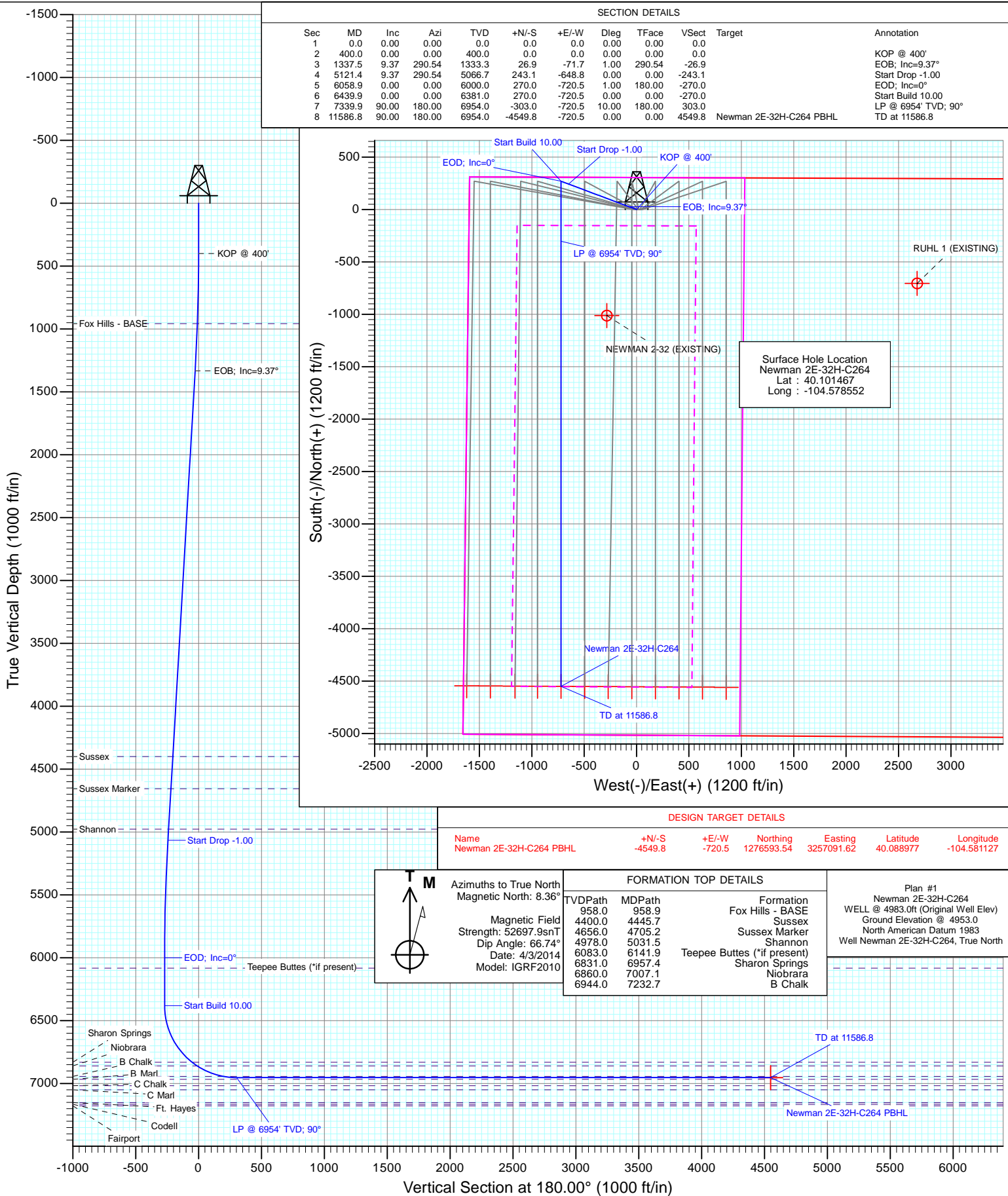




Project: DJ Wattenberg  
Site: S32-T2N-R64W (Newman)  
Well: Newman 2E-32H-C264  
Wellbore: HZ  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2E-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 2E-32H-C264					
Well Position	+N/-S	0.0 ft	Northing:	1,281,150.57 ft	Latitude:	40.101467
	+E/-W	0.0 ft	Easting:	3,257,764.76 ft	Longitude:	-104.578552
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,953.0 ft

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

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

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,337.5	9.37	290.54	1,333.3	26.9	-71.7	1.00	1.00	0.00	290.54	
5,121.4	9.37	290.54	5,066.7	243.1	-648.8	0.00	0.00	0.00	0.00	
6,058.9	0.00	0.00	6,000.0	270.0	-720.5	1.00	-1.00	0.00	180.00	
6,439.9	0.00	0.00	6,381.0	270.0	-720.5	0.00	0.00	0.00	0.00	
7,339.9	90.00	180.00	6,954.0	-303.0	-720.5	10.00	10.00	0.00	180.00	
11,586.8	90.00	180.00	6,954.0	-4,549.8	-720.5	0.00	0.00	0.00	0.00	Newman 2E-32H-C264

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2E-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	290.54	500.0	0.3	-0.8	-0.3	1.00	1.00	
600.0	2.00	290.54	600.0	1.2	-3.3	-1.2	1.00	1.00	
700.0	3.00	290.54	699.9	2.8	-7.4	-2.8	1.00	1.00	
800.0	4.00	290.54	799.7	4.9	-13.1	-4.9	1.00	1.00	
900.0	5.00	290.54	899.4	7.7	-20.4	-7.7	1.00	1.00	
958.9	5.59	290.54	958.0	9.6	-25.5	-9.6	1.00	1.00	Fox Hills - BASE
1,000.0	6.00	290.54	998.9	11.0	-29.4	-11.0	1.00	1.00	
1,100.0	7.00	290.54	1,098.3	15.0	-40.0	-15.0	1.00	1.00	
1,200.0	8.00	290.54	1,197.4	19.6	-52.2	-19.6	1.00	1.00	
1,300.0	9.00	290.54	1,296.3	24.8	-66.1	-24.8	1.00	1.00	
1,337.5	9.37	290.54	1,333.3	26.9	-71.7	-26.9	1.00	1.00	EOB; Inc=9.37°
1,400.0	9.37	290.54	1,395.0	30.4	-81.2	-30.4	0.00	0.00	
1,500.0	9.37	290.54	1,493.7	36.1	-96.4	-36.1	0.00	0.00	
1,600.0	9.37	290.54	1,592.3	41.9	-111.7	-41.9	0.00	0.00	
1,700.0	9.37	290.54	1,691.0	47.6	-127.0	-47.6	0.00	0.00	
1,800.0	9.37	290.54	1,789.6	53.3	-142.2	-53.3	0.00	0.00	
1,900.0	9.37	290.54	1,888.3	59.0	-157.5	-59.0	0.00	0.00	
2,000.0	9.37	290.54	1,987.0	64.7	-172.7	-64.7	0.00	0.00	
2,100.0	9.37	290.54	2,085.6	70.4	-188.0	-70.4	0.00	0.00	
2,200.0	9.37	290.54	2,184.3	76.2	-203.2	-76.2	0.00	0.00	
2,300.0	9.37	290.54	2,283.0	81.9	-218.5	-81.9	0.00	0.00	
2,400.0	9.37	290.54	2,381.6	87.6	-233.7	-87.6	0.00	0.00	
2,500.0	9.37	290.54	2,480.3	93.3	-249.0	-93.3	0.00	0.00	
2,600.0	9.37	290.54	2,579.0	99.0	-264.2	-99.0	0.00	0.00	
2,700.0	9.37	290.54	2,677.6	104.7	-279.5	-104.7	0.00	0.00	
2,800.0	9.37	290.54	2,776.3	110.5	-294.7	-110.5	0.00	0.00	
2,900.0	9.37	290.54	2,875.0	116.2	-310.0	-116.2	0.00	0.00	
3,000.0	9.37	290.54	2,973.6	121.9	-325.3	-121.9	0.00	0.00	
3,100.0	9.37	290.54	3,072.3	127.6	-340.5	-127.6	0.00	0.00	
3,200.0	9.37	290.54	3,170.9	133.3	-355.8	-133.3	0.00	0.00	
3,300.0	9.37	290.54	3,269.6	139.0	-371.0	-139.0	0.00	0.00	
3,400.0	9.37	290.54	3,368.3	144.7	-386.3	-144.7	0.00	0.00	
3,500.0	9.37	290.54	3,466.9	150.5	-401.5	-150.5	0.00	0.00	
3,600.0	9.37	290.54	3,565.6	156.2	-416.8	-156.2	0.00	0.00	
3,700.0	9.37	290.54	3,664.3	161.9	-432.0	-161.9	0.00	0.00	
3,800.0	9.37	290.54	3,762.9	167.6	-447.3	-167.6	0.00	0.00	
3,900.0	9.37	290.54	3,861.6	173.3	-462.5	-173.3	0.00	0.00	
4,000.0	9.37	290.54	3,960.3	179.0	-477.8	-179.0	0.00	0.00	
4,100.0	9.37	290.54	4,058.9	184.8	-493.0	-184.8	0.00	0.00	
4,200.0	9.37	290.54	4,157.6	190.5	-508.3	-190.5	0.00	0.00	
4,300.0	9.37	290.54	4,256.3	196.2	-523.5	-196.2	0.00	0.00	
4,400.0	9.37	290.54	4,354.9	201.9	-538.8	-201.9	0.00	0.00	
4,445.7	9.37	290.54	4,400.0	204.5	-545.8	-204.5	0.00	0.00	Sussex
4,500.0	9.37	290.54	4,453.6	207.6	-554.1	-207.6	0.00	0.00	
4,600.0	9.37	290.54	4,552.2	213.3	-569.3	-213.3	0.00	0.00	
4,700.0	9.37	290.54	4,650.9	219.1	-584.6	-219.1	0.00	0.00	
4,705.2	9.37	290.54	4,656.0	219.4	-585.3	-219.4	0.00	0.00	Sussex Marker

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2E-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	9.37	290.54	4,749.6	224.8	-599.8	-224.8	0.00	0.00	
4,900.0	9.37	290.54	4,848.2	230.5	-615.1	-230.5	0.00	0.00	
5,000.0	9.37	290.54	4,946.9	236.2	-630.3	-236.2	0.00	0.00	
5,031.5	9.37	290.54	4,978.0	238.0	-635.1	-238.0	0.00	0.00	Shannon
5,100.0	9.37	290.54	5,045.6	241.9	-645.6	-241.9	0.00	0.00	
5,121.4	9.37	290.54	5,066.7	243.1	-648.8	-243.1	0.00	0.00	Start Drop -1.00
5,200.0	8.59	290.54	5,144.3	247.5	-660.3	-247.5	1.00	-1.00	
5,300.0	7.59	290.54	5,243.3	252.4	-673.5	-252.4	1.00	-1.00	
5,400.0	6.59	290.54	5,342.6	256.7	-685.1	-256.7	1.00	-1.00	
5,500.0	5.59	290.54	5,442.0	260.4	-695.0	-260.4	1.00	-1.00	
5,600.0	4.59	290.54	5,541.6	263.6	-703.3	-263.6	1.00	-1.00	
5,700.0	3.59	290.54	5,641.3	266.1	-710.0	-266.1	1.00	-1.00	
5,800.0	2.59	290.54	5,741.2	267.9	-715.0	-267.9	1.00	-1.00	
5,900.0	1.59	290.54	5,841.1	269.2	-718.4	-269.2	1.00	-1.00	
6,000.0	0.59	290.54	5,941.1	269.9	-720.2	-269.9	1.00	-1.00	
6,058.9	0.00	0.00	6,000.0	270.0	-720.5	-270.0	1.00	-1.00	EOD; Inc=0°
6,100.0	0.00	0.00	6,041.1	270.0	-720.5	-270.0	0.00	0.00	
6,141.9	0.00	0.00	6,083.0	270.0	-720.5	-270.0	0.00	0.00	Teepee Buttes (*if present)
6,200.0	0.00	0.00	6,141.1	270.0	-720.5	-270.0	0.00	0.00	
6,300.0	0.00	0.00	6,241.1	270.0	-720.5	-270.0	0.00	0.00	
6,400.0	0.00	0.00	6,341.1	270.0	-720.5	-270.0	0.00	0.00	
6,439.9	0.00	0.00	6,381.0	270.0	-720.5	-270.0	0.00	0.00	Start Build 10.00
6,500.0	6.01	180.00	6,441.0	266.9	-720.5	-266.9	10.00	10.00	
6,600.0	16.01	180.00	6,539.0	247.8	-720.5	-247.8	10.00	10.00	
6,700.0	26.01	180.00	6,632.3	212.0	-720.5	-212.0	10.00	10.00	
6,800.0	36.01	180.00	6,717.9	160.5	-720.5	-160.5	10.00	10.00	
6,900.0	46.01	180.00	6,793.2	95.0	-720.5	-95.0	10.00	10.00	
6,957.4	51.75	180.00	6,831.0	51.8	-720.5	-51.8	10.00	10.00	Sharon Springs
7,000.0	56.01	180.00	6,856.1	17.4	-720.5	-17.4	10.00	10.00	
7,007.1	56.71	180.00	6,860.0	11.5	-720.5	-11.5	10.00	10.00	Niobrara
7,100.0	66.01	180.00	6,904.5	-70.0	-720.5	70.0	10.00	10.00	
7,200.0	76.01	180.00	6,937.0	-164.4	-720.5	164.4	10.00	10.00	
7,232.7	79.28	180.00	6,944.0	-196.4	-720.5	196.4	10.00	10.00	B Chalk
7,300.0	86.01	180.00	6,952.6	-263.1	-720.5	263.1	10.00	10.00	
7,339.9	90.00	180.00	6,954.0	-303.0	-720.5	303.0	10.00	10.00	LP @ 6954' TVD; 90°
7,400.0	90.00	180.00	6,954.0	-363.0	-720.5	363.0	0.00	0.00	
7,500.0	90.00	180.00	6,954.0	-463.0	-720.5	463.0	0.00	0.00	
7,600.0	90.00	180.00	6,954.0	-563.0	-720.5	563.0	0.00	0.00	
7,700.0	90.00	180.00	6,954.0	-663.0	-720.5	663.0	0.00	0.00	
7,800.0	90.00	180.00	6,954.0	-763.0	-720.5	763.0	0.00	0.00	
7,900.0	90.00	180.00	6,954.0	-863.0	-720.5	863.0	0.00	0.00	
8,000.0	90.00	180.00	6,954.0	-963.0	-720.5	963.0	0.00	0.00	
8,100.0	90.00	180.00	6,954.0	-1,063.0	-720.5	1,063.0	0.00	0.00	
8,200.0	90.00	180.00	6,954.0	-1,163.0	-720.5	1,163.0	0.00	0.00	
8,300.0	90.00	180.00	6,954.0	-1,263.0	-720.5	1,263.0	0.00	0.00	
8,400.0	90.00	180.00	6,954.0	-1,363.0	-720.5	1,363.0	0.00	0.00	
8,500.0	90.00	180.00	6,954.0	-1,463.0	-720.5	1,463.0	0.00	0.00	
8,600.0	90.00	180.00	6,954.0	-1,563.0	-720.5	1,563.0	0.00	0.00	
8,700.0	90.00	180.00	6,954.0	-1,663.0	-720.5	1,663.0	0.00	0.00	
8,800.0	90.00	180.00	6,954.0	-1,763.0	-720.5	1,763.0	0.00	0.00	
8,900.0	90.00	180.00	6,954.0	-1,863.0	-720.5	1,863.0	0.00	0.00	
9,000.0	90.00	180.00	6,954.0	-1,963.0	-720.5	1,963.0	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R64W (Newman)	<b>North Reference:</b>	True
<b>Well:</b>	Newman 2E-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
9,100.0	90.00	180.00	6,954.0	-2,063.0	-720.5	2,063.0	0.00	0.00	
9,200.0	90.00	180.00	6,954.0	-2,163.0	-720.5	2,163.0	0.00	0.00	
9,300.0	90.00	180.00	6,954.0	-2,263.0	-720.5	2,263.0	0.00	0.00	
9,400.0	90.00	180.00	6,954.0	-2,363.0	-720.5	2,363.0	0.00	0.00	
9,500.0	90.00	180.00	6,954.0	-2,463.0	-720.5	2,463.0	0.00	0.00	
9,600.0	90.00	180.00	6,954.0	-2,563.0	-720.5	2,563.0	0.00	0.00	
9,700.0	90.00	180.00	6,954.0	-2,663.0	-720.5	2,663.0	0.00	0.00	
9,800.0	90.00	180.00	6,954.0	-2,763.0	-720.5	2,763.0	0.00	0.00	
9,900.0	90.00	180.00	6,954.0	-2,863.0	-720.5	2,863.0	0.00	0.00	
10,000.0	90.00	180.00	6,954.0	-2,963.0	-720.5	2,963.0	0.00	0.00	
10,100.0	90.00	180.00	6,954.0	-3,063.0	-720.5	3,063.0	0.00	0.00	
10,200.0	90.00	180.00	6,954.0	-3,163.0	-720.5	3,163.0	0.00	0.00	
10,300.0	90.00	180.00	6,954.0	-3,263.0	-720.5	3,263.0	0.00	0.00	
10,400.0	90.00	180.00	6,954.0	-3,363.0	-720.5	3,363.0	0.00	0.00	
10,500.0	90.00	180.00	6,954.0	-3,463.0	-720.5	3,463.0	0.00	0.00	
10,600.0	90.00	180.00	6,954.0	-3,563.0	-720.5	3,563.0	0.00	0.00	
10,700.0	90.00	180.00	6,954.0	-3,663.0	-720.5	3,663.0	0.00	0.00	
10,800.0	90.00	180.00	6,954.0	-3,763.0	-720.5	3,763.0	0.00	0.00	
10,900.0	90.00	180.00	6,954.0	-3,863.0	-720.5	3,863.0	0.00	0.00	
11,000.0	90.00	180.00	6,954.0	-3,963.0	-720.5	3,963.0	0.00	0.00	
11,100.0	90.00	180.00	6,954.0	-4,063.0	-720.5	4,063.0	0.00	0.00	
11,200.0	90.00	180.00	6,954.0	-4,163.0	-720.5	4,163.0	0.00	0.00	
11,300.0	90.00	180.00	6,954.0	-4,263.0	-720.5	4,263.0	0.00	0.00	
11,400.0	90.00	180.00	6,954.0	-4,363.0	-720.5	4,363.0	0.00	0.00	
11,500.0	90.00	180.00	6,954.0	-4,463.0	-720.5	4,463.0	0.00	0.00	
11,586.8	90.00	180.00	6,954.0	-4,549.8	-720.5	4,549.8	0.00	0.00	TD at 11586.8

### 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 2E-32H-C264 I	0.00	0.00	6,954.0	-4,549.8	-720.5	1,276,593.54	3,257,091.62	40.088977	-104.581127
- plan hits target center									
- Point									

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
958.9	958.0	Fox Hills - BASE			
4,445.7	4,400.0	Sussex			
4,705.2	4,656.0	Sussex Marker			
5,031.5	4,978.0	Shannon			
6,141.9	6,083.0	Teepee Buttes (*if present)			
6,957.4	6,831.0	Sharon Springs			
7,007.1	6,860.0	Niobrara			
7,232.7	6,944.0	B Chalk			

## Planning Report

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

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
400.0	400.0	0.0	0.0	KOP @ 400'
1,337.5	1,333.3	26.9	-71.7	EOB; Inc=9.37°
5,121.4	5,066.7	243.1	-648.8	Start Drop -1.00
6,058.9	6,000.0	270.0	-720.5	EOD; Inc=0°
6,439.9	6,381.0	270.0	-720.5	Start Build 10.00
7,339.9	6,954.0	-303.0	-720.5	LP @ 6954' TVD; 90°
11,586.8	6,954.0	-4,549.8	-720.5	TD at 11586.8

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

**DJ Wattenberg**

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

**Newman 2E-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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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	11,586.8	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
S32-T2N-R64W (Newman)						
NEWMAN 2-32 (EXISTING) - EXISTING - ENCANA WE	8,049.3	6,904.0	436.8	401.9	12.508	CC, ES
NEWMAN 2-32 (EXISTING) - EXISTING - ENCANA WE	8,100.0	6,904.0	439.8	404.1	12.326	SF
Newman 2A-32H-C264 - HZ - Plan #1	200.0	199.0	30.2	29.6	51.066	CC, ES
Newman 2A-32H-C264 - HZ - Plan #1	11,586.8	11,828.7	904.6	740.9	5.526	SF
Newman 2B-32H-C264 - HZ - Plan #1	233.4	233.4	22.7	22.0	31.926	CC, ES
Newman 2B-32H-C264 - HZ - Plan #1	11,586.8	11,708.3	675.1	510.5	4.100	SF
Newman 2C-32H-C264 - HZ - Plan #1	300.0	300.0	15.1	14.2	16.028	CC, ES
Newman 2C-32H-C264 - HZ - Plan #1	11,586.8	11,876.5	492.5	344.5	3.328	SF
Newman 2D-32H-C264 - HZ - Plan #1	333.5	333.5	7.6	6.5	7.130	CC, ES
Newman 2D-32H-C264 - HZ - Plan #1	11,586.8	11,707.0	242.7	89.5	1.584	SF
Newman 2F-32H-C264 - HZ - Plan #1	400.0	401.0	7.3	6.0	5.624	CC, ES
Newman 2F-32H-C264 - HZ - Plan #1	11,586.8	11,781.6	315.3	194.9	2.618	SF
Newman 2G-32H-C264 - HZ - Plan #1	400.0	401.0	14.8	13.5	11.464	CC, ES
Newman 2G-32H-C264 - HZ - Plan #1	11,586.8	11,634.6	459.0	297.4	2.840	SF
Newman 2H-32H-C264 - HZ - Plan #1	400.0	401.0	22.4	21.1	17.306	CC, ES
Newman 2H-32H-C264 - HZ - Plan #1	11,586.8	11,535.8	674.9	510.2	4.098	SF
Newman 2I-32H-C264 - HZ - Plan #1	366.0	368.0	29.9	28.8	25.447	CC
Newman 2I-32H-C264 - HZ - Plan #1	400.0	402.0	29.9	28.6	23.115	ES
Newman 2I-32H-C264 - HZ - Plan #1	11,586.8	11,759.4	926.8	766.6	5.783	SF
Newman 2J-32H-C264 - HZ - Plan #1	330.7	332.7	37.5	36.4	35.600	CC
Newman 2J-32H-C264 - HZ - Plan #1	400.0	401.7	37.7	36.4	29.101	ES
Newman 2J-32H-C264 - HZ - Plan #1	600.0	600.4	45.2	43.2	22.690	SF
Newman 2K-32H-C264 - HZ - Plan #1	266.0	268.0	44.8	43.9	54.107	CC
Newman 2K-32H-C264 - HZ - Plan #1	300.0	302.0	44.8	43.8	47.317	ES
Newman 2K-32H-C264 - HZ - Plan #1	700.0	698.0	64.8	62.5	27.700	SF
Newman 2L-32H-C264 - HZ - Plan #1	230.6	232.6	52.3	51.6	74.351	CC
Newman 2L-32H-C264 - HZ - Plan #1	300.0	301.6	52.5	51.6	55.577	ES
Newman 2L-32H-C264 - HZ - Plan #1	700.0	696.6	76.4	74.1	32.683	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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,200.0	6,937.0	6,887.0	6,887.0	18.1	12.0	-64.86	-1,012.3	-283.7	953.8	930.2	23.57	40.468		
7,300.0	6,952.6	6,902.6	6,902.6	18.6	12.0	-83.19	-1,012.3	-283.7	867.3	841.8	25.51	33.999		
7,400.0	6,954.0	6,904.0	6,904.0	19.3	12.0	-90.00	-1,012.3	-283.7	782.6	756.0	26.57	29.450		
7,500.0	6,954.0	6,904.0	6,904.0	20.0	12.0	-90.00	-1,012.3	-283.7	701.8	674.2	27.61	25.420		
7,600.0	6,954.0	6,904.0	6,904.0	20.9	12.0	-90.00	-1,012.3	-283.7	626.6	597.9	28.76	21.785		
7,700.0	6,954.0	6,904.0	6,904.0	22.0	12.0	-90.00	-1,012.3	-283.7	559.3	529.3	30.02	18.632		
7,800.0	6,954.0	6,904.0	6,904.0	23.1	12.0	-90.00	-1,012.3	-283.7	502.9	471.6	31.35	16.043		
7,900.0	6,954.0	6,904.0	6,904.0	24.2	12.0	-90.00	-1,012.3	-283.7	461.6	428.9	32.74	14.098		
8,000.0	6,954.0	6,904.0	6,904.0	25.5	12.0	-90.00	-1,012.3	-283.7	439.6	405.4	34.19	12.858		
8,049.3	6,954.0	6,904.0	6,904.0	26.1	12.0	-90.00	-1,012.3	-283.7	436.8	401.9	34.92	12.508 CC, ES		
8,100.0	6,954.0	6,904.0	6,904.0	26.8	12.0	-90.00	-1,012.3	-283.7	439.8	404.1	35.68	12.326 SF		
8,200.0	6,954.0	6,904.0	6,904.0	28.1	12.0	-90.00	-1,012.3	-283.7	462.1	424.9	37.20	12.422		
8,300.0	6,954.0	6,904.0	6,904.0	29.5	12.0	-90.00	-1,012.3	-283.7	503.7	464.9	38.75	12.998		
8,400.0	6,954.0	6,904.0	6,904.0	31.0	12.0	-90.00	-1,012.3	-283.7	560.2	519.9	40.32	13.892		
8,500.0	6,954.0	6,904.0	6,904.0	32.4	12.0	-90.00	-1,012.3	-283.7	627.7	585.7	41.92	14.974		
8,600.0	6,954.0	6,904.0	6,904.0	33.9	12.0	-90.00	-1,012.3	-283.7	702.9	659.4	43.53	16.148		
8,700.0	6,954.0	6,904.0	6,904.0	35.4	12.0	-90.00	-1,012.3	-283.7	783.7	738.6	45.15	17.357		
8,800.0	6,954.0	6,904.0	6,904.0	37.0	12.0	-90.00	-1,012.3	-283.7	868.6	821.8	46.79	18.562		
8,900.0	6,954.0	6,904.0	6,904.0	38.5	12.0	-90.00	-1,012.3	-283.7	956.3	907.9	48.44	19.741		

