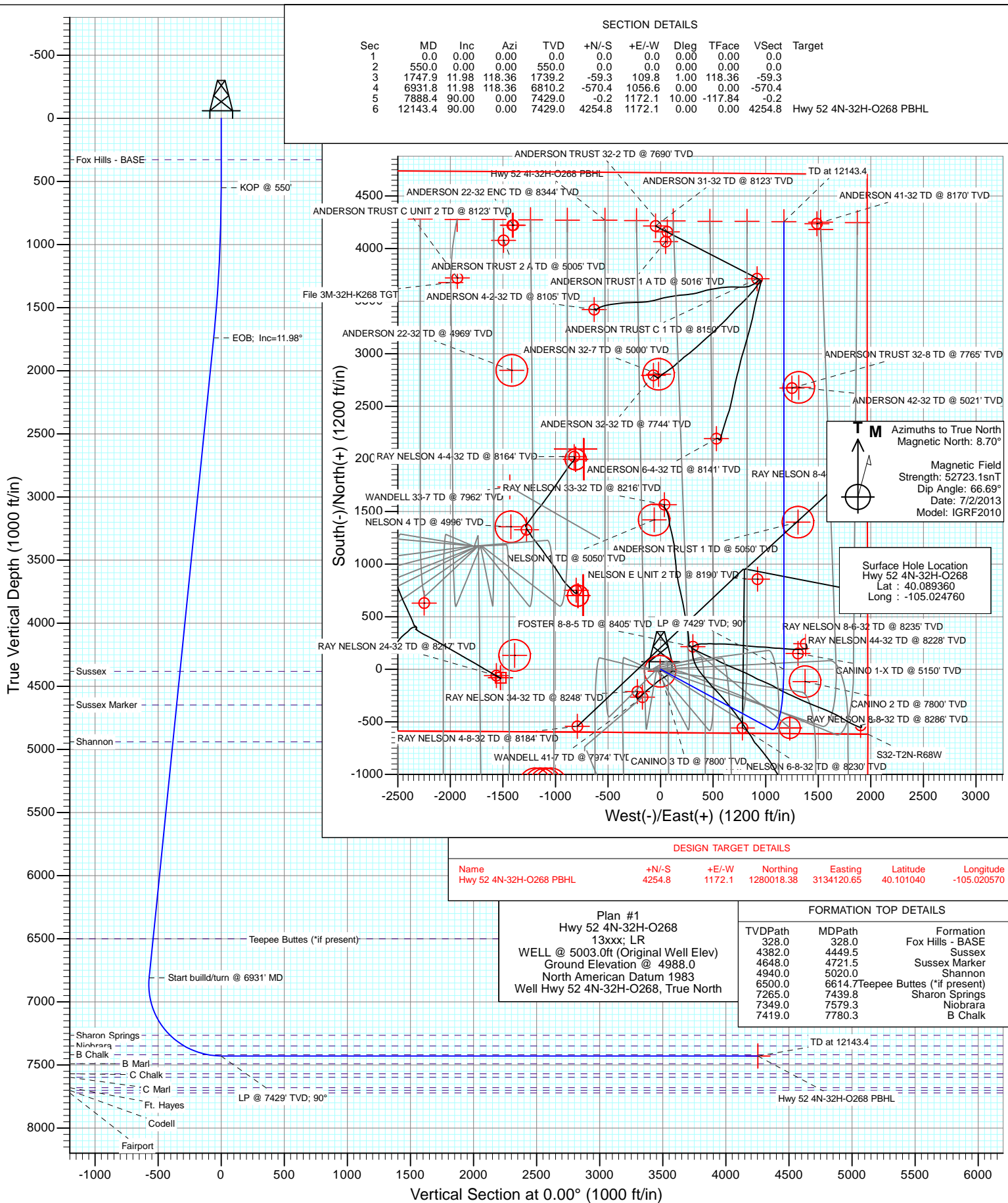




Project: DJ Wattenberg  
Site: S32-T2N-R68W (File/Hwy 52)  
Well: Hwy 52 4N-32H-O268  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 4N-32H-O268					
Well Position	+N/-S	0.0 ft	Northing:	1,275,757.34 ft	Latitude:	40.089360
	+E/-W	0.0 ft	Easting:	3,132,971.37 ft	Longitude:	-105.024760
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	7/2/2013	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	
550.0	0.00	0.00	550.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,747.9	11.98	118.36	1,739.2	-59.3	109.8	1.00	1.00	0.00	118.36	
6,931.8	11.98	118.36	6,810.2	-570.4	1,056.6	0.00	0.00	0.00	0.00	
7,888.4	90.00	0.00	7,429.0	-0.2	1,172.1	10.00	8.16	-12.37	-117.84	
12,143.4	90.00	0.00	7,429.0	4,254.8	1,172.1	0.00	0.00	0.00	0.00	Hwy 52 4N-32H-O268

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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	
328.0	0.00	0.00	328.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
550.0	0.00	0.00	550.0	0.0	0.0	0.0	0.00	0.00	KOP @ 550'
600.0	0.50	118.36	600.0	-0.1	0.2	-0.1	1.00	1.00	
700.0	1.50	118.36	700.0	-0.9	1.7	-0.9	1.00	1.00	
800.0	2.50	118.36	799.9	-2.6	4.8	-2.6	1.00	1.00	
900.0	3.50	118.36	899.8	-5.1	9.4	-5.1	1.00	1.00	
1,000.0	4.50	118.36	999.5	-8.4	15.5	-8.4	1.00	1.00	
1,100.0	5.50	118.36	1,099.2	-12.5	23.2	-12.5	1.00	1.00	
1,200.0	6.50	118.36	1,198.6	-17.5	32.4	-17.5	1.00	1.00	
1,300.0	7.50	118.36	1,297.9	-23.3	43.1	-23.3	1.00	1.00	
1,400.0	8.50	118.36	1,396.9	-29.9	55.4	-29.9	1.00	1.00	
1,500.0	9.50	118.36	1,495.7	-37.3	69.1	-37.3	1.00	1.00	
1,600.0	10.50	118.36	1,594.1	-45.6	84.4	-45.6	1.00	1.00	
1,700.0	11.50	118.36	1,692.3	-54.6	101.2	-54.6	1.00	1.00	
1,747.9	11.98	118.36	1,739.2	-59.3	109.8	-59.3	1.00	1.00	EOB; Inc=11.98°
1,800.0	11.98	118.36	1,790.2	-64.4	119.3	-64.4	0.00	0.00	
1,900.0	11.98	118.36	1,888.0	-74.3	137.6	-74.3	0.00	0.00	
2,000.0	11.98	118.36	1,985.8	-84.1	155.8	-84.1	0.00	0.00	
2,100.0	11.98	118.36	2,083.6	-94.0	174.1	-94.0	0.00	0.00	
2,200.0	11.98	118.36	2,181.4	-103.8	192.4	-103.8	0.00	0.00	
2,300.0	11.98	118.36	2,279.3	-113.7	210.6	-113.7	0.00	0.00	
2,400.0	11.98	118.36	2,377.1	-123.6	228.9	-123.6	0.00	0.00	
2,500.0	11.98	118.36	2,474.9	-133.4	247.2	-133.4	0.00	0.00	
2,600.0	11.98	118.36	2,572.7	-143.3	265.4	-143.3	0.00	0.00	
2,700.0	11.98	118.36	2,670.6	-153.1	283.7	-153.1	0.00	0.00	
2,800.0	11.98	118.36	2,768.4	-163.0	301.9	-163.0	0.00	0.00	
2,900.0	11.98	118.36	2,866.2	-172.9	320.2	-172.9	0.00	0.00	
3,000.0	11.98	118.36	2,964.0	-182.7	338.5	-182.7	0.00	0.00	
3,100.0	11.98	118.36	3,061.8	-192.6	356.7	-192.6	0.00	0.00	
3,200.0	11.98	118.36	3,159.7	-202.4	375.0	-202.4	0.00	0.00	
3,300.0	11.98	118.36	3,257.5	-212.3	393.3	-212.3	0.00	0.00	
3,400.0	11.98	118.36	3,355.3	-222.1	411.5	-222.1	0.00	0.00	
3,500.0	11.98	118.36	3,453.1	-232.0	429.8	-232.0	0.00	0.00	
3,600.0	11.98	118.36	3,551.0	-241.9	448.1	-241.9	0.00	0.00	
3,700.0	11.98	118.36	3,648.8	-251.7	466.3	-251.7	0.00	0.00	
3,800.0	11.98	118.36	3,746.6	-261.6	484.6	-261.6	0.00	0.00	
3,900.0	11.98	118.36	3,844.4	-271.4	502.9	-271.4	0.00	0.00	
4,000.0	11.98	118.36	3,942.3	-281.3	521.1	-281.3	0.00	0.00	
4,100.0	11.98	118.36	4,040.1	-291.2	539.4	-291.2	0.00	0.00	
4,200.0	11.98	118.36	4,137.9	-301.0	557.6	-301.0	0.00	0.00	
4,300.0	11.98	118.36	4,235.7	-310.9	575.9	-310.9	0.00	0.00	
4,400.0	11.98	118.36	4,333.5	-320.7	594.2	-320.7	0.00	0.00	
4,449.5	11.98	118.36	4,382.0	-325.6	603.2	-325.6	0.00	0.00	Sussex
4,500.0	11.98	118.36	4,431.4	-330.6	612.4	-330.6	0.00	0.00	
4,600.0	11.98	118.36	4,529.2	-340.5	630.7	-340.5	0.00	0.00	
4,700.0	11.98	118.36	4,627.0	-350.3	649.0	-350.3	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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
