



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3E-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

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

Site		S32-T2N-R68W (File)			
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	File 3E-32H-K268					
Well Position	+N/-S	0.0 ft	Northing:	1,276,917.20 ft	Latitude:	40.092570
	+E/-W	0.0 ft	Easting:	3,131,188.56 ft	Longitude:	-105.031110
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,958.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/27/2013	8.71	66.69	52,726

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

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
872.5	2.73	292.98	872.4	2.5	-6.0	1.00	1.00	0.00	292.98	
6,801.8	2.73	292.98	6,795.0	112.6	-265.5	0.00	0.00	0.00	0.00	
7,712.4	90.00	180.00	7,378.0	-460.3	-291.0	10.00	9.58	-12.41	-112.96	
13,918.4	90.00	180.00	7,378.0	-6,666.3	-291.0	0.00	0.00	0.00	0.00	File 3E-32H-K268 PB

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Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
271.0	0.00	0.00	271.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	KOP @ 600'
700.0	1.00	292.98	700.0	0.3	-0.8	-0.3	1.00	1.00	
800.0	2.00	292.98	800.0	1.4	-3.2	-1.4	1.00	1.00	
872.5	2.73	292.98	872.4	2.5	-6.0	-2.5	1.00	1.00	EOB; Inc=2.73°
900.0	2.73	292.98	899.9	3.0	-7.2	-3.0	0.00	0.00	
1,000.0	2.73	292.98	999.8	4.9	-11.5	-4.9	0.00	0.00	
1,100.0	2.73	292.98	1,099.6	6.8	-15.9	-6.8	0.00	0.00	
1,200.0	2.73	292.98	1,199.5	8.6	-20.3	-8.6	0.00	0.00	
1,300.0	2.73	292.98	1,299.4	10.5	-24.7	-10.5	0.00	0.00	
1,400.0	2.73	292.98	1,399.3	12.3	-29.1	-12.3	0.00	0.00	
1,500.0	2.73	292.98	1,499.2	14.2	-33.4	-14.2	0.00	0.00	
1,600.0	2.73	292.98	1,599.1	16.0	-37.8	-16.0	0.00	0.00	
1,700.0	2.73	292.98	1,699.0	17.9	-42.2	-17.9	0.00	0.00	
1,800.0	2.73	292.98	1,798.8	19.7	-46.6	-19.7	0.00	0.00	
1,900.0	2.73	292.98	1,898.7	21.6	-50.9	-21.6	0.00	0.00	
2,000.0	2.73	292.98	1,998.6	23.5	-55.3	-23.5	0.00	0.00	
2,100.0	2.73	292.98	2,098.5	25.3	-59.7	-25.3	0.00	0.00	
2,200.0	2.73	292.98	2,198.4	27.2	-64.1	-27.2	0.00	0.00	
2,300.0	2.73	292.98	2,298.3	29.0	-68.4	-29.0	0.00	0.00	
2,400.0	2.73	292.98	2,398.2	30.9	-72.8	-30.9	0.00	0.00	
2,500.0	2.73	292.98	2,498.1	32.7	-77.2	-32.7	0.00	0.00	
2,600.0	2.73	292.98	2,597.9	34.6	-81.6	-34.6	0.00	0.00	
2,700.0	2.73	292.98	2,697.8	36.5	-86.0	-36.5	0.00	0.00	
2,800.0	2.73	292.98	2,797.7	38.3	-90.3	-38.3	0.00	0.00	
2,900.0	2.73	292.98	2,897.6	40.2	-94.7	-40.2	0.00	0.00	
3,000.0	2.73	292.98	2,997.5	42.0	-99.1	-42.0	0.00	0.00	
3,100.0	2.73	292.98	3,097.4	43.9	-103.5	-43.9	0.00	0.00	
3,200.0	2.73	292.98	3,197.3	45.7	-107.8	-45.7	0.00	0.00	
3,300.0	2.73	292.98	3,297.2	47.6	-112.2	-47.6	0.00	0.00	
3,400.0	2.73	292.98	3,397.0	49.4	-116.6	-49.4	0.00	0.00	
3,500.0	2.73	292.98	3,496.9	51.3	-121.0	-51.3	0.00	0.00	
3,600.0	2.73	292.98	3,596.8	53.2	-125.3	-53.2	0.00	0.00	
3,700.0	2.73	292.98	3,696.7	55.0	-129.7	-55.0	0.00	0.00	
3,800.0	2.73	292.98	3,796.6	56.9	-134.1	-56.9	0.00	0.00	
3,900.0	2.73	292.98	3,896.5	58.7	-138.5	-58.7	0.00	0.00	
4,000.0	2.73	292.98	3,996.4	60.6	-142.9	-60.6	0.00	0.00	
4,100.0	2.73	292.98	4,096.2	62.4	-147.2	-62.4	0.00	0.00	
4,200.0	2.73	292.98	4,196.1	64.3	-151.6	-64.3	0.00	0.00	
4,300.0	2.73	292.98	4,296.0	66.2	-156.0	-66.2	0.00	0.00	
4,331.0	2.73	292.98	4,327.0	66.7	-157.3	-66.7	0.00	0.00	Sussex
4,400.0	2.73	292.98	4,395.9	68.0	-160.4	-68.0	0.00	0.00	
4,500.0	2.73	292.98	4,495.8	69.9	-164.7	-69.9	0.00	0.00	
4,600.0	2.73	292.98	4,595.7	71.7	-169.1	-71.7	0.00	0.00	
4,612.3	2.73	292.98	4,608.0	71.9	-169.7	-71.9	0.00	0.00	Sussex Marker
4,700.0	2.73	292.98	4,695.6	73.6	-173.5	-73.6	0.00	0.00	

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Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,800.0	2.73	292.98	4,795.5	75.4	-177.9	-75.4	0.00	0.00	
4,900.0	2.73	292.98	4,895.3	77.3	-182.3	-77.3	0.00	0.00	
4,904.7	2.73	292.98	4,900.0	77.4	-182.5	-77.4	0.00	0.00	Shannon
5,000.0	2.73	292.98	4,995.2	79.1	-186.6	-79.1	0.00	0.00	
5,100.0	2.73	292.98	5,095.1	81.0	-191.0	-81.0	0.00	0.00	
5,200.0	2.73	292.98	5,195.0	82.9	-195.4	-82.9	0.00	0.00	
5,300.0	2.73	292.98	5,294.9	84.7	-199.8	-84.7	0.00	0.00	
5,400.0	2.73	292.98	5,394.8	86.6	-204.1	-86.6	0.00	0.00	
5,500.0	2.73	292.98	5,494.7	88.4	-208.5	-88.4	0.00	0.00	
5,600.0	2.73	292.98	5,594.6	90.3	-212.9	-90.3	0.00	0.00	
5,700.0	2.73	292.98	5,694.4	92.1	-217.3	-92.1	0.00	0.00	
5,800.0	2.73	292.98	5,794.3	94.0	-221.6	-94.0	0.00	0.00	
5,900.0	2.73	292.98	5,894.2	95.9	-226.0	-95.9	0.00	0.00	
6,000.0	2.73	292.98	5,994.1	97.7	-230.4	-97.7	0.00	0.00	
6,100.0	2.73	292.98	6,094.0	99.6	-234.8	-99.6	0.00	0.00	
6,200.0	2.73	292.98	6,193.9	101.4	-239.2	-101.4	0.00	0.00	
6,300.0	2.73	292.98	6,293.8	103.3	-243.5	-103.3	0.00	0.00	
6,400.0	2.73	292.98	6,393.6	105.1	-247.9	-105.1	0.00	0.00	
6,500.0	2.73	292.98	6,493.5	107.0	-252.3	-107.0	0.00	0.00	
6,600.0	2.73	292.98	6,593.4	108.8	-256.7	-108.8	0.00	0.00	
6,700.0	2.73	292.98	6,693.3	110.7	-261.0	-110.7	0.00	0.00	
6,800.0	2.73	292.98	6,793.2	112.6	-265.4	-112.6	0.00	0.00	
6,801.8	2.73	292.98	6,795.0	112.6	-265.5	-112.6	0.00	0.00	Start build/turn @ 6801' MD
6,806.8	2.57	282.58	6,800.0	112.7	-265.7	-112.7	10.00	-3.06	Teepee Buttes (*if present)
6,900.0	9.11	195.86	6,892.8	106.0	-269.8	-106.0	10.00	7.02	
7,000.0	18.92	187.34	6,989.7	82.3	-274.0	-82.3	10.00	9.81	
7,100.0	28.86	184.56	7,081.0	42.0	-278.0	-42.0	10.00	9.94	
7,200.0	38.83	183.12	7,163.9	-13.5	-281.7	13.5	10.00	9.97	
7,257.7	44.58	182.55	7,207.0	-51.8	-283.5	51.8	10.00	9.98	Sharon Springs
7,300.0	48.81	182.20	7,236.0	-82.6	-284.8	82.6	10.00	9.98	
7,400.0	58.79	181.52	7,295.0	-163.1	-287.4	163.1	10.00	9.99	
7,428.2	61.61	181.36	7,309.0	-187.6	-288.0	187.6	10.00	9.99	Niobrara
7,500.0	68.78	180.97	7,339.1	-252.7	-289.3	252.7	10.00	9.99	
7,600.0	78.77	180.50	7,367.0	-348.6	-290.6	348.6	10.00	9.99	
7,605.2	79.28	180.48	7,368.0	-353.6	-290.6	353.6	10.00	9.99	B Chalk
7,700.0	88.76	180.05	7,377.9	-447.9	-291.0	447.9	10.00	9.99	
7,712.4	90.00	180.00	7,378.0	-460.3	-291.0	460.3	10.00	9.99	LP @ 7378' TVD; 90°
7,800.0	90.00	180.00	7,378.0	-547.9	-291.0	547.9	0.00	0.00	
7,900.0	90.00	180.00	7,378.0	-647.9	-291.0	647.9	0.00	0.00	
8,000.0	90.00	180.00	7,378.0	-747.9	-291.0	747.9	0.00	0.00	
8,100.0	90.00	180.00	7,378.0	-847.9	-291.0	847.9	0.00	0.00	
8,200.0	90.00	180.00	7,378.0	-947.9	-291.0	947.9	0.00	0.00	
8,300.0	90.00	180.00	7,378.0	-1,047.9	-291.0	1,047.9	0.00	0.00	
8,400.0	90.00	180.00	7,378.0	-1,147.9	-291.0	1,147.9	0.00	0.00	
8,500.0	90.00	180.00	7,378.0	-1,247.9	-291.0	1,247.9	0.00	0.00	
8,600.0	90.00	180.00	7,378.0	-1,347.9	-291.0	1,347.9	0.00	0.00	
8,700.0	90.00	180.00	7,378.0	-1,447.9	-291.0	1,447.9	0.00	0.00	
8,800.0	90.00	180.00	7,378.0	-1,547.9	-291.0	1,547.9	0.00	0.00	
8,900.0	90.00	180.00	7,378.0	-1,647.9	-291.0	1,647.9	0.00	0.00	
9,000.0	90.00	180.00	7,378.0	-1,747.9	-291.0	1,747.9	0.00	0.00	
9,100.0	90.00	180.00	7,378.0	-1,847.9	-291.0	1,847.9	0.00	0.00	
9,200.0	90.00	180.00	7,378.0	-1,947.9	-291.0	1,947.9	0.00	0.00	

Planning Report

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Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,300.0	90.00	180.00	7,378.0	-2,047.9	-291.0	2,047.9	0.00	0.00	
9,400.0	90.00	180.00	7,378.0	-2,147.9	-291.0	2,147.9	0.00	0.00	
9,500.0	90.00	180.00	7,378.0	-2,247.9	-291.0	2,247.9	0.00	0.00	
9,600.0	90.00	180.00	7,378.0	-2,347.9	-291.0	2,347.9	0.00	0.00	
9,700.0	90.00	180.00	7,378.0	-2,447.9	-291.0	2,447.9	0.00	0.00	
9,800.0	90.00	180.00	7,378.0	-2,547.9	-291.0	2,547.9	0.00	0.00	
9,900.0	90.00	180.00	7,378.0	-2,647.9	-291.0	2,647.9	0.00	0.00	
10,000.0	90.00	180.00	7,378.0	-2,747.9	-291.0	2,747.9	0.00	0.00	
10,100.0	90.00	180.00	7,378.0	-2,847.9	-291.0	2,847.9	0.00	0.00	
10,200.0	90.00	180.00	7,378.0	-2,947.9	-291.0	2,947.9	0.00	0.00	
10,300.0	90.00	180.00	7,378.0	-3,047.9	-291.0	3,047.9	0.00	0.00	
10,400.0	90.00	180.00	7,378.0	-3,147.9	-291.0	3,147.9	0.00	0.00	
10,500.0	90.00	180.00	7,378.0	-3,247.9	-291.0	3,247.9	0.00	0.00	
10,600.0	90.00	180.00	7,378.0	-3,347.9	-291.0	3,347.9	0.00	0.00	
10,700.0	90.00	180.00	7,378.0	-3,447.9	-291.0	3,447.9	0.00	0.00	
10,800.0	90.00	180.00	7,378.0	-3,547.9	-291.0	3,547.9	0.00	0.00	
10,900.0	90.00	180.00	7,378.0	-3,647.9	-291.0	3,647.9	0.00	0.00	
11,000.0	90.00	180.00	7,378.0	-3,747.9	-291.0	3,747.9	0.00	0.00	
11,100.0	90.00	180.00	7,378.0	-3,847.9	-291.0	3,847.9	0.00	0.00	
11,200.0	90.00	180.00	7,378.0	-3,947.9	-291.0	3,947.9	0.00	0.00	
11,300.0	90.00	180.00	7,378.0	-4,047.9	-291.0	4,047.9	0.00	0.00	
11,400.0	90.00	180.00	7,378.0	-4,147.9	-291.0	4,147.9	0.00	0.00	
11,500.0	90.00	180.00	7,378.0	-4,247.9	-291.0	4,247.9	0.00	0.00	
11,600.0	90.00	180.00	7,378.0	-4,347.9	-291.0	4,347.9	0.00	0.00	
11,700.0	90.00	180.00	7,378.0	-4,447.9	-291.0	4,447.9	0.00	0.00	
11,800.0	90.00	180.00	7,378.0	-4,547.9	-291.0	4,547.9	0.00	0.00	
11,900.0	90.00	180.00	7,378.0	-4,647.9	-291.0	4,647.9	0.00	0.00	
12,000.0	90.00	180.00	7,378.0	-4,747.9	-291.0	4,747.9	0.00	0.00	
12,100.0	90.00	180.00	7,378.0	-4,847.9	-291.0	4,847.9	0.00	0.00	
12,200.0	90.00	180.00	7,378.0	-4,947.9	-291.0	4,947.9	0.00	0.00	
12,300.0	90.00	180.00	7,378.0	-5,047.9	-291.0	5,047.9	0.00	0.00	
12,400.0	90.00	180.00	7,378.0	-5,147.9	-291.0	5,147.9	0.00	0.00	
12,500.0	90.00	180.00	7,378.0	-5,247.9	-291.0	5,247.9	0.00	0.00	
12,600.0	90.00	180.00	7,378.0	-5,347.9	-291.0	5,347.9	0.00	0.00	
12,700.0	90.00	180.00	7,378.0	-5,447.9	-291.0	5,447.9	0.00	0.00	
12,800.0	90.00	180.00	7,378.0	-5,547.9	-291.0	5,547.9	0.00	0.00	
12,900.0	90.00	180.00	7,378.0	-5,647.9	-291.0	5,647.9	0.00	0.00	
13,000.0	90.00	180.00	7,378.0	-5,747.9	-291.0	5,747.9	0.00	0.00	
13,100.0	90.00	180.00	7,378.0	-5,847.9	-291.0	5,847.9	0.00	0.00	
13,200.0	90.00	180.00	7,378.0	-5,947.9	-291.0	5,947.9	0.00	0.00	
13,300.0	90.00	180.00	7,378.0	-6,047.9	-291.0	6,047.9	0.00	0.00	
13,400.0	90.00	180.00	7,378.0	-6,147.9	-291.0	6,147.9	0.00	0.00	
13,500.0	90.00	180.00	7,378.0	-6,247.9	-291.0	6,247.9	0.00	0.00	
13,600.0	90.00	180.00	7,378.0	-6,347.9	-291.0	6,347.9	0.00	0.00	
13,700.0	90.00	180.00	7,378.0	-6,447.9	-291.0	6,447.9	0.00	0.00	
13,800.0	90.00	180.00	7,378.0	-6,547.9	-291.0	6,547.9	0.00	0.00	
13,900.0	90.00	180.00	7,378.0	-6,647.9	-291.0	6,647.9	0.00	0.00	
13,918.4	90.00	180.00	7,378.0	-6,666.3	-291.0	6,666.3	0.00	0.00	TD at 13918.4

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well File 3E-32H-K268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site:	S32-T2N-R68W (File)	North Reference:	True
Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #1		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
File 3E-32H-K268 PBHL	0.00	0.00	7,378.0	-6,666.3	-291.0	1,270,249.48	3,130,932.77	40.074270	-105.032150
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
271.0	271.0	Fox Hills - BASE				
4,331.0	4,327.0	Sussex				
4,612.3	4,608.0	Sussex Marker				
4,904.7	4,900.0	Shannon				
6,806.8	6,800.0	Teepee Buttes (*if present)				
7,257.7	7,207.0	Sharon Springs				
7,428.2	7,309.0	Niobrara				
7,605.2	7,368.0	B Chalk				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
600.0	600.0	0.0	0.0	KOP @ 600'	
872.5	872.4	2.5	-6.0	EOB; Inc=2.73°	
6,801.8	6,795.0	112.6	-265.5	Start build/turn @ 6801' MD	
7,712.4	7,378.0	-460.3	-291.0	LP @ 7378' TVD; 90°	
13,918.4	7,378.0	-6,666.3	-291.0	TD at 13918.4	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S32-T2N-R68W (File)

File 3E-32H-K268

Hz

Plan #1

Anticollision Report

28 June, 2013

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	6/28/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	13,918.4	Plan #1 (Hz)	Geolink MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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)						
ANDERSON 21-32 (EXISTING) - ENCANA WELL - NO S						Out of range
ANDERSON 22-32 (EXISTING) - KPK WELL - NO SURV						Out of range
ANDERSON 22-32 ENC (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST 2 A (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST C UNIT 2 (EXISTING) - ENCANA W						Out of range
BROWN 22-5 (EXISTING) - ENCANA WELL - NO SURV						Out of range
BROWN 31-5 (EXISTING) - ENCANA WELL - SURVEYS						Out of range
BROWN 41-5 (EXISTING) - ENCANA WELL - Plan #2						Out of range
BROWN 5-3 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
BROWN 5-5 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
BROWN C UNIT 2 (EXISTING) - ENCANA WELL - NO S	10,006.8	7,407.0	355.0	290.6	5.507	CC, ES, SF
FEDERAL NOAA 11-32 (EXISTING) - ENCANA WELL - N						Out of range
File 3A-32H-K268 - Hz - Plan #1	200.0	199.0	30.8	30.1	47.273	CC, ES
File 3A-32H-K268 - Hz - Plan #1	600.0	596.3	44.5	42.4	21.374	SF
File 3B-32H-K268 - Hz - Plan #1	300.0	299.0	25.4	24.4	25.441	CC, ES
File 3B-32H-K268 - Hz - Plan #1	900.0	894.8	49.1	46.0	15.907	SF
File 3C-32H-K268 - Hz - Plan #1	400.0	399.0	19.6	18.2	14.516	CC, ES
File 3C-32H-K268 - Hz - Plan #1	800.0	797.2	30.1	27.4	10.991	SF
File 3D-32H-K268 - Hz - Plan #1	500.0	499.0	14.5	12.8	8.513	CC, ES
File 3D-32H-K268 - Hz - Plan #1	13,918.4	14,183.2	418.1	216.9	2.078	SF
File 3F-32H-K268 - Hz - Plan #1	600.0	600.0	6.7	4.6	3.259	CC, ES
File 3F-32H-K268 - Hz - Plan #1	13,918.4	14,146.3	417.6	216.1	2.072	SF
File 3G-32H-K268 - Hz - Plan #1	400.0	400.0	11.2	9.8	8.284	CC, ES
File 3G-32H-K268 - Hz - Plan #1	500.0	499.8	12.0	10.3	7.074	SF
File 3H-32H-K268 - Hz - Plan #1	333.3	333.3	17.2	16.1	15.363	CC
File 3H-32H-K268 - Hz - Plan #1	400.0	399.8	17.4	16.0	12.879	ES
File 3H-32H-K268 - Hz - Plan #1	600.0	599.1	22.6	20.6	11.006	SF
File 3I-32H-K268 - Hz - Plan #1	755.6	756.8	13.1	10.4	4.857	CC, ES
File 3I-32H-K268 - Hz - Plan #1	800.0	801.0	13.7	10.8	4.747	SF
File 3J-32H-K268 - Hz - Plan #1	840.9	842.6	18.3	15.3	6.087	CC, ES
File 3J-32H-K268 - Hz - Plan #1	900.0	901.5	19.2	16.0	5.886	SF
File 3K-32H-K268 - Hz - Plan #1	844.9	846.8	32.4	29.5	10.964	CC, ES
File 3K-32H-K268 - Hz - Plan #1	1,100.0	1,101.1	39.0	35.0	9.670	SF
File 3L-32H-K268 - Hz - Plan #1	799.9	801.5	39.6	36.8	14.269	CC
File 3L-32H-K268 - Hz - Plan #1	800.0	801.6	39.6	36.8	14.266	ES
File 3L-32H-K268 - Hz - Plan #1	7,500.0	7,490.8	215.8	188.3	7.838	SF
File 3M-32H-K268 - Hz - Plan #1	631.5	632.2	58.3	56.1	26.288	CC, ES
File 3M-32H-K268 - Hz - Plan #1	7,707.1	7,436.6	138.6	107.7	4.484	SF
File 3N-32H-K268 - Hz - Plan #1	300.0	300.0	64.5	63.4	64.334	CC
File 3N-32H-K268 - Hz - Plan #1	400.0	399.8	64.6	63.2	47.814	ES
File 3N-32H-K268 - Hz - Plan #1	7,600.0	7,407.5	487.6	459.1	17.137	SF
File 3O-32H-K268 - Hz - Plan #1	233.4	233.4	69.9	69.2	90.896	CC
File 3O-32H-K268 - Hz - Plan #1	300.0	299.6	70.1	69.1	69.991	ES
File 3O-32H-K268 - Hz - Plan #1	800.0	794.0	91.6	88.8	32.993	SF
File 3P-32H-K268 - Hz - Plan #1	200.0	200.0	75.6	75.0	115.859	CC, ES
File 3P-32H-K268 - Hz - Plan #1	800.0	791.5	104.6	101.9	37.859	SF
GENE 11-5 (EXISTING) - KERR-MCGEE WELL - NO SU						Out of range
HIGHLAND 21-5 (EXISTING) - KPK WELL - NO SURVE						Out of range
HOPE 31-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
LAURIE 32-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NATALIE 33-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NELSON 1 A (EXISTING) - TEXAS TEA WELL - NO SUR						Out of range
NELSON 2 (EXISTING) - TEXAS TEA WELL - NO SURV						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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

