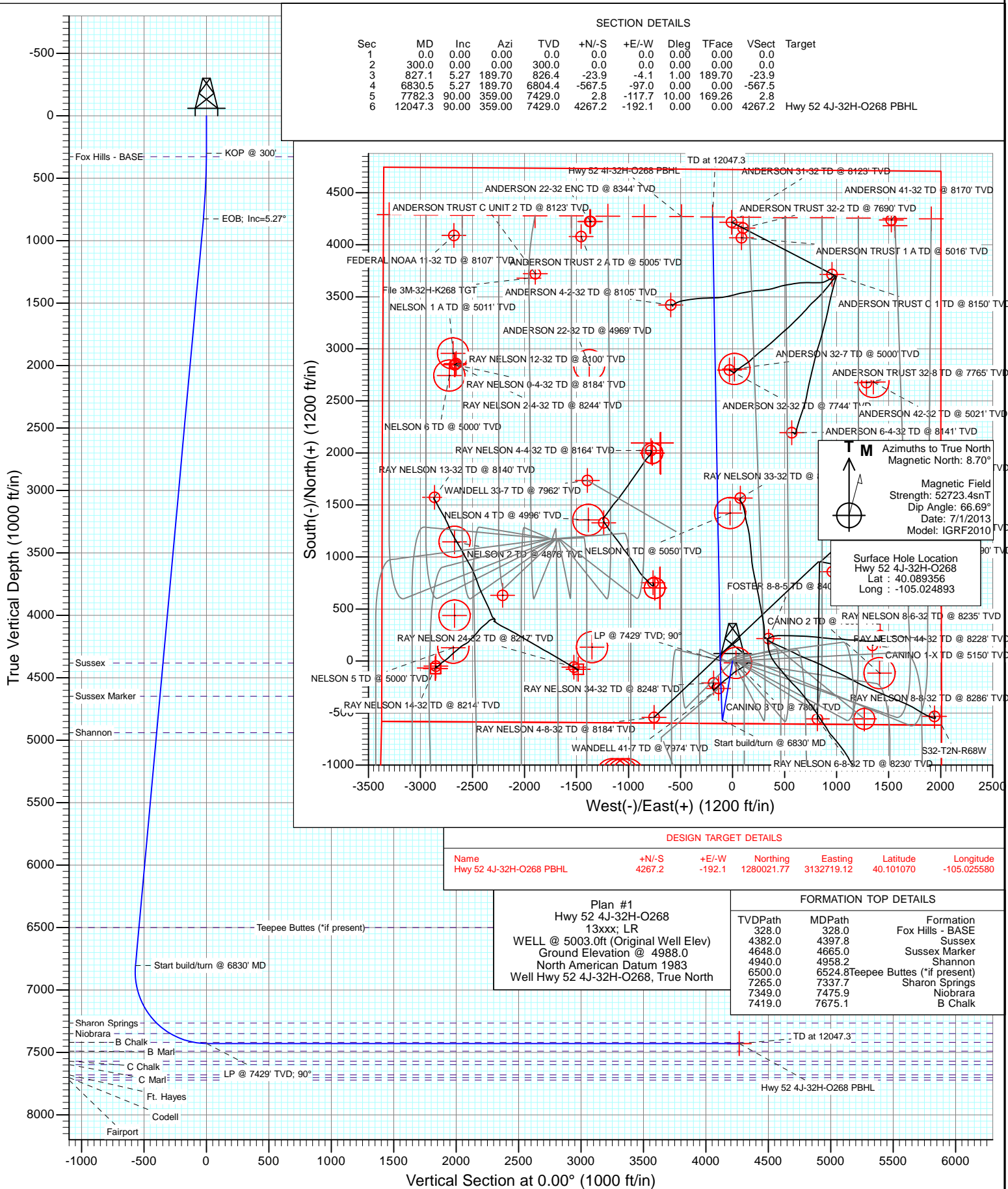




Project: DJ Wattenberg  
Site: S32-T2N-R68W (File/Hwy 52)  
Well: Hwy 52 4J-32H-O268  
Wellbore: Hz  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>North Reference:</b>	True
<b>Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52)			
Site Position:		Northing:	1,275,973.93 ft	Latitude:	40.089950
From:	Lat/Long	Easting:	3,133,277.97 ft	Longitude:	-105.023660
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.31 °

Well	Hwy 52 4J-32H-O268					
Well Position	+N/-S	0.0 ft	Northing:	1,275,755.69 ft	Latitude:	40.089356
	+E/-W	0.0 ft	Easting:	3,132,934.09 ft	Longitude:	-105.024893
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,988.0 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	7/1/2013	8.70	66.69	52,723

<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	0.00

<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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
827.1	5.27	189.70	826.4	-23.9	-4.1	1.00	1.00	0.00	189.70	
6,830.5	5.27	189.70	6,804.4	-567.5	-97.0	0.00	0.00	0.00	0.00	
7,782.3	90.00	359.00	7,429.0	2.8	-117.7	10.00	8.90	17.79	169.26	
12,047.3	90.00	359.00	7,429.0	4,267.2	-192.1	0.00	0.00	0.00	0.00	Hwy 52 4J-32H-O268

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>North Reference:</b>	True
<b>Well:</b>	Hwy 52 4J-32H-O268	<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	KOP @ 300'
328.0	0.28	189.70	328.0	-0.1	0.0	-0.1	1.00	1.00	Fox Hills - BASE
400.0	1.00	189.70	400.0	-0.9	-0.1	-0.9	1.00	1.00	
500.0	2.00	189.70	500.0	-3.4	-0.6	-3.4	1.00	1.00	
600.0	3.00	189.70	599.9	-7.7	-1.3	-7.7	1.00	1.00	
700.0	4.00	189.70	699.7	-13.8	-2.4	-13.8	1.00	1.00	
800.0	5.00	189.70	799.4	-21.5	-3.7	-21.5	1.00	1.00	
827.1	5.27	189.70	826.4	-23.9	-4.1	-23.9	1.00	1.00	EOB; Inc=5.27°
900.0	5.27	189.70	898.9	-30.5	-5.2	-30.5	0.00	0.00	
1,000.0	5.27	189.70	998.5	-39.5	-6.8	-39.5	0.00	0.00	
1,100.0	5.27	189.70	1,098.1	-48.6	-8.3	-48.6	0.00	0.00	
1,200.0	5.27	189.70	1,197.7	-57.7	-9.9	-57.7	0.00	0.00	
1,300.0	5.27	189.70	1,297.3	-66.7	-11.4	-66.7	0.00	0.00	
1,400.0	5.27	189.70	1,396.8	-75.8	-13.0	-75.8	0.00	0.00	
1,500.0	5.27	189.70	1,496.4	-84.8	-14.5	-84.8	0.00	0.00	
1,600.0	5.27	189.70	1,596.0	-93.9	-16.0	-93.9	0.00	0.00	
1,700.0	5.27	189.70	1,695.6	-102.9	-17.6	-102.9	0.00	0.00	
1,800.0	5.27	189.70	1,795.1	-112.0	-19.1	-112.0	0.00	0.00	
1,900.0	5.27	189.70	1,894.7	-121.0	-20.7	-121.0	0.00	0.00	
2,000.0	5.27	189.70	1,994.3	-130.1	-22.2	-130.1	0.00	0.00	
2,100.0	5.27	189.70	2,093.9	-139.2	-23.8	-139.2	0.00	0.00	
2,200.0	5.27	189.70	2,193.5	-148.2	-25.3	-148.2	0.00	0.00	
2,300.0	5.27	189.70	2,293.0	-157.3	-26.9	-157.3	0.00	0.00	
2,400.0	5.27	189.70	2,392.6	-166.3	-28.4	-166.3	0.00	0.00	
2,500.0	5.27	189.70	2,492.2	-175.4	-30.0	-175.4	0.00	0.00	
2,600.0	5.27	189.70	2,591.8	-184.4	-31.5	-184.4	0.00	0.00	
2,700.0	5.27	189.70	2,691.3	-193.5	-33.1	-193.5	0.00	0.00	
2,800.0	5.27	189.70	2,790.9	-202.5	-34.6	-202.5	0.00	0.00	
2,900.0	5.27	189.70	2,890.5	-211.6	-36.2	-211.6	0.00	0.00	
3,000.0	5.27	189.70	2,990.1	-220.7	-37.7	-220.7	0.00	0.00	
3,100.0	5.27	189.70	3,089.6	-229.7	-39.3	-229.7	0.00	0.00	
3,200.0	5.27	189.70	3,189.2	-238.8	-40.8	-238.8	0.00	0.00	
3,300.0	5.27	189.70	3,288.8	-247.8	-42.4	-247.8	0.00	0.00	
3,400.0	5.27	189.70	3,388.4	-256.9	-43.9	-256.9	0.00	0.00	
3,500.0	5.27	189.70	3,488.0	-265.9	-45.5	-265.9	0.00	0.00	
3,600.0	5.27	189.70	3,587.5	-275.0	-47.0	-275.0	0.00	0.00	
3,700.0	5.27	189.70	3,687.1	-284.0	-48.6	-284.0	0.00	0.00	
3,800.0	5.27	189.70	3,786.7	-293.1	-50.1	-293.1	0.00	0.00	
3,900.0	5.27	189.70	3,886.3	-302.2	-51.6	-302.2	0.00	0.00	
4,000.0	5.27	189.70	3,985.8	-311.2	-53.2	-311.2	0.00	0.00	
4,100.0	5.27	189.70	4,085.4	-320.3	-54.7	-320.3	0.00	0.00	
4,200.0	5.27	189.70	4,185.0	-329.3	-56.3	-329.3	0.00	0.00	
4,300.0	5.27	189.70	4,284.6	-338.4	-57.8	-338.4	0.00	0.00	
4,397.8	5.27	189.70	4,382.0	-347.2	-59.4	-347.2	0.00	0.00	Sussex
4,400.0	5.27	189.70	4,384.1	-347.4	-59.4	-347.4	0.00	0.00	
4,500.0	5.27	189.70	4,483.7	-356.5	-60.9	-356.5	0.00	0.00	
4,600.0	5.27	189.70	4,583.3	-365.5	-62.5	-365.5	0.00	0.00	
4,665.0	5.27	189.70	4,648.0	-371.4	-63.5	-371.4	0.00	0.00	Sussex Marker
4,700.0	5.27	189.70	4,682.9	-374.6	-64.0	-374.6	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>North Reference:</b>	True
<b>Well:</b>	Hwy 52 4J-32H-O268	<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	5.27	189.70	4,782.5	-383.7	-65.6	-383.7	0.00	0.00	
4,900.0	5.27	189.70	4,882.0	-392.7	-67.1	-392.7	0.00	0.00	
4,958.2	5.27	189.70	4,940.0	-398.0	-68.0	-398.0	0.00	0.00	Shannon
5,000.0	5.27	189.70	4,981.6	-401.8	-68.7	-401.8	0.00	0.00	
5,100.0	5.27	189.70	5,081.2	-410.8	-70.2	-410.8	0.00	0.00	
5,200.0	5.27	189.70	5,180.8	-419.9	-71.8	-419.9	0.00	0.00	
5,300.0	5.27	189.70	5,280.3	-428.9	-73.3	-428.9	0.00	0.00	
5,400.0	5.27	189.70	5,379.9	-438.0	-74.9	-438.0	0.00	0.00	
5,500.0	5.27	189.70	5,479.5	-447.0	-76.4	-447.0	0.00	0.00	
5,600.0	5.27	189.70	5,579.1	-456.1	-78.0	-456.1	0.00	0.00	
5,700.0	5.27	189.70	5,678.6	-465.2	-79.5	-465.2	0.00	0.00	
5,800.0	5.27	189.70	5,778.2	-474.2	-81.1	-474.2	0.00	0.00	
5,900.0	5.27	189.70	5,877.8	-483.3	-82.6	-483.3	0.00	0.00	
6,000.0	5.27	189.70	5,977.4	-492.3	-84.2	-492.3	0.00	0.00	
6,100.0	5.27	189.70	6,077.0	-501.4	-85.7	-501.4	0.00	0.00	
6,200.0	5.27	189.70	6,176.5	-510.4	-87.3	-510.4	0.00	0.00	
6,300.0	5.27	189.70	6,276.1	-519.5	-88.8	-519.5	0.00	0.00	
6,400.0	5.27	189.70	6,375.7	-528.5	-90.3	-528.5	0.00	0.00	
6,500.0	5.27	189.70	6,475.3	-537.6	-91.9	-537.6	0.00	0.00	
6,524.8	5.27	189.70	6,500.0	-539.8	-92.3	-539.8	0.00	0.00	Teepee Buttes (*if present)
6,600.0	5.27	189.70	6,574.8	-546.7	-93.4	-546.7	0.00	0.00	
6,700.0	5.27	189.70	6,674.4	-555.7	-95.0	-555.7	0.00	0.00	
6,800.0	5.27	189.70	6,774.0	-564.8	-96.5	-564.8	0.00	0.00	
6,830.5	5.27	189.70	6,804.4	-567.5	-97.0	-567.5	0.00	0.00	Start build/turn @ 6830' MD
6,900.0	2.02	329.95	6,873.8	-569.6	-98.2	-569.6	10.00	-4.68	
7,000.0	11.81	354.30	6,972.9	-557.9	-100.1	-557.9	10.00	9.79	
7,100.0	21.79	356.54	7,068.6	-529.1	-102.2	-529.1	10.00	9.98	
7,200.0	31.78	357.42	7,157.7	-484.2	-104.5	-484.2	10.00	9.99	
7,300.0	41.78	357.90	7,237.7	-424.4	-106.9	-424.4	10.00	10.00	
7,337.7	45.55	358.04	7,265.0	-398.4	-107.9	-398.4	10.00	10.00	Sharon Springs
7,400.0	51.77	358.23	7,306.1	-351.7	-109.4	-351.7	10.00	10.00	
7,475.9	59.36	358.42	7,349.0	-289.2	-111.2	-289.2	10.00	10.00	Niobrara
7,500.0	61.77	358.47	7,360.8	-268.2	-111.8	-268.2	10.00	10.00	
7,600.0	71.77	358.68	7,400.2	-176.4	-114.0	-176.4	10.00	10.00	
7,675.1	79.28	358.81	7,419.0	-103.8	-115.6	-103.8	10.00	10.00	B Chalk
7,700.0	81.77	358.86	7,423.1	-79.2	-116.1	-79.2	10.00	10.00	
7,782.3	90.00	359.00	7,429.0	2.8	-117.7	2.8	10.00	10.00	LP @ 7429' TVD; 90°
7,800.0	90.00	359.00	7,429.0	20.5	-118.0	20.5	0.00	0.00	
7,900.0	90.00	359.00	7,429.0	120.5	-119.7	120.5	0.00	0.00	
8,000.0	90.00	359.00	7,429.0	220.4	-121.5	220.4	0.00	0.00	
8,100.0	90.00	359.00	7,429.0	320.4	-123.2	320.4	0.00	0.00	
8,200.0	90.00	359.00	7,429.0	420.4	-125.0	420.4	0.00	0.00	
8,300.0	90.00	359.00	7,429.0	520.4	-126.7	520.4	0.00	0.00	
8,400.0	90.00	359.00	7,429.0	620.4	-128.4	620.4	0.00	0.00	
8,500.0	90.00	359.00	7,429.0	720.4	-130.2	720.4	0.00	0.00	
8,600.0	90.00	359.00	7,429.0	820.4	-131.9	820.4	0.00	0.00	
8,700.0	90.00	359.00	7,429.0	920.3	-133.7	920.3	0.00	0.00	
8,800.0	90.00	359.00	7,429.0	1,020.3	-135.4	1,020.3	0.00	0.00	
8,900.0	90.00	359.00	7,429.0	1,120.3	-137.2	1,120.3	0.00	0.00	
9,000.0	90.00	359.00	7,429.0	1,220.3	-138.9	1,220.3	0.00	0.00	
9,100.0	90.00	359.00	7,429.0	1,320.3	-140.7	1,320.3	0.00	0.00	
9,200.0	90.00	359.00	7,429.0	1,420.3	-142.4	1,420.3	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>North Reference:</b>	True
<b>Well:</b>	Hwy 52 4J-32H-O268	<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
9,300.0	90.00	359.00	7,429.0	1,520.2	-144.2	1,520.2	0.00	0.00	
9,400.0	90.00	359.00	7,429.0	1,620.2	-145.9	1,620.2	0.00	0.00	
9,500.0	90.00	359.00	7,429.0	1,720.2	-147.6	1,720.2	0.00	0.00	
9,600.0	90.00	359.00	7,429.0	1,820.2	-149.4	1,820.2	0.00	0.00	
9,700.0	90.00	359.00	7,429.0	1,920.2	-151.1	1,920.2	0.00	0.00	
9,800.0	90.00	359.00	7,429.0	2,020.2	-152.9	2,020.2	0.00	0.00	
9,900.0	90.00	359.00	7,429.0	2,120.2	-154.6	2,120.2	0.00	0.00	
10,000.0	90.00	359.00	7,429.0	2,220.1	-156.4	2,220.1	0.00	0.00	
10,100.0	90.00	359.00	7,429.0	2,320.1	-158.1	2,320.1	0.00	0.00	
10,200.0	90.00	359.00	7,429.0	2,420.1	-159.9	2,420.1	0.00	0.00	
10,300.0	90.00	359.00	7,429.0	2,520.1	-161.6	2,520.1	0.00	0.00	
10,400.0	90.00	359.00	7,429.0	2,620.1	-163.4	2,620.1	0.00	0.00	
10,500.0	90.00	359.00	7,429.0	2,720.1	-165.1	2,720.1	0.00	0.00	
10,600.0	90.00	359.00	7,429.0	2,820.1	-166.8	2,820.1	0.00	0.00	
10,700.0	90.00	359.00	7,429.0	2,920.0	-168.6	2,920.0	0.00	0.00	
10,800.0	90.00	359.00	7,429.0	3,020.0	-170.3	3,020.0	0.00	0.00	
10,900.0	90.00	359.00	7,429.0	3,120.0	-172.1	3,120.0	0.00	0.00	
11,000.0	90.00	359.00	7,429.0	3,220.0	-173.8	3,220.0	0.00	0.00	
11,100.0	90.00	359.00	7,429.0	3,320.0	-175.6	3,320.0	0.00	0.00	
11,200.0	90.00	359.00	7,429.0	3,420.0	-177.3	3,420.0	0.00	0.00	
11,300.0	90.00	359.00	7,429.0	3,519.9	-179.1	3,519.9	0.00	0.00	
11,400.0	90.00	359.00	7,429.0	3,619.9	-180.8	3,619.9	0.00	0.00	
11,500.0	90.00	359.00	7,429.0	3,719.9	-182.6	3,719.9	0.00	0.00	
11,600.0	90.00	359.00	7,429.0	3,819.9	-184.3	3,819.9	0.00	0.00	
11,700.0	90.00	359.00	7,429.0	3,919.9	-186.0	3,919.9	0.00	0.00	
11,800.0	90.00	359.00	7,429.0	4,019.9	-187.8	4,019.9	0.00	0.00	
11,900.0	90.00	359.00	7,429.0	4,119.9	-189.5	4,119.9	0.00	0.00	
12,000.0	90.00	359.00	7,429.0	4,219.8	-191.3	4,219.8	0.00	0.00	
12,047.3	90.00	359.00	7,429.0	4,267.2	-192.1	4,267.2	0.00	0.00	TD at 12047.3 - Hwy 52 4J-32H-O268 PBHL

Targets									
Target Name									
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- Shape									
Hwy 52 4J-32H-O268 PI	0.00	0.00	7,429.0	4,267.2	-192.1	1,280,021.77	3,132,719.12	40.101070	-105.025580
- plan hits target center									
- Point									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>North Reference:</b>	True
<b>Well:</b>	Hwy 52 4J-32H-O268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
328.0	328.0	Fox Hills - BASE				
4,397.8	4,382.0	Sussex				
4,665.0	4,648.0	Sussex Marker				
4,958.2	4,940.0	Shannon				
6,524.8	6,500.0	Teepee Buttes (*if present)				
7,337.7	7,265.0	Sharon Springs				
7,475.9	7,349.0	Niobrara				
7,675.1	7,419.0	B Chalk				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
300.0	300.0	0.0	0.0	KOP @ 300'	
827.1	826.4	-23.9	-4.1	EOB; Inc=5.27°	
6,830.5	6,804.4	-567.5	-97.0	Start build/turn @ 6830' MD	
7,782.3	7,429.0	2.8	-117.7	LP @ 7429' TVD; 90°	
12,047.3	7,429.0	4,267.2	-192.1	TD at 12047.3	

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

**DJ Wattenberg**

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

**Hwy 52 4J-32H-O268**

**Hz**

**Plan #1**

## **Anticollision Report**

**05 July, 2013**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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 500.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>		<b>Date</b>	7/5/2013		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	12,047.3	Plan #1 (Hz)	Geolink MWD	Geolink MWD	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S32-T2N-R68W (File/Hwy 52)						
ANDERSON 21-32 (EXISTING) - ENCANA WELL - NO S						Out of range
ANDERSON 22-32 (EXISTING) - KPK WELL - NO SURV						Out of range
ANDERSON 22-32 ENC (EXISTING) - ENCANA WELL -						Out of range
ANDERSON 31-32 (EXISTING) - ENCANA WELL - PLAN	11,993.1	7,480.1	181.0	88.2	1.950	CC, ES
ANDERSON 31-32 (EXISTING) - ENCANA WELL - PLAN	12,000.0	7,480.1	181.2	88.2	1.949	SF
ANDERSON 32-32 (EXISTING) - ENCANA WELL - SUR	10,567.6	7,585.0	145.9	72.8	1.996	CC, ES, SF
ANDERSON 32-7 (EXISTING) - KPK WELL - NO SURVE						Out of range
ANDERSON 41-32 (EXISTING) - ENCANA WELL - NO S						Out of range
ANDERSON 42-32 (EXISTING) - BASIN EXP WELL - NO						Out of range
ANDERSON 4-2-32 (EXISTING) - ENCANA WELL - SUR	11,214.7	7,659.9	406.6	329.1	5.249	CC, ES, SF
ANDERSON 6-4-32 (EXISTING) - ENCANA WELL - SUR						Out of range
ANDERSON TRUST 1 (EXISTING) - KPK WELL - NO S						Out of range
ANDERSON TRUST 1 A (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST 2 A (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST 32-2 (EXISTING) - ENCANA WELL	11,935.9	7,367.0	291.0	202.2	3.279	CC, ES, SF
ANDERSON TRUST 32-8 (EXISTING) - ENCANA WELL						Out of range
ANDERSON TRUST C 1 (EXISTING) - ENCANA WELL						Out of range
ANDERSON TRUST C UNIT 2 (EXISTING) - ENCANA W						Out of range
BROWN 22-5 (EXISTING) - ENCANA WELL - NO SURV						Out of range
BROWN 31-5 (EXISTING) - ENCANA WELL - SURVEYS						Out of range
BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA	798.7	812.5	383.1	380.0	121.723	CC
BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA	800.0	813.6	383.1	380.0	121.473	ES
BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA	1,800.0	1,719.2	487.9	478.2	50.328	SF
BROWN 5-3 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
BROWN 5-5 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
BROWN C UNIT 1 (EXISTING) - ENCANA WELL - NO S						Out of range
BROWN C UNIT 2 (EXISTING) - ENCANA WELL - NO S						Out of range
CANINO 1-X (EXISTING) - ENCANA WELL - NO SURVE						Out of range
CANINO 2 (EXISTING) - HUGHES CW WELL - NO SUR						Out of range
CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR	672.7	615.4	35.1	32.8	15.559	CC
CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR	700.0	642.7	35.1	32.8	14.911	ES
CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR	7,758.9	7,372.1	149.8	123.4	5.673	SF
FEDERAL NOAA 11-32 (EXISTING) - ENCANA WELL - N						Out of range
File 3A-32H-K268 - Hz - Plan #1						Out of range
File 3B-32H-K268 - Hz - Plan #1						Out of range
File 3C-32H-K268 - Hz - Plan #1						Out of range
File 3D-32H-K268 - Hz - Plan #1						Out of range
File 3E-32H-K268 - Hz - Plan #1						Out of range
File 3F-32H-K268 - Hz - Plan #1						Out of range
File 3G-32H-K268 - Hz - Plan #1						Out of range
File 3H-32H-K268 - Hz - Plan #1						Out of range
File 3I-32H-K268 - Hz - Plan #1						Out of range
File 3J-32H-K268 - Hz - Plan #1						Out of range
File 3K-32H-K268 - Hz - Plan #1						Out of range
File 3L-32H-K268 - Hz - Plan #1						Out of range
File 3M-32H-K268 - Hz - Plan #1						Out of range
File 3N-32H-K268 - Hz - Plan #1						Out of range
File 3O-32H-K268 - Hz - Plan #1						Out of range
File 3P-32H-K268 - Hz - Plan #1						Out of range
FOSTER 33-5 (EXISTING) - ENCANA WELL - SURVEY						Out of range
FOSTER 43-5 (EXISTING) - ENCANA WELL - SURVEY						Out of range
FOSTER 4-5 (EXISTING) - ENCANA WELL - SURVEYS						Out of range
FOSTER 4-6-5 (EXISTING) - ENCANA WELL - SURVEY						Out of range