4,721.5	11.98	118.36	4,648.0	-352.4	652.9	-352.4	0.00	0.00	Sussex Marker
4,800.0	11.98	118.36	4,724.8	-360.2	667.2	-360.2	0.00	0.00	
4,900.0	11.98	118.36	4,822.7	-370.0	685.5	-370.0	0.00	0.00	
5,000.0	11.98	118.36	4,920.5	-379.9	703.8	-379.9	0.00	0.00	
5,020.0	11.98	118.36	4,940.0	-381.9	707.4	-381.9	0.00	0.00	Shannon
5,100.0	11.98	118.36	5,018.3	-389.8	722.0	-389.8	0.00	0.00	
5,200.0	11.98	118.36	5,116.1	-399.6	740.3	-399.6	0.00	0.00	
5,300.0	11.98	118.36	5,213.9	-409.5	758.5	-409.5	0.00	0.00	
5,400.0	11.98	118.36	5,311.8	-419.3	776.8	-419.3	0.00	0.00	
5,500.0	11.98	118.36	5,409.6	-429.2	795.1	-429.2	0.00	0.00	
5,600.0	11.98	118.36	5,507.4	-439.0	813.3	-439.0	0.00	0.00	
5,700.0	11.98	118.36	5,605.2	-448.9	831.6	-448.9	0.00	0.00	
5,800.0	11.98	118.36	5,703.1	-458.8	849.9	-458.8	0.00	0.00	
5,900.0	11.98	118.36	5,800.9	-468.6	868.1	-468.6	0.00	0.00	
6,000.0	11.98	118.36	5,898.7	-478.5	886.4	-478.5	0.00	0.00	
6,100.0	11.98	118.36	5,996.5	-488.3	904.7	-488.3	0.00	0.00	
6,200.0	11.98	118.36	6,094.3	-498.2	922.9	-498.2	0.00	0.00	
6,300.0	11.98	118.36	6,192.2	-508.1	941.2	-508.1	0.00	0.00	
6,400.0	11.98	118.36	6,290.0	-517.9	959.4	-517.9	0.00	0.00	
6,500.0	11.98	118.36	6,387.8	-527.8	977.7	-527.8	0.00	0.00	
6,600.0	11.98	118.36	6,485.6	-537.6	996.0	-537.6	0.00	0.00	
6,614.7	11.98	118.36	6,500.0	-539.1	998.7	-539.1	0.00	0.00	Teepee Buttes (*if present)
6,700.0	11.98	118.36	6,583.5	-547.5	1,014.2	-547.5	0.00	0.00	
6,800.0	11.98	118.36	6,681.3	-557.4	1,032.5	-557.4	0.00	0.00	
6,900.0	11.98	118.36	6,779.1	-567.2	1,050.8	-567.2	0.00	0.00	
6,931.8	11.98	118.36	6,810.2	-570.4	1,056.6	-570.4	0.00	0.00	Start build/turn @ 6931' MD
7,000.0	10.64	83.71	6,877.2	-573.0	1,069.1	-573.0	10.00	-1.97	
7,100.0	15.33	42.94	6,974.8	-562.3	1,087.3	-562.3	10.00	4.69	
7,200.0	23.55	25.37	7,069.1	-534.5	1,104.9	-534.5	10.00	8.22	
7,300.0	32.73	16.89	7,157.2	-490.5	1,121.4	-490.5	10.00	9.19	
7,400.0	42.26	11.86	7,236.5	-431.6	1,136.2	-431.6	10.00	9.53	
7,439.8	46.10	10.35	7,265.0	-404.3	1,141.5	-404.3	10.00	9.65	Sharon Springs
7,500.0	51.94	8.41	7,304.5	-359.5	1,148.9	-359.5	10.00	9.70	
7,579.3	59.67	6.27	7,349.0	-294.5	1,157.2	-294.5	10.00	9.75	Niobrara
7,600.0	61.69	5.77	7,359.1	-276.6	1,159.1	-276.6	10.00	9.78	
7,700.0	71.49	3.58	7,398.8	-185.2	1,166.5	-185.2	10.00	9.80	
7,780.3	79.37	2.01	7,419.0	-107.7	1,170.2	-107.7	10.00	9.82	B Chalk
7,800.0	81.31	1.64	7,422.3	-88.3	1,170.9	-88.3	10.00	9.83	
7,888.4	90.00	0.00	7,429.0	-0.2	1,172.1	-0.2	10.00	9.83	LP @ 7429' TVD; 90°
7,900.0	90.00	0.00	7,429.0	11.4	1,172.1	11.4	0.00	0.00	
8,000.0	90.00	0.00	7,429.0	111.4	1,172.1	111.4	0.00	0.00	
8,100.0	90.00	0.00	7,429.0	211.4	1,172.1	211.4	0.00	0.00	
8,200.0	90.00	0.00	7,429.0	311.4	1,172.1	311.4	0.00	0.00	
8,300.0	90.00	0.00	7,429.0	411.4	1,172.1	411.4	0.00	0.00	
8,400.0	90.00	0.00	7,429.0	511.4	1,172.1	511.4	0.00	0.00	
8,500.0	90.00	0.00	7,429.0	611.4	1,172.1	611.4	0.00	0.00	
8,600.0	90.00	0.00	7,429.0	711.4	1,172.1	711.4	0.00	0.00	
8,700.0	90.00	0.00	7,429.0	811.4	1,172.1	811.4	0.00	0.00	
8,800.0	90.00	0.00	7,429.0	911.4	1,172.1	911.4	0.00	0.00	
8,900.0	90.00	0.00	7,429.0	1,011.4	1,172.1	1,011.4	0.00	0.00	
9,000.0	90.00	0.00	7,429.0	1,111.4	1,172.1	1,111.4	0.00	0.00	
9,100.0	90.00	0.00	7,429.0	1,211.4	1,172.1	1,211.4	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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
9,200.0	90.00	0.00	7,429.0	1,311.4	1,172.1	1,311.4	0.00	0.00	
9,300.0	90.00	0.00	7,429.0	1,411.4	1,172.1	1,411.4	0.00	0.00	
9,400.0	90.00	0.00	7,429.0	1,511.4	1,172.1	1,511.4	0.00	0.00	
9,500.0	90.00	0.00	7,429.0	1,611.4	1,172.1	1,611.4	0.00	0.00	
9,600.0	90.00	0.00	7,429.0	1,711.4	1,172.1	1,711.4	0.00	0.00	
9,700.0	90.00	0.00	7,429.0	1,811.4	1,172.1	1,811.4	0.00	0.00	