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)						
NELSON 3 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	600.0	599.0	398.5	396.4	192.738	CC, ES
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	3,700.0	3,695.7	499.7	486.6	38.287	SF
NELSON 5 (EXISTING) - VESSELS WELL - NO SURVE						Out of range
NELSON 5 TT (EXISTING) - TEXAS TEA WELL - NO SU						Out of range
NELSON 6 (EXISTING) - VESSELS WELL - NO SURVE						Out of range
NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S	7,792.0	7,367.9	180.6	151.0	6.096	CC, ES
NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S	7,800.0	7,367.0	180.8	151.1	6.085	SF
PAQUETTE 13-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
PAQUETTE 14-5 (EXISTING) - KERR-MCGEE WELL - N	13,543.2	7,422.0	411.4	285.7	3.273	CC, ES, SF
RAY NELSON 0-4-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 12-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 13-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 14-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 24-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 2-4-32 (EXISTING) - ENCANA WELL - NO						Out of range
Ray Nelson 33-32 - DD - Plan #1						Out of range
Ray Nelson 34-32 - DD - Plan #2						Out of range
Ray Nelson 44-32 - DD - Plan #2						Out of range
RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU						Out of range
Ray Nelson 7-8-32 - DD - Plan #1						Out of range
Ray Nelson 8-8-32 - DD - Plan #2						Out of range
SCHRINER 11-5 (EXISTING) - KERR-MCGEE WELL - N	12,960.4	7,437.0	232.3	116.7	2.010	CC, ES, SF
SCHRINER 12-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 41-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 42-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 43-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - BROWN C UNIT 2 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8275-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		
9,700.0	7,378.0	7,407.0	7,407.0	46.6	12.9	90.00	-2,754.7	-646.1	469.2	410.0	59.27	7.917		
9,800.0	7,378.0	7,407.0	7,407.0	48.3	12.9	90.00	-2,754.7	-646.1	410.9	349.9	60.96	6.740		
9,900.0	7,378.0	7,407.0	7,407.0	50.0	12.9	90.00	-2,754.7	-646.1	370.7	308.1	62.65	5.917		
10,000.0	7,378.0	7,407.0	7,407.0	51.7	12.9	90.00	-2,754.7	-646.1	355.1	290.7	64.35	5.518		
10,006.8	7,378.0	7,407.0	7,407.0	51.8	12.9	90.00	-2,754.7	-646.1	355.0	290.6	64.47	5.507	CC, ES, SF	
10,100.0	7,378.0	7,407.0	7,407.0	53.4	12.9	90.00	-2,754.7	-646.1	367.1	301.0	66.05	5.557		
10,200.0	7,378.0	7,407.0	7,407.0	55.1	12.9	90.00	-2,754.7	-646.1	404.2	336.4	67.76	5.965		
10,300.0	7,378.0	7,407.0	7,407.0	56.8	12.9	90.00	-2,754.7	-646.1	460.4	391.0	69.47	6.628		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3A-32H-K268 - Hz - 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	-89.98	0.0	-30.8	30.8					
100.0	100.0	99.0	99.0	0.2	0.2	-89.98	0.0	-30.8	30.8	30.5	0.30	101.847		
200.0	200.0	199.0	199.0	0.3	0.3	-89.98	0.0	-30.8	30.8	30.1	0.65	47.273 CC, ES		
300.0	300.0	298.5	298.5	0.5	0.5	-90.18	-0.1	-31.6	31.6	30.6	1.00	31.619		
400.0	400.0	397.9	397.8	0.7	0.7	-90.72	-0.4	-34.2	34.2	32.8	1.35	25.272		
500.0	500.0	497.1	497.0	0.8	0.9	-91.46	-1.0	-38.4	38.5	36.8	1.71	22.470		
600.0	600.0	596.3	595.9	1.0	1.1	-92.26	-1.8	-44.4	44.5	42.4	2.08	21.374 SF		
700.0	700.0	695.2	694.6	1.2	1.3	-26.39	-2.7	-52.0	51.5	49.1	2.39	21.531		
800.0	800.0	794.0	792.9	1.4	1.5	-28.12	-3.9	-61.3	58.6	55.9	2.74	21.414		
900.0	899.9	892.6	890.9	1.6	1.7	-30.20	-5.4	-72.2	66.1	63.0	3.09	21.418		
1,000.0	999.8	991.0	988.4	1.7	2.0	-32.03	-7.0	-84.8	75.0	71.5	3.44	21.818		
1,100.0	1,099.6	1,089.0	1,085.4	1.9	2.3	-33.40	-8.8	-99.0	85.6	81.8	3.79	22.604		
1,200.0	1,199.5	1,186.7	1,181.8	2.1	2.6	-34.40	-10.9	-114.8	97.9	93.8	4.14	23.670		
1,300.0	1,299.4	1,283.9	1,277.4	2.3	3.0	-35.10	-13.1	-132.1	112.0	107.5	4.49	24.947		
1,400.0	1,399.3	1,380.6	1,372.3	2.5	3.3	-35.57	-15.6	-151.0	127.8	122.9	4.84	26.384		
1,500.0	1,499.2	1,476.8	1,466.3	2.7	3.7	-35.87	-18.2	-171.3	145.2	140.0	5.19	27.947		
1,600.0	1,599.1	1,572.4	1,559.3	2.9	4.1	-36.05	-21.0	-193.0	164.2	158.6	5.55	29.611		
1,700.0	1,699.0	1,667.8	1,651.8	3.1	4.6	-36.14	-24.0	-216.2	184.8	178.9	5.90	31.351		
1,800.0	1,798.8	1,765.5	1,746.3	3.3	5.0	-36.20	-27.2	-240.5	206.1	199.9	6.25	32.971		
1,900.0	1,898.7	1,863.2	1,840.9	3.4	5.5	-36.24	-30.3	-264.9	227.4	220.8	6.61	34.415		
2,000.0	1,998.6	1,960.9	1,935.5	3.6	5.9	-36.28	-33.5	-289.2	248.6	241.7	6.96	35.711		
2,100.0	2,098.5	2,058.6	2,030.1	3.8	6.4	-36.31	-36.7	-313.6	269.9	262.6	7.32	36.880		
2,200.0	2,198.4	2,156.3	2,124.7	4.0	6.8	-36.34	-39.8	-337.9	291.2	283.5	7.67	37.939		
2,300.0	2,298.3	2,254.0	2,219.2	4.2	7.3	-36.36	-43.0	-362.3	312.4	304.4	8.03	38.904		
2,400.0	2,398.2	2,351.8	2,313.8	4.4	7.8	-36.38	-46.1	-386.6	333.7	325.3	8.39	39.787		
2,500.0	2,498.1	2,449.5	2,408.4	4.6	8.2	-36.40	-49.3	-411.0	354.9	346.2	8.74	40.597		
2,600.0	2,597.9	2,547.2	2,503.0	4.8	8.7	-36.42	-52.4	-435.3	376.2	367.1	9.10	41.343		
2,700.0	2,697.8	2,644.9	2,597.6	5.0	9.2	-36.43	-55.6	-459.7	397.5	388.0	9.46	42.033		
2,800.0	2,797.7	2,742.6	2,692.1	5.2	9.6	-36.44	-58.7	-484.0	418.7	408.9	9.81	42.672		
2,900.0	2,897.6	2,840.3	2,786.7	5.4	10.1	-36.45	-61.9	-508.4	440.0	429.8	10.17	43.266		
3,000.0	2,997.5	2,938.0	2,881.3	5.6	10.6	-36.47	-65.1	-532.7	461.3	450.7	10.53	43.820		
3,100.0	3,097.4	3,035.8	2,975.9	5.7	11.0	-36.47	-68.2	-557.0	482.5	471.6	10.88	44.337		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3B-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-81.75	3.7	-25.2	25.5					
100.0	100.0	99.0	99.0	0.2	0.2	-81.75	3.7	-25.2	25.4	25.1	0.30	84.201		
200.0	200.0	199.0	199.0	0.3	0.3	-81.75	3.7	-25.2	25.4	24.8	0.65	39.082		
300.0	300.0	299.0	299.0	0.5	0.5	-81.75	3.7	-25.2	25.4	24.4	1.00	25.441 CC, ES		
400.0	400.0	398.6	398.5	0.7	0.7	-81.84	3.7	-26.0	26.3	24.9	1.35	19.492		
500.0	500.0	498.0	498.0	0.8	0.9	-82.10	4.0	-28.6	28.9	27.2	1.70	16.980		
600.0	600.0	597.4	597.3	1.0	1.0	-82.43	4.4	-32.9	33.2	31.1	2.06	16.128		
700.0	700.0	696.7	696.3	1.2	1.2	-16.09	4.9	-38.8	38.4	36.0	2.39	16.055		
800.0	800.0	795.8	795.2	1.4	1.4	-17.30	5.6	-46.5	43.7	40.9	2.74	15.945		
900.0	899.9	894.8	893.8	1.6	1.7	-18.83	6.5	-55.9	49.1	46.0	3.09	15.907 SF		
1,000.0	999.8	993.7	992.0	1.7	1.9	-20.15	7.5	-66.9	55.9	52.4	3.44	16.255		
1,100.0	1,099.6	1,092.3	1,089.8	1.9	2.2	-21.09	8.7	-79.6	64.4	60.6	3.79	16.998		
1,200.0	1,199.5	1,190.6	1,187.0	2.1	2.5	-21.71	10.1	-94.0	74.6	70.4	4.14	18.030		
1,300.0	1,299.4	1,288.5	1,283.6	2.3	2.8	-22.09	11.6	-109.9	86.5	82.0	4.49	19.282		
1,400.0	1,399.3	1,386.0	1,379.5	2.5	3.1	-22.30	13.2	-127.3	100.1	95.2	4.83	20.704		
1,500.0	1,499.2	1,484.5	1,476.2	2.7	3.5	-22.41	14.9	-146.2	114.8	109.7	5.18	22.151		
1,600.0	1,599.1	1,583.4	1,573.3	2.9	3.8	-22.50	16.7	-165.1	129.7	124.1	5.54	23.418		
1,700.0	1,699.0	1,682.3	1,670.3	3.1	4.2	-22.57	18.5	-184.0	144.5	138.6	5.89	24.534		
1,800.0	1,798.8	1,781.2	1,767.4	3.3	4.5	-22.62	20.2	-202.9	159.3	153.0	6.24	25.524		
1,900.0	1,898.7	1,880.1	1,864.4	3.4	4.9	-22.67	22.0	-221.8	174.1	167.5	6.59	26.407		
2,000.0	1,998.6	1,979.0	1,961.5	3.6	5.3	-22.70	23.8	-240.7	188.9	181.9	6.94	27.201		
2,100.0	2,098.5	2,077.9	2,058.6	3.8	5.6	-22.74	25.5	-259.6	203.7	196.4	7.30	27.917		
2,200.0	2,198.4	2,176.8	2,155.6	4.0	6.0	-22.77	27.3	-278.5	218.5	210.8	7.65	28.568		
2,300.0	2,298.3	2,275.7	2,252.7	4.2	6.4	-22.79	29.1	-297.4	233.3	225.3	8.00	29.161		
2,400.0	2,398.2	2,374.6	2,349.7	4.4	6.8	-22.81	30.8	-316.3	248.1	239.7	8.35	29.704		
2,500.0	2,498.1	2,473.5	2,446.8	4.6	7.1	-22.83	32.6	-335.3	262.9	254.2	8.70	30.203		
2,600.0	2,597.9	2,572.4	2,543.8	4.8	7.5	-22.85	34.4	-354.2	277.7	268.7	9.06	30.663		
2,700.0	2,697.8	2,671.3	2,640.9	5.0	7.9	-22.86	36.1	-373.1	292.5	283.1	9.41	31.088		
2,800.0	2,797.7	2,770.2	2,738.0	5.2	8.2	-22.88	37.9	-392.0	307.3	297.6	9.76	31.483		
2,900.0	2,897.6	2,869.1	2,835.0	5.4	8.6	-22.89	39.6	-410.9	322.1	312.0	10.11	31.850		
3,000.0	2,997.5	2,968.0	2,932.1	5.6	9.0	-22.90	41.4	-429.8	336.9	326.5	10.47	32.192		
3,100.0	3,097.4	3,066.9	3,029.1	5.7	9.4	-22.91	43.2	-448.7	351.7	340.9	10.82	32.512		
3,200.0	3,197.3	3,165.8	3,126.2	5.9	9.7	-22.92	44.9	-467.6	366.6	355.4	11.17	32.811		
3,300.0	3,297.2	3,264.7	3,223.2	6.1	10.1	-22.93	46.7	-486.5	381.4	369.8	11.52	33.092		
3,400.0	3,397.0	3,363.6	3,320.3	6.3	10.5	-22.94	48.5	-505.4	396.2	384.3	11.88	33.357		
3,500.0	3,496.9	3,462.5	3,417.3	6.5	10.9	-22.95	50.2	-524.4	411.0	398.7	12.23	33.606		
3,600.0	3,596.8	3,561.4	3,514.4	6.7	11.3	-22.96	52.0	-543.3	425.8	413.2	12.58	33.841		
3,700.0	3,696.7	3,660.3	3,611.5	6.9	11.6	-22.96	53.8	-562.2	440.6	427.6	12.93	34.064		
3,800.0	3,796.6	3,759.2	3,708.5	7.1	12.0	-22.97	55.5	-581.1	455.4	442.1	13.29	34.274		
3,900.0	3,896.5	3,858.1	3,805.6	7.3	12.4	-22.97	57.3	-600.0	470.2	456.6	13.64	34.474		
4,000.0	3,996.4	3,957.0	3,902.6	7.5	12.8	-22.98	59.1	-618.9	485.0	471.0	13.99	34.663		
4,100.0	4,096.2	4,055.9	3,999.7	7.7	13.1	-22.99	60.8	-637.8	499.8	485.5	14.34	34.844		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3C-32H-K268 - Hz - 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	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.99	0.0	-19.6	19.6					
100.0	100.0	99.0	99.0	0.2	0.2	-89.99	0.0	-19.6	19.6	19.3	0.30	64.812		
200.0	200.0	199.0	199.0	0.3	0.3	-89.99	0.0	-19.6	19.6	18.9	0.65	30.083		
300.0	300.0	299.0	299.0	0.5	0.5	-89.99	0.0	-19.6	19.6	18.6	1.00	19.583		
400.0	400.0	399.0	399.0	0.7	0.7	-89.99	0.0	-19.6	19.6	18.2	1.35	14.516 CC, ES		
500.0	500.0	498.7	498.7	0.8	0.8	-90.59	-0.2	-20.4	20.4	18.7	1.70	12.019		
600.0	600.0	598.3	598.2	1.0	1.0	-92.16	-0.9	-22.9	22.9	20.9	2.05	11.187		
700.0	700.0	697.8	697.6	1.2	1.2	-27.95	-2.0	-27.1	26.4	24.0	2.39	11.025		
800.0	800.0	797.2	796.9	1.4	1.4	-32.18	-3.5	-32.9	30.1	27.4	2.74	10.991 SF		
900.0	899.9	896.5	895.9	1.6	1.6	-37.18	-5.4	-40.4	34.4	31.3	3.09	11.124		
1,000.0	999.8	995.7	994.6	1.7	1.8	-41.34	-7.8	-49.5	40.3	36.8	3.45	11.681		
1,100.0	1,099.6	1,094.6	1,092.9	1.9	2.1	-44.19	-10.6	-60.3	48.0	44.2	3.80	12.618		
1,200.0	1,199.5	1,193.2	1,190.7	2.1	2.3	-45.98	-13.9	-72.6	57.5	53.3	4.16	13.816		
1,300.0	1,299.4	1,291.5	1,287.9	2.3	2.6	-47.03	-17.5	-86.6	68.7	64.2	4.52	15.202		
1,400.0	1,399.3	1,389.4	1,384.5	2.5	2.9	-47.56	-21.5	-102.0	81.6	76.7	4.88	16.729		
1,500.0	1,499.2	1,488.0	1,481.5	2.7	3.2	-47.82	-25.9	-118.8	95.8	90.6	5.24	18.278		
1,600.0	1,599.1	1,587.0	1,579.0	2.9	3.6	-48.00	-30.4	-135.7	110.0	104.4	5.60	19.635		
1,700.0	1,699.0	1,685.9	1,676.4	3.1	3.9	-48.15	-34.8	-152.7	124.3	118.3	5.97	20.825		
1,800.0	1,798.8	1,784.9	1,773.8	3.3	4.2	-48.26	-39.2	-169.6	138.5	132.2	6.33	21.876		
1,900.0	1,898.7	1,883.9	1,871.2	3.4	4.6	-48.35	-43.6	-186.5	152.8	146.1	6.70	22.811		
2,000.0	1,998.6	1,982.9	1,968.6	3.6	4.9	-48.43	-48.1	-203.4	167.0	160.0	7.06	23.649		
2,100.0	2,098.5	2,081.9	2,066.1	3.8	5.3	-48.49	-52.5	-220.4	181.3	173.8	7.43	24.402		
2,200.0	2,198.4	2,180.8	2,163.5	4.0	5.6	-48.54	-56.9	-237.3	195.5	187.7	7.79	25.085		
2,300.0	2,298.3	2,279.8	2,260.9	4.2	5.9	-48.59	-61.3	-254.2	209.8	201.6	8.16	25.705		
2,400.0	2,398.2	2,378.8	2,358.3	4.4	6.3	-48.63	-65.8	-271.1	224.0	215.5	8.53	26.271		
2,500.0	2,498.1	2,477.8	2,455.7	4.6	6.6	-48.67	-70.2	-288.1	238.3	229.4	8.89	26.790		
2,600.0	2,597.9	2,576.8	2,553.2	4.8	7.0	-48.70	-74.6	-305.0	252.5	243.2	9.26	27.268		
