.2	-676.6	375.0	343.1	31.89	11.759		
5,100.0	5,016.4	5,106.2	4,991.8	16.5	19.5	-93.79	709.5	-684.4	381.7	349.8	31.93	11.954		

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 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1B-10H - 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	5,116.4	5,210.3	5,095.5	16.6	19.7	-92.71	716.4	-691.0	387.7	355.7	31.98	12.122		
5,300.0	5,216.4	5,314.7	5,199.7	16.7	19.9	-91.87	721.9	-696.2	392.5	360.4	32.06	12.244		
5,400.0	5,316.4	5,419.4	5,304.2	16.8	20.1	-91.24	726.1	-700.2	396.2	364.0	32.16	12.317		
5,500.0	5,416.4	5,524.2	5,408.9	16.9	20.2	-90.83	728.9	-702.8	398.6	366.3	32.31	12.339		
5,600.0	5,516.4	5,629.2	5,513.9	17.0	20.3	-90.63	730.3	-704.2	399.9	367.4	32.48	12.311		
5,700.0	5,616.4	5,731.7	5,616.4	17.1	20.4	-90.61	730.4	-704.3	400.0	367.4	32.69	12.238		
5,800.0	5,716.4	5,831.7	5,716.4	17.2	20.5	-90.61	730.4	-704.3	400.0	367.1	32.90	12.158		
5,900.0	5,816.4	5,931.7	5,816.4	17.3	20.6	-90.61	730.4	-704.3	400.0	366.9	33.12	12.079		
6,000.0	5,916.4	6,031.7	5,916.4	17.4	20.7	-90.61	730.4	-704.3	400.0	366.7	33.34	12.000		
6,100.0	6,016.4	6,131.7	6,016.4	17.5	20.7	-90.61	730.4	-704.3	400.0	366.5	33.56	11.921		
6,200.0	6,116.4	6,231.7	6,116.4	17.6	20.8	-90.61	730.4	-704.3	400.0	366.3	33.78	11.842		
6,300.0	6,216.4	6,331.7	6,216.4	17.7	20.9	-90.61	730.4	-704.3	400.0	366.0	34.01	11.764		
6,400.0	6,316.4	6,431.7	6,316.4	17.8	21.0	-90.61	730.4	-704.3	400.0	365.8	34.23	11.686		
6,500.0	6,416.4	6,531.7	6,416.4	17.9	21.1	-90.61	730.4	-704.3	400.0	365.6	34.46	11.608		
6,600.0	6,516.4	6,631.7	6,516.4	18.1	21.2	-90.61	730.4	-704.3	400.0	365.4	34.69	11.531		
6,606.1	6,522.5	6,637.8	6,522.5	18.1	21.2	-90.61	730.4	-704.3	400.0	365.3	34.71	11.527		
6,700.0	6,616.4	6,730.8	6,615.3	18.2	21.2	-91.32	725.4	-704.3	400.1	365.2	34.98	11.439		
6,800.0	6,716.4	6,826.7	6,709.5	18.3	21.1	-93.84	707.8	-704.3	401.0	365.5	35.48	11.302		
6,900.0	6,816.3	6,917.2	6,795.5	18.3	20.9	82.32	679.7	-704.3	404.0	368.0	36.00	11.223		
7,000.0	6,915.0	7,004.6	6,874.5	18.2	20.6	78.53	642.6	-704.3	408.8	372.7	36.08	11.330		
7,100.0	7,010.6	7,089.6	6,946.5	18.0	20.2	75.03	597.5	-704.3	415.0	379.3	35.68	11.630		
7,200.0	7,101.2	7,172.5	7,011.0	17.6	19.9	71.87	545.6	-704.3	422.0	387.2	34.84	12.114		
7,300.0	7,185.1	7,250.0	7,065.6	17.1	19.5	69.18	490.6	-704.3	429.4	395.8	33.63	12.768		
7,400.0	7,260.6	7,333.4	7,117.4	16.6	19.1	66.71	425.2	-704.3	436.6	404.5	32.10	13.601		
7,500.0	7,326.2	7,412.0	7,158.8	16.0	18.8	64.72	358.5	-704.3	443.2	412.8	30.44	14.559		
7,600.0	7,380.8	7,489.7	7,192.4	15.5	18.6	63.14	288.5	-704.3	449.0	420.1	28.81	15.583		
7,700.0	7,423.1	7,566.7	7,218.0	15.1	18.4	61.97	215.9	-704.3	453.5	426.1	27.40	16.554		
7,800.0	7,452.4	7,643.3	7,235.6	14.9	18.2	61.18	141.4	-704.3	456.7	430.3	26.40	17.301		
7,900.0	7,468.2	7,719.6	7,245.1	14.8	18.2	60.79	65.7	-704.4	458.3	432.3	25.98	17.640		
8,000.0	7,471.0	7,803.5	7,247.0	14.9	18.3	60.75	-18.1	-704.4	458.4	432.2	26.23	17.480		
8,100.0	7,471.0	7,903.5	7,247.0	15.3	18.6	60.75	-118.1	-704.4	458.4	431.5	26.92	17.031		
8,200.0	7,471.0	8,003.5	7,247.0	15.8	19.0	60.75	-218.1	-704.4	458.4	430.5	27.93	16.414		
8,300.0	7,471.0	8,103.5	7,247.0	16.5	19.6	60.75	-318.1	-704.4	458.4	429.2	29.23	15.683		
8,400.0	7,471.0	8,203.5	7,247.0	17.4	20.3	60.75	-418.1	-704.4	458.4	427.6	30.78	14.892		
8,500.0	7,471.0	8,303.5	7,247.0	18.4	21.1	60.75	-518.1	-704.4	458.4	425.9	32.55	14.083		
8,600.0	7,471.0	8,403.5	7,247.0	19.5	22.1	60.75	-618.1	-704.4	458.4	423.9	34.50	13.287		
8,700.0	7,471.0	8,503.5	7,247.0	20.7	23.1	60.75	-718.1	-704.4	458.4	421.8	36.60	12.523		
8,800.0	7,471.0	8,603.5	7,247.0	21.9	24.2	60.75	-818.1	-704.4	458.4	419.6	38.84	11.803		
8,900.0	7,471.0	8,703.5	7,247.0	23.2	25.5	60.75	-918.1	-704.4	458.4	417.2	41.18	11.132		
9,000.0	7,471.0	8,803.5	7,247.0	24.6	26.7	60.75	-1,018.1	-704.4	458.4	414.8	43.61	10.512		
9,100.0	7,471.0	8,903.5	7,247.0	26.0	28.0	60.75	-1,118.1	-704.4	458.4	412.3	46.11	9.941		
9,200.0	7,471.0	9,003.5	7,247.0	27.5	29.4	60.75	-1,218.1	-704.4	458.4	409.7	48.68	9.416		
9,300.0	7,471.0	9,103.5	7,247.0	29.0	30.8	60.75	-1,318.1	-704.4	458.4	407.1	51.31	8.934		
9,400.0	7,471.0	9,203.5	7,247.0	30.5	32.2	60.75	-1,418.1	-704.4	458.4	404.4	53.98	8.492		