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
S32-T2N-R68W (File/Hwy 52)						
FOSTER 6-4-5 (EXISTING) - ENCANA WELL - SURVEY						Out of range
FOSTER 6-4-5X (EXISTING) - ENCANA WELL - SURVEY						Out of range
FOSTER 6-8-5 (EXISTING) - ENCANA WELL - SURVEY						Out of range
FOSTER 8-8-5 (EXISTING) - ENCANA WELL - SURVEY						Out of range
FOSTER E UNIT 1 (EXISTING) - ENCANA WELL - NO S						Out of range
GENE 11-5 (EXISTING) - KERR-MCGEE WELL - NO SU						Out of range
HIGHLAND 21-5 (EXISTING) - KPK WELL - NO SURVE						Out of range
HOPE 31-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
Hwy 52 4A-32H-O268 - Hz - Plan #1	166.0	168.0	65.3	64.7	123.039	CC
Hwy 52 4A-32H-O268 - Hz - Plan #1	200.0	202.0	65.3	64.6	100.545	ES
Hwy 52 4A-32H-O268 - Hz - Plan #1	7,500.0	7,552.4	472.9	445.4	17.157	SF
Hwy 52 4B-32H-O268 - Hz - Plan #1	166.3	167.3	60.0	59.5	113.210	CC
Hwy 52 4B-32H-O268 - Hz - Plan #1	200.0	201.0	60.0	59.4	92.664	ES
Hwy 52 4B-32H-O268 - Hz - Plan #1	7,821.0	7,441.3	204.7	178.0	7.676	SF
Hwy 52 4C-32H-O268 - Hz - Plan #1	793.8	795.2	49.7	46.9	17.780	CC
Hwy 52 4C-32H-O268 - Hz - Plan #1	800.0	801.3	49.7	46.9	17.634	ES
Hwy 52 4C-32H-O268 - Hz - Plan #1	7,500.0	7,517.8	224.3	196.6	8.102	SF
Hwy 52 4D-32H-O268 - Hz - Plan #1	821.8	824.0	45.2	42.3	15.608	CC, ES
Hwy 52 4D-32H-O268 - Hz - Plan #1	1,000.0	1,001.0	50.1	46.6	14.128	SF
Hwy 52 4E-32H-O268 - Hz - Plan #1	665.2	665.9	33.6	31.3	14.580	CC
Hwy 52 4E-32H-O268 - Hz - Plan #1	700.0	700.7	33.6	31.2	13.839	ES
Hwy 52 4E-32H-O268 - Hz - Plan #1	900.0	899.9	38.7	35.5	12.179	SF
Hwy 52 4F-32H-O268 - Hz - Plan #1	652.8	654.2	28.4	26.2	12.576	CC, ES
Hwy 52 4F-32H-O268 - Hz - Plan #1	700.0	701.2	28.9	26.5	11.869	SF
Hwy 52 4G-32H-O268 - Hz - Plan #1	638.6	639.4	23.7	21.5	10.753	CC, ES
Hwy 52 4G-32H-O268 - Hz - Plan #1	900.0	900.9	29.2	26.0	9.274	SF
Hwy 52 4H-32H-O268 - Hz - Plan #1	493.4	494.4	19.7	18.1	11.770	CC
Hwy 52 4H-32H-O268 - Hz - Plan #1	500.0	501.0	19.7	18.0	11.611	ES
Hwy 52 4H-32H-O268 - Hz - Plan #1	700.0	700.7	22.4	20.0	9.269	SF
Hwy 52 4I-32H-O268 - Hz - Plan #1	200.0	200.0	7.8	7.2	12.094	CC, ES
Hwy 52 4I-32H-O268 - Hz - Plan #1	12,047.3	12,216.2	411.9	295.9	3.550	SF
Hwy 52 4K-32H-O268 - Hz - Plan #1	482.5	482.4	6.8	5.2	4.168	CC
Hwy 52 4K-32H-O268 - Hz - Plan #1	500.0	499.9	6.8	5.1	4.030	ES
Hwy 52 4K-32H-O268 - Hz - Plan #1	12,047.3	12,339.0	449.9	326.6	3.649	SF
Hwy 52 4L-32H-O268 - Hz - Plan #1	300.0	300.0	10.0	9.0	10.052	CC
Hwy 52 4L-32H-O268 - Hz - Plan #1	400.0	400.0	10.2	8.8	7.571	ES
Hwy 52 4L-32H-O268 - Hz - Plan #1	500.0	500.0	11.1	9.4	6.552	SF
Hwy 52 4M-32H-O268 - Hz - Plan #1	300.0	300.0	31.8	30.8	31.933	CC
Hwy 52 4M-32H-O268 - Hz - Plan #1	400.0	400.0	31.9	30.5	23.701	ES
Hwy 52 4M-32H-O268 - Hz - Plan #1	800.0	798.7	41.8	39.0	14.988	SF
Hwy 52 4N-32H-O268 - Hz - Plan #1	300.0	300.0	37.3	36.3	37.510	CC
Hwy 52 4N-32H-O268 - Hz - Plan #1	400.0	400.0	37.5	36.2	27.895	ES
Hwy 52 4N-32H-O268 - Hz - Plan #1	800.0	798.9	47.4	44.6	17.036	SF
Hwy 52 4O-32H-O268 - Hz - Plan #1	300.0	300.0	40.1	39.2	40.354	CC
Hwy 52 4O-32H-O268 - Hz - Plan #1	400.0	400.0	40.3	38.9	29.939	ES
Hwy 52 4O-32H-O268 - Hz - Plan #1	700.0	697.5	50.6	48.2	20.889	SF
Hwy 52 4P-32H-O268 - Hz - Plan #1	200.0	200.0	45.7	45.1	70.775	CC, ES
Hwy 52 4P-32H-O268 - Hz - Plan #1	700.0	694.6	70.1	67.7	28.929	SF
LAURIE 32-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NATALIE 33-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NELSON 1 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 1 A (EXISTING) - TEXAS TEA WELL - NO SUR						Out of range
NELSON 2 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
Offset Well - Wellbore - Design			Between Centres (ft)	Between Ellipses (ft)		
S32-T2N-R68W (File/Hwy 52)						
NELSON 3 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 5 (EXISTING) - VESSELS WELL - NO SURVE						Out of range
NELSON 5 TT (EXISTING) - TEXAS TEA WELL - NO SU						Out of range
NELSON 6 (EXISTING) - VESSELS WELL - NO SURVE						Out of range
NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S						Out of range
NELSON E UNIT 2 (EXISTING) - ENCANA WELL - NO S						Out of range
PAQUETTE 13-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
PAQUETTE 14-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
RAY NELSON 0-4-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 12-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 13-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 14-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 24-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 2-4-32 (EXISTING) - ENCANA WELL - NO						Out of range
RAY NELSON 33-32 (EXISTING) - ENCANA WELL - EN	9,336.0	7,603.9	220.8	161.9	3.752	CC, ES, SF
RAY NELSON 34-32 (EXISTING) - ENCANA WELL - EN	7,529.9	7,408.2	85.0	57.9	3.134	CC, ES, SF
RAY NELSON 44-32 (EXISTING) - ENCANA WELL - EN	143.0	134.0	392.1	391.7	906.725	CC, ES
RAY NELSON 44-32 (EXISTING) - ENCANA WELL - EN	900.0	810.5	483.7	480.7	160.836	SF
RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 4-8-32 (EXISTING) - ENCANA WELL - PL	5,012.9	5,277.3	376.2	333.5	8.808	CC
RAY NELSON 4-8-32 (EXISTING) - ENCANA WELL - PL	5,100.0	5,359.5	377.3	333.3	8.585	ES
RAY NELSON 4-8-32 (EXISTING) - ENCANA WELL - PL	5,300.0	5,548.2	388.0	341.8	8.399	SF
RAY NELSON 6-8-32 (EXISTING) - ENCANA WELL - PL						Out of range
Ray Nelson 7-8-32 - DD - Plan #1	300.0	291.0	396.1	395.1	404.547	CC, ES
Ray Nelson 7-8-32 - DD - Plan #1	1,400.0	1,347.8	492.3	486.6	85.627	SF
RAY NELSON 8-4-32 (EXISTING) - ENCANA WELL - PL						Out of range
RAY NELSON 8-6-32 (EXISTING) - ENCANA WELL - PL						Out of range
RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SU	0.0	0.0	396.2			
RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SU	1,000.0	913.2	491.3	487.3	122.692	SF
SCHRINER 11-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
SCHRINER 12-5 (EXISTING) - KERR-MCGEE WELL - N						Out of range
WANDELL 33-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 41-7 (EXISTING) - ENCANA WELL - Plan #1	7,472.3	7,387.9	69.3	40.9	2.444	CC, ES, SF
WANDELL 42-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 43-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - ANDERSON 31-32 (EXISTING) - ENCANA WELL - PLAN ONLY													Offset Site Error: 0.0 ft
Survey Program: 850-Geolink MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,600.0	7,429.0	7,480.1	7,376.0	70.1	23.5	90.00	4,216.1	-10.1	432.8	346.7	86.07	5.028	
11,700.0	7,429.0	7,480.1	7,376.0	71.8	23.5	90.00	4,216.1	-10.1	344.5	256.7	87.79	3.924	
11,800.0	7,429.0	7,480.1	7,376.0	73.6	23.5	90.00	4,216.1	-10.1	264.7	175.2	89.52	2.957	
11,900.0	7,429.0	7,480.1	7,376.0	75.3	23.5	90.00	4,216.1	-10.1	203.6	112.3	91.24	2.231	
11,993.1	7,429.0	7,480.1	7,376.0	76.9	23.5	90.00	4,216.1	-10.1	181.0	88.2	92.85	1.950 CC, ES	
12,000.0	7,429.0	7,480.1	7,376.0	77.0	23.5	90.00	4,216.1	-10.1	181.2	88.2	92.97	1.949 SF	
12,047.3	7,429.0	7,480.1	7,376.0	77.8	23.5	90.00	4,216.1	-10.1	189.0	95.2	93.79	2.015	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - ANDERSON 32-32 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 71-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,100.0	7,429.0	7,577.1	7,372.1	44.6	27.6	88.46	2,790.1	-20.2	489.8	424.6	65.17	7.516		
10,200.0	7,429.0	7,578.8	7,373.7	46.3	27.6	89.11	2,790.1	-20.3	395.5	328.6	66.87	5.914		
10,300.0	7,429.0	7,580.5	7,375.4	48.0	27.6	89.77	2,790.2	-20.3	304.8	236.2	68.57	4.445		
10,400.0	7,429.0	7,582.2	7,377.1	49.6	27.6	90.43	2,790.2	-20.4	222.2	152.0	70.26	3.163		
10,500.0	7,429.0	7,583.9	7,378.8	51.3	27.6	91.10	2,790.2	-20.4	160.8	88.9	71.95	2.235		
10,567.6	7,429.0	7,585.0	7,380.0	52.5	27.6	91.56	2,790.2	-20.5	145.9	72.8	73.10	1.996	CC, ES, SF	
10,600.0	7,429.0	7,585.6	7,380.5	53.0	27.6	91.78	2,790.2	-20.5	149.4	75.8	73.64	2.029		
10,700.0	7,429.0	7,587.3	7,382.2	54.7	27.6	92.45	2,790.3	-20.5	197.0	121.7	75.32	2.615		
10,800.0	7,429.0	7,589.1	7,384.0	56.4	27.6	93.14	2,790.3	-20.6	274.3	197.4	76.99	3.563		
10,900.0	7,429.0	7,590.8	7,385.7	58.1	27.6	93.82	2,790.3	-20.6	362.9	284.3	78.65	4.614		
11,000.0	7,429.0	7,592.6	7,387.5	59.8	27.6	94.51	2,790.4	-20.7	456.3	376.0	80.30	5.682		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - ANDERSON 4-2-32 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 71-Geolink MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
11,000.0	7,429.0	7,659.8	7,386.2	59.8	32.0	-89.60	3,427.5	-584.1	459.7	386.0	73.78	6.231	
11,100.0	7,429.0	7,659.8	7,386.2	61.5	32.0	-89.61	3,427.5	-584.1	422.4	346.9	75.49	5.596	
11,200.0	7,429.0	7,659.9	7,386.3	63.3	32.0	-89.62	3,427.5	-584.1	406.8	329.6	77.20	5.270	
11,214.7	7,429.0	7,659.9	7,386.3	63.5	32.0	-89.62	3,427.5	-584.1	406.6	329.1	77.45	5.249	CC, ES, SF
11,300.0	7,429.0	7,659.9	7,386.3	65.0	32.0	-89.63	3,427.5	-584.1	415.4	336.5	78.92	5.264	
11,400.0	7,429.0	7,660.0	7,386.4	66.7	32.0	-89.63	3,427.5	-584.1	446.8	366.2	80.63	5.541	
11,500.0	7,429.0	7,660.0	7,386.4	68.4	32.0	-89.64	3,427.5	-584.1	496.7	414.3	82.35	6.031	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - ANDERSON TRUST 32-2 (EXISTING) - ENCANA WELL - NO SURVEY		Offset Site Error:		0.0 ft
Survey Program:													7690-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis						
11,600.0	7,429.0	7,367.0	7,367.0	70.1	12.9	90.00	4,160.8	100.8	444.4	361.4	82.95	5.357					
11,700.0	7,429.0	7,367.0	7,367.0	71.8	12.9	90.00	4,160.8	100.8	374.6	289.9	84.67	4.424					
11,800.0	7,429.0	7,367.0	7,367.0	73.6	12.9	90.00	4,160.8	100.8	321.1	234.7	86.40	3.717					
11,900.0	7,429.0	7,367.0	7,367.0	75.3	12.9	90.00	4,160.8	100.8	293.2	205.1	88.12	3.327					
11,935.9	7,429.0	7,367.0	7,367.0	75.9	12.9	90.00	4,160.8	100.8	291.0	202.2	88.74	3.279	CC, ES, SF				
12,000.0	7,429.0	7,367.0	7,367.0	77.0	12.9	90.00	4,160.8	100.8	298.0	208.1	89.85	3.316					
12,047.3	7,429.0	7,367.0	7,367.0	77.8	12.9	90.00	4,160.8	100.8	311.6	220.9	90.67	3.437					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA WELL														Offset Site Error:	0.0 ft
Survey Program: 41-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)							
0.0	0.0	0.0	0.0	0.0	0.0	58.85	201.8	333.9	390.2						
100.0	100.0	88.0	88.0	0.1	0.1	58.90	201.8	334.4	390.6	0.28	1,415.414				
200.0	200.0	187.4	187.4	0.3	0.3	58.98	201.7	335.5	391.5	0.62	626.862				
300.0	300.0	289.0	288.9	0.5	0.5	59.10	201.5	336.6	392.3	0.98	401.507				
400.0	400.0	399.7	399.7	0.7	0.7	-130.40	199.1	336.8	392.0	1.35	290.270				
500.0	500.0	507.5	507.2	0.9	0.9	-129.91	192.5	336.6	390.3	1.74	224.887				
600.0	599.9	616.0	615.0	1.0	1.2	-128.88	180.4	337.0	387.9	2.17	178.810				
700.0	699.7	720.2	717.9	1.2	1.5	-127.36	163.5	338.0	384.7	2.66	144.723				
798.7	798.1	812.5	808.6	1.4	1.8	-125.90	146.9	340.0	383.1	3.15	121.723 CC				
800.0	799.4	813.6	809.7	1.4	1.8	-125.88	146.7	340.0	383.1	3.15	121.473 ES				
900.0	898.9	911.2	905.5	1.7	2.1	-124.26	128.5	343.8	383.8	3.70	103.621				
1,000.0	998.5	1,012.2	1,004.2	1.9	2.5	-122.31	108.0	348.6	385.0	4.33	89.013				
1,100.0	1,098.1	1,108.7	1,097.6	2.1	3.0	-119.79	84.2	354.7	386.6	5.01	77.124				
1,200.0	1,197.7	1,196.6	1,182.0	2.3	3.4	-117.17	60.8	362.4	390.7	5.69	68.689				
1,300.0	1,297.3	1,279.0	1,260.7	2.6	3.8	-114.61	38.5	372.1	398.6	6.36	62.658				
1,400.0	1,396.8	1,366.0	1,343.5	2.8	4.3	-111.95	15.1	384.6	410.2	7.05	58.217				
1,500.0	1,496.4	1,453.0	1,426.2	3.0	4.8	-109.47	-7.5	399.7	425.8	7.72	55.132				
1,600.0	1,596.0	1,544.5	1,512.6	3.3	5.3	-106.95	-31.6	417.4	444.2	8.42	52.766				
1,700.0	1,695.6	1,633.3	1,596.4	3.5	5.8	-104.71	-54.6	435.8	464.8	9.06	51.277				
1,800.0	1,795.1	1,719.2	1,677.2	3.7	6.3	-102.71	-76.8	455.1	487.9	9.69	50.328 SF				