2,700.0	2,697.8	2,675.7	2,650.6	5.0	7.3	-48.73	-79.0	-321.9	266.7	257.1	9.63	27.708		
2,800.0	2,797.7	2,774.7	2,748.0	5.2	7.7	-48.76	-83.5	-338.8	281.0	271.0	9.99	28.116		
2,900.0	2,897.6	2,873.7	2,845.4	5.4	8.0	-48.78	-87.9	-355.8	295.2	284.9	10.36	28.495		
3,000.0	2,997.5	2,972.7	2,942.9	5.6	8.4	-48.80	-92.3	-372.7	309.5	298.8	10.73	28.847		
3,100.0	3,097.4	3,071.7	3,040.3	5.7	8.7	-48.82	-96.7	-389.6	323.7	312.6	11.10	29.176		
3,200.0	3,197.3	3,170.6	3,137.7	5.9	9.1	-48.84	-101.2	-406.5	338.0	326.5	11.46	29.484		
3,300.0	3,297.2	3,269.6	3,235.1	6.1	9.4	-48.85	-105.6	-423.5	352.2	340.4	11.83	29.772		
3,400.0	3,397.0	3,368.6	3,332.5	6.3	9.8	-48.87	-110.0	-440.4	366.5	354.3	12.20	30.043		
3,500.0	3,496.9	3,467.6	3,430.0	6.5	10.1	-48.88	-114.4	-457.3	380.7	368.2	12.57	30.298		
3,600.0	3,596.8	3,566.6	3,527.4	6.7	10.5	-48.90	-118.9	-474.2	395.0	382.0	12.93	30.538		
3,700.0	3,696.7	3,665.5	3,624.8	6.9	10.8	-48.91	-123.3	-491.2	409.2	395.9	13.30	30.764		
3,800.0	3,796.6	3,764.5	3,722.2	7.1	11.2	-48.92	-127.7	-508.1	423.5	409.8	13.67	30.979		
3,900.0	3,896.5	3,863.5	3,819.7	7.3	11.5	-48.93	-132.1	-525.0	437.7	423.7	14.04	31.182		
4,000.0	3,996.4	3,962.5	3,917.1	7.5	11.9	-48.94	-136.5	-541.9	452.0	437.5	14.41	31.374		
4,100.0	4,096.2	4,061.5	4,014.5	7.7	12.3	-48.95	-141.0	-558.9	466.2	451.4	14.77	31.557		
4,200.0	4,196.1	4,160.4	4,111.9	7.9	12.6	-48.96	-145.4	-575.8	480.4	465.3	15.14	31.731		
4,300.0	4,296.0	4,259.4	4,209.3	8.1	13.0	-48.96	-149.8	-592.7	494.7	479.2	15.51	31.897		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3D-32H-K268 - Hz - 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		
0.0	0.0	0.0	0.0	0.0	0.0	-75.39	3.6	-14.0	14.5					
100.0	100.0	99.0	99.0	0.2	0.2	-75.39	3.6	-14.0	14.5	14.2	0.30	47.842		
200.0	200.0	199.0	199.0	0.3	0.3	-75.39	3.6	-14.0	14.5	13.8	0.65	22.206		
300.0	300.0	299.0	299.0	0.5	0.5	-75.39	3.6	-14.0	14.5	13.5	1.00	14.455		
400.0	400.0	399.0	399.0	0.7	0.7	-75.39	3.6	-14.0	14.5	13.1	1.35	10.715		
500.0	500.0	499.0	499.0	0.8	0.8	-75.39	3.6	-14.0	14.5	12.8	1.70	8.513	CC, ES	
600.0	600.0	598.7	598.7	1.0	1.0	-75.68	3.8	-14.8	15.3	13.3	2.05	7.476		
700.0	700.0	698.4	698.4	1.2	1.2	-9.86	4.2	-17.4	17.0	14.6	2.40	7.110		
800.0	800.0	798.1	798.0	1.4	1.4	-12.09	4.9	-21.6	18.8	16.0	2.74	6.849		
900.0	899.9	897.8	897.4	1.6	1.6	-15.02	5.9	-27.6	20.7	17.6	3.09	6.690		
1,000.0	999.8	997.3	996.7	1.7	1.8	-17.52	7.1	-35.3	23.9	20.5	3.44	6.951		
1,100.0	1,099.6	1,096.7	1,095.6	1.9	2.0	-19.06	8.7	-44.6	28.9	25.1	3.79	7.626		
1,200.0	1,199.5	1,196.3	1,194.6	2.1	2.2	-19.90	10.4	-55.4	35.3	31.2	4.14	8.526		
1,300.0	1,299.4	1,296.1	1,293.8	2.3	2.5	-20.46	12.2	-66.3	41.9	37.4	4.50	9.313		
1,400.0	1,399.3	1,395.9	1,393.0	2.5	2.7	-20.87	14.0	-77.1	48.4	43.6	4.85	9.985		
1,500.0	1,499.2	1,495.7	1,492.2	2.7	2.9	-21.18	15.8	-88.0	55.0	49.8	5.20	10.567		
1,600.0	1,599.1	1,595.5	1,591.3	2.9	3.2	-21.42	17.6	-98.9	61.5	56.0	5.55	11.073		
1,700.0	1,699.0	1,695.2	1,690.5	3.1	3.4	-21.62	19.4	-109.8	68.1	62.2	5.91	11.520		
1,800.0	1,798.8	1,795.0	1,789.7	3.3	3.7	-21.78	21.2	-120.7	74.6	68.3	6.26	11.915		
1,900.0	1,898.7	1,894.8	1,888.9	3.4	3.9	-21.92	23.0	-131.6	81.2	74.5	6.62	12.268		
2,000.0	1,998.6	1,994.6	1,988.0	3.6	4.2	-22.03	24.8	-142.5	87.7	80.7	6.97	12.585		
2,100.0	2,098.5	2,094.4	2,087.2	3.8	4.5	-22.13	26.6	-153.4	94.3	86.9	7.32	12.871		
2,200.0	2,198.4	2,194.2	2,186.4	4.0	4.7	-22.22	28.3	-164.3	100.8	93.1	7.68	13.131		
2,300.0	2,298.3	2,294.0	2,285.5	4.2	5.0	-22.30	30.1	-175.2	107.4	99.3	8.03	13.368		
2,400.0	2,398.2	2,393.7	2,384.7	4.4	5.2	-22.36	31.9	-186.1	113.9	105.5	8.39	13.584		
2,500.0	2,498.1	2,493.5	2,483.9	4.6	5.5	-22.42	33.7	-196.9	120.5	111.7	8.74	13.783		
2,600.0	2,597.9	2,593.3	2,583.1	4.8	5.7	-22.48	35.5	-207.8	127.0	117.9	9.09	13.967		
2,700.0	2,697.8	2,693.1	2,682.2	5.0	6.0	-22.53	37.3	-218.7	133.6	124.1	9.45	14.136		
2,800.0	2,797.7	2,792.9	2,781.4	5.2	6.2	-22.57	39.1	-229.6	140.1	130.3	9.80	14.294		
2,900.0	2,897.6	2,892.7	2,880.6	5.4	6.5	-22.61	40.9	-240.5	146.7	136.5	10.16	14.440		
3,000.0	2,997.5	2,992.4	2,979.8	5.6	6.8	-22.65	42.7	-251.4	153.2	142.7	10.51	14.576		
3,100.0	3,097.4	3,092.2	3,078.9	5.7	7.0	-22.68	44.4	-262.3	159.8	148.9	10.87	14.704		
3,200.0	3,197.3	3,192.0	3,178.1	5.9	7.3	-22.71	46.2	-273.2	166.3	155.1	11.22	14.823		
3,300.0	3,297.2	3,291.8	3,277.3	6.1	7.5	-22.74	48.0	-284.1	172.9	161.3	11.58	14.935		
3,400.0	3,397.0	3,391.6	3,376.4	6.3	7.8	-22.77	49.8	-295.0	179.4	167.5	11.93	15.040		
3,500.0	3,496.9	3,491.4	3,475.6	6.5	8.0	-22.79	51.6	-305.8	186.0	173.7	12.28	15.140		
3,600.0	3,596.8	3,591.2	3,574.8	6.7	8.3	-22.82	53.4	-316.7	192.5	179.9	12.64	15.233		
3,700.0	3,696.7	3,690.9	3,674.0	6.9	8.6	-22.84	55.2	-327.6	199.1	186.1	12.99	15.322		
3,800.0	3,796.6	3,790.7	3,773.1	7.1	8.8	-22.86	57.0	-338.5	205.6	192.3	13.35	15.405		
3,900.0	3,896.5	3,890.5	3,872.3	7.3	9.1	-22.88	58.8	-349.4	212.2	198.5	13.70	15.485		
4,000.0	3,996.4	3,990.3	3,971.5	7.5	9.3	-22.89	60.6	-360.3	218.7	204.7	14.06	15.560		
4,100.0	4,096.2	4,090.1	4,070.7	7.7	9.6	-22.91	62.3	-371.2	225.3	210.9	14.41	15.632		
4,200.0	4,196.1	4,189.9	4,169.8	7.9	9.9	-22.93	64.1	-382.1	231.9	217.1	14.77	15.700		
4,300.0	4,296.0	4,289.7	4,269.0	8.1	10.1	-22.94	65.9	-393.0	238.4	223.3	15.12	15.765		
4,400.0	4,395.9	4,389.4	4,368.2	8.3	10.4	-22.96	67.7	-403.9	245.0	229.5	15.48	15.827		
4,500.0	4,495.8	4,489.2	4,467.3	8.4	10.6	-22.97	69.5	-414.8	251.5	235.7	15.83	15.886		
4,600.0	4,595.7	4,589.0	4,566.5	8.6	10.9	-22.98	71.3	-425.6	258.1	241.9	16.19	15.943		
4,700.0	4,695.6	4,688.8	4,665.7	8.8	11.2	-22.99	73.1	-436.5	264.6	248.1	16.54	15.997		
4,800.0	4,795.5	4,788.6	4,764.9	9.0	11.4	-23.01	74.9	-447.4	271.2	254.3	16.90	16.049		
4,900.0	4,895.3	4,888.4	4,864.0	9.2	11.7	-23.02	76.7	-458.3	277.7	260.5	17.25	16.099		
5,000.0	4,995.2	4,988.2	4,963.2	9.4	11.9	-23.03	78.5	-469.2	284.3	266.7	17.61	16.147		
5,100.0	5,095.1	5,087.9	5,062.4	9.6	12.2	-23.04	80.2	-480.1	290.8	272.9	17.96	16.193		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3D-32H-K268 - Hz - 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)				
5,200.0	5,195.0	5,187.7	5,161.6	9.8	12.5	-23.05	82.0	-491.0	297.4	279.1	18.32	16.237		
5,300.0	5,294.9	5,287.5	5,260.7	10.0	12.7	-23.06	83.8	-501.9	303.9	285.3	18.67	16.279		
5,400.0	5,394.8	5,387.3	5,359.9	10.2	13.0	-23.07	85.6	-512.8	310.5	291.5	19.02	16.320		
5,500.0	5,494.7	5,487.1	5,459.1	10.4	13.2	-23.07	87.4	-523.7	317.0	297.7	19.38	16.359		
5,600.0	5,594.6	5,586.9	5,558.2	10.6	13.5	-23.08	89.2	-534.5	323.6	303.9	19.73	16.397		
5,700.0	5,694.4	5,686.6	5,657.4	10.8	13.8	-23.09	91.0	-545.4	330.1	310.0	20.09	16.434		
5,800.0	5,794.3	5,786.4	5,756.6	11.0	14.0	-23.10	92.8	-556.3	336.7	316.2	20.44	16.469		
5,900.0	5,894.2	5,886.2	5,855.8	11.1	14.3	-23.10	94.6	-567.2	343.2	322.4	20.80	16.503		
6,000.0	5,994.1	5,986.0	5,954.9	11.3	14.5	-23.11	96.3	-578.1	349.8	328.6	21.15	16.536		
6,100.0	6,094.0	6,085.8	6,054.1	11.5	14.8	-23.12	98.1	-589.0	356.3	334.8	21.51	16.568		
6,200.0	6,193.9	6,185.6	6,153.3	11.7	15.1	-23.12	99.9	-599.9	362.9	341.0	21.86	16.599		
6,300.0	6,293.8	6,285.4	6,252.5	11.9	15.3	-23.13	101.7	-610.8	369.5	347.2	22.22	16.628		
6,400.0	6,393.6	6,385.1	6,351.6	12.1	15.6	-23.14	103.5	-621.7	376.0	353.4	22.57	16.657		
6,500.0	6,493.5	6,484.9	6,450.8	12.3	15.8	-23.14	105.3	-632.6	382.6	359.6	22.93	16.685		
6,600.0	6,593.4	6,584.7	6,550.0	12.5	16.1	-23.15	107.1	-643.4	389.1	365.8	23.28	16.712		
6,700.0	6,693.3	6,684.5	6,649.2	12.7	16.4	-23.15	108.9	-654.3	395.7	372.0	23.64	16.739		
6,800.0	6,793.2	6,784.3	6,748.3	12.9	16.6	-23.16	110.7	-665.2	402.2	378.2	23.99	16.764		
6,900.0	6,892.8	6,883.6	6,847.0	13.0	16.9	74.26	112.4	-676.1	408.8	384.5	24.29	16.831		
7,000.0	6,989.7	6,980.0	6,942.8	13.2	17.1	85.18	114.2	-686.6	416.3	391.9	24.47	17.010		
7,100.0	7,081.0	7,071.7	7,034.0	13.3	17.4	91.76	115.8	-696.6	427.5	402.8	24.66	17.335		
7,200.0	7,163.9	7,179.1	7,140.1	13.5	17.6	97.97	106.0	-708.0	443.4	418.5	24.93	17.785		
7,300.0	7,236.0	7,300.1	7,255.3	13.8	17.8	103.47	71.4	-720.1	462.1	436.8	25.30	18.262		
7,400.0	7,295.0	7,438.7	7,374.9	14.2	18.1	108.38	3.0	-732.0	481.4	455.6	25.78	18.674		
7,500.0	7,339.1	7,598.0	7,487.6	14.8	18.6	112.52	-108.3	-742.4	498.4	471.9	26.49	18.815		
8,500.0	7,378.0	8,771.7	7,606.0	27.2	29.9	117.27	-1,255.6	-735.3	499.9	451.3	48.52	10.302		
8,600.0	7,378.0	8,871.7	7,606.0	28.7	31.3	117.36	-1,355.6	-733.5	498.3	447.1	51.26	9.721		
8,700.0	7,378.0	8,971.7	7,606.0	30.3	32.8	117.45	-1,455.6	-731.8	496.8	442.7	54.03	9.194		
8,800.0	7,378.0	9,071.7	7,606.0	31.8	34.2	117.55	-1,555.5	-730.1	495.2	438.4	56.83	8.714		
8,900.0	7,378.0	9,171.6	7,606.0	33.4	35.7	117.64	-1,655.5	-728.3	493.7	434.0	59.65	8.276		
9,000.0	7,378.0	9,271.6	7,606.0	35.1	37.2	117.74	-1,755.5	-726.6	492.1	429.6	62.49	7.876		
9,100.0	7,378.0	9,371.6	7,606.0	36.7	38.8	117.83	-1,855.4	-724.8	490.6	425.2	65.34	7.508		
9,200.0	7,378.0	9,471.6	7,606.0	38.3	40.3	117.93	-1,955.4	-723.1	489.0	420.8	68.21	7.170		
9,300.0	7,378.0	9,571.6	7,606.0	40.0	41.9	118.02	-2,055.4	-721.3	487.5	416.4	71.09	6.858		
9,400.0	7,378.0	9,671.6	7,606.0	41.6	43.5	118.12	-2,155.3	-719.6	486.0	412.0	73.97	6.570		
9,500.0	7,378.0	9,771.6	7,606.0	43.3	45.1	118.22	-2,255.3	-717.8	484.4	407.6	76.86	6.302		
9,600.0	7,378.0	9,871.5	7,606.0	44.9	46.7	118.31	-2,355.3	-716.1	482.9	403.1	79.76	6.054		
9,700.0	7,378.0	9,971.5	7,606.0	46.6	48.3	118.41	-2,455.2	-714.4	481.3	398.7	82.66	5.823		
9,800.0	7,378.0	10,071.5	7,606.0	48.3	49.9	118.51	-2,555.2	-712.6	479.8	394.2	85.56	5.608		
9,900.0	7,378.0	10,171.5	7,606.0	50.0	51.5	118.61	-2,655.2	-710.9	478.3	389.8	88.47	5.406		
10,000.0	7,378.0	10,271.5	7,606.0	51.7	53.2	118.71	-2,755.2	-709.1	476.7	385.4	91.37	5.218		
10,100.0	7,378.0	10,371.5	7,606.0	53.4	54.8	118.81	-2,855.1	-707.4	475.2	380.9	94.28	5.041		
10,200.0	7,378.0	10,471.4	7,606.0	55.1	56.5	118.91	-2,955.1	-705.6	473.7	376.5	97.18	4.874		
10,300.0	7,378.0	10,571.4	7,606.0	56.8	58.2	119.02	-3,055.1	-703.9	472.2	372.1	100.09	4.718		
10,400.0	7,378.0	10,671.4	7,606.0	58.5	59.8	119.12	-3,155.0	-702.1	470.6	367.6	102.99	4.570		
10,500.0	7,378.0	10,771.4	7,606.0	60.2	61.5	119.22	-3,255.0	-700.4	469.1	363.2	105.89	4.430		
10,600.0	7,378.0	10,871.4	7,606.0	61.9	63.2	119.33	-3,355.0	-698.7	467.6	358.8	108.78	4.298		
10,700.0	7,378.0	10,971.4	7,606.0	63.6	64.8	119.43	-3,454.9	-696.9	466.1	354.4	111.67	4.173		
10,800.0	7,378.0	11,071.4	7,606.0	65.3	66.5	119.54	-3,554.9	-695.2	464.5	350.0	114.56	4.055		
10,900.0	7,378.0	11,171.3	7,606.0	67.0	68.2	119.65	-3,654.9	-693.4	463.0	345.6	117.45	3.942		
11,000.0	7,378.0	11,271.3	7,606.0	68.8	69.9	119.75	-3,754.9	-691.7	461.5	341.2	120.33	3.835		
11,100.0	7,378.0	11,371.3	7,606.0	70.5	71.6	119.86	-3,854.8	-689.9	460.0	336.8	123.20	3.734		
11,200.0	7,378.0	11,471.3	7,606.0	72.2	73.3	119.97	-3,954.8	-688.2	458.5	332.4	126.07	3.637		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3D-32H-K268 - Hz - 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,300.0	7,378.0	11,571.3	7,606.0	73.9	75.0	120.08	-4,054.8	-686.4	457.0	328.0	128.94	3.544	
11,400.0	7,378.0	11,671.3	7,606.0	75.7	76.7	120.19	-4,154.7	-684.7	455.5	323.7	131.80	3.456	
11,500.0	7,378.0	11,771.3	7,606.0	77.4	78.4	120.30	-4,254.7	-682.9	454.0	319.3	134.65	3.371	
11,600.0	7,378.0	11,871.2	7,606.0	79.1	80.1	120.41	-4,354.7	-681.2	452.5	315.0	137.50	3.291	
