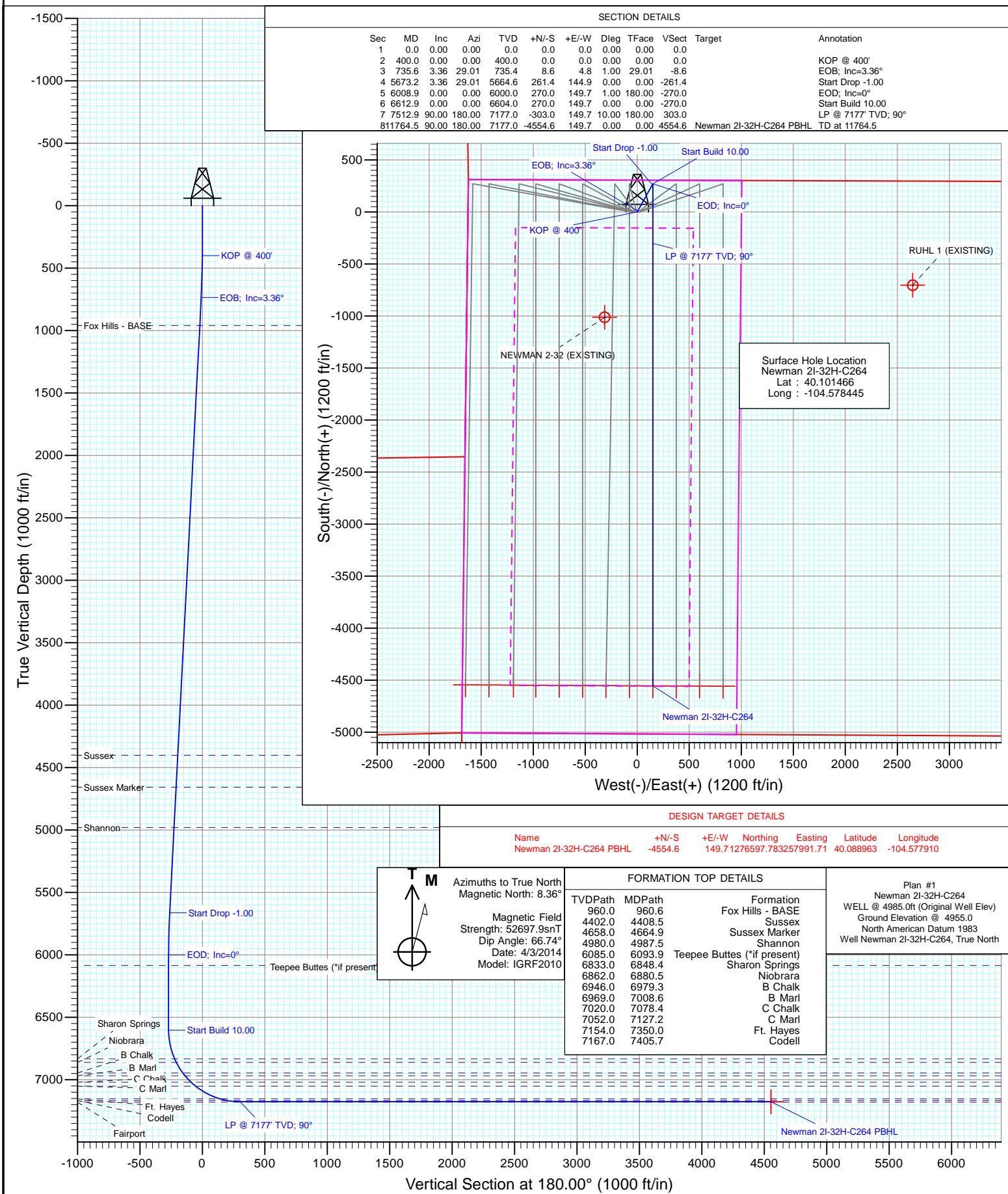




Project: DJ Wattenberg  
Site: S32-T2N-R64W (Newman)  
Well: Newman 2I-32H-C264  
Wellbore: HZ  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2I-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 2I-32H-C264					
Well Position	+N/-S	0.0 ft	Northing:	1,281,150.53 ft	Latitude:	40.101466
	+E/-W	0.0 ft	Easting:	3,257,794.69 ft	Longitude:	-104.578445
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,955.0 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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
735.6	3.36	29.01	735.4	8.6	4.8	1.00	1.00	0.00	29.01	
5,673.2	3.36	29.01	5,664.6	261.4	144.9	0.00	0.00	0.00	0.00	
6,008.9	0.00	0.00	6,000.0	270.0	149.7	1.00	-1.00	0.00	180.00	
6,612.9	0.00	0.00	6,604.0	270.0	149.7	0.00	0.00	0.00	0.00	
7,512.9	90.00	180.00	7,177.0	-303.0	149.7	10.00	10.00	0.00	180.00	
11,764.5	90.00	180.00	7,177.0	-4,554.6	149.7	0.00	0.00	0.00	0.00	Newman 2I-32H-C264

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2I-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	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	KOP @ 400'
500.0	1.00	29.01	500.0	0.8	0.4	-0.8	1.00	1.00	
600.0	2.00	29.01	600.0	3.1	1.7	-3.1	1.00	1.00	
700.0	3.00	29.01	699.9	6.9	3.8	-6.9	1.00	1.00	
735.6	3.36	29.01	735.4	8.6	4.8	-8.6	1.00	1.00	EOB; Inc=3.36°
800.0	3.36	29.01	799.7	11.9	6.6	-11.9	0.00	0.00	
900.0	3.36	29.01	899.5	17.0	9.4	-17.0	0.00	0.00	
960.6	3.36	29.01	960.0	20.1	11.2	-20.1	0.00	0.00	Fox Hills - BASE
1,000.0	3.36	29.01	999.4	22.1	12.3	-22.1	0.00	0.00	
1,100.0	3.36	29.01	1,099.2	27.3	15.1	-27.3	0.00	0.00	
1,200.0	3.36	29.01	1,199.0	32.4	17.9	-32.4	0.00	0.00	
1,300.0	3.36	29.01	1,298.8	37.5	20.8	-37.5	0.00	0.00	
1,400.0	3.36	29.01	1,398.7	42.6	23.6	-42.6	0.00	0.00	
1,500.0	3.36	29.01	1,498.5	47.7	26.5	-47.7	0.00	0.00	
1,600.0	3.36	29.01	1,598.3	52.9	29.3	-52.9	0.00	0.00	
1,700.0	3.36	29.01	1,698.2	58.0	32.1	-58.0	0.00	0.00	
1,800.0	3.36	29.01	1,798.0	63.1	35.0	-63.1	0.00	0.00	
1,900.0	3.36	29.01	1,897.8	68.2	37.8	-68.2	0.00	0.00	
2,000.0	3.36	29.01	1,997.6	73.3	40.7	-73.3	0.00	0.00	
2,100.0	3.36	29.01	2,097.5	78.5	43.5	-78.5	0.00	0.00	
2,200.0	3.36	29.01	2,197.3	83.6	46.3	-83.6	0.00	0.00	
2,300.0	3.36	29.01	2,297.1	88.7	49.2	-88.7	0.00	0.00	
2,400.0	3.36	29.01	2,397.0	93.8	52.0	-93.8	0.00	0.00	
2,500.0	3.36	29.01	2,496.8	98.9	54.9	-98.9	0.00	0.00	
2,600.0	3.36	29.01	2,596.6	104.1	57.7	-104.1	0.00	0.00	
2,700.0	3.36	29.01	2,696.4	109.2	60.5	-109.2	0.00	0.00	
2,800.0	3.36	29.01	2,796.3	114.3	63.4	-114.3	0.00	0.00	
2,900.0	3.36	29.01	2,896.1	119.4	66.2	-119.4	0.00	0.00	
3,000.0	3.36	29.01	2,995.9	124.5	69.0	-124.5	0.00	0.00	
3,100.0	3.36	29.01	3,095.8	129.7	71.9	-129.7	0.00	0.00	
3,200.0	3.36	29.01	3,195.6	134.8	74.7	-134.8	0.00	0.00	
3,300.0	3.36	29.01	3,295.4	139.9	77.6	-139.9	0.00	0.00	
3,400.0	3.36	29.01	3,395.2	145.0	80.4	-145.0	0.00	0.00	
3,500.0	3.36	29.01	3,495.1	150.1	83.2	-150.1	0.00	0.00	
3,600.0	3.36	29.01	3,594.9	155.3	86.1	-155.3	0.00	0.00	
3,700.0	3.36	29.01	3,694.7	160.4	88.9	-160.4	0.00	0.00	
3,800.0	3.36	29.01	3,794.6	165.5	91.8	-165.5	0.00	0.00	
3,900.0	3.36	29.01	3,894.4	170.6	94.6	-170.6	0.00	0.00	
4,000.0	3.36	29.01	3,994.2	175.7	97.4	-175.7	0.00	0.00	
4,100.0	3.36	29.01	4,094.0	180.9	100.3	-180.9	0.00	0.00	
4,200.0	3.36	29.01	4,193.9	186.0	103.1	-186.0	0.00	0.00	
4,300.0	3.36	29.01	4,293.7	191.1	106.0	-191.1	0.00	0.00	
4,400.0	3.36	29.01	4,393.5	196.2	108.8	-196.2	0.00	0.00	
4,408.5	3.36	29.01	4,402.0	196.6	109.0	-196.6	0.00	0.00	Sussex
4,500.0	3.36	29.01	4,493.4	201.3	111.6	-201.3	0.00	0.00	
4,600.0	3.36	29.01	4,593.2	206.5	114.5	-206.5	0.00	0.00	
4,664.9	3.36	29.01	4,658.0	209.8	116.3	-209.8	0.00	0.00	Sussex Marker
4,700.0	3.36	29.01	4,693.0	211.6	117.3	-211.6	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2I-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
4,800.0	3.36	29.01	4,792.8	216.7	120.1	-216.7	0.00	0.00	
4,900.0	3.36	29.01	4,892.7	221.8	123.0	-221.8	0.00	0.00	
4,987.5	3.36	29.01	4,980.0	226.3	125.5	-226.3	0.00	0.00	Shannon
5,000.0	3.36	29.01	4,992.5	226.9	125.8	-226.9	0.00	0.00	
5,100.0	3.36	29.01	5,092.3	232.1	128.7	-232.1	0.00	0.00	
5,200.0	3.36	29.01	5,192.2	237.2	131.5	-237.2	0.00	0.00	
5,300.0	3.36	29.01	5,292.0	242.3	134.3	-242.3	0.00	0.00	
5,400.0	3.36	29.01	5,391.8	247.4	137.2	-247.4	0.00	0.00	
5,500.0	3.36	29.01	5,491.6	252.5	140.0	-252.5	0.00	0.00	
5,600.0	3.36	29.01	5,591.5	257.7	142.9	-257.7	0.00	0.00	
5,673.2	3.36	29.01	5,664.6	261.4	144.9	-261.4	0.00	0.00	Start Drop -1.00
5,700.0	3.09	29.01	5,691.3	262.7	145.7	-262.7	1.00	-1.00	
5,800.0	2.09	29.01	5,791.2	266.7	147.9	-266.7	1.00	-1.00	
5,900.0	1.09	29.01	5,891.2	269.1	149.2	-269.1	1.00	-1.00	
6,000.0	0.09	29.01	5,991.1	270.0	149.7	-270.0	1.00	-1.00	
6,008.9	0.00	0.00	6,000.0	270.0	149.7	-270.0	1.00	-1.00	EOD; Inc=0°
6,093.9	0.00	0.00	6,085.0	270.0	149.7	-270.0	0.00	0.00	Teepee Buttes (*if present)
6,100.0	0.00	0.00	6,091.1	270.0	149.7	-270.0	0.00	0.00	
6,200.0	0.00	0.00	6,191.1	270.0	149.7	-270.0	0.00	0.00	
6,300.0	0.00	0.00	6,291.1	270.0	149.7	-270.0	0.00	0.00	
6,400.0	0.00	0.00	6,391.1	270.0	149.7	-270.0	0.00	0.00	
6,500.0	0.00	0.00	6,491.1	270.0	149.7	-270.0	0.00	0.00	
6,600.0	0.00	0.00	6,591.1	270.0	149.7	-270.0	0.00	0.00	
6,612.9	0.00	0.00	6,604.0	270.0	149.7	-270.0	0.00	0.00	Start Build 10.00
6,700.0	8.71	180.00	6,690.8	263.4	149.7	-263.4	10.00	10.00	
6,800.0	18.71	180.00	6,787.8	239.7	149.7	-239.7	10.00	10.00	
6,848.4	23.55	180.00	6,833.0	222.3	149.7	-222.3	10.00	10.00	Sharon Springs
6,880.5	26.76	180.00	6,862.0	208.6	149.7	-208.6	10.00	10.00	Niobrara
6,900.0	28.71	180.00	6,879.3	199.6	149.7	-199.6	10.00	10.00	
6,979.3	36.64	180.00	6,946.0	156.8	149.7	-156.8	10.00	10.00	B Chalk
7,000.0	38.71	180.00	6,962.4	144.1	149.7	-144.1	10.00	10.00	
7,008.6	39.57	180.00	6,969.0	138.7	149.7	-138.7	10.00	10.00	B Marl
7,078.4	46.55	180.00	7,020.0	91.1	149.7	-91.1	10.00	10.00	C Chalk
7,100.0	48.71	180.00	7,034.6	75.1	149.7	-75.1	10.00	10.00	
7,127.2	51.43	180.00	7,052.0	54.3	149.7	-54.3	10.00	10.00	C Marl
7,200.0	58.71	180.00	7,093.7	-5.4	149.7	5.4	10.00	10.00	
7,300.0	68.71	180.00	7,137.9	-94.9	149.7	94.9	10.00	10.00	
7,350.0	73.71	180.00	7,154.0	-142.2	149.7	142.2	10.00	10.00	Ft. Hayes
7,400.0	78.71	180.00	7,165.9	-190.8	149.7	190.8	10.00	10.00	
7,405.7	79.28	180.00	7,167.0	-196.4	149.7	196.4	10.00	10.00	Codell
7,500.0	88.71	180.00	7,176.9	-290.1	149.7	290.1	10.00	10.00	
7,512.9	90.00	180.00	7,177.0	-303.0	149.7	303.0	10.00	10.00	LP @ 7177' TVD; 90°
7,600.0	90.00	180.00	7,177.0	-390.1	149.7	390.1	0.00	0.00	
7,700.0	90.00	180.00	7,177.0	-490.1	149.7	490.1	0.00	0.00	
7,800.0	90.00	180.00	7,177.0	-590.1	149.7	590.1	0.00	0.00	
7,900.0	90.00	180.00	7,177.0	-690.1	149.7	690.1	0.00	0.00	
8,000.0	90.00	180.00	7,177.0	-790.1	149.7	790.1	0.00	0.00	
8,100.0	90.00	180.00	7,177.0	-890.1	149.7	890.1	0.00	0.00	
8,200.0	90.00	180.00	7,177.0	-990.1	149.7	990.1	0.00	0.00	
8,300.0	90.00	180.00	7,177.0	-1,090.1	149.7	1,090.1	0.00	0.00	
8,400.0	90.00	180.00	7,177.0	-1,190.1	149.7	1,190.1	0.00	0.00	
8,500.0	90.00	180.00	7,177.0	-1,290.1	149.7	1,290.1	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2I-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
8,600.0	90.00	180.00	7,177.0	-1,390.1	149.7	1,390.1	0.00	0.00	
8,700.0	90.00	180.00	7,177.0	-1,490.1	149.7	1,490.1	0.00	0.00	
8,800.0	90.00	180.00	7,177.0	-1,590.1	149.7	1,590.1	0.00	0.00	
8,900.0	90.00	180.00	7,177.0	-1,690.1	149.7	1,690.1	0.00	0.00	
9,000.0	90.00	180.00	7,177.0	-1,790.1	149.7	1,790.1	0.00	0.00	
9,100.0	90.00	180.00	7,177.0	-1,890.1	149.7	1,890.1	0.00	0.00	
9,200.0	90.00	180.00	7,177.0	-1,990.1	149.7	1,990.1	0.00	0.00	
9,300.0	90.00	180.00	7,177.0	-2,090.1	149.7	2,090.1	0.00	0.00	
9,400.0	90.00	180.00	7,177.0	-2,190.1	149.7	2,190.1	0.00	0.00	
9,500.0	90.00	180.00	7,177.0	-2,290.1	149.7	2,290.1	0.00	0.00	
9,600.0	90.00	180.00	7,177.0	-2,390.1	149.7	2,390.1	0.00	0.00	
9,700.0	90.00	180.00	7,177.0	-2,490.1	149.7	2,490.1	0.00	0.00	
9,800.0	90.00	180.00	7,177.0	-2,590.1	149.7	2,590.1	0.00	0.00	
9,900.0	90.00	180.00	7,177.0	-2,690.1	149.7	2,690.1	0.00	0.00	
10,000.0	90.00	180.00	7,177.0	-2,790.1	149.7	2,790.1	0.00	0.00	
10,100.0	90.00	180.00	7,177.0	-2,890.1	149.7	2,890.1	0.00	0.00	
10,200.0	90.00	180.00	7,177.0	-2,990.1	149.7	2,990.1	0.00	0.00	
10,300.0	90.00	180.00	7,177.0	-3,090.1	149.7	3,090.1	0.00	0.00	
10,400.0	90.00	180.00	7,177.0	-3,190.1	149.7	3,190.1	0.00	0.00	
10,500.0	90.00	180.00	7,177.0	-3,290.1	149.7	3,290.1	0.00	0.00	
10,600.0	90.00	180.00	7,177.0	-3,390.1	149.7	3,390.1	0.00	0.00	
10,700.0	90.00	180.00	7,177.0	-3,490.1	149.7	3,490.1	0.00	0.00	
10,800.0	90.00	180.00	7,177.0	-3,590.1	149.7	3,590.1	0.00	0.00	
10,900.0	90.00	180.00	7,177.0	-3,690.1	149.7	3,690.1	0.00	0.00	
11,000.0	90.00	180.00	7,177.0	-3,790.1	149.7	3,790.1	0.00	0.00	
11,100.0	90.00	180.00	7,177.0	-3,890.1	149.7	3,890.1	0.00	0.00	
11,200.0	90.00	180.00	7,177.0	-3,990.1	149.7	3,990.1	0.00	0.00	
11,300.0	90.00	180.00	7,177.0	-4,090.1	149.7	4,090.1	0.00	0.00	
11,400.0	90.00	180.00	7,177.0	-4,190.1	149.7	4,190.1	0.00	0.00	
11,500.0	90.00	180.00	7,177.0	-4,290.1	149.7	4,290.1	0.00	0.00	
11,600.0	90.00	180.00	7,177.0	-4,390.1	149.7	4,390.1	0.00	0.00	
11,700.0	90.00	180.00	7,177.0	-4,490.1	149.7	4,490.1	0.00	0.00	
11,764.5	90.00	180.00	7,177.0	-4,554.6	149.7	4,554.6	0.00	0.00	TD at 11764.5

### 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 2I-32H-C264 F	0.00	0.00	7,177.0	-4,554.6	149.7	1,276,597.78	3,257,991.71	40.088963	-104.577910
- plan hits target center									
- Point									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2I-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 (°)	
960.6	960.0	Fox Hills - BASE				
4,408.5	4,402.0	Sussex				
4,664.9	4,658.0	Sussex Marker				
4,987.5	4,980.0	Shannon				
6,093.9	6,085.0	Teepee Buttes (*if present)				
6,848.4	6,833.0	Sharon Springs				
6,880.5	6,862.0	Niobrara				
6,979.3	6,946.0	B Chalk				
7,008.6	6,969.0	B Marl				
7,078.4	7,020.0	C Chalk				
7,127.2	7,052.0	C Marl				
7,350.0	7,154.0	Ft. Hayes				
7,405.7	7,167.0	Codell				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
400.0	400.0	0.0	0.0	KOP @ 400'	
735.6	735.4	8.6	4.8	EOB; Inc=3.36°	
5,673.2	5,664.6	261.4	144.9	Start Drop -1.00	
6,008.9	6,000.0	270.0	149.7	EOD; Inc=0°	
6,612.9	6,604.0	270.0	149.7	Start Build 10.00	
7,512.9	7,177.0	-303.0	149.7	LP @ 7177' TVD; 90°	
11,764.5	7,177.0	-4,554.6	149.7	TD at 11764.5	

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

**DJ Wattenberg**

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

**Newman 2I-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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 1,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b>	4/4/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	11,763.6	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	8,221.9	7,125.0	463.3	427.8	13.053	CC, ES
NEWMAN 2-32 (EXISTING) - EXISTING - ENCANA WE	8,300.0	7,125.0	469.8	433.2	12.817	SF
Newman 2A-32H-C264 - HZ - Plan #1	200.0	197.0	60.1	59.6	102.262	CC, ES
Newman 2A-32H-C264 - HZ - Plan #1	600.0	586.4	88.3	86.3	44.755	SF
Newman 2B-32H-C264 - HZ - Plan #1	235.9	233.9	52.6	51.9	73.535	CC, ES
Newman 2B-32H-C264 - HZ - Plan #1	600.0	590.1	74.6	72.6	37.708	SF
Newman 2C-32H-C264 - HZ - Plan #1	300.0	298.0	45.0	44.1	47.966	CC, ES
Newman 2C-32H-C264 - HZ - Plan #1	600.0	592.3	61.5	59.6	31.051	SF
Newman 2D-32H-C264 - HZ - Plan #1	335.9	333.9	37.5	36.4	35.220	CC, ES
Newman 2D-32H-C264 - HZ - Plan #1	600.0	594.2	49.3	47.4	24.859	SF
Newman 2E-32H-C264 - HZ - Plan #1	400.0	398.0	29.9	28.6	23.240	CC, ES
Newman 2E-32H-C264 - HZ - Plan #1	11,764.5	11,586.8	926.8	766.5	5.780	SF
Newman 2F-32H-C264 - HZ - Plan #1	400.0	399.0	22.7	21.4	17.570	CC, ES
Newman 2F-32H-C264 - HZ - Plan #1	11,764.5	11,783.1	675.1	510.2	4.093	SF
Newman 2G-32H-C264 - HZ - Plan #1	400.0	399.0	15.1	13.8	11.714	CC, ES
Newman 2G-32H-C264 - HZ - Plan #1	11,764.5	11,628.5	468.6	309.9	2.953	SF
Newman 2H-32H-C264 - HZ - Plan #1	400.0	399.0	7.6	6.3	5.856	CC, ES
Newman 2H-32H-C264 - HZ - Plan #1	11,764.5	11,540.4	315.5	195.2	2.621	SF
Newman 2J-32H-C264 - HZ - Plan #1	333.7	333.7	7.6	6.5	7.124	CC
Newman 2J-32H-C264 - HZ - Plan #1	400.0	399.9	7.7	6.4	5.985	ES
Newman 2J-32H-C264 - HZ - Plan #1	11,764.5	11,645.1	259.8	115.8	1.804	SF
Newman 2K-32H-C264 - HZ - Plan #1	300.0	300.0	14.8	13.9	15.731	CC, ES
Newman 2K-32H-C264 - HZ - Plan #1	11,764.5	11,574.2	501.2	352.3	3.365	SF
Newman 2L-32H-C264 - HZ - Plan #1	233.4	233.4	22.4	21.7	31.528	CC
Newman 2L-32H-C264 - HZ - Plan #1	300.0	299.8	22.6	21.6	23.973	ES
Newman 2L-32H-C264 - HZ - Plan #1	11,764.5	11,825.1	674.9	509.8	4.090	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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,400.0	7,165.9	7,113.9	7,113.9	13.7	12.4	70.86	-1,012.0	-313.6	942.8	917.9	24.91	37.855		
7,500.0	7,176.9	7,124.9	7,124.9	14.4	12.4	87.99	-1,012.0	-313.6	857.8	831.2	26.56	32.290		
7,600.0	7,177.0	7,125.0	7,125.0	15.3	12.4	90.00	-1,012.0	-313.6	775.5	748.0	27.50	28.203		
7,700.0	7,177.0	7,125.0	7,125.0	16.3	12.4	90.00	-1,012.0	-313.6	697.9	669.3	28.55	24.441		
7,800.0	7,177.0	7,125.0	7,125.0	17.5	12.4	90.00	-1,012.0	-313.6	626.6	596.9	29.72	21.081		
7,900.0	7,177.0	7,125.0	7,125.0	18.7	12.4	90.00	-1,012.0	-313.6	564.1	533.2	30.99	18.206		