# Anticollision Report

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

Offset Design S32-T2N-R64W (Newman) - Newman 2A-32H-C264 - HZ - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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	-89.26	0.4	-30.2	30.2						
100.0	100.0	99.0	99.0	0.1	0.1	-89.26	0.4	-30.2	30.2	30.0	0.24	124.274			
200.0	200.0	199.0	199.0	0.3	0.3	-89.26	0.4	-30.2	30.2	29.6	0.59	51.066	CC, ES		
300.0	300.0	297.9	297.9	0.5	0.5	-88.77	0.7	-31.9	31.9	30.9	0.94	33.855			
400.0	400.0	396.6	396.5	0.6	0.7	-87.56	1.6	-36.9	37.0	35.7	1.30	28.332			
500.0	500.0	495.0	494.4	0.8	0.9	-16.98	3.0	-45.1	44.6	43.0	1.63	27.342			
600.0	600.0	592.8	591.6	1.0	1.1	-16.33	5.1	-56.7	54.1	52.1	1.98	27.310			
700.0	699.9	690.2	687.8	1.2	1.5	-16.00	7.7	-71.4	65.2	62.9	2.33	28.023			
800.0	799.7	787.0	782.9	1.4	1.8	-15.87	10.9	-89.2	78.0	75.3	2.67	29.176			
900.0	899.4	883.1	876.6	1.6	2.2	-15.86	14.6	-110.0	92.5	89.4	3.02	30.604			
1,000.0	998.9	978.5	968.9	1.8	2.7	-15.92	18.8	-133.7	108.5	105.2	3.37	32.206			
1,100.0	1,098.3	1,073.1	1,059.7	2.1	3.2	-16.02	23.5	-160.2	126.2	122.5	3.72	33.921			
1,200.0	1,197.4	1,171.6	1,153.6	2.3	3.7	-16.21	28.6	-189.2	143.8	139.7	4.08	35.216			
1,300.0	1,296.3	1,270.3	1,247.8	2.6	4.3	-16.54	33.8	-218.3	159.7	155.3	4.45	35.877			
1,400.0	1,395.0	1,369.2	1,342.2	2.9	4.8	-16.97	39.0	-247.5	174.4	169.5	4.83	36.100			
1,500.0	1,493.7	1,468.1	1,436.6	3.2	5.4	-17.35	44.1	-276.6	188.9	183.6	5.21	36.237			
1,600.0	1,592.3	1,567.1	1,531.0	3.5	5.9	-17.68	49.3	-305.8	203.4	197.8	5.60	36.337			
1,700.0	1,691.0	1,666.0	1,625.4	3.9	6.5	-17.96	54.5	-334.9	217.9	211.9	5.98	36.410			
1,800.0	1,789.6	1,764.9	1,719.8	4.2	7.1	-18.21	59.7	-364.1	232.4	226.0	6.37	36.462			
1,900.0	1,888.3	1,863.9	1,814.2	4.5	7.6	-18.43	64.9	-393.2	246.9	240.2	6.77	36.498			
2,000.0	1,987.0	1,962.8	1,908.6	4.8	8.2	-18.63	70.0	-422.4	261.4	254.3	7.16	36.522			
2,100.0	2,085.6	2,061.7	2,003.0	5.2	8.7	-18.81	75.2	-451.5	276.0	268.4	7.55	36.537			
2,200.0	2,184.3	2,160.7	2,097.4	5.5	9.3	-18.96	80.4	-480.7	290.5	282.6	7.95	36.544			
2,300.0	2,283.0	2,259.6	2,191.8	5.8	9.9	-19.11	85.6	-509.9	305.0	296.7	8.35	36.546			
2,400.0	2,381.6	2,358.6	2,286.2	6.1	10.4	-19.24	90.8	-539.0	319.6	310.8	8.74	36.544			
2,500.0	2,480.3	2,457.5	2,380.6	6.5	11.0	-19.35	95.9	-568.2	334.1	325.0	9.14	36.539			
2,600.0	2,579.0	2,556.4	2,475.0	6.8	11.6	-19.46	101.1	-597.3	348.6	339.1	9.54	36.531			
2,700.0	2,677.6	2,655.4	2,569.4	7.1	12.1	-19.56	106.3	-626.5	363.2	353.2	9.94	36.522			
2,800.0	2,776.3	2,754.3	2,663.8	7.5	12.7	-19.65	111.5	-655.6	377.7	367.4	10.35	36.511			
2,900.0	2,875.0	2,853.2	2,758.2	7.8	13.3	-19.74	116.6	-684.8	392.3	381.5	10.75	36.498			
3,000.0	2,973.6	2,952.2	2,852.6	8.1	13.8	-19.82	121.8	-713.9	406.8	395.7	11.15	36.486			
3,100.0	3,072.3	3,051.1	2,947.0	8.5	14.4	-19.89	127.0	-743.1	421.3	409.8	11.55	36.472			
3,200.0	3,170.9	3,150.0	3,041.4	8.8	14.9	-19.96	132.2	-772.3	435.9	423.9	11.96	36.458			
3,300.0	3,269.6	3,249.0	3,135.8	9.1	15.5	-20.03	137.4	-801.4	450.4	438.1	12.36	36.444			
3,400.0	3,368.3	3,347.9	3,230.2	9.5	16.1	-20.09	142.5	-830.6	465.0	452.2	12.76	36.430			
3,500.0	3,466.9	3,446.8	3,324.6	9.8	16.6	-20.14	147.7	-859.7	479.5	466.4	13.17	36.416			
3,600.0	3,565.6	3,545.8	3,419.0	10.1	17.2	-20.20	152.9	-888.9	494.1	480.5	13.57	36.402			
3,700.0	3,664.3	3,644.7	3,513.4	10.5	17.8	-20.25	158.1	-918.0	508.6	494.6	13.98	36.388			
3,800.0	3,762.9	3,743.7	3,607.8	10.8	18.3	-20.29	163.2	-947.2	523.2	508.8	14.38	36.375			
3,900.0	3,861.6	3,842.6	3,702.2	11.1	18.9	-20.34	168.4	-976.3	537.7	522.9	14.79	36.361			
4,000.0	3,960.3	3,941.5	3,796.6	11.5	19.5	-20.38	173.6	-1,005.5	552.2	537.1	15.19	36.348			
4,100.0	4,058.9	4,040.5	3,891.0	11.8	20.0	-20.42	178.8	-1,034.7	566.8	551.2	15.60	36.335			
4,200.0	4,157.6	4,139.4	3,985.4	12.1	20.6	-20.46	184.0	-1,063.8	581.3	565.3	16.01	36.322			
4,300.0	4,256.3	4,238.3	4,079.8	12.5	21.2	-20.50	189.1	-1,093.0	595.9	579.5	16.41	36.309			
4,400.0	4,354.9	4,337.3	4,174.2	12.8	21.7	-20.53	194.3	-1,122.1	610.4	593.6	16.82	36.297			
4,500.0	4,453.6	4,436.2	4,268.6	13.1	22.3	-20.56	199.5	-1,151.3	625.0	607.8	17.22	36.285			
4,600.0	4,552.2	4,535.1	4,363.0	13.5	22.9	-20.60	204.7	-1,180.4	639.5	621.9	17.63	36.273			
4,700.0	4,650.9	4,634.1	4,457.4	13.8	23.4	-20.63	209.8	-1,209.6	654.1	636.0	18.04	36.261			
4,800.0	4,749.6	4,733.0	4,551.8	14.1	24.0	-20.65	215.0	-1,238.7	668.6	650.2	18.44	36.250			
4,900.0	4,848.2	4,831.9	4,646.2	14.5	24.6	-20.68	220.2	-1,267.9	683.2	664.3	18.85	36.239			
5,000.0	4,946.9	4,930.9	4,740.6	14.8	25.1	-20.71	225.4	-1,297.1	697.7	678.5	19.26	36.228			
5,100.0	5,045.6	5,029.8	4,835.0	15.2	25.7	-20.73	230.6	-1,326.2	712.3	692.6	19.67	36.218			

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

Offset Design S32-T2N-R64W (Newman) - Newman 2A-32H-C264 - HZ - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,200.0	5,144.3	5,128.7	4,929.3	15.5	26.2	-20.79	235.7	-1,355.3	727.3	707.2	20.07	36.244	
5,300.0	5,243.3	5,227.3	5,023.4	15.8	26.8	-20.81	240.9	-1,384.4	743.9	723.5	20.45	36.381	
5,400.0	5,342.6	5,325.6	5,117.2	16.0	27.4	-20.79	246.0	-1,413.4	762.2	741.4	20.81	36.626	
5,500.0	5,442.0	5,449.8	5,236.2	16.3	28.0	-20.72	252.3	-1,448.4	780.8	759.6	21.19	36.842	
5,600.0	5,541.6	5,585.2	5,367.5	16.5	28.6	-20.65	258.0	-1,480.9	796.7	775.1	21.58	36.913	
5,700.0	5,641.3	5,722.2	5,501.8	16.7	29.1	-20.60	262.8	-1,507.5	809.5	787.5	21.96	36.861	
5,800.0	5,741.2	5,860.4	5,638.4	16.8	29.5	-20.56	266.4	-1,527.9	819.3	796.9	22.33	36.690	
5,900.0	5,841.1	5,999.5	5,776.8	17.0	29.8	-20.53	268.9	-1,541.9	825.9	803.2	22.69	36.401	
6,000.0	5,941.1	6,139.2	5,916.2	17.1	29.9	-20.52	270.2	-1,549.3	829.4	806.4	23.04	36.000	
6,100.0	6,041.1	6,263.1	6,040.1	17.2	30.0	-89.97	270.4	-1,550.5	830.0	806.6	23.37	35.509	
6,200.0	6,141.1	6,363.1	6,140.1	17.3	30.1	-89.97	270.4	-1,550.5	830.0	806.3	23.70	35.028	
6,300.0	6,241.1	6,463.1	6,240.1	17.4	30.1	-89.97	270.4	-1,550.5	830.0	806.0	24.02	34.558	
6,400.0	6,341.1	6,563.1	6,340.1	17.5	30.2	-89.97	270.4	-1,550.5	830.0	805.7	24.34	34.100	
6,444.4	6,385.5	6,607.4	6,384.5	17.6	30.2	90.10	270.4	-1,550.5	830.0	805.6	24.45	33.950	
6,500.0	6,441.0	6,663.0	6,440.0	17.6	30.3	90.24	270.4	-1,550.5	830.0	805.5	24.57	33.785	
6,600.0	6,539.0	6,761.9	6,538.8	17.6	30.3	91.25	266.4	-1,550.6	830.3	805.8	24.45	33.958	
6,700.0	6,632.3	6,863.2	6,637.8	17.6	30.3	92.28	245.6	-1,550.9	831.1	806.8	24.24	34.282	
6,800.0	6,717.9	6,967.5	6,734.3	17.5	30.3	93.26	206.3	-1,551.4	832.4	808.3	24.08	34.565	
6,900.0	6,793.2	7,075.0	6,824.6	17.5	30.3	94.15	148.3	-1,552.3	834.1	810.0	24.08	34.633	
7,000.0	6,856.1	7,185.5	6,904.5	17.6	30.3	94.91	72.2	-1,553.4	836.2	811.8	24.35	34.338	
7,100.0	6,904.5	7,299.0	6,969.7	17.8	30.4	95.52	-20.4	-1,554.7	838.3	813.4	24.94	33.613	
7,200.0	6,937.0	7,414.9	7,016.2	18.1	30.6	95.95	-126.3	-1,556.3	840.5	814.6	25.90	32.447	
7,300.0	6,952.6	7,532.7	7,040.7	18.6	30.9	96.16	-241.3	-1,558.0	842.5	815.3	27.21	30.963	
7,400.0	6,954.0	7,642.3	7,044.0	19.3	31.3	96.19	-350.8	-1,559.5	844.1	815.1	28.93	29.171	
7,500.0	6,954.0	7,742.3	7,044.0	20.0	31.8	96.18	-450.8	-1,561.0	845.5	814.5	30.97	27.300	
7,600.0	6,954.0	7,842.3	7,044.0	20.9	32.3	96.17	-550.8	-1,562.5	847.0	813.7	33.25	25.472	
7,700.0	6,954.0	7,942.3	7,044.0	22.0	33.0	96.16	-650.8	-1,563.9	848.4	812.7	35.72	23.748	
7,800.0	6,954.0	8,042.3	7,044.0	23.1	33.7	96.15	-750.7	-1,565.4	849.8	811.5	38.36	22.156	
7,900.0	6,954.0	8,142.3	7,044.0	24.2	34.5	96.14	-850.7	-1,566.8	851.3	810.2	41.12	20.704	
8,000.0	6,954.0	8,242.3	7,044.0	25.5	35.4	96.13	-950.7	-1,568.3	852.7	808.8	43.98	19.388	
8,100.0	6,954.0	8,342.2	7,044.0	26.8	36.3	96.12	-1,050.7	-1,569.7	854.2	807.3	46.93	18.201	
8,200.0	6,954.0	8,442.2	7,044.0	28.1	37.3	96.11	-1,150.7	-1,571.2	855.6	805.7	49.95	17.130	
8,300.0	6,954.0	8,542.2	7,044.0	29.5	38.3	96.10	-1,250.6	-1,572.6	857.1	804.1	53.03	16.163	
8,400.0	6,954.0	8,642.2	7,044.0	31.0	39.4	96.09	-1,350.6	-1,574.1	858.5	802.4	56.15	15.289	
8,500.0	6,954.0	8,742.2	7,044.0	32.4	40.6	96.07	-1,450.6	-1,575.5	860.0	800.7	59.32	14.497	
8,600.0	6,954.0	8,842.2	7,044.0	33.9	41.8	96.06	-1,550.6	-1,577.0	861.4	798.9	62.52	13.778	
8,700.0	6,954.0	8,942.2	7,044.0	35.4	43.0	96.05	-1,650.5	-1,578.4	862.9	797.1	65.75	13.124	
8,800.0	6,954.0	9,042.2	7,044.0	37.0	44.3	96.04	-1,750.5	-1,579.9	864.3	795.3	69.01	12.525	
8,900.0	6,954.0	9,142.2	7,044.0	38.5	45.6	96.03	-1,850.5	-1,581.4	865.8	793.5	72.28	11.977	
9,000.0	6,954.0	9,242.2	7,044.0	40.1	46.9	96.02	-1,950.5	-1,582.8	867.2	791.6	75.58	11.474	
9,100.0	6,954.0	9,342.1	7,044.0	41.7	48.3	96.01	-2,050.5	-1,584.3	868.7	789.8	78.89	11.011	
9,200.0	6,954.0	9,442.1	7,044.0	43.3	49.6	96.00	-2,150.4	-1,585.7	870.1	787.9	82.22	10.582	
9,300.0	6,954.0	9,542.1	7,044.0	44.9	51.0	95.99	-2,250.4	-1,587.2	871.5	786.0	85.56	10.186	
9,400.0	6,954.0	9,642.1	7,044.0	46.5	52.5	95.98	-2,350.4	-1,588.6	873.0	784.1	88.91	9.818	
9,500.0	6,954.0	9,742.1	7,044.0	48.1	53.9	95.97	-2,450.4	-1,590.1	874.4	782.2	92.28	9.476	
9,600.0	6,954.0	9,842.1	7,044.0	49.8	55.4	95.96	-2,550.4	-1,591.5	875.9	780.2	95.65	9.157	
9,700.0	6,954.0	9,942.1	7,044.0	51.4	56.9	95.95	-2,650.3	-1,593.0	877.3	778.3	99.03	8.859	
9,800.0	6,954.0	10,042.1	7,044.0	53.1	58.4	95.94	-2,750.3	-1,594.4	878.8	776.4	102.42	8.580	
9,900.0	6,954.0	10,142.1	7,044.0	54.7	59.9	95.93	-2,850.3	-1,595.9	880.2	774.4	105.81	8.319	
10,000.0	6,954.0	10,242.0	7,044.0	56.4	61.4	95.92	-2,950.3	-1,597.3	881.7	772.5	109.22	8.073	
10,100.0	6,954.0	10,342.0	7,044.0	58.1	63.0	95.92	-3,050.2	-1,598.8	883.1	770.5	112.62	7.841	
10,200.0	6,954.0	10,442.0	7,044.0	59.7	64.5	95.91	-3,150.2	-1,600.3	884.6	768.5	116.03	7.623	