11,700.0	7,378.0	11,971.2	7,606.0	80.8	81.8	120.52	-4,454.6	-679.5	450.9	310.6	140.34	3.213	
11,800.0	7,378.0	12,071.2	7,606.0	82.6	83.5	120.64	-4,554.6	-677.7	449.4	306.3	143.17	3.139	
11,900.0	7,378.0	12,171.2	7,606.0	84.3	85.2	120.75	-4,654.6	-676.0	447.9	301.9	146.00	3.068	
12,000.0	7,378.0	12,271.2	7,606.0	86.0	87.0	120.86	-4,754.5	-674.2	446.4	297.6	148.82	3.000	
12,100.0	7,378.0	12,371.2	7,606.0	87.8	88.7	120.98	-4,854.5	-672.5	444.9	293.3	151.63	2.934	
12,200.0	7,378.0	12,471.1	7,606.0	89.5	90.4	121.10	-4,954.5	-670.7	443.5	289.0	154.43	2.871	
12,300.0	7,378.0	12,571.1	7,606.0	91.2	92.1	121.21	-5,054.5	-669.0	442.0	284.7	157.23	2.811	
12,400.0	7,378.0	12,671.1	7,606.0	93.0	93.8	121.33	-5,154.4	-667.2	440.5	280.4	160.02	2.753	
12,500.0	7,378.0	12,771.1	7,606.0	94.7	95.5	121.45	-5,254.4	-665.5	439.0	276.2	162.80	2.696	
12,600.0	7,378.0	12,871.1	7,606.0	96.4	97.3	121.57	-5,354.4	-663.8	437.5	271.9	165.57	2.642	
12,700.0	7,378.0	12,971.1	7,606.0	98.2	99.0	121.69	-5,454.3	-662.0	436.0	267.7	168.34	2.590	
12,800.0	7,378.0	13,071.1	7,606.0	99.9	100.7	121.81	-5,554.3	-660.3	434.5	263.4	171.09	2.540	
12,900.0	7,378.0	13,171.0	7,606.0	101.6	102.4	121.93	-5,654.3	-658.5	433.0	259.2	173.84	2.491	
13,000.0	7,378.0	13,271.0	7,606.0	103.4	104.2	122.05	-5,754.2	-656.8	431.6	255.0	176.58	2.444	
13,100.0	7,378.0	13,371.0	7,606.0	105.1	105.9	122.18	-5,854.2	-655.0	430.1	250.8	179.30	2.399	
13,200.0	7,378.0	13,471.0	7,606.0	106.9	107.6	122.30	-5,954.2	-653.3	428.6	246.6	182.02	2.355	
13,300.0	7,378.0	13,571.0	7,606.0	108.6	109.3	122.43	-6,054.1	-651.5	427.1	242.4	184.73	2.312	
13,400.0	7,378.0	13,671.0	7,606.0	110.3	111.1	122.55	-6,154.1	-649.8	425.7	238.2	187.43	2.271	
13,500.0	7,378.0	13,770.9	7,606.0	112.1	112.8	122.68	-6,254.1	-648.0	424.2	234.1	190.12	2.231	
13,600.0	7,378.0	13,870.9	7,606.0	113.8	114.5	122.81	-6,354.1	-646.3	422.7	229.9	192.79	2.193	
13,700.0	7,378.0	13,970.9	7,606.0	115.6	116.3	122.93	-6,454.0	-644.6	421.3	225.8	195.46	2.155	
13,800.0	7,378.0	14,070.9	7,606.0	117.3	118.0	123.06	-6,554.0	-642.8	419.8	221.7	198.12	2.119	
13,900.0	7,378.0	14,170.9	7,606.0	119.1	119.7	123.19	-6,654.0	-641.1	418.3	217.6	200.77	2.084	
13,918.4	7,378.0	14,183.2	7,606.0	119.4	119.9	123.21	-6,666.3	-640.9	418.1	216.9	201.18	2.078	
13,918.4	7,378.0	14,183.2	7,606.0	119.4	119.9	123.21	-6,666.3	-640.9	418.1	216.9	201.18	2.078 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3F-32H-K268 - Hz - 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	56.93	3.6	5.6	6.7					
100.0	100.0	100.0	100.0	0.2	0.2	56.93	3.6	5.6	6.7	6.4	0.30	21.986		
200.0	200.0	200.0	200.0	0.3	0.3	56.93	3.6	5.6	6.7	6.0	0.65	10.229		
300.0	300.0	300.0	300.0	0.5	0.5	56.93	3.6	5.6	6.7	5.7	1.00	6.665		
400.0	400.0	400.0	400.0	0.7	0.7	56.93	3.6	5.6	6.7	5.3	1.35	4.943		
500.0	500.0	500.0	500.0	0.8	0.8	56.93	3.6	5.6	6.7	5.0	1.70	3.928		
600.0	600.0	600.0	600.0	1.0	1.0	56.93	3.6	5.6	6.7	4.6	2.05	3.259 CC, ES		
700.0	700.0	700.0	700.0	1.2	1.2	129.72	3.6	5.6	7.2	4.8	2.40	3.003		
800.0	800.0	800.0	800.0	1.4	1.4	142.49	3.6	5.6	9.1	6.4	2.75	3.312		
900.0	899.9	899.9	899.9	1.6	1.5	154.29	3.6	5.6	12.8	9.7	3.10	4.127		
1,000.0	999.8	999.8	999.8	1.7	1.7	161.18	3.6	5.6	17.2	13.7	3.45	4.989		
1,100.0	1,099.6	1,099.6	1,099.6	1.9	1.9	165.23	3.6	5.6	21.7	17.9	3.79	5.731		
1,200.0	1,199.5	1,199.5	1,199.5	2.1	2.1	167.86	3.6	5.6	26.4	22.2	4.14	6.365		
1,300.0	1,299.4	1,299.4	1,299.4	2.3	2.2	169.71	3.6	5.6	31.0	26.5	4.49	6.909		
1,400.0	1,399.3	1,399.3	1,399.3	2.5	2.4	171.07	3.6	5.6	35.7	30.9	4.84	7.380		
1,500.0	1,499.2	1,499.2	1,499.2	2.7	2.6	172.12	3.6	5.6	40.4	35.2	5.19	7.791		
1,600.0	1,599.1	1,599.1	1,599.1	2.9	2.8	172.94	3.6	5.6	45.1	39.6	5.54	8.151		
1,700.0	1,699.0	1,699.0	1,699.0	3.1	2.9	173.62	3.6	5.6	49.9	44.0	5.89	8.471		
1,800.0	1,798.8	1,798.8	1,798.8	3.3	3.1	174.17	3.6	5.6	54.6	48.4	6.23	8.755		
1,900.0	1,898.7	1,898.7	1,898.7	3.4	3.3	174.64	3.6	5.6	59.3	52.7	6.58	9.010		
2,000.0	1,998.6	1,998.6	1,998.6	3.6	3.5	175.03	3.6	5.6	64.1	57.1	6.93	9.240		
2,100.0	2,098.5	2,098.5	2,098.5	3.8	3.6	175.38	3.6	5.6	68.8	61.5	7.28	9.448		
2,200.0	2,198.4	2,198.4	2,198.4	4.0	3.8	175.68	3.6	5.6	73.5	65.9	7.63	9.638		
2,300.0	2,298.3	2,298.3	2,298.3	4.2	4.0	175.94	3.6	5.6	78.3	70.3	7.98	9.811		
2,400.0	2,398.2	2,398.2	2,398.2	4.4	4.2	176.17	3.6	5.6	83.0	74.7	8.33	9.969		
2,500.0	2,498.1	2,498.1	2,498.1	4.6	4.3	176.38	3.6	5.6	87.8	79.1	8.68	10.115		
2,600.0	2,597.9	2,597.9	2,597.9	4.8	4.5	176.56	3.6	5.6	92.5	83.5	9.02	10.250		
2,700.0	2,697.8	2,697.8	2,697.8	5.0	4.7	176.73	3.6	5.6	97.3	87.9	9.37	10.375		
2,800.0	2,797.7	2,797.7	2,797.7	5.2	4.9	176.88	3.6	5.6	102.0	92.3	9.72	10.491		
2,900.0	2,897.6	2,897.6	2,897.6	5.4	5.0	177.02	3.6	5.6	106.7	96.7	10.07	10.599		
3,000.0	2,997.5	2,997.5	2,997.5	5.6	5.2	177.15	3.6	5.6	111.5	101.1	10.42	10.700		
3,100.0	3,097.4	3,097.4	3,097.4	5.7	5.4	177.27	3.6	5.6	116.2	105.5	10.77	10.795		
3,200.0	3,197.3	3,197.3	3,197.3	5.9	5.6	177.37	3.6	5.6	121.0	109.9	11.12	10.883		
3,300.0	3,297.2	3,297.2	3,297.2	6.1	5.7	177.47	3.6	5.6	125.7	114.3	11.47	10.967		
3,400.0	3,397.0	3,397.0	3,397.0	6.3	5.9	177.56	3.6	5.6	130.5	118.7	11.81	11.045		
3,500.0	3,496.9	3,496.9	3,496.9	6.5	6.1	177.65	3.6	5.6	135.2	123.1	12.16	11.119		
3,600.0	3,596.8	3,596.8	3,596.8	6.7	6.3	177.73	3.6	5.6	140.0	127.5	12.51	11.188		
3,700.0	3,696.7	3,696.7	3,696.7	6.9	6.4	177.80	3.6	5.6	144.7	131.9	12.86	11.254		
3,800.0	3,796.6	3,796.6	3,796.6	7.1	6.6	177.87	3.6	5.6	149.5	136.3	13.21	11.317		
3,900.0	3,896.5	3,896.5	3,896.5	7.3	6.8	177.94	3.6	5.6	154.2	140.7	13.56	11.376		
4,000.0	3,996.4	3,996.4	3,996.4	7.5	7.0	178.00	3.6	5.6	159.0	145.1	13.91	11.433		
4,100.0	4,096.2	4,096.2	4,096.2	7.7	7.1	178.06	3.6	5.6	163.8	149.5	14.26	11.486		
4,200.0	4,196.1	4,196.1	4,196.1	7.9	7.3	178.11	3.6	5.6	168.5	153.9	14.61	11.537		
4,300.0	4,296.0	4,296.0	4,296.0	8.1	7.5	178.17	3.6	5.6	173.3	158.3	14.95	11.586		
4,400.0	4,395.9	4,395.9	4,395.9	8.3	7.6	178.22	3.6	5.6	178.0	162.7	15.30	11.632		
4,500.0	4,495.8	4,495.8	4,495.8	8.4	7.8	178.26	3.6	5.6	182.8	167.1	15.65	11.677		
4,600.0	4,595.7	4,595.7	4,595.7	8.6	8.0	178.31	3.6	5.6	187.5	171.5	16.00	11.719		
4,700.0	4,695.6	4,695.6	4,695.6	8.8	8.2	178.35	3.6	5.6	192.3	175.9	16.35	11.760		
4,800.0	4,795.5	4,795.5	4,795.5	9.0	8.3	178.39	3.6	5.6	197.0	180.3	16.70	11.799		
4,900.0	4,895.3	4,895.3	4,895.3	9.2	8.5	178.43	3.6	5.6	201.8	184.7	17.05	11.836		
5,000.0	4,995.2	4,995.2	4,995.2	9.4	8.7	178.46	3.6	5.6	206.5	189.1	17.40	11.872		
5,100.0	5,095.1	5,095.1	5,095.1	9.6	8.9	178.50	3.6	5.6	211.3	193.5	17.74	11.907		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3F-32H-K268 - Hz - 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		
5,200.0	5,195.0	5,195.1	5,195.1		9.8	9.0	178.48	3.8	5.7	216.0	197.9	18.09	11.939	
5,300.0	5,294.9	5,295.1	5,295.1	10.0	9.2	178.08		5.4	6.2	220.7	202.3	18.44	11.968	
5,400.0	5,394.8	5,395.0	5,394.9	10.2	9.4	177.26		8.6	7.3	225.4	206.6	18.79	11.993	
5,500.0	5,494.7	5,494.8	5,494.6	10.4	9.6	176.04		13.4	9.0	230.1	211.0	19.15	12.018	
5,600.0	5,594.6	5,594.5	5,594.0	10.6	9.7	174.47		19.8	11.2	235.0	215.5	19.50	12.048	
5,700.0	5,694.4	5,694.1	5,693.4	10.8	9.9	172.88		26.5	13.6	240.0	220.2	19.86	12.085	
5,800.0	5,794.3	5,793.8	5,792.8	11.0	10.1	171.35		33.2	15.9	245.2	225.0	20.22	12.127	
5,900.0	5,894.2	5,893.4	5,892.2	11.1	10.3	169.89		39.9	18.3	250.6	230.1	20.59	12.175	
6,000.0	5,994.1	5,993.1	5,991.6	11.3	10.5	168.50		46.7	20.6	256.2	235.2	20.95	12.228	
6,100.0	6,094.0	6,092.7	6,091.0	11.5	10.7	167.16		53.4	23.0	261.9	240.6	21.32	12.284	
6,200.0	6,193.9	6,192.4	6,190.4	11.7	10.8	165.88		60.1	25.3	267.7	246.0	21.69	12.344	
6,300.0	6,293.8	6,292.0	6,289.8	11.9	11.0	164.65		66.8	27.7	273.7	251.6	22.06	12.406	
6,400.0	6,393.6	6,391.7	6,389.2	12.1	11.2	163.48		73.5	30.0	279.8	257.3	22.43	12.472	
6,500.0	6,493.5	6,491.3	6,488.6	12.3	11.4	162.36		80.2	32.4	286.0	263.2	22.81	12.539	
6,600.0	6,593.4	6,591.0	6,588.0	12.5	11.6	161.28		86.9	34.7	292.3	269.1	23.18	12.608	
6,700.0	6,693.3	6,690.7	6,687.4	12.7	11.8	160.26		93.6	37.1	298.7	275.1	23.56	12.678	
6,800.0	6,793.2	6,790.3	6,786.8	12.9	12.0	159.27		100.4	39.4	305.1	281.2	23.93	12.750	
6,900.0	6,892.8	6,889.1	6,885.3	13.0	12.2	-105.65		107.0	41.7	311.6	287.3	24.29	12.831	
7,000.0	6,989.7	6,984.0	6,980.1	13.2	12.3	-101.71		113.4	44.0	319.7	295.1	24.60	12.997	
7,100.0	7,081.0	7,083.2	7,079.1	13.3	12.5	-104.88		113.8	46.3	332.2	307.4	24.80	13.398	
7,200.0	7,163.9	7,192.2	7,186.2	13.5	12.6	-109.10		94.9	48.9	348.5	323.7	24.84	14.030	
7,300.0	7,236.0	7,312.1	7,297.6	13.8	12.8	-113.33		51.0	51.5	367.1	342.3	24.79	14.807	
7,400.0	7,295.0	7,445.2	7,407.4	14.2	13.0	-117.15		-23.5	54.1	385.7	360.9	24.81	15.548	
7,500.0	7,339.1	7,592.5	7,505.4	14.8	13.5	-120.26		-132.9	56.4	401.9	376.7	25.18	15.958	
7,600.0	7,367.0	7,752.8	7,576.6	15.6	14.5	-122.33		-275.9	58.1	413.2	386.9	26.26	15.734	
7,700.0	7,377.9	7,921.2	7,605.8	16.6	16.1	-123.10		-441.3	58.8	417.5	389.3	28.27	14.772	
7,800.0	7,378.0	8,027.8	7,606.0	17.6	17.2	-123.10		-547.9	58.8	417.6	387.3	30.20	13.824	
7,900.0	7,378.0	8,127.8	7,606.0	18.8	18.5	-123.10		-647.9	58.8	417.6	385.3	32.22	12.958	
8,000.0	7,378.0	8,227.8	7,606.0	20.0	19.7	-123.10		-747.9	58.8	417.6	383.2	34.38	12.146	
8,100.0	7,378.0	8,327.8	7,606.0	21.4	21.1	-123.10		-847.9	58.8	417.6	380.9	36.64	11.395	
8,200.0	7,378.0	8,427.8	7,606.0	22.8	22.5	-123.10		-947.9	58.8	417.6	378.6	39.00	10.707	
8,300.0	7,378.0	8,527.8	7,606.0	24.2	24.0	-123.10		-1,047.9	58.8	417.6	376.1	41.43	10.078	
8,400.0	7,378.0	8,627.8	7,606.0	25.7	25.4	-123.10		-1,147.9	58.8	417.6	373.6	43.93	9.506	
8,500.0	7,378.0	8,727.8	7,606.0	27.2	27.0	-123.10		-1,247.9	58.8	417.6	371.1	46.47	8.985	
8,600.0	7,378.0	8,827.8	7,606.0	28.7	28.5	-123.10		-1,347.9	58.8	417.6	368.5	49.07	8.510	
8,700.0	7,378.0	8,927.8	7,606.0	30.3	30.1	-123.10		-1,447.9	58.8	417.6	365.9	51.70	8.077	
8,800.0	7,378.0	9,027.8	7,606.0	31.8	31.7	-123.10		-1,547.9	58.8	417.6	363.2	54.36	7.681	
8,900.0	7,378.0	9,127.8	7,606.0	33.4	33.3	-123.10		-1,647.9	58.8	417.6	360.5	57.05	7.319	
9,000.0	7,378.0	9,227.8	7,606.0	35.1	34.9	-123.10		-1,747.9	58.8	417.6	357.8	59.76	6.987	
9,100.0	7,378.0	9,327.8	7,606.0	36.7	36.6	-123.10		-1,847.9	58.8	417.6	355.1	62.50	6.681	
9,200.0	7,378.0	9,427.8	7,606.0	38.3	38.2	-123.10		-1,947.9	58.8	417.6	352.3	65.26	6.399	
9,300.0	7,378.0	9,527.8	7,606.0	40.0	39.9	-123.10		-2,047.9	58.8	417.6	349.5	68.03	6.138	
9,400.0	7,378.0	9,627.8	7,606.0	41.6	41.5	-123.10		-2,147.9	58.8	417.6	346.7	70.81	5.897	
9,500.0	7,378.0	9,727.8	7,606.0	43.3	43.2	-123.10		-2,247.9	58.8	417.6	343.9	73.61	5.673	
9,600.0	7,378.0	9,827.8	7,606.0	44.9	44.9	-123.10		-2,347.9	58.8	417.6	341.1	76.42	5.464	
9,700.0	7,378.0	9,927.8	7,606.0	46.6	46.5	-123.10		-2,447.9	58.8	417.6	338.3	79.24	5.270	
9,800.0	7,378.0	10,027.8	7,606.0	48.3	48.2	-123.10		-2,547.9	58.8	417.6	335.5	82.06	5.088	
9,900.0	7,378.0	10,127.8	7,606.0	50.0	49.9	-123.10		-2,647.9	58.8	417.6	332.7	84.90	4.918	
10,000.0	7,378.0	10,227.8	7,606.0	51.7	51.6	-123.10		-2,747.9	58.8	417.6	329.8	87.74	4.759	
10,100.0	7,378.0	10,327.8	7,606.0	53.4	53.3	-123.10		-2,847.9	58.8	417.6	327.0	90.59	4.609	
10,200.0	7,378.0	10,427.8	7,606.0	55.1	55.0	-123.10		-2,947.9	58.8	417.6	324.1	93.45	4.468	
10,300.0	7,378.0	10,527.8	7,606.0	56.8	56.7	-123.10		-3,047.9	58.8	417.6	321.2	96.31	4.336	

