



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Devore 1A-34H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site:	S34-T3N-R66W (Devore)	North Reference:	True
Well:	Devore 1A-34H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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		S34-T3N-R66W (Devore)			
Site Position:		Northing:	1,307,711.17 ft	Latitude:	40.175660
From:	Lat/Long	Easting:	3,207,971.22 ft	Longitude:	-104.755750
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.48 °

Well	Devore 1A-34H					
Well Position	+N/-S	0.0 ft	Northing:	1,312,301.44 ft	Latitude:	40.188280
	+E/-W	0.0 ft	Easting:	3,207,119.67 ft	Longitude:	-104.758660
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,961.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	3/7/2013	8.61	66.82	52,838

Design	Plan #2			
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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,700.0	15.00	278.00	1,682.9	27.2	-193.3	1.00	1.00	0.00	278.00	
5,050.0	15.00	278.00	4,918.8	147.8	-1,051.9	0.00	0.00	0.00	0.00	
6,550.0	0.00	0.00	6,401.7	175.0	-1,245.3	1.00	-1.00	0.00	180.00	
6,820.1	0.00	0.00	6,671.8	175.0	-1,245.3	0.00	0.00	0.00	0.00	
7,945.1	90.00	179.27	7,388.0	-541.1	-1,236.2	8.00	8.00	0.00	179.27	
12,005.2	90.00	179.27	7,388.0	-4,600.9	-1,184.8	0.00	0.00	0.00	0.00	Devore 1A-34H PBHL

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Site:	S34-T3N-R66W (Devore)	North Reference:	True
Well:	Devore 1A-34H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	1.00	278.00	300.0	0.1	-0.9	-0.1	1.00	1.00	
400.0	2.00	278.00	400.0	0.5	-3.5	-0.5	1.00	1.00	
500.0	3.00	278.00	499.9	1.1	-7.8	-1.1	1.00	1.00	
600.0	4.00	278.00	599.7	1.9	-13.8	-1.9	1.00	1.00	
649.5	4.49	278.00	649.0	2.5	-17.4	-2.5	1.00	1.00	Base of Fox Hills
700.0	5.00	278.00	699.4	3.0	-21.6	-3.0	1.00	1.00	
800.0	6.00	278.00	798.9	4.4	-31.1	-4.4	1.00	1.00	
900.0	7.00	278.00	898.3	5.9	-42.3	-5.9	1.00	1.00	
1,000.0	8.00	278.00	997.4	7.8	-55.2	-7.8	1.00	1.00	
1,100.0	9.00	278.00	1,096.3	9.8	-69.9	-9.8	1.00	1.00	
1,200.0	10.00	278.00	1,194.9	12.1	-86.2	-12.1	1.00	1.00	
1,300.0	11.00	278.00	1,293.3	14.7	-104.2	-14.7	1.00	1.00	
1,400.0	12.00	278.00	1,391.2	17.4	-124.0	-17.4	1.00	1.00	
1,500.0	13.00	278.00	1,488.9	20.4	-145.4	-20.4	1.00	1.00	
1,600.0	14.00	278.00	1,586.1	23.7	-168.5	-23.7	1.00	1.00	
1,700.0	15.00	278.00	1,682.9	27.2	-193.3	-27.2	1.00	1.00	EOB; Inc=15°
1,800.0	15.00	278.00	1,779.5	30.8	-219.0	-30.8	0.00	0.00	
1,900.0	15.00	278.00	1,876.1	34.4	-244.6	-34.4	0.00	0.00	
2,000.0	15.00	278.00	1,972.7	38.0	-270.2	-38.0	0.00	0.00	
2,100.0	15.00	278.00	2,069.3	41.6	-295.9	-41.6	0.00	0.00	
2,200.0	15.00	278.00	2,165.9	45.2	-321.5	-45.2	0.00	0.00	
2,300.0	15.00	278.00	2,262.5	48.8	-347.1	-48.8	0.00	0.00	
2,400.0	15.00	278.00	2,359.1	52.4	-372.7	-52.4	0.00	0.00	
2,500.0	15.00	278.00	2,455.7	56.0	-398.4	-56.0	0.00	0.00	
2,600.0	15.00	278.00	2,552.3	59.6	-424.0	-59.6	0.00	0.00	
2,700.0	15.00	278.00	2,648.8	63.2	-449.6	-63.2	0.00	0.00	
2,800.0	15.00	278.00	2,745.4	66.8	-475.3	-66.8	0.00	0.00	
2,900.0	15.00	278.00	2,842.0	70.4	-500.9	-70.4	0.00	0.00	
3,000.0	15.00	278.00	2,938.6	74.0	-526.5	-74.0	0.00	0.00	
3,100.0	15.00	278.00	3,035.2	77.6	-552.2	-77.6	0.00	0.00	
3,200.0	15.00	278.00	3,131.8	81.2	-577.8	-81.2	0.00	0.00	
3,300.0	15.00	278.00	3,228.4	84.8	-603.4	-84.8	0.00	0.00	
3,400.0	15.00	278.00	3,325.0	88.4	-629.0	-88.4	0.00	0.00	
3,500.0	15.00	278.00	3,421.6	92.0	-654.7	-92.0	0.00	0.00	
3,600.0	15.00	278.00	3,518.2	95.6	-680.3	-95.6	0.00	0.00	
3,700.0	15.00	278.00	3,614.8	99.2	-705.9	-99.2	0.00	0.00	
3,800.0	15.00	278.00	3,711.4	102.8	-731.6	-102.8	0.00	0.00	
3,900.0	15.00	278.00	3,808.0	106.4	-757.2	-106.4	0.00	0.00	
4,000.0	15.00	278.00	3,904.6	110.0	-782.8	-110.0	0.00	0.00	
4,100.0	15.00	278.00	4,001.1	113.6	-808.5	-113.6	0.00	0.00	
4,200.0	15.00	278.00	4,097.7	117.2	-834.1	-117.2	0.00	0.00	
4,300.0	15.00	278.00	4,194.3	120.8	-859.7	-120.8	0.00	0.00	
4,400.0	15.00	278.00	4,290.9	124.4	-885.3	-124.4	0.00	0.00	
4,499.5	15.00	278.00	4,387.0	128.0	-910.8	-128.0	0.00	0.00	Sussex
4,500.0	15.00	278.00	4,387.5	128.0	-911.0	-128.0	0.00	0.00	
4,600.0	15.00	278.00	4,484.1	131.6	-936.6	-131.6	0.00	0.00	
4,700.0	15.00	278.00	4,580.7	135.2	-962.2	-135.2	0.00	0.00	
4,800.0	15.00	278.00	4,677.3	138.8	-987.9	-138.8	0.00	0.00	
4,803.8	15.00	278.00	4,681.0	139.0	-988.8	-139.0	0.00	0.00	Sussex Marker