9,800.0	90.00	0.00	7,429.0	1,911.4	1,172.1	1,911.4	0.00	0.00	
9,900.0	90.00	0.00	7,429.0	2,011.4	1,172.1	2,011.4	0.00	0.00	
10,000.0	90.00	0.00	7,429.0	2,111.4	1,172.1	2,111.4	0.00	0.00	
10,100.0	90.00	0.00	7,429.0	2,211.4	1,172.1	2,211.4	0.00	0.00	
10,200.0	90.00	0.00	7,429.0	2,311.4	1,172.1	2,311.4	0.00	0.00	
10,300.0	90.00	0.00	7,429.0	2,411.4	1,172.1	2,411.4	0.00	0.00	
10,400.0	90.00	0.00	7,429.0	2,511.4	1,172.1	2,511.4	0.00	0.00	
10,500.0	90.00	0.00	7,429.0	2,611.4	1,172.1	2,611.4	0.00	0.00	
10,600.0	90.00	0.00	7,429.0	2,711.4	1,172.1	2,711.4	0.00	0.00	
10,700.0	90.00	0.00	7,429.0	2,811.4	1,172.1	2,811.4	0.00	0.00	
10,800.0	90.00	0.00	7,429.0	2,911.4	1,172.1	2,911.4	0.00	0.00	
10,900.0	90.00	0.00	7,429.0	3,011.4	1,172.1	3,011.4	0.00	0.00	
11,000.0	90.00	0.00	7,429.0	3,111.4	1,172.1	3,111.4	0.00	0.00	
11,100.0	90.00	0.00	7,429.0	3,211.4	1,172.1	3,211.4	0.00	0.00	
11,200.0	90.00	0.00	7,429.0	3,311.4	1,172.1	3,311.4	0.00	0.00	
11,300.0	90.00	0.00	7,429.0	3,411.4	1,172.1	3,411.4	0.00	0.00	
11,400.0	90.00	0.00	7,429.0	3,511.4	1,172.1	3,511.4	0.00	0.00	
11,500.0	90.00	0.00	7,429.0	3,611.4	1,172.1	3,611.4	0.00	0.00	
11,600.0	90.00	0.00	7,429.0	3,711.4	1,172.1	3,711.4	0.00	0.00	
11,700.0	90.00	0.00	7,429.0	3,811.4	1,172.1	3,811.4	0.00	0.00	
11,800.0	90.00	0.00	7,429.0	3,911.4	1,172.1	3,911.4	0.00	0.00	
11,900.0	90.00	0.00	7,429.0	4,011.4	1,172.1	4,011.4	0.00	0.00	
12,000.0	90.00	0.00	7,429.0	4,111.4	1,172.1	4,111.4	0.00	0.00	
12,100.0	90.00	0.00	7,429.0	4,211.4	1,172.1	4,211.4	0.00	0.00	
12,143.4	90.00	0.00	7,429.0	4,254.8	1,172.1	4,254.8	0.00	0.00	TD at 12143.4 - Hwy 52 4N-32H-O268 PBHL

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Hwy 52 4N-32H-O268 P	0.00	0.00	7,429.0	4,254.8	1,172.1	1,280,018.38	3,134,120.65	40.101040	-105.020570
- 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 4N-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 4N-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				
4,449.5	4,382.0	Sussex				
4,721.5	4,648.0	Sussex Marker				
5,020.0	4,940.0	Shannon				
6,614.7	6,500.0	Teepee Buttes (*if present)				
7,439.8	7,265.0	Sharon Springs				
7,579.3	7,349.0	Niobrara				
7,780.3	7,419.0	B Chalk				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
550.0	550.0	0.0	0.0	KOP @ 550'	
1,747.9	1,739.2	-59.3	109.8	EOB; Inc=11.98°	
6,931.8	6,810.2	-570.4	1,056.6	Start build/turn @ 6931' MD	
7,888.4	7,429.0	-0.2	1,172.1	LP @ 7429' TVD; 90°	
12,143.4	7,429.0	4,254.8	1,172.1	TD at 12143.4	

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

**DJ Wattenberg**

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

**Hwy 52 4N-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 4N-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 4N-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	12,146.8	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 4N-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 4N-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)	Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
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						Out of range
ANDERSON 32-32 (EXISTING) - ENCANA WELL - SUR						Out of range
ANDERSON 32-7 (EXISTING) - KPK WELL - NO SURVE						Out of range
ANDERSON 41-32 (EXISTING) - ENCANA WELL - NO S	12,125.2	7,321.0	315.3	225.2	3.501	CC, ES
ANDERSON 41-32 (EXISTING) - ENCANA WELL - NO S	12,143.4	7,321.0	315.8	225.4	3.495	SF
ANDERSON 42-32 (EXISTING) - BASIN EXP WELL - NO						Out of range
ANDERSON 4-2-32 (EXISTING) - ENCANA WELL - SUR						Out of range
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						Out of range
ANDERSON TRUST 32-8 (EXISTING) - ENCANA WELL	10,562.0	7,388.0	77.3	13.9	1.219	Level 2, CC, ES, SF
ANDERSON TRUST C 1 (EXISTING) - ENCANA WELL	11,602.1	7,372.0	254.0	172.9	3.131	CC, ES, SF