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3F-32H-K268 - Hz - 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)	
10,400.0	7,378.0	10,627.8	7,606.0	58.5	58.4	-123.10	-3,147.9	58.8	417.6	318.4	99.17	4.210		
10,500.0	7,378.0	10,727.8	7,606.0	60.2	60.1	-123.10	-3,247.9	58.8	417.6	315.5	102.04	4.092		
10,600.0	7,378.0	10,827.8	7,606.0	61.9	61.9	-123.10	-3,347.9	58.8	417.6	312.6	104.92	3.980		
10,700.0	7,378.0	10,927.8	7,606.0	63.6	63.6	-123.10	-3,447.9	58.8	417.6	309.8	107.80	3.873		
10,800.0	7,378.0	11,027.8	7,606.0	65.3	65.3	-123.10	-3,547.9	58.8	417.6	306.9	110.68	3.773		
10,900.0	7,378.0	11,127.8	7,606.0	67.0	67.0	-123.10	-3,647.9	58.8	417.6	304.0	113.57	3.677		
11,000.0	7,378.0	11,227.8	7,606.0	68.8	68.7	-123.10	-3,747.9	58.8	417.6	301.1	116.46	3.586		
11,100.0	7,378.0	11,327.8	7,606.0	70.5	70.5	-123.10	-3,847.9	58.8	417.6	298.2	119.35	3.499		
11,200.0	7,378.0	11,427.8	7,606.0	72.2	72.2	-123.10	-3,947.9	58.8	417.6	295.3	122.24	3.416		
11,300.0	7,378.0	11,527.8	7,606.0	73.9	73.9	-123.10	-4,047.9	58.8	417.6	292.4	125.14	3.337		
11,400.0	7,378.0	11,627.8	7,606.0	75.7	75.6	-123.10	-4,147.9	58.8	417.6	289.5	128.04	3.261		
11,500.0	7,378.0	11,727.8	7,606.0	77.4	77.4	-123.10	-4,247.9	58.8	417.6	286.6	130.94	3.189		
11,600.0	7,378.0	11,827.8	7,606.0	79.1	79.1	-123.10	-4,347.9	58.8	417.6	283.7	133.84	3.120		
11,700.0	7,378.0	11,927.8	7,606.0	80.8	80.8	-123.10	-4,447.9	58.8	417.6	280.8	136.75	3.054		
11,800.0	7,378.0	12,027.8	7,606.0	82.6	82.6	-123.10	-4,547.9	58.8	417.6	277.9	139.65	2.990		
11,900.0	7,378.0	12,127.8	7,606.0	84.3	84.3	-123.10	-4,647.9	58.8	417.6	275.0	142.56	2.929		
12,000.0	7,378.0	12,227.8	7,606.0	86.0	86.0	-123.10	-4,747.9	58.8	417.6	272.1	145.47	2.870		
12,100.0	7,378.0	12,327.8	7,606.0	87.8	87.8	-123.10	-4,847.9	58.8	417.6	269.2	148.38	2.814		
12,200.0	7,378.0	12,427.8	7,606.0	89.5	89.5	-123.10	-4,947.9	58.8	417.6	266.3	151.29	2.760		
12,300.0	7,378.0	12,527.8	7,606.0	91.2	91.2	-123.10	-5,047.9	58.8	417.6	263.3	154.21	2.708		
12,400.0	7,378.0	12,627.8	7,606.0	93.0	93.0	-123.10	-5,147.9	58.8	417.6	260.4	157.12	2.657		
12,500.0	7,378.0	12,727.8	7,606.0	94.7	94.7	-123.10	-5,247.9	58.8	417.6	257.5	160.04	2.609		
12,600.0	7,378.0	12,827.8	7,606.0	96.4	96.4	-123.10	-5,347.9	58.8	417.6	254.6	162.96	2.562		
12,700.0	7,378.0	12,927.8	7,606.0	98.2	98.2	-123.10	-5,447.9	58.8	417.6	251.7	165.88	2.517		
12,800.0	7,378.0	13,027.8	7,606.0	99.9	99.9	-123.10	-5,547.9	58.8	417.6	248.8	168.80	2.474		
12,900.0	7,378.0	13,127.8	7,606.0	101.6	101.7	-123.10	-5,647.9	58.8	417.6	245.8	171.72	2.432		
13,000.0	7,378.0	13,227.8	7,606.0	103.4	103.4	-123.10	-5,747.9	58.8	417.6	242.9	174.64	2.391		
13,100.0	7,378.0	13,327.8	7,606.0	105.1	105.1	-123.10	-5,847.9	58.8	417.6	240.0	177.56	2.352		
13,200.0	7,378.0	13,427.8	7,606.0	106.9	106.9	-123.10	-5,947.9	58.8	417.6	237.1	180.48	2.314		
13,300.0	7,378.0	13,527.8	7,606.0	108.6	108.6	-123.10	-6,047.9	58.8	417.6	234.1	183.41	2.277		
13,400.0	7,378.0	13,627.8	7,606.0	110.3	110.4	-123.10	-6,147.9	58.8	417.6	231.2	186.33	2.241		
13,500.0	7,378.0	13,727.8	7,606.0	112.1	112.1	-123.10	-6,247.9	58.8	417.6	228.3	189.25	2.206		
13,600.0	7,378.0	13,827.8	7,606.0	113.8	113.8	-123.10	-6,347.9	58.8	417.6	225.4	192.18	2.173		
13,700.0	7,378.0	13,927.8	7,606.0	115.6	115.6	-123.10	-6,447.9	58.8	417.6	222.4	195.11	2.140		
13,800.0	7,378.0	14,027.8	7,606.0	117.3	117.3	-123.10	-6,547.9	58.8	417.6	219.5	198.03	2.109		
13,900.0	7,378.0	14,127.8	7,606.0	119.1	119.1	-123.10	-6,647.9	58.8	417.6	216.6	200.96	2.078		
13,918.4	7,378.0	14,146.3	7,606.0	119.4	119.4	-123.10	-6,666.3	58.8	417.6	216.1	201.50	2.072 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3G-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	89.98	0.0	11.2	11.2					
100.0	100.0	100.0	100.0	0.2	0.2	89.98	0.0	11.2	11.2	10.9	0.30	36.850		
200.0	200.0	200.0	200.0	0.3	0.3	89.98	0.0	11.2	11.2	10.5	0.65	17.144		
300.0	300.0	300.0	300.0	0.5	0.5	89.98	0.0	11.2	11.2	10.2	1.00	11.171		
400.0	400.0	400.0	400.0	0.7	0.7	89.98	0.0	11.2	11.2	9.8	1.35	8.284 CC, ES		
500.0	500.0	499.8	499.8	0.8	0.9	88.76	0.3	12.0	12.0	10.3	1.70	7.074 SF		
600.0	600.0	599.5	599.5	1.0	1.0	85.96	1.0	14.5	14.6	12.5	2.05	7.093		
700.0	700.0	699.1	699.0	1.2	1.2	151.24	2.3	18.7	19.6	17.2	2.40	8.169		
800.0	800.0	798.6	798.3	1.4	1.4	151.41	4.0	24.3	27.7	24.9	2.75	10.072		
900.0	899.9	898.1	897.6	1.6	1.6	152.65	5.8	30.1	37.4	34.3	3.09	12.098		
1,000.0	999.8	997.6	996.9	1.7	1.8	153.64	7.6	35.9	47.7	44.2	3.45	13.828		
1,100.0	1,099.6	1,097.1	1,096.2	1.9	2.0	154.28	9.4	41.8	57.9	54.1	3.80	15.239		
1,200.0	1,199.5	1,196.5	1,195.5	2.1	2.2	154.73	11.2	47.6	68.1	63.9	4.15	16.411		
1,300.0	1,299.4	1,296.0	1,294.8	2.3	2.4	155.06	13.0	53.5	78.3	73.8	4.50	17.399		
1,400.0	1,399.3	1,395.5	1,394.1	2.5	2.6	155.31	14.8	59.3	88.6	83.7	4.85	18.244		
1,500.0	1,499.2	1,495.0	1,493.3	2.7	2.8	155.52	16.6	65.2	98.8	93.6	5.21	18.973		
1,600.0	1,599.1	1,594.4	1,592.6	2.9	3.0	155.68	18.4	71.0	109.0	103.5	5.56	19.611		
1,700.0	1,699.0	1,693.9	1,691.9	3.1	3.2	155.82	20.2	76.8	119.3	113.3	5.91	20.171		
1,800.0	1,798.8	1,793.4	1,791.2	3.3	3.4	155.93	22.0	82.7	129.5	123.2	6.26	20.669		
1,900.0	1,898.7	1,892.9	1,890.5	3.4	3.6	156.03	23.8	88.5	139.7	133.1	6.62	21.113		
2,000.0	1,998.6	1,992.3	1,989.8	3.6	3.8	156.11	25.6	94.4	150.0	143.0	6.97	21.512		
2,100.0	2,098.5	2,091.8	2,089.1	3.8	4.0	156.19	27.4	100.2	160.2	152.9	7.32	21.873		
2,200.0	2,198.4	2,191.3	2,188.4	4.0	4.2	156.25	29.2	106.0	170.4	162.7	7.68	22.200		
2,300.0	2,298.3	2,290.8	2,287.6	4.2	4.4	156.31	31.0	111.9	180.7	172.6	8.03	22.499		
2,400.0	2,398.2	2,390.2	2,386.9	4.4	4.6	156.36	32.8	117.7	190.9	182.5	8.38	22.772		
2,500.0	2,498.1	2,489.7	2,486.2	4.6	4.8	156.41	34.6	123.6	201.1	192.4	8.74	23.023		
2,600.0	2,597.9	2,589.2	2,585.5	4.8	5.0	156.45	36.4	129.4	211.4	202.3	9.09	23.254		
2,700.0	2,697.8	2,688.7	2,684.8	5.0	5.2	156.48	38.2	135.3	221.6	212.2	9.44	23.469		
2,800.0	2,797.7	2,788.1	2,784.1	5.2	5.4	156.52	40.0	141.1	231.8	222.0	9.80	23.667		
2,900.0	2,897.6	2,887.6	2,883.4	5.4	5.6	156.55	41.8	146.9	242.1	231.9	10.15	23.852		
3,000.0	2,997.5	2,987.1	2,982.6	5.6	5.8	156.58	43.6	152.8	252.3	241.8	10.50	24.024		
3,100.0	3,097.4	3,086.6	3,081.9	5.7	6.0	156.61	45.4	158.6	262.5	251.7	10.86	24.186		
3,200.0	3,197.3	3,186.0	3,181.2	5.9	6.2	156.63	47.2	164.5	272.8	261.6	11.21	24.336		
3,300.0	3,297.2	3,285.5	3,280.5	6.1	6.4	156.65	49.0	170.3	283.0	271.4	11.56	24.478		
3,400.0	3,397.0	3,385.0	3,379.8	6.3	6.6	156.68	50.8	176.1	293.2	281.3	11.92	24.611		
3,500.0	3,496.9	3,484.5	3,479.1	6.5	6.8	156.69	52.6	182.0	303.5	291.2	12.27	24.737		
3,600.0	3,596.8	3,583.9	3,578.4	6.7	7.0	156.71	54.4	187.8	313.7	301.1	12.62	24.855		
3,700.0	3,696.7	3,683.4	3,677.7	6.9	7.2	156.73	56.2	193.7	324.0	311.0	12.98	24.967		
3,800.0	3,796.6	3,782.9	3,776.9	7.1	7.5	156.75	57.9	199.5	334.2	320.9	13.33	25.074		
3,900.0	3,896.5	3,882.4	3,876.2	7.3	7.7	156.76	59.7	205.3	344.4	330.7	13.68	25.174		
4,000.0	3,996.4	3,981.8	3,975.5	7.5	7.9	156.78	61.5	211.2	354.7	340.6	14.04	25.270		
4,100.0	4,096.2	4,081.3	4,074.8	7.7	8.1	156.79	63.3	217.0	364.9	350.5	14.39	25.361		
4,200.0	4,196.1	4,180.8	4,174.1	7.9	8.3	156.80	65.1	222.9	375.1	360.4	14.74	25.447		
4,300.0	4,296.0	4,280.3	4,273.4	8.1	8.5	156.82	66.9	228.7	385.4	370.3	15.10	25.529		
4,400.0	4,395.9	4,379.7	4,372.7	8.3	8.7	156.83	68.7	234.6	395.6	380.2	15.45	25.608		
4,500.0	4,495.8	4,479.2	4,471.9	8.4	8.9	156.84	70.5	240.4	405.8	390.0	15.80	25.683		
4,600.0	4,595.7	4,578.7	4,571.2	8.6	9.1	156.85	72.3	246.2	416.1	399.9	16.16	25.755		
4,700.0	4,695.6	4,678.2	4,670.5	8.8	9.3	156.86	74.1	252.1	426.3	409.8	16.51	25.824		
4,800.0	4,795.5	4,777.6	4,769.8	9.0	9.5	156.87	75.9	257.9	436.6	419.7	16.86	25.890		
4,900.0	4,895.3	4,877.1	4,869.1	9.2	9.7	156.88	77.7	263.8	446.8	429.6	17.22	25.953		
5,000.0	4,995.2	4,976.6	4,968.4	9.4	9.9	156.89	79.5	269.6	457.0	439.5	17.57	26.013		
5,100.0	5,095.1	5,076.1	5,067.7	9.6	10.1	156.89	81.3	275.4	467.3	449.3	17.92	26.071		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													S32-T2N-R68W (File) - File 3G-32H-K268 - Hz - 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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
5,200.0	5,195.0	5,175.5	5,167.0	9.8	10.3	156.90	83.1	281.3	477.5	459.2	18.28	26.127					
5,300.0	5,294.9	5,275.0	5,266.2	10.0	10.5	156.91	84.9	287.1	487.7	469.1	18.63	26.181					
5,400.0	5,394.8	5,374.5	5,365.5	10.2	10.7	156.92	86.7	293.0	498.0	479.0	18.98	26.233					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3H-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	77.74	3.6	16.8	17.2					
100.0	100.0	100.0	100.0	0.2	0.2	77.74	3.6	16.8	17.2	16.9	0.30	56.565		
200.0	200.0	200.0	200.0	0.3	0.3	77.74	3.6	16.8	17.2	16.5	0.65	26.316		
300.0	300.0	300.0	300.0	0.5	0.5	77.74	3.6	16.8	17.2	16.2	1.00	17.147		
333.3	333.3	333.3	333.3	0.6	0.6	77.74	3.6	16.8	17.2	16.1	1.12	15.363 CC		
400.0	400.0	399.8	399.8	0.7	0.7	77.78	3.7	17.0	17.4	16.0	1.35	12.879 ES		
500.0	500.0	499.5	499.5	0.8	0.9	78.04	4.0	18.7	19.1	17.4	1.70	11.252		
600.0	600.0	599.1	599.0	1.0	1.0	78.45	4.5	22.1	22.6	20.6	2.05	11.006 SF		
700.0	700.0	698.5	698.3	1.2	1.2	146.83	5.4	27.2	28.5	26.1	2.40	11.917		
800.0	800.0	797.5	797.0	1.4	1.4	149.11	6.5	34.0	37.7	35.0	2.74	13.747		
900.0	899.9	895.9	895.1	1.6	1.6	151.32	7.9	42.4	50.1	47.0	3.09	16.207		
1,000.0	999.8	994.2	992.8	1.7	1.9	152.74	9.5	52.4	64.5	61.1	3.44	18.772		
1,100.0	1,099.6	1,093.0	1,091.1	1.9	2.1	153.62	11.2	63.0	79.5	75.7	3.79	20.991		
1,200.0	1,199.5	1,191.9	1,189.4	2.1	2.3	154.21	13.0	73.5	94.4	90.3	4.14	22.835		
1,300.0	1,299.4	1,290.8	1,287.7	2.3	2.6	154.65	14.7	84.0	109.4	104.9	4.49	24.391		
1,400.0	1,399.3	1,389.6	1,386.0	2.5	2.8	154.98	16.4	94.6	124.4	119.6	4.84	25.722		
1,500.0	1,499.2	1,488.5	1,484.3	2.7	3.1	155.23	18.1	105.1	139.4	134.2	5.19	26.873		
1,600.0	1,599.1	1,587.4	1,582.6	2.9	3.3	155.44	19.9	115.6	154.4	148.8	5.54	27.877		
1,700.0	1,699.0	1,686.2	1,680.9	3.1	3.6	155.61	21.6	126.2	169.4	163.5	5.89	28.762		
1,800.0	1,798.8	1,785.1	1,779.1	3.3	3.8	155.76	23.3	136.7	184.4	178.1	6.24	29.547		
1,900.0	1,898.7	1,884.0	1,877.4	3.4	4.1	155.88	25.1	147.2	199.3	192.8	6.59	30.247		
2,000.0	1,998.6	1,982.9	1,975.7	3.6	4.3	155.98	26.8	157.8	214.3	207.4	6.94	30.877		
2,100.0	2,098.5	2,081.7	2,074.0	3.8	4.6	156.07	28.5	168.3	229.3	222.0	7.29	31.446		
2,200.0	2,198.4	2,180.6	2,172.3	4.0	4.8	156.15	30.2	178.8	244.3	236.7	7.64	31.963		
2,300.0	2,298.3	2,279.5	2,270.6	4.2	5.1	156.22	32.0	189.4	259.3	251.3	8.00	32.433		
2,400.0	2,398.2	2,378.3	2,368.9	4.4	5.3	156.29	33.7	199.9	274.3	266.0	8.35	32.865		
2,500.0	2,498.1	2,477.2	2,467.2	4.6	5.6	156.34	35.4	210.4	289.3	280.6	8.70	33.261		
2,600.0	2,597.9	2,576.1	2,565.5	4.8	5.8	156.39	37.2	221.0	304.3	295.3	9.05	33.626		
2,700.0	2,697.8	2,674.9	2,663.8	5.0	6.1	156.44	38.9	231.5	319.3	309.9	9.40	33.964		
2,800.0	2,797.7	2,773.8	2,762.1	5.2	6.3	156.48	40.6	242.0	334.3	324.5	9.75	34.278		
2,900.0	2,897.6	2,872.7	2,860.3	5.4	6.6	156.52	42.3	252.6	349.3	339.2	10.10	34.569		
3,000.0	2,997.5	2,971.5	2,958.6	5.6	6.8	156.55	44.1	263.1	364.3	353.8	10.46	34.841		
3,100.0	3,097.4	3,070.4	3,056.9	5.7	7.1	156.59	45.8	273.6	379.3	368.5	10.81	35.096		
3,200.0	3,197.3	3,169.3	3,155.2	5.9	7.3	156.62	47.5	284.2	394.3	383.1	11.16	35.334		
3,300.0	3,297.2	3,268.2	3,253.5	6.1	7.6	156.64	49.3	294.7	409.3	397.8	11.51	35.557		
3,400.0	3,397.0	3,367.0	3,351.8	6.3	7.8	156.67	51.0	305.3	424.3	412.4	11.86	35.768		
3,500.0	3,496.9	3,465.9	3,450.1	6.5	8.1	156.69	52.7	315.8	439.3	427.0	12.21	35.966		
3,600.0	3,596.8	3,564.8	3,548.4	6.7	8.3	156.72	54.4	326.3	454.3	441.7	12.56	36.153		
3,700.0	3,696.7	3,663.6	3,646.7	6.9	8.6	156.74	56.2	336.9	469.3	456.3	12.92	36.330		
3,800.0	3,796.6	3,762.5	3,745.0	7.1	8.9	156.76	57.9	347.4	484.3	471.0	13.27	36.497		
3,900.0	3,896.5	3,861.4	3,843.3	7.3	9.1	156.78	59.6	357.9	499.2	485.6	13.62	36.656		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3I-32H-K268 - Hz - 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	89.99	0.0	30.8	30.8					
100.0	100.0	100.0	100.0	0.2	0.2	89.99	0.0	30.8	30.8	30.5	0.30	101.338		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	30.8	30.8	30.1	0.65	47.147		
300.0	300.0	300.5	300.5	0.5	0.5	90.61	-0.3	30.0	30.0	29.0	1.00	29.853		
400.0	400.0	400.9	400.9	0.7	0.7	92.68	-1.3	27.5	27.5	26.2	1.36	20.270		
500.0	500.0	501.2	501.1	0.8	0.9	97.06	-2.9	23.4	23.6	21.9	1.72	13.716		
600.0	600.0	601.4	601.0	1.0	1.1	106.22	-5.1	17.7	18.5	16.4	2.09	8.820		
700.0	700.0	701.3	700.6	1.2	1.3	-166.19	-8.0	10.4	14.0	11.5	2.46	5.682		
755.6	755.6	756.8	755.9	1.3	1.4	-148.20	-9.9	5.6	13.1	10.4	2.70	4.857 CC, ES		
800.0	800.0	801.0	799.9	1.4	1.5	-132.92	-11.5	1.5	13.7	10.8	2.89	4.747 SF		
900.0	899.9	900.6	898.8	1.6	1.8	-107.17	-15.7	-9.0	18.8	15.6	3.28	5.741		
1,000.0	999.8	999.8	997.2	1.7	2.0	-92.10	-20.4	-21.1	27.2	23.5	3.65	7.457		
1,100.0	1,099.6	1,098.7	1,095.0	1.9	2.3	-82.72	-25.8	-34.7	37.8	33.8	4.00	9.452		
1,200.0	1,199.5	1,197.1	1,192.1	2.1	2.7	-76.48	-31.7	-49.7	50.5	46.1	4.36	11.579		
1,300.0	1,299.4	1,295.1	1,288.5	2.3	3.0	-72.05	-38.3	-66.3	65.0	60.3	4.72	13.775		
1,400.0	1,399.3	1,392.6	1,384.0	2.5	3.4	-68.75	-45.3	-84.3	81.3	76.2	5.08	16.010		
1,500.0	1,499.2	1,489.5	1,478.6	2.7	3.8	-66.20	-53.0	-103.6	99.3	93.9	5.44	18.268		
1,600.0	1,599.1	1,585.7	1,572.2	2.9	4.2	-64.16	-61.1	-124.4	119.0	113.2	5.79	20.540		
1,700.0	1,699.0	1,682.3	1,665.9	3.1	4.6	-62.50	-69.9	-146.5	140.2	134.1	6.15	22.791		
1,800.0	1,798.8	1,779.9	1,760.5	3.3	5.1	-61.24	-78.7	-169.0	161.7	155.2	6.51	24.827		
1,900.0	1,898.7	1,877.5	1,855.0	3.4	5.5	-60.27	-87.6	-191.5	183.3	176.4	6.88	26.653		
2,000.0	1,998.6	1,975.2	1,949.6	3.6	6.0	-59.51	-96.5	-214.0	204.9	197.6	7.24	28.297		
2,100.0	2,098.5	2,072.8	2,044.1	3.8	6.4	-58.89	-105.4	-236.5	226.5	218.9	7.60	29.785		
2,200.0	2,198.4	2,170.4	2,138.7	4.0	6.9	-58.38	-114.2	-259.0	248.1	240.2	7.97	31.137		
2,300.0	2,298.3	2,268.0	2,233.3	4.2	7.3	-57.96	-123.1	-281.6	269.8	261.5	8.33	32.372		
2,400.0	2,398.2	2,365.6	2,327.8	4.4	7.8	-57.59	-132.0	-304.1	291.5	282.8	8.70	33.503		
2,500.0	2,498.1	2,463.2	2,422.4	4.6	8.2	-57.28	-140.9	-326.6	313.1	304.1	9.07	34.542		
2,600.0	2,597.9	2,560.8	2,516.9	4.8	8.7	-57.01	-149.7	-349.1	334.8	325.4	9.43	35.501		
2,700.0	2,697.8	2,658.4	2,611.5	5.0	9.2	-56.77	-158.6	-371.6	356.5	346.7	9.80	36.389		
2,800.0	2,797.7	2,756.0	2,706.1	5.2	9.6	-56.55	-167.5	-394.1	378.2	368.1	10.16	37.212		
2,900.0	2,897.6	2,853.6	2,800.6	5.4	10.1	-56.36	-176.4	-416.7	399.9	389.4	10.53	37.978		
3,000.0	2,997.5	2,951.2	2,895.2	5.6	10.5	-56.19	-185.2	-439.2	421.6	410.7	10.90	38.693		
3,100.0	3,097.4	3,048.8	2,989.7	5.7	11.0	-56.04	-194.1	-461.7	443.3	432.1	11.26	39.361		
3,200.0	3,197.3	3,146.5	3,084.3	5.9	11.5	-55.90	-203.0	-484.2	465.1	453.4	11.63	39.986		
3,300.0	3,297.2	3,244.1	3,178.9	6.1	11.9	-55.78	-211.9	-506.7	486.8	474.8	12.00	40.574		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3J-32H-K268 - Hz - 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		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	84.27	3.7	36.4	36.6					
100.0	100.0	100.0	100.0	0.2	0.2	84.27	3.7	36.4	36.6	36.2	0.30	120.365		
200.0	200.0	200.0	200.0	0.3	0.3	84.27	3.7	36.4	36.6	35.9	0.65	55.999		
300.0	300.0	300.3	300.3	0.5	0.5	84.39	3.6	36.2	36.3	35.3	1.00	36.262		
400.0	400.0	400.9	400.8	0.7	0.7	85.45	2.8	34.6	34.7	33.4	1.35	25.631		
500.0	500.0	501.3	501.3	0.8	0.9	87.88	1.2	31.5	31.5	29.8	1.71	18.396		
600.0	600.0	601.7	601.4	1.0	1.1	92.61	-1.2	26.7	26.8	24.7	2.08	12.897		
700.0	700.0	701.8	701.3	1.2	1.3	169.55	-4.4	20.5	21.8	19.4	2.42	9.010		
800.0	800.0	801.8	800.9	1.4	1.5	-171.61	-8.3	12.7	18.6	15.8	2.83	6.599		
840.9	840.9	842.6	841.6	1.5	1.6	-161.41	-10.2	9.0	18.3	15.3	3.01	6.087 CC, ES		
900.0	899.9	901.5	900.1	1.6	1.7	-146.15	-13.1	3.4	19.2	16.0	3.27	5.886 SF		
1,000.0	999.8	1,001.0	998.8	1.7	2.0	-122.70	-18.5	-7.5	23.8	20.1	3.69	6.444		
1,100.0	1,099.6	1,100.0	1,096.9	1.9	2.3	-105.75	-24.8	-19.8	31.9	27.8	4.08	7.817		
1,200.0	1,199.5	1,198.8	1,194.5	2.1	2.6	-94.45	-31.7	-33.6	42.8	38.3	4.44	9.631		
1,300.0	1,299.4	1,297.1	1,291.3	2.3	2.9	-86.81	-39.4	-48.8	56.0	51.2	4.80	11.668		
1,400.0	1,399.3	1,394.8	1,387.2	2.5	3.2	-81.42	-47.8	-65.3	71.3	66.1	5.16	13.820		
1,500.0	1,499.2	1,492.5	1,482.8	2.7	3.6	-77.45	-56.9	-83.3	88.3	82.8	5.51	16.022		
