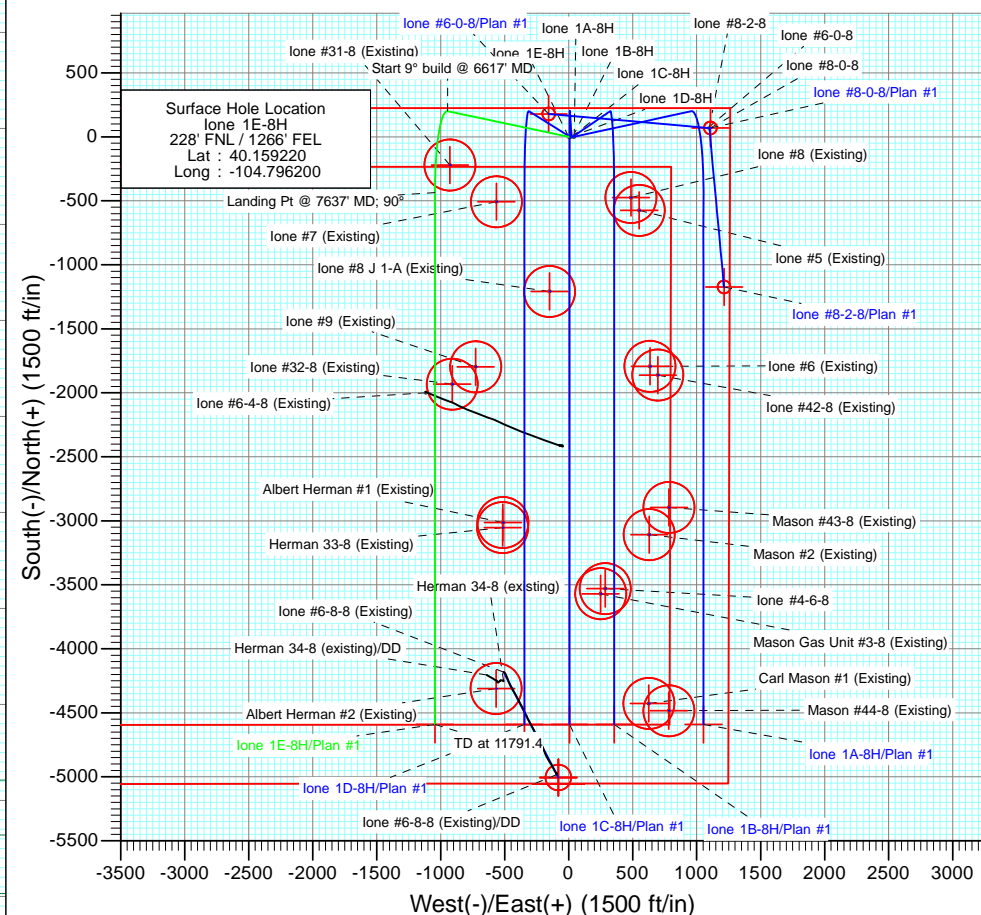


SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	495.9	8.88	281.96	494.7	4.7	-22.4	3.00	281.96	-4.7	
4	6617.0	8.88	281.96	6542.6	200.4	-946.3	0.00	0.00	-200.4	
5	7637.4	90.00	180.00	7192.0	-435.9	-1045.5	9.00	-101.82	435.9	
6	11791.4	90.00	180.00	7192.0	-4589.9	-1045.5	0.00	0.00	4589.9	Ione 1E-8H PBHL



Azimuths to True North  
Magnetic North: 8.69°  
  
Magnetic Field  
Strength: 52922.7snT  
Dip Angle: 66.83°  
Date: 6/6/2012  
Model: IGRF200510

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4394.0	4442.4	Sussex
4680.0	4731.9	Sussex Marker
4985.0	5040.6	Shannon
7044.0	7191.7	Sharon Springs
7120.0	7329.9	Niobrara
7165.0	7450.2	B Chalk

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
User	No Target (Freehand)	Slot	Slot	0.0	0.0	0.0
Ione 1E-8H PBHL		TVD 7192.0	+N/-S -4589.9	+E/-W -1045.5	Latitude 40.146620	Longitude -104.799940

## Planning Report

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

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

Site		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 1E-8H					
Well Position	+N/-S	0.0 ft	Northing:	1,301,630.23 ft	Latitude:	40.159220
	+E/-W	0.0 ft	Easting:	3,196,716.09 ft	Longitude:	-104.796200
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,904.0 ft

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

<b>Design</b>	Plan #1				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	180.00	

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
495.9	8.88	281.96	494.7	4.7	-22.4	3.00	3.00	0.00	281.96	
6,617.0	8.88	281.96	6,542.6	200.4	-946.3	0.00	0.00	0.00	0.00	
7,637.4	90.00	180.00	7,192.0	-435.9	-1,045.5	9.00	7.95	-9.99	-101.82	
11,791.4	90.00	180.00	7,192.0	-4,589.9	-1,045.5	0.00	0.00	0.00	0.00	lone 1E-8H PBHL