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - CANINO 3 (EXISTING) - HUGHES CW WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program:		7800-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	118.76	-17.9	32.5	68.0					
100.0	100.0	43.0	43.0	0.1	0.1	118.76	-17.9	32.5	37.1	36.9	0.22	165.954		
200.0	200.0	143.0	143.0	0.3	0.2	118.76	-17.9	32.5	37.1	36.5	0.57	64.798		
300.0	300.0	243.0	243.0	0.5	0.4	118.76	-17.9	32.5	37.1	36.2	0.92	40.259		
400.0	400.0	343.0	343.0	0.7	0.6	-72.23	-17.9	32.5	36.8	35.6	1.27	28.970		
500.0	500.0	443.0	443.0	0.9	0.8	-76.19	-17.9	32.5	36.1	34.5	1.62	22.235		
600.0	599.9	542.9	542.9	1.0	0.9	-83.08	-17.9	32.5	35.3	33.3	1.98	17.803		
672.7	672.4	615.4	615.4	1.2	1.1	-90.00	-17.9	32.5	35.1	32.8	2.25	15.559 CC		
700.0	699.7	642.7	642.7	1.2	1.1	-93.00	-17.9	32.5	35.1	32.8	2.36	14.911 ES		
800.0	799.4	742.4	742.4	1.4	1.3	-105.39	-17.9	32.5	36.4	33.7	2.73	13.306		
900.0	898.9	841.9	841.9	1.7	1.5	-118.10	-17.9	32.5	39.8	36.7	3.11	12.814		
1,000.0	998.5	941.5	941.5	1.9	1.6	-128.48	-17.9	32.5	44.9	41.4	3.46	12.952		
1,100.0	1,098.1	1,041.1	1,041.1	2.1	1.8	-136.55	-17.9	32.5	51.1	47.3	3.81	13.401		
1,200.0	1,197.7	1,140.7	1,140.7	2.3	2.0	-142.78	-17.9	32.5	58.1	54.0	4.16	13.979		
1,300.0	1,297.3	1,240.3	1,240.3	2.6	2.2	-147.63	-17.9	32.5	65.7	61.2	4.50	14.594		
1,400.0	1,396.8	1,339.8	1,339.8	2.8	2.3	-151.45	-17.9	32.5	73.6	68.8	4.84	15.202		
1,500.0	1,496.4	1,439.4	1,439.4	3.0	2.5	-154.53	-17.9	32.5	81.8	76.6	5.19	15.779		
1,600.0	1,596.0	1,539.0	1,539.0	3.3	2.7	-157.03	-17.9	32.5	90.2	84.7	5.53	16.319		
1,700.0	1,695.6	1,638.6	1,638.6	3.5	2.9	-159.11	-17.9	32.5	98.7	92.9	5.87	16.818		
1,800.0	1,795.1	1,738.1	1,738.1	3.7	3.0	-160.86	-17.9	32.5	107.4	101.2	6.21	17.279		
1,900.0	1,894.7	1,837.7	1,837.7	4.0	3.2	-162.35	-17.9	32.5	116.1	109.5	6.56	17.703		
2,000.0	1,994.3	1,937.3	1,937.3	4.2	3.4	-163.62	-17.9	32.5	124.9	118.0	6.90	18.094		
2,100.0	2,093.9	2,036.9	2,036.9	4.4	3.6	-164.73	-17.9	32.5	133.7	126.5	7.25	18.454		
2,200.0	2,193.5	2,136.5	2,136.5	4.7	3.7	-165.71	-17.9	32.5	142.6	135.0	7.59	18.786		
2,300.0	2,293.0	2,236.0	2,236.0	4.9	3.9	-166.56	-17.9	32.5	151.5	143.6	7.94	19.093		
2,400.0	2,392.6	2,335.6	2,335.6	5.1	4.1	-167.32	-17.9	32.5	160.5	152.2	8.28	19.377		
2,500.0	2,492.2	2,435.2	2,435.2	5.4	4.3	-168.01	-17.9	32.5	169.5	160.8	8.63	19.642		
2,600.0	2,591.8	2,534.8	2,534.8	5.6	4.4	-168.62	-17.9	32.5	178.5	169.5	8.97	19.887		
2,700.0	2,691.3	2,634.3	2,634.3	5.9	4.6	-169.17	-17.9	32.5	187.5	178.2	9.32	20.116		
2,800.0	2,790.9	2,733.9	2,733.9	6.1	4.8	-169.68	-17.9	32.5	196.5	186.9	9.67	20.330		
2,900.0	2,890.5	2,833.5	2,833.5	6.3	4.9	-170.14	-17.9	32.5	205.6	195.6	10.01	20.531		
3,000.0	2,990.1	2,933.1	2,933.1	6.6	5.1	-170.56	-17.9	32.5	214.6	204.3	10.36	20.718		
3,100.0	3,089.6	3,032.6	3,032.6	6.8	5.3	-170.94	-17.9	32.5	223.7	213.0	10.71	20.895		
3,200.0	3,189.2	3,132.2	3,132.2	7.0	5.5	-171.30	-17.9	32.5	232.8	221.7	11.05	21.061		
3,300.0	3,288.8	3,231.8	3,231.8	7.3	5.6	-171.63	-17.9	32.5	241.9	230.5	11.40	21.217		
3,400.0	3,388.4	3,331.4	3,331.4	7.5	5.8	-171.93	-17.9	32.5	250.9	239.2	11.75	21.365		
3,500.0	3,488.0	3,431.0	3,431.0	7.7	6.0	-172.22	-17.9	32.5	260.0	248.0	12.09	21.505		
3,600.0	3,587.5	3,530.5	3,530.5	8.0	6.2	-172.48	-17.9	32.5	269.2	256.7	12.44	21.637		
3,700.0	3,687.1	3,630.1	3,630.1	8.2	6.3	-172.73	-17.9	32.5	278.3	265.5	12.79	21.762		
3,800.0	3,786.7	3,729.7	3,729.7	8.4	6.5	-172.96	-17.9	32.5	287.4	274.2	13.13	21.881		
3,900.0	3,886.3	3,829.3	3,829.3	8.7	6.7	-173.18	-17.9	32.5	296.5	283.0	13.48	21.994		
4,000.0	3,985.8	3,928.8	3,928.8	8.9	6.9	-173.38	-17.9	32.5	305.6	291.8	13.83	22.102		
4,100.0	4,085.4	4,028.4	4,028.4	9.2	7.0	-173.58	-17.9	32.5	314.8	300.6	14.18	22.204		
4,200.0	4,185.0	4,128.0	4,128.0	9.4	7.2	-173.76	-17.9	32.5	323.9	309.4	14.52	22.302		
4,300.0	4,284.6	4,227.6	4,227.6	9.6	7.4	-173.93	-17.9	32.5	333.0	318.1	14.87	22.396		
4,400.0	4,384.1	4,327.1	4,327.1	9.9	7.6	-174.09	-17.9	32.5	342.2	326.9	15.22	22.485		
4,500.0	4,483.7	4,426.7	4,426.7	10.1	7.7	-174.25	-17.9	32.5	351.3	335.7	15.56	22.570		
4,600.0	4,583.3	4,526.3	4,526.3	10.3	7.9	-174.39	-17.9	32.5	360.4	344.5	15.91	22.652		
4,700.0	4,682.9	4,625.9	4,625.9	10.6	8.1	-174.53	-17.9	32.5	369.6	353.3	16.26	22.731		
4,800.0	4,782.5	4,725.5	4,725.5	10.8	8.2	-174.66	-17.9	32.5	378.7	362.1	16.61	22.806		
4,900.0	4,882.0	4,825.0	4,825.0	11.1	8.4	-174.79	-17.9	32.5	387.9	370.9	16.95	22.878		
5,000.0	4,981.6	4,924.6	4,924.6	11.3	8.6	-174.91	-17.9	32.5	397.0	379.7	17.30	22.947		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - CANINO 3 (EXISTING) - HUGHES CW WELL - NO SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 7800-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
5,100.0	5,081.2	5,024.2	5,024.2	11.5	8.8	-175.03	-17.9	32.5	406.2	388.5	17.65	23.014		
5,200.0	5,180.8	5,123.8	5,123.8	11.8	8.9	-175.14	-17.9	32.5	415.3	397.3	18.00	23.078		
5,300.0	5,280.3	5,223.3	5,223.3	12.0	9.1	-175.24	-17.9	32.5	424.5	406.1	18.34	23.140		
5,400.0	5,379.9	5,322.9	5,322.9	12.2	9.3	-175.34	-17.9	32.5	433.6	415.0	18.69	23.199		
5,500.0	5,479.5	5,422.5	5,422.5	12.5	9.5	-175.44	-17.9	32.5	442.8	423.8	19.04	23.257		
5,600.0	5,579.1	5,522.1	5,522.1	12.7	9.6	-175.53	-17.9	32.5	452.0	432.6	19.39	23.312		
5,700.0	5,678.6	5,621.6	5,621.6	12.9	9.8	-175.62	-17.9	32.5	461.1	441.4	19.73	23.366		
5,800.0	5,778.2	5,721.2	5,721.2	13.2	10.0	-175.70	-17.9	32.5	470.3	450.2	20.08	23.417		
5,900.0	5,877.8	5,820.8	5,820.8	13.4	10.2	-175.79	-17.9	32.5	479.4	459.0	20.43	23.467		
6,000.0	5,977.4	5,920.4	5,920.4	13.7	10.3	-175.87	-17.9	32.5	488.6	467.8	20.78	23.516		
6,100.0	6,077.0	6,020.0	6,020.0	13.9	10.5	-175.94	-17.9	32.5	497.8	476.6	21.13	23.562		
7,200.0	7,157.7	7,100.7	7,100.7	15.1	12.4	22.01	-17.9	32.5	486.0	463.4	22.66	21.450		
7,300.0	7,237.7	7,180.7	7,180.7	14.7	12.5	27.28	-17.9	32.5	429.8	407.8	21.98	19.557		
7,400.0	7,306.1	7,249.1	7,249.1	14.3	12.7	36.75	-17.9	32.5	362.7	340.8	21.98	16.506		
7,500.0	7,360.8	7,303.8	7,303.8	13.9	12.7	52.33	-17.9	32.5	288.9	265.5	23.42	12.337		
7,600.0	7,400.2	7,343.2	7,343.2	13.7	12.8	72.09	-17.9	32.5	215.9	190.5	25.48	8.474		
7,700.0	7,423.1	7,366.1	7,366.1	13.6	12.9	86.81	-17.9	32.5	160.8	134.6	26.27	6.123		
7,758.9	7,429.1	7,372.1	7,372.1	13.7	12.9	90.00	-17.9	32.5	149.8	123.4	26.41	5.673 SF		
7,800.0	7,429.0	7,372.0	7,372.0	13.8	12.9	90.00	-17.9	32.5	155.3	128.8	26.48	5.866		
7,900.0	7,429.0	7,372.0	7,372.0	14.1	12.9	90.00	-17.9	32.5	205.7	178.8	26.86	7.659		
8,000.0	7,429.0	7,372.0	7,372.0	14.7	12.9	90.00	-17.9	32.5	283.7	256.3	27.44	10.339		
8,100.0	7,429.0	7,372.0	7,372.0	15.5	12.9	90.00	-17.9	32.5	372.4	344.2	28.21	13.203		
8,200.0	7,429.0	7,372.0	7,372.0	16.4	12.9	90.00	-17.9	32.5	465.7	436.6	29.12	15.990		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4A-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	2.0	2.0	0.0	0.0	-94.97	-5.7	-65.0	65.3					
100.0	100.0	102.0	102.0	0.1	0.2	-94.97	-5.7	-65.0	65.3	65.0	0.30	217.445		
166.0	166.0	168.0	168.0	0.3	0.3	-94.97	-5.7	-65.0	65.3	64.7	0.53	123.039 CC		
200.0	200.0	202.0	202.0	0.3	0.3	-94.97	-5.7	-65.0	65.3	64.6	0.65	100.545 ES		
300.0	300.0	300.9	300.9	0.5	0.5	-94.72	-5.4	-65.9	66.1	65.1	1.00	66.352		
400.0	400.0	400.0	400.0	0.7	0.7	76.95	-4.8	-68.4	68.4	67.1	1.35	50.867		
500.0	500.0	498.5	498.3	0.9	0.9	79.90	-3.8	-72.6	72.1	70.4	1.70	42.500		
600.0	599.9	596.9	596.6	1.0	1.1	84.06	-2.4	-78.4	77.4	75.4	2.05	37.695		
700.0	699.7	695.8	695.2	1.2	1.3	88.93	-0.7	-85.6	84.5	82.1	2.42	34.882		
800.0	799.4	795.2	794.3	1.4	1.5	94.11	1.1	-93.0	92.4	89.6	2.81	32.931		
900.0	898.9	894.4	893.3	1.7	1.7	99.21	2.9	-100.3	101.1	97.9	3.20	31.637		
1,000.0	998.5	993.7	992.2	1.9	1.9	103.52	4.7	-107.7	110.5	106.9	3.59	30.785		
1,100.0	1,098.1	1,092.9	1,091.2	2.1	2.1	107.15	6.5	-115.1	120.4	116.5	3.99	30.216		
1,200.0	1,197.7	1,192.2	1,190.1	2.3	2.3	110.21	8.3	-122.4	130.8	126.4	4.38	29.832		
1,300.0	1,297.3	1,291.4	1,289.1	2.6	2.5	112.82	10.1	-129.8	141.5	136.7	4.78	29.574		
1,400.0	1,396.8	1,390.6	1,388.0	2.8	2.8	115.06	11.8	-137.1	152.4	147.2	5.18	29.400		
1,500.0	1,496.4	1,489.9	1,487.0	3.0	3.0	117.00	13.6	-144.5	163.5	157.9	5.58	29.286		
1,600.0	1,596.0	1,589.1	1,585.9	3.3	3.2	118.70	15.4	-151.9	174.8	168.8	5.98	29.213		
1,700.0	1,695.6	1,688.3	1,684.9	3.5	3.4	120.18	17.2	-159.2	186.2	179.8	6.38	29.169		
1,800.0	1,795.1	1,787.6	1,783.8	3.7	3.6	121.50	19.0	-166.6	197.7	190.9	6.78	29.147		
1,900.0	1,894.7	1,886.8	1,882.8	4.0	3.8	122.67	20.8	-174.0	209.3	202.1	7.18	29.139		
2,000.0	1,994.3	1,986.1	1,981.7	4.2	4.1	123.71	22.6	-181.3	221.0	213.4	7.58	29.143		
2,100.0	2,093.9	2,085.3	2,080.6	4.4	4.3	124.65	24.3	-188.7	232.7	224.7	7.98	29.155		
2,200.0	2,193.5	2,184.5	2,179.6	4.7	4.5	125.50	26.1	-196.1	244.5	236.1	8.38	29.172		
2,300.0	2,293.0	2,283.8	2,278.5	4.9	4.7	126.28	27.9	-203.4	256.4	247.6	8.78	29.193		
2,400.0	2,392.6	2,383.0	2,377.5	5.1	4.9	126.98	29.7	-210.8	268.3	259.1	9.18	29.217		
2,500.0	2,492.2	2,482.3	2,476.4	5.4	5.1	127.62	31.5	-218.2	280.2	270.6	9.58	29.244		
2,600.0	2,591.8	2,581.5	2,575.4	5.6	5.4	128.22	33.3	-225.5	292.2	282.2	9.98	29.271		
2,700.0	2,691.3	2,680.7	2,674.3	5.9	5.6	128.76	35.1	-232.9	304.2	293.8	10.38	29.299		
2,800.0	2,790.9	2,780.0	2,773.3	6.1	5.8	129.26	36.8	-240.2	316.2	305.4	10.78	29.327		
2,900.0	2,890.5	2,879.2	2,872.2	6.3	6.0	129.73	38.6	-247.6	328.2	317.0	11.18	29.356		
3,000.0	2,990.1	2,978.4	2,971.2	6.6	6.2	130.17	40.4	-255.0	340.3	328.7	11.58	29.384		
3,100.0	3,089.6	3,077.7	3,070.1	6.8	6.5	130.57	42.2	-262.3	352.4	340.4	11.98	29.412		
3,200.0	3,189.2	3,176.9	3,169.1	7.0	6.7	130.95	44.0	-269.7	364.5	352.1	12.38	29.440		
3,300.0	3,288.8	3,276.2	3,268.0	7.3	6.9	131.30	45.8	-277.1	376.6	363.8	12.78	29.467		
3,400.0	3,388.4	3,375.4	3,367.0	7.5	7.1	131.63	47.6	-284.4	388.7	375.5	13.18	29.493		
3,500.0	3,488.0	3,474.6	3,465.9	7.7	7.3	131.94	49.3	-291.8	400.8	387.2	13.58	29.519		
3,600.0	3,587.5	3,573.9	3,564.9	8.0	7.5	132.23	51.1	-299.2	413.0	399.0	13.98	29.544		
3,700.0	3,687.1	3,673.1	3,663.8	8.2	7.8	132.51	52.9	-306.5	425.1	410.7	14.38	29.569		
3,800.0	3,786.7	3,772.4	3,762.8	8.4	8.0	132.77	54.7	-313.9	437.3	422.5	14.78	29.593		
3,900.0	3,886.3	3,871.6	3,861.7	8.7	8.2	133.02	56.5	-321.3	449.5	434.3	15.18	29.616		
4,000.0	3,985.8	3,970.8	3,960.7	8.9	8.4	133.25	58.3	-328.6	461.6	446.1	15.58	29.638		
4,100.0	4,085.4	4,070.1	4,059.6	9.2	8.6	133.47	60.1	-336.0	473.8	457.9	15.98	29.660		
4,200.0	4,185.0	4,169.3	4,158.6	9.4	8.9	133.68	61.8	-343.3	486.0	469.7	16.37	29.681		
4,300.0	4,284.6	4,268.5	4,257.5	9.6	9.1	133.88	63.6	-350.7	498.2	481.5	16.77	29.702		
7,400.0	7,306.1	7,627.4	7,409.8	14.3	17.1	-95.81	-315.3	-585.3	488.1	459.9	28.11	17.363		
7,500.0	7,360.8	7,552.4	7,385.9	13.9	16.6	-90.38	-244.3	-583.5	472.9	445.4	27.57	17.157 SF		
7,579.7	7,393.6	7,497.4	7,362.7	13.7	16.3	-85.71	-194.5	-581.8	469.4	442.2	27.13	17.302		
7,600.0	7,400.2	7,483.9	7,356.2	13.7	16.3	-84.49	-182.7	-581.3	469.6	442.6	27.00	17.392		
7,700.0	7,423.1	7,419.7	7,321.9	13.6	16.0	-78.25	-128.5	-578.8	476.6	450.2	26.41	18.044		
7,800.0	7,429.0	7,358.3	7,283.6	13.8	15.7	-72.22	-80.6	-575.9	491.6	465.7	25.92	18.968		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4B-32H-O268 - 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	-89.69	0.3	-60.0	60.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	0.3	-60.0	60.0	59.7	0.30	201.038		
166.3	166.3	167.3	167.3	0.3	0.3	-89.69	0.3	-60.0	60.0	59.5	0.53	113.210 CC		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	0.3	-60.0	60.0	59.4	0.65	92.664 ES		
300.0	300.0	300.0	300.0	0.5	0.5	-89.36	0.7	-60.8	60.8	59.8	1.00	61.107		
400.0	400.0	399.0	399.0	0.7	0.7	82.62	1.7	-63.2	63.1	61.8	1.34	46.957		
500.0	500.0	498.5	498.4	0.9	0.9	86.06	3.3	-66.8	66.6	64.9	1.70	39.233		
600.0	599.9	598.3	598.1	1.0	1.0	90.60	5.0	-70.5	70.4	68.3	2.06	34.210		
700.0	699.7	698.0	697.7	1.2	1.2	95.96	6.6	-74.2	74.7	72.3	2.43	30.800		
800.0	799.4	797.5	797.1	1.4	1.4	101.91	8.3	-77.9	80.0	77.2	2.81	28.511		
900.0	898.9	896.9	896.4	1.7	1.6	107.90	9.9	-81.6	86.4	83.3	3.19	27.096		
1,000.0	998.5	996.3	995.8	1.9	1.8	113.07	11.5	-85.3	93.7	90.2	3.57	26.225		
1,100.0	1,098.1	1,095.7	1,095.1	2.1	2.0	117.47	13.2	-89.0	101.7	97.7	3.96	25.699		
1,200.0	1,197.7	1,195.1	1,194.4	2.3	2.2	121.22	14.8	-92.6	110.1	105.8	4.34	25.396		
1,300.0	1,297.3	1,294.5	1,293.7	2.6	2.3	124.42	16.5	-96.3	119.0	114.3	4.71	25.238		
1,400.0	1,396.8	1,393.9	1,393.0	2.8	2.5	127.18	18.1	-100.0	128.1	123.0	5.09	25.176		
1,500.0	1,496.4	1,493.3	1,492.4	3.0	2.7	129.56	19.8	-103.7	137.6	132.1	5.46	25.176		
1,600.0	1,596.0	1,592.7	1,591.7	3.3	2.9	131.63	21.4	-107.4	147.2	141.3	5.84	25.218		
1,700.0	1,695.6	1,692.1	1,691.0	3.5	3.1	133.45	23.0	-111.1	157.0	150.8	6.21	25.285		
1,800.0	1,795.1	1,791.5	1,790.3	3.7	3.3	135.06	24.7	-114.8	166.9	160.3	6.58	25.370		
1,900.0	1,894.7	1,890.9	1,889.6	4.0	3.5	136.48	26.3	-118.5	177.0	170.0	6.95	25.465		
2,000.0	1,994.3	1,990.3	1,989.0	4.2	3.7	137.75	28.0	-122.2	187.1	179.8	7.32	25.566		
2,100.0	2,093.9	2,089.7	2,088.3	4.4	3.8	138.89	29.6	-125.9	197.3	189.7	7.69	25.669		
2,200.0	2,193.5	2,189.1	2,187.6	4.7	4.0	139.92	31.2	-129.6	207.6	199.6	8.06	25.773		
2,300.0	2,293.0	2,288.5	2,286.9	4.9	4.2	140.84	32.9	-133.3	218.0	209.6	8.42	25.875		
2,400.0	2,392.6	2,387.9	2,386.3	5.1	4.4	141.69	34.5	-137.0	228.4	219.6	8.79	25.976		
2,500.0	2,492.2	2,487.3	2,485.6	5.4	4.6	142.46	36.2	-140.7	238.9	229.7	9.16	26.075		
2,600.0	2,591.8	2,586.7	2,584.9	5.6	4.8	143.17	37.8	-144.3	249.4	239.8	9.53	26.171		
2,700.0	2,691.3	2,686.1	2,684.2	5.9	5.0	143.82	39.4	-148.0	259.9	250.0	9.90	26.263		
2,800.0	2,790.9	2,785.5	2,783.5	6.1	5.2	144.42	41.1	-151.7	270.4	260.2	10.26	26.352		
2,900.0	2,890.5	2,884.9	2,882.9	6.3	5.3	144.97	42.7	-155.4	281.0	270.4	10.63	26.438		
3,000.0	2,990.1	2,984.3	2,982.2	6.6	5.5	145.48	44.4	-159.1	291.6	280.6	11.00	26.521		
3,100.0	3,089.6	3,083.8	3,081.5	6.8	5.7	145.96	46.0	-162.8	302.3	290.9	11.36	26.600		
3,200.0	3,189.2	3,183.2	3,180.8	7.0	5.9	146.41	47.7	-166.5	312.9	301.2	11.73	26.676		
3,300.0	3,288.8	3,282.6	3,280.1	7.3	6.1	146.82	49.3	-170.2	323.6	311.5	12.10	26.749		
3,400.0	3,388.4	3,382.0	3,379.5	7.5	6.3	147.21	50.9	-173.9	334.3	321.8	12.46	26.820		
3,500.0	3,488.0	3,481.4	3,478.8	7.7	6.5	147.58	52.6	-177.6	345.0	332.1	12.83	26.887		
3,600.0	3,587.5	3,580.8	3,578.1	8.0	6.7	147.92	54.2	-181.3	355.7	342.5	13.20	26.952		
3,700.0	3,687.1	3,680.2	3,677.4	8.2	6.8	148.24	55.9	-185.0	366.4	352.8	13.56	27.015		
3,800.0	3,786.7	3,779.6	3,776.7	8.4	7.0	148.55	57.5	-188.7	377.1	363.2	13.93	27.074		
3,900.0	3,886.3	3,879.0	3,876.1	8.7	7.2	148.83	59.1	-192.4	387.9	373.6	14.30	27.132		
4,000.0	3,985.8	3,978.4	3,975.4	8.9	7.4	149.11	60.8	-196.1	398.6	384.0	14.66	27.188		
4,100.0	4,085.4	4,077.8	4,074.7	9.2	7.6	149.36	62.4	-199.7	409.4	394.4	15.03	27.241		
4,200.0	4,185.0	4,177.2	4,174.0	9.4	7.8	149.61	64.1	-203.4	420.2	404.8	15.40	27.292		
4,300.0	4,284.6	4,276.6	4,273.3	9.6	8.0	149.84	65.7	-207.1	431.0	415.2	15.76	27.342		
4,400.0	4,384.1	4,376.0	4,372.7	9.9	8.2	150.06	67.3	-210.8	441.7	425.6	16.13	27.389		
4,500.0	4,483.7	4,475.4	4,472.0	10.1	8.3	150.27	69.0	-214.5	452.5	436.0	16.49	27.435		
4,600.0	4,583.3	4,574.8	4,571.3	10.3	8.5	150.47	70.6	-218.2	463.3	446.5	16.86	27.479		
4,700.0	4,682.9	4,674.2	4,670.6	10.6	8.7	150.67	72.3	-221.9	474.1	456.9	17.23	27.522		
4,800.0	4,782.5	4,773.6	4,769.9	10.8	8.9	150.85	73.9	-225.6	484.9	467.3	17.59	27.564		
4,900.0	4,882.0	4,873.0	4,869.3	11.1	9.1	151.02	75.6	-229.3	495.7	477.8	17.96	27.603		
7,400.0	7,306.1	7,713.4	7,618.7	14.3	14.5	-118.35	-146.8	-326.9	431.7	406.0	25.71	16.794		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4B-32H-O268 - 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)								
7,500.0	7,360.8	7,632.9	7,570.2	13.9	14.2	-113.99	-82.7	-326.2	351.8	326.2	25.55	13.771						
7,600.0	7,400.2	7,567.6	7,524.4	13.7	14.0	-108.99	-36.1	-325.3	282.0	256.3	25.65	10.992						
7,700.0	7,423.1	7,508.2	7,478.5	13.6	13.9	-101.42	1.5	-324.3	229.8	203.7	26.10	8.804						
7,800.0	7,429.0	7,452.0	7,431.7	13.8	13.8	-90.48	32.5	-323.1	205.5	178.9	26.59	7.728						
7,821.0	7,429.0	7,441.3	7,422.5	13.8	13.8	-87.89	37.9	-322.8	204.7	178.0	26.66	7.676 SF						
7,900.0	7,429.0	7,406.5	7,391.7	14.1	13.7	-79.34	54.2	-322.0	216.3	189.6	26.70	8.099						
8,000.0	7,429.0	7,372.0	7,360.4	14.7	13.7	-71.01	68.5	-321.1	260.4	233.7	26.65	9.770						
8,100.0	7,429.0	7,350.0	7,339.9	15.5	13.6	-65.91	76.6	-320.5	326.3	299.5	26.80	12.178						
8,200.0	7,429.0	7,324.0	7,315.4	16.4	13.6	-60.25	85.2	-319.7	404.3	377.5	26.81	15.080						
8,300.0	7,429.0	7,300.0	7,292.4	17.4	13.6	-55.44	92.1	-319.0	489.3	462.4	26.85	18.220						