9,500.0	7,471.0	9,303.5	7,247.0	32.1	33.7	60.74	-1,518.1	-704.4	458.4	401.7	56.69	8.086		
9,600.0	7,471.0	9,403.5	7,247.0	33.6	35.2	60.74	-1,618.1	-704.4	458.4	398.9	59.43	7.712		
9,700.0	7,471.0	9,503.5	7,247.0	35.2	36.7	60.74	-1,718.1	-704.4	458.4	396.1	62.21	7.368		
9,800.0	7,471.0	9,603.5	7,247.0	36.8	38.2	60.74	-1,818.1	-704.4	458.3	393.3	65.01	7.050		
9,900.0	7,471.0	9,703.5	7,247.0	38.4	39.8	60.74	-1,918.1	-704.4	458.3	390.5	67.84	6.757		
10,000.0	7,471.0	9,803.5	7,247.0	40.0	41.4	60.74	-2,018.1	-704.4	458.3	387.7	70.68	6.485		
10,100.0	7,471.0	9,903.5	7,247.0	41.7	43.0	60.74	-2,118.1	-704.4	458.3	384.8	73.54	6.232		
10,200.0	7,471.0	10,003.5	7,247.0	43.3	44.5	60.74	-2,218.1	-704.4	458.3	381.9	76.42	5.997		

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 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1B-10H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,300.0	7,471.0	10,103.5	7,247.0	45.0	46.2	60.74	-2,318.1	-704.4	458.3	379.0	79.31	5.779		
10,400.0	7,471.0	10,203.5	7,247.0	46.6	47.8	60.74	-2,418.1	-704.4	458.3	376.1	82.22	5.574		
10,500.0	7,471.0	10,303.5	7,247.0	48.3	49.4	60.74	-2,518.1	-704.4	458.3	373.2	85.14	5.383		
10,600.0	7,471.0	10,403.5	7,247.0	50.0	51.0	60.74	-2,618.1	-704.4	458.3	370.2	88.06	5.204		
10,700.0	7,471.0	10,503.5	7,247.0	51.7	52.7	60.74	-2,718.1	-704.4	458.3	367.3	91.00	5.036		
10,800.0	7,471.0	10,603.5	7,247.0	53.3	54.3	60.74	-2,818.1	-704.4	458.3	364.4	93.94	4.879		
10,900.0	7,471.0	10,703.5	7,247.0	55.0	56.0	60.74	-2,918.1	-704.4	458.3	361.4	96.89	4.730		
11,000.0	7,471.0	10,803.5	7,247.0	56.7	57.7	60.74	-3,018.1	-704.4	458.3	358.4	99.85	4.590		
11,100.0	7,471.0	10,903.5	7,247.0	58.4	59.3	60.74	-3,118.1	-704.4	458.3	355.5	102.82	4.457		
11,200.0	7,471.0	11,003.5	7,247.0	60.1	61.0	60.74	-3,218.1	-704.4	458.3	352.5	105.79	4.332		
11,300.0	7,471.0	11,103.5	7,247.0	61.8	62.7	60.74	-3,318.1	-704.4	458.3	349.5	108.76	4.214		
11,400.0	7,471.0	11,203.5	7,247.0	63.5	64.3	60.74	-3,418.1	-704.5	458.3	346.5	111.74	4.101		
11,500.0	7,471.0	11,303.5	7,247.0	65.2	66.0	60.74	-3,518.1	-704.5	458.3	343.5	114.73	3.994		
11,600.0	7,471.0	11,403.5	7,247.0	66.9	67.7	60.74	-3,618.1	-704.5	458.3	340.5	117.72	3.893		
11,700.0	7,471.0	11,503.5	7,247.0	68.6	69.4	60.74	-3,718.1	-704.5	458.3	337.5	120.71	3.796		
11,800.0	7,471.0	11,603.5	7,247.0	70.4	71.1	60.74	-3,818.1	-704.5	458.3	334.5	123.71	3.704		
11,900.0	7,471.0	11,703.5	7,247.0	72.1	72.8	60.74	-3,918.1	-704.5	458.2	331.5	126.71	3.617		
12,000.0	7,471.0	11,803.5	7,247.0	73.8	74.5	60.74	-4,018.1	-704.5	458.2	328.5	129.71	3.533		
12,043.6	7,471.0	11,847.1	7,247.0	74.5	75.2	60.74	-4,061.7	-704.5	458.2	327.2	131.02	3.497 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1D-10H - 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	90.06	0.0	8.4	8.4					
100.0	100.0	100.0	100.0	0.2	0.2	90.06	0.0	8.4	8.4	8.1	0.30	27.611		
200.0	200.0	200.0	200.0	0.3	0.3	90.06	0.0	8.4	8.4	7.7	0.65	12.846		
300.0	300.0	300.0	300.0	0.5	0.5	90.06	0.0	8.4	8.4	7.4	1.00	8.370		
400.0	400.0	400.0	400.0	0.7	0.7	90.06	0.0	8.4	8.4	7.0	1.35	6.207 CC, ES		
500.0	500.0	500.0	500.0	0.9	0.8	117.83	0.0	8.4	8.8	7.1	1.70	5.150		
600.0	600.0	600.0	600.0	1.0	1.0	126.03	0.9	8.5	10.1	8.1	2.05	4.925		
700.0	699.9	700.0	699.9	1.2	1.2	130.31	3.5	8.8	12.4	10.0	2.41	5.149		
800.0	799.7	800.0	799.8	1.4	1.4	131.67	7.8	9.3	15.5	12.8	2.78	5.594		
900.0	899.4	900.0	899.6	1.6	1.6	131.34	13.8	10.0	19.4	16.3	3.16	6.154		
1,000.0	998.9	999.9	999.3	1.8	1.8	130.18	21.6	11.0	24.2	20.6	3.57	6.771		
1,100.0	1,098.3	1,099.9	1,098.8	2.1	2.0	128.67	31.1	12.1	29.7	25.7	4.00	7.408		
1,200.0	1,197.4	1,199.7	1,198.0	2.3	2.2	127.07	42.4	13.5	36.0	31.5	4.48	8.039		
1,300.0	1,296.3	1,299.6	1,297.0	2.6	2.5	125.51	55.3	15.0	43.2	38.2	4.99	8.646		
1,400.0	1,394.9	1,399.3	1,395.6	2.9	2.8	124.04	69.9	16.8	51.2	45.6	5.55	9.216		
1,500.0	1,493.3	1,499.0	1,493.9	3.3	3.1	122.69	86.2	18.7	60.1	53.9	6.16	9.743		
1,600.0	1,591.2	1,598.6	1,591.9	3.6	3.4	121.46	104.2	20.9	69.8	62.9	6.82	10.223		
1,700.0	1,688.9	1,698.1	1,689.3	4.0	3.8	120.34	123.9	23.3	80.3	72.8	7.54	10.658		
1,800.0	1,786.1	1,797.4	1,786.4	4.5	4.2	119.32	145.2	25.8	91.8	83.4	8.30	11.048		
1,900.0	1,883.1	1,896.7	1,883.1	4.9	4.5	118.53	167.4	28.5	103.6	94.5	9.09	11.397		
