

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #1		

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

Site	S32-T2N-R64W (Newman)				
Site Position:		Northing:	1,281,150.66 ft	Latitude:	40.101468
From:	Lat/Long	Easting:	3,257,734.55 ft	Longitude:	-104.578660
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.60 °

Well	Newman 2D-32H-C264					
Well Position	+N/-S	0.0 ft	Northing:	1,281,150.51 ft	Latitude:	40.101467
	+E/-W	0.0 ft	Easting:	3,257,757.21 ft	Longitude:	-104.578579
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,953.0 ft

<b>Wellbore</b>	HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	4/3/2014	8.36	66.74	52,698

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

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
890.9	10.82	286.06	887.7	14.1	-48.9	2.00	2.00	0.00	286.06	
5,548.3	10.82	286.06	5,462.3	255.9	-889.0	0.00	0.00	0.00	0.00	
6,089.2	0.00	0.00	6,000.0	270.0	-937.9	2.00	-2.00	0.00	180.00	
6,561.2	0.00	0.00	6,472.0	270.0	-937.9	0.00	0.00	0.00	0.00	
7,461.2	90.00	180.00	7,045.0	-303.0	-937.9	10.00	10.00	0.00	180.00	
11,707.0	90.00	180.00	7,045.0	-4,548.7	-937.9	0.00	0.00	0.00	0.00	Newman 2D-32H-C264

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<b>Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	KOP @ 350'
400.0	1.00	286.06	400.0	0.1	-0.4	-0.1	2.00	2.00	
500.0	3.00	286.06	499.9	1.1	-3.8	-1.1	2.00	2.00	
600.0	5.00	286.06	599.7	3.0	-10.5	-3.0	2.00	2.00	
700.0	7.00	286.06	699.1	5.9	-20.5	-5.9	2.00	2.00	
800.0	9.00	286.06	798.2	9.8	-33.9	-9.8	2.00	2.00	
890.9	10.82	286.06	887.7	14.1	-48.9	-14.1	2.00	2.00	EOB; Inc=10.82°
900.0	10.82	286.06	896.6	14.6	-50.6	-14.6	0.00	0.00	
962.5	10.82	286.06	958.0	17.8	-61.8	-17.8	0.00	0.00	Fox Hills - BASE
1,000.0	10.82	286.06	994.9	19.7	-68.6	-19.7	0.00	0.00	
1,100.0	10.82	286.06	1,093.1	24.9	-86.6	-24.9	0.00	0.00	
1,200.0	10.82	286.06	1,191.3	30.1	-104.7	-30.1	0.00	0.00	
1,300.0	10.82	286.06	1,289.5	35.3	-122.7	-35.3	0.00	0.00	
1,400.0	10.82	286.06	1,387.7	40.5	-140.8	-40.5	0.00	0.00	
1,500.0	10.82	286.06	1,486.0	45.7	-158.8	-45.7	0.00	0.00	
1,600.0	10.82	286.06	1,584.2	50.9	-176.8	-50.9	0.00	0.00	
1,700.0	10.82	286.06	1,682.4	56.1	-194.9	-56.1	0.00	0.00	
1,800.0	10.82	286.06	1,780.6	61.3	-212.9	-61.3	0.00	0.00	
1,900.0	10.82	286.06	1,878.9	66.5	-230.9	-66.5	0.00	0.00	
2,000.0	10.82	286.06	1,977.1	71.7	-249.0	-71.7	0.00	0.00	
2,100.0	10.82	286.06	2,075.3	76.9	-267.0	-76.9	0.00	0.00	
2,200.0	10.82	286.06	2,173.5	82.1	-285.0	-82.1	0.00	0.00	
2,300.0	10.82	286.06	2,271.7	87.3	-303.1	-87.3	0.00	0.00	
2,400.0	10.82	286.06	2,370.0	92.4	-321.1	-92.4	0.00	0.00	
2,500.0	10.82	286.06	2,468.2	97.6	-339.2	-97.6	0.00	0.00	
2,600.0	10.82	286.06	2,566.4	102.8	-357.2	-102.8	0.00	0.00	
2,700.0	10.82	286.06	2,664.6	108.0	-375.2	-108.0	0.00	0.00	
2,800.0	10.82	286.06	2,762.9	113.2	-393.3	-113.2	0.00	0.00	
2,900.0	10.82	286.06	2,861.1	118.4	-411.3	-118.4	0.00	0.00	
3,000.0	10.82	286.06	2,959.3	123.6	-429.3	-123.6	0.00	0.00	
3,100.0	10.82	286.06	3,057.5	128.8	-447.4	-128.8	0.00	0.00	
3,200.0	10.82	286.06	3,155.8	134.0	-465.4	-134.0	0.00	0.00	
3,300.0	10.82	286.06	3,254.0	139.2	-483.5	-139.2	0.00	0.00	
3,400.0	10.82	286.06	3,352.2	144.4	-501.5	-144.4	0.00	0.00	
3,500.0	10.82	286.06	3,450.4	149.6	-519.5	-149.6	0.00	0.00	
3,600.0	10.82	286.06	3,548.6	154.8	-537.6	-154.8	0.00	0.00	
3,700.0	10.82	286.06	3,646.9	159.9	-555.6	-159.9	0.00	0.00	
3,800.0	10.82	286.06	3,745.1	165.1	-573.6	-165.1	0.00	0.00	
3,900.0	10.82	286.06	3,843.3	170.3	-591.7	-170.3	0.00	0.00	
4,000.0	10.82	286.06	3,941.5	175.5	-609.7	-175.5	0.00	0.00	
4,100.0	10.82	286.06	4,039.8	180.7	-627.7	-180.7	0.00	0.00	
4,200.0	10.82	286.06	4,138.0	185.9	-645.8	-185.9	0.00	0.00	
4,300.0	10.82	286.06	4,236.2	191.1	-663.8	-191.1	0.00	0.00	
4,400.0	10.82	286.06	4,334.4	196.3	-681.9	-196.3	0.00	0.00	
4,466.8	10.82	286.06	4,400.0	199.8	-693.9	-199.8	0.00	0.00	Sussex
4,500.0	10.82	286.06	4,432.6	201.5	-699.9	-201.5	0.00	0.00	
4,600.0	10.82	286.06	4,530.9	206.7	-717.9	-206.7	0.00	0.00	
4,700.0	10.82	286.06	4,629.1	211.9	-736.0	-211.9	0.00	0.00	

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<b>Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,727.4	10.82	286.06	4,656.0	213.3	-740.9	-213.3	0.00	0.00	Sussex Marker
4,800.0	10.82	286.06	4,727.3	217.1	-754.0	-217.1	0.00	0.00	
4,900.0	10.82	286.06	4,825.5	222.3	-772.0	-222.3	0.00	0.00	
5,000.0	10.82	286.06	4,923.8	227.4	-790.1	-227.4	0.00	0.00	
5,055.2	10.82	286.06	4,978.0	230.3	-800.0	-230.3	0.00	0.00	Shannon
5,100.0	10.82	286.06	5,022.0	232.6	-808.1	-232.6	0.00	0.00	
5,200.0	10.82	286.06	5,120.2	237.8	-826.2	-237.8	0.00	0.00	
5,300.0	10.82	286.06	5,218.4	243.0	-844.2	-243.0	0.00	0.00	
5,400.0	10.82	286.06	5,316.7	248.2	-862.2	-248.2	0.00	0.00	
5,500.0	10.82	286.06	5,414.9	253.4	-880.3	-253.4	0.00	0.00	
5,548.3	10.82	286.06	5,462.3	255.9	-889.0	-255.9	0.00	0.00	Start Drop -2.00
5,600.0	9.78	286.06	5,513.2	258.5	-897.9	-258.5	2.00	-2.00	
5,700.0	7.78	286.06	5,612.0	262.7	-912.5	-262.7	2.00	-2.00	
5,800.0	5.78	286.06	5,711.3	266.0	-923.9	-266.0	2.00	-2.00	
5,900.0	3.78	286.06	5,810.9	268.3	-931.9	-268.3	2.00	-2.00	
6,000.0	1.78	286.06	5,910.8	269.6	-936.6	-269.6	2.00	-2.00	
6,089.2	0.00	0.00	6,000.0	270.0	-937.9	-270.0	2.00	-2.00	EOD; Inc=0°
6,100.0	0.00	0.00	6,010.8	270.0	-937.9	-270.0	0.00	0.00	
6,172.2	0.00	0.00	6,083.0	270.0	-937.9	-270.0	0.00	0.00	Teepee Buttes (*if present)
6,200.0	0.00	0.00	6,110.8	270.0	-937.9	-270.0	0.00	0.00	
6,300.0	0.00	0.00	6,210.8	270.0	-937.9	-270.0	0.00	0.00	
6,400.0	0.00	0.00	6,310.8	270.0	-937.9	-270.0	0.00	0.00	
6,500.0	0.00	0.00	6,410.8	270.0	-937.9	-270.0	0.00	0.00	
6,561.2	0.00	0.00	6,472.0	270.0	-937.9	-270.0	0.00	0.00	Start Build 10.00
6,600.0	3.88	180.00	6,510.8	268.7	-937.9	-268.7	10.00	10.00	
6,700.0	13.88	180.00	6,609.5	253.3	-937.9	-253.3	10.00	10.00	
6,800.0	23.88	180.00	6,704.0	221.0	-937.9	-221.0	10.00	10.00	
6,900.0	33.88	180.00	6,791.4	172.7	-937.9	-172.7	10.00	10.00	
6,949.2	38.79	180.00	6,831.0	143.6	-937.9	-143.6	10.00	10.00	Sharon Springs
6,987.4	42.62	180.00	6,860.0	118.7	-937.9	-118.7	10.00	10.00	Niobrara
7,000.0	43.88	180.00	6,869.2	110.0	-937.9	-110.0	10.00	10.00	
7,100.0	53.88	180.00	6,934.8	34.8	-937.9	-34.8	10.00	10.00	
7,115.8	55.46	180.00	6,944.0	21.9	-937.9	-21.9	10.00	10.00	B Chalk
7,158.8	59.75	180.00	6,967.0	-14.3	-937.9	14.3	10.00	10.00	B Marl
7,200.0	63.88	180.00	6,986.5	-50.7	-937.9	50.7	10.00	10.00	
7,284.6	72.34	180.00	7,018.0	-129.1	-937.9	129.1	10.00	10.00	C Chalk
7,300.0	73.88	180.00	7,022.5	-143.8	-937.9	143.8	10.00	10.00	
7,400.0	83.88	180.00	7,041.7	-241.8	-937.9	241.8	10.00	10.00	
7,461.2	90.00	180.00	7,045.0	-303.0	-937.9	303.0	10.00	10.00	LP @ 7045' TVD; 90°
7,500.0	90.00	180.00	7,045.0	-341.7	-937.9	341.7	0.00	0.00	
7,600.0	90.00	180.00	7,045.0	-441.7	-937.9	441.7	0.00	0.00	
7,700.0	90.00	180.00	7,045.0	-541.7	-937.9	541.7	0.00	0.00	
7,800.0	90.00	180.00	7,045.0	-641.7	-937.9	641.7	0.00	0.00	
7,900.0	90.00	180.00	7,045.0	-741.7	-937.9	741.7	0.00	0.00	
8,000.0	90.00	180.00	7,045.0	-841.7	-937.9	841.7	0.00	0.00	
8,100.0	90.00	180.00	7,045.0	-941.7	-937.9	941.7	0.00	0.00	
8,200.0	90.00	180.00	7,045.0	-1,041.7	-937.9	1,041.7	0.00	0.00	
8,300.0	90.00	180.00	7,045.0	-1,141.7	-937.9	1,141.7	0.00	0.00	
8,400.0	90.00	180.00	7,045.0	-1,241.7	-937.9	1,241.7	0.00	0.00	
8,500.0	90.00	180.00	7,045.0	-1,341.7	-937.9	1,341.7	0.00	0.00	
8,600.0	90.00	180.00	7,045.0	-1,441.7	-937.9	1,441.7	0.00	0.00	
8,700.0	90.00	180.00	7,045.0	-1,541.7	-937.9	1,541.7	0.00	0.00	

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8,800.0	90.00	180.00	7,045.0	-1,641.7	-937.9	1,641.7	0.00	0.00	
8,900.0	90.00	180.00	7,045.0	-1,741.7	-937.9	1,741.7	0.00	0.00	
9,000.0	90.00	180.00	7,045.0	-1,841.7	-937.9	1,841.7	0.00	0.00	
9,100.0	90.00	180.00	7,045.0	-1,941.7	-937.9	1,941.7	0.00	0.00	
9,200.0	90.00	180.00	7,045.0	-2,041.7	-937.9	2,041.7	0.00	0.00	
9,300.0	90.00	180.00	7,045.0	-2,141.7	-937.9	2,141.7	0.00	0.00	
9,400.0	90.00	180.00	7,045.0	-2,241.7	-937.9	2,241.7	0.00	0.00	
9,500.0	90.00	180.00	7,045.0	-2,341.7	-937.9	2,341.7	0.00	0.00	
9,600.0	90.00	180.00	7,045.0	-2,441.7	-937.9	2,441.7	0.00	0.00	
9,700.0	90.00	180.00	7,045.0	-2,541.7	-937.9	2,541.7	0.00	0.00	
9,800.0	90.00	180.00	7,045.0	-2,641.7	-937.9	2,641.7	0.00	0.00	
9,900.0	90.00	180.00	7,045.0	-2,741.7	-937.9	2,741.7	0.00	0.00	
10,000.0	90.00	180.00	7,045.0	-2,841.7	-937.9	2,841.7	0.00	0.00	
10,100.0	90.00	180.00	7,045.0	-2,941.7	-937.9	2,941.7	0.00	0.00	
10,200.0	90.00	180.00	7,045.0	-3,041.7	-937.9	3,041.7	0.00	0.00	
10,300.0	90.00	180.00	7,045.0	-3,141.7	-937.9	3,141.7	0.00	0.00	
10,400.0	90.00	180.00	7,045.0	-3,241.7	-937.9	3,241.7	0.00	0.00	
10,500.0	90.00	180.00	7,045.0	-3,341.7	-937.9	3,341.7	0.00	0.00	
10,600.0	90.00	180.00	7,045.0	-3,441.7	-937.9	3,441.7	0.00	0.00	
10,700.0	90.00	180.00	7,045.0	-3,541.7	-937.9	3,541.7	0.00	0.00	
10,800.0	90.00	180.00	7,045.0	-3,641.7	-937.9	3,641.7	0.00	0.00	
10,900.0	90.00	180.00	7,045.0	-3,741.7	-937.9	3,741.7	0.00	0.00	
11,000.0	90.00	180.00	7,045.0	-3,841.7	-937.9	3,841.7	0.00	0.00	
11,100.0	90.00	180.00	7,045.0	-3,941.7	-937.9	3,941.7	0.00	0.00	
11,200.0	90.00	180.00	7,045.0	-4,041.7	-937.9	4,041.7	0.00	0.00	
11,300.0	90.00	180.00	7,045.0	-4,141.7	-937.9	4,141.7	0.00	0.00	
11,400.0	90.00	180.00	7,045.0	-4,241.7	-937.9	4,241.7	0.00	0.00	
11,500.0	90.00	180.00	7,045.0	-4,341.7	-937.9	4,341.7	0.00	0.00	
11,600.0	90.00	180.00	7,045.0	-4,441.7	-937.9	4,441.7	0.00	0.00	
11,700.0	90.00	180.00	7,045.0	-4,541.7	-937.9	4,541.7	0.00	0.00	
11,707.0	90.00	180.00	7,045.0	-4,548.7	-937.9	4,548.7	0.00	0.00	TD at 11707.0

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Newman 2D-32H-C264   - plan hits target center - Point	0.00	0.00	7,045.0	-4,548.7	-937.9	1,276,592.30	3,256,866.67	40.088980	-104.581931

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
962.5	958.0	Fox Hills - BASE				
4,466.8	4,400.0	Sussex				
4,727.4	4,656.0	Sussex Marker				
5,055.2	4,978.0	Shannon				
6,172.2	6,083.0	Teepee Buttes (*if present)				
6,949.2	6,831.0	Sharon Springs				
6,987.4	6,860.0	Niobrara				
7,115.8	6,944.0	B Chalk				
7,158.8	6,967.0	B Marl				
7,284.6	7,018.0	C Chalk				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
350.0	350.0	0.0	0.0	KOP @ 350'	
890.9	887.7	14.1	-48.9	EOB; Inc=10.82°	
5,548.3	5,462.3	255.9	-889.0	Start Drop -2.00	
6,089.2	6,000.0	270.0	-937.9	EOD; Inc=0°	
6,561.2	6,472.0	270.0	-937.9	Start Build 10.00	
7,461.2	7,045.0	-303.0	-937.9	LP @ 7045' TVD; 90°	
11,707.0	7,045.0	-4,548.7	-937.9	TD at 11707.0	

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

**DJ Wattenberg**

**S32-T2N-R64W (Newman)**

**Newman 2D-32H-C264**

**HZ**

**Plan #1**

## **Anticollision Report**

**04 April, 2014**

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference	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 1,000.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	4/4/2014		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,707.0	Plan #1 (HZ)	Geolink MWD	Geolink MWD	

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S32-T2N-R64W (Newman)						
NEWMAN 2-32 (EXISTING) - EXISTING - ENCANA WE	8,170.6	6,995.0	661.8	626.6	18.797	CC, ES
NEWMAN 2-32 (EXISTING) - EXISTING - ENCANA WE	8,400.0	6,995.0	700.4	661.7	18.104	SF
Newman 2A-32H-C264 - HZ - Plan #1	200.0	199.0	22.7	22.1	38.302	CC, ES
Newman 2A-32H-C264 - HZ - Plan #1	11,707.0	11,830.8	675.1	510.5	4.101	SF
Newman 2B-32H-C264 - HZ - Plan #1	233.4	233.4	15.1	14.4	21.286	CC, ES
Newman 2B-32H-C264 - HZ - Plan #1	11,707.0	11,708.3	459.3	297.6	2.840	SF
Newman 2C-32H-C264 - HZ - Plan #1	300.0	300.0	7.6	6.6	8.014	CC, ES
Newman 2C-32H-C264 - HZ - Plan #1	11,707.0	11,876.5	251.4	109.3	1.769	SF
Newman 2E-32H-C264 - HZ - Plan #1	300.0	300.0	7.6	6.6	8.014	CC
Newman 2E-32H-C264 - HZ - Plan #1	327.9	327.9	7.6	6.6	7.326	ES
Newman 2E-32H-C264 - HZ - Plan #1	11,707.0	11,585.7	242.7	89.5	1.585	SF
Newman 2F-32H-C264 - HZ - Plan #1	300.0	301.0	14.8	13.9	15.702	CC
Newman 2F-32H-C264 - HZ - Plan #1	327.9	328.9	14.9	13.8	14.298	ES
Newman 2F-32H-C264 - HZ - Plan #1	11,707.0	11,780.5	468.3	309.6	2.951	SF
Newman 2G-32H-C264 - HZ - Plan #1	300.0	301.0	22.4	21.4	23.701	CC
Newman 2G-32H-C264 - HZ - Plan #1	327.8	328.8	22.4	21.4	21.552	ES
Newman 2G-32H-C264 - HZ - Plan #1	11,707.0	11,633.5	674.9	510.1	4.097	SF
Newman 2H-32H-C264 - HZ - Plan #1	300.0	301.0	29.9	29.0	31.702	CC
Newman 2H-32H-C264 - HZ - Plan #1	327.8	328.8	30.0	29.0	28.809	ES
Newman 2H-32H-C264 - HZ - Plan #1	11,707.0	11,534.7	904.4	740.5	5.519	SF
Newman 2I-32H-C264 - HZ - Plan #1	300.0	302.0	37.5	36.5	39.628	CC
Newman 2I-32H-C264 - HZ - Plan #1	328.4	330.4	37.6	36.5	35.931	ES
Newman 2I-32H-C264 - HZ - Plan #1	600.0	600.9	49.7	47.7	24.925	SF
Newman 2J-32H-C264 - HZ - Plan #1	300.0	302.0	45.0	44.1	47.612	CC
Newman 2J-32H-C264 - HZ - Plan #1	327.0	329.0	45.1	44.1	43.361	ES
Newman 2J-32H-C264 - HZ - Plan #1	600.0	600.0	59.9	57.9	30.102	SF
Newman 2K-32H-C264 - HZ - Plan #1	266.0	268.0	52.3	51.5	63.237	CC
Newman 2K-32H-C264 - HZ - Plan #1	300.0	302.0	52.3	51.4	55.302	ES
Newman 2K-32H-C264 - HZ - Plan #1	600.0	598.5	69.9	67.9	35.170	SF
Newman 2L-32H-C264 - HZ - Plan #1	230.6	232.6	59.9	59.2	85.086	CC
Newman 2L-32H-C264 - HZ - Plan #1	300.0	301.5	60.1	59.1	63.574	ES
Newman 2L-32H-C264 - HZ - Plan #1	600.0	597.3	80.4	78.5	40.514	SF
RUHL 1 (EXISTING) - EXISTING - ENCANA WELL						Out of range



