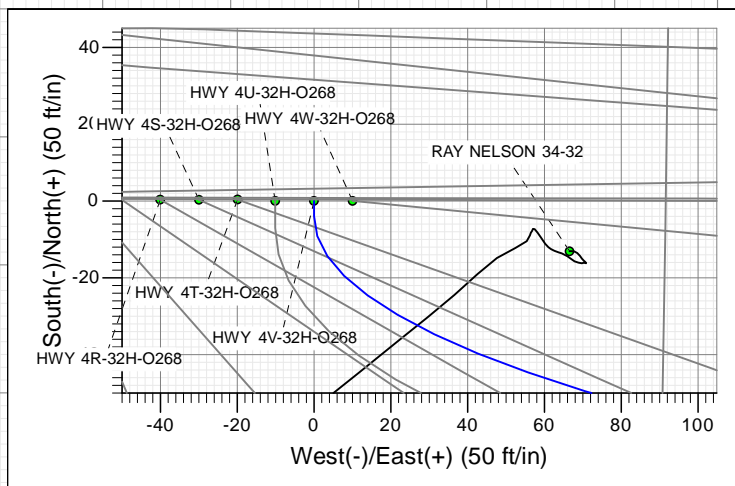
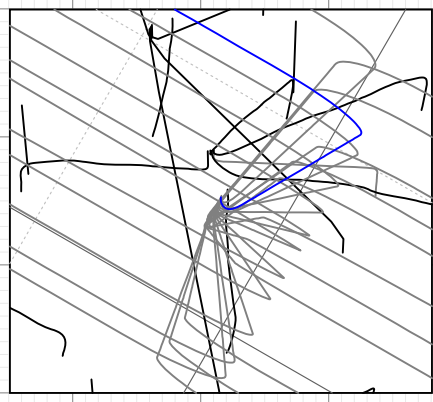
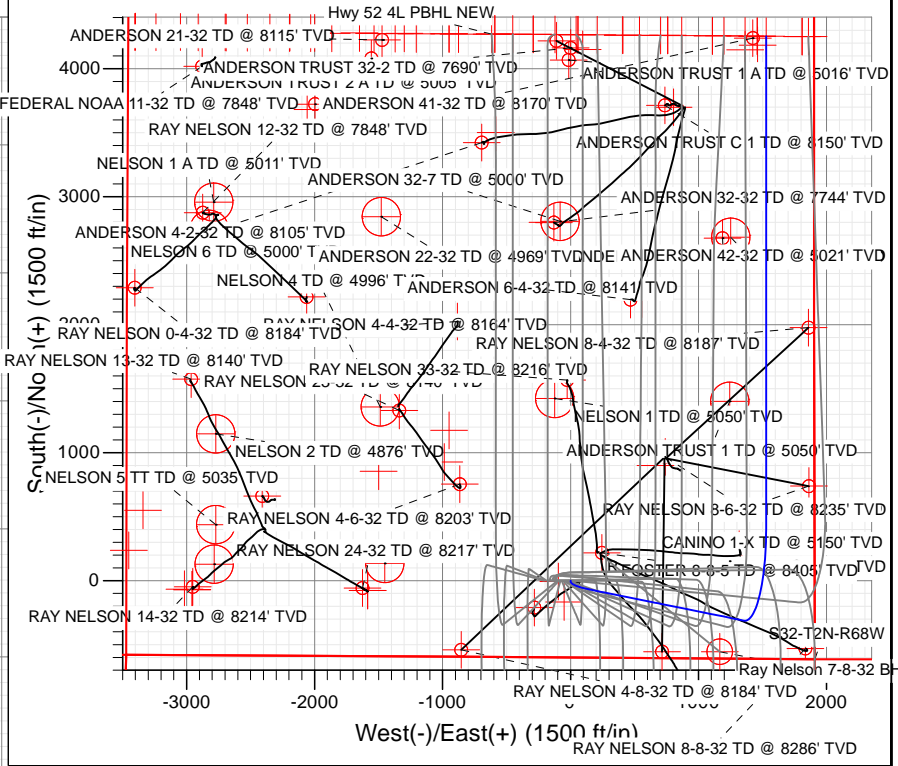
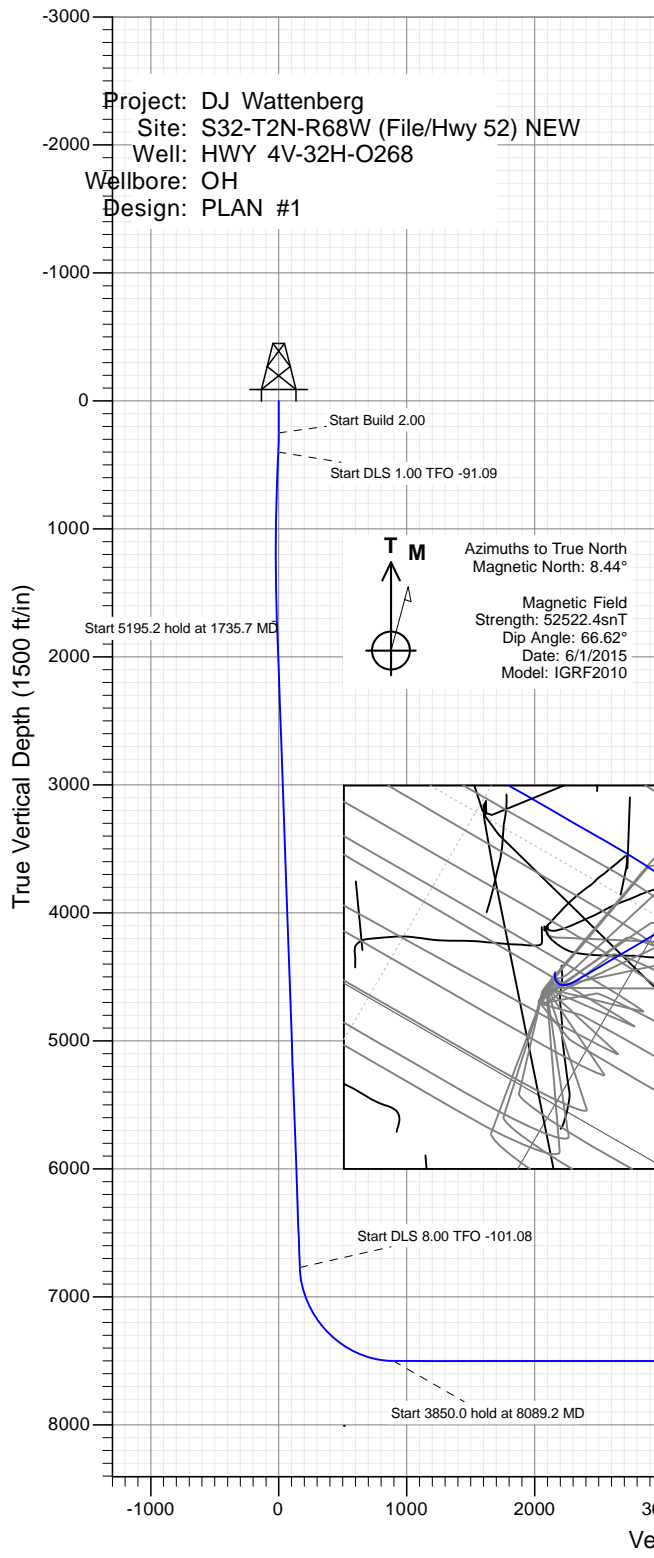




SECTION DETAILS

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	250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	
3	400.0	3.00	180.00	399.9	-3.9	0.0	2.00	180.00	-3.7	
4	1735.7	13.63	101.39	1721.9	-70.3	155.0	1.00	-91.09	-13.7	
5	6930.8	13.63	101.39	6770.8	-312.1	1354.9	0.00	0.00	164.4	
6	8089.2	90.00	0.00	7500.0	403.3	1528.2	8.00	-101.08	896.3	
7	11939.2	90.00	0.00	7500.0	4253.3	1528.2	0.00	0.00	4519.5	HWY 4V PBHL NEW



WELL DETAILS: HWY 4V-32H-O268

Ground Level: 4988.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1275755.09	3133034.33	40.089353	-105.024535

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	15' KB @ 5003.0ft
Project:	DJ Wattenberg	MD Reference:	15' KB @ 5003.0ft
Site:	S32-T2N-R68W (File/Hwy 52) NEW	North Reference:	True
Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

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

Site S32-T2N-R68W (File/Hwy 52) NEW					
Site Position:		Northing:	1,275,973.93 ft	Latitude:	40.089950
From:	Lat/Long	Easting:	3,133,277.97 ft	Longitude:	-105.023660
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.31 °

Well HWY 4V-32H-O268						
Well Position	+N/-S	0.0 ft	Northing:	1,275,755.09 ft	Latitude:	40.089353
	+E/-W	0.0 ft	Easting:	3,133,034.33 ft	Longitude:	-105.024535
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,988.0 ft

Wellbore OH					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	6/1/2015	8.44	66.62	52,522

Design PLAN #1				
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	19.76

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	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	3.00	180.00	399.9	-3.9	0.0	2.00	2.00	0.00	180.00	
1,735.7	13.63	101.39	1,721.9	-70.3	155.0	1.00	0.80	-5.89	-91.09	
6,930.8	13.63	101.39	6,770.8	-312.1	1,354.9	0.00	0.00	0.00	0.00	
8,089.2	90.00	0.00	7,500.0	403.3	1,528.2	8.00	6.59	-8.75	-101.08	
11,939.2	90.00	0.00	7,500.0	4,253.3	1,528.2	0.00	0.00	0.00	0.00	HWY 4V PBHL NEW

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	15' KB @ 5003.0ft
Project:	DJ Wattenberg	MD Reference:	15' KB @ 5003.0ft
Site:	S32-T2N-R68W (File/Hwy 52) NEW	North Reference:	True
Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	Start Build 2.00
300.0	1.00	180.00	300.0	-0.4	0.0	-0.4	2.00	2.00	
400.0	3.00	180.00	399.9	-3.9	0.0	-3.7	2.00	2.00	Start DLS 1.00 TFO -91.09
500.0	3.14	161.45	499.8	-9.1	0.9	-8.3	1.00	0.14	
600.0	3.57	145.95	599.6	-14.3	3.5	-12.3	1.00	0.43	
700.0	4.20	134.42	699.4	-19.5	7.9	-15.7	1.00	0.63	
800.0	4.95	126.12	799.1	-24.6	14.0	-18.4	1.00	0.75	
900.0	5.78	120.09	898.6	-29.6	21.8	-20.5	1.00	0.83	
1,000.0	6.65	115.60	998.0	-34.7	31.4	-22.0	1.00	0.87	
1,100.0	7.56	112.17	1,097.3	-39.7	42.7	-22.9	1.00	0.91	
1,200.0	8.49	109.47	1,196.3	-44.6	55.8	-23.1	1.00	0.93	
1,300.0	9.43	107.30	1,295.1	-49.5	70.5	-22.7	1.00	0.94	
1,400.0	10.38	105.53	1,393.6	-54.3	87.0	-21.7	1.00	0.95	
1,500.0	11.34	104.06	1,491.8	-59.1	105.3	-20.1	1.00	0.96	
1,600.0	12.31	102.81	1,589.7	-63.9	125.2	-17.8	1.00	0.97	
1,700.0	13.28	101.74	1,687.2	-68.6	146.8	-14.9	1.00	0.97	
1,735.7	13.63	101.39	1,721.9	-70.3	155.0	-13.7	1.00	0.97	Start 5195.2 hold at 1735.7 MD
1,800.0	13.63	101.39	1,784.4	-73.3	169.8	-11.5	0.00	0.00	
1,900.0	13.63	101.39	1,881.6	-77.9	192.9	-8.1	0.00	0.00	
2,000.0	13.63	101.39	1,978.8	-82.6	216.0	-4.7	0.00	0.00	
2,100.0	13.63	101.39	2,076.0	-87.2	239.1	-1.2	0.00	0.00	
2,200.0	13.63	101.39	2,173.1	-91.9	262.2	2.2	0.00	0.00	
2,300.0	13.63	101.39	2,270.3	-96.5	285.3	5.6	0.00	0.00	
2,400.0	13.63	101.39	2,367.5	-101.2	308.4	9.1	0.00	0.00	
2,500.0	13.63	101.39	2,464.7	-105.8	331.5	12.5	0.00	0.00	
2,600.0	13.63	101.39	2,561.9	-110.5	354.6	15.9	0.00	0.00	
2,700.0	13.63	101.39	2,659.1	-115.2	377.7	19.3	0.00	0.00	
2,800.0	13.63	101.39	2,756.2	-119.8	400.8	22.8	0.00	0.00	
2,900.0	13.63	101.39	2,853.4	-124.5	423.9	26.2	0.00	0.00	
3,000.0	13.63	101.39	2,950.6	-129.1	447.0	29.6	0.00	0.00	
3,100.0	13.63	101.39	3,047.8	-133.8	470.1	33.1	0.00	0.00	
3,200.0	13.63	101.39	3,145.0	-138.4	493.2	36.5	0.00	0.00	
3,300.0	13.63	101.39	3,242.2	-143.1	516.3	39.9	0.00	0.00	
3,400.0	13.63	101.39	3,339.4	-147.7	539.4	43.3	0.00	0.00	
3,500.0	13.63	101.39	3,436.5	-152.4	562.5	46.8	0.00	0.00	
3,600.0	13.63	101.39	3,533.7	-157.0	585.6	50.2	0.00	0.00	
3,700.0	13.63	101.39	3,630.9	-161.7	608.7	53.6	0.00	0.00	
3,800.0	13.63	101.39	3,728.1	-166.4	631.8	57.1	0.00	0.00	
3,900.0	13.63	101.39	3,825.3	-171.0	654.9	60.5	0.00	0.00	
4,000.0	13.63	101.39	3,922.5	-175.7	677.9	63.9	0.00	0.00	
4,100.0	13.63	101.39	4,019.7	-180.3	701.0	67.3	0.00	0.00	
4,200.0	13.63	101.39	4,116.8	-185.0	724.1	70.8	0.00	0.00	
4,300.0	13.63	101.39	4,214.0	-189.6	747.2	74.2	0.00	0.00	
4,400.0	13.63	101.39	4,311.2	-194.3	770.3	77.6	0.00	0.00	
4,500.0	13.63	101.39	4,408.4	-198.9	793.4	81.1	0.00	0.00	
4,600.0	13.63	101.39	4,505.6	-203.6	816.5	84.5	0.00	0.00	
4,700.0	13.63	101.39	4,602.8	-208.2	839.6	87.9	0.00	0.00	
4,800.0	13.63	101.39	4,699.9	-212.9	862.7	91.4	0.00	0.00	
4,900.0	13.63	101.39	4,797.1	-217.6	885.8	94.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	15' KB @ 5003.0ft
Project:	DJ Wattenberg	MD Reference:	15' KB @ 5003.0ft
Site:	S32-T2N-R68W (File/Hwy 52) NEW	North Reference:	True
Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
5,000.0	13.63	101.39	4,894.3	-222.2	908.9	98.2	0.00	0.00	
5,100.0	13.63	101.39	4,991.5	-226.9	932.0	101.6	0.00	0.00	
5,200.0	13.63	101.39	5,088.7	-231.5	955.1	105.1	0.00	0.00	
5,300.0	13.63	101.39	5,185.9	-236.2	978.2	108.5	0.00	0.00	
5,400.0	13.63	101.39	5,283.1	-240.8	1,001.3	111.9	0.00	0.00	
5,500.0	13.63	101.39	5,380.2	-245.5	1,024.4	115.4	0.00	0.00	
5,600.0	13.63	101.39	5,477.4	-250.1	1,047.5	118.8	0.00	0.00	
5,700.0	13.63	101.39	5,574.6	-254.8	1,070.6	122.2	0.00	0.00	
5,800.0	13.63	101.39	5,671.8	-259.4	1,093.7	125.6	0.00	0.00	
5,900.0	13.63	101.39	5,769.0	-264.1	1,116.8	129.1	0.00	0.00	
6,000.0	13.63	101.39	5,866.2	-268.8	1,139.9	132.5	0.00	0.00	
6,100.0	13.63	101.39	5,963.3	-273.4	1,163.0	135.9	0.00	0.00	
6,200.0	13.63	101.39	6,060.5	-278.1	1,186.1	139.4	0.00	0.00	
6,300.0	13.63	101.39	6,157.7	-282.7	1,209.2	142.8	0.00	0.00	
6,400.0	13.63	101.39	6,254.9	-287.4	1,232.3	146.2	0.00	0.00	
6,500.0	13.63	101.39	6,352.1	-292.0	1,255.4	149.7	0.00	0.00	
6,600.0	13.63	101.39	6,449.3	-296.7	1,278.5	153.1	0.00	0.00	
6,700.0	13.63	101.39	6,546.5	-301.3	1,301.6	156.5	0.00	0.00	
6,800.0	13.63	101.39	6,643.6	-306.0	1,324.7	159.9	0.00	0.00	
6,900.0	13.63	101.39	6,740.8	-310.6	1,347.8	163.4	0.00	0.00	
6,930.8	13.63	101.39	6,770.8	-312.1	1,354.9	164.4	0.00	0.00	Start DLS 8.00 TFO -101.08
7,000.0	13.67	77.78	6,838.1	-312.0	1,370.9	169.9	8.00	0.06	
7,100.0	17.16	50.30	6,934.6	-300.0	1,393.8	188.9	8.00	3.50	
7,200.0	22.98	34.08	7,028.5	-274.4	1,416.1	220.6	8.00	5.82	
7,300.0	29.79	24.53	7,118.1	-235.5	1,437.4	264.4	8.00	6.80	
7,400.0	37.04	18.36	7,201.5	-184.3	1,457.3	319.3	8.00	7.25	
7,500.0	44.51	13.99	7,277.2	-121.6	1,475.2	384.4	8.00	7.48	
7,600.0	52.12	10.65	7,343.7	-48.7	1,491.0	458.4	8.00	7.60	
7,700.0	59.80	7.95	7,399.6	33.0	1,504.3	539.8	8.00	7.68	
7,800.0	67.53	5.64	7,444.0	122.0	1,514.9	627.0	8.00	7.73	
7,900.0	75.29	3.58	7,475.8	216.4	1,522.4	718.4	8.00	7.76	
8,000.0	83.06	1.66	7,494.6	314.4	1,526.9	812.2	8.00	7.77	
8,089.2	90.00	0.00	7,500.0	403.3	1,528.2	896.3	8.00	7.78	Start 3850.0 hold at 8089.2 MD
8,100.0	90.00	0.00	7,500.0	414.2	1,528.2	906.5	0.00	0.00	
8,200.0	90.00	0.00	7,500.0	514.2	1,528.2	1,000.6	0.00	0.00	
8,300.0	90.00	0.00	7,500.0	614.2	1,528.2	1,094.7	0.00	0.00	
8,400.0	90.00	0.00	7,500.0	714.2	1,528.2	1,188.8	0.00	0.00	
8,500.0	90.00	0.00	7,500.0	814.2	1,528.2	1,282.9	0.00	0.00	
8,600.0	90.00	0.00	7,500.0	914.2	1,528.2	1,377.1	0.00	0.00	
8,700.0	90.00	0.00	7,500.0	1,014.2	1,528.2	1,471.2	0.00	0.00	
8,800.0	90.00	0.00	7,500.0	1,114.2	1,528.2	1,565.3	0.00	0.00	
8,900.0	90.00	0.00	7,500.0	1,214.2	1,528.2	1,659.4	0.00	0.00	
9,000.0	90.00	0.00	7,500.0	1,314.2	1,528.2	1,753.5	0.00	0.00	
9,100.0	90.00	0.00	7,500.0	1,414.2	1,528.2	1,847.6	0.00	0.00	
9,200.0	90.00	0.00	7,500.0	1,514.2	1,528.2	1,941.7	0.00	0.00	
9,300.0	90.00	0.00	7,500.0	1,614.2	1,528.2	2,035.8	0.00	0.00	
9,400.0	90.00	0.00	7,500.0	1,714.2	1,528.2	2,129.9	0.00	0.00	
9,500.0	90.00	0.00	7,500.0	1,814.2	1,528.2	2,224.0	0.00	0.00	
9,600.0	90.00	0.00	7,500.0	1,914.2	1,528.2	2,318.2	0.00	0.00	
9,700.0	90.00	0.00	7,500.0	2,014.2	1,528.2	2,412.3	0.00	0.00	
9,800.0	90.00	0.00	7,500.0	2,114.2	1,528.2	2,506.4	0.00	0.00	
9,900.0	90.00	0.00	7,500.0	2,214.2	1,528.2	2,600.5	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	15' KB @ 5003.0ft
Project:	DJ Wattenberg	MD Reference:	15' KB @ 5003.0ft
Site:	S32-T2N-R68W (File/Hwy 52) NEW	North Reference:	True
Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
10,000.0	90.00	0.00	7,500.0	2,314.2	1,528.2	2,694.6	0.00	0.00	
10,100.0	90.00	0.00	7,500.0	2,414.2	1,528.2	2,788.7	0.00	0.00	
10,200.0	90.00	0.00	7,500.0	2,514.2	1,528.2	2,882.8	0.00	0.00	
10,300.0	90.00	0.00	7,500.0	2,614.2	1,528.2	2,976.9	0.00	0.00	
10,400.0	90.00	0.00	7,500.0	2,714.2	1,528.2	3,071.0	0.00	0.00	
10,500.0	90.00	0.00	7,500.0	2,814.2	1,528.2	3,165.2	0.00	0.00	
10,600.0	90.00	0.00	7,500.0	2,914.2	1,528.2	3,259.3	0.00	0.00	
10,700.0	90.00	0.00	7,500.0	3,014.2	1,528.2	3,353.4	0.00	0.00	
10,800.0	90.00	0.00	7,500.0	3,114.2	1,528.2	3,447.5	0.00	0.00	
10,900.0	90.00	0.00	7,500.0	3,214.2	1,528.2	3,541.6	0.00	0.00	
11,000.0	90.00	0.00	7,500.0	3,314.2	1,528.2	3,635.7	0.00	0.00	
11,100.0	90.00	0.00	7,500.0	3,414.2	1,528.2	3,729.8	0.00	0.00	
11,200.0	90.00	0.00	7,500.0	3,514.2	1,528.2	3,823.9	0.00	0.00	
11,300.0	90.00	0.00	7,500.0	3,614.2	1,528.2	3,918.0	0.00	0.00	
11,400.0	90.00	0.00	7,500.0	3,714.2	1,528.2	4,012.1	0.00	0.00	
11,500.0	90.00	0.00	7,500.0	3,814.2	1,528.2	4,106.3	0.00	0.00	
11,600.0	90.00	0.00	7,500.0	3,914.2	1,528.2	4,200.4	0.00	0.00	
11,700.0	90.00	0.00	7,500.0	4,014.2	1,528.2	4,294.5	0.00	0.00	
11,800.0	90.00	0.00	7,500.0	4,114.2	1,528.2	4,388.6	0.00	0.00	
11,900.0	90.00	0.00	7,500.0	4,214.2	1,528.2	4,482.7	0.00	0.00	
11,939.2	90.00	0.00	7,500.0	4,253.3	1,528.2	4,519.5	0.00	0.00	TD at 11939.2 - HWY 4V PBHL NEW

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
HWY 4V PBHL NEW - hit/miss target - Shape - Point	0.00	0.00	7,500.0	4,253.3	1,528.2	1,280,016.56	3,134,539.69	40.101029	-105.019072

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
250.0	250.0	0.0	0.0	Start Build 2.00
400.0	399.9	-3.9	0.0	Start DLS 1.00 TFO -91.09
1,735.7	1,721.9	-70.3	155.0	Start 5195.2 hold at 1735.7 MD
6,930.8	6,770.8	-312.1	1,354.9	Start DLS 8.00 TFO -101.08
8,089.2	7,500.0	403.3	1,528.2	Start 3850.0 hold at 8089.2 MD
11,939.2	7,500.0	4,253.3	1,528.2	TD at 11939.2

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S32-T2N-R68W (File/Hwy 52) NEW

HWY 4V-32H-O268

OH

PLAN #1

Anticollision Report

09 June, 2015

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference	PLAN #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	6/9/2015		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,939.2	PLAN #1 (OH)	Geolink MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S32-T2N-R68W (File/Hwy 52)						
ANDERSON 21-32 - ENCANA WELL - NO SURVEYS						Out of range
ANDERSON 22-32 - KPK WELL - NO SURVEYS						Out of range
ANDERSON 22-32 AL - ENCANA - NO SURVEYS						Out of range
ANDERSON 31-32 - ENCANA WELL - PLAN ONLY						Out of range
ANDERSON 32-32 - ENCANA WELL - SURVEYS						Out of range
ANDERSON 32-7 - KPK WELL - NO SURVEYS						Out of range
ANDERSON 41-32 - ENCANA WELL - NO SURVEYS	11,900.0	7,392.0	106.7	12.9	1.138	Level 2, ES, SF
ANDERSON 41-32 - ENCANA WELL - NO SURVEYS	11,925.0	7,392.0	103.8	13.6	1.151	Level 2, CC
ANDERSON 4-2-32 - ENCANA WELL - SURVEYS						Out of range
ANDERSON 6-4-32 - ENCANA WELL - SURVEYS						Out of range
ANDERSON TRUST 1 - KPK WELL - NO SURVEYS						Out of range
ANDERSON TRUST 1 A - ENCANA WELL - NO SURVEYS						Out of range
ANDERSON TRUST 2 A - ENCANA WELL - NO SURVEYS						Out of range
ANDERSON TRUST 32-2 - ENCANA WELL - NO SURVEYS						Out of range
ANDERSON TRUST 32-8 - ENCANA WELL - NO SURVEYS	10,300.0	7,459.0	347.3	281.1	5.245	SF
ANDERSON TRUST 32-8 - ENCANA WELL - NO SURVEYS	10,361.9	7,459.0	341.7	278.3	5.386	CC, ES
ANDERSON TRUST C 1 - ENCANA WELL - GYRO	11,300.0	7,435.1	788.3	706.0	9.572	SF
ANDERSON TRUST C 1 - ENCANA WELL - GYRO	11,400.0	7,433.8	781.1	699.8	9.601	ES
ANDERSON TRUST C 1 - ENCANA WELL - GYRO	11,406.7	7,433.7	781.1	699.8	9.613	CC
ANDERSON TRUST C UNIT 2 - ENCANA WELL - NO SURVEYS						Out of range
BROWN 22-5 - ENCANA - SURVEYS						Out of range
BROWN 31-5 - ENCANA WELL - SURVEYS						Out of range
BROWN 41-5 - ENCANA WELL - ENCANA WELL	1,697.2	1,669.2	202.5	193.7	23.089	CC
BROWN 41-5 - ENCANA WELL - ENCANA WELL	1,700.0	1,671.8	202.5	193.7	23.065	ES
BROWN 41-5 - ENCANA WELL - ENCANA WELL	7,000.0	7,056.7	936.0	883.1	17.693	SF
BROWN 5-3 - ENCANA - SURVEYS						Out of range
BROWN 5-5 - ENCANA - SURVEYS						Out of range
BROWN C UNIT 1 - ENCANA WELL - NO SURVEYS						Out of range
BROWN C UNIT 2 - ENCANA - SURVEYS						Out of range
BULTHAUP 39-6 - KERR-MCGEE WELL - SURVEYS						Out of range
BULTHAUP 40-6 - KERR-MCGEE WELL - SURVEYS						Out of range
CANINO 1-X - ENCANA WELL - NO SURVEYS	5,230.6	5,034.0	479.6	452.1	17.418	CC, ES, SF
FEDERAL NOAA 11-32 - ENCANA - SURVEYS						Out of range
FOSTER 33-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER 43-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER 4-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER 4-6-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER 6-4-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER 6-4-5X - ENCANA WELL - SURVEYS						Out of range
FOSTER 6-8-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER 8-8-5 - ENCANA WELL - SURVEYS						Out of range
FOSTER E UNIT 1 - ENCANA WELL - NO SURVEYS						Out of range
GENE 11-5 - KERR-MCGEE - SURVEYS						Out of range
HIGHLAND 21-5 - KPK WELL - NO SURVEYS						Out of range
HOPE 31-5 - KPK WELL - NO SURVEYS						Out of range
LAURIE 32-5 - KPK WELL - NO SURVEYS						Out of range
NATALIE 33-5 - KPK WELL - NO SURVEYS						Out of range
NELSON 1 - TEXAS TEA WELL - NO SURVEYS						Out of range
NELSON 1 A - TEXAS TEA WELL - NO SURVEYS						Out of range
NELSON 2 - TEXAS TEA WELL - NO SURVEYS						Out of range
NELSON 3 - TEXAS TEA WELL - NO SURVEYS						Out of range
NELSON 4 - TEXAS TEA WELL - NO SURVEYS						Out of range
NELSON 5 - VESSELS WELL - NO SURVEYS						Out of range

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S32-T2N-R68W (File/Hwy 52)						
NELSON 5 TT - TEXAS TEA WELL - NO SURVEYS						Out of range
NELSON 6 - VESSELS WELL - NO SURVEYS						Out of range
NELSON E UNIT 1 - ENCANA - SURVEYS						Out of range
NELSON E UNIT 2 - ENCANA - SURVEYS	8,500.0	7,435.6	790.9	753.7	21.276	SF
NELSON E UNIT 2 - ENCANA - SURVEYS	8,639.1	7,439.6	778.6	742.8	21.781	CC, ES
PAQUETTE 13-5 - KERR-MCGEE - SURVEYS						Out of range
PAQUETTE 14-5 - KERR-MCGEE - SURVEYS						Out of range
RAY NELSON 0-4-32 - ENCANA - SURVEYS						Out of range
RAY NELSON 12-32 - ENCANA - SURVEYS						Out of range
RAY NELSON 13-32 - ENCANA WELL - SURVEYS						Out of range
RAY NELSON 14-32 - ENCANA WELL - SURVEYS						Out of range
RAY NELSON 23-32 - ENCANA WELL - NO SURVEYS						Out of range
RAY NELSON 24-32 - ENCANA WELL - SURVEYS						Out of range
RAY NELSON 2-4-32 - ENCANA - SURVEYS						Out of range
RAY NELSON 33-32 - ENCANA WELL - ENCANA WELL	1,085.5	1,068.0	307.9	303.9	76.855	CC
RAY NELSON 33-32 - ENCANA WELL - ENCANA WELL	1,100.0	1,080.4	307.9	303.9	75.739	ES
RAY NELSON 33-32 - ENCANA WELL - ENCANA WELL	1,800.0	1,688.7	398.8	391.5	54.201	SF
RAY NELSON 34-32 - ENCANA WELL - ENCANA WELL	1,220.9	1,209.1	31.3	26.7	6.808	CC, ES, SF
RAY NELSON 44-32 - ENCANA WELL - ENCANA WELL	7,750.0	7,543.0	238.0	197.0	5.811	SF
RAY NELSON 44-32 - ENCANA WELL - ENCANA WELL	7,899.0	7,597.6	197.4	169.3	7.022	CC, ES
RAY NELSON 4-4-32 - ENCANA WELL - SURVEYS						Out of range
RAY NELSON 4-6-32 - ENCANA WELL - SURVEYS						Out of range
RAY NELSON 4-8-32 - ENCANA WELL - PLAN ONLY	3,104.6	3,236.5	659.2	633.5	25.679	CC, ES
RAY NELSON 4-8-32 - ENCANA WELL - PLAN ONLY	3,500.0	3,568.4	693.4	664.4	23.943	SF
RAY NELSON 6-8-32 - ENCANA WELL - PLAN ONLY	4,937.7	4,972.9	257.8	229.7	9.199	CC, ES
RAY NELSON 6-8-32 - ENCANA WELL - PLAN ONLY	5,100.0	5,126.9	262.8	233.5	8.959	SF
RAY NELSON 7-8-32 - DD - Plan #1	4,018.1	3,978.5	125.7	110.6	8.295	CC
RAY NELSON 7-8-32 - DD - Plan #1	4,100.0	4,059.9	126.1	110.2	7.944	ES
RAY NELSON 7-8-32 - DD - Plan #1	5,200.0	5,153.1	181.2	148.4	5.533	SF
RAY NELSON 8-4-32 - ENCANA WELL - PLAN ONLY	9,662.7	7,657.7	330.7	269.4	5.397	CC
RAY NELSON 8-4-32 - ENCANA WELL - PLAN ONLY	9,700.0	7,657.7	332.8	266.6	5.028	ES
RAY NELSON 8-4-32 - ENCANA WELL - PLAN ONLY	9,800.0	7,657.7	358.1	282.3	4.726	SF
RAY NELSON 8-6-32 - ENCANA WELL - PLAN ONLY	8,424.3	7,567.6	333.7	300.3	9.982	CC, ES
RAY NELSON 8-6-32 - ENCANA WELL - PLAN ONLY	8,600.0	7,567.6	377.1	331.8	8.316	SF
RAY NELSON 8-8-32 - ENCANA WELL - SURVEYS	0.0	0.0	313.5			
RAY NELSON 8-8-32 - ENCANA WELL - SURVEYS	7,600.0	7,637.4	606.2	560.6	13.307	SF
SCHRINER 11-5 - KERR-MCGEE - SURVEYS						Out of range
SCHRINER 12-5 - KERR-MCGEE - SURVEYS						Out of range

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
S32-T2N-R68W (File/Hwy 52) NEW						
HWY 4A-32H-O268 - OH - PLAN #1	116.0	118.0	209.8	209.5	589.448	CC
HWY 4A-32H-O268 - OH - PLAN #1	200.0	201.9	209.8	209.2	323.262	ES
HWY 4A-32H-O268 - OH - PLAN #1	1,500.0	1,467.5	398.5	393.4	76.785	SF
HWY 4B-32H-O268 - OH - PLAN #1	250.0	251.0	200.1	199.2	243.356	CC
HWY 4B-32H-O268 - OH - PLAN #1	300.0	300.0	200.1	199.1	201.049	ES
HWY 4B-32H-O268 - OH - PLAN #1	1,500.0	1,476.7	362.0	356.8	69.534	SF
HWY 4C-32H-O268 - OH - PLAN #1	250.0	251.0	190.0	189.2	231.103	CC
HWY 4C-32H-O268 - OH - PLAN #1	300.0	300.0	190.0	189.0	190.927	ES
HWY 4C-32H-O268 - OH - PLAN #1	1,500.0	1,485.2	328.3	323.0	62.878	SF
HWY 4D-32H-O268 - OH - PLAN #1	250.0	251.0	179.9	179.1	218.850	CC
HWY 4D-32H-O268 - OH - PLAN #1	700.0	710.3	180.8	178.3	73.515	ES
HWY 4D-32H-O268 - OH - PLAN #1	1,600.0	1,606.4	254.0	248.3	45.301	SF
HWY 4E-32H-O268 - OH - PLAN #1	250.0	251.0	170.1	169.3	206.939	CC
HWY 4E-32H-O268 - OH - PLAN #1	600.0	606.8	170.7	168.6	81.646	ES
HWY 4E-32H-O268 - OH - PLAN #1	1,600.0	1,612.2	223.1	217.4	39.681	SF
HWY 4F-32H-O268 - OH - PLAN #1	116.3	117.3	160.0	159.7	450.247	CC
HWY 4F-32H-O268 - OH - PLAN #1	400.0	400.7	160.3	158.9	117.870	ES
HWY 4F-32H-O268 - OH - PLAN #1	7,650.0	7,474.9	904.2	876.7	32.847	SF
HWY 4G-32H-O268 - OH - PLAN #1	250.0	251.0	150.0	149.1	182.432	CC
HWY 4G-32H-O268 - OH - PLAN #1	400.0	400.9	150.0	148.7	110.820	ES
HWY 4G-32H-O268 - OH - PLAN #1	7,500.0	7,409.6	578.2	548.8	19.645	SF
HWY 4H-32H-O268 - OH - Plan #1	250.0	251.0	139.9	139.1	170.179	CC
HWY 4H-32H-O268 - OH - Plan #1	400.0	400.9	140.0	138.6	103.382	ES
HWY 4H-32H-O268 - OH - Plan #1	7,750.0	7,524.3	492.2	460.0	15.288	SF
HWY 4I-32H-O268 - OH - PLAN #1	250.0	250.0	130.1	129.3	158.603	CC
HWY 4I-32H-O268 - OH - PLAN #1	400.0	399.9	130.2	128.8	96.288	ES
HWY 4I-32H-O268 - OH - PLAN #1	7,600.0	7,500.0	296.0	260.4	8.313	SF
HWY 4J-32H-O268 - OH - PLAN #1	250.0	250.0	120.0	119.2	146.324	CC
HWY 4J-32H-O268 - OH - PLAN #1	7,450.0	7,536.0	129.3	96.7	3.969	SF
HWY 4J-32H-O268 - OH - PLAN #1	7,496.8	7,537.8	120.6	93.7	4.486	ES
HWY 4K-32H-O268 - OH - PLAN #1	200.0	200.0	110.0	109.3	170.274	CC
HWY 4K-32H-O268 - OH - PLAN #1	300.0	299.9	110.0	109.0	110.141	ES
HWY 4K-32H-O268 - OH - PLAN #1	7,350.0	7,382.6	415.3	364.7	8.212	SF
HWY 4L-32H-O268 - OH - PLAN #1	250.0	250.0	99.9	99.1	121.768	CC
HWY 4L-32H-O268 - OH - PLAN #1	400.0	399.9	100.0	98.6	73.951	ES
HWY 4L-32H-O268 - OH - PLAN #1	1,000.0	994.5	139.1	135.7	39.821	SF
HWY 4M-32H-O268 - OH - PLAN #1	250.0	250.0	90.1	89.3	109.831	CC
HWY 4M-32H-O268 - OH - PLAN #1	400.0	399.9	90.2	88.9	66.718	ES
HWY 4M-32H-O268 - OH - PLAN #1	1,000.0	996.0	128.1	124.6	36.686	SF
HWY 4N-32H-O268 - OH - PLAN #1	250.0	250.0	80.0	79.2	97.549	CC
HWY 4N-32H-O268 - OH - PLAN #1	400.0	399.9	80.1	78.8	59.264	ES
HWY 4N-32H-O268 - OH - PLAN #1	1,000.0	998.0	116.7	113.2	33.160	SF
HWY 4O-32H-O268 - OH - PLAN #1	250.0	250.0	69.9	69.1	85.270	CC
HWY 4O-32H-O268 - OH - PLAN #1	400.0	399.9	70.1	68.7	51.826	ES
HWY 4O-32H-O268 - OH - PLAN #1	1,200.0	1,201.1	117.2	113.0	27.442	SF
HWY 4P-32H-O268 - OH - PLAN #1	250.0	250.0	59.9	59.1	72.992	CC
HWY 4P-32H-O268 - OH - PLAN #1	400.0	399.9	60.0	58.7	44.396	ES
HWY 4P-32H-O268 - OH - PLAN #1	1,200.0	1,203.4	95.7	91.4	22.486	SF
HWY 4Q-32H-O268 - OH - PLAN #1	250.0	250.0	50.1	49.3	61.054	CC
HWY 4Q-32H-O268 - OH - PLAN #1	400.0	399.9	50.3	48.9	37.176	ES
HWY 4Q-32H-O268 - OH - PLAN #1	11,939.2	11,828.7	989.9	835.5	6.410	SF
HWY 4R-32H-O268 - OH - PLAN #1	250.0	250.0	40.0	39.2	48.776	CC
HWY 4R-32H-O268 - OH - PLAN #1	400.0	399.9	40.2	38.9	29.760	ES