# Planning Report

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

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	3.00	281.96	300.0	0.5	-2.6	-0.5	3.00	3.00	
400.0	6.00	281.96	399.6	2.2	-10.2	-2.2	3.00	3.00	
495.9	8.88	281.96	494.7	4.7	-22.4	-4.7	3.00	3.00	EOB; Inc=8.88°
500.0	8.88	281.96	498.8	4.9	-23.0	-4.9	0.00	0.00	
600.0	8.88	281.96	597.6	8.1	-38.1	-8.1	0.00	0.00	
700.0	8.88	281.96	696.4	11.3	-53.2	-11.3	0.00	0.00	
800.0	8.88	281.96	795.2	14.5	-68.3	-14.5	0.00	0.00	
900.0	8.88	281.96	894.0	17.7	-83.4	-17.7	0.00	0.00	
1,000.0	8.88	281.96	992.8	20.9	-98.5	-20.9	0.00	0.00	
1,100.0	8.88	281.96	1,091.6	24.1	-113.6	-24.1	0.00	0.00	
1,200.0	8.88	281.96	1,190.4	27.2	-128.7	-27.2	0.00	0.00	
1,300.0	8.88	281.96	1,289.2	30.4	-143.8	-30.4	0.00	0.00	
1,400.0	8.88	281.96	1,388.0	33.6	-158.8	-33.6	0.00	0.00	
1,500.0	8.88	281.96	1,486.8	36.8	-173.9	-36.8	0.00	0.00	
1,600.0	8.88	281.96	1,585.6	40.0	-189.0	-40.0	0.00	0.00	
1,700.0	8.88	281.96	1,684.4	43.2	-204.1	-43.2	0.00	0.00	
1,800.0	8.88	281.96	1,783.2	46.4	-219.2	-46.4	0.00	0.00	
1,900.0	8.88	281.96	1,882.0	49.6	-234.3	-49.6	0.00	0.00	
2,000.0	8.88	281.96	1,980.8	52.8	-249.4	-52.8	0.00	0.00	
2,100.0	8.88	281.96	2,079.6	56.0	-264.5	-56.0	0.00	0.00	
2,200.0	8.88	281.96	2,178.4	59.2	-279.6	-59.2	0.00	0.00	
2,300.0	8.88	281.96	2,277.2	62.4	-294.7	-62.4	0.00	0.00	
2,400.0	8.88	281.96	2,376.0	65.6	-309.8	-65.6	0.00	0.00	
2,500.0	8.88	281.96	2,474.8	68.8	-324.9	-68.8	0.00	0.00	
2,600.0	8.88	281.96	2,573.6	72.0	-340.0	-72.0	0.00	0.00	
2,700.0	8.88	281.96	2,672.4	75.2	-355.1	-75.2	0.00	0.00	
2,800.0	8.88	281.96	2,771.2	78.4	-370.2	-78.4	0.00	0.00	
2,900.0	8.88	281.96	2,870.0	81.6	-385.3	-81.6	0.00	0.00	
3,000.0	8.88	281.96	2,968.8	84.8	-400.4	-84.8	0.00	0.00	
3,100.0	8.88	281.96	3,067.6	88.0	-415.4	-88.0	0.00	0.00	
3,200.0	8.88	281.96	3,166.4	91.2	-430.5	-91.2	0.00	0.00	
3,300.0	8.88	281.96	3,265.2	94.4	-445.6	-94.4	0.00	0.00	
3,400.0	8.88	281.96	3,364.0	97.6	-460.7	-97.6	0.00	0.00	
3,500.0	8.88	281.96	3,462.8	100.8	-475.8	-100.8	0.00	0.00	
3,600.0	8.88	281.96	3,561.6	104.0	-490.9	-104.0	0.00	0.00	
3,700.0	8.88	281.96	3,660.5	107.2	-506.0	-107.2	0.00	0.00	
3,800.0	8.88	281.96	3,759.3	110.4	-521.1	-110.4	0.00	0.00	
3,900.0	8.88	281.96	3,858.1	113.6	-536.2	-113.6	0.00	0.00	
4,000.0	8.88	281.96	3,956.9	116.8	-551.3	-116.8	0.00	0.00	
4,100.0	8.88	281.96	4,055.7	120.0	-566.4	-120.0	0.00	0.00	
4,200.0	8.88	281.96	4,154.5	123.1	-581.5	-123.1	0.00	0.00	
4,300.0	8.88	281.96	4,253.3	126.3	-596.6	-126.3	0.00	0.00	
4,400.0	8.88	281.96	4,352.1	129.5	-611.7	-129.5	0.00	0.00	
4,442.4	8.88	281.96	4,394.0	130.9	-618.1	-130.9	0.00	0.00	Sussex
4,500.0	8.88	281.96	4,450.9	132.7	-626.8	-132.7	0.00	0.00	
4,600.0	8.88	281.96	4,549.7	135.9	-641.9	-135.9	0.00	0.00	
4,700.0	8.88	281.96	4,648.5	139.1	-656.9	-139.1	0.00	0.00	
4,731.9	8.88	281.96	4,680.0	140.2	-661.8	-140.2	0.00	0.00	Sussex Marker
4,800.0	8.88	281.96	4,747.3	142.3	-672.0	-142.3	0.00	0.00	

# Planning Report

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

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,900.0	8.88	281.96	4,846.1	145.5	-687.1	-145.5	0.00	0.00	
5,000.0	8.88	281.96	4,944.9	148.7	-702.2	-148.7	0.00	0.00	
5,040.6	8.88	281.96	4,985.0	150.0	-708.4	-150.0	0.00	0.00	Shannon
5,100.0	8.88	281.96	5,043.7	151.9	-717.3	-151.9	0.00	0.00	
5,200.0	8.88	281.96	5,142.5	155.1	-732.4	-155.1	0.00	0.00	
5,300.0	8.88	281.96	5,241.3	158.3	-747.5	-158.3	0.00	0.00	
5,400.0	8.88	281.96	5,340.1	161.5	-762.6	-161.5	0.00	0.00	
5,500.0	8.88	281.96	5,438.9	164.7	-777.7	-164.7	0.00	0.00	
5,600.0	8.88	281.96	5,537.7	167.9	-792.8	-167.9	0.00	0.00	
5,700.0	8.88	281.96	5,636.5	171.1	-807.9	-171.1	0.00	0.00	
5,800.0	8.88	281.96	5,735.3	174.3	-823.0	-174.3	0.00	0.00	
5,900.0	8.88	281.96	5,834.1	177.5	-838.1	-177.5	0.00	0.00	
6,000.0	8.88	281.96	5,932.9	180.7	-853.2	-180.7	0.00	0.00	
6,100.0	8.88	281.96	6,031.7	183.9	-868.3	-183.9	0.00	0.00	
6,200.0	8.88	281.96	6,130.5	187.1	-883.4	-187.1	0.00	0.00	
6,300.0	8.88	281.96	6,229.3	190.3	-898.5	-190.3	0.00	0.00	
6,400.0	8.88	281.96	6,328.1	193.5	-913.5	-193.5	0.00	0.00	
6,500.0	8.88	281.96	6,426.9	196.7	-928.6	-196.7	0.00	0.00	
6,600.0	8.88	281.96	6,525.7	199.9	-943.7	-199.9	0.00	0.00	
6,617.0	8.88	281.96	6,542.6	200.4	-946.3	-200.4	0.00	0.00	Start 9° build @ 6617" MD
6,700.0	10.34	236.84	6,624.5	197.7	-958.8	-197.7	9.00	1.77	
6,800.0	16.97	210.04	6,721.7	180.1	-973.7	-180.1	9.00	6.63	
6,900.0	25.09	199.04	6,815.0	147.3	-987.9	-147.3	9.00	8.12	
7,000.0	33.65	193.27	6,902.1	100.2	-1,001.2	-100.2	9.00	8.55	
7,100.0	42.37	189.64	6,980.8	39.9	-1,013.3	-39.9	9.00	8.72	
7,191.7	50.44	187.25	7,044.0	-25.7	-1,022.9	25.7	9.00	8.80	Sharon Springs
7,200.0	51.17	187.06	7,049.2	-32.1	-1,023.7	32.1	9.00	8.83	
7,300.0	60.02	185.06	7,105.7	-114.1	-1,032.3	114.1	9.00	8.85	
7,329.9	62.67	184.53	7,120.0	-140.2	-1,034.5	140.2	9.00	8.87	Niobrara
7,400.0	68.89	183.38	7,148.7	-203.9	-1,038.9	203.9	9.00	8.88	
7,450.2	73.33	182.62	7,165.0	-251.4	-1,041.4	251.4	8.96	8.84	B Chalk
7,500.0	77.78	181.90	7,177.4	-299.5	-1,043.3	299.5	9.04	8.93	
7,600.0	86.67	180.51	7,190.9	-398.5	-1,045.4	398.5	9.00	8.89	
7,637.4	90.00	180.00	7,192.0	-435.9	-1,045.5	435.9	9.00	8.90	Landing Pt @ 7637" MD; 90°
7,700.0	90.00	180.00	7,192.0	-498.5	-1,045.5	498.5	0.00	0.00	
7,800.0	90.00	180.00	7,192.0	-598.5	-1,045.5	598.5	0.00	0.00	
7,900.0	90.00	180.00	7,192.0	-698.5	-1,045.5	698.5	0.00	0.00	
8,000.0	90.00	180.00	7,192.0	-798.5	-1,045.5	798.5	0.00	0.00	
8,100.0	90.00	180.00	7,192.0	-898.5	-1,045.5	898.5	0.00	0.00	
8,200.0	90.00	180.00	7,192.0	-998.5	-1,045.5	998.5	0.00	0.00	
8,300.0	90.00	180.00	7,192.0	-1,098.5	-1,045.5	1,098.5	0.00	0.00	
8,400.0	90.00	180.00	7,192.0	-1,198.5	-1,045.5	1,198.5	0.00	0.00	
8,500.0	90.00	180.00	7,192.0	-1,298.5	-1,045.5	1,298.5	0.00	0.00	
8,600.0	90.00	180.00	7,192.0	-1,398.5	-1,045.5	1,398.5	0.00	0.00	
8,700.0	90.00	180.00	7,192.0	-1,498.5	-1,045.5	1,498.5	0.00	0.00	
8,800.0	90.00	180.00	7,192.0	-1,598.5	-1,045.5	1,598.5	0.00	0.00	
8,900.0	90.00	180.00	7,192.0	-1,698.5	-1,045.5	1,698.5	0.00	0.00	
9,000.0	90.00	180.00	7,192.0	-1,798.5	-1,045.5	1,798.5	0.00	0.00	
9,100.0	90.00	180.00	7,192.0	-1,898.5	-1,045.5	1,898.5	0.00	0.00	
9,200.0	90.00	180.00	7,192.0	-1,998.5	-1,045.5	1,998.5	0.00	0.00	
9,300.0	90.00	180.00	7,192.0	-2,098.5	-1,045.5	2,098.5	0.00	0.00	
9,400.0	90.00	180.00	7,192.0	-2,198.5	-1,045.5	2,198.5	0.00	0.00	