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	1,374.0	1,349.7	298.3	291.7	44.915	CC
BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA	1,400.0	1,372.9	298.4	291.6	43.873	ES
BROWN 41-5 (EXISTING) - ENCANA WELL - ENCANA	2,200.0	2,131.9	354.9	344.2	33.294	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	7,777.6	7,361.5	204.6	178.2	7.750	CC, ES, SF
CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR	789.0	731.9	19.2	16.6	7.306	CC
CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR	800.0	742.9	19.3	16.6	7.202	ES
CANINO 3 (EXISTING) - HUGHES CW WELL - NO SUR	900.0	842.8	20.1	17.0	6.620	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 4N-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 4N-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	102.6	102.0	193.325	CC
Hwy 52 4A-32H-O268 - Hz - Plan #1	200.0	202.0	102.6	101.9	157.984	ES
Hwy 52 4A-32H-O268 - Hz - Plan #1	1,100.0	1,089.5	176.7	172.9	46.834	SF
Hwy 52 4B-32H-O268 - Hz - Plan #1	166.3	167.3	97.3	96.8	183.577	CC
Hwy 52 4B-32H-O268 - Hz - Plan #1	200.0	201.0	97.3	96.6	150.261	ES
Hwy 52 4B-32H-O268 - Hz - Plan #1	1,100.0	1,094.8	151.5	147.7	40.063	SF
Hwy 52 4C-32H-O268 - Hz - Plan #1	717.6	720.9	91.2	88.7	37.068	CC, ES
Hwy 52 4C-32H-O268 - Hz - Plan #1	1,200.0	1,202.3	111.1	107.0	26.761	SF
Hwy 52 4D-32H-O268 - Hz - Plan #1	978.6	985.6	82.6	79.2	24.415	CC
Hwy 52 4D-32H-O268 - Hz - Plan #1	1,000.0	1,006.9	82.7	79.2	23.895	ES
Hwy 52 4D-32H-O268 - Hz - Plan #1	1,300.0	1,306.1	93.3	88.8	20.580	SF
Hwy 52 4E-32H-O268 - Hz - Plan #1	500.0	501.0	72.7	71.0	42.888	CC
Hwy 52 4E-32H-O268 - Hz - Plan #1	600.0	601.0	72.9	70.8	35.652	ES
Hwy 52 4E-32H-O268 - Hz - Plan #1	1,600.0	1,609.2	123.1	117.6	22.163	SF
Hwy 52 4F-32H-O268 - Hz - Plan #1	919.9	926.0	59.1	55.8	18.030	CC, ES
Hwy 52 4F-32H-O268 - Hz - Plan #1	7,981.5	7,562.6	94.9	67.4	3.460	SF
Hwy 52 4G-32H-O268 - Hz - Plan #1	1,657.3	1,670.6	47.8	41.7	7.801	CC
Hwy 52 4G-32H-O268 - Hz - Plan #1	1,700.0	1,713.4	47.9	41.5	7.466	ES
Hwy 52 4G-32H-O268 - Hz - Plan #1	2,200.0	2,212.0	66.2	55.1	5.965	SF
Hwy 52 4H-32H-O268 - Hz - Plan #1	500.0	501.0	57.3	55.6	33.813	CC
Hwy 52 4H-32H-O268 - Hz - Plan #1	600.0	601.0	57.5	55.4	28.131	ES
Hwy 52 4H-32H-O268 - Hz - Plan #1	2,700.0	2,707.7	168.6	153.9	11.422	SF
Hwy 52 4I-32H-O268 - Hz - Plan #1	200.0	200.0	43.0	42.3	66.535	CC, ES
Hwy 52 4I-32H-O268 - Hz - Plan #1	700.0	695.6	63.2	60.8	26.362	SF
Hwy 52 4J-32H-O268 - Hz - Plan #1	300.0	300.0	37.3	36.3	37.510	CC
Hwy 52 4J-32H-O268 - Hz - Plan #1	400.0	399.9	37.5	36.2	27.907	ES
Hwy 52 4J-32H-O268 - Hz - Plan #1	800.0	798.1	50.1	47.3	17.932	SF
Hwy 52 4K-32H-O268 - Hz - Plan #1	600.0	600.2	32.6	30.6	15.944	CC, ES
Hwy 52 4K-32H-O268 - Hz - Plan #1	1,000.0	999.8	42.9	39.3	11.985	SF
Hwy 52 4L-32H-O268 - Hz - Plan #1	745.8	746.7	25.6	23.1	9.934	CC, ES
Hwy 52 4L-32H-O268 - Hz - Plan #1	1,000.0	1,000.7	31.3	27.7	8.599	SF
Hwy 52 4M-32H-O268 - Hz - Plan #1	500.0	500.0	6.7	5.0	3.947	CC
Hwy 52 4M-32H-O268 - Hz - Plan #1	600.0	600.0	6.8	4.7	3.324	ES
Hwy 52 4M-32H-O268 - Hz - Plan #1	1,200.0	1,200.6	11.7	7.5	2.767	SF
Hwy 52 4O-32H-O268 - Hz - Plan #1	400.0	400.0	4.6	3.2	3.418	CC, ES
Hwy 52 4O-32H-O268 - Hz - Plan #1	500.0	499.9	5.3	3.6	3.154	SF
Hwy 52 4P-32H-O268 - Hz - Plan #1	200.0	200.0	8.4	7.7	12.998	CC, ES
Hwy 52 4P-32H-O268 - Hz - Plan #1	400.0	399.6	11.8	10.5	8.785	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 SURV						Out of range
NELSON 2 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 3 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 4 (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 4N-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 4N-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)						