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Well:	Devore 1A-34H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	15.00	278.00	4,773.9	142.4	-1,013.5	-142.4	0.00	0.00	
5,000.0	15.00	278.00	4,870.5	146.0	-1,039.1	-146.0	0.00	0.00	
5,050.0	15.00	278.00	4,918.8	147.8	-1,051.9	-147.8	0.00	0.00	Start Drop -1.00
5,100.0	14.50	278.00	4,967.1	149.6	-1,064.5	-149.6	1.00	-1.00	
5,170.0	13.80	278.00	5,035.0	152.0	-1,081.5	-152.0	1.00	-1.00	Shannon
5,200.0	13.50	278.00	5,064.2	153.0	-1,088.5	-153.0	1.00	-1.00	
5,300.0	12.50	278.00	5,161.6	156.1	-1,110.8	-156.1	1.00	-1.00	
5,400.0	11.50	278.00	5,259.4	159.0	-1,131.4	-159.0	1.00	-1.00	
5,500.0	10.50	278.00	5,357.6	161.7	-1,150.3	-161.7	1.00	-1.00	
5,600.0	9.50	278.00	5,456.0	164.1	-1,167.5	-164.1	1.00	-1.00	
5,700.0	8.50	278.00	5,554.8	166.3	-1,182.9	-166.3	1.00	-1.00	
5,800.0	7.50	278.00	5,653.8	168.2	-1,196.7	-168.2	1.00	-1.00	
5,900.0	6.50	278.00	5,753.1	169.9	-1,208.8	-169.9	1.00	-1.00	
6,000.0	5.50	278.00	5,852.5	171.3	-1,219.1	-171.3	1.00	-1.00	
6,100.0	4.50	278.00	5,952.2	172.6	-1,227.8	-172.6	1.00	-1.00	
6,191.1	3.59	278.00	6,043.0	173.4	-1,234.1	-173.4	1.00	-1.00	Teepee Buttes
6,200.0	3.50	278.00	6,051.9	173.5	-1,234.7	-173.5	1.00	-1.00	
6,300.0	2.50	278.00	6,151.8	174.3	-1,239.9	-174.3	1.00	-1.00	
6,400.0	1.50	278.00	6,251.7	174.7	-1,243.3	-174.7	1.00	-1.00	
6,500.0	0.50	278.00	6,351.7	175.0	-1,245.1	-175.0	1.00	-1.00	
6,550.0	0.00	0.00	6,401.7	175.0	-1,245.3	-175.0	1.00	-1.00	EOD; Inc=0°
6,600.0	0.00	0.00	6,451.7	175.0	-1,245.3	-175.0	0.00	0.00	
6,700.0	0.00	0.00	6,551.7	175.0	-1,245.3	-175.0	0.00	0.00	
6,800.0	0.00	0.00	6,651.7	175.0	-1,245.3	-175.0	0.00	0.00	
6,820.1	0.00	0.00	6,671.8	175.0	-1,245.3	-175.0	0.00	0.00	Start Build 8.00
6,900.0	6.39	179.27	6,751.5	170.6	-1,245.2	-170.6	8.00	8.00	
7,000.0	14.39	179.27	6,849.8	152.5	-1,245.0	-152.5	8.00	8.00	
7,100.0	22.39	179.27	6,944.6	121.0	-1,244.6	-121.0	8.00	8.00	
7,200.0	30.39	179.27	7,034.1	76.6	-1,244.0	-76.6	8.00	8.00	
7,211.5	31.31	179.27	7,044.0	70.7	-1,243.9	-70.7	8.00	8.00	Sharon Springs
7,300.0	38.39	179.27	7,116.6	20.2	-1,243.3	-20.2	8.00	8.00	
7,346.4	42.10	179.27	7,152.0	-9.8	-1,242.9	9.8	8.00	8.00	B Chalk
7,371.1	44.08	179.27	7,170.0	-26.6	-1,242.7	26.6	8.00	8.00	Niobrara
7,400.0	46.39	179.27	7,190.4	-47.2	-1,242.5	47.2	8.00	8.00	
7,500.0	54.39	179.27	7,254.1	-124.2	-1,241.5	124.2	8.00	8.00	
7,600.0	62.39	179.27	7,306.5	-209.3	-1,240.4	209.3	8.00	8.00	
7,700.0	70.39	179.27	7,346.5	-300.8	-1,239.2	300.8	8.00	8.00	
7,733.6	73.08	179.27	7,357.0	-332.7	-1,238.8	332.7	8.00	8.00	Ft. Hayes
7,800.0	78.39	179.27	7,373.4	-397.0	-1,238.0	397.0	8.00	8.00	
7,825.3	80.41	179.27	7,378.0	-421.9	-1,237.7	421.9	8.00	8.00	Codell
7,900.0	86.39	179.27	7,386.6	-496.1	-1,236.8	496.1	8.00	8.00	
7,945.1	90.00	179.27	7,388.0	-541.1	-1,236.2	541.1	8.00	8.00	LP @ 7388' TVD; 90°
8,000.0	90.00	179.27	7,388.0	-596.0	-1,235.5	596.0	0.00	0.00	
8,100.0	90.00	179.27	7,388.0	-696.0	-1,234.2	696.0	0.00	0.00	
8,200.0	90.00	179.27	7,388.0	-796.0	-1,233.0	796.0	0.00	0.00	
8,300.0	90.00	179.27	7,388.0	-896.0	-1,231.7	896.0	0.00	0.00	
8,400.0	90.00	179.27	7,388.0	-996.0	-1,230.4	996.0	0.00	0.00	
8,500.0	90.00	179.27	7,388.0	-1,096.0	-1,229.2	1,096.0	0.00	0.00	
8,600.0	90.00	179.27	7,388.0	-1,196.0	-1,227.9	1,196.0	0.00	0.00	
8,700.0	90.00	179.27	7,388.0	-1,296.0	-1,226.6	1,296.0	0.00	0.00	
8,800.0	90.00	179.27	7,388.0	-1,396.0	-1,225.4	1,396.0	0.00	0.00	
8,900.0	90.00	179.27	7,388.0	-1,495.9	-1,224.1	1,495.9	0.00	0.00	

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Project:	DJ Wattenberg	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
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Well:	Devore 1A-34H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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	179.27	7,388.0	-1,595.9	-1,222.8	1,595.9	0.00	0.00	
9,100.0	90.00	179.27	7,388.0	-1,695.9	-1,221.6	1,695.9	0.00	0.00	
9,200.0	90.00	179.27	7,388.0	-1,795.9	-1,220.3	1,795.9	0.00	0.00	
9,300.0	90.00	179.27	7,388.0	-1,895.9	-1,219.0	1,895.9	0.00	0.00	
9,400.0	90.00	179.27	7,388.0	-1,995.9	-1,217.8	1,995.9	0.00	0.00	
9,500.0	90.00	179.27	7,388.0	-2,095.9	-1,216.5	2,095.9	0.00	0.00	
9,600.0	90.00	179.27	7,388.0	-2,195.9	-1,215.2	2,195.9	0.00	0.00	
9,700.0	90.00	179.27	7,388.0	-2,295.9	-1,214.0	2,295.9	0.00	0.00	
9,800.0	90.00	179.27	7,388.0	-2,395.9	-1,212.7	2,395.9	0.00	0.00	
9,900.0	90.00	179.27	7,388.0	-2,495.9	-1,211.4	2,495.9	0.00	0.00	
10,000.0	90.00	179.27	7,388.0	-2,595.9	-1,210.2	2,595.9	0.00	0.00	
10,100.0	90.00	179.27	7,388.0	-2,695.9	-1,208.9	2,695.9	0.00	0.00	
10,200.0	90.00	179.27	7,388.0	-2,795.8	-1,207.6	2,795.8	0.00	0.00	
10,300.0	90.00	179.27	7,388.0	-2,895.8	-1,206.4	2,895.8	0.00	0.00	
10,400.0	90.00	179.27	7,388.0	-2,995.8	-1,205.1	2,995.8	0.00	0.00	
10,500.0	90.00	179.27	7,388.0	-3,095.8	-1,203.9	3,095.8	0.00	0.00	
10,600.0	90.00	179.27	7,388.0	-3,195.8	-1,202.6	3,195.8	0.00	0.00	
10,700.0	90.00	179.27	7,388.0	-3,295.8	-1,201.3	3,295.8	0.00	0.00	
10,800.0	90.00	179.27	7,388.0	-3,395.8	-1,200.1	3,395.8	0.00	0.00	
10,900.0	90.00	179.27	7,388.0	-3,495.8	-1,198.8	3,495.8	0.00	0.00	
11,000.0	90.00	179.27	7,388.0	-3,595.8	-1,197.5	3,595.8	0.00	0.00	
11,100.0	90.00	179.27	7,388.0	-3,695.8	-1,196.3	3,695.8	0.00	0.00	
11,200.0	90.00	179.27	7,388.0	-3,795.8	-1,195.0	3,795.8	0.00	0.00	
11,300.0	90.00	179.27	7,388.0	-3,895.8	-1,193.7	3,895.8	0.00	0.00	
11,400.0	90.00	179.27	7,388.0	-3,995.7	-1,192.5	3,995.7	0.00	0.00	
11,500.0	90.00	179.27	7,388.0	-4,095.7	-1,191.2	4,095.7	0.00	0.00	
11,600.0	90.00	179.27	7,388.0	-4,195.7	-1,189.9	4,195.7	0.00	0.00	
11,700.0	90.00	179.27	7,388.0	-4,295.7	-1,188.7	4,295.7	0.00	0.00	
11,800.0	90.00	179.27	7,388.0	-4,395.7	-1,187.4	4,395.7	0.00	0.00	
11,900.0	90.00	179.27	7,388.0	-4,495.7	-1,186.1	4,495.7	0.00	0.00	
12,000.0	90.00	179.27	7,388.0	-4,595.7	-1,184.9	4,595.7	0.00	0.00	
12,005.2	90.00	179.27	7,388.0	-4,600.9	-1,184.8	4,600.9	0.00	0.00	TD at 12005.2 - Devore 1A-34H 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
Devore 1A-34H PBHL - plan hits target center - Point	0.00	0.00	7,388.0	-4,600.9	-1,184.8	1,307,690.84	3,205,973.38	40.175650	-104.762900

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Devore 1A-34H
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site:	S34-T3N-R66W (Devore)	North Reference:	True
Well:	Devore 1A-34H	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
649.5	649.0	Base of Fox Hills				
4,499.5	4,387.0	Sussex				
4,803.8	4,681.0	Sussex Marker				
5,170.0	5,035.0	Shannon				
6,191.1	6,043.0	Teepee Buttes				
7,211.5	7,044.0	Sharon Springs				
7,346.4	7,152.0	B Chalk				
7,371.1	7,170.0	Niobrara				
7,733.6	7,357.0	Ft. Hayes				
7,825.3	7,378.0	Codell				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
200.0	200.0	0.0	0.0	KOP @ 200'	
1,700.0	1,682.9	27.2	-193.3	EOB; Inc=15°	
5,050.0	4,918.8	147.8	-1,051.9	Start Drop -1.00	
6,550.0	6,401.7	175.0	-1,245.3	EOD; Inc=0°	
6,820.1	6,671.8	175.0	-1,245.3	Start Build 8.00	
7,945.1	7,388.0	-541.1	-1,236.2	LP @ 7388' TVD; 90°	
12,005.2	7,388.0	-4,600.9	-1,184.8	TD at 12005.2	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S34-T3N-R66W (Devore)