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

Offset Design											S32-T2N-R64W (Newman) - Newman 2A-32H-C264 - HZ - Plan #1		Offset Site Error:		0.0 ft
Survey Program:											0-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
10,300.0	6,954.0	10,542.0	7,044.0	61.4	66.1	95.90	-3,250.2	-1,601.7	886.0	766.6	119.45	7.417			
10,400.0	6,954.0	10,642.0	7,044.0	63.1	67.6	95.89	-3,350.2	-1,603.2	887.5	764.6	122.87	7.223			
10,500.0	6,954.0	10,742.0	7,044.0	64.8	69.2	95.88	-3,450.2	-1,604.6	888.9	762.6	126.30	7.038			
10,600.0	6,954.0	10,842.0	7,044.0	66.5	70.8	95.87	-3,550.1	-1,606.1	890.4	760.6	129.72	6.863			
10,700.0	6,954.0	10,942.0	7,044.0	68.2	72.4	95.86	-3,650.1	-1,607.5	891.8	758.7	133.16	6.697			
10,800.0	6,954.0	11,042.0	7,044.0	69.9	74.0	95.85	-3,750.1	-1,609.0	893.3	756.7	136.59	6.540			
10,900.0	6,954.0	11,142.0	7,044.0	71.6	75.6	95.84	-3,850.1	-1,610.4	894.7	754.7	140.03	6.389			
11,000.0	6,954.0	11,241.9	7,044.0	73.3	77.2	95.83	-3,950.1	-1,611.9	896.1	752.7	143.47	6.246			
11,100.0	6,954.0	11,341.9	7,044.0	75.0	78.9	95.82	-4,050.0	-1,613.3	897.6	750.7	146.91	6.110			
11,200.0	6,954.0	11,441.9	7,044.0	76.7	80.5	95.81	-4,150.0	-1,614.8	899.0	748.7	150.36	5.979			
11,300.0	6,954.0	11,541.9	7,044.0	78.4	82.1	95.80	-4,250.0	-1,616.2	900.5	746.7	153.81	5.855			
11,400.0	6,954.0	11,641.9	7,044.0	80.1	83.8	95.79	-4,350.0	-1,617.7	901.9	744.7	157.26	5.735			
11,500.0	6,954.0	11,741.9	7,044.0	81.8	85.4	95.78	-4,450.0	-1,619.2	903.4	742.7	160.71	5.621			
11,586.8	6,954.0	11,828.7	7,044.0	83.3	86.8	95.77	-4,536.7	-1,620.4	904.6	740.9	163.71	5.526 SF			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.05	0.4	-22.7	22.7					
100.0	100.0	100.0	100.0	0.1	0.1	-89.05	0.4	-22.7	22.7	22.4	0.24	92.745		
200.0	200.0	200.0	200.0	0.3	0.3	-89.05	0.4	-22.7	22.7	22.1	0.59	38.189		
233.4	233.4	233.4	233.4	0.4	0.4	-89.05	0.4	-22.7	22.7	22.0	0.71	31.926	CC, ES	
300.0	300.0	299.6	299.6	0.5	0.5	-88.86	0.5	-23.1	23.1	22.1	0.94	24.510		
400.0	400.0	398.7	398.6	0.6	0.7	-87.57	1.1	-26.4	26.5	25.2	1.30	20.452		
500.0	500.0	497.5	497.2	0.8	0.9	-16.75	2.4	-33.1	32.5	30.9	1.64	19.863		
600.0	600.0	596.0	595.1	1.0	1.1	-15.93	4.4	-43.1	40.3	38.3	1.98	20.299		
700.0	699.9	694.0	692.2	1.2	1.4	-15.48	7.0	-56.4	49.8	47.4	2.33	21.344		
800.0	799.7	791.5	788.3	1.4	1.7	-15.28	10.2	-72.7	61.0	58.3	2.68	22.751		
900.0	899.4	888.4	883.1	1.6	2.1	-15.21	14.0	-92.2	73.8	70.8	3.03	24.382		
1,000.0	998.9	984.6	976.6	1.8	2.5	-15.22	18.5	-114.6	88.4	85.0	3.38	26.156		
1,100.0	1,098.3	1,081.7	1,070.1	2.1	3.0	-15.30	23.4	-140.0	104.2	100.5	3.73	27.918		
1,200.0	1,197.4	1,180.6	1,165.3	2.3	3.5	-15.55	28.6	-166.3	118.9	114.8	4.09	29.037		
1,300.0	1,296.3	1,279.7	1,260.7	2.6	4.0	-15.94	33.8	-192.8	131.9	127.5	4.46	29.561		
1,400.0	1,395.0	1,379.0	1,356.3	2.9	4.5	-16.44	39.0	-219.2	143.6	138.8	4.84	29.676		
1,500.0	1,493.7	1,478.3	1,451.9	3.2	5.0	-16.89	44.2	-245.7	155.2	150.0	5.22	29.725		
1,600.0	1,592.3	1,577.7	1,547.5	3.5	5.5	-17.28	49.4	-272.2	166.8	161.2	5.61	29.752		
1,700.0	1,691.0	1,677.0	1,643.0	3.9	6.0	-17.61	54.7	-298.6	178.4	172.4	5.99	29.763		
1,800.0	1,789.6	1,776.3	1,738.6	4.2	6.5	-17.91	59.9	-325.1	190.0	183.6	6.38	29.762		
1,900.0	1,888.3	1,875.6	1,834.2	4.5	7.0	-18.17	65.1	-351.6	201.6	194.8	6.78	29.753		
2,000.0	1,987.0	1,974.9	1,929.8	4.8	7.5	-18.40	70.3	-378.1	213.2	206.1	7.17	29.737		
2,100.0	2,085.6	2,074.2	2,025.4	5.2	8.1	-18.61	75.5	-404.5	224.9	217.3	7.57	29.717		
2,200.0	2,184.3	2,173.6	2,121.0	5.5	8.6	-18.80	80.7	-431.0	236.5	228.5	7.96	29.694		
2,300.0	2,283.0	2,272.9	2,216.5	5.8	9.1	-18.97	85.9	-457.5	248.1	239.7	8.36	29.670		
2,400.0	2,381.6	2,372.2	2,312.1	6.1	9.6	-19.13	91.1	-484.0	259.7	251.0	8.76	29.643		
2,500.0	2,480.3	2,471.5	2,407.7	6.5	10.1	-19.27	96.3	-510.4	271.4	262.2	9.16	29.616		
2,600.0	2,579.0	2,570.8	2,503.3	6.8	10.6	-19.40	101.5	-536.9	283.0	273.4	9.56	29.589		
2,700.0	2,677.6	2,670.2	2,598.9	7.1	11.1	-19.52	106.7	-563.4	294.6	284.7	9.97	29.561		
2,800.0	2,776.3	2,769.5	2,694.5	7.5	11.7	-19.63	111.9	-589.9	306.3	295.9	10.37	29.534		
2,900.0	2,875.0	2,868.8	2,790.1	7.8	12.2	-19.73	117.1	-616.3	317.9	307.1	10.77	29.507		
3,000.0	2,973.6	2,968.1	2,885.6	8.1	12.7	-19.83	122.3	-642.8	329.5	318.3	11.18	29.481		
3,100.0	3,072.3	3,067.4	2,981.2	8.5	13.2	-19.92	127.5	-669.3	341.2	329.6	11.58	29.455		
3,200.0	3,170.9	3,166.8	3,076.8	8.8	13.7	-20.00	132.8	-695.8	352.8	340.8	11.99	29.430		
3,300.0	3,269.6	3,266.1	3,172.4	9.1	14.2	-20.08	138.0	-722.2	364.4	352.0	12.39	29.405		
3,400.0	3,368.3	3,365.4	3,268.0	9.5	14.8	-20.15	143.2	-748.7	376.1	363.3	12.80	29.381		
3,500.0	3,466.9	3,464.7	3,363.6	9.8	15.3	-20.22	148.4	-775.2	387.7	374.5	13.21	29.358		
3,600.0	3,565.6	3,564.0	3,459.1	10.1	15.8	-20.28	153.6	-801.7	399.3	385.7	13.61	29.335		
3,700.0	3,664.3	3,663.4	3,554.7	10.5	16.3	-20.34	158.8	-828.1	411.0	397.0	14.02	29.313		
3,800.0	3,762.9	3,762.7	3,650.3	10.8	16.8	-20.40	164.0	-854.6	422.6	408.2	14.43	29.292		
3,900.0	3,861.6	3,862.0	3,745.9	11.1	17.3	-20.46	169.2	-881.1	434.3	419.4	14.84	29.272		
4,000.0	3,960.3	3,961.3	3,841.5	11.5	17.9	-20.51	174.4	-907.6	445.9	430.7	15.24	29.252		
4,100.0	4,058.9	4,060.6	3,937.1	11.8	18.4	-20.56	179.6	-934.0	457.5	441.9	15.65	29.232		
4,200.0	4,157.6	4,160.0	4,032.6	12.1	18.9	-20.60	184.8	-960.5	469.2	453.1	16.06	29.214		
4,300.0	4,256.3	4,259.3	4,128.2	12.5	19.4	-20.65	190.0	-987.0	480.8	464.4	16.47	29.196		
4,400.0	4,354.9	4,358.6	4,223.8	12.8	19.9	-20.69	195.2	-1,013.4	492.5	475.6	16.88	29.178		
4,500.0	4,453.6	4,457.9	4,319.4	13.1	20.4	-20.73	200.4	-1,039.9	504.1	486.8	17.29	29.161		
4,600.0	4,552.2	4,557.2	4,415.0	13.5	20.9	-20.77	205.6	-1,066.4	515.8	498.1	17.70	29.145		
4,700.0	4,650.9	4,656.6	4,510.6	13.8	21.5	-20.81	210.9	-1,092.9	527.4	509.3	18.11	29.129		
4,800.0	4,749.6	4,755.9	4,606.2	14.1	22.0	-20.84	216.1	-1,119.3	539.0	520.5	18.52	29.113		
4,900.0	4,848.2	4,855.2	4,701.7	14.5	22.5	-20.87	221.3	-1,145.8	550.7	531.8	18.92	29.098		
5,000.0	4,946.9	4,954.5	4,797.3	14.8	23.0	-20.91	226.5	-1,172.3	562.3	543.0	19.33	29.084		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,045.6	5,053.8	4,892.9	15.2	23.5	-20.94	231.7	-1,198.8	574.0	554.2	19.74	29.070		
5,200.0	5,144.3	5,153.1	4,988.4	15.5	24.1	-20.98	236.9	-1,225.2	586.1	566.0	20.15	29.091		
5,300.0	5,243.3	5,252.1	5,083.8	15.8	24.6	-20.98	242.1	-1,251.6	599.8	579.3	20.53	29.221		
5,400.0	5,342.6	5,351.0	5,178.9	16.0	25.1	-20.94	247.3	-1,278.0	615.2	594.3	20.89	29.455		
5,500.0	5,442.0	5,464.4	5,288.2	16.3	25.6	-20.83	253.0	-1,307.4	631.5	610.2	21.24	29.726		
5,600.0	5,541.6	5,591.0	5,411.6	16.5	26.2	-20.72	258.6	-1,335.6	645.6	624.0	21.61	29.873		
5,700.0	5,641.3	5,718.9	5,537.3	16.7	26.6	-20.64	263.1	-1,358.6	657.0	635.0	21.97	29.904		
5,800.0	5,741.2	5,847.7	5,664.8	16.8	26.9	-20.58	266.6	-1,376.2	665.6	643.3	22.32	29.822		
5,900.0	5,841.1	5,977.2	5,793.7	17.0	27.2	-20.54	268.9	-1,388.3	671.5	648.8	22.66	29.630		
6,000.0	5,941.1	6,107.1	5,923.4	17.1	27.3	-20.51	270.2	-1,394.6	674.6	651.6	23.00	29.332		
6,100.0	6,041.1	6,224.8	6,041.1	17.2	27.4	-89.97	270.4	-1,395.6	675.1	651.7	23.32	28.943		
6,200.0	6,141.1	6,324.8	6,141.1	17.3	27.5	-89.97	270.4	-1,395.6	675.1	651.4	23.64	28.550		
6,300.0	6,241.1	6,424.8	6,241.1	17.4	27.5	-89.97	270.4	-1,395.6	675.1	651.1	23.97	28.167		
6,400.0	6,341.1	6,524.8	6,341.1	17.5	27.6	-89.97	270.4	-1,395.6	675.1	650.8	24.29	27.794		
6,410.9	6,352.0	6,535.7	6,352.0	17.6	27.6	90.04	270.4	-1,395.6	675.1	650.7	24.32	27.759		
6,500.0	6,441.0	6,624.8	6,441.0	17.6	27.7	90.03	267.2	-1,395.6	675.1	650.5	24.54	27.512		
6,600.0	6,539.0	6,724.9	6,539.1	17.6	27.7	90.03	248.1	-1,395.6	675.1	650.5	24.57	27.472		
6,700.0	6,632.3	6,824.9	6,632.4	17.6	27.7	90.03	212.3	-1,395.6	675.1	650.6	24.47	27.587		
6,800.0	6,717.9	6,925.0	6,718.0	17.5	27.6	90.03	160.8	-1,395.6	675.1	650.7	24.33	27.742		
6,900.0	6,793.2	7,025.1	6,793.4	17.5	27.6	90.02	95.2	-1,395.6	675.1	650.8	24.30	27.784		
7,000.0	6,856.1	7,125.1	6,856.3	17.6	27.6	90.02	17.5	-1,395.6	675.1	650.6	24.50	27.554		
7,100.0	6,904.5	7,225.1	6,904.6	17.8	27.7	90.01	-69.9	-1,395.6	675.1	650.0	25.06	26.939		
7,200.0	6,937.0	7,325.1	6,937.1	18.1	27.9	90.01	-164.4	-1,395.6	675.1	649.0	26.04	25.921		
7,300.0	6,952.6	7,425.2	6,952.6	18.6	28.3	90.00	-263.0	-1,395.6	675.1	647.6	27.45	24.593		
7,400.0	6,954.0	7,525.2	6,954.0	19.3	28.7	90.00	-363.0	-1,395.6	675.1	645.8	29.23	23.098		
7,500.0	6,954.0	7,625.2	6,954.0	20.0	29.2	90.00	-463.0	-1,395.6	675.1	643.8	31.29	21.576		
7,600.0	6,954.0	7,725.2	6,954.0	20.9	29.8	90.00	-563.0	-1,395.6	675.1	641.5	33.59	20.097		
7,700.0	6,954.0	7,825.2	6,954.0	22.0	30.5	90.00	-663.0	-1,395.6	675.1	639.0	36.09	18.707		
7,800.0	6,954.0	7,925.2	6,954.0	23.1	31.2	90.00	-763.0	-1,395.6	675.1	636.3	38.74	17.425		
7,900.0	6,954.0	8,025.2	6,954.0	24.2	32.1	90.00	-863.0	-1,395.6	675.1	633.6	41.52	16.258		
8,000.0	6,954.0	8,125.2	6,954.0	25.5	33.0	90.00	-963.0	-1,395.6	675.1	630.7	44.41	15.202		
8,100.0	6,954.0	8,225.2	6,954.0	26.8	34.0	90.00	-1,063.0	-1,395.6	675.1	627.7	47.38	14.249		
8,200.0	6,954.0	8,325.2	6,954.0	28.1	35.0	90.00	-1,163.0	-1,395.6	675.1	624.7	50.41	13.391		
8,300.0	6,954.0	8,425.2	6,954.0	29.5	36.2	90.00	-1,263.0	-1,395.6	675.1	621.6	53.51	12.616		
8,400.0	6,954.0	8,525.2	6,954.0	31.0	37.3	90.00	-1,363.0	-1,395.6	675.1	618.4	56.65	11.916		
8,500.0	6,954.0	8,625.2	6,954.0	32.4	38.5	90.00	-1,463.0	-1,395.6	675.1	615.2	59.84	11.282		
8,600.0	6,954.0	8,725.2	6,954.0	33.9	39.8	90.00	-1,563.0	-1,395.6	675.1	612.0	63.06	10.706		
8,700.0	6,954.0	8,825.2	6,954.0	35.4	41.1	90.00	-1,663.0	-1,395.6	675.1	608.8	66.30	10.182		
8,800.0	6,954.0	8,925.2	6,954.0	37.0	42.4	90.00	-1,763.0	-1,395.6	675.1	605.5	69.58	9.703		
8,900.0	6,954.0	9,025.2	6,954.0	38.5	43.7	90.00	-1,863.0	-1,395.6	675.1	602.2	72.87	9.264		
9,000.0	6,954.0	9,125.2	6,954.0	40.1	45.1	90.00	-1,963.0	-1,395.6	675.1	598.9	76.19	8.861		
9,100.0	6,954.0	9,225.2	6,954.0	41.7	46.5	90.00	-2,063.0	-1,395.6	675.1	595.6	79.52	8.490		
9,200.0	6,954.0	9,325.2	6,954.0	43.3	48.0	90.00	-2,163.0	-1,395.6	675.1	592.2	82.86	8.147		
9,300.0	6,954.0	9,425.2	6,954.0	44.9	49.4	90.00	-2,263.0	-1,395.6	675.1	588.9	86.22	7.830		
9,400.0	6,954.0	9,525.2	6,954.0	46.5	50.9	90.00	-2,363.0	-1,395.6	675.1	585.5	89.59	7.535		
9,500.0	6,954.0	9,625.2	6,954.0	48.1	52.4	90.00	-2,463.0	-1,395.6	675.1	582.1	92.97	7.261		
9,600.0	6,954.0	9,725.2	6,954.0	49.8	53.9	90.00	-2,563.0	-1,395.6	675.1	578.7	96.36	7.006		
9,700.0	6,954.0	9,825.2	6,954.0	51.4	55.4	90.00	-2,663.0	-1,395.6	675.1	575.3	99.76	6.767		
9,800.0	6,954.0	9,925.2	6,954.0	53.1	56.9	90.00	-2,763.0	-1,395.6	675.1	571.9	103.16	6.544		
9,900.0	6,954.0	10,025.2	6,954.0	54.7	58.5	90.00	-2,863.0	-1,395.6	675.1	568.5	106.58	6.334		
10,000.0	6,954.0	10,125.2	6,954.0	56.4	60.1	90.00	-2,963.0	-1,395.6	675.1	565.1	109.99	6.138		
10,100.0	6,954.0	10,225.2	6,954.0	58.1	61.6	90.00	-3,063.0	-1,395.6	675.1	561.7	113.42	5.952		

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

Offset Design S32-T2N-R64W (Newman) - Newman 2B-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		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			
10,200.0	6,954.0	10,325.2	6,954.0	59.7	63.2	90.00	-3,163.0	-1,395.6	675.1	558.3	116.85	5.778		
10,300.0	6,954.0	10,425.2	6,954.0	61.4	64.8	90.00	-3,263.0	-1,395.6	675.1	554.8	120.28	5.613		
10,400.0	6,954.0	10,525.2	6,954.0	63.1	66.4	90.00	-3,363.0	-1,395.6	675.1	551.4	123.71	5.457		
10,500.0	6,954.0	10,625.2	6,954.0	64.8	68.0	90.00	-3,463.0	-1,395.6	675.1	548.0	127.16	5.309		
10,600.0	6,954.0	10,725.2	6,954.0	66.5	69.6	90.00	-3,563.0	-1,395.6	675.1	544.5	130.60	5.169		
10,700.0	6,954.0	10,825.2	6,954.0	68.2	71.2	90.00	-3,663.0	-1,395.6	675.1	541.1	134.05	5.036		
10,800.0	6,954.0	10,925.2	6,954.0	69.9	72.9	90.00	-3,763.0	-1,395.6	675.1	537.6	137.50	4.910		
10,900.0	6,954.0	11,025.2	6,954.0	71.6	74.5	90.00	-3,863.0	-1,395.6	675.1	534.2	140.95	4.790		
11,000.0	6,954.0	11,125.2	6,954.0	73.3	76.1	90.00	-3,963.0	-1,395.6	675.1	530.7	144.41	4.675		
11,100.0	6,954.0	11,225.2	6,954.0	75.0	77.8	90.00	-4,063.0	-1,395.6	675.1	527.3	147.87	4.566		
11,200.0	6,954.0	11,325.2	6,954.0	76.7	79.4	90.00	-4,163.0	-1,395.6	675.1	523.8	151.33	4.461		
11,300.0	6,954.0	11,425.2	6,954.0	78.4	81.1	90.00	-4,263.0	-1,395.6	675.1	520.3	154.79	4.362		
11,400.0	6,954.0	11,525.2	6,954.0	80.1	82.7	90.00	-4,363.0	-1,395.6	675.1	516.9	158.26	4.266		
11,500.0	6,954.0	11,625.2	6,954.0	81.8	84.4	90.00	-4,463.0	-1,395.6	675.1	513.4	161.72	4.175		
11,550.9	6,954.0	11,676.1	6,954.0	82.7	85.2	90.00	-4,513.9	-1,395.6	675.1	511.6	163.49	4.129		
11,586.8	6,954.0	11,708.3	6,954.0	83.3	85.8	90.00	-4,546.1	-1,395.6	675.1	510.5	164.67	4.100 SF		

# Anticollision Report

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

Offset Design S32-T2N-R64W (Newman) - Newman 2C-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.90	0.0	-15.1	15.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.90	0.0	-15.1	15.1	14.9	0.24	61.821		
200.0	200.0	200.0	200.0	0.3	0.3	-89.90	0.0	-15.1	15.1	14.5	0.59	25.456		
300.0	300.0	300.0	300.0	0.5	0.5	-89.90	0.0	-15.1	15.1	14.2	0.94	16.028	CC, ES	
400.0	400.0	399.4	399.4	0.6	0.6	-88.56	0.4	-16.8	16.8	15.5	1.29	12.997		
500.0	500.0	498.7	498.6	0.8	0.8	-16.98	1.6	-21.8	21.1	19.4	1.64	12.864		
600.0	600.0	597.7	597.2	1.0	1.1	-15.51	3.6	-30.1	27.1	25.1	1.99	13.650		
700.0	699.9	696.4	695.1	1.2	1.3	-14.57	6.3	-41.8	34.9	32.6	2.34	14.947		
800.0	799.7	794.6	792.1	1.4	1.6	-13.98	9.8	-56.6	44.4	41.7	2.68	16.545		
900.0	899.4	892.2	888.0	1.6	2.0	-13.63	14.0	-74.5	55.6	52.6	3.03	18.333		
1,000.0	998.9	990.1	983.5	1.8	2.4	-13.43	19.0	-95.4	68.3	64.9	3.38	20.181		
1,100.0	1,098.3	1,089.4	1,080.2	2.1	2.8	-13.52	24.1	-117.4	80.0	76.3	3.74	21.402		
1,200.0	1,197.4	1,188.9	1,177.1	2.3	3.2	-13.84	29.3	-139.4	90.1	86.0	4.10	21.977		
1,300.0	1,296.3	1,288.5	1,274.1	2.6	3.6	-14.35	34.5	-161.5	98.5	94.0	4.46	22.054		
1,400.0	1,395.0	1,388.3	1,371.2	2.9	4.0	-14.98	39.7	-183.6	105.5	100.7	4.84	21.802		
1,500.0	1,493.7	1,488.0	1,468.4	3.2	4.5	-15.56	44.9	-205.6	112.4	107.2	5.22	21.543		
1,600.0	1,592.3	1,587.8	1,565.5	3.5	4.9	-16.07	50.1	-227.7	119.4	113.8	5.60	21.307		
1,700.0	1,691.0	1,687.5	1,662.6	3.9	5.3	-16.52	55.3	-249.8	126.3	120.3	5.99	21.091		
1,800.0	1,789.6	1,787.3	1,759.8	4.2	5.8	-16.93	60.5	-271.9	133.3	126.9	6.38	20.893		
1,900.0	1,888.3	1,887.0	1,856.9	4.5	6.2	-17.29	65.8	-294.0	140.2	133.4	6.77	20.710		
2,000.0	1,987.0	1,986.8	1,954.1	4.8	6.6	-17.62	71.0	-316.0	147.2	140.0	7.17	20.542		
2,100.0	2,085.6	2,086.5	2,051.2	5.2	7.1	-17.93	76.2	-338.1	154.1	146.6	7.56	20.385		
2,200.0	2,184.3	2,186.3	2,148.3	5.5	7.5	-18.20	81.4	-360.2	161.1	153.2	7.96	20.240		
2,300.0	2,283.0	2,286.0	2,245.5	5.8	8.0	-18.45	86.6	-382.3	168.1	159.7	8.36	20.105		
2,400.0	2,381.6	2,385.8	2,342.6	6.1	8.4	-18.69	91.8	-404.4	175.1	166.3	8.76	19.979		
2,500.0	2,480.3	2,485.6	2,439.8	6.5	8.8	-18.90	97.0	-426.4	182.1	172.9	9.17	19.862		
2,600.0	2,579.0	2,585.3	2,536.9	6.8	9.3	-19.10	102.2	-448.5	189.0	179.5	9.57	19.752		
2,700.0	2,677.6	2,685.1	2,634.0	7.1	9.7	-19.28	107.4	-470.6	196.0	186.0	9.98	19.649		
2,800.0	2,776.3	2,784.8	2,731.2	7.5	10.2	-19.46	112.6	-492.7	203.0	192.6	10.38	19.552		
2,900.0	2,875.0	2,884.6	2,828.3	7.8	10.6	-19.62	117.8	-514.7	210.0	199.2	10.79	19.460		
3,000.0	2,973.6	2,984.3	2,925.5	8.1	11.0	-19.77	123.0	-536.8	217.0	205.8	11.20	19.374		
3,100.0	3,072.3	3,084.1	3,022.6	8.5	11.5	-19.91	128.2	-558.9	224.0	212.4	11.61	19.293		
3,200.0	3,170.9	3,183.8	3,119.8	8.8	11.9	-20.04	133.4	-581.0	231.0	218.9	12.02	19.217		
3,300.0	3,269.6	3,283.6	3,216.9	9.1	12.4	-20.16	138.6	-603.1	238.0	225.5	12.43	19.144		
3,400.0	3,368.3	3,383.3	3,314.0	9.5	12.8	-20.28	143.8	-625.1	245.0	232.1	12.84	19.075		
3,500.0	3,466.9	3,483.1	3,411.2	9.8	13.2	-20.39	149.0	-647.2	252.0	238.7	13.25	19.010		
3,600.0	3,565.6	3,582.8	3,508.3	10.1	13.7	-20.50	154.2	-669.3	258.9	245.3	13.67	18.948		
3,700.0	3,664.3	3,682.6	3,605.5	10.5	14.1	-20.60	159.4	-691.4	265.9	251.9	14.08	18.889		
3,800.0	3,762.9	3,782.4	3,702.6	10.8	14.6	-20.69	164.6	-713.5	272.9	258.4	14.49	18.833		
3,900.0	3,861.6	3,882.1	3,799.7	11.1	15.0	-20.78	169.8	-735.5	279.9	265.0	14.91	18.779		
4,000.0	3,960.3	3,981.9	3,896.9	11.5	15.4	-20.86	175.0	-757.6	286.9	271.6	15.32	18.728		
4,100.0	4,058.9	4,081.6	3,994.0	11.8	15.9	-20.95	180.2	-779.7	293.9	278.2	15.74	18.679		
4,200.0	4,157.6	4,181.4	4,091.2	12.1	16.3	-21.02	185.4	-801.8	300.9	284.8	16.15	18.632		
4,300.0	4,256.3	4,281.1	4,188.3	12.5	16.8	-21.10	190.6	-823.8	307.9	291.4	16.57	18.588		
4,400.0	4,354.9	4,380.9	4,285.4	12.8	17.2	-21.17	195.9	-845.9	314.9	298.0	16.98	18.545		
4,500.0	4,453.6	4,480.6	4,382.6	13.1	17.6	-21.23	201.1	-868.0	321.9	304.5	17.40	18.504		
4,600.0	4,552.2	4,580.4	4,479.7	13.5	18.1	-21.30	206.3	-890.1	328.9	311.1	17.82	18.464		
4,700.0	4,650.9	4,680.1	4,576.9	13.8	18.5	-21.36	211.5	-912.2	336.0	317.7	18.23	18.426		
4,800.0	4,749.6	4,779.9	4,674.0	14.1	19.0	-21.42	216.7	-934.2	343.0	324.3	18.65	18.390		
4,900.0	4,848.2	4,879.6	4,771.1	14.5	19.4	-21.48	221.9	-956.3	350.0	330.9	19.07	18.355		
5,000.0	4,946.9	4,979.4	4,868.3	14.8	19.8	-21.53	227.1	-978.4	357.0	337.5	19.48	18.322		
5,100.0	5,045.6	5,079.2	4,965.4	15.2	20.3	-21.58	232.3	-1,000.5	364.0	344.1	19.90	18.289		