8,000.0	7,177.0	7,125.0	7,125.0	20.1	12.4	90.00	-1,012.0	-313.6	513.7	481.4	32.32	15.892		
8,100.0	7,177.0	7,125.0	7,125.0	21.4	12.4	90.00	-1,012.0	-313.6	479.1	445.3	33.72	14.207		
8,200.0	7,177.0	7,125.0	7,125.0	22.9	12.4	90.00	-1,012.0	-313.6	463.8	428.6	35.17	13.189		
8,221.9	7,177.0	7,125.0	7,125.0	23.2	12.4	90.00	-1,012.0	-313.6	463.3	427.8	35.49	13.053 CC, ES		
8,300.0	7,177.0	7,125.0	7,125.0	24.4	12.4	90.00	-1,012.0	-313.6	469.8	433.2	36.66	12.817 SF		
8,400.0	7,177.0	7,125.0	7,125.0	25.9	12.4	90.00	-1,012.0	-313.6	496.4	458.2	38.18	13.001		
8,500.0	7,177.0	7,125.0	7,125.0	27.4	12.4	90.00	-1,012.0	-313.6	540.4	500.6	39.73	13.602		
8,600.0	7,177.0	7,125.0	7,125.0	29.0	12.4	90.00	-1,012.0	-313.6	598.0	556.7	41.30	14.480		
8,700.0	7,177.0	7,125.0	7,125.0	30.6	12.4	90.00	-1,012.0	-313.6	665.8	622.9	42.89	15.522		
8,800.0	7,177.0	7,125.0	7,125.0	32.2	12.4	90.00	-1,012.0	-313.6	740.8	696.3	44.50	16.648		
8,900.0	7,177.0	7,125.0	7,125.0	33.8	12.4	90.00	-1,012.0	-313.6	821.3	775.1	46.12	17.805		
9,000.0	7,177.0	7,125.0	7,125.0	35.4	12.4	90.00	-1,012.0	-313.6	905.6	857.8	47.76	18.961		
9,100.0	7,177.0	7,125.0	7,125.0	37.1	12.4	90.00	-1,012.0	-313.6	992.8	943.4	49.41	20.095		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.29	0.7	-60.1	60.2					
100.0	100.0	97.0	97.0	0.1	0.1	-89.29	0.7	-60.1	60.1	59.9	0.24	249.908		
200.0	200.0	197.0	197.0	0.3	0.3	-89.29	0.7	-60.1	60.1	59.6	0.59	102.262 CC, ES		
300.0	300.0	295.0	295.0	0.5	0.5	-89.06	1.0	-61.7	61.7	60.8	0.94	66.016		
400.0	400.0	392.7	392.6	0.6	0.7	-88.39	1.9	-66.5	66.7	65.4	1.29	51.795		
500.0	500.0	489.9	489.5	0.8	0.9	-116.97	3.3	-74.6	75.4	73.8	1.62	46.417		
600.0	600.0	586.4	585.2	1.0	1.1	-117.29	5.3	-85.8	88.3	86.3	1.97	44.755 SF		
700.0	699.9	681.8	679.5	1.2	1.4	-118.01	7.8	-99.9	105.2	102.9	2.32	45.256		
800.0	799.7	775.8	772.0	1.4	1.8	-118.87	10.8	-116.9	126.0	123.3	2.68	46.976		
900.0	899.5	868.5	862.5	1.6	2.2	-119.34	14.3	-136.6	150.0	146.9	3.04	49.297		
1,000.0	999.4	959.7	950.8	1.8	2.6	-119.48	18.3	-158.7	177.0	173.6	3.40	52.007		
1,100.0	1,099.2	1,049.2	1,036.8	2.0	3.1	-119.44	22.6	-183.2	207.0	203.3	3.76	54.996		
1,200.0	1,199.0	1,142.3	1,125.7	2.2	3.6	-119.30	27.5	-210.5	239.1	235.0	4.13	57.851		
1,300.0	1,298.8	1,237.0	1,216.1	2.4	4.1	-119.19	32.4	-238.4	271.3	266.8	4.51	60.207		
1,400.0	1,398.7	1,331.7	1,306.4	2.6	4.6	-119.10	37.4	-266.3	303.4	298.6	4.88	62.192		
1,500.0	1,498.5	1,426.4	1,396.7	2.8	5.1	-119.03	42.3	-294.2	335.6	330.4	5.25	63.886		
1,600.0	1,598.3	1,521.1	1,487.1	3.0	5.7	-118.97	47.3	-322.1	367.8	362.2	5.63	65.350		
1,700.0	1,698.2	1,615.8	1,577.4	3.2	6.2	-118.92	52.2	-350.0	400.0	393.9	6.00	66.625		
1,800.0	1,798.0	1,710.4	1,667.8	3.4	6.8	-118.88	57.2	-377.9	432.1	425.7	6.38	67.747		
1,900.0	1,897.8	1,805.1	1,758.1	3.6	7.3	-118.84	62.1	-405.9	464.3	457.5	6.75	68.742		
2,000.0	1,997.6	1,899.8	1,848.5	3.8	7.8	-118.81	67.1	-433.8	496.5	489.3	7.13	69.629		
2,100.0	2,097.5	1,994.5	1,938.8	4.0	8.4	-118.78	72.0	-461.7	528.6	521.1	7.51	70.425		
2,200.0	2,197.3	2,089.2	2,029.1	4.2	8.9	-118.76	77.0	-489.6	560.8	552.9	7.88	71.144		
2,300.0	2,297.1	2,183.9	2,119.5	4.4	9.4	-118.74	82.0	-517.5	593.0	584.7	8.26	71.796		
2,400.0	2,397.0	2,278.5	2,209.8	4.6	10.0	-118.72	86.9	-545.4	625.1	616.5	8.64	72.390		
2,500.0	2,496.8	2,373.2	2,300.2	4.8	10.5	-118.70	91.9	-573.3	657.3	648.3	9.01	72.933		
2,600.0	2,596.6	2,467.9	2,390.5	5.0	11.1	-118.68	96.8	-601.2	689.5	680.1	9.39	73.432		
2,700.0	2,696.4	2,562.6	2,480.9	5.2	11.6	-118.67	101.8	-629.1	721.7	711.9	9.77	73.892		
2,800.0	2,796.3	2,657.3	2,571.2	5.4	12.1	-118.66	106.7	-657.0	753.8	743.7	10.14	74.317		
2,900.0	2,896.1	2,752.0	2,661.5	5.6	12.7	-118.64	111.7	-684.9	786.0	775.5	10.52	74.711		
3,000.0	2,995.9	2,846.6	2,751.9	5.8	13.2	-118.63	116.6	-712.8	818.2	807.3	10.90	75.077		
3,100.0	3,095.8	2,941.3	2,842.2	6.0	13.8	-118.62	121.6	-740.7	850.3	839.1	11.28	75.419		
3,200.0	3,195.6	3,036.0	2,932.6	6.2	14.3	-118.61	126.6	-768.6	882.5	870.9	11.65	75.738		
3,300.0	3,295.4	3,130.7	3,022.9	6.4	14.8	-118.60	131.5	-796.5	914.7	902.7	12.03	76.036		
3,400.0	3,395.2	3,225.4	3,113.3	6.6	15.4	-118.60	136.5	-824.4	946.9	934.5	12.41	76.317		
3,500.0	3,495.1	3,320.1	3,203.6	6.8	15.9	-118.59	141.4	-852.3	979.0	966.2	12.78	76.580		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.21	0.7	-52.6	52.6					
100.0	100.0	98.0	98.0	0.1	0.1	-89.21	0.7	-52.6	52.6	52.4	0.24	217.425		
200.0	200.0	198.0	198.0	0.3	0.3	-89.21	0.7	-52.6	52.6	52.0	0.59	89.157		
235.9	235.9	233.9	233.9	0.4	0.4	-89.21	0.7	-52.6	52.6	51.9	0.72	73.535 CC, ES		
300.0	300.0	297.1	297.1	0.5	0.5	-89.13	0.8	-53.0	53.0	52.0	0.94	56.511		
400.0	400.0	395.2	395.2	0.6	0.6	-88.53	1.4	-56.2	56.3	55.0	1.29	43.755		
500.0	500.0	493.0	492.7	0.8	0.8	-117.16	2.7	-62.7	63.4	61.7	1.63	38.884		
600.0	600.0	590.1	589.3	1.0	1.1	-117.57	4.6	-72.4	74.6	72.6	1.98	37.708 SF		
700.0	699.9	686.2	684.5	1.2	1.3	-118.41	7.1	-85.1	89.9	87.6	2.33	38.566		
800.0	799.7	781.0	778.0	1.4	1.7	-119.33	10.2	-100.7	109.1	106.5	2.69	40.565		
900.0	899.5	874.6	869.7	1.6	2.0	-119.76	13.8	-119.1	131.6	128.5	3.05	43.103		
1,000.0	999.4	966.8	959.3	1.8	2.4	-119.81	17.9	-140.1	157.1	153.7	3.42	45.983		
1,100.0	1,099.2	1,058.6	1,047.9	2.0	2.9	-119.65	22.6	-163.7	185.6	181.8	3.78	49.068		
1,200.0	1,199.0	1,154.2	1,139.9	2.2	3.3	-119.48	27.6	-189.2	215.0	210.8	4.16	51.724		
1,300.0	1,298.8	1,249.7	1,231.9	2.4	3.8	-119.34	32.6	-214.7	244.3	239.8	4.53	53.928		
1,400.0	1,398.7	1,345.3	1,323.9	2.6	4.3	-119.24	37.6	-240.2	273.7	268.8	4.91	55.786		
1,500.0	1,498.5	1,440.9	1,415.9	2.8	4.8	-119.15	42.6	-265.7	303.1	297.8	5.28	57.372		
1,600.0	1,598.3	1,536.5	1,507.9	3.0	5.3	-119.09	47.6	-291.1	332.5	326.8	5.66	58.742		
1,700.0	1,698.2	1,632.1	1,599.8	3.2	5.8	-119.03	52.7	-316.6	361.9	355.8	6.04	59.936		
1,800.0	1,798.0	1,727.7	1,691.8	3.4	6.3	-118.98	57.7	-342.1	391.2	384.8	6.42	60.987		
1,900.0	1,897.8	1,823.3	1,783.8	3.6	6.8	-118.93	62.7	-367.6	420.6	413.8	6.79	61.917		
2,000.0	1,997.6	1,918.8	1,875.8	3.8	7.3	-118.90	67.7	-393.1	450.0	442.8	7.17	62.748		
2,100.0	2,097.5	2,014.4	1,967.8	4.0	7.7	-118.87	72.7	-418.5	479.4	471.8	7.55	63.493		
2,200.0	2,197.3	2,110.0	2,059.8	4.2	8.2	-118.84	77.7	-444.0	508.8	500.8	7.93	64.166		
2,300.0	2,297.1	2,205.6	2,151.8	4.4	8.7	-118.81	82.7	-469.5	538.1	529.8	8.31	64.776		
2,400.0	2,397.0	2,301.2	2,243.8	4.6	9.2	-118.79	87.7	-495.0	567.5	558.8	8.69	65.332		
2,500.0	2,496.8	2,396.8	2,335.8	4.8	9.7	-118.77	92.7	-520.4	596.9	587.8	9.07	65.840		
2,600.0	2,596.6	2,492.4	2,427.8	5.0	10.2	-118.75	97.8	-545.9	626.3	616.8	9.45	66.307		
2,700.0	2,696.4	2,587.9	2,519.8	5.2	10.7	-118.73	102.8	-571.4	655.7	645.8	9.82	66.737		
2,800.0	2,796.3	2,683.5	2,611.8	5.4	11.2	-118.72	107.8	-596.9	685.0	674.8	10.20	67.135		
2,900.0	2,896.1	2,779.1	2,703.7	5.6	11.7	-118.70	112.8	-622.4	714.4	703.8	10.58	67.504		
3,000.0	2,995.9	2,874.7	2,795.7	5.8	12.2	-118.69	117.8	-647.8	743.8	732.8	10.96	67.847		
3,100.0	3,095.8	2,970.3	2,887.7	6.0	12.7	-118.68	122.8	-673.3	773.2	761.9	11.34	68.166		
3,200.0	3,195.6	3,065.9	2,979.7	6.2	13.2	-118.66	127.8	-698.8	802.6	790.9	11.72	68.465		
3,300.0	3,295.4	3,161.5	3,071.7	6.4	13.7	-118.65	132.8	-724.3	832.0	819.9	12.10	68.744		
3,400.0	3,395.2	3,257.0	3,163.7	6.6	14.2	-118.64	137.8	-749.8	861.3	848.9	12.48	69.006		
3,500.0	3,495.1	3,352.6	3,255.7	6.8	14.7	-118.64	142.8	-775.2	890.7	877.9	12.86	69.253		
3,600.0	3,594.9	3,448.2	3,347.7	7.0	15.2	-118.63	147.9	-800.7	920.1	906.9	13.24	69.485		
3,700.0	3,694.7	3,543.8	3,439.7	7.2	15.7	-118.62	152.9	-826.2	949.5	935.9	13.62	69.704		
3,800.0	3,794.6	3,639.4	3,531.7	7.4	16.2	-118.61	157.9	-851.7	978.9	964.9	14.00	69.911		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.52	0.4	-45.0	45.1					
100.0	100.0	98.0	98.0	0.1	0.1	-89.52	0.4	-45.0	45.0	44.8	0.24	186.187		
200.0	200.0	198.0	198.0	0.3	0.3	-89.52	0.4	-45.0	45.0	44.4	0.59	76.348		
300.0	300.0	298.0	298.0	0.5	0.5	-89.52	0.4	-45.0	45.0	44.1	0.94	47.966 CC, ES		
400.0	400.0	396.5	396.5	0.6	0.6	-89.08	0.7	-46.6	46.7	45.4	1.29	36.258		
500.0	500.0	494.7	494.5	0.8	0.8	-117.70	1.9	-51.5	52.0	50.4	1.63	31.867		
600.0	600.0	592.3	591.8	1.0	1.0	-118.12	3.8	-59.5	61.5	59.6	1.98	31.051 SF		
700.0	699.9	689.2	688.0	1.2	1.3	-118.96	6.4	-70.7	75.2	72.9	2.34	32.169		
800.0	799.7	784.9	782.6	1.4	1.6	-119.81	9.8	-84.9	92.7	90.0	2.70	34.364		
900.0	899.5	879.4	875.5	1.6	1.9	-120.05	13.8	-101.9	113.5	110.5	3.06	37.044		
1,000.0	999.4	973.3	967.1	1.8	2.3	-119.89	18.4	-121.6	137.3	133.9	3.43	40.017		
1,100.0	1,099.2	1,070.1	1,061.4	2.0	2.7	-119.67	23.5	-143.1	162.2	158.4	3.81	42.608		
1,200.0	1,199.0	1,167.0	1,155.7	2.2	3.1	-119.51	28.5	-164.5	187.1	182.9	4.18	44.718		
1,300.0	1,298.8	1,263.8	1,250.1	2.4	3.5	-119.38	33.6	-186.0	212.0	207.4	4.56	46.468		
1,400.0	1,398.7	1,360.7	1,344.4	2.6	3.9	-119.28	38.6	-207.4	236.9	232.0	4.94	47.942		
1,500.0	1,498.5	1,457.5	1,438.7	2.8	4.3	-119.21	43.7	-228.8	261.8	256.5	5.32	49.199		
1,600.0	1,598.3	1,554.4	1,533.0	3.0	4.8	-119.14	48.8	-250.3	286.7	281.0	5.70	50.284		
1,700.0	1,698.2	1,651.2	1,627.3	3.2	5.2	-119.09	53.8	-271.7	311.6	305.5	6.08	51.229		
1,800.0	1,798.0	1,748.1	1,721.6	3.4	5.6	-119.04	58.9	-293.1	336.5	330.0	6.46	52.060		
1,900.0	1,897.8	1,845.0	1,815.9	3.6	6.0	-119.00	63.9	-314.6	361.4	354.5	6.84	52.796		
2,000.0	1,997.6	1,941.8	1,910.3	3.8	6.4	-118.96	69.0	-336.0	386.3	379.0	7.23	53.452		
2,100.0	2,097.5	2,038.7	2,004.6	4.0	6.9	-118.93	74.0	-357.4	411.1	403.5	7.61	54.041		
2,200.0	2,197.3	2,135.5	2,098.9	4.2	7.3	-118.90	79.1	-378.9	436.0	428.0	7.99	54.573		
2,300.0	2,297.1	2,232.4	2,193.2	4.4	7.7	-118.88	84.1	-400.3	460.9	452.6	8.37	55.054		
2,400.0	2,397.0	2,329.2	2,287.5	4.6	8.2	-118.86	89.2	-421.8	485.8	477.1	8.75	55.493		
2,500.0	2,496.8	2,426.1	2,381.8	4.8	8.6	-118.84	94.2	-443.2	510.7	501.6	9.14	55.895		
2,600.0	2,596.6	2,522.9	2,476.1	5.0	9.0	-118.82	99.3	-464.6	535.6	526.1	9.52	56.263		
2,700.0	2,696.4	2,619.8	2,570.5	5.2	9.4	-118.80	104.3	-486.1	560.5	550.6	9.90	56.603		
2,800.0	2,796.3	2,716.6	2,664.8	5.4	9.9	-118.79	109.4	-507.5	585.4	575.1	10.29	56.916		
2,900.0	2,896.1	2,813.5	2,759.1	5.6	10.3	-118.78	114.4	-528.9	610.3	599.6	10.67	57.207		
3,000.0	2,995.9	2,910.3	2,853.4	5.8	10.7	-118.76	119.5	-550.4	635.2	624.1	11.05	57.477		
3,100.0	3,095.8	3,007.2	2,947.7	6.0	11.1	-118.75	124.5	-571.8	660.1	648.6	11.43	57.729		
3,200.0	3,195.6	3,104.0	3,042.0	6.2	11.6	-118.74	129.6	-593.2	685.0	673.2	11.82	57.965		
3,300.0	3,295.4	3,200.9	3,136.4	6.4	12.0	-118.73	134.6	-614.7	709.9	697.7	12.20	58.185		
3,400.0	3,395.2	3,297.7	3,230.7	6.6	12.4	-118.72	139.7	-636.1	734.8	722.2	12.58	58.392		
3,500.0	3,495.1	3,394.6	3,325.0	6.8	12.8	-118.71	144.8	-657.6	759.6	746.7	12.97	58.586		
3,600.0	3,594.9	3,491.4	3,419.3	7.0	13.3	-118.70	149.8	-679.0	784.5	771.2	13.35	58.769		
3,700.0	3,694.7	3,588.3	3,513.6	7.2	13.7	-118.70	154.9	-700.4	809.4	795.7	13.73	58.941		
3,800.0	3,794.6	3,685.1	3,607.9	7.4	14.1	-118.69	159.9	-721.9	834.3	820.2	14.12	59.104		
3,900.0	3,894.4	3,782.0	3,702.2	7.6	14.6	-118.68	165.0	-743.3	859.2	844.7	14.50	59.259		
4,000.0	3,994.2	3,878.8	3,796.6	7.8	15.0	-118.68	170.0	-764.7	884.1	869.2	14.88	59.405		
4,100.0	4,094.0	3,975.7	3,890.9	8.0	15.4	-118.67	175.1	-786.2	909.0	893.7	15.27	59.544		
4,200.0	4,193.9	4,072.5	3,985.2	8.2	15.8	-118.66	180.1	-807.6	933.9	918.3	15.65	59.676		
4,300.0	4,293.7	4,169.4	4,079.5	8.4	16.3	-118.66	185.2	-829.0	958.8	942.8	16.03	59.801		
4,400.0	4,393.5	4,266.3	4,173.8	8.6	16.7	-118.65	190.2	-850.5	983.7	967.3	16.42	59.921		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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 2D-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	-89.44	0.4	-37.5	37.5					
100.0	100.0	98.0	98.0	0.1	0.1	-89.44	0.4	-37.5	37.5	37.2	0.24	154.965		
200.0	200.0	198.0	198.0	0.3	0.3	-89.44	0.4	-37.5	37.5	36.9	0.59	63.545		
300.0	300.0	298.0	298.0	0.5	0.5	-89.44	0.4	-37.5	37.5	36.5	0.94	39.922		
335.9	335.9	333.9	333.9	0.5	0.5	-89.44	0.4	-37.5	37.5	36.4	1.06	35.220 CC, ES		
400.0	400.0	397.4	397.4	0.6	0.6	-89.28	0.5	-37.9	37.9	36.6	1.29	29.423		
500.0	500.0	496.0	496.0	0.8	0.8	-118.09	1.4	-41.1	41.5	39.9	1.63	25.413		
600.0	600.0	594.2	593.9	1.0	1.0	-118.63	3.2	-47.5	49.3	47.4	1.98	24.859 SF		
700.0	699.9	691.7	690.9	1.2	1.2	-119.49	6.0	-57.0	61.3	58.9	2.34	26.163		
800.0	799.7	788.2	786.5	1.4	1.5	-120.25	9.6	-69.6	77.1	74.4	2.70	28.494		
900.0	899.5	883.6	880.6	1.6	1.8	-120.22	14.1	-85.1	96.1	93.0	3.07	31.271		
1,000.0	999.4	981.2	976.4	1.8	2.1	-119.92	19.1	-102.7	116.9	113.5	3.45	33.904		
1,100.0	1,099.2	1,079.0	1,072.5	2.0	2.5	-119.71	24.2	-120.3	137.7	133.9	3.83	36.000		
1,200.0	1,199.0	1,176.8	1,168.5	2.2	2.8	-119.56	29.3	-138.0	158.5	154.3	4.20	37.705		
1,300.0	1,298.8	1,274.6	1,264.6	2.4	3.2	-119.44	34.4	-155.6	179.4	174.8	4.59	39.118		
1,400.0	1,398.7	1,372.4	1,360.7	2.6	3.5	-119.35	39.5	-173.3	200.2	195.2	4.97	40.306		
1,500.0	1,498.5	1,470.3	1,456.7	2.8	3.9	-119.27	44.5	-190.9	221.0	215.7	5.35	41.320		
1,600.0	1,598.3	1,568.1	1,552.8	3.0	4.3	-119.21	49.6	-208.5	241.8	236.1	5.73	42.194		
1,700.0	1,698.2	1,665.9	1,648.9	3.2	4.6	-119.16	54.7	-226.2	262.6	256.5	6.11	42.956		
1,800.0	1,798.0	1,763.7	1,745.0	3.4	5.0	-119.11	59.8	-243.8	283.5	277.0	6.50	43.625		