2,000.0	1,980.2	1,996.0	1,979.8	5.3	4.9	117.90	189.6	31.2	115.5	105.6	9.89	11.679		
2,100.0	2,077.2	2,095.3	2,076.6	5.8	5.3	117.38	211.7	33.8	127.3	116.7	10.69	11.911		
2,200.0	2,174.2	2,194.6	2,173.3	6.2	5.8	116.96	233.9	36.5	139.2	127.7	11.50	12.104		
2,300.0	2,271.3	2,293.9	2,270.1	6.6	6.2	116.60	256.1	39.1	151.1	138.8	12.32	12.267		
2,400.0	2,368.3	2,393.1	2,366.8	7.1	6.6	116.29	278.3	41.8	163.0	149.9	13.14	12.405		
2,500.0	2,465.3	2,492.4	2,463.6	7.5	7.0	116.03	300.4	44.5	174.9	161.0	13.97	12.525		
2,600.0	2,562.3	2,591.7	2,560.3	8.0	7.4	115.80	322.6	47.1	186.8	172.0	14.79	12.629		
2,700.0	2,659.4	2,691.0	2,657.0	8.4	7.8	115.59	344.8	49.8	198.7	183.1	15.62	12.720		
2,800.0	2,756.4	2,790.3	2,753.8	8.9	8.2	115.41	367.0	52.5	210.6	194.2	16.46	12.800		
2,900.0	2,853.4	2,889.6	2,850.5	9.3	8.6	115.25	389.1	55.1	222.6	205.3	17.29	12.871		
3,000.0	2,950.5	2,988.9	2,947.3	9.8	9.1	115.11	411.3	57.8	234.5	216.3	18.13	12.935		
3,100.0	3,047.5	3,088.1	3,044.0	10.2	9.5	114.98	433.5	60.5	246.4	227.4	18.96	12.993		
3,200.0	3,144.5	3,187.4	3,140.7	10.7	9.9	114.86	455.7	63.1	258.3	238.5	19.80	13.044		
3,300.0	3,241.6	3,286.7	3,237.5	11.1	10.3	114.75	477.8	65.8	270.2	249.6	20.64	13.091		
3,400.0	3,338.6	3,386.0	3,334.2	11.6	10.7	114.65	500.0	68.5	282.1	260.7	21.48	13.134		
3,500.0	3,435.6	3,485.3	3,431.0	12.0	11.2	114.56	522.2	71.1	294.1	271.7	22.32	13.173		
3,600.0	3,532.6	3,584.6	3,527.7	12.5	11.6	114.48	544.4	73.8	306.0	282.8	23.16	13.209		
3,700.0	3,629.7	3,683.9	3,624.5	13.0	12.0	114.42	566.5	76.4	317.9	293.9	24.01	13.241		
3,800.0	3,727.0	3,783.2	3,721.2	13.4	12.4	114.25	588.7	79.1	329.3	304.5	24.84	13.258		
3,900.0	3,824.7	3,882.9	3,818.5	13.8	12.8	113.90	610.6	81.7	340.0	314.3	25.64	13.258		
4,000.0	3,922.8	3,982.9	3,916.4	14.1	13.2	113.57	631.0	84.2	349.9	323.5	26.40	13.253		
4,100.0	4,021.1	4,083.1	4,014.8	14.5	13.6	113.28	649.6	86.4	358.9	331.8	27.10	13.242		
4,200.0	4,119.8	4,183.4	4,113.6	14.8	13.9	113.01	666.6	88.5	367.1	339.3	27.76	13.225		
4,300.0	4,218.8	4,283.8	4,212.8	15.1	14.2	112.78	681.9	90.3	374.4	346.0	28.36	13.202		
4,400.0	4,318.0	4,384.3	4,312.4	15.4	14.5	112.56	695.4	91.9	380.9	351.9	28.91	13.174		
4,500.0	4,417.4	4,484.9	4,412.3	15.6	14.8	112.37	707.3	93.3	386.5	357.1	29.41	13.141		
4,600.0	4,516.9	4,585.6	4,512.5	15.8	15.0	112.19	717.4	94.6	391.2	361.3	29.86	13.101		
4,700.0	4,616.7	4,686.4	4,612.9	16.0	15.2	112.03	725.7	95.6	395.1	364.8	30.26	13.056		
4,800.0	4,716.5	4,787.3	4,713.5	16.2	15.4	111.88	732.3	96.4	398.1	367.5	30.61	13.005		
4,900.0	4,816.4	4,888.2	4,814.3	16.3	15.5	111.75	737.2	96.9	400.2	369.3	30.91	12.947		
5,000.0	4,916.4	4,989.1	4,915.2	16.4	15.7	111.62	740.3	97.3	401.5	370.3	31.16	12.882		
5,100.0	5,016.4	5,090.0	5,016.1	16.5	15.8	89.01	741.6	97.5	401.8	370.5	31.37	12.809		

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 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1D-10H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,200.0	5,116.4	5,190.3	5,116.4	16.6	15.9	89.01	741.6	97.5	401.8	370.3	31.57	12.728		
5,300.0	5,216.4	5,290.3	5,216.4	16.7	16.0	89.01	741.6	97.5	401.8	370.1	31.77	12.648		
5,400.0	5,316.4	5,390.3	5,316.4	16.8	16.1	89.01	741.6	97.5	401.8	369.9	31.98	12.567		
5,500.0	5,416.4	5,490.3	5,416.4	16.9	16.2	89.01	741.6	97.5	401.8	369.7	32.18	12.486		
5,600.0	5,516.4	5,590.3	5,516.4	17.0	16.3	89.01	741.6	97.5	401.8	369.5	32.39	12.406		
5,700.0	5,616.4	5,690.3	5,616.4	17.1	16.4	89.01	741.6	97.5	401.8	369.2	32.60	12.326		
5,800.0	5,716.4	5,790.3	5,716.4	17.2	16.5	89.01	741.6	97.5	401.8	369.0	32.82	12.245		
5,900.0	5,816.4	5,890.3	5,816.4	17.3	16.6	89.01	741.6	97.5	401.8	368.8	33.03	12.165		
6,000.0	5,916.4	5,990.3	5,916.4	17.4	16.7	89.01	741.6	97.5	401.8	368.6	33.25	12.086		
6,100.0	6,016.4	6,090.3	6,016.4	17.5	16.8	89.01	741.6	97.5	401.8	368.4	33.47	12.006		
6,200.0	6,116.4	6,190.3	6,116.4	17.6	16.9	89.01	741.6	97.5	401.8	368.2	33.69	11.927		
6,300.0	6,216.4	6,290.3	6,216.4	17.7	17.0	89.01	741.6	97.5	401.8	367.9	33.92	11.848		
6,400.0	6,316.4	6,390.3	6,316.4	17.8	17.1	89.01	741.6	97.5	401.8	367.7	34.14	11.769		
6,500.0	6,416.4	6,490.3	6,416.4	17.9	17.3	89.01	741.6	97.5	401.8	367.5	34.37	11.691		
6,600.0	6,516.4	6,590.3	6,516.4	18.1	17.4	89.01	741.6	97.5	401.8	367.2	34.60	11.613		