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	8,745.4	7,382.0	250.5	216.0	7.265	CC, ES, SF
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	1,128.9	1,109.6	337.8	333.9	85.650	CC, ES
RAY NELSON 33-32 (EXISTING) - ENCANA WELL - EN	2,000.0	1,869.1	469.1	460.9	57.343	SF
RAY NELSON 34-32 (EXISTING) - ENCANA WELL - EN	1,708.1	1,692.2	45.9	39.3	6.927	CC, ES, SF
RAY NELSON 44-32 (EXISTING) - ENCANA WELL - EN	8,113.4	7,553.0	216.4	188.6	7.776	CC, ES, 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						Out of range
RAY NELSON 6-8-32 (EXISTING) - ENCANA WELL - PL	6,099.5	6,164.5	188.0	156.1	5.905	CC
RAY NELSON 6-8-32 (EXISTING) - ENCANA WELL - PL	6,100.0	6,164.9	188.0	156.1	5.904	ES
RAY NELSON 6-8-32 (EXISTING) - ENCANA WELL - PL	6,500.0	6,552.5	212.5	174.0	5.520	SF
Ray Nelson 7-8-32 - DD - Plan #1	7,100.0	7,092.9	141.1	107.3	4.181	SF
Ray Nelson 7-8-32 - DD - Plan #1	7,250.1	7,232.3	122.7	95.8	4.567	CC, ES
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	363.4			
RAY NELSON 8-8-32 (EXISTING) - ENCANA WELL - SU	1,400.0	1,268.7	489.5	483.5	81.351	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						Out of range
WANDELL 42-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range
WANDELL 43-7 (EXISTING) - ENCANA WELL - Plan #1						Out of range

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 41-32 (EXISTING) - ENCANA WELL - NO SURVEYS		Offset Site Error:		0.0 ft
Survey Program:													8170-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
11,800.0	7,429.0	7,321.0	7,321.0	74.6	12.8	90.00	4,236.6	1,487.4	452.9	368.5	84.43	5.364					
11,900.0	7,429.0	7,321.0	7,321.0	76.2	12.8	90.00	4,236.6	1,487.4	387.4	301.3	86.16	4.497					
12,000.0	7,429.0	7,321.0	7,321.0	77.9	12.8	90.00	4,236.6	1,487.4	339.2	251.3	87.88	3.860					
12,100.0	7,429.0	7,321.0	7,321.0	79.5	12.8	90.00	4,236.6	1,487.4	316.3	226.7	89.61	3.530					
12,125.2	7,429.0	7,321.0	7,321.0	80.0	12.8	90.00	4,236.6	1,487.4	315.3	225.2	90.04	3.501	CC, ES				
12,143.4	7,429.0	7,321.0	7,321.0	80.3	12.8	90.00	4,236.6	1,487.4	315.8	225.4	90.36	3.495	SF				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 32-8 (EXISTING) - ENCANA WELL - NO SURVEY													Offset Site Error: 0.0 ft
Survey Program: 7765-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
10,100.0	7,429.0	7,388.0	7,388.0	47.5	12.9	90.00	2,673.5	1,249.4	468.5	412.8	55.65	8.419	
10,200.0	7,429.0	7,388.0	7,388.0	49.0	12.9	90.00	2,673.5	1,249.4	370.2	312.9	57.32	6.460	
10,300.0	7,429.0	7,388.0	7,388.0	50.5	12.9	90.00	2,673.5	1,249.4	273.2	214.2	58.99	4.632	
10,400.0	7,429.0	7,388.0	7,388.0	52.0	12.9	90.00	2,673.5	1,249.4	179.6	118.9	60.67	2.960	
10,500.0	7,429.0	7,388.0	7,388.0	53.6	12.9	90.00	2,673.5	1,249.4	99.1	36.8	62.35	1.590	
10,562.0	7,429.0	7,388.0	7,388.0	54.5	12.9	90.00	2,673.5	1,249.4	77.3	13.9	63.40	1.219	Level 2, CC, ES, SF
10,600.0	7,429.0	7,388.0	7,388.0	55.1	12.9	90.00	2,673.5	1,249.4	86.1	22.0	64.04	1.344	Level 3
10,700.0	7,429.0	7,388.0	7,388.0	56.7	12.9	90.00	2,673.5	1,249.4	158.1	92.4	65.73	2.405	
10,800.0	7,429.0	7,388.0	7,388.0	58.3	12.9	90.00	2,673.5	1,249.4	250.2	182.7	67.43	3.710	
10,900.0	7,429.0	7,388.0	7,388.0	59.9	12.9	90.00	2,673.5	1,249.4	346.6	277.5	69.13	5.014	
11,000.0	7,429.0	7,388.0	7,388.0	61.5	12.9	90.00	2,673.5	1,249.4	444.7	373.9	70.83	6.278	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 C 1 (EXISTING) - ENCANA WELL - NO SURVEY										Offset Site Error:		0.0 ft	
Survey Program:		8150-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				
11,200.0	7,429.0	7,372.0	7,372.0	64.7	12.9	-90.00	3,713.5	918.1	475.6	401.4	74.22	6.408			
11,300.0	7,429.0	7,372.0	7,372.0	66.3	12.9	-90.00	3,713.5	918.1	394.7	318.7	75.93	5.197			
11,400.0	7,429.0	7,372.0	7,372.0	68.0	12.9	-90.00	3,713.5	918.1	324.6	246.9	77.65	4.180			