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

Offset Design S32-T2N-R64W (Newman) - Newman 2C-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				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	5,144.3	5,178.9	5,062.5	15.5	20.7	-21.63	237.5	-1,022.5	371.5	351.2	20.31	18.291		
5,300.0	5,243.3	5,278.5	5,159.5	15.8	21.2	-21.58	242.7	-1,044.6	380.6	359.9	20.69	18.396		
5,400.0	5,342.6	5,377.9	5,256.3	16.0	21.6	-21.46	247.9	-1,066.6	391.3	370.2	21.03	18.601		
5,500.0	5,442.0	5,477.8	5,353.6	16.3	22.0	-21.25	253.1	-1,088.7	403.6	382.2	21.35	18.898		
5,600.0	5,541.6	5,593.1	5,466.4	16.5	22.5	-21.01	258.5	-1,111.8	415.4	393.7	21.68	19.162		
5,700.0	5,641.3	5,709.2	5,580.9	16.7	22.8	-20.82	263.0	-1,130.6	425.0	403.0	22.00	19.317		
5,800.0	5,741.2	5,825.9	5,696.7	16.8	23.1	-20.68	266.3	-1,144.9	432.2	409.9	22.32	19.366		
5,900.0	5,841.1	5,943.1	5,813.4	17.0	23.3	-20.59	268.6	-1,154.7	437.1	414.5	22.63	19.313		
6,000.0	5,941.1	6,060.5	5,930.8	17.1	23.5	-20.55	269.8	-1,159.8	439.7	416.8	22.95	19.162		
6,100.0	6,041.1	6,170.9	6,041.1	17.2	23.6	-90.00	270.0	-1,160.6	440.1	416.8	23.26	18.920		
6,200.0	6,141.1	6,270.9	6,141.1	17.3	23.7	-90.00	270.0	-1,160.6	440.1	416.5	23.58	18.663		
6,300.0	6,241.1	6,370.9	6,241.1	17.4	23.7	-90.00	270.0	-1,160.6	440.1	416.2	23.90	18.412		
6,400.0	6,341.1	6,470.9	6,341.1	17.5	23.8	-90.00	270.0	-1,160.6	440.1	415.9	24.22	18.167		
6,446.6	6,387.7	6,517.5	6,387.7	17.6	23.9	90.15	270.0	-1,160.6	440.1	415.8	24.32	18.093		
6,500.0	6,441.0	6,570.8	6,441.0	17.6	23.9	90.41	270.0	-1,160.6	440.1	415.7	24.42	18.023		
6,600.0	6,539.0	6,668.8	6,539.0	17.6	24.0	92.78	270.0	-1,160.6	440.7	416.5	24.12	18.269		
6,700.0	6,632.3	6,765.4	6,635.6	17.6	24.1	96.83	269.0	-1,160.6	443.8	420.2	23.64	18.775		
6,800.0	6,717.9	6,872.2	6,741.0	17.5	24.1	101.35	252.9	-1,160.6	450.3	426.9	23.36	19.279		
6,900.0	6,793.2	6,988.5	6,850.2	17.5	24.1	105.65	213.5	-1,160.6	459.3	436.0	23.37	19.658		
7,000.0	6,856.1	7,116.0	6,958.1	17.6	24.0	109.57	146.0	-1,160.6	469.7	446.1	23.58	19.919		
7,100.0	6,904.5	7,255.8	7,056.0	17.8	24.0	112.89	46.7	-1,160.6	479.8	455.9	23.94	20.047		
7,200.0	6,937.0	7,407.2	7,131.5	18.1	24.2	115.32	-84.0	-1,160.6	487.9	463.4	24.42	19.978		
7,300.0	6,952.6	7,566.9	7,171.3	18.6	24.7	116.55	-238.2	-1,160.6	492.1	466.9	25.17	19.548		
7,400.0	6,954.0	7,691.9	7,175.0	19.3	25.3	116.66	-363.0	-1,160.6	492.5	465.9	26.58	18.528		
7,500.0	6,954.0	7,791.9	7,175.0	20.0	25.9	116.66	-463.0	-1,160.6	492.5	464.0	28.46	17.304		
7,600.0	6,954.0	7,891.9	7,175.0	20.9	26.5	116.66	-563.0	-1,160.6	492.5	461.9	30.55	16.122		
7,700.0	6,954.0	7,991.9	7,175.0	22.0	27.3	116.66	-663.0	-1,160.6	492.5	459.7	32.80	15.014		
7,800.0	6,954.0	8,091.9	7,175.0	23.1	28.2	116.66	-763.0	-1,160.6	492.5	457.3	35.19	13.994		
7,900.0	6,954.0	8,191.9	7,175.0	24.2	29.2	116.66	-863.0	-1,160.6	492.5	454.8	37.69	13.066		
8,000.0	6,954.0	8,291.9	7,175.0	25.5	30.2	116.66	-963.0	-1,160.6	492.5	452.2	40.28	12.226		
8,100.0	6,954.0	8,391.9	7,175.0	26.8	31.3	116.66	-1,063.0	-1,160.6	492.5	449.5	42.95	11.468		
8,200.0	6,954.0	8,491.9	7,175.0	28.1	32.4	116.66	-1,163.0	-1,160.6	492.5	446.8	45.67	10.783		
8,300.0	6,954.0	8,591.9	7,175.0	29.5	33.7	116.66	-1,263.0	-1,160.6	492.5	444.0	48.44	10.166		
8,400.0	6,954.0	8,691.9	7,175.0	31.0	34.9	116.66	-1,363.0	-1,160.6	492.5	441.2	51.26	9.607		
8,500.0	6,954.0	8,791.9	7,175.0	32.4	36.2	116.66	-1,463.0	-1,160.6	492.5	438.4	54.11	9.101		
8,600.0	6,954.0	8,891.9	7,175.0	33.9	37.5	116.66	-1,563.0	-1,160.6	492.5	435.5	57.00	8.641		
8,700.0	6,954.0	8,991.9	7,175.0	35.4	38.9	116.66	-1,663.0	-1,160.6	492.5	432.6	59.90	8.221		
8,800.0	6,954.0	9,091.9	7,175.0	37.0	40.3	116.66	-1,763.0	-1,160.6	492.5	429.6	62.84	7.838		
8,900.0	6,954.0	9,191.9	7,175.0	38.5	41.7	116.66	-1,863.0	-1,160.6	492.5	426.7	65.79	7.486		
9,000.0	6,954.0	9,291.9	7,175.0	40.1	43.2	116.66	-1,963.0	-1,160.6	492.5	423.7	68.75	7.163		
9,100.0	6,954.0	9,391.9	7,175.0	41.7	44.7	116.66	-2,063.0	-1,160.6	492.5	420.7	71.73	6.865		
9,200.0	6,954.0	9,491.9	7,175.0	43.3	46.2	116.66	-2,163.0	-1,160.6	492.5	417.7	74.73	6.590		
9,300.0	6,954.0	9,591.9	7,175.0	44.9	47.7	116.66	-2,263.0	-1,160.6	492.5	414.7	77.73	6.335		
9,400.0	6,954.0	9,691.9	7,175.0	46.5	49.2	116.66	-2,363.0	-1,160.6	492.5	411.7	80.75	6.099		
9,500.0	6,954.0	9,791.9	7,175.0	48.1	50.8	116.66	-2,463.0	-1,160.6	492.5	408.7	83.78	5.879		
9,600.0	6,954.0	9,891.9	7,175.0	49.8	52.3	116.66	-2,563.0	-1,160.6	492.5	405.7	86.81	5.673		
9,700.0	6,954.0	9,991.9	7,175.0	51.4	53.9	116.66	-2,663.0	-1,160.6	492.5	402.6	89.85	5.481		
9,800.0	6,954.0	10,091.9	7,175.0	53.1	55.5	116.66	-2,763.0	-1,160.6	492.5	399.6	92.90	5.301		
9,900.0	6,954.0	10,191.9	7,175.0	54.7	57.1	116.66	-2,863.0	-1,160.6	492.5	396.5	95.95	5.133		
10,000.0	6,954.0	10,291.9	7,175.0	56.4	58.7	116.66	-2,963.0	-1,160.6	492.5	393.5	99.01	4.974		
10,100.0	6,954.0	10,391.9	7,175.0	58.1	60.3	116.66	-3,063.0	-1,160.6	492.5	390.4	102.07	4.825		
10,200.0	6,954.0	10,491.9	7,175.0	59.7	61.9	116.66	-3,163.0	-1,160.6	492.5	387.3	105.14	4.684		

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

Offset Design S32-T2N-R64W (Newman) - Newman 2C-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,300.0	6,954.0	10,591.9	7,175.0	61.4	63.5	116.66	-3,263.0	-1,160.6	492.5	384.3	108.21	4.551		
10,400.0	6,954.0	10,691.9	7,175.0	63.1	65.1	116.66	-3,363.0	-1,160.6	492.5	381.2	111.29	4.425		
10,500.0	6,954.0	10,791.9	7,175.0	64.8	66.8	116.66	-3,463.0	-1,160.6	492.5	378.1	114.37	4.306		
10,600.0	6,954.0	10,891.9	7,175.0	66.5	68.4	116.66	-3,563.0	-1,160.6	492.5	375.0	117.45	4.193		
10,700.0	6,954.0	10,991.9	7,175.0	68.2	70.1	116.66	-3,663.0	-1,160.6	492.5	371.9	120.54	4.086		
10,800.0	6,954.0	11,091.9	7,175.0	69.9	71.7	116.66	-3,763.0	-1,160.6	492.5	368.9	123.63	3.984		
10,900.0	6,954.0	11,191.9	7,175.0	71.6	73.4	116.66	-3,863.0	-1,160.6	492.5	365.8	126.72	3.886		
11,000.0	6,954.0	11,291.9	7,175.0	73.3	75.0	116.66	-3,963.0	-1,160.6	492.5	362.7	129.81	3.794		
11,100.0	6,954.0	11,391.9	7,175.0	75.0	76.7	116.66	-4,063.0	-1,160.6	492.5	359.6	132.91	3.705		
11,200.0	6,954.0	11,491.9	7,175.0	76.7	78.4	116.66	-4,163.0	-1,160.6	492.5	356.5	136.00	3.621		
11,300.0	6,954.0	11,591.9	7,175.0	78.4	80.0	116.66	-4,263.0	-1,160.6	492.5	353.4	139.10	3.540		
11,400.0	6,954.0	11,691.9	7,175.0	80.1	81.7	116.66	-4,363.0	-1,160.6	492.5	350.3	142.20	3.463		
11,500.0	6,954.0	11,791.9	7,175.0	81.8	83.4	116.66	-4,463.0	-1,160.6	492.5	347.2	145.31	3.389		
11,551.5	6,954.0	11,843.5	7,175.0	82.7	84.3	116.66	-4,514.6	-1,160.6	492.5	345.6	146.91	3.352		
11,586.8	6,954.0	11,876.5	7,175.0	83.3	84.8	116.66	-4,547.6	-1,160.6	492.5	344.5	147.97	3.328 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.90	0.0	-7.6	7.6					
100.0	100.0	100.0	100.0	0.1	0.1	-89.90	0.0	-7.6	7.6	7.3	0.24	30.911		
200.0	200.0	200.0	200.0	0.3	0.3	-89.90	0.0	-7.6	7.6	7.0	0.59	12.728		
300.0	300.0	300.0	300.0	0.5	0.5	-89.90	0.0	-7.6	7.6	6.6	0.94	8.014		
333.5	333.5	333.5	333.5	0.5	0.5	-89.90	0.0	-7.6	7.6	6.5	1.06	7.130 CC, ES		
400.0	400.0	399.9	399.9	0.6	0.6	-89.05	0.1	-8.0	8.0	6.7	1.29	6.173		
500.0	500.0	499.5	499.5	0.8	0.8	-16.25	1.1	-11.3	10.5	8.9	1.64	6.419		
600.0	600.0	599.0	598.7	1.0	1.0	-13.60	3.0	-17.9	14.8	12.9	1.99	7.462		
700.0	699.9	698.2	697.4	1.2	1.3	-11.88	5.9	-27.9	20.9	18.6	2.34	8.941		
800.0	799.7	797.1	795.2	1.4	1.5	-10.81	9.6	-41.0	28.7	26.0	2.69	10.680		
900.0	899.4	895.5	892.2	1.6	1.8	-10.14	14.3	-57.3	38.2	35.1	3.03	12.583		
1,000.0	998.9	995.1	990.0	1.8	2.2	-9.91	19.5	-75.3	47.5	44.1	3.38	14.034		
1,100.0	1,098.3	1,094.8	1,088.0	2.1	2.5	-10.07	24.7	-93.3	55.1	51.4	3.74	14.748		
1,200.0	1,197.4	1,194.6	1,186.0	2.3	2.9	-10.47	29.9	-111.3	61.0	56.9	4.09	14.911		
1,300.0	1,296.3	1,294.5	1,284.1	2.6	3.3	-11.09	35.1	-129.3	65.2	60.8	4.45	14.650		
1,400.0	1,395.0	1,394.5	1,382.3	2.9	3.6	-11.89	40.2	-147.3	68.0	63.2	4.82	14.121		
1,500.0	1,493.7	1,494.4	1,480.5	3.2	4.0	-12.64	45.4	-165.3	70.7	65.6	5.19	13.630		
1,600.0	1,592.3	1,594.4	1,578.7	3.5	4.4	-13.33	50.6	-183.4	73.5	67.9	5.57	13.198		
1,700.0	1,691.0	1,694.4	1,676.9	3.9	4.7	-13.98	55.8	-201.4	76.2	70.3	5.95	12.814		
1,800.0	1,789.6	1,794.3	1,775.1	4.2	5.1	-14.58	61.0	-219.4	79.0	72.6	6.33	12.470		
1,900.0	1,888.3	1,894.3	1,873.2	4.5	5.5	-15.14	66.2	-237.5	81.7	75.0	6.72	12.159		
2,000.0	1,987.0	1,994.2	1,971.4	4.8	5.8	-15.67	71.4	-255.5	84.5	77.4	7.11	11.878		
2,100.0	2,085.6	2,094.2	2,069.6	5.2	6.2	-16.16	76.6	-273.5	87.3	79.7	7.51	11.622		
2,200.0	2,184.3	2,194.2	2,167.8	5.5	6.6	-16.62	81.8	-291.5	90.0	82.1	7.91	11.388		
2,300.0	2,283.0	2,294.1	2,266.0	5.8	7.0	-17.05	87.0	-309.6	92.8	84.5	8.31	11.172		
2,400.0	2,381.6	2,394.1	2,364.2	6.1	7.3	-17.46	92.1	-327.6	95.6	86.9	8.71	10.974		
2,500.0	2,480.3	2,494.0	2,462.3	6.5	7.7	-17.84	97.3	-345.6	98.4	89.3	9.12	10.791		
2,600.0	2,579.0	2,594.0	2,560.5	6.8	8.1	-18.21	102.5	-363.7	101.2	91.7	9.53	10.621		
2,700.0	2,677.6	2,694.0	2,658.7	7.1	8.4	-18.55	107.7	-381.7	104.0	94.0	9.94	10.463		
2,800.0	2,776.3	2,793.9	2,756.9	7.5	8.8	-18.88	112.9	-399.7	106.8	96.4	10.35	10.315		
2,900.0	2,875.0	2,893.9	2,855.1	7.8	9.2	-19.19	118.1	-417.8	109.6	98.8	10.77	10.178		
3,000.0	2,973.6	2,993.8	2,953.2	8.1	9.6	-19.48	123.3	-435.8	112.4	101.2	11.19	10.049		
3,100.0	3,072.3	3,093.8	3,051.4	8.5	9.9	-19.76	128.5	-453.8	115.2	103.6	11.61	9.928		
3,200.0	3,170.9	3,193.7	3,149.6	8.8	10.3	-20.03	133.7	-471.8	118.0	106.0	12.03	9.814		
3,300.0	3,269.6	3,293.7	3,247.8	9.1	10.7	-20.28	138.9	-489.9	120.8	108.4	12.45	9.707		
3,400.0	3,368.3	3,393.7	3,346.0	9.5	11.1	-20.52	144.1	-507.9	123.7	110.8	12.87	9.606		
3,500.0	3,466.9	3,493.6	3,444.2	9.8	11.4	-20.75	149.2	-525.9	126.5	113.2	13.30	9.511		
3,600.0	3,565.6	3,593.6	3,542.3	10.1	11.8	-20.98	154.4	-544.0	129.3	115.6	13.73	9.421		
3,700.0	3,664.3	3,693.5	3,640.5	10.5	12.2	-21.19	159.6	-562.0	132.1	118.0	14.15	9.335		
3,800.0	3,762.9	3,793.5	3,738.7	10.8	12.6	-21.39	164.8	-580.0	135.0	120.4	14.58	9.254		
3,900.0	3,861.6	3,893.5	3,836.9	11.1	12.9	-21.58	170.0	-598.0	137.8	122.8	15.01	9.177		
4,000.0	3,960.3	3,993.4	3,935.1	11.5	13.3	-21.77	175.2	-616.1	140.6	125.2	15.45	9.104		
4,100.0	4,058.9	4,093.4	4,033.3	11.8	13.7	-21.95	180.4	-634.1	143.5	127.6	15.88	9.034		
4,200.0	4,157.6	4,193.3	4,131.4	12.1	14.1	-22.12	185.6	-652.1	146.3	130.0	16.31	8.968		
4,300.0	4,256.3	4,293.3	4,229.6	12.5	14.4	-22.29	190.8	-670.2	149.1	132.4	16.75	8.904		
4,400.0	4,354.9	4,393.3	4,327.8	12.8	14.8	-22.45	196.0	-688.2	152.0	134.8	17.18	8.844		
4,500.0	4,453.6	4,493.2	4,426.0	13.1	15.2	-22.60	201.1	-706.2	154.8	137.2	17.62	8.786		
4,600.0	4,552.2	4,593.2	4,524.2	13.5	15.6	-22.75	206.3	-724.3	157.6	139.6	18.05	8.731		
4,700.0	4,650.9	4,693.1	4,622.3	13.8	15.9	-22.89	211.5	-742.3	160.5	142.0	18.49	8.677		
4,800.0	4,749.6	4,793.1	4,720.5	14.1	16.3	-23.03	216.7	-760.3	163.3	144.4	18.93	8.627		
4,900.0	4,848.2	4,893.0	4,818.7	14.5	16.7	-23.17	221.9	-778.3	166.1	146.8	19.37	8.578		
5,000.0	4,946.9	4,993.0	4,916.9	14.8	17.1	-23.29	227.1	-796.4	169.0	149.2	19.81	8.531		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,045.6	5,093.0	5,015.1	15.2	17.4	-23.42	232.3	-814.4	171.8	151.6	20.25	8.486		
5,200.0	5,144.3	5,192.9	5,113.2	15.5	17.8	-23.48	237.5	-832.4	175.2	154.5	20.67	8.474		
5,300.0	5,243.3	5,292.8	5,211.3	15.8	18.2	-23.33	242.7	-850.4	180.1	159.0	21.04	8.559		
5,400.0	5,342.6	5,392.6	5,309.4	16.0	18.6	-22.99	247.8	-868.4	186.6	165.2	21.35	8.738		
5,500.0	5,442.0	5,492.2	5,407.2	16.3	18.9	-22.47	253.0	-886.4	194.7	173.1	21.61	9.008		
5,600.0	5,541.6	5,594.9	5,508.1	16.5	19.3	-21.83	258.2	-904.6	204.1	182.3	21.84	9.345		
5,700.0	5,641.3	5,702.0	5,614.0	16.7	19.6	-21.30	262.8	-920.3	212.2	190.1	22.08	9.608		
5,800.0	5,741.2	5,809.5	5,720.8	16.8	19.9	-20.93	266.2	-932.3	218.3	195.9	22.34	9.770		
5,900.0	5,841.1	5,917.4	5,828.3	17.0	20.1	-20.68	268.6	-940.5	222.4	199.8	22.62	9.835		
6,000.0	5,941.1	6,025.5	5,936.3	17.1	20.2	-20.56	269.8	-944.8	224.6	201.7	22.90	9.807		
6,100.0	6,041.1	6,130.3	6,041.1	17.2	20.3	-90.00	270.0	-945.5	225.0	201.7	23.21	9.693		
6,200.0	6,141.1	6,230.3	6,141.1	17.3	20.4	-90.00	270.0	-945.5	225.0	201.4	23.53	9.561		
6,300.0	6,241.1	6,330.3	6,241.1	17.4	20.5	-90.00	270.0	-945.5	225.0	201.1	23.85	9.433		
6,400.0	6,341.1	6,430.3	6,341.1	17.5	20.6	-90.00	270.0	-945.5	225.0	200.8	24.17	9.307		
6,446.7	6,387.8	6,477.0	6,387.8	17.6	20.6	90.29	270.0	-945.5	225.0	200.7	24.24	9.278		
6,500.0	6,441.0	6,530.2	6,441.0	17.6	20.7	90.80	270.0	-945.5	225.0	200.7	24.30	9.259		
6,600.0	6,539.0	6,630.6	6,541.2	17.6	20.7	94.56	265.8	-945.5	225.7	201.9	23.81	9.480		
6,700.0	6,632.3	6,734.1	6,642.3	17.6	20.8	98.42	244.1	-945.5	227.5	204.0	23.42	9.712		
6,800.0	6,717.9	6,840.6	6,740.5	17.5	20.7	102.01	203.2	-945.5	230.1	206.8	23.29	9.879		
6,900.0	6,793.2	6,950.3	6,831.9	17.5	20.7	105.19	142.9	-945.5	233.2	209.8	23.42	9.958		
7,000.0	6,856.1	7,062.9	6,912.0	17.6	20.7	107.86	64.1	-945.5	236.5	212.7	23.77	9.948		
7,100.0	6,904.5	7,178.1	6,976.5	17.8	20.8	109.92	-31.2	-945.4	239.3	215.1	24.25	9.870		
7,200.0	6,937.0	7,295.3	7,021.1	18.1	21.1	111.30	-139.3	-945.4	241.5	216.6	24.91	9.696		
7,300.0	6,952.6	7,413.8	7,043.0	18.6	21.5	111.97	-255.5	-945.4	242.6	216.8	25.74	9.423		
7,400.0	6,954.0	7,521.3	7,045.0	19.3	22.1	112.02	-363.0	-945.4	242.7	215.5	27.19	8.925		
7,500.0	6,954.0	7,621.3	7,045.0	20.0	22.8	112.02	-463.0	-945.4	242.7	213.5	29.13	8.329		
7,600.0	6,954.0	7,721.3	7,045.0	20.9	23.6	112.02	-563.0	-945.4	242.7	211.4	31.30	7.753		
7,700.0	6,954.0	7,821.3	7,045.0	22.0	24.5	112.02	-663.0	-945.4	242.7	209.0	33.64	7.214		
7,800.0	6,954.0	7,921.3	7,045.0	23.1	25.5	112.02	-763.0	-945.4	242.7	206.5	36.12	6.718		
7,900.0	6,954.0	8,021.3	7,045.0	24.2	26.5	112.02	-863.0	-945.4	242.7	203.9	38.72	6.267		
8,000.0	6,954.0	8,121.3	7,045.0	25.5	27.7	112.02	-963.0	-945.4	242.7	201.2	41.41	5.860		
8,100.0	6,954.0	8,221.3	7,045.0	26.8	28.9	112.02	-1,063.0	-945.4	242.7	198.5	44.18	5.493		
8,200.0	6,954.0	8,321.3	7,045.0	28.1	30.1	112.02	-1,163.0	-945.4	242.7	195.7	47.01	5.162		
8,300.0	6,954.0	8,421.3	7,045.0	29.5	31.4	112.02	-1,263.0	-945.4	242.7	192.8	49.89	4.864		
8,400.0	6,954.0	8,521.3	7,045.0	31.0	32.8	112.02	-1,363.0	-945.4	242.7	189.8	52.81	4.595		
8,500.0	6,954.0	8,621.3	7,045.0	32.4	34.2	112.02	-1,463.0	-945.4	242.7	186.9	55.78	4.351		
8,600.0	6,954.0	8,721.3	7,045.0	33.9	35.6	112.02	-1,563.0	-945.4	242.7	183.9	58.77	4.129		
8,700.0	6,954.0	8,821.3	7,045.0	35.4	37.0	112.02	-1,663.0	-945.4	242.7	180.9	61.79	3.927		
8,800.0	6,954.0	8,921.3	7,045.0	37.0	38.5	112.02	-1,763.0	-945.4	242.7	177.8	64.83	3.743		
8,900.0	6,954.0	9,021.3	7,045.0	38.5	40.0	112.02	-1,863.0	-945.4	242.7	174.8	67.89	3.574		
9,000.0	6,954.0	9,121.3	7,045.0	40.1	41.5	112.02	-1,963.0	-945.4	242.7	171.7	70.97	3.419		
9,100.0	6,954.0	9,221.3	7,045.0	41.7	43.0	112.02	-2,063.0	-945.4	242.7	168.6	74.07	3.276		
9,200.0	6,954.0	9,321.3	7,045.0	43.3	44.6	112.02	-2,163.0	-945.4	242.7	165.5	77.17	3.144		
9,300.0	6,954.0	9,421.3	7,045.0	44.9	46.2	112.02	-2,263.0	-945.4	242.7	162.4	80.29	3.022		
9,400.0	6,954.0	9,521.3	7,045.0	46.5	47.7	112.02	-2,363.0	-945.4	242.7	159.2	83.42	2.909		
9,500.0	6,954.0	9,621.3	7,045.0	48.1	49.3	112.02	-2,463.0	-945.4	242.7	156.1	86.56	2.803		
9,600.0	6,954.0	9,721.3	7,045.0	49.8	50.9	112.02	-2,563.0	-945.4	242.7	153.0	89.71	2.705		
9,700.0	6,954.0	9,821.3	7,045.0	51.4	52.5	112.02	-2,663.0	-945.4	242.7	149.8	92.86	2.613		
9,800.0	6,954.0	9,921.3	7,045.0	53.1	54.2	112.02	-2,763.0	-945.4	242.7	146.6	96.03	2.527		
9,900.0	6,954.0	10,021.3	7,045.0	54.7	55.8	112.02	-2,863.0	-945.4	242.7	143.5	99.19	2.446		
10,000.0	6,954.0	10,121.3	7,045.0	56.4	57.4	112.02	-2,963.0	-945.4	242.7	140.3	102.37	2.371		
10,100.0	6,954.0	10,221.3	7,045.0	58.1	59.1	112.02	-3,063.0	-945.4	242.7	137.1	105.54	2.299		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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
10,200.0	6,954.0	10,321.3	7,045.0	59.7	60.7	112.02	-3,163.0	-945.4	242.7	133.9	108.73	2.232	
10,300.0	6,954.0	10,421.3	7,045.0	61.4	62.4	112.02	-3,263.0	-945.4	242.7	130.7	111.91	2.168	
10,400.0	6,954.0	10,521.3	7,045.0	63.1	64.0	112.02	-3,363.0	-945.4	242.7	127.6	115.10	2.108	
10,500.0	6,954.0	10,621.3	7,045.0	64.8	65.7	112.02	-3,463.0	-945.4	242.7	124.4	118.30	2.051	
10,600.0	6,954.0	10,721.3	7,045.0	66.5	67.4	112.02	-3,563.0	-945.4	242.7	121.2	121.50	1.997	
10,700.0	6,954.0	10,821.3	7,045.0	68.2	69.0	112.02	-3,663.0	-945.4	242.7	118.0	124.70	1.946	
10,800.0	6,954.0	10,921.3	7,045.0	69.9	70.7	112.02	-3,763.0	-945.4	242.7	114.8	127.90	1.897	
10,900.0	6,954.0	11,021.3	7,045.0	71.6	72.4	112.02	-3,863.0	-945.4	242.7	111.6	131.11	1.851	
11,000.0	6,954.0	11,121.3	7,045.0	73.3	74.1	112.02	-3,963.0	-945.4	242.7	108.3	134.31	1.807	
11,100.0	6,954.0	11,221.3	7,045.0	75.0	75.8	112.02	-4,063.0	-945.4	242.7	105.1	137.52	1.764	
11,200.0	6,954.0	11,321.3	7,045.0	76.7	77.4	112.03	-4,163.0	-945.4	242.7	101.9	140.74	1.724	
11,300.0	6,954.0	11,421.3	7,045.0	78.4	79.1	112.03	-4,263.0	-945.4	242.7	98.7	143.95	1.686	
11,400.0	6,954.0	11,521.3	7,045.0	80.1	80.8	112.03	-4,363.0	-945.4	242.7	95.5	147.17	1.649	
11,500.0	6,954.0	11,621.3	7,045.0	81.8	82.5	112.03	-4,463.0	-945.4	242.7	92.3	150.38	1.614	
11,562.5	6,954.0	11,683.8	7,045.0	82.9	83.6	112.03	-4,525.5	-945.4	242.7	90.3	152.40	1.592	
11,586.8	6,954.0	11,707.0	7,045.0	83.3	84.0	112.03	-4,548.7	-945.4	242.7	89.5	153.16	1.584 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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: 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	1.0	1.0	0.0	0.0	90.10	0.0	7.3	7.3						
100.0	100.0	101.0	101.0	0.1	0.1	90.10	0.0	7.3	7.3	7.0	0.25	29.555			
200.0	200.0	201.0	201.0	0.3	0.3	90.10	0.0	7.3	7.3	6.7	0.60	12.221			
300.0	300.0	301.0	301.0	0.5	0.5	90.10	0.0	7.3	7.3	6.3	0.94	7.703			
400.0	400.0	401.0	401.0	0.6	0.6	90.10	0.0	7.3	7.3	6.0	1.29	5.624 CC, ES			
500.0	500.0	501.1	501.1	0.8	0.8	160.99	0.1	7.1	7.9	6.3	1.64	4.806			
600.0	600.0	601.2	601.2	1.0	1.0	161.38	0.9	5.5	8.8	6.8	1.99	4.414			
700.0	699.9	701.3	701.2	1.2	1.2	160.41	2.6	2.4	9.8	7.4	2.34	4.174			
800.0	799.7	801.5	801.3	1.4	1.4	158.49	5.1	-2.2	10.9	8.2	2.70	4.028			
900.0	899.4	901.6	901.2	1.6	1.6	155.92	8.4	-8.4	12.1	9.0	3.06	3.943			
1,000.0	998.9	1,001.8	1,001.0	1.8	1.8	152.95	12.5	-16.1	13.4	10.0	3.44	3.899			
1,100.0	1,098.3	1,102.0	1,100.6	2.1	2.0	149.76	17.5	-25.4	14.9	11.1	3.84	3.883			
1,200.0	1,197.4	1,202.0	1,199.9	2.3	2.3	147.91	23.0	-35.6	17.0	12.8	4.25	4.012			
1,300.0	1,296.3	1,301.9	1,299.2	2.6	2.5	149.10	28.5	-45.8	20.7	16.0	4.65	4.449			
1,400.0	1,395.0	1,401.8	1,398.4	2.9	2.8	151.53	34.0	-56.0	25.5	20.5	5.03	5.076			
1,500.0	1,493.7	1,501.7	1,497.6	3.2	3.0	153.28	39.5	-66.2	30.5	25.1	5.41	5.640			
1,600.0	1,592.3	1,601.6	1,596.8	3.5	3.3	154.54	44.9	-76.5	35.6	29.8	5.80	6.131			
1,700.0	1,691.0	1,701.4	1,696.0	3.9	3.5	155.49	50.4	-86.7	40.6	34.4	6.18	6.562			
1,800.0	1,789.6	1,801.3	1,795.2	4.2	3.8	156.23	55.9	-96.9	45.6	39.1	6.57	6.943			
1,900.0	1,888.3	1,901.2	1,894.4	4.5	4.0	156.82	61.4	-107.1	50.7	43.7	6.96	7.282			
2,000.0	1,987.0	2,001.0	1,993.6	4.8	4.3	157.31	66.9	-117.3	55.7	48.4	7.35	7.585			
2,100.0	2,085.6	2,100.9	2,092.8	5.2	4.6	157.71	72.4	-127.5	60.8	53.0	7.73	7.858			
2,200.0	2,184.3	2,200.8	2,192.0	5.5	4.8	158.05	77.9	-137.7	65.8	57.7	8.12	8.105			
2,300.0	2,283.0	2,300.7	2,291.1	5.8	5.1	158.35	83.3	-148.0	70.9	62.4	8.51	8.329			
2,400.0	2,381.6	2,400.5	2,390.3	6.1	5.3	158.60	88.8	-158.2	76.0	67.1	8.90	8.534			
2,500.0	2,480.3	2,500.4	2,489.5	6.5	5.6	158.82	94.3	-168.4	81.0	71.7	9.29	8.721			
2,600.0	2,579.0	2,600.3	2,588.7	6.8	5.9	159.02	99.8	-178.6	86.1	76.4	9.68	8.894			
2,700.0	2,677.6	2,700.1	2,687.9	7.1	6.1	159.19	105.3	-188.8	91.1	81.1	10.07	9.053			
2,800.0	2,776.3	2,800.0	2,787.1	7.5	6.4	159.35	110.8	-199.0	96.2	85.8	10.46	9.200			
2,900.0	2,875.0	2,899.9	2,886.3	7.8	6.7	159.49	116.3	-209.3	101.3	90.4	10.85	9.336			
3,000.0	2,973.6	2,999.8	2,985.5	8.1	6.9	159.62	121.7	-219.5	106.3	95.1	11.24	9.463			
3,100.0	3,072.3	3,099.6	3,084.7	8.5	7.2	159.73	127.2	-229.7	111.4	99.8	11.63	9.582			
3,200.0	3,170.9	3,199.5	3,183.9	8.8	7.5	159.84	132.7	-239.9	116.5	104.5	12.02	9.692			
3,300.0	3,269.6	3,299.4	3,283.1	9.1	7.7	159.94	138.2	-250.1	121.5	109.1	12.41	9.796			
3,400.0	3,368.3	3,399.2	3,382.3	9.5	8.0	160.02	143.7	-260.3	126.6	113.8	12.80	9.893			
3,500.0	3,466.9	3,499.1	3,481.5	9.8	8.3	160.11	149.2	-270.5	131.7	118.5	13.19	9.985			
3,600.0	3,565.6	3,599.0	3,580.7	10.1	8.5	160.18	154.7	-280.8	136.8	123.2	13.58	10.071			
3,700.0	3,664.3	3,698.9	3,679.9	10.5	8.8	160.25	160.1	-291.0	141.8	127.9	13.97	10.153			
3,800.0	3,762.9	3,798.7	3,779.1	10.8	9.1	160.32	165.6	-301.2	146.9	132.5	14.36	10.230			
3,900.0	3,861.6	3,898.6	3,878.3	11.1	9.3	160.38	171.1	-311.4	152.0	137.2	14.75	10.303			
4,000.0	3,960.3	3,998.5	3,977.5	11.5	9.6	160.44	176.6	-321.6	157.0	141.9	15.14	10.372			
4,100.0	4,058.9	4,098.3	4,076.7	11.8	9.9	160.49	182.1	-331.8	162.1	146.6	15.53	10.438			
4,200.0	4,157.6	4,198.2	4,175.9	12.1	10.1	160.54	187.6	-342.0	167.2	151.2	15.92	10.500			
4,300.0	4,256.3	4,298.1	4,275.1	12.5	10.4	160.59	193.1	-352.3	172.2	155.9	16.31	10.560			
4,400.0	4,354.9	4,398.0	4,374.3	12.8	10.7	160.63	198.5	-362.5	177.3	160.6	16.70	10.616			
4,500.0	4,453.6	4,497.8	4,473.5	13.1	10.9	160.68	204.0	-372.7	182.4	165.3	17.09	10.670			
4,600.0	4,552.2	4,597.7	4,572.7	13.5	11.2	160.72	209.5	-382.9	187.4	170.0	17.48	10.722			
4,700.0	4,650.9	4,697.6	4,671.9	13.8	11.5	160.75	215.0	-393.1	192.5	174.6	17.87	10.771			
4,800.0	4,749.6	4,797.4	4,771.0	14.1	11.7	160.79	220.5	-403.3	197.6	179.3	18.26	10.819			
4,900.0	4,848.2	4,897.3	4,870.2	14.5	12.0	160.82	226.0	-413.6	202.7	184.0	18.65	10.864			
5,000.0	4,946.9	4,997.2	4,969.4	14.8	12.3	160.86	231.5	-423.8	207.7	188.7	19.04	10.907			
5,100.0	5,045.6	5,097.1	5,068.6	15.2	12.5	160.89	236.9	-434.0	212.8	193.4	19.44	10.949			