6,700.0	6,616.4	6,690.7	6,616.6	18.2	17.4	89.74	736.5	97.5	401.8	367.1	34.70	11.580		
6,713.9	6,630.2	6,704.4	6,630.2	18.2	17.4	90.00	734.7	97.5	401.8	367.1	34.69	11.582		
6,800.0	6,716.4	6,788.0	6,712.1	18.3	17.2	92.33	718.3	97.5	402.1	367.6	34.51	11.652		
6,900.0	6,816.3	6,879.7	6,799.1	18.3	16.9	-83.77	689.5	97.5	404.4	370.4	34.01	11.889		
7,000.0	6,915.0	6,968.1	6,878.8	18.2	16.6	-79.91	651.4	97.5	408.6	375.5	33.19	12.313		
7,100.0	7,010.6	7,053.9	6,951.1	18.0	16.1	-76.31	605.3	97.5	414.4	382.3	32.14	12.895		
7,200.0	7,101.2	7,137.4	7,015.7	17.6	15.6	-73.04	552.5	97.5	421.2	390.2	30.94	13.611		
7,300.0	7,185.1	7,219.2	7,072.6	17.1	15.2	-70.13	493.8	97.5	428.4	398.7	29.69	14.430		
7,400.0	7,260.6	7,300.0	7,121.9	16.6	14.7	-67.59	429.8	97.5	435.7	407.3	28.45	15.315		
7,500.0	7,326.2	7,378.4	7,162.5	16.0	14.3	-65.49	362.8	97.5	442.6	415.3	27.32	16.200		
7,600.0	7,380.8	7,456.4	7,195.5	15.5	13.9	-63.77	292.2	97.5	448.7	422.4	26.35	17.026		
7,700.0	7,423.1	7,533.6	7,220.3	15.1	13.7	-62.45	219.1	97.5	453.7	428.1	25.63	17.699		
7,800.0	7,452.4	7,610.3	7,237.1	14.9	13.5	-61.53	144.3	97.5	457.4	432.2	25.22	18.139		
7,900.0	7,468.2	7,686.7	7,245.7	14.8	13.5	-61.00	68.5	97.5	459.6	434.4	25.15	18.276		
8,000.0	7,471.0	7,773.2	7,247.0	14.9	13.6	-60.87	-18.1	97.5	460.1	434.6	25.47	18.065		
8,100.0	7,471.0	7,873.2	7,247.0	15.3	14.0	-60.87	-118.1	97.5	460.1	433.9	26.18	17.572		
8,200.0	7,471.0	7,973.2	7,247.0	15.8	14.6	-60.87	-218.1	97.5	460.1	432.9	27.22	16.904		
8,300.0	7,471.0	8,073.2	7,247.0	16.5	15.4	-60.87	-318.1	97.6	460.2	431.6	28.55	16.116		
8,400.0	7,471.0	8,173.2	7,247.0	17.4	16.3	-60.87	-418.1	97.6	460.2	430.0	30.14	15.269		
8,500.0	7,471.0	8,273.2	7,247.0	18.4	17.3	-60.87	-518.1	97.6	460.2	428.2	31.94	14.407		
8,600.0	7,471.0	8,373.2	7,247.0	19.5	18.5	-60.87	-618.1	97.6	460.2	426.3	33.93	13.565		
8,700.0	7,471.0	8,473.2	7,247.0	20.7	19.7	-60.87	-718.1	97.6	460.2	424.1	36.06	12.761		
8,800.0	7,471.0	8,573.2	7,247.0	21.9	21.0	-60.87	-818.1	97.6	460.2	421.9	38.33	12.007		
8,900.0	7,471.0	8,673.2	7,247.0	23.2	22.4	-60.88	-918.1	97.6	460.2	419.5	40.70	11.308		
9,000.0	7,471.0	8,773.2	7,247.0	24.6	23.8	-60.88	-1,018.1	97.6	460.3	417.1	43.16	10.664		
9,100.0	7,471.0	8,873.2	7,247.0	26.0	25.3	-60.88	-1,118.1	97.6	460.3	414.6	45.69	10.073		
9,200.0	7,471.0	8,973.2	7,247.0	27.5	26.8	-60.88	-1,218.1	97.6	460.3	412.0	48.29	9.532		
9,300.0	7,471.0	9,073.2	7,247.0	29.0	28.3	-60.88	-1,318.1	97.6	460.3	409.4	50.94	9.036		
9,400.0	7,471.0	9,173.2	7,247.0	30.5	29.9	-60.88	-1,418.1	97.6	460.3	406.7	53.63	8.583		
9,500.0	7,471.0	9,273.2	7,247.0	32.1	31.4	-60.88	-1,518.1	97.6	460.3	404.0	56.37	8.167		
9,600.0	7,471.0	9,373.2	7,247.0	33.6	33.0	-60.88	-1,618.1	97.7	460.3	401.2	59.13	7.785		
9,700.0	7,471.0	9,473.2	7,247.0	35.2	34.6	-60.88	-1,718.1	97.7	460.4	398.4	61.93	7.434		
9,800.0	7,471.0	9,573.2	7,247.0	36.8	36.3	-60.88	-1,818.1	97.7	460.4	395.6	64.75	7.110		
9,900.0	7,471.0	9,673.2	7,247.0	38.4	37.9	-60.89	-1,918.1	97.7	460.4	392.8	67.59	6.811		
10,000.0	7,471.0	9,773.2	7,247.0	40.0	39.5	-60.89	-2,018.1	97.7	460.4	389.9	70.45	6.535		
10,100.0	7,471.0	9,873.2	7,247.0	41.7	41.2	-60.89	-2,118.1	97.7	460.4	387.1	73.33	6.279		
10,200.0	7,471.0	9,973.2	7,247.0	43.3	42.9	-60.89	-2,218.1	97.7	460.4	384.2	76.22	6.041		

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 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1D-10H - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,300.0	7,471.0	10,073.2	7,247.0	45.0	44.5	-60.89	-2,318.1	97.7	460.4	381.3	79.13	5.819		
10,400.0	7,471.0	10,173.2	7,247.0	46.6	46.2	-60.89	-2,418.1	97.7	460.5	378.4	82.05	5.612		
10,500.0	7,471.0	10,273.2	7,247.0	48.3	47.9	-60.89	-2,518.1	97.7	460.5	375.5	84.98	5.419		
10,600.0	7,471.0	10,373.2	7,247.0	50.0	49.6	-60.89	-2,618.1	97.7	460.5	372.6	87.92	5.238		
10,700.0	7,471.0	10,473.2	7,247.0	51.7	51.3	-60.89	-2,718.1	97.7	460.5	369.6	90.86	5.068		
10,800.0	7,471.0	10,573.2	7,247.0	53.3	52.9	-60.89	-2,818.1	97.7	460.5	366.7	93.82	4.908		
10,900.0	7,471.0	10,673.2	7,247.0	55.0	54.6	-60.90	-2,918.1	97.8	460.5	363.7	96.78	4.758		
11,000.0	7,471.0	10,773.2	7,247.0	56.7	56.3	-60.90	-3,018.1	97.8	460.5	360.8	99.75	4.617		