11,500.0	7,429.0	7,372.0	7,372.0	69.6	12.9	-90.00	3,713.5	918.1	273.7	194.4	79.36	3.449			
11,600.0	7,429.0	7,372.0	7,372.0	71.3	12.9	-90.00	3,713.5	918.1	254.0	172.9	81.08	3.133			
11,602.1	7,429.0	7,372.0	7,372.0	71.3	12.9	-90.00	3,713.5	918.1	254.0	172.9	81.12	3.131	CC, ES, SF		
11,700.0	7,429.0	7,372.0	7,372.0	72.9	12.9	-90.00	3,713.5	918.1	272.2	189.4	82.80	3.287			
11,800.0	7,429.0	7,372.0	7,372.0	74.6	12.9	-90.00	3,713.5	918.1	322.0	237.5	84.52	3.810			
11,900.0	7,429.0	7,372.0	7,372.0	76.2	12.9	-90.00	3,713.5	918.1	391.5	305.2	86.25	4.539			
12,000.0	7,429.0	7,372.0	7,372.0	77.9	12.9	-90.00	3,713.5	918.1	472.1	384.1	87.97	5.366			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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	55.96	200.4	296.6	358.0						
100.0	100.0	88.3	88.3	0.1	0.1	56.02	200.3	297.2	358.4	0.28	1,296.372				
200.0	200.0	187.8	187.8	0.3	0.3	56.12	200.3	298.2	359.2	0.62	574.977				
300.0	300.0	289.3	289.3	0.5	0.5	56.25	200.0	299.3	360.0	0.98	368.691				
400.0	400.0	399.6	399.5	0.7	0.7	56.58	197.7	299.6	359.0	1.35	266.757				
500.0	500.0	507.2	506.9	0.8	0.9	57.44	191.1	299.3	355.5	1.72	206.288				
600.0	600.0	615.0	614.1	1.0	1.2	-59.28	179.1	299.8	349.8	2.16	162.327				
700.0	700.0	718.6	716.3	1.2	1.5	-57.09	162.3	300.7	341.6	2.63	130.014				
800.0	799.9	812.2	808.3	1.4	1.8	-54.93	145.5	302.7	333.1	3.10	107.370				
900.0	899.8	909.2	903.5	1.6	2.1	-52.57	127.5	306.4	325.5	3.63	89.745				
1,000.0	999.5	1,008.9	1,001.1	1.8	2.5	-49.93	107.2	311.1	317.5	4.22	75.315				
1,100.0	1,099.2	1,104.0	1,093.1	2.0	3.0	-46.71	84.0	317.1	309.3	4.86	63.590				
1,200.0	1,198.6	1,191.0	1,176.6	2.2	3.4	-43.36	60.8	324.6	302.8	5.50	55.084				
1,300.0	1,297.9	1,283.6	1,265.1	2.4	3.9	-39.64	35.7	335.4	299.1	6.17	48.450				
1,374.0	1,371.2	1,349.7	1,328.0	2.6	4.2	-37.00	17.9	344.8	298.3	6.64	44.915 CC				
1,400.0	1,396.9	1,372.9	1,350.1	2.7	4.3	-36.12	11.8	348.4	298.4	6.80	43.873 ES				
1,500.0	1,495.7	1,462.0	1,434.7	3.0	4.8	-32.86	-11.3	364.1	300.6	7.40	40.615				
1,600.0	1,594.1	1,556.4	1,523.9	3.3	5.4	-29.51	-36.2	382.6	304.5	7.99	38.095				
1,700.0	1,692.3	1,649.8	1,612.0	3.7	5.9	-26.54	-60.3	402.1	309.3	8.53	36.269				
1,800.0	1,790.2	1,741.4	1,697.9	4.0	6.5	-23.79	-84.2	423.1	315.6	9.04	34.923				
1,900.0	1,888.0	1,837.6	1,787.1	4.4	7.1	-20.71	-111.2	446.5	324.4	9.53	34.034				
2,000.0	1,985.8	1,936.4	1,878.6	4.8	7.8	-17.36	-140.9	469.5	333.6	9.95	33.520				
2,100.0	2,083.6	2,035.6	1,970.7	5.2	8.4	-14.61	-168.3	493.6	344.1	10.31	33.373				
2,200.0	2,181.4	2,131.9	2,060.7	5.6	9.0	-12.33	-193.6	517.0	354.9	10.66	33.294 SF				
2,300.0	2,279.3	2,229.6	2,151.6	5.9	9.7	-10.05	-220.0	541.2	367.0	10.95	33.511				
2,400.0	2,377.1	2,330.1	2,245.5	6.3	10.3	-8.13	-245.3	566.5	379.2	11.24	33.755				
2,500.0	2,474.9	2,429.0	2,337.9	6.7	10.9	-6.29	-270.7	591.1	391.8	11.51	34.034				
2,600.0	2,572.7	2,541.2	2,443.3	7.1	11.6	-4.15	-299.7	616.3	402.6	11.77	34.196				
2,700.0	2,670.6	2,640.0	2,536.6	7.5	12.2	-2.25	-325.3	636.4	411.8	12.00	34.319				
2,800.0	2,768.4	2,725.8	2,617.2	7.9	12.8	-0.61	-348.4	654.8	423.2	12.23	34.605				
2,900.0	2,866.2	2,812.1	2,696.8	8.3	13.4	1.25	-374.9	674.6	438.3	12.43	35.272				
3,000.0	2,964.0	2,904.7	2,781.8	8.7	14.1	3.16	-404.4	697.0	455.7	12.62	36.117				
3,100.0	3,061.8	3,010.8	2,879.1	9.1	14.9	5.09	-437.4	722.9	473.5	12.82	36.920				
3,200.0	3,159.7	3,119.2	2,979.7	9.5	15.6	6.97	-470.0	747.1	489.1	13.04	37.507				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 2 (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		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			
7,200.0	7,069.1	7,012.1	7,012.1	25.2	12.2	8.20	-117.6	1,374.6	496.5	461.8	34.73	14.297		