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4C-32H-O268 - 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	1.0	1.0	0.0	0.0	-95.92	-5.7	-55.0	55.3					
100.0	100.0	101.0	101.0	0.1	0.2	-95.92	-5.7	-55.0	55.3	55.0	0.30	185.378		
200.0	200.0	201.0	201.0	0.3	0.3	-95.92	-5.7	-55.0	55.3	54.7	0.65	85.444		
300.0	300.0	301.0	301.0	0.5	0.5	-95.92	-5.7	-55.0	55.3	54.3	1.00	55.516		
400.0	400.0	401.0	401.0	0.7	0.7	75.26	-5.7	-55.0	55.1	53.8	1.35	40.926		
500.0	500.0	501.0	501.0	0.9	0.8	77.93	-5.7	-55.0	54.5	52.8	1.70	32.066		
600.0	599.9	601.7	601.7	1.0	1.0	83.03	-5.3	-54.2	53.0	50.9	2.06	25.709		
700.0	699.7	701.8	701.8	1.2	1.2	91.46	-4.0	-52.1	50.7	48.2	2.43	20.820		
793.8	793.2	795.2	795.1	1.4	1.4	101.88	-2.7	-49.8	49.7	46.9	2.79	17.780 CC		
800.0	799.4	801.3	801.2	1.4	1.4	102.63	-2.7	-49.6	49.7	46.9	2.82	17.634 ES		
900.0	898.9	900.7	900.6	1.7	1.6	115.09	-1.3	-47.2	51.1	47.9	3.20	16.003		
1,000.0	998.5	1,000.1	999.9	1.9	1.7	126.43	0.1	-44.8	54.9	51.3	3.56	15.421		
1,100.0	1,098.1	1,099.4	1,099.2	2.1	1.9	136.00	1.5	-42.3	60.5	56.6	3.91	15.472		
1,200.0	1,197.7	1,198.8	1,198.6	2.3	2.1	143.78	2.8	-39.9	67.5	63.3	4.25	15.875		
1,300.0	1,297.3	1,298.2	1,297.9	2.6	2.3	150.02	4.2	-37.4	75.6	71.0	4.59	16.449		
1,400.0	1,396.8	1,397.6	1,397.2	2.8	2.4	155.02	5.6	-35.0	84.3	79.4	4.93	17.094		
1,500.0	1,496.4	1,496.9	1,496.6	3.0	2.6	159.06	7.0	-32.6	93.6	88.3	5.27	17.752		
1,600.0	1,596.0	1,596.3	1,595.9	3.3	2.8	162.36	8.3	-30.1	103.2	97.6	5.61	18.395		
1,700.0	1,695.6	1,695.7	1,695.3	3.5	3.0	165.10	9.7	-27.7	113.1	107.2	5.95	19.006		
1,800.0	1,795.1	1,795.1	1,794.6	3.7	3.2	167.38	11.1	-25.3	123.2	117.0	6.29	19.582		
1,900.0	1,894.7	1,894.4	1,893.9	4.0	3.3	169.32	12.5	-22.8	133.5	126.9	6.64	20.119		
2,000.0	1,994.3	1,993.8	1,993.3	4.2	3.5	170.98	13.8	-20.4	144.0	137.0	6.98	20.619		
2,100.0	2,093.9	2,093.2	2,092.6	4.4	3.7	172.42	15.2	-18.0	154.5	147.2	7.33	21.083		
2,200.0	2,193.5	2,192.6	2,191.9	4.7	3.9	173.67	16.6	-15.5	165.1	157.4	7.67	21.515		
2,300.0	2,293.0	2,291.9	2,291.3	4.9	4.1	174.77	18.0	-13.1	175.8	167.8	8.02	21.915		
2,400.0	2,392.6	2,391.3	2,390.6	5.1	4.2	175.74	19.3	-10.7	186.5	178.2	8.37	22.288		
2,500.0	2,492.2	2,490.7	2,489.9	5.4	4.4	176.61	20.7	-8.2	197.3	188.6	8.72	22.635		
2,600.0	2,591.8	2,590.1	2,589.3	5.6	4.6	177.39	22.1	-5.8	208.2	199.1	9.07	22.958		
2,700.0	2,691.3	2,689.4	2,688.6	5.9	4.8	178.09	23.5	-3.4	219.0	209.6	9.42	23.261		
2,800.0	2,790.9	2,788.8	2,787.9	6.1	5.0	178.72	24.9	-0.9	229.9	220.1	9.77	23.544		
2,900.0	2,890.5	2,888.2	2,887.3	6.3	5.1	179.30	26.2	1.5	240.8	230.7	10.11	23.809		
3,000.0	2,990.1	2,987.6	2,986.6	6.6	5.3	179.83	27.6	4.0	251.8	241.3	10.46	24.058		
3,100.0	3,089.6	3,086.9	3,085.9	6.8	5.5	-179.69	29.0	6.4	262.7	251.9	10.82	24.292		
3,200.0	3,189.2	3,186.3	3,185.3	7.0	5.7	-179.24	30.4	8.8	273.7	262.5	11.17	24.512		
3,300.0	3,288.8	3,285.7	3,284.6	7.3	5.9	-178.83	31.7	11.3	284.7	273.2	11.52	24.720		
3,400.0	3,388.4	3,385.1	3,383.9	7.5	6.0	-178.46	33.1	13.7	295.7	283.8	11.87	24.917		
3,500.0	3,488.0	3,484.4	3,483.3	7.7	6.2	-178.10	34.5	16.1	306.7	294.5	12.22	25.103		
3,600.0	3,587.5	3,583.8	3,582.6	8.0	6.4	-177.77	35.9	18.6	317.7	305.2	12.57	25.279		
3,700.0	3,687.1	3,683.2	3,682.0	8.2	6.6	-177.47	37.2	21.0	328.8	315.8	12.92	25.446		
3,800.0	3,786.7	3,782.5	3,781.3	8.4	6.8	-177.18	38.6	23.4	339.8	326.5	13.27	25.604		
3,900.0	3,886.3	3,881.9	3,880.6	8.7	6.9	-176.91	40.0	25.9	350.9	337.2	13.62	25.755		
4,000.0	3,985.8	3,981.3	3,980.0	8.9	7.1	-176.66	41.4	28.3	361.9	347.9	13.97	25.899		
4,100.0	4,085.4	4,080.7	4,079.3	9.2	7.3	-176.43	42.7	30.7	373.0	358.7	14.33	26.036		
4,200.0	4,185.0	4,180.0	4,178.6	9.4	7.5	-176.20	44.1	33.2	384.1	369.4	14.68	26.166		
4,300.0	4,284.6	4,279.4	4,278.0	9.6	7.7	-175.99	45.5	35.6	395.1	380.1	15.03	26.291		
4,400.0	4,384.1	4,378.8	4,377.3	9.9	7.8	-175.79	46.9	38.1	406.2	390.8	15.38	26.410		
4,500.0	4,483.7	4,478.2	4,476.6	10.1	8.0	-175.61	48.2	40.5	417.3	401.6	15.73	26.524		
4,600.0	4,583.3	4,577.5	4,576.0	10.3	8.2	-175.43	49.6	42.9	428.4	412.3	16.09	26.633		
4,700.0	4,682.9	4,676.9	4,675.3	10.6	8.4	-175.26	51.0	45.4	439.5	423.1	16.44	26.738		
4,800.0	4,782.5	4,776.3	4,774.6	10.8	8.6	-175.10	52.4	47.8	450.6	433.8	16.79	26.838		
4,900.0	4,882.0	4,875.7	4,874.0	11.1	8.7	-174.94	53.7	50.2	461.7	444.5	17.14	26.935		
5,000.0	4,981.6	4,975.0	4,973.3	11.3	8.9	-174.80	55.1	52.7	472.8	455.3	17.49	27.027		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4C-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
5,100.0	5,081.2	5,074.4	5,072.6	11.5	9.1	-174.66	56.5	55.1	483.9	466.1	17.85	27.116		
5,200.0	5,180.8	5,173.8	5,172.0	11.8	9.3	-174.52	57.9	57.5	495.0	476.8	18.20	27.202		
7,100.0	7,068.6	7,795.9	7,429.0	15.5	16.9	124.12	-529.1	112.9	418.9	389.0	29.87	14.025		
7,200.0	7,157.7	7,743.9	7,428.8	15.1	16.3	123.61	-477.0	112.9	346.8	318.0	28.83	12.030		
7,300.0	7,237.7	7,657.4	7,420.1	14.7	15.4	114.80	-391.1	112.6	286.7	258.3	28.41	10.093		
7,400.0	7,306.1	7,584.1	7,402.6	14.3	14.8	105.01	-319.9	112.2	243.4	215.3	28.08	8.667		
7,500.0	7,360.8	7,517.8	7,379.1	13.9	14.3	93.39	-258.0	111.6	224.3	196.6	27.69	8.102 SF		
7,519.3	7,369.7	7,505.6	7,374.0	13.9	14.2	90.95	-246.9	111.5	223.8	196.2	27.58	8.114		
7,600.0	7,400.2	7,455.6	7,350.7	13.7	13.8	80.35	-202.7	110.9	232.1	205.2	26.85	8.644		
7,700.0	7,423.1	7,400.0	7,320.4	13.6	13.5	67.96	-156.1	110.2	260.6	235.1	25.50	10.220		
7,800.0	7,429.0	7,338.3	7,281.6	13.8	13.3	56.60	-108.2	109.3	300.3	276.5	23.88	12.576		
7,900.0	7,429.0	7,287.3	7,245.9	14.1	13.1	50.67	-71.9	108.4	350.6	327.5	23.13	15.160		
8,000.0	7,429.0	7,250.0	7,217.7	14.7	13.0	46.59	-47.4	107.7	411.5	388.7	22.80	18.050		
8,100.0	7,429.0	7,200.0	7,177.6	15.5	12.9	41.59	-17.6	106.7	480.4	458.1	22.31	21.534		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4D-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	1.0	1.0	0.0	0.0	-89.69	0.3	-50.0	50.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	0.3	-50.0	50.0	49.7	0.30	167.531		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	0.3	-50.0	50.0	49.4	0.65	77.218		
300.0	300.0	301.0	301.0	0.5	0.5	-89.69	0.3	-50.0	50.0	49.0	1.00	50.171		
400.0	400.0	401.0	401.0	0.7	0.7	81.60	0.3	-50.0	49.9	48.5	1.35	37.038		
500.0	500.0	501.0	501.0	0.9	0.8	84.60	0.3	-50.0	49.6	47.9	1.70	29.155		
600.0	599.9	601.7	601.7	1.0	1.0	90.11	0.5	-49.1	48.5	46.4	2.06	23.533		
700.0	699.7	702.1	702.1	1.2	1.2	98.99	1.1	-46.5	46.6	44.2	2.43	19.168		
800.0	799.4	802.2	802.1	1.4	1.4	111.89	2.1	-42.3	45.3	42.5	2.81	16.091		
821.8	821.1	824.0	823.8	1.5	1.4	115.20	2.4	-41.1	45.2	42.3	2.90	15.608 CC, ES		
900.0	898.9	901.8	901.5	1.7	1.6	127.93	3.6	-36.3	46.2	43.0	3.19	14.474		
1,000.0	998.5	1,001.0	1,000.4	1.9	1.8	143.72	5.3	-29.1	50.1	46.6	3.55	14.128 SF		
1,100.0	1,098.1	1,100.0	1,099.1	2.1	2.0	156.49	7.1	-21.9	57.3	53.4	3.90	14.686		
1,200.0	1,197.7	1,199.0	1,197.9	2.3	2.2	166.09	8.8	-14.7	66.6	62.4	4.26	15.660		
1,300.0	1,297.3	1,298.0	1,296.6	2.6	2.4	173.20	10.6	-7.4	77.4	72.8	4.62	16.770		
1,400.0	1,396.8	1,397.1	1,395.3	2.8	2.6	178.53	12.3	-0.2	89.0	84.1	4.98	17.883		
1,500.0	1,496.4	1,496.1	1,494.1	3.0	2.8	-177.39	14.1	7.0	101.3	95.9	5.35	18.940		
1,600.0	1,596.0	1,595.1	1,592.8	3.3	3.0	-174.20	15.8	14.3	113.9	108.2	5.72	19.922		
1,700.0	1,695.6	1,694.1	1,691.6	3.5	3.2	-171.66	17.6	21.5	126.8	120.7	6.09	20.824		
1,800.0	1,795.1	1,793.2	1,790.3	3.7	3.4	-169.58	19.3	28.7	139.9	133.4	6.46	21.647		
1,900.0	1,894.7	1,892.2	1,889.0	4.0	3.7	-167.86	21.1	36.0	153.1	146.3	6.84	22.399		
2,000.0	1,994.3	1,991.2	1,987.8	4.2	3.9	-166.42	22.8	43.2	166.5	159.3	7.21	23.085		
2,100.0	2,093.9	2,090.2	2,086.5	4.4	4.1	-165.19	24.6	50.5	180.0	172.4	7.59	23.713		
2,200.0	2,193.5	2,189.2	2,185.3	4.7	4.3	-164.13	26.3	57.7	193.5	185.5	7.97	24.289		
2,300.0	2,293.0	2,288.3	2,284.0	4.9	4.5	-163.21	28.1	64.9	207.1	198.7	8.34	24.819		
2,400.0	2,392.6	2,387.3	2,382.8	5.1	4.7	-162.40	29.8	72.2	220.7	212.0	8.72	25.306		
2,500.0	2,492.2	2,486.3	2,481.5	5.4	4.9	-161.69	31.6	79.4	234.4	225.3	9.10	25.757		
2,600.0	2,591.8	2,585.3	2,580.2	5.6	5.1	-161.06	33.3	86.6	248.1	238.6	9.48	26.174		
2,700.0	2,691.3	2,684.3	2,679.0	5.9	5.4	-160.49	35.1	93.9	261.8	251.9	9.86	26.561		
2,800.0	2,790.9	2,783.4	2,777.7	6.1	5.6	-159.98	36.8	101.1	275.5	265.3	10.23	26.922		
2,900.0	2,890.5	2,882.4	2,876.5	6.3	5.8	-159.51	38.6	108.3	289.3	278.7	10.61	27.258		
3,000.0	2,990.1	2,981.4	2,975.2	6.6	6.0	-159.09	40.3	115.6	303.1	292.1	10.99	27.572		
3,100.0	3,089.6	3,080.4	3,073.9	6.8	6.2	-158.71	42.1	122.8	316.9	305.5	11.37	27.866		
3,200.0	3,189.2	3,179.5	3,172.7	7.0	6.4	-158.36	43.8	130.0	330.7	319.0	11.75	28.142		
3,300.0	3,288.8	3,278.5	3,271.4	7.3	6.7	-158.03	45.6	137.3	344.5	332.4	12.13	28.402		
3,400.0	3,388.4	3,377.5	3,370.2	7.5	6.9	-157.73	47.3	144.5	358.4	345.8	12.51	28.646		
3,500.0	3,488.0	3,476.5	3,468.9	7.7	7.1	-157.46	49.1	151.8	372.2	359.3	12.89	28.877		
3,600.0	3,587.5	3,575.5	3,567.7	8.0	7.3	-157.20	50.8	159.0	386.0	372.8	13.27	29.094		
3,700.0	3,687.1	3,674.6	3,666.4	8.2	7.5	-156.96	52.6	166.2	399.9	386.3	13.65	29.300		
3,800.0	3,786.7	3,773.6	3,765.1	8.4	7.7	-156.74	54.3	173.5	413.8	399.7	14.03	29.496		
3,900.0	3,886.3	3,872.6	3,863.9	8.7	7.9	-156.53	56.1	180.7	427.6	413.2	14.41	29.681		
4,000.0	3,985.8	3,971.6	3,962.6	8.9	8.2	-156.34	57.8	187.9	441.5	426.7	14.79	29.857		
4,100.0	4,085.4	4,070.7	4,061.4	9.2	8.4	-156.15	59.6	195.2	455.4	440.2	15.17	30.024		
4,200.0	4,185.0	4,169.7	4,160.1	9.4	8.6	-155.98	61.4	202.4	469.3	453.7	15.55	30.183		
4,300.0	4,284.6	4,268.7	4,258.9	9.6	8.8	-155.82	63.1	209.6	483.2	467.2	15.93	30.335		
4,400.0	4,384.1	4,367.7	4,357.6	9.9	9.0	-155.66	64.9	216.9	497.0	480.7	16.31	30.480		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4E-32H-O268 - 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	1.0	1.0	0.0	0.0	-99.42	-5.8	-35.0	35.5					
100.0	100.0	101.0	101.0	0.1	0.2	-99.42	-5.8	-35.0	35.5	35.2	0.30	118.983		
200.0	200.0	201.0	201.0	0.3	0.3	-99.42	-5.8	-35.0	35.5	34.9	0.65	54.841		
300.0	300.0	301.0	301.0	0.5	0.5	-99.42	-5.8	-35.0	35.5	34.5	1.00	35.632		
400.0	400.0	401.0	401.0	0.7	0.7	72.22	-5.8	-35.0	35.2	33.9	1.35	26.172		
500.0	500.0	501.0	501.0	0.9	0.8	76.37	-5.8	-35.0	34.5	32.8	1.70	20.318		
600.0	599.9	600.9	600.9	1.0	1.0	83.58	-5.8	-35.0	33.8	31.7	2.06	16.394		
665.2	664.9	665.9	665.9	1.2	1.1	90.00	-5.8	-35.0	33.6	31.3	2.30	14.580 CC		
700.0	699.7	700.7	700.7	1.2	1.2	93.95	-5.8	-35.0	33.6	31.2	2.43	13.839 ES		
800.0	799.4	800.4	800.4	1.4	1.4	106.80	-5.8	-35.0	35.1	32.3	2.81	12.484		
900.0	898.9	899.9	899.9	1.7	1.5	119.80	-5.8	-35.0	38.7	35.5	3.18	12.179 SF		
1,000.0	998.5	999.9	999.9	1.9	1.7	131.23	-5.7	-34.2	43.6	40.0	3.53	12.337		
1,100.0	1,098.1	1,099.7	1,099.6	2.1	1.9	141.98	-5.2	-31.6	49.2	45.4	3.87	12.719		
1,200.0	1,197.7	1,199.2	1,199.1	2.3	2.1	152.02	-4.5	-27.3	56.0	51.8	4.20	13.323		
1,300.0	1,297.3	1,298.5	1,298.2	2.6	2.3	161.26	-3.5	-21.4	64.0	59.5	4.53	14.126		
1,400.0	1,396.8	1,397.4	1,396.8	2.8	2.5	169.61	-2.1	-13.8	73.6	68.8	4.88	15.097		
1,500.0	1,496.4	1,496.0	1,494.9	3.0	2.7	177.03	-0.5	-4.5	84.9	79.7	5.24	16.204		
1,600.0	1,596.0	1,594.2	1,592.5	3.3	2.9	-176.45	1.3	6.3	97.9	92.3	5.62	17.421		
1,700.0	1,695.6	1,692.7	1,690.3	3.5	3.1	-171.24	3.3	17.7	112.1	106.1	6.01	18.649		
1,800.0	1,795.1	1,791.2	1,788.2	3.7	3.3	-167.22	5.3	29.1	127.0	120.6	6.41	19.821		
1,900.0	1,894.7	1,889.8	1,886.0	4.0	3.6	-164.05	7.2	40.5	142.4	135.6	6.81	20.917		
2,000.0	1,994.3	1,988.3	1,983.9	4.2	3.8	-161.50	9.2	51.8	158.2	151.0	7.21	21.936		
2,100.0	2,093.9	2,086.8	2,081.7	4.4	4.1	-159.42	11.2	63.2	174.2	166.6	7.61	22.877		
2,200.0	2,193.5	2,185.4	2,179.6	4.7	4.3	-157.69	13.1	74.6	190.4	182.4	8.02	23.747		
2,300.0	2,293.0	2,283.9	2,277.4	4.9	4.6	-156.22	15.1	86.0	206.7	198.3	8.42	24.550		
2,400.0	2,392.6	2,382.4	2,375.3	5.1	4.8	-154.98	17.1	97.4	223.1	214.3	8.82	25.293		
2,500.0	2,492.2	2,480.9	2,473.1	5.4	5.1	-153.90	19.0	108.7	239.7	230.5	9.23	25.980		
2,600.0	2,591.8	2,579.5	2,571.0	5.6	5.3	-152.96	21.0	120.1	256.3	246.7	9.63	26.618		
2,700.0	2,691.3	2,678.0	2,668.8	5.9	5.6	-152.14	23.0	131.5	272.9	262.9	10.03	27.211		
2,800.0	2,790.9	2,776.5	2,766.7	6.1	5.8	-151.41	24.9	142.9	289.7	279.2	10.43	27.763		
2,900.0	2,890.5	2,875.1	2,864.5	6.3	6.1	-150.76	26.9	154.3	306.4	295.6	10.84	28.278		
3,000.0	2,990.1	2,973.6	2,962.4	6.6	6.3	-150.18	28.9	165.7	323.2	311.9	11.24	28.759		
3,100.0	3,089.6	3,072.1	3,060.2	6.8	6.6	-149.66	30.9	177.0	340.0	328.4	11.64	29.210		
3,200.0	3,189.2	3,170.7	3,158.1	7.0	6.9	-149.18	32.8	188.4	356.8	344.8	12.04	29.633		
3,300.0	3,288.8	3,269.2	3,256.0	7.3	7.1	-148.75	34.8	199.8	373.7	361.3	12.44	30.030		
3,400.0	3,388.4	3,367.7	3,353.8	7.5	7.4	-148.36	36.8	211.2	390.6	377.7	12.85	30.404		
3,500.0	3,488.0	3,466.3	3,451.7	7.7	7.6	-148.00	38.7	222.6	407.5	394.2	13.25	30.757		
3,600.0	3,587.5	3,564.8	3,549.5	8.0	7.9	-147.66	40.7	233.9	424.4	410.7	13.65	31.090		
3,700.0	3,687.1	3,663.3	3,647.4	8.2	8.2	-147.35	42.7	245.3	441.3	427.3	14.05	31.406		
3,800.0	3,786.7	3,761.8	3,745.2	8.4	8.4	-147.07	44.6	256.7	458.2	443.8	14.45	31.704		
3,900.0	3,886.3	3,860.4	3,843.1	8.7	8.7	-146.80	46.6	268.1	475.2	460.3	14.86	31.987		
4,000.0	3,985.8	3,958.9	3,940.9	8.9	8.9	-146.56	48.6	279.5	492.1	476.9	15.26	32.256		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4F-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	1.0	1.0	0.0	0.0	-89.69	0.2	-30.0	30.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	0.2	-30.0	30.0	29.7	0.30	100.519		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	0.2	-30.0	30.0	29.4	0.65	46.331		
300.0	300.0	301.0	301.0	0.5	0.5	-89.69	0.2	-30.0	30.0	29.0	1.00	30.103		
400.0	400.0	401.0	401.0	0.7	0.7	82.26	0.2	-30.0	29.9	28.5	1.35	22.186		
500.0	500.0	501.0	501.0	0.9	0.8	87.28	0.2	-30.0	29.6	27.9	1.70	17.434		
600.0	599.9	601.4	601.4	1.0	1.0	98.69	1.3	-28.6	28.8	26.7	2.06	13.953		
652.8	652.6	654.2	654.2	1.1	1.1	108.77	2.8	-26.8	28.4	26.2	2.26	12.576 CC, ES		
700.0	699.7	701.2	701.0	1.2	1.2	119.98	4.7	-24.6	28.9	26.5	2.44	11.869 SF		
800.0	799.4	800.0	799.5	1.4	1.4	145.87	10.2	-18.0	34.8	32.0	2.80	12.417		
900.0	898.9	897.3	896.0	1.7	1.7	165.73	17.8	-8.9	48.6	45.5	3.16	15.381		
1,000.0	998.5	995.6	993.3	1.9	1.9	177.97	26.1	2.1	66.5	63.0	3.52	18.885		
1,100.0	1,098.1	1,094.0	1,090.7	2.1	2.2	-174.12	33.1	14.3	85.2	81.3	3.89	21.898		
1,200.0	1,197.7	1,192.4	1,188.1	2.3	2.5	-168.26	38.9	27.8	104.2	99.9	4.27	24.398		
1,300.0	1,297.3	1,290.8	1,285.3	2.6	2.8	-163.47	43.6	42.4	123.4	118.7	4.66	26.461		
1,400.0	1,396.8	1,389.2	1,382.3	2.8	3.1	-159.33	47.0	58.1	142.7	137.6	5.07	28.173		
1,500.0	1,496.4	1,487.1	1,478.7	3.0	3.4	-155.70	49.4	74.8	162.3	156.8	5.47	29.658		
1,600.0	1,596.0	1,584.7	1,574.8	3.3	3.7	-152.80	51.6	91.6	182.3	176.4	5.88	31.005		
1,700.0	1,695.6	1,682.3	1,670.9	3.5	4.0	-150.48	53.8	108.4	202.7	196.4	6.29	32.225		
1,800.0	1,795.1	1,779.8	1,767.1	3.7	4.3	-148.58	56.1	125.1	223.4	216.7	6.70	33.329		
1,900.0	1,894.7	1,877.4	1,863.2	4.0	4.7	-147.01	58.3	141.9	244.3	237.1	7.12	34.328		
2,000.0	1,994.3	1,975.0	1,959.3	4.2	5.0	-145.68	60.5	158.7	265.3	257.7	7.53	35.233		
2,100.0	2,093.9	2,072.6	2,055.4	4.4	5.3	-144.54	62.8	175.5	286.4	278.5	7.94	36.057		
2,200.0	2,193.5	2,170.2	2,151.5	4.7	5.7	-143.57	65.0	192.2	307.6	299.3	8.36	36.808		
2,300.0	2,293.0	2,267.8	2,247.7	4.9	6.0	-142.71	67.3	209.0	328.9	320.2	8.77	37.495		
2,400.0	2,392.6	2,365.4	2,343.8	5.1	6.3	-141.97	69.5	225.8	350.3	341.1	9.19	38.125		
2,500.0	2,492.2	2,463.0	2,439.9	5.4	6.7	-141.30	71.7	242.5	371.7	362.1	9.60	38.705		
2,600.0	2,591.8	2,560.6	2,536.0	5.6	7.0	-140.71	74.0	259.3	393.1	383.1	10.02	39.240		
2,700.0	2,691.3	2,658.2	2,632.1	5.9	7.3	-140.19	76.2	276.1	414.6	404.2	10.44	39.735		
2,800.0	2,790.9	2,755.8	2,728.2	6.1	7.7	-139.71	78.4	292.8	436.2	425.3	10.85	40.194		
2,900.0	2,890.5	2,853.4	2,824.4	6.3	8.0	-139.28	80.7	309.6	457.7	446.4	11.27	40.621		
3,000.0	2,990.1	2,951.0	2,920.5	6.6	8.4	-138.88	82.9	326.4	479.3	467.6	11.68	41.020		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4G-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	1.0	1.0	0.0	0.0	-103.19	-5.9	-25.0	25.7					
100.0	100.0	101.0	101.0	0.1	0.2	-103.19	-5.9	-25.0	25.7	25.4	0.30	86.144		
200.0	200.0	201.0	201.0	0.3	0.3	-103.19	-5.9	-25.0	25.7	25.1	0.65	39.705		
300.0	300.0	301.0	301.0	0.5	0.5	-103.19	-5.9	-25.0	25.7	24.7	1.00	25.798		
400.0	400.0	401.0	401.0	0.7	0.7	68.93	-5.9	-25.0	25.4	24.0	1.35	18.855		
500.0	500.0	501.0	501.0	0.9	0.8	74.64	-5.9	-25.0	24.6	22.9	1.70	14.456		
600.0	599.9	600.9	600.9	1.0	1.0	84.83	-5.9	-25.0	23.8	21.7	2.06	11.547		
638.6	638.4	639.4	639.4	1.1	1.1	90.00	-5.9	-25.0	23.7	21.5	2.20	10.753 CC, ES		
700.0	699.7	700.7	700.7	1.2	1.2	99.46	-5.9	-25.0	24.0	21.6	2.43	9.885		
800.0	799.4	800.7	800.7	1.4	1.4	117.02	-5.9	-24.6	26.1	23.3	2.80	9.321		
900.0	898.9	900.9	900.8	1.7	1.6	137.36	-6.0	-21.1	29.2	26.0	3.15	9.274 SF		
1,000.0	998.5	1,000.6	1,000.3	1.9	1.7	157.85	-6.2	-14.1	34.1	30.6	3.48	9.805		
1,100.0	1,098.1	1,099.6	1,098.7	2.1	2.0	176.49	-6.6	-3.7	42.2	38.4	3.84	11.003		
1,200.0	1,197.7	1,197.9	1,196.2	2.3	2.2	-168.45	-7.1	9.7	54.2	50.0	4.25	12.771		
1,300.0	1,297.3	1,296.0	1,293.0	2.6	2.5	-157.69	-8.1	24.9	69.1	64.4	4.69	14.751		
1,400.0	1,396.8	1,393.5	1,389.1	2.8	2.7	-149.83	-9.6	41.6	86.2	81.0	5.14	16.770		
1,500.0	1,496.4	1,490.5	1,484.4	3.0	3.1	-143.82	-11.6	59.7	105.1	99.5	5.60	18.768		
1,600.0	1,596.0	1,586.9	1,578.7	3.3	3.4	-139.03	-14.0	79.3	125.7	119.6	6.06	20.730		
1,700.0	1,695.6	1,682.7	1,672.1	3.5	3.8	-135.09	-16.9	100.2	147.8	141.3	6.53	22.651		
1,800.0	1,795.1	1,778.2	1,764.9	3.7	4.2	-131.77	-20.3	122.4	171.5	164.5	6.99	24.543		
1,900.0	1,894.7	1,874.8	1,858.7	4.0	4.6	-129.11	-23.9	145.4	196.0	188.5	7.45	26.308		
2,000.0	1,994.3	1,971.4	1,952.4	4.2	5.0	-127.04	-27.5	168.4	220.8	212.9	7.91	27.919		
2,100.0	2,093.9	2,068.0	2,046.2	4.4	5.4	-125.39	-31.0	191.5	245.7	237.4	8.36	29.389		
2,200.0	2,193.5	2,164.6	2,139.9	4.7	5.8	-124.04	-34.6	214.5	270.9	262.1	8.81	30.730		
2,300.0	2,293.0	2,261.2	2,233.7	4.9	6.3	-122.92	-38.2	237.5	296.1	286.9	9.27	31.956		
2,400.0	2,392.6	2,357.8	2,327.5	5.1	6.7	-121.98	-41.7	260.5	321.5	311.8	9.72	33.081		
2,500.0	2,492.2	2,454.4	2,421.2	5.4	7.1	-121.17	-45.3	283.5	346.9	336.7	10.17	34.114		
2,600.0	2,591.8	2,551.0	2,515.0	5.6	7.6	-120.47	-48.9	306.5	372.4	361.8	10.62	35.066		
2,700.0	2,691.3	2,647.6	2,608.8	5.9	8.0	-119.87	-52.5	329.5	397.9	386.8	11.07	35.946		
2,800.0	2,790.9	2,744.2	2,702.5	6.1	8.5	-119.33	-56.0	352.5	423.4	411.9	11.52	36.762		
2,900.0	2,890.5	2,840.9	2,796.3	6.3	8.9	-118.86	-59.6	375.5	449.0	437.1	11.97	37.519		
3,000.0	2,990.1	2,937.5	2,890.0	6.6	9.3	-118.44	-63.2	398.5	474.6	462.2	12.42	38.223		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4H-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	1.0	1.0	0.0	0.0	-89.69	0.1	-20.0	20.0					
100.0	100.0	101.0	101.0	0.1	0.2	-89.69	0.1	-20.0	20.0	19.7	0.30	67.013		
200.0	200.0	201.0	201.0	0.3	0.3	-89.69	0.1	-20.0	20.0	19.4	0.65	30.887		
300.0	300.0	301.0	301.0	0.5	0.5	-89.69	0.1	-20.0	20.0	19.0	1.00	20.069		
400.0	400.0	401.0	401.0	0.7	0.7	83.09	0.1	-20.0	19.9	18.5	1.35	14.763		
493.4	493.4	494.4	494.4	0.8	0.8	90.00	0.1	-20.0	19.7	18.1	1.68	11.770 CC		
500.0	500.0	501.0	501.0	0.9	0.8	90.66	0.1	-20.0	19.7	18.0	1.70	11.611 ES		
600.0	599.9	600.9	600.9	1.0	1.0	103.07	0.1	-20.0	20.3	18.2	2.06	9.840		
700.0	699.7	700.7	700.7	1.2	1.2	118.40	0.1	-20.0	22.4	20.0	2.42	9.269 SF		
800.0	799.4	800.6	800.6	1.4	1.4	134.71	0.2	-19.1	26.6	23.8	2.78	9.575		
900.0	898.9	900.3	900.3	1.7	1.5	150.07	0.3	-16.5	32.8	29.7	3.12	10.510		
1,000.0	998.5	999.8	999.7	1.9	1.7	162.55	0.5	-12.2	40.4	36.9	3.46	11.684		
1,100.0	1,098.1	1,099.1	1,098.8	2.1	1.9	172.80	0.8	-6.1	49.4	45.6	3.81	12.987		
1,200.0	1,197.7	1,198.1	1,197.4	2.3	2.1	-178.67	1.2	1.6	60.0	55.8	4.17	14.368		
1,300.0	1,297.3	1,296.6	1,295.6	2.6	2.3	-171.49	1.6	11.0	72.0	67.4	4.56	15.798		
1,400.0	1,396.8	1,394.8	1,393.1	2.8	2.6	-165.41	2.2	22.0	85.6	80.6	4.96	17.263		
1,500.0	1,496.4	1,492.5	1,490.0	3.0	2.8	-160.21	2.8	34.7	100.8	95.4	5.37	18.755		
1,600.0	1,596.0	1,589.7	1,586.1	3.3	3.1	-155.74	3.5	48.8	117.5	111.8	5.80	20.272		
1,700.0	1,695.6	1,686.2	1,681.4	3.5	3.3	-151.86	4.3	64.6	136.0	129.7	6.23	21.811		
1,800.0	1,795.1	1,782.2	1,775.8	3.7	3.7	-148.49	5.2	81.8	156.0	149.3	6.67	23.371		
1,900.0	1,894.7	1,877.5	1,869.2	4.0	4.0	-145.53	6.1	100.4	177.6	170.5	7.12	24.950		
2,000.0	1,994.3	1,972.0	1,961.6	4.2	4.3	-142.92	7.1	120.4	200.8	193.2	7.56	26.545		
2,100.0	2,093.9	2,065.8	2,052.9	4.4	4.7	-140.60	8.2	141.8	225.6	217.6	8.01	28.157		
2,200.0	2,193.5	2,158.8	2,143.1	4.7	5.1	-138.54	9.3	164.5	251.9	243.5	8.46	29.782		
2,300.0	2,293.0	2,250.9	2,232.1	4.9	5.5	-136.69	10.5	188.4	279.8	270.9	8.91	31.418		
2,400.0	2,392.6	2,342.2	2,319.8	5.1	6.0	-135.02	11.7	213.4	309.3	299.9	9.35	33.073		
2,500.0	2,492.2	2,436.5	2,410.2	5.4	6.5	-133.50	13.1	240.3	339.7	329.9	9.80	34.662		
2,600.0	2,591.8	2,531.4	2,501.2	5.6	6.9	-132.23	14.4	267.2	370.4	360.1	10.25	36.137		
2,700.0	2,691.3	2,626.3	2,592.1	5.9	7.4	-131.14	15.7	294.2	401.2	390.5	10.69	37.511		
2,800.0	2,790.9	2,721.2	2,683.1	6.1	7.9	-130.22	17.1	321.2	432.1	420.9	11.14	38.792		
2,900.0	2,890.5	2,816.1	2,774.1	6.3	8.4	-129.41	18.4	348.2	463.1	451.5	11.58	39.987		
3,000.0	2,990.1	2,910.9	2,865.0	6.6	8.9	-128.71	19.8	375.2	494.2	482.1	12.02	41.105		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4I-32H-O268 - 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	-139.89	-6.0	-5.0	7.8					
100.0	100.0	100.0	100.0	0.1	0.1	-139.89	-6.0	-5.0	7.8	7.5	0.30	26.323		
200.0	200.0	200.0	200.0	0.3	0.3	-139.89	-6.0	-5.0	7.8	7.2	0.65	12.094 CC, ES		
300.0	300.0	299.9	299.8	0.5	0.5	-139.39	-6.6	-5.6	8.7	7.7	0.99	8.726		
400.0	400.0	399.7	399.6	0.7	0.7	34.42	-8.4	-7.5	10.6	9.2	1.34	7.857		
500.0	500.0	499.4	499.3	0.9	0.9	41.32	-11.5	-10.6	12.8	11.2	1.69	7.582		
600.0	599.9	599.1	598.8	1.0	1.1	49.44	-15.8	-14.9	15.8	13.7	2.05	7.694		
700.0	699.7	698.7	698.1	1.2	1.3	57.38	-21.3	-20.4	19.6	17.2	2.43	8.075		
800.0	799.4	798.4	797.4	1.4	1.5	64.73	-27.8	-26.9	24.2	21.4	2.83	8.543		
900.0	898.9	898.3	896.8	1.7	1.7	71.91	-34.5	-33.6	28.8	25.5	3.26	8.814		
1,000.0	998.5	998.1	996.2	1.9	2.0	77.18	-41.2	-40.3	33.6	29.9	3.71	9.074		
1,100.0	1,098.1	1,098.0	1,095.6	2.1	2.2	81.09	-47.9	-47.0	38.7	34.6	4.16	9.313		
1,200.0	1,197.7	1,197.8	1,194.9	2.3	2.4	84.09	-54.5	-53.6	44.0	39.4	4.62	9.526		
1,300.0	1,297.3	1,297.6	1,294.3	2.6	2.7	86.44	-61.2	-60.3	49.3	44.2	5.08	9.715		
1,400.0	1,396.8	1,397.5	1,393.7	2.8	2.9	88.33	-67.9	-67.0	54.7	49.2	5.54	9.881		
1,500.0	1,496.4	1,497.3	1,493.1	3.0	3.1	89.88	-74.5	-73.7	60.1	54.1	6.00	10.028		
1,600.0	1,596.0	1,597.2	1,592.5	3.3	3.4	91.17	-81.2	-80.3	65.6	59.2	6.46	10.158		
1,700.0	1,695.6	1,697.0	1,691.9	3.5	3.6	92.26	-87.9	-87.0	71.1	64.2	6.92	10.273		
1,800.0	1,795.1	1,796.8	1,791.3	3.7	3.9	93.20	-94.5	-93.7	76.7	69.3	7.39	10.377		
1,900.0	1,894.7	1,896.7	1,890.7	4.0	4.1	94.00	-101.2	-100.4	82.2	74.4	7.85	10.470		
2,000.0	1,994.3	1,996.5	1,990.1	4.2	4.3	94.71	-107.9	-107.1	87.8	79.5	8.32	10.554		
2,100.0	2,093.9	2,096.4	2,089.5	4.4	4.6	95.33	-114.5	-113.7	93.4	84.6	8.78	10.631		
2,200.0	2,193.5	2,196.2	2,188.9	4.7	4.8	95.88	-121.2	-120.4	98.9	89.7	9.25	10.700		
2,300.0	2,293.0	2,296.0	2,288.3	4.9	5.0	96.38	-127.9	-127.1	104.5	94.8	9.71	10.763		
2,400.0	2,392.6	2,395.9	2,387.7	5.1	5.3	96.82	-134.5	-133.8	110.1	100.0	10.18	10.822		
2,500.0	2,492.2	2,495.7	2,487.1	5.4	5.5	97.22	-141.2	-140.4	115.7	105.1	10.64	10.875		
2,600.0	2,591.8	2,595.6	2,586.4	5.6	5.8	97.58	-147.9	-147.1	121.3	110.2	11.11	10.925		
2,700.0	2,691.3	2,695.4	2,685.8	5.9	6.0	97.91	-154.6	-153.8	127.0	115.4	11.57	10.970		
2,800.0	2,790.9	2,795.2	2,785.2	6.1	6.2	98.22	-161.2	-160.5	132.6	120.5	12.04	11.013		
2,900.0	2,890.5	2,895.1	2,884.6	6.3	6.5	98.50	-167.9	-167.1	138.2	125.7	12.50	11.052		
3,000.0	2,990.1	2,994.9	2,984.0	6.6	6.7	98.75	-174.6	-173.8	143.8	130.9	12.97	11.089		
3,100.0	3,089.6	3,094.8	3,083.4	6.8	7.0	98.99	-181.2	-180.5	149.4	136.0	13.44	11.124		
3,200.0	3,189.2	3,194.6	3,182.8	7.0	7.2	99.21	-187.9	-187.2	155.1	141.2	13.90	11.156		
3,300.0	3,288.8	3,294.4	3,282.2	7.3	7.4	99.41	-194.6	-193.9	160.7	146.3	14.37	11.186		
3,400.0	3,388.4	3,394.3	3,381.6	7.5	7.7	99.60	-201.2	-200.5	166.3	151.5	14.83	11.215		
3,500.0	3,488.0	3,494.1	3,481.0	7.7	7.9	99.78	-207.9	-207.2	172.0	156.7	15.30	11.242		
3,600.0	3,587.5	3,593.9	3,580.4	8.0	8.2	99.95	-214.6	-213.9	177.6	161.9	15.76	11.267		
3,700.0	3,687.1	3,693.8	3,679.8	8.2	8.4	100.11	-221.2	-220.6	183.3	167.0	16.23	11.291		
3,800.0	3,786.7	3,793.6	3,779.2	8.4	8.6	100.25	-227.9	-227.2	188.9	172.2	16.70	11.314		
3,900.0	3,886.3	3,893.5	3,878.6	8.7	8.9	100.39	-234.6	-233.9	194.5	177.4	17.16	11.335		
4,000.0	3,985.8	3,993.3	3,977.9	8.9	9.1	100.52	-241.2	-240.6	200.2	182.6	17.63	11.356		
4,100.0	4,085.4	4,093.1	4,077.3	9.2	9.4	100.65	-247.9	-247.3	205.8	187.7	18.09	11.375		
4,200.0	4,185.0	4,193.0	4,176.7	9.4	9.6	100.76	-254.6	-253.9	211.5	192.9	18.56	11.394		
4,300.0	4,284.6	4,292.8	4,276.1	9.6	9.8	100.88	-261.3	-260.6	217.1	198.1	19.03	11.412		
4,400.0	4,384.1	4,392.7	4,375.5	9.9	10.1	100.98	-267.9	-267.3	222.8	203.3	19.49	11.428		
4,500.0	4,483.7	4,492.5	4,474.9	10.1	10.3	101.08	-274.6	-274.0	228.4	208.4	19.96	11.444		
4,600.0	4,583.3	4,592.3	4,574.3	10.3	10.6	101.18	-281.3	-280.6	234.1	213.6	20.42	11.460		
4,700.0	4,682.9	4,692.2	4,673.7	10.6	10.8	101.27	-287.9	-287.3	239.7	218.8	20.89	11.474		
4,800.0	4,782.5	4,792.0	4,773.1	10.8	11.0	101.35	-294.6	-294.0	245.3	224.0	21.36	11.489		
4,900.0	4,882.0	4,891.9	4,872.5	11.1	11.3	101.44	-301.3	-300.7	251.0	229.2	21.82	11.502		
5,000.0	4,981.6	4,991.7	4,971.9	11.3	11.5	101.52	-307.9	-307.4	256.6	234.4	22.29	11.515		
5,100.0	5,081.2	5,091.5	5,071.3	11.5	11.8	101.59	-314.6	-314.0	262.3	239.5	22.75	11.527		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4I-32H-O268 - 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	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Total	Separation	Warning	
Depth	Depth	Depth	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Uncertainty	Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	Axis			
5,200.0	5,180.8	5,191.4	5,170.7	11.8	12.0	101.66	-321.3	-320.7	267.9	244.7	23.22	11.539		
5,300.0	5,280.3	5,291.2	5,270.1	12.0	12.2	101.73	-327.9	-327.4	273.6	249.9	23.69	11.551		
5,400.0	5,379.9	5,391.1	5,369.4	12.2	12.5	101.80	-334.6	-334.1	279.2	255.1	24.15	11.562		
5,500.0	5,479.5	5,490.9	5,468.8	12.5	12.7	101.86	-341.3	-340.7	284.9	260.3	24.62	11.573		
5,600.0	5,579.1	5,590.7	5,568.2	12.7	12.9	101.93	-347.9	-347.4	290.5	265.5	25.08	11.583		
5,700.0	5,678.6	5,690.6	5,667.6	12.9	13.2	101.99	-354.6	-354.1	296.2	270.6	25.55	11.593		
5,800.0	5,778.2	5,790.4	5,767.0	13.2	13.4	102.04	-361.3	-360.8	301.9	275.8	26.02	11.602		
5,900.0	5,877.8	5,890.3	5,866.4	13.4	13.7	102.10	-368.0	-367.4	307.5	281.0	26.48	11.612		
6,000.0	5,977.4	5,990.1	5,965.8	13.7	13.9	102.15	-374.6	-374.1	313.2	286.2	26.95	11.620		
6,100.0	6,077.0	6,089.9	6,065.2	13.9	14.1	102.20	-381.3	-380.8	318.8	291.4	27.41	11.629		
6,200.0	6,176.5	6,189.8	6,164.6	14.1	14.4	102.25	-388.0	-387.5	324.5	296.6	27.88	11.637		
6,300.0	6,276.1	6,289.6	6,264.0	14.4	14.6	102.30	-394.6	-394.2	330.1	301.8	28.35	11.645		
6,400.0	6,375.7	6,389.5	6,363.4	14.6	14.9	102.34	-401.3	-400.8	335.8	307.0	28.81	11.653		
6,500.0	6,475.3	6,489.3	6,462.8	14.8	15.1	102.39	-408.0	-407.5	341.4	312.1	29.28	11.661		
6,600.0	6,574.8	6,589.1	6,562.2	15.1	15.3	102.43	-414.6	-414.2	347.1	317.3	29.75	11.668		
6,700.0	6,674.4	6,689.0	6,661.5	15.3	15.6	102.47	-421.3	-420.9	352.7	322.5	30.21	11.675		
6,800.0	6,774.0	6,788.8	6,760.9	15.6	15.8	102.51	-428.0	-427.5	358.4	327.7	30.68	11.682		
6,900.0	6,873.8	6,888.6	6,860.3	15.7	16.1	-38.04	-434.6	-434.2	362.4	331.3	31.07	11.664		
7,000.0	6,972.9	6,986.7	6,957.9	15.7	16.3	-65.41	-441.2	-440.8	360.4	329.3	31.10	11.591		
7,100.0	7,068.6	7,080.1	7,050.9	15.5	16.5	-73.33	-447.4	-447.0	354.8	324.0	30.76	11.532		
7,200.0	7,157.7	7,164.2	7,134.7	15.1	16.7	-81.35	-452.1	-452.6	350.4	320.2	30.12	11.630		
7,221.5	7,175.7	7,181.5	7,151.9	15.0	16.7	-82.99	-452.0	-453.8	350.2	320.2	29.95	11.693		
7,300.0	7,237.7	7,247.1	7,217.2	14.7	16.8	-88.94	-446.9	-458.2	352.6	323.3	29.25	12.053		
7,400.0	7,306.1	7,337.6	7,305.3	14.3	16.8	-96.33	-427.8	-464.1	362.8	334.6	28.23	12.853		
7,500.0	7,360.8	7,438.6	7,398.8	13.9	16.7	-103.47	-390.3	-470.4	380.7	353.6	27.12	14.037		
7,600.0	7,400.2	7,555.1	7,496.4	13.7	16.5	-110.36	-327.5	-476.9	404.7	378.7	26.00	15.564		
7,700.0	7,423.1	7,693.6	7,593.1	13.6	16.2	-117.00	-228.9	-483.4	431.6	406.6	24.97	17.281		
7,800.0	7,429.0	7,862.9	7,675.1	13.8	16.1	-123.44	-81.7	-488.9	456.8	432.5	24.23	18.852		
7,900.0	7,429.0	8,069.1	7,712.0	14.1	16.6	-127.29	120.1	-491.4	467.2	442.7	24.51	19.058		
8,000.0	7,429.0	8,169.5	7,712.0	14.7	17.1	-127.42	220.4	-491.4	465.8	440.3	25.52	18.254		
8,100.0	7,429.0	8,269.5	7,712.0	15.5	17.8	-127.55	320.4	-491.4	464.4	437.6	26.76	17.357		
8,200.0	7,429.0	8,369.5	7,712.0	16.4	18.6	-127.68	420.4	-491.4	463.0	434.8	28.21	16.413		
8,300.0	7,429.0	8,469.4	7,712.0	17.4	19.6	-127.81	520.4	-491.4	461.6	431.8	29.85	15.467		
8,400.0	7,429.0	8,569.4	7,712.0	18.6	20.6	-127.95	620.4	-491.4	460.3	428.6	31.63	14.550		
8,500.0	7,429.0	8,669.4	7,712.0	19.8	21.7	-128.08	720.4	-491.4	458.9	425.3	33.54	13.680		
8,600.0	7,429.0	8,769.4	7,712.0	21.1	22.9	-128.22	820.4	-491.4	457.5	422.0	35.56	12.867		
8,700.0	7,429.0	8,869.4	7,712.0	22.5	24.2	-128.35	920.3	-491.4	456.1	418.5	37.65	12.115		
8,800.0	7,429.0	8,969.4	7,712.0	23.9	25.5	-128.49	1,020.3	-491.4	454.8	415.0	39.81	11.422		
8,900.0	7,429.0	9,069.4	7,712.0	25.4	26.9	-128.62	1,120.3	-491.4	453.4	411.4	42.03	10.787		
9,000.0	7,429.0	9,169.3	7,712.0	26.9	28.3	-128.76	1,220.3	-491.4	452.0	407.8	44.30	10.205		
9,100.0	7,429.0	9,269.3	7,712.0	28.4	29.8	-128.90	1,320.3	-491.4	450.7	404.1	46.59	9.673		
9,200.0	7,429.0	9,369.3	7,712.0	30.0	31.3	-129.04	1,420.3	-491.4	449.3	400.4	48.92	9.185		
9,300.0	7,429.0	9,469.3	7,712.0	31.5	32.8	-129.18	1,520.2	-491.4	448.0	396.7	51.27	8.737		
9,400.0	7,429.0	9,569.3	7,712.0	33.1	34.3	-129.32	1,620.2	-491.4	446.6	393.0	53.64	8.326		
9,500.0	7,429.0	9,669.3	7,712.0	34.7	35.9	-129.47	1,720.2	-491.4	445.3	389.2	56.03	7.947		
9,600.0	7,429.0	9,769.2	7,712.0	36.3	37.5	-129.61	1,820.2	-491.4	443.9	385.5	58.42	7.599		
9,700.0	7,429.0	9,869.2	7,712.0	38.0	39.1	-129.75	1,920.2	-491.4	442.6	381.8	60.83	7.276		
9,800.0	7,429.0	9,969.2	7,712.0	39.6	40.7	-129.90	2,020.2	-491.4	441.2	378.0	63.24	6.978		
9,900.0	7,429.0	10,069.2	7,712.0	41.3	42.3	-130.04	2,120.2	-491.4	439.9	374.3	65.65	6.701		
10,000.0	7,429.0	10,169.2	7,712.0	42.9	43.9	-130.19	2,220.1	-491.4	438.6	370.5	68.06	6.444		
10,100.0	7,429.0	10,269.2	7,712.0	44.6	45.5	-130.34	2,320.1	-491.4	437.2	366.8	70.47	6.204		
10,200.0	7,429.0	10,369.2	7,712.0	46.3	47.2	-130.49	2,420.1	-491.4	435.9	363.0	72.88	5.981		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4I-32H-O268 - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
10,300.0	7,429.0	10,469.1	7,712.0	48.0	48.8	-130.64	2,520.1	-491.4	434.6	359.3	75.29	5.772	
10,400.0	7,429.0	10,569.1	7,712.0	49.6	50.5	-130.79	2,620.1	-491.4	433.3	355.6	77.70	5.576	
10,500.0	7,429.0	10,669.1	7,712.0	51.3	52.2	-130.94	2,720.1	-491.4	431.9	351.9	80.09	5.393	
10,600.0	7,429.0	10,769.1	7,712.0	53.0	53.8	-131.09	2,820.1	-491.4	430.6	348.1	82.49	5.221	
10,700.0	7,429.0	10,869.1	7,712.0	54.7	55.5	-131.24	2,920.0	-491.4	429.3	344.4	84.87	5.058	
10,800.0	7,429.0	10,969.1	7,712.0	56.4	57.2	-131.40	3,020.0	-491.4	428.0	340.8	87.25	4.905	
10,900.0	7,429.0	11,069.1	7,712.0	58.1	58.9	-131.55	3,120.0	-491.4	426.7	337.1	89.62	4.761	
11,000.0	7,429.0	11,169.0	7,712.0	59.8	60.6	-131.71	3,220.0	-491.4	425.4	333.4	91.98	4.625	
11,100.0	7,429.0	11,269.0	7,712.0	61.5	62.2	-131.86	3,320.0	-491.4	424.1	329.8	94.33	4.496	
11,200.0	7,429.0	11,369.0	7,712.0	63.3	63.9	-132.02	3,420.0	-491.4	422.8	326.1	96.67	4.374	
11,300.0	7,429.0	11,469.0	7,712.0	65.0	65.6	-132.18	3,519.9	-491.4	421.5	322.5	99.00	4.258	
11,400.0	7,429.0	11,569.0	7,712.0	66.7	67.3	-132.34	3,619.9	-491.4	420.2	318.9	101.32	4.147	
11,500.0	7,429.0	11,669.0	7,712.0	68.4	69.0	-132.50	3,719.9	-491.4	418.9	315.3	103.63	4.043	
11,600.0	7,429.0	11,768.9	7,712.0	70.1	70.7	-132.66	3,819.9	-491.4	417.6	311.7	105.92	3.943	
11,700.0	7,429.0	11,868.9	7,712.0	71.8	72.5	-132.83	3,919.9	-491.4	416.4	308.1	108.20	3.848	
11,800.0	7,429.0	11,968.9	7,712.0	73.6	74.2	-132.99	4,019.9	-491.4	415.1	304.6	110.47	3.757	
11,900.0	7,429.0	12,068.9	7,712.0	75.3	75.9	-133.15	4,119.9	-491.4	413.8	301.1	112.73	3.671	
12,000.0	7,429.0	12,168.9	7,712.0	77.0	77.6	-133.32	4,219.8	-491.4	412.5	297.6	114.97	3.588	
12,047.3	7,429.0	12,216.2	7,712.0	77.8	78.4	-133.40	4,267.2	-491.4	411.9	295.9	116.03	3.550 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4K-32H-O268 - 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	140.50	-6.0	5.0	7.8					
100.0	100.0	100.0	100.0	0.1	0.1	140.50	-6.0	5.0	7.8	7.5	0.30	26.323		
200.0	200.0	200.0	200.0	0.3	0.3	140.50	-6.0	5.0	7.8	7.2	0.65	12.094		
300.0	300.0	300.0	300.0	0.5	0.5	140.50	-6.0	5.0	7.8	6.8	0.99	7.851		
400.0	400.0	400.0	400.0	0.7	0.7	-54.42	-6.0	5.0	7.3	5.9	1.34	5.408		
482.5	482.5	482.4	482.4	0.8	0.8	-66.93	-6.6	5.2	6.8	5.2	1.64	4.168 CC		
500.0	500.0	499.9	499.9	0.9	0.8	-70.27	-6.8	5.4	6.8	5.1	1.70	4.030 ES		
600.0	599.9	599.7	599.7	1.0	1.0	-89.75	-9.1	6.6	8.0	6.0	2.06	3.891		
700.0	699.7	699.6	699.4	1.2	1.2	-103.68	-13.0	8.6	11.0	8.5	2.44	4.496		
800.0	799.4	799.4	799.1	1.4	1.4	-111.23	-18.4	11.4	15.4	12.5	2.83	5.428		
900.0	898.9	899.2	898.5	1.7	1.6	-113.89	-25.3	15.0	20.9	17.6	3.25	6.420		
1,000.0	998.5	998.9	997.8	1.9	1.8	-112.07	-33.7	19.4	26.8	23.1	3.68	7.266		
1,100.0	1,098.1	1,098.7	1,097.2	2.1	2.1	-110.17	-42.5	23.9	32.8	28.7	4.13	7.950		