1,600.0	1,599.1	1,590.8	1,579.0	2.9	4.0	-74.67	-66.2	-101.6	106.0	100.1	5.87	18.044		
1,700.0	1,699.0	1,689.1	1,675.1	3.1	4.4	-72.68	-75.5	-120.0	123.8	117.6	6.24	19.851		
1,800.0	1,798.8	1,787.5	1,771.2	3.3	4.8	-71.20	-84.7	-138.3	141.8	135.2	6.60	21.467		
1,900.0	1,898.7	1,885.8	1,867.4	3.4	5.2	-70.05	-94.0	-156.7	159.8	152.8	6.97	22.919		
2,000.0	1,998.6	1,984.1	1,963.5	3.6	5.6	-69.13	-103.3	-175.0	177.9	170.5	7.34	24.229		
2,100.0	2,098.5	2,082.4	2,059.7	3.8	5.9	-68.38	-112.6	-193.4	196.0	188.3	7.71	25.415		
2,200.0	2,198.4	2,180.7	2,155.8	4.0	6.3	-67.76	-121.9	-211.7	214.1	206.0	8.08	26.495		
2,300.0	2,298.3	2,279.1	2,252.0	4.2	6.7	-67.24	-131.2	-230.1	232.2	223.8	8.45	27.480		
2,400.0	2,398.2	2,377.4	2,348.1	4.4	7.1	-66.79	-140.5	-248.4	250.4	241.6	8.82	28.383		
2,500.0	2,498.1	2,475.7	2,444.2	4.6	7.5	-66.40	-149.7	-266.8	268.6	259.4	9.19	29.213		
2,600.0	2,597.9	2,574.0	2,540.4	4.8	7.9	-66.06	-159.0	-285.1	286.8	277.2	9.57	29.979		
2,700.0	2,697.8	2,672.3	2,636.5	5.0	8.3	-65.77	-168.3	-303.5	305.0	295.0	9.94	30.688		
2,800.0	2,797.7	2,770.6	2,732.7	5.2	8.7	-65.50	-177.6	-321.8	323.2	312.9	10.31	31.346		
2,900.0	2,897.6	2,869.0	2,828.8	5.4	9.1	-65.26	-186.9	-340.2	341.4	330.7	10.68	31.958		
3,000.0	2,997.5	2,967.3	2,925.0	5.6	9.5	-65.05	-196.2	-358.5	359.6	348.5	11.05	32.529		
3,100.0	3,097.4	3,065.6	3,021.1	5.7	9.9	-64.86	-205.5	-376.9	377.8	366.4	11.43	33.062		
3,200.0	3,197.3	3,163.9	3,117.3	5.9	10.3	-64.69	-214.7	-395.2	396.0	384.2	11.80	33.562		
3,300.0	3,297.2	3,262.2	3,213.4	6.1	10.7	-64.53	-224.0	-413.6	414.3	402.1	12.17	34.032		
3,400.0	3,397.0	3,360.6	3,309.5	6.3	11.1	-64.38	-233.3	-431.9	432.5	419.9	12.55	34.473		
3,500.0	3,496.9	3,458.9	3,405.7	6.5	11.5	-64.25	-242.6	-450.3	450.7	437.8	12.92	34.889		
3,600.0	3,596.8	3,557.2	3,501.8	6.7	11.9	-64.12	-251.9	-468.6	469.0	455.7	13.29	35.282		
3,700.0	3,696.7	3,655.5	3,598.0	6.9	12.3	-64.01	-261.2	-487.0	487.2	473.5	13.67	35.653		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3K-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	89.99	0.0	42.0	42.0					
100.0	100.0	100.0	100.0	0.2	0.2	89.99	0.0	42.0	42.0	41.7	0.30	138.188		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	42.0	42.0	41.3	0.65	64.291		
300.0	300.0	300.0	300.0	0.5	0.5	89.99	0.0	42.0	42.0	41.0	1.00	41.890		
400.0	400.0	400.3	400.3	0.7	0.7	90.16	-0.1	41.8	41.8	40.4	1.35	30.919		
500.0	500.0	500.9	500.9	0.8	0.9	91.60	-1.1	40.3	40.4	38.7	1.70	23.699		
600.0	600.0	601.4	601.3	1.0	1.0	94.80	-3.1	37.4	37.6	35.5	2.06	18.260		
700.0	700.0	701.7	701.5	1.2	1.2	167.88	-6.2	33.1	34.6	32.2	2.41	14.325		
800.0	800.0	801.9	801.4	1.4	1.4	177.70	-10.2	27.4	32.7	29.9	2.78	11.746		
844.9	844.8	846.8	846.2	1.5	1.5	-176.76	-12.3	24.3	32.4	29.5	2.96	10.964 CC, ES		
900.0	899.9	901.9	901.0	1.6	1.6	-169.32	-15.2	20.2	32.9	29.7	3.18	10.343		
1,000.0	999.8	1,001.6	1,000.2	1.7	1.9	-154.59	-21.2	11.6	34.9	31.3	3.60	9.678		
1,100.0	1,099.6	1,101.1	1,098.9	1.9	2.1	-139.66	-28.1	1.6	39.0	35.0	4.04	9.670 SF		
1,200.0	1,199.5	1,200.1	1,197.0	2.1	2.4	-126.22	-36.0	-9.7	45.9	41.5	4.46	10.286		
1,300.0	1,299.4	1,298.9	1,294.6	2.3	2.7	-115.22	-44.8	-22.3	55.5	50.6	4.87	11.400		
1,400.0	1,399.3	1,398.0	1,392.4	2.5	3.0	-107.35	-53.8	-35.2	66.8	61.5	5.25	12.708		
1,500.0	1,499.2	1,497.0	1,490.1	2.7	3.3	-101.81	-62.8	-48.2	78.9	73.3	5.63	14.011		
1,600.0	1,599.1	1,596.0	1,587.9	2.9	3.6	-97.77	-71.9	-61.2	91.6	85.6	6.01	15.245		
1,700.0	1,699.0	1,695.0	1,685.6	3.1	3.9	-94.72	-80.9	-74.1	104.7	98.3	6.39	16.388		
1,800.0	1,798.8	1,794.0	1,783.3	3.3	4.2	-92.35	-89.9	-87.1	117.9	111.2	6.76	17.437		
1,900.0	1,898.7	1,893.0	1,881.1	3.4	4.6	-90.46	-99.0	-100.0	131.4	124.2	7.14	18.397		
2,000.0	1,998.6	1,992.0	1,978.8	3.6	4.9	-88.92	-108.0	-113.0	144.9	137.4	7.52	19.275		
2,100.0	2,098.5	2,091.0	2,076.6	3.8	5.2	-87.65	-117.0	-125.9	158.5	150.6	7.89	20.079		
2,200.0	2,198.4	2,190.1	2,174.3	4.0	5.5	-86.58	-126.0	-138.9	172.2	163.9	8.27	20.817		
2,300.0	2,298.3	2,289.1	2,272.1	4.2	5.8	-85.66	-135.1	-151.8	185.9	177.3	8.65	21.494		
2,400.0	2,398.2	2,388.1	2,369.8	4.4	6.2	-84.87	-144.1	-164.8	199.7	190.7	9.03	22.119		
2,500.0	2,498.1	2,487.1	2,467.6	4.6	6.5	-84.19	-153.1	-177.7	213.5	204.1	9.41	22.696		
2,600.0	2,597.9	2,586.1	2,565.3	4.8	6.8	-83.58	-162.2	-190.7	227.4	217.6	9.79	23.231		
2,700.0	2,697.8	2,685.1	2,663.0	5.0	7.1	-83.05	-171.2	-203.7	241.2	231.0	10.17	23.728		
2,800.0	2,797.7	2,784.1	2,760.8	5.2	7.5	-82.57	-180.2	-216.6	255.1	244.5	10.55	24.190		
2,900.0	2,897.6	2,883.1	2,858.5	5.4	7.8	-82.15	-189.3	-229.6	269.0	258.1	10.92	24.621		
3,000.0	2,997.5	2,982.1	2,956.3	5.6	8.1	-81.76	-198.3	-242.5	282.9	271.6	11.30	25.024		
3,100.0	3,097.4	3,081.2	3,054.0	5.7	8.4	-81.41	-207.3	-255.5	296.8	285.1	11.68	25.401		
3,200.0	3,197.3	3,180.2	3,151.8	5.9	8.8	-81.09	-216.4	-268.4	310.7	298.7	12.06	25.755		
3,300.0	3,297.2	3,279.2	3,249.5	6.1	9.1	-80.80	-225.4	-281.4	324.7	312.2	12.44	26.088		
3,400.0	3,397.0	3,378.2	3,347.3	6.3	9.4	-80.54	-234.4	-294.3	338.6	325.8	12.82	26.402		
3,500.0	3,496.9	3,477.2	3,445.0	6.5	9.7	-80.29	-243.4	-307.3	352.5	339.3	13.20	26.698		
3,600.0	3,596.8	3,576.2	3,542.7	6.7	10.1	-80.07	-252.5	-320.2	366.5	352.9	13.59	26.978		
3,700.0	3,696.7	3,675.2	3,640.5	6.9	10.4	-79.86	-261.5	-333.2	380.5	366.5	13.97	27.242		
3,800.0	3,796.6	3,774.2	3,738.2	7.1	10.7	-79.66	-270.5	-346.2	394.4	380.1	14.35	27.493		
3,900.0	3,896.5	3,873.2	3,836.0	7.3	11.0	-79.48	-279.6	-359.1	408.4	393.7	14.73	27.731		
4,000.0	3,996.4	3,972.3	3,933.7	7.5	11.4	-79.31	-288.6	-372.1	422.4	407.3	15.11	27.958		
4,100.0	4,096.2	4,071.3	4,031.5	7.7	11.7	-79.15	-297.6	-385.0	436.3	420.8	15.49	28.173		
4,200.0	4,196.1	4,170.3	4,129.2	7.9	12.0	-79.00	-306.7	-398.0	450.3	434.4	15.87	28.378		
4,300.0	4,296.0	4,269.3	4,227.0	8.1	12.3	-78.86	-315.7	-410.9	464.3	448.0	16.25	28.574		
4,400.0	4,395.9	4,368.3	4,324.7	8.3	12.7	-78.73	-324.7	-423.9	478.3	461.6	16.63	28.760		
4,500.0	4,495.8	4,467.3	4,422.4	8.4	13.0	-78.60	-333.7	-436.8	492.3	475.2	17.01	28.939		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3L-32H-K268 - Hz - 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	85.34	3.7	44.8	44.9					
100.0	100.0	100.0	100.0	0.2	0.2	85.34	3.7	44.8	44.9	44.6	0.30	147.890		
200.0	200.0	200.0	200.0	0.3	0.3	85.34	3.7	44.8	44.9	44.3	0.65	68.805		
300.0	300.0	300.0	300.0	0.5	0.5	85.34	3.7	44.8	44.9	43.9	1.00	44.831		
400.0	400.0	400.0	400.0	0.7	0.7	85.34	3.7	44.8	44.9	43.6	1.35	33.247		
500.0	500.0	500.6	500.6	0.8	0.9	86.13	3.0	44.2	44.3	42.6	1.70	26.029		
600.0	600.0	601.1	601.0	1.0	1.0	88.65	1.0	42.4	42.5	40.4	2.05	20.669		
700.0	700.0	701.4	701.3	1.2	1.2	160.78	-2.3	39.5	40.4	38.0	2.41	16.786		
799.9	799.8	801.5	801.2	1.4	1.4	169.10	-6.9	35.5	39.6	36.8	2.77	14.269 CC		
800.0	800.0	801.6	801.3	1.4	1.4	169.11	-6.9	35.5	39.6	36.8	2.78	14.266 ES		
900.0	899.9	901.6	901.0	1.6	1.6	179.99	-12.8	30.3	40.7	37.5	3.16	12.887		
1,000.0	999.8	1,001.4	1,000.2	1.7	1.8	-167.89	-20.0	24.0	43.4	39.8	3.56	12.184		
1,100.0	1,099.6	1,100.8	1,099.0	1.9	2.1	-155.56	-28.5	16.5	47.9	43.9	3.98	12.039		
1,200.0	1,199.5	1,200.0	1,197.5	2.1	2.3	-144.51	-37.9	8.3	54.6	50.2	4.40	12.423		
1,300.0	1,299.4	1,299.3	1,296.0	2.3	2.6	-136.04	-47.2	0.1	62.9	58.1	4.80	13.100		
1,400.0	1,399.3	1,398.6	1,394.5	2.5	2.9	-129.64	-56.6	-8.2	72.2	67.0	5.20	13.895		
1,500.0	1,499.2	1,497.9	1,493.0	2.7	3.1	-124.75	-66.0	-16.4	82.2	76.6	5.59	14.715		
1,600.0	1,599.1	1,597.1	1,591.5	2.9	3.4	-120.93	-75.4	-24.7	92.7	86.7	5.98	15.514		
1,700.0	1,699.0	1,696.4	1,689.9	3.1	3.7	-117.90	-84.8	-32.9	103.5	97.1	6.36	16.271		
1,800.0	1,798.8	1,795.7	1,788.4	3.3	3.9	-115.44	-94.2	-41.2	114.5	107.8	6.75	16.979		
1,900.0	1,898.7	1,895.0	1,886.9	3.4	4.2	-113.42	-103.6	-49.4	125.7	118.6	7.13	17.637		
2,000.0	1,998.6	1,994.3	1,985.4	3.6	4.5	-111.73	-113.0	-57.7	137.1	129.6	7.51	18.245		
2,100.0	2,098.5	2,093.5	2,083.9	3.8	4.7	-110.30	-122.4	-65.9	148.5	140.6	7.90	18.808		
2,200.0	2,198.4	2,192.8	2,182.4	4.0	5.0	-109.07	-131.7	-74.2	160.0	151.8	8.28	19.328		
2,300.0	2,298.3	2,292.1	2,280.9	4.2	5.3	-108.01	-141.1	-82.4	171.6	163.0	8.66	19.809		
2,400.0	2,398.2	2,391.4	2,379.4	4.4	5.6	-107.08	-150.5	-90.6	183.2	174.2	9.05	20.256		
2,500.0	2,498.1	2,490.7	2,477.9	4.6	5.8	-106.27	-159.9	-98.9	194.9	185.5	9.43	20.670		
2,600.0	2,597.9	2,590.0	2,576.4	4.8	6.1	-105.54	-169.3	-107.1	206.6	196.8	9.81	21.056		
2,700.0	2,697.8	2,689.2	2,674.9	5.0	6.4	-104.90	-178.7	-115.4	218.4	208.2	10.20	21.415		
2,800.0	2,797.7	2,788.5	2,773.4	5.2	6.7	-104.32	-188.1	-123.6	230.1	219.5	10.58	21.750		
2,900.0	2,897.6	2,887.8	2,871.8	5.4	6.9	-103.79	-197.5	-131.9	241.9	230.9	10.96	22.064		
3,000.0	2,997.5	2,987.1	2,970.3	5.6	7.2	-103.32	-206.9	-140.1	253.7	242.3	11.35	22.358		
3,100.0	3,097.4	3,086.4	3,068.8	5.7	7.5	-102.89	-216.2	-148.4	265.5	253.8	11.73	22.634		
3,200.0	3,197.3	3,185.6	3,167.3	5.9	7.8	-102.49	-225.6	-156.6	277.3	265.2	12.11	22.894		
3,300.0	3,297.2	3,284.9	3,265.8	6.1	8.0	-102.13	-235.0	-164.9	289.2	276.7	12.50	23.139		
3,400.0	3,397.0	3,384.2	3,364.3	6.3	8.3	-101.79	-244.4	-173.1	301.0	288.1	12.88	23.370		
3,500.0	3,496.9	3,483.5	3,462.8	6.5	8.6	-101.48	-253.8	-181.3	312.9	299.6	13.26	23.588		
3,600.0	3,596.8	3,582.8	3,561.3	6.7	8.9	-101.20	-263.2	-189.6	324.7	311.1	13.65	23.794		
3,700.0	3,696.7	3,682.0	3,659.8	6.9	9.2	-100.93	-272.6	-197.8	336.6	322.6	14.03	23.990		
3,800.0	3,796.6	3,781.3	3,758.3	7.1	9.4	-100.68	-282.0	-206.1	348.5	334.1	14.42	24.175		
3,900.0	3,896.5	3,880.6	3,856.8	7.3	9.7	-100.45	-291.3	-214.3	360.4	345.6	14.80	24.352		
4,000.0	3,996.4	3,979.9	3,955.2	7.5	10.0	-100.23	-300.7	-222.6	372.3	357.1	15.18	24.519		
4,100.0	4,096.2	4,079.2	4,053.7	7.7	10.3	-100.03	-310.1	-230.8	384.2	368.6	15.57	24.679		
4,200.0	4,196.1	4,178.4	4,152.2	7.9	10.5	-99.83	-319.5	-239.1	396.1	380.1	15.95	24.831		
4,300.0	4,296.0	4,277.7	4,250.7	8.1	10.8	-99.65	-328.9	-247.3	408.0	391.7	16.33	24.977		
4,400.0	4,395.9	4,377.0	4,349.2	8.3	11.1	-99.48	-338.3	-255.6	419.9	403.2	16.72	25.116		
4,500.0	4,495.8	4,476.3	4,447.7	8.4	11.4	-99.32	-347.7	-263.8	431.8	414.7	17.10	25.249		
4,600.0	4,595.7	4,575.6	4,546.2	8.6	11.7	-99.17	-357.1	-272.0	443.7	426.2	17.49	25.376		
4,700.0	4,695.6	4,674.8	4,644.7	8.8	11.9	-99.03	-366.5	-280.3	455.7	437.8	17.87	25.497		
4,800.0	4,795.5	4,774.1	4,743.2	9.0	12.2	-98.89	-375.8	-288.5	467.6	449.3	18.25	25.614		
4,900.0	4,895.3	4,873.4	4,841.7	9.2	12.5	-98.76	-385.2	-296.8	479.5	460.9	18.64	25.726		
5,000.0	4,995.2	4,972.7	4,940.2	9.4	12.8	-98.64	-394.6	-305.0	491.4	472.4	19.02	25.834		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3L-32H-K268 - Hz - 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		
7,000.0	6,989.7	7,833.7	7,378.0	13.2	16.8	112.69	82.3	-509.1	453.9	427.9	26.06	17.420		
7,100.0	7,081.0	7,793.4	7,378.0	13.3	16.7	118.92	42.0	-509.1	376.3	350.3	26.02	14.461		
7,200.0	7,163.9	7,726.7	7,377.3	13.5	16.6	117.01	-24.7	-509.1	312.0	286.1	25.90	12.048		
7,300.0	7,236.0	7,637.3	7,366.1	13.8	16.6	107.98	-113.3	-508.1	260.3	234.0	26.26	9.912		
7,400.0	7,295.0	7,560.4	7,345.6	14.2	16.6	97.24	-187.3	-506.4	226.1	199.2	26.92	8.399		
7,490.3	7,335.5	7,497.3	7,321.5	14.8	16.7	85.96	-245.6	-504.4	215.7	188.2	27.49	7.844		
7,500.0	7,339.1	7,490.8	7,318.6	14.8	16.8	84.69	-251.5	-504.1	215.8	188.3	27.53	7.838 SF		
7,600.0	7,367.0	7,425.6	7,286.5	15.6	16.9	71.32	-308.1	-501.5	229.3	201.7	27.64	8.299		
7,700.0	7,377.9	7,363.3	7,250.1	16.6	17.1	58.77	-358.4	-498.4	259.5	232.2	27.23	9.530		
7,800.0	7,378.0	7,300.0	7,207.7	17.6	17.3	50.12	-405.3	-494.9	301.5	274.9	26.62	11.325		
7,900.0	7,378.0	7,258.8	7,177.4	18.8	17.4	45.10	-433.1	-492.3	356.2	329.8	26.36	13.511		
8,000.0	7,378.0	7,219.0	7,146.3	20.0	17.6	40.62	-457.9	-489.7	421.0	395.0	26.04	16.167		
8,100.0	7,378.0	7,185.4	7,118.9	21.4	17.7	37.16	-477.0	-487.4	493.2	467.4	25.85	19.081		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3M-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	89.99	0.0	61.6	61.6					
100.0	100.0	100.0	100.0	0.2	0.2	89.99	0.0	61.6	61.6	61.2	0.30	202.676		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	61.6	61.6	60.9	0.65	94.293		
300.0	300.0	300.3	300.3	0.5	0.5	90.77	-0.8	61.3	61.3	60.3	1.00	61.090		
400.0	400.0	400.6	400.6	0.7	0.7	93.13	-3.3	60.4	60.5	59.1	1.35	44.647		
500.0	500.0	500.8	500.7	0.8	0.9	97.19	-7.4	58.9	59.4	57.7	1.71	34.775		
600.0	600.0	600.8	600.5	1.0	1.1	103.07	-13.2	56.9	58.4	56.3	2.06	28.333		
631.5	631.5	632.2	631.8	1.1	1.1	172.33	-15.4	56.1	58.3	56.1	2.22	26.288 CC, ES		
700.0	700.0	700.5	699.9	1.2	1.3	177.83	-20.6	54.3	58.9	56.4	2.48	23.732		
800.0	800.0	800.0	799.0	1.4	1.5	-173.67	-29.2	51.2	62.5	59.6	2.87	21.723		
900.0	899.9	899.5	898.0	1.6	1.7	-166.47	-37.9	48.2	68.9	65.6	3.26	21.102		
1,000.0	999.8	998.9	997.0	1.7	2.0	-160.68	-46.6	45.1	76.6	72.9	3.65	20.994		
1,100.0	1,099.6	1,098.3	1,096.0	1.9	2.2	-155.98	-55.2	42.0	85.0	80.9	4.03	21.083		
1,200.0	1,199.5	1,197.8	1,195.0	2.1	2.4	-152.15	-63.9	39.0	93.8	89.4	4.41	21.274		
1,300.0	1,299.4	1,297.2	1,294.0	2.3	2.7	-148.99	-72.6	35.9	103.0	98.2	4.79	21.514		
1,400.0	1,399.3	1,396.6	1,393.0	2.5	2.9	-146.34	-81.3	32.9	112.4	107.2	5.16	21.774		
1,500.0	1,499.2	1,496.1	1,492.0	2.7	3.1	-144.11	-90.0	29.8	122.0	116.5	5.54	22.038		
1,600.0	1,599.1	1,595.5	1,591.0	2.9	3.4	-142.21	-98.7	26.7	131.8	125.9	5.91	22.297		
1,700.0	1,699.0	1,694.9	1,690.0	3.1	3.6	-140.58	-107.3	23.7	141.8	135.5	6.29	22.545		
1,800.0	1,798.8	1,794.4	1,789.0	3.3	3.8	-139.15	-116.0	20.6	151.8	145.1	6.66	22.781		
1,900.0	1,898.7	1,893.8	1,888.0	3.4	4.1	-137.91	-124.7	17.5	161.9	154.8	7.04	23.004		
2,000.0	1,998.6	1,993.2	1,987.0	3.6	4.3	-136.81	-133.4	14.5	172.0	164.6	7.41	23.213		
2,100.0	2,098.5	2,092.6	2,086.0	3.8	4.5	-135.83	-142.1	11.4	182.3	174.5	7.79	23.409		
2,200.0	2,198.4	2,192.1	2,185.0	4.0	4.8	-134.96	-150.7	8.3	192.5	184.4	8.16	23.593		
2,300.0	2,298.3	2,291.5	2,284.0	4.2	5.0	-134.18	-159.4	5.3	202.9	194.3	8.54	23.765		
2,400.0	2,398.2	2,390.9	2,383.0	4.4	5.2	-133.47	-168.1	2.2	213.2	204.3	8.91	23.927		
2,500.0	2,498.1	2,490.4	2,482.0	4.6	5.5	-132.83	-176.8	-0.9	223.6	214.3	9.29	24.078		
2,600.0	2,597.9	2,589.8	2,581.1	4.8	5.7	-132.24	-185.5	-3.9	234.0	224.3	9.66	24.221		
2,700.0	2,697.8	2,689.2	2,680.1	5.0	5.9	-131.71	-194.1	-7.0	244.4	234.4	10.03	24.354		
2,800.0	2,797.7	2,788.7	2,779.1	5.2	6.2	-131.21	-202.8	-10.0	254.8	244.4	10.41	24.480		
2,900.0	2,897.6	2,888.1	2,878.1	5.4	6.4	-130.76	-211.5	-13.1	265.3	254.5	10.78	24.599		
3,000.0	2,997.5	2,987.5	2,977.1	5.6	6.6	-130.34	-220.2	-16.2	275.8	264.6	11.16	24.710		
3,100.0	3,097.4	3,086.9	3,076.1	5.7	6.9	-129.95	-228.9	-19.2	286.2	274.7	11.53	24.816		
3,200.0	3,197.3	3,186.4	3,175.1	5.9	7.1	-129.59	-237.5	-22.3	296.7	284.8	11.91	24.916		
3,300.0	3,297.2	3,285.8	3,274.1	6.1	7.4	-129.26	-246.2	-25.4	307.3	295.0	12.28	25.010		
3,400.0	3,397.0	3,385.2	3,373.1	6.3	7.6	-128.94	-254.9	-28.4	317.8	305.1	12.66	25.100		
3,500.0	3,496.9	3,484.7	3,472.1	6.5	7.8	-128.65	-263.6	-31.5	328.3	315.3	13.04	25.185		
3,600.0	3,596.8	3,584.1	3,571.1	6.7	8.1	-128.38	-272.3	-34.6	338.8	325.4	13.41	25.266		
3,700.0	3,696.7	3,683.5	3,670.1	6.9	8.3	-128.12	-280.9	-37.6	349.4	335.6	13.79	25.343		
3,800.0	3,796.6	3,783.0	3,769.1	7.1	8.5	-127.87	-289.6	-40.7	359.9	345.8	14.16	25.417		
3,900.0	3,896.5	3,882.4	3,868.1	7.3	8.8	-127.64	-298.3	-43.8	370.5	355.9	14.54	25.486		
4,000.0	3,996.4	3,981.8	3,967.1	7.5	9.0	-127.43	-307.0	-46.8	381.0	366.1	14.91	25.553		
4,100.0	4,096.2	4,081.3	4,066.1	7.7	9.2	-127.22	-315.7	-49.9	391.6	376.3	15.29	25.617		
4,200.0	4,196.1	4,180.7	4,165.1	7.9	9.5	-127.03	-324.4	-52.9	402.2	386.5	15.66	25.678		
4,300.0	4,296.0	4,280.1	4,264.1	8.1	9.7	-126.84	-333.0	-56.0	412.8	396.7	16.04	25.736		
4,400.0	4,395.9	4,379.5	4,363.1	8.3	10.0	-126.67	-341.7	-59.1	423.3	406.9	16.41	25.792		
4,500.0	4,495.8	4,479.0	4,462.1	8.4	10.2	-126.50	-350.4	-62.1	433.9	417.1	16.79	25.846		
4,600.0	4,595.7	4,578.4	4,561.1	8.6	10.4	-126.34	-359.1	-65.2	444.5	427.3	17.16	25.897		
4,700.0	4,695.6	4,677.8	4,660.1	8.8	10.7	-126.19	-367.8	-68.3	455.1	437.5	17.54	25.946		
4,800.0	4,795.5	4,777.3	4,759.1	9.0	10.9	-126.04	-376.4	-71.3	465.7	447.8	17.92	25.994		
4,900.0	4,895.3	4,876.7	4,858.1	9.2	11.1	-125.91	-385.1	-74.4	476.3	458.0	18.29	26.039		
5,000.0	4,995.2	4,976.1	4,957.1	9.4	11.4	-125.77	-393.8	-77.5	486.9	468.2	18.67	26.083		