1,900.0	1,897.8	1,861.5	1,841.0	3.6	5.3	-119.07	64.8	-261.5	304.3	297.4	6.88	44.217		
2,000.0	1,997.6	1,959.3	1,937.1	3.8	5.7	-119.04	69.9	-279.1	325.1	317.8	7.27	44.745		
2,100.0	2,097.5	2,057.1	2,033.2	4.0	6.1	-119.01	75.0	-296.8	345.9	338.3	7.65	45.219		
2,200.0	2,197.3	2,154.9	2,129.2	4.2	6.4	-118.98	80.1	-314.4	366.7	358.7	8.03	45.647		
2,300.0	2,297.1	2,252.7	2,225.3	4.4	6.8	-118.96	85.2	-332.0	387.6	379.2	8.42	46.034		
2,400.0	2,397.0	2,350.5	2,321.4	4.6	7.2	-118.94	90.2	-349.7	408.4	399.6	8.80	46.387		
2,500.0	2,496.8	2,448.3	2,417.4	4.8	7.5	-118.92	95.3	-367.3	429.2	420.0	9.19	46.709		
2,600.0	2,596.6	2,546.1	2,513.5	5.0	7.9	-118.90	100.4	-385.0	450.0	440.5	9.57	47.005		
2,700.0	2,696.4	2,644.0	2,609.6	5.2	8.3	-118.88	105.5	-402.6	470.9	460.9	9.96	47.278		
2,800.0	2,796.3	2,741.8	2,705.7	5.4	8.6	-118.87	110.6	-420.2	491.7	481.3	10.34	47.530		
2,900.0	2,896.1	2,839.6	2,801.7	5.6	9.0	-118.86	115.6	-437.9	512.5	501.8	10.73	47.764		
3,000.0	2,995.9	2,937.4	2,897.8	5.8	9.4	-118.84	120.7	-455.5	533.3	522.2	11.12	47.981		
3,100.0	3,095.8	3,035.2	2,993.9	6.0	9.7	-118.83	125.8	-473.2	554.1	542.6	11.50	48.183		
3,200.0	3,195.6	3,133.0	3,089.9	6.2	10.1	-118.82	130.9	-490.8	575.0	563.1	11.89	48.372		
3,300.0	3,295.4	3,230.8	3,186.0	6.4	10.5	-118.81	135.9	-508.5	595.8	583.5	12.27	48.549		
3,400.0	3,395.2	3,328.6	3,282.1	6.6	10.8	-118.80	141.0	-526.1	616.6	604.0	12.66	48.715		
3,500.0	3,495.1	3,426.4	3,378.1	6.8	11.2	-118.79	146.1	-543.7	637.4	624.4	13.04	48.870		
3,600.0	3,594.9	3,524.2	3,474.2	7.0	11.6	-118.79	151.2	-561.4	658.3	644.8	13.43	49.017		
3,700.0	3,694.7	3,622.0	3,570.3	7.2	11.9	-118.78	156.3	-579.0	679.1	665.3	13.81	49.156		
3,800.0	3,794.6	3,719.8	3,666.4	7.4	12.3	-118.77	161.3	-596.7	699.9	685.7	14.20	49.286		
3,900.0	3,894.4	3,817.6	3,762.4	7.6	12.7	-118.76	166.4	-614.3	720.7	706.1	14.59	49.410		
4,000.0	3,994.2	3,915.5	3,858.5	7.8	13.0	-118.76	171.5	-631.9	741.5	726.6	14.97	49.528		
4,100.0	4,094.0	4,013.3	3,954.6	8.0	13.4	-118.75	176.6	-649.6	762.4	747.0	15.36	49.639		
4,200.0	4,193.9	4,111.1	4,050.6	8.2	13.8	-118.75	181.7	-667.2	783.2	767.4	15.74	49.745		
4,300.0	4,293.7	4,208.9	4,146.7	8.4	14.1	-118.74	186.7	-684.9	804.0	787.9	16.13	49.845		
4,400.0	4,393.5	4,306.7	4,242.8	8.6	14.5	-118.74	191.8	-702.5	824.8	808.3	16.52	49.941		
4,500.0	4,493.4	4,404.5	4,338.8	8.8	14.9	-118.73	196.9	-720.2	845.7	828.8	16.90	50.033		
4,600.0	4,593.2	4,502.3	4,434.9	9.0	15.2	-118.73	202.0	-737.8	866.5	849.2	17.29	50.120		
4,700.0	4,693.0	4,600.1	4,531.0	9.2	15.6	-118.72	207.0	-755.4	887.3	869.6	17.67	50.204		
4,800.0	4,792.8	4,697.9	4,627.1	9.4	16.0	-118.72	212.1	-773.1	908.1	890.1	18.06	50.284		
4,900.0	4,892.7	4,795.7	4,723.1	9.6	16.3	-118.71	217.2	-790.7	929.0	910.5	18.45	50.360		
5,000.0	4,992.5	4,893.5	4,819.2	9.8	16.7	-118.71	222.3	-808.4	949.8	930.9	18.83	50.433		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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

<b>Offset Design</b> S32-T2N-R64W (Newman) - Newman 2D-32H-C264 - HZ - Plan #1													<b>Offset Site Error:</b> 0.0 ft
Survey Program: 0-Geolink MWD													<b>Offset Well Error:</b> 0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,100.0	5,092.3	4,991.3	4,915.3	10.0	17.1	-118.71	227.4	-826.0	970.6	951.4	19.22	50.504	
5,200.0	5,192.2	5,089.2	5,011.3	10.2	17.4	-118.70	232.4	-843.6	991.4	971.8	19.60	50.571	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.33	0.4	-29.9	30.0					
100.0	100.0	98.0	98.0	0.1	0.1	-89.33	0.4	-29.9	29.9	29.7	0.24	123.744		
200.0	200.0	198.0	198.0	0.3	0.3	-89.33	0.4	-29.9	29.9	29.3	0.59	50.742		
300.0	300.0	298.0	298.0	0.5	0.5	-89.33	0.4	-29.9	29.9	29.0	0.94	31.879		
400.0	400.0	398.0	398.0	0.6	0.6	-89.33	0.4	-29.9	29.9	28.6	1.29	23.240 CC, ES		
500.0	500.0	497.5	497.5	0.8	0.8	-119.21	0.6	-30.7	31.1	29.5	1.64	19.024		
600.0	600.0	596.9	596.9	1.0	1.0	-121.43	1.5	-33.1	34.8	32.9	1.99	17.529		
700.0	699.9	696.1	696.0	1.2	1.2	-124.21	3.0	-37.1	41.1	38.8	2.34	17.549		
800.0	799.7	795.0	794.7	1.4	1.4	-126.61	5.1	-42.7	49.8	47.1	2.70	18.422		
900.0	899.5	893.6	893.0	1.6	1.6	-127.58	7.8	-49.8	60.1	57.1	3.07	19.587		
1,000.0	999.4	991.9	990.9	1.8	1.8	-127.59	11.1	-58.5	72.0	68.5	3.44	20.912		
1,100.0	1,099.2	1,089.9	1,088.2	2.0	2.0	-127.05	14.9	-68.8	85.3	81.4	3.82	22.344		
1,200.0	1,199.0	1,187.4	1,184.9	2.2	2.3	-126.19	19.3	-80.5	100.1	95.9	4.19	23.856		
1,300.0	1,298.8	1,284.4	1,280.9	2.4	2.6	-125.17	24.3	-93.7	116.4	111.8	4.58	25.431		
1,400.0	1,398.7	1,381.8	1,377.0	2.6	2.9	-124.12	29.7	-108.3	134.0	129.1	4.96	27.030		
1,500.0	1,498.5	1,480.1	1,474.1	2.8	3.2	-123.26	35.4	-123.4	152.0	146.6	5.35	28.435		
1,600.0	1,598.3	1,578.5	1,571.1	3.0	3.5	-122.59	41.0	-138.4	170.0	164.2	5.73	29.654		
1,700.0	1,698.2	1,676.8	1,668.1	3.2	3.8	-122.04	46.6	-153.4	187.9	181.8	6.12	30.719		
1,800.0	1,798.0	1,775.2	1,765.2	3.4	4.1	-121.59	52.2	-168.4	205.9	199.4	6.51	31.659		
1,900.0	1,897.8	1,873.6	1,862.2	3.6	4.4	-121.21	57.8	-183.4	224.0	217.1	6.89	32.494		
2,000.0	1,997.6	1,971.9	1,959.3	3.8	4.7	-120.89	63.5	-198.4	242.0	234.7	7.28	33.240		
2,100.0	2,097.5	2,070.3	2,056.3	4.0	5.1	-120.61	69.1	-213.4	260.0	252.3	7.67	33.911		
2,200.0	2,197.3	2,168.6	2,153.3	4.2	5.4	-120.37	74.7	-228.4	278.0	270.0	8.05	34.517		
2,300.0	2,297.1	2,267.0	2,250.4	4.4	5.7	-120.16	80.3	-243.4	296.1	287.6	8.44	35.067		
2,400.0	2,397.0	2,365.3	2,347.4	4.6	6.0	-119.97	86.0	-258.4	314.1	305.3	8.83	35.570		
2,500.0	2,496.8	2,463.7	2,444.5	4.8	6.4	-119.80	91.6	-273.4	332.1	322.9	9.22	36.029		
2,600.0	2,596.6	2,562.0	2,541.5	5.0	6.7	-119.65	97.2	-288.4	350.2	340.6	9.61	36.452		
2,700.0	2,696.4	2,660.4	2,638.5	5.2	7.0	-119.51	102.8	-303.4	368.2	358.2	10.00	36.842		
2,800.0	2,796.3	2,758.7	2,735.6	5.4	7.3	-119.39	108.4	-318.4	386.3	375.9	10.38	37.202		
2,900.0	2,896.1	2,857.1	2,832.6	5.6	7.7	-119.28	114.1	-333.4	404.3	393.6	10.77	37.536		
3,000.0	2,995.9	2,955.5	2,929.7	5.8	8.0	-119.18	119.7	-348.4	422.4	411.2	11.16	37.848		
3,100.0	3,095.8	3,053.8	3,026.7	6.0	8.3	-119.08	125.3	-363.4	440.4	428.9	11.55	38.138		
3,200.0	3,195.6	3,152.2	3,123.8	6.2	8.6	-119.00	130.9	-378.4	458.5	446.5	11.94	38.409		
3,300.0	3,295.4	3,250.5	3,220.8	6.4	9.0	-118.92	136.6	-393.4	476.5	464.2	12.33	38.663		
3,400.0	3,395.2	3,348.9	3,317.8	6.6	9.3	-118.84	142.2	-408.4	494.6	481.9	12.71	38.901		
3,500.0	3,495.1	3,447.2	3,414.9	6.8	9.6	-118.77	147.8	-423.4	512.6	499.5	13.10	39.125		
3,600.0	3,594.9	3,545.6	3,511.9	7.0	9.9	-118.71	153.4	-438.4	530.7	517.2	13.49	39.337		
3,700.0	3,694.7	3,643.9	3,609.0	7.2	10.3	-118.65	159.0	-453.4	548.8	534.9	13.88	39.536		
3,800.0	3,794.6	3,742.3	3,706.0	7.4	10.6	-118.59	164.7	-468.4	566.8	552.5	14.27	39.725		
3,900.0	3,894.4	3,840.7	3,803.0	7.6	10.9	-118.54	170.3	-483.4	584.9	570.2	14.66	39.903		
4,000.0	3,994.2	3,939.0	3,900.1	7.8	11.3	-118.49	175.9	-498.4	602.9	587.9	15.05	40.073		
4,100.0	4,094.0	4,037.4	3,997.1	8.0	11.6	-118.44	181.5	-513.4	621.0	605.6	15.43	40.233		
4,200.0	4,193.9	4,135.7	4,094.2	8.2	11.9	-118.40	187.2	-528.4	639.0	623.2	15.82	40.386		
4,300.0	4,293.7	4,234.1	4,191.2	8.4	12.3	-118.36	192.8	-543.4	657.1	640.9	16.21	40.531		
4,400.0	4,393.5	4,332.4	4,288.2	8.6	12.6	-118.32	198.4	-558.4	675.2	658.6	16.60	40.670		
4,500.0	4,493.4	4,430.8	4,385.3	8.8	12.9	-118.28	204.0	-573.4	693.2	676.2	16.99	40.802		
4,600.0	4,593.2	4,529.1	4,482.3	9.0	13.2	-118.25	209.6	-588.4	711.3	693.9	17.38	40.929		
4,700.0	4,693.0	4,627.5	4,579.4	9.2	13.6	-118.21	215.3	-603.4	729.3	711.6	17.77	41.049		
4,800.0	4,792.8	4,725.8	4,676.4	9.4	13.9	-118.18	220.9	-618.4	747.4	729.2	18.16	41.165		
4,900.0	4,892.7	4,824.2	4,773.5	9.6	14.2	-118.15	226.5	-633.4	765.5	746.9	18.55	41.276		
5,000.0	4,992.5	4,922.6	4,870.5	9.8	14.6	-118.12	232.1	-648.4	783.5	764.6	18.93	41.382		
5,100.0	5,092.3	5,020.9	4,967.5	10.0	14.9	-118.09	237.8	-663.4	801.6	782.3	19.32	41.484		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,192.2	5,119.3	5,064.6	10.2	15.2	-118.07	243.4	-678.4	819.6	799.9	19.71	41.581		
5,300.0	5,292.0	5,232.9	5,176.9	10.4	15.6	-118.06	249.5	-694.8	836.8	816.7	20.13	41.577		
5,400.0	5,391.8	5,347.7	5,290.6	10.6	15.9	-118.11	254.9	-709.1	852.2	831.6	20.54	41.481		
5,500.0	5,491.6	5,463.0	5,405.2	10.8	16.2	-118.21	259.5	-721.4	865.6	844.7	20.96	41.302		
5,600.0	5,591.5	5,578.9	5,520.5	11.0	16.4	-118.36	263.3	-731.6	877.2	855.8	21.37	41.043		
5,700.0	5,691.3	5,695.2	5,636.5	11.2	16.7	-118.58	266.3	-739.6	886.9	865.1	21.79	40.702		
5,800.0	5,791.2	5,811.9	5,753.1	11.4	16.9	-118.80	268.5	-745.4	894.0	871.8	22.19	40.282		
5,900.0	5,891.2	5,929.0	5,870.1	11.6	17.0	-118.93	269.8	-749.1	898.5	875.9	22.58	39.798		
6,000.0	5,991.1	6,046.2	5,987.3	11.7	17.2	-118.98	270.3	-750.4	900.1	877.2	22.93	39.251		
6,100.0	6,091.1	6,148.0	6,089.1	11.9	17.3	-89.98	270.4	-750.4	900.1	876.9	23.25	38.708		
6,200.0	6,191.1	6,248.0	6,189.1	12.0	17.4	-89.98	270.4	-750.4	900.1	876.6	23.57	38.183		
6,300.0	6,291.1	6,348.0	6,289.1	12.2	17.5	-89.98	270.4	-750.4	900.1	876.2	23.89	37.671		
6,400.0	6,391.1	6,448.0	6,389.2	12.4	17.6	-89.98	270.3	-750.4	900.1	875.9	24.22	37.172		
6,424.3	6,415.4	6,472.3	6,413.4	12.4	17.6	-90.04	269.4	-750.4	900.1	875.9	24.28	37.071		
6,500.0	6,491.1	6,546.9	6,487.3	12.5	17.6	-90.61	260.4	-750.4	900.2	875.7	24.48	36.766		
6,600.0	6,591.1	6,639.7	6,576.8	12.7	17.6	-92.17	235.9	-750.4	900.9	876.1	24.71	36.452		
6,700.0	6,690.8	6,725.3	6,654.8	12.8	17.6	85.74	200.7	-750.4	903.0	878.1	24.85	36.341		
6,800.0	6,787.8	6,807.3	6,723.8	12.8	17.5	83.74	156.5	-750.4	906.1	881.3	24.82	36.501		
6,900.0	6,879.3	6,886.5	6,783.8	12.7	17.5	81.91	104.9	-750.4	909.9	885.2	24.71	36.830		
7,000.0	6,962.4	6,963.6	6,834.8	12.6	17.6	80.28	47.3	-750.4	914.0	889.4	24.57	37.199		
7,100.0	7,034.6	7,038.9	6,876.7	12.7	17.6	78.89	-15.2	-750.4	918.0	893.4	24.58	37.343		
7,200.0	7,093.7	7,113.0	6,909.6	12.8	17.8	77.77	-81.5	-750.4	921.5	896.7	24.77	37.205		
7,300.0	7,137.9	7,186.1	6,933.5	13.1	18.1	76.94	-150.6	-750.4	924.3	899.0	25.31	36.518		
7,400.0	7,165.9	7,258.7	6,948.2	13.7	18.4	76.41	-221.6	-750.4	926.1	899.9	26.26	35.270		
7,500.0	7,176.9	7,330.9	6,953.9	14.4	18.8	76.21	-293.6	-750.4	926.8	899.2	27.62	33.557		
7,600.0	7,177.0	7,427.4	6,954.0	15.3	19.5	76.21	-390.1	-750.4	926.9	897.4	29.41	31.515		
7,700.0	7,177.0	7,527.4	6,954.0	16.3	20.3	76.21	-490.1	-750.4	926.9	895.4	31.46	29.457		
7,800.0	7,177.0	7,627.4	6,954.0	17.5	21.2	76.21	-590.1	-750.4	926.9	893.1	33.74	27.471		
7,900.0	7,177.0	7,727.4	6,954.0	18.7	22.2	76.21	-690.1	-750.4	926.9	890.7	36.19	25.609		
8,000.0	7,177.0	7,827.4	6,954.0	20.1	23.4	76.21	-790.1	-750.4	926.9	888.1	38.79	23.893		
8,100.0	7,177.0	7,927.4	6,954.0	21.4	24.6	76.21	-890.1	-750.4	926.9	885.3	41.51	22.330		
8,200.0	7,177.0	8,027.4	6,954.0	22.9	25.8	76.21	-990.1	-750.4	926.9	882.5	44.32	20.914		
8,300.0	7,177.0	8,127.4	6,954.0	24.4	27.1	76.21	-1,090.1	-750.4	926.9	879.6	47.21	19.633		
8,400.0	7,177.0	8,227.4	6,954.0	25.9	28.5	76.21	-1,190.1	-750.4	926.8	876.7	50.16	18.476		
8,500.0	7,177.0	8,327.4	6,954.0	27.4	29.9	76.21	-1,290.1	-750.4	926.8	873.7	53.17	17.431		
8,600.0	7,177.0	8,427.4	6,954.0	29.0	31.4	76.21	-1,390.1	-750.4	926.8	870.6	56.23	16.484		
8,700.0	7,177.0	8,527.4	6,954.0	30.6	32.8	76.21	-1,490.1	-750.4	926.8	867.5	59.32	15.624		
8,800.0	7,177.0	8,627.4	6,954.0	32.2	34.3	76.21	-1,590.1	-750.4	926.8	864.4	62.45	14.842		
8,900.0	7,177.0	8,727.4	6,954.0	33.8	35.8	76.21	-1,690.1	-750.4	926.8	861.2	65.60	14.128		
9,000.0	7,177.0	8,827.4	6,954.0	35.4	37.4	76.21	-1,790.1	-750.4	926.8	858.1	68.78	13.475		
9,100.0	7,177.0	8,927.4	6,954.0	37.1	38.9	76.21	-1,890.1	-750.4	926.8	854.9	71.98	12.876		
9,200.0	7,177.0	9,027.4	6,954.0	38.7	40.5	76.21	-1,990.1	-750.4	926.8	851.6	75.20	12.325		
9,300.0	7,177.0	9,127.4	6,954.0	40.4	42.1	76.21	-2,090.1	-750.4	926.8	848.4	78.43	11.817		
9,400.0	7,177.0	9,227.4	6,954.0	42.0	43.7	76.21	-2,190.1	-750.4	926.8	845.2	81.68	11.347		
9,500.0	7,177.0	9,327.4	6,954.0	43.7	45.3	76.21	-2,290.1	-750.4	926.8	841.9	84.94	10.911		
9,600.0	7,177.0	9,427.4	6,954.0	45.4	46.9	76.21	-2,390.1	-750.4	926.8	838.6	88.22	10.507		
9,700.0	7,177.0	9,527.4	6,954.0	47.1	48.6	76.21	-2,490.1	-750.4	926.8	835.3	91.50	10.130		
9,800.0	7,177.0	9,627.4	6,954.0	48.8	50.2	76.21	-2,590.1	-750.4	926.8	832.0	94.79	9.778		
9,900.0	7,177.0	9,727.4	6,954.0	50.5	51.9	76.21	-2,690.1	-750.4	926.8	828.7	98.09	9.449		
10,000.0	7,177.0	9,827.4	6,954.0	52.2	53.5	76.21	-2,790.1	-750.4	926.8	825.4	101.39	9.141		
10,100.0	7,177.0	9,927.4	6,954.0	53.9	55.2	76.21	-2,890.1	-750.4	926.8	822.1	104.71	8.852		
10,200.0	7,177.0	10,027.4	6,954.0	55.6	56.8	76.21	-2,990.1	-750.4	926.8	818.8	108.02	8.580		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		
10,300.0	7,177.0	10,127.4	6,954.0	57.3	58.5	76.21	-3,090.1	-750.4	926.8	815.5	111.35	8.324		
10,400.0	7,177.0	10,227.4	6,954.0	59.0	60.2	76.21	-3,190.1	-750.4	926.8	812.2	114.68	8.082		
10,500.0	7,177.0	10,327.4	6,954.0	60.7	61.9	76.21	-3,290.1	-750.4	926.8	808.8	118.01	7.854		
10,600.0	7,177.0	10,427.4	6,954.0	62.4	63.6	76.21	-3,390.1	-750.4	926.8	805.5	121.35	7.638		
10,700.0	7,177.0	10,527.4	6,954.0	64.2	65.2	76.21	-3,490.1	-750.4	926.8	802.1	124.69	7.433		
10,800.0	7,177.0	10,627.4	6,954.0	65.9	66.9	76.21	-3,590.1	-750.4	926.8	798.8	128.03	7.239		
10,900.0	7,177.0	10,727.4	6,954.0	67.6	68.6	76.20	-3,690.1	-750.4	926.8	795.4	131.38	7.054		