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - NEWMAN 2-32 (EXISTING) - EXISTING - ENCANA WELL													Offset Site Error:	0.0 ft
Survey Program: 7893-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)				
7,500.0	7,045.0	6,995.0	6,995.0	22.0	12.2	-90.00	-1,012.3	-276.1	942.2	915.4	26.71	35.273		
7,600.0	7,045.0	6,995.0	6,995.0	22.7	12.2	-90.00	-1,012.3	-276.1	873.8	846.1	27.71	31.536		
7,700.0	7,045.0	6,995.0	6,995.0	23.4	12.2	-90.00	-1,012.3	-276.1	812.0	783.2	28.83	28.166		
7,800.0	7,045.0	6,995.0	6,995.0	24.3	12.2	-90.00	-1,012.3	-276.1	758.5	728.4	30.06	25.235		
7,900.0	7,045.0	6,995.0	6,995.0	25.3	12.2	-90.00	-1,012.3	-276.1	715.0	683.6	31.36	22.796		
8,000.0	7,045.0	6,995.0	6,995.0	26.3	12.2	-90.00	-1,012.3	-276.1	683.4	650.7	32.74	20.875		
8,100.0	7,045.0	6,995.0	6,995.0	27.4	12.2	-90.00	-1,012.3	-276.1	665.5	631.4	34.17	19.479		
8,170.6	7,045.0	6,995.0	6,995.0	28.3	12.2	-90.00	-1,012.3	-276.1	661.8	626.6	35.21	18.797 CC, ES		
8,200.0	7,045.0	6,995.0	6,995.0	28.6	12.2	-90.00	-1,012.3	-276.1	662.4	626.8	35.64	18.587		
8,300.0	7,045.0	6,995.0	6,995.0	29.9	12.2	-90.00	-1,012.3	-276.1	674.3	637.2	37.15	18.152		
8,400.0	7,045.0	6,995.0	6,995.0	31.2	12.2	-90.00	-1,012.3	-276.1	700.4	661.7	38.69	18.104 SF		
8,500.0	7,045.0	6,995.0	6,995.0	32.5	12.2	-90.00	-1,012.3	-276.1	739.2	699.0	40.25	18.365		
8,600.0	7,045.0	6,995.0	6,995.0	33.9	12.2	-90.00	-1,012.3	-276.1	788.9	747.0	41.84	18.856		
8,700.0	7,045.0	6,995.0	6,995.0	35.3	12.2	-90.00	-1,012.3	-276.1	847.5	804.0	43.44	19.508		
8,800.0	7,045.0	6,995.0	6,995.0	36.7	12.2	-90.00	-1,012.3	-276.1	913.3	868.2	45.06	20.268		
8,900.0	7,045.0	6,995.0	6,995.0	38.2	12.2	-90.00	-1,012.3	-276.1	984.9	938.2	46.69	21.092		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2A-32H-C264 - 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	-89.05	0.4	-22.7	22.7					
100.0	100.0	99.0	99.0	0.1	0.1	-89.05	0.4	-22.7	22.7	22.4	0.24	93.211		
200.0	200.0	199.0	199.0	0.3	0.3	-89.05	0.4	-22.7	22.7	22.1	0.59	38.302 CC, ES		
300.0	300.0	298.2	298.2	0.5	0.5	-88.42	0.7	-24.3	24.3	23.4	0.94	25.823		
400.0	400.0	397.2	397.0	0.6	0.7	-13.19	1.6	-29.3	29.0	27.7	1.29	22.549		
500.0	499.9	496.0	495.4	0.8	0.9	-12.70	3.0	-37.7	34.2	32.5	1.63	20.900		
600.0	599.7	594.6	593.3	1.0	1.2	-12.86	5.1	-49.4	39.3	37.3	1.98	19.829		
700.0	699.1	693.0	690.6	1.3	1.5	-13.43	7.8	-64.3	44.5	42.2	2.33	19.061		
800.0	798.2	791.3	787.1	1.5	1.8	-14.30	11.0	-82.5	49.7	47.0	2.69	18.457		
900.0	896.6	889.4	882.7	1.9	2.2	-15.36	14.8	-103.9	54.9	51.8	3.06	17.936		
1,000.0	994.9	987.1	977.3	2.2	2.7	-16.06	19.2	-128.5	62.1	58.7	3.45	18.031		
1,100.0	1,093.1	1,084.7	1,070.7	2.6	3.2	-16.13	24.1	-156.1	72.6	68.8	3.83	18.974		
1,200.0	1,191.3	1,184.0	1,165.4	2.9	3.8	-16.03	29.3	-185.3	84.4	80.2	4.21	20.025		
1,300.0	1,289.5	1,283.3	1,260.2	3.3	4.3	-15.96	34.5	-214.6	96.1	91.5	4.60	20.894		
1,400.0	1,387.7	1,382.6	1,354.9	3.6	4.9	-15.90	39.7	-243.8	107.9	102.9	4.99	21.625		
1,500.0	1,486.0	1,481.9	1,449.7	4.0	5.5	-15.85	44.9	-273.1	119.6	114.3	5.38	22.248		
1,600.0	1,584.2	1,581.2	1,544.5	4.4	6.0	-15.81	50.1	-302.4	131.4	125.6	5.77	22.785		
1,700.0	1,682.4	1,680.5	1,639.2	4.7	6.6	-15.78	55.3	-331.6	143.1	137.0	6.16	23.253		
1,800.0	1,780.6	1,779.8	1,734.0	5.1	7.1	-15.75	60.4	-360.9	154.9	148.4	6.55	23.663		
1,900.0	1,878.9	1,879.1	1,828.7	5.5	7.7	-15.73	65.6	-390.2	166.6	159.7	6.94	24.027		
2,000.0	1,977.1	1,978.4	1,923.5	5.9	8.3	-15.70	70.8	-419.4	178.4	171.1	7.33	24.351		
2,100.0	2,075.3	2,077.7	2,018.2	6.2	8.8	-15.69	76.0	-448.7	190.2	182.4	7.72	24.641		
2,200.0	2,173.5	2,177.0	2,113.0	6.6	9.4	-15.67	81.2	-478.0	201.9	193.8	8.11	24.903		
2,300.0	2,271.7	2,276.4	2,207.7	7.0	10.0	-15.66	86.4	-507.2	213.7	205.2	8.50	25.141		
2,400.0	2,370.0	2,375.7	2,302.5	7.3	10.5	-15.64	91.6	-536.5	225.4	216.5	8.89	25.357		
2,500.0	2,468.2	2,475.0	2,397.3	7.7	11.1	-15.63	96.8	-565.8	237.2	227.9	9.28	25.555		
2,600.0	2,566.4	2,574.3	2,492.0	8.1	11.7	-15.62	102.0	-595.0	248.9	239.2	9.67	25.736		
2,700.0	2,664.6	2,673.6	2,586.8	8.5	12.2	-15.61	107.2	-624.3	260.7	250.6	10.06	25.903		
2,800.0	2,762.9	2,772.9	2,681.5	8.8	12.8	-15.60	112.4	-653.6	272.4	262.0	10.45	26.058		
2,900.0	2,861.1	2,872.2	2,776.3	9.2	13.4	-15.60	117.6	-682.8	284.2	273.3	10.85	26.201		
3,000.0	2,959.3	2,971.5	2,871.0	9.6	13.9	-15.59	122.8	-712.1	295.9	284.7	11.24	26.334		
3,100.0	3,057.5	3,070.8	2,965.8	10.0	14.5	-15.58	128.0	-741.4	307.7	296.0	11.63	26.458		
3,200.0	3,155.8	3,170.1	3,060.5	10.3	15.1	-15.58	133.2	-770.6	319.4	307.4	12.02	26.573		
3,300.0	3,254.0	3,269.4	3,155.3	10.7	15.6	-15.57	138.4	-799.9	331.2	318.8	12.41	26.682		
3,400.0	3,352.2	3,368.7	3,250.0	11.1	16.2	-15.56	143.6	-829.1	342.9	330.1	12.80	26.783		
3,500.0	3,450.4	3,468.0	3,344.8	11.5	16.8	-15.56	148.8	-858.4	354.7	341.5	13.20	26.879		
3,600.0	3,548.6	3,567.3	3,439.6	11.8	17.3	-15.55	154.0	-887.7	366.4	352.8	13.59	26.969		
3,700.0	3,646.9	3,666.7	3,534.3	12.2	17.9	-15.55	159.2	-916.9	378.2	364.2	13.98	27.054		
3,800.0	3,745.1	3,766.0	3,629.1	12.6	18.5	-15.55	164.4	-946.2	389.9	375.6	14.37	27.134		
3,900.0	3,843.3	3,865.3	3,723.8	13.0	19.0	-15.54	169.6	-975.5	401.7	386.9	14.76	27.210		
4,000.0	3,941.5	3,964.6	3,818.6	13.3	19.6	-15.54	174.8	-1,004.7	413.4	398.3	15.15	27.281		
4,100.0	4,039.8	4,063.9	3,913.3	13.7	20.2	-15.53	180.0	-1,034.0	425.2	409.6	15.55	27.350		
4,200.0	4,138.0	4,163.2	4,008.1	14.1	20.7	-15.53	185.2	-1,063.3	436.9	421.0	15.94	27.414		
4,300.0	4,236.2	4,262.5	4,102.8	14.5	21.3	-15.53	190.4	-1,092.5	448.7	432.4	16.33	27.476		
4,400.0	4,334.4	4,361.8	4,197.6	14.8	21.9	-15.53	195.6	-1,121.8	460.4	443.7	16.72	27.535		
4,500.0	4,432.6	4,461.1	4,292.3	15.2	22.4	-15.52	200.8	-1,151.1	472.2	455.1	17.11	27.591		
4,600.0	4,530.9	4,560.4	4,387.1	15.6	23.0	-15.52	206.0	-1,180.3	483.9	466.4	17.51	27.644		
4,700.0	4,629.1	4,659.7	4,481.9	16.0	23.6	-15.52	211.2	-1,209.6	495.7	477.8	17.90	27.696		
4,800.0	4,727.3	4,759.0	4,576.6	16.3	24.1	-15.51	216.4	-1,238.9	507.4	489.2	18.29	27.744		
4,900.0	4,825.5	4,858.3	4,671.4	16.7	24.7	-15.51	221.6	-1,268.1	519.2	500.5	18.68	27.791		
5,000.0	4,923.8	4,957.6	4,766.1	17.1	25.3	-15.51	226.8	-1,297.4	530.9	511.9	19.07	27.836		
5,100.0	5,022.0	5,057.0	4,860.9	17.5	25.8	-15.51	232.0	-1,326.7	542.7	523.2	19.47	27.879		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2A-32H-C264 - 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	5,120.2	5,156.3	4,955.6	17.8	26.4	-15.51	237.2	-1,355.9	554.4	534.6	19.86	27.921		
5,300.0	5,218.4	5,255.6	5,050.4	18.2	27.0	-15.50	242.4	-1,385.2	566.2	545.9	20.25	27.960		
5,400.0	5,316.7	5,355.5	5,145.8	18.6	27.5	-15.50	247.6	-1,414.6	577.9	557.3	20.64	27.997		
5,500.0	5,414.9	5,480.1	5,265.4	19.0	28.2	-15.55	253.6	-1,448.6	587.5	566.4	21.09	27.851		
5,600.0	5,513.2	5,605.3	5,387.2	19.3	28.7	-15.68	258.8	-1,477.7	593.1	571.6	21.55	27.523		
5,700.0	5,612.0	5,731.0	5,510.4	19.6	29.1	-15.81	263.0	-1,501.5	597.5	575.5	21.97	27.193		
5,800.0	5,711.3	5,856.8	5,634.9	19.9	29.5	-15.91	266.3	-1,520.0	600.8	578.5	22.36	26.874		
5,900.0	5,810.9	5,982.9	5,760.2	20.1	29.7	-15.97	268.6	-1,533.1	603.2	580.5	22.71	26.565		
6,000.0	5,910.8	6,109.1	5,886.2	20.2	29.9	-16.01	270.0	-1,540.7	604.6	581.6	23.02	26.262		
6,100.0	6,010.8	6,232.8	6,009.8	20.3	30.0	-89.96	270.4	-1,543.0	605.1	581.7	23.31	25.956		
6,200.0	6,110.8	6,332.8	6,109.8	20.4	30.1	-89.96	270.4	-1,543.0	605.1	581.4	23.63	25.603		
6,300.0	6,210.8	6,432.8	6,209.8	20.5	30.1	-89.96	270.4	-1,543.0	605.1	581.1	23.95	25.259		
6,400.0	6,310.8	6,532.8	6,309.8	20.6	30.2	-89.96	270.4	-1,543.0	605.1	580.8	24.28	24.923		
6,500.0	6,410.8	6,632.8	6,409.8	20.7	30.3	-89.96	270.4	-1,543.0	605.1	580.5	24.60	24.596		
6,540.0	6,450.8	6,672.8	6,449.8	20.7	30.3	90.09	270.4	-1,543.0	605.1	580.4	24.71	24.489		
6,600.0	6,510.8	6,732.2	6,509.2	20.7	30.3	90.04	269.1	-1,543.0	605.1	580.2	24.89	24.314		
6,700.0	6,609.5	6,830.8	6,606.5	20.8	30.3	90.04	254.1	-1,543.2	605.3	580.3	24.97	24.244		
6,800.0	6,704.0	6,929.4	6,699.9	20.7	30.3	90.03	222.7	-1,543.7	605.8	580.9	24.89	24.333		
6,900.0	6,791.4	7,028.1	6,786.5	20.7	30.3	90.03	175.7	-1,544.3	606.5	581.7	24.76	24.489		
7,000.0	6,869.2	7,127.0	6,864.0	20.7	30.3	90.02	114.4	-1,545.2	607.4	582.7	24.70	24.591		
7,100.0	6,934.8	7,226.0	6,929.8	20.7	30.3	90.02	40.7	-1,546.3	608.4	583.6	24.83	24.503		
7,200.0	6,986.5	7,325.2	6,982.1	20.8	30.4	90.01	-43.5	-1,547.5	609.7	584.4	25.29	24.109		
7,300.0	7,022.5	7,424.7	7,019.2	21.1	30.6	90.01	-135.7	-1,548.9	611.0	584.9	26.15	23.367		
7,400.0	7,041.7	7,524.4	7,039.8	21.5	30.9	90.00	-233.1	-1,550.3	612.4	585.0	27.43	22.324		
7,500.0	7,045.0	7,624.3	7,044.0	22.0	31.2	90.00	-332.8	-1,551.7	613.9	584.8	29.11	21.092		
7,600.0	7,045.0	7,724.3	7,044.0	22.7	31.7	90.00	-432.8	-1,553.2	615.4	584.3	31.08	19.802		
7,700.0	7,045.0	7,824.3	7,044.0	23.4	32.2	90.00	-532.8	-1,554.6	616.8	583.5	33.30	18.523		
7,800.0	7,045.0	7,924.3	7,044.0	24.3	32.9	90.00	-632.7	-1,556.1	618.3	582.5	35.73	17.303		
7,900.0	7,045.0	8,024.2	7,044.0	25.3	33.6	90.00	-732.7	-1,557.5	619.7	581.4	38.33	16.168		
8,000.0	7,045.0	8,124.2	7,044.0	26.3	34.3	90.00	-832.7	-1,559.0	621.2	580.1	41.06	15.127		
8,100.0	7,045.0	8,224.2	7,044.0	27.4	35.2	90.00	-932.7	-1,560.5	622.6	578.7	43.91	14.181		
8,200.0	7,045.0	8,324.2	7,044.0	28.6	36.1	90.00	-1,032.7	-1,561.9	624.1	577.2	46.84	13.323		
8,300.0	7,045.0	8,424.2	7,044.0	29.9	37.1	90.00	-1,132.6	-1,563.4	625.5	575.7	49.85	12.548		
8,400.0	7,045.0	8,524.2	7,044.0	31.2	38.1	90.00	-1,232.6	-1,564.8	627.0	574.1	52.92	11.848		
8,500.0	7,045.0	8,624.2	7,044.0	32.5	39.2	90.00	-1,332.6	-1,566.3	628.5	572.4	56.04	11.214		
8,600.0	7,045.0	8,724.2	7,044.0	33.9	40.4	90.00	-1,432.6	-1,567.7	629.9	570.7	59.21	10.639		
8,700.0	7,045.0	8,824.2	7,044.0	35.3	41.5	90.00	-1,532.5	-1,569.2	631.4	569.0	62.41	10.117		
8,800.0	7,045.0	8,924.2	7,044.0	36.7	42.8	90.00	-1,632.5	-1,570.6	632.8	567.2	65.64	9.641		
8,900.0	7,045.0	9,024.1	7,044.0	38.2	44.0	90.00	-1,732.5	-1,572.1	634.3	565.4	68.90	9.206		
9,000.0	7,045.0	9,124.1	7,044.0	39.7	45.3	90.00	-1,832.5	-1,573.5	635.7	563.5	72.18	8.807		
9,100.0	7,045.0	9,224.1	7,044.0	41.2	46.6	90.00	-1,932.5	-1,575.0	637.2	561.7	75.49	8.441		
9,200.0	7,045.0	9,324.1	7,044.0	42.7	48.0	90.00	-2,032.4	-1,576.4	638.6	559.8	78.81	8.104		
9,300.0	7,045.0	9,424.1	7,044.0	44.3	49.4	90.00	-2,132.4	-1,577.9	640.1	557.9	82.14	7.792		
9,400.0	7,045.0	9,524.1	7,044.0	45.8	50.8	90.00	-2,232.4	-1,579.4	641.5	556.1	85.50	7.504		
9,500.0	7,045.0	9,624.1	7,044.0	47.4	52.2	90.00	-2,332.4	-1,580.8	643.0	554.1	88.86	7.236		
9,600.0	7,045.0	9,724.1	7,044.0	49.0	53.7	90.00	-2,432.4	-1,582.3	644.5	552.2	92.23	6.987		
9,700.0	7,045.0	9,824.1	7,044.0	50.6	55.1	90.00	-2,532.3	-1,583.7	645.9	550.3	95.61	6.755		
9,800.0	7,045.0	9,924.0	7,044.0	52.2	56.6	90.00	-2,632.3	-1,585.2	647.4	548.4	99.01	6.539		
9,900.0	7,045.0	10,024.0	7,044.0	53.8	58.1	90.00	-2,732.3	-1,586.6	648.8	546.4	102.41	6.336		
10,000.0	7,045.0	10,124.0	7,044.0	55.4	59.6	90.00	-2,832.3	-1,588.1	650.3	544.5	105.81	6.146		
10,100.0	7,045.0	10,224.0	7,044.0	57.1	61.1	90.00	-2,932.2	-1,589.5	651.7	542.5	109.22	5.967		
10,200.0	7,045.0	10,324.0	7,044.0	58.7	62.7	90.00	-3,032.2	-1,591.0	653.2	540.5	112.64	5.799		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2A-32H-C264 - 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	
10,300.0	7,045.0	10,424.0	7,044.0	60.4	64.2	90.00	-3,132.2	-1,592.4	654.6	538.6	116.07	5.640	
10,400.0	7,045.0	10,524.0	7,044.0	62.0	65.8	90.00	-3,232.2	-1,593.9	656.1	536.6	119.50	5.490	
10,500.0	7,045.0	10,624.0	7,044.0	63.7	67.4	90.00	-3,332.2	-1,595.3	657.6	534.6	122.93	5.349	
10,600.0	7,045.0	10,724.0	7,044.0	65.3	68.9	90.00	-3,432.1	-1,596.8	659.0	532.6	126.37	5.215	
10,700.0	7,045.0	10,823.9	7,044.0	67.0	70.5	90.00	-3,532.1	-1,598.3	660.5	530.7	129.81	5.088	
10,800.0	7,045.0	10,923.9	7,044.0	68.7	72.1	90.00	-3,632.1	-1,599.7	661.9	528.7	133.25	4.967	
10,900.0	7,045.0	11,023.9	7,044.0	70.3	73.7	90.00	-3,732.1	-1,601.2	663.4	526.7	136.70	4.853	
11,000.0	7,045.0	11,123.9	7,044.0	72.0	75.3	90.00	-3,832.1	-1,602.6	664.8	524.7	140.15	4.744	
11,100.0	7,045.0	11,223.9	7,044.0	73.7	76.9	90.00	-3,932.0	-1,604.1	666.3	522.7	143.61	4.640	
11,200.0	7,045.0	11,323.9	7,044.0	75.4	78.6	90.00	-4,032.0	-1,605.5	667.7	520.7	147.06	4.540	
11,300.0	7,045.0	11,423.9	7,044.0	77.1	80.2	90.00	-4,132.0	-1,607.0	669.2	518.7	150.52	4.446	
11,400.0	7,045.0	11,523.9	7,044.0	78.8	81.8	90.00	-4,232.0	-1,608.4	670.6	516.7	153.98	4.355	
11,500.0	7,045.0	11,623.9	7,044.0	80.5	83.5	90.00	-4,332.0	-1,609.9	672.1	514.7	157.45	4.269	
11,600.0	7,045.0	11,723.9	7,044.0	82.2	85.1	90.00	-4,431.9	-1,611.3	673.6	512.6	160.91	4.186	
11,700.0	7,045.0	11,823.8	7,044.0	83.9	86.8	90.00	-4,531.9	-1,612.8	675.0	510.6	164.38	4.106	
11,707.0	7,045.0	11,830.8	7,044.0	84.0	86.9	90.00	-4,538.9	-1,612.9	675.1	510.5	164.62	4.101 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2B-32H-C264 - 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		
0.0	0.0	0.0	0.0	0.0	0.0	-88.62	0.4	-15.1	15.1					
100.0	100.0	100.0	100.0	0.1	0.1	-88.62	0.4	-15.1	15.1	14.9	0.24	61.839		
200.0	200.0	200.0	200.0	0.3	0.3	-88.62	0.4	-15.1	15.1	14.5	0.59	25.463		
233.4	233.4	233.4	233.4	0.4	0.4	-88.62	0.4	-15.1	15.1	14.4	0.71	21.286	CC, ES	
300.0	300.0	299.7	299.7	0.5	0.5	-88.35	0.4	-15.5	15.5	14.6	0.94	16.491		
400.0	400.0	399.1	399.0	0.6	0.7	-12.98	1.1	-18.9	18.5	17.3	1.29	14.374		
500.0	499.9	498.4	498.0	0.8	0.9	-12.48	2.4	-25.7	22.0	20.4	1.64	13.438		
600.0	599.7	597.5	596.6	1.0	1.1	-12.78	4.4	-35.8	25.5	23.5	1.99	12.837		
700.0	699.1	696.5	694.7	1.3	1.4	-13.59	7.1	-49.2	29.0	26.7	2.34	12.409		
800.0	798.2	795.4	792.1	1.5	1.7	-14.74	10.4	-65.9	32.6	29.9	2.70	12.071		
900.0	896.6	894.1	888.7	1.9	2.1	-16.11	14.3	-85.9	36.2	33.1	3.07	11.775		
1,000.0	994.9	992.7	984.4	2.2	2.6	-16.83	18.8	-109.0	41.8	38.3	3.46	12.070		
1,100.0	1,093.1	1,091.6	1,079.7	2.6	3.0	-16.65	24.0	-135.1	50.2	46.4	3.85	13.065		
1,200.0	1,191.3	1,191.2	1,175.6	2.9	3.5	-16.46	29.2	-161.6	59.1	54.9	4.23	13.959		
1,300.0	1,289.5	1,290.8	1,271.4	3.3	4.0	-16.31	34.4	-188.2	67.9	63.3	4.62	14.700		
1,400.0	1,387.7	1,390.5	1,367.3	3.6	4.5	-16.20	39.6	-214.7	76.8	71.7	5.01	15.325		
1,500.0	1,486.0	1,490.1	1,463.2	4.0	5.0	-16.11	44.8	-241.3	85.6	80.2	5.40	15.858		