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
S32-T2N-R68W (File/Hwy 52) NEW						
HWY 4R-32H-O268 - OH - PLAN #1	11,900.0	11,857.5	826.2	669.9	5.287	SF
HWY 4S-32H-O268 - OH - PLAN #1	250.0	250.0	29.9	29.1	36.498	CC
HWY 4S-32H-O268 - OH - PLAN #1	400.0	399.9	30.2	28.9	22.367	ES
HWY 4S-32H-O268 - OH - PLAN #1	11,939.2	11,872.7	660.0	505.1	4.260	SF
HWY 4T-32H-O268 - OH - PLAN #1	250.0	250.0	19.9	19.0	24.222	CC
HWY 4T-32H-O268 - OH - PLAN #1	400.0	400.1	20.1	18.8	14.878	ES
HWY 4T-32H-O268 - OH - PLAN #1	11,939.2	11,907.9	330.0	174.6	2.124	SF
HWY 4U-32H-O268 - OH - PLAN #1	209.8	209.8	10.1	9.4	14.805	CC
HWY 4U-32H-O268 - OH - PLAN #1	400.0	399.9	10.5	9.1	7.658	ES
HWY 4U-32H-O268 - OH - PLAN #1	11,939.2	11,959.2	165.0	10.2	1.066	Level 2, SF
HWY 4W-32H-O268 - OH - PLAN #1	200.0	200.0	10.1	9.4	15.598	CC, ES
HWY 4W-32H-O268 - OH - PLAN #1	11,939.2	11,834.9	337.6	185.3	2.217	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 8170-Geolink 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)					
11,000.0	7,500.0	7,392.0	7,392.0	67.0	12.9	-90.00	4,239.2	1,424.4	930.8	879.5	51.33	18.133			
11,100.0	7,500.0	7,392.0	7,392.0	68.6	12.9	-90.00	4,239.2	1,424.4	831.5	779.3	52.23	15.921			
11,200.0	7,500.0	7,392.0	7,392.0	70.1	12.9	-90.00	4,239.2	1,424.4	732.4	679.1	53.34	13.730			
11,300.0	7,500.0	7,392.0	7,392.0	71.7	12.9	-90.00	4,239.2	1,424.4	633.6	578.8	54.78	11.566			
11,400.0	7,500.0	7,392.0	7,392.0	73.3	12.9	-90.00	4,239.2	1,424.4	535.2	478.5	56.71	9.437			
11,500.0	7,500.0	7,392.0	7,392.0	74.9	12.9	-90.00	4,239.2	1,424.4	437.5	378.1	59.45	7.359			
11,600.0	7,500.0	7,392.0	7,392.0	76.5	12.9	-90.00	4,239.2	1,424.4	341.2	277.6	63.62	5.363			
11,700.0	7,500.0	7,392.0	7,392.0	78.1	12.9	-90.00	4,239.2	1,424.4	247.8	177.2	70.55	3.512			
11,800.0	7,500.0	7,392.0	7,392.0	79.8	12.9	-90.00	4,239.2	1,424.4	162.5	79.7	82.81	1.962			
11,900.0	7,500.0	7,392.0	7,392.0	81.4	12.9	-90.00	4,239.2	1,424.4	106.7	12.9	93.81	1.138 Level 2, ES, SF			
11,925.0	7,500.0	7,392.0	7,392.0	81.8	12.9	-90.00	4,239.2	1,424.4	103.8	13.6	90.13	1.151 Level 2, CC			
11,939.2	7,500.0	7,392.0	7,392.0	82.0	12.9	-90.00	4,239.2	1,424.4	104.7	18.5	86.21	1.215 Level 2			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - ANDERSON TRUST 32-8 - ENCANA WELL - NO SURVEYS													Offset Well Error:	0.0 ft
Survey Program: 7765-Geolink MWD														
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	
9,500.0	7,500.0	7,459.0	7,459.0	45.1	13.0	-90.00	2,676.1	1,186.4	927.2	873.5	53.64	17.286		
9,600.0	7,500.0	7,459.0	7,459.0	46.4	13.0	-90.00	2,676.1	1,186.4	835.0	779.9	55.11	15.152		
9,700.0	7,500.0	7,459.0	7,459.0	47.8	13.0	-90.00	2,676.1	1,186.4	744.9	688.1	56.84	13.106		
9,800.0	7,500.0	7,459.0	7,459.0	49.1	13.0	-90.00	2,676.1	1,186.4	657.7	598.8	58.87	11.171		
9,900.0	7,500.0	7,459.0	7,459.0	50.5	13.0	-90.00	2,676.1	1,186.4	574.6	513.4	61.22	9.386		
10,000.0	7,500.0	7,459.0	7,459.0	51.9	13.0	-90.00	2,676.1	1,186.4	497.7	434.0	63.79	7.803		
10,100.0	7,500.0	7,459.0	7,459.0	53.4	13.0	-90.00	2,676.1	1,186.4	430.6	364.3	66.22	6.502		
10,200.0	7,500.0	7,459.0	7,459.0	54.8	13.0	-90.00	2,676.1	1,186.4	378.1	310.6	67.57	5.596		
10,300.0	7,500.0	7,459.0	7,459.0	56.3	13.0	-90.00	2,676.1	1,186.4	347.3	281.1	66.22	5.245 SF		
10,361.9	7,500.0	7,459.0	7,459.0	57.2	13.0	-90.00	2,676.1	1,186.4	341.7	278.3	63.45	5.386 CC, ES		
10,400.0	7,500.0	7,459.0	7,459.0	57.8	13.0	-90.00	2,676.1	1,186.4	343.9	282.8	61.04	5.634		
10,500.0	7,500.0	7,459.0	7,459.0	59.3	13.0	-90.00	2,676.1	1,186.4	368.6	315.4	53.21	6.927		
10,600.0	7,500.0	7,459.0	7,459.0	60.8	13.0	-90.00	2,676.1	1,186.4	416.5	371.1	45.44	9.167		
10,700.0	7,500.0	7,459.0	7,459.0	62.3	13.0	-90.00	2,676.1	1,186.4	480.7	441.3	39.45	12.186		
10,800.0	7,500.0	7,459.0	7,459.0	63.9	13.0	-90.00	2,676.1	1,186.4	555.6	520.0	35.58	15.616		
10,900.0	7,500.0	7,459.0	7,459.0	65.4	13.0	-90.00	2,676.1	1,186.4	637.4	604.0	33.46	19.051		
11,000.0	7,500.0	7,459.0	7,459.0	67.0	13.0	-90.00	2,676.1	1,186.4	723.8	691.3	32.54	22.244		
11,100.0	7,500.0	7,459.0	7,459.0	68.6	13.0	-90.00	2,676.1	1,186.4	813.4	781.0	32.35	25.145		
11,200.0	7,500.0	7,459.0	7,459.0	70.1	13.0	-90.00	2,676.1	1,186.4	905.1	872.5	32.55	27.805		
11,300.0	7,500.0	7,459.0	7,459.0	71.7	13.0	-90.00	2,676.1	1,186.4	998.4	965.5	32.95	30.297		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - ANDERSON TRUST C 1 - ENCANA WELL - GYRO													Offset Well Error:	0.0 ft
Survey Program: 100-Geolink MWD														
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		
10,800.0	7,500.0	7,442.5	7,440.8	63.9	13.1	-89.84	3,720.8	747.0	989.0	913.3	75.72	13.061		
10,900.0	7,500.0	7,440.9	7,439.3	65.4	13.1	-89.73	3,720.8	747.1	931.0	853.1	77.94	11.945		
11,000.0	7,500.0	7,439.4	7,437.8	67.0	13.1	-89.62	3,720.8	747.1	880.6	800.7	79.93	11.018		
11,100.0	7,500.0	7,438.0	7,436.3	68.6	13.1	-89.51	3,720.8	747.1	839.1	757.7	81.47	10.300		
11,200.0	7,500.0	7,436.5	7,434.9	70.1	13.1	-89.40	3,720.9	747.1	808.0	725.6	82.35	9.811		
11,300.0	7,500.0	7,435.1	7,433.5	71.7	13.1	-89.30	3,720.9	747.2	788.3	706.0	82.36	9.572 SF		
11,400.0	7,500.0	7,433.8	7,432.1	73.3	13.1	-89.20	3,720.9	747.2	781.1	699.8	81.36	9.601 ES		
11,406.7	7,500.0	7,433.7	7,432.0	73.4	13.1	-89.19	3,720.9	747.2	781.1	699.8	81.25	9.613 CC		
11,500.0	7,500.0	7,432.4	7,430.8	74.9	13.1	-89.10	3,720.9	747.2	786.6	707.3	79.35	9.914		
11,600.0	7,500.0	7,431.1	7,429.5	76.5	13.1	-89.01	3,720.9	747.2	804.6	728.2	76.47	10.522		
11,700.0	7,500.0	7,429.8	7,428.2	78.1	13.1	-88.91	3,721.0	747.2	834.3	761.3	73.00	11.430		
11,800.0	7,500.0	7,428.6	7,426.9	79.8	13.1	-88.82	3,721.0	747.2	874.5	805.3	69.20	12.638		
11,900.0	7,500.0	7,427.4	7,425.7	81.4	13.1	-88.73	3,721.0	747.3	923.8	858.4	65.34	14.139		
11,939.2	7,500.0	7,426.9	7,425.2	82.0	13.1	-88.70	3,721.0	747.3	945.3	881.4	63.85	14.805		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - BROWN 41-5 - ENCANA WELL - ENCANA WELL													Offset Site Error:	0.0 ft
Survey Program: 41-Geolink 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	49.02	202.9	233.6	309.6					
100.0	100.0	88.9	88.9	0.1	0.1	49.10	202.9	234.2	309.9	309.6	0.28	1,116.841		
200.0	200.0	188.6	188.6	0.3	0.3	49.23	202.9	235.3	310.6	310.0	0.63	495.746		
250.0	250.0	238.9	238.9	0.4	0.4	49.32	202.7	235.9	311.0	310.2	0.80	387.788		
300.0	300.0	289.8	289.8	0.5	0.5	-130.65	202.6	236.4	311.6	310.6	0.98	318.396		
400.0	399.9	399.6	399.6	0.7	0.7	-130.82	200.3	236.6	312.7	311.3	1.35	230.918		
500.0	499.8	508.1	507.8	0.9	0.9	-112.31	193.6	236.4	311.2	309.5	1.75	178.291		
600.0	599.6	617.6	616.7	1.1	1.2	-96.22	181.3	236.8	305.6	303.4	2.18	140.071		
700.0	699.4	722.6	720.2	1.3	1.5	-83.47	164.2	237.8	295.8	293.1	2.67	110.922		
800.0	799.1	818.0	814.1	1.5	1.8	-73.79	147.0	239.9	284.8	281.6	3.17	89.832		
900.0	898.6	916.3	910.5	1.7	2.1	-66.11	128.7	243.8	273.5	269.7	3.73	73.390		
1,000.0	998.0	1,018.4	1,010.3	1.9	2.5	-59.47	107.7	248.7	260.6	256.3	4.36	59.777		
1,100.0	1,097.3	1,116.6	1,105.2	2.2	3.0	-52.88	83.2	255.1	245.9	240.8	5.08	48.443		
1,200.0	1,196.3	1,208.3	1,193.2	2.5	3.5	-46.41	58.8	263.4	232.1	226.3	5.81	39.965		
1,300.0	1,295.1	1,299.7	1,280.4	2.8	4.0	-39.76	33.9	274.6	220.5	214.0	6.55	33.676		
1,400.0	1,393.6	1,390.6	1,367.0	3.1	4.4	-33.15	9.8	288.4	212.0	204.8	7.24	29.294		
1,500.0	1,491.8	1,483.0	1,454.6	3.5	4.9	-26.49	-14.2	305.1	206.8	199.0	7.86	26.306		
1,600.0	1,589.7	1,577.9	1,544.2	3.8	5.5	-19.54	-39.3	324.0	203.6	195.2	8.39	24.272		
1,697.2	1,684.5	1,669.2	1,630.3	4.2	6.0	-13.11	-62.6	343.5	202.5	193.7	8.77	23.089 CC		
1,700.0	1,687.2	1,671.8	1,632.7	4.2	6.0	-12.93	-63.3	344.0	202.5	193.7	8.78	23.065 ES		
1,735.7	1,721.9	1,705.0	1,663.8	4.4	6.2	-10.59	-71.9	351.6	202.7	193.8	8.88	22.819		
1,800.0	1,784.4	1,765.2	1,720.0	4.7	6.6	-6.82	-88.0	365.9	204.2	195.2	9.04	22.604		
1,900.0	1,881.6	1,862.7	1,810.4	5.1	7.3	-0.38	-116.1	389.5	209.7	200.5	9.21	22.781		
2,000.0	1,978.8	1,959.0	1,899.5	5.5	7.9	5.93	-144.9	412.0	217.3	208.1	9.25	23.499		
2,100.0	2,075.9	2,059.3	1,992.9	6.0	8.6	11.23	-171.9	436.4	227.1	217.8	9.33	24.333		
2,200.0	2,173.1	2,153.1	2,080.5	6.4	9.2	15.69	-196.8	459.3	238.4	229.0	9.41	25.352		
2,300.0	2,270.3	2,252.5	2,173.0	6.8	9.8	19.92	-223.3	484.1	251.7	242.2	9.54	26.379		
2,400.0	2,367.5	2,351.4	2,265.4	7.3	10.4	23.41	-248.1	508.9	265.4	255.6	9.74	27.237		
2,500.0	2,464.7	2,450.7	2,358.2	7.7	11.1	26.75	-273.8	533.3	280.1	270.1	10.01	27.995		
2,600.0	2,561.9	2,555.7	2,457.0	8.2	11.7	30.27	-300.8	556.4	293.5	283.1	10.37	28.292		
2,700.0	2,659.1	2,651.9	2,547.9	8.6	12.3	33.44	-325.8	575.9	306.7	296.0	10.74	28.550		
2,800.0	2,756.2	2,736.7	2,627.3	9.1	12.9	36.00	-349.0	594.3	323.0	311.9	11.11	29.076		
2,900.0	2,853.4	2,824.4	2,708.2	9.5	13.5	38.59	-376.2	614.6	344.0	332.4	11.58	29.712		
3,000.0	2,950.6	2,918.6	2,794.5	10.0	14.2	40.98	-406.2	637.5	367.0	354.8	12.17	30.152		
3,100.0	3,047.8	3,023.2	2,890.6	10.4	15.0	43.25	-438.6	662.9	389.9	377.0	12.91	30.195		
3,200.0	3,145.0	3,125.7	2,985.7	10.9	15.6	45.43	-469.3	685.5	411.2	397.5	13.70	30.016		
3,300.0	3,242.2	3,219.0	3,072.5	11.3	16.3	47.27	-497.2	705.6	432.5	418.1	14.46	29.910		
3,400.0	3,339.4	3,303.4	3,150.4	11.8	16.9	48.89	-524.3	723.8	456.3	441.1	15.19	30.034		
3,500.0	3,436.5	3,398.9	3,237.7	12.2	17.6	50.64	-556.7	744.4	482.3	466.2	16.06	30.025		
3,600.0	3,533.7	3,519.0	3,349.2	12.7	18.4	52.56	-594.0	769.2	505.5	488.3	17.16	29.455		
3,700.0	3,630.9	3,645.6	3,468.7	13.1	19.1	54.36	-628.1	793.4	524.5	506.3	18.27	28.706		
3,800.0	3,728.1	3,796.3	3,614.5	13.6	19.7	56.95	-660.2	812.6	536.2	516.7	19.56	27.410		
3,900.0	3,825.3	3,897.0	3,713.4	14.0	20.1	58.80	-677.1	821.8	542.8	522.1	20.65	26.286		
4,000.0	3,922.5	4,005.2	3,819.6	14.5	20.5	60.59	-694.3	832.9	549.4	527.6	21.77	25.236		
4,100.0	4,019.6	4,115.7	3,928.5	14.9	20.9	62.18	-708.5	845.3	553.7	530.8	22.87	24.212		
4,200.0	4,116.8	4,204.1	4,015.6	15.4	21.2	63.37	-719.7	855.8	558.4	534.5	23.89	23.374		
4,300.0	4,214.0	4,288.7	4,098.5	15.8	21.5	64.45	-732.6	866.7	566.1	541.2	24.89	22.746		
4,400.0	4,311.2	4,372.3	4,180.0	16.3	21.9	65.43	-747.0	878.5	576.3	550.4	25.86	22.289		
4,500.0	4,408.4	4,466.6	4,271.3	16.7	22.4	66.43	-765.6	893.0	589.4	562.5	26.87	21.939		
4,600.0	4,505.6	4,580.1	4,381.5	17.2	22.9	67.50	-785.7	910.8	600.8	572.8	27.95	21.492		
4,700.0	4,602.8	4,659.1	4,458.4	17.7	23.2	68.28	-799.9	922.6	612.6	583.7	28.87	21.217		
4,800.0	4,699.9	4,740.5	4,536.7	18.1	23.7	69.00	-817.4	935.8	628.1	598.3	29.78	21.093		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - BROWN 41-5 - ENCANA WELL - ENCANA WELL													Offset Well Error:	0.0 ft
Survey Program: 41-Geolink MWD														
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	
4,900.0	4,797.1	4,820.1	4,612.7	18.6	24.1	69.53	-836.1	950.4	646.1	615.5	30.61	21.105		
5,000.0	4,894.3	4,898.1	4,686.3	19.0	24.6	69.92	-856.6	966.2	667.3	635.9	31.37	21.271		
5,100.0	4,991.5	4,991.2	4,773.7	19.5	25.2	70.47	-883.3	983.8	690.8	658.5	32.27	21.406		
5,200.0	5,088.7	5,090.8	4,867.8	19.9	25.8	71.22	-911.3	1,000.3	713.5	680.2	33.28	21.442		
5,300.0	5,185.9	5,198.7	4,970.1	20.4	26.4	72.10	-941.6	1,016.8	736.1	701.8	34.38	21.409		
5,400.0	5,283.0	5,302.0	5,068.4	20.8	27.0	72.84	-968.9	1,033.0	757.3	721.8	35.44	21.365		
5,500.0	5,380.2	5,385.2	5,147.2	21.3	27.5	73.30	-991.5	1,047.5	779.3	743.0	36.28	21.481		
5,600.0	5,477.4	5,520.1	5,275.8	21.8	28.2	74.10	-1,025.3	1,069.6	799.0	761.5	37.57	21.269		
5,700.0	5,574.6	5,638.0	5,389.5	22.2	28.8	74.91	-1,051.7	1,086.7	816.3	777.6	38.71	21.090		
5,800.0	5,671.8	5,760.4	5,508.7	22.7	29.3	75.95	-1,075.3	1,101.0	830.3	790.4	39.90	20.813		
5,900.0	5,769.0	5,854.1	5,600.3	23.1	29.7	76.82	-1,092.9	1,110.3	844.0	803.1	40.91	20.633		
6,000.0	5,866.2	5,950.3	5,694.5	23.6	30.0	77.86	-1,111.2	1,117.3	858.3	816.3	41.95	20.460		
6,100.0	5,963.3	6,034.8	5,777.3	24.0	30.4	78.92	-1,127.6	1,120.8	873.3	830.4	42.94	20.339		
6,200.0	6,060.5	6,157.1	5,896.9	24.5	30.8	80.40	-1,152.4	1,125.8	889.9	845.7	44.22	20.127		
6,300.0	6,157.7	6,320.6	6,058.3	24.9	31.3	82.17	-1,175.9	1,135.3	900.7	855.1	45.65	19.732		
6,400.0	6,254.9	6,435.0	6,172.2	25.4	31.5	83.46	-1,186.4	1,141.0	906.6	859.9	46.77	19.386		
6,500.0	6,352.1	6,535.3	6,271.9	25.9	31.7	84.53	-1,195.0	1,147.0	912.2	864.4	47.84	19.067		
6,600.0	6,449.3	6,648.6	6,384.4	26.3	32.0	85.55	-1,204.9	1,156.4	918.1	869.2	48.90	18.775		
6,700.0	6,546.4	6,771.0	6,506.1	26.8	32.3	86.67	-1,211.5	1,166.6	920.7	870.7	49.95	18.431		
6,800.0	6,643.6	6,853.3	6,588.1	27.2	32.5	87.44	-1,215.9	1,173.0	923.7	872.7	50.93	18.136		
6,900.0	6,740.8	6,947.3	6,681.7	27.7	32.6	88.39	-1,222.1	1,179.0	928.3	876.3	51.92	17.879		
6,930.8	6,770.8	6,980.6	6,714.9	27.8	32.7	88.74	-1,224.2	1,180.8	929.7	877.5	52.23	17.801		
6,950.0	6,789.4	7,001.9	6,736.1	27.9	32.7	95.31	-1,225.5	1,182.0	930.9	878.4	52.42	17.757		
7,000.0	6,838.0	7,056.7	6,790.8	28.1	32.8	112.59	-1,228.4	1,184.6	936.0	883.1	52.90	17.693 SF		
7,050.0	6,886.5	7,110.1	6,844.1	28.3	32.9	128.07	-1,231.0	1,186.9	944.3	891.0	53.35	17.701		
7,100.0	6,934.6	7,161.5	6,895.4	28.5	33.0	140.45	-1,233.2	1,189.1	955.9	902.1	53.75	17.782		
7,150.0	6,982.0	7,211.3	6,945.1	28.7	33.1	149.89	-1,235.2	1,191.1	970.6	916.5	54.12	17.935		
7,200.0	7,028.5	7,259.9	6,993.6	28.8	33.1	157.09	-1,237.0	1,192.9	988.5	934.0	54.44	18.157		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - CANINO 1-X - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 5034-Geolink 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)				
2,300.0	2,270.3	2,234.3	2,234.3	6.8	3.9	-26.60	152.3	1,243.6	990.1	981.3	8.89	111.438		
2,400.0	2,367.5	2,331.5	2,331.5	7.3	4.1	-27.22	152.3	1,243.6	969.0	959.7	9.34	103.780		
2,500.0	2,464.7	2,428.7	2,428.7	7.7	4.2	-27.87	152.3	1,243.6	948.0	938.2	9.80	96.766		
2,600.0	2,561.9	2,525.9	2,525.9	8.2	4.4	-28.54	152.3	1,243.6	927.1	916.8	10.26	90.320		
2,700.0	2,659.1	2,623.1	2,623.1	8.6	4.6	-29.25	152.3	1,243.6	906.3	895.6	10.74	84.379		
2,800.0	2,756.2	2,720.2	2,720.2	9.1	4.7	-29.99	152.3	1,243.6	885.7	874.5	11.23	78.890		
2,900.0	2,853.4	2,817.4	2,817.4	9.5	4.9	-30.77	152.3	1,243.6	865.2	853.5	11.72	73.806		
3,000.0	2,950.6	2,914.6	2,914.6	10.0	5.1	-31.58	152.3	1,243.6	844.9	832.7	12.23	69.087		
3,100.0	3,047.8	3,011.8	3,011.8	10.4	5.3	-32.43	152.3	1,243.6	824.8	812.0	12.75	64.699		
3,200.0	3,145.0	3,109.0	3,109.0	10.9	5.4	-33.32	152.3	1,243.6	804.8	791.6	13.28	60.613		
3,300.0	3,242.2	3,206.2	3,206.2	11.3	5.6	-34.26	152.3	1,243.6	785.1	771.3	13.82	56.801		
3,400.0	3,339.4	3,303.4	3,303.4	11.8	5.8	-35.24	152.3	1,243.6	765.5	751.2	14.38	53.241		
3,500.0	3,436.5	3,400.5	3,400.5	12.2	5.9	-36.27	152.3	1,243.6	746.2	731.3	14.95	49.914		
3,600.0	3,533.7	3,497.7	3,497.7	12.7	6.1	-37.36	152.3	1,243.6	727.2	711.6	15.54	46.800		
3,700.0	3,630.9	3,594.9	3,594.9	13.1	6.3	-38.50	152.3	1,243.6	708.4	692.3	16.14	43.886		
3,800.0	3,728.1	3,692.1	3,692.1	13.6	6.4	-39.71	152.3	1,243.6	689.9	673.1	16.76	41.157		
3,900.0	3,825.3	3,789.3	3,789.3	14.0	6.6	-40.98	152.3	1,243.6	671.7	654.3	17.40	38.600		
4,000.0	3,922.5	3,886.5	3,886.5	14.5	6.8	-42.31	152.3	1,243.6	653.9	635.9	18.06	36.206		
4,100.0	4,019.6	3,983.6	3,983.6	14.9	7.0	-43.72	152.3	1,243.6	636.5	617.7	18.74	33.965		
4,200.0	4,116.8	4,080.8	4,080.8	15.4	7.1	-45.21	152.3	1,243.6	619.4	600.0	19.44	31.867		
4,300.0	4,214.0	4,178.0	4,178.0	15.8	7.3	-46.77	152.3	1,243.6	602.8	582.6	20.16	29.906		
4,400.0	4,311.2	4,275.2	4,275.2	16.3	7.5	-48.42	152.3	1,243.6	586.7	565.8	20.90	28.075		
4,500.0	4,408.4	4,372.4	4,372.4	16.7	7.6	-50.16	152.3	1,243.6	571.0	549.4	21.66	26.368		
4,600.0	4,505.6	4,469.6	4,469.6	17.2	7.8	-52.00	152.3	1,243.6	556.0	533.5	22.44	24.779		
4,700.0	4,602.8	4,566.8	4,566.8	17.7	8.0	-53.92	152.3	1,243.6	541.5	518.3	23.24	23.304		
4,800.0	4,699.9	4,663.9	4,663.9	18.1	8.1	-55.95	152.3	1,243.6	527.7	503.7	24.06	21.938		
4,900.0	4,797.1	4,761.1	4,761.1	18.6	8.3	-58.08	152.3	1,243.6	514.6	489.8	24.89	20.677		
5,000.0	4,894.3	4,858.3	4,858.3	19.0	8.5	-60.32	152.3	1,243.6	502.3	476.6	25.74	19.518		
5,100.0	4,991.5	4,955.5	4,955.5	19.5	8.6	-62.65	152.3	1,243.6	490.8	464.2	26.59	18.458		
5,200.0	5,088.7	5,034.0	5,034.0	19.9	8.8	-64.62	152.3	1,243.6	480.6	453.2	27.41	17.532		
5,230.6	5,118.4	5,034.0	5,034.0	20.1	8.8	-64.62	152.3	1,243.6	479.6	452.1	27.53	17.418	CC, ES, SF	
5,300.0	5,185.9	5,034.0	5,034.0	20.4	8.8	-64.62	152.3	1,243.6	484.6	457.1	27.47	17.639		
5,400.0	5,283.0	5,034.0	5,034.0	20.8	8.8	-64.62	152.3	1,243.6	508.6	482.0	26.64	19.089		
5,500.0	5,380.2	5,034.0	5,034.0	21.3	8.8	-64.62	152.3	1,243.6	550.1	524.8	25.25	21.782		
5,600.0	5,477.4	5,034.0	5,034.0	21.8	8.8	-64.62	152.3	1,243.6	605.3	581.7	23.66	25.580		
5,700.0	5,574.6	5,034.0	5,034.0	22.2	8.8	-64.62	152.3	1,243.6	671.1	648.9	22.13	30.322		
5,800.0	5,671.8	5,034.0	5,034.0	22.7	8.8	-64.62	152.3	1,243.6	744.4	723.7	20.77	35.844		
5,900.0	5,769.0	5,034.0	5,034.0	23.1	8.8	-64.62	152.3	1,243.6	823.5	803.8	19.61	41.991		
6,000.0	5,866.2	5,034.0	5,034.0	23.6	8.8	-64.62	152.3	1,243.6	906.6	888.0	18.65	48.622		
6,100.0	5,963.3	5,034.0	5,034.0	24.0	8.8	-64.62	152.3	1,243.6	992.9	975.0	17.85	55.616		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - NELSON E UNIT 2 - ENCANA - SURVEYS													Offset Well Error:	0.0 ft
Survey Program: 100-Geolink MWD														
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		
8,050.0	7,499.0	7,421.3	7,419.4	31.5	13.2	-85.39	952.7	750.1	975.9	937.0	38.89	25.097		
8,089.2	7,500.0	7,423.5	7,421.7	31.7	13.2	-87.69	952.8	750.1	953.1	914.2	38.89	24.507		
8,100.0	7,500.0	7,423.8	7,422.0	31.7	13.2	-87.72	952.8	750.1	946.9	908.0	38.89	24.349		
8,200.0	7,500.0	7,426.8	7,425.0	32.3	13.2	-87.94	952.9	750.0	893.8	855.0	38.77	23.051		
8,300.0	7,500.0	7,429.8	7,427.9	32.9	13.2	-88.15	952.9	749.9	849.1	810.7	38.47	22.072		
8,400.0	7,500.0	7,432.7	7,430.9	33.6	13.2	-88.37	953.0	749.9	814.4	776.5	37.94	21.464		
8,500.0	7,500.0	7,435.6	7,433.8	34.3	13.2	-88.58	953.1	749.8	790.9	753.7	37.17	21.276 SF		
8,600.0	7,500.0	7,438.5	7,436.7	35.2	13.2	-88.80	953.2	749.8	779.6	743.4	36.18	21.548		
8,639.1	7,500.0	7,439.6	7,437.8	35.5	13.2	-88.88	953.2	749.8	778.6	742.8	35.75	21.781 CC, ES		
8,700.0	7,500.0	7,441.4	7,439.5	36.1	13.2	-89.01	953.3	749.7	781.0	745.9	35.03	22.297		
8,800.0	7,500.0	7,444.2	7,442.4	37.0	13.2	-89.22	953.3	749.7	795.0	761.2	33.82	23.505		
8,900.0	7,500.0	7,447.0	7,445.2	38.0	13.2	-89.42	953.4	749.6	821.1	788.4	32.69	25.120		
9,000.0	7,500.0	7,449.8	7,448.0	39.1	13.2	-89.63	953.5	749.6	858.1	826.4	31.72	27.055		
9,100.0	7,500.0	7,452.6	7,450.8	40.2	13.3	-89.84	953.6	749.5	904.7	873.7	30.97	29.210		
9,200.0	7,500.0	7,455.4	7,453.5	41.4	13.3	-90.04	953.7	749.4	959.5	929.0	30.47	31.491		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - RAY NELSON 33-32 - ENCANA WELL - ENCANA WELL													Offset Well Error:	0.0 ft
Survey Program: 926-Geolink MWD														
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	44.21	225.2	219.1	314.3					
100.0	100.0	92.7	92.7	0.1	0.2	44.21	225.1	219.0	314.0	313.7	0.31	1,020.998		
200.0	200.0	193.5	193.5	0.3	0.3	44.21	224.9	218.7	313.7	313.0	0.66	478.788		
250.0	250.0	243.9	243.9	0.4	0.4	44.20	224.7	218.5	313.4	312.6	0.83	378.089		
276.4	276.4	270.5	270.5	0.5	0.5	-135.81	224.6	218.4	313.4	312.4	0.92	340.298		
300.0	300.0	294.3	294.3	0.5	0.5	-135.86	224.5	218.3	313.4	312.4	1.00	312.511		
400.0	399.9	395.0	395.0	0.7	0.7	-136.29	223.9	217.6	315.1	313.7	1.35	232.651		
500.0	499.8	495.6	495.6	0.9	0.9	-118.54	223.2	216.8	317.2	315.5	1.71	185.266		
600.0	599.6	596.3	596.2	1.1	1.0	-104.07	222.3	215.8	317.9	315.9	2.08	153.018		
700.0	699.4	696.8	696.8	1.3	1.2	-93.81	221.2	214.6	317.4	314.9	2.45	129.387		
800.0	799.1	797.2	797.2	1.5	1.4	-87.05	220.0	213.2	315.6	312.7	2.84	111.155		
900.0	898.6	897.5	897.4	1.7	1.6	-82.84	218.6	211.7	312.6	309.4	3.24	96.553		
1,000.0	998.0	992.9	992.8	1.9	1.7	-80.52	218.0	209.7	309.3	305.6	3.65	84.755		
1,085.5	1,082.9	1,068.0	1,067.9	2.2	1.9	-79.75	219.9	207.6	307.9	303.9	4.01	76.855 CC		
1,100.0	1,097.3	1,080.4	1,080.3	2.2	1.9	-79.70	220.4	207.4	307.9	303.9	4.07	75.739 ES		
1,200.0	1,196.3	1,166.8	1,166.4	2.5	2.0	-79.90	226.1	206.3	310.5	306.0	4.50	69.004		
1,300.0	1,295.1	1,255.0	1,254.2	2.8	2.2	-80.98	235.0	206.0	316.8	311.8	4.95	64.012		
1,400.0	1,393.6	1,344.6	1,343.0	3.1	2.4	-82.63	246.3	206.4	326.2	320.8	5.42	60.146		
1,500.0	1,491.8	1,430.8	1,428.2	3.5	2.6	-84.68	259.7	206.2	339.0	333.1	5.90	57.467		
1,600.0	1,589.7	1,520.9	1,516.8	3.8	2.8	-87.17	276.1	206.1	355.4	349.0	6.40	55.529		
1,700.0	1,687.2	1,605.1	1,599.3	4.2	3.1	-89.62	293.1	205.2	375.0	368.1	6.89	54.450		
1,735.7	1,721.9	1,634.6	1,628.0	4.4	3.2	-90.52	299.7	204.7	383.0	376.0	7.05	54.290		
1,800.0	1,784.4	1,688.7	1,680.6	4.7	3.4	-92.88	312.4	203.5	398.8	391.5	7.36	54.201 SF		
1,900.0	1,881.6	1,776.6	1,765.7	5.1	3.7	-96.45	334.4	201.2	426.3	418.4	7.84	54.390		
2,000.0	1,978.8	1,859.2	1,845.3	5.5	4.0	-99.49	356.0	198.5	456.5	448.2	8.28	55.150		
2,100.0	2,075.9	1,944.7	1,927.3	6.0	4.4	-102.32	380.1	195.4	490.0	481.2	8.73	56.146		
2,200.0	2,173.1	2,029.1	2,008.1	6.4	4.8	-104.87	404.4	191.6	525.3	516.2	9.17	57.308		
2,300.0	2,270.3	2,106.5	2,081.6	6.8	5.2	-107.12	427.8	186.4	563.3	553.7	9.56	58.929		
2,400.0	2,367.5	2,189.7	2,160.2	7.3	5.7	-109.33	454.5	179.9	604.2	594.2	9.98	60.515		
2,500.0	2,464.7	2,283.0	2,248.4	7.7	6.2	-111.37	484.3	174.1	645.3	634.8	10.48	61.574		
2,600.0	2,561.9	2,372.3	2,332.8	8.2	6.7	-112.94	513.0	170.2	686.8	675.8	10.97	62.630		
2,700.0	2,659.1	2,461.0	2,416.7	8.6	7.2	-114.44	541.3	165.1	728.7	717.3	11.45	63.657		
2,800.0	2,756.2	2,548.4	2,499.4	9.1	7.7	-115.78	569.2	159.9	771.2	759.2	11.93	64.651		
2,900.0	2,853.4	2,632.1	2,578.5	9.5	8.2	-116.94	596.1	154.6	814.3	801.9	12.39	65.708		
3,000.0	2,950.6	2,713.6	2,655.2	10.0	8.6	-117.97	623.0	149.3	858.4	845.6	12.85	66.794		
3,100.0	3,047.8	2,800.6	2,737.0	10.4	9.2	-118.93	652.4	143.9	903.4	890.0	13.35	67.663		
3,200.0	3,145.0	2,894.2	2,825.0	10.9	9.7	-119.91	683.3	137.6	948.2	934.3	13.89	68.256		
3,300.0	3,242.2	2,991.3	2,916.6	11.3	10.3	-120.85	714.8	131.0	992.6	978.2	14.45	68.676		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - RAY NELSON 34-32 - ENCANA WELL - ENCANA WELL													Offset Site Error:	0.0 ft	
Survey Program: 103-Geolink 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	101.11	-13.1	66.6	68.3						
100.0	100.0	91.6	91.6	0.1	0.1	101.04	-13.0	66.9	68.1	67.8	0.28	239.101			
200.0	200.0	191.3	191.3	0.3	0.3	100.95	-13.1	67.7	69.0	68.3	0.63	109.349			
250.0	250.0	241.3	241.3	0.4	0.4	101.01	-13.3	68.2	69.5	68.7	0.81	86.269			
300.0	300.0	291.4	291.4	0.5	0.5	-79.17	-13.6	68.6	69.8	68.9	0.98	71.271			
400.0	399.9	391.4	391.4	0.7	0.7	-81.45	-14.3	69.3	70.1	68.7	1.34	52.393			
500.0	499.8	491.4	491.4	0.9	0.8	-66.54	-15.1	69.9	69.2	67.5	1.70	40.713			
600.0	599.6	591.3	591.3	1.1	1.0	-54.91	-15.6	70.4	66.9	64.8	2.07	32.364			
700.0	699.4	691.3	691.3	1.3	1.2	-47.66	-16.0	70.7	63.0	60.5	2.44	25.827			
800.0	799.1	791.0	791.0	1.5	1.4	-44.63	-16.2	70.9	57.5	54.7	2.82	20.426			
900.0	898.6	890.8	890.8	1.7	1.5	-45.60	-16.2	70.8	50.8	47.6	3.21	15.841			
1,000.0	998.0	990.3	990.2	1.9	1.7	-51.33	-16.1	70.4	43.2	39.6	3.62	11.920			
1,100.0	1,097.3	1,089.5	1,089.5	2.2	1.9	-63.33	-16.2	69.8	35.9	31.8	4.07	8.812			
1,200.0	1,196.3	1,188.4	1,188.4	2.5	2.0	-84.79	-16.1	68.9	31.4	26.9	4.51	6.967			
1,220.9	1,217.0	1,209.1	1,209.0	2.5	2.1	-90.38	-16.0	68.7	31.3	26.7	4.59	6.808	CC, ES, SF		
1,300.0	1,295.1	1,286.9	1,286.8	2.8	2.2	-111.57	-15.6	67.8	34.0	29.2	4.81	7.062			
1,400.0	1,393.6	1,385.1	1,385.1	3.1	2.4	-132.14	-15.0	66.8	44.3	39.3	5.02	8.816			
1,500.0	1,491.8	1,482.8	1,482.8	3.5	2.6	-144.82	-14.1	65.5	60.1	54.8	5.27	11.400			
1,600.0	1,589.7	1,580.3	1,580.2	3.8	2.7	-152.67	-13.3	63.8	79.5	74.0	5.56	14.297			
1,700.0	1,687.2	1,677.4	1,677.3	4.2	2.9	-157.73	-12.7	62.0	101.6	95.7	5.88	17.290			
1,735.7	1,721.9	1,712.1	1,712.0	4.4	3.0	-158.99	-12.4	61.5	110.0	104.0	5.99	18.350			
1,800.0	1,784.4	1,774.4	1,774.3	4.7	3.1	-161.37	-11.6	60.7	125.4	119.2	6.21	20.199			
1,900.0	1,881.6	1,870.7	1,870.5	5.1	3.2	-163.96	-10.1	59.5	149.6	143.1	6.54	22.883			
2,000.0	1,978.8	1,968.3	1,968.1	5.5	3.4	-165.77	-8.4	58.3	174.3	167.4	6.88	25.327			
2,100.0	2,075.9	2,066.1	2,066.0	6.0	3.6	-167.27	-7.3	57.5	198.4	191.2	7.22	27.471			
2,200.0	2,173.1	2,165.3	2,165.1	6.4	3.8	-168.69	-7.3	57.0	221.9	214.4	7.57	29.320			
2,300.0	2,270.3	2,262.3	2,262.1	6.8	3.9	-169.91	-7.9	56.8	245.1	237.2	7.91	30.996			
2,400.0	2,367.5	2,359.4	2,359.2	7.3	4.1	-170.93	-8.4	56.3	268.6	260.3	8.25	32.564			
2,500.0	2,464.7	2,456.1	2,455.9	7.7	4.3	-171.90	-9.6	56.0	291.8	283.2	8.59	33.988			
2,600.0	2,561.9	2,545.7	2,545.4	8.2	4.4	-172.88	-11.4	54.3	316.4	307.5	8.90	35.543			
2,700.0	2,659.1	2,636.5	2,636.2	8.6	4.6	-173.91	-13.4	49.9	343.6	334.3	9.22	37.265			
2,800.0	2,756.2	2,733.1	2,732.5	9.1	4.8	-175.20	-17.5	44.3	371.2	361.6	9.56	38.813			
2,900.0	2,853.4	2,824.8	2,823.9	9.5	4.9	-176.45	-22.6	38.5	399.2	389.3	9.90	40.334			
3,000.0	2,950.6	2,916.7	2,915.2	10.0	5.1	-177.76	-29.0	31.2	428.5	418.3	10.24	41.859			
3,100.0	3,047.8	3,006.5	3,004.5	10.4	5.3	-178.90	-35.2	23.4	458.8	448.2	10.58	43.375			
3,200.0	3,145.0	3,089.1	3,086.3	10.9	5.5	179.93	-42.5	14.4	490.9	480.0	10.90	45.043			
3,300.0	3,242.2	3,181.5	3,177.3	11.3	5.7	178.56	-52.1	2.4	524.9	513.6	11.28	46.545			
3,400.0	3,339.4	3,276.1	3,270.7	11.8	5.9	177.39	-61.5	-9.4	558.8	547.1	11.67	47.879			
3,500.0	3,436.5	3,360.6	3,354.3	12.2	6.2	176.57	-68.8	-20.4	593.5	581.5	12.01	49.399			
3,600.0	3,533.7	3,439.0	3,431.5	12.7	6.4	175.86	-75.5	-32.1	630.1	617.7	12.33	51.085			
3,700.0	3,630.9	3,526.6	3,517.4	13.1	6.6	174.99	-84.5	-46.9	668.5	655.7	12.71	52.586			
3,800.0	3,728.1	3,610.0	3,599.0	13.6	6.9	174.23	-93.2	-61.4	707.5	694.4	13.07	54.114			
3,900.0	3,825.3	3,707.0	3,693.6	14.0	7.2	173.31	-104.8	-79.1	747.2	733.7	13.53	55.224			
4,000.0	3,922.5	3,793.5	3,777.8	14.5	7.5	172.40	-117.3	-94.5	786.6	772.7	13.95	56.400			
4,100.0	4,019.6	3,892.4	3,873.9	14.9	7.9	171.36	-132.9	-112.4	826.4	811.9	14.45	57.168			
4,200.0	4,116.8	3,969.2	3,948.4	15.4	8.1	170.58	-145.5	-126.3	866.3	851.5	14.83	58.408			
4,300.0	4,214.0	4,057.2	4,033.5	15.8	8.5	169.81	-159.3	-143.3	907.6	892.3	15.27	59.417			
4,400.0	4,311.2	4,151.1	4,124.7	16.3	8.8	169.11	-173.2	-161.3	948.8	933.0	15.75	60.241			
4,500.0	4,408.4	4,267.4	4,237.9	16.7	9.3	168.37	-189.8	-181.6	988.6	972.2	16.35	60.473			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - RAY NELSON 44-32 - ENCANA WELL - ENCANA WELL													Offset Site Error:	0.0 ft	
Survey Program: 134-Geolink 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	47.31	212.4	230.3	313.4						
100.0	100.0	91.8	91.8	0.1	0.1	47.38	212.1	230.4	313.2	312.9	0.29	1,073.830			
154.3	154.3	145.3	145.3	0.2	0.2	47.47	211.6	230.7	313.0	312.5	0.47	663.361			
200.0	200.0	186.7	186.7	0.3	0.3	47.54	211.5	231.1	313.3	312.7	0.62	502.432			
250.0	250.0	231.9	231.8	0.4	0.4	47.58	212.0	232.0	314.4	313.6	0.79	398.108			
300.0	300.0	276.7	276.6	0.5	0.5	-132.40	213.0	233.4	316.5	315.6	0.96	331.366			
400.0	399.9	369.9	369.7	0.7	0.6	-132.56	215.9	237.8	324.5	323.2	1.30	250.186			
500.0	499.8	460.4	459.9	0.9	0.9	-114.37	219.5	244.1	335.3	333.6	1.64	204.137			
600.0	599.6	552.8	551.8	1.1	1.1	-99.22	223.9	253.0	347.2	345.2	2.00	173.426			
700.0	699.4	645.4	643.6	1.3	1.3	-88.02	228.9	263.7	359.7	357.3	2.38	151.420			
800.0	799.1	738.0	735.1	1.5	1.6	-80.00	234.3	276.7	373.0	370.2	2.77	134.704			
900.0	898.6	833.2	828.8	1.7	2.0	-74.08	239.4	292.7	386.6	383.4	3.20	120.874			
1,000.0	998.0	938.1	932.0	1.9	2.3	-69.62	243.1	311.1	398.3	394.6	3.69	108.072			
1,100.0	1,097.3	1,036.0	1,028.2	2.2	2.7	-66.07	244.4	329.3	408.0	403.8	4.19	97.259			
1,200.0	1,196.3	1,125.1	1,115.0	2.5	3.0	-62.97	244.5	349.1	418.1	413.4	4.72	88.614			
1,300.0	1,295.1	1,215.6	1,202.6	2.8	3.5	-60.29	244.5	372.0	429.3	424.0	5.28	81.351			
1,400.0	1,393.6	1,309.9	1,293.3	3.1	4.0	-57.98	244.8	397.9	440.9	435.1	5.88	74.965			
1,500.0	1,491.8	1,409.4	1,388.8	3.5	4.5	-56.02	244.7	426.0	451.7	445.2	6.54	69.061			
1,600.0	1,589.7	1,514.8	1,489.7	3.8	5.0	-54.29	243.4	456.2	460.7	453.5	7.25	63.546			
1,700.0	1,687.2	1,611.3	1,582.4	4.2	5.5	-53.03	242.2	482.8	467.6	459.7	7.93	58.942			
1,735.7	1,721.9	1,644.9	1,614.8	4.4	5.7	-52.69	242.3	492.1	470.1	461.9	8.18	57.458			
1,800.0	1,784.4	1,706.9	1,674.3	4.7	6.0	-52.71	242.4	509.4	474.6	466.0	8.64	54.944			
1,900.0	1,881.6	1,803.5	1,766.8	5.1	6.5	-52.69	242.7	537.2	482.2	472.8	9.35	51.549			
2,000.0	1,978.8	1,911.4	1,870.1	5.5	7.1	-52.53	241.7	568.5	489.2	479.1	10.14	48.254			
2,100.0	2,075.9	2,014.9	1,969.3	6.0	7.7	-52.34	239.6	597.8	495.0	484.1	10.89	45.455			
2,200.0	2,173.1	2,116.3	2,066.8	6.4	8.2	-52.24	237.9	625.7	500.4	488.8	11.63	43.012			
2,300.0	2,270.3	2,218.2	2,164.7	6.8	8.7	-52.10	235.5	653.8	505.4	493.0	12.39	40.781			
2,400.0	2,367.5	2,320.8	2,263.3	7.3	9.3	-51.90	232.5	682.1	509.9	496.8	13.13	38.839			
2,500.0	2,464.7	2,421.8	2,360.7	7.7	9.8	-51.84	230.1	708.8	514.1	500.2	13.87	37.051			
2,600.0	2,561.9	2,523.1	2,458.3	8.2	10.3	-51.74	227.3	735.7	518.0	503.4	14.62	35.437			
2,700.0	2,659.1	2,625.9	2,557.6	8.6	10.8	-51.76	225.1	762.1	521.6	506.2	15.37	33.938			
2,800.0	2,756.2	2,729.7	2,658.1	9.1	11.3	-51.76	222.1	788.2	524.4	508.3	16.12	32.525			
2,900.0	2,853.4	2,835.6	2,760.8	9.5	11.7	-51.89	219.5	813.5	526.4	509.5	16.88	31.185			
3,000.0	2,950.6	2,942.9	2,865.4	10.0	12.2	-52.16	216.8	837.3	527.0	509.4	17.66	29.836			
3,000.1	2,950.7	2,943.0	2,865.5	10.0	12.2	-52.16	216.8	837.3	527.0	509.4	17.67	29.835			
3,100.0	3,047.8	3,035.5	2,955.7	10.4	12.6	-52.42	214.7	857.5	527.6	509.3	18.40	28.683			
3,200.0	3,145.0	3,122.1	3,039.9	10.9	13.0	-52.64	213.8	878.0	530.4	511.3	19.11	27.761			
3,300.0	3,242.2	3,220.3	3,135.1	11.3	13.5	-52.89	213.7	902.1	534.6	514.7	19.87	26.908			
3,400.0	3,339.4	3,321.0	3,232.6	11.8	14.0	-53.10	213.2	927.2	538.8	518.1	20.65	26.097			
3,500.0	3,436.5	3,428.9	3,337.0	12.2	14.5	-53.25	211.9	954.1	542.5	521.1	21.46	25.283			
3,600.0	3,533.7	3,532.6	3,437.5	12.7	15.0	-53.25	208.5	979.6	544.5	522.3	22.23	24.495			
3,700.0	3,630.9	3,635.0	3,536.8	13.1	15.5	-53.25	205.0	1,004.5	546.3	523.3	23.00	23.751			
3,800.0	3,728.1	3,727.4	3,626.5	13.6	15.9	-53.37	202.9	1,026.7	548.5	524.8	23.72	23.123			
3,900.0	3,825.3	3,823.8	3,720.1	14.0	16.3	-53.63	202.4	1,049.6	551.8	527.3	24.49	22.531			
4,000.0	3,922.5	3,929.2	3,822.6	14.5	16.8	-53.99	202.5	1,074.1	555.2	529.8	25.32	21.925			
4,100.0	4,019.6	4,037.0	3,927.5	14.9	17.3	-54.24	200.4	1,098.6	556.7	530.5	26.16	21.282			
4,200.0	4,116.8	4,129.3	4,017.2	15.4	17.7	-54.33	197.7	1,120.5	558.3	531.4	26.91	20.748			
4,300.0	4,214.0	4,220.6	4,105.5	15.8	18.2	-54.32	195.6	1,143.9	561.8	534.1	27.65	20.319			
4,400.0	4,311.2	4,323.8	4,205.0	16.3	18.7	-54.26	193.2	1,171.1	565.8	537.4	28.41	19.916			
4,500.0	4,408.4	4,435.9	4,313.9	16.7	19.2	-54.52	191.7	1,197.2	568.2	539.0	29.24	19.432			
4,600.0	4,505.6	4,540.4	4,416.2	17.2	19.6	-55.06	191.4	1,218.5	569.3	539.2	30.10	18.910			
4,700.0	4,602.8	4,643.2	4,517.1	17.7	20.0	-55.68	191.3	1,238.3	569.6	538.6	30.98	18.387			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - RAY NELSON 44-32 - ENCANA WELL - ENCANA WELL													Offset Site Error:	0.0 ft	
Survey Program: 134-Geolink 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)					
4,800.0	4,699.9	4,743.9	4,616.2	18.1	20.3	-56.42	191.9	1,256.6	569.7	537.9	31.87	17.878			
4,900.0	4,797.1	4,851.7	4,722.5	18.6	20.7	-57.42	193.5	1,274.2	569.3	536.5	32.83	17.342			
5,000.0	4,894.3	4,961.4	4,831.1	19.0	21.0	-58.65	195.1	1,289.3	567.3	533.5	33.83	16.771			
5,100.0	4,991.5	5,071.1	4,940.1	19.5	21.2	-60.09	196.8	1,301.8	563.9	529.1	34.85	16.180			
5,200.0	5,088.7	5,182.0	5,050.6	19.9	21.4	-61.86	198.3	1,310.6	558.5	522.6	35.92	15.552			
5,300.0	5,185.9	5,288.8	5,157.3	20.4	21.5	-63.78	199.5	1,316.6	552.0	515.0	37.00	14.918			
5,400.0	5,283.0	5,392.3	5,260.7	20.8	21.7	-65.81	200.3	1,320.6	544.8	506.7	38.10	14.300			
5,500.0	5,380.2	5,494.0	5,362.3	21.3	21.8	-67.94	200.9	1,323.4	537.3	498.1	39.20	13.707			
5,600.0	5,477.4	5,591.6	5,459.9	21.8	21.9	-70.10	201.4	1,325.4	530.3	490.0	40.29	13.162			
5,700.0	5,574.6	5,689.5	5,557.8	22.2	22.0	-72.37	202.2	1,327.1	524.1	482.7	41.37	12.669			
5,800.0	5,671.8	5,787.8	5,656.1	22.7	22.1	-74.72	203.0	1,328.5	518.7	476.3	42.42	12.227			
5,900.0	5,769.0	5,887.1	5,755.4	23.1	22.2	-77.19	203.8	1,329.4	514.0	470.5	43.43	11.833			
6,000.0	5,866.2	5,986.6	5,854.8	23.6	22.2	-79.78	204.5	1,329.5	509.8	465.4	44.40	11.481			
6,100.0	5,963.3	6,082.3	5,950.5	24.0	22.3	-82.34	205.1	1,329.3	506.6	461.3	45.32	11.179			
6,200.0	6,060.5	6,177.9	6,046.2	24.5	22.4	-84.91	206.0	1,329.4	504.9	458.7	46.17	10.936			
6,283.1	6,141.2	6,257.9	6,126.1	24.9	22.5	-87.06	207.0	1,329.5	504.5	457.6	46.81	10.776			
6,300.0	6,157.7	6,274.2	6,142.4	24.9	22.5	-87.50	207.2	1,329.5	504.5	457.5	46.94	10.747			
6,400.0	6,254.9	6,370.4	6,238.6	25.4	22.6	-90.10	208.5	1,329.5	505.3	457.7	47.63	10.610			
6,500.0	6,352.1	6,466.5	6,334.7	25.9	22.6	-92.71	210.0	1,329.3	507.5	459.3	48.23	10.522			
6,600.0	6,449.3	6,562.8	6,431.0	26.3	22.7	-95.33	211.8	1,328.9	511.0	462.3	48.75	10.482			
6,700.0	6,546.4	6,659.5	6,527.7	26.8	22.8	-97.90	213.6	1,328.6	515.7	466.5	49.20	10.483			
6,800.0	6,643.6	6,756.5	6,624.7	27.2	22.9	-100.42	215.4	1,328.5	521.5	472.0	49.56	10.524			
6,900.0	6,740.8	6,853.6	6,721.7	27.7	23.0	-102.89	217.3	1,328.3	528.4	478.5	49.84	10.601			
6,930.8	6,770.8	6,885.1	6,753.2	27.8	23.0	-103.68	217.9	1,328.2	530.7	480.8	49.92	10.630			
6,950.0	6,789.4	6,905.2	6,773.4	27.9	23.0	-97.86	218.1	1,328.1	531.8	481.9	49.97	10.643			
7,000.0	6,838.0	6,957.4	6,825.6	28.1	23.0	-82.53	218.6	1,327.9	532.3	482.3	50.08	10.630			
7,050.0	6,886.5	7,004.3	6,872.4	28.3	23.1	-68.95	219.0	1,327.8	529.6	479.4	50.16	10.558			
7,100.0	6,934.6	7,051.3	6,919.4	28.5	23.1	-58.56	219.5	1,327.6	523.8	473.5	50.22	10.430			
7,150.0	6,982.0	7,099.2	6,967.4	28.7	23.2	-51.29	220.0	1,327.5	514.8	464.6	50.27	10.242			
7,200.0	7,028.5	7,145.5	7,013.6	28.8	23.2	-46.41	220.5	1,327.4	502.8	452.5	50.29	10.000			
7,250.0	7,074.0	7,189.4	7,057.5	29.0	23.3	-43.33	221.1	1,327.4	488.0	437.7	50.27	9.708			
7,300.0	7,118.1	7,232.7	7,100.8	29.1	23.3	-41.69	221.9	1,327.4	470.5	420.3	50.21	9.371			
7,350.0	7,160.7	7,275.2	7,143.3	29.3	23.3	-41.26	222.6	1,327.3	450.5	400.4	50.10	8.992			
7,400.0	7,201.5	7,316.2	7,184.3	29.4	23.4	-41.87	223.4	1,327.1	428.0	378.1	49.91	8.576			
7,450.0	7,240.4	7,355.6	7,223.7	29.5	23.4	-43.50	224.1	1,326.9	403.4	353.8	49.61	8.132			
7,500.0	7,277.2	7,392.9	7,261.0	29.6	23.4	-46.14	224.8	1,326.6	377.0	327.8	49.17	7.668			
7,550.0	7,311.7	7,428.2	7,296.3	29.8	23.5	-49.83	225.4	1,326.3	349.1	300.6	48.51	7.197			
7,600.0	7,343.7	7,461.0	7,329.1	29.9	23.5	-54.57	225.9	1,326.1	320.4	272.8	47.54	6.739			
7,650.0	7,373.0	7,491.2	7,359.2	30.0	23.5	-60.28	226.4	1,325.9	291.5	245.4	46.10	6.323			
7,700.0	7,399.6	7,518.5	7,386.6	30.2	23.5	-66.72	226.9	1,325.8	263.6	219.6	44.00	5.990			
7,750.0	7,423.3	7,543.0	7,411.1	30.3	23.6	-73.46	227.2	1,325.6	238.0	197.0	40.96	5.811 SF			
7,800.0	7,444.0	7,564.4	7,432.5	30.5	23.6	-79.91	227.6	1,325.5	216.8	180.0	36.82	5.888			
7,850.0	7,461.5	7,582.7	7,450.8	30.7	23.6	-85.51	227.8	1,325.5	202.5	170.5	31.98	6.330			
7,899.0	7,475.6	7,597.6	7,465.6	30.9	23.6	-89.71	228.0	1,325.4	197.4	169.3	28.11	7.022 CC, ES			
7,900.0	7,475.8	7,597.8	7,465.9	30.9	23.6	-89.78	228.0	1,325.4	197.4	169.3	28.06	7.035			
7,950.0	7,486.9	7,609.6	7,477.7	31.1	23.6	-92.44	228.2	1,325.3	203.1	175.7	27.36	7.424			
8,000.0	7,494.6	7,618.1	7,486.2	31.3	23.6	-93.36	228.3	1,325.3	219.2	189.1	30.04	7.296			
8,050.0	7,499.0	7,623.2	7,491.3	31.5	23.6	-92.48	228.4	1,325.3	243.9	209.9	34.01	7.173			
8,089.2	7,500.0	7,624.8	7,492.9	31.7	23.7	-90.54	228.4	1,325.3	267.9	230.9	36.95	7.250			
8,100.0	7,500.0	7,625.0	7,493.1	31.7	23.7	-90.58	228.4	1,325.3	275.1	237.4	37.69	7.299			
8,200.0	7,500.0	7,626.5	7,494.5	32.3	23.7	-91.00	228.5	1,325.3	350.4	307.6	42.80	8.187			
8,300.0	7,500.0	7,627.9	7,496.0	32.9	23.7	-91.41	228.5	1,325.3	435.8	390.1	45.70	9.537			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft				
Survey Program: 134-Geolink 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					
8,400.0	7,500.0	7,629.4	7,497.5	33.6	23.7	-91.82	228.5	1,325.3	526.4	479.0	47.42	11.101						
8,500.0	7,500.0	7,630.9	7,498.9	34.3	23.7	-92.23	228.5	1,325.3	619.8	571.3	48.52	12.775						
8,600.0	7,500.0	7,632.3	7,500.4	35.2	23.7	-92.65	228.6	1,325.3	715.1	665.8	49.28	14.510						
8,700.0	7,500.0	7,633.8	7,501.8	36.1	23.7	-93.06	228.6	1,325.3	811.4	761.6	49.84	16.282						
8,800.0	7,500.0	7,635.2	7,503.3	37.0	23.7	-93.47	228.6	1,325.3	908.6	858.3	50.26	18.077						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - RAY NELSON 4-8-32 - ENCANA WELL - PLAN ONLY													Offset Well Error:	0.0 ft
Survey Program: 850-Geolink MWD														
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	
1,735.7	1,721.9	2,087.7	2,050.0	4.4	9.6	-82.95	773.0	532.7	994.3	985.4	8.89	111.865		
1,800.0	1,784.4	2,141.7	2,099.6	4.7	10.0	-84.33	758.4	517.2	968.4	958.9	9.46	102.403		
1,900.0	1,881.6	2,225.6	2,176.7	5.1	10.6	-86.59	735.6	493.1	929.3	918.9	10.40	89.376		
2,000.0	1,978.8	2,309.6	2,253.8	5.5	11.2	-89.01	712.8	469.0	891.8	880.4	11.41	78.147		
2,100.0	2,075.9	2,393.5	2,330.9	6.0	11.8	-91.59	690.0	445.0	856.1	843.6	12.50	68.478		
2,200.0	2,173.1	2,477.4	2,408.0	6.4	12.5	-94.36	667.3	420.9	822.5	808.8	13.67	60.173		
2,300.0	2,270.3	2,561.3	2,485.1	6.8	13.1	-97.29	644.5	396.8	791.2	776.2	14.91	53.067		
2,400.0	2,367.5	2,645.2	2,562.2	7.3	13.7	-100.41	621.7	372.8	762.4	746.2	16.22	47.018		
2,500.0	2,464.7	2,729.2	2,639.3	7.7	14.3	-103.70	598.9	348.7	736.6	719.0	17.58	41.904		
2,600.0	2,561.9	2,813.1	2,716.4	8.2	14.9	-107.16	576.1	324.6	714.0	695.0	18.98	37.620		
2,700.0	2,659.1	2,897.0	2,793.5	8.6	15.6	-110.77	553.4	300.5	694.9	674.5	20.40	34.073		
2,800.0	2,756.2	2,980.9	2,870.6	9.1	16.2	-114.51	530.6	276.5	679.7	657.9	21.80	31.179		
2,900.0	2,853.4	3,064.9	2,947.7	9.5	16.8	-118.35	507.8	252.4	668.5	645.4	23.16	28.867		
3,000.0	2,950.6	3,148.8	3,024.8	10.0	17.4	-122.27	485.0	228.3	661.6	637.2	24.44	27.070		
3,100.0	3,047.8	3,232.7	3,101.9	10.4	18.0	-126.23	462.2	204.3	659.2	633.6	25.62	25.730		
3,104.6	3,052.2	3,236.5	3,105.4	10.4	18.0	-126.41	461.2	203.2	659.2	633.5	25.67	25.679 CC, ES		
3,200.0	3,145.0	3,316.6	3,179.0	10.9	18.6	-130.19	439.4	180.2	661.2	634.6	26.67	24.794		
3,300.0	3,242.2	3,400.6	3,256.1	11.3	19.3	-134.12	416.7	156.1	667.7	640.1	27.58	24.213		
3,400.0	3,339.4	3,484.5	3,333.2	11.8	19.9	-137.97	393.9	132.0	678.5	650.1	28.34	23.943		
3,500.0	3,436.5	3,568.4	3,410.3	12.2	20.5	-141.72	371.1	108.0	693.4	664.4	28.96	23.943 SF		
3,600.0	3,533.7	3,652.3	3,487.4	12.7	21.1	-145.34	348.3	83.9	712.1	682.7	29.46	24.175		
3,700.0	3,630.9	3,736.3	3,564.5	13.1	21.7	-148.81	325.5	59.8	734.4	704.6	29.85	24.606		
3,800.0	3,728.1	3,820.2	3,641.6	13.6	22.3	-152.12	302.8	35.8	760.0	729.8	30.15	25.204		
3,900.0	3,825.3	3,904.1	3,718.7	14.0	23.0	-155.25	280.0	11.7	788.4	758.0	30.40	25.939		
4,000.0	3,922.5	3,988.0	3,795.8	14.5	23.6	-158.21	257.2	-12.4	819.5	788.9	30.60	26.786		
4,100.0	4,019.6	4,072.0	3,872.9	14.9	24.2	-160.98	234.4	-36.5	852.9	822.2	30.77	27.720		
4,200.0	4,116.8	4,155.9	3,950.0	15.4	24.8	-163.59	211.6	-60.5	888.4	857.5	30.93	28.721		
4,300.0	4,214.0	4,239.8	4,027.1	15.8	25.4	-166.02	188.9	-84.6	925.8	894.7	31.10	29.771		
4,400.0	4,311.2	4,323.7	4,104.2	16.3	26.1	-168.30	166.1	-108.7	964.7	933.5	31.27	30.855		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - RAY NELSON 6-8-32 - ENCANA WELL - PLAN ONLY													Offset Site Error:	0.0 ft	
Survey Program: 850-Geolink 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)					
1,900.0	1,881.6	2,090.6	2,064.6	5.1	6.8	-71.10	726.3	731.5	993.0	983.4	9.65	102.890			
2,000.0	1,978.8	2,185.4	2,156.1	5.5	7.3	-71.61	701.2	731.2	962.6	952.3	10.31	93.403			
2,100.0	2,075.9	2,280.3	2,247.7	6.0	7.8	-72.15	676.2	730.8	932.2	921.2	10.96	85.069			
2,200.0	2,173.1	2,375.2	2,339.2	6.4	8.2	-72.73	651.1	730.5	901.9	890.3	11.61	77.698			
2,300.0	2,270.3	2,470.1	2,430.7	6.8	8.7	-73.35	626.1	730.2	871.7	859.4	12.25	71.138			
2,400.0	2,367.5	2,565.0	2,522.2	7.3	9.2	-74.01	601.0	729.9	841.6	828.7	12.89	65.268			
2,500.0	2,464.7	2,659.9	2,613.7	7.7	9.6	-74.72	576.0	729.5	811.6	798.1	13.53	59.989			
2,600.0	2,561.9	2,754.8	2,705.2	8.2	10.1	-75.49	550.9	729.2	781.7	767.6	14.16	55.220			
2,700.0	2,659.1	2,849.6	2,796.8	8.6	10.6	-76.32	525.9	728.9	752.0	737.2	14.78	50.895			
2,800.0	2,756.2	2,944.5	2,888.3	9.1	11.0	-77.21	500.8	728.6	722.4	707.0	15.38	46.958			
2,900.0	2,853.4	3,039.4	2,979.8	9.5	11.5	-78.17	475.8	728.3	693.0	677.0	15.98	43.363			
3,000.0	2,950.6	3,134.3	3,071.3	10.0	11.9	-79.23	450.7	727.9	663.8	647.2	16.57	40.072			
3,100.0	3,047.8	3,229.2	3,162.8	10.4	12.4	-80.37	425.7	727.6	634.8	617.7	17.13	37.051			
3,200.0	3,145.0	3,324.1	3,254.4	10.9	12.9	-81.63	400.6	727.3	606.1	588.4	17.69	34.272			
3,300.0	3,242.2	3,419.0	3,345.9	11.3	13.3	-83.00	375.5	727.0	577.7	559.5	18.22	31.713			
3,400.0	3,339.4	3,513.8	3,437.4	11.8	13.8	-84.51	350.5	726.6	549.6	530.9	18.73	29.352			
3,500.0	3,436.5	3,608.7	3,528.9	12.2	14.3	-86.18	325.4	726.3	522.0	502.7	19.21	27.172			
3,600.0	3,533.7	3,703.6	3,620.4	12.7	14.7	-88.03	300.4	726.0	494.7	475.1	19.67	25.158			
3,700.0	3,630.9	3,798.5	3,711.9	13.1	15.2	-90.09	275.3	725.7	468.1	448.0	20.09	23.294			
3,800.0	3,728.1	3,893.4	3,803.5	13.6	15.7	-92.38	250.3	725.4	442.1	421.6	20.50	21.569			
3,900.0	3,825.3	3,988.3	3,895.0	14.0	16.1	-94.95	225.2	725.0	416.8	396.0	20.87	19.969			
4,000.0	3,922.5	4,083.2	3,986.5	14.5	16.6	-97.82	200.2	724.7	392.5	371.3	21.24	18.479			
4,100.0	4,019.6	4,178.0	4,078.0	14.9	17.0	-101.05	175.1	724.4	369.3	347.7	21.61	17.086			
4,200.0	4,116.8	4,272.9	4,169.5	15.4	17.5	-104.68	150.1	724.1	347.4	325.4	22.02	15.773			
4,300.0	4,214.0	4,367.8	4,261.1	15.8	18.0	-108.74	125.0	723.7	327.1	304.5	22.51	14.529			
4,400.0	4,311.2	4,462.7	4,352.6	16.3	18.4	-113.28	100.0	723.4	308.6	285.5	23.12	13.352			
4,500.0	4,408.4	4,557.6	4,444.1	16.7	18.9	-118.32	74.9	723.1	292.5	268.6	23.86	12.256			
4,600.0	4,505.6	4,652.5	4,535.6	17.2	19.4	-123.85	49.9	722.8	278.9	254.2	24.75	11.272			
4,700.0	4,602.8	4,747.4	4,627.1	17.7	19.8	-129.84	24.8	722.4	268.5	242.7	25.72	10.436			
4,800.0	4,699.9	4,842.2	4,718.7	18.1	20.3	-136.19	-0.2	722.1	261.4	234.7	26.72	9.781			
4,900.0	4,797.1	4,937.1	4,810.2	18.6	20.8	-142.77	-25.3	721.8	258.0	230.4	27.68	9.322			
4,937.7	4,833.7	4,972.9	4,844.7	18.7	20.9	-145.28	-34.7	721.7	257.8	229.7	28.02	9.199	CC, ES		
5,000.0	4,894.3	5,032.0	4,901.7	19.0	21.2	-149.42	-50.3	721.5	258.5	230.0	28.55	9.055			
5,100.0	4,991.5	5,126.9	4,993.2	19.5	21.7	-155.96	-75.4	721.2	262.8	233.5	29.33	8.959	SF		
5,200.0	5,088.7	5,221.8	5,084.7	19.9	22.2	-162.24	-100.4	720.8	270.7	240.7	30.08	9.002			
5,300.0	5,185.9	5,316.7	5,176.2	20.4	22.6	-168.12	-125.5	720.5	282.0	251.2	30.84	9.143			
5,400.0	5,283.0	5,411.6	5,267.8	20.8	23.1	-173.53	-150.5	720.2	296.2	264.5	31.69	9.347			
5,500.0	5,380.2	5,506.4	5,359.3	21.3	23.5	-178.45	-175.6	719.9	313.0	280.3	32.63	9.591			
5,600.0	5,477.4	5,601.3	5,450.8	21.8	24.0	-177.13	-200.6	719.5	331.9	298.2	33.65	9.862			
5,700.0	5,574.6	5,696.2	5,542.3	22.2	24.5	-173.18	-225.7	719.2	352.6	317.9	34.72	10.157			
5,800.0	5,671.8	5,791.1	5,633.8	22.7	24.9	-169.66	-250.7	718.9	374.9	339.1	35.80	10.472			
5,900.0	5,769.0	5,886.0	5,725.4	23.1	25.4	-166.52	-275.8	718.6	398.4	361.5	36.87	10.807			
6,000.0	5,866.2	5,980.9	5,816.9	23.6	25.9	-163.73	-300.8	718.3	423.0	385.1	37.91	11.158			
6,100.0	5,963.3	6,075.8	5,908.4	24.0	26.3	-161.23	-325.9	717.9	448.4	409.5	38.92	11.521			
6,200.0	6,060.5	6,170.7	5,999.9	24.5	26.8	-159.00	-351.0	717.6	474.6	434.7	39.90	11.894			
6,300.0	6,157.7	6,265.5	6,091.4	24.9	27.3	-157.00	-376.0	717.3	501.4	460.6	40.85	12.273			
6,400.0	6,254.9	6,360.4	6,183.0	25.4	27.7	-155.19	-401.1	717.0	528.7	487.0	41.78	12.656			
6,500.0	6,352.1	6,455.3	6,274.5	25.9	28.2	-153.56	-426.1	716.6	556.5	513.8	42.67	13.041			
6,600.0	6,449.3	6,550.2	6,366.0	26.3	28.6	-152.09	-451.2	716.3	584.7	541.1	43.55	13.425			
6,700.0	6,546.4	6,651.2	6,463.8	26.8	28.8	-150.80	-476.4	716.0	612.7	568.6	44.11	13.890			
6,800.0	6,643.6	6,754.1	6,564.3	27.2	28.8	-149.93	-498.5	715.7	639.9	595.3	44.61	14.345			
6,900.0	6,740.8	6,858.1	6,666.6	27.7	28.9	-149.44	-517.2	715.5	666.1	621.0	45.06	14.781			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - RAY NELSON 6-8-32 - ENCANA WELL - PLAN ONLY													Offset Well Error:	0.0 ft
Survey Program: 850-Geolink MWD														
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		
6,930.8	6,770.8	6,890.4	6,698.5	27.8	28.9	149.36	-522.2	715.4	673.9	628.7	45.20	14.912		
6,950.0	6,789.4	6,910.5	6,718.4	27.9	28.9	156.01	-525.2	715.4	678.8	633.6	45.27	14.995		
7,000.0	6,838.0	6,962.7	6,770.1	28.1	29.0	173.40	-532.2	715.3	692.2	646.8	45.44	15.232		
7,050.0	6,886.5	7,014.6	6,821.6	28.3	29.0	-171.17	-538.3	715.2	706.4	660.8	45.60	15.491		
7,100.0	6,934.6	7,066.1	6,872.8	28.5	29.1	-158.97	-543.3	715.1	721.3	675.6	45.73	15.773		
7,150.0	6,982.0	7,117.0	6,923.7	28.7	29.1	-149.83	-547.5	715.1	737.1	691.3	45.84	16.079		
7,200.0	7,028.5	7,167.4	6,974.0	28.8	29.1	-143.06	-550.6	715.0	753.7	707.8	45.93	16.410		
7,250.0	7,074.0	7,217.2	7,023.6	29.0	29.2	-137.98	-552.9	715.0	771.2	725.2	45.99	16.770		
7,300.0	7,118.1	7,266.1	7,072.5	29.1	29.2	-134.11	-554.3	715.0	789.7	743.6	46.02	17.160		
7,350.0	7,160.7	7,314.1	7,120.5	29.3	29.2	-131.08	-554.9	715.0	809.1	763.1	46.01	17.584		
7,400.0	7,201.5	7,356.1	7,162.5	29.4	29.3	-128.49	-554.9	715.0	829.6	783.7	45.97	18.046		
7,450.0	7,240.4	7,395.0	7,201.4	29.5	29.3	-126.25	-554.9	715.0	851.6	805.7	45.90	18.553		
7,500.0	7,277.2	7,431.8	7,238.2	29.6	29.3	-124.24	-554.9	715.0	875.1	829.3	45.80	19.106		
7,550.0	7,311.7	7,466.3	7,272.7	29.8	29.4	-122.35	-554.9	715.0	900.0	854.4	45.67	19.709		
7,600.0	7,343.7	7,498.2	7,304.7	29.9	29.4	-120.47	-554.9	715.0	926.6	881.1	45.50	20.364		
7,650.0	7,373.0	7,527.6	7,334.0	30.0	29.4	-118.51	-554.9	715.0	954.6	909.3	45.30	21.072		
7,700.0	7,399.6	7,554.2	7,360.6	30.2	29.4	-116.41	-554.9	715.0	984.2	939.2	45.08	21.834		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - RAY NELSON 7-8-32 - 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				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	51.37	195.7	244.8	313.5					
100.0	100.0	91.0	91.0	0.1	0.1	51.37	195.7	244.8	313.4	313.1	0.28	1,106.005		
200.0	200.0	191.0	191.0	0.3	0.3	51.37	195.7	244.8	313.4	312.8	0.63	497.396		
250.0	250.0	241.0	241.0	0.4	0.4	51.37	195.7	244.8	313.4	312.6	0.80	389.501		
300.0	300.0	291.0	291.0	0.5	0.5	-128.69	195.7	244.8	313.7	312.7	0.98	320.305		
400.0	399.9	390.9	390.9	0.7	0.7	-129.15	195.7	244.8	315.9	314.5	1.33	236.927		
500.0	499.8	490.8	490.8	0.9	0.8	-111.44	195.7	244.8	318.5	316.8	1.69	188.031		
600.0	599.6	588.9	588.9	1.1	1.0	-96.71	194.8	245.9	320.1	318.1	2.06	155.321		
700.0	699.4	687.0	686.9	1.3	1.2	-85.54	191.8	249.5	321.0	318.6	2.45	131.225		
800.0	799.1	785.2	784.7	1.5	1.4	-77.22	186.7	255.8	321.2	318.3	2.86	112.223		
900.0	898.6	883.2	882.1	1.7	1.6	-70.78	179.5	264.6	320.6	317.3	3.32	96.584		
1,000.0	998.0	981.1	978.8	1.9	1.9	-65.49	170.2	276.0	319.3	315.5	3.83	83.434		
1,100.0	1,097.3	1,078.6	1,074.7	2.2	2.2	-60.86	158.9	290.0	317.4	313.0	4.39	72.312		
1,200.0	1,196.3	1,176.8	1,170.6	2.5	2.6	-56.58	145.6	306.3	315.0	310.0	4.99	63.098		
1,300.0	1,295.1	1,276.4	1,267.7	2.8	3.0	-52.87	131.7	323.3	311.5	305.9	5.62	55.420		
1,400.0	1,393.6	1,375.9	1,364.8	3.1	3.3	-49.70	117.9	340.3	306.9	300.6	6.26	48.996		
1,500.0	1,491.8	1,475.5	1,462.0	3.5	3.7	-46.96	104.0	357.3	300.9	294.0	6.91	43.523		
1,600.0	1,589.7	1,575.1	1,559.1	3.8	4.2	-44.57	90.2	374.2	293.6	286.1	7.57	38.781		
1,700.0	1,687.2	1,674.5	1,656.1	4.2	4.6	-42.48	76.3	391.2	285.0	276.7	8.24	34.606		
1,735.7	1,721.9	1,710.0	1,690.7	4.4	4.7	-41.79	71.4	397.3	281.6	273.1	8.47	33.235		
1,800.0	1,784.4	1,773.9	1,753.1	4.7	5.0	-41.13	62.5	408.2	275.2	266.3	8.90	30.939		
1,900.0	1,881.6	1,873.3	1,850.0	5.1	5.4	-40.04	48.7	425.1	265.4	255.9	9.54	27.818		
2,000.0	1,978.8	1,972.7	1,947.0	5.5	5.8	-38.86	34.8	442.1	255.8	245.6	10.17	25.147		
2,100.0	2,075.9	2,072.1	2,043.9	6.0	6.2	-37.60	21.0	459.1	246.2	235.4	10.78	22.843		
2,200.0	2,173.1	2,171.5	2,140.9	6.4	6.6	-36.23	7.2	476.0	236.8	225.4	11.36	20.844		
2,300.0	2,270.3	2,270.9	2,237.8	6.8	7.0	-34.75	-6.6	493.0	227.5	215.6	11.91	19.100		
2,400.0	2,367.5	2,370.3	2,334.7	7.3	7.5	-33.15	-20.5	510.0	218.4	206.0	12.43	17.573		
2,500.0	2,464.7	2,469.6	2,431.7	7.7	7.9	-31.41	-34.3	526.9	209.5	196.6	12.90	16.234		
2,600.0	2,561.9	2,569.0	2,528.6	8.2	8.3	-29.51	-48.1	543.9	200.8	187.4	13.33	15.060		
2,700.0	2,659.1	2,668.4	2,625.6	8.6	8.7	-27.45	-62.0	560.8	192.3	178.6	13.70	14.031		
2,800.0	2,756.2	2,767.8	2,722.5	9.1	9.1	-25.20	-75.8	577.8	184.1	170.1	14.02	13.133		
2,900.0	2,853.4	2,867.2	2,819.5	9.5	9.6	-22.75	-89.6	594.8	176.2	161.9	14.26	12.355		
3,000.0	2,950.6	2,966.6	2,916.4	10.0	10.0	-20.07	-103.4	611.7	168.6	154.2	14.43	11.688		
3,100.0	3,047.8	3,066.0	3,013.4	10.4	10.4	-17.15	-117.3	628.7	161.5	147.0	14.52	11.124		
3,200.0	3,145.0	3,165.4	3,110.3	10.9	10.8	-13.98	-131.1	645.7	154.8	140.3	14.53	10.655		
3,300.0	3,242.2	3,264.8	3,207.3	11.3	11.3	-10.53	-144.9	662.6	148.6	134.2	14.47	10.274		
3,400.0	3,339.4	3,364.1	3,304.2	11.8	11.7	-6.80	-158.7	679.6	143.0	128.7	14.35	9.969		
3,500.0	3,436.5	3,463.5	3,401.2	12.2	12.1	-2.78	-172.6	696.5	138.1	123.9	14.21	9.722		
3,600.0	3,533.7	3,562.9	3,498.1	12.7	12.5	1.50	-186.4	713.5	133.9	119.8	14.09	9.508		
3,700.0	3,630.9	3,662.3	3,595.1	13.1	12.9	6.03	-200.2	730.5	130.5	116.5	14.05	9.294		
3,800.0	3,728.1	3,761.7	3,692.0	13.6	13.4	10.77	-214.1	747.4	128.0	113.9	14.15	9.047		
3,900.0	3,825.3	3,861.1	3,789.0	14.0	13.8	15.66	-227.9	764.4	126.4	111.9	14.46	8.741		
4,000.0	3,922.5	3,960.5	3,885.9	14.5	14.2	20.64	-241.7	781.3	125.7	110.7	15.03	8.369		
4,018.1	3,940.1	3,978.5	3,903.5	14.6	14.3	21.54	-244.2	784.4	125.7	110.6	15.16	8.295 CC		
4,100.0	4,019.6	4,059.9	3,982.9	14.9	14.6	25.63	-255.5	798.3	126.1	110.2	15.87	7.944 ES		
4,200.0	4,116.8	4,159.3	4,079.8	15.4	15.1	30.56	-269.4	815.3	127.3	110.3	16.98	7.499		
4,300.0	4,214.0	4,258.6	4,176.8	15.8	15.5	35.36	-283.2	832.2	129.5	111.2	18.33	7.067		
4,400.0	4,311.2	4,358.0	4,273.7	16.3	15.9	39.97	-297.0	849.2	132.6	112.7	19.85	6.679		
4,500.0	4,408.4	4,457.4	4,370.7	16.7	16.3	44.35	-310.8	866.2	136.5	115.0	21.49	6.351		
4,600.0	4,505.6	4,556.8	4,467.6	17.2	16.8	48.46	-324.7	883.1	141.2	118.0	23.19	6.088		
4,700.0	4,602.8	4,656.2	4,564.6	17.7	17.2	52.29	-338.5	900.1	146.5	121.6	24.89	5.887		
4,800.0	4,699.9	4,755.6	4,661.5	18.1	17.6	55.84	-352.3	917.0	152.5	125.9	26.57	5.740		