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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													S32-T2N-R68W (File) - File 3M-32H-K268 - Hz - 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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)									
5,100.0	5,095.1	5,075.6	5,056.1	9.6	11.6	-125.65	-402.5	-80.5	497.5	478.4	19.04	26.125					
7,200.0	7,163.9	7,906.9	7,603.4	13.5	14.3	-153.42	-54.8	-159.4	458.1	433.7	24.37	18.798					
7,300.0	7,236.0	7,745.4	7,565.9	13.8	14.4	-141.73	-211.4	-158.2	376.1	352.6	23.49	16.013					
7,400.0	7,295.0	7,647.1	7,522.1	14.2	14.7	-133.11	-299.2	-156.8	295.2	271.5	23.76	12.427					
7,500.0	7,339.1	7,570.3	7,477.8	14.8	15.0	-123.72	-361.9	-155.5	221.6	196.2	25.34	8.745					
7,600.0	7,367.0	7,503.0	7,432.5	15.6	15.3	-110.84	-411.5	-154.1	163.9	135.8	28.16	5.821					
7,700.0	7,377.9	7,440.8	7,385.7	16.6	15.5	-93.19	-452.4	-152.6	138.7	107.9	30.79	4.504					
7,707.1	7,378.0	7,436.6	7,382.3	16.6	15.5	-91.78	-455.0	-152.5	138.6	107.7	30.91	4.484 SF					
7,800.0	7,378.0	7,386.5	7,341.4	17.6	15.7	-75.31	-483.7	-151.3	158.1	126.9	31.24	5.061					
7,900.0	7,378.0	7,350.0	7,310.0	18.8	15.9	-64.20	-502.4	-150.3	213.6	182.8	30.79	6.935					
8,000.0	7,378.0	7,311.6	7,275.8	20.0	16.0	-54.21	-519.8	-149.2	287.4	257.7	29.70	9.677					
8,100.0	7,378.0	7,285.1	7,251.5	21.4	16.1	-48.42	-530.4	-148.5	370.3	341.1	29.14	12.704					
8,200.0	7,378.0	7,263.5	7,231.4	22.8	16.1	-44.32	-538.3	-147.8	458.0	429.1	28.86	15.871					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3N-32H-K268 - Hz - 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		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	86.75	3.7	64.3	64.5					
100.0	100.0	100.0	100.0	0.2	0.2	86.75	3.7	64.3	64.5	64.1	0.30	212.230		
200.0	200.0	200.0	200.0	0.3	0.3	86.75	3.7	64.3	64.5	63.8	0.65	98.738		
300.0	300.0	300.0	300.0	0.5	0.5	86.75	3.7	64.3	64.5	63.4	1.00	64.334 CC		
400.0	400.0	399.8	399.8	0.7	0.7	87.52	2.8	64.5	64.6	63.2	1.35	47.814 ES		
500.0	500.0	499.6	499.6	0.8	0.9	89.79	0.2	65.0	65.0	63.3	1.70	38.266		
600.0	600.0	599.3	599.1	1.0	1.0	93.48	-4.0	65.9	66.0	64.0	2.05	32.231		
700.0	700.0	698.7	698.4	1.2	1.2	165.63	-9.9	67.1	68.7	66.2	2.43	28.271		
800.0	800.0	797.7	797.1	1.4	1.4	171.75	-17.5	68.6	74.3	71.5	2.80	26.526		
900.0	899.9	896.8	895.7	1.6	1.7	177.86	-26.5	70.4	83.1	79.9	3.17	26.186		
1,000.0	999.8	996.0	994.5	1.7	1.9	-177.16	-35.6	72.2	93.2	89.6	3.54	26.301		
1,100.0	1,099.6	1,095.1	1,093.2	1.9	2.1	-173.17	-44.7	74.0	103.8	99.9	3.91	26.557		
1,200.0	1,199.5	1,194.3	1,192.0	2.1	2.3	-169.93	-53.9	75.9	114.9	110.6	4.28	26.877		
1,300.0	1,299.4	1,293.5	1,290.7	2.3	2.6	-167.27	-63.0	77.7	126.3	121.6	4.64	27.221		
1,400.0	1,399.3	1,392.7	1,389.5	2.5	2.8	-165.05	-72.1	79.5	137.9	132.9	5.00	27.566		
1,500.0	1,499.2	1,491.9	1,488.3	2.7	3.0	-163.18	-81.2	81.3	149.6	144.3	5.36	27.900		
1,600.0	1,599.1	1,591.1	1,587.0	2.9	3.3	-161.58	-90.3	83.2	161.5	155.8	5.72	28.218		
1,700.0	1,699.0	1,690.3	1,685.8	3.1	3.5	-160.20	-99.4	85.0	173.5	167.4	6.09	28.518		
1,800.0	1,798.8	1,789.5	1,784.5	3.3	3.7	-158.99	-108.6	86.8	185.6	179.2	6.45	28.798		
1,900.0	1,898.7	1,888.7	1,883.3	3.4	4.0	-157.94	-117.7	88.6	197.8	191.0	6.81	29.060		
2,000.0	1,998.6	1,987.9	1,982.1	3.6	4.2	-157.01	-126.8	90.5	210.0	202.8	7.17	29.304		
2,100.0	2,098.5	2,087.1	2,080.8	3.8	4.4	-156.18	-135.9	92.3	222.3	214.8	7.53	29.531		
2,200.0	2,198.4	2,186.3	2,179.6	4.0	4.7	-155.44	-145.0	94.1	234.6	226.7	7.89	29.742		
2,300.0	2,298.3	2,285.5	2,278.3	4.2	4.9	-154.77	-154.1	95.9	246.9	238.7	8.25	29.940		
2,400.0	2,398.2	2,384.7	2,377.1	4.4	5.1	-154.16	-163.3	97.8	259.3	250.7	8.61	30.124		
2,500.0	2,498.1	2,483.9	2,475.9	4.6	5.4	-153.61	-172.4	99.6	271.7	262.7	8.97	30.296		
2,600.0	2,597.9	2,583.1	2,574.6	4.8	5.6	-153.11	-181.5	101.4	284.1	274.8	9.33	30.458		
2,700.0	2,697.8	2,682.3	2,673.4	5.0	5.8	-152.65	-190.6	103.3	296.6	286.9	9.69	30.609		
2,800.0	2,797.7	2,781.5	2,772.1	5.2	6.1	-152.23	-199.7	105.1	309.0	299.0	10.05	30.751		
2,900.0	2,897.6	2,880.7	2,870.9	5.4	6.3	-151.84	-208.9	106.9	321.5	311.1	10.41	30.885		
3,000.0	2,997.5	2,979.9	2,969.6	5.6	6.6	-151.48	-218.0	108.7	334.0	323.2	10.77	31.011		
3,100.0	3,097.4	3,079.1	3,068.4	5.7	6.8	-151.15	-227.1	110.6	346.5	335.4	11.13	31.129		
3,200.0	3,197.3	3,178.3	3,167.2	5.9	7.0	-150.83	-236.2	112.4	359.0	347.5	11.49	31.242		
3,300.0	3,297.2	3,277.5	3,265.9	6.1	7.3	-150.54	-245.3	114.2	371.5	359.7	11.85	31.348		
3,400.0	3,397.0	3,376.7	3,364.7	6.3	7.5	-150.27	-254.4	116.0	384.1	371.9	12.21	31.448		
3,500.0	3,496.9	3,475.8	3,463.4	6.5	7.7	-150.02	-263.6	117.9	396.6	384.0	12.57	31.543		
3,600.0	3,596.8	3,575.0	3,562.2	6.7	8.0	-149.78	-272.7	119.7	409.2	396.2	12.93	31.634		
3,700.0	3,696.7	3,674.2	3,661.0	6.9	8.2	-149.56	-281.8	121.5	421.7	408.4	13.29	31.720		
3,800.0	3,796.6	3,773.4	3,759.7	7.1	8.4	-149.34	-290.9	123.3	434.3	420.6	13.66	31.802		
3,900.0	3,896.5	3,872.6	3,858.5	7.3	8.7	-149.14	-300.0	125.2	446.8	432.8	14.02	31.880		
4,000.0	3,996.4	3,971.8	3,957.2	7.5	8.9	-148.96	-309.2	127.0	459.4	445.0	14.38	31.954		
4,100.0	4,096.2	4,071.0	4,056.0	7.7	9.2	-148.78	-318.3	128.8	472.0	457.2	14.74	32.025		
4,200.0	4,196.1	4,170.2	4,154.8	7.9	9.4	-148.61	-327.4	130.6	484.6	469.5	15.10	32.093		
4,300.0	4,296.0	4,269.4	4,253.5	8.1	9.6	-148.45	-336.5	132.5	497.1	481.7	15.46	32.158		
7,300.0	7,236.0	7,617.2	7,366.5	13.8	13.6	-100.90	-110.9	190.0	493.3	467.2	26.04	18.944		
7,400.0	7,295.0	7,541.4	7,346.5	14.2	13.6	-94.77	-184.0	189.6	480.3	453.6	26.70	17.988		
7,462.0	7,324.2	7,498.0	7,330.8	14.6	13.7	-90.87	-224.4	189.4	478.1	450.9	27.25	17.546		
7,500.0	7,339.1	7,472.3	7,320.1	14.8	13.8	-88.44	-247.7	189.2	478.9	451.3	27.58	17.367		
7,600.0	7,367.0	7,407.5	7,288.5	15.6	14.0	-81.96	-304.2	188.6	487.6	459.1	28.45	17.137 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 File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3O-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	89.99	0.0	69.9	69.9					
100.0	100.0	100.0	100.0	0.2	0.2	89.99	0.0	69.9	69.9	69.6	0.30	230.314		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	69.9	69.9	69.3	0.65	107.151		
233.4	233.4	233.4	233.4	0.4	0.4	89.99	0.0	69.9	69.9	69.2	0.77	90.896 CC		
300.0	300.0	299.6	299.6	0.5	0.5	90.13	-0.2	70.1	70.1	69.1	1.00	69.991 ES		
400.0	400.0	398.9	398.9	0.7	0.7	91.24	-1.5	71.1	71.1	69.8	1.35	52.725		
500.0	500.0	498.0	497.9	0.8	0.9	93.35	-4.3	73.2	73.3	71.6	1.70	43.195		
600.0	600.0	597.0	596.8	1.0	1.0	96.28	-8.4	76.2	76.8	74.7	2.05	37.506		
700.0	700.0	695.8	695.3	1.2	1.2	166.93	-13.9	80.3	82.5	80.1	2.42	34.145		
800.0	800.0	794.0	793.2	1.4	1.5	170.93	-20.6	85.4	91.6	88.8	2.78	32.993 SF		
900.0	899.9	891.8	890.5	1.6	1.7	174.83	-28.7	91.5	104.1	100.9	3.13	33.212		
1,000.0	999.8	990.6	988.7	1.7	1.9	178.14	-37.5	98.0	118.0	114.5	3.49	33.802		
1,100.0	1,099.6	1,089.4	1,086.9	1.9	2.2	-179.26	-46.2	104.6	132.3	128.4	3.85	34.382		
1,200.0	1,199.5	1,188.3	1,185.1	2.1	2.4	-177.17	-54.9	111.2	146.7	142.5	4.20	34.929		
1,300.0	1,299.4	1,287.1	1,283.3	2.3	2.7	-175.45	-63.7	117.7	161.3	156.8	4.55	35.434		
1,400.0	1,399.3	1,385.9	1,381.5	2.5	2.9	-174.02	-72.4	124.3	176.1	171.2	4.91	35.895		
1,500.0	1,499.2	1,484.7	1,479.7	2.7	3.2	-172.81	-81.2	130.8	190.9	185.7	5.26	36.316		
1,600.0	1,599.1	1,583.5	1,577.9	2.9	3.4	-171.77	-89.9	137.4	205.8	200.2	5.61	36.699		
1,700.0	1,699.0	1,682.4	1,676.2	3.1	3.7	-170.88	-98.6	144.0	220.8	214.8	5.96	37.049		
1,800.0	1,798.8	1,781.2	1,774.4	3.3	3.9	-170.10	-107.4	150.5	235.8	229.5	6.31	37.367		
1,900.0	1,898.7	1,880.0	1,872.6	3.4	4.2	-169.41	-116.1	157.1	250.8	244.2	6.66	37.659		
2,000.0	1,998.6	1,978.8	1,970.8	3.6	4.4	-168.80	-124.9	163.6	265.9	258.9	7.01	37.926		
2,100.0	2,098.5	2,077.6	2,069.0	3.8	4.7	-168.25	-133.6	170.2	281.0	273.7	7.36	38.172		
2,200.0	2,198.4	2,176.4	2,167.2	4.0	5.0	-167.76	-142.3	176.7	296.1	288.4	7.71	38.398		
2,300.0	2,298.3	2,275.3	2,265.4	4.2	5.2	-167.32	-151.1	183.3	311.3	303.2	8.06	38.607		
2,400.0	2,398.2	2,374.1	2,363.7	4.4	5.5	-166.92	-159.8	189.9	326.4	318.0	8.41	38.801		
2,500.0	2,498.1	2,472.9	2,461.9	4.6	5.7	-166.56	-168.6	196.4	341.6	332.9	8.76	38.981		
2,600.0	2,597.9	2,571.7	2,560.1	4.8	6.0	-166.22	-177.3	203.0	356.8	347.7	9.11	39.148		
2,700.0	2,697.8	2,670.5	2,658.3	5.0	6.2	-165.91	-186.1	209.5	372.0	362.5	9.46	39.304		
2,800.0	2,797.7	2,769.4	2,756.5	5.2	6.5	-165.63	-194.8	216.1	387.2	377.4	9.82	39.450		
2,900.0	2,897.6	2,868.2	2,854.7	5.4	6.7	-165.37	-203.5	222.6	402.4	392.3	10.17	39.586		
3,000.0	2,997.5	2,967.0	2,952.9	5.6	7.0	-165.13	-212.3	229.2	417.6	407.1	10.52	39.715		
3,100.0	3,097.4	3,065.8	3,051.1	5.7	7.3	-164.90	-221.0	235.8	432.9	422.0	10.87	39.835		
3,200.0	3,197.3	3,164.6	3,149.4	5.9	7.5	-164.69	-229.8	242.3	448.1	436.9	11.22	39.948		
3,300.0	3,297.2	3,263.5	3,247.6	6.1	7.8	-164.50	-238.5	248.9	463.4	451.8	11.57	40.055		
3,400.0	3,397.0	3,362.3	3,345.8	6.3	8.0	-164.31	-247.2	255.4	478.6	466.7	11.92	40.156		
3,500.0	3,496.9	3,461.1	3,444.0	6.5	8.3	-164.14	-256.0	262.0	493.9	481.6	12.27	40.252		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - File 3P-32H-K268 - Hz - 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	87.23	3.7	75.5	75.6					
100.0	100.0	100.0	100.0	0.2	0.2	87.23	3.7	75.5	75.6	75.3	0.30	249.029		
200.0	200.0	200.0	200.0	0.3	0.3	87.23	3.7	75.5	75.6	75.0	0.65	115.859 CC, ES		
300.0	300.0	299.0	299.0	0.5	0.5	87.65	3.1	76.2	76.3	75.3	1.00	76.267		
400.0	400.0	397.9	397.9	0.7	0.7	88.86	1.6	78.2	78.3	76.9	1.35	58.049		
500.0	500.0	496.8	496.6	0.8	0.9	90.73	-1.0	81.6	81.7	80.0	1.70	48.081		
600.0	600.0	595.4	595.1	1.0	1.1	93.11	-4.7	86.3	86.6	84.5	2.05	42.168		
700.0	700.0	693.7	693.1	1.2	1.3	162.93	-9.3	92.4	93.9	91.5	2.41	38.974		
800.0	800.0	791.5	790.5	1.4	1.5	166.00	-15.0	99.7	104.6	101.9	2.76	37.859 SF		
900.0	899.9	888.7	887.0	1.6	1.7	169.01	-21.6	108.2	118.7	115.6	3.11	38.117		
1,000.0	999.8	985.2	982.7	1.7	2.0	171.70	-29.2	118.0	135.1	131.6	3.47	38.982		
1,100.0	1,099.6	1,081.5	1,078.0	1.9	2.3	174.02	-37.7	129.1	153.2	149.4	3.81	40.176		
1,200.0	1,199.5	1,179.5	1,174.9	2.1	2.6	175.96	-46.8	140.8	172.1	167.9	4.16	41.340		
1,300.0	1,299.4	1,277.6	1,271.9	2.3	2.9	177.51	-55.8	152.5	191.1	186.6	4.51	42.372		
1,400.0	1,399.3	1,375.6	1,368.8	2.5	3.2	178.77	-64.8	164.1	210.3	205.4	4.86	43.287		
1,500.0	1,499.2	1,473.7	1,465.7	2.7	3.5	179.83	-73.9	175.8	229.5	224.3	5.20	44.102		
1,600.0	1,599.1	1,571.7	1,562.7	2.9	3.8	-179.27	-82.9	187.5	248.8	243.2	5.55	44.830		
1,700.0	1,699.0	1,669.8	1,659.6	3.1	4.1	-178.51	-91.9	199.2	268.1	262.2	5.89	45.483		
1,800.0	1,798.8	1,767.8	1,756.5	3.3	4.4	-177.85	-101.0	210.9	287.5	281.3	6.24	46.072		
1,900.0	1,898.7	1,865.9	1,853.5	3.4	4.7	-177.27	-110.0	222.6	306.9	300.3	6.59	46.605		
2,000.0	1,998.6	1,964.0	1,950.4	3.6	5.0	-176.76	-119.0	234.3	326.4	319.4	6.93	47.089		
2,100.0	2,098.5	2,062.0	2,047.3	3.8	5.3	-176.31	-128.1	246.0	345.8	338.5	7.28	47.531		
2,200.0	2,198.4	2,160.1	2,144.3	4.0	5.6	-175.90	-137.1	257.7	365.3	357.7	7.62	47.936		
2,300.0	2,298.3	2,258.1	2,241.2	4.2	5.9	-175.54	-146.1	269.4	384.8	376.8	7.97	48.308		
2,400.0	2,398.2	2,356.2	2,338.1	4.4	6.2	-175.21	-155.2	281.1	404.3	396.0	8.31	48.650		
2,500.0	2,498.1	2,454.2	2,435.1	4.6	6.5	-174.91	-164.2	292.8	423.8	415.2	8.66	48.967		
2,600.0	2,597.9	2,552.3	2,532.0	4.8	6.8	-174.64	-173.2	304.5	443.4	434.4	9.00	49.261		
2,700.0	2,697.8	2,650.3	2,628.9	5.0	7.1	-174.39	-182.3	316.1	462.9	453.6	9.35	49.533		
2,800.0	2,797.7	2,748.4	2,725.9	5.2	7.5	-174.16	-191.3	327.8	482.4	472.8	9.69	49.788		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 4996-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)							
0.0	0.0	0.0	0.0	0.0	0.0	62.21	185.8	352.5	398.5						
100.0	100.0	99.0	99.0	0.2	0.2	62.21	185.8	352.5	398.5	398.2	0.32	1,229.047			
200.0	200.0	199.0	199.0	0.3	0.3	62.21	185.8	352.5	398.5	397.8	0.67	592.211			
300.0	300.0	299.0	299.0	0.5	0.5	62.21	185.8	352.5	398.5	397.5	1.02	390.086			
400.0	400.0	399.0	399.0	0.7	0.7	62.21	185.8	352.5	398.5	397.1	1.37	290.826			
500.0	500.0	499.0	499.0	0.8	0.9	62.21	185.8	352.5	398.5	396.8	1.72	231.834			
600.0	600.0	599.0	599.0	1.0	1.0	62.21	185.8	352.5	398.5	396.4	2.07	192.738 CC, ES			
700.0	700.0	699.0	699.0	1.2	1.2	129.32	185.8	352.5	399.0	396.6	2.42	165.146			
800.0	800.0	799.0	799.0	1.4	1.4	129.60	185.8	352.5	400.7	397.9	2.77	144.861			
900.0	899.9	898.9	898.9	1.6	1.6	130.05	185.8	352.5	403.4	400.3	3.12	129.389			
1,000.0	999.8	998.8	998.8	1.7	1.7	130.56	185.8	352.5	406.5	403.1	3.47	117.092			
1,100.0	1,099.6	1,098.6	1,098.6	1.9	1.9	131.07	185.8	352.5	409.6	405.8	3.83	107.053			
1,200.0	1,199.5	1,198.5	1,198.5	2.1	2.1	131.57	185.8	352.5	412.8	408.6	4.18	98.710			
1,300.0	1,299.4	1,298.4	1,298.4	2.3	2.3	132.06	185.8	352.5	415.9	411.4	4.54	91.673			
1,400.0	1,399.3	1,398.3	1,398.3	2.5	2.4	132.54	185.8	352.5	419.1	414.3	4.89	85.661			
1,500.0	1,499.2	1,498.2	1,498.2	2.7	2.6	133.01	185.8	352.5	422.4	417.1	5.25	80.468			
1,600.0	1,599.1	1,598.1	1,598.1	2.9	2.8	133.48	185.8	352.5	425.6	420.0	5.60	75.939			
1,700.0	1,699.0	1,698.0	1,698.0	3.1	3.0	133.94	185.8	352.5	428.9	423.0	5.96	71.956			
1,800.0	1,798.8	1,797.8	1,797.8	3.3	3.1	134.40	185.8	352.5	432.2	425.9	6.32	68.427			
1,900.0	1,898.7	1,897.7	1,897.7	3.4	3.3	134.84	185.8	352.5	435.6	428.9	6.67	65.279			
2,000.0	1,998.6	1,997.6	1,997.6	3.6	3.5	135.28	185.8	352.5	438.9	431.9	7.03	62.455			
2,100.0	2,098.5	2,097.5	2,097.5	3.8	3.7	135.71	185.8	352.5	442.3	435.0	7.38	59.907			
2,200.0	2,198.4	2,197.4	2,197.4	4.0	3.8	136.14	185.8	352.5	445.8	438.0	7.74	57.597			
2,300.0	2,298.3	2,297.3	2,297.3	4.2	4.0	136.56	185.8	352.5	449.2	441.1	8.09	55.495			
2,400.0	2,398.2	2,397.2	2,397.2	4.4	4.2	136.97	185.8	352.5	452.7	444.2	8.45	53.573			
2,500.0	2,498.1	2,497.1	2,497.1	4.6	4.3	137.38	185.8	352.5	456.2	447.4	8.80	51.809			
2,600.0	2,597.9	2,596.9	2,596.9	4.8	4.5	137.78	185.8	352.5	459.7	450.5	9.16	50.186			
2,700.0	2,697.8	2,696.8	2,696.8	5.0	4.7	138.18	185.8	352.5	463.2	453.7	9.51	48.687			
2,800.0	2,797.7	2,796.7	2,796.7	5.2	4.9	138.57	185.8	352.5	466.8	456.9	9.87	47.299			
2,900.0	2,897.6	2,896.6	2,896.6	5.4	5.0	138.95	185.8	352.5	470.3	460.1	10.22	46.010			
3,000.0	2,997.5	2,996.5	2,996.5	5.6	5.2	139.33	185.8	352.5	473.9	463.4	10.58	44.810			
3,100.0	3,097.4	3,096.4	3,096.4	5.7	5.4	139.70	185.8	352.5	477.6	466.6	10.93	43.690			
3,200.0	3,197.3	3,196.3	3,196.3	5.9	5.6	140.07	185.8	352.5	481.2	469.9	11.28	42.643			
3,300.0	3,297.2	3,296.2	3,296.2	6.1	5.7	140.43	185.8	352.5	484.8	473.2	11.64	41.662			
3,400.0	3,397.0	3,396.0	3,396.0	6.3	5.9	140.78	185.8	352.5	488.5	476.5	11.99	40.740			
3,500.0	3,496.9	3,495.9	3,495.9	6.5	6.1	141.13	185.8	352.5	492.2	479.9	12.34	39.874			
3,600.0	3,596.8	3,595.8	3,595.8	6.7	6.3	141.48	185.8	352.5	495.9	483.2	12.70	39.057			
3,700.0	3,696.7	3,695.7	3,695.7	6.9	6.4	141.81	185.8	352.5	499.7	486.6	13.05	38.287 SF			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8140-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
7,300.0	7,236.0	7,225.0	7,225.0	13.8	12.6	28.97	-539.8	-471.7	494.0	472.3	21.69	22.776		
7,400.0	7,295.0	7,284.0	7,284.0	14.2	12.7	41.39	-539.8	-471.7	419.4	397.4	22.05	19.019		
7,500.0	7,339.1	7,328.1	7,328.1	14.8	12.8	59.38	-539.8	-471.7	340.2	315.7	24.46	13.905		
7,600.0	7,367.0	7,356.0	7,356.0	15.6	12.8	78.18	-539.8	-471.7	263.4	236.2	27.19	9.688		
7,700.0	7,377.9	7,366.9	7,366.9	16.6	12.9	89.37	-539.8	-471.7	202.7	174.1	28.60	7.088		
7,792.0	7,378.9	7,367.9	7,367.9	17.5	12.9	90.00	-539.8	-471.7	180.6	151.0	29.63	6.096 CC, ES		
7,800.0	7,378.0	7,367.0	7,367.0	17.6	12.9	90.00	-539.8	-471.7	180.8	151.1	29.72	6.085 SF		
7,900.0	7,378.0	7,367.0	7,367.0	18.8	12.9	90.00	-539.8	-471.7	210.5	179.6	30.94	6.803		
8,000.0	7,378.0	7,367.0	7,367.0	20.0	12.9	90.00	-539.8	-471.7	275.5	243.3	32.24	8.545		
8,100.0	7,378.0	7,367.0	7,367.0	21.4	12.9	90.00	-539.8	-471.7	357.1	323.5	33.61	10.624		
8,200.0	7,378.0	7,367.0	7,367.0	22.8	12.9	90.00	-539.8	-471.7	446.2	411.2	35.04	12.736		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													S32-T2N-R68W (File) - PAQUETTE 14-5 (EXISTING) - KERR-MCGEE WELL - NO SURVEYS		Offset Site Error:		0.0 ft
Survey Program:													8375-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
13,300.0	7,378.0	7,422.0	7,422.0	108.6	13.0	-90.00	-6,291.1	120.3	477.9	356.5	121.44	3.935	3.273 CC, ES, SF				
13,400.0	7,378.0	7,422.0	7,422.0	110.3	13.0	-90.00	-6,291.1	120.3	435.6	312.4	123.18	3.536					
13,500.0	7,378.0	7,422.0	7,422.0	112.1	13.0	-90.00	-6,291.1	120.3	413.6	288.7	124.92	3.311					
13,543.2	7,378.0	7,422.0	7,422.0	112.8	13.0	-90.00	-6,291.1	120.3	411.4	285.7	125.68						
13,600.0	7,378.0	7,422.0	7,422.0	113.8	13.0	-90.00	-6,291.1	120.3	415.3	288.6	126.67	3.279					
13,700.0	7,378.0	7,422.0	7,422.0	115.6	13.0	-90.00	-6,291.1	120.3	440.2	311.8	128.41	3.428					
13,800.0	7,378.0	7,422.0	7,422.0	117.3	13.0	-90.00	-6,291.1	120.3	484.9	354.8	130.15	3.726					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design S32-T2N-R68W (File) - SCHRINER 11-5 (EXISTING) - KERR-MCGEE WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8376-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
12,600.0	7,378.0	7,437.0	7,437.0	96.4	13.0	-90.00	-5,708.2	-58.8	428.7	319.5	109.28	3.923		
12,700.0	7,378.0	7,437.0	7,437.0	98.2	13.0	-90.00	-5,708.2	-58.8	348.9	237.9	111.02	3.143		
12,800.0	7,378.0	7,437.0	7,437.0	99.9	13.0	-90.00	-5,708.2	-58.8	282.3	169.5	112.76	2.503		
12,900.0	7,378.0	7,437.0	7,437.0	101.6	13.0	-90.00	-5,708.2	-58.8	240.0	125.5	114.50	2.096		
12,960.4	7,378.0	7,437.0	7,437.0	102.7	13.0	-90.00	-5,708.2	-58.8	232.3	116.7	115.55	2.010	CC, ES, SF	
13,000.0	7,378.0	7,437.0	7,437.0	103.4	13.0	-90.00	-5,708.2	-58.8	235.6	119.4	116.24	2.027		
13,100.0	7,378.0	7,437.0	7,437.0	105.1	13.0	-90.00	-5,708.2	-58.8	271.0	153.0	117.98	2.297		
13,200.0	7,378.0	7,437.0	7,437.0	106.9	13.0	-90.00	-5,708.2	-58.8	333.7	214.0	119.72	2.788		
13,300.0	7,378.0	7,437.0	7,437.0	108.6	13.0	-90.00	-5,708.2	-58.8	411.5	290.0	121.46	3.388		
13,400.0	7,378.0	7,437.0	7,437.0	110.3	13.0	-90.00	-5,708.2	-58.8	497.2	374.0	123.21	4.036		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well File 3E-32H-K268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4971.0ft (Original Well Elev)
Reference Site:	S32-T2N-R68W (File)	MD Reference:	WELL @ 4971.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	File 3E-32H-K268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4971.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