7,300.0	7,157.2	7,100.2	7,100.2	25.2	12.4	20.31	-117.6	1,374.6	450.7	418.0	32.69	13.789		
7,400.0	7,236.5	7,179.5	7,179.5	25.1	12.5	32.64	-117.6	1,374.6	394.2	364.0	30.20	13.053		
7,500.0	7,304.5	7,247.5	7,247.5	25.0	12.6	48.23	-117.6	1,374.6	330.9	302.9	27.94	11.844		
7,600.0	7,359.1	7,302.1	7,302.1	25.0	12.7	66.75	-117.6	1,374.6	267.8	241.1	26.73	10.019		
7,700.0	7,398.8	7,341.8	7,341.8	24.9	12.8	82.84	-117.6	1,374.6	218.8	192.4	26.44	8.277		
7,777.6	7,418.5	7,361.5	7,361.5	24.9	12.8	90.00	-117.6	1,374.6	204.6	178.2	26.40	7.750 CC, ES, SF		
7,800.0	7,422.3	7,365.3	7,365.3	24.9	12.9	91.00	-117.6	1,374.6	205.8	179.5	26.38	7.803		
7,900.0	7,429.0	7,372.0	7,372.0	25.0	12.9	90.00	-117.6	1,374.6	240.1	213.5	26.60	9.026		
8,000.0	7,429.0	7,372.0	7,372.0	25.2	12.9	90.00	-117.6	1,374.6	305.7	278.7	26.96	11.340		
8,100.0	7,429.0	7,372.0	7,372.0	25.5	12.9	90.00	-117.6	1,374.6	386.3	358.8	27.52	14.040		
8,200.0	7,429.0	7,372.0	7,372.0	25.9	12.9	90.00	-117.6	1,374.6	474.4	446.1	28.26	16.790		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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			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	-166.16	-19.3	-4.8	60.4					
100.0	100.0	43.0	43.0	0.1	0.1	-166.16	-19.3	-4.8	19.9	19.7	0.22	88.908		
200.0	200.0	143.0	143.0	0.3	0.2	-166.16	-19.3	-4.8	19.9	19.3	0.57	34.715		
300.0	300.0	243.0	243.0	0.5	0.4	-166.16	-19.3	-4.8	19.9	19.0	0.92	21.568		
400.0	400.0	343.0	343.0	0.7	0.6	-166.16	-19.3	-4.8	19.9	18.6	1.27	15.644		
500.0	500.0	443.0	443.0	0.8	0.8	-166.16	-19.3	-4.8	19.9	18.3	1.62	12.273		
600.0	600.0	543.0	543.0	1.0	0.9	76.09	-19.3	-4.8	19.8	17.9	1.97	10.070		
700.0	700.0	643.0	643.0	1.2	1.1	81.08	-19.3	-4.8	19.5	17.2	2.32	8.400		
789.0	788.9	731.9	731.9	1.4	1.3	90.00	-19.3	-4.8	19.2	16.6	2.63	7.306 CC		
800.0	799.9	742.9	742.9	1.4	1.3	91.40	-19.3	-4.8	19.3	16.6	2.67	7.202 ES		
900.0	899.8	842.8	842.8	1.6	1.5	106.48	-19.3	-4.8	20.1	17.0	3.03	6.620 SF		
1,000.0	999.5	942.5	942.5	1.8	1.6	123.30	-19.3	-4.8	23.0	19.7	3.39	6.797		
1,100.0	1,099.2	1,042.2	1,042.2	2.0	1.8	137.90	-19.3	-4.8	28.8	25.0	3.74	7.689		
1,200.0	1,198.6	1,141.6	1,141.6	2.2	2.0	148.69	-19.3	-4.8	37.2	33.1	4.09	9.105		
1,300.0	1,297.9	1,240.9	1,240.9	2.4	2.2	156.21	-19.3	-4.8	48.1	43.6	4.43	10.855		
1,400.0	1,396.9	1,339.9	1,339.9	2.7	2.3	161.44	-19.3	-4.8	61.1	56.3	4.76	12.816		
1,500.0	1,495.7	1,438.7	1,438.7	3.0	2.5	165.15	-19.3	-4.8	76.1	71.0	5.10	14.913		
1,600.0	1,594.1	1,537.1	1,537.1	3.3	2.7	167.86	-19.3	-4.8	93.0	87.5	5.44	17.105		
1,700.0	1,692.3	1,635.3	1,635.3	3.7	2.9	169.88	-19.3	-4.8	111.7	105.9	5.77	19.367		
1,800.0	1,790.2	1,733.2	1,733.2	4.0	3.0	171.43	-19.3	-4.8	132.0	125.9	6.10	21.624		
1,900.0	1,888.0	1,831.0	1,831.0	4.4	3.2	172.59	-19.3	-4.8	152.6	146.1	6.45	23.665		
2,000.0	1,985.8	1,928.8	1,928.8	4.8	3.4	173.48	-19.3	-4.8	173.2	166.4	6.79	25.506		
2,100.0	2,083.6	2,026.6	2,026.6	5.2	3.5	174.18	-19.3	-4.8	193.8	186.7	7.13	27.174		
2,200.0	2,181.4	2,124.4	2,124.4	5.6	3.7	174.74	-19.3	-4.8	214.5	207.0	7.48	28.691		
2,300.0	2,279.3	2,222.3	2,222.3	5.9	3.9	175.20	-19.3	-4.8	235.2	227.3	7.82	30.077		
2,400.0	2,377.1	2,320.1	2,320.1	6.3	4.0	175.59	-19.3	-4.8	255.9	247.7	8.16	31.347		
2,500.0	2,474.9	2,417.9	2,417.9	6.7	4.2	175.92	-19.3	-4.8	276.6	268.0	8.51	32.515		
2,600.0	2,572.7	2,515.7	2,515.7	7.1	4.4	176.21	-19.3	-4.8	297.3	288.4	8.85	33.594		
2,700.0	2,670.6	2,613.6	2,613.6	7.5	4.6	176.45	-19.3	-4.8	318.0	308.8	9.19	34.593		
2,800.0	2,768.4	2,711.4	2,711.4	7.9	4.7	176.67	-19.3	-4.8	338.7	329.2	9.54	35.520		
2,900.0	2,866.2	2,809.2	2,809.2	8.3	4.9	176.86	-19.3	-4.8	359.4	349.5	9.88	36.382		
3,000.0	2,964.0	2,907.0	2,907.0	8.7	5.1	177.03	-19.3	-4.8	380.1	369.9	10.22	37.188		
3,100.0	3,061.8	3,004.8	3,004.8	9.1	5.2	177.19	-19.3	-4.8	400.9	390.3	10.57	37.941		