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

Anticollision Report

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Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft					
Survey Program: 0-MWD													Offset Well Error:		0.0 ft				
Reference													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)									
4,900.0	4,797.1	4,855.0	4,758.5	18.6	18.0	59.12	-366.1	934.0	159.0	130.8	28.20	5.638							
5,000.0	4,894.3	4,954.4	4,855.4	19.0	18.4	62.13	-380.0	951.0	166.0	136.2	29.78	5.575							
5,100.0	4,991.5	5,053.8	4,952.4	19.5	18.9	64.89	-393.8	967.9	173.4	142.1	31.29	5.542							
5,200.0	5,088.7	5,153.1	5,049.3	19.9	19.3	67.42	-407.6	984.9	181.2	148.4	32.74	5.533 SF							
5,300.0	5,185.9	5,252.5	5,146.3	20.4	19.7	69.74	-421.5	1,001.9	189.3	155.1	34.14	5.545							
5,400.0	5,283.0	5,351.9	5,243.2	20.8	20.1	71.87	-435.3	1,018.8	197.7	162.2	35.48	5.572							
5,500.0	5,380.2	5,451.3	5,340.2	21.3	20.6	73.82	-449.1	1,035.8	206.3	169.5	36.77	5.611							
5,600.0	5,477.4	5,550.7	5,437.1	21.8	21.0	75.62	-462.9	1,052.7	215.2	177.1	38.01	5.660							
5,700.0	5,574.6	5,650.1	5,534.1	22.2	21.4	77.27	-476.8	1,069.7	224.2	185.0	39.21	5.717							
5,800.0	5,671.8	5,749.5	5,631.0	22.7	21.8	78.79	-490.6	1,086.7	233.4	193.0	40.38	5.780							
5,900.0	5,769.0	5,848.9	5,728.0	23.1	22.3	80.20	-504.4	1,103.6	242.8	201.3	41.52	5.848							
6,000.0	5,866.2	5,951.3	5,828.1	23.6	22.7	81.66	-518.3	1,120.6	252.0	209.3	42.66	5.905							
6,100.0	5,963.3	6,056.0	5,931.0	24.0	23.0	83.67	-530.3	1,135.4	259.4	215.5	43.88	5.912							
6,200.0	6,060.5	6,160.2	6,034.1	24.5	23.3	86.26	-539.9	1,147.2	265.3	220.2	45.12	5.880							
6,300.0	6,157.7	6,263.9	6,137.1	24.9	23.5	89.41	-547.1	1,156.0	269.9	223.6	46.33	5.825							
6,400.0	6,254.9	6,366.6	6,239.6	25.4	23.7	93.10	-551.9	1,161.9	273.8	226.3	47.46	5.768							
6,500.0	6,352.1	6,468.2	6,341.1	25.9	23.8	97.33	-554.3	1,164.9	277.5	229.1	48.44	5.729							
6,600.0	6,449.3	6,567.4	6,440.3	26.3	23.9	101.94	-554.7	1,165.3	281.7	232.6	49.18	5.729							
6,700.0	6,546.4	6,664.6	6,537.4	26.8	24.0	106.42	-554.7	1,165.3	287.7	238.0	49.66	5.793							
6,800.0	6,643.6	6,761.8	6,634.6	27.2	24.1	110.70	-554.7	1,165.3	295.4	245.5	49.89	5.921							
6,900.0	6,740.8	6,858.9	6,731.8	27.7	24.2	114.75	-554.7	1,165.3	304.7	254.8	49.91	6.105							
6,930.8	6,770.8	6,888.9	6,761.8	27.8	24.2	115.95	-554.7	1,165.3	307.9	258.0	49.88	6.173							
6,950.0	6,789.4	6,907.5	6,780.4	27.9	24.2	123.09	-554.7	1,165.3	310.1	260.3	49.86	6.221							
7,000.0	6,838.0	6,956.2	6,829.0	28.1	24.2	141.67	-554.7	1,165.3	318.1	268.3	49.78	6.389							
7,050.0	6,886.5	7,004.6	6,877.5	28.3	24.3	158.14	-554.7	1,165.3	328.8	279.1	49.74	6.611							
7,100.0	6,934.6	7,052.7	6,925.6	28.5	24.3	171.20	-554.7	1,165.3	342.2	292.4	49.73	6.880							
7,150.0	6,982.0	7,100.1	6,973.0	28.7	24.4	-178.95	-554.7	1,165.3	358.0	308.2	49.78	7.191							
7,200.0	7,028.5	7,146.6	7,019.5	28.8	24.4	-171.61	-554.7	1,165.3	376.1	326.3	49.87	7.542							
7,250.0	7,074.0	7,192.1	7,065.0	29.0	24.5	-166.08	-554.7	1,165.3	396.6	346.6	50.00	7.932							
7,300.0	7,118.1	7,236.2	7,109.1	29.1	24.5	-161.81	-554.7	1,165.3	419.4	369.2	50.15	8.362							
7,350.0	7,160.7	7,278.8	7,151.7	29.3	24.5	-158.43	-554.7	1,165.3	444.4	394.1	50.32	8.832							
7,400.0	7,201.5	7,319.7	7,192.5	29.4	24.6	-155.63	-554.7	1,165.3	471.6	421.1	50.48	9.343							
7,450.0	7,240.4	7,358.6	7,231.4	29.5	24.6	-153.20	-554.7	1,165.3	501.0	450.4	50.63	9.895							
7,500.0	7,277.2	7,395.3	7,268.2	29.6	24.6	-150.97	-554.7	1,165.3	532.6	481.8	50.77	10.490							
7,550.0	7,311.7	7,429.8	7,302.7	29.8	24.7	-148.78	-554.7	1,165.3	566.2	515.3	50.89	11.126							
7,600.0	7,343.7	7,461.8	7,334.7	29.9	24.7	-146.51	-554.7	1,165.3	601.8	550.8	50.98	11.803							
7,650.0	7,373.0	7,491.2	7,364.0	30.0	24.7	-144.03	-554.7	1,165.3	639.3	588.2	51.06	12.521							
7,700.0	7,399.6	7,517.8	7,390.6	30.2	24.8	-141.20	-554.7	1,165.3	678.5	627.4	51.10	13.277							
7,750.0	7,423.3	7,541.4	7,414.3	30.3	24.8	-137.87	-554.7	1,165.3	719.3	668.2	51.13	14.068							
7,800.0	7,444.0	7,562.1	7,435.0	30.5	24.8	-133.88	-554.7	1,165.3	761.6	710.5	51.14	14.893							
7,850.0	7,461.5	7,579.6	7,452.5	30.7	24.8	-129.03	-554.7	1,165.3	805.1	754.0	51.13	15.747							
7,900.0	7,475.8	7,594.0	7,466.8	30.9	24.8	-123.12	-554.7	1,165.3	849.7	798.6	51.10	16.628							
7,950.0	7,486.9	7,605.0	7,477.9	31.1	24.8	-115.98	-554.7	1,165.3	895.2	844.1	51.07	17.531							
8,000.0	7,494.6	7,612.7	7,485.6	31.3	24.8	-107.53	-554.7	1,165.3	941.3	890.3	51.02	18.452							
8,050.0	7,499.0	7,617.1	7,490.0	31.5	24.8	-97.97	-554.7	1,165.3	987.9	936.9	50.96	19.387							