11,000.0	7,177.0	10,827.4	6,954.0	69.3	70.3	76.20	-3,790.1	-750.4	926.8	792.1	134.73	6.879		
11,100.0	7,177.0	10,927.4	6,954.0	71.0	72.0	76.20	-3,890.1	-750.4	926.8	788.7	138.09	6.712		
11,200.0	7,177.0	11,027.4	6,954.0	72.8	73.7	76.20	-3,990.1	-750.4	926.8	785.4	141.44	6.553		
11,300.0	7,177.0	11,127.4	6,954.0	74.5	75.4	76.20	-4,090.1	-750.4	926.8	782.0	144.80	6.401		
11,400.0	7,177.0	11,227.4	6,954.0	76.2	77.1	76.20	-4,190.1	-750.4	926.8	778.7	148.16	6.255		
11,500.0	7,177.0	11,327.4	6,954.0	78.0	78.9	76.20	-4,290.1	-750.4	926.8	775.3	151.53	6.116		
11,600.0	7,177.0	11,427.4	6,954.0	79.7	80.6	76.20	-4,390.1	-750.4	926.8	771.9	154.89	5.984		
11,700.0	7,177.0	11,527.4	6,954.0	81.4	82.3	76.20	-4,490.1	-750.4	926.8	768.6	158.26	5.856		
11,746.2	7,177.0	11,573.6	6,954.0	82.2	83.1	76.20	-4,536.3	-750.4	926.8	767.0	159.82	5.799		
11,764.5	7,177.0	11,586.8	6,954.0	82.5	83.3	76.20	-4,549.4	-750.4	926.8	766.5	160.35	5.780 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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	0.0	0.0	0.0	0.0	-89.14	0.3	-22.7	22.7					
100.0	100.0	99.0	99.0	0.1	0.1	-89.14	0.3	-22.7	22.7	22.4	0.24	93.208		
200.0	200.0	199.0	199.0	0.3	0.3	-89.14	0.3	-22.7	22.7	22.1	0.59	38.301		
300.0	300.0	299.0	299.0	0.5	0.5	-89.14	0.3	-22.7	22.7	21.7	0.94	24.089		
400.0	400.0	399.0	399.0	0.6	0.6	-89.14	0.3	-22.7	22.7	21.4	1.29	17.570 CC, ES		
500.0	500.0	498.8	498.8	0.8	0.8	-119.80	0.4	-22.8	23.3	21.6	1.64	14.197		
600.0	600.0	598.4	598.4	1.0	1.0	-122.92	1.2	-24.4	26.1	24.1	1.99	13.122		
700.0	699.9	697.8	697.8	1.2	1.2	-126.18	2.9	-27.4	31.5	29.1	2.35	13.412		
800.0	799.7	797.0	796.8	1.4	1.4	-128.53	5.3	-31.9	39.1	36.4	2.71	14.446		
900.0	899.5	896.0	895.6	1.6	1.6	-128.92	8.5	-37.9	48.2	45.1	3.08	15.680		
1,000.0	999.4	994.8	993.9	1.8	1.8	-128.15	12.6	-45.5	58.7	55.2	3.45	17.014		
1,100.0	1,099.2	1,093.2	1,091.8	2.0	2.0	-126.78	17.4	-54.4	70.5	66.7	3.83	18.420		
1,200.0	1,199.0	1,192.1	1,190.0	2.2	2.2	-125.31	22.8	-64.5	83.4	79.2	4.21	19.799		
1,300.0	1,298.8	1,291.2	1,288.5	2.4	2.5	-124.22	28.3	-74.6	96.3	91.7	4.60	20.957		
1,400.0	1,398.7	1,390.4	1,387.0	2.6	2.7	-123.38	33.7	-84.8	109.3	104.3	4.98	21.937		
1,500.0	1,498.5	1,489.5	1,485.5	2.8	3.0	-122.73	39.1	-94.9	122.3	116.9	5.37	22.776		
1,600.0	1,598.3	1,588.6	1,583.9	3.0	3.2	-122.20	44.6	-105.1	135.3	129.5	5.76	23.502		
1,700.0	1,698.2	1,687.8	1,682.4	3.2	3.5	-121.76	50.0	-115.2	148.3	142.2	6.14	24.136		
1,800.0	1,798.0	1,786.9	1,780.9	3.4	3.7	-121.39	55.5	-125.3	161.3	154.8	6.53	24.695		
1,900.0	1,897.8	1,886.1	1,879.4	3.6	4.0	-121.08	60.9	-135.5	174.3	167.4	6.92	25.190		
2,000.0	1,997.6	1,985.2	1,977.8	3.8	4.3	-120.81	66.4	-145.6	187.4	180.1	7.31	25.632		
2,100.0	2,097.5	2,084.4	2,076.3	4.0	4.5	-120.58	71.8	-155.8	200.4	192.7	7.70	26.030		
2,200.0	2,197.3	2,183.5	2,174.8	4.2	4.8	-120.37	77.3	-165.9	213.4	205.3	8.09	26.389		
2,300.0	2,297.1	2,282.7	2,273.3	4.4	5.0	-120.19	82.7	-176.0	226.5	218.0	8.48	26.714		
2,400.0	2,397.0	2,381.8	2,371.7	4.6	5.3	-120.03	88.2	-186.2	239.5	230.6	8.87	27.011		
2,500.0	2,496.8	2,480.9	2,470.2	4.8	5.6	-119.88	93.6	-196.3	252.5	243.3	9.26	27.283		
2,600.0	2,596.6	2,580.1	2,568.7	5.0	5.8	-119.75	99.0	-206.5	265.6	255.9	9.65	27.532		
2,700.0	2,696.4	2,679.2	2,667.2	5.2	6.1	-119.63	104.5	-216.6	278.6	268.6	10.04	27.762		
2,800.0	2,796.3	2,778.4	2,765.6	5.4	6.3	-119.53	109.9	-226.8	291.7	281.2	10.43	27.975		
2,900.0	2,896.1	2,877.5	2,864.1	5.6	6.6	-119.43	115.4	-236.9	304.7	293.9	10.82	28.172		
3,000.0	2,995.9	2,976.7	2,962.6	5.8	6.9	-119.34	120.8	-247.0	317.8	306.5	11.21	28.355		
3,100.0	3,095.8	3,075.8	3,061.1	6.0	7.1	-119.25	126.3	-257.2	330.8	319.2	11.60	28.526		
3,200.0	3,195.6	3,174.9	3,159.5	6.2	7.4	-119.18	131.7	-267.3	343.8	331.9	11.99	28.686		
3,300.0	3,295.4	3,274.1	3,258.0	6.4	7.7	-119.10	137.2	-277.5	356.9	344.5	12.38	28.835		
3,400.0	3,395.2	3,373.2	3,356.5	6.6	7.9	-119.04	142.6	-287.6	369.9	357.2	12.77	28.976		
3,500.0	3,495.1	3,472.4	3,454.9	6.8	8.2	-118.98	148.1	-297.7	383.0	369.8	13.16	29.108		
3,600.0	3,594.9	3,571.5	3,553.4	7.0	8.5	-118.92	153.5	-307.9	396.0	382.5	13.55	29.232		
3,700.0	3,694.7	3,670.7	3,651.9	7.2	8.7	-118.86	158.9	-318.0	409.1	395.1	13.94	29.349		
3,800.0	3,794.6	3,769.8	3,750.4	7.4	9.0	-118.81	164.4	-328.2	422.1	407.8	14.33	29.460		
3,900.0	3,894.4	3,869.0	3,848.8	7.6	9.3	-118.76	169.8	-338.3	435.2	420.5	14.72	29.565		
4,000.0	3,994.2	3,968.1	3,947.3	7.8	9.5	-118.72	175.3	-348.4	448.2	433.1	15.11	29.664		
4,100.0	4,094.0	4,067.2	4,045.8	8.0	9.8	-118.68	180.7	-358.6	461.3	445.8	15.50	29.759		
4,200.0	4,193.9	4,166.4	4,144.3	8.2	10.0	-118.64	186.2	-368.7	474.3	458.4	15.89	29.849		
4,300.0	4,293.7	4,265.5	4,242.7	8.4	10.3	-118.60	191.6	-378.9	487.4	471.1	16.28	29.934		
4,400.0	4,393.5	4,364.7	4,341.2	8.6	10.6	-118.56	197.1	-389.0	500.4	483.8	16.67	30.015		
4,500.0	4,493.4	4,463.8	4,439.7	8.8	10.8	-118.53	202.5	-399.1	513.5	496.4	17.06	30.093		
4,600.0	4,593.2	4,563.0	4,538.2	9.0	11.1	-118.50	208.0	-409.3	526.5	509.1	17.45	30.167		
4,700.0	4,693.0	4,662.1	4,636.6	9.2	11.4	-118.47	213.4	-419.4	539.6	521.7	17.84	30.238		
4,800.0	4,792.8	4,761.3	4,735.1	9.4	11.6	-118.44	218.8	-429.6	552.6	534.4	18.24	30.306		
4,900.0	4,892.7	4,860.4	4,833.6	9.6	11.9	-118.41	224.3	-439.7	565.7	547.1	18.63	30.371		
5,000.0	4,992.5	4,959.5	4,932.1	9.8	12.2	-118.38	229.7	-449.8	578.7	559.7	19.02	30.433		
5,100.0	5,092.3	5,058.7	5,030.5	10.0	12.4	-118.36	235.2	-460.0	591.8	572.4	19.41	30.493		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		
5,200.0	5,192.2	5,157.8	5,129.0	10.2	12.7	-118.33	240.6	-470.1	604.8	585.0	19.80	30.550		
5,300.0	5,292.0	5,257.0	5,227.5	10.4	13.0	-118.31	246.1	-480.3	617.9	597.7	20.19	30.605		
5,400.0	5,391.8	5,356.1	5,326.0	10.6	13.2	-118.28	251.5	-490.4	630.9	610.4	20.58	30.658		
5,500.0	5,491.6	5,465.2	5,434.4	10.8	13.5	-118.30	257.1	-500.8	643.3	622.3	20.99	30.654		
5,600.0	5,591.5	5,575.7	5,544.5	11.0	13.7	-118.40	261.8	-509.5	654.0	632.6	21.39	30.572		
5,700.0	5,691.3	5,686.6	5,655.0	11.2	14.0	-118.59	265.4	-516.3	662.9	641.1	21.80	30.414		
5,800.0	5,791.2	5,797.7	5,766.1	11.4	14.2	-118.80	268.1	-521.2	669.5	647.4	22.19	30.178		
5,900.0	5,891.2	5,909.2	5,877.5	11.6	14.3	-118.93	269.7	-524.3	673.6	651.1	22.55	29.869		
6,000.0	5,991.1	6,020.7	5,989.0	11.7	14.5	-118.98	270.3	-525.4	675.1	652.3	22.90	29.487		
6,100.0	6,091.1	6,121.9	6,090.1	11.9	14.6	-89.97	270.3	-525.5	675.2	651.9	23.22	29.080		
6,200.0	6,191.1	6,221.9	6,190.1	12.0	14.7	-89.97	270.3	-525.5	675.2	651.6	23.54	28.685		
6,300.0	6,291.1	6,321.9	6,290.1	12.2	14.9	-89.97	270.3	-525.5	675.2	651.3	23.86	28.300		
6,400.0	6,391.1	6,421.9	6,390.1	12.4	15.0	-89.97	270.3	-525.5	675.2	651.0	24.18	27.924		
6,500.0	6,491.1	6,521.9	6,490.1	12.5	15.1	-89.97	270.3	-525.5	675.2	650.7	24.50	27.557		
6,600.0	6,591.1	6,621.9	6,590.1	12.7	15.2	-89.97	270.3	-525.5	675.2	650.3	24.82	27.199		
6,700.0	6,690.8	6,721.9	6,689.9	12.8	15.3	90.03	263.7	-525.5	675.2	650.1	25.02	26.989		
6,800.0	6,787.8	6,822.0	6,786.9	12.8	15.3	90.03	240.0	-525.5	675.2	650.1	25.01	26.995		
6,900.0	6,879.3	6,922.0	6,878.4	12.7	15.3	90.03	199.8	-525.5	675.2	650.3	24.89	27.122		
7,000.0	6,962.4	7,022.1	6,961.5	12.6	15.2	90.02	144.3	-525.5	675.2	650.4	24.78	27.249		
7,100.0	7,034.6	7,122.1	7,033.7	12.7	15.2	90.02	75.3	-525.5	675.2	650.4	24.80	27.229		
7,200.0	7,093.7	7,222.2	7,092.8	12.8	15.3	90.01	-5.3	-525.5	675.2	650.1	25.08	26.916		
7,300.0	7,137.9	7,322.2	7,137.0	13.1	15.6	90.01	-94.9	-525.5	675.2	649.4	25.75	26.222		
7,400.0	7,165.9	7,422.2	7,165.0	13.7	16.1	90.01	-190.8	-525.5	675.2	648.3	26.84	25.159		
7,500.0	7,176.9	7,522.2	7,175.9	14.4	16.7	90.00	-290.1	-525.5	675.2	646.8	28.33	23.836		
7,600.0	7,177.0	7,622.2	7,176.0	15.3	17.5	90.00	-390.1	-525.5	675.2	645.0	30.17	22.380		
7,700.0	7,177.0	7,722.2	7,176.0	16.3	18.4	90.00	-490.1	-525.5	675.2	642.9	32.28	20.918		
7,800.0	7,177.0	7,822.2	7,176.0	17.5	19.4	90.00	-590.1	-525.5	675.2	640.5	34.61	19.506		
7,900.0	7,177.0	7,922.2	7,176.0	18.7	20.6	90.00	-690.1	-525.5	675.2	638.0	37.14	18.181		
8,000.0	7,177.0	8,022.2	7,176.0	20.1	21.8	90.00	-790.1	-525.5	675.2	635.3	39.81	16.961		
8,100.0	7,177.0	8,122.2	7,176.0	21.4	23.1	90.00	-890.1	-525.5	675.2	632.6	42.60	15.849		
8,200.0	7,177.0	8,222.2	7,176.0	22.9	24.4	90.00	-990.1	-525.5	675.2	629.7	45.49	14.841		
8,300.0	7,177.0	8,322.2	7,176.0	24.4	25.8	90.00	-1,090.1	-525.5	675.2	626.7	48.47	13.930		
8,400.0	7,177.0	8,422.2	7,176.0	25.9	27.2	90.00	-1,190.1	-525.5	675.1	623.6	51.51	13.108		
8,500.0	7,177.0	8,522.2	7,176.0	27.4	28.7	90.00	-1,290.1	-525.5	675.1	620.5	54.61	12.364		
8,600.0	7,177.0	8,622.2	7,176.0	29.0	30.2	90.00	-1,390.1	-525.5	675.1	617.4	57.75	11.691		
8,700.0	7,177.0	8,722.2	7,176.0	30.6	31.7	90.00	-1,490.1	-525.5	675.1	614.2	60.93	11.080		
8,800.0	7,177.0	8,822.2	7,176.0	32.2	33.3	90.00	-1,590.1	-525.5	675.1	611.0	64.15	10.524		
8,900.0	7,177.0	8,922.2	7,176.0	33.8	34.8	90.00	-1,690.1	-525.5	675.1	607.7	67.40	10.017		
9,000.0	7,177.0	9,022.2	7,176.0	35.4	36.4	90.00	-1,790.1	-525.5	675.1	604.5	70.67	9.553		
9,100.0	7,177.0	9,122.2	7,176.0	37.1	38.0	90.00	-1,890.1	-525.5	675.1	601.2	73.96	9.128		
9,200.0	7,177.0	9,222.2	7,176.0	38.7	39.6	90.00	-1,990.1	-525.5	675.1	597.9	77.28	8.737		
9,300.0	7,177.0	9,322.2	7,176.0	40.4	41.3	90.00	-2,090.1	-525.5	675.1	594.5	80.61	8.376		
9,400.0	7,177.0	9,422.2	7,176.0	42.0	42.9	90.00	-2,190.1	-525.5	675.1	591.2	83.95	8.042		
9,500.0	7,177.0	9,522.2	7,176.0	43.7	44.5	90.00	-2,290.1	-525.5	675.1	587.8	87.31	7.733		
9,600.0	7,177.0	9,622.2	7,176.0	45.4	46.2	90.00	-2,390.1	-525.4	675.1	584.5	90.67	7.446		
9,700.0	7,177.0	9,722.2	7,176.0	47.1	47.8	90.00	-2,490.1	-525.4	675.1	581.1	94.05	7.178		
9,800.0	7,177.0	9,822.2	7,176.0	48.8	49.5	90.00	-2,590.1	-525.4	675.1	577.7	97.44	6.929		
9,900.0	7,177.0	9,922.2	7,176.0	50.5	51.2	90.00	-2,690.1	-525.4	675.1	574.3	100.83	6.696		
10,000.0	7,177.0	10,022.2	7,176.0	52.2	52.9	90.00	-2,790.1	-525.4	675.1	570.9	104.24	6.477		
10,100.0	7,177.0	10,122.2	7,176.0	53.9	54.5	90.00	-2,890.1	-525.4	675.1	567.5	107.65	6.272		
10,200.0	7,177.0	10,222.2	7,176.0	55.6	56.2	90.00	-2,990.1	-525.4	675.1	564.1	111.06	6.079		
10,300.0	7,177.0	10,322.2	7,176.0	57.3	57.9	90.00	-3,090.1	-525.4	675.1	560.7	114.48	5.897		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		
10,400.0	7,177.0	10,422.2	7,176.0	59.0	59.6	90.00	-3,190.1	-525.4	675.1	557.2	117.91	5.726		
10,500.0	7,177.0	10,522.2	7,176.0	60.7	61.3	90.00	-3,290.1	-525.4	675.1	553.8	121.34	5.564		
10,600.0	7,177.0	10,622.2	7,176.0	62.4	63.0	90.00	-3,390.1	-525.4	675.1	550.4	124.78	5.411		
10,700.0	7,177.0	10,722.2	7,176.0	64.2	64.7	90.00	-3,490.1	-525.4	675.1	546.9	128.22	5.266		
10,800.0	7,177.0	10,822.2	7,176.0	65.9	66.4	90.00	-3,590.1	-525.4	675.1	543.5	131.66	5.128		
10,900.0	7,177.0	10,922.2	7,176.0	67.6	68.1	90.00	-3,690.1	-525.4	675.1	540.0	135.11	4.997		
11,000.0	7,177.0	11,022.2	7,176.0	69.3	69.8	90.00	-3,790.1	-525.4	675.1	536.6	138.56	4.873		
11,100.0	7,177.0	11,122.2	7,176.0	71.0	71.6	90.00	-3,890.1	-525.4	675.1	533.1	142.01	4.754		
11,200.0	7,177.0	11,222.2	7,176.0	72.8	73.3	90.00	-3,990.1	-525.4	675.1	529.7	145.46	4.641		
11,300.0	7,177.0	11,322.2	7,176.0	74.5	75.0	90.00	-4,090.1	-525.4	675.1	526.2	148.92	4.533		
11,400.0	7,177.0	11,422.2	7,176.0	76.2	76.7	90.00	-4,190.1	-525.4	675.1	522.8	152.38	4.431		
11,500.0	7,177.0	11,522.2	7,176.0	78.0	78.4	90.00	-4,290.1	-525.4	675.1	519.3	155.84	4.332		
11,600.0	7,177.0	11,622.2	7,176.0	79.7	80.1	90.00	-4,390.1	-525.4	675.1	515.8	159.31	4.238		
11,700.0	7,177.0	11,722.2	7,176.0	81.4	81.9	90.00	-4,490.1	-525.4	675.1	512.4	162.77	4.148		
11,746.7	7,177.0	11,769.0	7,176.0	82.2	82.7	90.00	-4,536.8	-525.4	675.1	510.7	164.39	4.107		
11,764.5	7,177.0	11,783.1	7,176.0	82.5	82.9	90.00	-4,550.9	-525.4	675.1	510.2	164.95	4.093 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-88.76	0.3	-15.1	15.1					
100.0	100.0	99.0	99.0	0.1	0.1	-88.76	0.3	-15.1	15.1	14.9	0.24	62.146		
200.0	200.0	199.0	199.0	0.3	0.3	-88.76	0.3	-15.1	15.1	14.5	0.59	25.537		
300.0	300.0	299.0	299.0	0.5	0.5	-88.76	0.3	-15.1	15.1	14.2	0.94	16.061		
400.0	400.0	399.0	399.0	0.6	0.6	-88.76	0.3	-15.1	15.1	13.8	1.29	11.714 CC, ES		
500.0	500.0	499.0	499.0	0.8	0.8	-120.61	0.3	-15.1	15.5	13.9	1.64	9.477		
600.0	600.0	598.8	598.8	1.0	1.0	-125.70	1.0	-15.6	17.4	15.4	1.99	8.755		
700.0	699.9	698.6	698.5	1.2	1.2	-129.15	3.1	-17.2	21.3	19.0	2.35	9.078		
800.0	799.7	798.2	798.1	1.4	1.4	-130.35	6.6	-19.7	26.9	24.2	2.71	9.909		
900.0	899.5	897.9	897.5	1.6	1.5	-128.64	11.4	-23.3	33.2	30.2	3.08	10.776		
1,000.0	999.4	997.6	997.1	1.8	1.7	-126.82	16.6	-27.2	39.9	36.4	3.46	11.515		
1,100.0	1,099.2	1,097.4	1,096.7	2.0	1.9	-125.51	21.9	-31.1	46.5	42.7	3.84	12.107		
1,200.0	1,199.0	1,197.2	1,196.2	2.2	2.1	-124.54	27.1	-35.0	53.2	49.0	4.23	12.590		
1,300.0	1,298.8	1,296.9	1,295.8	2.4	2.3	-123.78	32.4	-38.9	59.9	55.3	4.61	12.991		
1,400.0	1,398.7	1,396.7	1,395.3	2.6	2.5	-123.17	37.6	-42.8	66.6	61.6	5.00	13.328		
1,500.0	1,498.5	1,496.5	1,494.9	2.8	2.7	-122.68	42.9	-46.7	73.3	68.0	5.39	13.616		
1,600.0	1,598.3	1,596.3	1,594.5	3.0	2.9	-122.27	48.1	-50.6	80.1	74.3	5.77	13.865		
1,700.0	1,698.2	1,696.0	1,694.0	3.2	3.1	-121.92	53.3	-54.5	86.8	80.6	6.16	14.081		
1,800.0	1,798.0	1,795.8	1,793.6	3.4	3.4	-121.62	58.6	-58.3	93.5	86.9	6.55	14.271		