Devore 1A-34H

Hz

Plan #2

Anticollision Report

27 March, 2013

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2		
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	3/27/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	12,005.2	Plan #2 (Hz)	MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation	Warning
	Measured Depth (ft)	Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
S34-T3N-R66W (Devore)						
DEVORE 1 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 1 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 1 (EXISTING) - EXISTING - GYRO						Out of range
Devore 1B-34H - Hz - Plan #1	200.0	200.0	8.4	7.7	12.840	CC, ES
Devore 1B-34H - Hz - Plan #1	12,005.2	11,742.1	432.4	288.6	3.008	SF
Devore 1C-34H - Hz - Plan #1	200.0	200.0	19.6	18.9	29.960	CC, ES
Devore 1C-34H - Hz - Plan #1	2,900.0	2,905.1	148.5	133.4	9.802	SF
Devore 1D-34H - Hz - Plan #1	200.0	200.0	27.9	27.3	42.800	CC, ES
Devore 1D-34H - Hz - Plan #1	800.0	800.8	54.1	51.4	19.644	SF
Devore 1E-34H - Hz - Plan #1	200.0	200.0	39.1	38.5	59.920	CC, ES
Devore 1E-34H - Hz - Plan #1	700.0	698.7	61.3	58.9	25.622	SF
Devore 1F-34H - Hz - Plan #1	200.0	200.0	50.3	49.6	77.041	CC, ES
Devore 1F-34H - Hz - Plan #1	600.0	597.6	67.3	65.3	32.935	SF
Devore 1G-34H - Hz - Plan #1	200.0	200.0	58.7	58.0	89.881	CC, ES
Devore 1G-34H - Hz - Plan #1	600.0	595.8	80.0	77.9	39.194	SF
Devore 1H-34H - Hz - Plan #1	200.0	200.0	69.8	69.2	107.001	CC, ES
Devore 1H-34H - Hz - Plan #1	700.0	690.5	112.5	110.1	47.259	SF
DEVORE 31-34 (EXISTING) - EXISTING - GYRO	3,874.8	3,774.9	347.6	329.0	18.691	CC
DEVORE 31-34 (EXISTING) - EXISTING - GYRO	3,900.0	3,799.3	347.7	328.9	18.525	ES
DEVORE 31-34 (EXISTING) - EXISTING - GYRO	4,300.0	4,184.9	364.7	343.8	17.427	SF
DEVORE 32-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 32-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 32-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 33-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 33-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 33-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 34-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 34-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 41-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 41-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 41-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 42-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 43-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 44-34 (EXISTING) - EXISTING - GYRO						Out of range
DEVORE 6-0-34 (EXISTING) - EXISTING - SURVEYS						Out of range
DEVORE 6-0-34 (EXISTING) - EXISTING - SURVEYS						Out of range
DEVORE 6-0-34 (EXISTING) - EXISTING - SURVEYS						Out of range
DEVORE 6-4-34 (EXISTING) - EXISTING - SURVEYS						Out of range
DEVORE 6-4-34 (EXISTING) - EXISTING - SURVEYS						Out of range
DEVORE 6-4-34 (EXISTING) - EXISTING - SURVEYS						Out of range
DEVORE 6-8-34 (EXISTING) - EXISTING - Plan #1						Out of range
DEVORE 6-8-34 (EXISTING) - EXISTING - Plan #2						Out of range
DEVORE 6-8-34 (EXISTING) - EXISTING - SURVEYS						Out of range
MAYER 23-34 (EXISTING) - EXISTING - SURVEYS	11,126.1	7,530.5	174.4	89.1	2.045	CC, ES, SF
TURNER 21-34 (EXISTING) - EXISTING - SURVEYS	8,705.7	7,512.7	156.0	112.8	3.610	CC, ES, SF
TURNER 25-34 (EXISTING) - EXISTING - SURVEYS	9,624.8	7,502.1	184.4	127.2	3.222	CC, ES, SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1B-34H - 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 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	90.06	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	27.599		
200.0	200.0	200.0	200.0	0.3	0.3	90.06	0.0	8.4	8.4	7.7	0.65	12.840	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	172.80	0.0	8.4	9.2	8.2	1.00	9.230		
400.0	400.0	400.2	400.1	0.7	0.7	173.71	0.2	7.5	11.0	9.6	1.35	8.132		
500.0	499.9	500.3	500.3	0.9	0.9	173.95	0.7	4.9	12.7	11.0	1.70	7.491		
600.0	599.7	600.6	600.4	1.1	1.0	173.78	1.5	0.6	14.5	12.4	2.05	7.072		
700.0	699.4	700.8	700.5	1.3	1.2	173.32	2.7	-5.4	16.3	13.9	2.40	6.778		
800.0	798.9	801.1	800.5	1.5	1.5	172.66	4.2	-13.1	18.0	15.3	2.75	6.559		
900.0	898.3	901.4	900.3	1.8	1.7	171.85	6.0	-22.6	19.8	16.7	3.10	6.390		
1,000.0	997.4	1,001.7	1,000.0	2.0	1.9	170.94	8.2	-33.7	21.6	18.2	3.46	6.254		
1,100.0	1,096.3	1,102.1	1,099.5	2.3	2.2	169.95	10.7	-46.6	23.4	19.6	3.82	6.140		
1,200.0	1,194.9	1,202.5	1,198.8	2.7	2.5	168.89	13.5	-61.2	25.3	21.1	4.19	6.040		
1,300.0	1,293.3	1,302.9	1,297.8	3.0	2.8	167.79	16.7	-77.6	27.1	22.6	4.56	5.947		
1,400.0	1,391.2	1,403.4	1,396.6	3.4	3.2	166.65	20.2	-95.6	29.0	24.1	4.96	5.858		
1,500.0	1,488.9	1,503.9	1,495.0	3.8	3.5	165.48	24.0	-115.3	30.9	25.6	5.36	5.768		
1,600.0	1,586.1	1,604.4	1,593.1	4.3	4.0	164.30	28.2	-136.7	32.9	27.1	5.79	5.675		
1,700.0	1,682.9	1,704.9	1,690.9	4.7	4.4	163.10	32.7	-159.8	34.9	28.6	6.25	5.575		
1,800.0	1,779.5	1,804.9	1,787.9	5.2	4.8	162.02	37.3	-183.6	36.9	30.2	6.73	5.483		
1,900.0	1,876.1	1,904.8	1,884.9	5.7	5.3	161.06	41.9	-207.3	39.0	31.8	7.23	5.394		
2,000.0	1,972.7	2,004.8	1,981.9	6.2	5.7	160.20	46.5	-231.1	41.1	33.4	7.75	5.308		
2,100.0	2,069.3	2,104.8	2,078.9	6.6	6.2	159.42	51.2	-254.8	43.2	34.9	8.27	5.226		
2,200.0	2,165.9	2,204.8	2,175.9	7.1	6.6	158.71	55.8	-278.6	45.3	36.5	8.81	5.148		
2,300.0	2,262.5	2,304.7	2,272.9	7.6	7.1	158.06	60.4	-302.3	47.4	38.1	9.35	5.074		
2,400.0	2,359.1	2,404.7	2,369.9	8.1	7.5	157.47	65.0	-326.0	49.6	39.7	9.90	5.005		
2,500.0	2,455.7	2,504.7	2,466.9	8.6	8.0	156.93	69.6	-349.8	51.7	41.2	10.47	4.940		
2,600.0	2,552.3	2,604.7	2,563.9	9.1	8.5	156.43	74.2	-373.5	53.8	42.8	11.03	4.879		
2,700.0	2,648.8	2,704.7	2,660.9	9.6	8.9	155.97	78.8	-397.3	56.0	44.4	11.61	4.821		
2,800.0	2,745.4	2,804.6	2,757.9	10.1	9.4	155.54	83.5	-421.0	58.1	45.9	12.19	4.768		
2,900.0	2,842.0	2,904.6	2,854.9	10.6	9.8	155.15	88.1	-444.8	60.3	47.5	12.77	4.717		
3,000.0	2,938.6	3,004.6	2,951.9	11.1	10.3	154.78	92.7	-468.5	62.4	49.0	13.36	4.670		
3,100.0	3,035.2	3,104.6	3,048.9	11.5	10.8	154.43	97.3	-492.2	64.5	50.6	13.95	4.626		
3,200.0	3,131.8	3,204.5	3,146.0	12.0	11.2	154.11	101.9	-516.0	66.7	52.1	14.55	4.584		
3,300.0	3,228.4	3,304.5	3,243.0	12.5	11.7	153.81	106.5	-539.7	68.9	53.7	15.15	4.545		
3,400.0	3,325.0	3,404.5	3,340.0	13.0	12.2	153.53	111.1	-563.5	71.0	55.3	15.75	4.508		
3,500.0	3,421.6	3,504.5	3,437.0	13.5	12.6	153.26	115.8	-587.2	73.2	56.8	16.36	4.473		
3,600.0	3,518.2	3,604.4	3,534.0	14.0	13.1	153.01	120.4	-610.9	75.3	58.4	16.96	4.440		
3,700.0	3,614.8	3,704.4	3,631.0	14.5	13.5	152.77	125.0	-634.7	77.5	59.9	17.57	4.409		
3,800.0	3,711.4	3,804.4	3,728.0	15.0	14.0	152.54	129.6	-658.4	79.6	61.5	18.19	4.379		
3,900.0	3,808.0	3,904.4	3,825.0	15.5	14.5	152.33	134.2	-682.2	81.8	63.0	18.80	4.351		
4,000.0	3,904.6	4,004.3	3,922.0	16.0	14.9	152.13	138.8	-705.9	84.0	64.6	19.41	4.325		
4,100.0	4,001.1	4,104.3	4,019.0	16.5	15.4	151.94	143.5	-729.7	86.1	66.1	20.03	4.300		
4,200.0	4,097.7	4,204.3	4,116.0	17.0	15.9	151.76	148.1	-753.4	88.3	67.6	20.65	4.276		
4,300.0	4,194.3	4,304.2	4,213.0	17.5	16.3	151.58	152.7	-777.1	90.5	69.2	21.27	4.254		
4,400.0	4,290.9	4,402.8	4,308.9	18.0	16.8	151.71	157.1	-799.7	93.4	71.7	21.77	4.291		
4,500.0	4,387.5	4,501.3	4,405.0	18.5	17.2	152.35	161.1	-820.6	97.9	75.8	22.09	4.430		
4,600.0	4,484.1	4,600.0	4,501.7	19.0	17.5	153.40	164.9	-839.9	103.8	81.6	22.24	4.668		
4,700.0	4,580.7	4,697.7	4,597.8	19.5	17.9	154.75	168.3	-857.4	111.3	89.0	22.26	5.000		
4,800.0	4,677.3	4,795.5	4,694.2	20.0	18.2	156.28	171.4	-873.2	120.3	98.2	22.18	5.425		
4,900.0	4,773.9	4,892.9	4,790.6	20.5	18.5	157.92	174.1	-887.5	131.0	108.9	22.05	5.940		
5,000.0	4,870.5	4,990.0	4,886.8	21.0	18.8	159.57	176.6	-900.1	143.3	121.4	21.90	6.543		