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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	5,144.3	5,196.9	5,167.9	15.5	12.8	160.88	242.4	-444.2	217.4	197.5	19.84	10.958		
5,300.0	5,243.3	5,296.9	5,267.1	15.8	13.1	160.73	247.9	-454.4	220.3	200.1	20.25	10.879		
5,400.0	5,342.6	5,395.8	5,365.4	16.0	13.3	160.44	253.3	-464.5	221.7	201.0	20.68	10.721		
5,500.0	5,442.0	5,492.5	5,461.5	16.3	13.6	160.16	258.0	-473.2	222.6	201.5	21.09	10.556		
5,600.0	5,541.6	5,589.1	5,557.9	16.5	13.8	159.93	261.9	-480.5	223.4	201.9	21.48	10.400		
5,700.0	5,641.3	5,685.8	5,654.3	16.7	14.0	159.75	265.0	-486.3	224.0	202.1	21.84	10.253		
5,800.0	5,741.2	5,782.5	5,750.8	16.8	14.1	159.61	267.4	-490.8	224.4	202.2	22.19	10.113		
5,900.0	5,841.1	5,879.1	5,847.4	17.0	14.3	159.51	269.0	-493.7	224.8	202.2	22.52	9.980		
6,000.0	5,941.1	5,975.8	5,944.0	17.1	14.4	159.47	269.9	-495.3	224.9	202.1	22.83	9.853		
6,100.0	6,041.1	6,073.8	6,042.1	17.2	14.5	90.00	270.0	-495.5	225.0	201.8	23.13	9.725		
6,200.0	6,141.1	6,173.8	6,142.1	17.3	14.7	90.00	270.0	-495.5	225.0	201.5	23.45	9.593		
6,300.0	6,241.1	6,273.8	6,242.1	17.4	14.8	90.00	270.0	-495.5	225.0	201.2	23.77	9.463		
6,400.0	6,341.1	6,373.8	6,342.1	17.5	14.9	90.00	270.0	-495.5	225.0	200.9	24.09	9.337		
6,446.9	6,388.0	6,420.7	6,389.0	17.6	15.0	-90.29	270.0	-495.5	225.0	200.7	24.27	9.269		
6,500.0	6,441.0	6,473.7	6,442.0	17.6	15.1	-90.79	270.0	-495.5	225.0	200.5	24.50	9.184		
6,600.0	6,539.0	6,571.8	6,540.0	17.6	15.2	-95.42	270.0	-495.5	226.1	200.7	25.35	8.920		
6,700.0	6,632.3	6,668.4	6,636.6	17.6	15.3	-103.19	269.0	-495.5	232.1	205.7	26.38	8.800		
6,800.0	6,717.9	6,775.1	6,741.9	17.5	15.3	-111.42	252.9	-495.5	244.3	217.5	26.74	9.135		
6,900.0	6,793.2	6,891.4	6,851.2	17.5	15.3	-118.71	213.5	-495.5	260.6	234.5	26.10	9.983		
7,000.0	6,856.1	7,018.9	6,959.0	17.6	15.2	-124.81	146.0	-495.5	278.5	253.8	24.69	11.278		
7,100.0	6,904.5	7,158.7	7,056.9	17.8	15.3	-129.55	46.7	-495.5	295.2	272.1	23.12	12.771		
7,200.0	6,937.0	7,310.0	7,132.5	18.1	15.6	-132.78	-84.0	-495.5	308.1	285.8	22.32	13.801		
7,300.0	6,952.6	7,469.8	7,172.3	18.6	16.3	-134.35	-238.1	-495.5	314.7	291.7	23.08	13.635		
7,400.0	6,954.0	7,594.8	7,176.0	19.3	17.2	-134.49	-363.0	-495.5	315.4	290.7	24.69	12.774		
7,500.0	6,954.0	7,694.8	7,176.0	20.0	18.1	-134.49	-463.0	-495.5	315.4	289.2	26.12	12.072		
7,600.0	6,954.0	7,794.8	7,176.0	20.9	19.1	-134.49	-563.0	-495.5	315.4	287.6	27.71	11.379		
7,700.0	6,954.0	7,894.8	7,176.0	22.0	20.2	-134.49	-663.0	-495.5	315.4	285.9	29.43	10.715		
7,800.0	6,954.0	7,994.8	7,176.0	23.1	21.4	-134.49	-763.0	-495.5	315.4	284.1	31.26	10.088		
7,900.0	6,954.0	8,094.8	7,176.0	24.2	22.7	-134.49	-863.0	-495.5	315.4	282.2	33.18	9.505		
8,000.0	6,954.0	8,194.8	7,176.0	25.5	24.0	-134.49	-963.0	-495.5	315.4	280.2	35.17	8.966		
8,100.0	6,954.0	8,294.8	7,176.0	26.8	25.4	-134.49	-1,063.0	-495.5	315.4	278.1	37.23	8.470		
8,200.0	6,954.0	8,394.8	7,176.0	28.1	26.8	-134.49	-1,163.0	-495.5	315.4	276.0	39.34	8.016		
8,300.0	6,954.0	8,494.8	7,176.0	29.5	28.3	-134.49	-1,263.0	-495.5	315.4	273.9	41.50	7.599		
8,400.0	6,954.0	8,594.8	7,176.0	31.0	29.8	-134.49	-1,363.0	-495.5	315.4	271.7	43.69	7.218		
8,500.0	6,954.0	8,694.8	7,176.0	32.4	31.3	-134.49	-1,463.0	-495.5	315.4	269.4	45.92	6.867		
8,600.0	6,954.0	8,794.8	7,176.0	33.9	32.8	-134.49	-1,563.0	-495.5	315.4	267.2	48.18	6.546		
8,700.0	6,954.0	8,894.8	7,176.0	35.4	34.4	-134.49	-1,663.0	-495.5	315.4	264.9	50.46	6.250		
8,800.0	6,954.0	8,994.8	7,176.0	37.0	36.0	-134.49	-1,763.0	-495.5	315.4	262.6	52.76	5.977		
8,900.0	6,954.0	9,094.8	7,176.0	38.5	37.6	-134.49	-1,863.0	-495.5	315.4	260.3	55.08	5.725		
9,000.0	6,954.0	9,194.8	7,176.0	40.1	39.2	-134.49	-1,963.0	-495.5	315.4	257.9	57.42	5.492		
9,100.0	6,954.0	9,294.8	7,176.0	41.7	40.8	-134.49	-2,063.0	-495.5	315.4	255.6	59.77	5.276		
9,200.0	6,954.0	9,394.8	7,176.0	43.3	42.4	-134.49	-2,163.0	-495.5	315.4	253.2	62.14	5.075		
9,300.0	6,954.0	9,494.8	7,176.0	44.9	44.1	-134.49	-2,263.0	-495.5	315.4	250.8	64.52	4.888		
9,400.0	6,954.0	9,594.8	7,176.0	46.5	45.7	-134.49	-2,363.0	-495.5	315.4	248.5	66.90	4.714		
9,500.0	6,954.0	9,694.8	7,176.0	48.1	47.4	-134.49	-2,463.0	-495.5	315.4	246.1	69.30	4.551		
9,600.0	6,954.0	9,794.8	7,176.0	49.8	49.1	-134.49	-2,563.0	-495.5	315.4	243.6	71.70	4.398		
9,700.0	6,954.0	9,894.8	7,176.0	51.4	50.7	-134.49	-2,663.0	-495.5	315.4	241.2	74.12	4.255		
9,800.0	6,954.0	9,994.8	7,176.0	53.1	52.4	-134.49	-2,763.0	-495.5	315.4	238.8	76.54	4.120		
9,900.0	6,954.0	10,094.8	7,176.0	54.7	54.1	-134.49	-2,863.0	-495.5	315.4	236.4	78.96	3.994		
10,000.0	6,954.0	10,194.8	7,176.0	56.4	55.8	-134.49	-2,963.0	-495.5	315.4	234.0	81.39	3.874		
10,100.0	6,954.0	10,294.8	7,176.0	58.1	57.5	-134.49	-3,063.0	-495.5	315.4	231.5	83.83	3.762		
10,200.0	6,954.0	10,394.8	7,176.0	59.7	59.2	-134.49	-3,163.0	-495.5	315.4	229.1	86.27	3.655		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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		
10,300.0	6,954.0	10,494.8	7,176.0	61.4	60.8	-134.49	-3,263.0	-495.5	315.4	226.6	88.71	3.555		
10,400.0	6,954.0	10,594.8	7,176.0	63.1	62.5	-134.49	-3,363.0	-495.5	315.4	224.2	91.16	3.459		
10,500.0	6,954.0	10,694.8	7,176.0	64.8	64.2	-134.49	-3,463.0	-495.5	315.4	221.7	93.61	3.369		
10,600.0	6,954.0	10,794.8	7,176.0	66.5	66.0	-134.49	-3,563.0	-495.5	315.4	219.3	96.07	3.283		
10,700.0	6,954.0	10,894.8	7,176.0	68.2	67.7	-134.49	-3,663.0	-495.5	315.3	216.8	98.53	3.201		
10,800.0	6,954.0	10,994.8	7,176.0	69.9	69.4	-134.49	-3,763.0	-495.5	315.3	214.4	100.99	3.123		
10,900.0	6,954.0	11,094.8	7,176.0	71.6	71.1	-134.49	-3,863.0	-495.5	315.3	211.9	103.45	3.048		
11,000.0	6,954.0	11,194.8	7,176.0	73.3	72.8	-134.49	-3,963.0	-495.5	315.3	209.4	105.92	2.977		
11,100.0	6,954.0	11,294.8	7,176.0	75.0	74.5	-134.49	-4,063.0	-495.5	315.3	207.0	108.39	2.909		
11,200.0	6,954.0	11,394.8	7,176.0	76.7	76.2	-134.49	-4,163.0	-495.5	315.3	204.5	110.86	2.845		
11,300.0	6,954.0	11,494.8	7,176.0	78.4	78.0	-134.49	-4,263.0	-495.5	315.3	202.0	113.34	2.782		
11,400.0	6,954.0	11,594.8	7,176.0	80.1	79.7	-134.49	-4,363.0	-495.5	315.3	199.5	115.81	2.723		
11,500.0	6,954.0	11,694.8	7,176.0	81.8	81.4	-134.49	-4,463.0	-495.5	315.3	197.1	118.29	2.666		
11,586.8	6,954.0	11,781.6	7,176.0	83.3	82.9	-134.49	-4,549.8	-495.5	315.3	194.9	120.44	2.618 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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		
0.0	0.0	1.0	1.0	0.0	0.0	90.10	0.0	14.8	14.8					
100.0	100.0	101.0	101.0	0.1	0.1	90.10	0.0	14.8	14.8	14.6	0.25	60.246		
200.0	200.0	201.0	201.0	0.3	0.3	90.10	0.0	14.8	14.8	14.2	0.60	24.911		
300.0	300.0	301.0	301.0	0.5	0.5	90.10	0.0	14.8	14.8	13.9	0.94	15.702		
400.0	400.0	401.0	401.0	0.6	0.6	90.10	0.0	14.8	14.8	13.5	1.29	11.464 CC, ES		
500.0	500.0	501.0	501.0	0.8	0.8	160.67	0.0	14.8	15.6	14.0	1.64	9.527		
600.0	600.0	601.2	601.2	1.0	1.0	161.54	0.6	14.2	17.5	15.5	1.99	8.765		
700.0	699.9	701.4	701.4	1.2	1.2	160.47	2.4	12.3	19.6	17.3	2.34	8.373		
800.0	799.7	801.6	801.5	1.4	1.4	158.09	5.4	9.1	22.2	19.5	2.70	8.206		
900.0	899.4	901.9	901.5	1.6	1.6	154.89	9.7	4.6	25.1	22.1	3.07	8.193		
1,000.0	998.9	1,001.9	1,001.3	1.8	1.8	151.74	14.9	-0.9	28.8	25.3	3.45	8.348		
1,100.0	1,098.3	1,101.8	1,100.9	2.1	2.0	150.59	20.2	-6.5	33.9	30.1	3.83	8.844		
1,200.0	1,197.4	1,201.6	1,200.3	2.3	2.2	150.97	25.5	-12.2	40.5	36.3	4.22	9.607		
1,300.0	1,296.3	1,301.2	1,299.7	2.6	2.4	152.22	30.8	-17.8	48.7	44.1	4.60	10.580		
1,400.0	1,395.0	1,400.8	1,398.9	2.9	2.6	153.75	36.1	-23.4	58.2	53.2	4.99	11.661		
1,500.0	1,493.7	1,500.3	1,498.2	3.2	2.8	154.90	41.4	-29.0	67.8	62.4	5.37	12.609		
1,600.0	1,592.3	1,599.8	1,597.4	3.5	3.0	155.77	46.7	-34.6	77.4	71.6	5.76	13.433		
1,700.0	1,691.0	1,699.4	1,696.6	3.9	3.2	156.45	52.0	-40.2	87.0	80.9	6.15	14.153		
1,800.0	1,789.6	1,798.9	1,795.9	4.2	3.4	156.99	57.3	-45.8	96.7	90.1	6.54	14.789		
1,900.0	1,888.3	1,898.4	1,895.1	4.5	3.7	157.43	62.6	-51.4	106.3	99.4	6.92	15.353		
2,000.0	1,987.0	1,997.9	1,994.3	4.8	3.9	157.80	67.9	-57.0	115.9	108.6	7.31	15.858		
2,100.0	2,085.6	2,097.5	2,093.6	5.2	4.1	158.12	73.2	-62.6	125.6	117.9	7.70	16.312		
2,200.0	2,184.3	2,197.0	2,192.8	5.5	4.3	158.39	78.5	-68.2	135.3	127.2	8.09	16.722		
2,300.0	2,283.0	2,296.5	2,292.0	5.8	4.5	158.62	83.8	-73.8	144.9	136.4	8.48	17.095		
2,400.0	2,381.6	2,396.1	2,391.3	6.1	4.7	158.82	89.1	-79.4	154.6	145.7	8.87	17.435		
2,500.0	2,480.3	2,495.6	2,490.5	6.5	5.0	159.00	94.4	-85.0	164.2	155.0	9.26	17.746		
2,600.0	2,579.0	2,595.1	2,589.7	6.8	5.2	159.16	99.7	-90.6	173.9	164.3	9.65	18.031		
2,700.0	2,677.6	2,694.7	2,689.0	7.1	5.4	159.30	105.0	-96.2	183.6	173.5	10.03	18.295		
2,800.0	2,776.3	2,794.2	2,788.2	7.5	5.6	159.43	110.3	-101.8	193.2	182.8	10.42	18.539		
2,900.0	2,875.0	2,893.7	2,887.4	7.8	5.8	159.55	115.6	-107.4	202.9	192.1	10.81	18.765		
3,000.0	2,973.6	2,993.3	2,986.7	8.1	6.1	159.65	120.9	-113.0	212.6	201.4	11.20	18.975		
3,100.0	3,072.3	3,092.8	3,085.9	8.5	6.3	159.75	126.2	-118.6	222.3	210.7	11.59	19.171		
3,200.0	3,170.9	3,192.3	3,185.1	8.8	6.5	159.84	131.5	-124.2	231.9	219.9	11.98	19.355		
3,300.0	3,269.6	3,291.8	3,284.3	9.1	6.7	159.92	136.8	-129.8	241.6	229.2	12.37	19.526		
3,400.0	3,368.3	3,391.4	3,383.6	9.5	6.9	160.00	142.1	-135.4	251.3	238.5	12.76	19.688		
3,500.0	3,466.9	3,490.9	3,482.8	9.8	7.1	160.07	147.4	-141.0	260.9	247.8	13.15	19.839		
3,600.0	3,565.6	3,590.4	3,582.0	10.1	7.4	160.13	152.7	-146.6	270.6	257.1	13.54	19.982		
3,700.0	3,664.3	3,690.0	3,681.3	10.5	7.6	160.19	158.0	-152.2	280.3	266.4	13.93	20.117		
3,800.0	3,762.9	3,789.5	3,780.5	10.8	7.8	160.25	163.3	-157.8	290.0	275.6	14.32	20.244		
3,900.0	3,861.6	3,889.0	3,879.7	11.1	8.0	160.30	168.6	-163.4	299.6	284.9	14.71	20.365		
4,000.0	3,960.3	3,988.6	3,979.0	11.5	8.2	160.35	173.9	-169.0	309.3	294.2	15.10	20.479		
4,100.0	4,058.9	4,088.1	4,078.2	11.8	8.5	160.39	179.2	-174.6	319.0	303.5	15.49	20.588		
4,200.0	4,157.6	4,187.6	4,177.4	12.1	8.7	160.44	184.5	-180.2	328.7	312.8	15.88	20.691		
4,300.0	4,256.3	4,287.2	4,276.7	12.5	8.9	160.48	189.8	-185.8	338.3	322.1	16.27	20.789		
4,400.0	4,354.9	4,386.7	4,375.9	12.8	9.1	160.52	195.1	-191.4	348.0	331.3	16.66	20.883		
4,500.0	4,453.6	4,486.2	4,475.1	13.1	9.3	160.55	200.4	-197.0	357.7	340.6	17.06	20.972		
4,600.0	4,552.2	4,585.7	4,574.4	13.5	9.6	160.59	205.7	-202.6	367.4	349.9	17.45	21.057		
4,700.0	4,650.9	4,685.3	4,673.6	13.8	9.8	160.62	211.0	-208.2	377.0	359.2	17.84	21.139		
4,800.0	4,749.6	4,784.8	4,772.8	14.1	10.0	160.65	216.3	-213.8	386.7	368.5	18.23	21.217		
4,900.0	4,848.2	4,884.3	4,872.0	14.5	10.2	160.68	221.6	-219.4	396.4	377.8	18.62	21.292		
5,000.0	4,946.9	4,983.9	4,971.3	14.8	10.4	160.71	226.9	-225.0	406.1	387.0	19.01	21.363		
5,100.0	5,045.6	5,083.4	5,070.5	15.2	10.7	160.74	232.2	-230.7	415.7	396.3	19.40	21.432		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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	5,144.3	5,183.0	5,169.8	15.5	10.9	160.76	237.5	-236.3	424.9	405.1	19.80	21.464		
5,300.0	5,243.3	5,282.7	5,269.2	15.8	11.1	160.72	242.8	-241.9	432.5	412.3	20.20	21.411		
5,400.0	5,342.6	5,382.5	5,368.7	16.0	11.3	160.59	248.1	-247.5	438.4	417.8	20.60	21.277		
5,500.0	5,442.0	5,482.4	5,468.3	16.3	11.5	160.38	253.5	-253.1	442.7	421.7	21.01	21.068		
5,600.0	5,541.6	5,581.7	5,567.3	16.5	11.7	160.11	258.7	-258.7	445.3	423.9	21.42	20.789		
5,700.0	5,641.3	5,676.3	5,661.7	16.7	11.9	159.85	263.1	-263.3	447.1	425.3	21.80	20.507		
5,800.0	5,741.2	5,770.8	5,756.1	16.8	12.1	159.66	266.4	-266.8	448.4	426.3	22.16	20.237		
5,900.0	5,841.1	5,865.4	5,850.6	17.0	12.3	159.54	268.6	-269.2	449.4	426.9	22.49	19.977		
6,000.0	5,941.1	5,960.0	5,945.2	17.1	12.4	159.47	269.8	-270.4	449.8	427.0	22.80	19.726		
6,100.0	6,041.1	6,056.9	6,042.1	17.2	12.6	90.00	270.0	-270.6	449.9	426.8	23.11	19.469		
6,200.0	6,141.1	6,156.9	6,142.1	17.3	12.7	90.00	270.0	-270.6	449.9	426.5	23.43	19.203		
6,300.0	6,241.1	6,256.9	6,242.1	17.4	12.9	90.00	270.0	-270.6	449.9	426.2	23.75	18.945		
6,400.0	6,341.1	6,356.9	6,342.1	17.5	13.0	90.00	270.0	-270.6	449.9	425.9	24.07	18.692		
6,447.0	6,388.1	6,403.9	6,389.1	17.6	13.1	-90.14	270.0	-270.6	449.9	425.7	24.22	18.575		
6,500.0	6,441.0	6,456.8	6,442.0	17.6	13.2	-90.39	270.0	-270.6	449.9	425.5	24.40	18.437		
6,600.0	6,539.0	6,557.2	6,542.2	17.6	13.3	-92.28	265.8	-270.6	450.3	425.5	24.75	18.196		
6,700.0	6,632.3	6,660.7	6,643.3	17.6	13.3	-94.23	244.1	-270.6	451.2	426.3	24.85	18.157		
6,800.0	6,717.9	6,767.2	6,741.5	17.5	13.2	-96.06	203.2	-270.6	452.5	427.8	24.74	18.291		
6,900.0	6,793.2	6,876.9	6,832.9	17.5	13.1	-97.73	142.9	-270.6	454.1	429.6	24.54	18.508		
7,000.0	6,856.1	6,989.5	6,913.0	17.6	13.2	-99.15	64.0	-270.6	455.8	431.3	24.44	18.652		
7,100.0	6,904.5	7,104.7	6,977.4	17.8	13.3	-100.27	-31.2	-270.6	457.3	432.6	24.70	18.517		
7,200.0	6,937.0	7,221.9	7,022.1	18.1	13.8	-101.03	-139.3	-270.6	458.4	432.9	25.54	17.947		
7,300.0	6,952.6	7,340.3	7,044.0	18.6	14.5	-101.40	-255.5	-270.6	459.0	431.9	27.07	16.956		
7,400.0	6,954.0	7,447.9	7,046.0	19.3	15.4	-101.43	-363.0	-270.6	459.0	430.1	28.95	15.857		
7,500.0	6,954.0	7,547.9	7,046.0	20.0	16.4	-101.43	-463.0	-270.6	459.0	428.1	30.96	14.827		