## Planning Report

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

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,500.0	90.00	180.00	7,192.0	-2,298.5	-1,045.5	2,298.5	0.00	0.00	
9,600.0	90.00	180.00	7,192.0	-2,398.5	-1,045.5	2,398.5	0.00	0.00	
9,700.0	90.00	180.00	7,192.0	-2,498.5	-1,045.5	2,498.5	0.00	0.00	
9,800.0	90.00	180.00	7,192.0	-2,598.5	-1,045.5	2,598.5	0.00	0.00	
9,900.0	90.00	180.00	7,192.0	-2,698.5	-1,045.5	2,698.5	0.00	0.00	
10,000.0	90.00	180.00	7,192.0	-2,798.5	-1,045.5	2,798.5	0.00	0.00	
10,100.0	90.00	180.00	7,192.0	-2,898.5	-1,045.5	2,898.5	0.00	0.00	
10,200.0	90.00	180.00	7,192.0	-2,998.5	-1,045.5	2,998.5	0.00	0.00	
10,300.0	90.00	180.00	7,192.0	-3,098.5	-1,045.5	3,098.5	0.00	0.00	
10,400.0	90.00	180.00	7,192.0	-3,198.5	-1,045.5	3,198.5	0.00	0.00	
10,500.0	90.00	180.00	7,192.0	-3,298.5	-1,045.5	3,298.5	0.00	0.00	
10,600.0	90.00	180.00	7,192.0	-3,398.5	-1,045.5	3,398.5	0.00	0.00	
10,700.0	90.00	180.00	7,192.0	-3,498.5	-1,045.5	3,498.5	0.00	0.00	
10,800.0	90.00	180.00	7,192.0	-3,598.5	-1,045.5	3,598.5	0.00	0.00	
10,900.0	90.00	180.00	7,192.0	-3,698.5	-1,045.5	3,698.5	0.00	0.00	
11,000.0	90.00	180.00	7,192.0	-3,798.5	-1,045.5	3,798.5	0.00	0.00	
11,100.0	90.00	180.00	7,192.0	-3,898.5	-1,045.5	3,898.5	0.00	0.00	
11,200.0	90.00	180.00	7,192.0	-3,998.5	-1,045.5	3,998.5	0.00	0.00	
11,300.0	90.00	180.00	7,192.0	-4,098.5	-1,045.5	4,098.5	0.00	0.00	
11,400.0	90.00	180.00	7,192.0	-4,198.5	-1,045.5	4,198.5	0.00	0.00	
11,500.0	90.00	180.00	7,192.0	-4,298.5	-1,045.5	4,298.5	0.00	0.00	
11,600.0	90.00	180.00	7,192.0	-4,398.5	-1,045.5	4,398.5	0.00	0.00	
11,700.0	90.00	180.00	7,192.0	-4,498.5	-1,045.5	4,498.5	0.00	0.00	
11,791.4	90.00	180.00	7,192.0	-4,589.9	-1,045.5	4,589.9	0.00	0.00	TD at 11791.4 - lone 1E-8H PBHL

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
lone 1E-8H PBHL	0.00	0.00	7,192.0	-4,589.9	-1,045.5	1,297,032.20	3,195,707.02	40.146620	-104.799940
- plan hits target center									
- Point									

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,442.4	4,394.0	Sussex			
4,731.9	4,680.0	Sussex Marker			
5,040.6	4,985.0	Shannon			
7,191.7	7,044.0	Sharon Springs			
7,329.9	7,120.0	Niobrara			
7,450.2	7,165.0	B Chalk			
3,918.0	7,366.0	Ft. Hayes			
3,918.0	7,389.0	Codell			

## Planning Report

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

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200'
495.9	494.7	4.7	-22.4	EOB; Inc=8.88°
6,617.0	6,542.6	200.4	-946.3	Start 9° build @ 6617' MD
7,637.4	7,192.0	-435.9	-1,045.5	Landing Pt @ 7637' MD; 90°
11,791.4	7,192.0	-4,589.9	-1,045.5	TD at 11791.4