11,100.0	7,471.0	10,873.2	7,247.0	58.4	58.1	-60.90	-3,118.1	97.8	460.5	357.8	102.73	4.483		
11,200.0	7,471.0	10,973.2	7,247.0	60.1	59.8	-60.90	-3,218.1	97.8	460.6	354.8	105.71	4.357		
11,300.0	7,471.0	11,073.2	7,247.0	61.8	61.5	-60.90	-3,318.1	97.8	460.6	351.9	108.70	4.237		
11,400.0	7,471.0	11,173.2	7,247.0	63.5	63.2	-60.90	-3,418.1	97.8	460.6	348.9	111.69	4.124		
11,500.0	7,471.0	11,273.2	7,247.0	65.2	64.9	-60.90	-3,518.1	97.8	460.6	345.9	114.69	4.016		
11,600.0	7,471.0	11,373.2	7,247.0	66.9	66.6	-60.90	-3,618.1	97.8	460.6	342.9	117.69	3.914		
11,700.0	7,471.0	11,473.2	7,247.0	68.6	68.3	-60.90	-3,718.1	97.8	460.6	339.9	120.69	3.817		
11,800.0	7,471.0	11,573.2	7,247.0	70.4	70.1	-60.90	-3,818.1	97.8	460.6	336.9	123.70	3.724		
11,900.0	7,471.0	11,673.2	7,247.0	72.1	71.8	-60.91	-3,918.1	97.8	460.7	334.0	126.71	3.636		
12,000.0	7,471.0	11,773.2	7,247.0	73.8	73.5	-60.91	-4,018.1	97.8	460.7	331.0	129.72	3.551		
12,043.6	7,471.0	11,816.8	7,247.0	74.5	74.2	-60.91	-4,061.7	97.8	460.7	329.6	131.03	3.516 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1E-10H - 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	90.05	0.0	19.6	19.6					
100.0	100.0	100.0	100.0	0.2	0.2	90.05	0.0	19.6	19.6	19.3	0.30	64.426		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	19.6	19.6	18.9	0.65	29.974		
300.0	300.0	300.0	300.0	0.5	0.5	90.05	0.0	19.6	19.6	18.6	1.00	19.530		
400.0	400.0	400.0	400.0	0.7	0.7	90.05	0.0	19.6	19.6	18.2	1.35	14.483 CC, ES		
500.0	500.0	499.8	499.8	0.9	0.9	112.75	0.7	20.0	20.4	18.7	1.70	11.979		
600.0	600.0	599.6	599.5	1.0	1.0	113.25	2.9	21.4	22.8	20.7	2.05	11.090		
700.0	699.9	699.3	699.1	1.2	1.2	113.88	6.6	23.8	26.8	24.4	2.42	11.088 SF		
800.0	799.7	798.8	798.5	1.4	1.4	114.50	11.7	27.1	32.4	29.7	2.80	11.603		
900.0	899.4	898.3	897.6	1.6	1.6	115.02	18.2	31.3	39.7	36.5	3.20	12.423		
1,000.0	998.9	997.5	996.4	1.8	1.8	115.44	26.2	36.4	48.5	44.9	3.62	13.413		
1,100.0	1,098.3	1,096.5	1,094.8	2.1	2.1	115.75	35.6	42.4	59.0	54.9	4.07	14.487		
1,200.0	1,197.4	1,195.2	1,192.7	2.3	2.3	115.98	46.3	49.3	71.0	66.5	4.56	15.582		
1,300.0	1,296.3	1,293.7	1,290.0	2.6	2.6	116.14	58.5	57.1	84.6	79.6	5.08	16.661		
1,400.0	1,394.9	1,391.7	1,386.8	2.9	2.9	116.25	72.0	65.8	99.8	94.2	5.64	17.697		
1,500.0	1,493.3	1,489.5	1,482.9	3.3	3.2	116.31	86.9	75.4	116.6	110.3	6.24	18.674		
1,600.0	1,591.2	1,586.8	1,578.3	3.6	3.6	116.34	103.0	85.7	134.9	128.0	6.89	19.586		
1,700.0	1,688.9	1,683.6	1,672.9	4.0	4.0	116.35	120.5	96.9	154.7	147.1	7.57	20.430		
1,800.0	1,786.1	1,780.1	1,766.7	4.5	4.4	116.33	139.2	108.9	176.1	167.8	8.30	21.205		
1,900.0	1,883.1	1,877.3	1,861.1	4.9	4.8	116.40	158.9	121.6	198.3	189.3	9.06	21.900		
2,000.0	1,980.2	1,974.7	1,955.7	5.3	5.2	116.45	178.8	134.3	220.6	210.8	9.82	22.465		
2,100.0	2,077.2	2,072.2	2,050.3	5.8	5.6	116.49	198.6	147.1	242.9	232.3	10.59	22.932		
2,200.0	2,174.2	2,169.7	2,144.8	6.2	6.1	116.52	218.5	159.8	265.1	253.8	11.37	23.323		
2,300.0	2,271.3	2,267.2	2,239.4	6.6	6.5	116.55	238.3	172.6	287.4	275.3	12.15	23.655		
2,400.0	2,368.3	2,364.7	2,334.0	7.1	6.9	116.58	258.2	185.3	309.7	296.7	12.94	23.939		
2,500.0	2,465.3	2,462.2	2,428.6	7.5	7.4	116.60	278.0	198.1	332.0	318.2	13.73	24.185		
2,600.0	2,562.3	2,559.7	2,523.2	8.0	7.8	116.62	297.9	210.8	354.2	339.7	14.52	24.400		
2,700.0	2,659.4	2,657.2	2,617.8	8.4	8.3	116.63	317.7	223.5	376.5	361.2	15.31	24.588		
2,800.0	2,756.4	2,754.6	2,712.4	8.9	8.7	116.65	337.5	236.3	398.8	382.7	16.11	24.755		
2,900.0	2,853.4	2,852.1	2,807.0	9.3	9.1	116.66	357.4	249.0	421.1	404.2	16.91	24.904		
3,000.0	2,950.5	2,949.6	2,901.6	9.8	9.6	116.67	377.2	261.8	443.3	425.6	17.71	25.037		
3,100.0	3,047.5	3,047.1	2,996.2	10.2	10.0	116.68	397.1	274.5	465.6	447.1	18.51	25.157		
3,200.0	3,144.5	3,144.6	3,090.8	10.7	10.5	116.69	416.9	287.2	487.9	468.6	19.31	25.265		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1F-10H - 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	90.05	0.0	28.0	28.0					
100.0	100.0	100.0	100.0	0.2	0.2	90.05	0.0	28.0	28.0	27.6	0.30	92.037		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	28.0	28.0	27.3	0.65	42.820		
300.0	300.0	300.0	300.0	0.5	0.5	90.05	0.0	28.0	28.0	26.9	1.00	27.900 CC, ES		
400.0	400.0	399.6	399.6	0.7	0.7	88.92	0.5	28.6	28.6	27.3	1.35	21.184		