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - RAY NELSON 8-4-32 - ENCANA WELL - PLAN ONLY													Offset Well Error:	0.0 ft
Survey Program: 850-Geolink MWD														
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		
8,800.0	7,500.0	7,657.7	7,461.0	37.0	30.1	90.00	1,976.8	1,858.9	923.9	881.9	41.97	22.012		
8,900.0	7,500.0	7,657.7	7,461.0	38.0	30.1	90.00	1,976.8	1,858.9	831.3	791.3	39.97	20.800		
9,000.0	7,500.0	7,657.7	7,461.0	39.1	30.1	90.00	1,976.8	1,858.9	740.6	703.0	37.57	19.711		
9,100.0	7,500.0	7,657.7	7,461.0	40.2	30.1	90.00	1,976.8	1,858.9	652.7	617.8	34.81	18.750		
9,200.0	7,500.0	7,657.7	7,461.0	41.4	30.1	90.00	1,976.8	1,858.9	568.7	536.8	31.92	17.814		
9,300.0	7,500.0	7,657.7	7,461.0	42.6	30.1	90.00	1,976.8	1,858.9	490.8	460.9	29.93	16.398		
9,400.0	7,500.0	7,657.7	7,461.0	43.8	30.1	90.00	1,976.8	1,858.9	422.3	391.0	31.32	13.486		
9,500.0	7,500.0	7,657.7	7,461.0	45.1	30.1	90.00	1,976.8	1,858.9	368.5	329.6	38.92	9.468		
9,600.0	7,500.0	7,657.7	7,461.0	46.4	30.1	90.00	1,976.8	1,858.9	336.6	284.4	52.19	6.449		
9,662.7	7,500.0	7,657.7	7,461.0	47.3	30.1	90.00	1,976.8	1,858.9	330.7	269.4	61.27	5.397 CC		
9,700.0	7,500.0	7,657.7	7,461.0	47.8	30.1	90.00	1,976.8	1,858.9	332.8	266.6	66.18	5.028 ES		
9,800.0	7,500.0	7,657.7	7,461.0	49.1	30.1	90.00	1,976.8	1,858.9	358.1	282.3	75.77	4.726 SF		
9,900.0	7,500.0	7,657.7	7,461.0	50.5	30.1	90.00	1,976.8	1,858.9	407.0	327.0	80.08	5.083		
10,000.0	7,500.0	7,657.7	7,461.0	51.9	30.1	90.00	1,976.8	1,858.9	472.4	391.4	81.00	5.832		
10,100.0	7,500.0	7,657.7	7,461.0	53.4	30.1	90.00	1,976.8	1,858.9	548.3	467.9	80.37	6.822		
10,200.0	7,500.0	7,657.7	7,461.0	54.8	30.1	90.00	1,976.8	1,858.9	630.9	551.8	79.18	7.968		
10,300.0	7,500.0	7,657.7	7,461.0	56.3	30.1	90.00	1,976.8	1,858.9	718.0	640.1	77.88	9.219		
10,400.0	7,500.0	7,657.7	7,461.0	57.8	30.1	90.00	1,976.8	1,858.9	808.1	731.4	76.64	10.544		
10,500.0	7,500.0	7,657.7	7,461.0	59.3	30.1	90.00	1,976.8	1,858.9	900.3	824.7	75.52	11.921		
10,600.0	7,500.0	7,657.7	7,461.0	60.8	30.1	90.00	1,976.8	1,858.9	994.0	919.4	74.53	13.336		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 850-Geolink MWD													Offset Well Error:		0.0 ft
S32-T2N-R68W (File/Hwy 52) - RAY NELSON 8-6-32 - ENCANA WELL - PLAN ONLY															
Reference				Offset			Semi Major Axis			Distance					Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
7,450.0	7,240.4	7,308.1	7,201.4	29.5	23.8	10.35	738.5	1,861.9	976.4	924.8	51.62	18.914			
7,500.0	7,277.2	7,344.8	7,238.2	29.6	23.8	14.18	738.5	1,861.9	943.0	891.4	51.54	18.297			
7,550.0	7,311.7	7,379.3	7,272.7	29.8	23.8	18.32	738.5	1,861.9	907.5	856.1	51.39	17.658			
7,600.0	7,343.7	7,411.3	7,304.7	29.9	23.9	22.94	738.5	1,861.9	870.1	818.9	51.18	17.002			
7,650.0	7,373.0	7,440.7	7,334.0	30.0	23.9	28.21	738.5	1,861.9	831.2	780.3	50.88	16.334			
7,700.0	7,399.6	7,467.3	7,360.6	30.2	23.9	34.28	738.5	1,861.9	790.9	740.4	50.50	15.661			
7,750.0	7,423.3	7,490.9	7,384.3	30.3	23.9	41.22	738.5	1,861.9	749.5	699.5	50.00	14.991			
7,800.0	7,444.0	7,511.6	7,405.0	30.5	24.0	48.99	738.5	1,861.9	707.5	658.1	49.36	14.332			
7,850.0	7,461.5	7,529.1	7,422.5	30.7	24.0	57.33	738.5	1,861.9	665.1	616.5	48.56	13.695			
7,900.0	7,475.8	7,543.5	7,436.8	30.9	24.0	65.78	738.5	1,861.9	622.7	575.2	47.56	13.093			
7,950.0	7,486.9	7,554.5	7,447.9	31.1	24.0	73.76	738.5	1,861.9	581.0	534.7	46.32	12.543			
8,000.0	7,494.6	7,562.2	7,455.6	31.3	24.0	80.77	738.5	1,861.9	540.4	495.6	44.79	12.065			
8,050.0	7,499.0	7,566.6	7,460.0	31.5	24.0	86.50	738.5	1,861.9	501.6	458.7	42.92	11.685			
8,089.2	7,500.0	7,567.6	7,461.0	31.7	24.0	90.00	738.5	1,861.9	472.9	431.7	41.21	11.476			
8,100.0	7,500.0	7,567.6	7,461.0	31.7	24.0	90.00	738.5	1,861.9	465.3	424.6	40.70	11.433			
8,200.0	7,500.0	7,567.6	7,461.0	32.3	24.0	90.00	738.5	1,861.9	402.1	366.6	35.47	11.336			
8,300.0	7,500.0	7,567.6	7,461.0	32.9	24.0	90.00	738.5	1,861.9	356.1	324.8	31.27	11.387			
8,400.0	7,500.0	7,567.6	7,461.0	33.6	24.0	90.00	738.5	1,861.9	334.6	302.3	32.31	10.356			
8,424.3	7,500.0	7,567.6	7,461.0	33.7	24.0	90.00	738.5	1,861.9	333.7	300.3	33.43	9.982 CC, ES			
8,500.0	7,500.0	7,567.6	7,461.0	34.3	24.0	90.00	738.5	1,861.9	342.2	304.0	38.21	8.956			
8,600.0	7,500.0	7,567.6	7,461.0	35.2	24.0	90.00	738.5	1,861.9	377.1	331.8	45.35	8.316 SF			
8,700.0	7,500.0	7,567.6	7,461.0	36.1	24.0	90.00	738.5	1,861.9	432.9	381.8	51.04	8.480			
8,800.0	7,500.0	7,567.6	7,461.0	37.0	24.0	90.00	738.5	1,861.9	502.5	447.7	54.81	9.168			
8,900.0	7,500.0	7,567.6	7,461.0	38.0	24.0	90.00	738.5	1,861.9	581.1	523.9	57.17	10.165			
9,000.0	7,500.0	7,567.6	7,461.0	39.1	24.0	90.00	738.5	1,861.9	665.4	606.8	58.65	11.346			
9,100.0	7,500.0	7,567.6	7,461.0	40.2	24.0	90.00	738.5	1,861.9	753.6	694.0	59.60	12.644			
9,200.0	7,500.0	7,567.6	7,461.0	41.4	24.0	90.00	738.5	1,861.9	844.4	784.2	60.23	14.019			
9,300.0	7,500.0	7,567.6	7,461.0	42.6	24.0	90.00	738.5	1,861.9	937.1	876.5	60.67	15.446			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) - RAY NELSON 8-8-32 - ENCANA WELL - SURVEYS													Offset Well Error:	0.0 ft
Survey Program: 70-Geolink MWD														
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	51.37	195.7	244.8	313.5					
100.0	100.0	88.3	88.3	0.1	0.1	51.40	195.8	245.3	313.8	313.6	0.28	1,135.717		
200.0	200.0	185.5	185.5	0.3	0.3	51.52	196.0	246.5	315.0	314.4	0.62	507.015		
250.0	250.0	235.6	235.6	0.4	0.4	51.72	195.7	247.9	315.9	315.1	0.80	395.552		
300.0	300.0	284.2	284.1	0.5	0.5	-127.96	194.6	249.9	317.1	316.1	0.98	324.258		
400.0	399.9	378.3	378.0	0.7	0.7	-127.28	191.7	255.8	322.3	320.9	1.35	238.767		
500.0	499.8	475.6	474.7	0.9	0.9	-107.94	187.3	264.8	329.4	327.6	1.76	186.924		
600.0	599.6	571.0	569.3	1.1	1.2	-91.39	181.0	275.7	335.7	333.5	2.21	151.965		
700.0	699.4	664.6	661.6	1.3	1.5	-78.52	173.4	289.4	342.5	339.8	2.70	126.852		
800.0	799.1	757.1	752.2	1.5	1.9	-68.62	164.5	305.8	349.8	346.6	3.22	108.721		
900.0	898.6	848.0	840.7	1.7	2.3	-61.06	156.0	324.3	358.3	354.5	3.74	95.674		
1,000.0	998.0	943.1	933.0	1.9	2.7	-55.00	147.1	345.5	367.2	362.9	4.31	85.141		
1,100.0	1,097.3	1,035.0	1,021.5	2.2	3.2	-49.80	136.5	368.1	376.0	371.1	4.90	76.699		
1,200.0	1,196.3	1,122.3	1,104.4	2.5	3.7	-45.13	124.7	392.9	386.3	380.8	5.48	70.439		
1,300.0	1,295.1	1,210.0	1,186.6	2.8	4.3	-40.88	112.2	420.7	398.4	392.3	6.06	65.699		
1,400.0	1,393.6	1,300.6	1,270.5	3.1	4.9	-36.90	98.4	451.9	411.7	405.1	6.66	61.860		
1,500.0	1,491.8	1,396.3	1,358.1	3.5	5.7	-32.99	82.0	486.6	425.3	418.0	7.26	58.548		
1,600.0	1,589.7	1,494.6	1,447.7	3.8	6.4	-29.22	63.4	522.6	438.0	430.2	7.85	55.789		
1,700.0	1,687.2	1,586.0	1,531.0	4.2	7.1	-26.08	46.9	556.4	450.3	442.0	8.34	54.023		
1,735.7	1,721.9	1,620.7	1,562.7	4.4	7.4	-25.05	41.2	569.4	454.7	446.2	8.51	53.418		
1,800.0	1,784.4	1,681.8	1,618.5	4.7	7.9	-23.95	31.6	592.3	462.8	453.9	8.82	52.494		
1,900.0	1,881.6	1,777.2	1,705.5	5.1	8.6	-22.28	16.6	628.6	476.1	466.8	9.27	51.372		
2,000.0	1,978.8	1,871.1	1,790.8	5.5	9.4	-20.73	2.1	665.1	490.8	481.1	9.68	50.725		
2,100.0	2,075.9	1,978.8	1,888.6	6.0	10.2	-18.99	-15.2	706.5	505.4	495.3	10.13	49.869		
2,200.0	2,173.1	2,091.8	1,992.4	6.4	11.0	-17.23	-34.2	747.2	517.7	507.1	10.57	48.968		
2,300.0	2,270.3	2,188.5	2,081.6	6.8	11.7	-15.83	-50.2	780.6	528.9	518.0	10.91	48.482		
2,400.0	2,367.5	2,294.7	2,179.7	7.3	12.5	-14.28	-68.5	817.2	540.3	529.1	11.26	47.970		
2,500.0	2,464.7	2,405.4	2,282.6	7.7	13.2	-12.75	-87.6	853.1	549.8	538.3	11.59	47.439		
2,600.0	2,561.9	2,504.2	2,375.4	8.2	13.9	-11.75	-101.6	884.2	558.6	546.7	11.88	47.037		
2,700.0	2,659.1	2,609.7	2,474.5	8.6	14.5	-10.88	-115.0	917.5	567.6	555.4	12.21	46.505		
2,800.0	2,756.2	2,721.0	2,579.9	9.1	15.2	-9.92	-129.8	950.3	574.5	562.0	12.54	45.823		
2,900.0	2,853.4	2,808.0	2,662.1	9.5	15.8	-9.18	-141.4	976.1	581.8	569.0	12.77	45.575		
3,000.0	2,950.6	2,919.6	2,767.5	10.0	16.5	-8.12	-157.7	1,009.1	589.2	576.1	13.08	45.036		
3,100.0	3,047.8	3,022.4	2,864.6	10.4	17.1	-6.92	-175.2	1,038.0	595.5	582.2	13.31	44.756		
3,200.0	3,145.0	3,121.0	2,958.1	10.9	17.7	-5.98	-190.0	1,065.4	601.5	588.0	13.53	44.469		
3,300.0	3,242.2	3,212.5	3,044.8	11.3	18.2	-5.21	-202.9	1,091.8	608.5	594.8	13.75	44.255		
3,400.0	3,339.4	3,306.8	3,133.5	11.8	18.9	-4.26	-218.1	1,119.8	616.9	602.9	13.95	44.232		
3,500.0	3,436.5	3,404.5	3,225.4	12.2	19.5	-3.41	-232.9	1,149.3	625.9	611.7	14.15	44.226		
3,600.0	3,533.7	3,510.5	3,325.6	12.7	20.1	-2.73	-246.3	1,181.4	634.6	620.2	14.42	44.006		
3,700.0	3,630.9	3,615.0	3,424.6	13.1	20.8	-2.02	-260.2	1,211.9	642.3	627.6	14.68	43.738		
3,800.0	3,728.1	3,710.8	3,515.4	13.6	21.3	-1.42	-272.6	1,239.8	649.9	635.0	14.91	43.578		
3,900.0	3,825.3	3,808.3	3,607.6	14.0	21.9	-0.80	-285.4	1,268.8	658.5	643.3	15.16	43.442		
4,000.0	3,922.5	3,900.7	3,694.9	14.5	22.5	-0.18	-298.1	1,296.1	667.0	651.7	15.37	43.398		
4,100.0	4,019.6	3,988.3	3,777.1	14.9	23.1	0.31	-309.6	1,324.1	677.8	662.2	15.58	43.513		
4,200.0	4,116.8	4,103.7	3,885.6	15.4	23.8	0.91	-324.4	1,360.8	688.6	672.7	15.91	43.290		
4,300.0	4,214.0	4,215.8	3,991.8	15.8	24.5	1.62	-339.8	1,392.9	696.4	680.2	16.19	43.018		
4,400.0	4,311.2	4,292.0	4,063.8	16.3	25.0	1.98	-349.1	1,416.0	705.5	689.1	16.37	43.093		
4,500.0	4,408.4	4,366.8	4,133.7	16.7	25.5	2.30	-358.5	1,441.0	718.0	701.4	16.56	43.366		
4,600.0	4,505.6	4,472.3	4,231.7	17.2	26.3	2.78	-372.8	1,477.6	732.0	715.2	16.86	43.426		
4,700.0	4,602.8	4,602.7	4,354.3	17.7	27.1	3.40	-389.8	1,518.5	742.4	725.1	17.25	43.043		
4,800.0	4,699.9	4,702.0	4,448.2	18.1	27.7	3.82	-401.9	1,548.2	751.4	733.8	17.54	42.849		
4,900.0	4,797.1	4,798.7	4,539.6	18.6	28.3	4.33	-415.2	1,577.1	760.7	742.9	17.81	42.710		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) - RAY NELSON 8-8-32 - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft	
Survey Program: 70-Geolink MWD													Offset Well Error:	0.0 ft	
Reference				Offset			Semi Major Axis		Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
5,000.0	4,894.3	4,887.3	4,623.0	19.0	28.9	4.86	-428.4	1,603.9	770.9	752.9	18.06	42.694			
5,100.0	4,991.5	5,033.4	4,761.2	19.5	29.7	5.82	-451.2	1,645.3	779.8	761.4	18.48	42.193			
5,200.0	5,088.7	5,138.7	4,862.3	19.9	30.3	6.55	-466.7	1,670.2	783.5	764.7	18.79	41.699			
5,300.0	5,185.9	5,240.5	4,959.9	20.4	30.8	7.24	-481.9	1,695.1	788.3	769.2	19.10	41.269			
5,400.0	5,283.0	5,337.6	5,053.0	20.8	31.3	7.85	-495.7	1,718.6	792.7	773.3	19.41	40.840			
5,500.0	5,380.2	5,470.8	5,181.6	21.3	32.0	8.57	-512.5	1,749.2	795.3	775.5	19.81	40.142			
5,600.0	5,477.4	5,603.0	5,310.6	21.8	32.5	9.07	-524.4	1,775.6	793.9	773.7	20.20	39.297			
5,700.0	5,574.6	5,742.1	5,447.6	22.2	32.9	9.60	-534.6	1,796.8	787.1	766.5	20.58	38.244			
5,800.0	5,671.8	5,873.1	5,577.5	22.7	33.2	10.02	-541.3	1,812.8	777.0	756.1	20.93	37.125			
5,900.0	5,769.0	5,996.5	5,700.3	23.1	33.5	10.39	-545.2	1,823.6	763.0	741.7	21.27	35.874			
6,000.0	5,866.2	6,113.4	5,816.9	23.6	33.6	10.75	-547.7	1,830.9	746.2	724.6	21.60	34.543			
6,100.0	5,963.3	6,219.0	5,922.4	24.0	33.8	11.06	-548.9	1,835.9	727.8	705.9	21.96	33.149			
6,200.0	6,060.5	6,323.9	6,027.3	24.5	33.9	11.39	-549.7	1,839.9	708.5	686.1	22.31	31.751			
6,300.0	6,157.7	6,429.9	6,133.2	24.9	34.0	11.70	-549.8	1,843.3	688.3	665.6	22.67	30.361			
6,400.0	6,254.9	6,533.2	6,236.5	25.4	34.1	12.05	-549.6	1,845.3	666.8	643.7	23.04	28.942			
6,500.0	6,352.1	6,634.5	6,337.8	25.9	34.1	12.41	-549.0	1,846.8	644.9	621.4	23.42	27.536			
6,600.0	6,449.3	6,736.0	6,439.3	26.3	34.2	12.78	-548.2	1,847.7	622.3	598.5	23.81	26.140			
6,700.0	6,546.4	6,834.1	6,537.3	26.8	34.3	13.19	-547.3	1,848.2	599.4	575.2	24.22	24.748			
6,800.0	6,643.6	6,932.0	6,635.3	27.2	34.3	13.62	-546.3	1,848.6	576.4	551.8	24.65	23.387			
6,900.0	6,740.8	7,029.8	6,733.1	27.7	34.4	14.09	-545.3	1,848.9	553.3	528.2	25.09	22.052			
6,930.8	6,770.8	7,060.0	6,763.2	27.8	34.4	14.24	-545.0	1,848.9	546.2	521.0	25.23	21.647			
6,950.0	6,789.4	7,078.7	6,781.9	27.9	34.4	21.00	-544.8	1,849.0	541.9	516.5	25.33	21.394			
7,000.0	6,838.0	7,127.7	6,830.9	28.1	34.4	38.95	-544.2	1,849.1	531.6	506.0	25.66	20.719			
7,050.0	6,886.5	7,176.5	6,879.7	28.3	34.5	55.31	-543.7	1,849.1	523.0	496.9	26.12	20.025			
7,100.0	6,934.6	7,224.9	6,928.1	28.5	34.5	68.77	-543.1	1,849.2	516.2	489.5	26.75	19.298			
7,150.0	6,982.0	7,272.8	6,976.0	28.7	34.5	79.44	-542.5	1,849.2	511.5	483.9	27.60	18.529			
7,200.0	7,028.5	7,319.9	7,023.1	28.8	34.5	87.97	-541.9	1,849.2	509.1	480.3	28.73	17.719			
7,220.9	7,047.7	7,339.3	7,042.5	28.9	34.5	91.05	-541.7	1,849.2	508.8	479.5	29.30	17.368			
7,250.0	7,074.0	7,365.9	7,069.2	29.0	34.6	94.93	-541.4	1,849.1	509.3	479.1	30.16	16.887			
7,300.0	7,118.1	7,410.7	7,113.9	29.1	34.6	100.74	-540.9	1,849.0	512.5	480.6	31.89	16.069			
7,350.0	7,160.7	7,453.7	7,156.9	29.3	34.6	105.65	-540.4	1,848.9	518.9	485.0	33.91	15.305			
7,400.0	7,201.5	7,494.8	7,198.0	29.4	34.6	109.82	-539.9	1,848.7	528.9	492.8	36.14	14.636			
7,450.0	7,240.4	7,533.9	7,237.1	29.5	34.6	113.34	-539.5	1,848.6	542.6	504.1	38.50	14.091			
7,500.0	7,277.2	7,570.9	7,274.1	29.6	34.7	116.29	-539.1	1,848.4	560.0	519.1	40.91	13.688			
7,550.0	7,311.7	7,605.5	7,308.7	29.8	34.7	118.67	-538.8	1,848.2	581.2	537.9	43.29	13.428			
7,600.0	7,343.7	7,637.4	7,340.6	29.9	34.7	120.48	-538.5	1,848.0	606.2	560.6	45.55	13.307 SF			
7,650.0	7,373.0	7,666.7	7,369.8	30.0	34.7	121.72	-538.3	1,847.9	634.7	587.0	47.66	13.315			
7,700.0	7,399.6	7,693.1	7,396.3	30.2	34.7	122.36	-538.1	1,847.7	666.5	616.9	49.59	13.439			
7,750.0	7,423.3	7,716.6	7,419.8	30.3	34.8	122.35	-538.0	1,847.6	701.3	650.0	51.32	13.665			
7,800.0	7,444.0	7,737.2	7,440.4	30.5	34.8	121.59	-537.9	1,847.5	738.9	686.1	52.86	13.979			
7,850.0	7,461.5	7,754.6	7,457.8	30.7	34.8	119.96	-537.8	1,847.4	779.0	724.7	54.21	14.370			
7,900.0	7,475.8	7,768.8	7,472.0	30.9	34.8	117.23	-537.7	1,847.3	821.1	765.7	55.38	14.825			
7,950.0	7,486.9	7,779.9	7,483.1	31.1	34.8	113.12	-537.7	1,847.2	864.9	808.5	56.40	15.336			
8,000.0	7,494.6	7,787.9	7,491.1	31.3	34.8	107.27	-537.6	1,847.2	910.2	853.0	57.28	15.892			
8,050.0	7,499.0	7,792.6	7,495.8	31.5	34.8	99.20	-537.6	1,847.2	956.6	898.6	58.03	16.485			
8,089.2	7,500.0	7,793.8	7,497.0	31.7	34.8	91.08	-537.6	1,847.2	993.6	935.0	58.54	16.971			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4A-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	2.0	2.0	0.0	0.0	-89.69	1.1	-209.8	209.8					
100.0	100.0	102.0	102.0	0.1	0.2	-89.69	1.1	-209.8	209.8	209.5	0.30	699.019		
116.0	116.0	118.0	118.0	0.2	0.2	-89.69	1.1	-209.8	209.8	209.5	0.36	589.448	CC	
200.0	200.0	201.9	201.9	0.3	0.3	-89.69	1.1	-209.8	209.8	209.2	0.65	323.262	ES	
250.0	250.0	250.2	250.2	0.4	0.4	-89.67	1.2	-210.1	210.1	209.2	0.82	255.954		
300.0	300.0	300.0	300.0	0.5	0.5	90.48	1.4	-210.7	210.7	209.7	1.00	211.734		
400.0	399.9	394.9	394.9	0.7	0.7	91.50	2.0	-213.0	213.2	211.9	1.34	158.730		
500.0	499.8	491.1	490.9	0.9	0.8	111.60	3.1	-217.0	218.5	216.8	1.70	128.551		
600.0	599.6	586.8	586.6	1.1	1.0	128.60	4.6	-222.4	227.2	225.2	2.06	110.542		
700.0	699.4	684.8	684.3	1.3	1.2	141.57	6.5	-229.2	239.1	236.7	2.41	99.022		
800.0	799.1	783.7	782.9	1.5	1.4	151.13	8.4	-236.1	252.9	250.1	2.77	91.197		
900.0	898.6	882.4	881.3	1.7	1.7	158.24	10.3	-243.0	268.5	265.4	3.13	85.839		
1,000.0	998.0	980.7	979.4	1.9	1.9	163.62	12.2	-249.9	285.9	282.4	3.48	82.169		
1,100.0	1,097.3	1,078.8	1,077.2	2.2	2.1	167.79	14.1	-256.8	305.0	301.2	3.83	79.699		
1,200.0	1,196.3	1,176.6	1,174.7	2.5	2.3	171.08	16.0	-263.6	325.9	321.7	4.17	78.112		
1,300.0	1,295.1	1,274.0	1,271.9	2.8	2.5	173.71	17.9	-270.4	348.4	343.9	4.51	77.192		
1,400.0	1,393.6	1,371.0	1,368.6	3.1	2.7	175.84	19.7	-277.2	372.7	367.8	4.85	76.785		
1,500.0	1,491.8	1,467.5	1,464.9	3.5	2.9	177.58	21.6	-284.0	398.5	393.4	5.19	76.785	SF	
1,600.0	1,589.7	1,563.7	1,560.8	3.8	3.1	179.02	23.4	-290.7	426.1	420.5	5.53	77.109		
1,700.0	1,687.2	1,659.3	1,656.2	4.2	3.3	-179.79	25.3	-297.4	455.2	449.3	5.86	77.697		
1,735.7	1,721.9	1,693.3	1,690.1	4.4	3.4	-179.42	25.9	-299.8	466.0	460.0	5.98	77.960		
1,800.0	1,784.4	1,754.6	1,751.2	4.7	3.5	-179.41	27.1	-304.0	485.6	479.5	6.19	78.437		
1,900.0	1,881.6	1,849.8	1,846.2	5.1	3.7	-179.38	29.0	-310.7	516.2	509.7	6.52	79.114		
2,000.0	1,978.8	1,945.0	1,941.2	5.5	3.9	-179.37	30.8	-317.4	546.7	539.9	6.86	79.722		
2,100.0	2,075.9	2,040.3	2,036.1	6.0	4.1	-179.35	32.6	-324.0	577.3	570.1	7.19	80.269		
2,200.0	2,173.1	2,135.5	2,131.1	6.4	4.3	-179.33	34.5	-330.7	607.8	600.3	7.53	80.766		
2,300.0	2,270.3	2,230.7	2,226.1	6.8	4.5	-179.32	36.3	-337.3	638.3	630.5	7.86	81.218		
2,400.0	2,367.5	2,325.9	2,321.1	7.3	4.7	-179.31	38.2	-344.0	668.9	660.7	8.19	81.631		
2,500.0	2,464.7	2,421.1	2,416.0	7.7	4.9	-179.30	40.0	-350.7	699.4	690.9	8.53	82.010		
2,600.0	2,561.9	2,516.4	2,511.0	8.2	5.2	-179.28	41.8	-357.3	729.9	721.1	8.86	82.360		
2,700.0	2,659.1	2,611.6	2,606.0	8.6	5.4	-179.27	43.7	-364.0	760.5	751.3	9.20	82.682		
2,800.0	2,756.2	2,706.8	2,700.9	9.1	5.6	-179.27	45.5	-370.6	791.0	781.5	9.53	82.981		
2,900.0	2,853.4	2,802.0	2,795.9	9.5	5.8	-179.26	47.3	-377.3	821.6	811.7	9.87	83.258		
3,000.0	2,950.6	2,897.3	2,890.9	10.0	6.0	-179.25	49.2	-384.0	852.1	841.9	10.20	83.517		
3,100.0	3,047.8	2,992.5	2,985.9	10.4	6.2	-179.24	51.0	-390.6	882.6	872.1	10.54	83.758		
3,200.0	3,145.0	3,087.7	3,080.8	10.9	6.4	-179.24	52.9	-397.3	913.2	902.3	10.87	83.983		
3,300.0	3,242.2	3,182.9	3,175.8	11.3	6.6	-179.23	54.7	-404.0	943.7	932.5	11.21	84.195		
3,400.0	3,339.4	3,278.2	3,270.8	11.8	6.8	-179.22	56.5	-410.6	974.2	962.7	11.54	84.394		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4B-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	1.0	1.0	0.0	0.0	-89.69	1.1	-200.0	200.1					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	1.1	-200.0	200.1	199.8	0.30	670.295		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	1.1	-200.0	200.1	199.4	0.65	308.950		
250.0	250.0	251.0	251.0	0.4	0.4	-89.69	1.1	-200.0	200.1	199.2	0.82	243.356 CC		
254.8	254.8	255.8	255.8	0.4	0.4	90.31	1.1	-200.0	200.1	199.2	0.84	238.460		
300.0	300.0	300.0	300.0	0.5	0.5	90.43	1.1	-200.0	200.1	199.1	1.00	201.049 ES		
400.0	399.9	397.2	397.2	0.7	0.7	91.47	1.4	-200.9	201.0	199.7	1.35	149.213		
500.0	499.8	493.2	493.2	0.9	0.8	111.67	2.5	-203.6	204.9	203.2	1.70	120.310		
600.0	599.6	590.9	590.8	1.1	1.0	128.85	4.1	-207.8	212.3	210.2	2.06	102.884		
700.0	699.4	690.3	690.0	1.3	1.2	141.96	5.9	-212.2	221.8	219.4	2.43	91.436		
800.0	799.1	789.5	789.1	1.5	1.4	151.64	7.6	-216.7	233.2	230.4	2.78	83.723		
900.0	898.6	888.5	888.0	1.7	1.6	158.84	9.4	-221.2	246.4	243.2	3.14	78.443		
1,000.0	998.0	987.3	986.7	1.9	1.8	164.32	11.1	-225.6	261.3	257.8	3.49	74.828		
1,100.0	1,097.3	1,085.8	1,085.1	2.2	2.0	168.57	12.9	-230.0	278.1	274.2	3.84	72.398		
1,200.0	1,196.3	1,184.0	1,183.2	2.5	2.2	171.92	14.6	-234.5	296.5	292.3	4.19	70.838		
1,300.0	1,295.1	1,281.9	1,281.0	2.8	2.3	174.59	16.3	-238.9	316.7	312.1	4.53	69.933		
1,400.0	1,393.6	1,379.5	1,378.4	3.1	2.5	176.75	18.1	-243.2	338.5	333.6	4.87	69.535		
1,500.0	1,491.8	1,476.7	1,475.5	3.5	2.7	178.51	19.8	-247.6	362.0	356.8	5.21	69.534 SF		
1,600.0	1,589.7	1,573.5	1,572.2	3.8	2.9	179.95	21.5	-252.0	387.1	381.6	5.54	69.851		
1,700.0	1,687.2	1,669.8	1,668.4	4.2	3.1	-178.87	23.2	-256.3	413.9	408.0	5.88	70.428		
1,735.7	1,721.9	1,704.1	1,702.6	4.4	3.2	-178.50	23.8	-257.8	423.9	417.9	6.00	70.685		
1,800.0	1,784.4	1,765.8	1,764.3	4.7	3.3	-178.49	24.9	-260.6	442.0	435.8	6.21	71.154		
1,900.0	1,881.6	1,861.8	1,860.1	5.1	3.5	-178.48	26.6	-264.9	470.2	463.6	6.55	71.817		
2,000.0	1,978.8	1,957.7	1,956.0	5.5	3.6	-178.47	28.3	-269.3	498.3	491.4	6.88	72.411		
2,100.0	2,075.9	2,053.7	2,051.8	6.0	3.8	-178.46	30.0	-273.6	526.5	519.3	7.22	72.946		
2,200.0	2,173.1	2,149.6	2,147.6	6.4	4.0	-178.45	31.7	-277.9	554.7	547.1	7.55	73.430		
2,300.0	2,270.3	2,245.6	2,243.5	6.8	4.2	-178.44	33.4	-282.2	582.8	575.0	7.89	73.871		
2,400.0	2,367.5	2,341.5	2,339.3	7.3	4.4	-178.43	35.1	-286.5	611.0	602.8	8.23	74.274		
2,500.0	2,464.7	2,437.5	2,435.1	7.7	4.6	-178.43	36.8	-290.8	639.2	630.6	8.56	74.643		
2,600.0	2,561.9	2,533.4	2,531.0	8.2	4.8	-178.42	38.5	-295.2	667.4	658.5	8.90	74.982		
2,700.0	2,659.1	2,629.4	2,626.8	8.6	4.9	-178.41	40.2	-299.5	695.5	686.3	9.24	75.296		
2,800.0	2,756.2	2,725.3	2,722.7	9.1	5.1	-178.41	41.8	-303.8	723.7	714.1	9.57	75.586		
2,900.0	2,853.4	2,821.3	2,818.5	9.5	5.3	-178.40	43.5	-308.1	751.9	742.0	9.91	75.855		
3,000.0	2,950.6	2,917.2	2,914.3	10.0	5.5	-178.40	45.2	-312.4	780.0	769.8	10.25	76.106		
3,100.0	3,047.8	3,013.2	3,010.2	10.4	5.7	-178.40	46.9	-316.7	808.2	797.6	10.59	76.340		
3,200.0	3,145.0	3,109.1	3,106.0	10.9	5.9	-178.39	48.6	-321.0	836.4	825.5	10.92	76.558		
3,300.0	3,242.2	3,205.1	3,201.8	11.3	6.1	-178.39	50.3	-325.4	864.6	853.3	11.26	76.763		
3,400.0	3,339.4	3,301.0	3,297.7	11.8	6.2	-178.39	52.0	-329.7	892.7	881.1	11.60	76.956		
3,500.0	3,436.5	3,397.0	3,393.5	12.2	6.4	-178.38	53.7	-334.0	920.9	909.0	11.94	77.137		
3,600.0	3,533.7	3,492.9	3,489.4	12.7	6.6	-178.38	55.4	-338.3	949.1	936.8	12.28	77.307		
3,700.0	3,630.9	3,588.9	3,585.2	13.1	6.8	-178.38	57.1	-342.6	977.2	964.6	12.61	77.468		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4C-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	1.0	1.0	0.0	0.0	-89.69	1.0	-190.0	190.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	1.0	-190.0	190.0	189.7	0.30	636.546		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	1.0	-190.0	190.0	189.3	0.65	293.395		
250.0	250.0	251.0	251.0	0.4	0.4	-89.69	1.0	-190.0	190.0	189.2	0.82	231.103 CC		
254.8	254.8	255.8	255.8	0.4	0.4	90.32	1.0	-190.0	190.0	189.1	0.84	226.439		
300.0	300.0	300.0	300.0	0.5	0.5	90.44	1.0	-190.0	190.0	189.0	1.00	190.927 ES		
400.0	399.9	398.2	398.2	0.7	0.7	91.59	1.5	-190.7	190.8	189.4	1.35	141.392		
500.0	499.8	496.5	496.4	0.9	0.8	111.99	2.8	-192.6	193.9	192.2	1.71	113.413		
600.0	599.6	596.1	596.1	1.1	1.0	129.29	4.3	-194.7	199.2	197.1	2.07	96.042		
700.0	699.4	695.7	695.6	1.3	1.2	142.47	5.7	-196.9	206.3	203.9	2.44	84.699		
800.0	799.1	795.2	795.0	1.5	1.4	152.22	7.2	-199.0	215.4	212.6	2.80	77.047		
900.0	898.6	894.4	894.3	1.7	1.6	159.51	8.6	-201.2	226.3	223.1	3.15	71.802		
1,000.0	998.0	993.5	993.3	1.9	1.7	165.06	10.1	-203.3	239.0	235.5	3.50	68.207		
1,100.0	1,097.3	1,092.4	1,092.2	2.2	1.9	169.37	11.5	-205.4	253.4	249.6	3.85	65.784		
1,200.0	1,196.3	1,191.1	1,190.8	2.5	2.1	172.76	13.0	-207.6	269.6	265.4	4.20	64.222		
1,300.0	1,295.1	1,289.4	1,289.1	2.8	2.3	175.46	14.4	-209.7	287.5	282.9	4.54	63.310		
1,400.0	1,393.6	1,387.5	1,387.1	3.1	2.4	177.64	15.8	-211.8	307.0	302.2	4.88	62.897		
1,500.0	1,491.8	1,485.2	1,484.8	3.5	2.6	179.39	17.3	-213.9	328.3	323.0	5.22	62.878 SF		
1,600.0	1,589.7	1,582.5	1,582.1	3.8	2.8	-179.18	18.7	-216.0	351.1	345.6	5.56	63.174		
1,700.0	1,687.2	1,679.5	1,679.0	4.2	3.0	-178.01	20.1	-218.1	375.6	369.7	5.89	63.726		
1,735.7	1,721.9	1,713.9	1,713.5	4.4	3.0	-177.65	20.6	-218.8	384.8	378.8	6.01	63.974		
1,800.0	1,784.4	1,776.1	1,775.6	4.7	3.1	-177.66	21.5	-220.2	401.4	395.2	6.23	64.427		
1,900.0	1,881.6	1,872.7	1,872.2	5.1	3.3	-177.66	22.9	-222.2	427.3	420.8	6.57	65.066		
2,000.0	1,978.8	1,969.2	1,968.7	5.5	3.5	-177.67	24.3	-224.3	453.2	446.3	6.91	65.639		
2,100.0	2,075.9	2,065.8	2,065.3	6.0	3.7	-177.68	25.7	-226.4	479.2	471.9	7.24	66.154		
2,200.0	2,173.1	2,162.4	2,161.8	6.4	3.8	-177.68	27.1	-228.5	505.1	497.5	7.58	66.620		
2,300.0	2,270.3	2,259.0	2,258.4	6.8	4.0	-177.69	28.6	-230.6	531.0	523.0	7.92	67.044		
2,400.0	2,367.5	2,355.6	2,354.9	7.3	4.2	-177.69	30.0	-232.6	556.9	548.6	8.26	67.431		
2,500.0	2,464.7	2,452.2	2,451.5	7.7	4.4	-177.69	31.4	-234.7	582.8	574.2	8.60	67.786		
2,600.0	2,561.9	2,548.8	2,548.0	8.2	4.5	-177.70	32.8	-236.8	608.7	599.7	8.94	68.112		
2,700.0	2,659.1	2,645.4	2,644.6	8.6	4.7	-177.70	34.2	-238.9	634.6	625.3	9.28	68.412		
2,800.0	2,756.2	2,741.9	2,741.1	9.1	4.9	-177.70	35.6	-241.0	660.5	650.9	9.62	68.691		
2,900.0	2,853.4	2,838.5	2,837.7	9.5	5.1	-177.71	37.0	-243.0	686.4	676.4	9.96	68.949		
3,000.0	2,950.6	2,935.1	2,934.3	10.0	5.2	-177.71	38.4	-245.1	712.3	702.0	10.29	69.189		
3,100.0	3,047.8	3,031.7	3,030.8	10.4	5.4	-177.71	39.8	-247.2	738.2	727.6	10.63	69.414		
3,200.0	3,145.0	3,128.3	3,127.4	10.9	5.6	-177.71	41.2	-249.3	764.1	753.1	10.97	69.623		
3,300.0	3,242.2	3,224.9	3,223.9	11.3	5.8	-177.72	42.7	-251.4	790.0	778.7	11.32	69.820		
3,400.0	3,339.4	3,321.5	3,320.5	11.8	5.9	-177.72	44.1	-253.4	815.9	804.3	11.66	70.004		
3,500.0	3,436.5	3,418.0	3,417.0	12.2	6.1	-177.72	45.5	-255.5	841.8	829.8	12.00	70.177		
3,600.0	3,533.7	3,514.6	3,513.6	12.7	6.3	-177.72	46.9	-257.6	867.7	855.4	12.34	70.341		
3,700.0	3,630.9	3,611.2	3,610.1	13.1	6.5	-177.72	48.3	-259.7	893.6	881.0	12.68	70.495		
3,800.0	3,728.1	3,707.8	3,706.7	13.6	6.6	-177.72	49.7	-261.8	919.5	906.5	13.02	70.641		
3,900.0	3,825.3	3,804.4	3,803.2	14.0	6.8	-177.72	51.1	-263.8	945.4	932.1	13.36	70.779		
4,000.0	3,922.5	3,901.0	3,899.8	14.5	7.0	-177.73	52.5	-265.9	971.3	957.6	13.70	70.910		
4,100.0	4,019.6	3,997.6	3,996.3	14.9	7.1	-177.73	53.9	-268.0	997.3	983.2	14.04	71.034		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4D-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	1.0	1.0	0.0	0.0	-89.69	1.0	-179.9	179.9					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	1.0	-179.9	179.9	179.6	0.30	602.797		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	1.0	-179.9	179.9	179.3	0.65	277.839		
250.0	250.0	251.0	251.0	0.4	0.4	-89.69	1.0	-179.9	179.9	179.1	0.82	218.850	CC	
300.0	300.0	301.0	301.0	0.5	0.5	90.45	1.0	-179.9	179.9	178.9	1.00	180.484		
400.0	399.9	401.0	401.0	0.7	0.7	91.56	1.0	-179.9	180.0	178.6	1.35	132.920		
500.0	499.8	504.1	504.1	0.9	0.9	111.80	1.0	-179.0	180.1	178.4	1.72	104.605		
600.0	599.6	607.2	607.1	1.1	1.0	128.96	1.0	-176.2	180.4	178.3	2.09	86.270		
700.0	699.4	710.3	710.1	1.3	1.2	142.14	1.0	-171.5	180.8	178.3	2.46	73.515	ES	
800.0	799.1	810.7	810.4	1.5	1.4	152.01	0.9	-165.8	181.8	179.0	2.82	64.457		
900.0	898.6	910.6	910.1	1.7	1.6	159.48	0.9	-160.0	184.7	181.5	3.18	58.102		
1,000.0	998.0	1,010.4	1,009.7	1.9	1.8	165.25	0.9	-154.3	189.3	185.8	3.53	53.600		
1,100.0	1,097.3	1,110.1	1,109.3	2.2	2.0	169.79	0.9	-148.5	195.8	191.9	3.88	50.421		
1,200.0	1,196.3	1,209.7	1,208.7	2.5	2.2	173.41	0.9	-142.8	204.0	199.8	4.23	48.217		
1,300.0	1,295.1	1,309.2	1,308.0	2.8	2.4	176.31	0.8	-137.1	214.0	209.4	4.58	46.748		
1,400.0	1,393.6	1,408.5	1,407.2	3.1	2.6	178.64	0.8	-131.4	225.6	220.7	4.92	45.848		
1,500.0	1,491.8	1,507.6	1,506.1	3.5	2.8	-179.50	0.8	-125.7	239.0	233.7	5.26	45.395		
1,600.0	1,589.7	1,606.4	1,604.8	3.8	3.0	-178.00	0.8	-120.0	254.0	248.3	5.61	45.301	SF	
1,700.0	1,687.2	1,705.0	1,703.2	4.2	3.2	-176.82	0.8	-114.3	270.6	264.7	5.95	45.499		
1,735.7	1,721.9	1,740.1	1,738.3	4.4	3.3	-176.46	0.8	-112.3	277.0	270.9	6.07	45.630		
1,800.0	1,784.4	1,803.4	1,801.5	4.7	3.4	-176.46	0.8	-108.7	288.6	282.3	6.29	45.881		
1,900.0	1,881.6	1,901.8	1,899.6	5.1	3.6	-176.46	0.7	-103.0	306.7	300.0	6.63	46.235		
2,000.0	1,978.8	2,000.1	1,997.8	5.5	3.8	-176.46	0.7	-97.3	324.7	317.8	6.98	46.549		
2,100.0	2,075.9	2,098.5	2,096.0	6.0	4.0	-176.46	0.7	-91.7	342.8	335.5	7.32	46.830		
2,200.0	2,173.1	2,196.8	2,194.2	6.4	4.2	-176.46	0.7	-86.0	360.9	353.2	7.66	47.083		
2,300.0	2,270.3	2,295.2	2,292.4	6.8	4.4	-176.46	0.7	-80.4	378.9	370.9	8.01	47.312		
2,400.0	2,367.5	2,393.5	2,390.6	7.3	4.6	-176.46	0.6	-74.7	397.0	388.7	8.35	47.520		
2,500.0	2,464.7	2,491.9	2,488.8	7.7	4.8	-176.46	0.6	-69.1	415.1	406.4	8.70	47.710		
2,600.0	2,561.9	2,590.2	2,587.0	8.2	5.0	-176.46	0.6	-63.4	433.2	424.1	9.05	47.884		
2,700.0	2,659.1	2,688.6	2,685.2	8.6	5.2	-176.45	0.6	-57.7	451.2	441.8	9.39	48.044		
2,800.0	2,756.2	2,786.9	2,783.4	9.1	5.3	-176.45	0.6	-52.1	469.3	459.6	9.74	48.191		
2,900.0	2,853.4	2,885.3	2,881.5	9.5	5.5	-176.45	0.6	-46.4	487.4	477.3	10.09	48.327		
3,000.0	2,950.6	2,983.7	2,979.7	10.0	5.7	-176.45	0.5	-40.8	505.5	495.0	10.43	48.454		
3,100.0	3,047.8	3,082.0	3,077.9	10.4	5.9	-176.45	0.5	-35.1	523.5	512.8	10.78	48.571		
3,200.0	3,145.0	3,180.4	3,176.1	10.9	6.1	-176.45	0.5	-29.5	541.6	530.5	11.13	48.681		
3,300.0	3,242.2	3,278.7	3,274.3	11.3	6.3	-176.45	0.5	-23.8	559.7	548.2	11.47	48.783		
3,400.0	3,339.4	3,377.1	3,372.5	11.8	6.5	-176.45	0.5	-18.1	577.8	565.9	11.82	48.879		
3,500.0	3,436.5	3,475.4	3,470.7	12.2	6.7	-176.45	0.4	-12.5	595.8	583.7	12.17	48.969		
3,600.0	3,533.7	3,573.8	3,568.9	12.7	6.9	-176.45	0.4	-6.8	613.9	601.4	12.52	49.053		
3,700.0	3,630.9	3,672.1	3,667.1	13.1	7.1	-176.45	0.4	-1.2	632.0	619.1	12.86	49.133		
3,800.0	3,728.1	3,770.5	3,765.3	13.6	7.3	-176.45	0.4	4.5	650.0	636.8	13.21	49.208		
3,900.0	3,825.3	3,868.8	3,863.5	14.0	7.5	-176.45	0.4	10.2	668.1	654.6	13.56	49.279		
4,000.0	3,922.5	3,967.2	3,961.6	14.5	7.7	-176.45	0.4	15.8	686.2	672.3	13.91	49.346		
4,100.0	4,019.6	4,065.5	4,059.8	14.9	7.9	-176.45	0.3	21.5	704.3	690.0	14.25	49.409		
4,200.0	4,116.8	4,163.9	4,158.0	15.4	8.1	-176.45	0.3	27.1	722.3	707.7	14.60	49.470		
4,300.0	4,214.0	4,262.2	4,256.2	15.8	8.3	-176.45	0.3	32.8	740.4	725.5	14.95	49.527		
4,400.0	4,311.2	4,360.6	4,354.4	16.3	8.5	-176.45	0.3	38.4	758.5	743.2	15.30	49.582		
4,500.0	4,408.4	4,459.0	4,452.6	16.7	8.7	-176.45	0.3	44.1	776.6	760.9	15.65	49.633		
4,600.0	4,505.6	4,557.3	4,550.8	17.2	8.9	-176.45	0.2	49.8	794.6	778.6	15.99	49.683		
4,700.0	4,602.8	4,655.7	4,649.0	17.7	9.1	-176.45	0.2	55.4	812.7	796.4	16.34	49.730		
4,800.0	4,699.9	4,754.0	4,747.2	18.1	9.3	-176.45	0.2	61.1	830.8	814.1	16.69	49.776		
4,900.0	4,797.1	4,852.4	4,845.4	18.6	9.5	-176.45	0.2	66.7	848.9	831.8	17.04	49.819		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
5,000.0	4,894.3	4,950.7	4,943.5	19.0	9.7	-176.45	0.2	72.4	866.9	849.5	17.39	49.860			
5,100.0	4,991.5	5,049.1	5,041.7	19.5	9.9	-176.45	0.2	78.0	885.0	867.3	17.74	49.900			
5,200.0	5,088.7	5,147.4	5,139.9	19.9	10.1	-176.45	0.1	83.7	903.1	885.0	18.08	49.938			
5,300.0	5,185.9	5,245.8	5,238.1	20.4	10.3	-176.45	0.1	89.4	921.1	902.7	18.43	49.974			
5,400.0	5,283.0	5,344.1	5,336.3	20.8	10.5	-176.45	0.1	95.0	939.2	920.4	18.78	50.010			
5,500.0	5,380.2	5,442.5	5,434.5	21.3	10.7	-176.45	0.1	100.7	957.3	938.2	19.13	50.043			
5,600.0	5,477.4	5,540.8	5,532.7	21.8	10.9	-176.45	0.1	106.3	975.4	955.9	19.48	50.076			
5,700.0	5,574.6	5,639.2	5,630.9	22.2	11.1	-176.45	0.0	112.0	993.4	973.6	19.83	50.107			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4E-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	1.0	1.0	0.0	0.0	-89.62	1.1	-170.1	170.1					
100.0	100.0	101.0	101.0	0.1	0.2	-89.62	1.1	-170.1	170.1	169.8	0.30	569.990		
200.0	200.0	201.0	201.0	0.3	0.3	-89.62	1.1	-170.1	170.1	169.5	0.65	262.718		
250.0	250.0	251.0	251.0	0.4	0.4	-89.62	1.1	-170.1	170.1	169.3	0.82	206.939	CC	
300.0	300.0	301.0	301.0	0.5	0.5	90.53	1.1	-170.1	170.1	169.1	1.00	170.662		
400.0	399.9	401.0	401.0	0.7	0.7	91.70	1.1	-170.1	170.2	168.8	1.35	125.694		
500.0	499.8	503.9	503.9	0.9	0.9	112.03	1.1	-169.2	170.4	168.7	1.72	98.955		
600.0	599.6	606.8	606.8	1.1	1.0	129.29	1.1	-166.4	170.7	168.6	2.09	81.646	ES	
700.0	699.4	709.7	709.6	1.3	1.2	142.57	1.1	-161.7	171.1	168.6	2.46	69.613		
800.0	799.1	812.6	812.3	1.5	1.4	152.59	1.1	-155.3	171.6	168.8	2.82	60.805		
900.0	898.6	914.8	914.1	1.7	1.6	160.30	1.1	-147.0	172.2	169.1	3.18	54.131		
1,000.0	998.0	1,014.7	1,013.6	1.9	1.9	166.33	1.1	-138.5	174.2	170.7	3.54	49.273		
1,100.0	1,097.3	1,114.5	1,113.1	2.2	2.1	171.13	1.1	-130.0	178.0	174.1	3.89	45.800		
1,200.0	1,196.3	1,214.3	1,212.5	2.5	2.3	174.98	1.0	-121.4	183.6	179.4	4.24	43.346		
1,300.0	1,295.1	1,314.0	1,311.8	2.8	2.5	178.10	1.0	-112.9	190.9	186.4	4.58	41.660		
1,400.0	1,393.6	1,413.5	1,411.0	3.1	2.7	-179.40	1.0	-104.4	200.0	195.0	4.93	40.566		
1,500.0	1,491.8	1,512.9	1,510.1	3.5	3.0	-177.40	1.0	-95.9	210.7	205.4	5.28	39.937		
1,600.0	1,589.7	1,612.2	1,608.9	3.8	3.2	-175.81	1.0	-87.4	223.1	217.4	5.62	39.681	SF	
1,700.0	1,687.2	1,711.2	1,707.6	4.2	3.4	-174.57	1.0	-79.0	237.1	231.1	5.97	39.729		
1,735.7	1,721.9	1,746.4	1,742.7	4.4	3.5	-174.20	1.0	-76.0	242.5	236.4	6.09	39.809		
1,800.0	1,784.4	1,810.0	1,806.0	4.7	3.6	-174.18	1.0	-70.5	252.4	246.1	6.31	39.973		
1,900.0	1,881.6	1,908.8	1,904.5	5.1	3.8	-174.16	0.9	-62.1	267.8	261.1	6.66	40.200		
2,000.0	1,978.8	2,007.6	2,002.9	5.5	4.1	-174.14	0.9	-53.6	283.2	276.2	7.01	40.398		
2,100.0	2,075.9	2,106.4	2,101.4	6.0	4.3	-174.12	0.9	-45.2	298.6	291.3	7.36	40.573		
2,200.0	2,173.1	2,205.2	2,199.8	6.4	4.5	-174.10	0.9	-36.7	314.1	306.3	7.71	40.728		
2,300.0	2,270.3	2,304.0	2,298.2	6.8	4.7	-174.09	0.9	-28.3	329.5	321.4	8.06	40.867		
2,400.0	2,367.5	2,402.8	2,396.7	7.3	5.0	-174.07	0.9	-19.9	344.9	336.5	8.41	40.991		
2,500.0	2,464.7	2,501.6	2,495.1	7.7	5.2	-174.06	0.9	-11.4	360.3	351.5	8.77	41.103		
2,600.0	2,561.9	2,600.4	2,593.6	8.2	5.4	-174.05	0.8	-3.0	375.7	366.6	9.12	41.203		
2,700.0	2,659.1	2,699.2	2,692.0	8.6	5.6	-174.04	0.8	5.5	391.2	381.7	9.47	41.295		
2,800.0	2,756.2	2,798.0	2,790.5	9.1	5.9	-174.03	0.8	13.9	406.6	396.7	9.83	41.379		
2,900.0	2,853.4	2,896.8	2,888.9	9.5	6.1	-174.02	0.8	22.4	422.0	411.8	10.18	41.455		
3,000.0	2,950.6	2,995.6	2,987.3	10.0	6.3	-174.01	0.8	30.8	437.4	426.9	10.53	41.525		
3,100.0	3,047.8	3,094.4	3,085.8	10.4	6.5	-174.00	0.8	39.3	452.8	441.9	10.89	41.590		
3,200.0	3,145.0	3,193.2	3,184.2	10.9	6.8	-173.99	0.7	47.7	468.3	457.0	11.24	41.650		
3,300.0	3,242.2	3,292.1	3,282.7	11.3	7.0	-173.98	0.7	56.2	483.7	472.1	11.60	41.705		
3,400.0	3,339.4	3,390.9	3,381.1	11.8	7.2	-173.98	0.7	64.6	499.1	487.1	11.95	41.756		
3,500.0	3,436.5	3,489.7	3,479.5	12.2	7.5	-173.97	0.7	73.1	514.5	502.2	12.31	41.804		
3,600.0	3,533.7	3,588.5	3,578.0	12.7	7.7	-173.97	0.7	81.5	529.9	517.3	12.66	41.848		
3,700.0	3,630.9	3,687.3	3,676.4	13.1	7.9	-173.96	0.7	89.9	545.3	532.3	13.02	41.889		
3,800.0	3,728.1	3,786.1	3,774.9	13.6	8.1	-173.95	0.7	98.4	560.8	547.4	13.37	41.928		
3,900.0	3,825.3	3,884.9	3,873.3	14.0	8.4	-173.95	0.6	106.8	576.2	562.5	13.73	41.965		
4,000.0	3,922.5	3,983.7	3,971.8	14.5	8.6	-173.95	0.6	115.3	591.6	577.5	14.09	41.999		
4,100.0	4,019.6	4,082.5	4,070.2	14.9	8.8	-173.94	0.6	123.7	607.0	592.6	14.44	42.031		
4,200.0	4,116.8	4,181.3	4,168.6	15.4	9.0	-173.94	0.6	132.2	622.4	607.6	14.80	42.061		
4,300.0	4,214.0	4,280.1	4,267.1	15.8	9.3	-173.93	0.6	140.6	637.9	622.7	15.15	42.090		
4,400.0	4,311.2	4,378.9	4,365.5	16.3	9.5	-173.93	0.6	149.1	653.3	637.8	15.51	42.117		
4,500.0	4,408.4	4,477.7	4,464.0	16.7	9.7	-173.92	0.6	157.5	668.7	652.8	15.87	42.143		
4,600.0	4,505.6	4,576.5	4,562.4	17.2	9.9	-173.92	0.5	166.0	684.1	667.9	16.22	42.167		
4,700.0	4,602.8	4,675.3	4,660.9	17.7	10.2	-173.92	0.5	174.4	699.5	683.0	16.58	42.190		
4,800.0	4,699.9	4,774.1	4,759.3	18.1	10.4	-173.91	0.5	182.9	715.0	698.0	16.94	42.212		
4,900.0	4,797.1	4,872.9	4,857.7	18.6	10.6	-173.91	0.5	191.3	730.4	713.1	17.29	42.233		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4E-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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		
5,000.0	4,894.3	4,971.7	4,956.2	19.0	10.9	-173.91	0.5	199.7	745.8	728.1	17.65	42.253		
5,100.0	4,991.5	5,070.5	5,054.6	19.5	11.1	-173.91	0.5	208.2	761.2	743.2	18.01	42.272		
5,200.0	5,088.7	5,169.3	5,153.1	19.9	11.3	-173.90	0.4	216.6	776.6	758.3	18.36	42.290		
5,300.0	5,185.9	5,268.1	5,251.5	20.4	11.5	-173.90	0.4	225.1	792.1	773.3	18.72	42.307		
5,400.0	5,283.0	5,366.9	5,350.0	20.8	11.8	-173.90	0.4	233.5	807.5	788.4	19.08	42.324		
5,500.0	5,380.2	5,465.7	5,448.4	21.3	12.0	-173.90	0.4	242.0	822.9	803.5	19.44	42.340		
5,600.0	5,477.4	5,564.5	5,546.8	21.8	12.2	-173.89	0.4	250.4	838.3	818.5	19.79	42.355		
5,700.0	5,574.6	5,663.3	5,645.3	22.2	12.4	-173.89	0.4	258.9	853.7	833.6	20.15	42.369		
5,800.0	5,671.8	5,762.2	5,743.7	22.7	12.7	-173.89	0.4	267.3	869.2	848.6	20.51	42.383		
5,900.0	5,769.0	5,861.0	5,842.2	23.1	12.9	-173.89	0.3	275.8	884.6	863.7	20.86	42.397		
6,000.0	5,866.2	5,959.8	5,940.6	23.6	13.1	-173.88	0.3	284.2	900.0	878.8	21.22	42.409		
6,100.0	5,963.3	6,058.6	6,039.1	24.0	13.3	-173.88	0.3	292.7	915.4	893.8	21.58	42.422		
6,200.0	6,060.5	6,157.4	6,137.5	24.5	13.6	-173.88	0.3	301.1	930.8	908.9	21.94	42.434		
6,300.0	6,157.7	6,256.2	6,235.9	24.9	13.8	-173.88	0.3	309.5	946.3	924.0	22.29	42.445		
6,400.0	6,254.9	6,355.0	6,334.4	25.4	14.0	-173.88	0.3	318.0	961.7	939.0	22.65	42.456		
6,500.0	6,352.1	6,453.8	6,432.8	25.9	14.3	-173.88	0.3	326.4	977.1	954.1	23.01	42.467		
6,600.0	6,449.3	6,552.6	6,531.3	26.3	14.5	-173.87	0.2	334.9	992.5	969.1	23.37	42.477		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4F-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink 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 Tooface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	1.0	1.0	0.0	0.0	-89.59	1.1	-160.0	160.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.59	1.1	-160.0	160.0	159.7	0.30	536.242		
116.3	116.3	117.3	117.3	0.2	0.2	-89.59	1.1	-160.0	160.0	159.7	0.36	450.247 CC		
200.0	200.0	201.0	201.0	0.3	0.3	-89.59	1.1	-160.0	160.0	159.4	0.65	247.159		
250.0	250.0	251.0	251.0	0.4	0.4	-89.51	1.4	-160.0	160.0	159.2	0.82	194.581		
300.0	300.0	301.0	301.0	0.5	0.5	90.88	2.0	-160.0	160.1	159.1	1.00	160.422		
400.0	399.9	400.7	400.6	0.7	0.7	93.06	4.6	-160.0	160.3	158.9	1.36	117.870 ES		
500.0	499.8	500.0	499.9	0.9	0.9	114.93	9.0	-160.0	161.9	160.2	1.73	93.394		
600.0	599.6	598.9	598.6	1.1	1.1	134.13	15.0	-160.0	166.2	164.0	2.12	78.482		
700.0	699.4	700.9	700.4	1.3	1.3	149.33	21.6	-159.3	172.1	169.6	2.50	68.799		
800.0	799.1	803.3	802.5	1.5	1.5	160.71	27.3	-157.0	178.7	175.8	2.88	62.044		
900.0	898.6	905.9	905.0	1.7	1.7	169.27	31.9	-153.2	185.6	182.4	3.25	57.078		
1,000.0	998.0	1,008.7	1,007.6	1.9	1.9	175.79	35.6	-147.9	192.7	189.1	3.62	53.249		
1,100.0	1,097.3	1,111.8	1,110.4	2.2	2.1	-179.20	38.2	-141.0	199.9	195.9	3.98	50.171		
1,200.0	1,196.3	1,215.0	1,213.3	2.5	2.3	-175.33	39.8	-132.5	206.9	202.6	4.35	47.608		
1,300.0	1,295.1	1,318.5	1,316.3	2.8	2.5	-172.36	40.3	-122.5	213.9	209.2	4.71	45.411		
1,400.0	1,393.6	1,421.8	1,419.0	3.1	2.7	-170.12	39.9	-110.9	220.6	215.5	5.07	43.488		
1,500.0	1,491.8	1,521.6	1,518.0	3.5	3.0	-168.44	39.0	-99.2	228.2	222.7	5.44	41.978		
1,600.0	1,589.7	1,621.1	1,616.9	3.8	3.2	-167.19	38.1	-87.4	237.3	231.5	5.80	40.914		
1,700.0	1,687.2	1,720.6	1,715.6	4.2	3.4	-166.29	37.2	-75.7	247.9	241.7	6.16	40.220		
1,735.7	1,721.9	1,756.0	1,750.8	4.4	3.5	-166.05	36.9	-71.5	252.1	245.8	6.29	40.052		
1,800.0	1,784.4	1,819.8	1,814.2	4.7	3.7	-166.25	36.4	-63.9	259.8	253.2	6.53	39.792		
1,900.0	1,881.6	1,919.1	1,912.7	5.1	3.9	-166.55	35.5	-52.2	271.8	264.9	6.89	39.420		
2,000.0	1,978.8	2,018.4	2,011.3	5.5	4.2	-166.83	34.6	-40.5	283.8	276.5	7.26	39.083		
2,100.0	2,075.9	2,117.7	2,109.9	6.0	4.4	-167.08	33.7	-28.8	295.7	288.1	7.63	38.778		
2,200.0	2,173.1	2,216.9	2,208.5	6.4	4.7	-167.31	32.9	-17.0	307.8	299.8	7.99	38.500		
2,300.0	2,270.3	2,316.2	2,307.0	6.8	4.9	-167.52	32.0	-5.3	319.8	311.4	8.36	38.247		
2,400.0	2,367.5	2,415.5	2,405.6	7.3	5.2	-167.72	31.1	6.4	331.8	323.0	8.73	38.016		
2,500.0	2,464.7	2,514.7	2,504.2	7.7	5.5	-167.91	30.3	18.1	343.8	334.7	9.09	37.803		
2,600.0	2,561.9	2,614.0	2,602.7	8.2	5.7	-168.08	29.4	29.9	355.8	346.3	9.46	37.608		
2,700.0	2,659.1	2,713.3	2,701.3	8.6	6.0	-168.24	28.5	41.6	367.8	358.0	9.83	37.428		
2,800.0	2,756.2	2,812.5	2,799.9	9.1	6.2	-168.39	27.6	53.3	379.8	369.7	10.19	37.261		
2,900.0	2,853.4	2,911.8	2,898.5	9.5	6.5	-168.53	26.8	65.0	391.9	381.3	10.56	37.107		
3,000.0	2,950.6	3,011.1	2,997.0	10.0	6.8	-168.67	25.9	76.8	403.9	393.0	10.93	36.964		
3,100.0	3,047.8	3,110.4	3,095.6	10.4	7.0	-168.79	25.0	88.5	415.9	404.6	11.29	36.830		
3,200.0	3,145.0	3,209.6	3,194.2	10.9	7.3	-168.91	24.1	100.2	428.0	416.3	11.66	36.706		
3,300.0	3,242.2	3,308.9	3,292.7	11.3	7.5	-169.02	23.3	112.0	440.0	428.0	12.03	36.589		
3,400.0	3,339.4	3,408.2	3,391.3	11.8	7.8	-169.13	22.4	123.7	452.0	439.6	12.39	36.480		
3,500.0	3,436.5	3,507.4	3,489.9	12.2	8.1	-169.23	21.5	135.4	464.1	451.3	12.76	36.378		
3,600.0	3,533.7	3,606.7	3,588.4	12.7	8.3	-169.32	20.6	147.1	476.1	463.0	13.12	36.282		
3,700.0	3,630.9	3,706.0	3,687.0	13.1	8.6	-169.41	19.8	158.9	488.1	474.7	13.49	36.191		
3,800.0	3,728.1	3,805.2	3,785.6	13.6	8.9	-169.50	18.9	170.6	500.2	486.3	13.85	36.106		
3,900.0	3,825.3	3,904.5	3,884.2	14.0	9.1	-169.58	18.0	182.3	512.2	498.0	14.22	36.025		
4,000.0	3,922.5	4,003.8	3,982.7	14.5	9.4	-169.66	17.1	194.0	524.3	509.7	14.58	35.948		
4,100.0	4,019.6	4,103.1	4,081.3	14.9	9.7	-169.74	16.3	205.8	536.3	521.4	14.95	35.876		
4,200.0	4,116.8	4,202.3	4,179.9	15.4	9.9	-169.81	15.4	217.5	548.4	533.0	15.31	35.807		
4,300.0	4,214.0	4,301.6	4,278.4	15.8	10.2	-169.88	14.5	229.2	560.4	544.7	15.68	35.742		
4,400.0	4,311.2	4,400.9	4,377.0	16.3	10.5	-169.94	13.7	240.9	572.5	556.4	16.04	35.680		
4,500.0	4,408.4	4,500.1	4,475.6	16.7	10.7	-170.01	12.8	252.7	584.5	568.1	16.41	35.621		
4,600.0	4,505.6	4,599.4	4,574.2	17.2	11.0	-170.07	11.9	264.4	596.5	579.8	16.77	35.564		
4,700.0	4,602.8	4,698.7	4,672.7	17.7	11.3	-170.12	11.0	276.1	608.6	591.5	17.14	35.511		
4,800.0	4,699.9	4,797.9	4,771.3	18.1	11.5	-170.18	10.2	287.8	620.6	603.1	17.50	35.459		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4F-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
4,900.0	4,797.1	4,897.2	4,869.9	18.6	11.8	-170.23	9.3	299.6	632.7	614.8	17.87	35.410		
5,000.0	4,894.3	4,996.5	4,968.4	19.0	12.1	-170.28	8.4	311.3	644.7	626.5	18.23	35.363		
5,100.0	4,991.5	5,095.7	5,067.0	19.5	12.3	-170.33	7.5	323.0	656.8	638.2	18.60	35.318		
5,200.0	5,088.7	5,195.0	5,165.6	19.9	12.6	-170.38	6.7	334.7	668.8	649.9	18.96	35.275		
5,300.0	5,185.9	5,294.3	5,264.2	20.4	12.9	-170.43	5.8	346.5	680.9	661.6	19.33	35.233		
5,400.0	5,283.0	5,393.6	5,362.7	20.8	13.1	-170.47	4.9	358.2	692.9	673.3	19.69	35.194		
5,500.0	5,380.2	5,492.8	5,461.3	21.3	13.4	-170.52	4.0	369.9	705.0	684.9	20.05	35.155		
5,600.0	5,477.4	5,592.1	5,559.9	21.8	13.7	-170.56	3.2	381.6	717.0	696.6	20.42	35.119		
5,700.0	5,574.6	5,691.4	5,658.4	22.2	14.0	-170.60	2.3	393.4	729.1	708.3	20.78	35.083		
5,800.0	5,671.8	5,790.6	5,757.0	22.7	14.2	-170.64	1.4	405.1	741.2	720.0	21.15	35.048		
5,900.0	5,769.0	5,889.9	5,855.6	23.1	14.5	-170.68	0.5	416.8	753.2	731.7	21.51	35.016		
6,000.0	5,866.2	5,989.2	5,954.2	23.6	14.8	-170.71	-0.3	428.5	765.3	743.4	21.87	34.984		
6,100.0	5,963.3	6,088.4	6,052.7	24.0	15.0	-170.75	-1.2	440.3	777.3	755.1	22.24	34.954		
6,200.0	6,060.5	6,187.7	6,151.3	24.5	15.3	-170.78	-2.1	452.0	789.4	766.8	22.60	34.924		
6,300.0	6,157.7	6,287.0	6,249.9	24.9	15.6	-170.82	-2.9	463.7	801.4	778.5	22.97	34.896		
6,400.0	6,254.9	6,386.3	6,348.4	25.4	15.8	-170.85	-3.8	475.5	813.5	790.1	23.33	34.868		
6,500.0	6,352.1	6,485.5	6,447.0	25.9	16.1	-170.88	-4.7	487.2	825.5	801.8	23.69	34.842		
6,600.0	6,449.3	6,584.8	6,545.6	26.3	16.4	-170.91	-5.6	498.9	837.6	813.5	24.06	34.816		
6,700.0	6,546.4	6,684.1	6,644.1	26.8	16.6	-170.94	-6.4	510.6	849.6	825.2	24.42	34.791		
6,800.0	6,643.6	6,783.3	6,742.7	27.2	16.9	-170.97	-7.3	522.4	861.7	836.9	24.79	34.767		
6,900.0	6,740.8	6,882.6	6,841.3	27.7	17.2	-171.00	-8.2	534.1	873.8	848.6	25.15	34.743		
6,930.8	6,770.8	6,913.2	6,871.7	27.8	17.3	-171.00	-8.5	537.7	877.5	852.2	25.26	34.736		
6,950.0	6,789.4	6,932.2	6,890.6	27.9	17.3	-164.54	-8.6	539.9	879.7	854.4	25.33	34.729		
7,000.0	6,838.0	6,981.9	6,939.9	28.1	17.4	-147.72	-9.1	545.8	884.7	859.2	25.50	34.694		
7,050.0	6,886.5	7,031.3	6,989.0	28.3	17.6	-133.02	-9.5	551.6	888.5	862.8	25.65	34.644		
7,100.0	6,934.6	7,101.9	7,059.0	28.5	17.8	-122.12	-11.9	560.0	890.8	865.0	25.78	34.551		
7,150.0	6,982.0	7,181.0	7,136.7	28.7	18.0	-115.25	-22.6	569.4	890.4	864.7	25.78	34.541		
7,200.0	7,028.5	7,250.2	7,203.5	28.8	18.2	-111.23	-38.9	577.6	888.1	862.4	25.69	34.570		
7,250.0	7,074.0	7,308.4	7,258.1	29.0	18.4	-109.03	-57.6	584.5	884.8	859.2	25.62	34.539		
7,300.0	7,118.1	7,355.6	7,301.2	29.1	18.5	-107.87	-76.0	589.9	881.4	855.8	25.62	34.403		
7,350.0	7,160.7	7,392.8	7,334.3	29.3	18.6	-107.19	-92.6	594.1	878.8	853.1	25.72	34.162		
7,400.0	7,201.5	7,421.3	7,359.1	29.4	18.7	-106.65	-106.4	597.3	877.5	851.6	25.92	33.854		
7,409.3	7,208.9	7,425.8	7,362.9	29.4	18.8	-106.55	-108.6	597.8	877.5	851.5	25.97	33.791		
7,450.0	7,240.4	7,442.5	7,377.1	29.5	18.8	-106.05	-117.3	599.6	878.2	852.0	26.19	33.536		
7,500.0	7,277.2	7,457.5	7,389.6	29.6	18.9	-105.27	-125.3	601.3	881.1	854.6	26.50	33.247		
7,550.0	7,311.7	7,467.4	7,397.8	29.8	18.9	-104.26	-130.7	602.3	886.3	859.5	26.84	33.023		
7,600.0	7,343.7	7,472.9	7,402.3	29.9	18.9	-102.99	-133.9	602.9	894.0	866.9	27.19	32.887		
7,650.0	7,373.0	7,474.9	7,404.0	30.0	18.9	-101.46	-135.0	603.1	904.2	876.7	27.53	32.847 SF		
7,700.0	7,399.6	7,474.0	7,403.2	30.2	18.9	-99.68	-134.4	603.0	916.7	888.9	27.86	32.904		
7,750.0	7,423.3	7,470.5	7,400.3	30.3	18.9	-97.67	-132.5	602.7	931.4	903.2	28.18	33.052		
7,800.0	7,444.0	7,464.8	7,395.7	30.5	18.9	-95.45	-129.4	602.1	948.1	919.6	28.49	33.283		
7,850.0	7,461.5	7,450.0	7,383.3	30.7	18.8	-92.60	-121.3	600.5	966.5	937.8	28.64	33.742		
7,900.0	7,475.8	7,450.0	7,383.3	30.9	18.8	-90.62	-121.3	600.5	986.3	957.2	29.09	33.908		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4G-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	1.0	1.0	0.0	0.0	-89.69	0.8	-150.0	150.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	0.8	-150.0	150.0	149.7	0.30	502.487		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	0.8	-150.0	150.0	149.3	0.65	231.605		
250.0	250.0	251.0	251.0	0.4	0.4	-89.69	0.8	-150.0	150.0	149.1	0.82	182.432 CC		
300.0	300.0	301.0	301.0	0.5	0.5	90.48	0.8	-150.0	150.0	149.0	1.00	150.451		
400.0	399.9	400.9	400.9	0.7	0.7	91.81	0.8	-150.0	150.0	148.7	1.35	110.820 ES		
500.0	499.8	500.8	500.8	0.9	0.8	112.30	0.8	-150.0	151.2	149.5	1.72	88.065		
600.0	599.6	603.4	603.4	1.1	1.0	129.72	0.8	-149.0	153.3	151.2	2.08	73.535		
700.0	699.4	706.0	705.9	1.3	1.2	143.12	0.9	-146.3	155.6	153.1	2.45	63.461		
800.0	799.1	808.6	808.4	1.5	1.4	153.24	1.0	-141.7	157.9	155.1	2.81	56.110		
900.0	898.6	911.2	910.9	1.7	1.6	161.02	1.1	-135.2	160.4	157.2	3.17	50.535		
1,000.0	998.0	1,013.9	1,013.2	1.9	1.8	167.21	1.2	-126.9	162.9	159.4	3.53	46.169		
1,100.0	1,097.3	1,116.6	1,115.4	2.2	2.0	172.29	1.4	-116.8	165.6	161.7	3.88	42.657		
1,200.0	1,196.3	1,219.4	1,217.5	2.5	2.3	176.59	1.5	-104.9	168.3	164.1	4.23	39.759		
1,300.0	1,295.1	1,322.1	1,319.3	2.8	2.6	-179.71	1.8	-91.1	171.1	166.6	4.59	37.311		
1,400.0	1,393.6	1,424.9	1,420.9	3.1	2.9	-176.44	2.0	-75.5	174.0	169.1	4.94	35.194		
1,500.0	1,491.8	1,525.7	1,520.3	3.5	3.2	-173.60	2.3	-58.8	177.3	172.0	5.31	33.406		
1,600.0	1,589.7	1,625.5	1,618.7	3.8	3.5	-171.25	2.6	-42.2	182.3	176.6	5.68	32.092		
1,700.0	1,687.2	1,725.2	1,717.1	4.2	3.8	-169.34	2.8	-25.7	188.9	182.9	6.06	31.177		
1,735.7	1,721.9	1,760.8	1,752.1	4.4	3.9	-168.76	2.9	-19.8	191.7	185.5	6.20	30.934		
1,800.0	1,784.4	1,824.9	1,815.3	4.7	4.1	-168.38	3.1	-9.1	196.8	190.4	6.44	30.541		
1,900.0	1,881.6	1,924.6	1,913.6	5.1	4.4	-167.83	3.4	7.5	204.8	198.0	6.84	29.963		
2,000.0	1,978.8	2,024.2	2,011.9	5.5	4.8	-167.32	3.6	24.0	212.9	205.6	7.24	29.423		
2,100.0	2,075.9	2,123.9	2,110.2	6.0	5.1	-166.85	3.9	40.6	220.9	213.3	7.64	28.917		
2,200.0	2,173.1	2,223.5	2,208.4	6.4	5.4	-166.41	4.2	57.1	229.0	221.0	8.05	28.442		
2,300.0	2,270.3	2,323.2	2,306.7	6.8	5.7	-166.00	4.4	73.7	237.1	228.6	8.47	27.997		
2,400.0	2,367.5	2,422.9	2,405.0	7.3	6.1	-165.62	4.7	90.3	245.2	236.3	8.89	27.579		
2,500.0	2,464.7	2,522.5	2,503.2	7.7	6.4	-165.26	5.0	106.8	253.3	244.0	9.32	27.186		
2,600.0	2,561.9	2,622.2	2,601.5	8.2	6.7	-164.93	5.2	123.4	261.4	251.7	9.75	26.817		
2,700.0	2,659.1	2,721.8	2,699.8	8.6	7.1	-164.61	5.5	139.9	269.5	259.4	10.18	26.469		
2,800.0	2,756.2	2,821.5	2,798.1	9.1	7.4	-164.31	5.8	156.5	277.7	267.0	10.62	26.141		
2,900.0	2,853.4	2,921.1	2,896.3	9.5	7.7	-164.03	6.0	173.1	285.8	274.7	11.06	25.831		
3,000.0	2,950.6	3,020.8	2,994.6	10.0	8.1	-163.77	6.3	189.6	294.0	282.4	11.51	25.539		
3,100.0	3,047.8	3,120.5	3,092.9	10.4	8.4	-163.52	6.6	206.2	302.1	290.1	11.96	25.263		
3,200.0	3,145.0	3,220.1	3,191.2	10.9	8.7	-163.28	6.8	222.8	310.3	297.9	12.41	25.001		
3,300.0	3,242.2	3,319.8	3,299.4	11.3	9.1	-163.06	7.1	239.3	318.4	305.6	12.86	24.754		
3,400.0	3,339.4	3,419.4	3,387.7	11.8	9.4	-162.84	7.4	255.9	326.6	313.3	13.32	24.519		
3,500.0	3,436.5	3,519.1	3,486.0	12.2	9.8	-162.64	7.6	272.4	334.8	321.0	13.78	24.296		
3,600.0	3,533.7	3,618.8	3,584.2	12.7	10.1	-162.44	7.9	289.0	342.9	328.7	14.24	24.084		
3,700.0	3,630.9	3,718.4	3,682.5	13.1	10.4	-162.26	8.2	305.6	351.1	336.4	14.70	23.883		
3,800.0	3,728.1	3,818.1	3,780.8	13.6	10.8	-162.08	8.4	322.1	359.3	344.1	15.17	23.691		
3,900.0	3,825.3	3,917.7	3,879.1	14.0	11.1	-161.91	8.7	338.7	367.5	351.8	15.63	23.509		
4,000.0	3,922.5	4,017.4	3,977.3	14.5	11.4	-161.75	9.0	355.2	375.7	359.6	16.10	23.335		
4,100.0	4,019.6	4,117.1	4,075.6	14.9	11.8	-161.60	9.2	371.8	383.9	367.3	16.57	23.169		
4,200.0	4,116.8	4,216.7	4,173.9	15.4	12.1	-161.45	9.5	388.4	392.0	375.0	17.04	23.010		
4,300.0	4,214.0	4,316.4	4,272.2	15.8	12.5	-161.31	9.8	404.9	400.2	382.7	17.51	22.858		
4,400.0	4,311.2	4,416.0	4,370.4	16.3	12.8	-161.17	10.0	421.5	408.4	390.5	17.98	22.713		
4,500.0	4,408.4	4,515.7	4,468.7	16.7	13.1	-161.04	10.3	438.0	416.6	398.2	18.46	22.574		
4,600.0	4,505.6	4,615.3	4,567.0	17.2	13.5	-160.92	10.6	454.6	424.8	405.9	18.93	22.441		
4,700.0	4,602.8	4,715.0	4,665.2	17.7	13.8	-160.80	10.8	471.2	433.0	413.6	19.41	22.313		
4,800.0	4,699.9	4,814.7	4,763.5	18.1	14.2	-160.68	11.1	487.7	441.3	421.4	19.89	22.190		
4,900.0	4,797.1	4,914.3	4,861.8	18.6	14.5	-160.57	11.4	504.3	449.5	429.1	20.36	22.072		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft					
Survey Program: 0-Geolink MWD													Offset Well Error:		0.0 ft				
Reference													Semi Major Axis		Distance		Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)									
5,000.0	4,894.3	5,014.0	4,960.1	19.0	14.8	-160.46	11.6	520.9	457.7	436.8	20.84	21.959							
5,100.0	4,991.5	5,113.6	5,058.3	19.5	15.2	-160.36	11.9	537.4	465.9	444.6	21.32	21.850							
5,200.0	5,088.7	5,213.3	5,156.6	19.9	15.5	-160.26	12.2	554.0	474.1	452.3	21.80	21.745							
5,300.0	5,185.9	5,313.0	5,254.9	20.4	15.9	-160.16	12.4	570.5	482.3	460.0	22.28	21.645							
5,400.0	5,283.0	5,412.6	5,353.2	20.8	16.2	-160.06	12.7	587.1	490.5	467.8	22.77	21.547							
5,500.0	5,380.2	5,512.3	5,451.4	21.3	16.5	-159.97	13.0	603.7	498.7	475.5	23.25	21.454							
5,600.0	5,477.4	5,611.9	5,549.7	21.8	16.9	-159.89	13.2	620.2	507.0	483.2	23.73	21.363							
5,700.0	5,574.6	5,711.6	5,648.0	22.2	17.2	-159.80	13.5	636.8	515.2	491.0	24.21	21.276							
5,800.0	5,671.8	5,811.3	5,746.3	22.7	17.6	-159.72	13.8	653.3	523.4	498.7	24.70	21.191							
5,900.0	5,769.0	5,910.9	5,844.5	23.1	17.9	-159.64	14.0	669.9	531.6	506.4	25.18	21.110							
6,000.0	5,866.2	6,010.6	5,942.8	23.6	18.2	-159.56	14.3	686.5	539.8	514.2	25.67	21.031							
6,100.0	5,963.3	6,110.2	6,041.1	24.0	18.6	-159.49	14.6	703.0	548.1	521.9	26.15	20.955							
6,200.0	6,060.5	6,209.9	6,139.3	24.5	18.9	-159.41	14.8	719.6	556.3	529.6	26.64	20.881							
6,300.0	6,157.7	6,309.5	6,237.6	24.9	19.3	-159.34	15.1	736.1	564.5	537.4	27.13	20.809							
6,400.0	6,254.9	6,409.2	6,335.9	25.4	19.6	-159.27	15.4	752.7	572.7	545.1	27.61	20.740							
6,500.0	6,352.1	6,508.9	6,434.2	25.9	19.9	-159.21	15.6	769.3	581.0	552.9	28.10	20.673							
6,600.0	6,449.3	6,608.5	6,532.4	26.3	20.3	-159.14	15.9	785.8	589.2	560.6	28.59	20.608							
6,700.0	6,546.4	6,708.2	6,630.7	26.8	20.6	-159.08	16.2	802.4	597.4	568.3	29.08	20.545							
6,800.0	6,643.6	6,814.6	6,735.6	27.2	21.0	-159.02	16.3	820.1	605.6	576.0	29.58	20.476							
6,900.0	6,740.8	6,993.4	6,909.7	27.7	21.6	-160.99	-9.2	849.4	606.2	577.1	29.05	20.865							
6,930.8	6,770.8	7,045.7	6,958.9	27.8	21.8	-162.25	-24.8	857.7	603.9	575.4	28.53	21.166							
6,950.0	6,789.4	7,077.0	6,987.7	27.9	21.9	-157.01	-35.9	862.6	601.9	573.8	28.16	21.374							
7,000.0	6,838.0	7,152.0	7,054.7	28.1	22.1	-143.96	-67.7	873.8	594.3	567.2	27.10	21.928							
7,050.0	6,886.5	7,216.1	7,109.1	28.3	22.4	-133.44	-100.3	883.0	584.4	558.3	26.13	22.361							
7,100.0	6,934.6	7,268.9	7,151.6	28.5	22.6	-126.20	-130.8	890.2	573.6	548.1	25.45	22.537							
7,150.0	6,982.0	7,311.0	7,183.8	28.7	22.8	-121.62	-157.3	895.6	563.2	538.1	25.15	22.398							
7,200.0	7,028.5	7,343.7	7,207.8	28.8	22.9	-118.71	-179.2	899.6	554.6	529.4	25.23	21.983							
7,250.0	7,074.0	7,368.3	7,225.1	29.0	23.0	-116.64	-196.4	902.6	548.8	523.1	25.64	21.401							
7,300.0	7,118.1	7,386.1	7,237.3	29.1	23.1	-114.89	-209.2	904.6	546.4	520.1	26.28	20.791							
7,305.2	7,122.6	7,387.6	7,238.3	29.1	23.1	-114.71	-210.3	904.8	546.4	520.0	26.36	20.730							
7,350.0	7,160.7	7,398.3	7,245.4	29.3	23.2	-113.11	-218.1	906.0	548.0	521.0	27.05	20.259							
7,400.0	7,201.5	7,405.7	7,250.4	29.4	23.2	-111.13	-223.7	906.8	553.9	526.0	27.87	19.872							
7,450.0	7,240.4	7,409.3	7,252.7	29.5	23.2	-108.84	-226.4	907.2	564.0	535.4	28.68	19.666							
7,500.0	7,277.2	7,409.6	7,252.9	29.6	23.2	-106.21	-226.6	907.2	578.2	548.8	29.43	19.645 SF							
7,550.0	7,311.7	7,407.2	7,251.3	29.8	23.2	-103.21	-224.8	907.0	596.0	565.9	30.11	19.795							
7,600.0	7,343.7	7,400.0	7,246.6	29.9	23.2	-99.61	-219.4	906.2	617.1	586.5	30.60	20.166							
7,650.0	7,373.0	7,400.0	7,246.6	30.0	23.2	-96.63	-219.4	906.2	641.0	609.6	31.44	20.386							
7,700.0	7,399.6	7,387.5	7,238.2	30.2	23.1	-92.31	-210.2	904.8	667.1	635.4	31.74	21.016							
7,750.0	7,423.3	7,377.7	7,231.6	30.3	23.1	-88.22	-203.2	903.7	695.0	662.8	32.19	21.592							
7,800.0	7,444.0	7,366.7	7,224.0	30.5	23.0	-84.03	-195.3	902.4	724.3	691.7	32.60	22.215							
7,850.0	7,461.5	7,350.0	7,212.3	30.7	22.9	-79.46	-183.5	900.4	754.5	721.7	32.80	23.005							
7,900.0	7,475.8	7,350.0	7,212.3	30.9	22.9	-76.36	-183.5	900.4	785.4	751.7	33.74	23.281							
7,950.0	7,486.9	7,327.9	7,196.3	31.1	22.8	-71.79	-168.5	897.7	816.4	782.6	33.77	24.177							
8,000.0	7,494.6	7,313.3	7,185.6	31.3	22.8	-68.07	-158.8	895.9	847.5	813.3	34.14	24.820							
8,050.0	7,499.0	7,300.0	7,175.6	31.5	22.7	-64.72	-150.2	894.2	878.3	843.7	34.59	25.393							
8,089.2	7,500.0	7,285.9	7,164.8	31.7	22.6	-62.13	-141.3	892.4	902.1	867.3	34.82	25.910							
8,100.0	7,500.0	7,282.5	7,162.2	31.7	22.6	-61.97	-139.1	892.0	908.7	873.8	34.90	26.037							
8,200.0	7,500.0	7,250.0	7,136.7	32.3	22.5	-60.37	-119.5	887.7	971.9	936.3	35.55	27.339							