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 Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1B-34H - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis		
5,100.0	4,967.1	5,086.6	4,982.7	21.5	19.0	161.18	178.7	-911.0	157.1	135.3	21.76	7.218	
5,200.0	5,064.2	5,182.9	5,078.6	21.9	19.2	162.59	180.5	-920.3	171.0	149.4	21.68	7.890	
5,300.0	5,161.6	5,279.1	5,174.4	22.3	19.4	163.81	182.0	-928.0	185.0	163.4	21.66	8.544	
5,400.0	5,259.4	5,375.0	5,270.1	22.7	19.6	164.88	183.2	-934.1	199.0	177.3	21.68	9.179	
5,500.0	5,357.6	5,470.7	5,365.7	23.1	19.7	165.82	184.1	-938.7	212.9	191.2	21.74	9.794	
5,600.0	5,456.0	5,566.1	5,461.1	23.4	19.8	166.66	184.7	-941.7	226.8	205.0	21.83	10.391	
5,700.0	5,554.8	5,661.4	5,556.4	23.7	19.9	167.43	184.9	-943.1	240.6	218.7	21.94	10.969	
5,800.0	5,653.8	5,758.8	5,653.8	24.0	20.0	168.12	185.0	-943.2	254.1	232.0	22.07	11.512	
5,900.0	5,753.1	5,858.1	5,753.1	24.3	20.1	168.68	185.0	-943.2	266.0	243.8	22.25	11.959	
6,000.0	5,852.5	5,957.6	5,852.5	24.5	20.2	169.13	185.0	-943.2	276.3	253.8	22.45	12.306	
6,100.0	5,952.2	6,057.2	5,952.2	24.7	20.3	169.47	185.0	-943.2	284.9	262.2	22.68	12.560	
6,200.0	6,051.9	6,156.9	6,051.9	24.9	20.3	169.73	185.0	-943.2	291.7	268.8	22.93	12.724	
6,300.0	6,151.8	6,256.8	6,151.8	25.0	20.4	169.92	185.0	-943.2	296.9	273.7	23.19	12.803	
6,400.0	6,251.7	6,356.7	6,251.7	25.1	20.5	170.05	185.0	-943.2	300.3	276.8	23.46	12.801	
6,500.0	6,351.7	6,456.7	6,351.7	25.2	20.6	170.11	185.0	-943.2	302.0	278.3	23.74	12.722	
6,600.0	6,451.7	6,556.7	6,451.7	25.3	20.7	88.11	185.0	-943.2	302.2	278.3	23.90	12.648	
6,648.9	6,500.6	6,605.6	6,500.6	25.3	20.8	88.44	183.2	-943.1	302.2	278.3	23.98	12.606	
6,700.0	6,551.7	6,656.3	6,551.0	25.4	20.8	89.45	177.9	-943.0	302.3	278.4	23.93	12.634	
6,800.0	6,651.7	6,752.1	6,644.7	25.5	20.8	93.17	158.2	-942.5	303.3	279.7	23.68	12.809	
6,900.0	6,751.5	6,842.8	6,730.1	25.5	20.8	-80.96	128.3	-941.6	307.2	283.5	23.76	12.930	
7,000.0	6,849.8	6,930.4	6,808.6	25.6	20.8	-76.07	89.2	-940.6	313.6	289.2	24.41	12.847	
7,100.0	6,944.6	7,015.6	6,879.7	25.6	20.9	-71.64	42.4	-939.3	321.8	296.3	25.50	12.621	
7,200.0	7,034.1	7,100.0	6,944.1	25.6	20.9	-67.67	-12.0	-937.8	331.2	304.5	26.68	12.415	
7,300.0	7,116.6	7,180.2	6,999.0	25.6	21.0	-64.34	-70.3	-936.2	341.0	313.3	27.66	12.328	
7,400.0	7,190.4	7,260.2	7,047.0	25.7	21.2	-61.50	-134.3	-934.5	350.7	322.3	28.34	12.375	
7,500.0	7,254.1	7,339.1	7,087.0	25.9	21.4	-59.19	-202.2	-932.7	359.7	331.0	28.64	12.558	
7,600.0	7,306.5	7,417.0	7,119.0	26.1	21.7	-57.39	-273.2	-930.7	367.6	339.0	28.63	12.842	
7,700.0	7,346.5	7,494.3	7,142.9	26.5	22.1	-56.07	-346.6	-928.7	374.1	345.7	28.40	13.174	
7,800.0	7,373.4	7,571.1	7,158.6	27.0	22.6	-55.20	-421.7	-926.7	379.0	350.9	28.10	13.488	
7,900.0	7,386.6	7,650.0	7,166.3	27.5	23.1	-54.78	-500.2	-924.6	382.1	354.2	27.89	13.702	
8,000.0	7,388.0	7,737.4	7,167.0	28.2	23.8	-54.81	-587.5	-922.2	383.5	354.6	28.93	13.255	
8,100.0	7,388.0	7,837.4	7,167.0	29.0	24.7	-54.93	-687.5	-919.5	384.7	353.6	31.06	12.387	
8,200.0	7,388.0	7,937.3	7,167.0	29.8	25.7	-55.06	-787.4	-916.7	385.9	352.6	33.31	11.586	
8,300.0	7,388.0	8,037.3	7,167.0	30.7	26.7	-55.18	-887.4	-914.0	387.1	351.4	35.66	10.856	
8,400.0	7,388.0	8,137.3	7,167.0	31.7	27.8	-55.30	-987.3	-911.3	388.3	350.2	38.09	10.193	
8,500.0	7,388.0	8,237.3	7,167.0	32.8	29.0	-55.43	-1,087.3	-908.6	389.5	348.9	40.60	9.593	
8,600.0	7,388.0	8,337.3	7,167.0	33.9	30.3	-55.55	-1,187.2	-905.9	390.7	347.5	43.17	9.049	
8,700.0	7,388.0	8,437.3	7,167.0	35.1	31.6	-55.67	-1,287.2	-903.2	391.9	346.1	45.79	8.558	
8,800.0	7,388.0	8,537.3	7,167.0	36.3	32.9	-55.79	-1,387.1	-900.4	393.1	344.6	48.46	8.112	
8,900.0	7,388.0	8,637.3	7,167.0	37.5	34.3	-55.90	-1,487.1	-897.7	394.3	343.1	51.16	7.706	
9,000.0	7,388.0	8,737.3	7,167.0	38.9	35.7	-56.02	-1,587.0	-895.0	395.5	341.6	53.90	7.337	
9,100.0	7,388.0	8,837.2	7,167.0	40.2	37.1	-56.14	-1,687.0	-892.3	396.7	340.0	56.67	7.000	
9,200.0	7,388.0	8,937.2	7,167.0	41.6	38.6	-56.26	-1,786.9	-889.6	397.9	338.4	59.47	6.691	
9,300.0	7,388.0	9,037.2	7,167.0	43.0	40.1	-56.37	-1,886.9	-886.9	399.1	336.8	62.29	6.407	
9,400.0	7,388.0	9,137.2	7,167.0	44.4	41.6	-56.49	-1,986.8	-884.1	400.3	335.2	65.13	6.146	
9,500.0	7,388.0	9,237.2	7,167.0	45.8	43.1	-56.60	-2,086.8	-881.4	401.5	333.5	68.00	5.905	
9,600.0	7,388.0	9,337.2	7,167.0	47.3	44.7	-56.72	-2,186.7	-878.7	402.7	331.8	70.88	5.682	
9,700.0	7,388.0	9,437.2	7,167.0	48.8	46.2	-56.83	-2,286.7	-876.0	403.9	330.2	73.78	5.475	
9,800.0	7,388.0	9,537.2	7,167.0	50.3	47.8	-56.94	-2,386.6	-873.3	405.2	328.5	76.69	5.283	
9,900.0	7,388.0	9,637.2	7,167.0	51.8	49.4	-57.05	-2,486.6	-870.5	406.4	326.8	79.62	5.104	
10,000.0	7,388.0	9,737.1	7,167.0	53.3	51.0	-57.16	-2,586.6	-867.8	407.6	325.0	82.57	4.936	
10,100.0	7,388.0	9,837.1	7,167.0	54.9	52.6	-57.27	-2,686.5	-865.1	408.8	323.3	85.53	4.780	