7,600.0	6,954.0	7,647.9	7,046.0	20.9	17.5	-101.43	-563.0	-270.6	459.0	425.8	33.21	13.824		
7,700.0	6,954.0	7,747.9	7,046.0	22.0	18.7	-101.43	-663.0	-270.6	459.0	423.4	35.64	12.879		
7,800.0	6,954.0	7,847.9	7,046.0	23.1	20.0	-101.43	-763.0	-270.6	459.0	420.8	38.23	12.006		
7,900.0	6,954.0	7,947.9	7,046.0	24.2	21.4	-101.43	-863.0	-270.6	459.0	418.1	40.95	11.209		
8,000.0	6,954.0	8,047.9	7,046.0	25.5	22.8	-101.43	-963.0	-270.6	459.0	415.3	43.77	10.487		
8,100.0	6,954.0	8,147.9	7,046.0	26.8	24.2	-101.43	-1,063.0	-270.6	459.0	412.4	46.67	9.835		
8,200.0	6,954.0	8,247.9	7,046.0	28.1	25.7	-101.43	-1,163.0	-270.6	459.0	409.4	49.64	9.247		
8,300.0	6,954.0	8,347.9	7,046.0	29.5	27.2	-101.43	-1,263.0	-270.6	459.0	406.4	52.67	8.715		
8,400.0	6,954.0	8,447.9	7,046.0	31.0	28.8	-101.43	-1,363.0	-270.6	459.0	403.3	55.75	8.234		
8,500.0	6,954.0	8,547.9	7,046.0	32.4	30.3	-101.43	-1,463.0	-270.6	459.0	400.2	58.86	7.798		
8,600.0	6,954.0	8,647.9	7,046.0	33.9	31.9	-101.43	-1,563.0	-270.6	459.0	397.0	62.01	7.402		
8,700.0	6,954.0	8,747.9	7,046.0	35.4	33.5	-101.43	-1,663.0	-270.6	459.0	393.8	65.19	7.041		
8,800.0	6,954.0	8,847.9	7,046.0	37.0	35.1	-101.43	-1,763.0	-270.6	459.0	390.6	68.40	6.711		
8,900.0	6,954.0	8,947.9	7,046.0	38.5	36.8	-101.43	-1,863.0	-270.6	459.0	387.4	71.62	6.409		
9,000.0	6,954.0	9,047.9	7,046.0	40.1	38.4	-101.43	-1,963.0	-270.6	459.0	384.2	74.87	6.131		
9,100.0	6,954.0	9,147.9	7,046.0	41.7	40.1	-101.43	-2,063.0	-270.6	459.0	380.9	78.13	5.875		
9,200.0	6,954.0	9,247.9	7,046.0	43.3	41.7	-101.43	-2,163.0	-270.6	459.0	377.6	81.41	5.639		
9,300.0	6,954.0	9,347.9	7,046.0	44.9	43.4	-101.43	-2,263.0	-270.6	459.0	374.3	84.70	5.420		
9,400.0	6,954.0	9,447.9	7,046.0	46.5	45.1	-101.43	-2,363.0	-270.6	459.0	371.0	88.00	5.216		
9,500.0	6,954.0	9,547.9	7,046.0	48.1	46.7	-101.43	-2,463.0	-270.6	459.0	367.7	91.31	5.027		
9,600.0	6,954.0	9,647.9	7,046.0	49.8	48.4	-101.43	-2,563.0	-270.6	459.0	364.4	94.63	4.851		
9,700.0	6,954.0	9,747.9	7,046.0	51.4	50.1	-101.43	-2,663.0	-270.6	459.0	361.1	97.96	4.686		
9,800.0	6,954.0	9,847.9	7,046.0	53.1	51.8	-101.43	-2,763.0	-270.6	459.0	357.7	101.29	4.532		
9,900.0	6,954.0	9,947.9	7,046.0	54.7	53.5	-101.43	-2,863.0	-270.6	459.0	354.4	104.64	4.387		
10,000.0	6,954.0	10,047.9	7,046.0	56.4	55.2	-101.43	-2,963.0	-270.6	459.0	351.0	107.98	4.251		
10,100.0	6,954.0	10,147.9	7,046.0	58.1	56.9	-101.43	-3,063.0	-270.6	459.0	347.7	111.34	4.123		
10,200.0	6,954.0	10,247.9	7,046.0	59.7	58.6	-101.43	-3,163.0	-270.6	459.0	344.3	114.70	4.002		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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	6,954.0	10,347.9	7,046.0	61.4	60.3	-101.43	-3,263.0	-270.6	459.0	341.0	118.06	3.888		
10,400.0	6,954.0	10,447.9	7,046.0	63.1	62.1	-101.43	-3,363.0	-270.6	459.0	337.6	121.43	3.780		
10,500.0	6,954.0	10,547.9	7,046.0	64.8	63.8	-101.43	-3,463.0	-270.6	459.0	334.2	124.80	3.678		
10,600.0	6,954.0	10,647.9	7,046.0	66.5	65.5	-101.43	-3,563.0	-270.6	459.0	330.8	128.18	3.581		
10,700.0	6,954.0	10,747.9	7,046.0	68.2	67.2	-101.43	-3,663.0	-270.6	459.0	327.5	131.56	3.489		
10,800.0	6,954.0	10,847.9	7,046.0	69.9	68.9	-101.43	-3,763.0	-270.6	459.0	324.1	134.94	3.402		
10,900.0	6,954.0	10,947.9	7,046.0	71.6	70.6	-101.43	-3,863.0	-270.6	459.0	320.7	138.32	3.318		
11,000.0	6,954.0	11,047.9	7,046.0	73.3	72.4	-101.43	-3,963.0	-270.6	459.0	317.3	141.71	3.239		
11,100.0	6,954.0	11,147.9	7,046.0	75.0	74.1	-101.43	-4,063.0	-270.6	459.0	313.9	145.10	3.163		
11,200.0	6,954.0	11,247.9	7,046.0	76.7	75.8	-101.43	-4,163.0	-270.6	459.0	310.5	148.49	3.091		
11,300.0	6,954.0	11,347.9	7,046.0	78.4	77.5	-101.43	-4,263.0	-270.6	459.0	307.1	151.89	3.022		
11,400.0	6,954.0	11,447.9	7,046.0	80.1	79.3	-101.43	-4,363.0	-270.6	459.0	303.7	155.28	2.956		
11,500.0	6,954.0	11,547.9	7,046.0	81.8	81.0	-101.43	-4,463.0	-270.6	459.0	300.3	158.68	2.893		
11,586.8	6,954.0	11,634.6	7,046.0	83.3	82.5	-101.43	-4,549.8	-270.6	459.0	297.4	161.63	2.840 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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	1.0	1.0	0.0	0.0	90.87	-0.3	22.4	22.4					
100.0	100.0	101.0	101.0	0.1	0.1	90.87	-0.3	22.4	22.4	22.1	0.25	90.948		
200.0	200.0	201.0	201.0	0.3	0.3	90.87	-0.3	22.4	22.4	21.8	0.60	37.606		
300.0	300.0	301.0	301.0	0.5	0.5	90.87	-0.3	22.4	22.4	21.4	0.94	23.704		
400.0	400.0	401.0	401.0	0.6	0.6	90.87	-0.3	22.4	22.4	21.1	1.29	17.306 CC, ES		
500.0	500.0	501.0	501.0	0.8	0.8	160.51	-0.1	22.3	23.1	21.5	1.64	14.092		
600.0	600.0	601.1	601.1	1.0	1.0	158.61	1.6	21.9	25.2	23.2	1.99	12.626		
700.0	699.9	701.2	701.1	1.2	1.2	154.92	5.0	21.0	28.5	26.1	2.35	12.123		
800.0	799.7	801.1	800.8	1.4	1.4	150.76	9.9	19.8	33.2	30.5	2.71	12.253		
900.0	899.4	900.8	900.5	1.6	1.6	148.64	15.0	18.5	39.6	36.5	3.08	12.843		
1,000.0	998.9	1,000.5	1,000.0	1.8	1.7	148.24	20.1	17.2	47.5	44.0	3.46	13.721		
1,100.0	1,098.3	1,100.1	1,099.5	2.1	1.9	148.86	25.3	15.9	56.9	53.0	3.84	14.799		
1,200.0	1,197.4	1,199.5	1,198.7	2.3	2.1	150.05	30.4	14.6	67.7	63.5	4.22	16.031		
1,300.0	1,296.3	1,298.7	1,297.8	2.6	2.3	151.50	35.5	13.4	80.1	75.5	4.61	17.391		
1,400.0	1,395.0	1,397.7	1,396.7	2.9	2.5	152.98	40.6	12.1	93.8	88.8	4.99	18.794		
1,500.0	1,493.7	1,496.7	1,495.6	3.2	2.7	154.12	45.7	10.8	107.7	102.3	5.38	20.018		
1,600.0	1,592.3	1,595.8	1,594.4	3.5	2.9	155.01	50.7	9.5	121.5	115.8	5.77	21.083		
1,700.0	1,691.0	1,694.8	1,693.3	3.9	3.1	155.71	55.8	8.2	135.4	129.3	6.15	22.016		
1,800.0	1,789.6	1,793.8	1,792.2	4.2	3.3	156.29	60.9	7.0	149.4	142.8	6.54	22.841		
1,900.0	1,888.3	1,892.8	1,891.1	4.5	3.5	156.76	66.0	5.7	163.3	156.4	6.93	23.574		
2,000.0	1,987.0	1,991.8	1,989.9	4.8	3.7	157.16	71.1	4.4	177.2	169.9	7.31	24.231		
2,100.0	2,085.6	2,090.8	2,088.8	5.2	3.9	157.50	76.2	3.1	191.2	183.5	7.70	24.822		
2,200.0	2,184.3	2,189.9	2,187.7	5.5	4.1	157.80	81.3	1.8	205.1	197.0	8.09	25.357		
2,300.0	2,283.0	2,288.9	2,286.6	5.8	4.3	158.06	86.4	0.5	219.1	210.6	8.48	25.843		
2,400.0	2,381.6	2,387.9	2,385.5	6.1	4.4	158.29	91.5	-0.7	233.0	224.2	8.87	26.286		
2,500.0	2,480.3	2,486.9	2,484.3	6.5	4.6	158.49	96.5	-2.0	247.0	237.7	9.25	26.693		
2,600.0	2,579.0	2,585.9	2,583.2	6.8	4.8	158.67	101.6	-3.3	261.0	251.3	9.64	27.067		
2,700.0	2,677.6	2,684.9	2,682.1	7.1	5.0	158.83	106.7	-4.6	274.9	264.9	10.03	27.412		
2,800.0	2,776.3	2,784.0	2,781.0	7.5	5.2	158.97	111.8	-5.9	288.9	278.5	10.42	27.731		
2,900.0	2,875.0	2,883.0	2,879.8	7.8	5.4	159.11	116.9	-7.1	302.9	292.1	10.81	28.027		
3,000.0	2,973.6	2,982.0	2,978.7	8.1	5.6	159.23	122.0	-8.4	316.8	305.7	11.19	28.303		
3,100.0	3,072.3	3,081.0	3,077.6	8.5	5.8	159.34	127.1	-9.7	330.8	319.2	11.58	28.560		
3,200.0	3,170.9	3,180.0	3,176.5	8.8	6.0	159.44	132.2	-11.0	344.8	332.8	11.97	28.801		
3,300.0	3,269.6	3,279.0	3,275.4	9.1	6.2	159.53	137.3	-12.3	358.8	346.4	12.36	29.026		
3,400.0	3,368.3	3,378.1	3,374.2	9.5	6.4	159.62	142.3	-13.6	372.8	360.0	12.75	29.238		
3,500.0	3,466.9	3,477.1	3,473.1	9.8	6.6	159.70	147.4	-14.8	386.7	373.6	13.14	29.437		
3,600.0	3,565.6	3,576.1	3,572.0	10.1	6.8	159.78	152.5	-16.1	400.7	387.2	13.53	29.625		
3,700.0	3,664.3	3,675.1	3,670.9	10.5	7.0	159.85	157.6	-17.4	414.7	400.8	13.91	29.802		
3,800.0	3,762.9	3,774.1	3,769.7	10.8	7.2	159.91	162.7	-18.7	428.7	414.4	14.30	29.970		
3,900.0	3,861.6	3,873.1	3,868.6	11.1	7.4	159.97	167.8	-20.0	442.6	428.0	14.69	30.128		
4,000.0	3,960.3	3,972.2	3,967.5	11.5	7.6	160.03	172.9	-21.2	456.6	441.5	15.08	30.279		
4,100.0	4,058.9	4,071.2	4,066.4	11.8	7.8	160.08	178.0	-22.5	470.6	455.1	15.47	30.422		
4,200.0	4,157.6	4,170.2	4,165.3	12.1	8.0	160.13	183.1	-23.8	484.6	468.7	15.86	30.558		
4,300.0	4,256.3	4,269.2	4,264.1	12.5	8.2	160.18	188.1	-25.1	498.6	482.3	16.25	30.687		
4,400.0	4,354.9	4,368.2	4,363.0	12.8	8.4	160.23	193.2	-26.4	512.6	495.9	16.64	30.811		
4,500.0	4,453.6	4,467.2	4,461.9	13.1	8.5	160.27	198.3	-27.7	526.5	509.5	17.02	30.928		
4,600.0	4,552.2	4,566.3	4,560.8	13.5	8.7	160.31	203.4	-28.9	540.5	523.1	17.41	31.041		
4,700.0	4,650.9	4,665.3	4,659.6	13.8	8.9	160.35	208.5	-30.2	554.5	536.7	17.80	31.148		
4,800.0	4,749.6	4,764.3	4,758.5	14.1	9.1	160.39	213.6	-31.5	568.5	550.3	18.19	31.251		
4,900.0	4,848.2	4,863.3	4,857.4	14.5	9.3	160.42	218.7	-32.8	582.5	563.9	18.58	31.350		
5,000.0	4,946.9	4,962.3	4,956.3	14.8	9.5	160.45	223.8	-34.1	596.4	577.5	18.97	31.444		
5,100.0	5,045.6	5,061.3	5,055.2	15.2	9.7	160.49	228.9	-35.3	610.4	591.1	19.36	31.535		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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	5,144.3	5,160.4	5,154.1	15.5	9.9	160.54	233.9	-36.6	623.9	604.2	19.76	31.582		
5,300.0	5,243.3	5,259.7	5,253.2	15.8	10.1	160.54	239.0	-37.9	635.8	615.6	20.15	31.546		
5,400.0	5,342.6	5,359.2	5,352.6	16.0	10.3	160.48	244.2	-39.2	646.0	625.5	20.55	31.434		
5,500.0	5,442.0	5,458.8	5,452.0	16.3	10.5	160.37	249.3	-40.5	654.7	633.7	20.95	31.251		
5,600.0	5,541.6	5,558.5	5,551.6	16.5	10.7	160.21	254.4	-41.8	661.6	640.3	21.34	31.001		
5,700.0	5,641.3	5,658.4	5,651.3	16.7	10.9	160.00	259.5	-43.1	667.0	645.3	21.74	30.687		
5,800.0	5,741.2	5,756.7	5,749.5	16.8	11.1	159.76	264.3	-44.3	670.8	648.7	22.11	30.334		
5,900.0	5,841.1	5,853.8	5,846.6	17.0	11.3	159.59	267.7	-45.1	673.3	650.9	22.46	29.975		
6,000.0	5,941.1	5,951.0	5,943.7	17.1	11.4	159.50	269.4	-45.6	674.7	651.9	22.78	29.612		
6,100.0	6,041.1	6,049.3	6,042.1	17.2	11.6	90.03	269.7	-45.6	674.9	651.8	23.09	29.224		
6,200.0	6,141.1	6,149.3	6,142.1	17.3	11.7	90.03	269.7	-45.6	674.9	651.5	23.41	28.825		
6,300.0	6,241.1	6,249.3	6,242.1	17.4	11.9	90.03	269.7	-45.6	674.9	651.1	23.73	28.436		
6,400.0	6,341.1	6,349.3	6,342.1	17.5	12.0	90.03	269.7	-45.6	674.9	650.8	24.05	28.057		
6,500.0	6,441.0	6,449.3	6,442.0	17.6	12.2	-89.97	266.5	-45.6	674.9	650.6	24.30	27.769		
6,600.0	6,539.0	6,549.3	6,539.9	17.6	12.2	-89.97	247.5	-45.6	674.9	650.5	24.33	27.734		
6,700.0	6,632.3	6,649.2	6,633.1	17.6	12.1	-89.97	211.7	-45.6	674.9	650.7	24.22	27.861		
6,800.0	6,717.9	6,749.1	6,718.7	17.5	12.1	-89.98	160.3	-45.6	674.9	650.8	24.08	28.028		
6,900.0	6,793.2	6,849.1	6,794.1	17.5	12.0	-89.98	94.8	-45.6	674.9	650.8	24.03	28.080		
7,000.0	6,856.1	6,949.1	6,856.9	17.6	12.1	-89.98	17.3	-45.6	674.9	650.6	24.23	27.851		
7,100.0	6,904.5	7,049.0	6,905.4	17.8	12.4	-89.99	-70.0	-45.6	674.9	650.1	24.79	27.222		
7,200.0	6,937.0	7,149.0	6,937.9	18.1	12.9	-89.99	-164.4	-45.6	674.9	649.1	25.78	26.178		
7,300.0	6,952.6	7,249.0	6,953.6	18.6	13.6	-90.00	-263.1	-45.6	674.9	647.7	27.20	24.815		
7,400.0	6,954.0	7,349.0	6,955.0	19.3	14.5	-90.00	-363.0	-45.6	674.9	645.9	28.99	23.276		
7,500.0	6,954.0	7,449.0	6,955.0	20.0	15.6	-90.00	-463.0	-45.6	674.9	643.8	31.07	21.724		
7,600.0	6,954.0	7,549.0	6,955.0	20.9	16.7	-90.00	-563.0	-45.6	674.9	641.5	33.38	20.218		
7,700.0	6,954.0	7,649.0	6,955.0	22.0	18.0	-90.00	-663.0	-45.6	674.9	639.0	35.89	18.805		
7,800.0	6,954.0	7,749.0	6,955.0	23.1	19.3	-90.00	-763.0	-45.6	674.9	636.3	38.55	17.505		
7,900.0	6,954.0	7,849.0	6,955.0	24.2	20.7	-90.00	-863.0	-45.6	674.9	633.5	41.34	16.324		
8,000.0	6,954.0	7,949.0	6,955.0	25.5	22.1	-90.00	-963.0	-45.6	674.9	630.6	44.24	15.256		
8,100.0	6,954.0	8,049.0	6,955.0	26.8	23.6	-90.00	-1,063.0	-45.6	674.9	627.7	47.21	14.294		
8,200.0	6,954.0	8,149.0	6,955.0	28.1	25.1	-90.00	-1,163.0	-45.6	674.9	624.6	50.26	13.428		
8,300.0	6,954.0	8,249.0	6,955.0	29.5	26.7	-90.00	-1,263.0	-45.6	674.9	621.5	53.36	12.647		
8,400.0	6,954.0	8,349.0	6,955.0	31.0	28.3	-90.00	-1,363.0	-45.6	674.9	618.4	56.51	11.942		
8,500.0	6,954.0	8,449.0	6,955.0	32.4	29.9	-90.00	-1,463.0	-45.6	674.9	615.2	59.70	11.304		
8,600.0	6,954.0	8,549.0	6,955.0	33.9	31.5	-90.00	-1,563.0	-45.6	674.9	611.9	62.92	10.725		
8,700.0	6,954.0	8,649.0	6,955.0	35.4	33.1	-90.00	-1,663.0	-45.6	674.9	608.7	66.18	10.198		
8,800.0	6,954.0	8,749.0	6,955.0	37.0	34.7	-90.00	-1,763.0	-45.6	674.9	605.4	69.45	9.717		
8,900.0	6,954.0	8,849.0	6,955.0	38.5	36.4	-90.00	-1,863.0	-45.6	674.9	602.1	72.75	9.276		
9,000.0	6,954.0	8,949.0	6,955.0	40.1	38.0	-90.00	-1,963.0	-45.6	674.9	598.8	76.07	8.871		
9,100.0	6,954.0	9,049.0	6,955.0	41.7	39.7	-90.00	-2,063.0	-45.6	674.9	595.5	79.41	8.499		
9,200.0	6,954.0	9,149.0	6,955.0	43.3	41.4	-90.00	-2,163.0	-45.6	674.9	592.1	82.75	8.155		
9,300.0	6,954.0	9,249.0	6,955.0	44.9	43.1	-90.00	-2,263.0	-45.6	674.9	588.7	86.12	7.837		
9,400.0	6,954.0	9,349.0	6,955.0	46.5	44.7	-90.00	-2,363.0	-45.6	674.9	585.4	89.49	7.541		
9,500.0	6,954.0	9,449.0	6,955.0	48.1	46.4	-90.00	-2,463.0	-45.6	674.9	582.0	92.87	7.267		
9,600.0	6,954.0	9,549.0	6,955.0	49.8	48.1	-90.00	-2,563.0	-45.6	674.9	578.6	96.26	7.011		
9,700.0	6,954.0	9,649.0	6,955.0	51.4	49.8	-90.00	-2,663.0	-45.6	674.9	575.2	99.66	6.772		
9,800.0	6,954.0	9,749.0	6,955.0	53.1	51.5	-90.00	-2,763.0	-45.6	674.9	571.8	103.07	6.548		
9,900.0	6,954.0	9,849.0	6,955.0	54.7	53.2	-90.00	-2,863.0	-45.6	674.9	568.4	106.48	6.338		
10,000.0	6,954.0	9,949.0	6,955.0	56.4	55.0	-90.00	-2,963.0	-45.6	674.9	565.0	109.90	6.141		
10,100.0	6,954.0	10,049.0	6,955.0	58.1	56.7	-90.00	-3,063.0	-45.6	674.9	561.5	113.33	5.955		
10,200.0	6,954.0	10,149.0	6,955.0	59.7	58.4	-90.00	-3,163.0	-45.6	674.9	558.1	116.76	5.780		
10,300.0	6,954.0	10,249.0	6,955.0	61.4	60.1	-90.00	-3,263.0	-45.6	674.9	554.7	120.19	5.615		