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4H-32H-O268 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	1.0	1.0	0.0	0.0	-89.69	0.8	-139.9	139.9					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	0.8	-139.9	139.9	139.6	0.30	468.738		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	0.8	-139.9	139.9	139.2	0.65	216.049		
250.0	250.0	251.0	251.0	0.4	0.4	-89.69	0.8	-139.9	139.9	139.1	0.82	170.179	CC	
300.0	300.0	301.0	301.0	0.5	0.5	90.49	0.8	-139.9	139.9	138.9	1.00	140.346		
400.0	399.9	400.9	400.9	0.7	0.7	91.92	0.8	-139.9	140.0	138.6	1.35	103.382	ES	
500.0	499.8	500.4	500.4	0.9	0.8	113.25	2.5	-139.9	141.2	139.5	1.72	82.224		
600.0	599.6	599.2	599.1	1.1	1.0	132.69	7.7	-139.9	145.1	143.0	2.09	69.363		
700.0	699.4	701.0	700.7	1.3	1.2	148.52	14.5	-139.1	150.8	148.3	2.47	60.998		
800.0	799.1	803.1	802.5	1.5	1.4	160.54	20.6	-136.6	157.2	154.3	2.85	55.148		
900.0	898.6	905.3	904.5	1.7	1.6	169.75	26.0	-132.3	164.0	160.7	3.22	50.853		
1,000.0	998.0	1,007.8	1,006.7	1.9	1.8	176.93	30.8	-126.4	171.0	167.4	3.60	47.541		
1,100.0	1,097.3	1,110.4	1,108.9	2.2	2.1	-177.38	34.9	-118.8	178.2	174.2	3.97	44.866		
1,200.0	1,196.3	1,213.3	1,211.3	2.5	2.3	-172.82	38.3	-109.4	185.4	181.0	4.35	42.610		
1,300.0	1,295.1	1,316.3	1,313.7	2.8	2.5	-169.13	41.0	-98.4	192.4	187.7	4.74	40.635		
1,400.0	1,393.6	1,419.5	1,416.0	3.1	2.8	-166.14	43.1	-85.6	199.3	194.2	5.13	38.854		
1,500.0	1,491.8	1,522.8	1,518.3	3.5	3.1	-163.72	44.4	-71.0	206.0	200.5	5.54	37.214		
1,600.0	1,589.7	1,626.3	1,620.6	3.8	3.3	-161.77	45.0	-54.8	212.5	206.5	5.95	35.680		
1,700.0	1,687.2	1,730.0	1,722.6	4.2	3.7	-160.22	45.0	-36.8	218.6	212.2	6.38	34.237		
1,735.7	1,721.9	1,767.0	1,759.0	4.4	3.8	-159.76	44.8	-29.9	220.7	214.2	6.54	33.744		
1,800.0	1,784.4	1,831.5	1,822.4	4.7	4.0	-159.57	44.3	-17.7	224.4	217.6	6.82	32.887		
1,900.0	1,881.6	1,931.3	1,920.4	5.1	4.3	-159.29	43.6	1.2	230.1	222.9	7.27	31.660		
2,000.0	1,978.8	2,031.2	2,018.4	5.5	4.7	-159.03	42.9	20.1	235.9	228.1	7.72	30.548		
2,100.0	2,075.9	2,131.0	2,116.4	6.0	5.0	-158.78	42.2	38.9	241.6	233.4	8.18	29.535		
2,200.0	2,173.1	2,230.8	2,214.5	6.4	5.4	-158.54	41.5	57.8	247.3	238.7	8.64	28.611		
2,300.0	2,270.3	2,330.7	2,312.5	6.8	5.7	-158.31	40.8	76.7	253.1	244.0	9.11	27.766		
2,400.0	2,367.5	2,430.5	2,410.5	7.3	6.1	-158.09	40.1	95.6	258.8	249.2	9.59	26.990		
2,500.0	2,464.7	2,530.3	2,508.5	7.7	6.4	-157.88	39.3	114.5	264.6	254.5	10.07	26.277		
2,600.0	2,561.9	2,630.1	2,606.6	8.2	6.8	-157.68	38.6	133.4	270.4	259.8	10.55	25.618		
2,700.0	2,659.1	2,730.0	2,704.6	8.6	7.2	-157.49	37.9	152.2	276.1	265.1	11.04	25.009		
2,800.0	2,756.2	2,829.8	2,802.6	9.1	7.5	-157.31	37.2	171.1	281.9	270.3	11.53	24.444		
2,900.0	2,853.4	2,929.6	2,900.6	9.5	7.9	-157.13	36.5	190.0	287.6	275.6	12.03	23.920		
3,000.0	2,950.6	3,029.5	2,998.7	10.0	8.3	-156.96	35.8	208.9	293.4	280.9	12.52	23.431		
3,100.0	3,047.8	3,129.3	3,096.7	10.4	8.6	-156.80	35.1	227.8	299.2	286.2	13.02	22.975		
3,200.0	3,145.0	3,229.1	3,194.7	10.9	9.0	-156.64	34.4	246.7	305.0	291.4	13.52	22.548		
3,300.0	3,242.2	3,329.0	3,292.7	11.3	9.4	-156.49	33.7	265.6	310.7	296.7	14.03	22.148		
3,400.0	3,339.4	3,428.8	3,390.8	11.8	9.7	-156.35	33.0	284.4	316.5	302.0	14.54	21.773		
3,500.0	3,436.5	3,528.6	3,488.8	12.2	10.1	-156.21	32.3	303.3	322.3	307.2	15.05	21.420		
3,600.0	3,533.7	3,628.4	3,586.8	12.7	10.5	-156.07	31.6	322.2	328.1	312.5	15.56	21.088		
3,700.0	3,630.9	3,728.3	3,684.8	13.1	10.9	-155.94	30.8	341.1	333.9	317.8	16.07	20.774		
3,800.0	3,728.1	3,828.1	3,782.9	13.6	11.2	-155.81	30.1	360.0	339.6	323.1	16.59	20.478		
3,900.0	3,825.3	3,927.9	3,880.9	14.0	11.6	-155.69	29.4	378.9	345.4	328.3	17.10	20.198		
4,000.0	3,922.5	4,027.8	3,978.9	14.5	12.0	-155.57	28.7	397.7	351.2	333.6	17.62	19.932		
4,100.0	4,019.6	4,127.6	4,076.9	14.9	12.3	-155.46	28.0	416.6	357.0	338.9	18.14	19.680		
4,200.0	4,116.8	4,227.4	4,175.0	15.4	12.7	-155.35	27.3	435.5	362.8	344.1	18.66	19.441		
4,300.0	4,214.0	4,327.3	4,273.0	15.8	13.1	-155.24	26.6	454.4	368.6	349.4	19.18	19.213		
4,400.0	4,311.2	4,427.1	4,371.0	16.3	13.5	-155.14	25.9	473.3	374.4	354.7	19.71	18.996		
4,500.0	4,408.4	4,526.9	4,469.0	16.7	13.8	-155.04	25.2	492.2	380.2	360.0	20.23	18.790		
4,600.0	4,505.6	4,626.7	4,567.1	17.2	14.2	-154.94	24.5	511.1	386.0	365.2	20.76	18.593		
4,700.0	4,602.8	4,726.6	4,665.1	17.7	14.6	-154.85	23.8	529.9	391.8	370.5	21.29	18.405		
4,800.0	4,699.9	4,826.4	4,763.1	18.1	15.0	-154.75	23.1	548.8	397.6	375.8	21.82	18.225		
4,900.0	4,797.1	4,926.2	4,861.1	18.6	15.3	-154.66	22.3	567.7	403.4	381.0	22.34	18.053		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error:		0.0 ft
Reference				Offset				Semi Major Axis			Distance		Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
5,000.0	4,894.3	5,026.1	4,959.2	19.0	15.7	-154.58	21.6	586.6	409.2	386.3	22.88	17.888			
5,100.0	4,991.5	5,125.9	5,057.2	19.5	16.1	-154.49	20.9	605.5	415.0	391.6	23.41	17.730			
5,200.0	5,088.7	5,225.7	5,155.2	19.9	16.5	-154.41	20.2	624.4	420.8	396.9	23.94	17.578			
5,300.0	5,185.9	5,325.5	5,253.2	20.4	16.8	-154.33	19.5	643.2	426.6	402.1	24.47	17.432			
5,400.0	5,283.0	5,425.4	5,351.3	20.8	17.2	-154.25	18.8	662.1	432.4	407.4	25.00	17.292			
5,500.0	5,380.2	5,525.2	5,449.3	21.3	17.6	-154.18	18.1	681.0	438.2	412.7	25.54	17.158			
5,600.0	5,477.4	5,625.0	5,547.3	21.8	18.0	-154.11	17.4	699.9	444.0	417.9	26.07	17.028			
5,700.0	5,574.6	5,724.9	5,645.3	22.2	18.3	-154.03	16.7	718.8	449.8	423.2	26.61	16.904			
5,800.0	5,671.8	5,824.7	5,743.4	22.7	18.7	-153.96	16.0	737.7	455.6	428.5	27.15	16.784			
5,900.0	5,769.0	5,924.5	5,841.4	23.1	19.1	-153.90	15.3	756.5	461.4	433.7	27.68	16.668			
6,000.0	5,866.2	6,024.4	5,939.4	23.6	19.5	-153.83	14.6	775.4	467.2	439.0	28.22	16.556			
6,100.0	5,963.3	6,124.2	6,037.4	24.0	19.8	-153.76	13.8	794.3	473.0	444.3	28.76	16.448			
6,200.0	6,060.5	6,224.0	6,135.5	24.5	20.2	-153.70	13.1	813.2	478.9	449.6	29.30	16.344			
6,300.0	6,157.7	6,323.8	6,233.5	24.9	20.6	-153.64	12.4	832.1	484.7	454.8	29.84	16.243			
6,400.0	6,254.9	6,423.7	6,331.5	25.4	21.0	-153.58	11.7	851.0	490.5	460.1	30.38	16.146			
6,500.0	6,352.1	6,523.5	6,429.5	25.9	21.4	-153.52	11.0	869.9	496.3	465.4	30.92	16.051			
6,600.0	6,449.3	6,623.3	6,527.6	26.3	21.7	-153.46	10.3	888.7	502.1	470.6	31.46	15.960			
6,700.0	6,546.4	6,723.2	6,625.6	26.8	22.1	-153.41	9.6	907.6	507.9	475.9	32.00	15.872			
6,800.0	6,643.6	6,823.0	6,723.6	27.2	22.5	-153.35	8.9	926.5	513.7	481.2	32.54	15.786			
6,900.0	6,740.8	6,922.8	6,821.6	27.7	22.9	-153.30	8.2	945.4	519.5	486.5	33.09	15.703			
6,930.8	6,770.8	6,953.6	6,851.9	27.8	23.0	-153.28	8.0	951.2	521.3	488.1	33.25	15.678			
6,950.0	6,789.4	6,972.7	6,870.7	27.9	23.0	-146.91	7.8	954.8	522.3	488.9	33.35	15.660			
7,000.0	6,838.0	7,022.7	6,919.7	28.1	23.2	-130.45	7.5	964.3	523.3	489.8	33.55	15.600			
7,050.0	6,886.5	7,072.4	6,968.5	28.3	23.4	-116.24	7.1	973.7	522.2	488.6	33.63	15.528			
7,100.0	6,934.6	7,124.1	7,019.3	28.5	23.6	-105.61	6.7	983.5	519.1	485.5	33.60	15.448			
7,150.0	6,982.0	7,206.3	7,099.7	28.7	23.9	-99.73	0.8	999.0	512.3	479.1	33.19	15.434			
7,200.0	7,028.5	7,279.3	7,170.2	28.8	24.2	-97.50	-12.3	1,012.6	501.3	469.2	32.16	15.590			
7,250.0	7,074.0	7,341.5	7,229.0	29.0	24.4	-97.78	-29.2	1,023.9	487.7	457.0	30.75	15.860			
7,300.0	7,118.1	7,392.5	7,275.9	29.1	24.6	-99.51	-46.9	1,032.9	473.1	443.9	29.23	16.184			
7,350.0	7,160.7	7,433.1	7,312.4	29.3	24.8	-101.78	-63.4	1,039.9	459.1	431.3	27.84	16.491			
7,400.0	7,201.5	7,464.6	7,339.9	29.4	24.9	-103.95	-77.6	1,045.2	447.2	420.5	26.78	16.701			
7,450.0	7,240.4	7,488.2	7,360.2	29.5	25.0	-105.62	-89.0	1,049.1	438.8	412.6	26.22	16.735			
7,500.0	7,277.2	7,505.2	7,374.6	29.6	25.1	-106.58	-97.7	1,051.9	434.8	408.6	26.25	16.561			
7,514.6	7,287.5	7,509.1	7,377.8	29.7	25.1	-106.71	-99.8	1,052.5	434.6	408.2	26.38	16.473			
7,550.0	7,311.7	7,516.8	7,384.2	29.8	25.1	-106.75	-103.8	1,053.8	435.9	409.1	26.87	16.224			
7,600.0	7,343.7	7,523.7	7,390.0	29.9	25.1	-106.13	-107.6	1,054.9	442.4	414.5	27.94	15.837			
7,650.0	7,373.0	7,526.9	7,392.6	30.0	25.2	-104.75	-109.3	1,055.4	454.3	425.0	29.29	15.511			
7,700.0	7,399.6	7,527.0	7,392.7	30.2	25.2	-102.64	-109.3	1,055.4	471.0	440.3	30.75	15.320			
7,750.0	7,423.3	7,524.3	7,390.5	30.3	25.1	-99.86	-107.9	1,055.0	492.2	460.0	32.19	15.288 SF			
7,800.0	7,444.0	7,519.4	7,386.4	30.5	25.1	-96.49	-105.2	1,054.2	517.0	483.4	33.55	15.409			
7,850.0	7,461.5	7,512.6	7,380.8	30.7	25.1	-92.62	-101.6	1,053.1	544.8	510.0	34.79	15.660			
7,900.0	7,475.8	7,500.0	7,370.2	30.9	25.0	-87.88	-95.0	1,051.1	574.9	539.2	35.71	16.099			
7,950.0	7,486.9	7,500.0	7,370.2	31.1	25.0	-84.51	-95.0	1,051.1	606.8	569.6	37.14	16.339			
8,000.0	7,494.6	7,483.2	7,356.0	31.3	25.0	-79.26	-86.6	1,048.3	639.8	602.0	37.78	16.935			
8,050.0	7,499.0	7,471.1	7,345.6	31.5	24.9	-74.70	-80.7	1,046.3	673.6	635.0	38.58	17.460			
8,089.2	7,500.0	7,460.9	7,336.8	31.7	24.9	-71.24	-75.9	1,044.6	700.3	661.2	39.15	17.888			
8,100.0	7,500.0	7,450.0	7,327.2	31.7	24.8	-70.30	-70.9	1,042.8	707.8	668.8	39.00	18.150			
8,200.0	7,500.0	7,433.6	7,312.8	32.3	24.8	-68.92	-63.6	1,040.0	779.4	738.9	40.57	19.210			
8,300.0	7,500.0	7,400.0	7,282.7	32.9	24.7	-66.16	-49.8	1,034.2	855.8	814.6	41.27	20.739			
8,400.0	7,500.0	7,400.0	7,282.7	33.6	24.7	-66.16	-49.8	1,034.2	935.5	892.9	42.70	21.912			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4I-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft	
Survey Program: 0-Geolink MWD															
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	-89.68	0.7	-130.1	130.1						
100.0	100.0	100.0	100.0	0.1	0.1	-89.68	0.7	-130.1	130.1	129.8	0.30	438.491			
200.0	200.0	200.0	200.0	0.3	0.3	-89.68	0.7	-130.1	130.1	129.5	0.65	201.469			
250.0	250.0	250.0	250.0	0.4	0.4	-89.68	0.7	-130.1	130.1	129.3	0.82	158.603 CC			
300.0	300.0	300.0	300.0	0.5	0.5	90.51	0.7	-130.1	130.1	129.1	1.00	130.751			
400.0	399.9	399.9	399.9	0.7	0.7	92.18	1.0	-130.1	130.2	128.8	1.35	96.288 ES			
500.0	499.8	499.3	499.3	0.9	0.8	114.08	3.6	-130.1	131.6	129.9	1.72	76.629			
600.0	599.6	598.3	598.1	1.1	1.0	133.78	8.8	-130.1	135.6	133.5	2.09	64.843			
700.0	699.4	696.6	696.1	1.3	1.2	150.06	16.4	-130.1	142.6	140.1	2.47	57.650			
800.0	799.1	799.5	798.6	1.5	1.5	163.18	25.7	-129.1	151.6	148.7	2.86	52.938			
900.0	898.6	904.3	903.0	1.7	1.7	173.15	33.3	-124.7	159.5	156.3	3.25	49.070			
1,000.0	998.0	1,009.7	1,007.9	1.9	1.9	-179.15	39.1	-117.0	166.0	162.4	3.64	45.634			
1,100.0	1,097.3	1,115.5	1,113.1	2.2	2.1	-173.07	43.1	-105.8	170.8	166.7	4.03	42.391			
1,200.0	1,196.3	1,221.7	1,218.2	2.5	2.4	-168.16	45.1	-91.2	173.6	169.2	4.43	39.216			
1,300.0	1,295.1	1,328.0	1,323.0	2.8	2.7	-164.13	45.2	-73.2	174.4	169.5	4.84	36.047			
1,400.0	1,393.6	1,432.9	1,425.7	3.1	3.0	-160.79	43.5	-52.2	173.2	167.9	5.27	32.879			
1,500.0	1,491.8	1,532.8	1,523.4	3.5	3.3	-158.11	41.2	-31.2	172.3	166.6	5.72	30.149			
1,507.4	1,499.0	1,540.2	1,530.6	3.5	3.4	-157.93	41.1	-29.6	172.3	166.6	5.75	29.970			
1,600.0	1,589.7	1,632.8	1,621.1	3.8	3.7	-156.00	39.0	-10.2	172.9	166.7	6.18	27.978			
1,700.0	1,687.2	1,732.7	1,718.8	4.2	4.1	-154.42	36.8	10.8	174.9	168.3	6.66	26.275			
1,735.7	1,721.9	1,768.4	1,753.7	4.4	4.2	-153.98	36.0	18.3	176.0	169.1	6.83	25.769			
1,800.0	1,784.4	1,832.7	1,816.5	4.7	4.4	-153.85	34.5	31.8	178.0	170.9	7.14	24.934			
1,900.0	1,881.6	1,932.6	1,914.2	5.1	4.8	-153.65	32.3	52.8	181.2	173.6	7.63	23.749			
2,000.0	1,978.8	2,032.6	2,011.9	5.5	5.2	-153.46	30.1	73.8	184.4	176.3	8.13	22.687			
2,100.0	2,075.9	2,132.5	2,109.6	6.0	5.6	-153.28	27.9	94.8	187.6	178.9	8.63	21.730			
2,200.0	2,173.1	2,232.5	2,207.3	6.4	6.0	-153.10	25.6	115.8	190.8	181.6	9.14	20.865			
2,300.0	2,270.3	2,332.4	2,305.0	6.8	6.4	-152.93	23.4	136.8	194.0	184.3	9.66	20.081			
2,400.0	2,367.5	2,432.4	2,402.7	7.3	6.8	-152.76	21.2	157.8	197.2	187.0	10.18	19.367			
2,500.0	2,464.7	2,532.3	2,500.4	7.7	7.2	-152.60	18.9	178.8	200.4	189.6	10.71	18.715			
2,600.0	2,561.9	2,632.3	2,598.0	8.2	7.6	-152.44	16.7	199.9	203.5	192.3	11.24	18.117			
2,700.0	2,659.1	2,732.2	2,695.7	8.6	8.0	-152.29	14.5	220.9	206.7	195.0	11.77	17.568			
2,800.0	2,756.2	2,832.1	2,793.4	9.1	8.4	-152.14	12.2	241.9	209.9	197.6	12.31	17.062			
2,900.0	2,853.4	2,932.1	2,891.1	9.5	8.8	-152.00	10.0	262.9	213.1	200.3	12.84	16.594			
3,000.0	2,950.6	3,032.0	2,988.8	10.0	9.2	-151.86	7.8	283.9	216.3	203.0	13.39	16.160			
3,100.0	3,047.8	3,132.0	3,086.5	10.4	9.6	-151.73	5.6	304.9	219.6	205.6	13.93	15.758			
3,200.0	3,145.0	3,231.9	3,184.2	10.9	10.0	-151.60	3.3	325.9	222.8	208.3	14.49	15.378			
3,300.0	3,242.2	3,331.9	3,281.9	11.3	10.4	-151.47	1.1	346.9	226.0	210.9	15.03	15.030			
3,400.0	3,339.4	3,431.8	3,379.6	11.8	10.8	-151.35	-1.1	367.9	229.2	213.6	15.59	14.702			
3,500.0	3,436.5	3,531.8	3,477.3	12.2	11.2	-151.23	-3.4	388.9	232.4	216.2	16.14	14.395			
3,600.0	3,533.7	3,631.7	3,574.9	12.7	11.7	-151.11	-5.6	409.9	235.6	218.9	16.70	14.107			
3,700.0	3,630.9	3,731.7	3,672.6	13.1	12.1	-151.00	-7.8	430.9	238.8	221.5	17.26	13.836			
3,800.0	3,728.1	3,831.6	3,770.3	13.6	12.5	-150.88	-10.0	451.9	242.0	224.2	17.82	13.580			
3,900.0	3,825.3	3,931.6	3,868.0	14.0	12.9	-150.78	-12.3	472.9	245.2	226.8	18.38	13.339			
4,000.0	3,922.5	4,031.5	3,965.7	14.5	13.3	-150.67	-14.5	493.9	248.4	229.5	18.95	13.111			
4,100.0	4,019.6	4,131.5	4,063.4	14.9	13.7	-150.57	-16.7	514.9	251.6	232.1	19.51	12.895			
4,200.0	4,116.8	4,231.4	4,161.1	15.4	14.1	-150.47	-19.0	535.9	254.9	234.8	20.08	12.691			
4,300.0	4,214.0	4,331.4	4,258.8	15.8	14.5	-150.37	-21.2	556.9	258.1	237.4	20.65	12.496			
4,400.0	4,311.2	4,431.3	4,356.5	16.3	14.9	-150.28	-23.4	577.9	261.3	240.1	21.22	12.312			
4,500.0	4,408.4	4,531.3	4,454.2	16.7	15.4	-150.19	-25.7	598.9	264.5	242.7	21.79	12.136			
4,600.0	4,505.6	4,631.2	4,518.8	17.2	15.8	-150.10	-27.9	619.9	267.7	245.3	22.37	11.969			
4,700.0	4,602.8	4,731.1	4,649.5	17.7	16.2	-150.01	-30.1	640.9	270.9	248.0	22.94	11.810			
4,800.0	4,699.9	4,831.1	4,747.2	18.1	16.6	-149.92	-32.3	661.9	274.2	250.6	23.52	11.657			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4I-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
4,900.0	4,797.1	4,931.0	4,844.9	18.6	17.0	-149.84	-34.6	682.9	277.4	253.3	24.09	11.512		
5,000.0	4,894.3	5,031.0	4,942.6	19.0	17.4	-149.76	-36.8	703.9	280.6	255.9	24.67	11.373		
5,100.0	4,991.5	5,130.9	5,040.3	19.5	17.8	-149.68	-39.0	724.9	283.8	258.6	25.25	11.240		
5,200.0	5,088.7	5,230.9	5,138.0	19.9	18.2	-149.60	-41.3	745.9	287.0	261.2	25.83	11.112		
5,300.0	5,185.9	5,330.8	5,235.7	20.4	18.7	-149.52	-43.5	766.9	290.2	263.8	26.41	10.990		
5,400.0	5,283.0	5,430.8	5,333.4	20.8	19.1	-149.45	-45.7	787.9	293.5	266.5	26.99	10.872		
5,500.0	5,380.2	5,530.7	5,431.1	21.3	19.5	-149.37	-48.0	808.9	296.7	269.1	27.58	10.759		
5,600.0	5,477.4	5,630.7	5,528.8	21.8	19.9	-149.30	-50.2	829.9	299.9	271.8	28.16	10.651		
5,700.0	5,574.6	5,730.6	5,626.4	22.2	20.3	-149.23	-52.4	850.9	303.1	274.4	28.74	10.547		
5,800.0	5,671.8	5,830.6	5,724.1	22.7	20.7	-149.16	-54.6	871.9	306.4	277.0	29.33	10.446		
5,900.0	5,769.0	5,930.5	5,821.8	23.1	21.1	-149.10	-56.9	892.9	309.6	279.7	29.91	10.349		
6,000.0	5,866.2	6,030.5	5,919.5	23.6	21.5	-149.03	-59.1	913.9	312.8	282.3	30.50	10.256		
6,100.0	5,963.3	6,130.4	6,017.2	24.0	22.0	-148.97	-61.3	935.0	316.0	284.9	31.09	10.166		
6,200.0	6,060.5	6,230.4	6,114.9	24.5	22.4	-148.90	-63.6	956.0	319.3	287.6	31.68	10.079		
6,300.0	6,157.7	6,330.3	6,212.6	24.9	22.8	-148.84	-65.8	977.0	322.5	290.2	32.26	9.995		
6,400.0	6,254.9	6,430.3	6,310.3	25.4	23.2	-148.78	-68.0	998.0	325.7	292.9	32.85	9.914		
6,500.0	6,352.1	6,530.2	6,408.0	25.9	23.6	-148.72	-70.2	1,019.0	328.9	295.5	33.44	9.836		
6,600.0	6,449.3	6,630.1	6,505.7	26.3	24.0	-148.66	-72.5	1,040.0	332.2	298.1	34.03	9.760		
6,700.0	6,546.4	6,730.1	6,603.3	26.8	24.4	-148.60	-74.7	1,061.0	335.4	300.8	34.62	9.687		
6,800.0	6,643.6	6,830.0	6,701.0	27.2	24.9	-148.55	-76.9	1,082.0	338.6	303.4	35.22	9.615		
6,900.0	6,740.8	6,930.0	6,798.7	27.7	25.3	-148.49	-79.2	1,103.0	341.8	306.0	35.81	9.547		
6,930.8	6,770.8	6,960.8	6,828.8	27.8	25.4	-148.48	-79.9	1,109.4	342.8	306.8	35.99	9.526		
6,950.0	6,789.4	6,980.0	6,847.6	27.9	25.5	-142.15	-80.3	1,113.5	343.3	307.2	36.09	9.511		
7,000.0	6,838.0	7,029.9	6,896.4	28.1	25.7	-125.89	-81.4	1,124.0	342.8	306.6	36.24	9.459		
7,050.0	6,886.5	7,079.6	6,945.0	28.3	25.9	-112.02	-82.5	1,134.4	340.0	303.8	36.20	9.395		
7,100.0	6,934.6	7,128.8	6,993.0	28.5	26.1	-101.84	-83.6	1,144.8	335.1	299.1	35.94	9.324		
7,150.0	6,982.0	7,182.2	7,045.2	28.7	26.3	-95.47	-85.0	1,156.0	328.1	292.6	35.43	9.260		
7,200.0	7,028.5	7,246.1	7,107.4	28.8	26.6	-93.38	-90.8	1,169.4	317.5	283.3	34.26	9.268		
7,250.0	7,074.0	7,302.7	7,161.9	29.0	26.8	-94.40	-100.7	1,181.2	304.1	271.7	32.35	9.399		
7,300.0	7,118.1	7,351.4	7,208.0	29.1	27.0	-97.54	-112.6	1,191.1	289.6	259.6	29.97	9.661		
7,350.0	7,160.7	7,392.0	7,245.8	29.3	27.2	-101.69	-125.1	1,199.3	276.2	248.6	27.62	10.000		
7,400.0	7,201.5	7,425.1	7,276.0	29.4	27.4	-105.86	-136.8	1,205.9	266.4	240.3	26.12	10.201		
7,450.0	7,240.4	7,451.2	7,299.5	29.5	27.5	-109.29	-147.0	1,211.0	262.3	236.0	26.34	9.957		
7,454.2	7,243.6	7,453.1	7,301.2	29.5	27.5	-109.52	-147.8	1,211.4	262.3	235.8	26.46	9.914		
7,500.0	7,277.2	7,471.3	7,317.3	29.6	27.6	-111.53	-155.5	1,214.9	265.6	237.1	28.52	9.312		
7,550.0	7,311.7	7,486.1	7,330.3	29.8	27.7	-112.43	-162.1	1,217.7	276.9	245.0	31.87	8.690		
7,600.0	7,343.7	7,500.0	7,342.3	29.9	27.7	-112.68	-168.5	1,220.4	296.0	260.4	35.61	8.313 SF		
7,650.0	7,373.0	7,500.0	7,342.3	30.0	27.7	-109.45	-168.5	1,220.4	321.8	283.6	38.22	8.419		
7,700.0	7,399.6	7,506.1	7,347.5	30.2	27.8	-106.90	-171.4	1,221.5	352.8	312.0	40.86	8.636		
7,750.0	7,423.3	7,500.0	7,342.3	30.3	27.7	-101.05	-168.5	1,220.4	388.0	345.8	42.28	9.178		
7,800.0	7,444.0	7,500.0	7,342.3	30.5	27.7	-95.95	-168.5	1,220.4	426.0	382.1	43.84	9.716		
7,850.0	7,461.5	7,500.0	7,342.3	30.7	27.7	-90.37	-168.5	1,220.4	465.9	420.7	45.18	10.311		
7,900.0	7,475.8	7,500.0	7,342.3	30.9	27.7	-84.48	-168.5	1,220.4	507.2	460.8	46.36	10.940		
7,950.0	7,486.9	7,486.8	7,330.8	31.1	27.7	-76.24	-162.4	1,217.9	549.0	502.3	46.76	11.742		
8,000.0	7,494.6	7,478.0	7,323.1	31.3	27.6	-69.33	-158.4	1,216.2	591.2	543.9	47.35	12.487		
8,050.0	7,499.0	7,467.9	7,314.3	31.5	27.6	-62.98	-154.1	1,214.3	633.3	585.4	47.86	13.232		
8,089.2	7,500.0	7,450.0	7,298.4	31.7	27.5	-57.58	-146.5	1,210.8	666.2	618.3	47.85	13.922		
8,100.0	7,500.0	7,450.0	7,298.4	31.7	27.5	-57.58	-146.5	1,210.8	675.1	627.1	48.05	14.051		
8,200.0	7,500.0	7,435.9	7,285.8	32.3	27.4	-56.21	-140.9	1,208.0	760.0	710.9	49.09	15.479		
8,300.0	7,500.0	7,417.5	7,269.2	32.9	27.3	-54.51	-134.0	1,204.4	847.2	797.5	49.70	17.046		
8,400.0	7,500.0	7,400.0	7,253.1	33.6	27.3	-52.97	-127.8	1,200.9	936.4	886.3	50.16	18.669		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4J-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.68	0.7	-120.0	120.0					
100.0	100.0	100.0	100.0	0.1	0.1	-89.68	0.7	-120.0	120.0	119.7	0.30	404.543		
200.0	200.0	200.0	200.0	0.3	0.3	-89.68	0.7	-120.0	120.0	119.4	0.65	185.871		
250.0	250.0	250.0	250.0	0.4	0.4	-89.68	0.7	-120.0	120.0	119.2	0.82	146.324	CC	
300.0	300.0	300.0	300.0	0.5	0.5	90.52	0.7	-120.0	120.0	119.0	1.00	120.629		
400.0	399.9	399.7	399.7	0.7	0.7	93.01	2.4	-120.0	120.2	118.8	1.35	88.735		
500.0	499.8	498.8	498.6	0.9	0.9	116.35	7.6	-120.0	122.1	120.3	1.73	70.508		
600.0	599.6	597.0	596.5	1.1	1.1	137.74	16.0	-120.0	127.2	125.1	2.13	59.827		
700.0	699.4	700.4	699.3	1.3	1.3	155.44	26.3	-118.4	134.3	131.7	2.53	52.991		
800.0	799.1	804.4	802.8	1.5	1.5	169.10	35.3	-113.1	140.6	137.6	2.94	47.810		
900.0	898.6	908.8	906.5	1.7	1.8	179.89	43.1	-104.3	145.8	142.5	3.35	43.511		
1,000.0	998.0	1,013.4	1,010.2	1.9	2.1	-171.26	49.6	-91.9	149.9	146.1	3.78	39.666		
1,100.0	1,097.3	1,118.1	1,113.5	2.2	2.4	-163.71	54.9	-75.9	152.6	148.3	4.23	36.042		
1,200.0	1,196.3	1,222.8	1,216.3	2.5	2.7	-157.00	58.8	-56.4	153.8	149.1	4.73	32.515		
1,300.0	1,295.1	1,327.4	1,318.3	2.8	3.1	-150.80	61.4	-33.3	153.7	148.4	5.29	29.039		
1,400.0	1,393.6	1,430.9	1,418.4	3.1	3.5	-144.89	62.7	-7.1	152.3	146.3	5.93	25.660		
1,493.7	1,485.6	1,524.1	1,508.3	3.4	3.9	-139.97	63.5	17.5	151.5	144.9	6.60	22.974		
1,500.0	1,491.8	1,530.4	1,514.4	3.5	3.9	-139.66	63.5	19.2	151.5	144.9	6.64	22.815		
1,600.0	1,589.7	1,630.0	1,610.4	3.8	4.4	-135.18	64.3	45.5	152.4	145.0	7.41	20.567		
1,700.0	1,687.2	1,729.7	1,706.6	4.2	4.9	-131.48	65.1	71.9	154.5	146.3	8.22	18.790		
1,735.7	1,721.9	1,765.3	1,740.9	4.4	5.0	-130.35	65.4	81.3	155.6	147.0	8.52	18.254		
1,800.0	1,784.4	1,829.5	1,802.8	4.7	5.3	-129.02	66.0	98.3	157.6	148.5	9.07	17.377		
1,900.0	1,881.6	1,929.3	1,899.1	5.1	5.8	-127.03	66.8	124.7	160.9	151.0	9.95	16.179		
2,000.0	1,978.8	2,029.1	1,995.3	5.5	6.3	-125.12	67.6	151.1	164.4	153.6	10.85	15.156		
2,100.0	2,075.9	2,128.9	2,091.5	6.0	6.8	-123.29	68.4	177.5	168.1	156.3	11.77	14.278		
2,200.0	2,173.1	2,228.7	2,187.7	6.4	7.3	-121.54	69.2	203.9	172.0	159.2	12.72	13.523		
2,300.0	2,270.3	2,328.5	2,284.0	6.8	7.8	-119.87	70.1	230.3	176.0	162.3	13.67	12.870		
2,400.0	2,367.5	2,428.3	2,380.2	7.3	8.3	-118.27	70.9	256.7	180.1	165.5	14.64	12.304		
2,500.0	2,464.7	2,528.1	2,476.4	7.7	8.8	-116.75	71.7	283.1	184.4	168.8	15.61	11.810		
2,600.0	2,561.9	2,627.9	2,572.7	8.2	9.3	-115.30	72.5	309.5	188.8	172.2	16.59	11.377		
2,700.0	2,659.1	2,727.6	2,668.9	8.6	9.7	-113.91	73.3	335.9	193.3	175.7	17.58	10.997		
2,800.0	2,756.2	2,827.4	2,765.1	9.1	10.2	-112.59	74.2	362.3	197.9	179.4	18.57	10.661		
2,900.0	2,853.4	2,927.2	2,861.4	9.5	10.7	-111.33	75.0	388.8	202.7	183.1	19.56	10.364		
3,000.0	2,950.6	3,027.0	2,957.6	10.0	11.2	-110.12	75.8	415.2	207.5	187.0	20.55	10.099		
3,100.0	3,047.8	3,126.8	3,053.8	10.4	11.7	-108.98	76.6	441.6	212.4	190.9	21.53	9.863		
3,200.0	3,145.0	3,226.6	3,150.1	10.9	12.3	-107.88	77.4	468.0	217.4	194.9	22.52	9.652		
3,300.0	3,242.2	3,326.4	3,246.3	11.3	12.8	-106.83	78.3	494.4	222.5	199.0	23.51	9.463		
3,400.0	3,339.4	3,426.2	3,342.5	11.8	13.3	-105.83	79.1	520.8	227.6	203.1	24.49	9.292		
3,500.0	3,436.5	3,526.0	3,438.8	12.2	13.8	-104.88	79.9	547.2	232.8	207.3	25.48	9.138		
3,600.0	3,533.7	3,625.8	3,535.0	12.7	14.3	-103.96	80.7	573.6	238.1	211.6	26.46	8.999		
3,700.0	3,630.9	3,725.6	3,631.2	13.1	14.8	-103.09	81.5	600.0	243.4	216.0	27.43	8.873		
3,800.0	3,728.1	3,825.3	3,727.4	13.6	15.3	-102.25	82.4	626.4	248.8	220.4	28.41	8.758		
3,900.0	3,825.3	3,925.1	3,823.7	14.0	15.8	-101.45	83.2	652.8	254.2	224.8	29.38	8.653		
4,000.0	3,922.5	4,024.9	3,919.9	14.5	16.3	-100.69	84.0	679.2	259.7	229.3	30.35	8.557		
4,100.0	4,019.6	4,124.7	4,016.1	14.9	16.8	-99.95	84.8	705.6	265.2	233.9	31.31	8.470		
4,200.0	4,116.8	4,224.5	4,112.4	15.4	17.3	-99.25	85.6	732.0	270.8	238.5	32.27	8.390		
4,300.0	4,214.0	4,324.3	4,208.6	15.8	17.8	-98.57	86.5	758.4	276.4	243.1	33.23	8.316		
4,400.0	4,311.2	4,424.1	4,304.8	16.3	18.3	-97.92	87.3	784.8	282.0	247.8	34.19	8.248		
4,500.0	4,408.4	4,523.9	4,401.1	16.7	18.8	-97.30	88.1	811.2	287.7	252.5	35.14	8.186		
4,600.0	4,505.6	4,623.7	4,497.3	17.2	19.3	-96.69	88.9	837.6	293.4	257.3	36.10	8.128		
4,700.0	4,602.8	4,723.5	4,593.5	17.7	19.8	-96.12	89.8	864.0	299.1	262.1	37.04	8.075		
4,800.0	4,699.9	4,823.3	4,689.8	18.1	20.3	-95.56	90.6	890.4	304.9	266.9	37.99	8.026		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4J-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
4,900.0	4,797.1	4,923.0	4,786.0	18.6	20.8	-95.03	91.4	916.8	310.7	271.8	38.93	7.980		
5,000.0	4,894.3	5,022.8	4,882.2	19.0	21.3	-94.51	92.2	943.2	316.5	276.6	39.87	7.938		
5,100.0	4,991.5	5,122.6	4,978.5	19.5	21.8	-94.02	93.0	969.6	322.4	281.5	40.81	7.899		
5,200.0	5,088.7	5,222.4	5,074.7	19.9	22.3	-93.54	93.9	996.0	328.2	286.5	41.75	7.862		
5,300.0	5,185.9	5,322.2	5,170.9	20.4	22.8	-93.08	94.7	1,022.4	334.1	291.4	42.68	7.828		
5,400.0	5,283.0	5,422.0	5,267.1	20.8	23.4	-92.63	95.5	1,048.8	340.0	296.4	43.61	7.796		
5,500.0	5,380.2	5,521.8	5,363.4	21.3	23.9	-92.20	96.3	1,075.2	346.0	301.4	44.54	7.767		
5,600.0	5,477.4	5,621.6	5,459.6	21.8	24.4	-91.78	97.1	1,101.6	351.9	306.4	45.47	7.739		
5,700.0	5,574.6	5,721.4	5,555.8	22.2	24.9	-91.38	98.0	1,128.0	357.9	311.5	46.40	7.713		
5,800.0	5,671.8	5,821.2	5,652.1	22.7	25.4	-90.99	98.8	1,154.4	363.9	316.5	47.32	7.689		
5,900.0	5,769.0	5,921.0	5,748.3	23.1	25.9	-90.61	99.6	1,180.8	369.9	321.6	48.24	7.667		
6,000.0	5,866.2	6,020.7	5,844.5	23.6	26.4	-90.25	100.4	1,207.2	375.9	326.7	49.16	7.646		
6,100.0	5,963.3	6,120.5	5,940.8	24.0	26.9	-89.90	101.2	1,233.6	381.9	331.8	50.08	7.626		
6,200.0	6,060.5	6,220.3	6,037.0	24.5	27.4	-89.55	102.1	1,260.0	388.0	337.0	51.00	7.607		
6,300.0	6,157.7	6,320.1	6,133.2	24.9	27.9	-89.22	102.9	1,286.4	394.0	342.1	51.91	7.590		
6,400.0	6,254.9	6,419.9	6,229.5	25.4	28.4	-88.90	103.7	1,312.8	400.1	347.3	52.83	7.573		
6,500.0	6,352.1	6,519.7	6,325.7	25.9	28.9	-88.59	104.5	1,339.2	406.2	352.4	53.74	7.558		
6,600.0	6,449.3	6,619.5	6,421.9	26.3	29.4	-88.29	105.3	1,365.6	412.3	357.6	54.65	7.543		
6,700.0	6,546.4	6,719.3	6,518.2	26.8	29.9	-87.99	106.2	1,392.0	418.4	362.8	55.56	7.530		
6,800.0	6,643.6	6,819.1	6,614.4	27.2	30.4	-87.71	107.0	1,418.4	424.5	368.0	56.47	7.517		
6,900.0	6,740.8	6,918.9	6,710.6	27.7	31.0	-87.43	107.8	1,444.8	430.6	373.2	57.38	7.505		
6,930.8	6,770.8	6,960.9	6,751.1	27.8	31.2	-87.31	107.9	1,455.9	432.4	374.7	57.74	7.489		
6,950.0	6,789.4	7,007.2	6,795.7	27.9	31.4	-80.75	105.5	1,468.2	432.2	374.3	57.94	7.460		
7,000.0	6,838.0	7,124.2	6,907.0	28.1	32.0	-62.69	86.3	1,498.7	423.9	366.5	57.48	7.376		
7,050.0	6,886.5	7,228.7	7,002.5	28.3	32.4	-45.15	53.6	1,524.9	405.3	349.4	55.88	7.253		
7,100.0	6,934.6	7,315.2	7,077.5	28.5	32.8	-29.13	15.7	1,545.5	378.3	324.6	53.71	7.043		
7,150.0	6,982.0	7,383.4	7,133.1	28.7	33.1	-14.06	-20.5	1,560.8	345.1	293.7	51.44	6.709		
7,200.0	7,028.5	7,435.0	7,172.9	28.8	33.3	1.16	-51.5	1,571.7	307.7	258.4	49.33	6.239		
7,250.0	7,074.0	7,473.0	7,200.7	29.0	33.5	17.22	-76.2	1,579.3	268.0	220.6	47.35	5.660		
7,300.0	7,118.1	7,500.0	7,219.8	29.1	33.6	33.51	-94.7	1,584.5	227.7	182.3	45.33	5.022		
7,350.0	7,160.7	7,518.3	7,232.3	29.3	33.7	48.15	-107.6	1,588.0	188.7	146.0	42.78	4.412		
7,400.0	7,201.5	7,529.9	7,240.0	29.4	33.8	59.32	-115.9	1,590.1	154.3	115.4	38.83	3.973		
7,450.0	7,240.4	7,536.0	7,244.0	29.5	33.8	66.35	-120.4	1,591.2	129.3	96.7	32.56	3.969 SF		
7,496.8	7,274.9	7,537.8	7,245.2	29.6	33.8	69.32	-121.7	1,591.5	120.6	93.7	26.87	4.486 ES		
7,500.0	7,277.2	7,537.8	7,245.2	29.6	33.8	69.40	-121.7	1,591.5	120.6	93.9	26.67	4.523		
7,550.0	7,311.7	7,536.1	7,244.1	29.8	33.8	68.88	-120.5	1,591.2	131.7	103.6	28.14	4.680		
7,600.0	7,343.7	7,531.5	7,241.1	29.9	33.8	65.20	-117.1	1,590.4	158.4	124.8	33.52	4.725		
7,650.0	7,373.0	7,524.6	7,236.5	30.0	33.7	58.90	-112.1	1,589.1	194.0	156.0	37.91	5.116		
7,700.0	7,399.6	7,515.8	7,230.6	30.2	33.7	50.83	-105.8	1,587.5	234.0	193.1	40.96	5.714		
7,750.0	7,423.3	7,500.0	7,219.8	30.3	33.6	40.38	-94.7	1,584.5	276.3	233.9	42.40	6.518		
7,800.0	7,444.0	7,500.0	7,219.8	30.5	33.6	35.43	-94.7	1,584.5	319.4	273.8	45.67	6.994		
7,850.0	7,461.5	7,480.5	7,206.1	30.7	33.5	26.40	-81.3	1,580.8	362.6	316.3	46.29	7.833		
7,900.0	7,475.8	7,466.5	7,196.1	30.9	33.5	20.32	-71.9	1,578.0	405.5	358.0	47.54	8.530		
7,950.0	7,486.9	7,450.0	7,184.1	31.1	33.4	15.23	-61.1	1,574.7	447.8	399.3	48.53	9.228		
8,000.0	7,494.6	7,436.0	7,173.7	31.3	33.3	11.44	-52.2	1,571.9	489.3	439.6	49.72	9.841		
8,050.0	7,499.0	7,419.8	7,161.4	31.5	33.3	8.24	-42.1	1,568.5	529.8	479.1	50.71	10.448		
8,089.2	7,500.0	7,400.0	7,146.2	31.7	33.2	5.83	-30.2	1,564.3	560.8	509.8	51.00	10.996		
8,100.0	7,500.0	7,400.0	7,146.2	31.7	33.2	5.83	-30.2	1,564.3	569.2	517.7	51.45	11.063		
8,200.0	7,500.0	7,371.5	7,123.7	32.3	33.1	4.55	-13.8	1,558.2	649.1	595.8	53.27	12.185		
8,300.0	7,500.0	7,350.0	7,106.3	32.9	33.0	3.66	-2.1	1,553.4	731.7	676.8	54.89	13.331		
8,400.0	7,500.0	7,319.0	7,080.6	33.6	32.8	2.48	13.9	1,546.4	816.5	760.8	55.65	14.671		
8,500.0	7,500.0	7,300.0	7,064.6	34.3	32.7	1.81	23.0	1,542.0	903.1	846.5	56.65	15.941		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4J-32H-O268 - OH - PLAN #1												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	
8,600.0	7,500.0	7,277.2	7,045.1	35.2	32.6	1.06	33.5	1,536.6	991.3	934.0	57.28	17.307	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4K-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.68	0.6	-110.0	110.0					
100.0	100.0	100.0	100.0	0.1	0.1	-89.68	0.6	-110.0	110.0	109.7	0.30	370.595		
200.0	200.0	200.0	200.0	0.3	0.3	-89.68	0.6	-110.0	110.0	109.3	0.65	170.274	CC	
250.0	250.0	250.0	250.0	0.4	0.4	-89.46	1.0	-110.0	110.0	109.1	0.82	133.751		
300.0	300.0	299.9	299.9	0.5	0.5	91.45	2.4	-110.0	110.0	109.0	1.00	110.141	ES	
400.0	399.9	399.3	399.1	0.7	0.7	95.92	7.5	-110.0	110.6	109.2	1.37	80.407		
500.0	499.8	497.7	497.2	0.9	0.9	121.26	16.1	-110.0	113.7	111.9	1.78	63.890		
600.0	599.6	600.6	599.6	1.1	1.2	143.95	26.3	-108.3	118.9	116.7	2.19	54.196		
700.0	699.4	704.0	702.4	1.3	1.4	161.85	35.3	-103.1	123.8	121.1	2.61	47.468		
800.0	799.1	807.7	805.4	1.5	1.6	175.92	43.2	-94.3	127.9	124.8	3.02	42.281		
900.0	898.6	911.4	908.2	1.7	1.9	-172.67	49.8	-82.0	131.1	127.6	3.46	37.913		
1,000.0	998.0	1,015.2	1,010.6	1.9	2.2	-163.01	55.2	-66.2	133.2	129.3	3.92	33.986		
1,100.0	1,097.3	1,118.9	1,112.4	2.2	2.6	-154.45	59.4	-46.8	134.4	129.9	4.43	30.308		
1,200.0	1,196.3	1,222.4	1,213.3	2.5	2.9	-146.52	62.3	-24.1	134.5	129.5	5.02	26.800		
1,300.0	1,295.1	1,325.5	1,313.0	2.8	3.4	-138.88	64.0	2.0	133.8	128.1	5.70	23.470		
1,400.0	1,393.6	1,426.6	1,410.1	3.1	3.9	-131.45	64.5	30.5	132.7	126.2	6.48	20.465		
1,426.3	1,419.4	1,452.7	1,435.1	3.2	4.0	-129.64	64.6	38.0	132.6	125.9	6.70	19.784		
1,500.0	1,491.8	1,525.9	1,505.2	3.5	4.4	-124.90	64.9	59.0	133.1	125.7	7.33	18.149		
1,600.0	1,589.7	1,625.4	1,600.4	3.8	4.9	-119.32	65.3	87.6	135.0	126.7	8.23	16.393		
1,700.0	1,687.2	1,725.0	1,695.8	4.2	5.4	-114.76	65.6	116.2	138.0	128.8	9.17	15.037		
1,735.7	1,721.9	1,760.5	1,729.9	4.4	5.5	-113.38	65.8	126.4	139.2	129.7	9.52	14.631		
1,800.0	1,784.4	1,824.7	1,791.3	4.7	5.9	-111.63	66.0	144.8	141.7	131.5	10.14	13.974		
1,900.0	1,881.6	1,924.4	1,886.9	5.1	6.4	-109.04	66.4	173.4	145.7	134.6	11.12	13.108		
2,000.0	1,978.8	2,024.1	1,982.4	5.5	6.9	-106.59	66.7	202.1	150.0	137.9	12.10	12.396		
2,100.0	2,075.9	2,123.8	2,077.9	6.0	7.5	-104.28	67.1	230.7	154.6	141.5	13.09	11.809		
2,200.0	2,173.1	2,223.5	2,173.4	6.4	8.0	-102.11	67.5	259.3	159.4	145.3	14.08	11.322		
2,300.0	2,270.3	2,323.2	2,268.9	6.8	8.5	-100.07	67.9	287.9	164.4	149.4	15.06	10.916		
2,400.0	2,367.5	2,422.9	2,364.4	7.3	9.1	-98.15	68.2	316.6	169.6	153.6	16.04	10.577		
2,500.0	2,464.7	2,522.6	2,459.9	7.7	9.6	-96.34	68.6	345.2	175.0	158.0	17.01	10.291		
2,600.0	2,561.9	2,622.3	2,555.4	8.2	10.1	-94.65	69.0	373.8	180.6	162.6	17.97	10.051		
2,700.0	2,659.1	2,722.0	2,650.9	8.6	10.7	-93.06	69.3	402.4	186.3	167.4	18.92	9.847		
2,800.0	2,756.2	2,821.7	2,746.4	9.1	11.2	-91.56	69.7	431.1	192.2	172.3	19.86	9.674		
2,900.0	2,853.4	2,921.4	2,841.9	9.5	11.8	-90.15	70.1	459.7	198.1	177.3	20.79	9.527		
3,000.0	2,950.6	3,021.2	2,937.5	10.0	12.3	-88.83	70.4	488.3	204.2	182.5	21.72	9.402		
3,100.0	3,047.8	3,120.9	3,033.0	10.4	12.8	-87.58	70.8	516.9	210.4	187.8	22.63	9.296		
3,200.0	3,145.0	3,220.6	3,128.5	10.9	13.4	-86.40	71.2	545.6	216.7	193.1	23.54	9.204		
3,300.0	3,242.2	3,320.3	3,224.0	11.3	13.9	-85.29	71.5	574.2	223.0	198.6	24.44	9.127		
3,400.0	3,339.4	3,420.0	3,319.5	11.8	14.5	-84.25	71.9	602.8	229.5	204.1	25.33	9.060		
3,500.0	3,436.5	3,519.7	3,415.0	12.2	15.0	-83.26	72.3	631.4	236.0	209.8	26.21	9.004		
3,600.0	3,533.7	3,619.4	3,510.5	12.7	15.6	-82.32	72.6	660.1	242.6	215.5	27.09	8.956		
3,700.0	3,630.9	3,719.1	3,606.0	13.1	16.1	-81.43	73.0	688.7	249.2	221.3	27.95	8.915		
3,800.0	3,728.1	3,818.8	3,701.5	13.6	16.7	-80.59	73.4	717.3	255.9	227.1	28.82	8.881		
3,900.0	3,825.3	3,918.5	3,797.0	14.0	17.2	-79.79	73.7	745.9	262.7	233.0	29.67	8.852		
4,000.0	3,922.5	4,018.2	3,892.5	14.5	17.7	-79.03	74.1	774.6	269.5	238.9	30.53	8.827		
4,100.0	4,019.6	4,117.9	3,988.0	14.9	18.3	-78.31	74.5	803.2	276.3	244.9	31.37	8.807		
4,200.0	4,116.8	4,217.6	4,083.6	15.4	18.8	-77.63	74.8	831.8	283.2	251.0	32.21	8.791		
4,300.0	4,214.0	4,317.3	4,179.1	15.8	19.4	-76.97	75.2	860.4	290.1	257.1	33.05	8.778		
4,400.0	4,311.2	4,417.0	4,274.6	16.3	19.9	-76.35	75.6	889.1	297.1	263.2	33.89	8.767		
4,500.0	4,408.4	4,516.8	4,370.1	16.7	20.5	-75.76	75.9	917.7	304.1	269.4	34.71	8.759		
4,600.0	4,505.6	4,616.5	4,465.6	17.2	21.0	-75.19	76.3	946.3	311.1	275.6	35.54	8.754		
4,700.0	4,602.8	4,716.2	4,561.1	17.7	21.6	-74.65	76.7	974.9	318.2	281.8	36.36	8.750		
4,800.0	4,699.9	4,815.9	4,656.6	18.1	22.1	-74.13	77.1	1,003.6	325.2	288.1	37.18	8.747		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4K-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
4,900.0	4,797.1	4,915.6	4,752.1	18.6	22.7	-73.63	77.4	1,032.2	332.3	294.4	38.00	8.747		
5,000.0	4,894.3	5,015.3	4,847.6	19.0	23.2	-73.16	77.8	1,060.8	339.5	300.7	38.81	8.747		
5,100.0	4,991.5	5,115.0	4,943.1	19.5	23.8	-72.70	78.2	1,089.4	346.6	307.0	39.62	8.749		
5,200.0	5,088.7	5,214.7	5,038.6	19.9	24.3	-72.26	78.5	1,118.1	353.8	313.4	40.43	8.751		
5,300.0	5,185.9	5,314.4	5,134.2	20.4	24.8	-71.84	78.9	1,146.7	361.0	319.8	41.24	8.755		
5,400.0	5,283.0	5,414.1	5,229.7	20.8	25.4	-71.44	79.3	1,175.3	368.2	326.2	42.04	8.759		
5,500.0	5,380.2	5,513.8	5,325.2	21.3	25.9	-71.05	79.6	1,203.9	375.4	332.6	42.84	8.764		
5,600.0	5,477.4	5,613.5	5,420.7	21.8	26.5	-70.68	80.0	1,232.6	382.7	339.0	43.64	8.769		
5,700.0	5,574.6	5,713.2	5,516.2	22.2	27.0	-70.32	80.4	1,261.2	389.9	345.5	44.44	8.775		
5,800.0	5,671.8	5,812.9	5,611.7	22.7	27.6	-69.97	80.7	1,289.8	397.2	352.0	45.23	8.782		
5,900.0	5,769.0	5,912.6	5,707.2	23.1	28.1	-69.64	81.1	1,318.4	404.5	358.5	46.03	8.789		
6,000.0	5,866.2	6,012.4	5,802.7	23.6	28.7	-69.32	81.5	1,347.1	411.8	365.0	46.82	8.796		
6,100.0	5,963.3	6,112.1	5,898.2	24.0	29.2	-69.00	81.8	1,375.7	419.1	371.5	47.61	8.803		
6,200.0	6,060.5	6,211.8	5,993.7	24.5	29.8	-68.70	82.2	1,404.3	426.5	378.1	48.40	8.811		
6,300.0	6,157.7	6,311.5	6,089.2	24.9	30.3	-68.41	82.6	1,432.9	433.8	384.6	49.19	8.819		
6,400.0	6,254.9	6,411.2	6,184.7	25.4	30.9	-68.13	82.9	1,461.6	441.2	391.2	49.98	8.827		
6,500.0	6,352.1	6,510.9	6,280.3	25.9	31.4	-67.86	83.3	1,490.2	448.5	397.8	50.76	8.836		
6,600.0	6,449.3	6,610.6	6,375.8	26.3	32.0	-67.60	83.7	1,518.8	455.9	404.3	51.55	8.844		
6,700.0	6,546.4	6,710.3	6,471.3	26.8	32.5	-67.35	84.0	1,547.4	463.3	410.9	52.33	8.853		
6,800.0	6,643.6	6,810.0	6,566.8	27.2	33.0	-67.10	84.4	1,576.0	470.7	417.5	53.11	8.861		
6,900.0	6,740.8	6,909.7	6,662.3	27.7	33.6	-66.86	84.8	1,604.7	478.0	424.2	53.89	8.870		
6,930.8	6,770.8	6,940.5	6,691.7	27.8	33.8	-66.79	84.9	1,613.5	480.3	426.2	54.13	8.873		
6,950.0	6,789.4	6,959.6	6,710.1	27.9	33.9	-66.46	85.0	1,619.0	481.5	427.3	54.27	8.873		
7,000.0	6,838.0	7,009.5	6,757.9	28.1	34.1	-43.55	85.1	1,633.3	482.7	428.2	54.53	8.852		
7,050.0	6,886.5	7,059.2	6,805.5	28.3	34.4	-28.10	85.3	1,647.6	481.0	426.4	54.64	8.804		
7,100.0	6,934.6	7,108.6	6,852.8	28.5	34.7	-15.37	85.5	1,661.8	476.6	422.0	54.59	8.730		
7,150.0	6,982.0	7,157.3	6,899.4	28.7	35.0	-5.20	85.7	1,675.7	469.5	415.1	54.35	8.637		
7,200.0	7,028.5	7,205.1	6,945.2	28.8	35.2	3.13	85.9	1,689.5	459.8	405.9	53.91	8.530		
7,250.0	7,074.0	7,251.8	6,989.9	29.0	35.5	10.29	86.0	1,702.9	447.9	394.7	53.20	8.418		
7,300.0	7,118.1	7,308.9	7,044.6	29.1	35.8	17.42	85.8	1,719.3	433.7	381.4	52.25	8.301		
7,350.0	7,160.7	7,382.6	7,115.0	29.3	36.2	26.29	79.6	1,740.2	415.3	364.7	50.57	8.212 SF		
7,400.0	7,201.5	7,442.7	7,171.8	29.4	36.5	35.67	69.0	1,757.1	393.6	345.7	47.91	8.216		
7,450.0	7,240.4	7,490.2	7,215.8	29.5	36.7	44.99	57.2	1,770.0	370.8	326.4	44.41	8.348		
7,500.0	7,277.2	7,526.5	7,248.9	29.6	36.9	53.55	46.1	1,779.8	348.8	308.6	40.18	8.681		
7,550.0	7,311.7	7,553.4	7,273.2	29.8	37.0	60.75	36.7	1,786.9	329.7	294.3	35.43	9.307		
7,600.0	7,343.7	7,572.7	7,290.3	29.9	37.1	66.30	29.5	1,791.9	315.4	284.6	30.79	10.243		
7,650.0	7,373.0	7,585.6	7,301.7	30.0	37.2	70.13	24.3	1,795.2	307.4	280.0	27.46	11.195		
7,678.2	7,388.4	7,590.6	7,306.1	30.1	37.2	71.55	22.2	1,796.5	306.2	279.4	26.78	11.434		
7,700.0	7,399.6	7,593.5	7,308.6	30.2	37.2	72.30	21.1	1,797.2	306.9	280.0	26.98	11.376		
7,750.0	7,423.3	7,597.1	7,311.8	30.3	37.3	72.95	19.6	1,798.1	314.3	284.6	29.68	10.589		
7,800.0	7,444.0	7,600.0	7,314.3	30.5	37.3	72.72	18.3	1,798.9	329.0	294.5	34.42	9.559		
7,850.0	7,461.5	7,594.5	7,309.5	30.7	37.2	70.21	20.6	1,797.5	350.0	310.8	39.26	8.916		
7,900.0	7,475.8	7,589.4	7,305.0	30.9	37.2	67.11	22.8	1,796.2	376.3	332.4	43.90	8.572		
7,950.0	7,486.9	7,582.3	7,298.8	31.1	37.2	63.08	25.7	1,794.4	406.4	358.6	47.89	8.486		
8,000.0	7,494.6	7,573.4	7,291.0	31.3	37.1	58.33	29.2	1,792.1	439.5	388.2	51.24	8.577		
8,050.0	7,499.0	7,563.1	7,281.9	31.5	37.1	53.12	33.1	1,789.4	474.4	420.4	54.02	8.783		
8,089.2	7,500.0	7,550.0	7,270.2	31.7	37.0	48.28	38.0	1,786.0	502.8	447.1	55.67	9.032		
8,100.0	7,500.0	7,550.0	7,270.2	31.7	37.0	48.28	38.0	1,786.0	510.7	454.4	56.26	9.077		
8,200.0	7,500.0	7,530.1	7,252.3	32.3	36.9	45.56	44.9	1,780.8	587.7	527.8	59.85	9.819		
8,300.0	7,500.0	7,511.8	7,235.6	32.9	36.8	43.13	50.8	1,775.9	669.8	607.5	62.32	10.748		
8,400.0	7,500.0	7,500.0	7,224.8	33.6	36.8	41.63	54.4	1,772.7	755.5	691.3	64.21	11.766		
8,500.0	7,500.0	7,482.0	7,208.3	34.3	36.7	39.40	59.4	1,767.8	843.9	778.5	65.37	12.909		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4K-32H-O268 - OH - PLAN #1													Offset Site Error: 0.0 ft
Survey Program: 0-Geolink 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	
8,600.0	7,500.0	7,469.8	7,197.0	35.2	36.6	37.95	62.6	1,764.5	934.2	867.9	66.35	14.080	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-Geolink 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	-89.56	0.8	-99.9	99.9						
100.0	100.0	100.0	100.0	0.1	0.1	-89.56	0.8	-99.9	99.9	99.6	0.30	336.653			
200.0	200.0	200.0	200.0	0.3	0.3	-89.56	0.8	-99.9	99.9	99.2	0.65	154.678			
250.0	250.0	250.0	250.0	0.4	0.4	-89.56	0.8	-99.9	99.9	99.1	0.82	121.768	CC		
300.0	300.0	300.0	300.0	0.5	0.5	90.69	0.8	-99.9	99.9	98.9	1.00	100.387			
400.0	399.9	399.9	399.9	0.7	0.7	92.69	0.8	-99.9	100.0	98.6	1.35	73.951	ES		
500.0	499.8	499.8	499.8	0.9	0.8	114.14	0.8	-99.9	101.2	99.5	1.71	59.054			
600.0	599.6	599.6	599.6	1.1	1.0	132.30	0.8	-99.9	104.5	102.4	2.08	50.303			
700.0	699.4	699.4	699.4	1.3	1.2	146.15	0.8	-99.9	109.6	107.2	2.44	44.989			
800.0	799.1	798.5	798.5	1.5	1.4	156.27	0.6	-100.0	116.8	114.0	2.79	41.826			
900.0	898.6	896.7	896.7	1.7	1.5	163.16	-0.4	-101.3	126.6	123.4	3.14	40.277			
1,000.0	998.0	994.5	994.4	1.9	1.7	167.66	-2.5	-103.9	139.1	135.7	3.49	39.821	SF		
1,100.0	1,097.3	1,091.8	1,091.6	2.2	1.9	170.45	-5.6	-107.8	154.4	150.6	3.85	40.128			
1,200.0	1,196.3	1,188.3	1,187.9	2.5	2.1	172.06	-9.8	-112.9	172.4	168.2	4.21	40.995			
1,300.0	1,295.1	1,284.1	1,283.3	2.8	2.3	172.88	-14.8	-119.2	193.3	188.7	4.57	42.286			
1,400.0	1,393.6	1,380.7	1,379.5	3.1	2.5	173.24	-20.7	-126.5	216.6	211.7	4.94	43.829			
1,500.0	1,491.8	1,477.3	1,475.7	3.5	2.7	173.49	-26.6	-133.8	241.8	236.5	5.32	45.468			
1,600.0	1,589.7	1,573.6	1,571.4	3.8	2.9	173.70	-32.4	-141.0	268.7	263.0	5.69	47.195			
1,700.0	1,687.2	1,669.3	1,666.7	4.2	3.1	173.87	-38.2	-148.3	297.3	291.3	6.07	48.992			
1,735.7	1,721.9	1,703.3	1,700.5	4.4	3.2	173.93	-40.3	-150.8	308.0	301.8	6.20	49.648			
1,800.0	1,784.4	1,764.6	1,761.5	4.7	3.3	173.45	-44.0	-155.4	327.4	320.9	6.45	50.789			
1,900.0	1,881.6	1,859.8	1,856.4	5.1	3.5	172.80	-49.8	-162.6	357.5	350.7	6.82	52.398			
2,000.0	1,978.8	1,955.1	1,951.2	5.5	3.8	172.25	-55.6	-169.8	387.7	380.5	7.20	53.834			
2,100.0	2,075.9	2,050.4	2,046.0	6.0	4.0	171.79	-61.4	-177.0	418.0	410.4	7.58	55.123			
2,200.0	2,173.1	2,145.6	2,140.8	6.4	4.2	171.38	-67.2	-184.2	448.2	440.3	7.96	56.286			
2,300.0	2,270.3	2,240.9	2,235.6	6.8	4.4	171.03	-73.0	-191.4	478.5	470.2	8.35	57.340			
2,400.0	2,367.5	2,336.2	2,330.5	7.3	4.7	170.72	-78.8	-198.6	508.8	500.1	8.73	58.299			
2,500.0	2,464.7	2,431.4	2,425.3	7.7	4.9	170.44	-84.6	-205.7	539.1	530.0	9.11	59.175			
2,600.0	2,561.9	2,526.7	2,520.1	8.2	5.1	170.19	-90.4	-212.9	569.4	559.9	9.49	59.978			
2,700.0	2,659.1	2,622.0	2,614.9	8.6	5.3	169.97	-96.2	-220.1	599.7	589.8	9.88	60.718			
2,800.0	2,756.2	2,717.3	2,709.7	9.1	5.6	169.77	-102.0	-227.3	630.0	619.8	10.26	61.400			
2,900.0	2,853.4	2,812.5	2,804.6	9.5	5.8	169.59	-107.8	-234.5	660.4	649.7	10.65	62.032			
3,000.0	2,950.6	2,907.8	2,899.4	10.0	6.0	169.42	-113.6	-241.7	690.7	679.7	11.03	62.618			
3,100.0	3,047.8	3,003.1	2,994.2	10.4	6.2	169.27	-119.4	-248.9	721.1	709.6	11.42	63.164			
3,200.0	3,145.0	3,098.3	3,089.0	10.9	6.5	169.13	-125.2	-256.0	751.4	739.6	11.80	63.674			
3,300.0	3,242.2	3,193.6	3,183.8	11.3	6.7	169.00	-131.0	-263.2	781.8	769.6	12.19	64.150			
3,400.0	3,339.4	3,288.9	3,278.7	11.8	6.9	168.88	-136.8	-270.4	812.1	799.5	12.57	64.596			
3,500.0	3,436.5	3,384.1	3,373.5	12.2	7.2	168.77	-142.6	-277.6	842.5	829.5	12.96	65.015			
3,600.0	3,533.7	3,479.4	3,468.3	12.7	7.4	168.67	-148.3	-284.8	872.8	859.5	13.34	65.409			
3,700.0	3,630.9	3,574.7	3,563.1	13.1	7.6	168.57	-154.1	-292.0	903.2	889.5	13.73	65.780			
3,800.0	3,728.1	3,669.9	3,657.9	13.6	7.8	168.48	-159.9	-299.1	933.6	919.4	14.12	66.131			
3,900.0	3,825.3	3,765.2	3,752.8	14.0	8.1	168.40	-165.7	-306.3	963.9	949.4	14.50	66.462			
4,000.0	3,922.5	3,860.5	3,847.6	14.5	8.3	168.32	-171.5	-313.5	994.3	979.4	14.89	66.776			