1,900.0	1,897.8	1,895.6	1,893.1	3.6	3.6	-121.36	63.8	-62.2	100.2	93.3	6.94	14.439		
2,000.0	1,997.6	1,995.4	1,992.7	3.8	3.8	-121.14	69.1	-66.1	107.0	99.6	7.33	14.589		
2,100.0	2,097.5	2,095.1	2,092.2	4.0	4.0	-120.94	74.3	-70.0	113.7	106.0	7.72	14.724		
2,200.0	2,197.3	2,194.9	2,191.8	4.2	4.2	-120.76	79.6	-73.9	120.4	112.3	8.11	14.845		
2,300.0	2,297.1	2,294.7	2,291.4	4.4	4.4	-120.60	84.8	-77.8	127.1	118.6	8.50	14.955		
2,400.0	2,397.0	2,394.4	2,390.9	4.6	4.6	-120.46	90.1	-81.7	133.9	125.0	8.89	15.055		
2,500.0	2,496.8	2,494.2	2,490.5	4.8	4.8	-120.33	95.3	-85.6	140.6	131.3	9.28	15.146		
2,600.0	2,596.6	2,594.0	2,590.0	5.0	5.0	-120.21	100.6	-89.5	147.3	137.7	9.67	15.230		
2,700.0	2,696.4	2,693.8	2,689.6	5.2	5.2	-120.11	105.8	-93.4	154.1	144.0	10.06	15.307		
2,800.0	2,796.3	2,793.5	2,789.2	5.4	5.4	-120.01	111.0	-97.3	160.8	150.3	10.46	15.379		
2,900.0	2,896.1	2,893.3	2,888.7	5.6	5.6	-119.92	116.3	-101.2	167.5	156.7	10.85	15.445		
3,000.0	2,995.9	2,993.1	2,988.3	5.8	5.8	-119.84	121.5	-105.1	174.3	163.0	11.24	15.506		
3,100.0	3,095.8	3,092.9	3,087.8	6.0	6.0	-119.76	126.8	-109.0	181.0	169.4	11.63	15.564		
3,200.0	3,195.6	3,192.6	3,187.4	6.2	6.2	-119.69	132.0	-112.9	187.7	175.7	12.02	15.617		
3,300.0	3,295.4	3,292.4	3,286.9	6.4	6.5	-119.62	137.3	-116.8	194.5	182.1	12.41	15.667		
3,400.0	3,395.2	3,392.2	3,386.5	6.6	6.7	-119.56	142.5	-120.6	201.2	188.4	12.80	15.714		
3,500.0	3,495.1	3,491.9	3,486.1	6.8	6.9	-119.50	147.8	-124.5	207.9	194.7	13.20	15.758		
3,600.0	3,594.9	3,591.7	3,585.6	7.0	7.1	-119.45	153.0	-128.4	214.7	201.1	13.59	15.800		
3,700.0	3,694.7	3,691.5	3,685.2	7.2	7.3	-119.40	158.3	-132.3	221.4	207.4	13.98	15.839		
3,800.0	3,794.6	3,791.3	3,784.7	7.4	7.5	-119.35	163.5	-136.2	228.2	213.8	14.37	15.876		
3,900.0	3,894.4	3,891.0	3,884.3	7.6	7.7	-119.31	168.7	-140.1	234.9	220.1	14.76	15.911		
4,000.0	3,994.2	3,990.8	3,983.9	7.8	7.9	-119.26	174.0	-144.0	241.6	226.5	15.15	15.944		
4,100.0	4,094.0	4,090.6	4,083.4	8.0	8.1	-119.22	179.2	-147.9	248.4	232.8	15.55	15.975		
4,200.0	4,193.9	4,190.4	4,183.0	8.2	8.3	-119.19	184.5	-151.8	255.1	239.2	15.94	16.005		
4,300.0	4,293.7	4,290.1	4,282.5	8.4	8.5	-119.15	189.7	-155.7	261.8	245.5	16.33	16.034		
4,400.0	4,393.5	4,389.9	4,382.1	8.6	8.7	-119.11	195.0	-159.6	268.6	251.9	16.72	16.061		
4,500.0	4,493.4	4,489.7	4,481.7	8.8	8.9	-119.08	200.2	-163.5	275.3	258.2	17.11	16.086		
4,600.0	4,593.2	4,589.4	4,581.2	9.0	9.2	-119.05	205.5	-167.4	282.0	264.5	17.51	16.111		
4,700.0	4,693.0	4,689.2	4,680.8	9.2	9.4	-119.02	210.7	-171.3	288.8	270.9	17.90	16.135		
4,800.0	4,792.8	4,789.0	4,780.3	9.4	9.6	-118.99	216.0	-175.2	295.5	277.2	18.29	16.157		
4,900.0	4,892.7	4,888.8	4,879.9	9.6	9.8	-118.97	221.2	-179.0	302.3	283.6	18.68	16.179		
5,000.0	4,992.5	4,988.5	4,979.4	9.8	10.0	-118.94	226.4	-182.9	309.0	289.9	19.07	16.199		
5,100.0	5,092.3	5,088.3	5,079.0	10.0	10.2	-118.92	231.7	-186.8	315.7	296.3	19.47	16.219		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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)				
5,200.0	5,192.2	5,188.1	5,178.6	10.2	10.4	-118.89	236.9	-190.7	322.5	302.6	19.86	16.238		
5,300.0	5,292.0	5,287.9	5,278.1	10.4	10.6	-118.87	242.2	-194.6	329.2	309.0	20.25	16.257		
5,400.0	5,391.8	5,387.6	5,377.7	10.6	10.8	-118.85	247.4	-198.5	335.9	315.3	20.64	16.274		
5,500.0	5,491.6	5,487.4	5,477.2	10.8	11.0	-118.83	252.7	-202.4	342.7	321.6	21.04	16.291		
5,600.0	5,591.5	5,587.2	5,576.8	11.0	11.2	-118.81	257.9	-206.3	349.4	328.0	21.43	16.307		
5,700.0	5,691.3	5,688.9	5,678.4	11.2	11.4	-118.82	263.1	-210.1	356.0	334.2	21.82	16.314		
5,800.0	5,791.2	5,792.7	5,782.0	11.4	11.6	-118.90	267.0	-213.0	361.0	338.8	22.19	16.265		
5,900.0	5,891.2	5,896.6	5,885.8	11.6	11.8	-118.94	269.4	-214.8	364.1	341.5	22.54	16.149		
6,000.0	5,991.1	6,000.5	5,989.8	11.7	12.0	-118.95	270.3	-215.5	365.2	342.3	22.87	15.968		
6,100.0	6,091.1	6,100.9	6,090.1	11.9	12.1	-89.95	270.3	-215.5	365.2	342.0	23.19	15.749		
6,200.0	6,191.1	6,200.9	6,190.1	12.0	12.3	-89.95	270.3	-215.5	365.2	341.7	23.51	15.535		
6,300.0	6,291.1	6,300.9	6,290.1	12.2	12.4	-89.95	270.3	-215.5	365.2	341.4	23.83	15.326		
6,400.0	6,391.1	6,400.9	6,390.1	12.4	12.6	-89.95	270.3	-215.5	365.2	341.1	24.15	15.122		
6,460.0	6,451.1	6,460.8	6,450.1	12.4	12.7	-89.95	270.3	-215.5	365.2	340.9	24.34	15.002		
6,500.0	6,491.1	6,500.7	6,490.0	12.5	12.7	-89.99	270.1	-215.5	365.2	340.7	24.47	14.926		
6,600.0	6,591.1	6,598.1	6,586.6	12.7	12.8	-91.73	259.0	-215.7	365.6	340.9	24.69	14.804		
6,700.0	6,690.8	6,691.2	6,675.9	12.8	12.8	85.01	233.2	-216.2	367.4	342.6	24.77	14.832		
6,800.0	6,787.8	6,781.4	6,757.4	12.8	12.7	81.92	194.8	-216.8	370.5	345.8	24.68	15.009		
6,900.0	6,879.3	6,869.2	6,830.1	12.7	12.7	79.13	145.5	-217.7	374.5	350.0	24.51	15.278		
7,000.0	6,962.4	6,955.1	6,893.0	12.6	12.7	76.68	87.2	-218.7	379.0	354.7	24.34	15.570		
7,100.0	7,034.6	7,039.5	6,945.6	12.7	12.7	74.64	21.4	-219.9	383.7	359.4	24.29	15.799		
7,200.0	7,093.7	7,122.7	6,987.5	12.8	13.0	73.02	-50.4	-221.2	388.1	363.6	24.45	15.871		
7,300.0	7,137.9	7,205.0	7,018.3	13.1	13.3	71.85	-126.6	-222.5	391.9	367.0	24.93	15.723		
7,400.0	7,165.9	7,286.7	7,037.8	13.7	13.8	71.14	-206.0	-223.9	394.9	369.1	25.79	15.314		
7,500.0	7,176.9	7,368.2	7,045.8	14.4	14.4	70.89	-287.0	-225.3	397.0	369.9	27.04	14.678		
7,600.0	7,177.0	7,464.7	7,046.0	15.3	15.3	70.96	-383.4	-227.0	398.6	369.8	28.77	13.852		
7,700.0	7,177.0	7,564.7	7,046.0	16.3	16.3	71.04	-483.4	-228.8	400.2	369.5	30.78	13.004		
7,800.0	7,177.0	7,664.7	7,046.0	17.5	17.5	71.13	-583.4	-230.6	401.9	368.9	33.00	12.179		
7,900.0	7,177.0	7,764.6	7,046.0	18.7	18.7	71.21	-683.3	-232.3	403.6	368.2	35.40	11.401		
8,000.0	7,177.0	7,864.6	7,046.0	20.1	20.0	71.29	-783.3	-234.1	405.2	367.3	37.94	10.681		
8,100.0	7,177.0	7,964.6	7,046.0	21.4	21.4	71.37	-883.3	-235.8	406.9	366.3	40.60	10.023		
8,200.0	7,177.0	8,064.6	7,046.0	22.9	22.8	71.45	-983.2	-237.6	408.6	365.2	43.35	9.425		
8,300.0	7,177.0	8,164.6	7,046.0	24.4	24.3	71.52	-1,083.2	-239.4	410.3	364.1	46.19	8.882		
8,400.0	7,177.0	8,264.6	7,046.0	25.9	25.8	71.60	-1,183.2	-241.1	411.9	362.8	49.09	8.391		
8,500.0	7,177.0	8,364.5	7,046.0	27.4	27.4	71.68	-1,283.1	-242.9	413.6	361.6	52.05	7.947		
8,600.0	7,177.0	8,464.5	7,046.0	29.0	28.9	71.75	-1,383.1	-244.6	415.3	360.2	55.05	7.543		
8,700.0	7,177.0	8,564.5	7,046.0	30.6	30.5	71.83	-1,483.1	-246.4	416.9	358.9	58.10	7.177		
8,800.0	7,177.0	8,664.5	7,046.0	32.2	32.1	71.91	-1,583.1	-248.2	418.6	357.4	61.18	6.843		
8,900.0	7,177.0	8,764.5	7,046.0	33.8	33.7	71.98	-1,683.0	-249.9	420.3	356.0	64.29	6.538		
9,000.0	7,177.0	8,864.5	7,046.0	35.4	35.4	72.05	-1,783.0	-251.7	422.0	354.6	67.42	6.259		
9,100.0	7,177.0	8,964.5	7,046.0	37.1	37.0	72.13	-1,883.0	-253.5	423.7	353.1	70.58	6.002		
9,200.0	7,177.0	9,064.4	7,046.0	38.7	38.7	72.20	-1,982.9	-255.2	425.3	351.6	73.76	5.766		
9,300.0	7,177.0	9,164.4	7,046.0	40.4	40.3	72.27	-2,082.9	-257.0	427.0	350.0	76.96	5.548		
9,400.0	7,177.0	9,264.4	7,046.0	42.0	42.0	72.34	-2,182.9	-258.7	428.7	348.5	80.17	5.347		
9,500.0	7,177.0	9,364.4	7,046.0	43.7	43.7	72.42	-2,282.8	-260.5	430.4	347.0	83.40	5.160		
9,600.0	7,177.0	9,464.4	7,046.0	45.4	45.3	72.49	-2,382.8	-262.3	432.0	345.4	86.64	4.986		
9,700.0	7,177.0	9,564.4	7,046.0	47.1	47.0	72.56	-2,482.8	-264.0	433.7	343.8	89.90	4.825		
9,800.0	7,177.0	9,664.3	7,046.0	48.8	48.7	72.63	-2,582.7	-265.8	435.4	342.2	93.16	4.674		
9,900.0	7,177.0	9,764.3	7,046.0	50.5	50.4	72.69	-2,682.7	-267.5	437.1	340.6	96.44	4.532		
10,000.0	7,177.0	9,864.3	7,046.0	52.2	52.1	72.76	-2,782.7	-269.3	438.8	339.0	99.72	4.400		
10,100.0	7,177.0	9,964.3	7,046.0	53.9	53.8	72.83	-2,882.6	-271.1	440.5	337.4	103.01	4.276		
10,200.0	7,177.0	10,064.3	7,046.0	55.6	55.5	72.90	-2,982.6	-272.8	442.1	335.8	106.31	4.159		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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	7,177.0	10,164.3	7,046.0	57.3	57.2	72.97	-3,082.6	-274.6	443.8	334.2	109.62	4.049	
10,400.0	7,177.0	10,264.3	7,046.0	59.0	58.9	73.03	-3,182.6	-276.4	445.5	332.6	112.94	3.945	
10,500.0	7,177.0	10,364.2	7,046.0	60.7	60.7	73.10	-3,282.5	-278.1	447.2	330.9	116.26	3.847	
10,600.0	7,177.0	10,464.2	7,046.0	62.4	62.4	73.16	-3,382.5	-279.9	448.9	329.3	119.58	3.754	
10,700.0	7,177.0	10,564.2	7,046.0	64.2	64.1	73.23	-3,482.5	-281.6	450.6	327.6	122.92	3.666	
10,800.0	7,177.0	10,664.2	7,046.0	65.9	65.8	73.29	-3,582.4	-283.4	452.2	326.0	126.26	3.582	
10,900.0	7,177.0	10,764.2	7,046.0	67.6	67.5	73.36	-3,682.4	-285.2	453.9	324.3	129.60	3.503	
11,000.0	7,177.0	10,864.2	7,046.0	69.3	69.3	73.42	-3,782.4	-286.9	455.6	322.7	132.95	3.427	
11,100.0	7,177.0	10,964.1	7,046.0	71.0	71.0	73.48	-3,882.3	-288.7	457.3	321.0	136.30	3.355	
11,200.0	7,177.0	11,064.1	7,046.0	72.8	72.7	73.54	-3,982.3	-290.5	459.0	319.4	139.65	3.287	
11,300.0	7,177.0	11,164.1	7,046.0	74.5	74.4	73.61	-4,082.3	-292.2	460.7	317.7	143.01	3.221	
11,400.0	7,177.0	11,264.1	7,046.0	76.2	76.2	73.67	-4,182.2	-294.0	462.4	316.0	146.38	3.159	
11,500.0	7,177.0	11,364.1	7,046.0	78.0	77.9	73.73	-4,282.2	-295.7	464.1	314.3	149.75	3.099	
11,600.0	7,177.0	11,464.1	7,046.0	79.7	79.6	73.79	-4,382.2	-297.5	465.8	312.7	153.12	3.042	
11,700.0	7,177.0	11,564.1	7,046.0	81.4	81.4	73.85	-4,482.2	-299.3	467.5	311.0	156.49	2.987	
11,764.5	7,177.0	11,628.5	7,046.0	82.5	82.5	73.89	-4,546.6	-300.4	468.6	309.9	158.67	2.953 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.90	0.0	-7.6	7.6					
100.0	100.0	99.0	99.0	0.1	0.1	-89.90	0.0	-7.6	7.6	7.3	0.24	31.066		
200.0	200.0	199.0	199.0	0.3	0.3	-89.90	0.0	-7.6	7.6	7.0	0.59	12.765		
300.0	300.0	299.0	299.0	0.5	0.5	-89.90	0.0	-7.6	7.6	6.6	0.94	8.029		
400.0	400.0	399.0	399.0	0.6	0.6	-89.90	0.0	-7.6	7.6	6.3	1.29	5.856 CC, ES		
500.0	500.0	499.0	499.0	0.8	0.8	-122.90	0.2	-7.6	8.0	6.4	1.64	4.908		
600.0	600.0	598.9	598.9	1.0	1.0	-125.81	1.9	-8.0	9.8	7.8	1.99	4.914		
700.0	699.9	698.9	698.8	1.2	1.2	-126.21	5.3	-8.9	12.8	10.4	2.35	5.434		
800.0	799.7	798.8	798.6	1.4	1.4	-124.95	10.1	-10.1	16.8	14.1	2.72	6.166		
900.0	899.5	898.7	898.3	1.6	1.5	-123.72	15.3	-11.4	20.9	17.8	3.10	6.745		
1,000.0	999.4	998.6	998.1	1.8	1.7	-122.90	20.4	-12.7	25.0	21.5	3.48	7.193		
1,100.0	1,099.2	1,098.5	1,097.9	2.0	1.9	-122.30	25.5	-14.0	29.1	25.3	3.86	7.549		
1,200.0	1,199.0	1,198.4	1,197.7	2.2	2.1	-121.86	30.7	-15.3	33.3	29.0	4.24	7.838		
1,300.0	1,298.8	1,298.4	1,297.4	2.4	2.3	-121.51	35.8	-16.6	37.4	32.8	4.63	8.077		
1,400.0	1,398.7	1,398.3	1,397.2	2.6	2.5	-121.23	40.9	-17.9	41.5	36.5	5.02	8.278		
1,500.0	1,498.5	1,498.2	1,497.0	2.8	2.7	-121.01	46.1	-19.2	45.7	40.2	5.40	8.449		
1,600.0	1,598.3	1,598.1	1,596.8	3.0	2.9	-120.82	51.2	-20.4	49.8	44.0	5.79	8.596		
1,700.0	1,698.2	1,698.0	1,696.5	3.2	3.1	-120.66	56.3	-21.7	53.9	47.7	6.18	8.724		
1,800.0	1,798.0	1,797.9	1,796.3	3.4	3.3	-120.52	61.5	-23.0	58.0	51.5	6.57	8.837		
1,900.0	1,897.8	1,897.8	1,896.1	3.6	3.5	-120.40	66.6	-24.3	62.2	55.2	6.96	8.936		
2,000.0	1,997.6	1,997.8	1,995.9	3.8	3.7	-120.29	71.8	-25.6	66.3	59.0	7.35	9.024		
2,100.0	2,097.5	2,097.7	2,095.6	4.0	3.9	-120.20	76.9	-26.9	70.4	62.7	7.74	9.104		
2,200.0	2,197.3	2,197.6	2,195.4	4.2	4.1	-120.12	82.0	-28.2	74.6	66.4	8.13	9.175		
2,300.0	2,297.1	2,297.5	2,295.2	4.4	4.3	-120.05	87.2	-29.5	78.7	70.2	8.52	9.240		
2,400.0	2,397.0	2,397.4	2,395.0	4.6	4.5	-119.98	92.3	-30.8	82.8	73.9	8.91	9.299		
2,500.0	2,496.8	2,497.3	2,494.7	4.8	4.7	-119.92	97.4	-32.1	87.0	77.7	9.30	9.352		
2,600.0	2,596.6	2,597.2	2,594.5	5.0	4.9	-119.87	102.6	-33.4	91.1	81.4	9.69	9.402		
2,700.0	2,696.4	2,697.2	2,694.3	5.2	5.1	-119.82	107.7	-34.7	95.2	85.1	10.08	9.447		
2,800.0	2,796.3	2,797.1	2,794.1	5.4	5.3	-119.77	112.8	-36.0	99.4	88.9	10.47	9.489		
2,900.0	2,896.1	2,897.0	2,893.8	5.6	5.5	-119.73	118.0	-37.3	103.5	92.6	10.86	9.528		
3,000.0	2,995.9	2,996.9	2,993.6	5.8	5.6	-119.69	123.1	-38.6	107.6	96.4	11.25	9.564		
3,100.0	3,095.8	3,096.8	3,093.4	6.0	5.8	-119.65	128.2	-39.8	111.7	100.1	11.64	9.598		
3,200.0	3,195.6	3,196.7	3,193.2	6.2	6.0	-119.62	133.4	-41.1	115.9	103.8	12.03	9.629		
3,300.0	3,295.4	3,296.6	3,292.9	6.4	6.2	-119.59	138.5	-42.4	120.0	107.6	12.43	9.658		
3,400.0	3,395.2	3,396.6	3,392.7	6.6	6.4	-119.56	143.6	-43.7	124.1	111.3	12.82	9.686		
3,500.0	3,495.1	3,496.5	3,492.5	6.8	6.6	-119.53	148.8	-45.0	128.3	115.1	13.21	9.712		
3,600.0	3,594.9	3,596.4	3,592.2	7.0	6.8	-119.51	153.9	-46.3	132.4	118.8	13.60	9.736		
3,700.0	3,694.7	3,696.3	3,692.0	7.2	7.0	-119.48	159.0	-47.6	136.5	122.6	13.99	9.759		
3,800.0	3,794.6	3,796.2	3,791.8	7.4	7.2	-119.46	164.2	-48.9	140.7	126.3	14.38	9.781		
3,900.0	3,894.4	3,896.1	3,891.6	7.6	7.4	-119.44	169.3	-50.2	144.8	130.0	14.77	9.801		
4,000.0	3,994.2	3,996.0	3,991.3	7.8	7.6	-119.42	174.5	-51.5	148.9	133.8	15.17	9.821		
4,100.0	4,094.0	4,096.0	4,091.1	8.0	7.8	-119.40	179.6	-52.8	153.1	137.5	15.56	9.839		
4,200.0	4,193.9	4,195.9	4,190.9	8.2	8.0	-119.38	184.7	-54.1	157.2	141.3	15.95	9.857		
4,300.0	4,293.7	4,295.8	4,290.7	8.4	8.2	-119.37	189.9	-55.4	161.3	145.0	16.34	9.873		
4,400.0	4,393.5	4,395.7	4,390.4	8.6	8.4	-119.35	195.0	-56.7	165.5	148.7	16.73	9.889		
4,500.0	4,493.4	4,495.6	4,490.2	8.8	8.6	-119.33	200.1	-58.0	169.6	152.5	17.12	9.904		
4,600.0	4,593.2	4,595.5	4,590.0	9.0	8.8	-119.32	205.3	-59.2	173.7	156.2	17.52	9.919		
4,700.0	4,693.0	4,695.4	4,689.8	9.2	9.0	-119.31	210.4	-60.5	177.9	160.0	17.91	9.932		