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

Offset Design S32-T2N-R64W (Newman) - Newman 2H-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	6,954.0	10,349.0	6,955.0	63.1	61.8	-90.00	-3,363.0	-45.6	674.9	551.2	123.63	5.459		
10,500.0	6,954.0	10,449.0	6,955.0	64.8	63.5	-90.00	-3,463.0	-45.6	674.9	547.8	127.07	5.311		
10,600.0	6,954.0	10,549.0	6,955.0	66.5	65.3	-90.00	-3,563.0	-45.6	674.9	544.3	130.52	5.171		
10,700.0	6,954.0	10,649.0	6,955.0	68.2	67.0	-90.00	-3,663.0	-45.6	674.9	540.9	133.97	5.038		
10,800.0	6,954.0	10,749.0	6,955.0	69.9	68.7	-90.00	-3,763.0	-45.6	674.9	537.4	137.42	4.911		
10,900.0	6,954.0	10,849.0	6,955.0	71.6	70.4	-90.00	-3,863.0	-45.6	674.9	534.0	140.87	4.791		
11,000.0	6,954.0	10,949.0	6,955.0	73.3	72.2	-90.00	-3,963.0	-45.6	674.9	530.5	144.33	4.676		
11,100.0	6,954.0	11,049.0	6,955.0	75.0	73.9	-90.00	-4,063.0	-45.6	674.9	527.1	147.79	4.566		
11,200.0	6,954.0	11,149.0	6,955.0	76.7	75.6	-90.00	-4,163.0	-45.6	674.9	523.6	151.25	4.462		
11,300.0	6,954.0	11,249.0	6,955.0	78.4	77.4	-90.00	-4,263.0	-45.6	674.9	520.1	154.72	4.362		
11,400.0	6,954.0	11,349.0	6,955.0	80.1	79.1	-90.00	-4,363.0	-45.6	674.9	516.7	158.18	4.266		
11,500.0	6,954.0	11,449.0	6,955.0	81.8	80.8	-90.00	-4,463.0	-45.6	674.9	513.2	161.65	4.175		
11,586.8	6,954.0	11,535.8	6,955.0	83.3	82.3	-90.00	-4,549.8	-45.6	674.9	510.2	164.66	4.098 SF		

# Anticollision Report

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

Offset Design S32-T2N-R64W (Newman) - Newman 2I-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							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	2.0	2.0	0.0	0.0	90.67	-0.4	29.9	29.9					
100.0	100.0	102.0	102.0	0.1	0.1	90.67	-0.4	29.9	29.9	29.7	0.25	120.781		
200.0	200.0	202.0	202.0	0.3	0.3	90.67	-0.4	29.9	29.9	29.3	0.60	50.149		
300.0	300.0	302.0	302.0	0.5	0.5	90.67	-0.4	29.9	29.9	29.0	0.95	31.644		
366.0	366.0	368.0	368.0	0.6	0.6	90.67	-0.4	29.9	29.9	28.8	1.18	25.447 CC		
400.0	400.0	402.0	402.0	0.6	0.6	90.67	-0.4	29.9	29.9	28.6	1.30	23.115 ES		
500.0	500.0	501.7	501.7	0.8	0.8	159.21	0.4	30.4	31.2	29.5	1.64	18.971		
600.0	600.0	601.4	601.3	1.0	1.0	156.94	2.7	31.6	35.0	33.0	2.00	17.519		
700.0	699.9	700.8	700.6	1.2	1.2	154.11	6.6	33.8	41.3	39.0	2.35	17.569		
800.0	799.7	800.2	799.9	1.4	1.4	151.69	11.6	36.5	50.1	47.4	2.71	18.464		
900.0	899.4	899.7	899.2	1.6	1.6	150.72	16.6	39.4	60.5	57.4	3.08	19.652		
1,000.0	998.9	999.0	998.3	1.8	1.8	150.71	21.7	42.2	72.4	69.0	3.45	21.003		
1,100.0	1,098.3	1,098.1	1,097.2	2.1	2.0	151.24	26.8	45.0	85.8	82.0	3.82	22.465		
1,200.0	1,197.4	1,196.9	1,195.9	2.3	2.2	152.09	31.9	47.8	100.8	96.6	4.20	24.014		
1,300.0	1,296.3	1,295.5	1,294.4	2.6	2.3	153.09	36.9	50.6	117.3	112.8	4.58	25.633		
1,400.0	1,395.0	1,393.9	1,392.6	2.9	2.5	154.13	41.9	53.4	135.1	130.2	4.96	27.241		
1,500.0	1,493.7	1,492.2	1,490.8	3.2	2.7	154.97	47.0	56.2	153.1	147.7	5.35	28.632		
1,600.0	1,592.3	1,590.6	1,588.9	3.5	2.9	155.64	52.0	59.0	171.1	165.3	5.73	29.837		
1,700.0	1,691.0	1,689.0	1,687.1	3.9	3.1	156.18	57.1	61.8	189.0	182.9	6.12	30.891		
1,800.0	1,789.6	1,787.3	1,785.3	4.2	3.3	156.63	62.1	64.6	207.0	200.5	6.51	31.821		
1,900.0	1,888.3	1,885.7	1,883.5	4.5	3.5	157.00	67.1	67.3	225.1	218.2	6.89	32.646		
2,000.0	1,987.0	1,984.0	1,981.7	4.8	3.7	157.32	72.2	70.1	243.1	235.8	7.28	33.384		
2,100.0	2,085.6	2,082.4	2,079.9	5.2	3.9	157.60	77.2	72.9	261.1	253.4	7.67	34.047		
2,200.0	2,184.3	2,180.7	2,178.1	5.5	4.1	157.84	82.2	75.7	279.1	271.1	8.06	34.647		
2,300.0	2,283.0	2,279.1	2,276.2	5.8	4.3	158.05	87.3	78.5	297.2	288.7	8.44	35.191		
2,400.0	2,381.6	2,377.4	2,374.4	6.1	4.5	158.23	92.3	81.3	315.2	306.4	8.83	35.688		
2,500.0	2,480.3	2,475.8	2,472.6	6.5	4.7	158.40	97.3	84.1	333.2	324.0	9.22	36.142		
2,600.0	2,579.0	2,574.1	2,570.8	6.8	4.9	158.55	102.4	86.9	351.3	341.7	9.61	36.560		
2,700.0	2,677.6	2,672.5	2,669.0	7.1	5.1	158.68	107.4	89.7	369.3	359.3	10.00	36.945		
2,800.0	2,776.3	2,770.9	2,767.2	7.5	5.3	158.81	112.4	92.5	387.4	377.0	10.39	37.302		
2,900.0	2,875.0	2,869.2	2,865.4	7.8	5.5	158.92	117.5	95.3	405.4	394.7	10.77	37.632		
3,000.0	2,973.6	2,967.6	2,963.5	8.1	5.7	159.02	122.5	98.1	423.5	412.3	11.16	37.940		
3,100.0	3,072.3	3,065.9	3,061.7	8.5	5.9	159.11	127.6	100.8	441.5	430.0	11.55	38.227		
3,200.0	3,170.9	3,164.3	3,159.9	8.8	6.1	159.20	132.6	103.6	459.6	447.6	11.94	38.495		
3,300.0	3,269.6	3,262.6	3,258.1	9.1	6.3	159.28	137.6	106.4	477.6	465.3	12.33	38.746		
3,400.0	3,368.3	3,361.0	3,356.3	9.5	6.5	159.35	142.7	109.2	495.7	483.0	12.72	38.982		
3,500.0	3,466.9	3,459.3	3,454.5	9.8	6.7	159.42	147.7	112.0	513.7	500.6	13.10	39.203		
3,600.0	3,565.6	3,557.7	3,552.7	10.1	6.9	159.48	152.7	114.8	531.8	518.3	13.49	39.412		
3,700.0	3,664.3	3,656.1	3,650.8	10.5	7.1	159.54	157.8	117.6	549.9	536.0	13.88	39.609		
3,800.0	3,762.9	3,754.4	3,749.0	10.8	7.3	159.60	162.8	120.4	567.9	553.6	14.27	39.796		
3,900.0	3,861.6	3,852.8	3,847.2	11.1	7.5	159.65	167.8	123.2	586.0	571.3	14.66	39.972		
4,000.0	3,960.3	3,951.1	3,945.4	11.5	7.7	159.70	172.9	126.0	604.0	589.0	15.05	40.140		
4,100.0	4,058.9	4,049.5	4,043.6	11.8	7.9	159.75	177.9	128.8	622.1	606.7	15.44	40.299		
4,200.0	4,157.6	4,147.8	4,141.8	12.1	8.1	159.79	183.0	131.6	640.1	624.3	15.83	40.450		
4,300.0	4,256.3	4,246.2	4,240.0	12.5	8.3	159.83	188.0	134.4	658.2	642.0	16.21	40.593		
4,400.0	4,354.9	4,344.5	4,338.2	12.8	8.5	159.87	193.0	137.1	676.3	659.7	16.60	40.730		
4,500.0	4,453.6	4,442.9	4,436.3	13.1	8.7	159.91	198.1	139.9	694.3	677.3	16.99	40.861		
4,600.0	4,552.2	4,541.2	4,534.5	13.5	8.9	159.95	203.1	142.7	712.4	695.0	17.38	40.986		
4,700.0	4,650.9	4,639.6	4,632.7	13.8	9.1	159.98	208.1	145.5	730.4	712.7	17.77	41.105		
4,800.0	4,749.6	4,738.0	4,730.9	14.1	9.3	160.01	213.2	148.3	748.5	730.3	18.16	41.220		
4,900.0	4,848.2	4,836.3	4,829.1	14.5	9.5	160.04	218.2	151.1	766.6	748.0	18.55	41.329		
5,000.0	4,946.9	4,934.7	4,927.3	14.8	9.7	160.07	223.2	153.9	784.6	765.7	18.94	41.434		

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

Offset Design S32-T2N-R64W (Newman) - Newman 2I-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,045.6	5,033.0	5,025.5	15.2	9.9	160.10	228.3	156.7	802.7	783.4	19.33	41.535		
5,200.0	5,144.3	5,131.5	5,123.7	15.5	10.1	160.16	233.3	159.5	820.2	800.5	19.73	41.581		
5,300.0	5,243.3	5,230.2	5,222.3	15.8	10.3	160.19	238.4	162.3	836.2	816.1	20.13	41.547		
5,400.0	5,342.6	5,329.1	5,321.1	16.0	10.5	160.17	243.4	165.1	850.6	830.1	20.52	41.443		
5,500.0	5,442.0	5,428.3	5,420.1	16.3	10.7	160.11	248.5	167.9	863.3	842.4	20.92	41.272		
5,600.0	5,541.6	5,527.7	5,519.3	16.5	10.9	160.01	253.6	170.7	874.4	853.1	21.31	41.040		
5,700.0	5,641.3	5,627.2	5,618.6	16.7	11.1	159.86	258.7	173.6	883.9	862.2	21.69	40.748		
5,800.0	5,741.2	5,731.1	5,722.4	16.8	11.3	159.69	263.8	176.4	891.6	869.6	22.08	40.391		
5,900.0	5,841.1	5,839.1	5,830.3	17.0	11.5	159.56	267.4	178.4	896.9	874.5	22.44	39.970		
6,000.0	5,941.1	5,947.3	5,938.4	17.1	11.6	159.49	269.4	179.5	899.7	876.9	22.78	39.495		
6,100.0	6,041.1	6,052.0	6,043.1	17.2	11.8	90.02	269.6	179.6	900.1	877.0	23.10	38.965		
6,200.0	6,141.1	6,152.0	6,143.1	17.3	12.0	90.02	269.6	179.6	900.1	876.7	23.42	38.434		
6,300.0	6,241.1	6,252.0	6,243.1	17.4	12.1	90.02	269.6	179.6	900.1	876.4	23.74	37.915		
6,400.0	6,341.1	6,352.0	6,343.1	17.5	12.3	90.02	269.6	179.6	900.1	876.1	24.06	37.409		
6,449.3	6,390.4	6,401.2	6,392.4	17.6	12.4	-90.06	269.6	179.6	900.1	875.9	24.21	37.183		
6,500.0	6,441.0	6,451.8	6,443.0	17.6	12.4	-90.18	269.6	179.6	900.1	875.8	24.36	36.950		
6,600.0	6,539.0	6,549.9	6,541.0	17.6	12.6	-91.34	269.6	179.6	900.4	875.8	24.61	36.594		
6,700.0	6,632.3	6,646.5	6,637.6	17.6	12.7	-93.33	268.7	179.6	901.9	877.1	24.78	36.403		
6,800.0	6,717.9	6,753.1	6,742.9	17.5	12.8	-95.58	252.6	179.6	905.1	880.3	24.77	36.545		
6,900.0	6,793.2	6,869.3	6,852.0	17.5	12.7	-97.78	213.2	179.6	909.6	885.0	24.62	36.952		
7,000.0	6,856.1	6,996.7	6,959.8	17.6	12.6	-99.84	145.8	179.6	914.9	890.4	24.47	37.382		
7,100.0	6,904.5	7,136.4	7,057.7	17.8	12.7	-101.65	46.7	179.6	920.2	895.6	24.61	37.395		
7,200.0	6,937.0	7,287.7	7,133.3	18.1	13.1	-103.01	-83.8	179.6	924.4	899.0	25.34	36.475		
7,300.0	6,952.6	7,447.4	7,173.3	18.6	14.0	-103.73	-237.9	179.6	926.6	899.7	26.94	34.402		
7,400.0	6,954.0	7,572.6	7,177.0	19.3	15.0	-103.79	-363.0	179.6	926.9	898.0	28.89	32.083		
7,500.0	6,954.0	7,672.6	7,177.0	20.0	16.0	-103.79	-463.0	179.6	926.9	896.0	30.88	30.016		
7,600.0	6,954.0	7,772.6	7,177.0	20.9	17.2	-103.79	-563.0	179.6	926.9	893.8	33.10	28.004		
7,700.0	6,954.0	7,872.6	7,177.0	22.0	18.4	-103.79	-663.0	179.6	926.9	891.3	35.51	26.104		
7,800.0	6,954.0	7,972.6	7,177.0	23.1	19.7	-103.79	-763.0	179.6	926.9	888.8	38.07	24.348		
7,900.0	6,954.0	8,072.6	7,177.0	24.2	21.1	-103.79	-863.0	179.6	926.9	886.1	40.75	22.743		
8,000.0	6,954.0	8,172.6	7,177.0	25.5	22.5	-103.79	-963.0	179.6	926.9	883.3	43.54	21.288		
8,100.0	6,954.0	8,272.6	7,177.0	26.8	24.0	-103.79	-1,063.0	179.6	926.9	880.4	46.41	19.971		
8,200.0	6,954.0	8,372.6	7,177.0	28.1	25.5	-103.79	-1,163.0	179.6	926.8	877.5	49.35	18.782		
8,300.0	6,954.0	8,472.6	7,177.0	29.5	27.0	-103.79	-1,263.0	179.6	926.8	874.5	52.34	17.707		
8,400.0	6,954.0	8,572.6	7,177.0	31.0	28.6	-103.79	-1,363.0	179.6	926.8	871.5	55.39	16.734		
8,500.0	6,954.0	8,672.6	7,177.0	32.4	30.1	-103.79	-1,463.0	179.6	926.8	868.4	58.47	15.851		
8,600.0	6,954.0	8,772.6	7,177.0	33.9	31.7	-103.79	-1,563.0	179.6	926.8	865.3	61.59	15.049		
8,700.0	6,954.0	8,872.6	7,177.0	35.4	33.3	-103.79	-1,663.0	179.6	926.8	862.1	64.74	14.317		
8,800.0	6,954.0	8,972.6	7,177.0	37.0	35.0	-103.79	-1,763.0	179.6	926.8	858.9	67.91	13.648		
8,900.0	6,954.0	9,072.6	7,177.0	38.5	36.6	-103.79	-1,863.0	179.6	926.8	855.7	71.10	13.035		
9,000.0	6,954.0	9,172.6	7,177.0	40.1	38.3	-103.79	-1,963.0	179.6	926.8	852.5	74.32	12.472		
9,100.0	6,954.0	9,272.6	7,177.0	41.7	39.9	-103.79	-2,063.0	179.6	926.8	849.3	77.55	11.952		
9,200.0	6,954.0	9,372.6	7,177.0	43.3	41.6	-103.79	-2,163.0	179.6	926.8	846.0	80.79	11.472		
9,300.0	6,954.0	9,472.6	7,177.0	44.9	43.3	-103.79	-2,263.0	179.6	926.8	842.8	84.05	11.027		
9,400.0	6,954.0	9,572.6	7,177.0	46.5	44.9	-103.79	-2,363.0	179.6	926.8	839.5	87.32	10.615		
9,500.0	6,954.0	9,672.6	7,177.0	48.1	46.6	-103.79	-2,463.0	179.6	926.8	836.2	90.60	10.230		
9,600.0	6,954.0	9,772.6	7,177.0	49.8	48.3	-103.79	-2,563.0	179.6	926.8	832.9	93.89	9.872		
9,700.0	6,954.0	9,872.6	7,177.0	51.4	50.0	-103.79	-2,663.0	179.6	926.8	829.7	97.18	9.537		
9,800.0	6,954.0	9,972.6	7,177.0	53.1	51.7	-103.79	-2,763.0	179.6	926.8	826.3	100.49	9.223		
9,900.0	6,954.0	10,072.6	7,177.0	54.7	53.4	-103.79	-2,863.0	179.6	926.8	823.0	103.80	8.929		
10,000.0	6,954.0	10,172.6	7,177.0	56.4	55.1	-103.79	-2,963.0	179.6	926.8	819.7	107.11	8.653		
10,100.0	6,954.0	10,272.6	7,177.0	58.1	56.8	-103.79	-3,063.0	179.6	926.8	816.4	110.44	8.392		