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4M-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.51	0.8	-90.1	90.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.51	0.8	-90.1	90.1	89.8	0.30	303.650		
200.0	200.0	200.0	200.0	0.3	0.3	-89.51	0.8	-90.1	90.1	89.4	0.65	139.515		
250.0	250.0	250.0	250.0	0.4	0.4	-89.51	0.8	-90.1	90.1	89.3	0.82	109.831	CC	
300.0	300.0	300.0	300.0	0.5	0.5	90.77	0.8	-90.1	90.1	89.1	1.00	90.546		
400.0	399.9	399.9	399.9	0.7	0.7	92.98	0.8	-90.1	90.2	88.9	1.35	66.718	ES	
500.0	499.8	499.8	499.8	0.9	0.8	114.74	0.8	-90.1	91.5	89.8	1.71	53.376		
600.0	599.6	599.6	599.6	1.1	1.0	133.16	0.8	-90.1	94.8	92.7	2.08	45.654		
700.0	699.4	699.4	699.4	1.3	1.2	147.19	0.8	-90.1	100.0	97.6	2.44	41.067		
800.0	799.1	799.1	799.1	1.5	1.4	157.50	0.8	-90.1	107.1	104.3	2.79	38.379		
900.0	898.6	897.7	897.7	1.7	1.5	164.67	0.2	-90.7	116.3	113.2	3.14	37.043		
1,000.0	998.0	996.0	996.0	1.9	1.7	169.24	-1.7	-92.4	128.1	124.6	3.49	36.686	SF	
1,100.0	1,097.3	1,093.9	1,093.8	2.2	1.9	171.94	-4.8	-95.2	142.3	138.4	3.84	37.007		
1,200.0	1,196.3	1,191.2	1,190.9	2.5	2.1	173.35	-9.0	-99.1	159.0	154.8	4.20	37.822		
1,300.0	1,295.1	1,287.9	1,287.3	2.8	2.3	173.90	-14.5	-104.2	178.3	173.8	4.57	39.020		
1,400.0	1,393.6	1,385.5	1,384.5	3.1	2.5	174.10	-20.5	-109.7	199.8	194.8	4.94	40.409		
1,500.0	1,491.8	1,482.6	1,481.3	3.5	2.7	174.23	-26.4	-115.1	223.0	217.7	5.32	41.928		
1,600.0	1,589.7	1,579.3	1,577.7	3.8	2.9	174.32	-32.3	-120.6	248.1	242.4	5.70	43.550		
1,700.0	1,687.2	1,675.5	1,673.6	4.2	3.1	174.40	-38.2	-126.0	274.9	268.8	6.07	45.254		
1,735.7	1,721.9	1,709.7	1,707.7	4.4	3.1	174.43	-40.3	-127.9	284.8	278.6	6.21	45.879		
1,800.0	1,784.4	1,771.4	1,769.1	4.7	3.3	173.89	-44.1	-131.4	303.0	296.6	6.45	46.967		
1,900.0	1,881.6	1,867.2	1,864.6	5.1	3.5	173.18	-50.0	-136.8	331.4	324.5	6.83	48.502		
2,000.0	1,978.8	1,963.1	1,960.1	5.5	3.7	172.58	-55.8	-142.2	359.7	352.5	7.21	49.872		
2,100.0	2,075.9	2,058.9	2,055.6	6.0	3.9	172.06	-61.7	-147.6	388.1	380.5	7.60	51.101		
2,200.0	2,173.1	2,154.7	2,151.1	6.4	4.1	171.62	-67.6	-153.1	416.5	408.6	7.98	52.208		
2,300.0	2,270.3	2,250.5	2,246.6	6.8	4.3	171.23	-73.4	-158.5	445.0	436.6	8.36	53.212		
2,400.0	2,367.5	2,346.4	2,342.1	7.3	4.5	170.89	-79.3	-163.9	473.4	464.7	8.75	54.124		
2,500.0	2,464.7	2,442.2	2,437.6	7.7	4.7	170.59	-85.2	-169.3	501.9	492.8	9.13	54.957		
2,600.0	2,561.9	2,538.0	2,533.1	8.2	4.9	170.32	-91.1	-174.7	530.4	520.9	9.52	55.721		
2,700.0	2,659.1	2,633.9	2,628.6	8.6	5.2	170.08	-96.9	-180.1	558.9	549.0	9.91	56.424		
2,800.0	2,756.2	2,729.7	2,724.1	9.1	5.4	169.86	-102.8	-185.5	587.4	577.1	10.29	57.072		
2,900.0	2,853.4	2,825.5	2,819.6	9.5	5.6	169.66	-108.7	-190.9	615.9	605.2	10.68	57.671		
3,000.0	2,950.6	2,921.4	2,915.1	10.0	5.8	169.48	-114.5	-196.3	644.4	633.4	11.07	58.228		
3,100.0	3,047.8	3,017.2	3,010.6	10.4	6.0	169.31	-120.4	-201.7	672.9	661.5	11.46	58.746		
3,200.0	3,145.0	3,113.0	3,106.1	10.9	6.2	169.16	-126.3	-207.1	701.5	689.6	11.84	59.228		
3,300.0	3,242.2	3,208.8	3,201.6	11.3	6.4	169.02	-132.1	-212.5	730.0	717.8	12.23	59.679		
3,400.0	3,339.4	3,304.7	3,297.1	11.8	6.7	168.89	-138.0	-217.9	758.5	745.9	12.62	60.102		
3,500.0	3,436.5	3,400.5	3,392.6	12.2	6.9	168.77	-143.9	-223.3	787.1	774.1	13.01	60.499		
3,600.0	3,533.7	3,496.3	3,488.1	12.7	7.1	168.66	-149.8	-228.7	815.6	802.2	13.40	60.871		
3,700.0	3,630.9	3,592.2	3,583.6	13.1	7.3	168.55	-155.6	-234.1	844.1	830.4	13.79	61.223		
3,800.0	3,728.1	3,688.0	3,679.1	13.6	7.5	168.46	-161.5	-239.5	872.7	858.5	14.18	61.554		
3,900.0	3,825.3	3,783.8	3,774.6	14.0	7.7	168.37	-167.4	-245.0	901.2	886.7	14.57	61.867		
4,000.0	3,922.5	3,879.6	3,870.1	14.5	7.9	168.28	-173.2	-250.4	929.8	914.8	14.96	62.164		
4,100.0	4,019.6	3,975.5	3,965.6	14.9	8.2	168.20	-179.1	-255.8	958.3	943.0	15.35	62.445		
4,200.0	4,116.8	4,071.3	4,061.0	15.4	8.4	168.12	-185.0	-261.2	986.9	971.2	15.74	62.711		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4N-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-89.73	0.4	-80.0	80.0					
100.0	100.0	100.0	100.0	0.1	0.1	-89.73	0.4	-80.0	80.0	79.7	0.30	269.694		
200.0	200.0	200.0	200.0	0.3	0.3	-89.73	0.4	-80.0	80.0	79.4	0.65	123.914		
250.0	250.0	250.0	250.0	0.4	0.4	-89.73	0.4	-80.0	80.0	79.2	0.82	97.549 CC		
300.0	300.0	300.0	300.0	0.5	0.5	90.58	0.4	-80.0	80.0	79.0	1.00	80.420		
400.0	399.9	399.9	399.9	0.7	0.7	93.08	0.4	-80.0	80.1	78.8	1.35	59.264 ES		
500.0	499.8	499.8	499.8	0.9	0.8	115.23	0.4	-80.0	81.5	79.7	1.71	47.515		
600.0	599.6	599.6	599.6	1.1	1.0	133.98	0.4	-80.0	84.8	82.7	2.08	40.849		
700.0	699.4	699.4	699.4	1.3	1.2	148.11	0.2	-80.1	90.1	87.7	2.43	37.010		
800.0	799.1	799.1	799.0	1.5	1.4	157.54	-1.5	-80.5	97.2	94.4	2.79	34.833		
900.0	898.6	898.7	898.6	1.7	1.5	163.35	-4.8	-81.3	106.1	102.9	3.15	33.664		
1,000.0	998.0	998.0	997.8	1.9	1.7	166.60	-9.8	-82.6	116.7	113.2	3.52	33.160 SF		
1,100.0	1,097.3	1,097.2	1,096.8	2.2	1.9	168.53	-15.5	-84.1	129.0	125.1	3.89	33.167		
1,200.0	1,196.3	1,196.1	1,195.6	2.5	2.1	169.85	-21.1	-85.5	143.2	138.9	4.27	33.567		
1,300.0	1,295.1	1,294.8	1,294.1	2.8	2.3	170.79	-26.7	-86.9	159.1	154.4	4.64	34.267		
1,400.0	1,393.6	1,393.2	1,392.3	3.1	2.5	171.47	-32.4	-88.3	176.8	171.7	5.02	35.202		
1,500.0	1,491.8	1,491.2	1,490.2	3.5	2.7	171.99	-37.9	-89.8	196.2	190.8	5.40	36.323		
1,600.0	1,589.7	1,588.9	1,587.7	3.8	2.9	172.39	-43.5	-91.2	217.3	211.5	5.78	37.592		
1,700.0	1,687.2	1,686.2	1,684.8	4.2	3.1	172.72	-49.0	-92.6	240.2	234.1	6.16	38.983		
1,735.7	1,721.9	1,720.8	1,719.4	4.4	3.1	172.83	-51.0	-93.1	248.8	242.5	6.30	39.504		
1,800.0	1,784.4	1,783.2	1,781.6	4.7	3.3	172.43	-54.6	-94.0	264.5	257.9	6.54	40.417		
1,900.0	1,881.6	1,880.2	1,878.4	5.1	3.4	171.90	-60.1	-95.4	288.9	281.9	6.93	41.704		
2,000.0	1,978.8	1,977.1	1,975.2	5.5	3.6	171.45	-65.6	-96.8	313.3	306.0	7.31	42.854		
2,100.0	2,075.9	2,074.0	2,072.0	6.0	3.8	171.07	-71.1	-98.2	337.7	330.0	7.70	43.886		
2,200.0	2,173.1	2,171.0	2,168.8	6.4	4.0	170.73	-76.6	-99.6	362.2	354.1	8.08	44.817		
2,300.0	2,270.3	2,267.9	2,265.5	6.8	4.2	170.44	-82.2	-101.0	386.6	378.1	8.47	45.661		
2,400.0	2,367.5	2,364.9	2,362.3	7.3	4.4	170.19	-87.7	-102.4	411.1	402.2	8.85	46.430		
2,500.0	2,464.7	2,461.8	2,459.1	7.7	4.6	169.96	-93.2	-103.8	435.5	426.3	9.24	47.132		
2,600.0	2,561.9	2,558.8	2,555.9	8.2	4.8	169.76	-98.7	-105.2	460.0	450.4	9.63	47.777		
2,700.0	2,659.1	2,655.7	2,652.7	8.6	5.0	169.58	-104.2	-106.6	484.5	474.5	10.02	48.370		
2,800.0	2,756.2	2,752.7	2,749.4	9.1	5.2	169.41	-109.8	-108.0	509.0	498.6	10.40	48.918		
2,900.0	2,853.4	2,849.6	2,846.2	9.5	5.4	169.26	-115.3	-109.4	533.4	522.6	10.79	49.426		
3,000.0	2,950.6	2,946.6	2,943.0	10.0	5.6	169.13	-120.8	-110.8	557.9	546.7	11.18	49.898		
3,100.0	3,047.8	3,043.5	3,039.8	10.4	5.8	169.00	-126.3	-112.2	582.4	570.8	11.57	50.337		
3,200.0	3,145.0	3,140.5	3,136.6	10.9	6.0	168.89	-131.8	-113.6	606.9	595.0	11.96	50.747		
3,300.0	3,242.2	3,237.4	3,233.3	11.3	6.2	168.78	-137.4	-115.1	631.4	619.1	12.35	51.130		
3,400.0	3,339.4	3,334.4	3,330.1	11.8	6.4	168.68	-142.9	-116.5	655.9	643.2	12.74	51.489		
3,500.0	3,436.5	3,431.3	3,426.9	12.2	6.6	168.59	-148.4	-117.9	680.4	667.3	13.13	51.827		
3,600.0	3,533.7	3,528.3	3,523.7	12.7	6.8	168.51	-153.9	-119.3	704.9	691.4	13.52	52.144		
3,700.0	3,630.9	3,625.2	3,620.5	13.1	6.9	168.43	-159.4	-120.7	729.4	715.5	13.91	52.444		
3,800.0	3,728.1	3,722.2	3,717.2	13.6	7.1	168.35	-165.0	-122.1	753.9	739.6	14.30	52.727		
3,900.0	3,825.3	3,819.1	3,814.0	14.0	7.3	168.28	-170.5	-123.5	778.4	763.7	14.69	52.994		
4,000.0	3,922.5	3,916.0	3,910.8	14.5	7.5	168.22	-176.0	-124.9	802.9	787.8	15.08	53.247		
4,100.0	4,019.6	4,013.0	4,007.6	14.9	7.7	168.16	-181.5	-126.3	827.4	811.9	15.47	53.487		
4,200.0	4,116.8	4,109.9	4,104.4	15.4	7.9	168.10	-187.0	-127.7	851.9	836.1	15.86	53.715		
4,300.0	4,214.0	4,206.9	4,201.1	15.8	8.1	168.05	-192.6	-129.1	876.4	860.2	16.25	53.932		
4,400.0	4,311.2	4,303.8	4,297.9	16.3	8.3	167.99	-198.1	-130.5	900.9	884.3	16.64	54.139		
4,500.0	4,408.4	4,400.8	4,394.7	16.7	8.5	167.94	-203.6	-131.9	925.4	908.4	17.03	54.336		
4,600.0	4,505.6	4,497.7	4,491.5	17.2	8.7	167.90	-209.1	-133.3	949.9	932.5	17.42	54.524		
4,700.0	4,602.8	4,594.7	4,588.3	17.7	8.9	167.85	-214.6	-134.7	974.5	956.6	17.81	54.703		
4,800.0	4,699.9	4,691.6	4,685.0	18.1	9.1	167.81	-220.2	-136.1	999.0	980.8	18.20	54.875		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4O-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.73	0.3	-69.9	69.9					
100.0	100.0	100.0	100.0	0.1	0.1	-89.73	0.3	-69.9	69.9	69.7	0.30	235.747		
200.0	200.0	200.0	200.0	0.3	0.3	-89.73	0.3	-69.9	69.9	69.3	0.65	108.316		
250.0	250.0	250.0	250.0	0.4	0.4	-89.73	0.3	-69.9	69.9	69.1	0.82	85.270	CC	
300.0	300.0	300.0	300.0	0.5	0.5	90.63	0.3	-69.9	70.0	69.0	1.00	70.298		
400.0	399.9	399.9	399.9	0.7	0.7	93.48	0.3	-69.9	70.1	68.7	1.35	51.826	ES	
500.0	499.8	499.8	499.8	0.9	0.8	116.13	0.3	-69.9	71.4	69.7	1.71	41.686		
600.0	599.6	599.6	599.6	1.1	1.0	135.27	0.3	-69.9	74.9	72.8	2.07	36.089		
700.0	699.4	700.2	700.2	1.3	1.2	149.31	-0.5	-69.6	79.8	77.3	2.43	32.760		
800.0	799.1	800.9	800.9	1.5	1.4	158.56	-2.9	-68.6	85.3	82.6	2.79	30.550		
900.0	898.6	901.7	901.5	1.7	1.6	164.22	-7.0	-66.9	91.6	88.4	3.16	29.010		
1,000.0	998.0	1,002.0	1,001.7	1.9	1.7	167.37	-12.5	-64.5	98.5	95.0	3.52	27.945		
1,100.0	1,097.3	1,101.6	1,101.1	2.2	1.9	169.28	-18.4	-62.1	107.0	103.1	3.90	27.455		
1,200.0	1,196.3	1,201.1	1,200.3	2.5	2.1	170.52	-24.2	-59.6	117.2	113.0	4.27	27.442	SF	
1,300.0	1,295.1	1,300.3	1,299.4	2.8	2.3	171.32	-30.0	-57.2	129.3	124.6	4.65	27.792		
1,400.0	1,393.6	1,399.3	1,398.2	3.1	2.5	171.85	-35.8	-54.7	143.0	138.0	5.03	28.426		
1,500.0	1,491.8	1,498.0	1,496.7	3.5	2.7	172.22	-41.5	-52.3	158.6	153.2	5.42	29.284		
1,600.0	1,589.7	1,596.5	1,595.0	3.8	2.9	172.49	-47.3	-49.9	175.9	170.1	5.80	30.321		
1,700.0	1,687.2	1,694.6	1,692.9	4.2	3.1	172.70	-53.0	-47.5	195.0	188.8	6.19	31.505		
1,735.7	1,721.9	1,729.5	1,727.7	4.4	3.2	172.76	-55.1	-46.6	202.2	195.9	6.33	31.956		
1,800.0	1,784.4	1,792.5	1,790.5	4.7	3.3	172.31	-58.8	-45.0	215.4	208.9	6.58	32.752		
1,900.0	1,881.6	1,890.3	1,888.2	5.1	3.5	171.70	-64.5	-42.6	236.0	229.1	6.97	33.873		
2,000.0	1,978.8	1,988.1	1,985.8	5.5	3.7	171.18	-70.2	-40.2	256.6	249.3	7.36	34.872		
2,100.0	2,075.9	2,086.0	2,083.4	6.0	3.9	170.75	-75.9	-37.8	277.3	269.5	7.75	35.768		
2,200.0	2,173.1	2,183.8	2,181.1	6.4	4.1	170.37	-81.6	-35.4	297.9	289.7	8.14	36.576		
2,300.0	2,270.3	2,281.6	2,278.7	6.8	4.3	170.05	-87.3	-33.0	318.5	310.0	8.54	37.307		
2,400.0	2,367.5	2,379.4	2,376.3	7.3	4.5	169.76	-93.1	-30.6	339.2	330.3	8.93	37.972		
2,500.0	2,464.7	2,477.3	2,474.0	7.7	4.7	169.50	-98.8	-28.2	359.9	350.5	9.33	38.579		
2,600.0	2,561.9	2,575.1	2,571.6	8.2	4.9	169.28	-104.5	-25.8	380.5	370.8	9.72	39.135		
2,700.0	2,659.1	2,672.9	2,669.2	8.6	5.1	169.07	-110.2	-23.4	401.2	391.1	10.12	39.647		
2,800.0	2,756.2	2,770.8	2,766.9	9.1	5.3	168.89	-115.9	-20.9	421.9	411.4	10.52	40.119		
2,900.0	2,853.4	2,868.6	2,864.5	9.5	5.5	168.72	-121.7	-18.5	442.6	431.6	10.91	40.556		
3,000.0	2,950.6	2,966.4	2,962.1	10.0	5.7	168.57	-127.4	-16.1	463.2	451.9	11.31	40.962		
3,100.0	3,047.8	3,064.3	3,059.8	10.4	5.9	168.44	-133.1	-13.7	483.9	472.2	11.71	41.339		
3,200.0	3,145.0	3,162.1	3,157.4	10.9	6.1	168.31	-138.8	-11.3	504.6	492.5	12.10	41.691		
3,300.0	3,242.2	3,259.9	3,255.0	11.3	6.3	168.19	-144.5	-8.9	525.3	512.8	12.50	42.020		
3,400.0	3,339.4	3,357.7	3,352.7	11.8	6.5	168.08	-150.3	-6.5	546.0	533.1	12.90	42.328		
3,500.0	3,436.5	3,455.6	3,450.3	12.2	6.7	167.98	-156.0	-4.1	566.7	553.4	13.30	42.617		
3,600.0	3,533.7	3,553.4	3,547.9	12.7	6.9	167.89	-161.7	-1.7	587.4	573.7	13.70	42.889		
3,700.0	3,630.9	3,651.2	3,645.6	13.1	7.1	167.80	-167.4	0.7	608.1	594.0	14.09	43.146		
3,800.0	3,728.1	3,749.1	3,743.2	13.6	7.3	167.72	-173.1	3.2	628.8	614.3	14.49	43.388		
3,900.0	3,825.3	3,846.9	3,840.8	14.0	7.5	167.65	-178.9	5.6	649.5	634.6	14.89	43.616		
4,000.0	3,922.5	3,944.7	3,938.5	14.5	7.7	167.57	-184.6	8.0	670.2	654.9	15.29	43.832		
4,100.0	4,019.6	4,042.6	4,036.1	14.9	7.9	167.51	-190.3	10.4	690.9	675.2	15.69	44.038		
4,200.0	4,116.8	4,140.4	4,133.7	15.4	8.1	167.44	-196.0	12.8	711.6	695.5	16.09	44.232		
4,300.0	4,214.0	4,238.2	4,231.4	15.8	8.3	167.38	-201.7	15.2	732.3	715.8	16.49	44.417		
4,400.0	4,311.2	4,336.0	4,329.0	16.3	8.5	167.33	-207.4	17.6	753.0	736.2	16.89	44.594		
4,500.0	4,408.4	4,433.9	4,426.6	16.7	8.7	167.27	-213.2	20.0	773.7	756.5	17.29	44.761		
4,600.0	4,505.6	4,531.7	4,524.3	17.2	8.9	167.22	-218.9	22.4	794.5	776.8	17.69	44.921		
4,700.0	4,602.8	4,629.5	4,621.9	17.7	9.1	167.18	-224.6	24.9	815.2	797.1	18.08	45.074		
4,800.0	4,699.9	4,727.4	4,719.5	18.1	9.3	167.13	-230.3	27.3	835.9	817.4	18.48	45.220		
4,900.0	4,797.1	4,825.2	4,817.2	18.6	9.5	167.09	-236.0	29.7	856.6	837.7	18.88	45.360		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
5,000.0	4,894.3	4,923.0	4,914.8	19.0	9.7	167.05	-241.8	32.1	877.3	858.0	19.28	45.494			
5,100.0	4,991.5	5,020.9	5,012.4	19.5	9.9	167.01	-247.5	34.5	898.0	878.3	19.68	45.623			
5,200.0	5,088.7	5,118.7	5,110.1	19.9	10.1	166.97	-253.2	36.9	918.7	898.6	20.08	45.746			
5,300.0	5,185.9	5,216.5	5,207.7	20.4	10.3	166.93	-258.9	39.3	939.4	918.9	20.48	45.864			
5,400.0	5,283.0	5,314.3	5,305.3	20.8	10.5	166.90	-264.6	41.7	960.1	939.3	20.88	45.978			
5,500.0	5,380.2	5,412.2	5,403.0	21.3	10.8	166.87	-270.4	44.1	980.8	959.6	21.28	46.087			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4P-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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	-89.62	0.4	-59.9	59.9					
100.0	100.0	100.0	100.0	0.1	0.1	-89.62	0.4	-59.9	59.9	59.6	0.30	201.801		
200.0	200.0	200.0	200.0	0.3	0.3	-89.62	0.4	-59.9	59.9	59.2	0.65	92.720		
250.0	250.0	250.0	250.0	0.4	0.4	-89.62	0.4	-59.9	59.9	59.1	0.82	72.992 CC		
300.0	300.0	300.0	300.0	0.5	0.5	90.79	0.4	-59.9	59.9	58.9	1.00	60.177		
400.0	399.9	399.9	399.9	0.7	0.7	94.12	0.4	-59.9	60.0	58.7	1.35	44.396 ES		
500.0	499.8	499.8	499.8	0.9	0.8	117.44	0.4	-59.9	61.5	59.8	1.71	35.882		
600.0	599.6	600.1	600.1	1.1	1.0	136.97	0.2	-59.7	64.9	62.8	2.07	31.269		
700.0	699.4	700.9	700.9	1.3	1.2	151.03	-1.1	-58.6	68.9	66.5	2.43	28.320		
800.0	799.1	801.9	801.8	1.5	1.4	160.41	-3.8	-56.2	73.2	70.4	2.79	26.239		
900.0	898.6	902.9	902.7	1.7	1.6	166.30	-7.8	-52.7	77.7	74.6	3.15	24.677		
1,000.0	998.0	1,003.9	1,003.4	1.9	1.8	169.64	-13.1	-48.0	82.4	78.9	3.51	23.456		
1,100.0	1,097.3	1,103.7	1,102.9	2.2	2.0	171.46	-18.9	-42.8	88.2	84.3	3.88	22.712		
1,200.0	1,196.3	1,203.4	1,202.3	2.5	2.2	172.50	-24.8	-37.7	95.7	91.4	4.25	22.486 SF		
1,300.0	1,295.1	1,302.9	1,301.5	2.8	2.4	173.06	-30.6	-32.5	104.9	100.3	4.63	22.657		
1,400.0	1,393.6	1,402.3	1,400.6	3.1	2.6	173.33	-36.4	-27.4	116.0	111.0	5.01	23.137		
1,500.0	1,491.8	1,501.4	1,499.4	3.5	2.8	173.44	-42.3	-22.2	128.8	123.4	5.40	23.863		
1,600.0	1,589.7	1,600.3	1,598.0	3.8	3.0	173.48	-48.1	-17.1	143.4	137.6	5.79	24.785		
1,700.0	1,687.2	1,698.9	1,696.3	4.2	3.2	173.48	-53.8	-12.0	159.8	153.6	6.18	25.867		
1,735.7	1,721.9	1,734.0	1,731.3	4.4	3.3	173.48	-55.9	-10.2	166.0	159.7	6.32	26.285		
1,800.0	1,784.4	1,797.3	1,794.4	4.7	3.4	172.92	-59.6	-6.9	177.5	170.9	6.57	27.024		
1,900.0	1,881.6	1,895.6	1,892.4	5.1	3.7	172.17	-65.4	-1.8	195.4	188.4	6.96	28.064		
2,000.0	1,978.8	1,994.0	1,990.5	5.5	3.9	171.55	-71.2	3.3	213.3	206.0	7.36	28.991		
2,100.0	2,075.9	2,092.4	2,088.5	6.0	4.1	171.03	-76.9	8.4	231.3	223.5	7.76	29.822		
2,200.0	2,173.1	2,190.7	2,186.6	6.4	4.3	170.58	-82.7	13.5	249.3	241.1	8.15	30.570		
2,300.0	2,270.3	2,289.1	2,284.6	6.8	4.5	170.19	-88.5	18.6	267.2	258.7	8.55	31.248		
2,400.0	2,367.5	2,387.4	2,382.7	7.3	4.7	169.85	-94.2	23.7	285.2	276.3	8.95	31.863		
2,500.0	2,464.7	2,485.8	2,480.8	7.7	4.9	169.55	-100.0	28.8	303.2	293.9	9.35	32.425		
2,600.0	2,561.9	2,584.1	2,578.8	8.2	5.2	169.29	-105.8	33.9	321.2	311.5	9.75	32.939		
2,700.0	2,659.1	2,682.5	2,676.9	8.6	5.4	169.05	-111.5	39.0	339.2	329.1	10.15	33.412		
2,800.0	2,756.2	2,780.8	2,774.9	9.1	5.6	168.84	-117.3	44.0	357.2	346.7	10.55	33.848		
2,900.0	2,853.4	2,879.2	2,873.0	9.5	5.8	168.64	-123.1	49.1	375.3	364.3	10.96	34.251		
3,000.0	2,950.6	2,977.6	2,971.0	10.0	6.0	168.47	-128.9	54.2	393.3	381.9	11.36	34.625		
3,100.0	3,047.8	3,075.9	3,069.1	10.4	6.2	168.31	-134.6	59.3	411.3	399.5	11.76	34.973		
3,200.0	3,145.0	3,174.3	3,167.1	10.9	6.4	168.16	-140.4	64.4	429.3	417.2	12.16	35.297		
3,300.0	3,242.2	3,272.6	3,265.2	11.3	6.7	168.03	-146.2	69.5	447.4	434.8	12.57	35.600		
3,400.0	3,339.4	3,371.0	3,363.2	11.8	6.9	167.90	-151.9	74.6	465.4	452.4	12.97	35.883		
3,500.0	3,436.5	3,469.3	3,461.3	12.2	7.1	167.79	-157.7	79.7	483.4	470.1	13.37	36.149		
3,600.0	3,533.7	3,567.7	3,559.4	12.7	7.3	167.68	-163.5	84.8	501.5	487.7	13.78	36.399		
3,700.0	3,630.9	3,666.0	3,657.4	13.1	7.5	167.58	-169.2	89.9	519.5	505.3	14.18	36.635		
3,800.0	3,728.1	3,764.4	3,755.5	13.6	7.8	167.49	-175.0	95.0	537.5	523.0	14.58	36.857		
3,900.0	3,825.3	3,862.8	3,853.5	14.0	8.0	167.40	-180.8	100.1	555.6	540.6	14.99	37.067		
4,000.0	3,922.5	3,961.1	3,951.6	14.5	8.2	167.32	-186.6	105.2	573.6	558.2	15.39	37.265		
4,100.0	4,019.6	4,059.5	4,049.6	14.9	8.4	167.24	-192.3	110.3	591.7	575.9	15.80	37.454		
4,200.0	4,116.8	4,157.8	4,147.7	15.4	8.6	167.17	-198.1	115.4	609.7	593.5	16.20	37.632		
4,300.0	4,214.0	4,256.2	4,245.7	15.8	8.8	167.11	-203.9	120.5	627.7	611.1	16.61	37.802		
4,400.0	4,311.2	4,354.5	4,343.8	16.3	9.1	167.04	-209.6	125.5	645.8	628.8	17.01	37.963		
4,500.0	4,408.4	4,452.9	4,441.8	16.7	9.3	166.98	-215.4	130.6	663.8	646.4	17.42	38.117		
4,600.0	4,505.6	4,551.3	4,539.9	17.2	9.5	166.92	-221.2	135.7	681.9	664.1	17.82	38.264		
4,700.0	4,602.8	4,649.6	4,638.0	17.7	9.7	166.87	-226.9	140.8	699.9	681.7	18.23	38.404		
4,800.0	4,699.9	4,748.0	4,736.0	18.1	9.9	166.82	-232.7	145.9	718.0	699.4	18.63	38.538		
4,900.0	4,797.1	4,846.3	4,834.1	18.6	10.1	166.77	-238.5	151.0	736.0	717.0	19.04	38.666		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4P-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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		
5,000.0	4,894.3	4,944.7	4,932.1	19.0	10.4	166.72	-244.3	156.1	754.1	734.6	19.44	38.788		
5,100.0	4,991.5	5,043.0	5,030.2	19.5	10.6	166.68	-250.0	161.2	772.1	752.3	19.85	38.906		
5,200.0	5,088.7	5,141.4	5,128.2	19.9	10.8	166.64	-255.8	166.3	790.2	769.9	20.25	39.018		
5,300.0	5,185.9	5,239.7	5,226.3	20.4	11.0	166.60	-261.6	171.4	808.2	787.6	20.66	39.126		
5,400.0	5,283.0	5,338.1	5,324.3	20.8	11.2	166.56	-267.3	176.5	826.3	805.2	21.06	39.230		
5,500.0	5,380.2	5,436.5	5,422.4	21.3	11.4	166.52	-273.1	181.6	844.3	822.9	21.47	39.330		
5,600.0	5,477.4	5,534.8	5,520.4	21.8	11.7	166.48	-278.9	186.7	862.4	840.5	21.87	39.426		
5,700.0	5,574.6	5,633.2	5,618.5	22.2	11.9	166.45	-284.6	191.8	880.4	858.2	22.28	39.519		
5,800.0	5,671.8	5,731.5	5,716.5	22.7	12.1	166.42	-290.4	196.9	898.5	875.8	22.68	39.608		
5,900.0	5,769.0	5,829.9	5,814.6	23.1	12.3	166.39	-296.2	202.0	916.5	893.4	23.09	39.694		
6,000.0	5,866.2	5,928.2	5,912.7	23.6	12.5	166.36	-302.0	207.0	934.6	911.1	23.50	39.777		
6,100.0	5,963.3	6,026.6	6,010.7	24.0	12.8	166.33	-307.7	212.1	952.6	928.7	23.90	39.857		
6,200.0	6,060.5	6,124.9	6,108.8	24.5	13.0	166.30	-313.5	217.2	970.7	946.4	24.31	39.935		
6,300.0	6,157.7	6,223.3	6,206.8	24.9	13.2	166.27	-319.3	222.3	988.7	964.0	24.71	40.009		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4Q-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.57	0.4	-50.1	50.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.57	0.4	-50.1	50.1	49.8	0.30	168.798		
200.0	200.0	200.0	200.0	0.3	0.3	-89.57	0.4	-50.1	50.1	49.4	0.65	77.556		
250.0	250.0	250.0	250.0	0.4	0.4	-89.57	0.4	-50.1	50.1	49.3	0.82	61.054 CC		
300.0	300.0	300.0	300.0	0.5	0.5	90.93	0.4	-50.1	50.1	49.1	1.00	50.337		
400.0	399.9	399.9	399.9	0.7	0.7	94.90	0.4	-50.1	50.3	48.9	1.35	37.176 ES		
500.0	499.8	499.8	499.8	0.9	0.8	119.10	0.4	-50.1	51.8	50.1	1.71	30.255		
600.0	599.6	600.5	600.5	1.1	1.0	139.07	-0.1	-49.4	54.7	52.7	2.07	26.387		
700.0	699.4	701.4	701.3	1.3	1.2	153.56	-1.6	-47.2	57.9	55.4	2.43	23.805		
800.0	799.1	802.3	802.2	1.5	1.4	163.49	-4.1	-43.5	61.1	58.3	2.78	21.929		
900.0	898.6	903.3	903.0	1.7	1.6	170.01	-7.6	-38.4	64.2	61.1	3.14	20.471		
1,000.0	998.0	1,004.4	1,003.8	1.9	1.8	174.03	-12.2	-31.8	67.3	63.8	3.49	19.280		
1,100.0	1,097.3	1,105.5	1,104.4	2.2	2.0	176.15	-17.7	-23.7	70.3	66.5	3.85	18.276		
1,200.0	1,196.3	1,205.4	1,203.7	2.5	2.2	177.04	-23.6	-15.1	74.2	70.0	4.21	17.635		
1,300.0	1,295.1	1,305.2	1,303.0	2.8	2.5	177.24	-29.5	-6.5	79.9	75.3	4.58	17.453		
1,400.0	1,393.6	1,404.9	1,402.1	3.1	2.7	177.03	-35.4	2.2	87.4	82.4	4.95	17.633		
1,500.0	1,491.8	1,504.4	1,501.1	3.5	2.9	176.61	-41.3	10.8	96.6	91.3	5.34	18.100		
1,600.0	1,589.7	1,603.7	1,599.9	3.8	3.2	176.13	-47.2	19.4	107.6	101.9	5.72	18.799		
1,700.0	1,687.2	1,702.9	1,698.4	4.2	3.4	175.66	-53.1	27.9	120.4	114.3	6.12	19.687		
1,735.7	1,721.9	1,738.2	1,733.5	4.4	3.5	175.50	-55.2	31.0	125.4	119.2	6.26	20.041		
1,800.0	1,784.4	1,801.8	1,796.8	4.7	3.7	174.69	-59.0	36.5	134.7	128.2	6.51	20.672		
1,900.0	1,881.6	1,900.7	1,895.2	5.1	3.9	173.62	-64.8	45.0	149.1	142.2	6.91	21.561		
2,000.0	1,978.8	1,999.6	1,993.6	5.5	4.2	172.74	-70.7	53.6	163.5	156.2	7.32	22.352		
2,100.0	2,075.9	2,098.6	2,092.0	6.0	4.4	172.00	-76.6	62.1	178.0	170.3	7.72	23.060		
2,200.0	2,173.1	2,197.5	2,190.3	6.4	4.6	171.37	-82.4	70.7	192.5	184.4	8.12	23.697		
2,300.0	2,270.3	2,296.4	2,288.7	6.8	4.9	170.83	-88.3	79.2	207.0	198.5	8.53	24.272		
2,400.0	2,367.5	2,395.3	2,387.1	7.3	5.1	170.36	-94.2	87.8	221.6	212.7	8.94	24.794		
2,500.0	2,464.7	2,494.3	2,485.5	7.7	5.4	169.95	-100.0	96.3	236.1	226.8	9.35	25.269		
2,600.0	2,561.9	2,593.2	2,583.9	8.2	5.6	169.59	-105.9	104.9	250.7	241.0	9.75	25.704		
2,700.0	2,659.1	2,692.1	2,682.2	8.6	5.9	169.27	-111.8	113.4	265.3	255.1	10.16	26.102		
2,800.0	2,756.2	2,791.0	2,780.6	9.1	6.1	168.98	-117.6	122.0	279.9	269.3	10.57	26.469		
2,900.0	2,853.4	2,889.9	2,879.0	9.5	6.4	168.72	-123.5	130.5	294.5	283.5	10.98	26.808		
3,000.0	2,950.6	2,988.9	2,977.4	10.0	6.6	168.48	-129.3	139.1	309.0	297.6	11.39	27.122		
3,100.0	3,047.8	3,087.8	3,075.7	10.4	6.9	168.27	-135.2	147.6	323.6	311.8	11.81	27.413		
3,200.0	3,145.0	3,186.7	3,174.1	10.9	7.1	168.07	-141.1	156.2	338.2	326.0	12.22	27.684		
3,300.0	3,242.2	3,285.6	3,272.5	11.3	7.4	167.89	-146.9	164.7	352.8	340.2	12.63	27.937		
3,400.0	3,339.4	3,384.6	3,370.9	11.8	7.6	167.72	-152.8	173.3	367.5	354.4	13.04	28.174		
3,500.0	3,436.5	3,483.5	3,469.2	12.2	7.9	167.57	-158.7	181.9	382.1	368.6	13.46	28.395		
3,600.0	3,533.7	3,582.4	3,567.6	12.7	8.1	167.43	-164.5	190.4	396.7	382.8	13.87	28.603		
3,700.0	3,630.9	3,681.3	3,666.0	13.1	8.4	167.30	-170.4	199.0	411.3	397.0	14.28	28.799		
3,800.0	3,728.1	3,780.2	3,764.4	13.6	8.6	167.17	-176.3	207.5	425.9	411.2	14.70	28.983		
3,900.0	3,825.3	3,879.2	3,862.8	14.0	8.9	167.06	-182.1	216.1	440.5	425.4	15.11	29.157		
4,000.0	3,922.5	3,978.1	3,961.1	14.5	9.1	166.95	-188.0	224.6	455.1	439.6	15.52	29.322		
4,100.0	4,019.6	4,077.0	4,059.5	14.9	9.4	166.85	-193.9	233.2	469.8	453.8	15.94	29.477		
4,200.0	4,116.8	4,175.9	4,157.9	15.4	9.6	166.76	-199.7	241.7	484.4	468.0	16.35	29.625		
4,300.0	4,214.0	4,274.8	4,256.3	15.8	9.9	166.67	-205.6	250.3	499.0	482.3	16.77	29.765		
4,400.0	4,311.2	4,373.8	4,354.6	16.3	10.1	166.59	-211.4	258.8	513.6	496.5	17.18	29.898		
4,500.0	4,408.4	4,472.7	4,453.0	16.7	10.4	166.51	-217.3	267.4	528.3	510.7	17.59	30.025		
4,600.0	4,505.6	4,571.6	4,551.4	17.2	10.6	166.43	-223.2	275.9	542.9	524.9	18.01	30.146		
4,700.0	4,602.8	4,670.5	4,649.8	17.7	10.9	166.36	-229.0	284.5	557.5	539.1	18.42	30.261		
4,800.0	4,699.9	4,769.5	4,748.1	18.1	11.1	166.29	-234.9	293.0	572.2	553.3	18.84	30.371		
4,900.0	4,797.1	4,868.4	4,846.5	18.6	11.4	166.23	-240.8	301.6	586.8	567.5	19.25	30.476		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4Q-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: O-Geolink MWD														
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	
5,000.0	4,894.3	4,967.3	4,944.9	19.0	11.6	166.17	-246.6	310.1	601.4	581.8	19.67	30.577		
5,100.0	4,991.5	5,066.2	5,043.3	19.5	11.9	166.11	-252.5	318.7	616.1	596.0	20.08	30.673		
5,200.0	5,088.7	5,165.1	5,141.7	19.9	12.1	166.05	-258.4	327.2	630.7	610.2	20.50	30.765		
5,300.0	5,185.9	5,264.1	5,240.0	20.4	12.4	166.00	-264.2	335.8	645.3	624.4	20.92	30.854		
5,400.0	5,283.0	5,363.0	5,338.4	20.8	12.6	165.95	-270.1	344.3	659.9	638.6	21.33	30.939		
5,500.0	5,380.2	5,461.9	5,436.8	21.3	12.9	165.90	-276.0	352.9	674.6	652.8	21.75	31.021		
5,600.0	5,477.4	5,560.8	5,535.2	21.8	13.1	165.86	-281.8	361.4	689.2	667.1	22.16	31.099		
5,700.0	5,574.6	5,659.8	5,633.5	22.2	13.4	165.81	-287.7	370.0	703.9	681.3	22.58	31.175		
5,800.0	5,671.8	5,758.7	5,731.9	22.7	13.6	165.77	-293.5	378.5	718.5	695.5	22.99	31.248		
5,900.0	5,769.0	5,857.6	5,830.3	23.1	13.9	165.73	-299.4	387.1	733.1	709.7	23.41	31.318		
6,000.0	5,866.2	5,956.5	5,928.7	23.6	14.1	165.69	-305.3	395.6	747.8	723.9	23.82	31.386		
6,100.0	5,963.3	6,055.4	6,027.0	24.0	14.4	165.65	-311.1	404.2	762.4	738.2	24.24	31.451		
6,200.0	6,060.5	6,154.4	6,125.4	24.5	14.6	165.62	-317.0	412.7	777.0	752.4	24.66	31.514		
6,300.0	6,157.7	6,253.3	6,223.8	24.9	14.9	165.58	-322.9	421.3	791.7	766.6	25.07	31.575		
6,400.0	6,254.9	6,352.2	6,322.2	25.4	15.1	165.55	-328.7	429.8	806.3	780.8	25.49	31.634		
6,500.0	6,352.1	6,451.1	6,420.6	25.9	15.4	165.52	-334.6	438.4	820.9	795.0	25.90	31.691		
6,600.0	6,449.3	6,550.1	6,518.9	26.3	15.6	165.48	-340.5	447.0	835.6	809.3	26.32	31.746		
6,700.0	6,546.4	6,649.0	6,617.3	26.8	15.9	165.45	-346.3	455.5	850.2	823.5	26.74	31.800		
6,800.0	6,643.6	6,747.9	6,715.7	27.2	16.1	165.42	-352.2	464.1	864.9	837.7	27.15	31.851		
6,900.0	6,740.8	6,852.4	6,819.7	27.7	16.3	165.65	-354.4	473.1	879.3	851.8	27.46	32.018		
6,930.8	6,770.8	6,884.9	6,852.0	27.8	16.4	165.91	-352.2	476.0	883.6	856.1	27.47	32.159		
6,950.0	6,789.4	6,905.0	6,871.9	27.9	16.4	172.64	-350.1	477.7	886.2	858.7	27.47	32.265		
7,000.0	6,838.0	6,957.1	6,923.1	28.1	16.4	-169.67	-342.0	482.3	893.2	865.8	27.40	32.603		
7,050.0	6,886.5	7,008.6	6,973.1	28.3	16.5	-153.80	-330.4	486.8	900.1	872.8	27.28	33.000		
7,100.0	6,934.6	7,059.6	7,021.6	28.5	16.5	-141.05	-315.4	491.1	907.0	879.9	27.12	33.443		
7,150.0	6,982.0	7,110.1	7,068.5	28.7	16.5	-131.26	-297.1	495.4	913.8	886.9	26.94	33.917		
7,200.0	7,028.5	7,160.1	7,113.5	28.8	16.5	-123.77	-275.8	499.5	920.6	893.8	26.76	34.406		
7,250.0	7,074.0	7,209.6	7,156.6	29.0	16.5	-117.94	-251.6	503.5	927.1	900.6	26.57	34.893		
7,300.0	7,118.1	7,258.7	7,197.5	29.1	16.4	-113.29	-224.7	507.3	933.6	907.2	26.40	35.359		
7,350.0	7,160.7	7,307.4	7,236.2	29.3	16.4	-109.49	-195.4	510.9	939.8	913.5	26.26	35.784		
7,400.0	7,201.5	7,355.7	7,272.5	29.4	16.4	-106.34	-163.7	514.4	945.8	919.6	26.16	36.148		
7,450.0	7,240.4	7,403.6	7,306.3	29.5	16.4	-103.67	-130.0	517.6	951.5	925.3	26.12	36.433		
7,500.0	7,277.2	7,451.2	7,337.6	29.6	16.5	-101.39	-94.3	520.7	956.8	930.7	26.13	36.623		
7,550.0	7,311.7	7,498.4	7,366.2	29.8	16.5	-99.43	-56.9	523.5	961.9	935.7	26.21	36.704		
7,600.0	7,343.7	7,545.2	7,392.2	29.9	16.6	-97.72	-18.0	526.1	966.6	940.2	26.36	36.665		
7,650.0	7,373.0	7,591.8	7,415.4	30.0	16.7	-96.24	22.3	528.5	970.9	944.3	26.59	36.508		
7,700.0	7,399.6	7,638.1	7,435.9	30.2	16.8	-94.94	63.7	530.7	974.8	947.9	26.91	36.229		
7,750.0	7,423.3	7,684.1	7,453.5	30.3	17.0	-93.82	106.2	532.6	978.3	951.0	27.30	35.839		
7,800.0	7,444.0	7,729.8	7,468.3	30.5	17.2	-92.86	149.4	534.2	981.3	953.5	27.76	35.346		
7,850.0	7,461.5	7,775.3	7,480.3	30.7	17.4	-92.04	193.2	535.7	983.8	955.5	28.30	34.764		
7,900.0	7,475.8	7,820.6	7,489.4	30.9	17.7	-91.36	237.6	536.9	985.9	957.0	28.90	34.108		
7,950.0	7,486.9	7,865.6	7,495.7	31.1	18.0	-90.81	282.1	537.8	987.5	957.9	29.57	33.394		
8,000.0	7,494.6	7,910.5	7,499.2	31.3	18.3	-90.38	326.8	538.5	988.5	958.2	30.29	32.636		
8,050.0	7,499.0	7,956.4	7,500.0	31.5	18.6	-90.07	372.8	539.0	989.0	957.9	31.09	31.808		
8,089.2	7,500.0	7,995.6	7,500.0	31.7	18.9	-90.00	412.0	539.3	988.9	957.1	31.85	31.052		
8,100.0	7,500.0	8,006.4	7,500.0	31.7	19.0	-90.00	422.8	539.4	988.8	956.8	32.07	30.837		
8,200.0	7,500.0	8,106.4	7,500.0	32.3	19.9	-90.00	522.8	540.3	987.9	953.7	34.20	28.883		
8,300.0	7,500.0	8,206.4	7,500.0	32.9	21.0	-90.00	622.8	541.2	987.1	950.5	36.56	27.002		
8,400.0	7,500.0	8,306.4	7,500.0	33.6	22.1	-90.00	722.8	542.0	986.2	947.1	39.08	25.235		
8,500.0	7,500.0	8,406.4	7,500.0	34.3	23.3	-90.00	822.8	542.9	985.3	943.6	41.75	23.602		
8,600.0	7,500.0	8,506.4	7,500.0	35.2	24.5	-90.00	922.8	543.8	984.5	939.9	44.53	22.107		
8,700.0	7,500.0	8,606.4	7,500.0	36.1	25.8	-90.00	1,022.7	544.6	983.6	936.2	47.41	20.746		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
Survey Program: 0-Geolink 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)					
8,800.0	7,500.0	8,706.4	7,500.0	37.0	27.2	-90.00	1,122.7	545.5	982.7	932.3	50.37	19.510			
8,900.0	7,500.0	8,806.4	7,500.0	38.0	28.6	-90.00	1,222.7	546.4	981.8	928.4	53.40	18.388			
9,000.0	7,500.0	8,906.4	7,500.0	39.1	30.0	-90.00	1,322.7	547.3	981.0	924.5	56.48	17.369			
9,100.0	7,500.0	9,006.4	7,500.0	40.2	31.5	-90.00	1,422.7	548.1	980.1	920.5	59.61	16.442			
9,200.0	7,500.0	9,106.4	7,500.0	41.4	33.0	-90.00	1,522.7	549.0	979.2	916.4	62.78	15.598			
9,300.0	7,500.0	9,206.4	7,500.0	42.6	34.5	-90.00	1,622.7	549.9	978.3	912.4	65.98	14.828			
9,400.0	7,500.0	9,306.4	7,500.0	43.8	36.1	-90.00	1,722.7	550.8	977.5	908.3	69.21	14.123			
9,500.0	7,500.0	9,406.4	7,500.0	45.1	37.6	-90.00	1,822.7	551.6	976.6	904.1	72.47	13.475			
9,600.0	7,500.0	9,506.4	7,500.0	46.4	39.2	-90.00	1,922.7	552.5	975.7	900.0	75.75	12.880			
9,700.0	7,500.0	9,606.4	7,500.0	47.8	40.8	-90.00	2,022.7	553.4	974.9	895.8	79.05	12.332			
9,800.0	7,500.0	9,706.4	7,500.0	49.1	42.4	-90.00	2,122.7	554.2	974.0	891.6	82.37	11.824			
9,900.0	7,500.0	9,800.0	7,500.0	50.5	43.9	-90.00	2,216.3	555.0	973.1	887.8	85.37	11.399			
9,936.2	7,500.0	9,834.1	7,500.0	51.0	44.5	-90.00	2,250.4	555.1	973.0	886.6	86.47	11.252			
10,000.0	7,500.0	9,889.6	7,500.0	51.9	45.4	-90.00	2,305.9	554.9	973.3	885.2	88.17	11.039			
10,100.0	7,500.0	9,989.6	7,500.0	53.4	47.0	-90.00	2,405.8	554.0	974.2	882.7	91.52	10.644			
10,200.0	7,500.0	10,089.6	7,500.0	54.8	48.7	-90.00	2,505.8	553.2	975.1	880.2	94.89	10.276			
10,300.0	7,500.0	10,189.5	7,500.0	56.3	50.3	-90.00	2,605.8	552.3	975.9	877.6	98.27	9.931			
10,400.0	7,500.0	10,289.5	7,500.0	57.8	52.0	-90.00	2,705.8	551.5	976.8	875.1	101.65	9.609			
10,500.0	7,500.0	10,389.5	7,500.0	59.3	53.6	-90.00	2,805.8	550.6	977.6	872.6	105.04	9.307			
10,600.0	7,500.0	10,489.5	7,500.0	60.8	55.3	-90.00	2,905.8	549.8	978.5	870.0	108.44	9.023			
10,700.0	7,500.0	10,589.5	7,500.0	62.3	57.0	-90.00	3,005.8	548.9	979.3	867.5	111.85	8.756			
10,800.0	7,500.0	10,689.5	7,500.0	63.9	58.6	-90.00	3,105.8	548.0	980.2	864.9	115.26	8.504			
10,900.0	7,500.0	10,789.5	7,500.0	65.4	60.3	-90.00	3,205.8	547.2	981.0	862.3	118.68	8.266			
11,000.0	7,500.0	10,889.5	7,500.0	67.0	62.0	-90.00	3,305.8	546.3	981.9	859.8	122.10	8.041			
11,100.0	7,500.0	10,989.5	7,500.0	68.6	63.7	-90.00	3,405.8	545.5	982.7	857.2	125.53	7.829			
11,200.0	7,500.0	11,089.5	7,500.0	70.1	65.4	-90.00	3,505.8	544.6	983.6	854.6	128.96	7.627			
11,300.0	7,500.0	11,189.5	7,500.0	71.7	67.1	-90.00	3,605.8	543.8	984.4	852.0	132.40	7.435			
11,400.0	7,500.0	11,289.5	7,500.0	73.3	68.8	-90.00	3,705.8	542.9	985.3	849.5	135.84	7.253			
11,500.0	7,500.0	11,389.5	7,500.0	74.9	70.5	-90.00	3,805.7	542.1	986.1	846.9	139.28	7.080			
11,600.0	7,500.0	11,489.5	7,500.0	76.5	72.2	-90.00	3,905.7	541.2	987.0	844.3	142.73	6.915			
11,700.0	7,500.0	11,589.5	7,500.0	78.1	73.9	-90.00	4,005.7	540.4	987.9	841.7	146.18	6.758			
11,800.0	7,500.0	11,689.5	7,500.0	79.8	75.6	-90.00	4,105.7	539.5	988.7	839.1	149.63	6.608			
11,900.0	7,500.0	11,789.5	7,500.0	81.4	77.3	-90.00	4,205.7	538.7	989.6	836.5	153.09	6.464			
11,939.2	7,500.0	11,828.7	7,500.0	82.0	78.0	-90.00	4,244.9	538.3	989.9	835.5	154.44	6.410 SF			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4R-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink 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 Tooface (°)	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	-89.50	0.4	-40.0	40.0					
100.0	100.0	100.0	100.0	0.1	0.1	-89.50	0.4	-40.0	40.0	39.7	0.30	134.851		
200.0	200.0	200.0	200.0	0.3	0.3	-89.50	0.4	-40.0	40.0	39.4	0.65	61.959		
250.0	250.0	250.0	250.0	0.4	0.4	-89.50	0.4	-40.0	40.0	39.2	0.82	48.776 CC		
300.0	300.0	300.0	300.0	0.5	0.5	91.13	0.4	-40.0	40.0	39.0	1.00	40.216		
400.0	399.9	399.9	399.9	0.7	0.7	96.09	0.4	-40.0	40.2	38.9	1.35	29.760 ES		
500.0	499.8	499.8	499.8	0.9	0.8	121.59	0.4	-40.0	42.0	40.3	1.71	24.506		
600.0	599.6	600.4	600.4	1.1	1.0	142.46	-0.1	-39.2	45.1	43.0	2.07	21.750		
700.0	699.4	701.1	701.1	1.3	1.2	157.56	-1.4	-36.9	48.3	45.9	2.43	19.928		
800.0	799.1	801.9	801.8	1.5	1.4	167.94	-3.6	-33.1	51.6	48.8	2.78	18.591		
900.0	898.6	902.8	902.5	1.7	1.6	174.84	-6.6	-27.7	54.7	51.6	3.12	17.522		
1,000.0	998.0	1,003.7	1,003.1	1.9	1.8	179.19	-10.6	-20.8	57.7	54.2	3.47	16.617		
1,100.0	1,097.3	1,104.7	1,103.6	2.2	2.0	-178.39	-15.4	-12.3	60.4	56.6	3.82	15.826		
1,200.0	1,196.3	1,205.6	1,203.8	2.5	2.3	-177.46	-21.1	-2.3	63.1	58.9	4.17	15.125		
1,300.0	1,295.1	1,305.5	1,303.0	2.8	2.5	-177.54	-27.1	8.2	66.7	62.2	4.53	14.733		
1,400.0	1,393.6	1,405.3	1,402.1	3.1	2.7	-178.23	-33.0	18.7	72.1	67.2	4.90	14.734		
1,500.0	1,491.8	1,505.0	1,501.1	3.5	3.0	-179.23	-39.0	29.1	79.3	74.0	5.27	15.051		
1,600.0	1,589.7	1,604.6	1,599.9	3.8	3.3	179.68	-44.9	39.6	88.3	82.6	5.65	15.624		
1,700.0	1,687.2	1,703.9	1,698.5	4.2	3.5	178.63	-50.9	50.0	99.1	93.1	6.04	16.404		
1,735.7	1,721.9	1,739.3	1,733.6	4.4	3.6	178.29	-53.0	53.7	103.4	97.2	6.18	16.724		
1,800.0	1,784.4	1,803.1	1,797.0	4.7	3.8	177.16	-56.8	60.4	111.4	104.9	6.44	17.298		
1,900.0	1,881.6	1,902.3	1,895.4	5.1	4.0	175.69	-62.7	70.8	123.8	117.0	6.84	18.107		
2,000.0	1,978.8	2,001.5	1,993.9	5.5	4.3	174.49	-68.6	81.2	136.4	129.1	7.24	18.828		
2,100.0	2,075.9	2,100.6	2,092.3	6.0	4.6	173.50	-74.6	91.6	148.9	141.3	7.65	19.473		
2,200.0	2,173.1	2,199.8	2,190.8	6.4	4.8	172.65	-80.5	102.0	161.5	153.5	8.06	20.053		
2,300.0	2,270.3	2,299.0	2,289.2	6.8	5.1	171.94	-86.4	112.4	174.2	165.7	8.47	20.576		
2,400.0	2,367.5	2,398.2	2,387.7	7.3	5.4	171.31	-92.3	122.8	186.9	178.0	8.88	21.049		
2,500.0	2,464.7	2,497.3	2,486.1	7.7	5.6	170.77	-98.3	133.2	199.5	190.3	9.29	21.480		
2,600.0	2,561.9	2,596.5	2,584.6	8.2	5.9	170.29	-104.2	143.7	212.2	202.5	9.70	21.873		
2,700.0	2,659.1	2,695.7	2,683.0	8.6	6.2	169.87	-110.1	154.1	225.0	214.8	10.12	22.234		
2,800.0	2,756.2	2,794.9	2,781.5	9.1	6.4	169.49	-116.0	164.5	237.7	227.1	10.53	22.565		
2,900.0	2,853.4	2,894.0	2,879.9	9.5	6.7	169.15	-122.0	174.9	250.4	239.5	10.95	22.870		
3,000.0	2,950.6	2,993.2	2,978.3	10.0	7.0	168.84	-127.9	185.3	263.2	251.8	11.37	23.152		
3,100.0	3,047.8	3,092.4	3,076.8	10.4	7.2	168.57	-133.8	195.7	275.9	264.1	11.78	23.414		
3,200.0	3,145.0	3,191.6	3,175.2	10.9	7.5	168.31	-139.7	206.1	288.7	276.5	12.20	23.657		
3,300.0	3,242.2	3,290.7	3,273.7	11.3	7.8	168.08	-145.7	216.5	301.4	288.8	12.62	23.883		
3,400.0	3,339.4	3,389.9	3,372.1	11.8	8.1	167.87	-151.6	226.9	314.2	301.1	13.04	24.095		
3,500.0	3,436.5	3,489.1	3,470.6	12.2	8.3	167.67	-157.5	237.3	327.0	313.5	13.46	24.293		
3,600.0	3,533.7	3,588.3	3,569.0	12.7	8.6	167.49	-163.4	247.7	339.7	325.9	13.88	24.478		
3,700.0	3,630.9	3,687.4	3,667.5	13.1	8.9	167.32	-169.4	258.1	352.5	338.2	14.30	24.653		
3,800.0	3,728.1	3,786.6	3,765.9	13.6	9.1	167.16	-175.3	268.5	365.3	350.6	14.72	24.817		
3,900.0	3,825.3	3,885.8	3,864.4	14.0	9.4	167.01	-181.2	279.0	378.1	362.9	15.14	24.971		
4,000.0	3,922.5	3,985.0	3,962.8	14.5	9.7	166.88	-187.1	289.4	390.8	375.3	15.56	25.117		
4,100.0	4,019.6	4,084.1	4,061.3	14.9	9.9	166.75	-193.1	299.8	403.6	387.6	15.98	25.255		
4,200.0	4,116.8	4,183.3	4,159.7	15.4	10.2	166.63	-199.0	310.2	416.4	400.0	16.40	25.386		
4,300.0	4,214.0	4,282.5	4,258.2	15.8	10.5	166.51	-204.9	320.6	429.2	412.4	16.83	25.510		
4,400.0	4,311.2	4,381.7	4,356.6	16.3	10.8	166.41	-210.8	331.0	442.0	424.8	17.25	25.628		
4,500.0	4,408.4	4,480.8	4,455.1	16.7	11.0	166.31	-216.8	341.4	454.8	437.1	17.67	25.740		
4,600.0	4,505.6	4,580.0	4,553.5	17.2	11.3	166.21	-222.7	351.8	467.6	449.5	18.09	25.846		
4,700.0	4,602.8	4,679.2	4,652.0	17.7	11.6	166.12	-228.6	362.2	480.4	461.9	18.51	25.948		
4,800.0	4,699.9	4,778.4	4,750.4	18.1	11.8	166.04	-234.5	372.6	493.2	474.2	18.94	26.045		
4,900.0	4,797.1	4,877.5	4,848.9	18.6	12.1	165.96	-240.5	383.0	506.0	486.6	19.36	26.137		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4R-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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		
5,000.0	4,894.3	4,976.7	4,947.3	19.0	12.4	165.88	-246.4	393.4	518.8	499.0	19.78	26.226		
5,100.0	4,991.5	5,075.9	5,045.8	19.5	12.7	165.80	-252.3	403.8	531.6	511.4	20.20	26.311		
5,200.0	5,088.7	5,175.1	5,144.2	19.9	12.9	165.73	-258.2	414.3	544.4	523.7	20.63	26.392		
5,300.0	5,185.9	5,274.2	5,242.7	20.4	13.2	165.67	-264.2	424.7	557.2	536.1	21.05	26.470		
5,400.0	5,283.0	5,373.4	5,341.1	20.8	13.5	165.60	-270.1	435.1	570.0	548.5	21.47	26.544		
5,500.0	5,380.2	5,472.6	5,439.6	21.3	13.7	165.54	-276.0	445.5	582.8	560.9	21.90	26.616		
5,600.0	5,477.4	5,571.8	5,538.0	21.8	14.0	165.49	-281.9	455.9	595.6	573.2	22.32	26.685		
5,700.0	5,574.6	5,670.9	5,636.5	22.2	14.3	165.43	-287.8	466.3	608.4	585.6	22.74	26.751		
5,800.0	5,671.8	5,770.1	5,734.9	22.7	14.6	165.38	-293.8	476.7	621.2	598.0	23.17	26.815		
5,900.0	5,769.0	5,869.3	5,833.4	23.1	14.8	165.32	-299.7	487.1	634.0	610.4	23.59	26.876		
6,000.0	5,866.2	5,968.5	5,931.8	23.6	15.1	165.27	-305.6	497.5	646.8	622.8	24.01	26.935		
6,100.0	5,963.3	6,067.6	6,030.3	24.0	15.4	165.23	-311.5	507.9	659.6	635.1	24.44	26.992		
6,200.0	6,060.5	6,166.8	6,128.7	24.5	15.6	165.18	-317.5	518.3	672.4	647.5	24.86	27.048		
6,300.0	6,157.7	6,266.0	6,227.2	24.9	15.9	165.14	-323.4	528.7	685.2	659.9	25.28	27.101		
6,400.0	6,254.9	6,365.2	6,325.6	25.4	16.2	165.10	-329.3	539.1	698.0	672.3	25.71	27.152		
6,500.0	6,352.1	6,464.4	6,424.1	25.9	16.5	165.05	-335.2	549.6	710.8	684.7	26.13	27.202		
6,600.0	6,449.3	6,563.5	6,522.5	26.3	16.7	165.02	-341.2	560.0	723.6	697.1	26.55	27.250		
6,700.0	6,546.4	6,662.7	6,621.0	26.8	17.0	164.98	-347.1	570.4	736.4	709.4	26.98	27.296		
6,800.0	6,643.6	6,761.9	6,719.4	27.2	17.3	164.94	-353.0	580.8	749.2	721.8	27.40	27.342		
6,900.0	6,740.8	6,866.0	6,822.9	27.7	17.5	165.23	-355.0	591.7	761.8	734.1	27.68	27.517		
6,930.8	6,770.8	6,898.3	6,855.0	27.8	17.6	165.53	-352.7	595.1	765.5	737.8	27.68	27.655		
6,950.0	6,789.4	6,918.2	6,874.7	27.9	17.6	172.26	-350.5	597.2	767.8	740.2	27.65	27.764		
7,000.0	6,838.0	6,969.8	6,925.3	28.1	17.7	-170.04	-342.4	602.5	773.9	746.3	27.55	28.092		
7,050.0	6,886.5	7,020.9	6,974.7	28.3	17.7	-154.16	-330.7	607.8	780.0	752.6	27.40	28.470		
7,100.0	6,934.6	7,071.4	7,022.7	28.5	17.7	-141.40	-315.8	612.8	786.1	758.9	27.21	28.886		
7,150.0	6,982.0	7,121.4	7,069.0	28.7	17.7	-131.61	-297.7	617.7	792.2	765.2	27.01	29.327		
7,200.0	7,028.5	7,170.9	7,113.5	28.8	17.7	-124.11	-276.5	622.4	798.2	771.4	26.81	29.778		
7,250.0	7,074.0	7,220.0	7,156.1	29.0	17.7	-118.26	-252.6	626.9	804.2	777.6	26.61	30.223		
7,300.0	7,118.1	7,268.6	7,196.6	29.1	17.7	-113.60	-226.1	631.2	810.1	783.6	26.43	30.647		
7,350.0	7,160.7	7,316.8	7,234.9	29.3	17.7	-109.79	-197.1	635.3	815.8	789.5	26.29	31.033		
7,400.0	7,201.5	7,364.6	7,270.9	29.4	17.8	-106.62	-165.9	639.1	821.3	795.1	26.19	31.363		
7,450.0	7,240.4	7,412.0	7,304.5	29.5	17.8	-103.94	-132.6	642.6	826.7	800.5	26.14	31.625		
7,500.0	7,277.2	7,459.1	7,335.6	29.6	17.8	-101.65	-97.4	645.9	831.7	805.6	26.15	31.803		
7,550.0	7,311.7	7,505.9	7,364.1	29.8	17.9	-99.67	-60.5	648.9	836.6	810.3	26.23	31.890		
7,600.0	7,343.7	7,552.3	7,390.0	29.9	17.9	-97.94	-22.0	651.7	841.1	814.7	26.38	31.881		
7,650.0	7,373.0	7,600.0	7,414.0	30.0	18.0	-96.43	19.1	654.2	845.3	818.7	26.62	31.755		
7,700.0	7,399.6	7,644.3	7,433.7	30.2	18.2	-95.13	58.7	656.3	849.1	822.2	26.91	31.554		
7,750.0	7,423.3	7,689.9	7,451.5	30.3	18.3	-93.99	100.6	658.2	852.6	825.3	27.29	31.246		
7,800.0	7,444.0	7,735.2	7,466.5	30.5	18.5	-93.01	143.4	659.8	855.7	828.0	27.73	30.854		
7,850.0	7,461.5	7,780.4	7,478.8	30.7	18.7	-92.17	186.8	661.0	858.4	830.1	28.25	30.387		
7,900.0	7,475.8	7,825.3	7,488.2	30.9	18.9	-91.47	230.7	662.0	860.6	831.8	28.82	29.857		
7,950.0	7,486.9	7,870.1	7,494.9	31.1	19.2	-90.89	275.0	662.8	862.4	833.0	29.46	29.278		
8,000.0	7,494.6	7,914.6	7,498.8	31.3	19.5	-90.44	319.4	663.2	863.8	833.6	30.14	28.659		
8,050.0	7,499.0	7,959.5	7,500.0	31.5	19.8	-90.11	364.2	663.3	864.6	833.8	30.88	28.002		
8,089.2	7,500.0	7,998.7	7,500.0	31.7	20.1	-90.00	403.3	663.3	864.9	833.3	31.62	27.355		
8,100.0	7,500.0	8,009.5	7,500.0	31.7	20.1	-90.00	414.2	663.3	864.9	833.1	31.84	27.167		
8,200.0	7,500.0	8,109.5	7,500.0	32.3	21.0	-90.00	514.2	663.3	864.9	831.0	33.94	25.483		
8,300.0	7,500.0	8,209.5	7,500.0	32.9	21.9	-90.00	614.2	663.3	864.9	828.6	36.26	23.851		
8,400.0	7,500.0	8,309.5	7,500.0	33.6	23.0	-90.00	714.2	663.3	864.9	826.1	38.76	22.312		
8,500.0	7,500.0	8,409.5	7,500.0	34.3	24.1	-90.00	814.2	663.3	864.9	823.5	41.41	20.886		
8,600.0	7,500.0	8,509.5	7,500.0	35.2	25.3	-90.00	914.2	663.3	864.9	820.7	44.18	19.577		
8,700.0	7,500.0	8,609.5	7,500.0	36.1	26.6	-90.00	1,014.2	663.3	864.9	817.8	47.04	18.384		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4R-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
8,800.0	7,500.0	8,709.5	7,500.0	37.0	27.9	-90.00	1,114.2	663.3	864.9	814.9	49.99	17.300		
8,900.0	7,500.0	8,809.5	7,500.0	38.0	29.2	-90.00	1,214.2	663.3	864.9	811.9	53.01	16.316		
9,000.0	7,500.0	8,909.5	7,500.0	39.1	30.6	-90.00	1,314.2	663.3	864.9	808.8	56.08	15.421		
9,100.0	7,500.0	9,009.5	7,500.0	40.2	32.1	-90.00	1,414.2	663.3	864.9	805.7	59.21	14.608		
9,200.0	7,500.0	9,109.5	7,500.0	41.4	33.5	-90.00	1,514.2	663.3	864.9	802.5	62.37	13.867		
9,300.0	7,500.0	9,209.5	7,500.0	42.6	35.0	-90.00	1,614.2	663.3	864.9	799.3	65.57	13.191		
9,400.0	7,500.0	9,309.5	7,500.0	43.8	36.5	-90.00	1,714.2	663.3	864.9	796.1	68.80	12.572		
9,500.0	7,500.0	9,409.5	7,500.0	45.1	38.1	-90.00	1,814.2	663.3	864.9	792.8	72.05	12.004		
9,600.0	7,500.0	9,509.5	7,500.0	46.4	39.6	-90.00	1,914.2	663.3	864.9	789.6	75.33	11.482		
9,700.0	7,500.0	9,609.5	7,500.0	47.8	41.2	-90.00	2,014.2	663.3	864.9	786.3	78.63	11.000		
9,800.0	7,500.0	9,709.5	7,500.0	49.1	42.8	-90.00	2,114.2	663.3	864.9	783.0	81.94	10.555		
9,900.0	7,500.0	9,809.5	7,500.0	50.5	44.4	-90.00	2,214.2	663.3	864.9	779.6	85.27	10.143		
10,000.0	7,500.0	9,909.5	7,500.0	51.9	46.0	-90.00	2,314.2	663.3	864.9	776.3	88.61	9.760		
10,100.0	7,500.0	10,009.5	7,500.0	53.4	47.6	-90.00	2,414.2	663.3	864.9	772.9	91.97	9.404		
10,200.0	7,500.0	10,109.5	7,500.0	54.8	49.2	-90.00	2,514.2	663.3	864.9	769.6	95.34	9.072		
10,300.0	7,500.0	10,209.5	7,500.0	56.3	50.9	-90.00	2,614.2	663.3	864.9	766.2	98.72	8.761		
10,400.0	7,500.0	10,309.5	7,500.0	57.8	52.5	-90.00	2,714.2	663.3	864.9	762.8	102.10	8.471		
10,500.0	7,500.0	10,409.5	7,500.0	59.3	54.2	-90.00	2,814.2	663.3	864.9	759.4	105.50	8.198		
10,600.0	7,500.0	10,509.5	7,500.0	60.8	55.8	-90.00	2,914.2	663.3	864.9	756.0	108.90	7.942		
10,700.0	7,500.0	10,609.5	7,500.0	62.3	57.5	-90.00	3,014.2	663.3	864.9	752.6	112.30	7.701		
10,800.0	7,500.0	10,709.5	7,500.0	63.9	59.1	-90.00	3,114.2	663.3	864.9	749.2	115.72	7.474		
10,900.0	7,500.0	10,809.5	7,500.0	65.4	60.8	-90.00	3,214.2	663.3	864.9	745.8	119.14	7.260		
11,000.0	7,500.0	10,909.5	7,500.0	67.0	62.5	-90.00	3,314.2	663.3	864.9	742.3	122.56	7.057		
11,100.0	7,500.0	11,009.5	7,500.0	68.6	64.2	-90.00	3,414.2	663.3	864.9	738.9	125.99	6.865		
11,200.0	7,500.0	11,109.5	7,500.0	70.1	65.9	-90.00	3,514.2	663.3	864.9	735.5	129.42	6.683		
11,300.0	7,500.0	11,209.5	7,500.0	71.7	67.5	-90.00	3,614.2	663.3	864.9	732.0	132.86	6.510		
11,400.0	7,500.0	11,309.5	7,500.0	73.3	69.2	-90.00	3,714.2	663.3	864.9	728.6	136.30	6.345		
11,500.0	7,500.0	11,432.5	7,500.0	74.9	71.3	-90.00	3,837.2	664.5	864.0	722.9	141.10	6.124		
11,600.0	7,500.0	11,568.3	7,500.0	76.5	73.7	-90.00	3,972.8	670.9	859.3	712.8	146.48	5.866		
11,700.0	7,500.0	11,703.3	7,500.0	78.1	76.0	-90.00	4,107.3	682.9	850.4	698.8	151.61	5.609		
11,800.0	7,500.0	11,834.8	7,500.0	79.8	78.3	-90.00	4,237.7	699.9	837.4	681.0	156.38	5.355		
11,900.0	7,500.0	11,857.5	7,500.0	81.4	78.7	-90.00	4,260.1	703.3	826.2	669.9	156.27	5.287 SF		
11,939.2	7,500.0	11,857.5	7,500.0	82.0	78.7	-90.00	4,260.1	703.3	825.0	669.6	155.33	5.311		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4S-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.34	0.3	-29.9	29.9					
100.0	100.0	100.0	100.0	0.1	0.1	-89.34	0.3	-29.9	29.9	29.6	0.30	100.905		
200.0	200.0	200.0	200.0	0.3	0.3	-89.34	0.3	-29.9	29.9	29.3	0.65	46.362		
250.0	250.0	250.0	250.0	0.4	0.4	-89.34	0.3	-29.9	29.9	29.1	0.82	36.498 CC		
300.0	300.0	300.0	300.0	0.5	0.5	91.49	0.3	-29.9	29.9	29.0	1.00	30.096		
400.0	399.9	399.9	399.9	0.7	0.7	98.11	0.3	-29.9	30.2	28.9	1.35	22.367 ES		
500.0	499.8	500.3	500.3	0.9	0.8	125.47	0.0	-29.1	31.4	29.7	1.71	18.319		
600.0	599.6	600.8	600.8	1.1	1.0	147.71	-1.1	-26.7	33.0	30.9	2.07	15.961		
700.0	699.4	701.4	701.2	1.3	1.2	164.09	-2.9	-22.7	34.8	32.4	2.42	14.401		
800.0	799.1	801.9	801.6	1.5	1.4	175.60	-5.4	-17.1	36.6	33.8	2.76	13.234		
900.0	898.6	902.6	901.9	1.7	1.6	-176.52	-8.7	-9.8	38.1	35.0	3.11	12.266		
1,000.0	998.0	1,003.2	1,002.1	1.9	1.8	-171.36	-12.6	-1.0	39.4	35.9	3.45	11.408		
1,100.0	1,097.3	1,103.9	1,102.1	2.2	2.1	-168.29	-17.3	9.5	40.3	36.5	3.80	10.622		
1,200.0	1,196.3	1,204.6	1,202.0	2.5	2.4	-166.95	-22.7	21.6	41.0	36.9	4.14	9.897		
1,300.0	1,295.1	1,304.8	1,301.1	2.8	2.6	-167.14	-28.6	34.8	41.8	37.3	4.49	9.314		
1,400.0	1,393.6	1,404.8	1,400.0	3.1	2.9	-168.71	-34.6	48.1	44.2	39.3	4.84	9.123		
1,500.0	1,491.8	1,504.6	1,498.8	3.5	3.2	-171.12	-40.5	61.4	48.2	43.0	5.19	9.279		
1,600.0	1,589.7	1,604.4	1,597.5	3.8	3.5	-173.80	-46.4	74.6	54.0	48.5	5.56	9.720		
1,700.0	1,687.2	1,704.0	1,696.1	4.2	3.8	-176.36	-52.4	87.9	61.8	55.8	5.94	10.394		
1,735.7	1,721.9	1,739.5	1,731.2	4.4	3.9	-177.20	-54.5	92.6	65.0	58.9	6.08	10.681		
1,800.0	1,784.4	1,803.6	1,794.5	4.7	4.1	-179.10	-58.3	101.1	71.0	64.7	6.34	11.201		
1,900.0	1,881.6	1,903.0	1,893.0	5.1	4.4	178.51	-64.2	114.4	80.5	73.8	6.75	11.937		
2,000.0	1,978.8	2,002.5	1,991.4	5.5	4.7	176.63	-70.1	127.6	90.2	83.0	7.16	12.594		
2,100.0	2,075.9	2,102.0	2,089.8	6.0	5.0	175.12	-76.0	140.8	99.9	92.3	7.58	13.183		
2,200.0	2,173.1	2,201.5	2,188.3	6.4	5.3	173.87	-82.0	154.1	109.6	101.6	8.00	13.712		
2,300.0	2,270.3	2,301.0	2,286.7	6.8	5.6	172.83	-87.9	167.3	119.4	111.0	8.42	14.190		
2,400.0	2,367.5	2,400.5	2,385.1	7.3	5.9	171.95	-93.8	180.5	129.3	120.4	8.84	14.622		
2,500.0	2,464.7	2,500.0	2,483.6	7.7	6.2	171.19	-99.7	193.8	139.2	129.9	9.27	15.015		
2,600.0	2,561.9	2,599.5	2,582.0	8.2	6.5	170.53	-105.6	207.0	149.0	139.3	9.69	15.374		
2,700.0	2,659.1	2,699.0	2,680.4	8.6	6.8	169.95	-111.6	220.2	158.9	148.8	10.12	15.702		
2,800.0	2,756.2	2,798.5	2,778.9	9.1	7.1	169.44	-117.5	233.5	168.9	158.3	10.55	16.003		
2,900.0	2,853.4	2,898.0	2,877.3	9.5	7.4	168.99	-123.4	246.7	178.8	167.8	10.98	16.281		
3,000.0	2,950.6	2,997.5	2,975.7	10.0	7.7	168.59	-129.3	259.9	188.7	177.3	11.41	16.537		
3,100.0	3,047.8	3,097.0	3,074.2	10.4	8.0	168.22	-135.2	273.2	198.7	186.8	11.84	16.775		
3,200.0	3,145.0	3,196.5	3,172.6	10.9	8.3	167.89	-141.2	286.4	208.6	196.4	12.28	16.995		
3,300.0	3,242.2	3,296.0	3,271.0	11.3	8.6	167.59	-147.1	299.6	218.6	205.9	12.71	17.201		
3,400.0	3,339.4	3,395.5	3,369.5	11.8	9.0	167.32	-153.0	312.9	228.6	215.4	13.14	17.392		
3,500.0	3,436.5	3,495.0	3,467.9	12.2	9.3	167.07	-158.9	326.1	238.5	225.0	13.57	17.572		
3,600.0	3,533.7	3,594.5	3,566.4	12.7	9.6	166.84	-164.8	339.3	248.5	234.5	14.01	17.740		
3,700.0	3,630.9	3,694.0	3,664.8	13.1	9.9	166.63	-170.8	352.6	258.5	244.0	14.44	17.897		
3,800.0	3,728.1	3,793.5	3,763.2	13.6	10.2	166.43	-176.7	365.8	268.5	253.6	14.88	18.046		
3,900.0	3,825.3	3,893.0	3,861.7	14.0	10.5	166.25	-182.6	379.0	278.4	263.1	15.31	18.186		
4,000.0	3,922.5	3,992.5	3,960.1	14.5	10.8	166.08	-188.5	392.3	288.4	272.7	15.75	18.318		
4,100.0	4,019.6	4,092.0	4,058.5	14.9	11.1	165.92	-194.4	405.5	298.4	282.2	16.18	18.443		
4,200.0	4,116.8	4,191.5	4,157.0	15.4	11.4	165.77	-200.4	418.7	308.4	291.8	16.62	18.561		
4,300.0	4,214.0	4,291.0	4,255.4	15.8	11.7	165.63	-206.3	432.0	318.4	301.4	17.05	18.673		
4,400.0	4,311.2	4,390.5	4,353.8	16.3	12.0	165.50	-212.2	445.2	328.4	310.9	17.49	18.779		
4,500.0	4,408.4	4,490.0	4,452.3	16.7	12.3	165.38	-218.1	458.4	338.4	320.5	17.92	18.880		
4,600.0	4,505.6	4,589.5	4,550.7	17.2	12.6	165.26	-224.0	471.7	348.4	330.0	18.36	18.977		
4,700.0	4,602.8	4,688.9	4,649.1	17.7	12.9	165.15	-230.0	484.9	358.4	339.6	18.80	19.068		
4,800.0	4,699.9	4,788.4	4,747.6	18.1	13.3	165.05	-235.9	498.1	368.4	349.2	19.23	19.156		
4,900.0	4,797.1	4,887.9	4,846.0	18.6	13.6	164.95	-241.8	511.4	378.4	358.7	19.67	19.239		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4S-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
5,000.0	4,894.3	4,987.4	4,944.4	19.0	13.9	164.86	-247.7	524.6	388.4	368.3	20.10	19.319		
5,100.0	4,991.5	5,086.9	5,042.9	19.5	14.2	164.77	-253.6	537.8	398.4	377.9	20.54	19.395		
5,200.0	5,088.7	5,186.4	5,141.3	19.9	14.5	164.69	-259.6	551.1	408.4	387.4	20.98	19.469		
5,300.0	5,185.9	5,285.9	5,239.7	20.4	14.8	164.61	-265.5	564.3	418.4	397.0	21.41	19.539		
5,400.0	5,283.0	5,385.4	5,338.2	20.8	15.1	164.53	-271.4	577.5	428.4	406.6	21.85	19.606		
5,500.0	5,380.2	5,484.9	5,436.6	21.3	15.4	164.46	-277.3	590.8	438.4	416.1	22.29	19.671		
5,600.0	5,477.4	5,584.4	5,535.0	21.8	15.7	164.39	-283.2	604.0	448.4	425.7	22.73	19.733		
5,700.0	5,574.6	5,683.9	5,633.5	22.2	16.0	164.32	-289.2	617.2	458.5	435.3	23.16	19.792		
5,800.0	5,671.8	5,783.4	5,731.9	22.7	16.3	164.26	-295.1	630.5	468.5	444.9	23.60	19.850		
5,900.0	5,769.0	5,882.9	5,830.3	23.1	16.6	164.20	-301.0	643.7	478.5	454.4	24.04	19.905		
6,000.0	5,866.2	5,982.4	5,928.8	23.6	16.9	164.14	-306.9	656.9	488.5	464.0	24.47	19.958		
6,100.0	5,963.3	6,081.9	6,027.2	24.0	17.3	164.08	-312.8	670.2	498.5	473.6	24.91	20.010		
6,200.0	6,060.5	6,181.4	6,125.7	24.5	17.6	164.03	-318.8	683.4	508.5	483.2	25.35	20.060		
6,300.0	6,157.7	6,280.9	6,224.1	24.9	17.9	163.98	-324.7	696.6	518.5	492.7	25.79	20.107		
6,400.0	6,254.9	6,380.4	6,322.5	25.4	18.2	163.93	-330.6	709.9	528.5	502.3	26.22	20.154		
6,500.0	6,352.1	6,479.9	6,421.0	25.9	18.5	163.88	-336.5	723.1	538.5	511.9	26.66	20.198		
6,600.0	6,449.3	6,579.4	6,519.4	26.3	18.8	163.83	-342.4	736.3	548.6	521.5	27.10	20.242		
6,700.0	6,546.4	6,678.9	6,617.8	26.8	19.1	163.79	-348.4	749.6	558.6	531.0	27.54	20.284		
6,800.0	6,643.6	6,778.4	6,716.3	27.2	19.4	163.75	-354.3	762.8	568.6	540.6	27.98	20.324		
6,900.0	6,740.8	6,882.7	6,819.5	27.7	19.7	164.06	-356.8	776.7	578.3	550.1	28.25	20.473		
6,930.8	6,770.8	6,915.2	6,851.7	27.8	19.8	164.44	-354.8	781.0	581.1	552.9	28.21	20.602		
6,950.0	6,789.4	6,935.2	6,871.5	27.9	19.8	171.18	-352.8	783.7	582.8	554.7	28.16	20.700		
7,000.0	6,838.0	6,987.2	6,922.4	28.1	19.9	-171.09	-344.9	790.5	587.4	559.4	27.97	20.996		
7,050.0	6,886.5	7,038.7	6,972.1	28.3	20.0	-155.19	-333.5	797.2	592.0	564.2	27.75	21.333		
7,100.0	6,934.6	7,089.6	7,020.4	28.5	20.0	-142.39	-318.8	803.7	596.6	569.1	27.50	21.699		
7,150.0	6,982.0	7,140.0	7,067.0	28.7	20.1	-132.56	-300.7	810.0	601.3	574.0	27.23	22.082		
7,200.0	7,028.5	7,190.0	7,111.9	28.8	20.1	-125.02	-279.7	816.0	605.9	579.0	26.97	22.470		
7,250.0	7,074.0	7,239.4	7,154.8	29.0	20.1	-119.13	-255.7	821.8	610.5	583.8	26.72	22.848		
7,300.0	7,118.1	7,288.5	7,195.6	29.1	20.2	-114.43	-229.1	827.3	615.1	588.6	26.51	23.203		
7,350.0	7,160.7	7,337.0	7,234.2	29.3	20.2	-110.58	-200.1	832.4	619.6	593.2	26.34	23.521		
7,400.0	7,201.5	7,385.2	7,270.4	29.4	20.2	-107.36	-168.7	837.3	623.9	597.7	26.23	23.789		
7,450.0	7,240.4	7,433.0	7,304.2	29.5	20.3	-104.64	-135.2	841.9	628.2	602.0	26.18	23.995		
7,500.0	7,277.2	7,480.4	7,335.4	29.6	20.3	-102.29	-99.8	846.1	632.2	606.0	26.20	24.131		
7,550.0	7,311.7	7,527.5	7,364.1	29.8	20.4	-100.26	-62.7	849.9	636.1	609.8	26.30	24.191		
7,600.0	7,343.7	7,574.2	7,390.1	29.9	20.5	-98.49	-24.0	853.4	639.8	613.3	26.47	24.173		
7,650.0	7,373.0	7,620.6	7,413.4	30.0	20.6	-96.93	16.0	856.5	643.2	616.5	26.70	24.087		
7,700.0	7,399.6	7,666.7	7,434.0	30.2	20.7	-95.57	57.1	859.3	646.4	619.4	27.02	23.921		
7,750.0	7,423.3	7,712.6	7,451.8	30.3	20.8	-94.37	99.3	861.7	649.3	621.9	27.41	23.689		
7,800.0	7,444.0	7,758.2	7,466.8	30.5	21.0	-93.33	142.3	863.7	651.9	624.0	27.86	23.400		
7,850.0	7,461.5	7,803.5	7,479.0	30.7	21.2	-92.43	185.9	865.4	654.1	625.8	28.37	23.060		
7,900.0	7,475.8	7,850.0	7,488.7	30.9	21.4	-91.66	231.4	866.7	656.1	627.1	28.97	22.648		
7,950.0	7,486.9	7,893.6	7,495.1	31.1	21.6	-91.04	274.5	867.5	657.7	628.1	29.54	22.261		
8,000.0	7,494.6	7,938.3	7,498.9	31.3	21.9	-90.52	319.0	868.0	658.9	628.7	30.20	21.820		
8,050.0	7,499.0	7,983.5	7,500.0	31.5	22.1	-90.13	364.2	868.2	659.8	628.9	30.90	21.349		
8,089.2	7,500.0	8,022.7	7,500.0	31.7	22.4	-90.00	403.3	868.2	660.0	628.4	31.65	20.851		
8,100.0	7,500.0	8,033.5	7,500.0	31.7	22.5	-90.00	414.2	868.2	660.0	628.1	31.87	20.710		
8,200.0	7,500.0	8,133.5	7,500.0	32.3	23.2	-90.00	514.2	868.2	660.0	626.0	33.97	19.428		
8,300.0	7,500.0	8,233.5	7,500.0	32.9	24.1	-90.00	614.2	868.2	660.0	623.7	36.29	18.186		
8,400.0	7,500.0	8,333.5	7,500.0	33.6	25.0	-90.00	714.2	868.2	660.0	621.2	38.79	17.015		
8,500.0	7,500.0	8,433.5	7,500.0	34.3	26.1	-90.00	814.2	868.2	660.0	618.6	41.44	15.928		
8,600.0	7,500.0	8,533.5	7,500.0	35.2	27.2	-90.00	914.2	868.2	660.0	615.8	44.20	14.932		
8,700.0	7,500.0	8,633.5	7,500.0	36.1	28.3	-90.00	1,014.2	868.2	660.0	612.9	47.07	14.023		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4S-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
8,800.0	7,500.0	8,733.5	7,500.0	37.0	29.6	-90.00	1,114.2	868.2	660.0	610.0	50.01	13.196		
8,900.0	7,500.0	8,833.5	7,500.0	38.0	30.9	-90.00	1,214.2	868.2	660.0	607.0	53.03	12.446		
9,000.0	7,500.0	8,933.5	7,500.0	39.1	32.2	-90.00	1,314.2	868.2	660.0	603.9	56.10	11.764		
9,100.0	7,500.0	9,033.5	7,500.0	40.2	33.6	-90.00	1,414.2	868.2	660.0	600.8	59.22	11.144		
9,200.0	7,500.0	9,133.5	7,500.0	41.4	35.0	-90.00	1,514.2	868.2	660.0	597.6	62.39	10.579		
9,300.0	7,500.0	9,233.5	7,500.0	42.6	36.4	-90.00	1,614.2	868.2	660.0	594.4	65.58	10.063		
9,400.0	7,500.0	9,333.5	7,500.0	43.8	37.8	-90.00	1,714.2	868.2	660.0	591.2	68.81	9.591		
9,500.0	7,500.0	9,433.5	7,500.0	45.1	39.3	-90.00	1,814.2	868.2	660.0	587.9	72.07	9.158		
9,600.0	7,500.0	9,533.5	7,500.0	46.4	40.8	-90.00	1,914.2	868.2	660.0	584.7	75.34	8.760		
9,700.0	7,500.0	9,633.5	7,500.0	47.8	42.4	-90.00	2,014.2	868.2	660.0	581.4	78.64	8.393		
9,800.0	7,500.0	9,733.5	7,500.0	49.1	43.9	-90.00	2,114.2	868.2	660.0	578.0	81.95	8.053		
9,900.0	7,500.0	9,833.5	7,500.0	50.5	45.5	-90.00	2,214.2	868.2	660.0	574.7	85.28	7.739		
10,000.0	7,500.0	9,933.5	7,500.0	51.9	47.0	-90.00	2,314.2	868.2	660.0	571.4	88.63	7.447		
10,100.0	7,500.0	10,033.5	7,500.0	53.4	48.6	-90.00	2,414.2	868.2	660.0	568.0	91.98	7.175		
10,200.0	7,500.0	10,133.5	7,500.0	54.8	50.2	-90.00	2,514.2	868.2	660.0	564.7	95.35	6.922		
10,300.0	7,500.0	10,233.5	7,500.0	56.3	51.8	-90.00	2,614.2	868.2	660.0	561.3	98.73	6.685		
10,400.0	7,500.0	10,333.5	7,500.0	57.8	53.4	-90.00	2,714.2	868.2	660.0	557.9	102.11	6.463		
10,500.0	7,500.0	10,433.5	7,500.0	59.3	55.0	-90.00	2,814.2	868.2	660.0	554.5	105.51	6.256		
10,600.0	7,500.0	10,533.5	7,500.0	60.8	56.7	-90.00	2,914.2	868.2	660.0	551.1	108.91	6.060		
10,700.0	7,500.0	10,633.5	7,500.0	62.3	58.3	-90.00	3,014.2	868.2	660.0	547.7	112.32	5.876		
10,800.0	7,500.0	10,733.5	7,500.0	63.9	60.0	-90.00	3,114.2	868.2	660.0	544.3	115.73	5.703		
10,900.0	7,500.0	10,833.5	7,500.0	65.4	61.6	-90.00	3,214.2	868.2	660.0	540.9	119.15	5.539		
11,000.0	7,500.0	10,933.5	7,500.0	67.0	63.3	-90.00	3,314.2	868.2	660.0	537.4	122.57	5.385		
11,100.0	7,500.0	11,033.5	7,500.0	68.6	64.9	-90.00	3,414.2	868.2	660.0	534.0	126.00	5.238		
11,200.0	7,500.0	11,133.5	7,500.0	70.1	66.6	-90.00	3,514.2	868.2	660.0	530.6	129.43	5.099		
11,300.0	7,500.0	11,233.5	7,500.0	71.7	68.3	-90.00	3,614.2	868.2	660.0	527.1	132.87	4.967		
11,400.0	7,500.0	11,333.5	7,500.0	73.3	69.9	-90.00	3,714.2	868.2	660.0	523.7	136.31	4.842		
11,500.0	7,500.0	11,433.5	7,500.0	74.9	71.6	-90.00	3,814.2	868.2	660.0	520.2	139.75	4.723		
11,600.0	7,500.0	11,533.5	7,500.0	76.5	73.3	-90.00	3,914.2	868.2	660.0	516.8	143.20	4.609		
11,700.0	7,500.0	11,633.5	7,500.0	78.1	75.0	-90.00	4,014.2	868.2	660.0	513.3	146.65	4.500		
11,800.0	7,500.0	11,733.5	7,500.0	79.8	76.7	-90.00	4,114.2	868.2	660.0	509.9	150.10	4.397		
11,900.0	7,500.0	11,833.5	7,500.0	81.4	78.4	-90.00	4,214.2	868.2	660.0	506.4	153.56	4.298		
11,939.2	7,500.0	11,872.7	7,500.0	82.0	79.0	-90.00	4,253.3	868.2	660.0	505.1	154.91	4.260 SF		