1,200.0	1,197.7	1,198.5	1,196.5	2.3	2.3	-108.86	-51.3	28.5	38.9	34.3	4.58	8.498		
1,300.0	1,297.3	1,298.4	1,295.8	2.6	2.5	-107.91	-60.1	33.1	45.0	40.0	5.03	8.945		
1,400.0	1,396.8	1,398.2	1,395.1	2.8	2.8	-107.19	-68.9	37.6	51.1	45.6	5.48	9.315		
1,500.0	1,496.4	1,498.0	1,494.4	3.0	3.0	-106.62	-77.7	42.2	57.2	51.3	5.94	9.626		
1,600.0	1,596.0	1,597.8	1,593.8	3.3	3.2	-106.16	-86.5	46.8	63.3	56.9	6.40	9.890		
1,700.0	1,695.6	1,697.6	1,693.1	3.5	3.5	-105.78	-95.3	51.4	69.4	62.6	6.86	10.118		
1,800.0	1,795.1	1,797.4	1,792.4	3.7	3.7	-105.46	-104.1	55.9	75.5	68.2	7.32	10.316		
1,900.0	1,894.7	1,897.2	1,891.7	4.0	3.9	-105.19	-112.9	60.5	81.7	73.9	7.78	10.489		
2,000.0	1,994.3	1,997.0	1,991.0	4.2	4.2	-104.96	-121.7	65.1	87.8	79.5	8.25	10.643		
2,100.0	2,093.9	2,096.9	2,090.3	4.4	4.4	-104.76	-130.5	69.6	93.9	85.2	8.71	10.779		
2,200.0	2,193.5	2,196.7	2,189.7	4.7	4.7	-104.58	-139.3	74.2	100.0	90.8	9.18	10.901		
2,300.0	2,293.0	2,296.5	2,289.0	4.9	4.9	-104.42	-148.1	78.8	106.1	96.5	9.64	11.011		
2,400.0	2,392.6	2,396.3	2,388.3	5.1	5.2	-104.28	-156.9	83.4	112.3	102.2	10.10	11.110		
2,500.0	2,492.2	2,496.1	2,487.6	5.4	5.4	-104.16	-165.7	87.9	118.4	107.8	10.57	11.201		
2,600.0	2,591.8	2,595.9	2,586.9	5.6	5.6	-104.04	-174.5	92.5	124.5	113.5	11.04	11.283		
2,700.0	2,691.3	2,695.7	2,686.3	5.9	5.9	-103.94	-183.2	97.1	130.6	119.1	11.50	11.359		
2,800.0	2,790.9	2,795.5	2,785.6	6.1	6.1	-103.85	-192.0	101.6	136.8	124.8	11.97	11.428		
2,900.0	2,890.5	2,895.3	2,884.9	6.3	6.4	-103.76	-200.8	106.2	142.9	130.5	12.43	11.493		
3,000.0	2,990.1	2,995.2	2,984.2	6.6	6.6	-103.68	-209.6	110.8	149.0	136.1	12.90	11.552		
3,100.0	3,089.6	3,095.0	3,083.5	6.8	6.9	-103.61	-218.4	115.4	155.2	141.8	13.37	11.607		
3,200.0	3,189.2	3,194.8	3,182.8	7.0	7.1	-103.55	-227.2	119.9	161.3	147.4	13.83	11.659		
3,300.0	3,288.8	3,294.6	3,282.2	7.3	7.4	-103.48	-236.0	124.5	167.4	153.1	14.30	11.706		
3,400.0	3,388.4	3,394.4	3,381.5	7.5	7.6	-103.43	-244.8	129.1	173.5	158.8	14.77	11.751		
3,500.0	3,488.0	3,494.2	3,480.8	7.7	7.8	-103.37	-253.6	133.6	179.7	164.4	15.23	11.793		
3,600.0	3,587.5	3,594.0	3,580.1	8.0	8.1	-103.32	-262.4	138.2	185.8	170.1	15.70	11.832		
3,700.0	3,687.1	3,693.8	3,679.4	8.2	8.3	-103.28	-271.2	142.8	191.9	175.8	16.17	11.869		
3,800.0	3,786.7	3,793.7	3,778.8	8.4	8.6	-103.23	-280.0	147.4	198.1	181.4	16.64	11.904		
3,900.0	3,886.3	3,893.5	3,878.1	8.7	8.8	-103.19	-288.8	151.9	204.2	187.1	17.10	11.937		
4,000.0	3,985.8	3,993.3	3,977.4	8.9	9.1	-103.15	-297.6	156.5	210.3	192.7	17.57	11.969		
4,100.0	4,085.4	4,093.1	4,076.7	9.2	9.3	-103.12	-306.4	161.1	216.4	198.4	18.04	11.998		
4,200.0	4,185.0	4,192.9	4,176.0	9.4	9.6	-103.08	-315.2	165.6	222.6	204.1	18.51	12.026		
4,300.0	4,284.6	4,292.7	4,275.3	9.6	9.8	-103.05	-324.0	170.2	228.7	209.7	18.97	12.053		
4,400.0	4,384.1	4,392.5	4,374.7	9.9	10.0	-103.02	-332.8	174.8	234.8	215.4	19.44	12.078		
4,500.0	4,483.7	4,492.3	4,474.0	10.1	10.3	-102.99	-341.6	179.4	241.0	221.0	19.91	12.102		
4,600.0	4,583.3	4,592.2	4,573.3	10.3	10.5	-102.96	-350.4	183.9	247.1	226.7	20.38	12.125		
4,700.0	4,682.9	4,692.0	4,672.6	10.6	10.8	-102.93	-359.2	188.5	253.2	232.4	20.85	12.147		
4,800.0	4,782.5	4,791.8	4,771.9	10.8	11.0	-102.91	-368.0	193.1	259.3	238.0	21.31	12.168		
4,900.0	4,882.0	4,891.6	4,871.3	11.1	11.3	-102.88	-376.8	197.6	265.5	243.7	21.78	12.188		
5,000.0	4,981.6	4,991.4	4,970.6	11.3	11.5	-102.86	-385.6	202.2	271.6	249.4	22.25	12.207		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4K-32H-O268 - 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	5,081.2	5,091.2	5,069.9	11.5	11.8	-102.84	-394.4	206.8	277.7	255.0	22.72	12.225		
5,200.0	5,180.8	5,191.0	5,169.2	11.8	12.0	-102.82	-403.2	211.4	283.9	260.7	23.19	12.243		
5,300.0	5,280.3	5,290.8	5,268.5	12.0	12.2	-102.80	-411.9	215.9	290.0	266.3	23.65	12.260		
5,400.0	5,379.9	5,390.6	5,367.8	12.2	12.5	-102.78	-420.7	220.5	296.1	272.0	24.12	12.276		
5,500.0	5,479.5	5,490.5	5,467.2	12.5	12.7	-102.76	-429.5	225.1	302.2	277.7	24.59	12.291		
5,600.0	5,579.1	5,590.3	5,566.5	12.7	13.0	-102.74	-438.3	229.6	308.4	283.3	25.06	12.306		
5,700.0	5,678.6	5,690.1	5,665.8	12.9	13.2	-102.72	-447.1	234.2	314.5	289.0	25.53	12.321		
5,800.0	5,778.2	5,789.9	5,765.1	13.2	13.5	-102.71	-455.9	238.8	320.6	294.6	26.00	12.335		
5,900.0	5,877.8	5,889.7	5,864.4	13.4	13.7	-102.69	-464.7	243.4	326.8	300.3	26.46	12.348		
6,000.0	5,977.4	5,989.5	5,963.8	13.7	14.0	-102.68	-473.5	247.9	332.9	306.0	26.93	12.361		
6,100.0	6,077.0	6,089.3	6,063.1	13.9	14.2	-102.66	-482.3	252.5	339.0	311.6	27.40	12.373		
6,200.0	6,176.5	6,189.1	6,162.4	14.1	14.5	-102.65	-491.1	257.1	345.2	317.3	27.87	12.385		
6,300.0	6,276.1	6,289.0	6,261.7	14.4	14.7	-102.63	-499.9	261.6	351.3	323.0	28.34	12.397		
6,400.0	6,375.7	6,388.8	6,361.0	14.6	14.9	-102.62	-508.7	266.2	357.4	328.6	28.80	12.408		
6,500.0	6,475.3	6,488.6	6,460.4	14.8	15.2	-102.61	-517.5	270.8	363.5	334.3	29.27	12.419		
6,600.0	6,574.8	6,588.4	6,559.7	15.1	15.4	-102.60	-526.3	275.4	369.7	339.9	29.74	12.430		
6,700.0	6,674.4	6,688.2	6,659.0	15.3	15.7	-102.58	-535.1	279.9	375.8	345.6	30.21	12.440		
6,800.0	6,774.0	6,788.0	6,758.3	15.6	15.9	-102.57	-543.9	284.5	381.9	351.3	30.68	12.450		
6,900.0	6,873.8	6,887.7	6,857.5	15.7	16.2	-117.45	-552.7	289.1	387.9	356.9	31.07	12.487		
7,000.0	6,972.9	6,985.2	6,954.5	15.7	16.4	95.52	-561.3	293.5	394.0	362.9	31.18	12.638		
7,100.0	7,068.6	7,077.7	7,046.6	15.5	16.6	97.41	-569.4	297.8	402.6	371.6	30.99	12.990		
7,200.0	7,157.7	7,172.1	7,140.6	15.1	16.8	101.80	-575.3	302.0	417.0	386.5	30.46	13.690		
7,300.0	7,237.7	7,283.0	7,250.8	14.7	16.8	106.94	-564.3	306.4	436.5	407.0	29.50	14.799		
7,400.0	7,306.1	7,410.9	7,372.3	14.3	16.6	112.03	-525.5	310.2	459.0	430.8	28.18	16.289		
7,500.0	7,360.8	7,561.2	7,499.9	13.9	16.1	116.85	-447.1	313.0	481.4	454.8	26.64	18.068		
7,600.0	7,400.2	7,738.0	7,618.0	13.7	15.4	120.88	-316.4	313.5	499.8	474.5	25.24	19.799		
8,500.0	7,429.0	8,808.1	7,712.0	19.8	20.9	124.54	734.7	280.8	499.2	464.3	34.95	14.283		
8,600.0	7,429.0	8,908.1	7,712.0	21.1	22.1	124.65	834.6	277.3	497.8	460.7	37.06	13.433		
8,700.0	7,429.0	9,008.0	7,712.0	22.5	23.5	124.77	934.6	273.8	496.3	457.1	39.25	12.646		
8,800.0	7,429.0	9,108.0	7,712.0	23.9	24.9	124.88	1,034.5	270.3	494.9	453.4	41.52	11.920		
8,900.0	7,429.0	9,208.0	7,712.0	25.4	26.3	125.00	1,134.4	266.8	493.5	449.6	43.85	11.254		
9,000.0	7,429.0	9,308.0	7,712.0	26.9	27.7	125.11	1,234.3	263.4	492.0	445.8	46.23	10.643		
9,100.0	7,429.0	9,408.0	7,712.0	28.4	29.2	125.23	1,334.3	259.9	490.6	442.0	48.65	10.084		
9,200.0	7,429.0	9,508.0	7,712.0	30.0	30.8	125.35	1,434.2	256.4	489.2	438.1	51.11	9.571		
9,300.0	7,429.0	9,608.0	7,712.0	31.5	32.3	125.47	1,534.1	252.9	487.8	434.2	53.59	9.101		
9,400.0	7,429.0	9,707.9	7,712.0	33.1	33.9	125.59	1,634.0	249.4	486.4	430.3	56.10	8.669		
9,500.0	7,429.0	9,807.9	7,712.0	34.7	35.4	125.71	1,734.0	245.9	484.9	426.3	58.63	8.271		
9,600.0	7,429.0	9,907.9	7,712.0	36.3	37.0	125.83	1,833.9	242.4	483.5	422.3	61.17	7.905		
9,700.0	7,429.0	10,007.9	7,712.0	38.0	38.7	125.95	1,933.8	238.9	482.1	418.4	63.72	7.566		
9,800.0	7,429.0	10,107.9	7,712.0	39.6	40.3	126.07	2,033.7	235.4	480.7	414.4	66.28	7.252		
9,900.0	7,429.0	10,207.9	7,712.0	41.3	41.9	126.19	2,133.7	231.9	479.3	410.4	68.85	6.961		
10,000.0	7,429.0	10,307.9	7,712.0	42.9	43.6	126.32	2,233.6	228.5	477.9	406.4	71.43	6.690		
10,100.0	7,429.0	10,407.8	7,712.0	44.6	45.2	126.44	2,333.5	225.0	476.5	402.5	74.00	6.438		
10,200.0	7,429.0	10,507.8	7,712.0	46.3	46.9	126.57	2,433.4	221.5	475.1	398.5	76.58	6.203		
10,300.0	7,429.0	10,607.8	7,712.0	48.0	48.5	126.69	2,533.4	218.0	473.7	394.5	79.16	5.984		
10,400.0	7,429.0	10,707.8	7,712.0	49.6	50.2	126.82	2,633.3	214.5	472.3	390.5	81.74	5.778		
10,500.0	7,429.0	10,807.8	7,712.0	51.3	51.9	126.95	2,733.2	211.0	470.9	386.6	84.32	5.584		
10,600.0	7,429.0	10,907.8	7,712.0	53.0	53.6	127.07	2,833.1	207.5	469.5	382.6	86.89	5.403		
10,700.0	7,429.0	11,007.7	7,712.0	54.7	55.3	127.20	2,933.0	204.0	468.1	378.6	89.46	5.232		
10,800.0	7,429.0	11,107.7	7,712.0	56.4	57.0	127.33	3,033.0	200.5	466.7	374.7	92.03	5.071		
10,900.0	7,429.0	11,207.7	7,712.0	58.1	58.6	127.46	3,132.9	197.1	465.3	370.7	94.59	4.919		
11,000.0	7,429.0	11,307.7	7,712.0	59.8	60.3	127.59	3,232.8	193.6	463.9	366.8	97.15	4.775		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4K-32H-O268 - 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	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis						
11,100.0	7,429.0	11,407.7	7,712.0	61.5	62.0	127.73	3,332.7	190.1	462.5	362.8	99.70	4.639					
11,200.0	7,429.0	11,507.7	7,712.0	63.3	63.8	127.86	3,432.7	186.6	461.2	358.9	102.24	4.511					
11,300.0	7,429.0	11,607.7	7,712.0	65.0	65.5	127.99	3,532.6	183.1	459.8	355.0	104.78	4.388					
11,400.0	7,429.0	11,707.6	7,712.0	66.7	67.2	128.13	3,632.5	179.6	458.4	351.1	107.31	4.272					
11,500.0	7,429.0	11,807.6	7,712.0	68.4	68.9	128.26	3,732.4	176.1	457.0	347.2	109.83	4.161					
11,600.0	7,429.0	11,907.6	7,712.0	70.1	70.6	128.40	3,832.4	172.6	455.7	343.3	112.34	4.056					
11,700.0	7,429.0	12,007.6	7,712.0	71.8	72.3	128.53	3,932.3	169.1	454.3	339.5	114.84	3.956					
11,800.0	7,429.0	12,107.6	7,712.0	73.6	74.0	128.67	4,032.2	165.6	452.9	335.6	117.34	3.860					
11,900.0	7,429.0	12,207.6	7,712.0	75.3	75.7	128.81	4,132.1	162.2	451.6	331.8	119.82	3.769					
12,000.0	7,429.0	12,307.5	7,712.0	77.0	77.5	128.95	4,232.1	158.7	450.2	327.9	122.30	3.681					
12,037.6	7,429.0	12,339.0	7,712.0	77.7	78.0	128.99	4,263.5	157.6	449.8	326.6	123.16	3.652					
12,047.3	7,429.0	12,339.0	7,712.0	77.8	78.0	128.99	4,263.5	157.6	449.9	326.6	123.29	3.649 SF					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4L-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.31	-0.1	10.0	10.0					
100.0	100.0	100.0	100.0	0.1	0.1	90.31	-0.1	10.0	10.0	9.7	0.30	33.703		
200.0	200.0	200.0	200.0	0.3	0.3	90.31	-0.1	10.0	10.0	9.4	0.65	15.485		
300.0	300.0	300.0	300.0	0.5	0.5	90.31	-0.1	10.0	10.0	9.0	0.99	10.052 CC		
400.0	400.0	400.0	400.0	0.7	0.7	-104.24	-0.1	10.0	10.2	8.8	1.34	7.571 ES		
500.0	500.0	500.0	500.0	0.9	0.8	-117.42	-0.1	10.0	11.1	9.4	1.70	6.552 SF		
600.0	599.9	599.8	599.8	1.0	1.0	-130.24	-0.7	10.6	13.8	11.8	2.05	6.734		
700.0	699.7	699.7	699.6	1.2	1.2	-136.75	-2.7	12.3	18.3	15.9	2.41	7.606		
800.0	799.4	799.5	799.3	1.4	1.4	-139.14	-6.0	15.1	24.3	21.6	2.78	8.756		
900.0	898.9	899.2	898.9	1.7	1.6	-138.90	-10.6	19.1	31.4	28.2	3.17	9.909		
1,000.0	998.5	998.9	998.3	1.9	1.8	-136.24	-16.5	24.1	38.5	35.0	3.57	10.782		
1,100.0	1,098.1	1,098.5	1,097.4	2.1	2.0	-132.26	-23.7	30.4	46.0	42.0	4.01	11.470		
1,200.0	1,197.7	1,198.0	1,196.2	2.3	2.2	-127.58	-32.3	37.7	53.9	49.4	4.46	12.072		
1,300.0	1,297.3	1,297.5	1,295.0	2.6	2.5	-123.07	-41.7	45.8	62.4	57.5	4.93	12.655		
1,400.0	1,396.8	1,397.0	1,393.7	2.8	2.7	-119.63	-51.1	53.9	71.3	65.9	5.40	13.190		
1,500.0	1,496.4	1,496.5	1,492.4	3.0	3.0	-116.96	-60.6	62.0	80.3	74.5	5.88	13.671		
1,600.0	1,596.0	1,596.0	1,591.2	3.3	3.3	-114.83	-70.0	70.1	89.5	83.2	6.35	14.103		
1,700.0	1,695.6	1,695.6	1,689.9	3.5	3.5	-113.09	-79.5	78.2	98.8	92.0	6.82	14.490		
1,800.0	1,795.1	1,795.1	1,788.7	3.7	3.8	-111.66	-88.9	86.3	108.2	100.9	7.29	14.838		
1,900.0	1,894.7	1,894.6	1,887.4	4.0	4.1	-110.45	-98.4	94.4	117.6	109.8	7.76	15.150		
2,000.0	1,994.3	1,994.2	1,986.2	4.2	4.3	-109.43	-107.8	102.6	127.0	118.8	8.23	15.433		
2,100.0	2,093.9	2,093.7	2,084.9	4.4	4.6	-108.54	-117.3	110.7	136.5	127.8	8.70	15.689		
2,200.0	2,193.5	2,193.2	2,183.7	4.7	4.9	-107.78	-126.7	118.8	146.1	136.9	9.17	15.921		
2,300.0	2,293.0	2,292.7	2,282.4	4.9	5.1	-107.10	-136.2	126.9	155.6	146.0	9.64	16.134		
2,400.0	2,392.6	2,392.3	2,381.2	5.1	5.4	-106.50	-145.6	135.0	165.2	155.0	10.12	16.329		
2,500.0	2,492.2	2,491.8	2,479.9	5.4	5.7	-105.97	-155.1	143.1	174.7	164.2	10.59	16.507		
2,600.0	2,591.8	2,591.3	2,578.6	5.6	6.0	-105.50	-164.5	151.3	184.3	173.3	11.06	16.672		
2,700.0	2,691.3	2,690.8	2,677.4	5.9	6.2	-105.07	-173.9	159.4	193.9	182.4	11.53	16.825		
2,800.0	2,790.9	2,790.4	2,776.1	6.1	6.5	-104.68	-183.4	167.5	203.6	191.6	12.00	16.966		
2,900.0	2,890.5	2,889.9	2,874.9	6.3	6.8	-104.33	-192.8	175.6	213.2	200.7	12.47	17.097		
3,000.0	2,990.1	2,989.4	2,973.6	6.6	7.1	-104.00	-202.3	183.7	222.8	209.9	12.94	17.220		
3,100.0	3,089.6	3,089.0	3,072.4	6.8	7.3	-103.71	-211.7	191.8	232.4	219.0	13.41	17.334		
3,200.0	3,189.2	3,188.5	3,171.1	7.0	7.6	-103.44	-221.2	200.0	242.1	228.2	13.88	17.441		
3,300.0	3,288.8	3,288.0	3,269.9	7.3	7.9	-103.18	-230.6	208.1	251.7	237.4	14.35	17.541		
3,400.0	3,388.4	3,387.5	3,368.6	7.5	8.2	-102.95	-240.1	216.2	261.4	246.6	14.82	17.635		
3,500.0	3,488.0	3,487.1	3,467.4	7.7	8.4	-102.73	-249.5	224.3	271.0	255.7	15.29	17.724		
3,600.0	3,587.5	3,586.6	3,566.1	8.0	8.7	-102.53	-259.0	232.4	280.7	264.9	15.76	17.807		
3,700.0	3,687.1	3,686.1	3,664.8	8.2	9.0	-102.34	-268.4	240.5	290.4	274.1	16.23	17.886		
3,800.0	3,786.7	3,785.6	3,763.6	8.4	9.3	-102.17	-277.9	248.6	300.0	283.3	16.70	17.961		
3,900.0	3,886.3	3,885.2	3,862.3	8.7	9.5	-102.00	-287.3	256.8	309.7	292.5	17.18	18.031		
4,000.0	3,985.8	3,984.7	3,961.1	8.9	9.8	-101.85	-296.8	264.9	319.4	301.7	17.65	18.098		
4,100.0	4,085.4	4,084.2	4,059.8	9.2	10.1	-101.70	-306.2	273.0	329.0	310.9	18.12	18.162		
4,200.0	4,185.0	4,183.8	4,158.6	9.4	10.4	-101.56	-315.7	281.1	338.7	320.1	18.59	18.222		
4,300.0	4,284.6	4,283.3	4,257.3	9.6	10.6	-101.43	-325.1	289.2	348.4	329.3	19.06	18.280		
4,400.0	4,384.1	4,382.8	4,356.1	9.9	10.9	-101.31	-334.6	297.3	358.1	338.5	19.53	18.335		
4,500.0	4,483.7	4,482.3	4,454.8	10.1	11.2	-101.20	-344.0	305.5	367.7	347.7	20.00	18.387		
4,600.0	4,583.3	4,581.9	4,553.5	10.3	11.5	-101.09	-353.5	313.6	377.4	357.0	20.47	18.437		
4,700.0	4,682.9	4,681.4	4,652.3	10.6	11.8	-100.98	-362.9	321.7	387.1	366.2	20.94	18.485		
4,800.0	4,782.5	4,780.9	4,751.0	10.8	12.0	-100.88	-372.3	329.8	396.8	375.4	21.41	18.531		
4,900.0	4,882.0	4,880.5	4,849.8	11.1	12.3	-100.79	-381.8	337.9	406.5	384.6	21.88	18.575		
5,000.0	4,981.6	4,980.0	4,948.5	11.3	12.6	-100.69	-391.2	346.0	416.2	393.8	22.35	18.617		
5,100.0	5,081.2	5,079.5	5,047.3	11.5	12.9	-100.61	-400.7	354.2	425.9	403.0	22.82	18.658		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4L-32H-O268 - Hz - Plan #1													<b>Offset Site Error:</b>	0.0 ft
<b>Survey Program:</b> 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		
5,200.0	5,180.8	5,179.0	5,146.0	11.8	13.1	-100.53	-410.1	362.3	435.5	412.2	23.30	18.696		
5,300.0	5,280.3	5,278.6	5,244.8	12.0	13.4	-100.45	-419.6	370.4	445.2	421.5	23.77	18.734		
5,400.0	5,379.9	5,378.1	5,343.5	12.2	13.7	-100.37	-429.0	378.5	454.9	430.7	24.24	18.770		
5,500.0	5,479.5	5,477.6	5,442.3	12.5	14.0	-100.30	-438.5	386.6	464.6	439.9	24.71	18.804		
5,600.0	5,579.1	5,577.1	5,541.0	12.7	14.3	-100.23	-447.9	394.7	474.3	449.1	25.18	18.837		
5,700.0	5,678.6	5,676.7	5,639.7	12.9	14.5	-100.16	-457.4	402.8	484.0	458.3	25.65	18.869		
5,800.0	5,778.2	5,776.2	5,738.5	13.2	14.8	-100.10	-466.8	411.0	493.7	467.6	26.12	18.900		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4M-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	93.97	-2.2	31.7	31.8					
100.0	100.0	100.0	100.0	0.1	0.1	93.97	-2.2	31.7	31.8	31.5	0.30	107.070		
200.0	200.0	200.0	200.0	0.3	0.3	93.97	-2.2	31.7	31.8	31.1	0.65	49.194		
300.0	300.0	300.0	300.0	0.5	0.5	93.97	-2.2	31.7	31.8	30.8	0.99	31.933 CC		
400.0	400.0	400.0	400.0	0.7	0.7	-97.29	-2.2	31.7	31.9	30.5	1.34	23.701 ES		
500.0	500.0	500.0	500.0	0.9	0.8	-101.89	-2.2	31.7	32.3	30.6	1.70	19.029		
600.0	599.9	599.9	599.9	1.0	1.0	-109.20	-2.2	31.7	33.5	31.4	2.06	16.282		
700.0	699.7	699.3	699.3	1.2	1.2	-117.24	-2.7	32.4	36.4	34.0	2.42	15.060		
800.0	799.4	798.7	798.7	1.4	1.4	-123.83	-4.3	34.4	41.8	39.0	2.79	14.988 SF		
900.0	898.9	898.0	897.9	1.7	1.6	-128.21	-6.9	37.9	49.1	46.0	3.17	15.514		
1,000.0	998.5	997.3	997.0	1.9	1.7	-129.89	-10.5	42.7	57.3	53.8	3.55	16.130		
1,100.0	1,098.1	1,096.5	1,095.9	2.1	1.9	-129.75	-15.2	48.8	66.2	62.2	3.96	16.733		
1,200.0	1,197.7	1,195.6	1,194.5	2.3	2.2	-128.45	-20.9	56.3	75.8	71.4	4.38	17.311		
1,300.0	1,297.3	1,294.4	1,292.7	2.6	2.4	-126.40	-27.6	65.2	86.1	81.3	4.81	17.879		
1,400.0	1,396.8	1,393.0	1,390.4	2.8	2.6	-123.90	-35.3	75.3	97.3	92.0	5.27	18.461		
1,500.0	1,496.4	1,491.3	1,487.7	3.0	2.9	-121.16	-44.0	86.8	109.5	103.8	5.74	19.083		
1,600.0	1,596.0	1,590.3	1,585.5	3.3	3.2	-118.65	-53.3	98.9	122.4	116.2	6.21	19.697		
1,700.0	1,695.6	1,689.4	1,683.4	3.5	3.5	-116.61	-62.5	111.1	135.4	128.7	6.69	20.253		
1,800.0	1,795.1	1,788.4	1,781.3	3.7	3.8	-114.94	-71.7	123.2	148.6	141.4	7.16	20.755		
1,900.0	1,894.7	1,887.4	1,879.1	4.0	4.1	-113.54	-81.0	135.4	161.9	154.3	7.63	21.210		
2,000.0	1,994.3	1,986.5	1,977.0	4.2	4.4	-112.35	-90.2	147.5	175.3	167.2	8.11	21.624		
2,100.0	2,093.9	2,085.5	2,074.8	4.4	4.7	-111.33	-99.4	159.7	188.7	180.1	8.58	22.000		
2,200.0	2,193.5	2,184.6	2,172.7	4.7	5.0	-110.45	-108.7	171.8	202.2	193.1	9.05	22.343		
2,300.0	2,293.0	2,283.6	2,270.6	4.9	5.3	-109.68	-117.9	184.0	215.7	206.2	9.52	22.657		
2,400.0	2,392.6	2,382.6	2,368.4	5.1	5.6	-108.99	-127.1	196.1	229.3	219.3	9.99	22.946		
2,500.0	2,492.2	2,481.7	2,466.3	5.4	5.9	-108.39	-136.4	208.3	242.8	232.4	10.46	23.212		
2,600.0	2,591.8	2,580.7	2,564.1	5.6	6.2	-107.85	-145.6	220.5	256.4	245.5	10.93	23.458		
2,700.0	2,691.3	2,679.8	2,662.0	5.9	6.5	-107.36	-154.8	232.6	270.1	258.7	11.40	23.686		
2,800.0	2,790.9	2,778.8	2,759.9	6.1	6.8	-106.92	-164.1	244.8	283.7	271.9	11.87	23.897		
2,900.0	2,890.5	2,877.9	2,857.7	6.3	7.1	-106.52	-173.3	256.9	297.4	285.0	12.34	24.094		
3,000.0	2,990.1	2,976.9	2,955.6	6.6	7.5	-106.15	-182.5	269.1	311.1	298.2	12.81	24.277		
3,100.0	3,089.6	3,075.9	3,053.4	6.8	7.8	-105.82	-191.7	281.2	324.7	311.5	13.28	24.449		
3,200.0	3,189.2	3,175.0	3,151.3	7.0	8.1	-105.51	-201.0	293.4	338.4	324.7	13.75	24.610		
3,300.0	3,288.8	3,274.0	3,249.1	7.3	8.4	-105.23	-210.2	305.5	352.1	337.9	14.22	24.760		
3,400.0	3,388.4	3,373.1	3,347.0	7.5	8.7	-104.97	-219.4	317.7	365.9	351.2	14.69	24.902		
3,500.0	3,488.0	3,472.1	3,444.9	7.7	9.0	-104.73	-228.7	329.8	379.6	364.4	15.16	25.036		
3,600.0	3,587.5	3,571.2	3,542.7	8.0	9.3	-104.50	-237.9	342.0	393.3	377.7	15.63	25.162		
3,700.0	3,687.1	3,670.2	3,640.6	8.2	9.7	-104.29	-247.1	354.1	407.0	390.9	16.10	25.281		
3,800.0	3,786.7	3,769.2	3,738.4	8.4	10.0	-104.09	-256.4	366.3	420.8	404.2	16.57	25.394		
3,900.0	3,886.3	3,868.3	3,836.3	8.7	10.3	-103.91	-265.6	378.4	434.5	417.5	17.04	25.501		
4,000.0	3,985.8	3,967.3	3,934.2	8.9	10.6	-103.73	-274.8	390.6	448.3	430.8	17.51	25.603		
4,100.0	4,085.4	4,066.4	4,032.0	9.2	10.9	-103.57	-284.1	402.7	462.0	444.0	17.98	25.699		
4,200.0	4,185.0	4,165.4	4,129.9	9.4	11.2	-103.42	-293.3	414.9	475.8	457.3	18.45	25.791		
4,300.0	4,284.6	4,264.4	4,227.7	9.6	11.6	-103.27	-302.5	427.0	489.5	470.6	18.92	25.879		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4N-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	87.77	1.5	37.3	37.3					
100.0	100.0	100.0	100.0	0.1	0.1	87.77	1.5	37.3	37.3	37.0	0.30	125.768		
200.0	200.0	200.0	200.0	0.3	0.3	87.77	1.5	37.3	37.3	36.7	0.65	57.785		
300.0	300.0	300.0	300.0	0.5	0.5	87.77	1.5	37.3	37.3	36.3	0.99	37.510 CC		
400.0	400.0	400.0	400.0	0.7	0.7	-103.23	1.5	37.3	37.5	36.2	1.34	27.895 ES		
500.0	500.0	500.0	500.0	0.9	0.8	-107.05	1.5	37.3	38.2	36.5	1.70	22.500		
600.0	599.9	599.9	599.9	1.0	1.0	-113.06	1.5	37.3	39.7	37.6	2.06	19.311		
700.0	699.7	699.7	699.7	1.2	1.2	-120.63	1.5	37.3	42.5	40.0	2.42	17.558		
800.0	799.4	798.9	798.9	1.4	1.4	-127.94	1.0	38.0	47.4	44.6	2.78	17.036 SF		
900.0	898.9	898.1	898.1	1.7	1.5	-133.18	-0.2	40.3	54.7	51.5	3.15	17.364		
1,000.0	998.5	997.3	997.1	1.9	1.7	-135.79	-2.2	44.1	63.1	59.6	3.52	17.911		
1,100.0	1,098.1	1,096.3	1,096.0	2.1	1.9	-136.53	-5.1	49.3	72.3	68.4	3.90	18.510		
1,200.0	1,197.7	1,195.3	1,194.7	2.3	2.1	-136.01	-8.7	56.1	82.2	77.9	4.30	19.109		
1,300.0	1,297.3	1,294.0	1,293.0	2.6	2.3	-134.64	-13.2	64.3	92.8	88.1	4.71	19.701		
1,400.0	1,396.8	1,392.5	1,390.9	2.8	2.5	-132.73	-18.5	74.0	104.4	99.2	5.14	20.294		
1,500.0	1,496.4	1,490.7	1,488.2	3.0	2.8	-130.48	-24.5	85.2	116.8	111.2	5.59	20.906		
1,600.0	1,596.0	1,588.6	1,585.0	3.3	3.1	-128.04	-31.3	97.8	130.3	124.3	6.05	21.551		
1,700.0	1,695.6	1,686.0	1,681.1	3.5	3.3	-125.52	-38.8	111.7	145.0	138.5	6.52	22.242		
1,800.0	1,795.1	1,782.9	1,776.5	3.7	3.7	-123.00	-47.1	127.0	161.0	154.0	7.00	22.989		
1,900.0	1,894.7	1,879.3	1,871.0	4.0	4.0	-120.54	-56.1	143.6	178.3	170.8	7.49	23.796		
2,000.0	1,994.3	1,976.2	1,965.7	4.2	4.3	-118.18	-65.8	161.6	196.8	188.8	7.98	24.660		
2,100.0	2,093.9	2,074.1	2,061.4	4.4	4.7	-116.16	-75.8	180.0	215.8	207.4	8.47	25.477		
2,200.0	2,193.5	2,172.0	2,157.0	4.7	5.1	-114.47	-85.7	198.3	235.0	226.1	8.96	26.239		
2,300.0	2,293.0	2,270.0	2,252.7	4.9	5.5	-113.03	-95.6	216.6	254.4	245.0	9.44	26.950		
2,400.0	2,392.6	2,367.9	2,348.4	5.1	5.8	-111.80	-105.6	235.0	273.9	264.0	9.92	27.610		
2,500.0	2,492.2	2,465.8	2,444.1	5.4	6.2	-110.73	-115.5	253.3	293.5	283.1	10.40	28.226		
2,600.0	2,591.8	2,563.7	2,539.7	5.6	6.6	-109.79	-125.4	271.7	313.3	302.4	10.88	28.799		
2,700.0	2,691.3	2,661.6	2,635.4	5.9	7.0	-108.97	-135.4	290.0	333.0	321.7	11.35	29.333		
2,800.0	2,790.9	2,759.5	2,731.1	6.1	7.4	-108.24	-145.3	308.4	352.9	341.0	11.83	29.833		
2,900.0	2,890.5	2,857.5	2,826.7	6.3	7.8	-107.58	-155.2	326.7	372.7	360.4	12.30	30.300		
3,000.0	2,990.1	2,955.4	2,922.4	6.6	8.2	-106.99	-165.2	345.1	392.7	379.9	12.77	30.738		
3,100.0	3,089.6	3,053.3	3,018.1	6.8	8.6	-106.46	-175.1	363.4	412.6	399.4	13.25	31.149		
3,200.0	3,189.2	3,151.2	3,113.8	7.0	9.0	-105.98	-185.0	381.8	432.6	418.9	13.72	31.535		
3,300.0	3,288.8	3,249.1	3,209.4	7.3	9.4	-105.54	-195.0	400.1	452.7	438.5	14.19	31.899		
3,400.0	3,388.4	3,347.1	3,305.1	7.5	9.8	-105.14	-204.9	418.5	472.7	458.0	14.66	32.242		
3,500.0	3,488.0	3,445.0	3,400.8	7.7	10.2	-104.77	-214.8	436.8	492.8	477.6	15.13	32.565		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4O-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	93.13	-2.2	40.1	40.1					
100.0	100.0	100.0	100.0	0.1	0.1	93.13	-2.2	40.1	40.1	39.8	0.30	135.304		
200.0	200.0	200.0	200.0	0.3	0.3	93.13	-2.2	40.1	40.1	39.5	0.65	62.167		
300.0	300.0	300.0	300.0	0.5	0.5	93.13	-2.2	40.1	40.1	39.2	0.99	40.354 CC		
400.0	400.0	400.0	400.0	0.7	0.7	-97.80	-2.2	40.1	40.3	38.9	1.34	29.939 ES		
500.0	500.0	499.3	499.3	0.9	0.8	-101.00	-2.5	40.9	41.5	39.8	1.70	24.465		
600.0	599.9	598.5	598.4	1.0	1.0	-105.26	-3.3	43.3	44.9	42.8	2.06	21.851		
700.0	699.7	697.5	697.4	1.2	1.2	-109.82	-4.7	47.4	50.6	48.2	2.42	20.889 SF		
800.0	799.4	796.3	796.0	1.4	1.4	-114.05	-6.6	53.1	58.7	55.9	2.80	20.947		
900.0	898.9	894.8	894.2	1.7	1.6	-117.37	-9.1	60.3	69.1	65.9	3.20	21.618		
1,000.0	998.5	993.0	992.0	1.9	1.8	-119.11	-12.1	69.1	80.9	77.3	3.60	22.508		
1,100.0	1,098.1	1,091.0	1,089.3	2.1	2.1	-119.75	-15.6	79.5	94.2	90.2	4.01	23.501		
1,200.0	1,197.7	1,188.6	1,186.1	2.3	2.3	-119.67	-19.7	91.4	108.7	104.3	4.43	24.551		
1,300.0	1,297.3	1,285.8	1,282.3	2.6	2.6	-119.12	-24.2	104.8	124.6	119.7	4.86	25.638		
1,400.0	1,396.8	1,382.5	1,377.7	2.8	2.9	-118.27	-29.3	119.6	141.8	136.5	5.30	26.758		
1,500.0	1,496.4	1,478.7	1,472.4	3.0	3.2	-117.26	-34.9	135.9	160.3	154.6	5.74	27.908		
1,600.0	1,596.0	1,574.4	1,566.2	3.3	3.6	-116.15	-40.9	153.6	180.2	174.0	6.20	29.089		
1,700.0	1,695.6	1,669.4	1,659.0	3.5	3.9	-115.00	-47.4	172.6	201.5	194.9	6.65	30.301		
1,800.0	1,795.1	1,763.8	1,750.9	3.7	4.3	-113.84	-54.3	193.0	224.2	217.1	7.11	31.545		
1,900.0	1,894.7	1,857.5	1,841.8	4.0	4.7	-112.71	-61.7	214.6	248.4	240.8	7.57	32.818		
2,000.0	1,994.3	1,951.5	1,932.6	4.2	5.2	-111.60	-69.6	237.6	273.9	265.8	8.03	34.115		
2,100.0	2,093.9	2,047.9	2,025.7	4.4	5.6	-110.61	-77.7	261.6	299.8	291.3	8.49	35.302		
2,200.0	2,193.5	2,144.4	2,118.8	4.7	6.1	-109.78	-85.9	285.6	325.8	316.9	8.96	36.378		
2,300.0	2,293.0	2,240.9	2,211.8	4.9	6.6	-109.07	-94.1	309.6	351.9	342.5	9.42	37.356		
2,400.0	2,392.6	2,337.3	2,304.9	5.1	7.0	-108.46	-102.3	333.6	378.0	368.1	9.88	38.250		
2,500.0	2,492.2	2,433.8	2,398.0	5.4	7.5	-107.93	-110.5	357.6	404.1	393.8	10.34	39.068		
2,600.0	2,591.8	2,530.2	2,491.0	5.6	8.0	-107.46	-118.6	381.6	430.3	419.5	10.81	39.821		
2,700.0	2,691.3	2,626.7	2,584.1	5.9	8.4	-107.05	-126.8	405.6	456.5	445.2	11.27	40.515		
2,800.0	2,790.9	2,723.2	2,677.2	6.1	8.9	-106.68	-135.0	429.6	482.7	471.0	11.73	41.157		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Hwy 52 4P-32H-O268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	88.18	1.5	45.7	45.7					
100.0	100.0	100.0	100.0	0.1	0.1	88.18	1.5	45.7	45.7	45.4	0.30	154.039		
200.0	200.0	200.0	200.0	0.3	0.3	88.18	1.5	45.7	45.7	45.1	0.65	70.775 CC, ES		
300.0	300.0	299.2	299.2	0.5	0.5	88.41	1.3	46.5	46.6	45.6	0.99	46.850		
400.0	400.0	398.4	398.3	0.7	0.7	-101.62	0.8	49.1	49.3	47.9	1.34	36.706		
500.0	500.0	497.4	497.2	0.9	0.9	-103.27	0.0	53.3	54.0	52.3	1.69	31.893		
600.0	599.9	596.1	595.8	1.0	1.1	-105.77	-1.1	59.1	61.0	58.9	2.05	29.681		
700.0	699.7	694.6	694.0	1.2	1.3	-108.62	-2.5	66.6	70.1	67.7	2.42	28.929 SF		
800.0	799.4	792.6	791.6	1.4	1.5	-111.45	-4.2	75.8	81.7	78.9	2.81	29.059		
900.0	898.9	890.3	888.6	1.7	1.7	-113.89	-6.2	86.5	95.4	92.2	3.21	29.738		
1,000.0	998.5	987.5	985.0	1.9	2.0	-115.38	-8.5	98.8	110.8	107.2	3.62	30.654		
1,100.0	1,098.1	1,084.2	1,080.7	2.1	2.3	-116.16	-11.1	112.6	127.8	123.7	4.03	31.706		
1,200.0	1,197.7	1,180.5	1,175.7	2.3	2.6	-116.45	-14.0	127.9	146.2	141.7	4.45	32.846		
1,300.0	1,297.3	1,276.2	1,269.8	2.6	2.9	-116.41	-17.2	144.7	166.1	161.2	4.88	34.047		
1,400.0	1,396.8	1,371.3	1,363.1	2.8	3.3	-116.14	-20.6	162.9	187.4	182.1	5.31	35.295		
1,500.0	1,496.4	1,465.7	1,455.4	3.0	3.7	-115.73	-24.3	182.5	210.1	204.4	5.74	36.581		
1,600.0	1,596.0	1,559.5	1,546.8	3.3	4.1	-115.22	-28.3	203.4	234.3	228.1	6.18	37.899		
1,700.0	1,695.6	1,652.5	1,637.0	3.5	4.5	-114.66	-32.4	225.7	259.9	253.3	6.62	39.246		
1,800.0	1,795.1	1,744.8	1,726.1	3.7	4.9	-114.06	-36.9	249.1	287.0	279.9	7.07	40.619		
1,900.0	1,894.7	1,836.2	1,814.1	4.0	5.4	-113.45	-41.5	273.7	315.5	307.9	7.51	42.017		
2,000.0	1,994.3	1,928.9	1,902.9	4.2	5.9	-112.83	-46.4	300.0	345.2	337.3	7.95	43.404		
2,100.0	2,093.9	2,024.3	1,994.1	4.4	6.4	-112.28	-51.6	327.2	375.2	366.8	8.40	44.647		
2,200.0	2,193.5	2,119.6	2,085.3	4.7	6.9	-111.81	-56.7	354.4	405.3	396.5	8.86	45.767		
2,300.0	2,293.0	2,214.9	2,176.5	4.9	7.4	-111.40	-61.8	381.6	435.4	426.1	9.31	46.780		
2,400.0	2,392.6	2,310.2	2,267.7	5.1	8.0	-111.05	-66.9	408.8	465.5	455.7	9.76	47.703		
2,500.0	2,492.2	2,405.6	2,358.9	5.4	8.5	-110.74	-72.1	436.1	495.6	485.4	10.21	48.545		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - RAY NELSON 33-32 (EXISTING) - ENCANA WELL - ENCANA WELL														Offset Site Error:	0.0 ft
Survey Program: 926-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)					
0.0	0.0	0.0	0.0	0.0	0.0	54.95	224.0	319.3	390.1						
100.0	100.0	92.9	92.9	0.1	0.2	54.95	224.0	319.2	390.0	389.6	0.31	1,266.613			
200.0	200.0	193.8	193.8	0.3	0.3	54.95	223.7	319.0	389.6	389.0	0.66	594.098			
300.0	300.0	294.8	294.8	0.5	0.5	54.96	223.3	318.5	389.0	388.0	1.00	387.573			
373.0	373.0	368.5	368.5	0.6	0.6	-134.78	222.9	318.1	388.8	387.5	1.26	309.026			
400.0	400.0	395.7	395.7	0.7	0.7	-134.82	222.8	317.9	388.8	387.4	1.35	287.562			
500.0	500.0	496.7	496.7	0.9	0.9	-135.07	222.0	317.0	389.5	387.8	1.70	228.917			
600.0	599.9	597.6	597.6	1.0	1.1	-135.49	221.1	316.0	391.3	389.3	2.05	190.469			
700.0	699.7	698.4	698.4	1.2	1.2	-136.07	220.1	314.8	394.1	391.7	2.41	163.413			
800.0	799.4	799.2	799.1	1.4	1.4	-136.81	218.8	313.5	398.0	395.2	2.77	143.436			
900.0	898.9	899.9	899.8	1.7	1.6	-137.68	217.5	311.9	402.6	399.5	3.14	128.178			
1,000.0	998.5	997.1	997.0	1.9	1.8	-138.65	216.9	309.8	407.5	403.9	3.50	116.255			
1,100.0	1,098.1	1,083.1	1,082.9	2.1	1.9	-139.83	219.4	307.6	414.3	410.4	3.85	107.571			
1,200.0	1,197.7	1,168.4	1,168.1	2.3	2.0	-141.20	225.1	306.5	424.8	420.6	4.20	101.104			
1,300.0	1,297.3	1,254.6	1,253.8	2.6	2.2	-142.74	233.8	306.2	438.7	434.1	4.55	96.343			
1,400.0	1,396.8	1,345.0	1,343.5	2.8	2.4	-144.40	245.2	306.6	455.2	450.2	4.92	92.440			
1,500.0	1,496.4	1,431.1	1,428.5	3.0	2.6	-146.15	258.6	306.5	473.9	468.6	5.29	89.515			
1,600.0	1,596.0	1,522.8	1,518.7	3.3	2.8	-148.07	275.3	306.3	495.0	489.3	5.68	87.126			
8,900.0	7,429.0	7,599.8	7,416.2	25.4	27.1	88.76	1,560.1	75.9	488.7	436.6	52.09	9.382			
9,000.0	7,429.0	7,600.7	7,417.1	26.9	27.1	89.00	1,560.1	75.9	402.1	348.5	53.60	7.501			
9,100.0	7,429.0	7,601.7	7,418.1	28.4	27.1	89.24	1,560.1	76.0	323.2	268.1	55.14	5.862			
9,200.0	7,429.0	7,602.6	7,419.0	30.0	27.1	89.48	1,560.1	76.0	259.3	202.6	56.70	4.574			
9,300.0	7,429.0	7,603.5	7,419.9	31.5	27.1	89.72	1,560.1	76.0	223.7	165.4	58.28	3.839			
9,336.0	7,429.0	7,603.9	7,420.3	32.1	27.1	89.81	1,560.1	76.0	220.8	161.9	58.85	3.752 CC, ES, SF			
9,400.0	7,429.0	7,604.5	7,420.9	33.1	27.1	89.96	1,560.1	76.0	229.9	170.0	59.87	3.839			
9,500.0	7,429.0	7,605.4	7,421.8	34.7	27.1	90.21	1,560.1	76.0	275.0	213.5	61.48	4.473			
9,600.0	7,429.0	7,606.3	7,422.7	36.3	27.1	90.45	1,560.2	76.0	344.1	281.0	63.11	5.453			
9,700.0	7,429.0	7,607.3	7,423.7	38.0	27.1	90.70	1,560.2	76.0	425.7	360.9	64.74	6.575			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - RAY NELSON 34-32 (EXISTING) - ENCANA WELL - ENCANA WELL													Offset Site Error:	0.0 ft
Survey Program: 103-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							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	94.87	-14.2	166.8	167.6					
100.0	100.0	91.0	91.0	0.1	0.1	94.85	-14.2	167.1	167.7	167.4	0.28	590.484		
200.0	200.0	190.3	190.3	0.3	0.3	94.85	-14.2	167.9	168.5	167.9	0.63	267.989		
300.0	300.0	290.6	290.6	0.5	0.5	94.97	-14.7	168.8	169.5	168.5	0.98	173.167		
400.0	400.0	390.9	390.8	0.7	0.7	-94.78	-15.5	169.5	170.3	169.0	1.33	128.144		
500.0	500.0	491.0	491.0	0.9	0.8	-95.41	-16.2	170.1	171.2	169.5	1.68	101.707		
600.0	599.9	591.0	591.0	1.0	1.0	-96.68	-16.7	170.6	172.2	170.1	2.04	84.264		
700.0	699.7	691.3	691.3	1.2	1.2	-98.56	-17.1	171.0	173.4	170.9	2.41	71.803		
800.0	799.4	791.2	791.2	1.4	1.4	-101.03	-17.3	171.1	174.8	172.0	2.80	62.501		
900.0	898.9	891.5	891.4	1.7	1.5	-103.93	-17.3	171.0	176.7	173.6	3.19	55.457		
1,000.0	998.5	991.4	991.4	1.9	1.7	-106.84	-17.2	170.6	178.8	175.2	3.58	49.963		
1,100.0	1,098.1	1,091.3	1,091.3	2.1	1.9	-109.61	-17.3	170.0	181.1	177.1	3.97	45.631		
1,200.0	1,197.7	1,191.8	1,191.7	2.3	2.1	-112.41	-17.2	169.1	183.5	179.1	4.36	42.112		
1,300.0	1,297.3	1,290.9	1,290.8	2.6	2.2	-115.21	-16.7	168.0	186.2	181.5	4.74	39.282		
1,400.0	1,396.8	1,390.4	1,390.4	2.8	2.4	-117.99	-16.1	167.0	189.6	184.5	5.12	37.018		
1,500.0	1,496.4	1,490.7	1,490.7	3.0	2.6	-120.79	-15.1	165.6	193.1	187.6	5.50	35.121		
1,600.0	1,596.0	1,591.0	1,590.9	3.3	2.8	-123.49	-14.4	163.9	196.7	190.8	5.87	33.495		
1,700.0	1,695.6	1,689.6	1,689.5	3.5	2.9	-126.03	-13.7	162.0	200.6	194.3	6.24	32.148		
1,800.0	1,795.1	1,788.0	1,787.9	3.7	3.1	-128.52	-12.6	160.8	205.6	199.0	6.60	31.141		
1,900.0	1,894.7	1,887.2	1,887.1	4.0	3.3	-131.00	-11.0	159.5	211.2	204.2	6.96	30.344		
2,000.0	1,994.3	1,986.3	1,986.2	4.2	3.4	-133.36	-9.3	158.4	217.3	210.0	7.31	29.714		
2,100.0	2,093.9	2,086.8	2,086.6	4.4	3.6	-135.39	-8.3	157.6	223.6	215.9	7.67	29.155		
2,200.0	2,193.5	2,186.8	2,186.6	4.7	3.8	-137.01	-8.6	157.2	229.8	221.8	8.03	28.639		
2,300.0	2,293.0	2,286.7	2,286.6	4.9	4.0	-138.46	-9.2	156.9	236.1	227.7	8.38	28.167		
2,400.0	2,392.6	2,386.7	2,386.6	5.1	4.1	-139.85	-9.8	156.5	242.3	233.6	8.73	27.742		
2,500.0	2,492.2	2,490.6	2,490.4	5.4	4.3	-141.10	-11.3	155.8	247.9	238.8	9.09	27.264		
2,600.0	2,591.8	2,597.1	2,596.8	5.6	4.5	-142.68	-13.5	152.2	251.3	241.9	9.45	26.591		
2,700.0	2,691.3	2,702.5	2,702.0	5.9	4.7	-144.31	-17.2	146.3	252.2	242.4	9.80	25.727		
2,800.0	2,790.9	2,807.1	2,806.2	6.1	4.9	-145.71	-22.6	140.0	251.8	241.7	10.15	24.798		
2,900.0	2,890.5	2,909.6	2,908.2	6.3	5.1	-147.13	-29.7	132.0	249.1	238.6	10.50	23.722		
3,000.0	2,990.1	3,014.7	3,012.6	6.6	5.3	-148.77	-37.0	122.9	245.9	235.0	10.85	22.671		
3,100.0	3,089.6	3,124.5	3,121.2	6.8	5.6	-150.72	-47.3	110.1	239.0	227.8	11.19	21.353		
3,200.0	3,189.2	3,221.9	3,217.2	7.0	5.8	-152.64	-57.4	97.6	230.9	219.4	11.52	20.043		
3,300.0	3,288.8	3,319.1	3,313.3	7.3	6.0	-154.77	-66.5	85.4	224.2	212.3	11.85	18.924		
3,400.0	3,388.4	3,423.0	3,415.8	7.5	6.3	-157.70	-75.2	70.7	217.7	205.6	12.18	17.875		
3,500.0	3,488.0	3,525.1	3,515.9	7.7	6.6	-161.16	-85.5	53.6	209.0	196.4	12.52	16.688		
3,600.0	3,587.5	3,627.0	3,615.6	8.0	6.9	-165.06	-96.2	35.7	200.3	187.4	12.88	15.542		
3,700.0	3,687.1	3,730.1	3,716.2	8.2	7.3	-169.28	-109.2	17.1	190.4	177.1	13.28	14.341		
3,800.0	3,786.7	3,831.8	3,815.0	8.4	7.6	-173.68	-124.3	-1.3	179.4	165.7	13.71	13.085		
3,900.0	3,886.3	3,931.5	3,911.8	8.7	8.0	-178.32	-140.5	-19.0	168.3	154.1	14.20	11.851		
4,000.0	3,985.8	4,028.5	4,005.8	8.9	8.4	176.12	-156.1	-37.5	158.4	143.6	14.78	10.718		
4,100.0	4,085.4	4,125.5	4,099.8	9.2	8.7	169.86	-170.6	-56.1	151.3	135.9	15.46	9.788		
4,200.0	4,185.0	4,223.3	4,194.9	9.4	9.1	163.41	-184.7	-74.1	146.8	130.5	16.22	9.047		
4,300.0	4,284.6	4,320.2	4,289.6	9.6	9.5	157.50	-197.9	-90.0	144.7	127.7	17.01	8.509		
4,329.6	4,314.1	4,349.4	4,318.2	9.7	9.6	155.76	-201.6	-94.7	144.7	127.4	17.25	8.389		
4,400.0	4,384.1	4,420.4	4,387.8	9.9	9.8	151.89	-210.6	-105.2	144.7	126.9	17.81	8.127		
4,500.0	4,483.7	4,519.8	4,485.4	10.1	10.1	146.80	-223.7	-118.9	145.3	126.7	18.60	7.810		
4,600.0	4,583.3	4,619.2	4,582.9	10.3	10.5	141.59	-237.1	-133.0	146.8	127.4	19.41	7.561		
4,700.0	4,682.9	4,717.5	4,679.6	10.6	10.8	137.21	-249.4	-145.6	149.5	129.4	20.14	7.426		
4,800.0	4,782.5	4,816.0	4,776.9	10.8	11.1	134.00	-259.6	-156.5	153.8	133.0	20.77	7.405		
4,900.0	4,882.0	4,915.3	4,875.6	11.1	11.3	132.38	-267.2	-164.6	158.9	137.6	21.29	7.462		
5,000.0	4,981.6	5,014.0	4,974.0	11.3	11.5	131.81	-272.9	-170.7	164.4	142.6	21.74	7.559		