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

Offset Design												S32-T2N-R64W (Newman) - Newman 2I-32H-C264 - HZ - Plan #1		Offset Site Error:		0.0 ft	
Survey Program:												0-Geolink MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
10,200.0	6,954.0	10,372.6	7,177.0	59.7	58.5	-103.79	-3,163.0	179.6	926.8	813.1	113.76	8.147					
10,300.0	6,954.0	10,472.6	7,177.0	61.4	60.3	-103.79	-3,263.0	179.6	926.8	809.7	117.10	7.915					
10,400.0	6,954.0	10,572.6	7,177.0	63.1	62.0	-103.79	-3,363.0	179.6	926.8	806.4	120.43	7.696					
10,500.0	6,954.0	10,672.6	7,177.0	64.8	63.7	-103.79	-3,463.0	179.6	926.8	803.1	123.77	7.488					
10,600.0	6,954.0	10,772.6	7,177.0	66.5	65.4	-103.79	-3,563.0	179.6	926.8	799.7	127.12	7.291					
10,700.0	6,954.0	10,872.6	7,177.0	68.2	67.1	-103.80	-3,663.0	179.6	926.8	796.4	130.46	7.104					
10,800.0	6,954.0	10,972.6	7,177.0	69.9	68.8	-103.80	-3,763.0	179.6	926.8	793.0	133.82	6.926					
10,900.0	6,954.0	11,072.6	7,177.0	71.6	70.6	-103.80	-3,863.0	179.6	926.8	789.7	137.17	6.757					
11,000.0	6,954.0	11,172.6	7,177.0	73.3	72.3	-103.80	-3,963.0	179.6	926.8	786.3	140.52	6.595					
11,100.0	6,954.0	11,272.6	7,177.0	75.0	74.0	-103.80	-4,063.0	179.6	926.8	782.9	143.88	6.442					
11,200.0	6,954.0	11,372.6	7,177.0	76.7	75.8	-103.80	-4,163.0	179.6	926.8	779.6	147.24	6.294					
11,300.0	6,954.0	11,472.6	7,177.0	78.4	77.5	-103.80	-4,263.0	179.6	926.8	776.2	150.61	6.154					
11,400.0	6,954.0	11,572.6	7,177.0	80.1	79.2	-103.80	-4,363.0	179.6	926.8	772.8	153.97	6.019					
11,500.0	6,954.0	11,672.6	7,177.0	81.8	80.9	-103.80	-4,463.0	179.6	926.8	769.5	157.34	5.891					
11,586.8	6,954.0	11,759.4	7,177.0	83.3	82.5	-103.80	-4,549.8	179.6	926.8	766.6	160.26	5.783 SF					

# Anticollision Report

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

Offset Design S32-T2N-R64W (Newman) - Newman 2J-32H-C264 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	2.0	2.0	0.0	0.0	90.56	-0.4	37.5	37.5					
100.0	100.0	102.0	102.0	0.1	0.1	90.56	-0.4	37.5	37.5	37.2	0.25	151.255		
200.0	200.0	202.0	202.0	0.3	0.3	90.56	-0.4	37.5	37.5	36.9	0.60	62.802		
300.0	300.0	302.0	302.0	0.5	0.5	90.56	-0.4	37.5	37.5	36.5	0.95	39.628		
330.7	330.7	332.7	332.7	0.5	0.5	90.56	-0.4	37.5	37.5	36.4	1.05	35.600 CC		
400.0	400.0	401.7	401.7	0.6	0.6	90.34	-0.2	37.7	37.7	36.4	1.29	29.101 ES		
500.0	500.0	501.2	501.1	0.8	0.8	158.71	0.8	39.1	39.9	38.3	1.64	24.295		
600.0	600.0	600.4	600.3	1.0	1.0	157.32	2.9	41.9	45.2	43.2	1.99	22.690 SF		
700.0	699.9	699.3	699.1	1.2	1.2	155.95	5.9	46.1	53.6	51.2	2.34	22.848		
800.0	799.7	797.8	797.4	1.4	1.4	154.78	10.0	51.6	65.0	62.3	2.70	24.066		
900.0	899.4	896.2	895.4	1.6	1.6	153.90	15.0	58.3	79.3	76.3	3.06	25.918		
1,000.0	998.9	994.9	993.7	1.8	1.8	153.64	20.1	65.3	95.4	92.0	3.42	27.874		
1,100.0	1,098.3	1,093.3	1,091.7	2.1	2.0	153.82	25.3	72.3	113.1	109.3	3.79	29.833		
1,200.0	1,197.4	1,191.4	1,189.4	2.3	2.3	154.27	30.4	79.3	132.4	128.2	4.16	31.790		
1,300.0	1,296.3	1,289.2	1,286.9	2.6	2.5	154.86	35.5	86.3	153.1	148.6	4.54	33.748		
1,400.0	1,395.0	1,386.7	1,384.0	2.9	2.7	155.54	40.6	93.2	175.2	170.3	4.92	35.626		
1,500.0	1,493.7	1,484.2	1,481.1	3.2	2.9	156.11	45.7	100.1	197.4	192.1	5.30	37.233		
1,600.0	1,592.3	1,581.7	1,578.2	3.5	3.1	156.56	50.8	107.1	219.5	213.9	5.68	38.620		
1,700.0	1,691.0	1,679.2	1,675.3	3.9	3.4	156.93	55.9	114.0	241.7	235.7	6.07	39.828		
1,800.0	1,789.6	1,776.7	1,772.5	4.2	3.6	157.24	61.0	120.9	264.0	257.5	6.46	40.890		
1,900.0	1,888.3	1,874.2	1,869.6	4.5	3.8	157.50	66.1	127.9	286.2	279.3	6.84	41.831		
2,000.0	1,987.0	1,971.7	1,966.7	4.8	4.0	157.72	71.2	134.8	308.4	301.2	7.23	42.669		
2,100.0	2,085.6	2,069.2	2,063.8	5.2	4.3	157.92	76.3	141.7	330.6	323.0	7.61	43.421		
2,200.0	2,184.3	2,166.7	2,160.9	5.5	4.5	158.09	81.4	148.7	352.8	344.8	8.00	44.099		
2,300.0	2,283.0	2,264.2	2,258.0	5.8	4.7	158.23	86.5	155.6	375.1	366.7	8.39	44.713		
2,400.0	2,381.6	2,361.7	2,355.1	6.1	4.9	158.37	91.6	162.5	397.3	388.5	8.78	45.273		
2,500.0	2,480.3	2,459.2	2,452.3	6.5	5.2	158.48	96.7	169.4	419.5	410.4	9.16	45.784		
2,600.0	2,579.0	2,556.7	2,549.4	6.8	5.4	158.59	101.8	176.4	441.8	432.2	9.55	46.253		
2,700.0	2,677.6	2,654.2	2,646.5	7.1	5.6	158.69	106.9	183.3	464.0	454.1	9.94	46.685		
2,800.0	2,776.3	2,751.6	2,743.6	7.5	5.8	158.77	112.0	190.2	486.2	475.9	10.33	47.085		
2,900.0	2,875.0	2,849.1	2,840.7	7.8	6.1	158.85	117.1	197.2	508.5	497.8	10.71	47.455		
3,000.0	2,973.6	2,946.6	2,937.8	8.1	6.3	158.93	122.2	204.1	530.7	519.6	11.10	47.798		
3,100.0	3,072.3	3,044.1	3,034.9	8.5	6.5	158.99	127.3	211.0	552.9	541.5	11.49	48.118		
3,200.0	3,170.9	3,141.6	3,132.0	8.8	6.7	159.06	132.4	218.0	575.2	563.3	11.88	48.417		
3,300.0	3,269.6	3,239.1	3,229.2	9.1	7.0	159.11	137.5	224.9	597.4	585.2	12.27	48.697		
3,400.0	3,368.3	3,336.6	3,326.3	9.5	7.2	159.17	142.6	231.8	619.7	607.0	12.66	48.960		
3,500.0	3,466.9	3,434.1	3,423.4	9.8	7.4	159.22	147.7	238.8	641.9	628.9	13.05	49.206		
3,600.0	3,565.6	3,531.6	3,520.5	10.1	7.6	159.26	152.8	245.7	664.1	650.7	13.43	49.438		
3,700.0	3,664.3	3,629.1	3,617.6	10.5	7.9	159.31	157.9	252.6	686.4	672.6	13.82	49.657		
3,800.0	3,762.9	3,726.6	3,714.7	10.8	8.1	159.35	163.0	259.6	708.6	694.4	14.21	49.864		
3,900.0	3,861.6	3,824.1	3,811.8	11.1	8.3	159.38	168.1	266.5	730.9	716.3	14.60	50.060		
4,000.0	3,960.3	3,921.6	3,909.0	11.5	8.6	159.42	173.2	273.4	753.1	738.1	14.99	50.245		
4,100.0	4,058.9	4,019.1	4,006.1	11.8	8.8	159.45	178.3	280.4	775.4	760.0	15.38	50.421		
4,200.0	4,157.6	4,116.6	4,103.2	12.1	9.0	159.49	183.4	287.3	797.6	781.8	15.77	50.589		
4,300.0	4,256.3	4,214.1	4,200.3	12.5	9.2	159.52	188.5	294.2	819.8	803.7	16.16	50.748		
4,400.0	4,354.9	4,311.5	4,297.4	12.8	9.5	159.54	193.6	301.1	842.1	825.5	16.54	50.899		
4,500.0	4,453.6	4,409.0	4,394.5	13.1	9.7	159.57	198.7	308.1	864.3	847.4	16.93	51.044		
4,600.0	4,552.2	4,506.5	4,491.6	13.5	9.9	159.60	203.8	315.0	886.6	869.3	17.32	51.182		
4,700.0	4,650.9	4,604.0	4,588.7	13.8	10.1	159.62	208.9	321.9	908.8	891.1	17.71	51.314		
4,800.0	4,749.6	4,701.5	4,685.9	14.1	10.4	159.64	213.9	328.9	931.1	913.0	18.10	51.440		
4,900.0	4,848.2	4,799.0	4,783.0	14.5	10.6	159.67	219.0	335.8	953.3	934.8	18.49	51.560		
5,000.0	4,946.9	4,896.5	4,880.1	14.8	10.8	159.69	224.1	342.7	975.6	956.7	18.88	51.676		

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 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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 2J-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	5,045.6	4,994.0	4,977.2	15.2	11.0	159.71	229.2	349.7	997.8	978.5	19.27	51.787	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	2.0	2.0	0.0	0.0	90.48	-0.4	44.8	44.8					
100.0	100.0	102.0	102.0	0.1	0.1	90.48	-0.4	44.8	44.8	44.5	0.25	180.601		
200.0	200.0	202.0	202.0	0.3	0.3	90.48	-0.4	44.8	44.8	44.2	0.60	74.986		
266.0	266.0	268.0	268.0	0.4	0.4	90.48	-0.4	44.8	44.8	43.9	0.83	54.107 CC		
300.0	300.0	302.0	302.0	0.5	0.5	90.48	-0.4	44.8	44.8	43.8	0.95	47.317 ES		
400.0	400.0	401.3	401.3	0.6	0.6	90.00	0.0	45.6	45.6	44.3	1.29	35.207		
500.0	500.0	500.5	500.4	0.8	0.8	158.52	1.1	47.9	48.8	47.1	1.64	29.711		
600.0	600.0	599.4	599.3	1.0	1.0	157.67	2.9	51.9	55.2	53.2	1.99	27.734		
700.0	699.9	698.0	697.7	1.2	1.2	157.00	5.4	57.3	64.8	62.5	2.34	27.700 SF		
800.0	799.7	796.1	795.4	1.4	1.4	156.52	8.6	64.2	77.7	75.0	2.69	28.839		
900.0	899.4	893.4	892.4	1.6	1.6	156.20	12.5	72.6	93.6	90.6	3.05	30.727		
1,000.0	998.9	990.0	988.3	1.8	1.9	155.99	17.0	82.4	112.7	109.3	3.40	33.111		
1,100.0	1,098.3	1,086.6	1,084.1	2.1	2.1	155.89	22.1	93.5	134.7	130.9	3.76	35.779		
1,200.0	1,197.4	1,183.7	1,180.5	2.3	2.4	156.01	27.4	104.9	158.4	154.3	4.13	38.361		
1,300.0	1,296.3	1,280.4	1,276.4	2.6	2.6	156.29	32.6	116.2	183.7	179.2	4.50	40.840		
1,400.0	1,395.0	1,376.8	1,372.0	2.9	2.9	156.71	37.8	127.5	210.3	205.4	4.87	43.144		
1,500.0	1,493.7	1,473.2	1,467.5	3.2	3.2	157.07	43.0	138.7	237.0	231.7	5.25	45.104		
1,600.0	1,592.3	1,569.6	1,563.1	3.5	3.4	157.36	48.2	150.0	263.6	258.0	5.63	46.790		
1,700.0	1,691.0	1,665.9	1,658.7	3.9	3.7	157.60	53.4	161.3	290.3	284.3	6.02	48.255		
1,800.0	1,789.6	1,762.3	1,754.2	4.2	4.0	157.80	58.6	172.6	317.0	310.6	6.40	49.539		
1,900.0	1,888.3	1,858.7	1,849.8	4.5	4.2	157.96	63.8	183.8	343.7	336.9	6.78	50.673		
2,000.0	1,987.0	1,955.0	1,945.4	4.8	4.5	158.11	69.0	195.1	370.4	363.2	7.17	51.682		
2,100.0	2,085.6	2,051.4	2,040.9	5.2	4.8	158.23	74.2	206.4	397.1	389.6	7.55	52.585		
2,200.0	2,184.3	2,147.8	2,136.5	5.5	5.1	158.34	79.4	217.6	423.8	415.9	7.94	53.397		
2,300.0	2,283.0	2,244.1	2,232.1	5.8	5.3	158.43	84.6	228.9	450.5	442.2	8.32	54.133		
2,400.0	2,381.6	2,340.5	2,327.6	6.1	5.6	158.52	89.8	240.2	477.2	468.5	8.71	54.801		
2,500.0	2,480.3	2,436.9	2,423.2	6.5	5.9	158.59	95.1	251.4	503.9	494.8	9.09	55.411		
2,600.0	2,579.0	2,533.2	2,518.7	6.8	6.1	158.66	100.3	262.7	530.6	521.1	9.48	55.971		
2,700.0	2,677.6	2,629.6	2,614.3	7.1	6.4	158.72	105.5	274.0	557.3	547.4	9.87	56.485		
2,800.0	2,776.3	2,726.0	2,709.9	7.5	6.7	158.78	110.7	285.3	584.0	573.8	10.25	56.959		
2,900.0	2,875.0	2,822.3	2,805.4	7.8	7.0	158.83	115.9	296.5	610.7	600.1	10.64	57.399		
3,000.0	2,973.6	2,918.7	2,901.0	8.1	7.2	158.88	121.1	307.8	637.4	626.4	11.03	57.806		
3,100.0	3,072.3	3,015.1	2,996.6	8.5	7.5	158.92	126.3	319.1	664.1	652.7	11.41	58.185		
3,200.0	3,170.9	3,111.4	3,092.1	8.8	7.8	158.96	131.5	330.3	690.8	679.0	11.80	58.539		
3,300.0	3,269.6	3,207.8	3,187.7	9.1	8.1	159.00	136.7	341.6	717.5	705.4	12.19	58.870		
3,400.0	3,368.3	3,304.2	3,283.3	9.5	8.3	159.03	141.9	352.9	744.2	731.7	12.58	59.180		
3,500.0	3,466.9	3,400.5	3,378.8	9.8	8.6	159.06	147.1	364.1	771.0	758.0	12.96	59.471		
3,600.0	3,565.6	3,496.9	3,474.4	10.1	8.9	159.09	152.3	375.4	797.7	784.3	13.35	59.745		
3,700.0	3,664.3	3,593.3	3,570.0	10.5	9.2	159.12	157.5	386.7	824.4	810.6	13.74	60.003		
3,800.0	3,762.9	3,689.7	3,665.5	10.8	9.4	159.14	162.7	398.0	851.1	836.9	14.13	60.247		
3,900.0	3,861.6	3,786.0	3,761.1	11.1	9.7	159.17	167.9	409.2	877.8	863.3	14.51	60.477		
4,000.0	3,960.3	3,882.4	3,856.7	11.5	10.0	159.19	173.1	420.5	904.5	889.6	14.90	60.696		
4,100.0	4,058.9	3,978.8	3,952.2	11.8	10.3	159.21	178.3	431.8	931.2	915.9	15.29	60.903		
4,200.0	4,157.6	4,075.1	4,047.8	12.1	10.5	159.23	183.5	443.0	957.9	942.2	15.68	61.099		
4,300.0	4,256.3	4,171.5	4,143.3	12.5	10.8	159.25	188.7	454.3	984.6	968.5	16.07	61.286		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Newman 2E-32H-C264
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R64W (Newman)	<b>MD Reference:</b>	WELL @ 4983.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Newman 2E-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			
0.0	0.0	2.0	2.0	0.0	0.0	90.77	-0.7	52.3	52.3					
100.0	100.0	102.0	102.0	0.1	0.1	90.77	-0.7	52.3	52.3	52.1	0.25	211.089		
200.0	200.0	202.0	202.0	0.3	0.3	90.77	-0.7	52.3	52.3	51.7	0.60	87.645		
230.6	230.6	232.6	232.6	0.4	0.4	90.77	-0.7	52.3	52.3	51.6	0.70	74.351 CC		
300.0	300.0	301.6	301.6	0.5	0.5	90.69	-0.6	52.5	52.5	51.6	0.95	55.577 ES		
400.0	400.0	400.7	400.6	0.6	0.6	90.08	-0.1	54.2	54.2	52.9	1.29	41.859		
500.0	500.0	500.0	499.9	0.8	0.8	158.72	1.0	57.5	58.3	56.7	1.64	35.541		
600.0	600.0	598.4	598.1	1.0	1.0	158.14	2.7	62.3	65.7	63.8	1.99	33.054		
700.0	699.9	696.6	696.2	1.2	1.2	157.77	4.8	68.8	76.4	74.1	2.34	32.683 SF		
800.0	799.7	794.3	793.5	1.4	1.4	157.59	7.5	76.8	90.3	87.6	2.69	33.600		
900.0	899.4	891.2	889.9	1.6	1.7	157.52	10.7	86.3	107.4	104.3	3.04	35.345		
1,000.0	998.9	987.3	985.2	1.8	1.9	157.53	14.4	97.2	127.6	124.2	3.39	37.646		
1,100.0	1,098.3	1,082.3	1,079.4	2.1	2.2	157.57	18.5	109.5	151.0	147.2	3.74	40.330		
1,200.0	1,197.4	1,176.2	1,172.1	2.3	2.5	157.63	23.1	123.1	177.5	173.4	4.10	43.281		
1,300.0	1,296.3	1,268.9	1,263.5	2.6	2.8	157.68	28.1	137.9	207.0	202.5	4.46	46.422		
1,400.0	1,395.0	1,363.8	1,357.0	2.9	3.1	157.85	33.5	153.8	238.4	233.5	4.83	49.369		
1,500.0	1,493.7	1,458.7	1,450.4	3.2	3.4	158.03	38.8	169.6	269.9	264.7	5.20	51.870		
1,600.0	1,592.3	1,553.6	1,543.8	3.5	3.7	158.17	44.1	185.4	301.4	295.8	5.58	54.018		
1,700.0	1,691.0	1,648.5	1,637.2	3.9	4.1	158.28	49.4	201.3	332.9	327.0	5.96	55.882		
1,800.0	1,789.6	1,743.4	1,730.7	4.2	4.4	158.37	54.8	217.1	364.5	358.1	6.34	57.514		
1,900.0	1,888.3	1,838.3	1,824.1	4.5	4.7	158.45	60.1	232.9	396.0	389.3	6.72	58.954		
2,000.0	1,987.0	1,933.2	1,917.5	4.8	5.0	158.52	65.4	248.8	427.5	420.4	7.10	60.233		
2,100.0	2,085.6	2,028.1	2,010.9	5.2	5.4	158.58	70.8	264.6	459.0	451.6	7.48	61.376		
2,200.0	2,184.3	2,123.0	2,104.3	5.5	5.7	158.63	76.1	280.4	490.6	482.7	7.86	62.404		
2,300.0	2,283.0	2,217.9	2,197.8	5.8	6.0	158.67	81.4	296.3	522.1	513.8	8.24	63.334		
2,400.0	2,381.6	2,312.8	2,291.2	6.1	6.4	158.71	86.7	312.1	553.6	545.0	8.63	64.178		
2,500.0	2,480.3	2,407.7	2,384.6	6.5	6.7	158.75	92.1	327.9	585.1	576.1	9.01	64.947		
2,600.0	2,579.0	2,502.6	2,478.0	6.8	7.1	158.78	97.4	343.8	616.7	607.3	9.39	65.652		
2,700.0	2,677.6	2,597.5	2,571.4	7.1	7.4	158.81	102.7	359.6	648.2	638.4	9.78	66.299		
2,800.0	2,776.3	2,692.4	2,664.9	7.5	7.7	158.83	108.1	375.4	679.7	669.5	10.16	66.896		
2,900.0	2,875.0	2,787.3	2,758.3	7.8	8.1	158.86	113.4	391.3	711.2	700.7	10.54	67.448		
3,000.0	2,973.6	2,882.2	2,851.7	8.1	8.4	158.88	118.7	407.1	742.8	731.8	10.93	67.960		
3,100.0	3,072.3	2,977.1	2,945.1	8.5	8.7	158.90	124.0	422.9	774.3	763.0	11.31	68.436		
3,200.0	3,170.9	3,072.0	3,038.5	8.8	9.1	158.92	129.4	438.8	805.8	794.1	11.70	68.880		
3,300.0	3,269.6	3,166.9	3,131.9	9.1	9.4	158.93	134.7	454.6	837.3	825.3	12.08	69.294		
3,400.0	3,368.3	3,261.8	3,225.4	9.5	9.7	158.95	140.0	470.4	868.9	856.4	12.47	69.683		
3,500.0	3,466.9	3,356.7	3,318.8	9.8	10.1	158.96	145.4	486.3	900.4	887.5	12.85	70.047		
3,600.0	3,565.6	3,451.6	3,412.2	10.1	10.4	158.98	150.7	502.1	931.9	918.7	13.24	70.390		
3,700.0	3,664.3	3,546.5	3,505.6	10.5	10.8	158.99	156.0	517.9	963.4	949.8	13.62	70.713		
3,800.0	3,762.9	3,641.4	3,599.0	10.8	11.1	159.00	161.3	533.7	995.0	981.0	14.01	71.018		

## Anticollision Report

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

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

Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

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

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.60°