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

Anticollision Report

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Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4T-32H-O268 - OH - PLAN #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink 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	-88.82	0.4	-19.9	19.9					
100.0	100.0	100.0	100.0	0.1	0.1	-88.82	0.4	-19.9	19.9	19.6	0.30	66.966		
200.0	200.0	200.0	200.0	0.3	0.3	-88.82	0.4	-19.9	19.9	19.2	0.65	30.768		
250.0	250.0	250.0	250.0	0.4	0.4	-88.82	0.4	-19.9	19.9	19.0	0.82	24.222 CC		
300.0	300.0	300.0	300.0	0.5	0.5	92.44	0.4	-19.9	19.9	18.9	1.00	19.982		
400.0	399.9	400.1	400.1	0.7	0.7	102.24	0.3	-19.7	20.1	18.8	1.35	14.878 ES		
500.0	499.8	500.4	500.3	0.9	0.8	133.78	-0.3	-18.0	20.9	19.2	1.71	12.212		
600.0	599.6	600.6	600.6	1.1	1.0	159.39	-1.4	-14.7	22.3	20.3	2.06	10.838		
700.0	699.4	701.0	700.7	1.3	1.2	178.35	-3.2	-9.7	24.0	21.6	2.41	9.980		
800.0	799.1	801.3	800.8	1.5	1.4	-168.07	-5.6	-3.1	25.6	22.9	2.76	9.303		
900.0	898.6	901.7	900.8	1.7	1.6	-158.40	-8.5	5.1	27.0	23.9	3.12	8.667		
1,000.0	998.0	1,002.1	1,000.7	1.9	1.9	-151.54	-12.0	15.0	28.0	24.5	3.50	8.021		
1,100.0	1,097.3	1,102.5	1,100.3	2.2	2.1	-146.77	-16.2	26.6	28.6	24.8	3.89	7.356		
1,200.0	1,196.3	1,202.9	1,199.7	2.5	2.4	-143.64	-20.9	39.8	28.8	24.5	4.31	6.679		
1,300.0	1,295.1	1,303.3	1,298.9	2.8	2.7	-141.92	-26.2	54.7	28.5	23.7	4.74	6.007		
1,400.0	1,393.6	1,403.5	1,397.6	3.1	3.0	-141.66	-32.0	71.0	27.8	22.7	5.17	5.382		
1,438.0	1,430.9	1,441.5	1,435.0	3.2	3.2	-142.29	-34.2	77.3	27.7	22.4	5.32	5.213		
1,500.0	1,491.8	1,503.5	1,496.0	3.5	3.4	-144.28	-37.9	87.6	28.0	22.4	5.54	5.051		
1,600.0	1,589.7	1,603.4	1,594.4	3.8	3.7	-149.54	-43.8	104.1	29.5	23.7	5.82	5.066		
1,700.0	1,687.2	1,703.3	1,692.7	4.2	4.0	-156.19	-49.7	120.7	32.7	26.7	6.05	5.410		
1,735.7	1,721.9	1,738.9	1,727.8	4.4	4.2	-158.63	-51.8	126.6	34.3	28.2	6.13	5.604		
1,800.0	1,784.4	1,803.1	1,790.9	4.7	4.4	-163.16	-55.6	137.3	37.6	31.3	6.29	5.981		
1,900.0	1,881.6	1,902.9	1,889.2	5.1	4.7	-168.78	-61.5	153.8	43.1	36.5	6.59	6.537		
2,000.0	1,978.8	2,002.6	1,987.4	5.5	5.1	-173.11	-67.4	170.4	48.9	41.9	6.94	7.044		
2,100.0	2,075.9	2,102.4	2,085.6	6.0	5.4	-176.51	-73.3	186.9	54.9	47.6	7.32	7.499		
2,200.0	2,173.1	2,202.2	2,183.8	6.4	5.8	-179.22	-79.2	203.5	61.0	53.3	7.72	7.907		
2,300.0	2,270.3	2,301.9	2,282.0	6.8	6.1	178.56	-85.1	220.0	67.3	59.2	8.14	8.272		
2,400.0	2,367.5	2,401.7	2,380.2	7.3	6.5	176.72	-91.0	236.5	73.7	65.1	8.57	8.600		
2,500.0	2,464.7	2,501.5	2,478.4	7.7	6.8	175.18	-96.9	253.1	80.1	71.1	9.00	8.897		
2,600.0	2,561.9	2,601.3	2,576.6	8.2	7.2	173.87	-102.8	269.6	86.6	77.1	9.44	9.165		
2,700.0	2,659.1	2,701.0	2,674.9	8.6	7.5	172.74	-108.7	286.2	93.1	83.2	9.89	9.409		
2,800.0	2,756.2	2,800.8	2,773.1	9.1	7.9	171.75	-114.6	302.7	99.6	89.3	10.34	9.632		
2,900.0	2,853.4	2,900.6	2,871.3	9.5	8.2	170.89	-120.5	319.3	106.2	95.4	10.79	9.836		
3,000.0	2,950.6	3,000.4	2,969.5	10.0	8.6	170.13	-126.4	335.8	112.8	101.5	11.25	10.024		
3,100.0	3,047.8	3,100.1	3,067.7	10.4	8.9	169.46	-132.3	352.4	119.4	107.7	11.71	10.197		
3,200.0	3,145.0	3,199.9	3,165.9	10.9	9.3	168.85	-138.2	368.9	126.0	113.8	12.16	10.357		
3,300.0	3,242.2	3,299.7	3,264.1	11.3	9.6	168.30	-144.1	385.5	132.6	120.0	12.62	10.506		
3,400.0	3,339.4	3,399.4	3,362.4	11.8	10.0	167.81	-150.0	402.0	139.3	126.2	13.08	10.644		
3,500.0	3,436.5	3,499.2	3,460.6	12.2	10.3	167.36	-155.9	418.6	145.9	132.4	13.55	10.772		
3,600.0	3,533.7	3,599.0	3,558.8	12.7	10.7	166.95	-161.8	435.1	152.6	138.6	14.01	10.892		
3,700.0	3,630.9	3,698.8	3,657.0	13.1	11.1	166.58	-167.7	451.7	159.2	144.8	14.47	11.005		
3,800.0	3,728.1	3,798.5	3,755.2	13.6	11.4	166.23	-173.6	468.2	165.9	151.0	14.93	11.110		
3,900.0	3,825.3	3,898.3	3,853.4	14.0	11.8	165.92	-179.5	484.8	172.6	157.2	15.40	11.210		
4,000.0	3,922.5	3,998.1	3,951.6	14.5	12.1	165.62	-185.4	501.3	179.3	163.4	15.86	11.303		
4,100.0	4,019.6	4,097.8	4,049.8	14.9	12.5	165.35	-191.3	517.9	186.0	169.6	16.33	11.391		
4,200.0	4,116.8	4,197.6	4,148.1	15.4	12.8	165.09	-197.2	534.4	192.7	175.9	16.79	11.474		
4,300.0	4,214.0	4,297.4	4,246.3	15.8	13.2	164.86	-203.1	551.0	199.4	182.1	17.26	11.553		
4,400.0	4,311.2	4,397.2	4,344.5	16.3	13.5	164.64	-209.0	567.5	206.1	188.3	17.72	11.628		
4,500.0	4,408.4	4,496.9	4,442.7	16.7	13.9	164.43	-214.9	584.1	212.8	194.6	18.19	11.699		
4,600.0	4,505.6	4,596.7	4,540.9	17.2	14.2	164.23	-220.8	600.6	219.5	200.8	18.65	11.766		
4,700.0	4,602.8	4,696.5	4,639.1	17.7	14.6	164.05	-226.7	617.2	226.2	207.1	19.12	11.830		
4,800.0	4,699.9	4,796.3	4,737.3	18.1	15.0	163.88	-232.6	633.7	232.9	213.3	19.58	11.891		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File/Hwy 52) NEW - HWY 4T-32H-O268 - OH - PLAN #1														Offset Site Error:	0.0 ft
Survey Program: O-Geolink 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			
4,900.0	4,797.1	4,896.0	4,835.6	18.6	15.3	163.71	-238.5	650.3	239.6	219.5	20.05	11.949			
5,000.0	4,894.3	4,995.8	4,933.8	19.0	15.7	163.56	-244.4	666.8	246.3	225.8	20.52	12.004			
5,100.0	4,991.5	5,095.6	5,032.0	19.5	16.0	163.41	-250.3	683.4	253.0	232.0	20.98	12.057			
5,200.0	5,088.7	5,195.3	5,130.2	19.9	16.4	163.27	-256.2	699.9	259.7	238.3	21.45	12.108			
5,300.0	5,185.9	5,295.1	5,228.4	20.4	16.7	163.14	-262.1	716.4	266.5	244.5	21.92	12.157			
5,400.0	5,283.0	5,394.9	5,326.6	20.8	17.1	163.02	-268.0	733.0	273.2	250.8	22.39	12.203			
5,500.0	5,380.2	5,494.7	5,424.8	21.3	17.4	162.90	-273.9	749.5	279.9	257.0	22.85	12.248			
5,600.0	5,477.4	5,594.4	5,523.0	21.8	17.8	162.78	-279.8	766.1	286.6	263.3	23.32	12.291			
5,700.0	5,574.6	5,694.2	5,621.3	22.2	18.2	162.68	-285.7	782.6	293.3	269.5	23.79	12.332			
5,800.0	5,671.8	5,794.0	5,719.5	22.7	18.5	162.57	-291.6	799.2	300.1	275.8	24.25	12.371			
5,900.0	5,769.0	5,893.7	5,817.7	23.1	18.9	162.47	-297.5	815.7	306.8	282.1	24.72	12.409			
6,000.0	5,866.2	5,993.5	5,915.9	23.6	19.2	162.38	-303.4	832.3	313.5	288.3	25.19	12.446			
6,100.0	5,963.3	6,093.3	6,014.1	24.0	19.6	162.29	-309.3	848.8	320.2	294.6	25.66	12.481			
6,200.0	6,060.5	6,193.1	6,112.3	24.5	19.9	162.20	-315.2	865.4	327.0	300.8	26.12	12.515			
6,300.0	6,157.7	6,292.8	6,210.5	24.9	20.3	162.12	-321.1	881.9	333.7	307.1	26.59	12.548			
6,400.0	6,254.9	6,392.6	6,308.8	25.4	20.6	162.04	-327.0	898.5	340.4	313.4	27.06	12.580			
6,500.0	6,352.1	6,492.4	6,407.0	25.9	21.0	161.96	-332.9	915.0	347.1	319.6	27.53	12.611			
6,600.0	6,449.3	6,592.2	6,505.2	26.3	21.4	161.89	-338.8	931.6	353.9	325.9	28.00	12.640			
6,700.0	6,546.4	6,691.9	6,603.4	26.8	21.7	161.81	-344.7	948.1	360.6	332.1	28.46	12.669			
6,800.0	6,643.6	6,791.7	6,701.6	27.2	22.1	161.75	-350.6	964.7	367.3	338.4	28.93	12.697			
6,900.0	6,740.8	6,894.8	6,803.2	27.7	22.4	161.69	-356.5	981.8	373.9	344.6	29.26	12.725			
6,930.8	6,770.8	6,927.6	6,835.5	27.8	22.5	162.40	-353.7	987.3	375.6	346.4	29.18	12.870			
6,950.0	6,789.4	6,947.8	6,855.4	27.9	22.6	169.14	-352.2	990.6	376.6	347.5	29.10	12.943			
7,000.0	6,838.0	7,000.3	6,906.7	28.1	22.7	-173.10	-345.8	999.4	379.3	350.5	28.81	13.167			
7,050.0	6,886.5	7,052.4	6,957.1	28.3	22.8	-157.15	-335.7	1,007.9	382.1	353.6	28.47	13.422			
7,100.0	6,934.6	7,104.1	7,006.2	28.5	22.9	-144.30	-322.0	1,016.3	384.8	356.8	28.09	13.700			
7,150.0	6,982.0	7,155.3	7,053.7	28.7	23.0	-134.41	-304.9	1,024.5	387.6	359.9	27.71	13.992			
7,200.0	7,028.5	7,206.1	7,099.6	28.8	23.1	-126.81	-284.6	1,032.4	390.4	363.1	27.33	14.285			
7,250.0	7,074.0	7,256.4	7,143.6	29.0	23.1	-120.85	-261.3	1,040.0	393.2	366.2	26.99	14.570			
7,300.0	7,118.1	7,306.4	7,185.5	29.1	23.2	-116.07	-235.1	1,047.2	396.0	369.3	26.69	14.834			
7,350.0	7,160.7	7,356.0	7,225.2	29.3	23.3	-112.13	-206.2	1,054.1	398.7	372.2	26.47	15.065			
7,400.0	7,201.5	7,405.2	7,262.6	29.4	23.3	-108.83	-174.9	1,060.7	401.4	375.1	26.31	15.255			
7,450.0	7,240.4	7,454.0	7,297.5	29.5	23.4	-106.01	-141.3	1,066.8	404.0	377.7	26.24	15.394			
7,500.0	7,277.2	7,502.5	7,329.8	29.6	23.5	-103.57	-105.7	1,072.5	406.5	380.2	26.26	15.478			
7,550.0	7,311.7	7,550.0	7,359.1	29.8	23.5	-101.44	-68.6	1,077.7	408.9	382.5	26.37	15.506			
7,600.0	7,343.7	7,598.4	7,386.4	29.9	23.6	-99.55	-29.0	1,082.6	411.1	384.6	26.57	15.475			
7,650.0	7,373.0	7,645.8	7,410.5	30.0	23.8	-97.89	11.6	1,086.9	413.3	386.4	26.84	15.397			
7,700.0	7,399.6	7,693.0	7,431.8	30.2	23.9	-96.42	53.5	1,090.8	415.3	388.1	27.20	15.266			
7,750.0	7,423.3	7,739.9	7,450.3	30.3	24.0	-95.11	96.5	1,094.3	417.1	389.4	27.62	15.097			
7,800.0	7,444.0	7,786.6	7,465.8	30.5	24.2	-93.96	140.4	1,097.2	418.7	390.6	28.11	14.896			
7,850.0	7,461.5	7,833.0	7,478.5	30.7	24.4	-92.94	184.9	1,099.6	420.1	391.4	28.64	14.670			
7,900.0	7,475.8	7,879.1	7,488.2	30.9	24.6	-92.06	230.0	1,101.6	421.3	392.1	29.20	14.424			
7,950.0	7,486.9	7,925.1	7,495.0	31.1	24.8	-91.31	275.4	1,103.1	422.2	392.4	29.81	14.166			
8,000.0	7,494.6	7,970.8	7,498.9	31.3	25.0	-90.67	321.0	1,104.0	422.9	392.5	30.43	13.898			
8,050.0	7,499.0	8,017.0	7,500.0	31.5	25.3	-90.16	367.1	1,104.5	423.4	392.3	31.11	13.610			
8,089.2	7,500.0	8,056.1	7,500.0	31.7	25.5	-90.00	406.3	1,104.8	423.4	391.5	31.87	13.285			
8,100.0	7,500.0	8,067.0	7,500.0	31.7	25.6	-90.00	417.1	1,104.9	423.3	391.2	32.08	13.194			
8,200.0	7,500.0	8,167.0	7,500.0	32.3	26.2	-90.00	517.1	1,105.6	422.6	388.4	34.21	12.352			
8,300.0	7,500.0	8,267.0	7,500.0	32.9	27.0	-90.00	617.1	1,106.3	421.9	385.4	36.56	11.542			
8,400.0	7,500.0	8,367.0	7,500.0	33.6	27.9	-90.00	717.1	1,107.0	421.2	382.1	39.07	10.780			
8,500.0	7,500.0	8,467.0	7,500.0	34.3	28.8	-90.00	817.1	1,107.7	420.5	378.8	41.73	10.077			
8,600.0	7,500.0	8,567.0	7,500.0	35.2	29.8	-90.00	917.1	1,108.4	419.8	375.3	44.51	9.432			