4,800.0	4,792.8	4,795.4	4,789.5	9.4	9.2	-119.29	215.5	-61.8	182.0	163.7	18.30	9.946		
4,900.0	4,892.7	4,895.3	4,889.3	9.6	9.4	-119.28	220.7	-63.1	186.1	167.4	18.69	9.958		
5,000.0	4,992.5	4,995.2	4,989.1	9.8	9.6	-119.27	225.8	-64.4	190.3	171.2	19.08	9.970		
5,100.0	5,092.3	5,095.1	5,088.9	10.0	9.8	-119.26	230.9	-65.7	194.4	174.9	19.47	9.982		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,192.2	5,195.0	5,188.6	10.2	10.0	-119.24	236.1	-67.0	198.5	178.7	19.87	9.993		
5,300.0	5,292.0	5,294.9	5,288.4	10.4	10.2	-119.23	241.2	-68.3	202.7	182.4	20.26	10.004		
5,400.0	5,391.8	5,394.8	5,388.2	10.6	10.4	-119.22	246.3	-69.6	206.8	186.1	20.65	10.014		
5,500.0	5,491.6	5,494.8	5,488.0	10.8	10.6	-119.21	251.5	-70.9	210.9	189.9	21.04	10.024		
5,600.0	5,591.5	5,594.7	5,587.7	11.0	10.8	-119.20	256.6	-72.2	215.1	193.6	21.43	10.034		
5,700.0	5,691.3	5,694.6	5,687.5	11.2	11.0	-119.19	261.7	-73.5	219.2	197.3	21.83	10.041		
5,800.0	5,791.2	5,795.4	5,788.2	11.4	11.2	-119.09	266.2	-74.6	222.5	200.3	22.20	10.022		
5,900.0	5,891.2	5,896.3	5,889.1	11.6	11.3	-119.03	269.0	-75.3	224.5	201.9	22.54	9.959		
6,000.0	5,991.1	5,997.3	5,990.1	11.7	11.5	-119.00	270.0	-75.6	225.2	202.4	22.86	9.852		
6,100.0	6,091.1	6,097.4	6,090.1	11.9	11.6	-90.00	270.0	-75.6	225.3	202.1	23.18	9.717		
6,200.0	6,191.1	6,197.4	6,190.1	12.0	11.8	-90.00	270.0	-75.6	225.3	201.8	23.50	9.585		
6,300.0	6,291.1	6,297.4	6,290.1	12.2	12.0	-90.00	270.0	-75.6	225.3	201.4	23.82	9.456		
6,365.7	6,356.8	6,363.1	6,355.8	12.3	12.1	-90.00	270.0	-75.6	225.3	201.2	24.03	9.373		
6,400.0	6,391.1	6,397.4	6,390.1	12.4	12.1	-90.01	270.0	-75.6	225.3	201.1	24.14	9.331		
6,421.2	6,412.4	6,418.6	6,411.3	12.4	12.1	-90.19	269.3	-75.6	225.3	201.1	24.19	9.310		
6,500.0	6,491.1	6,496.1	6,488.3	12.5	12.2	-92.52	260.1	-75.6	225.5	201.1	24.34	9.264		
6,600.0	6,591.1	6,588.9	6,577.6	12.7	12.2	-98.69	235.6	-75.6	228.2	203.8	24.39	9.357		
6,700.0	6,690.8	6,674.5	6,655.6	12.8	12.1	73.35	200.5	-75.6	236.4	212.1	24.27	9.739		
6,800.0	6,787.8	6,756.5	6,724.6	12.8	12.1	66.28	156.3	-75.6	248.1	224.1	24.01	10.335		
6,900.0	6,879.3	6,835.7	6,784.6	12.7	12.0	60.36	104.7	-75.6	261.7	238.1	23.63	11.078		
7,000.0	6,962.4	6,912.7	6,835.6	12.6	12.1	55.58	47.1	-75.6	275.6	252.5	23.14	11.910		
7,100.0	7,034.6	6,988.0	6,877.6	12.7	12.2	51.86	-15.4	-75.6	288.5	265.9	22.64	12.745		
7,200.0	7,093.7	7,062.1	6,910.5	12.8	12.5	49.08	-81.6	-75.6	299.5	277.3	22.21	13.486		
7,300.0	7,137.9	7,135.2	6,934.4	13.1	12.8	47.15	-150.7	-75.6	308.0	286.0	22.01	13.991		
7,400.0	7,165.9	7,207.8	6,949.2	13.7	13.3	45.99	-221.7	-75.6	313.4	291.2	22.19	14.125		
7,500.0	7,176.9	7,280.0	6,954.9	14.4	13.9	45.55	-293.6	-75.6	315.5	292.7	22.84	13.816		
7,600.0	7,177.0	7,376.4	6,955.0	15.3	14.8	45.55	-390.1	-75.6	315.6	291.4	24.16	13.064		
7,700.0	7,177.0	7,476.4	6,955.0	16.3	15.9	45.55	-490.1	-75.6	315.6	289.9	25.68	12.287		
7,800.0	7,177.0	7,576.4	6,955.0	17.5	17.0	45.55	-590.1	-75.6	315.6	288.2	27.36	11.535		
7,900.0	7,177.0	7,676.4	6,955.0	18.7	18.3	45.55	-690.1	-75.6	315.6	286.4	29.15	10.824		
8,000.0	7,177.0	7,776.4	6,955.0	20.1	19.7	45.55	-790.1	-75.6	315.6	284.5	31.05	10.163		
8,100.0	7,177.0	7,876.4	6,955.0	21.4	21.1	45.55	-890.1	-75.6	315.6	282.5	33.03	9.554		
8,200.0	7,177.0	7,976.4	6,955.0	22.9	22.5	45.55	-990.1	-75.6	315.6	280.5	35.08	8.996		
8,300.0	7,177.0	8,076.4	6,955.0	24.4	24.0	45.55	-1,090.1	-75.6	315.6	278.4	37.19	8.486		
8,400.0	7,177.0	8,176.4	6,955.0	25.9	25.6	45.55	-1,190.1	-75.5	315.6	276.2	39.34	8.021		
8,500.0	7,177.0	8,276.4	6,955.0	27.4	27.1	45.55	-1,290.1	-75.5	315.6	274.0	41.54	7.597		
8,600.0	7,177.0	8,376.4	6,955.0	29.0	28.7	45.55	-1,390.1	-75.5	315.6	271.8	43.77	7.209		
8,700.0	7,177.0	8,476.4	6,955.0	30.6	30.3	45.54	-1,490.1	-75.5	315.6	269.5	46.03	6.855		
8,800.0	7,177.0	8,576.4	6,955.0	32.2	31.9	45.54	-1,590.1	-75.5	315.6	267.2	48.32	6.531		
8,900.0	7,177.0	8,676.4	6,955.0	33.8	33.5	45.54	-1,690.1	-75.5	315.6	264.9	50.63	6.233		
9,000.0	7,177.0	8,776.4	6,955.0	35.4	35.2	45.54	-1,790.1	-75.5	315.6	262.6	52.95	5.959		
9,100.0	7,177.0	8,876.4	6,955.0	37.1	36.8	45.54	-1,890.1	-75.5	315.6	260.3	55.30	5.706		
9,200.0	7,177.0	8,976.4	6,955.0	38.7	38.5	45.54	-1,990.1	-75.5	315.6	257.9	57.66	5.473		
9,300.0	7,177.0	9,076.4	6,955.0	40.4	40.2	45.54	-2,090.1	-75.5	315.6	255.5	60.03	5.257		
9,400.0	7,177.0	9,176.4	6,955.0	42.0	41.8	45.54	-2,190.1	-75.5	315.6	253.1	62.41	5.056		
9,500.0	7,177.0	9,276.4	6,955.0	43.7	43.5	45.54	-2,290.1	-75.5	315.6	250.7	64.81	4.869		
9,600.0	7,177.0	9,376.4	6,955.0	45.4	45.2	45.54	-2,390.1	-75.5	315.6	248.3	67.21	4.695		
9,700.0	7,177.0	9,476.4	6,955.0	47.1	46.9	45.54	-2,490.1	-75.5	315.6	245.9	69.62	4.532		
9,800.0	7,177.0	9,576.4	6,955.0	48.8	48.6	45.54	-2,590.1	-75.5	315.6	243.5	72.04	4.380		
9,900.0	7,177.0	9,676.4	6,955.0	50.5	50.3	45.54	-2,690.1	-75.5	315.6	241.1	74.47	4.238		
10,000.0	7,177.0	9,776.4	6,955.0	52.2	52.0	45.54	-2,790.1	-75.5	315.6	238.7	76.90	4.104		
10,100.0	7,177.0	9,876.4	6,955.0	53.9	53.7	45.54	-2,890.1	-75.5	315.6	236.2	79.33	3.977		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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					
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	7,177.0	9,976.4	6,955.0	55.6	55.4	45.54	-2,990.1	-75.5	315.6	233.8	81.78	3.859		
10,300.0	7,177.0	10,076.4	6,955.0	57.3	57.1	45.54	-3,090.1	-75.5	315.6	231.3	84.22	3.747		
10,400.0	7,177.0	10,176.4	6,955.0	59.0	58.8	45.54	-3,190.1	-75.5	315.6	228.9	86.67	3.641		
10,500.0	7,177.0	10,276.4	6,955.0	60.7	60.6	45.54	-3,290.1	-75.5	315.6	226.4	89.13	3.540		
10,600.0	7,177.0	10,376.4	6,955.0	62.4	62.3	45.54	-3,390.1	-75.5	315.6	224.0	91.58	3.445		
10,700.0	7,177.0	10,476.4	6,955.0	64.2	64.0	45.54	-3,490.1	-75.5	315.5	221.5	94.05	3.355		
10,800.0	7,177.0	10,576.4	6,955.0	65.9	65.7	45.54	-3,590.1	-75.5	315.5	219.0	96.51	3.270		
10,900.0	7,177.0	10,676.4	6,955.0	67.6	67.5	45.54	-3,690.1	-75.5	315.5	216.6	98.98	3.188		
11,000.0	7,177.0	10,776.4	6,955.0	69.3	69.2	45.54	-3,790.1	-75.5	315.5	214.1	101.45	3.111		
11,100.0	7,177.0	10,876.4	6,955.0	71.0	70.9	45.54	-3,890.1	-75.5	315.5	211.6	103.92	3.037		
11,200.0	7,177.0	10,976.4	6,955.0	72.8	72.6	45.54	-3,990.1	-75.5	315.5	209.2	106.39	2.966		
11,300.0	7,177.0	11,076.4	6,955.0	74.5	74.4	45.54	-4,090.1	-75.5	315.5	206.7	108.87	2.898		
11,400.0	7,177.0	11,176.4	6,955.0	76.2	76.1	45.54	-4,190.1	-75.5	315.5	204.2	111.34	2.834		
11,500.0	7,177.0	11,276.4	6,955.0	78.0	77.8	45.54	-4,290.1	-75.5	315.5	201.7	113.82	2.772		
11,600.0	7,177.0	11,376.4	6,955.0	79.7	79.6	45.54	-4,390.1	-75.5	315.5	199.2	116.31	2.713		
11,700.0	7,177.0	11,476.4	6,955.0	81.4	81.3	45.54	-4,490.1	-75.5	315.5	196.8	118.79	2.656		
11,747.9	7,177.0	11,524.3	6,955.0	82.3	82.1	45.54	-4,538.0	-75.5	315.5	195.6	119.98	2.630		
11,764.5	7,177.0	11,540.4	6,955.0	82.5	82.4	45.54	-4,554.1	-75.5	315.5	195.2	120.38	2.621 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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	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		
333.7	333.7	333.7	333.7	0.5	0.5	90.10	0.0	7.6	7.6	6.5	1.06	7.124 CC		
400.0	400.0	399.9	399.9	0.6	0.6	89.14	0.1	7.7	7.7	6.4	1.29	5.985 ES		
500.0	500.0	499.8	499.8	0.8	0.8	58.45	1.1	9.1	8.7	7.1	1.64	5.312		
600.0	600.0	599.7	599.6	1.0	1.0	60.07	3.2	11.9	10.2	8.3	1.99	5.138		
700.0	699.9	699.5	699.3	1.2	1.2	63.53	6.3	16.1	12.4	10.0	2.36	5.239		
800.0	799.7	799.3	798.8	1.4	1.4	66.40	10.4	21.7	15.2	12.5	2.73	5.574		
900.0	899.5	899.1	898.2	1.6	1.6	65.42	15.5	28.6	19.3	16.2	3.11	6.190		
1,000.0	999.4	999.0	997.8	1.8	1.8	64.34	20.7	35.7	23.5	20.0	3.50	6.732		
1,100.0	1,099.2	1,098.9	1,097.3	2.0	2.0	63.58	25.9	42.8	27.8	23.9	3.88	7.165		
1,200.0	1,199.0	1,198.8	1,196.8	2.2	2.3	63.03	31.1	49.9	32.1	27.8	4.26	7.519		
1,300.0	1,298.8	1,298.7	1,296.3	2.4	2.5	62.61	36.4	57.0	36.3	31.7	4.65	7.813		
1,400.0	1,398.7	1,398.6	1,395.8	2.6	2.7	62.27	41.6	64.1	40.6	35.6	5.04	8.061		
1,500.0	1,498.5	1,498.5	1,495.4	2.8	2.9	62.00	46.8	71.2	44.9	39.5	5.42	8.273		
1,600.0	1,598.3	1,598.4	1,594.9	3.0	3.2	61.78	52.0	78.3	49.1	43.3	5.81	8.456		
1,700.0	1,698.2	1,698.3	1,694.4	3.2	3.4	61.59	57.3	85.4	53.4	47.2	6.20	8.616		
1,800.0	1,798.0	1,798.2	1,793.9	3.4	3.6	61.43	62.5	92.5	57.7	51.1	6.59	8.757		
1,900.0	1,897.8	1,898.1	1,893.4	3.6	3.9	61.29	67.7	99.6	62.0	55.0	6.98	8.882		
2,000.0	1,997.6	1,998.1	1,992.9	3.8	4.1	61.17	72.9	106.7	66.2	58.9	7.37	8.993		
2,100.0	2,097.5	2,098.0	2,092.5	4.0	4.3	61.06	78.2	113.8	70.5	62.8	7.76	9.093		
2,200.0	2,197.3	2,197.9	2,192.0	4.2	4.6	60.97	83.4	120.9	74.8	66.6	8.14	9.183		
2,300.0	2,297.1	2,297.8	2,291.5	4.4	4.8	60.89	88.6	128.0	79.1	70.5	8.53	9.265		
2,400.0	2,397.0	2,397.7	2,391.0	4.6	5.0	60.81	93.8	135.1	83.3	74.4	8.92	9.340		
2,500.0	2,496.8	2,497.6	2,490.5	4.8	5.2	60.75	99.1	142.3	87.6	78.3	9.31	9.408		
2,600.0	2,596.6	2,597.5	2,590.1	5.0	5.5	60.68	104.3	149.4	91.9	82.2	9.70	9.471		
2,700.0	2,696.4	2,697.4	2,689.6	5.2	5.7	60.63	109.5	156.5	96.2	86.1	10.09	9.529		
2,800.0	2,796.3	2,797.3	2,789.1	5.4	5.9	60.58	114.7	163.6	100.4	90.0	10.48	9.582		
2,900.0	2,896.1	2,897.2	2,888.6	5.6	6.2	60.53	120.0	170.7	104.7	93.9	10.87	9.632		
3,000.0	2,995.9	2,997.1	2,988.1	5.8	6.4	60.49	125.2	177.8	109.0	97.7	11.26	9.678		
3,100.0	3,095.8	3,097.1	3,087.6	6.0	6.6	60.45	130.4	184.9	113.3	101.6	11.65	9.721		
3,200.0	3,195.6	3,197.0	3,187.2	6.2	6.9	60.41	135.6	192.0	117.6	105.5	12.04	9.761		
3,300.0	3,295.4	3,296.9	3,286.7	6.4	7.1	60.38	140.9	199.1	121.8	109.4	12.43	9.798		
3,400.0	3,395.2	3,396.8	3,386.2	6.6	7.3	60.34	146.1	206.2	126.1	113.3	12.82	9.834		
3,500.0	3,495.1	3,496.7	3,485.7	6.8	7.6	60.31	151.3	213.3	130.4	117.2	13.21	9.867		
3,600.0	3,594.9	3,596.6	3,585.2	7.0	7.8	60.29	156.5	220.4	134.7	121.1	13.60	9.898		
3,700.0	3,694.7	3,696.5	3,684.8	7.2	8.0	60.26	161.7	227.5	138.9	124.9	13.99	9.928		
3,800.0	3,794.6	3,796.4	3,784.3	7.4	8.3	60.23	167.0	234.6	143.2	128.8	14.38	9.955		
3,900.0	3,894.4	3,896.3	3,883.8	7.6	8.5	60.21	172.2	241.7	147.5	132.7	14.78	9.982		
4,000.0	3,994.2	3,996.2	3,983.3	7.8	8.7	60.19	177.4	248.8	151.8	136.6	15.17	10.007		
4,100.0	4,094.0	4,096.1	4,082.8	8.0	9.0	60.17	182.6	255.9	156.0	140.5	15.56	10.031		
4,200.0	4,193.9	4,196.0	4,182.4	8.2	9.2	60.15	187.9	263.0	160.3	144.4	15.95	10.053		
4,300.0	4,293.7	4,296.0	4,281.9	8.4	9.4	60.13	193.1	270.1	164.6	148.3	16.34	10.075		
4,400.0	4,393.5	4,395.9	4,381.4	8.6	9.7	60.11	198.3	277.2	168.9	152.1	16.73	10.095		
4,500.0	4,493.4	4,495.8	4,480.9	8.8	9.9	60.09	203.5	284.3	173.1	156.0	17.12	10.115		
4,600.0	4,593.2	4,595.7	4,580.4	9.0	10.1	60.08	208.8	291.4	177.4	159.9	17.51	10.133		
4,700.0	4,693.0	4,695.6	4,679.9	9.2	10.4	60.06	214.0	298.5	181.7	163.8	17.90	10.151		
4,800.0	4,792.8	4,795.5	4,779.5	9.4	10.6	60.05	219.2	305.6	186.0	167.7	18.29	10.168		
4,900.0	4,892.7	4,895.4	4,879.0	9.6	10.8	60.03	224.4	312.7	190.2	171.6	18.68	10.185		
5,000.0	4,992.5	4,995.3	4,978.5	9.8	11.0	60.02	229.7	319.8	194.5	175.5	19.07	10.200		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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							
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
5,100.0	5,092.3	5,095.2	5,078.0	10.0	11.3	60.01	234.9	326.9	198.8	179.3	19.46	10.215	
5,200.0	5,192.2	5,195.1	5,177.5	10.2	11.5	60.00	240.1	334.0	203.1	183.2	19.85	10.230	
5,300.0	5,292.0	5,295.0	5,277.1	10.4	11.7	59.98	245.3	341.1	207.4	187.1	20.24	10.244	
5,400.0	5,391.8	5,394.9	5,376.6	10.6	12.0	59.97	250.6	348.2	211.6	191.0	20.63	10.257	
5,500.0	5,491.6	5,494.9	5,476.1	10.8	12.2	59.96	255.8	355.3	215.9	194.9	21.02	10.270	
5,600.0	5,591.5	5,597.4	5,578.3	11.0	12.4	60.05	260.8	362.1	219.7	198.3	21.42	10.257	
5,700.0	5,691.3	5,700.6	5,681.3	11.2	12.6	60.39	264.7	367.5	222.1	200.3	21.82	10.175	
5,800.0	5,791.2	5,803.8	5,784.4	11.4	12.8	60.72	267.6	371.4	223.6	201.4	22.21	10.071	
5,900.0	5,891.2	5,907.1	5,887.6	11.6	13.0	60.92	269.3	373.8	224.6	202.0	22.56	9.956	
6,000.0	5,991.1	6,010.3	5,990.9	11.7	13.1	61.00	270.0	374.6	225.0	202.1	22.88	9.830	
6,100.0	6,091.1	6,110.6	6,091.1	11.9	13.3	90.00	270.0	374.7	225.0	201.8	23.20	9.695	
6,200.0	6,191.1	6,210.6	6,191.1	12.0	13.4	90.00	270.0	374.7	225.0	201.4	23.52	9.564	
6,300.0	6,291.1	6,310.6	6,291.1	12.2	13.6	90.00	270.0	374.7	225.0	201.1	23.84	9.435	
6,400.0	6,391.1	6,410.6	6,391.1	12.4	13.7	90.00	270.0	374.7	225.0	200.8	24.16	9.310	
6,463.4	6,454.5	6,474.0	6,454.5	12.5	13.8	90.00	270.0	374.7	225.0	200.6	24.37	9.232	
6,500.0	6,491.1	6,510.6	6,491.1	12.5	13.8	90.07	269.7	374.7	225.0	200.5	24.48	9.189	
6,512.1	6,503.3	6,522.7	6,503.2	12.5	13.8	90.19	269.2	374.7	225.0	200.4	24.52	9.174	
6,600.0	6,591.1	6,609.0	6,588.8	12.7	13.9	92.96	258.4	374.7	225.3	200.4	24.87	9.058	
6,700.0	6,690.8	6,703.0	6,678.8	12.8	13.9	-81.73	232.1	374.7	227.4	202.2	25.21	9.022	
6,800.0	6,787.8	6,793.9	6,760.8	12.8	13.8	-76.77	193.0	374.7	231.3	206.1	25.26	9.158	
6,900.0	6,879.3	6,882.4	6,833.7	12.7	13.8	-72.38	143.0	374.7	236.4	211.3	25.05	9.438	
7,000.0	6,962.4	6,968.8	6,896.6	12.6	13.8	-68.62	83.9	374.7	242.0	217.3	24.64	9.819	
7,100.0	7,034.6	7,050.0	6,947.1	12.7	13.8	-65.63	20.3	374.7	247.5	223.3	24.20	10.226	
7,200.0	7,093.7	7,137.0	6,990.5	12.8	14.0	-63.15	-54.9	374.7	252.4	228.5	23.92	10.553	
7,300.0	7,137.9	7,219.5	7,020.8	13.1	14.3	-61.44	-131.6	374.7	256.3	232.3	24.00	10.679	
7,400.0	7,165.9	7,300.0	7,039.4	13.7	14.8	-60.40	-209.9	374.7	258.8	234.2	24.61	10.516	