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

**DJ Wattenberg**

**S8-T2N-R66W (lone)**

**lone 1E-8H**

**Hz**

**Plan #1**

## **Anticollision Report**

**12 June, 2012**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well lone 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (lone)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	lone 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

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

<b>Survey Tool Program</b>	<b>Date</b>	6/12/2012		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	11,791.4	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
<b>Offset Well - Wellbore - Design</b>						
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						Out of range
Herman 34-8 (existing) - DD - DD	11,420.5	7,183.1	430.3	347.5	5.194	CC, ES, SF
lone #31-8 (Existing) - Existing - Existing	7,410.9	7,119.6	111.4	85.2	4.240	CC, ES, SF
lone #32-8 (Existing) - Existing - Existing	9,134.0	7,141.0	135.7	85.6	2.707	CC, ES, SF
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	4,163.9	4,386.6	459.7	442.8	27.203	CC, ES
lone #6-0-8 - DD - Plan #1	4,400.0	4,590.2	467.9	450.4	26.697	SF
lone #6-4-8 (Existing) - Existing - Existing						Out of range
lone #6-8-8 (Existing) - DD - DD						Out of range
lone #6-8-8 (Existing) - DD - Plan #1						Out of range
lone #7 (Existing) - Existing - Existing						Out of range
lone #8 (Existing) - Existing - Existing						Out of range
lone #8 J 1-A (Existing) - Existing - Existing						Out of range
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	41.9	41.3	64.228	CC, ES
lone 1A-8H - Hz - Plan #1	400.0	393.8	62.1	60.7	46.304	SF
lone 1B-8H - Hz - Plan #1	200.0	200.0	30.7	30.1	47.100	CC, ES
lone 1B-8H - Hz - Plan #1	400.0	397.9	43.1	41.7	31.972	SF
lone 1C-8H - Hz - Plan #1	200.0	200.0	22.4	21.7	34.255	CC, ES
lone 1C-8H - Hz - Plan #1	400.0	399.6	32.7	31.3	24.240	SF
lone 1D-8H - Hz - Plan #1	200.0	200.0	11.2	10.5	17.127	CC, ES
lone 1D-8H - Hz - Plan #1	300.0	300.0	13.8	12.7	13.735	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