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 Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1B-34H - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)		Total Uncertainty Axis	Separation Factor
10,200.0	7,388.0	9,937.1	7,167.0	56.5	54.2	-57.38	-2,786.5	-862.4	410.0	321.5		88.50	4.633
10,300.0	7,388.0	10,037.1	7,167.0	58.0	55.9	-57.49	-2,886.4	-859.7	411.3	319.8		91.48	4.496
10,400.0	7,388.0	10,137.1	7,167.0	59.6	57.5	-57.60	-2,986.4	-857.0	412.5	318.0		94.47	4.366
10,500.0	7,388.0	10,237.1	7,167.0	61.2	59.1	-57.71	-3,086.3	-854.2	413.7	316.2		97.47	4.244
10,600.0	7,388.0	10,337.1	7,167.0	62.8	60.8	-57.82	-3,186.3	-851.5	414.9	314.5		100.49	4.129
10,700.0	7,388.0	10,437.1	7,167.0	64.4	62.4	-57.92	-3,286.2	-848.8	416.2	312.7		103.51	4.021
10,800.0	7,388.0	10,537.1	7,167.0	66.0	64.1	-58.03	-3,386.2	-846.1	417.4	310.9		106.54	3.918
10,900.0	7,388.0	10,637.1	7,167.0	67.7	65.7	-58.13	-3,486.1	-843.4	418.6	309.1		109.58	3.820
11,000.0	7,388.0	10,737.0	7,167.0	69.3	67.4	-58.24	-3,586.1	-840.6	419.9	307.2		112.63	3.728
11,100.0	7,388.0	10,837.0	7,167.0	70.9	69.1	-58.34	-3,686.0	-837.9	421.1	305.4		115.69	3.640
11,200.0	7,388.0	10,937.0	7,167.0	72.6	70.8	-58.45	-3,786.0	-835.2	422.3	303.6		118.76	3.556
11,300.0	7,388.0	11,037.0	7,167.0	74.2	72.4	-58.55	-3,885.9	-832.5	423.6	301.8		121.83	3.477
11,400.0	7,388.0	11,137.0	7,167.0	75.9	74.1	-58.65	-3,985.9	-829.8	424.8	299.9		124.91	3.401
11,500.0	7,388.0	11,237.0	7,167.0	77.5	75.8	-58.75	-4,085.8	-827.1	426.1	298.1		128.00	3.329
11,600.0	7,388.0	11,337.0	7,167.0	79.2	77.5	-58.85	-4,185.8	-824.3	427.3	296.2		131.10	3.259
11,700.0	7,388.0	11,437.0	7,167.0	80.8	79.2	-58.95	-4,285.7	-821.6	428.6	294.4		134.20	3.193
11,800.0	7,388.0	11,537.0	7,167.0	82.5	80.9	-59.05	-4,385.7	-818.9	429.8	292.5		137.31	3.130
11,900.0	7,388.0	11,636.9	7,167.0	84.2	82.6	-59.15	-4,485.6	-816.2	431.0	290.6		140.43	3.069
12,000.0	7,388.0	11,736.9	7,167.0	85.9	84.3	-59.25	-4,585.6	-813.5	432.3	288.7		143.55	3.011
12,005.2	7,388.0	11,742.1	7,167.0	85.9	84.4	-59.26	-4,590.8	-813.3	432.4	288.6		143.71	3.008 SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1C-34H - 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	64.397		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	19.6	19.6	18.9	0.65	29.960 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	172.39	0.0	19.6	20.4	19.4	1.00	20.386		
400.0	400.0	400.0	400.0	0.7	0.7	173.25	0.0	19.6	23.0	21.7	1.35	17.045		
500.0	499.9	500.3	500.3	0.9	0.9	173.75	0.3	18.7	26.5	24.8	1.70	15.605		
600.0	599.7	600.7	600.7	1.1	1.0	173.44	1.2	16.3	30.1	28.1	2.05	14.689		
700.0	699.4	701.2	701.0	1.3	1.2	172.59	2.7	12.1	33.8	31.4	2.40	14.066		
800.0	798.9	801.7	801.4	1.5	1.4	171.36	4.8	6.3	37.5	34.7	2.75	13.622		
900.0	898.3	902.3	901.6	1.8	1.6	169.85	7.5	-1.1	41.3	38.2	3.11	13.294		
1,000.0	997.4	1,002.9	1,001.8	2.0	1.8	168.15	10.8	-10.2	45.3	41.8	3.47	13.040		
1,100.0	1,096.3	1,103.5	1,101.8	2.3	2.1	166.32	14.7	-21.0	49.4	45.6	3.85	12.832		
1,200.0	1,194.9	1,204.2	1,201.6	2.7	2.4	164.41	19.3	-33.4	53.7	49.5	4.25	12.648		
1,300.0	1,293.3	1,305.0	1,301.2	3.0	2.6	162.43	24.4	-47.5	58.2	53.5	4.66	12.470		
1,400.0	1,391.2	1,405.8	1,400.6	3.4	3.0	160.43	30.1	-63.2	62.8	57.7	5.11	12.284		
1,500.0	1,488.9	1,506.6	1,499.7	3.8	3.3	158.43	36.4	-80.5	67.7	62.1	5.60	12.083		
1,600.0	1,586.1	1,607.5	1,598.5	4.3	3.7	156.44	43.3	-99.6	72.8	66.7	6.14	11.861		
1,700.0	1,682.9	1,708.3	1,696.9	4.7	4.1	154.47	50.8	-120.2	78.1	71.4	6.73	11.620		
1,800.0	1,779.5	1,808.1	1,794.2	5.2	4.5	152.76	58.5	-141.3	83.8	76.4	7.35	11.399		
1,900.0	1,876.1	1,907.9	1,891.4	5.7	4.9	151.26	66.2	-162.4	89.5	81.5	8.00	11.187		
2,000.0	1,972.7	2,007.7	1,988.7	6.2	5.3	149.94	73.9	-183.5	95.2	86.6	8.67	10.987		
2,100.0	2,069.3	2,107.5	2,085.9	6.6	5.7	148.77	81.6	-204.6	101.0	91.7	9.35	10.802		
2,200.0	2,165.9	2,207.3	2,183.2	7.1	6.2	147.73	89.2	-225.7	106.9	96.8	10.05	10.632		
2,300.0	2,262.5	2,307.1	2,280.4	7.6	6.6	146.79	96.9	-246.8	112.7	102.0	10.76	10.475		
2,400.0	2,359.1	2,406.9	2,377.7	8.1	7.0	145.95	104.6	-267.9	118.6	107.1	11.48	10.332		
2,500.0	2,455.7	2,506.8	2,475.0	8.6	7.4	145.19	112.3	-289.0	124.5	112.3	12.21	10.201		
2,600.0	2,552.3	2,606.6	2,572.2	9.1	7.9	144.50	120.0	-310.1	130.5	117.5	12.94	10.080		
2,700.0	2,648.8	2,706.4	2,669.5	9.6	8.3	143.86	127.6	-331.2	136.4	122.7	13.68	9.970		
2,800.0	2,745.4	2,806.2	2,766.7	10.1	8.7	143.29	135.3	-352.3	142.4	128.0	14.43	9.869		
2,900.0	2,842.0	2,905.1	2,863.1	10.6	9.1	142.83	142.8	-372.9	148.5	133.4	15.16	9.802 SF		
3,000.0	2,938.6	3,003.1	2,959.0	11.1	9.5	142.85	149.8	-392.0	155.7	139.9	15.79	9.863		
3,100.0	3,035.2	3,100.9	3,055.1	11.5	9.9	143.30	156.2	-409.5	164.0	147.7	16.33	10.048		
3,200.0	3,131.8	3,198.5	3,151.2	12.0	10.2	144.12	162.0	-425.5	173.5	156.7	16.77	10.346		
3,300.0	3,228.4	3,295.8	3,247.3	12.5	10.5	145.23	167.2	-439.8	184.1	167.0	17.12	10.754		
3,400.0	3,325.0	3,392.8	3,343.2	13.0	10.8	146.57	171.8	-452.6	196.0	178.6	17.40	11.269		
3,500.0	3,421.6	3,489.3	3,439.0	13.5	11.0	148.06	175.9	-463.8	209.3	191.7	17.60	11.888		
3,600.0	3,518.2	3,585.4	3,534.6	14.0	11.3	149.65	179.4	-473.4	223.8	206.1	17.75	12.612		
3,700.0	3,614.8	3,680.9	3,629.7	14.5	11.5	151.29	182.3	-481.5	239.8	222.0	17.85	13.438		
3,800.0	3,711.4	3,776.0	3,724.5	15.0	11.7	152.96	184.7	-488.1	257.3	239.3	17.91	14.364		
3,900.0	3,808.0	3,870.4	3,818.7	15.5	11.8	154.60	186.6	-493.1	276.2	258.2	17.95	15.387		
4,000.0	3,904.6	3,964.1	3,912.4	16.0	12.0	156.21	187.9	-496.7	296.6	278.7	17.98	16.503		
4,100.0	4,001.1	4,057.2	4,005.4	16.5	12.1	157.77	188.7	-498.8	318.6	300.6	18.00	17.706		
4,200.0	4,097.7	4,150.0	4,098.3	17.0	12.2	159.26	188.9	-499.5	342.2	324.1	18.02	18.990		
4,300.0	4,194.3	4,246.1	4,194.3	17.5	12.3	160.68	188.9	-499.5	366.6	348.5	18.06	20.299		
4,400.0	4,290.9	4,342.6	4,290.9	18.0	12.4	161.93	188.9	-499.5	391.2	373.0	18.14	21.566		
4,500.0	4,387.5	4,439.2	4,387.5	18.5	12.5	163.04	188.9	-499.5	415.9	397.7	18.25	22.787		
4,600.0	4,484.1	4,535.8	4,484.1	19.0	12.6	164.02	188.9	-499.5	440.8	422.4	18.40	23.964		
4,700.0	4,580.7	4,632.4	4,580.7	19.5	12.7	164.89	188.9	-499.5	465.8	447.3	18.56	25.095		
4,800.0	4,677.3	4,729.0	4,677.3	20.0	12.8	165.68	188.9	-499.5	490.9	472.2	18.75	26.184		