7,500.0	7,176.9	7,383.0	7,046.9	14.4	15.4	-59.98	-292.5	374.7	259.8	233.9	25.87	10.044	
7,600.0	7,177.0	7,480.6	7,047.0	15.3	16.2	-59.98	-390.1	374.7	259.8	232.3	27.48	9.455	
7,700.0	7,177.0	7,580.6	7,047.0	16.3	17.2	-59.98	-490.1	374.7	259.8	230.5	29.30	8.867	
7,800.0	7,177.0	7,680.6	7,047.0	17.5	18.3	-59.98	-590.1	374.7	259.8	228.5	31.31	8.298	
7,900.0	7,177.0	7,780.6	7,047.0	18.7	19.5	-59.98	-690.1	374.6	259.8	226.3	33.48	7.761	
8,000.0	7,177.0	7,880.6	7,047.0	20.1	20.8	-59.98	-790.1	374.6	259.8	224.0	35.77	7.263	
8,100.0	7,177.0	7,980.6	7,047.0	21.4	22.1	-59.98	-890.1	374.6	259.8	221.6	38.17	6.806	
8,200.0	7,177.0	8,080.6	7,047.0	22.9	23.5	-59.98	-990.1	374.6	259.8	219.2	40.66	6.390	
8,300.0	7,177.0	8,180.6	7,047.0	24.4	24.9	-59.98	-1,090.1	374.6	259.8	216.6	43.22	6.011	
8,400.0	7,177.0	8,280.6	7,047.0	25.9	26.4	-59.98	-1,190.1	374.6	259.8	214.0	45.84	5.668	
8,500.0	7,177.0	8,380.6	7,047.0	27.4	27.9	-59.98	-1,290.1	374.6	259.8	211.3	48.50	5.356	
8,600.0	7,177.0	8,480.6	7,047.0	29.0	29.5	-59.98	-1,390.1	374.6	259.8	208.6	51.21	5.073	
8,700.0	7,177.0	8,580.6	7,047.0	30.6	31.0	-59.98	-1,490.1	374.6	259.8	205.9	53.96	4.815	
8,800.0	7,177.0	8,680.6	7,047.0	32.2	32.6	-59.98	-1,590.1	374.6	259.8	203.1	56.73	4.579	
8,900.0	7,177.0	8,780.6	7,047.0	33.8	34.2	-59.98	-1,690.1	374.6	259.8	200.3	59.54	4.364	
9,000.0	7,177.0	8,880.6	7,047.0	35.4	35.8	-59.98	-1,790.1	374.6	259.8	197.5	62.36	4.166	
9,100.0	7,177.0	8,980.6	7,047.0	37.1	37.4	-59.98	-1,890.1	374.6	259.8	194.6	65.20	3.985	
9,200.0	7,177.0	9,080.6	7,047.0	38.7	39.1	-59.98	-1,990.1	374.6	259.8	191.7	68.07	3.817	
9,300.0	7,177.0	9,180.6	7,047.0	40.4	40.7	-59.98	-2,090.1	374.6	259.8	188.9	70.94	3.662	
9,400.0	7,177.0	9,280.6	7,047.0	42.0	42.4	-59.98	-2,190.1	374.6	259.8	186.0	73.83	3.519	
9,500.0	7,177.0	9,380.6	7,047.0	43.7	44.0	-59.98	-2,290.1	374.6	259.8	183.1	76.73	3.386	
9,600.0	7,177.0	9,480.6	7,047.0	45.4	45.7	-59.98	-2,390.1	374.6	259.8	180.2	79.65	3.262	
9,700.0	7,177.0	9,580.6	7,047.0	47.1	47.4	-59.98	-2,490.1	374.6	259.8	177.2	82.57	3.147	
9,800.0	7,177.0	9,680.6	7,047.0	48.8	49.1	-59.98	-2,590.1	374.6	259.8	174.3	85.50	3.039	
9,900.0	7,177.0	9,780.6	7,047.0	50.5	50.7	-59.98	-2,690.1	374.6	259.8	171.4	88.44	2.938	
10,000.0	7,177.0	9,880.6	7,047.0	52.2	52.4	-59.98	-2,790.1	374.6	259.8	168.4	91.38	2.843	

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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						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		
10,100.0	7,177.0	9,980.6	7,047.0	53.9	54.1	-59.98	-2,890.1	374.6	259.8	165.5	94.33	2.754		
10,200.0	7,177.0	10,080.6	7,047.0	55.6	55.8	-59.98	-2,990.1	374.6	259.8	162.5	97.29	2.670		
10,300.0	7,177.0	10,180.6	7,047.0	57.3	57.5	-59.98	-3,090.1	374.6	259.8	159.6	100.25	2.592		
10,400.0	7,177.0	10,280.6	7,047.0	59.0	59.2	-59.98	-3,190.1	374.6	259.8	156.6	103.22	2.517		
10,500.0	7,177.0	10,380.6	7,047.0	60.7	60.9	-59.98	-3,290.1	374.6	259.8	153.6	106.19	2.447		
10,600.0	7,177.0	10,480.6	7,047.0	62.4	62.7	-59.98	-3,390.1	374.6	259.8	150.6	109.17	2.380		
10,700.0	7,177.0	10,580.6	7,047.0	64.2	64.4	-59.98	-3,490.1	374.6	259.8	147.7	112.14	2.317		
10,800.0	7,177.0	10,680.6	7,047.0	65.9	66.1	-59.98	-3,590.1	374.6	259.8	144.7	115.13	2.257		
10,900.0	7,177.0	10,780.6	7,047.0	67.6	67.8	-59.98	-3,690.1	374.6	259.8	141.7	118.11	2.200		
11,000.0	7,177.0	10,880.6	7,047.0	69.3	69.5	-59.98	-3,790.1	374.6	259.8	138.7	121.10	2.145		
11,100.0	7,177.0	10,980.6	7,047.0	71.0	71.2	-59.98	-3,890.1	374.6	259.8	135.7	124.09	2.094		
11,200.0	7,177.0	11,080.6	7,047.0	72.8	73.0	-59.98	-3,990.1	374.6	259.8	132.7	127.09	2.044		
11,300.0	7,177.0	11,180.6	7,047.0	74.5	74.7	-59.98	-4,090.1	374.6	259.8	129.7	130.08	1.997		
11,400.0	7,177.0	11,280.6	7,047.0	76.2	76.4	-59.98	-4,190.1	374.6	259.8	126.7	133.08	1.952		
11,500.0	7,177.0	11,380.6	7,047.0	78.0	78.1	-59.98	-4,290.1	374.6	259.8	123.7	136.08	1.909		
11,600.0	7,177.0	11,480.6	7,047.0	79.7	79.9	-59.98	-4,390.1	374.6	259.8	120.7	139.08	1.868		
11,700.0	7,177.0	11,580.6	7,047.0	81.4	81.6	-59.98	-4,490.1	374.6	259.8	117.7	142.08	1.829		
11,764.5	7,177.0	11,645.1	7,047.0	82.5	82.7	-59.98	-4,554.6	374.6	259.8	115.8	144.02	1.804 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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: 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		
0.0	0.0	0.0	0.0	0.0	0.0	90.10	0.0	14.8	14.8						
100.0	100.0	100.0	100.0	0.1	0.1	90.10	0.0	14.8	14.8	14.6	0.24	60.677			
200.0	200.0	200.0	200.0	0.3	0.3	90.10	0.0	14.8	14.8	14.2	0.59	24.984			
300.0	300.0	300.0	300.0	0.5	0.5	90.10	0.0	14.8	14.8	13.9	0.94	15.731 CC, ES			
400.0	400.0	399.8	399.8	0.6	0.6	88.76	0.3	15.6	15.6	14.3	1.29	12.098			
500.0	500.0	499.5	499.4	0.8	0.8	58.79	1.4	18.0	17.6	15.9	1.64	10.712			
600.0	600.0	599.1	599.0	1.0	1.0	60.37	3.2	21.9	20.2	18.3	1.99	10.153			
700.0	699.9	698.7	698.4	1.2	1.2	63.48	5.8	27.4	23.7	21.3	2.36	10.050			
800.0	799.7	798.2	797.6	1.4	1.4	66.62	9.0	34.5	28.1	25.4	2.73	10.299			
900.0	899.5	897.6	896.5	1.6	1.6	67.50	13.0	43.1	34.0	30.9	3.11	10.943			
1,000.0	999.4	996.8	995.0	1.8	1.9	66.86	17.7	53.2	41.4	37.9	3.49	11.859			
1,100.0	1,099.2	1,096.1	1,093.6	2.0	2.1	65.58	23.0	64.7	50.1	46.2	3.88	12.920			
1,200.0	1,199.0	1,195.7	1,192.3	2.2	2.4	64.59	28.4	76.4	58.9	54.7	4.26	13.825			
1,300.0	1,298.8	1,295.3	1,291.1	2.4	2.7	63.86	33.8	88.0	67.8	63.1	4.65	14.579			
1,400.0	1,398.7	1,394.9	1,389.9	2.6	3.0	63.30	39.1	99.7	76.6	71.6	5.03	15.218			
1,500.0	1,498.5	1,494.5	1,488.7	2.8	3.2	62.86	44.5	111.3	85.5	80.0	5.42	15.765			
1,600.0	1,598.3	1,594.1	1,587.4	3.0	3.5	62.50	49.9	123.0	94.3	88.5	5.81	16.239			
1,700.0	1,698.2	1,693.7	1,686.2	3.2	3.8	62.20	55.3	134.6	103.2	97.0	6.20	16.654			
1,800.0	1,798.0	1,793.3	1,785.0	3.4	4.1	61.94	60.7	146.3	112.1	105.5	6.58	17.019			
1,900.0	1,897.8	1,892.9	1,883.8	3.6	4.3	61.73	66.0	157.9	120.9	113.9	6.97	17.344			
2,000.0	1,997.6	1,992.5	1,982.5	3.8	4.6	61.54	71.4	169.5	129.8	122.4	7.36	17.634			
2,100.0	2,097.5	2,092.1	2,081.3	4.0	4.9	61.38	76.8	181.2	138.7	130.9	7.75	17.894			
2,200.0	2,197.3	2,191.7	2,180.1	4.2	5.2	61.24	82.2	192.8	147.5	139.4	8.14	18.130			
2,300.0	2,297.1	2,291.4	2,278.9	4.4	5.5	61.11	87.5	204.5	156.4	147.9	8.53	18.344			
2,400.0	2,397.0	2,391.0	2,377.6	4.6	5.7	61.00	92.9	216.1	165.3	156.3	8.91	18.539			
2,500.0	2,496.8	2,490.6	2,476.4	4.8	6.0	60.90	98.3	227.8	174.1	164.8	9.30	18.718			
2,600.0	2,596.6	2,590.2	2,575.2	5.0	6.3	60.81	103.7	239.4	183.0	173.3	9.69	18.882			
2,700.0	2,696.4	2,689.8	2,674.0	5.2	6.6	60.73	109.1	251.1	191.9	181.8	10.08	19.034			
2,800.0	2,796.3	2,789.4	2,772.7	5.4	6.9	60.65	114.4	262.7	200.8	190.3	10.47	19.174			
2,900.0	2,896.1	2,889.0	2,871.5	5.6	7.2	60.58	119.8	274.4	209.6	198.8	10.86	19.304			
3,000.0	2,995.9	2,988.6	2,970.3	5.8	7.4	60.52	125.2	286.0	218.5	207.2	11.25	19.425			
3,100.0	3,095.8	3,088.2	3,069.1	6.0	7.7	60.46	130.6	297.7	227.4	215.7	11.64	19.538			
3,200.0	3,195.6	3,187.8	3,167.9	6.2	8.0	60.40	135.9	309.3	236.2	224.2	12.03	19.643			
3,300.0	3,295.4	3,287.4	3,266.6	6.4	8.3	60.35	141.3	321.0	245.1	232.7	12.42	19.742			
3,400.0	3,395.2	3,387.0	3,365.4	6.6	8.6	60.31	146.7	332.6	254.0	241.2	12.81	19.835			
3,500.0	3,495.1	3,486.6	3,464.2	6.8	8.9	60.26	152.1	344.3	262.9	249.7	13.19	19.922			
3,600.0	3,594.9	3,586.2	3,563.0	7.0	9.1	60.22	157.5	355.9	271.7	258.2	13.58	20.005			
3,700.0	3,694.7	3,685.8	3,661.7	7.2	9.4	60.18	162.8	367.6	280.6	266.6	13.97	20.082			
3,800.0	3,794.6	3,785.4	3,760.5	7.4	9.7	60.15	168.2	379.2	289.5	275.1	14.36	20.156			
3,900.0	3,894.4	3,885.0	3,859.3	7.6	10.0	60.12	173.6	390.9	298.4	283.6	14.75	20.225			
4,000.0	3,994.2	3,984.6	3,958.1	7.8	10.3	60.08	179.0	402.5	307.2	292.1	15.14	20.291			
4,100.0	4,094.0	4,084.2	4,056.8	8.0	10.6	60.05	184.3	414.2	316.1	300.6	15.53	20.354			
4,200.0	4,193.9	4,183.9	4,155.6	8.2	10.8	60.03	189.7	425.8	325.0	309.1	15.92	20.413			
4,300.0	4,293.7	4,283.5	4,254.4	8.4	11.1	60.00	195.1	437.5	333.9	317.6	16.31	20.470			
4,400.0	4,393.5	4,383.1	4,353.2	8.6	11.4	59.97	200.5	449.1	342.7	326.0	16.70	20.524			
4,500.0	4,493.4	4,482.7	4,451.9	8.8	11.7	59.95	205.9	460.8	351.6	334.5	17.09	20.576			
4,600.0	4,593.2	4,582.3	4,550.7	9.0	12.0	59.93	211.2	472.4	360.5	343.0	17.48	20.625			
4,700.0	4,693.0	4,681.9	4,649.5	9.2	12.3	59.90	216.6	484.1	369.4	351.5	17.87	20.672			
4,800.0	4,792.8	4,781.5	4,748.3	9.4	12.5	59.88	222.0	495.7	378.2	360.0	18.26	20.717			
4,900.0	4,892.7	4,881.1	4,847.0	9.6	12.8	59.86	227.4	507.4	387.1	368.5	18.65	20.760			
5,000.0	4,992.5	4,980.7	4,945.8	9.8	13.1	59.84	232.8	519.0	396.0	377.0	19.04	20.801			
5,100.0	5,092.3	5,080.3	5,044.6	10.0	13.4	59.83	238.1	530.7	404.9	385.4	19.43	20.841			

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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: 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	5,192.2	5,179.9	5,143.4	10.2	13.7	59.81	243.5	542.3	413.7	393.9	19.82	20.879		
5,300.0	5,292.0	5,279.5	5,242.1	10.4	14.0	59.79	248.9	554.0	422.6	402.4	20.21	20.916		
5,400.0	5,391.8	5,385.0	5,346.8	10.6	14.2	59.81	254.3	565.7	430.9	410.3	20.60	20.915		
5,500.0	5,491.6	5,492.2	5,453.5	10.8	14.5	59.93	259.0	575.9	437.6	416.6	21.01	20.827		
5,600.0	5,591.5	5,599.6	5,560.5	11.0	14.7	60.15	262.9	584.3	442.6	421.1	21.42	20.658		
5,700.0	5,691.3	5,707.1	5,667.7	11.2	14.9	60.47	265.9	590.9	445.8	424.0	21.84	20.418		
5,800.0	5,791.2	5,814.7	5,775.2	11.4	15.1	60.76	268.1	595.6	448.1	425.8	22.22	20.163		
5,900.0	5,891.2	5,922.4	5,882.8	11.6	15.3	60.93	269.5	598.5	449.4	426.8	22.58	19.903		
6,000.0	5,991.1	6,030.1	5,990.5	11.7	15.4	61.00	270.0	599.6	449.9	427.0	22.91	19.637		
6,100.0	6,091.1	6,130.7	6,091.1	11.9	15.5	90.00	270.0	599.6	449.9	426.7	23.23	19.368		
6,200.0	6,191.1	6,230.7	6,191.1	12.0	15.7	90.00	270.0	599.6	449.9	426.4	23.55	19.105		
6,300.0	6,291.1	6,330.7	6,291.1	12.2	15.8	90.00	270.0	599.6	449.9	426.1	23.87	18.848		
6,364.9	6,356.0	6,395.6	6,356.0	12.3	15.9	90.00	270.0	599.6	449.9	425.8	24.08	18.685		
6,400.0	6,391.1	6,430.7	6,391.1	12.4	15.9	90.01	269.9	599.6	449.9	425.7	24.19	18.600		
6,420.9	6,412.1	6,451.7	6,412.0	12.4	15.9	90.10	269.2	599.6	449.9	425.7	24.26	18.548		
6,500.0	6,491.1	6,529.5	6,489.3	12.5	15.9	91.27	260.0	599.6	450.0	425.5	24.52	18.351		
6,600.0	6,591.1	6,622.2	6,578.6	12.7	15.9	94.38	235.6	599.6	451.4	426.5	24.91	18.123		
6,700.0	6,690.8	6,707.8	6,656.6	12.8	15.9	-81.48	200.4	599.6	455.6	430.4	25.22	18.063		
6,800.0	6,787.8	6,789.8	6,725.6	12.8	15.8	-77.59	156.3	599.6	461.8	436.5	25.29	18.264		
6,900.0	6,879.3	6,869.0	6,785.6	12.7	15.8	-74.10	104.7	599.6	469.3	444.1	25.11	18.689		
7,000.0	6,962.4	6,950.0	6,839.0	12.6	15.9	-70.96	43.9	599.6	477.2	452.4	24.76	19.270		
7,100.0	7,034.6	7,021.4	6,878.6	12.7	16.0	-68.54	-15.4	599.6	484.7	460.3	24.41	19.854		
7,200.0	7,093.7	7,100.0	6,913.3	12.8	16.2	-66.46	-85.9	599.6	491.4	467.2	24.19	20.310		
7,300.0	7,137.9	7,168.5	6,935.4	13.1	16.4	-65.09	-150.7	599.6	496.5	472.2	24.37	20.375		
7,400.0	7,165.9	7,241.1	6,950.2	13.7	16.8	-64.19	-221.7	599.6	499.9	474.8	25.08	19.934		
7,500.0	7,176.9	7,313.3	6,955.9	14.4	17.2	-63.84	-293.7	599.6	501.3	474.9	26.40	18.988		
7,600.0	7,177.0	7,409.7	6,956.0	15.3	18.0	-63.84	-390.1	599.6	501.3	473.2	28.07	17.861		
7,700.0	7,177.0	7,509.7	6,956.0	16.3	18.9	-63.84	-490.1	599.6	501.3	471.3	29.95	16.734		
7,800.0	7,177.0	7,609.7	6,956.0	17.5	19.9	-63.84	-590.1	599.6	501.3	469.2	32.04	15.643		
7,900.0	7,177.0	7,709.7	6,956.0	18.7	21.0	-63.84	-690.1	599.6	501.3	467.0	34.30	14.616		
8,000.0	7,177.0	7,809.7	6,956.0	20.1	22.2	-63.84	-790.1	599.6	501.3	464.6	36.68	13.666		
8,100.0	7,177.0	7,909.7	6,956.0	21.4	23.4	-63.84	-890.1	599.6	501.3	462.1	39.17	12.796		
8,200.0	7,177.0	8,009.7	6,956.0	22.9	24.7	-63.84	-990.1	599.6	501.3	459.5	41.76	12.004		
8,300.0	7,177.0	8,109.7	6,956.0	24.4	26.1	-63.84	-1,090.1	599.6	501.3	456.9	44.42	11.286		
8,400.0	7,177.0	8,209.7	6,956.0	25.9	27.5	-63.84	-1,190.1	599.6	501.3	454.1	47.13	10.635		
8,500.0	7,177.0	8,309.7	6,956.0	27.4	29.0	-63.84	-1,290.1	599.6	501.3	451.4	49.90	10.045		
8,600.0	7,177.0	8,409.7	6,956.0	29.0	30.5	-63.84	-1,390.1	599.6	501.3	448.5	52.72	9.509		
8,700.0	7,177.0	8,509.7	6,956.0	30.6	32.0	-63.84	-1,490.1	599.6	501.3	445.7	55.56	9.021		
8,800.0	7,177.0	8,609.7	6,956.0	32.2	33.5	-63.84	-1,590.1	599.6	501.3	442.8	58.45	8.577		
8,900.0	7,177.0	8,709.7	6,956.0	33.8	35.1	-63.84	-1,690.1	599.6	501.3	439.9	61.35	8.170		
9,000.0	7,177.0	8,809.7	6,956.0	35.4	36.6	-63.84	-1,790.1	599.6	501.3	437.0	64.28	7.798		
9,100.0	7,177.0	8,909.7	6,956.0	37.1	38.2	-63.84	-1,890.1	599.6	501.3	434.0	67.23	7.455		
9,200.0	7,177.0	9,009.7	6,956.0	38.7	39.8	-63.84	-1,990.1	599.6	501.3	431.1	70.20	7.140		
9,300.0	7,177.0	9,109.7	6,956.0	40.4	41.4	-63.84	-2,090.1	599.6	501.3	428.1	73.19	6.849		
9,400.0	7,177.0	9,209.7	6,956.0	42.0	43.1	-63.84	-2,190.1	599.6	501.3	425.1	76.18	6.580		
9,500.0	7,177.0	9,309.7	6,956.0	43.7	44.7	-63.84	-2,290.1	599.6	501.3	422.1	79.19	6.330		
9,600.0	7,177.0	9,409.7	6,956.0	45.4	46.3	-63.84	-2,390.1	599.6	501.3	419.0	82.21	6.097		
9,700.0	7,177.0	9,509.7	6,956.0	47.1	48.0	-63.84	-2,490.1	599.6	501.3	416.0	85.24	5.880		
9,800.0	7,177.0	9,609.7	6,956.0	48.8	49.7	-63.84	-2,590.1	599.6	501.3	413.0	88.28	5.678		