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 Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - RAY NELSON 34-32 (EXISTING) - ENCANA WELL - ENCANA WELL													Offset Site Error:	0.0 ft
Survey Program: 103-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							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	5,081.2	5,113.3	5,073.1	11.5	11.7	131.91	-277.0	-175.8	170.5	148.3	22.14	7.698		
5,200.0	5,180.8	5,211.1	5,170.7	11.8	11.9	132.70	-279.1	-179.5	177.3	154.8	22.49	7.883		
5,300.0	5,280.3	5,310.8	5,270.4	12.0	12.1	133.98	-279.8	-182.3	184.7	161.9	22.79	8.104		
5,400.0	5,379.9	5,410.1	5,369.7	12.2	12.2	135.77	-279.4	-183.3	192.1	169.1	23.04	8.340		
5,500.0	5,479.5	5,507.7	5,467.3	12.5	12.3	137.62	-278.0	-184.1	200.5	177.2	23.27	8.615		
5,600.0	5,579.1	5,607.1	5,566.6	12.7	12.4	139.46	-275.7	-184.8	209.7	186.2	23.50	8.925		
5,700.0	5,678.6	5,708.3	5,667.8	12.9	12.6	141.25	-273.9	-185.0	218.5	194.8	23.72	9.212		
5,800.0	5,778.2	5,807.4	5,766.9	13.2	12.7	142.89	-272.4	-185.0	227.0	203.1	23.95	9.480		
5,900.0	5,877.8	5,905.8	5,865.3	13.4	12.8	144.32	-270.7	-185.4	236.1	211.9	24.18	9.763		
6,000.0	5,977.4	6,007.3	5,966.8	13.7	13.0	145.55	-269.5	-186.2	245.1	220.7	24.45	10.023		
6,100.0	6,077.0	6,107.7	6,067.2	13.9	13.1	146.48	-269.3	-187.5	253.4	228.7	24.74	10.245		
6,200.0	6,176.5	6,204.9	6,164.3	14.1	13.3	147.38	-268.6	-188.7	262.3	237.3	25.01	10.487		
6,300.0	6,276.1	6,303.8	6,263.2	14.4	13.4	148.31	-267.1	-189.9	271.9	246.7	25.28	10.756		
6,400.0	6,375.7	6,404.8	6,364.2	14.6	13.6	149.18	-265.9	-191.1	281.3	255.8	25.57	11.003		
6,500.0	6,475.3	6,503.3	6,462.7	14.8	13.7	149.94	-265.0	-192.3	290.5	264.7	25.85	11.239		
6,600.0	6,574.8	6,600.9	6,560.3	15.1	13.8	150.68	-263.5	-193.5	300.4	274.3	26.13	11.495		
6,700.0	6,674.4	6,699.9	6,659.3	15.3	14.0	151.49	-261.4	-194.3	310.7	284.3	26.40	11.769		
6,800.0	6,774.0	6,798.7	6,758.0	15.6	14.1	152.41	-259.0	-194.3	321.1	294.5	26.66	12.047		
6,900.0	6,873.8	6,897.0	6,856.3	15.7	14.2	12.94	-256.3	-194.6	328.0	301.1	26.89	12.198		
7,000.0	6,972.9	6,995.3	6,954.5	15.7	14.4	-11.86	-253.4	-195.5	319.3	292.5	26.73	11.944		
7,100.0	7,068.6	7,090.9	7,050.1	15.5	14.5	-16.10	-250.3	-196.5	294.5	268.3	26.19	11.248		
7,200.0	7,157.7	7,183.7	7,142.9	15.1	14.6	-21.48	-247.3	-197.3	254.5	229.0	25.45	9.998		
7,300.0	7,237.7	7,268.1	7,227.2	14.7	14.8	-31.51	-245.7	-197.8	200.5	175.4	25.07	7.998		
7,400.0	7,306.1	7,338.1	7,297.2	14.3	14.9	-51.27	-245.1	-197.9	138.6	112.6	26.02	5.327		
7,500.0	7,360.8	7,394.2	7,353.3	13.9	14.9	-82.02	-244.4	-197.6	89.0	61.8	27.28	3.264		
7,529.9	7,374.3	7,408.2	7,367.3	13.8	15.0	-90.77	-244.1	-197.4	85.0	57.9	27.12	3.134	CC, ES, SF	
7,600.0	7,400.2	7,435.7	7,394.8	13.7	15.0	-105.14	-243.6	-197.1	106.8	80.7	26.13	4.088		
7,700.0	7,423.1	7,461.1	7,420.2	13.6	15.0	-108.66	-243.1	-196.6	182.7	156.8	25.83	7.070		
7,800.0	7,429.0	7,469.4	7,428.5	13.8	15.0	-95.18	-242.9	-196.5	275.0	247.9	27.07	10.158		
7,900.0	7,429.0	7,471.8	7,430.9	14.1	15.0	-96.78	-242.9	-196.4	371.5	344.1	27.38	13.565		
8,000.0	7,429.0	7,474.1	7,433.2	14.7	15.0	-98.40	-242.8	-196.4	469.4	441.6	27.89	16.834		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - RAY NELSON 44-32 (EXISTING) - ENCANA WELL - ENCANA WELL		Offset Site Error:		0.0 ft	
Survey Program:												134-Geolink MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
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	57.41	211.3	330.5	392.4								
100.0	100.0	91.5	91.5	0.1	0.1	57.47	210.9	330.7	392.2	391.9	0.29	1,347.459					
143.0	143.0	134.0	134.0	0.2	0.2	57.53	210.5	330.8	392.1	391.7	0.43	906.725	CC, ES				
200.0	200.0	185.3	185.3	0.3	0.3	57.59	210.4	331.3	392.5	391.9	0.62	631.759					
300.0	300.0	273.5	273.4	0.5	0.5	57.59	211.7	333.5	395.4	394.5	0.95	416.200					
400.0	400.0	364.8	364.6	0.7	0.6	-132.17	214.6	337.8	401.6	400.3	1.28	312.948					
500.0	500.0	453.3	452.8	0.9	0.8	-132.29	218.0	343.8	411.2	409.6	1.61	254.679					
600.0	599.9	543.2	542.2	1.0	1.1	-132.46	222.3	352.2	424.6	422.7	1.95	217.520					
700.0	699.7	633.4	631.7	1.2	1.3	-132.66	227.1	362.5	441.1	438.8	2.30	192.124					
800.0	799.4	720.4	717.7	1.4	1.6	-132.87	232.1	374.3	460.9	458.3	2.64	174.348					
900.0	898.9	810.5	806.5	1.7	1.9	-133.09	237.2	388.9	483.7	480.7	3.01	160.836	SF				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - RAY NELSON 4-8-32 (EXISTING) - ENCANA WELL - PLAN ONLY													Offset Site Error:	0.0 ft
Survey Program: 850-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
4,100.0	4,085.4	4,415.6	4,188.6	9.2	26.7	172.95	140.0	-34.8	482.2	455.7	26.49	18.201		
4,200.0	4,185.0	4,510.0	4,275.4	9.4	27.4	169.81	114.4	-61.9	462.2	434.1	28.13	16.434		
4,300.0	4,284.6	4,604.4	4,362.1	9.6	28.1	166.42	88.8	-88.9	443.8	414.0	29.85	14.867		
4,400.0	4,384.1	4,698.8	4,448.8	9.9	28.8	162.77	63.1	-116.0	427.2	395.6	31.66	13.494		
4,500.0	4,483.7	4,793.1	4,535.5	10.1	29.5	158.87	37.5	-143.1	412.6	379.1	33.53	12.306		
4,600.0	4,583.3	4,887.5	4,622.2	10.3	30.2	154.73	11.9	-170.1	400.2	364.7	35.43	11.296		
4,700.0	4,682.9	4,981.9	4,708.9	10.6	30.9	150.38	-13.7	-197.2	390.1	352.8	37.32	10.455		
4,800.0	4,782.5	5,076.3	4,795.6	10.8	31.6	145.85	-39.3	-224.3	382.7	343.5	39.16	9.773		
4,900.0	4,882.0	5,170.7	4,882.4	11.1	32.3	141.19	-65.0	-251.4	378.0	337.1	40.91	9.241		
5,000.0	4,981.6	5,265.1	4,969.1	11.3	33.0	136.45	-90.6	-278.4	376.2	333.7	42.52	8.849		
5,012.9	4,994.5	5,277.3	4,980.3	11.3	33.1	135.84	-93.9	-281.9	376.2	333.5	42.71	8.808 CC		
5,100.0	5,081.2	5,359.5	5,055.8	11.5	33.7	131.71	-116.2	-305.5	377.3	333.3	43.95	8.585 ES		
5,200.0	5,180.8	5,453.8	5,142.5	11.8	34.4	127.03	-141.8	-332.6	381.2	336.1	45.18	8.439		
5,300.0	5,280.3	5,548.2	5,229.2	12.0	35.1	122.45	-167.4	-359.6	388.0	341.8	46.19	8.399 SF		
5,400.0	5,379.9	5,642.6	5,315.9	12.2	35.8	118.05	-193.1	-386.7	397.3	350.3	46.99	8.456		
5,500.0	5,479.5	5,737.0	5,402.6	12.5	36.5	113.85	-218.7	-413.8	409.2	361.6	47.59	8.597		
5,600.0	5,579.1	5,831.4	5,489.4	12.7	37.1	109.89	-244.3	-440.9	423.2	375.2	48.01	8.815		
5,700.0	5,678.6	5,925.8	5,576.1	12.9	37.8	106.18	-269.9	-467.9	439.4	391.1	48.29	9.099		
5,800.0	5,778.2	6,020.2	5,662.8	13.2	38.5	102.72	-295.5	-495.0	457.3	408.9	48.44	9.440		
5,900.0	5,877.8	6,114.5	5,749.5	13.4	39.2	99.51	-321.2	-522.1	476.9	428.4	48.50	9.832		
6,000.0	5,977.4	6,208.9	5,836.2	13.7	39.9	96.55	-346.8	-549.2	497.8	449.4	48.49	10.268		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - Ray Nelson 7-8-32 - DD - Plan #1													Offset Site Error: 0.0 ft			
Survey Program: 0-MWD															Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning			
0.0	0.0	0.0	0.0	0.0	0.0	60.59	194.5	345.1	396.2							
100.0	100.0	91.0	91.0	0.1	0.1	60.59	194.5	345.1	396.1	395.8	0.28	1,397.910				
200.0	200.0	191.0	191.0	0.3	0.3	60.59	194.5	345.1	396.1	395.5	0.63	628.673				
300.0	300.0	291.0	291.0	0.5	0.5	60.59	194.5	345.1	396.1	395.1	0.98	404.547	CC, ES			
400.0	400.0	391.0	391.0	0.7	0.7	-129.21	194.5	345.1	396.7	395.3	1.33	298.562				
500.0	500.0	491.0	491.0	0.9	0.8	-129.48	194.5	345.1	398.3	396.6	1.68	237.108				
600.0	599.9	586.6	586.6	1.0	1.0	-129.74	193.7	346.1	401.6	399.6	2.03	197.930				
700.0	699.7	681.7	681.6	1.2	1.2	-129.74	190.9	349.5	407.1	404.8	2.39	170.318				
800.0	799.4	776.5	776.1	1.4	1.4	-129.49	186.1	355.4	415.0	412.2	2.78	149.503				
900.0	898.9	871.0	870.0	1.7	1.6	-129.02	179.4	363.6	424.8	421.7	3.19	133.129				
1,000.0	998.5	965.0	962.9	1.9	1.8	-128.22	170.7	374.2	436.0	432.3	3.64	119.743				
1,100.0	1,098.1	1,058.2	1,054.7	2.1	2.1	-127.11	160.3	387.1	448.5	444.3	4.13	108.642				
1,200.0	1,197.7	1,151.5	1,145.9	2.3	2.5	-125.70	147.9	402.2	462.5	457.8	4.64	99.571				
1,300.0	1,297.3	1,249.6	1,241.6	2.6	2.9	-124.19	134.3	418.9	477.3	472.1	5.19	91.875				
1,400.0	1,396.8	1,347.8	1,337.4	2.8	3.2	-122.77	120.6	435.7	492.3	486.6	5.75	85.627	SF			