1,600.0	1,584.2	1,589.7	1,559.0	4.4	5.6	-16.04	50.1	-267.8	94.4	88.6	5.79	16.317		
1,700.0	1,682.4	1,689.3	1,654.9	4.7	6.1	-15.98	55.3	-294.4	103.3	97.1	6.18	16.718		
1,800.0	1,780.6	1,788.9	1,750.8	5.1	6.6	-15.93	60.5	-320.9	112.1	105.5	6.57	17.071		
1,900.0	1,878.9	1,888.5	1,846.6	5.5	7.1	-15.88	65.7	-347.5	120.9	114.0	6.96	17.383		
2,000.0	1,977.1	1,988.1	1,942.5	5.9	7.6	-15.84	71.0	-374.0	129.8	122.4	7.35	17.662		
2,100.0	2,075.3	2,087.7	2,038.3	6.2	8.1	-15.81	76.2	-400.6	138.6	130.9	7.74	17.912		
2,200.0	2,173.5	2,187.3	2,134.2	6.6	8.6	-15.78	81.4	-427.1	147.4	139.3	8.13	18.137		
2,300.0	2,271.7	2,286.9	2,230.1	7.0	9.2	-15.76	86.6	-453.7	156.3	147.7	8.52	18.342		
2,400.0	2,370.0	2,386.5	2,325.9	7.3	9.7	-15.74	91.8	-480.2	165.1	156.2	8.91	18.528		
2,500.0	2,468.2	2,486.2	2,421.8	7.7	10.2	-15.71	97.1	-506.8	173.9	164.6	9.30	18.699		
2,600.0	2,566.4	2,585.8	2,517.7	8.1	10.7	-15.70	102.3	-533.3	182.8	173.1	9.69	18.855		
2,700.0	2,664.6	2,685.4	2,613.5	8.5	11.2	-15.68	107.5	-559.9	191.6	181.5	10.08	19.000		
2,800.0	2,762.9	2,785.0	2,709.4	8.8	11.7	-15.66	112.7	-586.4	200.4	190.0	10.48	19.133		
2,900.0	2,861.1	2,884.6	2,805.2	9.2	12.3	-15.65	117.9	-613.0	209.3	198.4	10.87	19.257		
3,000.0	2,959.3	2,984.2	2,901.1	9.6	12.8	-15.64	123.2	-639.5	218.1	206.9	11.26	19.372		
3,100.0	3,057.5	3,083.8	2,997.0	10.0	13.3	-15.63	128.4	-666.1	226.9	215.3	11.65	19.479		
3,200.0	3,155.8	3,183.4	3,092.8	10.3	13.8	-15.61	133.6	-692.6	235.8	223.7	12.04	19.579		
3,300.0	3,254.0	3,283.0	3,188.7	10.7	14.3	-15.60	138.8	-719.2	244.6	232.2	12.43	19.673		
3,400.0	3,352.2	3,382.6	3,284.6	11.1	14.8	-15.60	144.1	-745.8	253.5	240.6	12.83	19.761		
3,500.0	3,450.4	3,482.2	3,380.4	11.5	15.4	-15.59	149.3	-772.3	262.3	249.1	13.22	19.843		
3,600.0	3,548.6	3,581.9	3,476.3	11.8	15.9	-15.58	154.5	-798.9	271.1	257.5	13.61	19.921		
3,700.0	3,646.9	3,681.5	3,572.2	12.2	16.4	-15.57	159.7	-825.4	280.0	266.0	14.00	19.995		
3,800.0	3,745.1	3,781.1	3,668.0	12.6	16.9	-15.56	164.9	-852.0	288.8	274.4	14.39	20.064		
3,900.0	3,843.3	3,880.7	3,763.9	13.0	17.4	-15.56	170.2	-878.5	297.6	282.8	14.79	20.130		
4,000.0	3,941.5	3,980.3	3,859.7	13.3	17.9	-15.55	175.4	-905.1	306.5	291.3	15.18	20.192		
4,100.0	4,039.8	4,079.9	3,955.6	13.7	18.5	-15.54	180.6	-931.6	315.3	299.7	15.57	20.251		
4,200.0	4,138.0	4,179.5	4,051.5	14.1	19.0	-15.54	185.8	-958.2	324.1	308.2	15.96	20.308		
4,300.0	4,236.2	4,279.1	4,147.3	14.5	19.5	-15.53	191.1	-984.7	333.0	316.6	16.35	20.361		
4,400.0	4,334.4	4,378.7	4,243.2	14.8	20.0	-15.53	196.3	-1,011.3	341.8	325.1	16.75	20.412		
4,500.0	4,432.6	4,478.3	4,339.1	15.2	20.5	-15.52	201.5	-1,037.8	350.6	333.5	17.14	20.461		
4,600.0	4,530.9	4,577.9	4,434.9	15.6	21.1	-15.52	206.7	-1,064.4	359.5	341.9	17.53	20.507		
4,700.0	4,629.1	4,677.6	4,530.8	16.0	21.6	-15.51	211.9	-1,090.9	368.3	350.4	17.92	20.551		
4,800.0	4,727.3	4,777.2	4,626.6	16.3	22.1	-15.51	217.2	-1,117.5	377.1	358.8	18.31	20.594		
4,900.0	4,825.5	4,876.8	4,722.5	16.7	22.6	-15.51	222.4	-1,144.0	386.0	367.3	18.71	20.635		
5,000.0	4,923.8	4,976.4	4,818.4	17.1	23.1	-15.50	227.6	-1,170.6	394.8	375.7	19.10	20.674		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2B-32H-C264 - 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		
5,100.0	5,022.0	5,076.0	4,914.2	17.5	23.6	-15.50	232.8	-1,197.1	403.7	384.2	19.49	20.711		
5,200.0	5,120.2	5,175.6	5,010.1	17.8	24.2	-15.49	238.0	-1,223.7	412.5	392.6	19.88	20.747		
5,300.0	5,218.4	5,275.2	5,106.0	18.2	24.7	-15.49	243.3	-1,250.2	421.3	401.0	20.27	20.781		
5,400.0	5,316.7	5,374.8	5,201.8	18.6	25.2	-15.49	248.5	-1,276.8	430.2	409.5	20.67	20.815		
5,500.0	5,414.9	5,488.4	5,311.5	19.0	25.7	-15.52	254.2	-1,305.6	437.7	416.6	21.09	20.754		
5,600.0	5,513.2	5,606.0	5,426.3	19.3	26.2	-15.66	259.2	-1,331.1	441.8	420.3	21.54	20.514		
5,700.0	5,612.0	5,723.9	5,542.2	19.6	26.6	-15.79	263.3	-1,351.9	444.9	422.9	21.95	20.267		
5,800.0	5,711.3	5,841.9	5,659.1	19.9	26.9	-15.89	266.4	-1,368.0	447.2	424.9	22.33	20.029		
5,900.0	5,810.9	5,960.0	5,776.6	20.1	27.1	-15.96	268.7	-1,379.4	448.9	426.2	22.67	19.800		
6,000.0	5,910.8	6,078.2	5,894.6	20.2	27.3	-16.00	270.0	-1,386.1	449.8	426.9	22.98	19.577		
6,100.0	6,010.8	6,194.5	6,010.8	20.3	27.4	-89.95	270.4	-1,388.0	450.1	426.8	23.26	19.352		
6,200.0	6,110.8	6,294.5	6,110.8	20.4	27.5	-89.95	270.4	-1,388.0	450.1	426.5	23.58	19.089		
6,300.0	6,210.8	6,394.5	6,210.8	20.5	27.5	-89.95	270.4	-1,388.0	450.1	426.2	23.90	18.832		
6,400.0	6,310.8	6,494.5	6,310.8	20.6	27.6	-89.95	270.4	-1,388.0	450.1	425.9	24.22	18.581		
6,471.1	6,381.9	6,565.6	6,381.9	20.6	27.6	-89.95	270.4	-1,388.0	450.1	425.7	24.45	18.407		
6,500.0	6,410.8	6,594.5	6,410.8	20.7	27.7	-90.05	269.6	-1,388.0	450.1	425.5	24.56	18.325		
6,600.0	6,510.8	6,692.7	6,507.9	20.7	27.7	88.38	256.1	-1,388.0	450.3	425.1	25.20	17.867		
6,700.0	6,609.5	6,788.1	6,598.8	20.8	27.7	86.48	227.4	-1,388.0	451.0	425.3	25.71	17.539		
6,800.0	6,704.0	6,881.4	6,681.8	20.7	27.6	84.70	185.1	-1,388.0	452.1	426.2	25.92	17.444		
6,900.0	6,791.4	6,972.8	6,755.5	20.7	27.6	83.08	131.1	-1,388.0	453.5	427.6	25.82	17.559		
7,000.0	6,869.2	7,062.6	6,818.6	20.7	27.6	81.68	67.3	-1,388.0	455.0	429.4	25.54	17.811		
7,100.0	6,934.8	7,150.0	6,869.7	20.7	27.7	80.52	-3.5	-1,388.0	456.4	431.1	25.29	18.049		
7,200.0	6,986.5	7,238.8	6,910.0	20.8	27.8	79.60	-82.5	-1,388.0	457.7	432.3	25.33	18.065		
7,300.0	7,022.5	7,325.7	6,937.2	21.1	27.9	78.97	-164.9	-1,388.0	458.6	432.7	25.94	17.682		
7,400.0	7,041.7	7,412.2	6,951.6	21.5	28.2	78.63	-250.1	-1,388.0	459.1	431.9	27.25	16.848		
7,500.0	7,045.0	7,503.9	6,954.0	22.0	28.6	78.57	-341.7	-1,388.0	459.2	430.1	29.08	15.794		
7,600.0	7,045.0	7,603.9	6,954.0	22.7	29.0	78.57	-441.7	-1,388.0	459.2	428.2	31.01	14.811		
7,700.0	7,045.0	7,703.9	6,954.0	23.4	29.6	78.57	-541.7	-1,388.0	459.2	426.0	33.18	13.841		
7,800.0	7,045.0	7,803.9	6,954.0	24.3	30.3	78.57	-641.7	-1,388.0	459.2	423.7	35.55	12.916		
7,900.0	7,045.0	7,903.9	6,954.0	25.3	31.1	78.57	-741.7	-1,388.0	459.2	421.1	38.09	12.056		
8,000.0	7,045.0	8,003.9	6,954.0	26.3	31.9	78.57	-841.7	-1,388.0	459.2	418.5	40.76	11.266		
8,100.0	7,045.0	8,103.9	6,954.0	27.4	32.8	78.57	-941.7	-1,388.0	459.2	415.7	43.54	10.547		
8,200.0	7,045.0	8,203.9	6,954.0	28.6	33.8	78.57	-1,041.7	-1,388.0	459.2	412.8	46.41	9.896		
8,300.0	7,045.0	8,303.9	6,954.0	29.9	34.8	78.57	-1,141.7	-1,388.0	459.2	409.9	49.35	9.306		
8,400.0	7,045.0	8,403.9	6,954.0	31.2	35.9	78.57	-1,241.7	-1,388.0	459.2	406.9	52.35	8.773		
8,500.0	7,045.0	8,503.9	6,954.0	32.5	37.1	78.57	-1,341.7	-1,388.0	459.2	403.8	55.40	8.289		
8,600.0	7,045.0	8,603.9	6,954.0	33.9	38.3	78.57	-1,441.7	-1,388.0	459.2	400.7	58.49	7.851		
8,700.0	7,045.0	8,703.9	6,954.0	35.3	39.5	78.57	-1,541.7	-1,388.0	459.2	397.6	61.63	7.452		
8,800.0	7,045.0	8,803.9	6,954.0	36.7	40.8	78.57	-1,641.7	-1,388.0	459.2	394.5	64.79	7.088		
8,900.0	7,045.0	8,903.9	6,954.0	38.2	42.1	78.57	-1,741.7	-1,388.0	459.2	391.3	67.98	6.756		
9,000.0	7,045.0	9,003.9	6,954.0	39.7	43.5	78.57	-1,841.7	-1,388.0	459.2	388.1	71.19	6.451		
9,100.0	7,045.0	9,103.9	6,954.0	41.2	44.8	78.57	-1,941.7	-1,388.0	459.2	384.8	74.42	6.171		
9,200.0	7,045.0	9,203.9	6,954.0	42.7	46.2	78.57	-2,041.7	-1,388.0	459.2	381.6	77.68	5.912		
9,300.0	7,045.0	9,303.9	6,954.0	44.3	47.7	78.57	-2,141.7	-1,388.0	459.2	378.3	80.94	5.674		
9,400.0	7,045.0	9,403.9	6,954.0	45.8	49.1	78.57	-2,241.7	-1,388.0	459.3	375.0	84.22	5.453		
9,500.0	7,045.0	9,503.9	6,954.0	47.4	50.6	78.57	-2,341.7	-1,388.0	459.3	371.7	87.51	5.248		
9,600.0	7,045.0	9,603.9	6,954.0	49.0	52.1	78.57	-2,441.7	-1,388.0	459.3	368.4	90.82	5.057		
9,700.0	7,045.0	9,703.9	6,954.0	50.6	53.6	78.57	-2,541.7	-1,388.0	459.3	365.1	94.13	4.879		
9,800.0	7,045.0	9,803.9	6,954.0	52.2	55.1	78.57	-2,641.7	-1,388.0	459.3	361.8	97.45	4.713		
9,900.0	7,045.0	9,903.9	6,954.0	53.8	56.6	78.57	-2,741.7	-1,388.0	459.3	358.5	100.78	4.557		
10,000.0	7,045.0	10,003.9	6,954.0	55.4	58.2	78.57	-2,841.7	-1,388.0	459.3	355.1	104.12	4.411		
10,100.0	7,045.0	10,103.9	6,954.0	57.1	59.7	78.57	-2,941.7	-1,388.0	459.3	351.8	107.46	4.274		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2B-32H-C264 - 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
10,200.0	7,045.0	10,203.9	6,954.0	58.7	61.3	78.57	-3,041.7	-1,388.0	459.3	348.5	110.81	4.145	
10,300.0	7,045.0	10,303.9	6,954.0	60.4	62.9	78.57	-3,141.7	-1,388.0	459.3	345.1	114.17	4.023	
10,400.0	7,045.0	10,403.9	6,954.0	62.0	64.5	78.57	-3,241.7	-1,388.0	459.3	341.7	117.53	3.908	
10,500.0	7,045.0	10,503.9	6,954.0	63.7	66.0	78.57	-3,341.7	-1,388.0	459.3	338.4	120.89	3.799	
10,600.0	7,045.0	10,603.9	6,954.0	65.3	67.7	78.57	-3,441.7	-1,388.0	459.3	335.0	124.26	3.696	
10,700.0	7,045.0	10,703.9	6,954.0	67.0	69.3	78.57	-3,541.7	-1,388.0	459.3	331.6	127.63	3.598	
10,800.0	7,045.0	10,803.9	6,954.0	68.7	70.9	78.57	-3,641.7	-1,388.0	459.3	328.3	131.01	3.506	
10,900.0	7,045.0	10,903.9	6,954.0	70.3	72.5	78.57	-3,741.7	-1,388.0	459.3	324.9	134.38	3.418	
11,000.0	7,045.0	11,003.9	6,954.0	72.0	74.1	78.57	-3,841.7	-1,388.0	459.3	321.5	137.77	3.334	
11,100.0	7,045.0	11,103.9	6,954.0	73.7	75.8	78.57	-3,941.7	-1,388.0	459.3	318.1	141.15	3.254	
11,200.0	7,045.0	11,203.9	6,954.0	75.4	77.4	78.57	-4,041.7	-1,388.0	459.3	314.7	144.54	3.178	
11,300.0	7,045.0	11,303.9	6,954.0	77.1	79.1	78.57	-4,141.7	-1,388.0	459.3	311.4	147.93	3.105	
11,400.0	7,045.0	11,403.9	6,954.0	78.8	80.7	78.57	-4,241.7	-1,388.0	459.3	308.0	151.32	3.035	
11,500.0	7,045.0	11,503.9	6,954.0	80.5	82.4	78.57	-4,341.7	-1,388.0	459.3	304.6	154.71	2.969	
11,600.0	7,045.0	11,603.9	6,954.0	82.2	84.0	78.57	-4,441.7	-1,388.0	459.3	301.2	158.11	2.905	
11,700.0	7,045.0	11,703.9	6,954.0	83.9	85.7	78.57	-4,541.7	-1,388.0	459.3	297.8	161.51	2.844	
11,700.0	7,045.0	11,703.9	6,954.0	83.9	85.7	78.57	-4,541.8	-1,388.0	459.3	297.8	161.51	2.844	
11,707.0	7,045.0	11,708.3	6,954.0	84.0	85.8	78.57	-4,546.1	-1,388.0	459.3	297.6	161.70	2.840 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2C-32H-C264 - 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		
0.0	0.0	0.0	0.0	0.0	0.0	-89.90	0.0	-7.6	7.6					
100.0	100.0	100.0	100.0	0.1	0.1	-89.90	0.0	-7.6	7.6	7.3	0.24	30.911		
200.0	200.0	200.0	200.0	0.3	0.3	-89.90	0.0	-7.6	7.6	7.0	0.59	12.728		
300.0	300.0	300.0	300.0	0.5	0.5	-89.90	0.0	-7.6	7.6	6.6	0.94	8.014	CC, ES	
400.0	400.0	399.7	399.7	0.6	0.6	-14.17	0.4	-9.2	8.8	7.5	1.29	6.841		
500.0	499.9	499.4	499.2	0.8	0.8	-13.22	1.6	-14.3	10.6	8.9	1.64	6.445		
600.0	599.7	599.0	598.4	1.0	1.1	-13.31	3.6	-22.7	12.3	10.3	1.99	6.196		
700.0	699.1	698.5	697.2	1.3	1.3	-14.07	6.4	-34.5	14.1	11.8	2.34	6.021		
800.0	798.2	798.0	795.5	1.5	1.6	-15.25	9.9	-49.6	15.9	13.2	2.70	5.883		
900.0	896.6	897.4	893.1	1.9	2.0	-16.72	14.3	-68.0	17.8	14.7	3.08	5.760		
1,000.0	994.9	996.9	990.2	2.2	2.4	-16.86	19.3	-89.4	21.3	17.9	3.47	6.147		
1,100.0	1,093.1	1,096.9	1,087.4	2.6	2.8	-16.62	24.5	-111.5	25.5	21.7	3.85	6.617		
1,200.0	1,191.3	1,196.8	1,184.7	2.9	3.2	-16.45	29.7	-133.6	29.7	25.4	4.24	6.999		
1,300.0	1,289.5	1,296.7	1,282.0	3.3	3.6	-16.32	34.9	-155.7	33.9	29.2	4.63	7.316		
1,400.0	1,387.7	1,396.6	1,379.3	3.6	4.1	-16.22	40.2	-177.9	38.0	33.0	5.02	7.582		
1,500.0	1,486.0	1,496.5	1,476.6	4.0	4.5	-16.13	45.4	-200.0	42.2	36.8	5.41	7.810		
1,600.0	1,584.2	1,596.4	1,573.9	4.4	4.9	-16.07	50.6	-222.1	46.4	40.6	5.80	8.006		
1,700.0	1,682.4	1,696.3	1,671.2	4.7	5.4	-16.01	55.8	-244.2	50.6	44.4	6.19	8.177		
1,800.0	1,780.6	1,796.2	1,768.5	5.1	5.8	-15.96	61.0	-266.3	54.8	48.2	6.58	8.327		
1,900.0	1,878.9	1,896.2	1,865.8	5.5	6.2	-15.92	66.2	-288.4	59.0	52.0	6.97	8.460		
2,000.0	1,977.1	1,996.1	1,963.1	5.9	6.7	-15.89	71.4	-310.5	63.1	55.8	7.36	8.579		
2,100.0	2,075.3	2,096.0	2,060.4	6.2	7.1	-15.86	76.6	-332.7	67.3	59.6	7.75	8.685		
2,200.0	2,173.5	2,195.9	2,157.7	6.6	7.6	-15.83	81.9	-354.8	71.5	63.4	8.14	8.781		
2,300.0	2,271.7	2,295.8	2,255.0	7.0	8.0	-15.81	87.1	-376.9	75.7	67.1	8.53	8.868		
2,400.0	2,370.0	2,395.7	2,352.3	7.3	8.4	-15.78	92.3	-399.0	79.9	70.9	8.92	8.948		
2,500.0	2,468.2	2,495.6	2,449.6	7.7	8.9	-15.76	97.5	-421.1	84.0	74.7	9.32	9.020		
2,600.0	2,566.4	2,595.5	2,546.9	8.1	9.3	-15.75	102.7	-443.2	88.2	78.5	9.71	9.087		
2,700.0	2,664.6	2,695.5	2,644.2	8.5	9.8	-15.73	107.9	-465.3	92.4	82.3	10.10	9.148		
2,800.0	2,762.9	2,795.4	2,741.5	8.8	10.2	-15.72	113.1	-487.4	96.6	86.1	10.49	9.205		
2,900.0	2,861.1	2,895.3	2,838.8	9.2	10.6	-15.70	118.3	-509.6	100.8	89.9	10.88	9.258		
3,000.0	2,959.3	2,995.2	2,936.1	9.6	11.1	-15.69	123.6	-531.7	104.9	93.7	11.28	9.307		
3,100.0	3,057.5	3,095.1	3,033.3	10.0	11.5	-15.68	128.8	-553.8	109.1	97.5	11.67	9.352		
3,200.0	3,155.8	3,195.0	3,130.6	10.3	12.0	-15.67	134.0	-575.9	113.3	101.2	12.06	9.395		
3,300.0	3,254.0	3,294.9	3,227.9	10.7	12.4	-15.66	139.2	-598.0	117.5	105.0	12.45	9.435		
3,400.0	3,352.2	3,394.8	3,325.2	11.1	12.8	-15.65	144.4	-620.1	121.7	108.8	12.84	9.472		
3,500.0	3,450.4	3,494.8	3,422.5	11.5	13.3	-15.64	149.6	-642.2	125.8	112.6	13.24	9.507		
3,600.0	3,548.6	3,594.7	3,519.8	11.8	13.7	-15.63	154.8	-664.4	130.0	116.4	13.63	9.540		
3,700.0	3,646.9	3,694.6	3,617.1	12.2	14.2	-15.62	160.0	-686.5	134.2	120.2	14.02	9.572		
3,800.0	3,745.1	3,794.5	3,714.4	12.6	14.6	-15.62	165.2	-708.6	138.4	124.0	14.41	9.601		
3,900.0	3,843.3	3,894.4	3,811.7	13.0	15.1	-15.61	170.5	-730.7	142.6	127.8	14.81	9.629		
4,000.0	3,941.5	3,994.3	3,909.0	13.3	15.5	-15.60	175.7	-752.8	146.8	131.6	15.20	9.656		
4,100.0	4,039.8	4,094.2	4,006.3	13.7	15.9	-15.60	180.9	-774.9	150.9	135.3	15.59	9.681		
4,200.0	4,138.0	4,194.1	4,103.6	14.1	16.4	-15.59	186.1	-797.0	155.1	139.1	15.98	9.705		
4,300.0	4,236.2	4,294.1	4,200.9	14.5	16.8	-15.59	191.3	-819.2	159.3	142.9	16.38	9.727		
4,400.0	4,334.4	4,394.0	4,298.2	14.8	17.3	-15.58	196.5	-841.3	163.5	146.7	16.77	9.749		
4,500.0	4,432.6	4,493.9	4,395.5	15.2	17.7	-15.58	201.7	-863.4	167.7	150.5	17.16	9.770		
4,600.0	4,530.9	4,593.8	4,492.8	15.6	18.1	-15.57	206.9	-885.5	171.8	154.3	17.55	9.789		
4,700.0	4,629.1	4,693.7	4,590.1	16.0	18.6	-15.57	212.2	-907.6	176.0	158.1	17.95	9.808		
4,800.0	4,727.3	4,793.6	4,687.4	16.3	19.0	-15.56	217.4	-929.7	180.2	161.9	18.34	9.826		
4,900.0	4,825.5	4,893.5	4,784.7	16.7	19.5	-15.56	222.6	-951.8	184.4	165.7	18.73	9.844		
5,000.0	4,923.8	4,993.4	4,882.0	17.1	19.9	-15.56	227.8	-974.0	188.6	169.4	19.12	9.860		
5,100.0	5,022.0	5,093.4	4,979.2	17.5	20.3	-15.55	233.0	-996.1	192.7	173.2	19.52	9.876		