9,900.0	7,177.0	9,709.7	6,956.0	50.5	51.3	-63.84	-2,690.1	599.6	501.3	409.9	91.33	5.488		
10,000.0	7,177.0	9,809.7	6,956.0	52.2	53.0	-63.84	-2,790.1	599.6	501.3	406.9	94.38	5.311		
10,100.0	7,177.0	9,909.7	6,956.0	53.9	54.7	-63.84	-2,890.1	599.6	501.3	403.8	97.44	5.144		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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			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	7,177.0	10,009.7	6,956.0	55.6	56.4	-63.84	-2,990.1	599.6	501.3	400.7	100.51	4.987		
10,300.0	7,177.0	10,109.7	6,956.0	57.3	58.0	-63.84	-3,090.1	599.6	501.3	397.7	103.58	4.839		
10,400.0	7,177.0	10,209.7	6,956.0	59.0	59.7	-63.84	-3,190.1	599.6	501.3	394.6	106.65	4.700		
10,500.0	7,177.0	10,309.7	6,956.0	60.7	61.4	-63.84	-3,290.1	599.6	501.3	391.5	109.73	4.568		
10,600.0	7,177.0	10,409.7	6,956.0	62.4	63.1	-63.84	-3,390.1	599.6	501.3	388.4	112.82	4.443		
10,700.0	7,177.0	10,509.7	6,956.0	64.2	64.8	-63.84	-3,490.1	599.6	501.3	385.3	115.91	4.325		
10,800.0	7,177.0	10,609.7	6,956.0	65.9	66.5	-63.84	-3,590.1	599.6	501.3	382.3	119.00	4.212		
10,900.0	7,177.0	10,709.7	6,956.0	67.6	68.2	-63.84	-3,690.1	599.6	501.3	379.2	122.09	4.106		
11,000.0	7,177.0	10,809.7	6,956.0	69.3	69.9	-63.84	-3,790.1	599.6	501.3	376.1	125.19	4.004		
11,100.0	7,177.0	10,909.7	6,956.0	71.0	71.6	-63.84	-3,890.1	599.6	501.3	373.0	128.29	3.907		
11,200.0	7,177.0	11,009.7	6,956.0	72.8	73.3	-63.84	-3,990.1	599.6	501.3	369.9	131.39	3.815		
11,300.0	7,177.0	11,109.7	6,956.0	74.5	75.1	-63.84	-4,090.1	599.6	501.3	366.8	134.50	3.727		
11,400.0	7,177.0	11,209.7	6,956.0	76.2	76.8	-63.84	-4,190.1	599.6	501.3	363.6	137.61	3.643		
11,500.0	7,177.0	11,309.7	6,956.0	78.0	78.5	-63.84	-4,290.1	599.6	501.3	360.5	140.71	3.562		
11,600.0	7,177.0	11,409.7	6,956.0	79.7	80.2	-63.84	-4,390.1	599.6	501.3	357.4	143.83	3.485		
11,700.0	7,177.0	11,509.7	6,956.0	81.4	81.9	-63.84	-4,490.1	599.6	501.3	354.3	146.94	3.411		
11,764.5	7,177.0	11,574.2	6,956.0	82.5	83.0	-63.84	-4,554.6	599.6	501.2	352.3	148.95	3.365 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.90	-0.4	22.4	22.4					
100.0	100.0	100.0	100.0	0.1	0.1	90.90	-0.4	22.4	22.4	22.1	0.24	91.598		
200.0	200.0	200.0	200.0	0.3	0.3	90.90	-0.4	22.4	22.4	21.8	0.59	37.717		
233.4	233.4	233.4	233.4	0.4	0.4	90.90	-0.4	22.4	22.4	21.7	0.71	31.528 CC		
300.0	300.0	299.8	299.8	0.5	0.5	90.72	-0.3	22.6	22.6	21.6	0.94	23.973 ES		
400.0	400.0	399.4	399.4	0.6	0.6	89.36	0.3	24.2	24.2	22.9	1.29	18.777		
500.0	500.0	498.9	498.9	0.8	0.8	59.67	1.4	27.5	27.1	25.5	1.64	16.530		
600.0	600.0	598.4	598.2	1.0	1.0	60.96	3.0	32.4	30.8	28.8	1.99	15.442		
700.0	699.9	697.8	697.3	1.2	1.2	63.50	5.2	39.0	35.3	32.9	2.35	14.987		
800.0	799.7	797.0	796.1	1.4	1.4	66.29	8.0	47.1	40.9	38.1	2.73	14.991		
900.0	899.5	896.0	894.6	1.6	1.7	67.63	11.3	56.9	48.0	44.9	3.10	15.473		
1,000.0	999.4	994.8	992.7	1.8	1.9	67.86	15.1	68.2	56.8	53.3	3.49	16.280		
1,100.0	1,099.2	1,093.3	1,090.3	2.0	2.2	67.39	19.4	81.1	67.0	63.2	3.87	17.317		
1,200.0	1,199.0	1,191.5	1,187.2	2.2	2.5	66.53	24.3	95.5	78.9	74.6	4.26	18.530		
1,300.0	1,298.8	1,289.6	1,283.9	2.4	2.8	65.48	29.6	111.5	92.2	87.6	4.64	19.873		
1,400.0	1,398.7	1,388.6	1,381.4	2.6	3.2	64.60	35.2	128.0	106.0	101.0	5.03	21.094		
1,500.0	1,498.5	1,487.7	1,478.9	2.8	3.5	63.92	40.8	144.5	119.9	114.5	5.41	22.144		
1,600.0	1,598.3	1,586.7	1,576.4	3.0	3.8	63.37	46.3	161.0	133.7	127.9	5.80	23.056		
1,700.0	1,698.2	1,685.7	1,673.9	3.2	4.2	62.94	51.9	177.6	147.6	141.4	6.19	23.854		
1,800.0	1,798.0	1,784.8	1,771.3	3.4	4.5	62.57	57.4	194.1	161.4	154.8	6.57	24.559		
1,900.0	1,897.8	1,883.8	1,868.8	3.6	4.9	62.27	63.0	210.6	175.3	168.3	6.96	25.186		
2,000.0	1,997.6	1,982.8	1,966.3	3.8	5.2	62.00	68.6	227.1	189.1	181.8	7.35	25.747		
2,100.0	2,097.5	2,081.9	2,063.8	4.0	5.6	61.78	74.1	243.6	203.0	195.3	7.73	26.251		
2,200.0	2,197.3	2,180.9	2,161.3	4.2	5.9	61.58	79.7	260.2	216.9	208.7	8.12	26.708		
2,300.0	2,297.1	2,279.9	2,258.8	4.4	6.3	61.41	85.2	276.7	230.7	222.2	8.51	27.123		
2,400.0	2,397.0	2,378.9	2,356.3	4.6	6.6	61.25	90.8	293.2	244.6	235.7	8.89	27.502		
2,500.0	2,496.8	2,478.0	2,453.7	4.8	7.0	61.12	96.4	309.7	258.5	249.2	9.28	27.849		
2,600.0	2,596.6	2,577.0	2,551.2	5.0	7.3	60.99	101.9	326.2	272.4	262.7	9.67	28.168		
2,700.0	2,696.4	2,676.0	2,648.7	5.2	7.7	60.88	107.5	342.8	286.2	276.2	10.06	28.463		
2,800.0	2,796.3	2,775.1	2,746.2	5.4	8.0	60.78	113.0	359.3	300.1	289.7	10.44	28.736		
2,900.0	2,896.1	2,874.1	2,843.7	5.6	8.4	60.69	118.6	375.8	314.0	303.2	10.83	28.989		
3,000.0	2,995.9	2,973.1	2,941.2	5.8	8.7	60.61	124.2	392.3	327.9	316.7	11.22	29.225		
3,100.0	3,095.8	3,072.2	3,038.6	6.0	9.1	60.53	129.7	408.8	341.8	330.2	11.61	29.445		
3,200.0	3,195.6	3,171.2	3,136.1	6.2	9.4	60.46	135.3	425.4	355.6	343.7	11.99	29.650		
3,300.0	3,295.4	3,270.2	3,233.6	6.4	9.8	60.39	140.8	441.9	369.5	357.1	12.38	29.843		
3,400.0	3,395.2	3,369.3	3,331.1	6.6	10.1	60.33	146.4	458.4	383.4	370.6	12.77	30.024		
3,500.0	3,495.1	3,468.3	3,428.6	6.8	10.5	60.27	152.0	474.9	397.3	384.1	13.16	30.194		
3,600.0	3,594.9	3,567.3	3,526.1	7.0	10.8	60.22	157.5	491.4	411.2	397.6	13.55	30.355		
3,700.0	3,694.7	3,666.3	3,623.6	7.2	11.2	60.17	163.1	508.0	425.1	411.1	13.93	30.507		
3,800.0	3,794.6	3,765.4	3,721.0	7.4	11.5	60.12	168.6	524.5	438.9	424.6	14.32	30.650		
3,900.0	3,894.4	3,864.4	3,818.5	7.6	11.9	60.08	174.2	541.0	452.8	438.1	14.71	30.786		
4,000.0	3,994.2	3,963.4	3,916.0	7.8	12.2	60.04	179.8	557.5	466.7	451.6	15.10	30.915		
4,100.0	4,094.0	4,062.5	4,013.5	8.0	12.6	60.00	185.3	574.1	480.6	465.1	15.48	31.037		
4,200.0	4,193.9	4,161.5	4,111.0	8.2	12.9	59.96	190.9	590.6	494.5	478.6	15.87	31.153		
4,300.0	4,293.7	4,260.5	4,208.5	8.4	13.3	59.93	196.4	607.1	508.4	492.1	16.26	31.264		
4,400.0	4,393.5	4,359.6	4,305.9	8.6	13.6	59.90	202.0	623.6	522.3	505.6	16.65	31.370		
4,500.0	4,493.4	4,458.6	4,403.4	8.8	14.0	59.87	207.6	640.1	536.1	519.1	17.04	31.470		
4,600.0	4,593.2	4,557.6	4,500.9	9.0	14.3	59.84	213.1	656.7	550.0	532.6	17.42	31.567		
4,700.0	4,693.0	4,656.7	4,598.4	9.2	14.7	59.81	218.7	673.2	563.9	546.1	17.81	31.659		
4,800.0	4,792.8	4,755.7	4,695.9	9.4	15.1	59.78	224.3	689.7	577.8	559.6	18.20	31.747		
4,900.0	4,892.7	4,854.7	4,793.4	9.6	15.4	59.76	229.8	706.2	591.7	573.1	18.59	31.831		
5,000.0	4,992.5	4,953.7	4,890.9	9.8	15.8	59.73	235.4	722.7	605.6	586.6	18.98	31.912		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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			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	
5,100.0	5,092.3	5,052.8	4,988.3	10.0	16.1	59.71	240.9	739.3	619.5	600.1	19.36	31.990		
5,200.0	5,192.2	5,163.1	5,097.1	10.2	16.5	59.71	246.8	756.7	632.5	612.7	19.77	31.988		
5,300.0	5,292.0	5,274.3	5,207.0	10.4	16.8	59.77	252.1	772.3	643.7	623.5	20.19	31.889		
5,400.0	5,391.8	5,385.9	5,317.7	10.6	17.1	59.89	256.6	785.9	653.0	632.4	20.60	31.700		
5,500.0	5,491.6	5,497.8	5,429.0	10.8	17.4	60.06	260.5	797.5	660.6	639.5	21.02	31.427		
5,600.0	5,591.5	5,610.0	5,540.7	11.0	17.6	60.29	263.8	807.1	666.2	644.8	21.44	31.074		
5,700.0	5,691.3	5,722.3	5,652.7	11.2	17.8	60.57	266.3	814.6	670.1	648.2	21.86	30.651		
5,800.0	5,791.2	5,834.7	5,765.0	11.4	18.0	60.82	268.1	820.0	672.7	650.4	22.25	30.228		
5,900.0	5,891.2	5,947.3	5,877.5	11.6	18.2	60.97	269.2	823.3	674.3	651.7	22.62	29.811		
6,000.0	5,991.1	6,059.8	5,990.0	11.7	18.3	61.02	269.6	824.6	674.9	651.9	22.96	29.398		
6,100.0	6,091.1	6,160.9	6,091.1	11.9	18.4	90.03	269.6	824.6	674.9	651.6	23.28	28.994		
6,200.0	6,191.1	6,260.9	6,191.1	12.0	18.5	90.03	269.6	824.6	674.9	651.3	23.60	28.601		
6,300.0	6,291.1	6,360.9	6,291.1	12.2	18.6	90.03	269.6	824.6	674.9	651.0	23.92	28.218		
6,400.0	6,391.1	6,460.9	6,391.1	12.4	18.7	90.03	269.6	824.6	674.9	650.6	24.24	27.844		
6,500.0	6,491.1	6,560.9	6,491.1	12.5	18.8	90.03	269.6	824.6	674.9	650.3	24.56	27.479		
6,600.0	6,591.1	6,660.9	6,591.1	12.7	18.9	90.03	269.6	824.6	674.9	650.0	24.88	27.122		
6,700.0	6,690.8	6,760.9	6,690.8	12.8	19.0	-89.97	263.0	824.6	674.9	649.8	25.08	26.912		
6,800.0	6,787.8	6,860.8	6,787.7	12.8	19.0	-89.97	239.4	824.6	674.9	649.8	25.07	26.917		
6,900.0	6,879.3	6,960.8	6,879.1	12.7	18.9	-89.97	199.3	824.6	674.9	649.9	24.95	27.044		
7,000.0	6,962.4	7,060.7	6,962.2	12.6	18.9	-89.98	143.9	824.6	674.9	650.0	24.84	27.171		
7,100.0	7,034.6	7,160.7	7,034.4	12.7	18.9	-89.98	75.0	824.6	674.9	650.0	24.86	27.152		
7,200.0	7,093.7	7,260.6	7,093.5	12.8	19.0	-89.98	-5.5	824.6	674.9	649.7	25.14	26.843		
7,300.0	7,137.9	7,360.6	7,137.8	13.1	19.2	-89.99	-95.0	824.6	674.9	649.1	25.80	26.155		
7,400.0	7,165.9	7,460.6	7,165.8	13.7	19.5	-89.99	-190.8	824.6	674.9	648.0	26.89	25.101		
7,500.0	7,176.9	7,560.6	7,176.8	14.4	20.0	-90.00	-290.1	824.6	674.9	646.5	28.37	23.785		
7,600.0	7,177.0	7,660.6	7,177.0	15.3	20.7	-90.00	-390.1	824.6	674.9	644.7	30.22	22.333		
7,700.0	7,177.0	7,760.6	7,177.0	16.3	21.5	-90.00	-490.1	824.6	674.9	642.6	32.32	20.879		
7,800.0	7,177.0	7,860.6	7,177.0	17.5	22.3	-90.00	-590.1	824.6	674.9	640.2	34.66	19.474		
7,900.0	7,177.0	7,960.6	7,177.0	18.7	23.3	-90.00	-690.1	824.6	674.9	637.7	37.17	18.155		
8,000.0	7,177.0	8,060.6	7,177.0	20.1	24.4	-90.00	-790.1	824.6	674.9	635.0	39.84	16.939		
8,100.0	7,177.0	8,160.6	7,177.0	21.4	25.5	-90.00	-890.1	824.6	674.9	632.2	42.63	15.830		
8,200.0	7,177.0	8,260.6	7,177.0	22.9	26.8	-90.00	-990.1	824.6	674.9	629.3	45.52	14.825		
8,300.0	7,177.0	8,360.6	7,177.0	24.4	28.0	-90.00	-1,090.1	824.6	674.9	626.4	48.49	13.917		
8,400.0	7,177.0	8,460.6	7,177.0	25.9	29.4	-90.00	-1,190.1	824.6	674.9	623.3	51.53	13.096		
8,500.0	7,177.0	8,560.6	7,177.0	27.4	30.7	-90.00	-1,290.1	824.6	674.9	620.2	54.63	12.354		
8,600.0	7,177.0	8,660.6	7,177.0	29.0	32.1	-90.00	-1,390.1	824.6	674.9	617.1	57.77	11.682		
8,700.0	7,177.0	8,760.6	7,177.0	30.6	33.6	-90.00	-1,490.1	824.6	674.9	613.9	60.95	11.072		
8,800.0	7,177.0	8,860.6	7,177.0	32.2	35.0	-90.00	-1,590.1	824.6	674.9	610.7	64.17	10.517		
8,900.0	7,177.0	8,960.6	7,177.0	33.8	36.5	-90.00	-1,690.1	824.6	674.9	607.5	67.42	10.011		
9,000.0	7,177.0	9,060.6	7,177.0	35.4	38.0	-90.00	-1,790.1	824.6	674.9	604.2	70.69	9.547		
9,100.0	7,177.0	9,160.6	7,177.0	37.1	39.6	-90.00	-1,890.1	824.6	674.9	600.9	73.98	9.122		
9,200.0	7,177.0	9,260.6	7,177.0	38.7	41.1	-90.00	-1,990.1	824.6	674.9	597.6	77.29	8.732		
9,300.0	7,177.0	9,360.6	7,177.0	40.4	42.7	-90.00	-2,090.1	824.6	674.9	594.2	80.62	8.371		
9,400.0	7,177.0	9,460.6	7,177.0	42.0	44.3	-90.00	-2,190.1	824.6	674.9	590.9	83.96	8.038		
9,500.0	7,177.0	9,560.6	7,177.0	43.7	45.9	-90.00	-2,290.1	824.6	674.9	587.5	87.32	7.729		
9,600.0	7,177.0	9,660.6	7,177.0	45.4	47.5	-90.00	-2,390.1	824.6	674.9	584.2	90.68	7.442		
9,700.0	7,177.0	9,760.6	7,177.0	47.1	49.1	-90.00	-2,490.1	824.6	674.9	580.8	94.06	7.175		
9,800.0	7,177.0	9,860.6	7,177.0	48.8	50.7	-90.00	-2,590.1	824.6	674.9	577.4	97.45	6.925		
9,900.0	7,177.0	9,960.6	7,177.0	50.5	52.3	-90.00	-2,690.1	824.6	674.9	574.0	100.84	6.692		
10,000.0	7,177.0	10,060.6	7,177.0	52.2	54.0	-90.00	-2,790.1	824.6	674.9	570.6	104.25	6.474		
10,100.0	7,177.0	10,160.6	7,177.0	53.9	55.6	-90.00	-2,890.1	824.6	674.9	567.2	107.66	6.269		
10,200.0	7,177.0	10,260.6	7,177.0	55.6	57.3	-90.00	-2,990.1	824.6	674.9	563.8	111.07	6.076		

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 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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			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	7,177.0	10,360.6	7,177.0	57.3	58.9	-90.00	-3,090.1	824.5	674.9	560.4	114.49	5.894					
10,400.0	7,177.0	10,460.6	7,177.0	59.0	60.6	-90.00	-3,190.1	824.5	674.9	556.9	117.92	5.723					
10,500.0	7,177.0	10,560.6	7,177.0	60.7	62.3	-90.00	-3,290.1	824.5	674.9	553.5	121.35	5.561					
10,600.0	7,177.0	10,660.6	7,177.0	62.4	64.0	-90.00	-3,390.1	824.5	674.9	550.1	124.78	5.408					
10,700.0	7,177.0	10,760.6	7,177.0	64.2	65.6	-90.00	-3,490.1	824.5	674.9	546.6	128.22	5.263					
10,800.0	7,177.0	10,860.6	7,177.0	65.9	67.3	-90.00	-3,590.1	824.5	674.9	543.2	131.67	5.126					
10,900.0	7,177.0	10,960.6	7,177.0	67.6	69.0	-90.00	-3,690.1	824.5	674.9	539.7	135.11	4.995					
11,000.0	7,177.0	11,060.6	7,177.0	69.3	70.7	-90.00	-3,790.1	824.5	674.9	536.3	138.56	4.870					
11,100.0	7,177.0	11,160.6	7,177.0	71.0	72.4	-90.00	-3,890.1	824.5	674.9	532.8	142.01	4.752					
11,200.0	7,177.0	11,260.6	7,177.0	72.8	74.1	-90.00	-3,990.1	824.5	674.9	529.4	145.47	4.639					
11,300.0	7,177.0	11,360.6	7,177.0	74.5	75.8	-90.00	-4,090.1	824.5	674.9	525.9	148.93	4.531					
11,400.0	7,177.0	11,460.6	7,177.0	76.2	77.5	-90.00	-4,190.1	824.5	674.9	522.5	152.39	4.429					
11,500.0	7,177.0	11,560.6	7,177.0	78.0	79.2	-90.00	-4,290.1	824.5	674.9	519.0	155.85	4.330					
11,600.0	7,177.0	11,660.6	7,177.0	79.7	80.9	-90.00	-4,390.1	824.5	674.9	515.5	159.31	4.236					
11,700.0	7,177.0	11,760.6	7,177.0	81.4	82.6	-90.00	-4,490.1	824.5	674.9	512.1	162.78	4.146					
11,764.5	7,177.0	11,825.1	7,177.0	82.5	83.7	-90.00	-4,554.6	824.5	674.9	509.8	165.01	4.090 SF					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2I-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4985.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2I-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 @ 4985.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

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

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.60°