500.0	500.0	499.2	499.1	0.9	0.9	109.83	2.2	30.6	31.0	29.3	1.70	18.199		
600.0	600.0	598.6	598.5	1.0	1.0	109.44	5.0	33.8	35.3	33.2	2.06	17.150 SF		
700.0	699.9	697.9	697.6	1.2	1.2	109.93	9.0	38.4	41.5	39.1	2.42	17.154		
800.0	799.7	797.0	796.3	1.4	1.4	110.90	14.0	44.3	49.7	46.9	2.80	17.770		
900.0	899.4	895.7	894.6	1.6	1.7	112.05	20.2	51.4	59.9	56.7	3.20	18.749		
1,000.0	998.9	994.1	992.4	1.8	1.9	113.19	27.4	59.8	72.1	68.5	3.62	19.935		
1,100.0	1,098.3	1,092.1	1,089.6	2.1	2.2	114.25	35.6	69.4	86.3	82.2	4.06	21.227		
1,200.0	1,197.4	1,189.6	1,186.0	2.3	2.5	115.19	44.9	80.2	102.4	97.8	4.54	22.555		
1,300.0	1,296.3	1,286.6	1,281.7	2.6	2.8	116.00	55.2	92.2	120.5	115.4	5.05	23.872		
1,400.0	1,394.9	1,383.0	1,376.6	2.9	3.1	116.68	66.5	105.3	140.5	134.9	5.59	25.149		
1,500.0	1,493.3	1,478.8	1,470.5	3.3	3.4	117.27	78.8	119.6	162.5	156.3	6.16	26.367		
1,600.0	1,591.2	1,573.9	1,563.4	3.6	3.8	117.75	91.9	134.9	186.4	179.6	6.77	27.516		
1,700.0	1,688.9	1,668.3	1,655.3	4.0	4.2	118.16	106.0	151.2	212.2	204.8	7.42	28.591		
1,800.0	1,786.1	1,761.9	1,746.1	4.5	4.6	118.49	120.9	168.6	239.9	231.8	8.11	29.594		
1,900.0	1,883.1	1,854.8	1,835.8	4.9	5.1	118.86	136.7	186.9	269.0	260.2	8.82	30.507		
2,000.0	1,980.2	1,947.2	1,924.6	5.3	5.5	118.94	153.3	206.2	299.1	289.6	9.55	31.333		
2,100.0	2,077.2	2,040.4	2,013.8	5.8	6.0	118.81	170.9	226.7	330.2	319.9	10.29	32.081		
2,200.0	2,174.2	2,135.4	2,104.6	6.2	6.5	118.67	189.0	247.8	361.4	350.3	11.05	32.704		
2,300.0	2,271.3	2,230.4	2,195.5	6.6	7.0	118.55	207.1	268.8	392.6	380.8	11.81	33.233		
2,400.0	2,368.3	2,325.4	2,286.3	7.1	7.5	118.45	225.3	289.9	423.8	411.3	12.58	33.686		
2,500.0	2,465.3	2,420.4	2,377.2	7.5	8.1	118.37	243.4	310.9	455.1	441.7	13.35	34.078		
2,600.0	2,562.3	2,515.4	2,468.0	8.0	8.6	118.29	261.5	332.0	486.3	472.2	14.13	34.419		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 1G-10H - 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	90.05	0.0	39.1	39.1					
100.0	100.0	100.0	100.0	0.2	0.2	90.05	0.0	39.1	39.1	38.8	0.30	128.852		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	39.1	39.1	38.5	0.65	59.947 CC, ES		
300.0	300.0	299.4	299.4	0.5	0.5	89.41	0.4	39.9	39.9	38.9	1.00	39.823		
400.0	400.0	398.8	398.7	0.7	0.7	87.64	1.7	42.1	42.1	40.8	1.35	31.162		
500.0	500.0	498.0	497.9	0.9	0.9	108.56	3.9	45.8	46.3	44.6	1.70	27.202		
600.0	600.0	597.0	596.7	1.0	1.1	108.20	7.0	50.9	52.5	50.4	2.06	25.534		
700.0	699.9	695.8	695.2	1.2	1.3	108.73	11.0	57.5	60.8	58.4	2.42	25.131 SF		
800.0	799.7	794.3	793.2	1.4	1.5	109.77	15.8	65.5	71.2	68.4	2.80	25.466		
900.0	899.4	892.3	890.6	1.6	1.7	111.05	21.4	75.0	83.8	80.6	3.19	26.245		
1,000.0	998.9	989.8	987.3	1.8	2.0	112.38	27.9	85.8	98.5	94.9	3.61	27.287		
1,100.0	1,098.3	1,086.8	1,083.3	2.1	2.3	113.65	35.2	97.9	115.3	111.2	4.05	28.475		
1,200.0	1,197.4	1,183.2	1,178.4	2.3	2.6	114.83	43.2	111.3	134.3	129.8	4.52	29.732		
1,300.0	1,296.3	1,278.9	1,272.6	2.6	2.9	115.88	52.0	126.0	155.4	150.4	5.01	31.003		
1,400.0	1,394.9	1,373.9	1,365.7	2.9	3.3	116.80	61.5	141.9	178.7	173.1	5.54	32.256		
1,500.0	1,493.3	1,468.1	1,457.7	3.3	3.7	117.61	71.8	159.0	204.0	197.9	6.10	33.468		
1,600.0	1,591.2	1,561.4	1,548.6	3.6	4.1	118.30	82.7	177.2	231.5	224.8	6.69	34.626		
1,700.0	1,688.9	1,653.7	1,638.2	4.0	4.5	118.90	94.2	196.5	261.0	253.7	7.31	35.724		
1,800.0	1,786.1	1,745.1	1,726.5	4.5	4.9	119.41	106.4	216.8	292.6	284.6	7.96	36.759		
1,900.0	1,883.1	1,835.7	1,813.6	4.9	5.4	120.01	119.1	238.1	325.8	317.1	8.64	37.706		
2,000.0	1,980.2	1,926.8	1,900.8	5.3	5.9	120.36	132.6	260.6	360.0	350.7	9.33	38.575		
2,100.0	2,077.2	2,020.6	1,990.5	5.8	6.4	120.61	146.7	284.2	394.6	384.6	10.04	39.289		
2,200.0	2,174.2	2,114.4	2,080.2	6.2	6.9	120.83	160.8	307.7	429.2	418.4	10.76	39.889		
2,300.0	2,271.3	2,208.2	2,169.9	6.6	7.4	121.01	174.9	331.2	463.7	452.3	11.48	40.397		
2,400.0	2,368.3	2,302.1	2,259.7	7.1	7.9	121.17	189.0	354.8	498.3	486.1	12.20	40.833		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 4-2-10 (Existing) - Existing - Existing													Offset Site Error: 0.0 ft	
Survey Program: 8276-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	125.99	-284.9	392.2	485.0					
100.0	100.0	84.0	84.0	0.2	0.1	125.99	-284.9	392.2	484.7	484.4	0.30	1,622.936		
200.0	200.0	184.0	184.0	0.3	0.3	125.99	-284.9	392.2	484.7	484.0	0.65	748.309		