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



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2C-32H-C264 - 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							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
5,200.0	5,120.2	5,193.3	5,076.5	17.8	20.8	-15.55	238.2	-1,018.2	196.9	177.0	19.91	9.891		
5,300.0	5,218.4	5,293.2	5,173.8	18.2	21.2	-15.55	243.4	-1,040.3	201.1	180.8	20.30	9.906		
5,400.0	5,316.7	5,393.1	5,271.1	18.6	21.7	-15.54	248.6	-1,062.4	205.3	184.6	20.69	9.920		
5,500.0	5,414.9	5,494.6	5,370.0	19.0	22.1	-15.55	253.9	-1,084.8	209.4	188.3	21.09	9.928		
5,600.0	5,513.2	5,602.3	5,475.4	19.3	22.5	-15.68	258.9	-1,105.9	211.4	189.9	21.52	9.824		
5,700.0	5,612.0	5,710.0	5,581.7	19.6	22.8	-15.82	263.0	-1,123.2	212.8	190.9	21.93	9.705		
5,800.0	5,711.3	5,817.8	5,688.7	19.9	23.1	-15.93	266.1	-1,136.5	213.9	191.6	22.30	9.591		
5,900.0	5,810.9	5,925.7	5,796.1	20.1	23.3	-16.00	268.3	-1,146.0	214.6	192.0	22.63	9.483		
6,000.0	5,910.8	6,033.6	5,903.8	20.2	23.5	-16.04	269.6	-1,151.5	215.0	192.1	22.93	9.378		
6,100.0	6,010.8	6,140.6	6,010.8	20.3	23.6	-90.00	270.0	-1,153.1	215.2	192.0	23.20	9.273		
6,200.0	6,110.8	6,240.6	6,110.8	20.4	23.6	-90.00	270.0	-1,153.1	215.2	191.6	23.52	9.147		
6,300.0	6,210.8	6,340.6	6,210.8	20.5	23.7	-90.00	270.0	-1,153.1	215.2	191.3	23.84	9.024		
6,400.0	6,310.8	6,440.6	6,310.8	20.6	23.8	-90.00	270.0	-1,153.1	215.2	191.0	24.17	8.903		
6,500.0	6,410.8	6,540.6	6,410.8	20.7	23.9	-90.00	270.0	-1,153.1	215.2	190.7	24.49	8.786		
6,553.0	6,463.8	6,593.6	6,463.8	20.7	23.9	90.26	270.0	-1,153.1	215.2	190.6	24.59	8.751		
6,600.0	6,510.8	6,640.6	6,510.8	20.7	24.0	90.35	270.0	-1,153.1	215.2	190.5	24.71	8.708		
6,700.0	6,609.5	6,739.5	6,609.7	20.8	24.0	94.32	270.0	-1,153.1	215.8	191.7	24.07	8.967		
6,800.0	6,704.0	6,841.9	6,711.5	20.7	24.1	100.08	259.5	-1,153.1	218.7	195.2	23.47	9.317		
6,900.0	6,791.4	6,948.9	6,814.0	20.7	24.1	105.48	229.4	-1,153.1	223.6	200.2	23.46	9.532		
7,000.0	6,869.2	7,060.8	6,913.2	20.7	24.0	110.31	178.2	-1,153.1	229.9	206.2	23.78	9.669		
7,100.0	6,934.8	7,177.6	7,004.2	20.7	24.0	114.38	105.2	-1,153.1	236.7	212.6	24.13	9.812		
7,200.0	6,986.5	7,299.1	7,081.1	20.8	24.1	117.56	11.4	-1,153.1	243.1	218.8	24.33	9.993		
7,300.0	7,022.5	7,424.6	7,137.9	21.1	24.2	119.76	-100.2	-1,153.0	248.0	223.6	24.43	10.152		
7,400.0	7,041.7	7,552.7	7,169.5	21.5	24.6	120.94	-224.1	-1,153.0	250.9	226.3	24.61	10.194		
7,500.0	7,045.0	7,670.6	7,175.0	22.0	25.2	121.14	-341.7	-1,153.0	251.4	225.9	25.46	9.872		
7,600.0	7,045.0	7,770.6	7,175.0	22.7	25.7	121.14	-441.7	-1,153.0	251.4	224.2	27.23	9.233		
7,700.0	7,045.0	7,870.6	7,175.0	23.4	26.4	121.14	-541.7	-1,153.0	251.4	222.2	29.19	8.612		
7,800.0	7,045.0	7,970.6	7,175.0	24.3	27.2	121.14	-641.7	-1,153.0	251.4	220.1	31.32	8.027		
7,900.0	7,045.0	8,070.6	7,175.0	25.3	28.0	121.14	-741.7	-1,153.0	251.4	217.8	33.58	7.486		
8,000.0	7,045.0	8,170.6	7,175.0	26.3	29.0	121.14	-841.7	-1,153.0	251.4	215.4	35.95	6.992		
8,100.0	7,045.0	8,270.6	7,175.0	27.4	30.0	121.14	-941.7	-1,153.0	251.4	213.0	38.42	6.544		
8,200.0	7,045.0	8,370.6	7,175.0	28.6	31.1	121.14	-1,041.7	-1,153.0	251.4	210.4	40.95	6.138		
8,300.0	7,045.0	8,470.6	7,175.0	29.9	32.2	121.14	-1,141.7	-1,153.0	251.4	207.8	43.55	5.772		
8,400.0	7,045.0	8,570.6	7,175.0	31.2	33.4	121.14	-1,241.7	-1,153.0	251.4	205.2	46.19	5.442		
8,500.0	7,045.0	8,670.6	7,175.0	32.5	34.6	121.14	-1,341.7	-1,153.0	251.4	202.5	48.88	5.142		
8,600.0	7,045.0	8,770.6	7,175.0	33.9	35.9	121.14	-1,441.7	-1,153.0	251.4	199.8	51.61	4.871		
8,700.0	7,045.0	8,870.6	7,175.0	35.3	37.3	121.14	-1,541.7	-1,153.0	251.4	197.0	54.36	4.624		
8,800.0	7,045.0	8,970.6	7,175.0	36.7	38.6	121.14	-1,641.7	-1,153.0	251.4	194.2	57.14	4.399		
8,900.0	7,045.0	9,070.6	7,175.0	38.2	40.0	121.14	-1,741.7	-1,153.0	251.4	191.4	59.94	4.194		
9,000.0	7,045.0	9,170.6	7,175.0	39.7	41.4	121.14	-1,841.7	-1,153.0	251.4	188.6	62.76	4.005		
9,100.0	7,045.0	9,270.6	7,175.0	41.2	42.9	121.14	-1,941.7	-1,153.0	251.4	185.8	65.60	3.832		
9,200.0	7,045.0	9,370.6	7,175.0	42.7	44.4	121.14	-2,041.7	-1,153.0	251.4	182.9	68.46	3.672		
9,300.0	7,045.0	9,470.6	7,175.0	44.3	45.8	121.14	-2,141.7	-1,153.0	251.4	180.1	71.32	3.525		
9,400.0	7,045.0	9,570.6	7,175.0	45.8	47.4	121.14	-2,241.7	-1,153.0	251.4	177.2	74.20	3.388		
9,500.0	7,045.0	9,670.6	7,175.0	47.4	48.9	121.14	-2,341.7	-1,153.0	251.4	174.3	77.08	3.261		
9,600.0	7,045.0	9,770.6	7,175.0	49.0	50.4	121.14	-2,441.7	-1,153.0	251.4	171.4	79.98	3.143		
9,700.0	7,045.0	9,870.6	7,175.0	50.6	52.0	121.14	-2,541.7	-1,153.0	251.4	168.5	82.88	3.033		
9,800.0	7,045.0	9,970.6	7,175.0	52.2	53.5	121.14	-2,641.7	-1,153.0	251.4	165.6	85.80	2.930		
9,900.0	7,045.0	10,070.6	7,175.0	53.8	55.1	121.14	-2,741.7	-1,153.0	251.4	162.7	88.71	2.834		
10,000.0	7,045.0	10,170.6	7,175.0	55.4	56.7	121.14	-2,841.7	-1,153.0	251.4	159.7	91.64	2.743		
10,100.0	7,045.0	10,270.6	7,175.0	57.1	58.3	121.14	-2,941.7	-1,153.0	251.4	156.8	94.57	2.658		
10,200.0	7,045.0	10,370.6	7,175.0	58.7	59.9	121.14	-3,041.7	-1,153.0	251.4	153.9	97.50	2.578		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2C-32H-C264 - 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		
10,300.0	7,045.0	10,470.6	7,175.0	60.4	61.5	121.14	-3,141.7	-1,153.0	251.4	150.9	100.44	2.503		
10,400.0	7,045.0	10,570.6	7,175.0	62.0	63.2	121.14	-3,241.7	-1,153.0	251.4	148.0	103.38	2.432		
10,500.0	7,045.0	10,670.6	7,175.0	63.7	64.8	121.14	-3,341.7	-1,153.0	251.4	145.1	106.33	2.364		
10,600.0	7,045.0	10,770.6	7,175.0	65.3	66.4	121.14	-3,441.7	-1,153.0	251.4	142.1	109.28	2.300		
10,700.0	7,045.0	10,870.6	7,175.0	67.0	68.1	121.14	-3,541.7	-1,153.0	251.4	139.1	112.23	2.240		
10,800.0	7,045.0	10,970.6	7,175.0	68.7	69.7	121.14	-3,641.7	-1,153.0	251.4	136.2	115.19	2.182		
10,900.0	7,045.0	11,070.6	7,175.0	70.3	71.4	121.14	-3,741.7	-1,153.0	251.4	133.2	118.15	2.128		
11,000.0	7,045.0	11,170.6	7,175.0	72.0	73.0	121.14	-3,841.7	-1,153.0	251.4	130.3	121.11	2.076		
11,100.0	7,045.0	11,270.6	7,175.0	73.7	74.7	121.14	-3,941.7	-1,153.0	251.4	127.3	124.07	2.026		
11,200.0	7,045.0	11,370.6	7,175.0	75.4	76.3	121.14	-4,041.7	-1,153.0	251.4	124.3	127.04	1.979		
11,300.0	7,045.0	11,470.6	7,175.0	77.1	78.0	121.14	-4,141.7	-1,153.0	251.4	121.4	130.00	1.934		
11,400.0	7,045.0	11,570.6	7,175.0	78.8	79.7	121.14	-4,241.7	-1,153.0	251.4	118.4	132.97	1.890		
11,500.0	7,045.0	11,670.6	7,175.0	80.5	81.4	121.14	-4,341.7	-1,153.0	251.4	115.4	135.94	1.849		
11,600.0	7,045.0	11,770.6	7,175.0	82.2	83.0	121.14	-4,441.7	-1,153.0	251.4	112.5	138.92	1.810		
11,700.0	7,045.0	11,870.6	7,175.0	83.9	84.7	121.14	-4,541.7	-1,153.0	251.4	109.5	141.89	1.772		
11,700.0	7,045.0	11,870.6	7,175.0	83.9	84.7	121.14	-4,541.7	-1,153.0	251.4	109.5	141.89	1.772		
11,707.0	7,045.0	11,876.5	7,175.0	84.0	84.8	121.14	-4,547.6	-1,153.0	251.4	109.3	142.08	1.769 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2E-32H-C264 - 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		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	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	90.10	0.0	7.6	7.6						
100.0	100.0	100.0	100.0	0.1	0.1	90.10	0.0	7.6	7.6	7.3	0.24	30.911			
200.0	200.0	200.0	200.0	0.3	0.3	90.10	0.0	7.6	7.6	7.0	0.59	12.728			
300.0	300.0	300.0	300.0	0.5	0.5	90.10	0.0	7.6	7.6	6.6	0.94	8.014 CC			
327.9	327.9	327.9	327.9	0.5	0.5	164.18	0.0	7.6	7.6	6.6	1.04	7.326 ES			
400.0	400.0	400.0	400.0	0.6	0.6	164.90	0.0	7.6	8.0	6.7	1.29	6.174			
500.0	499.9	500.1	500.1	0.8	0.8	168.24	0.3	6.7	10.5	8.9	1.64	6.426			
600.0	599.7	600.2	600.2	1.0	1.0	170.89	1.2	4.3	14.9	12.9	1.99	7.483			
700.0	699.1	700.3	700.2	1.3	1.2	172.60	2.7	0.2	21.0	18.6	2.33	8.987			
800.0	798.2	800.5	800.1	1.5	1.4	173.66	4.9	-5.5	28.8	26.2	2.68	10.765			
900.0	896.6	900.6	899.9	1.9	1.6	174.32	7.7	-12.9	38.4	35.4	3.02	12.715			
1,000.0	994.9	1,000.9	999.8	2.2	1.8	174.53	11.0	-21.9	47.7	44.4	3.38	14.141			
1,100.0	1,093.1	1,101.5	1,099.7	2.6	2.1	174.36	15.0	-32.6	55.3	51.6	3.73	14.825			
1,200.0	1,191.3	1,202.3	1,199.7	2.9	2.3	173.93	19.7	-45.0	61.2	57.1	4.09	14.955			
1,300.0	1,289.5	1,303.3	1,299.6	3.3	2.6	173.29	24.9	-59.0	65.3	60.9	4.46	14.661			
1,400.0	1,387.7	1,403.7	1,398.6	3.6	2.9	172.49	30.6	-74.2	68.2	63.3	4.83	14.120			
1,500.0	1,486.0	1,503.6	1,497.2	4.0	3.2	171.74	36.3	-89.4	70.9	65.7	5.20	13.630			
1,600.0	1,584.2	1,603.6	1,595.9	4.4	3.5	171.05	42.1	-104.7	73.6	68.0	5.58	13.198			
1,700.0	1,682.4	1,703.5	1,694.5	4.7	3.9	170.40	47.8	-119.9	76.3	70.4	5.96	12.814			
1,800.0	1,780.6	1,803.5	1,793.1	5.1	4.2	169.81	53.5	-135.2	79.1	72.7	6.34	12.470			
1,900.0	1,878.9	1,903.5	1,891.7	5.5	4.5	169.25	59.2	-150.4	81.8	75.1	6.73	12.160			
2,000.0	1,977.1	2,003.4	1,990.3	5.9	4.8	168.72	64.9	-165.7	84.6	77.5	7.12	11.879			
2,100.0	2,075.3	2,103.4	2,089.0	6.2	5.2	168.23	70.6	-180.9	87.4	79.9	7.52	11.623			
2,200.0	2,173.5	2,203.3	2,187.6	6.6	5.5	167.77	76.3	-196.2	90.2	82.2	7.92	11.388			
2,300.0	2,271.7	2,303.3	2,286.2	7.0	5.8	167.34	82.0	-211.4	92.9	84.6	8.32	11.173			
2,400.0	2,370.0	2,403.3	2,384.8	7.3	6.2	166.94	87.8	-226.7	95.7	87.0	8.72	10.975			
2,500.0	2,468.2	2,503.2	2,483.5	7.7	6.5	166.55	93.5	-241.9	98.5	89.4	9.13	10.792			
2,600.0	2,566.4	2,603.2	2,582.1	8.1	6.8	166.19	99.2	-257.2	101.3	91.8	9.54	10.622			
2,700.0	2,664.6	2,703.1	2,680.7	8.5	7.1	165.85	104.9	-272.4	104.1	94.2	9.95	10.464			
2,800.0	2,762.9	2,803.1	2,779.3	8.8	7.5	165.52	110.6	-287.7	106.9	96.6	10.36	10.316			
2,900.0	2,861.1	2,903.1	2,878.0	9.2	7.8	165.21	116.3	-302.9	109.7	98.9	10.78	10.179			
3,000.0	2,959.3	3,003.0	2,976.6	9.6	8.1	164.92	122.0	-318.2	112.5	101.3	11.20	10.050			
3,100.0	3,057.5	3,103.0	3,075.2	10.0	8.5	164.64	127.8	-333.4	115.3	103.7	11.62	9.929			
3,200.0	3,155.8	3,202.9	3,173.8	10.3	8.8	164.38	133.5	-348.7	118.2	106.1	12.04	9.815			
3,300.0	3,254.0	3,302.9	3,272.5	10.7	9.1	164.12	139.2	-363.9	121.0	108.5	12.46	9.708			
3,400.0	3,352.2	3,402.8	3,371.1	11.1	9.5	163.88	144.9	-379.1	123.8	110.9	12.89	9.607			
3,500.0	3,450.4	3,502.8	3,469.7	11.5	9.8	163.65	150.6	-394.4	126.6	113.3	13.31	9.512			
3,600.0	3,548.6	3,602.8	3,568.3	11.8	10.1	163.43	156.3	-409.6	129.4	115.7	13.74	9.422			
3,700.0	3,646.9	3,702.7	3,667.0	12.2	10.5	163.22	162.0	-424.9	132.3	118.1	14.17	9.336			
3,800.0	3,745.1	3,802.7	3,765.6	12.6	10.8	163.01	167.8	-440.1	135.1	120.5	14.60	9.255			
3,900.0	3,843.3	3,902.6	3,864.2	13.0	11.1	162.82	173.5	-455.4	137.9	122.9	15.03	9.178			
4,000.0	3,941.5	4,002.6	3,962.8	13.3	11.5	162.63	179.2	-470.6	140.7	125.3	15.46	9.105			
4,100.0	4,039.8	4,102.6	4,061.4	13.7	11.8	162.46	184.9	-485.9	143.6	127.7	15.89	9.035			
4,200.0	4,138.0	4,202.5	4,160.1	14.1	12.1	162.28	190.6	-501.1	146.4	130.1	16.32	8.969			
4,300.0	4,236.2	4,302.5	4,258.7	14.5	12.5	162.12	196.3	-516.4	149.2	132.5	16.76	8.905			
4,400.0	4,334.4	4,402.4	4,357.3	14.8	12.8	161.96	202.0	-531.6	152.1	134.9	17.19	8.845			
4,500.0	4,432.6	4,502.4	4,455.9	15.2	13.2	161.80	207.8	-546.9	154.9	137.3	17.63	8.787			
4,600.0	4,530.9	4,602.4	4,554.6	15.6	13.5	161.66	213.5	-562.1	157.8	139.7	18.07	8.731			
4,700.0	4,629.1	4,702.3	4,653.2	16.0	13.8	161.51	219.2	-577.4	160.6	142.1	18.51	8.678			
4,800.0	4,727.3	4,802.3	4,751.8	16.3	14.2	161.38	224.9	-592.6	163.4	144.5	18.94	8.627			
4,900.0	4,825.5	4,902.2	4,850.4	16.7	14.5	161.24	230.6	-607.9	166.3	146.9	19.38	8.579			
5,000.0	4,923.8	5,002.2	4,949.1	17.1	14.8	161.11	236.3	-623.1	169.1	149.3	19.82	8.532			