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well lone 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (lone)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	lone 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S8-T2N-R66W (lone) - Herman 34-8 (existing) - DD - DD												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 100-Gyro												<b>Offset Well Error:</b>	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)			
11,200.0	7,192.0	7,190.0	7,188.1	75.1	6.3	-93.88	-4,218.7	-616.1	483.5	404.5	78.98	6.121	
11,300.0	7,192.0	7,186.9	7,185.0	76.8	6.3	-93.46	-4,218.8	-616.0	446.9	366.1	80.74	5.535	
11,400.0	7,192.0	7,183.8	7,181.9	78.5	6.3	-93.04	-4,218.9	-615.8	430.8	348.3	82.49	5.223	
11,420.5	7,192.0	7,183.1	7,181.2	78.8	6.3	-92.96	-4,219.0	-615.8	430.3	347.5	82.85	5.194	CC, ES, SF
11,500.0	7,192.0	7,180.6	7,178.7	80.2	6.3	-92.63	-4,219.0	-615.6	437.6	353.4	84.24	5.195	
11,600.0	7,192.0	7,177.5	7,175.6	81.9	6.3	-92.22	-4,219.1	-615.5	466.2	380.3	85.99	5.422	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well lone 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (lone)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	lone 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S8-T2N-R66W (lone) - lone #31-8 (Existing) - Existing - Existing												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		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		
4,100.0	4,055.7	4,022.7	4,022.7	12.6	7.0	-55.52	-220.3	-928.2	496.7	478.6	18.13	27.401	
4,200.0	4,154.5	4,121.5	4,121.5	12.9	7.2	-57.00	-220.3	-928.2	488.1	469.4	18.70	26.097	
4,300.0	4,253.3	4,220.3	4,220.3	13.2	7.4	-58.54	-220.3	-928.2	479.8	460.5	19.28	24.880	
4,400.0	4,352.1	4,319.1	4,319.1	13.5	7.5	-60.12	-220.3	-928.2	471.8	452.0	19.87	23.745	
4,500.0	4,450.9	4,417.9	4,417.9	13.9	7.7	-61.76	-220.3	-928.2	464.3	443.8	20.46	22.689	
4,600.0	4,549.7	4,516.7	4,516.7	14.2	7.9	-63.44	-220.3	-928.2	457.1	436.0	21.06	21.707	
4,700.0	4,648.5	4,615.5	4,615.5	14.5	8.1	-65.18	-220.3	-928.2	450.3	428.7	21.66	20.795	
4,800.0	4,747.3	4,714.3	4,714.3	14.8	8.2	-66.97	-220.3	-928.2	444.0	421.8	22.26	19.950	
4,900.0	4,846.1	4,813.1	4,813.1	15.2	8.4	-68.81	-220.3	-928.2	438.2	415.3	22.86	19.169	
5,000.0	4,944.9	4,911.9	4,911.9	15.5	8.6	-70.69	-220.3	-928.2	432.8	409.3	23.46	18.449	
5,100.0	5,043.7	5,010.7	5,010.7	15.8	8.7	-72.62	-220.3	-928.2	427.9	403.8	24.05	17.787	
5,200.0	5,142.5	5,109.5	5,109.5	16.1	8.9	-74.59	-220.3	-928.2	423.5	398.8	24.65	17.181	
5,300.0	5,241.3	5,208.3	5,208.3	16.5	9.1	-76.60	-220.3	-928.2	419.6	394.3	25.23	16.629	
5,400.0	5,340.1	5,307.1	5,307.1	16.8	9.3	-78.64	-220.3	-928.2	416.2	390.4	25.81	16.127	
5,500.0	5,438.9	5,405.9	5,405.9	17.1	9.4	-80.72	-220.3	-928.2	413.4	387.0	26.38	15.674	
5,600.0	5,537.7	5,504.7	5,504.7	17.4	9.6	-82.81	-220.3	-928.2	411.2	384.3	26.93	15.267	
5,700.0	5,636.5	5,603.5	5,603.5	17.7	9.8	-84.93	-220.3	-928.2	409.5	382.0	27.48	14.905	
5,800.0	5,735.3	5,702.3	5,702.3	18.1	10.0	-87.06	-220.3	-928.2	408.4	380.4	28.00	14.585	
5,900.0	5,834.1	5,801.1	5,801.1	18.4	10.1	-89.20	-220.3	-928.2	407.9	379.4	28.51	14.306	
5,937.4	5,871.0	5,838.0	5,838.0	18.5	10.2	-90.00	-220.3	-928.2	407.9	379.2	28.70	14.212	
6,000.0	5,932.9	5,899.9	5,899.9	18.7	10.3	-91.34	-220.3	-928.2	408.0	379.0	29.01	14.065	
6,100.0	6,031.7	5,998.7	5,998.7	19.0	10.5	-93.48	-220.3	-928.2	408.7	379.2	29.48	13.861	
6,200.0	6,130.5	6,097.5	6,097.5	19.4	10.6	-95.61	-220.3	-928.2	409.9	380.0	29.94	13.691	
6,300.0	6,229.3	6,196.3	6,196.3	19.7	10.8	-97.72	-220.3	-928.2	411.7	381.3	30.37	13.554	
6,400.0	6,328.1	6,295.1	6,295.1	20.0	11.0	-99.81	-220.3	-928.2	414.1	383.3	30.79	13.448	
6,500.0	6,426.9	6,393.9	6,393.9	20.3	11.2	-101.87	-220.3	-928.2	417.0	385.8	31.19	13.371	
6,600.0	6,525.7	6,492.7	6,492.7	20.7	11.3	-103.91	-220.3	-928.2	420.5	388.9	31.57	13.321	
6,700.0	6,624.5	6,591.5	6,591.5	21.0	11.5	-61.43	-220.3	-928.2	419.1	387.4	31.75	13.199	
6,800.0	6,721.7	6,688.7	6,688.7	21.2	11.7	-37.74	-220.3	-928.2	403.0	371.7	31.33	12.862	
6,900.0	6,815.0	6,782.0	6,782.0	21.4	11.8	-30.69	-220.3	-928.2	372.5	342.2	30.32	12.286	
7,000.0	6,902.1	6,869.1	6,869.1	21.6	12.0	-30.47	-220.3	-928.2	328.8	300.0	28.81	11.411	
7,100.0	6,980.8	6,947.8	6,947.8	21.8	12.1	-35.44	-220.3	-928.2	273.8	246.7	27.07	10.113	
7,200.0	7,049.2	7,016.2	7,016.2	22.1	12.2	-47.04	-220.3	-928.2	211.1	185.4	25.73	8.204	
7,300.0	7,105.7	7,072.7	7,072.7	22.4	12.3	-66.86	-220.3	-928.2	148.8	123.1	25.68	5.794	
7,400.0	7,148.7	7,115.7	7,115.7	22.8	12.4	-88.18	-220.3	-928.2	111.9	85.7	26.24	4.264	
7,410.9	7,152.6	7,119.6	7,119.6	22.9	12.4	-90.00	-220.3	-928.2	111.4	85.2	26.29	4.240 CC, ES, SF	
7,500.0	7,177.4	7,144.4	7,144.4	23.3	12.5	-98.88	-220.3	-928.2	139.7	113.1	26.61	5.249	
7,600.0	7,190.9	7,157.9	7,157.9	23.9	12.5	-95.14	-220.3	-928.2	213.2	185.6	27.65	7.711	
7,700.0	7,192.0	7,159.0	7,159.0	24.6	12.5	-90.00	-220.3	-928.2	301.9	273.2	28.67	10.529	
7,800.0	7,192.0	7,159.0	7,159.0	25.4	12.5	-90.00	-220.3	-928.2	395.9	366.1	29.85	13.264	