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SURVEYS												Offset Site Error: 0.0 ft	
Survey Program: 70-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						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	
0.0	0.0	0.0	0.0	0.0	0.0	60.59	194.5	345.1	396.2				
100.0	100.0	87.4	87.4	0.1	0.1	60.60	194.7	345.5	396.6	396.3	0.27	1,442.959	
200.0	200.0	183.4	183.4	0.3	0.3	60.67	194.8	346.7	397.8	397.2	0.62	644.068	
300.0	300.0	279.8	279.7	0.5	0.5	61.04	193.6	349.9	400.1	399.1	0.97	412.635	
400.0	400.0	371.0	370.7	0.7	0.7	-127.99	190.9	355.4	404.5	403.2	1.32	305.922	
500.0	500.0	465.1	464.3	0.9	0.9	-127.13	186.7	364.0	412.1	410.3	1.71	241.572	
600.0	599.9	558.4	556.8	1.0	1.2	-126.12	180.8	374.3	421.7	419.6	2.12	199.215	
700.0	699.7	647.9	645.2	1.2	1.5	-125.01	173.8	386.9	434.5	432.0	2.56	169.985	
800.0	799.4	736.7	732.3	1.4	1.8	-123.77	165.3	402.3	450.6	447.6	3.02	148.980	
900.0	898.9	823.5	816.9	1.7	2.2	-122.73	157.1	419.4	469.9	466.4	3.50	134.146	
1,000.0	998.5	913.2	904.1	1.9	2.6	-121.73	148.9	438.8	491.3	487.3	4.00	122.692 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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-R68W (File/Hwy 52) - WANDELL 41-7 (EXISTING) - ENCANA WELL - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
6,100.0	6,077.0	6,194.9	6,154.8	13.9	11.9	71.73	-580.5	-505.8	461.1	436.3	24.82	18.578		
6,200.0	6,176.5	6,282.2	6,233.9	14.1	12.4	75.61	-556.6	-477.7	421.7	396.2	25.50	16.534		
6,300.0	6,276.1	6,369.4	6,313.0	14.4	12.8	80.16	-532.6	-449.7	384.5	358.2	26.25	14.645		
6,400.0	6,375.7	6,456.7	6,392.1	14.6	13.3	85.53	-508.6	-421.6	350.1	323.0	27.06	12.938		
6,500.0	6,475.3	6,544.0	6,471.2	14.8	13.8	91.81	-484.7	-393.6	319.5	291.6	27.91	11.448		
6,600.0	6,574.8	6,631.2	6,550.3	15.1	14.3	99.07	-460.7	-365.6	293.9	265.2	28.76	10.220		
6,700.0	6,674.4	6,718.3	6,629.2	15.3	14.8	107.27	-436.8	-337.6	274.7	245.2	29.54	9.301		
6,800.0	6,774.0	6,803.5	6,707.0	15.6	15.3	115.75	-414.2	-311.2	263.6	233.5	30.12	8.754		
6,900.0	6,873.8	6,892.6	6,789.4	15.7	15.8	-16.55	-392.3	-285.5	258.2	227.7	30.45	8.477		
7,000.0	6,972.9	6,987.2	6,878.0	15.7	16.3	-35.45	-370.8	-260.3	246.3	216.0	30.36	8.113		
7,100.0	7,068.6	7,083.5	6,969.3	15.5	16.8	-35.37	-350.8	-237.0	223.5	193.6	29.91	7.473		
7,200.0	7,157.7	7,177.2	7,059.1	15.1	17.2	-38.06	-333.4	-216.5	187.9	158.6	29.31	6.410		
7,300.0	7,237.7	7,264.2	7,143.2	14.7	17.6	-47.65	-318.9	-199.6	140.4	111.3	29.10	4.826		
7,400.0	7,306.1	7,340.8	7,217.7	14.3	17.9	-72.62	-307.5	-186.3	88.9	59.2	29.66	2.997		
7,472.3	7,347.2	7,387.9	7,263.8	14.0	18.0	-101.35	-301.1	-178.8	69.3	40.9	28.34	2.444 CC, ES, SF		
7,500.0	7,360.8	7,404.0	7,279.5	13.9	18.1	-111.58	-299.1	-176.4	72.9	45.8	27.12	2.690		
7,600.0	7,400.2	7,451.8	7,326.6	13.7	18.2	-134.09	-293.3	-169.6	131.2	107.9	23.31	5.627		
7,700.0	7,423.1	7,483.3	7,357.6	13.6	18.3	-137.88	-289.8	-165.5	218.3	195.5	22.74	9.599		
7,800.0	7,429.0	7,500.0	7,374.1	13.8	18.4	-128.24	-288.0	-163.4	314.4	289.0	25.32	12.417		
7,900.0	7,429.0	7,507.8	7,381.7	14.1	18.4	-133.76	-287.2	-162.5	412.7	388.1	24.54	16.815		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4J-32H-O268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File/Hwy 52)	<b>MD Reference:</b>	WELL @ 5003.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Hwy 52 4J-32H-O268	<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 @ 5003.0ft (Original Well Elev)