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2E-32H-C264 - 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		
5,100.0	5,022.0	5,102.1	5,047.7	17.5	15.2	160.99	242.0	-638.3	172.0	151.7	20.26	8.487		
5,200.0	5,120.2	5,200.0	5,144.3	17.8	15.5	160.94	247.4	-652.8	175.3	154.6	20.68	8.478		
5,300.0	5,218.4	5,297.0	5,240.4	18.2	15.8	161.10	252.2	-665.6	180.2	159.1	21.04	8.564		
5,400.0	5,316.7	5,394.0	5,336.6	18.6	16.0	161.45	256.5	-676.9	186.6	165.3	21.35	8.740		
5,500.0	5,414.9	5,490.7	5,432.7	19.0	16.2	161.97	260.1	-686.6	194.6	173.0	21.62	9.002		
5,600.0	5,513.2	5,587.1	5,528.7	19.3	16.5	162.60	263.2	-694.8	203.7	181.9	21.86	9.322		
5,700.0	5,612.0	5,683.5	5,624.9	19.6	16.6	163.12	265.7	-701.4	211.5	189.4	22.10	9.571		
5,800.0	5,711.3	5,780.0	5,721.2	19.9	16.8	163.50	267.6	-706.6	217.5	195.2	22.35	9.733		
5,900.0	5,810.9	5,876.4	5,817.6	20.1	17.0	163.76	269.0	-710.2	221.8	199.2	22.60	9.812		
6,000.0	5,910.8	5,972.9	5,914.0	20.2	17.1	163.90	269.8	-712.3	224.2	201.4	22.85	9.813		
6,100.0	6,010.8	6,069.7	6,010.8	20.3	17.2	90.00	270.0	-712.9	225.0	201.8	23.11	9.734		
6,200.0	6,110.8	6,169.7	6,110.8	20.4	17.3	90.00	270.0	-712.9	225.0	201.5	23.43	9.601		
6,300.0	6,210.8	6,269.7	6,210.8	20.5	17.4	90.00	270.0	-712.9	225.0	201.2	23.75	9.471		
6,400.0	6,310.8	6,369.7	6,310.8	20.6	17.5	90.00	270.0	-712.9	225.0	200.9	24.07	9.345		
6,460.7	6,371.5	6,430.4	6,371.5	20.6	17.6	90.00	270.0	-712.9	225.0	200.7	24.27	9.270		
6,500.0	6,410.8	6,469.7	6,410.8	20.7	17.6	90.20	269.2	-712.9	225.0	200.6	24.34	9.242		
6,600.0	6,510.8	6,567.8	6,507.9	20.7	17.6	-86.67	255.8	-712.9	225.3	201.4	23.97	9.400		
6,700.0	6,609.5	6,663.2	6,598.7	20.8	17.6	-82.89	227.0	-712.9	226.7	203.2	23.54	9.632		
6,800.0	6,704.0	6,756.4	6,681.7	20.7	17.6	-79.40	184.8	-712.9	228.9	205.6	23.36	9.802		
6,900.0	6,791.4	6,847.8	6,755.3	20.7	17.5	-76.29	130.9	-712.9	231.6	208.2	23.44	9.881		
7,000.0	6,869.2	6,937.6	6,818.4	20.7	17.5	-73.62	67.1	-712.9	234.6	210.8	23.74	9.881		
7,100.0	6,934.8	7,026.1	6,870.2	20.7	17.6	-71.45	-4.6	-712.9	237.4	213.3	24.09	9.852		
7,200.0	6,986.5	7,113.7	6,909.9	20.8	17.8	-69.80	-82.6	-712.9	239.8	215.2	24.59	9.751		
7,300.0	7,022.5	7,200.0	6,937.0	21.1	18.1	-68.67	-164.4	-712.9	241.5	216.4	25.09	9.627		
7,400.0	7,041.7	7,287.1	6,951.6	21.5	18.5	-68.08	-250.2	-712.9	242.5	216.8	25.70	9.436		
7,500.0	7,045.0	7,378.7	6,954.0	22.0	19.1	-67.98	-341.7	-712.9	242.7	215.9	26.80	9.054		
7,600.0	7,045.0	7,478.7	6,954.0	22.7	19.9	-67.98	-441.7	-712.9	242.7	214.0	28.70	8.455		
7,700.0	7,045.0	7,578.7	6,954.0	23.4	20.7	-67.98	-541.7	-712.9	242.7	211.8	30.82	7.873		
7,800.0	7,045.0	7,678.7	6,954.0	24.3	21.7	-67.98	-641.7	-712.9	242.7	209.5	33.13	7.325		
7,900.0	7,045.0	7,778.7	6,954.0	25.3	22.8	-67.98	-741.7	-712.9	242.7	207.1	35.58	6.819		
8,000.0	7,045.0	7,878.7	6,954.0	26.3	24.0	-67.98	-841.7	-712.9	242.7	204.5	38.16	6.359		
8,100.0	7,045.0	7,978.7	6,954.0	27.4	25.2	-67.98	-941.7	-712.9	242.7	201.8	40.83	5.943		
8,200.0	7,045.0	8,078.7	6,954.0	28.6	26.5	-67.98	-1,041.7	-712.9	242.7	199.1	43.58	5.568		
8,300.0	7,045.0	8,178.7	6,954.0	29.9	27.8	-67.98	-1,141.7	-712.9	242.7	196.3	46.40	5.230		
8,400.0	7,045.0	8,278.7	6,954.0	31.2	29.2	-67.98	-1,241.7	-712.9	242.7	193.4	49.27	4.925		
8,500.0	7,045.0	8,378.7	6,954.0	32.5	30.6	-67.98	-1,341.7	-712.9	242.7	190.5	52.19	4.650		
8,600.0	7,045.0	8,478.7	6,954.0	33.9	32.1	-67.98	-1,441.7	-712.9	242.7	187.5	55.14	4.401		
8,700.0	7,045.0	8,578.7	6,954.0	35.3	33.6	-67.98	-1,541.7	-712.9	242.7	184.5	58.13	4.174		
8,800.0	7,045.0	8,678.7	6,954.0	36.7	35.1	-67.98	-1,641.7	-712.9	242.7	181.5	61.14	3.969		
8,900.0	7,045.0	8,778.7	6,954.0	38.2	36.6	-67.98	-1,741.7	-712.9	242.7	178.5	64.18	3.781		
9,000.0	7,045.0	8,878.7	6,954.0	39.7	38.2	-67.98	-1,841.7	-712.9	242.7	175.4	67.24	3.609		
9,100.0	7,045.0	8,978.7	6,954.0	41.2	39.7	-67.98	-1,941.7	-712.9	242.7	172.3	70.31	3.451		
9,200.0	7,045.0	9,078.7	6,954.0	42.7	41.3	-67.98	-2,041.7	-712.9	242.7	169.3	73.41	3.306		
9,300.0	7,045.0	9,178.7	6,954.0	44.3	42.9	-67.98	-2,141.7	-712.9	242.7	166.1	76.51	3.172		
9,400.0	7,045.0	9,278.7	6,954.0	45.8	44.5	-67.98	-2,241.7	-712.9	242.7	163.0	79.63	3.047		
9,500.0	7,045.0	9,378.7	6,954.0	47.4	46.2	-67.98	-2,341.7	-712.9	242.7	159.9	82.76	2.932		
9,600.0	7,045.0	9,478.7	6,954.0	49.0	47.8	-67.98	-2,441.7	-712.9	242.7	156.8	85.89	2.825		
9,700.0	7,045.0	9,578.7	6,954.0	50.6	49.4	-67.98	-2,541.7	-712.9	242.7	153.6	89.04	2.725		
9,800.0	7,045.0	9,678.7	6,954.0	52.2	51.1	-67.98	-2,641.7	-712.9	242.7	150.5	92.19	2.632		
9,900.0	7,045.0	9,778.7	6,954.0	53.8	52.7	-67.98	-2,741.7	-712.9	242.7	147.3	95.35	2.545		
10,000.0	7,045.0	9,878.7	6,954.0	55.4	54.4	-67.98	-2,841.7	-712.9	242.7	144.1	98.52	2.463		
10,100.0	7,045.0	9,978.7	6,954.0	57.1	56.0	-67.98	-2,941.7	-712.9	242.7	141.0	101.69	2.386		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2E-32H-C264 - 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)				
10,200.0	7,045.0	10,078.7	6,954.0	58.7	57.7	-67.98	-3,041.7	-712.9	242.7	137.8	104.87	2.314		
10,300.0	7,045.0	10,178.7	6,954.0	60.4	59.4	-67.98	-3,141.7	-712.9	242.7	134.6	108.05	2.246		
10,400.0	7,045.0	10,278.7	6,954.0	62.0	61.1	-67.98	-3,241.7	-712.9	242.7	131.4	111.23	2.182		
10,500.0	7,045.0	10,378.7	6,954.0	63.7	62.7	-67.98	-3,341.7	-712.9	242.7	128.2	114.42	2.121		
10,600.0	7,045.0	10,478.7	6,954.0	65.3	64.4	-67.98	-3,441.7	-712.9	242.7	125.0	117.62	2.063		
10,700.0	7,045.0	10,578.7	6,954.0	67.0	66.1	-67.98	-3,541.7	-712.9	242.7	121.8	120.81	2.009		
10,800.0	7,045.0	10,678.7	6,954.0	68.7	67.8	-67.98	-3,641.7	-712.9	242.7	118.6	124.01	1.957		
10,900.0	7,045.0	10,778.7	6,954.0	70.3	69.5	-67.98	-3,741.7	-712.9	242.7	115.4	127.22	1.907		
11,000.0	7,045.0	10,878.7	6,954.0	72.0	71.2	-67.98	-3,841.7	-712.9	242.7	112.2	130.42	1.861		
11,100.0	7,045.0	10,978.7	6,954.0	73.7	72.9	-67.98	-3,941.7	-712.9	242.7	109.0	133.63	1.816		
11,200.0	7,045.0	11,078.7	6,954.0	75.4	74.6	-67.98	-4,041.7	-712.9	242.7	105.8	136.84	1.773		
11,300.0	7,045.0	11,178.7	6,954.0	77.1	76.3	-67.97	-4,141.7	-712.9	242.7	102.6	140.05	1.733		
11,400.0	7,045.0	11,278.7	6,954.0	78.8	78.0	-67.97	-4,241.7	-712.9	242.7	99.4	143.27	1.694		
11,500.0	7,045.0	11,378.7	6,954.0	80.5	79.7	-67.97	-4,341.7	-712.9	242.7	96.2	146.48	1.657		
11,600.0	7,045.0	11,478.7	6,954.0	82.2	81.4	-67.97	-4,441.7	-712.9	242.7	93.0	149.70	1.621		
11,700.0	7,045.0	11,578.7	6,954.0	83.9	83.2	-67.97	-4,541.7	-712.9	242.7	89.7	152.92	1.587		
11,707.0	7,045.0	11,585.7	6,954.0	84.0	83.3	-67.97	-4,548.7	-712.9	242.7	89.5	153.14	1.585 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2F-32H-C264 - 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	1.0	1.0	0.0	0.0	90.10	0.0	14.8	14.8					
100.0	100.0	101.0	101.0	0.1	0.1	90.10	0.0	14.8	14.8	14.6	0.25	60.246		
200.0	200.0	201.0	201.0	0.3	0.3	90.10	0.0	14.8	14.8	14.2	0.60	24.911		
300.0	300.0	301.0	301.0	0.5	0.5	90.10	0.0	14.8	14.8	13.9	0.94	15.702 CC		
327.9	327.9	328.9	328.9	0.5	0.5	164.11	0.0	14.8	14.9	13.8	1.04	14.298 ES		
400.0	400.0	401.0	401.0	0.6	0.6	164.49	0.0	14.8	15.2	14.0	1.29	11.790		
500.0	499.9	501.1	501.1	0.8	0.8	167.05	0.1	14.6	18.4	16.8	1.64	11.225		
600.0	599.7	601.3	601.3	1.0	1.0	169.01	0.9	13.1	23.6	21.7	1.99	11.884		
700.0	699.1	701.5	701.4	1.3	1.2	170.14	2.6	10.0	30.7	28.4	2.34	13.133		
800.0	798.2	801.6	801.4	1.5	1.4	170.71	5.1	5.3	39.6	36.9	2.68	14.737		
900.0	896.6	901.8	901.3	1.9	1.6	170.97	8.4	-0.9	50.2	47.2	3.03	16.558		
1,000.0	994.9	1,002.1	1,001.3	2.2	1.8	170.77	12.6	-8.6	60.7	57.3	3.40	17.874		
1,100.0	1,093.1	1,102.8	1,101.4	2.6	2.0	170.10	17.6	-17.9	69.5	65.8	3.76	18.467		
1,200.0	1,191.3	1,202.7	1,200.6	2.9	2.3	169.27	23.0	-28.1	77.3	73.2	4.14	18.687		
1,300.0	1,289.5	1,302.4	1,299.6	3.3	2.5	168.59	28.5	-38.3	85.2	80.7	4.52	18.855		
1,400.0	1,387.7	1,402.0	1,398.6	3.6	2.8	168.03	34.0	-48.5	93.0	88.1	4.90	18.986		
1,500.0	1,486.0	1,501.7	1,497.6	4.0	3.0	167.55	39.5	-58.7	100.9	95.6	5.28	19.090		
1,600.0	1,584.2	1,601.4	1,596.6	4.4	3.3	167.14	44.9	-68.9	108.7	103.0	5.67	19.173		
1,700.0	1,682.4	1,701.1	1,695.6	4.7	3.5	166.79	50.4	-79.1	116.6	110.5	6.06	19.239		
1,800.0	1,780.6	1,800.8	1,794.7	5.1	3.8	166.48	55.9	-89.3	124.4	118.0	6.45	19.293		
1,900.0	1,878.9	1,900.5	1,893.7	5.5	4.0	166.21	61.4	-99.5	132.3	125.4	6.84	19.338		
2,000.0	1,977.1	2,000.2	1,992.7	5.9	4.3	165.97	66.8	-109.7	140.1	132.9	7.23	19.374		
2,100.0	2,075.3	2,099.9	2,091.7	6.2	4.6	165.75	72.3	-119.9	148.0	140.4	7.63	19.404		
2,200.0	2,173.5	2,199.5	2,190.7	6.6	4.8	165.56	77.8	-130.1	155.9	147.9	8.02	19.430		
2,300.0	2,271.7	2,299.2	2,289.7	7.0	5.1	165.38	83.3	-140.3	163.8	155.3	8.42	19.451		
2,400.0	2,370.0	2,398.9	2,388.8	7.3	5.3	165.22	88.7	-150.5	171.6	162.8	8.82	19.468		
2,500.0	2,468.2	2,498.6	2,487.8	7.7	5.6	165.08	94.2	-160.7	179.5	170.3	9.21	19.484		
2,600.0	2,566.4	2,598.3	2,586.8	8.1	5.9	164.94	99.7	-170.9	187.4	177.8	9.61	19.496		
2,700.0	2,664.6	2,698.0	2,685.8	8.5	6.1	164.82	105.2	-181.0	195.2	185.2	10.01	19.507		
2,800.0	2,762.9	2,797.7	2,784.8	8.8	6.4	164.71	110.6	-191.2	203.1	192.7	10.41	19.516		
2,900.0	2,861.1	2,897.4	2,883.8	9.2	6.7	164.60	116.1	-201.4	211.0	200.2	10.81	19.524		
3,000.0	2,959.3	2,997.1	2,982.8	9.6	6.9	164.51	121.6	-211.6	218.9	207.7	11.21	19.531		
3,100.0	3,057.5	3,096.7	3,081.9	10.0	7.2	164.42	127.1	-221.8	226.8	215.1	11.61	19.537		
3,200.0	3,155.8	3,196.4	3,180.9	10.3	7.5	164.33	132.5	-232.0	234.6	222.6	12.01	19.541		
3,300.0	3,254.0	3,296.1	3,279.9	10.7	7.7	164.25	138.0	-242.2	242.5	230.1	12.41	19.546		
3,400.0	3,352.2	3,395.8	3,378.9	11.1	8.0	164.18	143.5	-252.4	250.4	237.6	12.81	19.549		
3,500.0	3,450.4	3,495.5	3,477.9	11.5	8.3	164.11	149.0	-262.6	258.3	245.1	13.21	19.552		
3,600.0	3,548.6	3,595.2	3,576.9	11.8	8.5	164.04	154.4	-272.8	266.2	252.5	13.61	19.555		
3,700.0	3,646.9	3,694.9	3,675.9	12.2	8.8	163.98	159.9	-283.0	274.0	260.0	14.01	19.557		
3,800.0	3,745.1	3,794.6	3,775.0	12.6	9.1	163.92	165.4	-293.2	281.9	267.5	14.41	19.559		
3,900.0	3,843.3	3,894.3	3,874.0	13.0	9.3	163.87	170.9	-303.4	289.8	275.0	14.82	19.560		
4,000.0	3,941.5	3,993.9	3,973.0	13.3	9.6	163.82	176.3	-313.6	297.7	282.5	15.22	19.562		
4,100.0	4,039.8	4,093.6	4,072.0	13.7	9.9	163.77	181.8	-323.8	305.6	289.9	15.62	19.563		
4,200.0	4,138.0	4,193.3	4,171.0	14.1	10.1	163.72	187.3	-334.0	313.4	297.4	16.02	19.564		
4,300.0	4,236.2	4,293.0	4,270.0	14.5	10.4	163.68	192.8	-344.2	321.3	304.9	16.42	19.564		
4,400.0	4,334.4	4,392.7	4,369.0	14.8	10.6	163.64	198.2	-354.4	329.2	312.4	16.83	19.565		
4,500.0	4,432.6	4,492.4	4,468.1	15.2	10.9	163.59	203.7	-364.6	337.1	319.9	17.23	19.565		
4,600.0	4,530.9	4,592.1	4,567.1	15.6	11.2	163.56	209.2	-374.8	345.0	327.3	17.63	19.566		
4,700.0	4,629.1	4,691.8	4,666.1	16.0	11.4	163.52	214.7	-385.0	352.8	334.8	18.03	19.566		
4,800.0	4,727.3	4,791.5	4,765.1	16.3	11.7	163.48	220.1	-395.2	360.7	342.3	18.44	19.566		
4,900.0	4,825.5	4,891.1	4,864.1	16.7	12.0	163.45	225.6	-405.4	368.6	349.8	18.84	19.566		
5,000.0	4,923.8	4,990.8	4,963.1	17.1	12.2	163.42	231.1	-415.6	376.5	357.3	19.24	19.566		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2F-32H-C264 - 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)	
5,100.0	5,022.0	5,090.5	5,062.1	17.5	12.5	163.39	236.6	-425.8	384.4	364.7	19.65	19.565		
5,200.0	5,120.2	5,190.2	5,161.2	17.8	12.8	163.36	242.0	-436.0	392.3	372.2	20.05	19.565		
5,300.0	5,218.4	5,289.9	5,260.2	18.2	13.0	163.33	247.5	-446.2	400.1	379.7	20.45	19.565		
5,400.0	5,316.7	5,388.1	5,357.8	18.6	13.3	163.31	252.9	-456.2	408.1	387.2	20.85	19.571		
5,500.0	5,414.9	5,481.8	5,450.9	19.0	13.5	163.36	257.5	-464.7	417.0	395.8	21.22	19.652		
5,600.0	5,513.2	5,575.3	5,544.0	19.3	13.7	163.52	261.4	-472.0	427.0	405.4	21.57	19.791		
5,700.0	5,612.0	5,668.7	5,637.2	19.6	13.9	163.68	264.5	-477.8	435.4	413.5	21.91	19.869		
5,800.0	5,711.3	5,762.2	5,730.6	19.9	14.1	163.80	267.0	-482.4	441.9	419.6	22.23	19.878		
5,900.0	5,810.9	5,855.7	5,824.0	20.1	14.2	163.88	268.7	-485.6	446.5	423.9	22.53	19.818		
6,000.0	5,910.8	5,949.3	5,917.5	20.2	14.4	163.93	269.7	-487.5	449.2	426.3	22.81	19.694		
6,100.0	6,010.8	6,043.5	6,011.8	20.3	14.5	90.00	270.0	-488.0	449.9	426.9	23.07	19.499		
6,200.0	6,110.8	6,143.5	6,111.8	20.4	14.6	90.00	270.0	-488.0	449.9	426.5	23.39	19.233		
6,300.0	6,210.8	6,243.5	6,211.8	20.5	14.8	90.00	270.0	-488.0	449.9	426.2	23.71	18.973		
6,400.0	6,310.8	6,343.5	6,311.8	20.6	14.9	90.00	270.0	-488.0	449.9	425.9	24.03	18.720		
6,500.0	6,410.8	6,443.5	6,411.8	20.7	15.0	90.00	270.0	-488.0	449.9	425.6	24.36	18.472		
6,553.3	6,464.1	6,496.9	6,465.1	20.7	15.1	-90.12	270.0	-488.0	449.9	425.4	24.54	18.334		
6,600.0	6,510.8	6,543.5	6,511.8	20.7	15.1	-90.16	270.0	-488.0	449.9	425.2	24.69	18.222		
6,700.0	6,609.5	6,642.4	6,610.7	20.8	15.3	-92.06	269.9	-488.0	450.2	425.0	25.21	17.860		
6,800.0	6,704.0	6,744.9	6,712.4	20.7	15.3	-94.85	259.4	-488.0	451.6	426.0	25.64	17.617		
6,900.0	6,791.4	6,851.8	6,814.9	20.7	15.3	-97.54	229.3	-488.0	454.0	428.3	25.73	17.648		
7,000.0	6,869.2	6,963.7	6,914.2	20.7	15.3	-100.03	178.1	-488.0	457.2	431.7	25.52	17.916		
7,100.0	6,934.8	7,080.5	7,005.2	20.7	15.2	-102.22	105.2	-488.0	460.6	435.5	25.18	18.291		
7,200.0	6,986.5	7,202.0	7,082.1	20.8	15.3	-104.01	11.4	-488.0	463.9	438.9	25.05	18.522		
7,300.0	7,022.5	7,327.4	7,138.9	21.1	15.6	-105.29	-100.1	-488.0	466.5	441.0	25.51	18.291		
7,400.0	7,041.7	7,455.6	7,170.5	21.5	16.2	-106.00	-224.1	-488.0	468.1	441.2	26.84	17.440		
7,500.0	7,045.0	7,573.5	7,176.0	22.0	17.1	-106.12	-341.7	-488.0	468.3	439.6	28.77	16.276		
7,600.0	7,045.0	7,673.5	7,176.0	22.7	17.9	-106.12	-441.7	-488.0	468.3	437.7	30.66	15.273		
7,700.0	7,045.0	7,773.5	7,176.0	23.4	18.9	-106.12	-541.7	-488.0	468.3	435.5	32.79	14.283		
7,800.0	7,045.0	7,873.5	7,176.0	24.3	20.0	-106.12	-641.7	-488.0	468.3	433.2	35.11	13.340		
7,900.0	7,045.0	7,973.5	7,176.0	25.3	21.2	-106.12	-741.7	-488.0	468.3	430.7	37.59	12.460		
8,000.0	7,045.0	8,073.5	7,176.0	26.3	22.4	-106.12	-841.7	-488.0	468.3	428.1	40.20	11.651		
8,100.0	7,045.0	8,173.5	7,176.0	27.4	23.7	-106.12	-941.7	-488.0	468.3	425.4	42.91	10.913		
8,200.0	7,045.0	8,273.5	7,176.0	28.6	25.1	-106.12	-1,041.7	-488.0	468.3	422.6	45.72	10.244		
8,300.0	7,045.0	8,373.5	7,176.0	29.9	26.5	-106.12	-1,141.7	-488.0	468.3	419.7	48.59	9.638		
8,400.0	7,045.0	8,473.5	7,176.0	31.2	28.0	-106.12	-1,241.7	-488.0	468.3	416.8	51.53	9.088		
8,500.0	7,045.0	8,573.5	7,176.0	32.5	29.5	-106.12	-1,341.7	-488.0	468.3	413.8	54.52	8.590		
8,600.0	7,045.0	8,673.5	7,176.0	33.9	31.0	-106.12	-1,441.7	-488.0	468.3	410.8	57.55	8.138		
8,700.0	7,045.0	8,773.5	7,176.0	35.3	32.5	-106.12	-1,541.7	-488.0	468.3	407.7	60.61	7.727		
8,800.0	7,045.0	8,873.5	7,176.0	36.7	34.1	-106.12	-1,641.7	-488.0	468.3	404.6	63.71	7.351		