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 Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1D-34H - 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	90.06	0.0	27.9	27.9					
100.0	100.0	100.0	100.0	0.2	0.2	90.06	0.0	27.9	27.9	27.6	0.30	91.996		
200.0	200.0	200.0	200.0	0.3	0.3	90.06	0.0	27.9	27.9	27.3	0.65	42.800 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	172.30	0.0	27.9	28.8	27.8	1.00	28.753		
400.0	400.0	400.0	400.0	0.7	0.7	172.94	0.0	27.9	31.4	30.0	1.35	23.250		
500.0	499.9	499.9	499.9	0.9	0.8	173.79	0.0	27.9	35.7	34.0	1.70	21.033		
600.0	599.7	600.2	600.1	1.1	1.0	173.78	0.7	27.4	41.2	39.2	2.05	20.135		
700.0	699.4	700.5	700.4	1.3	1.2	172.40	2.7	25.7	47.3	44.9	2.40	19.735		
800.0	798.9	800.8	800.6	1.5	1.4	170.14	6.1	23.0	54.1	51.4	2.75	19.644 SF		
900.0	898.3	901.0	900.7	1.8	1.6	167.38	10.9	19.1	61.6	58.5	3.12	19.754		
1,000.0	997.4	1,001.2	1,000.6	2.0	1.8	164.37	17.0	14.1	70.1	66.5	3.50	19.990		
1,100.0	1,096.3	1,101.4	1,100.3	2.3	2.0	161.28	24.5	8.1	79.4	75.5	3.91	20.293		
1,200.0	1,194.9	1,201.4	1,199.7	2.7	2.2	158.24	33.3	1.0	89.8	85.5	4.36	20.618		
1,300.0	1,293.3	1,301.3	1,298.7	3.0	2.5	155.31	43.4	-7.3	101.3	96.5	4.84	20.932		
1,400.0	1,391.2	1,401.1	1,397.3	3.4	2.8	152.54	54.9	-16.6	113.9	108.6	5.37	21.213		
1,500.0	1,488.9	1,500.6	1,495.5	3.8	3.1	149.96	67.7	-26.9	127.8	121.8	5.96	21.452		
1,600.0	1,586.1	1,599.4	1,592.8	4.3	3.4	147.91	81.0	-37.7	143.0	136.4	6.57	21.778		
1,700.0	1,682.9	1,697.9	1,689.8	4.7	3.7	146.58	94.3	-48.5	159.8	152.6	7.19	22.223		
1,800.0	1,779.5	1,796.3	1,786.7	5.2	4.0	145.74	107.6	-59.2	177.4	169.6	7.83	22.658		
1,900.0	1,876.1	1,894.7	1,883.6	5.7	4.4	145.05	120.9	-70.0	195.0	186.5	8.48	23.006		
2,000.0	1,972.7	1,993.0	1,980.4	6.2	4.7	144.48	134.1	-80.7	212.7	203.5	9.13	23.291		
2,100.0	2,069.3	2,090.6	2,076.7	6.6	5.0	144.26	146.5	-90.7	230.5	220.8	9.75	23.645		
2,200.0	2,165.9	2,188.1	2,173.2	7.1	5.3	144.45	157.6	-99.7	248.8	238.4	10.33	24.088		
2,300.0	2,262.5	2,285.3	2,269.6	7.6	5.5	144.96	167.4	-107.6	267.3	256.5	10.86	24.618		
2,400.0	2,359.1	2,382.4	2,366.0	8.1	5.8	145.74	175.8	-114.5	286.3	275.0	11.35	25.236		
2,500.0	2,455.7	2,479.1	2,462.3	8.6	6.0	146.72	183.0	-120.3	305.8	294.0	11.79	25.942		
2,600.0	2,552.3	2,575.5	2,558.4	9.1	6.2	147.86	189.0	-125.1	325.8	313.6	12.18	26.740		
2,700.0	2,648.8	2,671.5	2,654.3	9.6	6.4	149.13	193.6	-128.9	346.3	333.8	12.53	27.632		
2,800.0	2,745.4	2,767.1	2,749.7	10.1	6.6	150.50	197.0	-131.6	367.5	354.7	12.84	28.621		
2,900.0	2,842.0	2,862.2	2,844.7	10.6	6.7	151.94	199.1	-133.3	389.5	376.4	13.11	29.709		
3,000.0	2,938.6	2,956.7	2,939.2	11.1	6.8	153.42	200.0	-134.0	412.2	398.9	13.34	30.892		
3,100.0	3,035.2	3,052.7	3,035.2	11.5	7.0	154.92	200.0	-134.1	435.6	422.1	13.56	32.125		
3,200.0	3,131.8	3,149.2	3,131.8	12.0	7.1	156.28	200.0	-134.1	459.3	445.6	13.78	33.325		
3,300.0	3,228.4	3,245.8	3,228.4	12.5	7.2	157.51	200.0	-134.1	483.3	469.3	14.01	34.485		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1E-34H - 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	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	128.795		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	39.1	39.1	38.5	0.65	59.920 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	172.23	0.0	39.1	40.0	39.0	1.00	39.908		
400.0	400.0	400.0	400.0	0.7	0.7	172.70	0.0	39.1	42.6	41.2	1.35	31.524		
500.0	499.9	499.9	499.9	0.9	0.8	173.37	0.0	39.1	46.9	45.2	1.70	27.609		
600.0	599.7	599.7	599.7	1.1	1.0	174.13	0.0	39.1	53.0	50.9	2.05	25.883		
700.0	699.4	698.7	698.7	1.3	1.2	174.24	0.6	39.7	61.3	58.9	2.39	25.622 SF		
800.0	798.9	797.4	797.3	1.5	1.4	173.39	2.6	41.3	72.4	69.7	2.74	26.443		
900.0	898.3	895.5	895.4	1.8	1.6	172.03	5.8	44.1	86.4	83.3	3.09	27.974		
1,000.0	997.4	993.0	992.7	2.0	1.7	170.48	10.2	47.8	103.2	99.8	3.44	29.989		
1,100.0	1,096.3	1,089.7	1,089.1	2.3	1.9	168.93	15.9	52.7	122.9	119.1	3.80	32.339		
1,200.0	1,194.9	1,185.5	1,184.5	2.7	2.1	167.47	22.7	58.5	145.4	141.3	4.17	34.917		
1,300.0	1,293.3	1,280.3	1,278.7	3.0	2.4	166.13	30.7	65.3	170.9	166.3	4.54	37.642		
1,400.0	1,391.2	1,373.9	1,371.6	3.4	2.6	164.92	39.7	72.9	199.2	194.2	4.92	40.454		
1,500.0	1,488.9	1,466.4	1,463.1	3.8	2.8	163.84	49.7	81.5	230.2	224.9	5.32	43.309		
1,600.0	1,586.1	1,557.4	1,553.0	4.3	3.1	162.87	60.7	90.8	264.1	258.4	5.72	46.171		
1,700.0	1,682.9	1,649.0	1,643.2	4.7	3.4	162.01	72.7	101.0	300.5	294.4	6.14	48.983		
1,800.0	1,779.5	1,741.7	1,734.5	5.2	3.7	161.46	85.0	111.5	337.9	331.3	6.57	51.421		
1,900.0	1,876.1	1,834.4	1,825.8	5.7	4.0	161.01	97.2	121.9	375.2	368.2	7.01	53.524		
2,000.0	1,972.7	1,927.1	1,917.1	6.2	4.3	160.64	109.5	132.3	412.6	405.2	7.45	55.352		
2,100.0	2,069.3	2,019.8	2,008.4	6.6	4.6	160.33	121.8	142.8	450.0	442.1	7.90	56.955		
2,200.0	2,165.9	2,112.6	2,099.7	7.1	4.9	160.08	134.0	153.2	487.5	479.1	8.35	58.368		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1F-34H - 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	50.3	50.3					
100.0	100.0	100.0	100.0	0.2	0.2	90.05	0.0	50.3	50.3	50.0	0.30	165.593		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	0.0	50.3	50.3	49.6	0.65	77.041	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	172.19	0.0	50.3	51.2	50.2	1.00	51.064		
400.0	400.0	400.0	400.0	0.7	0.7	172.56	0.0	50.3	53.7	52.4	1.35	39.799		
500.0	499.9	498.9	498.9	0.9	0.8	172.78	0.3	51.1	58.9	57.2	1.70	34.684		
600.0	599.7	597.6	597.5	1.1	1.0	172.57	1.2	53.4	67.3	65.3	2.04	32.935	SF	
700.0	699.4	695.7	695.6	1.3	1.2	172.10	2.8	57.4	79.0	76.7	2.39	33.080		
800.0	798.9	793.2	792.9	1.5	1.4	171.51	5.0	62.8	94.1	91.3	2.73	34.396		
900.0	898.3	889.9	889.3	1.8	1.6	170.90	7.8	69.7	112.4	109.3	3.08	36.480		
1,000.0	997.4	985.6	984.6	2.0	1.8	170.32	11.2	78.0	133.9	130.5	3.42	39.092		
1,100.0	1,096.3	1,080.2	1,078.6	2.3	2.0	169.79	15.1	87.7	158.6	154.8	3.77	42.079		
1,200.0	1,194.9	1,173.6	1,171.3	2.7	2.3	169.32	19.5	98.6	186.5	182.4	4.11	45.336		
1,300.0	1,293.3	1,265.6	1,262.3	3.0	2.5	168.90	24.4	110.8	217.5	213.0	4.46	48.791		
1,400.0	1,391.2	1,356.2	1,351.7	3.4	2.8	168.53	29.8	124.1	251.5	246.7	4.80	52.391		
1,500.0	1,488.9	1,447.2	1,441.4	3.8	3.1	168.20	35.6	138.6	288.4	283.2	5.15	56.031		
1,600.0	1,586.1	1,539.5	1,532.3	4.3	3.4	167.98	41.6	153.5	326.9	321.5	5.49	59.500		
1,700.0	1,682.9	1,631.0	1,622.5	4.7	3.7	167.84	47.6	168.2	367.1	361.3	5.84	62.830		
1,800.0	1,779.5	1,722.3	1,712.3	5.2	4.0	167.83	53.5	182.9	408.1	401.9	6.21	65.755		
1,900.0	1,876.1	1,813.5	1,802.2	5.7	4.3	167.83	59.5	197.6	449.0	442.4	6.57	68.346		
2,000.0	1,972.7	1,904.7	1,892.0	6.2	4.6	167.82	65.4	212.3	490.0	483.0	6.93	70.655		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1G-34H - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.05	-0.1	58.7	58.7					