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4T-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	7,500.0	8,667.0	7,500.0	36.1	30.9	-90.00	1,017.1	1,109.1	419.1	371.7	47.38	8.845		
8,800.0	7,500.0	8,767.0	7,500.0	37.0	32.0	-90.00	1,117.1	1,109.8	418.4	368.1	50.34	8.312		
8,900.0	7,500.0	8,866.9	7,500.0	38.0	33.2	-90.00	1,217.1	1,110.5	417.7	364.4	53.36	7.828		
9,000.0	7,500.0	8,966.9	7,500.0	39.1	34.5	-90.00	1,317.1	1,111.2	417.0	360.6	56.44	7.389		
9,100.0	7,500.0	9,066.9	7,500.0	40.2	35.8	-90.00	1,417.1	1,111.9	416.3	356.8	59.57	6.989		
9,200.0	7,500.0	9,166.9	7,500.0	41.4	37.1	-90.00	1,517.1	1,112.6	415.6	352.9	62.73	6.625		
9,300.0	7,500.0	9,266.9	7,500.0	42.6	38.4	-90.00	1,617.1	1,113.3	414.9	349.0	65.93	6.293		
9,400.0	7,500.0	9,366.9	7,500.0	43.8	39.8	-90.00	1,717.1	1,114.0	414.2	345.1	69.17	5.989		
9,500.0	7,500.0	9,466.9	7,500.0	45.1	41.3	-90.00	1,817.0	1,114.7	413.5	341.1	72.42	5.710		
9,600.0	7,500.0	9,566.9	7,500.0	46.4	42.7	-90.00	1,917.0	1,115.4	412.8	337.1	75.70	5.453		
9,700.0	7,500.0	9,666.9	7,500.0	47.8	44.2	-90.00	2,017.0	1,116.1	412.1	333.1	79.00	5.217		
9,800.0	7,500.0	9,766.9	7,500.0	49.1	45.7	-90.00	2,117.0	1,116.8	411.4	329.1	82.32	4.998		
9,900.0	7,500.0	9,866.9	7,500.0	50.5	47.2	-90.00	2,217.0	1,117.5	410.7	325.1	85.65	4.796		
10,000.0	7,500.0	9,966.9	7,500.0	51.9	48.7	-90.00	2,317.0	1,118.2	410.0	321.0	88.99	4.608		
10,100.0	7,500.0	10,066.9	7,500.0	53.4	50.2	-90.00	2,417.0	1,118.9	409.3	317.0	92.35	4.432		
10,200.0	7,500.0	10,166.9	7,500.0	54.8	51.8	-90.00	2,517.0	1,119.6	408.6	312.9	95.72	4.269		
10,300.0	7,500.0	10,268.2	7,500.0	56.3	53.4	-90.00	2,618.3	1,120.3	407.9	308.7	99.25	4.110		
10,400.0	7,500.0	10,375.8	7,500.0	57.8	55.1	-90.00	2,725.9	1,122.4	406.0	302.4	103.57	3.920		
10,500.0	7,500.0	10,483.3	7,500.0	59.3	56.8	-90.00	2,833.3	1,126.5	402.1	294.3	107.86	3.728		
10,600.0	7,500.0	10,584.3	7,500.0	60.8	58.4	-90.00	2,934.2	1,131.6	397.1	285.7	111.39	3.565		
10,700.0	7,500.0	10,684.2	7,500.0	62.3	60.1	-90.00	3,033.9	1,136.6	392.1	277.3	114.80	3.416		
10,800.0	7,500.0	10,784.0	7,500.0	63.9	61.7	-90.00	3,133.6	1,141.6	387.1	268.8	118.21	3.274		
10,900.0	7,500.0	10,883.9	7,500.0	65.4	63.3	-90.00	3,233.4	1,146.6	382.0	260.4	121.63	3.141		
11,000.0	7,500.0	10,983.8	7,500.0	67.0	65.0	-90.00	3,333.1	1,151.7	377.0	251.9	125.06	3.015		
11,100.0	7,500.0	11,083.7	7,500.0	68.6	66.6	-90.00	3,432.9	1,156.7	372.0	243.5	128.49	2.895		
11,200.0	7,500.0	11,183.5	7,500.0	70.1	68.3	-90.00	3,532.6	1,161.7	366.9	235.0	131.92	2.781		
11,300.0	7,500.0	11,283.4	7,500.0	71.7	70.0	-90.00	3,632.4	1,166.8	361.9	226.5	135.36	2.674		
11,400.0	7,500.0	11,383.3	7,500.0	73.3	71.6	-90.00	3,732.1	1,171.8	356.9	218.1	138.80	2.571		
11,500.0	7,500.0	11,483.1	7,500.0	74.9	73.3	-90.00	3,831.9	1,176.8	351.8	209.6	142.24	2.473		
11,600.0	7,500.0	11,583.0	7,500.0	76.5	75.0	-90.00	3,931.6	1,181.8	346.8	201.1	145.69	2.380		
11,700.0	7,500.0	11,682.9	7,500.0	78.1	76.7	-90.00	4,031.4	1,186.9	341.8	192.6	149.14	2.291		
11,800.0	7,500.0	11,782.8	7,500.0	79.8	78.3	-90.00	4,131.1	1,191.9	336.7	184.1	152.59	2.207		
11,900.0	7,500.0	11,882.6	7,500.0	81.4	80.0	-90.00	4,230.9	1,196.9	331.7	175.6	156.05	2.126		
11,939.2	7,500.0	11,907.9	7,500.0	82.0	80.4	-90.00	4,256.0	1,198.2	330.0	174.6	155.37	2.124 SF		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4U-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	-89.90	0.0	-10.1	10.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.90	0.0	-10.1	10.1	9.8	0.30	33.947		
200.0	200.0	200.0	200.0	0.3	0.3	-89.90	0.0	-10.1	10.1	9.4	0.65	15.597		
209.8	209.8	209.8	209.8	0.3	0.3	-90.00	0.0	-10.1	10.1	9.4	0.68	14.805 CC		
250.0	250.0	250.0	250.0	0.4	0.4	-92.38	-0.4	-10.1	10.1	9.3	0.82	12.262		
300.0	300.0	300.0	300.0	0.5	0.5	82.69	-1.7	-10.1	10.2	9.2	1.00	10.168		
400.0	399.9	399.9	399.7	0.7	0.7	73.23	-7.0	-10.1	10.5	9.1	1.37	7.658 ES		
500.0	499.8	500.0	499.6	0.9	0.9	83.35	-13.9	-9.2	11.1	9.4	1.76	6.319		
600.0	599.6	600.2	599.5	1.1	1.1	91.82	-20.7	-6.6	11.9	9.7	2.16	5.511		
700.0	699.4	700.4	699.4	1.3	1.3	97.60	-27.3	-2.2	12.8	10.2	2.57	4.964		
800.0	799.1	800.6	799.2	1.5	1.5	101.22	-33.9	3.9	13.7	10.7	3.01	4.552		
900.0	898.6	900.7	898.8	1.7	1.8	103.44	-40.2	11.7	14.6	11.1	3.47	4.216		
1,000.0	998.0	1,000.9	998.4	1.9	2.0	104.82	-46.5	21.3	15.5	11.6	3.96	3.923		
1,100.0	1,097.3	1,101.1	1,097.7	2.2	2.3	105.70	-52.6	32.7	16.4	11.9	4.48	3.658		
1,200.0	1,196.3	1,201.3	1,196.9	2.5	2.6	106.30	-58.6	45.7	17.2	12.2	5.05	3.411		
1,300.0	1,295.1	1,301.5	1,295.8	2.8	2.9	106.74	-64.4	60.5	18.0	12.3	5.65	3.179		
1,400.0	1,393.6	1,401.7	1,394.5	3.1	3.2	107.09	-70.1	77.0	18.7	12.4	6.31	2.960		
1,500.0	1,491.8	1,501.9	1,492.8	3.5	3.6	107.41	-75.6	95.3	19.3	12.3	7.01	2.752		
1,600.0	1,589.7	1,602.1	1,590.9	3.8	3.9	107.72	-81.0	115.2	19.8	12.1	7.76	2.554		
1,700.0	1,687.2	1,702.1	1,688.5	4.2	4.3	109.76	-86.3	136.1	20.7	12.2	8.54	2.427		
1,735.7	1,721.9	1,737.7	1,723.3	4.4	4.5	111.38	-88.2	143.6	21.3	12.5	8.81	2.415		
1,800.0	1,784.4	1,802.1	1,786.1	4.7	4.7	113.94	-91.6	157.0	22.4	13.1	9.28	2.416		
1,900.0	1,881.6	1,902.0	1,883.8	5.1	5.1	117.44	-96.9	177.9	24.3	14.3	9.98	2.432		
2,000.0	1,978.8	2,002.0	1,981.4	5.5	5.5	120.43	-102.1	198.8	26.2	15.6	10.65	2.461		
2,100.0	2,075.9	2,102.0	2,079.0	6.0	5.9	123.00	-107.4	219.7	28.2	16.9	11.30	2.497		
2,200.0	2,173.1	2,202.0	2,176.6	6.4	6.3	125.23	-112.7	240.5	30.3	18.3	11.92	2.538		
2,300.0	2,270.3	2,301.9	2,274.3	6.8	6.7	127.18	-118.0	261.4	32.3	19.8	12.53	2.582		
2,400.0	2,367.5	2,401.9	2,371.9	7.3	7.1	128.88	-123.3	282.3	34.5	21.3	13.12	2.627		
2,500.0	2,464.7	2,501.9	2,469.5	7.7	7.6	130.39	-128.6	303.2	36.6	22.9	13.70	2.672		
2,600.0	2,561.9	2,601.8	2,567.1	8.2	8.0	131.73	-133.9	324.1	38.8	24.5	14.27	2.717		
2,700.0	2,659.1	2,701.8	2,664.8	8.6	8.4	132.93	-139.1	345.0	41.0	26.1	14.84	2.761		
2,800.0	2,756.2	2,801.8	2,762.4	9.1	8.8	134.01	-144.4	365.9	43.2	27.8	15.40	2.804		
2,900.0	2,853.4	2,901.8	2,860.0	9.5	9.2	134.98	-149.7	386.7	45.4	29.4	15.95	2.846		
3,000.0	2,950.6	3,001.7	2,957.6	10.0	9.6	135.86	-155.0	407.6	47.6	31.1	16.50	2.886		
3,100.0	3,047.8	3,101.7	3,055.3	10.4	10.0	136.66	-160.3	428.5	49.9	32.8	17.04	2.925		
3,200.0	3,145.0	3,201.7	3,152.9	10.9	10.5	137.39	-165.6	449.4	52.1	34.5	17.59	2.963		
3,300.0	3,242.2	3,301.7	3,250.5	11.3	10.9	138.06	-170.9	470.3	54.4	36.2	18.12	2.999		
3,400.0	3,339.4	3,401.6	3,348.1	11.8	11.3	138.68	-176.2	491.2	56.6	38.0	18.66	3.034		
3,500.0	3,436.5	3,501.6	3,445.7	12.2	11.7	139.25	-181.4	512.1	58.9	39.7	19.20	3.068		
3,600.0	3,533.7	3,601.6	3,543.4	12.7	12.1	139.78	-186.7	532.9	61.2	41.4	19.73	3.101		
3,700.0	3,630.9	3,701.5	3,641.0	13.1	12.6	140.27	-192.0	553.8	63.5	43.2	20.26	3.132		
3,800.0	3,728.1	3,801.5	3,738.6	13.6	13.0	140.73	-197.3	574.7	65.7	44.9	20.79	3.162		
3,900.0	3,825.3	3,901.5	3,836.2	14.0	13.4	141.15	-202.6	595.6	68.0	46.7	21.32	3.190		
4,000.0	3,922.5	4,001.5	3,933.9	14.5	13.8	141.55	-207.9	616.5	70.3	48.5	21.85	3.218		
4,100.0	4,019.6	4,101.4	4,031.5	14.9	14.2	141.92	-213.2	637.4	72.6	50.2	22.38	3.245		
4,200.0	4,116.8	4,201.4	4,129.1	15.4	14.6	142.27	-218.4	658.3	74.9	52.0	22.90	3.271		
4,300.0	4,214.0	4,301.4	4,226.7	15.8	15.1	142.60	-223.7	679.1	77.2	53.8	23.43	3.295		
4,400.0	4,311.2	4,401.4	4,324.4	16.3	15.5	142.91	-229.0	700.0	79.5	55.6	23.95	3.319		
4,500.0	4,408.4	4,501.3	4,422.0	16.7	15.9	143.20	-234.3	720.9	81.8	57.3	24.48	3.342		
4,600.0	4,505.6	4,601.3	4,519.6	17.2	16.3	143.48	-239.6	741.8	84.1	59.1	25.00	3.365		
4,700.0	4,602.8	4,701.3	4,617.2	17.7	16.7	143.74	-244.9	762.7	86.4	60.9	25.52	3.386		
4,800.0	4,699.9	4,801.2	4,714.9	18.1	17.2	143.99	-250.2	783.6	88.7	62.7	26.05	3.407		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4U-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
4,900.0	4,797.1	4,901.2	4,812.5	18.6	17.6	144.23	-255.4	804.5	91.0	64.5	26.57	3.427		
5,000.0	4,894.3	5,001.2	4,910.1	19.0	18.0	144.45	-260.7	825.3	93.4	66.3	27.09	3.446		
5,100.0	4,991.5	5,101.2	5,007.7	19.5	18.4	144.66	-266.0	846.2	95.7	68.1	27.61	3.465		
5,200.0	5,088.7	5,201.1	5,105.3	19.9	18.8	144.87	-271.3	867.1	98.0	69.9	28.14	3.483		
5,300.0	5,185.9	5,301.1	5,203.0	20.4	19.3	145.06	-276.6	888.0	100.3	71.7	28.66	3.500		
5,400.0	5,283.0	5,401.1	5,300.6	20.8	19.7	145.24	-281.9	908.9	102.6	73.4	29.18	3.517		
5,500.0	5,380.2	5,501.1	5,398.2	21.3	20.1	145.42	-287.2	929.8	104.9	75.2	29.70	3.534		
5,600.0	5,477.4	5,601.0	5,495.8	21.8	20.5	145.59	-292.4	950.7	107.3	77.0	30.22	3.550		
5,700.0	5,574.6	5,701.0	5,593.5	22.2	20.9	145.75	-297.7	971.5	109.6	78.8	30.74	3.565		
5,800.0	5,671.8	5,801.0	5,691.1	22.7	21.4	145.91	-303.0	992.4	111.9	80.6	31.26	3.580		
5,900.0	5,769.0	5,900.9	5,788.7	23.1	21.8	146.06	-308.3	1,013.3	114.2	82.5	31.78	3.594		
6,000.0	5,866.2	6,000.9	5,886.3	23.6	22.2	146.20	-313.6	1,034.2	116.6	84.3	32.30	3.609		
6,100.0	5,963.3	6,100.9	5,984.0	24.0	22.6	146.34	-318.9	1,055.1	118.9	86.1	32.82	3.622		
6,200.0	6,060.5	6,200.9	6,081.6	24.5	23.0	146.47	-324.2	1,076.0	121.2	87.9	33.34	3.635		
6,300.0	6,157.7	6,300.8	6,179.2	24.9	23.5	146.60	-329.4	1,096.9	123.5	89.7	33.86	3.648		
6,400.0	6,254.9	6,400.8	6,276.8	25.4	23.9	146.72	-334.7	1,117.7	125.9	91.5	34.38	3.661		
6,500.0	6,352.1	6,500.8	6,374.5	25.9	24.3	146.84	-340.0	1,138.6	128.2	93.3	34.90	3.673		
6,600.0	6,449.3	6,600.8	6,472.1	26.3	24.7	146.95	-345.3	1,159.5	130.5	95.1	35.42	3.685		
6,700.0	6,546.4	6,700.7	6,569.7	26.8	25.2	147.06	-350.6	1,180.4	132.8	96.9	35.94	3.696		
6,800.0	6,643.6	6,800.7	6,667.3	27.2	25.6	147.17	-355.9	1,201.3	135.2	98.7	36.45	3.708		
6,900.0	6,740.8	6,900.9	6,765.2	27.7	26.0	147.27	-361.2	1,222.2	137.5	100.5	36.97	3.719		
6,930.8	6,770.8	6,934.0	6,797.5	27.8	26.1	147.66	-362.0	1,229.1	137.9	101.0	36.92	3.735		
6,950.0	6,789.4	6,954.6	6,817.6	27.9	26.2	154.41	-361.8	1,233.4	138.0	101.2	36.77	3.753		
7,000.0	6,838.0	7,008.0	6,869.8	28.1	26.4	172.26	-358.3	1,244.6	138.2	102.0	36.20	3.818		
7,050.0	6,886.5	7,061.3	6,921.4	28.3	26.6	-171.62	-351.0	1,255.6	138.5	103.0	35.45	3.905		
7,100.0	6,934.6	7,114.3	6,972.1	28.5	26.7	-158.53	-339.8	1,266.4	138.7	104.1	34.54	4.014		
7,150.0	6,982.0	7,167.1	7,021.6	28.7	26.9	-148.31	-324.9	1,276.9	138.9	105.4	33.52	4.144		
7,200.0	7,028.5	7,219.6	7,069.6	28.8	27.0	-140.30	-306.4	1,287.1	139.2	106.7	32.43	4.292		
7,250.0	7,074.0	7,271.8	7,116.0	29.0	27.1	-133.86	-284.5	1,296.9	139.4	108.1	31.31	4.454		
7,300.0	7,118.1	7,323.8	7,160.5	29.1	27.2	-128.53	-259.4	1,306.4	139.8	109.6	30.22	4.626		
7,350.0	7,160.7	7,375.5	7,202.8	29.3	27.3	-123.99	-231.1	1,315.3	140.2	111.0	29.21	4.799		
7,400.0	7,201.5	7,426.9	7,242.8	29.4	27.4	-120.03	-200.0	1,323.8	140.6	112.3	28.33	4.964		
7,450.0	7,240.4	7,478.0	7,280.4	29.5	27.5	-116.49	-166.3	1,331.7	141.1	113.5	27.62	5.110		
7,500.0	7,277.2	7,528.8	7,315.3	29.6	27.6	-113.29	-130.1	1,339.0	141.7	114.6	27.10	5.228		
7,550.0	7,311.7	7,579.3	7,347.4	29.8	27.7	-110.36	-91.7	1,345.7	142.4	115.5	26.81	5.310		
7,600.0	7,343.7	7,629.6	7,376.6	29.9	27.8	-107.66	-51.3	1,351.8	143.1	116.3	26.72	5.354		
7,650.0	7,373.0	7,679.5	7,402.9	30.0	27.9	-105.15	-9.2	1,357.3	143.8	117.0	26.83	5.361		
7,700.0	7,399.6	7,729.2	7,426.1	30.2	28.0	-102.81	34.5	1,362.1	144.7	117.6	27.11	5.337		
7,750.0	7,423.3	7,778.6	7,446.2	30.3	28.2	-100.62	79.4	1,366.3	145.5	118.0	27.52	5.289		
7,800.0	7,444.0	7,827.7	7,463.1	30.5	28.3	-98.59	125.4	1,369.7	146.5	118.4	28.02	5.227		
7,850.0	7,461.5	7,876.6	7,476.9	30.7	28.5	-96.69	172.2	1,372.5	147.4	118.8	28.58	5.157		
7,900.0	7,475.8	7,925.2	7,487.4	30.9	28.6	-94.93	219.6	1,374.6	148.3	119.2	29.17	5.085		
7,950.0	7,486.9	7,973.6	7,494.8	31.1	28.8	-93.30	267.4	1,376.0	149.3	119.5	29.77	5.016		
8,000.0	7,494.6	8,021.8	7,498.9	31.3	29.0	-91.80	315.4	1,376.7	150.3	119.9	30.34	4.953		
8,050.0	7,499.0	8,070.1	7,500.0	31.5	29.2	-90.44	363.7	1,376.8	151.2	120.2	30.93	4.887		
8,089.2	7,500.0	8,109.2	7,500.0	31.7	29.4	-90.00	402.8	1,376.6	151.6	119.9	31.65	4.788		
8,100.0	7,500.0	8,120.1	7,500.0	31.7	29.5	-90.00	413.6	1,376.6	151.6	119.7	31.87	4.757		
8,200.0	7,500.0	8,220.1	7,500.0	32.3	30.1	-90.00	513.6	1,376.2	151.9	118.0	33.95	4.475		
8,300.0	7,500.0	8,320.1	7,500.0	32.9	30.7	-90.00	613.6	1,375.9	152.3	116.0	36.26	4.200		
8,400.0	7,500.0	8,420.1	7,500.0	33.6	31.4	-90.00	713.6	1,375.5	152.6	113.9	38.75	3.940		
8,500.0	7,500.0	8,520.1	7,500.0	34.3	32.3	-90.00	813.6	1,375.2	153.0	111.6	41.38	3.697		
8,600.0	7,500.0	8,620.1	7,500.0	35.2	33.1	-90.00	913.6	1,374.8	153.3	109.2	44.14	3.474		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft	
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4U-32H-O268 - OH - PLAN #1													Offset Well Error:		0.0 ft
Survey Program: 0-Geolink MWD															
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	7,500.0	8,720.1	7,500.0	36.1	34.1	-90.00	1,013.6	1,374.5	153.7	106.7	46.99	3.270			
8,800.0	7,500.0	8,820.1	7,500.0	37.0	35.1	-90.00	1,113.6	1,374.2	154.0	104.1	49.94	3.085			
8,900.0	7,500.0	8,920.1	7,500.0	38.0	36.2	-90.00	1,213.6	1,373.8	154.4	101.4	52.94	2.916			
9,000.0	7,500.0	9,020.1	7,500.0	39.1	37.3	-90.00	1,313.6	1,373.5	154.7	98.7	56.01	2.763			
9,100.0	7,500.0	9,120.1	7,500.0	40.2	38.5	-90.00	1,413.6	1,373.1	155.1	96.0	59.13	2.623			
9,200.0	7,500.0	9,220.1	7,500.0	41.4	39.7	-90.00	1,513.6	1,372.8	155.4	93.1	62.29	2.495			
9,300.0	7,500.0	9,320.1	7,500.0	42.6	41.0	-90.00	1,613.6	1,372.4	155.8	90.3	65.48	2.379			
9,400.0	7,500.0	9,420.1	7,500.0	43.8	42.3	-90.00	1,713.6	1,372.1	156.1	87.4	68.71	2.272			
9,500.0	7,500.0	9,520.1	7,500.0	45.1	43.6	-90.00	1,813.6	1,371.7	156.5	84.5	71.96	2.175			
9,600.0	7,500.0	9,620.1	7,500.0	46.4	44.9	-90.00	1,913.6	1,371.4	156.8	81.6	75.23	2.085			
9,700.0	7,500.0	9,720.1	7,500.0	47.8	46.3	-90.00	2,013.6	1,371.0	157.2	78.7	78.53	2.002			
9,800.0	7,500.0	9,820.1	7,500.0	49.1	47.7	-90.00	2,113.6	1,370.7	157.5	75.7	81.84	1.925			
9,900.0	7,500.0	9,920.1	7,500.0	50.5	49.2	-90.00	2,213.6	1,370.3	157.9	72.7	85.17	1.854			
10,000.0	7,500.0	10,020.1	7,500.0	51.9	50.6	-90.00	2,313.6	1,370.0	158.2	69.7	88.51	1.788			
10,100.0	7,500.0	10,120.1	7,500.0	53.4	52.1	-90.00	2,413.6	1,369.6	158.6	66.7	91.86	1.726			
10,200.0	7,500.0	10,220.1	7,500.0	54.8	53.6	-90.00	2,513.6	1,369.3	158.9	63.7	95.23	1.669			
10,300.0	7,500.0	10,320.1	7,500.0	56.3	55.1	-90.00	2,613.6	1,368.9	159.3	60.7	98.60	1.615			
10,400.0	7,500.0	10,420.0	7,500.0	57.8	56.6	-90.00	2,713.6	1,368.6	159.6	57.6	101.99	1.565			
10,500.0	7,500.0	10,520.0	7,500.0	59.3	58.1	-90.00	2,813.6	1,368.2	160.0	54.6	105.38	1.518			
10,600.0	7,500.0	10,620.0	7,500.0	60.8	59.7	-90.00	2,913.6	1,367.9	160.3	51.5	108.78	1.474	Level 3		
10,700.0	7,500.0	10,720.0	7,500.0	62.3	61.2	-90.00	3,013.6	1,367.5	160.7	48.5	112.19	1.432	Level 3		
10,800.0	7,500.0	10,820.0	7,500.0	63.9	62.8	-90.00	3,113.6	1,367.2	161.0	45.4	115.60	1.393	Level 3		
10,900.0	7,500.0	10,920.0	7,500.0	65.4	64.4	-90.00	3,213.6	1,366.8	161.4	42.4	119.02	1.356	Level 3		
11,000.0	7,500.0	11,020.0	7,500.0	67.0	65.9	-90.00	3,313.6	1,366.5	161.7	39.3	122.44	1.321	Level 3		
11,100.0	7,500.0	11,120.0	7,500.0	68.6	67.5	-90.00	3,413.6	1,366.1	162.1	36.2	125.87	1.288	Level 3		
11,200.0	7,500.0	11,220.0	7,500.0	70.1	69.1	-90.00	3,513.6	1,365.8	162.4	33.1	129.30	1.256	Level 3		
11,300.0	7,500.0	11,320.0	7,500.0	71.7	70.7	-90.00	3,613.6	1,365.4	162.8	30.0	132.73	1.226	Level 2		
11,400.0	7,500.0	11,420.0	7,500.0	73.3	72.4	-90.00	3,713.6	1,365.1	163.1	26.9	136.17	1.198	Level 2		
11,500.0	7,500.0	11,520.0	7,500.0	74.9	74.0	-90.00	3,813.6	1,364.7	163.5	23.8	139.62	1.171	Level 2		
11,600.0	7,500.0	11,620.0	7,500.0	76.5	75.6	-90.00	3,913.6	1,364.4	163.8	20.7	143.06	1.145	Level 2		
11,700.0	7,500.0	11,720.0	7,500.0	78.1	77.2	-90.00	4,013.6	1,364.0	164.2	17.6	146.51	1.120	Level 2		
11,800.0	7,500.0	11,820.0	7,500.0	79.8	78.9	-90.00	4,113.6	1,363.7	164.5	14.5	149.96	1.097	Level 2		
11,900.0	7,500.0	11,920.0	7,500.0	81.4	80.5	-90.00	4,213.6	1,363.3	164.9	11.4	153.42	1.075	Level 2		
11,939.2	7,500.0	11,959.2	7,500.0	82.0	81.2	-90.00	4,252.8	1,363.2	165.0	10.2	154.77	1.066	Level 2, SF		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4W-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	89.74	0.0	10.1	10.1					
100.0	100.0	100.0	100.0	0.1	0.1	89.74	0.0	10.1	10.1	9.8	0.30	33.948		
200.0	200.0	200.0	200.0	0.3	0.3	89.74	0.0	10.1	10.1	9.4	0.65	15.598	CC, ES	
250.0	250.0	249.9	249.9	0.4	0.4	89.86	0.0	10.3	10.3	9.5	0.82	12.546		
300.0	300.0	299.8	299.8	0.5	0.5	-92.07	0.0	10.9	10.9	10.0	0.99	11.005		
400.0	399.9	399.5	399.5	0.7	0.7	-104.95	-0.3	13.5	14.0	12.7	1.35	10.375		
500.0	499.8	499.1	498.9	0.9	0.9	-97.76	-0.7	17.8	19.0	17.3	1.72	11.051		
600.0	599.6	598.6	598.3	1.1	1.1	-88.40	-1.3	23.9	24.2	22.1	2.10	11.566		
700.0	699.4	698.1	697.5	1.3	1.3	-80.48	-2.0	31.6	29.5	27.1	2.49	11.858		
800.0	799.1	797.5	796.5	1.5	1.5	-74.44	-2.9	41.1	34.8	31.9	2.91	11.961		
900.0	898.6	896.9	895.2	1.7	1.8	-69.87	-4.0	52.2	39.9	36.6	3.35	11.919		
1,000.0	998.0	996.3	993.7	1.9	2.0	-66.33	-5.2	65.1	45.0	41.1	3.82	11.767		
1,100.0	1,097.3	1,095.6	1,092.0	2.2	2.3	-63.48	-6.6	79.6	49.8	45.5	4.32	11.538		
1,200.0	1,196.3	1,194.9	1,189.9	2.5	2.6	-61.13	-8.2	95.8	54.6	49.7	4.85	11.253		
1,300.0	1,295.1	1,294.1	1,287.5	2.8	3.0	-59.11	-9.9	113.7	59.1	53.7	5.41	10.932		
1,400.0	1,393.6	1,393.3	1,384.7	3.1	3.4	-57.34	-11.7	133.3	63.5	57.5	6.00	10.590		
1,500.0	1,491.8	1,492.5	1,481.5	3.5	3.8	-55.75	-13.8	154.6	67.8	61.2	6.62	10.236		
1,600.0	1,589.7	1,591.5	1,577.9	3.8	4.2	-54.29	-16.0	177.5	71.9	64.6	7.28	9.880		
1,700.0	1,687.2	1,690.6	1,673.8	4.2	4.7	-52.92	-18.3	202.0	75.8	67.9	7.96	9.526		
1,735.7	1,721.9	1,725.9	1,707.9	4.4	4.8	-52.46	-19.2	211.1	77.2	69.0	8.21	9.403		
1,800.0	1,784.4	1,789.6	1,769.3	4.7	5.2	-52.05	-20.8	228.2	79.9	71.2	8.65	9.232		
1,900.0	1,881.6	1,888.4	1,864.1	5.1	5.7	-50.79	-23.5	255.9	85.1	75.8	9.31	9.138		
2,000.0	1,978.8	1,987.4	1,958.6	5.5	6.2	-48.95	-26.3	285.3	91.5	81.6	9.92	9.228		
2,100.0	2,075.9	2,087.1	2,053.6	6.0	6.8	-47.17	-29.2	315.3	98.4	87.9	10.51	9.366		
2,200.0	2,173.1	2,186.8	2,148.7	6.4	7.3	-45.62	-32.0	345.4	105.3	94.3	11.08	9.507		
2,300.0	2,270.3	2,286.6	2,243.7	6.8	7.9	-44.26	-34.9	375.4	112.3	100.7	11.64	9.648		
2,400.0	2,367.5	2,386.3	2,338.8	7.3	8.5	-43.07	-37.8	405.4	119.4	107.2	12.20	9.788		
2,500.0	2,464.7	2,486.0	2,433.8	7.7	9.0	-42.01	-40.6	435.4	126.5	113.8	12.75	9.924		
2,600.0	2,561.9	2,585.7	2,528.9	8.2	9.6	-41.06	-43.5	465.5	133.7	120.4	13.29	10.057		
2,700.0	2,659.1	2,685.5	2,623.9	8.6	10.2	-40.20	-46.4	495.5	140.8	127.0	13.83	10.185		
2,800.0	2,756.2	2,785.2	2,719.0	9.1	10.7	-39.43	-49.3	525.5	148.1	133.7	14.36	10.308		
2,900.0	2,853.4	2,884.9	2,814.0	9.5	11.3	-38.74	-52.1	555.5	155.3	140.4	14.89	10.427		
3,000.0	2,950.6	2,984.6	2,909.1	10.0	11.9	-38.10	-55.0	585.6	162.5	147.1	15.42	10.541		
3,100.0	3,047.8	3,084.3	3,004.1	10.4	12.4	-37.52	-57.9	615.6	169.8	153.9	15.95	10.650		
3,200.0	3,145.0	3,184.1	3,099.2	10.9	13.0	-36.98	-60.7	645.6	177.1	160.6	16.47	10.755		
3,300.0	3,242.2	3,283.8	3,194.2	11.3	13.6	-36.49	-63.6	675.6	184.4	167.4	16.99	10.856		
3,400.0	3,339.4	3,383.5	3,289.3	11.8	14.2	-36.04	-66.5	705.6	191.7	174.2	17.51	10.952		
3,500.0	3,436.5	3,483.2	3,384.3	12.2	14.7	-35.62	-69.4	735.7	199.1	181.0	18.02	11.044		
3,600.0	3,533.7	3,582.9	3,479.4	12.7	15.3	-35.23	-72.2	765.7	206.4	187.9	18.54	11.133		
3,700.0	3,630.9	3,682.7	3,574.4	13.1	15.9	-34.86	-75.1	795.7	213.7	194.7	19.05	11.218		
3,800.0	3,728.1	3,782.4	3,669.5	13.6	16.5	-34.52	-78.0	825.7	221.1	201.5	19.57	11.300		
3,900.0	3,825.3	3,882.1	3,764.5	14.0	17.0	-34.21	-80.8	855.8	228.5	208.4	20.08	11.378		
4,000.0	3,922.5	3,981.8	3,859.6	14.5	17.6	-33.91	-83.7	885.8	235.8	215.2	20.59	11.453		
4,100.0	4,019.6	4,081.5	3,954.6	14.9	18.2	-33.63	-86.6	915.8	243.2	222.1	21.10	11.526		
4,200.0	4,116.8	4,181.3	4,049.7	15.4	18.7	-33.36	-89.5	945.8	250.6	229.0	21.61	11.595		
4,300.0	4,214.0	4,281.0	4,144.7	15.8	19.3	-33.12	-92.3	975.9	258.0	235.8	22.12	11.662		
4,400.0	4,311.2	4,380.7	4,239.8	16.3	19.9	-32.88	-95.2	1,005.9	265.3	242.7	22.63	11.726		
4,500.0	4,408.4	4,480.4	4,334.8	16.7	20.5	-32.66	-98.1	1,035.9	272.7	249.6	23.14	11.788		
4,600.0	4,505.6	4,580.2	4,429.9	17.2	21.0	-32.45	-100.9	1,065.9	280.1	256.5	23.64	11.848		
4,700.0	4,602.8	4,679.9	4,524.9	17.7	21.6	-32.25	-103.8	1,096.0	287.5	263.4	24.15	11.906		
4,800.0	4,699.9	4,779.6	4,620.0	18.1	22.2	-32.06	-106.7	1,126.0	294.9	270.3	24.66	11.961		
4,900.0	4,797.1	4,879.3	4,715.0	18.6	22.8	-31.88	-109.6	1,156.0	302.3	277.2	25.16	12.015		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4W-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
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	
5,000.0	4,894.3	4,979.0	4,810.1	19.0	23.3	-31.71	-112.4	1,186.0	309.7	284.1	25.67	12.067		
5,100.0	4,991.5	5,078.8	4,905.1	19.5	23.9	-31.55	-115.3	1,216.1	317.2	291.0	26.18	12.117		
5,200.0	5,088.7	5,178.5	5,000.2	19.9	24.5	-31.39	-118.2	1,246.1	324.6	297.9	26.68	12.165		
5,300.0	5,185.9	5,278.2	5,095.2	20.4	25.1	-31.24	-121.0	1,276.1	332.0	304.8	27.19	12.212		
5,400.0	5,283.0	5,377.9	5,190.3	20.8	25.6	-31.10	-123.9	1,306.1	339.4	311.7	27.69	12.257		
5,500.0	5,380.2	5,477.6	5,285.3	21.3	26.2	-30.96	-126.8	1,336.2	346.8	318.6	28.19	12.301		
5,600.0	5,477.4	5,577.4	5,380.4	21.8	26.8	-30.83	-129.7	1,366.2	354.3	325.6	28.70	12.344		
5,700.0	5,574.6	5,677.1	5,475.4	22.2	27.4	-30.71	-132.5	1,396.2	361.7	332.5	29.20	12.385		
5,800.0	5,671.8	5,776.8	5,570.5	22.7	27.9	-30.59	-135.4	1,426.2	369.1	339.4	29.71	12.425		
5,900.0	5,769.0	5,876.5	5,665.5	23.1	28.5	-30.47	-138.3	1,456.3	376.5	346.3	30.21	12.463		
6,000.0	5,866.2	5,976.2	5,760.6	23.6	29.1	-30.36	-141.2	1,486.3	384.0	353.2	30.71	12.501		
6,100.0	5,963.3	6,076.0	5,855.6	24.0	29.7	-30.25	-144.0	1,516.3	391.4	360.2	31.22	12.537		
6,200.0	6,060.5	6,175.7	5,950.7	24.5	30.2	-30.15	-146.9	1,546.3	398.8	367.1	31.72	12.573		
6,300.0	6,157.7	6,275.4	6,045.7	24.9	30.8	-30.05	-149.8	1,576.4	406.3	374.0	32.22	12.607		
6,400.0	6,254.9	6,375.1	6,140.8	25.4	31.4	-29.95	-152.6	1,606.4	413.7	381.0	32.73	12.641		
6,500.0	6,352.1	6,474.9	6,235.8	25.9	32.0	-29.86	-155.5	1,636.4	421.1	387.9	33.23	12.673		
6,600.0	6,449.3	6,574.6	6,330.9	26.3	32.5	-29.77	-158.4	1,666.4	428.6	394.8	33.73	12.705		
6,700.0	6,546.4	6,674.3	6,425.9	26.8	33.1	-29.69	-161.3	1,696.5	436.0	401.8	34.23	12.735		
6,800.0	6,643.6	6,774.0	6,521.0	27.2	33.7	-29.60	-164.1	1,726.5	443.4	408.7	34.74	12.765		
6,900.0	6,740.8	6,873.7	6,616.0	27.7	34.3	-29.52	-167.0	1,756.5	450.9	415.6	35.24	12.794		
6,930.8	6,770.8	6,904.5	6,645.3	27.8	34.5	-29.50	-167.9	1,765.8	453.2	417.8	35.39	12.803		
6,950.0	6,789.4	6,923.6	6,663.6	27.9	34.6	-23.24	-168.4	1,771.5	454.5	419.0	35.46	12.816		
7,000.0	6,838.0	6,973.4	6,711.0	28.1	34.9	-6.40	-169.9	1,786.5	457.3	421.8	35.42	12.910		
7,050.0	6,886.5	7,016.9	6,752.5	28.3	35.1	8.87	-170.3	1,799.6	459.3	424.2	35.06	13.098		
7,100.0	6,934.6	7,059.4	6,793.0	28.5	35.3	21.09	-168.1	1,812.3	461.0	426.5	34.56	13.341		
7,150.0	6,982.0	7,100.0	6,831.6	28.7	35.6	30.39	-163.8	1,824.3	462.6	428.7	33.89	13.650		
7,200.0	7,028.5	7,145.1	6,874.1	28.8	35.8	37.55	-156.2	1,837.4	464.0	430.8	33.19	13.978		
7,250.0	7,074.0	7,188.4	6,914.4	29.0	36.0	43.10	-146.4	1,849.7	465.1	432.8	32.37	14.369		
7,300.0	7,118.1	7,232.0	6,954.4	29.1	36.2	47.55	-133.9	1,861.9	466.2	434.7	31.50	14.799		
7,350.0	7,160.7	7,276.0	6,993.9	29.3	36.4	51.24	-118.8	1,873.8	467.0	436.4	30.60	15.259		
7,400.0	7,201.5	7,320.4	7,032.8	29.4	36.6	54.38	-101.0	1,885.4	467.7	438.0	29.72	15.735		
7,450.0	7,240.4	7,365.2	7,071.0	29.5	36.8	57.12	-80.5	1,896.7	468.2	439.4	28.89	16.207		
7,500.0	7,277.2	7,410.4	7,108.3	29.6	37.0	59.56	-57.3	1,907.7	468.7	440.5	28.15	16.649		
7,550.0	7,311.7	7,456.2	7,144.5	29.8	37.2	61.78	-31.5	1,918.2	469.0	441.5	27.52	17.040		
7,600.0	7,343.7	7,502.4	7,179.5	29.9	37.4	63.84	-2.9	1,928.2	469.2	442.1	27.10	17.315		
7,650.0	7,373.0	7,550.0	7,213.6	30.0	37.6	65.78	28.8	1,937.8	469.3	442.5	26.85	17.480		
7,650.0	7,373.1	7,550.0	7,213.6	30.0	37.6	65.78	28.8	1,937.8	469.3	442.5	26.85	17.480		
7,700.0	7,399.6	7,596.6	7,244.9	30.2	37.8	67.59	62.1	1,946.5	469.4	442.6	26.78	17.525		
7,750.0	7,423.3	7,644.6	7,275.1	30.3	38.0	69.32	98.6	1,954.7	469.3	442.4	26.93	17.425		
7,800.0	7,444.0	7,693.2	7,303.2	30.5	38.1	70.99	137.6	1,962.2	469.2	441.9	27.28	17.199		
7,850.0	7,461.5	7,742.5	7,329.0	30.7	38.3	72.59	179.0	1,968.9	469.1	441.3	27.80	16.872		
7,900.0	7,475.8	7,792.5	7,352.4	30.9	38.5	74.14	222.8	1,974.7	468.9	440.4	28.46	16.474		
7,950.0	7,486.9	7,843.3	7,373.2	31.1	38.7	75.63	268.9	1,979.7	468.6	439.4	29.22	16.037		
8,000.0	7,494.6	7,894.8	7,391.0	31.3	38.9	77.07	317.0	1,983.6	468.3	438.3	30.04	15.589		
8,050.0	7,499.0	7,947.1	7,405.7	31.5	39.1	78.46	367.2	1,986.5	467.9	437.0	30.88	15.152		
8,089.2	7,500.0	7,988.7	7,414.8	31.7	39.3	79.50	407.7	1,987.9	467.6	436.0	31.54	14.827		
8,100.0	7,500.0	8,000.3	7,417.0	31.7	39.4	79.77	419.0	1,988.2	467.5	435.8	31.71	14.743		
8,200.0	7,500.0	8,109.7	7,428.6	32.3	39.8	81.17	527.8	1,988.1	465.6	432.4	33.21	14.019		
8,300.0	7,500.0	8,212.1	7,429.0	32.9	40.3	81.16	630.1	1,984.6	462.2	427.0	35.23	13.120		
8,400.0	7,500.0	8,312.1	7,429.0	33.6	40.8	81.09	730.0	1,981.1	458.7	421.2	37.58	12.208		
8,500.0	7,500.0	8,412.0	7,429.0	34.3	41.4	81.02	829.9	1,977.6	455.3	415.2	40.09	11.358		
8,600.0	7,500.0	8,512.0	7,429.0	35.2	42.0	80.95	929.7	1,974.2	451.9	409.1	42.73	10.575		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

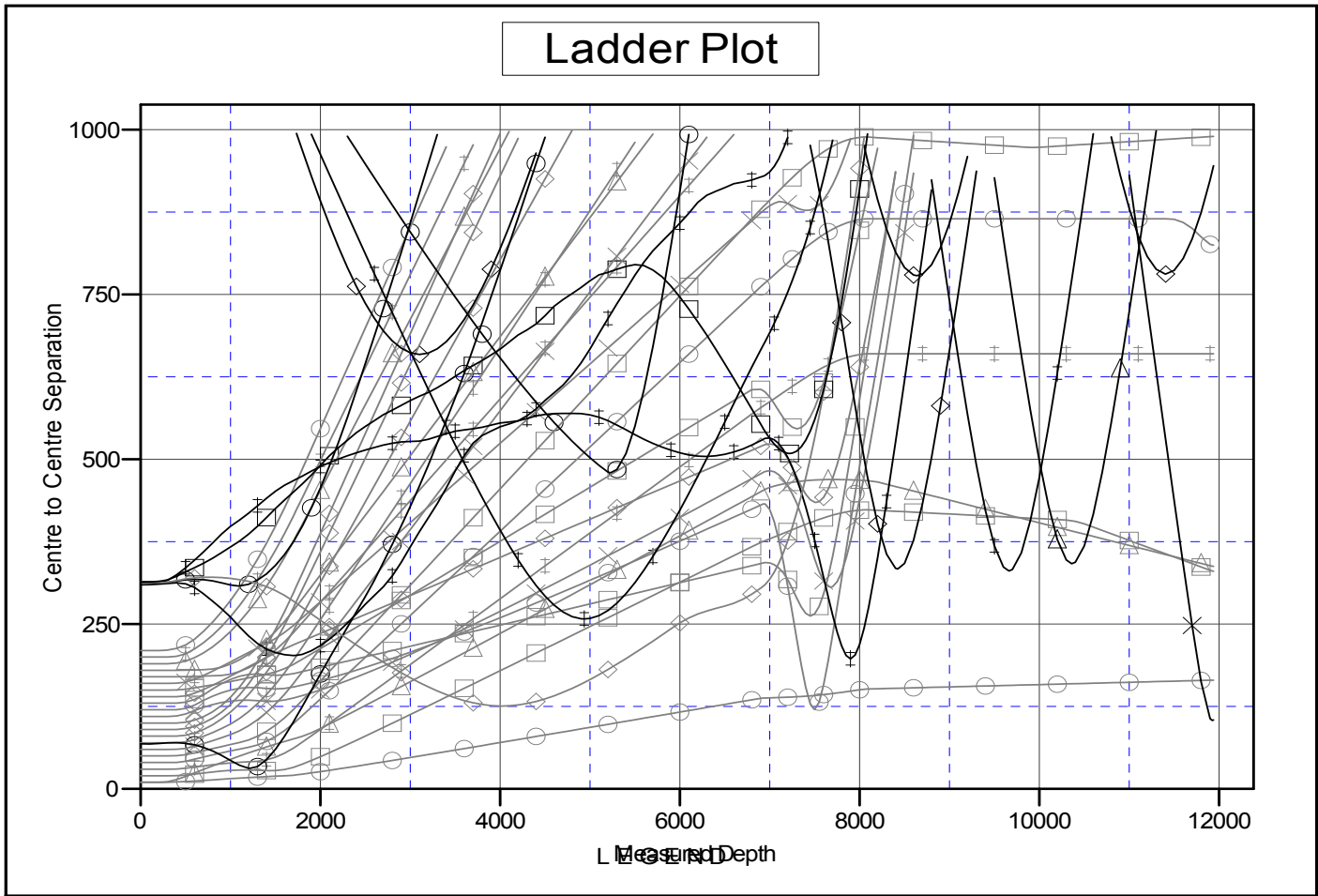
Offset Design													Offset Site Error:	0.0 ft
S32-T2N-R68W (File/Hwy 52) NEW - HWY 4W-32H-O268 - OH - PLAN #1													Offset Well Error:	0.0 ft
Survey Program: 0-Geolink MWD														
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured 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	7,500.0	8,611.9	7,429.0	36.1	42.7	80.88	1,029.6	1,970.7	448.4	402.9	45.48	9.859		
8,800.0	7,500.0	8,711.8	7,429.0	37.0	43.5	80.81	1,129.5	1,967.2	445.0	396.6	48.32	9.208		
8,900.0	7,500.0	8,811.8	7,429.0	38.0	44.3	80.74	1,229.4	1,963.7	441.5	390.3	51.24	8.617		
9,000.0	7,500.0	8,911.7	7,429.0	39.1	45.2	80.67	1,329.2	1,960.2	438.1	383.9	54.22	8.080		
9,100.0	7,500.0	9,011.6	7,429.0	40.2	46.1	80.59	1,429.1	1,956.7	434.6	377.4	57.24	7.592		
9,200.0	7,500.0	9,111.6	7,429.0	41.4	47.1	80.52	1,529.0	1,953.2	431.2	370.9	60.32	7.149		
9,300.0	7,500.0	9,211.5	7,429.0	42.6	48.1	80.44	1,628.9	1,949.7	427.7	364.3	63.43	6.744		
9,400.0	7,500.0	9,311.5	7,429.0	43.8	49.2	80.36	1,728.8	1,946.3	424.3	357.7	66.57	6.374		
9,500.0	7,500.0	9,411.4	7,429.0	45.1	50.3	80.28	1,828.6	1,942.8	420.9	351.1	69.74	6.035		
9,600.0	7,500.0	9,511.3	7,429.0	46.4	51.4	80.20	1,928.5	1,939.3	417.4	344.5	72.93	5.723		
9,700.0	7,500.0	9,611.3	7,429.0	47.8	52.6	80.12	2,028.4	1,935.8	414.0	337.8	76.14	5.437		
9,800.0	7,500.0	9,711.2	7,429.0	49.1	53.8	80.04	2,128.3	1,932.3	410.5	331.2	79.37	5.172		
9,900.0	7,500.0	9,811.2	7,429.0	50.5	55.0	79.95	2,228.2	1,928.8	407.1	324.5	82.62	4.928		
10,000.0	7,500.0	9,911.1	7,429.0	51.9	56.3	79.86	2,328.0	1,925.3	403.7	317.8	85.88	4.701		
10,100.0	7,500.0	10,011.0	7,429.0	53.4	57.6	79.78	2,427.9	1,921.8	400.2	311.1	89.14	4.490		
10,200.0	7,500.0	10,111.0	7,429.0	54.8	58.9	79.69	2,527.8	1,918.4	396.8	304.4	92.42	4.293		
10,300.0	7,500.0	10,210.9	7,429.0	56.3	60.2	79.60	2,627.7	1,914.9	393.4	297.7	95.71	4.110		
10,400.0	7,500.0	10,310.9	7,429.0	57.8	61.6	79.50	2,727.5	1,911.4	389.9	290.9	99.00	3.939		
10,500.0	7,500.0	10,410.8	7,429.0	59.3	63.0	79.41	2,827.4	1,907.9	386.5	284.2	102.30	3.778		
10,600.0	7,500.0	10,510.7	7,429.0	60.8	64.4	79.31	2,927.3	1,904.4	383.1	277.5	105.60	3.628		
10,700.0	7,500.0	10,610.7	7,429.0	62.3	65.8	79.22	3,027.2	1,900.9	379.7	270.7	108.91	3.486		
10,800.0	7,500.0	10,710.6	7,429.0	63.9	67.2	79.12	3,127.1	1,897.4	376.2	264.0	112.22	3.353		
10,900.0	7,500.0	10,810.5	7,429.0	65.4	68.6	79.01	3,226.9	1,893.9	372.8	257.3	115.53	3.227		
11,000.0	7,500.0	10,910.5	7,429.0	67.0	70.1	78.91	3,326.8	1,890.4	369.4	250.5	118.85	3.108		
11,100.0	7,500.0	11,010.4	7,429.0	68.6	71.6	78.81	3,426.7	1,887.0	365.9	243.8	122.17	2.995		
11,200.0	7,500.0	11,110.4	7,429.0	70.1	73.1	78.70	3,526.6	1,883.5	362.5	237.0	125.49	2.889		
11,300.0	7,500.0	11,210.3	7,429.0	71.7	74.6	78.59	3,626.4	1,880.0	359.1	230.3	128.81	2.788		
11,400.0	7,500.0	11,310.2	7,429.0	73.3	76.1	78.48	3,726.3	1,876.5	355.7	223.6	132.13	2.692		
11,500.0	7,500.0	11,410.2	7,429.0	74.9	77.6	78.37	3,826.2	1,873.0	352.3	216.8	135.44	2.601		
11,600.0	7,500.0	11,510.1	7,429.0	76.5	79.1	78.25	3,926.1	1,869.5	348.8	210.1	138.76	2.514		
11,700.0	7,500.0	11,610.1	7,429.0	78.1	80.7	78.13	4,026.0	1,866.0	345.4	203.4	142.08	2.431		
11,800.0	7,500.0	11,710.0	7,429.0	79.8	82.2	78.01	4,125.8	1,862.5	342.0	196.6	145.39	2.352		
11,900.0	7,500.0	11,809.9	7,429.0	81.4	83.8	77.89	4,225.7	1,859.1	338.6	189.9	148.70	2.277		
11,936.5	7,500.0	11,834.9	7,429.0	82.0	84.2	77.86	4,250.6	1,858.2	337.6	185.8	151.76	2.224		
11,939.2	7,500.0	11,834.9	7,429.0	82.0	84.2	77.86	4,250.6	1,858.2	337.6	185.3	152.26	2.217 SF		

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 HWY 4V-32H-O268
Project:	DJ Wattenberg	TVD Reference:	15' KB @ 5003.0ft
Reference Site:	S32-T2N-R68W (File/Hwy 52) NEW	MD Reference:	15' KB @ 5003.0ft
Site Error:	0.0ft	North Reference:	True
Reference Well:	HWY 4V-32H-O268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	PLAN #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to 15' KB @ 5003.0ft Offset Depths are relative to Offset Datum Central Meridian is -105.500000 °	Coordinates are relative to: HWY 4V-32H-O268 Coordinate System is US State Plane 1983, Colorado Northern Zone Grid Convergence at Surface is: 0.31°
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268, OH, PLAN#1 V0	◆ HWY 4N-32H-O268, OH, PLAN#1 V0	○ CANINO 1-X, ENCANA WELL, NO SURVEYS V0
268, OH, PLAN#1 V0	◆ HWY 4O-32H-O268, OH, PLAN#1 V0	◆ NELSON E UNIT 2, ENCANA, SURVEY
268, OH, PLAN#1 V0	✕ HWY 4P-32H-O268, OH, PLAN#1 V0	○ RAY NELSON 33-32, ENCANA WELLS
268, OH, PLAN#1 V0	□ HWY 4Q-32H-O268, OH, PLAN#1 V0	○ RAY NELSON 34-32, ENCANA WELLS
268, OH, PLAN#1 V0	○ HWY 4R-32H-O268, OH, PLAN#1 V0	◆ RAY NELSON 44-32, ENCANA WELLS
268, OH, PLAN#1 V0	◆ HWY 4S-32H-O268, OH, PLAN#1 V0	◆ RAY NELSON 4-8-32, ENCANA WELLS
268, OH, PLAN#1 V0	□ HWY 4T-32H-O268, OH, PLAN#1 V0	◆ RAY NELSON 6-8-32, ENCANA WELLS
268, OH, Plan#1 V0	○ HWY 4U-32H-O268, OH, PLAN#1 V0	◆ RAY NELSON 7-8-32, DD, Plan #1 V0
68, OH, PLAN#1 V0	△ HWY 4W-32H-O268, OH, PLAN#1 V0	◆ RAY NELSON 8-4-32, ENCANA WELLS
268, OH, PLAN#1 V0	✕ ANDERSON 41-32, ENCANA WELL, NO SURVEYS V0	◆ RAY NELSON 8-6-32, ENCANA WELLS
268, OH, PLAN#1 V0	△ ANDERSON TRUST 32-8, ENCANA WELL, NO SURVEYS V0	□ RAY NELSON 8-8-32, ENCANA WELLS

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