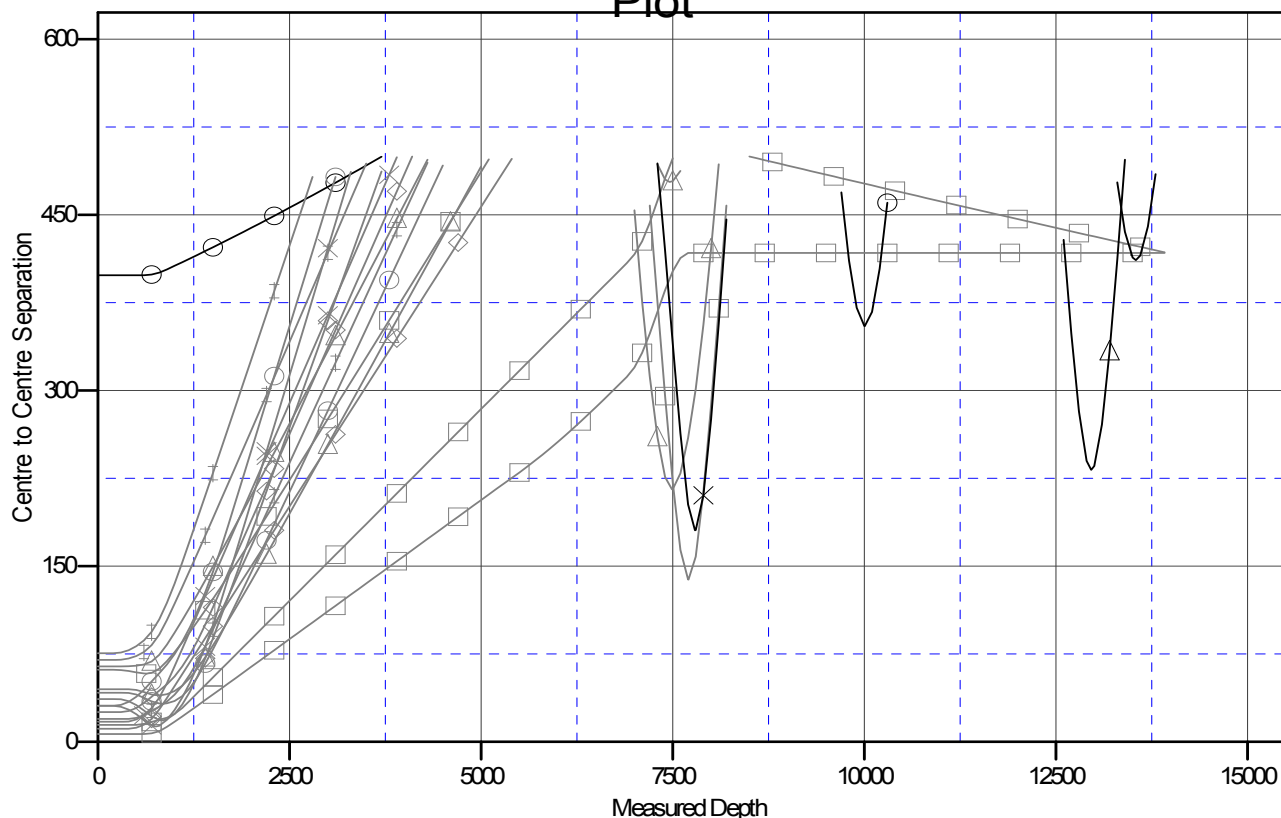
Central Meridian is -105.500000 °

Coordinates are relative to: File 3E-32H-K268

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.30°

Ladder Plot



LEGEND

1 V0	● NELSON 4 (EXISTING), TEXAS TEA WELL, NOSURVEYS V0	◆ File 3B-32H-K268, Hz, Plan #1 V0
1 V0	▲ SCHRINER 11-5 (EXISTING), KERR-MCGEE WELL, NOSURVEYS V0	● File 3A-32H-K268, Hz, Plan #1 V0
1 V0	✱ File 3O-32H-K268, Hz, Plan #1 V0	✱ File 3I-32H-K268, Hz, Plan #1 V0
1 V0	✱ File 3P-32H-K268, Hz, Plan #1 V0	✱ File 3H-32H-K268, Hz, Plan #1 V0
1 V0	● BROWN C UNIT 2 (EXISTING), ENCANA WELL, NOSURVEYS V0	✱ NELSON E UNIT 1 (EXISTING), ENCANA WELL, NOSURVEYS V0
1 V0	◆ File 3G-32H-K268, Hz, Plan #1 V0	✱ PAQUETTE 14-5 (EXISTING), KERR-MCGEE WELL, NOSURVEYS V0
1 V0	■ File 3M-32H-K268, Hz, Plan #1 V0	