8,900.0	7,045.0	8,973.5	7,176.0	38.2	35.6	-106.12	-1,741.7	-488.0	468.3	401.5	66.83	7.007		
9,000.0	7,045.0	9,073.5	7,176.0	39.7	37.2	-106.12	-1,841.7	-488.0	468.3	398.3	69.98	6.692		
9,100.0	7,045.0	9,173.5	7,176.0	41.2	38.8	-106.12	-1,941.7	-488.0	468.3	395.2	73.14	6.403		
9,200.0	7,045.0	9,273.5	7,176.0	42.7	40.5	-106.12	-2,041.7	-488.0	468.3	392.0	76.33	6.136		
9,300.0	7,045.0	9,373.5	7,176.0	44.3	42.1	-106.12	-2,141.7	-488.0	468.3	388.8	79.53	5.889		
9,400.0	7,045.0	9,473.5	7,176.0	45.8	43.7	-106.12	-2,241.7	-488.0	468.3	385.6	82.74	5.660		
9,500.0	7,045.0	9,573.5	7,176.0	47.4	45.4	-106.12	-2,341.7	-488.0	468.3	382.4	85.97	5.448		
9,600.0	7,045.0	9,673.5	7,176.0	49.0	47.0	-106.12	-2,441.7	-488.0	468.3	379.1	89.20	5.250		
9,700.0	7,045.0	9,773.5	7,176.0	50.6	48.7	-106.12	-2,541.7	-488.0	468.3	375.9	92.45	5.066		
9,800.0	7,045.0	9,873.5	7,176.0	52.2	50.4	-106.12	-2,641.7	-488.0	468.3	372.6	95.70	4.893		
9,900.0	7,045.0	9,973.5	7,176.0	53.8	52.0	-106.12	-2,741.7	-488.0	468.3	369.3	98.97	4.732		
10,000.0	7,045.0	10,073.5	7,176.0	55.4	53.7	-106.12	-2,841.7	-488.0	468.3	366.1	102.24	4.581		
10,100.0	7,045.0	10,173.5	7,176.0	57.1	55.4	-106.12	-2,941.7	-488.0	468.3	362.8	105.51	4.438		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2F-32H-C264 - 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		
10,200.0	7,045.0	10,273.5	7,176.0	58.7	57.1	-106.12	-3,041.7	-488.0	468.3	359.5	108.79	4.305		
10,300.0	7,045.0	10,373.5	7,176.0	60.4	58.8	-106.12	-3,141.7	-488.0	468.3	356.2	112.08	4.178		
10,400.0	7,045.0	10,473.5	7,176.0	62.0	60.5	-106.12	-3,241.7	-488.0	468.3	352.9	115.37	4.059		
10,500.0	7,045.0	10,573.5	7,176.0	63.7	62.2	-106.12	-3,341.7	-488.0	468.3	349.6	118.67	3.946		
10,600.0	7,045.0	10,673.5	7,176.0	65.3	63.9	-106.12	-3,441.7	-488.0	468.3	346.3	121.97	3.840		
10,700.0	7,045.0	10,773.5	7,176.0	67.0	65.6	-106.12	-3,541.7	-488.0	468.3	343.0	125.28	3.738		
10,800.0	7,045.0	10,873.5	7,176.0	68.7	67.3	-106.12	-3,641.7	-488.0	468.3	339.7	128.58	3.642		
10,900.0	7,045.0	10,973.5	7,176.0	70.3	69.0	-106.12	-3,741.7	-488.0	468.3	336.4	131.89	3.551		
11,000.0	7,045.0	11,073.5	7,176.0	72.0	70.7	-106.12	-3,841.7	-488.0	468.3	333.1	135.21	3.464		
11,100.0	7,045.0	11,173.5	7,176.0	73.7	72.4	-106.12	-3,941.7	-488.0	468.3	329.8	138.53	3.381		
11,200.0	7,045.0	11,273.5	7,176.0	75.4	74.1	-106.12	-4,041.7	-488.0	468.3	326.5	141.85	3.302		
11,300.0	7,045.0	11,373.5	7,176.0	77.1	75.9	-106.12	-4,141.7	-488.0	468.3	323.1	145.17	3.226		
11,400.0	7,045.0	11,473.5	7,176.0	78.8	77.6	-106.12	-4,241.7	-488.0	468.3	319.8	148.49	3.154		
11,500.0	7,045.0	11,573.5	7,176.0	80.5	79.3	-106.12	-4,341.7	-488.0	468.3	316.5	151.82	3.085		
11,600.0	7,045.0	11,673.5	7,176.0	82.2	81.0	-106.12	-4,441.7	-488.0	468.3	313.2	155.15	3.018		
11,700.0	7,045.0	11,773.5	7,176.0	83.9	82.8	-106.12	-4,541.7	-488.0	468.3	309.8	158.48	2.955		
11,707.0	7,045.0	11,780.5	7,176.0	84.0	82.9	-106.12	-4,548.7	-488.0	468.3	309.6	158.71	2.951 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2G-32H-C264 - 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	1.0	1.0	0.0	0.0	90.10	0.0	22.4	22.4					
100.0	100.0	101.0	101.0	0.1	0.1	90.10	0.0	22.4	22.4	22.1	0.25	90.938		
200.0	200.0	201.0	201.0	0.3	0.3	90.10	0.0	22.4	22.4	21.8	0.60	37.602		
300.0	300.0	301.0	301.0	0.5	0.5	90.10	0.0	22.4	22.4	21.4	0.94	23.701 CC		
327.8	327.8	328.8	328.8	0.5	0.5	164.08	0.0	22.4	22.4	21.4	1.04	21.552 ES		
400.0	400.0	401.0	401.0	0.6	0.6	164.34	0.0	22.4	22.8	21.5	1.29	17.630		
500.0	499.9	500.9	500.9	0.8	0.8	166.38	0.0	22.4	26.2	24.5	1.64	15.948		
600.0	599.7	601.1	601.1	1.0	1.0	168.24	0.6	21.7	32.3	30.3	1.99	16.238		
700.0	699.1	701.3	701.2	1.3	1.2	168.88	2.4	19.8	40.5	38.2	2.34	17.326		
800.0	798.2	801.4	801.2	1.5	1.4	168.80	5.4	16.6	50.7	48.1	2.69	18.879		
900.0	896.6	901.4	901.1	1.9	1.6	168.36	9.6	12.2	63.0	60.0	3.04	20.704		
1,000.0	994.9	1,001.0	1,000.4	2.2	1.8	167.62	14.8	6.7	75.6	72.2	3.42	22.129		
1,100.0	1,093.1	1,100.2	1,099.3	2.6	2.0	167.02	20.1	1.1	88.0	84.2	3.79	23.221		
1,200.0	1,191.3	1,199.4	1,198.2	2.9	2.2	166.57	25.4	-4.5	100.5	96.3	4.17	24.098		
1,300.0	1,289.5	1,298.6	1,297.1	3.3	2.4	166.23	30.7	-10.1	112.9	108.4	4.55	24.817		
1,400.0	1,387.7	1,397.9	1,396.1	3.6	2.6	165.95	35.9	-15.7	125.4	120.5	4.93	25.414		
1,500.0	1,486.0	1,497.1	1,495.0	4.0	2.8	165.72	41.2	-21.2	137.9	132.5	5.32	25.918		
1,600.0	1,584.2	1,596.3	1,593.9	4.4	3.0	165.53	46.5	-26.8	150.3	144.6	5.70	26.348		
1,700.0	1,682.4	1,695.5	1,692.8	4.7	3.2	165.36	51.8	-32.4	162.8	156.7	6.09	26.720		
1,800.0	1,780.6	1,794.7	1,791.7	5.1	3.4	165.23	57.1	-38.0	175.2	168.8	6.48	27.043		
1,900.0	1,878.9	1,894.0	1,890.7	5.5	3.6	165.11	62.4	-43.6	187.7	180.8	6.87	27.327		
2,000.0	1,977.1	1,993.2	1,989.6	5.9	3.9	165.00	67.6	-49.2	200.2	192.9	7.26	27.578		
2,100.0	2,075.3	2,092.4	2,088.5	6.2	4.1	164.91	72.9	-54.7	212.6	205.0	7.65	27.802		
2,200.0	2,173.5	2,191.6	2,187.4	6.6	4.3	164.82	78.2	-60.3	225.1	217.1	8.04	28.003		
2,300.0	2,271.7	2,290.8	2,286.3	7.0	4.5	164.75	83.5	-65.9	237.6	229.2	8.43	28.184		
2,400.0	2,370.0	2,390.1	2,385.3	7.3	4.7	164.68	88.8	-71.5	250.1	241.2	8.82	28.347		
2,500.0	2,468.2	2,489.3	2,484.2	7.7	4.9	164.62	94.1	-77.1	262.5	253.3	9.21	28.496		
2,600.0	2,566.4	2,588.5	2,583.1	8.1	5.2	164.57	99.3	-82.7	275.0	265.4	9.60	28.632		
2,700.0	2,664.6	2,687.7	2,682.0	8.5	5.4	164.52	104.6	-88.3	287.5	277.5	10.00	28.757		
2,800.0	2,762.9	2,786.9	2,780.9	8.8	5.6	164.47	109.9	-93.8	299.9	289.5	10.39	28.872		
2,900.0	2,861.1	2,886.1	2,879.9	9.2	5.8	164.43	115.2	-99.4	312.4	301.6	10.78	28.977		
3,000.0	2,959.3	2,985.4	2,978.8	9.6	6.0	164.39	120.5	-105.0	324.9	313.7	11.17	29.075		
3,100.0	3,057.5	3,084.6	3,077.7	10.0	6.3	164.36	125.8	-110.6	337.3	325.8	11.57	29.166		
3,200.0	3,155.8	3,183.8	3,176.6	10.3	6.5	164.32	131.0	-116.2	349.8	337.9	11.96	29.251		
3,300.0	3,254.0	3,283.0	3,275.5	10.7	6.7	164.29	136.3	-121.8	362.3	349.9	12.35	29.330		
3,400.0	3,352.2	3,382.2	3,374.5	11.1	6.9	164.26	141.6	-127.3	374.8	362.0	12.74	29.404		
3,500.0	3,450.4	3,481.5	3,473.4	11.5	7.1	164.23	146.9	-132.9	387.2	374.1	13.14	29.473		
3,600.0	3,548.6	3,580.7	3,572.3	11.8	7.3	164.21	152.2	-138.5	399.7	386.2	13.53	29.538		
3,700.0	3,646.9	3,679.9	3,671.2	12.2	7.6	164.19	157.5	-144.1	412.2	398.2	13.92	29.600		
3,800.0	3,745.1	3,779.1	3,770.2	12.6	7.8	164.16	162.7	-149.7	424.6	410.3	14.32	29.657		
3,900.0	3,843.3	3,878.3	3,869.1	13.0	8.0	164.14	168.0	-155.3	437.1	422.4	14.71	29.712		
4,000.0	3,941.5	3,977.6	3,968.0	13.3	8.2	164.12	173.3	-160.9	449.6	434.5	15.11	29.763		
4,100.0	4,039.8	4,076.8	4,066.9	13.7	8.4	164.10	178.6	-166.4	462.1	446.6	15.50	29.812		
4,200.0	4,138.0	4,176.0	4,165.8	14.1	8.7	164.08	183.9	-172.0	474.5	458.6	15.89	29.858		
4,300.0	4,236.2	4,275.2	4,264.8	14.5	8.9	164.07	189.2	-177.6	487.0	470.7	16.29	29.902		
4,400.0	4,334.4	4,374.4	4,363.7	14.8	9.1	164.05	194.4	-183.2	499.5	482.8	16.68	29.944		
4,500.0	4,432.6	4,473.7	4,462.6	15.2	9.3	164.04	199.7	-188.8	511.9	494.9	17.07	29.984		
4,600.0	4,530.9	4,572.9	4,561.5	15.6	9.5	164.02	205.0	-194.4	524.4	506.9	17.47	30.022		
4,700.0	4,629.1	4,672.1	4,660.4	16.0	9.7	164.01	210.3	-199.9	536.9	519.0	17.86	30.058		
4,800.0	4,727.3	4,771.3	4,759.4	16.3	10.0	163.99	215.6	-205.5	549.4	531.1	18.26	30.092		
4,900.0	4,825.5	4,870.5	4,858.3	16.7	10.2	163.98	220.9	-211.1	561.8	543.2	18.65	30.125		
5,000.0	4,923.8	4,969.7	4,957.2	17.1	10.4	163.97	226.1	-216.7	574.3	555.3	19.04	30.157		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2G-32H-C264 - 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)	
5,100.0	5,022.0	5,069.0	5,056.1	17.5	10.6	163.96	231.4	-222.3	586.8	567.3	19.44	30.187		
5,200.0	5,120.2	5,168.2	5,155.0	17.8	10.8	163.95	236.7	-227.9	599.2	579.4	19.83	30.216		
5,300.0	5,218.4	5,267.4	5,254.0	18.2	11.1	163.93	242.0	-233.5	611.7	591.5	20.23	30.244		
5,400.0	5,316.7	5,366.6	5,352.9	18.6	11.3	163.92	247.3	-239.0	624.2	603.6	20.62	30.271		
5,500.0	5,414.9	5,465.8	5,451.8	19.0	11.5	163.91	252.6	-244.6	636.7	615.6	21.01	30.297		
5,600.0	5,513.2	5,565.1	5,550.8	19.3	11.7	163.93	257.8	-250.2	648.7	627.3	21.42	30.283		
5,700.0	5,612.0	5,657.4	5,642.9	19.6	11.9	163.93	262.3	-254.9	658.3	636.5	21.80	30.191		
5,800.0	5,711.3	5,749.4	5,734.7	19.9	12.1	163.94	265.7	-258.6	665.7	643.5	22.16	30.045		
5,900.0	5,810.9	5,841.5	5,826.7	20.1	12.2	163.94	268.2	-261.1	670.9	648.5	22.48	29.845		
6,000.0	5,910.8	5,933.6	5,918.8	20.2	12.4	163.94	269.6	-262.6	674.0	651.2	22.78	29.593		
6,100.0	6,010.8	6,026.6	6,011.8	20.3	12.5	90.00	270.0	-263.0	674.9	651.8	23.05	29.278		
6,200.0	6,110.8	6,126.6	6,111.8	20.4	12.7	90.00	270.0	-263.0	674.9	651.5	23.37	28.878		
6,300.0	6,210.8	6,226.6	6,211.8	20.5	12.8	90.00	270.0	-263.0	674.9	651.2	23.69	28.488		
6,400.0	6,310.8	6,326.6	6,311.8	20.6	13.0	90.00	270.0	-263.0	674.9	650.9	24.01	28.107		
6,500.0	6,410.8	6,426.6	6,411.8	20.7	13.1	90.00	270.0	-263.0	674.9	650.5	24.33	27.735		
6,600.0	6,510.8	6,526.6	6,511.8	20.7	13.2	-90.00	268.7	-263.0	674.9	650.3	24.62	27.415		
6,700.0	6,609.5	6,626.6	6,610.4	20.8	13.3	-90.00	253.2	-263.0	674.9	650.2	24.69	27.331		
6,800.0	6,704.0	6,726.6	6,704.9	20.7	13.2	-90.00	220.9	-263.0	674.9	650.3	24.61	27.421		
6,900.0	6,791.4	6,826.6	6,792.4	20.7	13.2	-90.00	172.7	-263.0	674.9	650.4	24.47	27.578		
7,000.0	6,869.2	6,926.6	6,870.1	20.7	13.1	-90.00	110.0	-263.0	674.9	650.5	24.40	27.657		
7,100.0	6,934.8	7,026.6	6,935.8	20.7	13.2	-90.00	34.8	-263.0	674.9	650.3	24.54	27.500		
7,200.0	6,986.5	7,126.6	6,987.5	20.8	13.4	-90.00	-50.7	-263.0	674.9	649.9	25.01	26.980		
7,300.0	7,022.5	7,226.6	7,023.5	21.1	13.8	-90.00	-143.8	-263.0	674.9	649.0	25.90	26.056		
7,400.0	7,041.7	7,326.6	7,042.7	21.5	14.4	-90.00	-241.8	-263.0	674.9	647.7	27.22	24.797		
7,500.0	7,045.0	7,426.6	7,046.0	22.0	15.2	-90.00	-341.7	-263.0	674.9	646.0	28.92	23.338		
7,600.0	7,045.0	7,526.6	7,046.0	22.7	16.2	-90.00	-441.7	-263.0	674.9	644.0	30.91	21.830		
7,700.0	7,045.0	7,626.6	7,046.0	23.4	17.3	-90.00	-541.7	-263.0	674.9	641.7	33.16	20.350		
7,800.0	7,045.0	7,726.6	7,046.0	24.3	18.5	-90.00	-641.7	-263.0	674.9	639.3	35.62	18.948		
7,900.0	7,045.0	7,826.6	7,046.0	25.3	19.7	-90.00	-741.7	-263.0	674.9	636.6	38.23	17.651		
8,000.0	7,045.0	7,926.6	7,046.0	26.3	21.1	-90.00	-841.7	-263.0	674.9	633.9	40.99	16.466		
8,100.0	7,045.0	8,026.6	7,046.0	27.4	22.5	-90.00	-941.7	-263.0	674.9	631.0	43.85	15.392		
8,200.0	7,045.0	8,126.6	7,046.0	28.6	23.9	-90.00	-1,041.7	-263.0	674.9	628.1	46.79	14.422		
8,300.0	7,045.0	8,226.6	7,046.0	29.9	25.4	-90.00	-1,141.7	-263.0	674.9	625.1	49.82	13.547		
8,400.0	7,045.0	8,326.6	7,046.0	31.2	26.9	-90.00	-1,241.7	-263.0	674.9	622.0	52.90	12.758		
8,500.0	7,045.0	8,426.6	7,046.0	32.5	28.4	-90.00	-1,341.7	-263.0	674.9	618.8	56.03	12.045		
8,600.0	7,045.0	8,526.6	7,046.0	33.9	30.0	-90.00	-1,441.7	-263.0	674.9	615.7	59.20	11.400		
8,700.0	7,045.0	8,626.6	7,046.0	35.3	31.6	-90.00	-1,541.7	-263.0	674.9	612.5	62.41	10.813		
8,800.0	7,045.0	8,726.6	7,046.0	36.7	33.2	-90.00	-1,641.7	-263.0	674.9	609.2	65.65	10.280		
8,900.0	7,045.0	8,826.6	7,046.0	38.2	34.8	-90.00	-1,741.7	-263.0	674.9	605.9	68.92	9.792		
9,000.0	7,045.0	8,926.6	7,046.0	39.7	36.4	-90.00	-1,841.7	-263.0	674.9	602.7	72.21	9.346		
9,100.0	7,045.0	9,026.6	7,046.0	41.2	38.1	-90.00	-1,941.7	-263.0	674.9	599.4	75.52	8.937		
9,200.0	7,045.0	9,126.6	7,046.0	42.7	39.7	-90.00	-2,041.7	-263.0	674.9	596.0	78.84	8.560		
9,300.0	7,045.0	9,226.6	7,046.0	44.3	41.4	-90.00	-2,141.7	-263.0	674.9	592.7	82.18	8.212		
9,400.0	7,045.0	9,326.6	7,046.0	45.8	43.0	-90.00	-2,241.7	-263.0	674.9	589.3	85.54	7.890		
9,500.0	7,045.0	9,426.6	7,046.0	47.4	44.7	-90.00	-2,341.7	-263.0	674.9	586.0	88.90	7.591		
9,600.0	7,045.0	9,526.6	7,046.0	49.0	46.4	-90.00	-2,441.7	-263.0	674.9	582.6	92.28	7.313		
9,700.0	7,045.0	9,626.6	7,046.0	50.6	48.1	-90.00	-2,541.7	-263.0	674.9	579.2	95.67	7.054		
9,800.0	7,045.0	9,726.6	7,046.0	52.2	49.8	-90.00	-2,641.7	-263.0	674.9	575.8	99.06	6.813		
9,900.0	7,045.0	9,826.6	7,046.0	53.8	51.5	-90.00	-2,741.7	-263.0	674.9	572.4	102.46	6.586		
10,000.0	7,045.0	9,926.6	7,046.0	55.4	53.2	-90.00	-2,841.7	-263.0	674.9	569.0	105.87	6.374		
10,100.0	7,045.0	10,026.6	7,046.0	57.1	54.9	-90.00	-2,941.7	-263.0	674.9	565.6	109.29	6.175		
10,200.0	7,045.0	10,126.6	7,046.0	58.7	56.6	-90.00	-3,041.7	-263.0	674.9	562.1	112.71	5.988		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2G-32H-C264 - 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		
10,300.0	7,045.0	10,226.6	7,046.0	60.4	58.3	-90.00	-3,141.7	-263.0	674.9	558.7	116.14	5.811		
10,400.0	7,045.0	10,326.6	7,046.0	62.0	60.0	-90.00	-3,241.7	-263.0	674.9	555.3	119.57	5.644		
10,500.0	7,045.0	10,426.6	7,046.0	63.7	61.7	-90.00	-3,341.7	-263.0	674.9	551.9	123.00	5.486		
10,600.0	7,045.0	10,526.6	7,046.0	65.3	63.4	-90.00	-3,441.7	-263.0	674.9	548.4	126.44	5.337		
10,700.0	7,045.0	10,626.6	7,046.0	67.0	65.1	-90.00	-3,541.7	-263.0	674.9	545.0	129.89	5.196		
10,800.0	7,045.0	10,726.6	7,046.0	68.7	66.8	-90.00	-3,641.7	-263.0	674.9	541.5	133.33	5.061		
10,900.0	7,045.0	10,826.6	7,046.0	70.3	68.6	-90.00	-3,741.7	-263.0	674.9	538.1	136.78	4.934		
11,000.0	7,045.0	10,926.6	7,046.0	72.0	70.3	-90.00	-3,841.7	-263.0	674.9	534.6	140.24	4.812		
11,100.0	7,045.0	11,026.6	7,046.0	73.7	72.0	-90.00	-3,941.7	-263.0	674.9	531.2	143.69	4.697		
11,200.0	7,045.0	11,126.6	7,046.0	75.4	73.7	-90.00	-4,041.7	-263.0	674.9	527.7	147.15	4.586		
11,300.0	7,045.0	11,226.6	7,046.0	77.1	75.5	-90.00	-4,141.7	-263.0	674.9	524.2	150.61	4.481		
11,400.0	7,045.0	11,326.6	7,046.0	78.8	77.2	-90.00	-4,241.7	-263.0	674.9	520.8	154.07	4.380		
11,500.0	7,045.0	11,426.6	7,046.0	80.5	78.9	-90.00	-4,341.7	-263.0	674.9	517.3	157.54	4.284		
11,600.0	7,045.0	11,526.6	7,046.0	82.2	80.6	-90.00	-4,441.7	-263.0	674.9	513.8	161.00	4.192		
11,700.0	7,045.0	11,626.6	7,046.0	83.9	82.4	-90.00	-4,541.7	-263.0	674.9	510.4	164.47	4.103		
11,707.0	7,045.0	11,633.5	7,046.0	84.0	82.5	-90.00	-4,548.7	-263.0	674.9	510.1	164.71	4.097 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2H-32H-C264 - 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		
0.0	0.0	1.0	1.0	0.0	0.0	90.67	-0.4	29.9	29.9					
100.0	100.0	101.0	101.0	0.1	0.1	90.67	-0.4	29.9	29.9	29.7	0.25	121.637		
200.0	200.0	201.0	201.0	0.3	0.3	90.67	-0.4	29.9	29.9	29.3	0.60	50.296		
300.0	300.0	301.0	301.0	0.5	0.5	90.67	-0.4	29.9	29.9	29.0	0.94	31.702 CC		
327.8	327.8	328.8	328.8	0.5	0.5	164.65	-0.4	29.9	30.0	29.0	1.04	28.809 ES		
400.0	400.0	401.0	401.0	0.6	0.6	164.83	-0.4	29.9	30.4	29.1	1.29	23.473		
500.0	499.9	501.0	501.0	0.8	0.8	166.00	-0.1	29.9	33.7	32.0	1.64	20.511		
600.0	599.7	601.0	601.0	1.0	1.0	165.96	1.6	29.4	39.9	38.0	1.99	20.066		