300.0	300.0	284.0	284.0	0.5	0.5	125.99	-284.9	392.2	484.7	483.7	1.00	486.257		
400.0	400.0	384.0	384.0	0.7	0.7	125.99	-284.9	392.2	484.7	483.3	1.35	360.139	CC, ES	
500.0	500.0	484.0	484.0	0.9	0.8	148.54	-284.9	392.2	485.4	483.7	1.69	286.404		
600.0	600.0	584.0	584.0	1.0	1.0	148.69	-284.9	392.2	487.7	485.6	2.04	238.531		
700.0	699.9	683.9	683.9	1.2	1.2	148.94	-284.9	392.2	491.4	489.0	2.40	205.163		
800.0	799.7	783.7	783.7	1.4	1.4	149.27	-284.9	392.2	496.6	493.9	2.75	180.746	SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 6-0-10 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 94-Gyro													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	8.1	8.1	0.0	0.0	124.92	-273.2	391.3	477.2					
100.0	100.0	117.8	117.8	0.2	0.1	124.84	-271.6	390.2	475.5	475.3	0.24	1,952.300		
200.0	200.0	211.4	211.3	0.3	0.2	124.61	-269.2	390.1	474.0	473.5	0.50	945.501		
300.0	300.0	307.2	307.1	0.5	0.3	124.18	-266.0	391.8	473.6	472.8	0.76	619.640		
303.3	303.3	310.4	310.3	0.5	0.3	124.16	-265.9	391.9	473.6	472.8	0.77	612.560		
400.0	400.0	406.2	405.9	0.7	0.4	123.43	-261.0	395.4	473.8	472.7	1.04	455.542		
500.0	500.0	513.7	512.9	0.9	0.5	144.69	-251.8	401.0	474.3	472.9	1.36	349.689		
600.0	600.0	629.1	627.0	1.0	0.7	142.95	-236.4	406.8	473.7	472.0	1.70	278.619		
700.0	699.9	751.2	747.1	1.2	0.9	140.89	-214.8	410.1	470.7	468.6	2.08	226.088		
800.0	799.7	870.8	864.1	1.4	1.1	138.79	-189.7	409.5	465.2	462.7	2.48	187.733		
900.0	899.4	990.0	980.0	1.6	1.4	136.90	-162.7	403.2	456.3	453.4	2.88	158.186		
1,000.0	998.9	1,099.8	1,086.4	1.8	1.6	135.34	-137.0	394.3	446.2	442.9	3.29	135.632		
1,100.0	1,098.3	1,215.9	1,198.4	2.1	1.9	133.94	-109.5	381.0	434.4	430.7	3.72	116.912		
1,200.0	1,197.4	1,328.2	1,305.9	2.3	2.1	132.74	-81.6	364.1	420.3	416.1	4.15	101.224		
1,300.0	1,296.3	1,428.9	1,401.9	2.6	2.4	131.85	-56.5	347.2	405.7	401.1	4.59	88.443		
1,400.0	1,394.9	1,532.6	1,500.5	2.9	2.7	131.02	-30.2	329.1	391.5	386.5	5.05	77.485		
1,500.0	1,493.3	1,634.9	1,597.5	3.3	2.9	130.25	-3.5	310.4	377.6	372.0	5.55	68.064		
1,600.0	1,591.2	1,735.4	1,692.3	3.6	3.2	129.44	24.2	291.7	364.0	357.9	6.08	59.915		
1,700.0	1,688.9	1,833.1	1,784.4	4.0	3.5	128.81	51.1	273.6	351.8	345.2	6.61	53.195		
1,800.0	1,786.1	1,930.1	1,876.4	4.5	3.8	128.61	76.2	255.6	341.1	334.0	7.14	47.749		
1,900.0	1,883.1	2,027.1	1,968.9	4.9	4.0	128.68	99.7	238.1	332.0	324.4	7.66	43.326		
2,000.0	1,980.2	2,125.7	2,062.9	5.3	4.3	128.72	123.8	220.6	323.1	314.9	8.19	39.427		
2,100.0	2,077.2	2,221.5	2,154.4	5.8	4.5	128.76	146.9	204.3	315.0	306.3	8.72	36.124		
2,200.0	2,174.2	2,318.9	2,247.8	6.2	4.8	128.88	169.8	188.8	308.2	299.0	9.24	33.339		
2,300.0	2,271.3	2,415.6	2,340.7	6.6	5.0	129.05	192.1	173.7	301.8	292.1	9.76	30.928		
2,400.0	2,368.3	2,515.2	2,436.5	7.1	5.3	129.24	214.9	159.3	296.6	286.4	10.28	28.843		
2,500.0	2,465.3	2,616.3	2,533.6	7.5	5.6	129.28	238.8	144.3	290.8	279.9	10.82	26.866		
2,600.0	2,562.3	2,713.6	2,627.4	8.0	5.8	129.64	260.4	129.5	285.1	273.8	11.31	25.212		
2,700.0	2,659.4	2,812.4	2,722.8	8.4	6.0	130.13	281.5	115.1	280.3	268.5	11.78	23.792		
2,800.0	2,756.4	2,916.2	2,822.7	8.9	6.3	130.41	305.0	100.0	275.1	262.8	12.29	22.380		
2,900.0	2,853.4	3,017.4	2,919.8	9.3	6.6	130.55	328.8	84.3	268.7	255.8	12.82	20.965		
3,000.0	2,950.5	3,119.9	3,017.8	9.8	6.8	130.38	354.5	68.1	261.5	248.1	13.40	19.519		
3,100.0	3,047.5	3,219.4	3,112.6	10.2	7.1	130.07	380.1	52.3	253.9	239.9	13.99	18.146		
3,200.0	3,144.5	3,319.3	3,207.7	10.7	7.4	129.65	406.3	36.3	246.2	231.6	14.62	16.841		
3,300.0	3,241.6	3,416.5	3,300.5	11.1	7.6	129.40	430.8	21.1	239.2	224.0	15.20	15.731		
3,400.0	3,338.6	3,516.0	3,395.9	11.6	7.9	129.49	454.4	5.8	232.8	217.0	15.74	14.789		
3,500.0	3,435.6	3,616.5	3,492.0	12.0	8.2	129.30	479.3	-9.7	226.0	209.7	16.33	13.844		
3,600.0	3,532.6	3,715.3	3,586.8	12.5	8.4	129.40	502.8	-25.1	219.5	202.6	16.85	13.022		
3,700.0	3,629.7	3,814.8	3,682.4	13.0	8.7	129.81	525.2	-40.6	213.3	195.9	17.32	12.313		
3,800.0	3,727.0	3,915.8	3,779.4	13.4	8.9	129.67	548.9	-56.2	206.1	188.2	17.87	11.535		
3,900.0	3,824.7	4,013.5	3,873.1	13.8	9.2	129.23	571.6	-71.8	197.5	179.1	18.46	10.701		
4,000.0	3,922.8	4,110.7	3,966.7	14.1	9.4	128.34	593.9	-85.6	189.6	170.5	19.11	9.920		