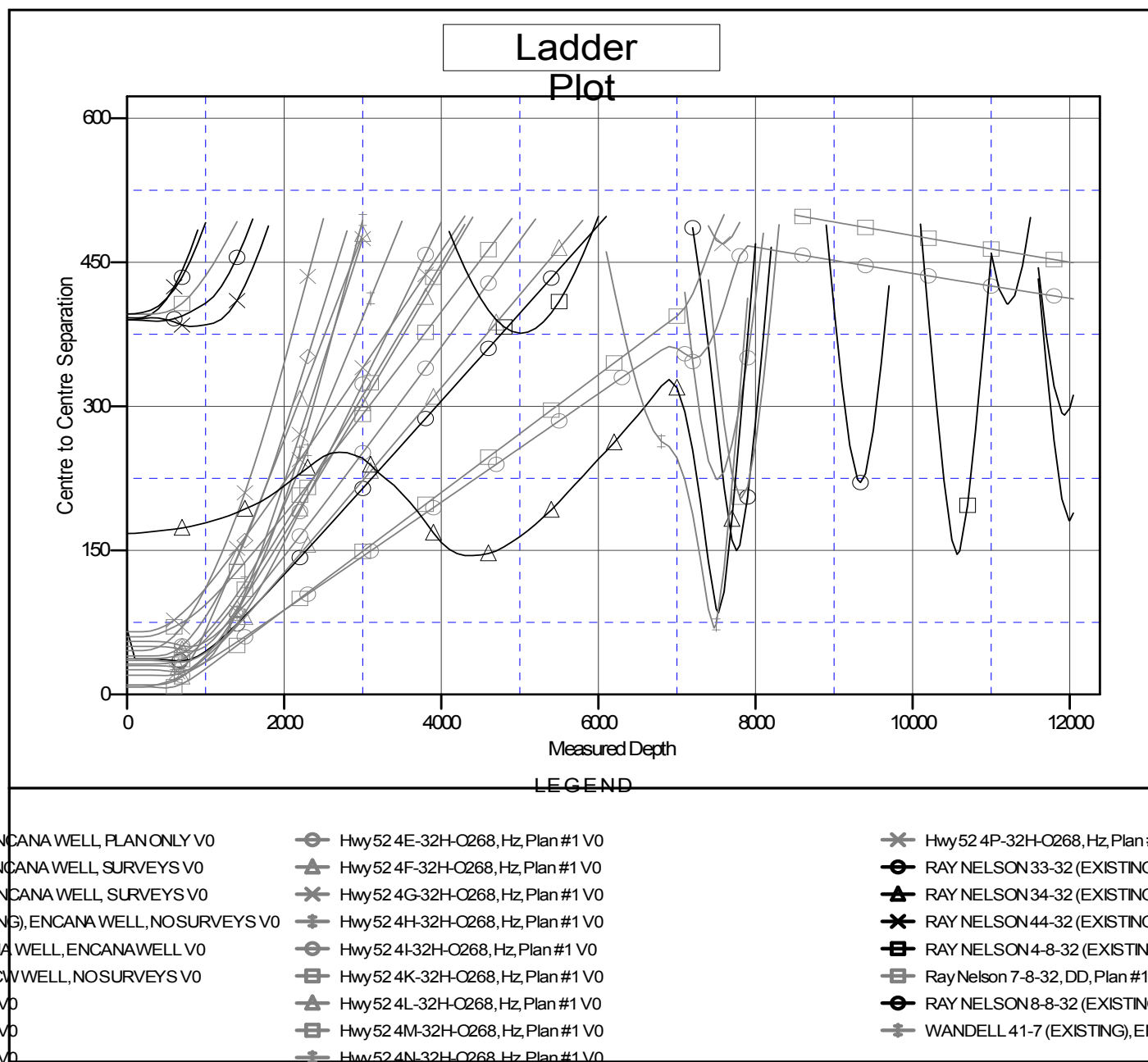
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Hwy 52 4J-32H-O268

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.31°



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