700.0	699.1	700.8	700.7	1.3	1.2	164.95	5.0	28.6	49.1	46.8	2.34	20.949		
800.0	798.2	800.1	799.9	1.5	1.4	163.71	9.8	27.4	61.3	58.6	2.71	22.636		
900.0	896.6	899.0	898.6	1.9	1.5	163.43	14.9	26.1	76.7	73.6	3.07	24.949		
1,000.0	994.9	997.5	997.1	2.2	1.7	163.56	20.0	24.8	93.4	90.0	3.45	27.085		
1,100.0	1,093.1	1,096.1	1,095.5	2.6	1.9	163.65	25.1	23.5	110.2	106.4	3.83	28.782		
1,200.0	1,191.3	1,194.7	1,193.9	2.9	2.1	163.71	30.1	22.3	126.9	122.7	4.21	30.161		
1,300.0	1,289.5	1,293.3	1,292.4	3.3	2.3	163.76	35.2	21.0	143.7	139.1	4.59	31.302		
1,400.0	1,387.7	1,391.9	1,390.8	3.6	2.5	163.80	40.3	19.7	160.5	155.5	4.97	32.260		
1,500.0	1,486.0	1,490.5	1,489.3	4.0	2.7	163.83	45.3	18.4	177.2	171.9	5.36	33.077		
1,600.0	1,584.2	1,589.0	1,587.7	4.4	2.9	163.86	50.4	17.2	194.0	188.3	5.74	33.780		
1,700.0	1,682.4	1,687.6	1,686.2	4.7	3.1	163.88	55.5	15.9	210.8	204.6	6.13	34.393		
1,800.0	1,780.6	1,786.2	1,784.6	5.1	3.3	163.90	60.5	14.6	227.5	221.0	6.51	34.930		
1,900.0	1,878.9	1,884.8	1,883.1	5.5	3.5	163.92	65.6	13.3	244.3	237.4	6.90	35.406		
2,000.0	1,977.1	1,983.4	1,981.5	5.9	3.7	163.93	70.7	12.0	261.0	253.8	7.29	35.829		
2,100.0	2,075.3	2,082.0	2,080.0	6.2	3.8	163.95	75.7	10.8	277.8	270.1	7.67	36.209		
2,200.0	2,173.5	2,180.6	2,178.4	6.6	4.0	163.96	80.8	9.5	294.6	286.5	8.06	36.552		
2,300.0	2,271.7	2,279.1	2,276.9	7.0	4.2	163.97	85.9	8.2	311.3	302.9	8.45	36.862		
2,400.0	2,370.0	2,377.7	2,375.3	7.3	4.4	163.98	90.9	6.9	328.1	319.3	8.83	37.144		
2,500.0	2,468.2	2,476.3	2,473.7	7.7	4.6	163.98	96.0	5.7	344.9	335.6	9.22	37.402		
2,600.0	2,566.4	2,574.9	2,572.2	8.1	4.8	163.99	101.1	4.4	361.6	352.0	9.61	37.639		
2,700.0	2,664.6	2,673.5	2,670.6	8.5	5.0	164.00	106.1	3.1	378.4	368.4	10.00	37.857		
2,800.0	2,762.9	2,772.1	2,769.1	8.8	5.2	164.00	111.2	1.8	395.1	384.8	10.38	38.058		
2,900.0	2,861.1	2,870.7	2,867.5	9.2	5.4	164.01	116.3	0.6	411.9	401.1	10.77	38.245		
3,000.0	2,959.3	2,969.2	2,966.0	9.6	5.6	164.01	121.3	-0.7	428.7	417.5	11.16	38.418		
3,100.0	3,057.5	3,067.8	3,064.4	10.0	5.8	164.02	126.4	-2.0	445.4	433.9	11.55	38.579		
3,200.0	3,155.8	3,166.4	3,162.9	10.3	6.0	164.02	131.5	-3.3	462.2	450.3	11.93	38.730		
3,300.0	3,254.0	3,265.0	3,261.3	10.7	6.2	164.03	136.5	-4.5	479.0	466.6	12.32	38.871		
3,400.0	3,352.2	3,363.6	3,359.8	11.1	6.4	164.03	141.6	-5.8	495.7	483.0	12.71	39.003		
3,500.0	3,450.4	3,462.2	3,458.2	11.5	6.6	164.03	146.7	-7.1	512.5	499.4	13.10	39.128		
3,600.0	3,548.6	3,560.7	3,556.7	11.8	6.8	164.04	151.7	-8.4	529.3	515.8	13.49	39.245		
3,700.0	3,646.9	3,659.3	3,655.1	12.2	7.0	164.04	156.8	-9.6	546.0	532.1	13.87	39.355		
3,800.0	3,745.1	3,757.9	3,753.6	12.6	7.1	164.04	161.9	-10.9	562.8	548.5	14.26	39.459		
3,900.0	3,843.3	3,856.5	3,852.0	13.0	7.3	164.05	166.9	-12.2	579.5	564.9	14.65	39.558		
4,000.0	3,941.5	3,955.1	3,950.4	13.3	7.5	164.05	172.0	-13.5	596.3	581.3	15.04	39.651		
4,100.0	4,039.8	4,053.7	4,048.9	13.7	7.7	164.05	177.1	-14.7	613.1	597.6	15.43	39.740		
4,200.0	4,138.0	4,152.3	4,147.3	14.1	7.9	164.05	182.1	-16.0	629.8	614.0	15.82	39.824		
4,300.0	4,236.2	4,250.8	4,245.8	14.5	8.1	164.06	187.2	-17.3	646.6	630.4	16.20	39.904		
4,400.0	4,334.4	4,349.4	4,344.2	14.8	8.3	164.06	192.3	-18.6	663.4	646.8	16.59	39.981		
4,500.0	4,432.6	4,448.0	4,442.7	15.2	8.5	164.06	197.3	-19.9	680.1	663.1	16.98	40.054		
4,600.0	4,530.9	4,546.6	4,541.1	15.6	8.7	164.06	202.4	-21.1	696.9	679.5	17.37	40.123		
4,700.0	4,629.1	4,645.2	4,639.6	16.0	8.9	164.06	207.5	-22.4	713.6	695.9	17.76	40.189		
4,800.0	4,727.3	4,743.8	4,738.0	16.3	9.1	164.07	212.5	-23.7	730.4	712.3	18.15	40.253		
4,900.0	4,825.5	4,842.4	4,836.5	16.7	9.3	164.07	217.6	-25.0	747.2	728.6	18.53	40.314		
5,000.0	4,923.8	4,940.9	4,934.9	17.1	9.5	164.07	222.7	-26.2	763.9	745.0	18.92	40.372		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2H-32H-C264 - 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		
5,100.0	5,022.0	5,039.5	5,033.4	17.5	9.7	164.07	227.7	-27.5	780.7	761.4	19.31	40.428		
5,200.0	5,120.2	5,138.1	5,131.8	17.8	9.9	164.07	232.8	-28.8	797.5	777.8	19.70	40.482		
5,300.0	5,218.4	5,236.7	5,230.3	18.2	10.1	164.07	237.9	-30.1	814.2	794.1	20.09	40.533		
5,400.0	5,316.7	5,335.3	5,328.7	18.6	10.3	164.08	242.9	-31.3	831.0	810.5	20.48	40.583		
5,500.0	5,414.9	5,433.9	5,427.1	19.0	10.5	164.08	248.0	-32.6	847.7	826.9	20.86	40.631		
5,600.0	5,513.2	5,532.5	5,525.7	19.3	10.6	164.12	253.1	-33.9	864.1	842.8	21.27	40.625		
5,700.0	5,612.0	5,631.6	5,624.6	19.6	10.8	164.13	258.1	-35.2	877.5	855.8	21.68	40.474		
5,800.0	5,711.3	5,730.1	5,722.9	19.9	11.0	164.06	263.1	-36.4	887.5	865.4	22.07	40.209		
5,900.0	5,810.9	5,826.1	5,818.9	20.1	11.2	164.00	266.9	-37.4	894.6	872.1	22.43	39.887		
6,000.0	5,910.8	5,922.3	5,915.1	20.2	11.4	163.97	269.0	-37.9	898.7	875.9	22.75	39.509		
6,100.0	6,010.8	6,019.1	6,011.8	20.3	11.5	90.02	269.6	-38.1	899.8	876.8	23.03	39.065		
6,200.0	6,110.8	6,119.1	6,111.8	20.4	11.7	90.02	269.6	-38.1	899.8	876.5	23.35	38.531		
6,300.0	6,210.8	6,219.1	6,211.8	20.5	11.8	90.02	269.6	-38.1	899.8	876.2	23.67	38.010		
6,400.0	6,310.8	6,319.1	6,311.8	20.6	12.0	90.02	269.6	-38.1	899.8	875.8	23.99	37.501		
6,458.5	6,369.4	6,377.6	6,370.4	20.6	12.1	90.02	269.6	-38.1	899.8	875.6	24.18	37.209		
6,500.0	6,410.8	6,419.0	6,411.8	20.7	12.1	90.07	268.9	-38.1	899.8	875.5	24.30	37.037		
6,600.0	6,510.8	6,517.1	6,508.8	20.7	12.2	-89.15	255.5	-38.1	899.9	875.5	24.39	36.894		
6,700.0	6,609.5	6,612.4	6,599.6	20.8	12.2	-88.19	226.7	-38.1	900.3	876.0	24.30	37.043		
6,800.0	6,704.0	6,705.6	6,682.5	20.7	12.1	-87.30	184.5	-38.1	900.8	876.7	24.15	37.303		
6,900.0	6,791.4	6,796.9	6,756.1	20.7	12.0	-86.49	130.7	-38.1	901.5	877.5	24.04	37.507		
7,000.0	6,869.2	6,886.7	6,819.3	20.7	12.1	-85.78	67.0	-38.1	902.3	878.2	24.07	37.480		
7,100.0	6,934.8	6,975.2	6,871.1	20.7	12.2	-85.19	-4.7	-38.1	903.0	878.7	24.35	37.092		
7,200.0	6,986.5	7,062.8	6,910.8	20.8	12.5	-84.74	-82.7	-38.1	903.7	878.7	24.91	36.278		
7,300.0	7,022.5	7,150.0	6,938.2	21.1	12.9	-84.42	-165.4	-38.1	904.1	878.3	25.79	35.056		
7,400.0	7,041.7	7,236.1	6,952.5	21.5	13.5	-84.25	-250.2	-38.1	904.4	877.4	26.99	33.511		
7,500.0	7,045.0	7,327.7	6,955.0	22.0	14.3	-84.23	-341.7	-38.1	904.4	875.9	28.56	31.663		
7,600.0	7,045.0	7,427.7	6,955.0	22.7	15.3	-84.23	-441.7	-38.1	904.4	873.9	30.56	29.590		
7,700.0	7,045.0	7,527.7	6,955.0	23.4	16.4	-84.23	-541.7	-38.1	904.4	871.6	32.82	27.560		
7,800.0	7,045.0	7,627.7	6,955.0	24.3	17.7	-84.23	-641.7	-38.1	904.4	869.1	35.27	25.642		
7,900.0	7,045.0	7,727.7	6,955.0	25.3	19.0	-84.23	-741.7	-38.1	904.4	866.5	37.89	23.871		
8,000.0	7,045.0	7,827.7	6,955.0	26.3	20.4	-84.23	-841.7	-38.1	904.4	863.8	40.64	22.256		
8,100.0	7,045.0	7,927.7	6,955.0	27.4	21.8	-84.23	-941.7	-38.1	904.4	860.9	43.49	20.795		
8,200.0	7,045.0	8,027.7	6,955.0	28.6	23.3	-84.23	-1,041.7	-38.1	904.4	858.0	46.43	19.477		
8,300.0	7,045.0	8,127.7	6,955.0	29.9	24.8	-84.23	-1,141.7	-38.1	904.4	855.0	49.45	18.290		
8,400.0	7,045.0	8,227.7	6,955.0	31.2	26.4	-84.23	-1,241.7	-38.1	904.4	851.9	52.52	17.220		
8,500.0	7,045.0	8,327.7	6,955.0	32.5	27.9	-84.23	-1,341.7	-38.1	904.4	848.8	55.64	16.254		
8,600.0	7,045.0	8,427.7	6,955.0	33.9	29.5	-84.23	-1,441.7	-38.1	904.4	845.6	58.81	15.379		
8,700.0	7,045.0	8,527.7	6,955.0	35.3	31.1	-84.23	-1,541.7	-38.1	904.4	842.4	62.01	14.586		
8,800.0	7,045.0	8,627.7	6,955.0	36.7	32.7	-84.23	-1,641.7	-38.1	904.4	839.2	65.24	13.864		
8,900.0	7,045.0	8,727.7	6,955.0	38.2	34.4	-84.23	-1,741.7	-38.1	904.4	835.9	68.49	13.205		
9,000.0	7,045.0	8,827.7	6,955.0	39.7	36.0	-84.23	-1,841.7	-38.1	904.4	832.6	71.77	12.602		
9,100.0	7,045.0	8,927.7	6,955.0	41.2	37.7	-84.23	-1,941.7	-38.1	904.4	829.3	75.06	12.049		
9,200.0	7,045.0	9,027.7	6,955.0	42.7	39.3	-84.23	-2,041.7	-38.1	904.4	826.0	78.38	11.539		
9,300.0	7,045.0	9,127.7	6,955.0	44.3	41.0	-84.23	-2,141.7	-38.1	904.4	822.7	81.70	11.069		
9,400.0	7,045.0	9,227.7	6,955.0	45.8	42.7	-84.23	-2,241.7	-38.1	904.4	819.4	85.04	10.635		
9,500.0	7,045.0	9,327.7	6,955.0	47.4	44.4	-84.23	-2,341.7	-38.1	904.4	816.0	88.40	10.231		
9,600.0	7,045.0	9,427.7	6,955.0	49.0	46.1	-84.23	-2,441.7	-38.1	904.4	812.6	91.76	9.856		
9,700.0	7,045.0	9,527.7	6,955.0	50.6	47.8	-84.23	-2,541.7	-38.1	904.4	809.3	95.13	9.507		
9,800.0	7,045.0	9,627.7	6,955.0	52.2	49.5	-84.23	-2,641.7	-38.1	904.4	805.9	98.51	9.181		
9,900.0	7,045.0	9,727.7	6,955.0	53.8	51.2	-84.23	-2,741.7	-38.1	904.4	802.5	101.90	8.876		
10,000.0	7,045.0	9,827.7	6,955.0	55.4	52.9	-84.23	-2,841.7	-38.1	904.4	799.1	105.29	8.589		
10,100.0	7,045.0	9,927.7	6,955.0	57.1	54.6	-84.23	-2,941.7	-38.1	904.4	795.7	108.69	8.321		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2H-32H-C264 - 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		
10,200.0	7,045.0	10,027.7	6,955.0	58.7	56.3	-84.23	-3,041.7	-38.1	904.4	792.3	112.10	8.068		
10,300.0	7,045.0	10,127.7	6,955.0	60.4	58.0	-84.23	-3,141.7	-38.1	904.4	788.9	115.51	7.830		
10,400.0	7,045.0	10,227.7	6,955.0	62.0	59.7	-84.23	-3,241.7	-38.1	904.4	785.5	118.92	7.605		
10,500.0	7,045.0	10,327.7	6,955.0	63.7	61.4	-84.23	-3,341.7	-38.1	904.4	782.1	122.34	7.392		
10,600.0	7,045.0	10,427.7	6,955.0	65.3	63.2	-84.23	-3,441.7	-38.1	904.4	778.6	125.77	7.191		
10,700.0	7,045.0	10,527.7	6,955.0	67.0	64.9	-84.23	-3,541.7	-38.1	904.4	775.2	129.20	7.000		
10,800.0	7,045.0	10,627.7	6,955.0	68.7	66.6	-84.23	-3,641.7	-38.1	904.4	771.8	132.63	6.819		
10,900.0	7,045.0	10,727.7	6,955.0	70.3	68.3	-84.23	-3,741.7	-38.1	904.4	768.3	136.06	6.647		
11,000.0	7,045.0	10,827.7	6,955.0	72.0	70.1	-84.23	-3,841.7	-38.1	904.4	764.9	139.50	6.483		
11,100.0	7,045.0	10,927.7	6,955.0	73.7	71.8	-84.23	-3,941.7	-38.1	904.4	761.5	142.94	6.327		
11,200.0	7,045.0	11,027.7	6,955.0	75.4	73.5	-84.23	-4,041.7	-38.1	904.4	758.0	146.38	6.179		
11,300.0	7,045.0	11,127.7	6,955.0	77.1	75.3	-84.23	-4,141.7	-38.1	904.4	754.6	149.82	6.037		
11,400.0	7,045.0	11,227.7	6,955.0	78.8	77.0	-84.23	-4,241.7	-38.1	904.4	751.1	153.27	5.901		
11,500.0	7,045.0	11,327.7	6,955.0	80.5	78.7	-84.23	-4,341.7	-38.1	904.4	747.7	156.71	5.771		
11,600.0	7,045.0	11,427.7	6,955.0	82.2	80.5	-84.23	-4,441.7	-38.1	904.4	744.2	160.16	5.647		
11,700.0	7,045.0	11,527.7	6,955.0	83.9	82.2	-84.23	-4,541.7	-38.1	904.4	740.8	163.61	5.528		
11,707.0	7,045.0	11,534.7	6,955.0	84.0	82.3	-84.23	-4,548.7	-38.1	904.4	740.5	163.86	5.519 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2I-32H-C264 - 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	2.0	2.0	0.0	0.0	90.56	-0.4	37.5	37.5					
100.0	100.0	102.0	102.0	0.1	0.1	90.56	-0.4	37.5	37.5	37.2	0.25	151.255		
200.0	200.0	202.0	202.0	0.3	0.3	90.56	-0.4	37.5	37.5	36.9	0.60	62.802		
300.0	300.0	302.0	302.0	0.5	0.5	90.56	-0.4	37.5	37.5	36.5	0.95	39.628 CC		
328.4	328.4	330.4	330.4	0.5	0.5	164.53	-0.4	37.5	37.6	36.5	1.05	35.931 ES		
400.0	400.0	402.0	402.0	0.6	0.6	164.67	-0.4	37.5	37.9	36.6	1.29	29.274		
500.0	499.9	501.6	501.6	0.8	0.8	164.82	0.4	37.9	41.7	40.1	1.64	25.380		
600.0	599.7	600.9	600.8	1.0	1.0	164.21	2.7	39.2	49.7	47.7	1.99	24.925 SF		
700.0	699.1	699.7	699.5	1.3	1.2	163.23	6.5	41.3	61.8	59.5	2.35	26.333		
800.0	798.2	798.1	797.9	1.5	1.4	162.43	11.4	44.0	78.0	75.3	2.71	28.782		
900.0	896.6	896.2	895.8	1.9	1.6	162.44	16.5	46.8	97.4	94.4	3.07	31.693		
1,000.0	994.9	994.0	993.4	2.2	1.8	162.73	21.5	49.6	118.3	114.8	3.45	34.276		
1,100.0	1,093.1	1,091.8	1,091.0	2.6	1.9	162.93	26.5	52.4	139.1	135.2	3.83	36.331		
1,200.0	1,191.3	1,189.7	1,188.7	2.9	2.1	163.08	31.5	55.1	159.9	155.7	4.21	38.003		
1,300.0	1,289.5	1,287.5	1,286.3	3.3	2.3	163.20	36.5	57.9	180.7	176.1	4.59	39.388		
1,400.0	1,387.7	1,385.3	1,384.0	3.6	2.5	163.29	41.5	60.7	201.5	196.6	4.97	40.554		
1,500.0	1,486.0	1,483.1	1,481.6	4.0	2.7	163.37	46.5	63.5	222.3	217.0	5.35	41.548		
1,600.0	1,584.2	1,580.9	1,579.2	4.4	2.9	163.43	51.5	66.2	243.2	237.4	5.73	42.405		
1,700.0	1,682.4	1,678.7	1,676.9	4.7	3.1	163.48	56.5	69.0	264.0	257.9	6.12	43.152		
1,800.0	1,780.6	1,776.5	1,774.5	5.1	3.3	163.53	61.5	71.8	284.8	278.3	6.50	43.808		
1,900.0	1,878.9	1,874.3	1,872.2	5.5	3.5	163.57	66.5	74.6	305.6	298.7	6.89	44.389		
2,000.0	1,977.1	1,972.1	1,969.8	5.9	3.7	163.60	71.5	77.4	326.5	319.2	7.27	44.907		
2,100.0	2,075.3	2,069.9	2,067.4	6.2	3.9	163.63	76.5	80.1	347.3	339.6	7.65	45.372		
2,200.0	2,173.5	2,167.7	2,165.1	6.6	4.1	163.66	81.6	82.9	368.1	360.1	8.04	45.791		
2,300.0	2,271.7	2,265.5	2,262.7	7.0	4.3	163.68	86.6	85.7	388.9	380.5	8.42	46.171		
2,400.0	2,370.0	2,363.4	2,360.4	7.3	4.5	163.70	91.6	88.5	409.7	400.9	8.81	46.518		
2,500.0	2,468.2	2,461.2	2,458.0	7.7	4.7	163.72	96.6	91.2	430.6	421.4	9.19	46.834		
2,600.0	2,566.4	2,559.0	2,555.6	8.1	4.9	163.74	101.6	94.0	451.4	441.8	9.58	47.124		
2,700.0	2,664.6	2,656.8	2,653.3	8.5	5.1	163.75	106.6	96.8	472.2	462.2	9.96	47.392		
2,800.0	2,762.9	2,754.6	2,750.9	8.8	5.3	163.77	111.6	99.6	493.0	482.7	10.35	47.639		
2,900.0	2,861.1	2,852.4	2,848.6	9.2	5.5	163.78	116.6	102.3	513.9	503.1	10.73	47.868		
3,000.0	2,959.3	2,950.2	2,946.2	9.6	5.7	163.79	121.6	105.1	534.7	523.6	11.12	48.081		
3,100.0	3,057.5	3,048.0	3,043.9	10.0	5.9	163.81	126.6	107.9	555.5	544.0	11.51	48.280		
3,200.0	3,155.8	3,145.8	3,141.5	10.3	6.1	163.82	131.6	110.7	576.3	564.4	11.89	48.465		
3,300.0	3,254.0	3,243.6	3,239.1	10.7	6.3	163.83	136.6	113.4	597.1	584.9	12.28	48.639		
3,400.0	3,352.2	3,341.4	3,336.8	11.1	6.5	163.83	141.7	116.2	618.0	605.3	12.66	48.801		
3,500.0	3,450.4	3,439.2	3,434.4	11.5	6.7	163.84	146.7	119.0	638.8	625.7	13.05	48.954		
3,600.0	3,548.6	3,537.0	3,532.1	11.8	6.9	163.85	151.7	121.8	659.6	646.2	13.43	49.098		
3,700.0	3,646.9	3,634.9	3,629.7	12.2	7.1	163.86	156.7	124.6	680.4	666.6	13.82	49.234		
3,800.0	3,745.1	3,732.7	3,727.3	12.6	7.2	163.87	161.7	127.3	701.3	687.0	14.21	49.363		
3,900.0	3,843.3	3,830.5	3,825.0	13.0	7.4	163.87	166.7	130.1	722.1	707.5	14.59	49.484		
4,000.0	3,941.5	3,928.3	3,922.6	13.3	7.6	163.88	171.7	132.9	742.9	727.9	14.98	49.599		
4,100.0	4,039.8	4,026.1	4,020.3	13.7	7.8	163.88	176.7	135.7	763.7	748.4	15.36	49.708		
4,200.0	4,138.0	4,123.9	4,117.9	14.1	8.0	163.89	181.7	138.4	784.5	768.8	15.75	49.812		
4,300.0	4,236.2	4,221.7	4,215.5	14.5	8.2	163.90	186.7	141.2	805.4	789.2	16.14	49.911		
4,400.0	4,334.4	4,319.5	4,313.2	14.8	8.4	163.90	191.7	144.0	826.2	809.7	16.52	50.005		
4,500.0	4,432.6	4,417.3	4,410.8	15.2	8.6	163.91	196.7	146.8	847.0	830.1	16.91	50.095		
4,600.0	4,530.9	4,515.1	4,508.5	15.6	8.8	163.91	201.7	149.5	867.8	850.5	17.29	50.181		
4,700.0	4,629.1	4,612.9	4,606.1	16.0	9.0	163.91	206.8	152.3	888.7	871.0	17.68	50.263		
4,800.0	4,727.3	4,710.7	4,703.7	16.3	9.2	163.92	211.8	155.1	909.5	891.4	18.07	50.341		
4,900.0	4,825.5	4,808.6	4,801.4	16.7	9.4	163.92	216.8	157.9	930.3	911.8	18.45	50.416		
5,000.0	4,923.8	4,906.4	4,899.0	17.1	9.6	163.93	221.8	160.6	951.1	932.3	18.84	50.488		