4,100.0	4,021.1	4,207.1	4,060.2	14.5	9.6	127.85	613.1	-99.1	181.7	162.0	19.64	9.248		
4,200.0	4,119.8	4,304.1	4,155.0	14.8	9.8	127.64	629.7	-111.4	174.7	154.6	20.10	8.692		
4,300.0	4,218.8	4,402.4	4,251.2	15.1	10.0	126.94	646.3	-122.9	167.8	147.1	20.64	8.128		
4,400.0	4,318.0	4,500.0	4,346.9	15.4	10.2	126.01	661.8	-133.7	160.8	139.6	21.20	7.585		
4,500.0	4,417.4	4,593.0	4,438.7	15.6	10.3	125.27	674.1	-142.0	155.4	133.8	21.67	7.171		
4,600.0	4,516.9	4,688.5	4,533.6	15.8	10.4	124.92	683.6	-147.3	153.2	131.1	22.03	6.951		
4,700.0	4,616.7	4,786.9	4,631.7	16.0	10.5	125.84	688.3	-152.0	151.8	129.7	22.06	6.879		
4,800.0	4,716.5	4,884.0	4,728.8	16.2	10.6	127.55	689.3	-156.2	150.8	128.8	21.91	6.881		
4,827.5	4,743.9	4,910.3	4,755.0	16.2	10.6	127.74	690.0	-156.8	150.7	128.7	21.92	6.873 CC		
4,900.0	4,816.4	4,979.0	4,823.7	16.3	10.6	128.10	691.3	-157.5	151.3	129.3	21.98	6.883		

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 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 S10-T2N-R66W (lone) - lone 6-0-10 (Existing) - Existing - Existing													Offset Site Error:	0.0 ft
Survey Program: 94-Gyro													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)						
5,000.0	4,916.4	5,076.1	4,920.8	16.4	10.6	128.81	691.0	-156.8	153.5	131.5	21.98	6.982		
5,100.0	5,016.4	5,176.3	5,021.0	16.5	10.6	107.00	689.2	-155.7	155.5	133.5	21.98	7.073		
5,200.0	5,116.4	5,276.0	5,120.6	16.6	10.7	107.52	687.4	-154.5	157.2	135.1	22.01	7.139		
5,300.0	5,216.4	5,377.1	5,221.8	16.7	10.7	107.86	686.1	-153.5	158.5	136.4	22.10	7.170		
5,400.0	5,316.4	5,476.8	5,321.5	16.8	10.7	108.01	685.3	-152.6	159.6	137.3	22.23	7.178		
5,500.0	5,416.4	5,576.3	5,420.9	16.9	10.7	108.25	684.3	-151.5	160.9	138.6	22.34	7.202		
5,600.0	5,516.4	5,676.6	5,521.2	17.0	10.8	108.53	683.0	-150.1	162.6	140.2	22.45	7.244		
5,700.0	5,616.4	5,777.8	5,622.4	17.1	10.8	108.84	681.9	-149.8	163.3	140.7	22.55	7.242		
5,800.0	5,716.4	5,877.0	5,721.6	17.2	10.8	109.32	680.4	-149.4	164.2	141.6	22.61	7.262		
5,900.0	5,816.4	5,976.0	5,820.5	17.3	10.9	109.85	678.5	-148.7	165.5	142.8	22.66	7.302		
6,000.0	5,916.4	6,073.9	5,918.5	17.4	10.9	110.51	675.9	-147.2	167.8	145.1	22.69	7.394		
6,100.0	6,016.4	6,174.0	6,018.4	17.5	10.9	111.36	672.4	-145.2	170.9	148.3	22.68	7.539		
6,200.0	6,116.4	6,277.9	6,122.3	17.6	10.9	111.94	670.1	-143.9	172.9	150.2	22.74	7.605		
6,300.0	6,216.4	6,379.0	6,223.4	17.7	11.0	111.94	670.0	-143.8	173.0	150.1	22.93	7.546		
6,400.0	6,316.4	6,479.3	6,323.7	17.8	11.0	111.86	670.3	-143.8	172.9	149.8	23.14	7.475		
6,500.0	6,416.4	6,579.5	6,423.9	17.9	11.1	111.83	670.4	-144.0	172.7	149.4	23.33	7.401		
6,600.0	6,516.4	6,680.0	6,524.4	18.1	11.1	111.87	670.5	-144.5	172.2	148.7	23.52	7.324		
6,700.0	6,616.4	6,779.7	6,624.1	18.2	11.1	112.18	669.8	-145.2	171.8	148.1	23.64	7.267		
6,800.0	6,716.4	6,880.6	6,725.0	18.3	11.2	112.50	669.2	-146.3	171.0	147.3	23.77	7.196		
6,900.0	6,816.3	6,980.4	6,824.8	18.3	11.2	-68.16	668.8	-147.4	169.1	145.1	24.04	7.036		
7,000.0	6,915.0	7,079.3	6,923.6	18.2	11.3	-73.36	668.4	-148.6	163.0	138.0	25.05	6.508		
7,100.0	7,010.6	7,174.8	7,019.1	18.0	11.3	-83.50	668.0	-149.7	155.9	129.3	26.60	5.860		
7,157.1	7,063.1	7,227.1	7,071.5	17.7	11.4	-91.20	667.8	-150.2	154.2	126.8	27.42	5.624 ES		
7,200.0	7,101.2	7,265.2	7,109.6	17.6	11.4	-97.53	667.8	-150.5	155.5	127.6	27.84	5.583 SF		
7,300.0	7,185.1	7,349.0	7,193.3	17.1	11.4	-112.10	667.8	-151.2	171.3	143.5	27.75	6.174		
7,400.0	7,260.6	7,424.3	7,268.7	16.6	11.5	-123.68	667.9	-151.9	208.6	182.1	26.44	7.889		
7,500.0	7,326.2	7,490.0	7,334.4	16.0	11.5	-131.03	668.0	-152.4	265.5	240.7	24.78	10.714		
7,600.0	7,380.8	7,544.5	7,388.8	15.5	11.5	-134.21	667.9	-152.8	337.4	314.0	23.39	14.426		
7,700.0	7,423.1	7,586.3	7,430.7	15.1	11.6	-133.07	667.9	-153.0	420.1	397.5	22.59	18.596		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well lone 1C-10H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5012.0ft (Original Well Elev)
Reference Site:	S10-T2N-R66W (lone)	MD Reference:	WELL @ 5012.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	lone 1C-10H	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 @ 5012.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: lone 1C-10H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.48°