7,900.0	7,192.0	7,159.0	7,159.0	26.3	12.5	-90.00	-220.3	-928.2	492.3	461.2	31.12	15.820	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well lone 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (lone)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	lone 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S8-T2N-R66W (lone) - lone #32-8 (Existing) - Existing - Existing													<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b>	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		
8,700.0	7,192.0	7,141.0	7,141.0	35.7	12.5	-90.00	-1,932.5	-909.8	454.7	411.7	43.03	10.568		
8,800.0	7,192.0	7,141.0	7,141.0	37.1	12.5	-90.00	-1,932.5	-909.8	360.5	315.9	44.64	8.076		
8,900.0	7,192.0	7,141.0	7,141.0	38.5	12.5	-90.00	-1,932.5	-909.8	270.5	224.2	46.26	5.846		
9,000.0	7,192.0	7,141.0	7,141.0	39.9	12.5	-90.00	-1,932.5	-909.8	190.7	142.8	47.90	3.981		
9,100.0	7,192.0	7,141.0	7,141.0	41.4	12.5	-90.00	-1,932.5	-909.8	139.9	90.3	49.55	2.823		
9,134.0	7,192.0	7,141.0	7,141.0	41.9	12.5	-90.00	-1,932.5	-909.8	135.7	85.6	50.11	2.707	CC, ES, SF	
9,200.0	7,192.0	7,141.0	7,141.0	42.9	12.5	-90.00	-1,932.5	-909.8	150.9	99.7	51.21	2.947		
9,300.0	7,192.0	7,141.0	7,141.0	44.4	12.5	-90.00	-1,932.5	-909.8	214.4	161.5	52.87	4.055		
9,400.0	7,192.0	7,141.0	7,141.0	45.9	12.5	-90.00	-1,932.5	-909.8	298.6	244.1	54.55	5.475		
9,500.0	7,192.0	7,141.0	7,141.0	47.5	12.5	-90.00	-1,932.5	-909.8	390.4	334.1	56.23	6.943		
9,600.0	7,192.0	7,141.0	7,141.0	49.0	12.5	-90.00	-1,932.5	-909.8	485.4	427.5	57.91	8.381		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Ione 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (Ione)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Ione 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												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			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)							
3,700.0	3,660.5	3,988.1	3,798.5	11.3	22.1	161.23	168.1	-38.1	491.3	476.0	15.30	32.102					
3,800.0	3,759.3	4,073.3	3,880.4	11.6	22.5	161.17	170.2	-61.1	479.2	463.5	15.69	30.548					
3,900.0	3,858.1	4,159.0	3,963.6	11.9	22.9	161.16	172.0	-81.8	469.9	453.9	16.05	29.283					
4,000.0	3,956.9	4,245.1	4,047.7	12.2	23.2	161.22	173.6	-100.0	463.6	447.2	16.39	28.289					
4,100.0	4,055.7	4,331.4	4,132.5	12.6	23.5	161.35	175.0	-115.8	460.3	443.6	16.71	27.550					
4,163.9	4,118.8	4,386.6	4,187.1	12.8	23.7	161.47	175.7	-124.5	459.7	442.8	16.90	27.203	CC, ES				
4,200.0	4,154.5	4,417.8	4,217.9	12.9	23.8	161.54	176.1	-129.0	459.9	442.9	17.00	27.049					
4,300.0	4,253.3	4,500.0	4,299.5	13.2	23.9	161.79	177.0	-139.2	462.4	445.2	17.27	26.775					
4,400.0	4,352.1	4,590.2	4,389.3	13.5	24.1	162.12	177.8	-147.6	467.9	450.4	17.53	26.697	SF				
4,500.0	4,450.9	4,675.9	4,474.8	13.9	24.2	162.49	178.2	-153.1	476.4	458.6	17.76	26.817					
4,600.0	4,549.7	4,761.1	4,559.9	14.2	24.3	162.89	178.5	-156.0	487.8	469.8	17.99	27.115					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Ione 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (Ione)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Ione 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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 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	89.97	0.0	41.9	41.9					
100.0	100.0	100.0	100.0	0.2	0.2	89.97	0.0	41.9	41.9	41.6	0.30	138.053		
200.0	200.0	200.0	200.0	0.3	0.3	89.97	0.0	41.9	41.9	41.3	0.65	64.228 CC, ES		
300.0	300.0	297.7	297.6	0.5	0.5	167.98	0.6	44.4	47.0	46.0	1.00	47.094		
400.0	399.6	393.8	393.5	0.7	0.7	167.89	2.1	51.5	62.1	60.7	1.34	46.304 SF		
500.0	498.8	487.2	486.1	1.0	1.0	167.79	4.6	63.0	86.9	85.2	1.68	51.748		
600.0	597.6	582.8	580.6	1.3	1.2	167.82	7.7	76.9	116.2	114.2	2.03	57.260		
700.0	696.4	678.4	675.2	1.6	1.5	167.84	10.7	90.8	145.6	143.2	2.38	61.120		
800.0	795.2	774.0	769.7	1.9	1.8	167.86	13.8	104.8	174.9	172.2	2.73	63.970		
900.0	894.0	869.6	864.2	2.3	2.1	167.87	16.8	118.7	204.3	201.2	3.09	66.159		
1,000.0	992.8	965.2	958.8	2.6	2.4	167.87	19.9	132.6	233.6	230.1	3.44	67.892		
1,100.0	1,091.6	1,060.8	1,053.3	2.9	2.7	167.88	22.9	146.6	262.9	259.1	3.79	69.298		
1,200.0	1,190.4	1,156.4	1,147.8	3.2	3.0	167.88	26.0	160.5	292.3	288.1	4.15	70.461		
1,300.0	1,289.2	1,252.0	1,242.4	3.5	3.3	167.89	29.0	174.4	321.6	317.1	4.50	71.439		
1,400.0	1,388.0	1,347.6	1,336.9	3.9	3.6	167.89	32.0	188.3	350.9	346.1	4.86	72.273		
1,500.0	1,486.8	1,443.2	1,431.4	4.2	3.9	167.89	35.1	202.3	380.3	375.1	5.21	72.993		
1,600.0	1,585.6	1,538.8	1,525.9	4.5	4.2	167.90	38.1	216.2	409.6	404.0	5.56	73.620		
1,700.0	1,684.4	1,634.4	1,620.5	4.8	4.5	167.90	41.2	230.1	438.9	433.0	5.92	74.172		
1,800.0	1,783.2	1,730.0	1,715.0	5.1	4.8	167.90	44.2	244.1	468.3	462.0	6.27	74.660		
1,900.0	1,882.0	1,825.6	1,809.5	5.5	5.1	167.90	47.3	258.0	497.6	491.0	6.63	75.096		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Ione 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (Ione)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Ione 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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						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	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	300.0	300.0	0.5	0.5	168.93	0.0	30.7	33.3	32.3	1.00	33.268		
400.0	399.6	397.9	397.8	0.7	0.7	168.91	1.4	32.8	43.1	41.7	1.35	31.972	SF	
500.0	498.8	496.1	495.9	1.0	0.9	168.09	4.6	37.4	60.5	58.8	1.70	35.641		
600.0	597.6	594.2	593.8	1.3	1.1	168.05	7.7	42.1	80.2	78.2	2.05	39.059		