100.0	100.0	100.0	100.0	0.2	0.2	90.05	-0.1	58.7	58.7	58.4	0.30	193.192		
200.0	200.0	200.0	200.0	0.3	0.3	90.05	-0.1	58.7	58.7	58.0	0.65	89.881	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	172.17	-0.1	58.7	59.5	58.5	1.00	59.431		
400.0	400.0	398.9	398.9	0.7	0.7	172.29	0.2	59.5	63.0	61.6	1.35	46.684		
500.0	499.9	497.6	497.5	0.9	0.9	172.22	0.8	62.0	69.8	68.1	1.70	41.168		
600.0	599.7	595.8	595.7	1.1	1.0	172.02	1.8	66.1	80.0	77.9	2.04	39.194	SF	
700.0	699.4	693.5	693.1	1.3	1.2	171.76	3.3	71.7	93.5	91.2	2.39	39.217		
800.0	798.9	790.3	789.7	1.5	1.4	171.47	5.2	79.0	110.4	107.7	2.73	40.474		
900.0	898.3	886.3	885.3	1.8	1.6	171.19	7.4	87.7	130.6	127.6	3.07	42.545		
1,000.0	997.4	981.2	979.6	2.0	1.9	170.93	10.0	97.8	154.1	150.7	3.41	45.179		
1,100.0	1,096.3	1,074.9	1,072.6	2.3	2.1	170.69	13.0	109.4	180.8	177.0	3.75	48.217		
1,200.0	1,194.9	1,167.3	1,164.0	2.7	2.4	170.48	16.2	122.1	210.7	206.6	4.09	51.553		
1,300.0	1,293.3	1,258.2	1,253.7	3.0	2.7	170.29	19.8	136.1	243.6	239.2	4.42	55.114		
1,400.0	1,391.2	1,347.5	1,341.7	3.4	3.0	170.11	23.7	151.2	279.6	274.9	4.75	58.846		
1,500.0	1,488.9	1,435.1	1,427.7	3.8	3.3	169.96	27.8	167.2	318.7	313.6	5.08	62.710		
1,600.0	1,586.1	1,522.2	1,513.0	4.3	3.6	169.81	32.2	184.4	360.6	355.1	5.41	66.645		
1,700.0	1,682.9	1,612.1	1,600.9	4.7	4.0	169.70	36.9	202.5	404.4	398.6	5.74	70.411		
1,800.0	1,779.5	1,701.6	1,688.5	5.2	4.3	169.71	41.5	220.5	449.0	442.9	6.09	73.711		
1,900.0	1,876.1	1,791.1	1,776.0	5.7	4.7	169.71	46.1	238.6	493.6	487.1	6.44	76.646		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - Devore 1H-34H - 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	-0.1	69.8	69.8				
100.0	100.0	100.0	100.0	0.2	0.2	90.05	-0.1	69.8	69.8	69.5	0.30	229.990	
200.0	200.0	200.0	200.0	0.3	0.3	90.05	-0.1	69.8	69.8	69.2	0.65	107.001	CC, ES
300.0	300.0	298.8	298.8	0.5	0.5	172.02	0.1	70.7	71.6	70.6	1.00	71.582	
400.0	400.0	397.4	397.4	0.7	0.7	171.93	0.6	73.2	76.7	75.3	1.35	56.969	
500.0	499.9	495.7	495.5	0.9	0.9	171.81	1.3	77.3	85.2	83.5	1.69	50.376	
600.0	599.7	593.4	593.1	1.1	1.1	171.67	2.4	83.1	97.2	95.1	2.04	47.710	
700.0	699.4	690.5	689.9	1.3	1.3	171.53	3.8	90.5	112.5	110.1	2.38	47.259	SF
800.0	798.9	786.7	785.7	1.5	1.5	171.41	5.4	99.4	131.1	128.4	2.72	48.178	
900.0	898.3	882.0	880.4	1.8	1.7	171.29	7.3	109.7	153.1	150.0	3.06	50.002	
1,000.0	997.4	976.1	973.7	2.0	2.0	171.19	9.5	121.4	178.3	174.9	3.40	52.456	
1,100.0	1,096.3	1,068.9	1,065.5	2.3	2.3	171.09	11.9	134.5	206.7	202.9	3.73	55.365	
1,200.0	1,194.9	1,160.3	1,155.8	2.7	2.5	171.01	14.6	148.8	238.2	234.2	4.06	58.611	
1,300.0	1,293.3	1,250.1	1,244.2	3.0	2.8	170.93	17.4	164.2	272.9	268.5	4.39	62.115	
1,400.0	1,391.2	1,338.3	1,330.8	3.4	3.2	170.85	20.5	180.7	310.6	305.9	4.72	65.820	
1,500.0	1,488.9	1,424.7	1,415.4	3.8	3.5	170.78	23.7	198.1	351.3	346.2	5.04	69.682	
1,600.0	1,586.1	1,509.3	1,498.0	4.3	3.9	170.71	27.1	216.3	394.8	389.5	5.36	73.669	
1,700.0	1,682.9	1,592.0	1,578.3	4.7	4.2	170.64	30.6	235.3	441.2	435.5	5.67	77.757	
1,800.0	1,779.5	1,673.0	1,656.8	5.2	4.6	170.64	34.3	255.0	489.6	483.6	6.00	81.568	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - DEVORE 31-34 (EXISTING) - EXISTING - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-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)						
2,600.0	2,552.3	2,549.9	2,549.6	9.1	2.2	-41.88	-208.3	-836.9	492.2	483.0	9.19	53.591		
2,700.0	2,648.8	2,649.9	2,649.6	9.6	2.3	-44.06	-208.8	-836.9	473.2	463.4	9.80	48.282		
2,800.0	2,745.4	2,745.1	2,744.8	10.1	2.4	-46.30	-209.1	-836.8	454.8	444.3	10.44	43.570		
2,900.0	2,842.0	2,839.6	2,839.3	10.6	2.5	-48.74	-210.1	-836.9	437.7	426.6	11.11	39.400		
3,000.0	2,938.6	2,936.4	2,936.1	11.1	2.6	-51.47	-211.4	-836.9	421.6	409.8	11.82	35.666		
3,100.0	3,035.2	3,033.9	3,033.5	11.5	2.7	-54.45	-212.7	-836.6	406.4	393.8	12.57	32.328		
3,200.0	3,131.8	3,129.8	3,129.4	12.0	2.7	-57.59	-213.9	-836.2	392.3	379.0	13.34	29.402		
3,300.0	3,228.4	3,224.5	3,224.2	12.5	2.8	-60.92	-215.5	-836.0	379.9	365.8	14.13	26.877		
3,400.0	3,325.0	3,319.3	3,318.9	13.0	2.9	-64.49	-217.6	-835.7	369.3	354.4	14.94	24.715		
3,500.0	3,421.6	3,412.4	3,412.0	13.5	3.0	-68.13	-220.1	-836.0	361.1	345.4	15.74	22.939		
3,600.0	3,518.2	3,509.6	3,509.2	14.0	3.1	-72.08	-223.1	-836.4	355.0	338.5	16.55	21.450		
3,700.0	3,614.8	3,606.4	3,605.9	14.5	3.2	-76.19	-226.0	-836.4	350.6	333.3	17.33	20.227		
3,800.0	3,711.4	3,702.5	3,702.0	15.0	3.2	-80.32	-229.0	-836.6	348.2	330.1	18.08	19.261		
3,874.8	3,783.7	3,774.9	3,774.3	15.4	3.3	-83.40	-231.1	-837.0	347.6	329.0	18.60	18.691 CC		
3,900.0	3,808.0	3,799.3	3,798.7	15.5	3.3	-84.44	-231.8	-837.2	347.7	328.9	18.77	18.525 ES		
4,000.0	3,904.6	3,895.3	3,894.7	16.0	3.4	-88.54	-234.7	-837.6	349.2	329.8	19.40	17.997		
4,100.0	4,001.1	3,992.7	3,992.0	16.5	3.5	-92.61	-237.6	-838.3	352.6	332.6	19.97	17.652		
4,200.0	4,097.7	4,089.0	4,088.2	17.0	3.6	-96.48	-240.3	-839.3	357.7	337.2	20.48	17.465		
4,300.0	4,194.3	4,184.9	4,184.1	17.5	3.7	-100.17	-243.2	-840.7	364.7	343.8	20.93	17.427 SF		
4,400.0	4,290.9	4,284.5	4,283.6	18.0	3.8	-103.80	-246.1	-842.5	373.1	351.8	21.32	17.503		
4,500.0	4,387.5	4,380.9	4,380.0	18.5	3.8	-107.22	-248.4	-843.9	382.4	360.8	21.65	17.667		
4,600.0	4,484.1	4,478.7	4,477.8	19.0	3.9	-110.54	-250.7	-845.0	393.2	371.3	21.92	17.937		
4,700.0	4,580.7	4,574.4	4,573.4	19.5	4.0	-113.57	-253.0	-846.6	405.2	383.0	22.17	18.278		
4,800.0	4,677.3	4,672.0	4,671.0	20.0	4.1	-116.51	-255.4	-847.8	418.5	396.1	22.36	18.711		
4,900.0	4,773.9	4,770.6	4,769.6	20.5	4.2	-119.30	-257.5	-849.3	432.4	409.9	22.53	19.192		
5,000.0	4,870.5	4,871.1	4,870.1	21.0	4.3	-122.03	-259.0	-850.5	446.8	424.1	22.65	19.722		
5,100.0	4,967.1	4,972.3	4,971.3	21.5	4.4	-124.77	-259.1	-851.2	461.1	438.3	22.72	20.294		
5,200.0	5,064.2	5,071.5	5,070.5	21.9	4.5	-127.26	-258.4	-851.9	474.6	451.8	22.75	20.862		
5,300.0	5,161.6	5,170.6	5,169.5	22.3	4.5	-129.44	-257.4	-852.6	487.5	464.7	22.77	21.406		
5,400.0	5,259.4	5,268.7	5,267.6	22.7	4.6	-131.35	-256.2	-853.4	499.7	476.9	22.80	21.915		
7,300.0	7,116.6	7,121.5	7,120.1	25.6	6.2	-63.65	-234.1	-832.7	482.9	462.6	20.30	23.787		
7,400.0	7,190.4	7,190.5	7,189.0	25.7	6.3	-72.05	-231.4	-831.3	450.5	430.7	19.77	22.785		
7,500.0	7,254.1	7,249.8	7,248.2	25.9	6.3	-80.35	-229.2	-829.9	424.8	405.0	19.78	21.476		
7,600.0	7,306.5	7,297.3	7,295.7	26.1	6.4	-87.06	-227.2	-828.5	412.4	392.3	20.15	20.467		
7,618.7	7,314.9	7,304.9	7,303.3	26.2	6.4	-88.04	-226.9	-828.3	412.1	391.8	20.26	20.338		
7,700.0	7,346.5	7,333.0	7,331.3	26.5	6.4	-91.14	-225.7	-827.4	418.9	398.1	20.77	20.170		
7,800.0	7,373.4	7,355.9	7,354.2	27.0	6.4	-91.92	-224.8	-826.7	446.4	424.7	21.66	20.610		
7,900.0	7,386.6	7,365.3	7,363.6	27.5	6.4	-89.01	-224.5	-826.4	492.7	470.0	22.71	21.696		