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

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design												S32-T2N-R64W (Newman) - Newman 2I-32H-C264 - 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	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
5,100.0	5,022.0	5,004.2	4,996.7	17.5	9.8	163.93	226.8	163.4	971.9	952.7	19.22	50.557					
5,200.0	5,120.2	5,102.0	5,094.3	17.8	10.0	163.93	231.8	166.2	992.8	973.2	19.61	50.623					



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2J-32H-C264 - 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	2.0	2.0	0.0	0.0	90.48	-0.4	45.0	45.0					
100.0	100.0	102.0	102.0	0.1	0.1	90.48	-0.4	45.0	45.0	44.8	0.25	181.729		
200.0	200.0	202.0	202.0	0.3	0.3	90.48	-0.4	45.0	45.0	44.4	0.60	75.455		
300.0	300.0	302.0	302.0	0.5	0.5	90.48	-0.4	45.0	45.0	44.1	0.95	47.612 CC		
327.0	327.0	329.0	329.0	0.5	0.5	164.44	-0.4	45.0	45.1	44.1	1.04	43.361 ES		
400.0	400.0	401.7	401.7	0.6	0.6	164.39	-0.2	45.2	45.6	44.4	1.29	35.266		
500.0	499.9	500.9	500.9	0.8	0.8	164.23	0.8	46.6	50.4	48.8	1.64	30.708		
600.0	599.7	600.0	599.9	1.0	1.0	164.00	2.9	49.4	59.9	57.9	1.99	30.102 SF		
700.0	699.1	697.7	697.5	1.3	1.2	163.76	5.9	53.5	74.1	71.8	2.34	31.673		
800.0	798.2	794.8	794.3	1.5	1.4	163.53	9.8	58.9	93.0	90.3	2.69	34.515		
900.0	896.6	891.1	890.3	1.9	1.6	163.37	14.7	65.5	116.4	113.3	3.05	38.113		
1,000.0	994.9	988.0	986.8	2.2	1.8	163.44	19.8	72.4	141.4	137.9	3.43	41.267		
1,100.0	1,093.1	1,084.8	1,083.2	2.6	2.0	163.49	24.8	79.3	166.4	162.6	3.80	43.775		
1,200.0	1,191.3	1,181.6	1,179.7	2.9	2.2	163.52	29.9	86.2	191.3	187.2	4.18	45.811		
1,300.0	1,289.5	1,278.4	1,276.1	3.3	2.4	163.55	34.9	93.1	216.3	211.8	4.55	47.496		
1,400.0	1,387.7	1,375.3	1,372.6	3.6	2.7	163.57	40.0	99.9	241.3	236.4	4.93	48.911		
1,500.0	1,486.0	1,472.1	1,469.0	4.0	2.9	163.59	45.1	106.8	266.3	261.0	5.31	50.116		
1,600.0	1,584.2	1,568.9	1,565.5	4.4	3.1	163.60	50.1	113.7	291.3	285.6	5.69	51.154		
1,700.0	1,682.4	1,665.8	1,661.9	4.7	3.3	163.61	55.2	120.6	316.3	310.2	6.08	52.058		
1,800.0	1,780.6	1,762.6	1,758.4	5.1	3.6	163.62	60.3	127.5	341.2	334.8	6.46	52.850		
1,900.0	1,878.9	1,859.4	1,854.8	5.5	3.8	163.63	65.3	134.4	366.2	359.4	6.84	53.552		
2,000.0	1,977.1	1,956.2	1,951.3	5.9	4.0	163.64	70.4	141.2	391.2	384.0	7.22	54.176		
2,100.0	2,075.3	2,053.1	2,047.7	6.2	4.2	163.64	75.4	148.1	416.2	408.6	7.60	54.736		
2,200.0	2,173.5	2,149.9	2,144.2	6.6	4.4	163.65	80.5	155.0	441.2	433.2	7.99	55.240		
2,300.0	2,271.7	2,246.7	2,240.6	7.0	4.7	163.66	85.6	161.9	466.2	457.8	8.37	55.697		
2,400.0	2,370.0	2,343.6	2,337.1	7.3	4.9	163.66	90.6	168.8	491.1	482.4	8.75	56.113		
2,500.0	2,468.2	2,440.4	2,433.6	7.7	5.1	163.66	95.7	175.7	516.1	507.0	9.14	56.493		
2,600.0	2,566.4	2,537.2	2,530.0	8.1	5.3	163.67	100.8	182.6	541.1	531.6	9.52	56.842		
2,700.0	2,664.6	2,634.0	2,626.5	8.5	5.6	163.67	105.8	189.4	566.1	556.2	9.90	57.163		
2,800.0	2,762.9	2,730.9	2,722.9	8.8	5.8	163.68	110.9	196.3	591.1	580.8	10.29	57.459		
2,900.0	2,861.1	2,827.7	2,819.4	9.2	6.0	163.68	116.0	203.2	616.1	605.4	10.67	57.734		
3,000.0	2,959.3	2,924.5	2,915.8	9.6	6.2	163.68	121.0	210.1	641.1	630.0	11.05	57.989		
3,100.0	3,057.5	3,021.4	3,012.3	10.0	6.5	163.68	126.1	217.0	666.0	654.6	11.44	58.226		
3,200.0	3,155.8	3,118.2	3,108.7	10.3	6.7	163.69	131.1	223.9	691.0	679.2	11.82	58.448		
3,300.0	3,254.0	3,215.0	3,205.2	10.7	6.9	163.69	136.2	230.7	716.0	703.8	12.21	58.655		
3,400.0	3,352.2	3,311.8	3,301.6	11.1	7.1	163.69	141.3	237.6	741.0	728.4	12.59	58.850		
3,500.0	3,450.4	3,408.7	3,398.1	11.5	7.4	163.69	146.3	244.5	766.0	753.0	12.98	59.033		
3,600.0	3,548.6	3,505.5	3,494.5	11.8	7.6	163.69	151.4	251.4	791.0	777.6	13.36	59.205		
3,700.0	3,646.9	3,602.3	3,591.0	12.2	7.8	163.70	156.5	258.3	815.9	802.2	13.74	59.367		
3,800.0	3,745.1	3,699.2	3,687.4	12.6	8.0	163.70	161.5	265.2	840.9	826.8	14.13	59.520		
3,900.0	3,843.3	3,796.0	3,783.9	13.0	8.3	163.70	166.6	272.0	865.9	851.4	14.51	59.665		
4,000.0	3,941.5	3,892.8	3,880.3	13.3	8.5	163.70	171.6	278.9	890.9	876.0	14.90	59.803		
4,100.0	4,039.8	3,989.6	3,976.8	13.7	8.7	163.70	176.7	285.8	915.9	900.6	15.28	59.933		
4,200.0	4,138.0	4,086.5	4,073.2	14.1	8.9	163.70	181.8	292.7	940.9	925.2	15.67	60.057		
4,300.0	4,236.2	4,183.3	4,169.7	14.5	9.2	163.70	186.8	299.6	965.8	949.8	16.05	60.175		
4,400.0	4,334.4	4,280.1	4,266.1	14.8	9.4	163.71	191.9	306.5	990.8	974.4	16.44	60.287		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2K-32H-C264 - 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	2.0	2.0	0.0	0.0	90.43	-0.4	52.3	52.3					
100.0	100.0	102.0	102.0	0.1	0.1	90.43	-0.4	52.3	52.3	52.1	0.25	211.075		
200.0	200.0	202.0	202.0	0.3	0.3	90.43	-0.4	52.3	52.3	51.7	0.60	87.640		
266.0	266.0	268.0	268.0	0.4	0.4	90.43	-0.4	52.3	52.3	51.5	0.83	63.237 CC		
300.0	300.0	302.0	302.0	0.5	0.5	90.43	-0.4	52.3	52.3	51.4	0.95	55.302 ES		
400.0	400.0	401.1	401.1	0.6	0.6	164.08	0.0	53.1	53.5	52.3	1.29	41.395		
500.0	499.9	500.0	500.0	0.8	0.8	163.90	1.1	55.5	59.3	57.6	1.64	36.135		
600.0	599.7	598.5	598.4	1.0	1.0	163.94	2.9	59.4	69.9	67.9	1.99	35.170 SF		
700.0	699.1	696.1	695.8	1.3	1.2	164.08	5.3	64.7	85.4	83.1	2.34	36.569		
800.0	798.2	792.6	791.9	1.5	1.4	164.26	8.5	71.5	105.7	103.1	2.68	39.384		
900.0	896.6	887.6	886.6	1.9	1.6	164.43	12.2	79.6	130.8	127.8	3.04	43.082		
1,000.0	994.9	981.5	979.9	2.2	1.9	164.52	16.6	89.1	158.6	155.2	3.40	46.670		
1,100.0	1,093.1	1,075.6	1,073.3	2.6	2.1	164.38	21.5	99.8	187.7	184.0	3.77	49.855		
1,200.0	1,191.3	1,171.2	1,168.1	2.9	2.3	164.24	26.7	111.0	217.2	213.0	4.14	52.472		
1,300.0	1,289.5	1,266.8	1,262.8	3.3	2.6	164.14	31.9	122.2	246.6	242.1	4.51	54.637		
1,400.0	1,387.7	1,362.4	1,357.6	3.6	2.9	164.06	37.0	133.3	276.0	271.1	4.89	56.455		
1,500.0	1,486.0	1,457.9	1,452.4	4.0	3.1	163.99	42.2	144.5	305.4	300.1	5.27	58.001		
1,600.0	1,584.2	1,553.5	1,547.2	4.4	3.4	163.93	47.3	155.7	334.8	329.2	5.64	59.332		
1,700.0	1,682.4	1,649.1	1,641.9	4.7	3.7	163.89	52.5	166.9	364.2	358.2	6.02	60.489		
1,800.0	1,780.6	1,744.7	1,736.7	5.1	3.9	163.85	57.7	178.0	393.6	387.2	6.40	61.504		
1,900.0	1,878.9	1,840.2	1,831.5	5.5	4.2	163.81	62.8	189.2	423.1	416.3	6.78	62.401		
2,000.0	1,977.1	1,935.8	1,926.3	5.9	4.5	163.78	68.0	200.4	452.5	445.3	7.16	63.199		
2,100.0	2,075.3	2,031.4	2,021.1	6.2	4.7	163.76	73.1	211.6	481.9	474.4	7.54	63.914		
2,200.0	2,173.5	2,127.0	2,115.8	6.6	5.0	163.74	78.3	222.8	511.3	503.4	7.92	64.558		
2,300.0	2,271.7	2,222.5	2,210.6	7.0	5.3	163.71	83.5	233.9	540.7	532.4	8.30	65.141		
2,400.0	2,370.0	2,318.1	2,305.4	7.3	5.5	163.70	88.6	245.1	570.1	561.5	8.68	65.672		
2,500.0	2,468.2	2,413.7	2,400.2	7.7	5.8	163.68	93.8	256.3	599.6	590.5	9.06	66.156		
2,600.0	2,566.4	2,509.3	2,495.0	8.1	6.1	163.66	98.9	267.5	629.0	619.5	9.44	66.600		
2,700.0	2,664.6	2,604.8	2,589.7	8.5	6.4	163.65	104.1	278.6	658.4	648.6	9.83	67.008		
2,800.0	2,762.9	2,700.4	2,684.5	8.8	6.6	163.64	109.3	289.8	687.8	677.6	10.21	67.386		
2,900.0	2,861.1	2,796.0	2,779.3	9.2	6.9	163.63	114.4	301.0	717.2	706.6	10.59	67.735		
3,000.0	2,959.3	2,891.6	2,874.1	9.6	7.2	163.62	119.6	312.2	746.6	735.7	10.97	68.059		
3,100.0	3,057.5	2,987.1	2,968.9	10.0	7.4	163.61	124.7	323.3	776.1	764.7	11.35	68.361		
3,200.0	3,155.8	3,082.7	3,063.6	10.3	7.7	163.60	129.9	334.5	805.5	793.7	11.73	68.643		
3,300.0	3,254.0	3,178.3	3,158.4	10.7	8.0	163.59	135.1	345.7	834.9	822.8	12.12	68.906		
3,400.0	3,352.2	3,273.9	3,253.2	11.1	8.2	163.58	140.2	356.9	864.3	851.8	12.50	69.153		
3,500.0	3,450.4	3,369.4	3,348.0	11.5	8.5	163.57	145.4	368.1	893.7	880.8	12.88	69.385		
3,600.0	3,548.6	3,465.0	3,442.8	11.8	8.8	163.57	150.6	379.2	923.1	909.9	13.26	69.604		
3,700.0	3,646.9	3,560.6	3,537.5	12.2	9.1	163.56	155.7	390.4	952.6	938.9	13.65	69.810		
3,800.0	3,745.1	3,656.2	3,632.3	12.6	9.3	163.55	160.9	401.6	982.0	967.9	14.03	70.004		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S32-T2N-R64W (Newman) - Newman 2L-32H-C264 - 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	2.0	2.0	0.0	0.0	90.69	-0.7	59.9	59.9					
100.0	100.0	102.0	102.0	0.1	0.1	90.69	-0.7	59.9	59.9	59.6	0.25	241.562		
200.0	200.0	202.0	202.0	0.3	0.3	90.69	-0.7	59.9	59.9	59.3	0.60	100.298		
230.6	230.6	232.6	232.6	0.4	0.4	90.69	-0.7	59.9	59.9	59.2	0.70	85.086 CC		
300.0	300.0	301.5	301.5	0.5	0.5	90.61	-0.6	60.1	60.1	59.1	0.95	63.574 ES		
400.0	400.0	400.0	400.0	0.6	0.6	164.12	-0.1	61.7	62.2	60.9	1.29	48.138		
500.0	499.9	499.2	499.1	0.8	0.8	163.95	1.0	65.0	68.8	67.2	1.64	41.988		
600.0	599.7	597.3	597.1	1.0	1.0	164.07	2.6	69.8	80.4	78.5	1.99	40.514 SF		
700.0	699.1	694.5	694.0	1.3	1.2	164.36	4.8	76.2	97.0	94.7	2.33	41.594		
800.0	798.2	790.5	789.7	1.5	1.4	164.69	7.4	84.0	118.4	115.7	2.68	44.217		
900.0	896.6	884.9	883.6	1.9	1.7	165.01	10.5	93.2	144.6	141.6	3.02	47.814		
1,000.0	994.9	978.2	976.2	2.2	1.9	165.26	14.0	103.7	173.6	170.2	3.38	51.350		
1,100.0	1,093.1	1,070.6	1,067.8	2.6	2.2	165.29	18.0	115.5	204.1	200.3	3.74	54.567		
1,200.0	1,191.3	1,162.1	1,158.2	2.9	2.4	165.18	22.4	128.5	235.9	231.8	4.10	57.537		
1,300.0	1,289.5	1,252.6	1,247.5	3.3	2.7	164.98	27.2	142.8	269.3	264.8	4.46	60.321		
1,400.0	1,387.7	1,346.1	1,339.5	3.6	3.0	164.75	32.4	158.4	303.4	298.6	4.83	62.762		
1,500.0	1,486.0	1,440.0	1,432.0	4.0	3.3	164.57	37.7	174.1	337.6	332.4	5.21	64.833		
1,600.0	1,584.2	1,534.0	1,524.5	4.4	3.7	164.43	43.0	189.7	371.8	366.2	5.58	66.614		
1,700.0	1,682.4	1,628.0	1,617.0	4.7	4.0	164.30	48.3	205.4	406.0	400.0	5.96	68.163		
1,800.0	1,780.6	1,722.0	1,709.5	5.1	4.3	164.20	53.5	221.1	440.2	433.8	6.33	69.522		
1,900.0	1,878.9	1,815.9	1,802.0	5.5	4.6	164.11	58.8	236.8	474.4	467.6	6.71	70.722		
2,000.0	1,977.1	1,909.9	1,894.5	5.9	5.0	164.04	64.1	252.4	508.5	501.5	7.08	71.791		
2,100.0	2,075.3	2,003.9	1,987.0	6.2	5.3	163.97	69.4	268.1	542.7	535.3	7.46	72.748		
2,200.0	2,173.5	2,097.9	2,079.5	6.6	5.6	163.91	74.7	283.8	576.9	569.1	7.84	73.609		
2,300.0	2,271.7	2,191.8	2,172.1	7.0	6.0	163.86	79.9	299.5	611.1	602.9	8.22	74.389		
2,400.0	2,370.0	2,285.8	2,264.6	7.3	6.3	163.81	85.2	315.1	645.3	636.7	8.59	75.099		
2,500.0	2,468.2	2,379.8	2,357.1	7.7	6.6	163.77	90.5	330.8	679.5	670.5	8.97	75.746		
2,600.0	2,566.4	2,473.7	2,449.6	8.1	6.9	163.73	95.8	346.5	713.7	704.3	9.35	76.340		
2,700.0	2,664.6	2,567.7	2,542.1	8.5	7.3	163.70	101.0	362.2	747.9	738.2	9.73	76.887		
2,800.0	2,762.9	2,661.7	2,634.6	8.8	7.6	163.67	106.3	377.9	782.1	772.0	10.11	77.391		
2,900.0	2,861.1	2,755.7	2,727.1	9.2	7.9	163.64	111.6	393.5	816.3	805.8	10.48	77.858		
3,000.0	2,959.3	2,849.6	2,819.6	9.6	8.3	163.61	116.9	409.2	850.5	839.6	10.86	78.291		
3,100.0	3,057.5	2,943.6	2,912.1	10.0	8.6	163.59	122.1	424.9	884.7	873.4	11.24	78.695		
3,200.0	3,155.8	3,037.6	3,004.6	10.3	8.9	163.56	127.4	440.6	918.9	907.2	11.62	79.072		
3,300.0	3,254.0	3,131.5	3,097.1	10.7	9.3	163.54	132.7	456.2	953.0	941.0	12.00	79.424		
3,400.0	3,352.2	3,225.5	3,189.6	11.1	9.6	163.52	138.0	471.9	987.2	974.9	12.38	79.754		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2D-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2D-32H-C264	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	HZ	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to WELL @ 4983.0ft (Original Well Elev)

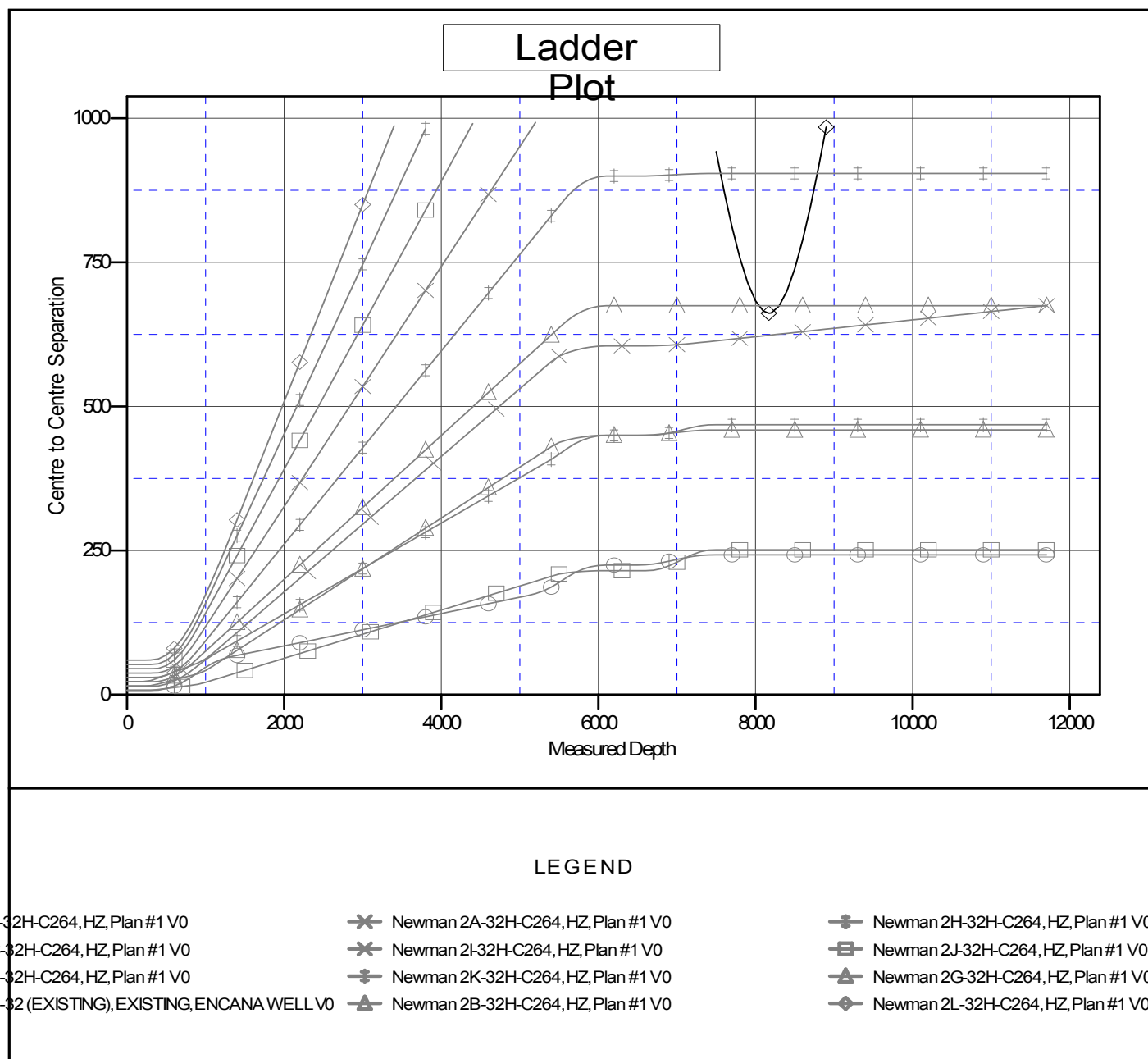
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Newman 2D-32H-C264

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.60°



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