700.0	696.4	692.2	691.7	1.6	1.2	168.02	10.9	46.7	100.0	97.6	2.41	41.441		
800.0	795.2	790.2	789.5	1.9	1.4	168.00	14.1	51.3	119.7	117.0	2.77	43.195		
900.0	894.0	888.2	887.4	2.3	1.6	167.99	17.2	55.9	139.5	136.3	3.13	44.539		
1,000.0	992.8	986.3	985.3	2.6	1.8	167.98	20.4	60.6	159.2	155.7	3.49	45.601		
1,100.0	1,091.6	1,084.3	1,083.1	2.9	2.0	167.97	23.6	65.2	179.0	175.1	3.85	46.461		
1,200.0	1,190.4	1,182.3	1,181.0	3.2	2.2	167.97	26.7	69.8	198.7	194.5	4.21	47.172		
1,300.0	1,289.2	1,280.4	1,278.9	3.5	2.4	167.96	29.9	74.5	218.5	213.9	4.57	47.770		
1,400.0	1,388.0	1,378.4	1,376.8	3.9	2.6	167.96	33.0	79.1	238.2	233.3	4.93	48.279		
1,500.0	1,486.8	1,476.4	1,474.6	4.2	2.8	167.95	36.2	83.7	257.9	252.6	5.29	48.717		
1,600.0	1,585.6	1,574.5	1,572.5	4.5	3.0	167.95	39.4	88.3	277.7	272.0	5.66	49.099		
1,700.0	1,684.4	1,672.5	1,670.4	4.8	3.2	167.95	42.5	93.0	297.4	291.4	6.02	49.435		
1,800.0	1,783.2	1,770.5	1,768.2	5.1	3.4	167.95	45.7	97.6	317.2	310.8	6.38	49.732		
1,900.0	1,882.0	1,868.6	1,866.1	5.5	3.6	167.94	48.9	102.2	336.9	330.2	6.74	49.997		
2,000.0	1,980.8	1,966.6	1,964.0	5.8	3.8	167.94	52.0	106.9	356.7	349.6	7.10	50.235		
2,100.0	2,079.6	2,064.6	2,061.9	6.1	4.0	167.94	55.2	111.5	376.4	369.0	7.46	50.449		
2,200.0	2,178.4	2,162.7	2,159.7	6.4	4.2	167.94	58.4	116.1	396.2	388.3	7.82	50.644		
2,300.0	2,277.2	2,260.7	2,257.6	6.8	4.4	167.94	61.5	120.7	415.9	407.7	8.18	50.821		
2,400.0	2,376.0	2,358.7	2,355.5	7.1	4.6	167.94	64.7	125.4	435.6	427.1	8.54	50.983		
2,500.0	2,474.8	2,456.7	2,453.3	7.4	4.8	167.94	67.8	130.0	455.4	446.5	8.91	51.132		
2,600.0	2,573.6	2,554.8	2,551.2	7.7	5.0	167.93	71.0	134.6	475.1	465.9	9.27	51.270		
2,700.0	2,672.4	2,652.8	2,649.1	8.0	5.2	167.93	74.2	139.3	494.9	485.3	9.63	51.396		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Ione 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (Ione)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Ione 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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							
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	89.91	0.0	22.4	22.4					
100.0	100.0	100.0	100.0	0.2	0.2	89.91	0.0	22.4	22.4	22.1	0.30	73.628		
200.0	200.0	200.0	200.0	0.3	0.3	89.91	0.0	22.4	22.4	21.7	0.65	34.255 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	169.20	0.0	22.4	24.9	23.9	1.00	24.895		
400.0	399.6	399.6	399.6	0.7	0.7	171.74	0.0	22.4	32.7	31.3	1.35	24.240 SF		
500.0	498.8	498.8	498.8	1.0	0.8	174.06	0.0	22.4	45.6	43.9	1.69	26.996		
600.0	597.6	597.6	597.6	1.3	1.0	175.56	0.0	22.4	61.0	58.9	2.04	29.947		
700.0	696.4	696.4	696.4	1.6	1.2	176.46	0.0	22.4	76.4	74.0	2.38	32.054		
800.0	795.2	795.2	795.2	1.9	1.4	177.05	0.0	22.4	91.8	89.1	2.73	33.632		
900.0	894.0	894.0	894.0	2.3	1.5	177.48	0.0	22.4	107.2	104.1	3.08	34.858		
1,000.0	992.8	992.8	992.8	2.6	1.7	177.79	0.0	22.4	122.6	119.2	3.42	35.837		
1,100.0	1,091.6	1,091.6	1,091.6	2.9	1.9	178.04	0.0	22.4	138.0	134.3	3.77	36.637		
1,200.0	1,190.4	1,190.4	1,190.4	3.2	2.1	178.24	0.0	22.4	153.4	149.3	4.11	37.303		
1,300.0	1,289.2	1,289.2	1,289.2	3.5	2.2	178.40	0.0	22.4	168.9	164.4	4.46	37.866		
1,400.0	1,388.0	1,388.0	1,388.0	3.9	2.4	178.53	0.0	22.4	184.3	179.5	4.81	38.349		
1,500.0	1,486.8	1,486.8	1,486.8	4.2	2.6	178.65	0.0	22.4	199.7	194.6	5.15	38.766		
1,600.0	1,585.6	1,585.6	1,585.6	4.5	2.7	178.74	0.0	22.4	215.1	209.6	5.50	39.131		
1,700.0	1,684.4	1,684.4	1,684.4	4.8	2.9	178.83	0.0	22.4	230.6	224.7	5.84	39.453		
1,800.0	1,783.2	1,783.2	1,783.2	5.1	3.1	178.90	0.0	22.4	246.0	239.8	6.19	39.739		
1,900.0	1,882.0	1,882.0	1,882.0	5.5	3.3	178.97	0.0	22.4	261.4	254.9	6.54	39.995		
2,000.0	1,980.8	1,980.8	1,980.8	5.8	3.4	179.02	0.0	22.4	276.8	270.0	6.88	40.225		
2,100.0	2,079.6	2,079.6	2,079.6	6.1	3.6	179.07	0.0	22.4	292.3	285.0	7.23	40.434		
2,200.0	2,178.4	2,178.4	2,178.4	6.4	3.8	179.12	0.0	22.4	307.7	300.1	7.57	40.623		
2,300.0	2,277.2	2,277.2	2,277.2	6.8	4.0	179.16	0.0	22.4	323.1	315.2	7.92	40.795		
2,400.0	2,376.0	2,376.0	2,376.0	7.1	4.1	179.20	0.0	22.4	338.6	330.3	8.27	40.954		
2,500.0	2,474.8	2,474.8	2,474.8	7.4	4.3	179.24	0.0	22.4	354.0	345.4	8.61	41.099		
2,600.0	2,573.6	2,573.6	2,573.6	7.7	4.5	179.27	0.0	22.4	369.4	360.5	8.96	41.233		
2,700.0	2,672.4	2,672.4	2,672.4	8.0	4.6	179.30	0.0	22.4	384.8	375.5	9.31	41.358		
2,800.0	2,771.2	2,771.2	2,771.2	8.4	4.8	179.32	0.0	22.4	400.3	390.6	9.65	41.473		
2,900.0	2,870.0	2,870.0	2,870.0	8.7	5.0	179.35	0.0	22.4	415.7	405.7	10.00	41.580		
3,000.0	2,968.8	2,968.8	2,968.8	9.0	5.2	179.37	0.0	22.4	431.1	420.8	10.34	41.681		
3,100.0	3,067.6	3,067.6	3,067.6	9.3	5.3	179.39	0.0	22.4	446.6	435.9	10.69	41.774		
3,200.0	3,166.4	3,166.4	3,166.4	9.7	5.5	179.41	0.0	22.4	462.0	450.9	11.04	41.862		
3,300.0	3,265.2	3,265.2	3,265.2	10.0	5.7	179.43	0.0	22.4	477.4	466.0	11.38	41.945		
3,400.0	3,364.0	3,364.0	3,364.0	10.3	5.8	179.45	0.0	22.4	492.8	481.1	11.73	42.022		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well lone 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (lone)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	lone 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S8-T2N-R66W (lone) - lone 1D-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	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	36.814		