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 Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design													S34-T3N-R66W (Devore) - MAYER 23-34 (EXISTING) - EXISTING - SURVEYS		Offset Site Error:		0.0 ft	
Survey Program:													12-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					
10,700.0	7,388.0	7,523.3	7,405.4	64.4	20.6	86.20	-3,724.0	-1,370.1	460.4	382.6	77.81	5.917						
10,800.0	7,388.0	7,525.0	7,407.1	66.0	20.6	86.76	-3,724.0	-1,370.1	369.8	290.2	79.57	4.648						
10,900.0	7,388.0	7,526.7	7,408.8	67.7	20.6	87.32	-3,724.1	-1,370.1	285.6	204.2	81.32	3.511						
11,000.0	7,388.0	7,528.4	7,410.5	69.3	20.6	87.86	-3,724.1	-1,370.2	215.2	132.1	83.08	2.591						
11,100.0	7,388.0	7,530.0	7,412.1	70.9	20.6	88.40	-3,724.1	-1,370.2	176.3	91.5	84.82	2.079						
11,126.1	7,388.0	7,530.5	7,412.6	71.3	20.6	88.54	-3,724.1	-1,370.2	174.4	89.1	85.28	2.045	CC, ES, SF					
11,200.0	7,388.0	7,531.6	7,413.8	72.6	20.6	88.93	-3,724.1	-1,370.3	189.4	102.8	86.57	2.188						
11,300.0	7,388.0	7,533.2	7,415.4	74.2	20.6	89.46	-3,724.2	-1,370.3	246.2	157.9	88.31	2.788						
11,400.0	7,388.0	7,534.8	7,416.9	75.9	20.6	89.97	-3,724.2	-1,370.4	324.6	234.6	90.04	3.605						
11,500.0	7,388.0	7,536.4	7,418.5	77.5	20.6	90.48	-3,724.2	-1,370.4	412.5	320.7	91.77	4.495						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - TURNER 21-34 (EXISTING) - EXISTING - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 12-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		
8,300.0	7,388.0	7,516.0	7,410.2	30.7	20.6	90.44	-1,303.6	-1,382.5	434.6	397.4	37.16	11.695		
8,400.0	7,388.0	7,515.1	7,409.4	31.7	20.6	90.14	-1,303.6	-1,382.5	343.2	304.6	38.59	8.891		
8,500.0	7,388.0	7,514.3	7,408.6	32.8	20.6	89.85	-1,303.6	-1,382.5	258.1	218.0	40.07	6.442		
8,600.0	7,388.0	7,513.5	7,407.8	33.9	20.6	89.55	-1,303.6	-1,382.5	188.4	146.8	41.57	4.531		
8,700.0	7,388.0	7,512.7	7,407.0	35.1	20.6	89.26	-1,303.6	-1,382.5	156.1	113.0	43.11	3.620		
8,705.7	7,388.0	7,512.7	7,406.9	35.1	20.6	89.24	-1,303.6	-1,382.5	156.0	112.8	43.20	3.610	CC, ES, SF	
8,800.0	7,388.0	7,511.9	7,406.2	36.3	20.6	88.97	-1,303.6	-1,382.5	182.3	137.6	44.67	4.081		
8,900.0	7,388.0	7,511.2	7,405.4	37.5	20.6	88.68	-1,303.6	-1,382.5	249.2	202.9	46.24	5.388		
9,000.0	7,388.0	7,510.4	7,404.6	38.9	20.6	88.38	-1,303.6	-1,382.5	333.1	285.2	47.84	6.963		
9,100.0	7,388.0	7,509.6	7,403.8	40.2	20.6	88.10	-1,303.6	-1,382.5	424.0	374.6	49.44	8.576		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Offset Design S34-T3N-R66W (Devore) - TURNER 25-34 (EXISTING) - EXISTING - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 12-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			
9,200.0	7,388.0	7,501.8	7,409.1	41.6	19.9	89.71	-2,223.1	-1,399.3	463.1	412.9	50.21	9.224		
9,300.0	7,388.0	7,501.8	7,409.1	43.0	19.9	89.74	-2,223.1	-1,399.3	373.5	321.7	51.85	7.204		
9,400.0	7,388.0	7,501.9	7,409.2	44.4	19.9	89.76	-2,223.1	-1,399.3	290.8	237.3	53.50	5.436		
9,500.0	7,388.0	7,502.0	7,409.3	45.8	19.9	89.78	-2,223.1	-1,399.3	222.7	167.5	55.16	4.037		
9,600.0	7,388.0	7,502.1	7,409.4	47.3	19.9	89.80	-2,223.1	-1,399.3	186.1	129.3	56.83	3.275		
9,624.8	7,388.0	7,502.1	7,409.4	47.7	19.9	89.81	-2,223.1	-1,399.3	184.4	127.2	57.24	3.222 CC, ES, SF		
9,700.0	7,388.0	7,502.1	7,409.4	48.8	19.9	89.83	-2,223.1	-1,399.3	199.2	140.7	58.50	3.404		
9,800.0	7,388.0	7,502.2	7,409.5	50.3	19.9	89.85	-2,223.1	-1,399.3	254.4	194.2	60.18	4.227		
9,900.0	7,388.0	7,502.3	7,409.6	51.8	19.9	89.87	-2,223.1	-1,399.3	331.3	269.4	61.87	5.354		
10,000.0	7,388.0	7,502.3	7,409.7	53.3	19.9	89.89	-2,223.1	-1,399.3	418.1	354.5	63.56	6.577		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Devore 1A-34H
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4974.0ft (Original Well Elev)
Reference Site:	S34-T3N-R66W (Devore)	MD Reference:	WELL @ 4974.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Devore 1A-34H	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 #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4974.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Devore 1A-34H

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.48°