200.0	200.0	200.0	200.0	0.3	0.3	89.96	0.0	11.2	11.2	10.5	0.65	17.127 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	170.25	0.0	11.2	13.8	12.7	1.00	13.735 SF		
400.0	399.6	400.6	400.5	0.7	0.7	170.32	1.4	8.9	19.2	17.8	1.35	14.209		
500.0	498.8	500.4	500.2	1.0	0.9	168.59	4.6	3.8	26.8	25.1	1.71	15.724		
600.0	597.6	599.9	599.5	1.3	1.1	168.39	7.8	-1.4	36.7	34.7	2.07	17.770		
700.0	696.4	699.4	698.8	1.6	1.3	168.28	11.0	-6.6	46.6	44.2	2.43	19.196		
800.0	795.2	798.9	798.1	1.9	1.5	168.20	14.3	-11.8	56.5	53.7	2.79	20.244		
900.0	894.0	898.4	897.5	2.3	1.7	168.15	17.5	-17.0	66.4	63.3	3.16	21.047		
1,000.0	992.8	998.0	996.8	2.6	1.9	168.11	20.7	-22.2	76.3	72.8	3.52	21.681		
1,100.0	1,091.6	1,097.5	1,096.1	2.9	2.1	168.08	23.9	-27.4	86.3	82.4	3.89	22.195		
1,200.0	1,190.4	1,197.0	1,195.4	3.2	2.3	168.06	27.1	-32.6	96.2	91.9	4.25	22.619		
1,300.0	1,289.2	1,296.5	1,294.7	3.5	2.5	168.04	30.4	-37.8	106.1	101.4	4.62	22.975		
1,400.0	1,388.0	1,396.0	1,394.1	3.9	2.7	168.02	33.6	-43.0	116.0	111.0	4.98	23.278		
1,500.0	1,486.8	1,495.5	1,493.4	4.2	2.9	168.01	36.8	-48.2	125.9	120.5	5.35	23.540		
1,600.0	1,585.6	1,595.0	1,592.7	4.5	3.1	168.00	40.0	-53.4	135.8	130.1	5.71	23.767		
1,700.0	1,684.4	1,694.5	1,692.0	4.8	3.3	167.99	43.3	-58.6	145.7	139.6	6.08	23.967		
1,800.0	1,783.2	1,794.0	1,791.3	5.1	3.5	167.98	46.5	-63.8	155.6	149.2	6.44	24.144		
1,900.0	1,882.0	1,893.5	1,890.7	5.5	3.7	167.97	49.7	-69.0	165.5	158.7	6.81	24.302		
2,000.0	1,980.8	1,993.0	1,990.0	5.8	3.9	167.97	52.9	-74.2	175.4	168.2	7.18	24.443		
2,100.0	2,079.6	2,092.5	2,089.3	6.1	4.1	167.96	56.1	-79.4	185.3	177.8	7.54	24.571		
2,200.0	2,178.4	2,192.0	2,188.6	6.4	4.3	167.95	59.4	-84.6	195.2	187.3	7.91	24.687		
2,300.0	2,277.2	2,291.6	2,287.9	6.8	4.5	167.95	62.6	-89.8	205.1	196.9	8.27	24.792		
2,400.0	2,376.0	2,391.1	2,387.3	7.1	4.7	167.94	65.8	-95.0	215.0	206.4	8.64	24.889		
2,500.0	2,474.8	2,490.6	2,486.6	7.4	4.9	167.94	69.0	-100.2	224.9	215.9	9.01	24.977		
2,600.0	2,573.6	2,590.1	2,585.9	7.7	5.1	167.94	72.3	-105.4	234.9	225.5	9.37	25.059		
2,700.0	2,672.4	2,689.6	2,685.2	8.0	5.3	167.93	75.5	-110.6	244.8	235.0	9.74	25.135		
2,800.0	2,771.2	2,789.1	2,784.5	8.4	5.5	167.93	78.7	-115.8	254.7	244.6	10.10	25.204		
2,900.0	2,870.0	2,888.6	2,883.9	8.7	5.7	167.93	81.9	-121.0	264.6	254.1	10.47	25.269		
3,000.0	2,968.8	2,988.1	2,983.2	9.0	5.9	167.92	85.1	-126.2	274.5	263.6	10.84	25.330		
3,100.0	3,067.6	3,087.6	3,082.5	9.3	6.1	167.92	88.4	-131.4	284.4	273.2	11.20	25.387		
3,200.0	3,166.4	3,187.1	3,181.8	9.7	6.3	167.92	91.6	-136.7	294.3	282.7	11.57	25.440		
3,300.0	3,265.2	3,286.6	3,281.1	10.0	6.5	167.92	94.8	-141.9	304.2	292.3	11.93	25.489		
3,400.0	3,364.0	3,386.1	3,380.5	10.3	6.7	167.92	98.0	-147.1	314.1	301.8	12.30	25.536		
3,500.0	3,462.8	3,485.7	3,479.8	10.6	7.0	167.91	101.3	-152.3	324.0	311.3	12.67	25.580		
3,600.0	3,561.6	3,585.2	3,579.1	11.0	7.2	167.91	104.5	-157.5	333.9	320.9	13.03	25.622		
3,700.0	3,660.5	3,684.7	3,678.4	11.3	7.4	167.91	107.7	-162.7	343.8	330.4	13.40	25.661		
3,800.0	3,759.3	3,784.2	3,777.7	11.6	7.6	167.91	110.9	-167.9	353.7	340.0	13.76	25.698		
3,900.0	3,858.1	3,883.7	3,877.1	11.9	7.8	167.91	114.1	-173.1	363.6	349.5	14.13	25.733		
4,000.0	3,956.9	3,983.2	3,976.4	12.2	8.0	167.91	117.4	-178.3	373.5	359.0	14.50	25.767		
4,100.0	4,055.7	4,082.7	4,075.7	12.6	8.2	167.90	120.6	-183.5	383.5	368.6	14.86	25.799		
4,200.0	4,154.5	4,182.2	4,175.0	12.9	8.4	167.90	123.8	-188.7	393.4	378.1	15.23	25.829		
4,300.0	4,253.3	4,281.7	4,274.3	13.2	8.6	167.90	127.0	-193.9	403.3	387.7	15.60	25.858		
4,400.0	4,352.1	4,381.2	4,373.7	13.5	8.8	167.90	130.3	-199.1	413.2	397.2	15.96	25.885		
4,500.0	4,450.9	4,480.7	4,473.0	13.9	9.0	167.90	133.5	-204.3	423.1	406.7	16.33	25.912		
4,600.0	4,549.7	4,580.2	4,572.3	14.2	9.2	167.90	136.7	-209.5	433.0	416.3	16.69	25.937		
4,700.0	4,648.5	4,679.7	4,671.6	14.5	9.4	167.90	139.9	-214.7	442.9	425.8	17.06	25.961		
4,800.0	4,747.3	4,779.3	4,770.9	14.8	9.6	167.90	143.1	-219.9	452.8	435.4	17.43	25.984		
4,900.0	4,846.1	4,878.8	4,870.3	15.2	9.8	167.90	146.4	-225.1	462.7	444.9	17.79	26.006		
5,000.0	4,944.9	4,978.3	4,969.6	15.5	10.0	167.89	149.6	-230.3	472.6	454.5	18.16	26.027		
5,100.0	5,043.7	5,077.8	5,068.9	15.8	10.2	167.89	152.8	-235.5	482.5	464.0	18.52	26.047		

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

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Ione 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (Ione)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Ione 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S8-T2N-R66W (Ione) - Ione 1D-8H - Hz - Plan #1													<b>Offset Site Error:</b> 0.0 ft
Survey Program: 0-MWD													<b>Offset Well Error:</b> 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	5,142.5	5,177.3	5,168.2	16.1	10.4	167.89	156.0	-240.7	492.4	473.5	18.89	26.067	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well lone 1E-8H
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Reference Site:</b>	S8-T2N-R66W (lone)	<b>MD Reference:</b>	WELL @ 4917.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	lone 1E-8H	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4917.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: lone 1E-8H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.45°