3,200.0	3,159.7	3,102.7	3,102.7	9.5	5.4	177.33	-19.3	-4.8	421.6	410.7	10.91	38.646		
3,300.0	3,257.5	3,200.5	3,200.5	9.9	5.6	177.45	-19.3	-4.8	442.3	431.1	11.25	39.309		
3,400.0	3,355.3	3,298.3	3,298.3	10.3	5.8	177.57	-19.3	-4.8	463.1	451.5	11.60	39.933		
3,500.0	3,453.1	3,396.1	3,396.1	10.7	5.9	177.67	-19.3	-4.8	483.8	471.9	11.94	40.520		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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: 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)			
0.0	0.0	2.0	2.0	0.0	0.0	-93.97	-7.1	-102.3	102.6				
100.0	100.0	102.0	102.0	0.1	0.2	-93.97	-7.1	-102.3	102.6	102.3	0.30	341.660	
166.0	166.0	168.0	168.0	0.3	0.3	-93.97	-7.1	-102.3	102.6	102.0	0.53	193.325	CC
200.0	200.0	202.0	202.0	0.3	0.3	-93.97	-7.1	-102.3	102.6	101.9	0.65	157.984	ES
300.0	300.0	300.0	300.0	0.5	0.5	-93.82	-6.9	-103.2	103.4	102.4	1.00	103.906	
400.0	400.0	398.5	398.5	0.7	0.7	-93.41	-6.3	-105.7	105.9	104.6	1.34	78.778	
500.0	500.0	496.7	496.5	0.8	0.9	-92.76	-5.3	-109.8	110.0	108.3	1.70	64.853	
600.0	600.0	594.6	594.3	1.0	1.1	149.74	-3.9	-115.5	116.0	114.0	2.04	56.999	
700.0	700.0	693.3	692.7	1.2	1.3	151.01	-2.2	-122.7	124.8	122.4	2.38	52.345	
800.0	799.9	792.7	791.8	1.4	1.5	152.47	-0.4	-130.1	135.3	132.5	2.73	49.510	
900.0	899.8	891.9	890.7	1.6	1.7	154.01	1.4	-137.4	147.4	144.3	3.08	47.860	
1,000.0	999.5	990.9	989.4	1.8	1.9	155.56	3.2	-144.8	161.2	157.8	3.43	47.042	
1,100.0	1,099.2	1,089.5	1,087.8	2.0	2.1	157.08	5.0	-152.1	176.7	172.9	3.77	46.834	SF
1,200.0	1,198.6	1,187.9	1,185.9	2.2	2.3	158.53	6.7	-159.4	193.9	189.8	4.12	47.086	
1,300.0	1,297.9	1,286.0	1,283.7	2.4	2.5	159.90	8.5	-166.7	212.8	208.4	4.46	47.696	
1,400.0	1,396.9	1,383.7	1,381.1	2.7	2.7	161.17	10.3	-173.9	233.5	228.7	4.80	48.592	
1,500.0	1,495.7	1,481.0	1,478.1	3.0	3.0	162.34	12.0	-181.1	255.8	250.7	5.15	49.720	
1,600.0	1,594.1	1,577.9	1,574.8	3.3	3.2	163.42	13.8	-188.3	280.0	274.5	5.49	51.038	
1,700.0	1,692.3	1,674.4	1,670.9	3.7	3.4	164.40	15.5	-195.5	305.8	300.0	5.82	52.516	
1,800.0	1,790.2	1,770.5	1,766.7	4.0	3.6	165.33	17.2	-202.6	333.1	326.9	6.16	54.041	
1,900.0	1,888.0	1,866.5	1,862.4	4.4	3.8	166.15	19.0	-209.7	360.7	354.2	6.51	55.404	
2,000.0	1,985.8	1,962.5	1,958.2	4.8	4.0	166.86	20.7	-216.9	388.3	381.4	6.86	56.643	
2,100.0	2,083.6	2,058.5	2,053.9	5.2	4.2	167.47	22.4	-224.0	416.0	408.8	7.20	57.773	
2,200.0	2,181.4	2,154.5	2,149.6	5.6	4.4	168.01	24.1	-231.1	443.7	436.1	7.54	58.807	
2,300.0	2,279.3	2,250.5	2,245.3	5.9	4.6	168.48	25.9	-238.2	471.4	463.5	7.89	59.758	
2,400.0	2,377.1	2,346.5	2,341.1	6.3	4.8	168.91	27.6	-245.4	499.2	491.0	8.23	60.635	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	1.0	1.0	0.0	0.0	-90.67	-1.1	-97.3	97.3					
100.0	100.0	101.0	101.0	0.1	0.2	-90.67	-1.1	-97.3	97.3	97.0	0.30	325.994		
166.3	166.3	167.3	167.3	0.3	0.3	-90.67	-1.1	-97.3	97.3	96.8	0.53	183.577 CC		
200.0	200.0	201.0	201.0	0.3	0.3	-90.67	-1.1	-97.3	97.3	96.6	0.65	150.261 ES		
300.0	300.0	300.0	300.0	0.5	0.5	-90.45	-0.8	-98.1	98.1	97.1	1.00	98.568		
400.0	400.0	397.9	397.8	0.7	0.7	-89.85	0.3	-100.4	100.5	99.1	1.34	74.831		
500.0	500.0	497.2	497.1	0.8	0.9	-88.98	1.9	-104.0	104.1	102.4	1.69	61.444		
600.0	600.0	597.1	596.9	1.0	1.0	153.54	3.5	-107.7	108.0	106.0	2.04	52.947		
700.0	700.0	697.0	696.7	1.2	1.2	154.69	5.2	-111.4	113.4	111.0	2.39	47.445		
800.0	799.9	796.7	796.3	1.4	1.4	156.06	6.8	-115.1	120.4	117.6	2.74	43.953		
900.0	899.8	896.2	895.8	1.6	1.6	157.57	8.4	-118.8	129.0	126.0	3.09	41.799		
1,000.0	999.5	995.6	995.1	1.8	1.8	159.14	10.1	-122.5	139.4	136.0	3.43	40.586		
1,100.0	1,099.2	1,094.8	1,094.2	2.0	2.0	160.70	11.7	-126.2	151.5	147.7	3.78	40.063 SF		
1,200.0	1,198.6	1,193.8	1,193.1	2.2	2.2	162.22	13.4	-129.9	165.3	161.2	4.13	40.063		
1,300.0	1,297.9	1,292.4	1,291.7	2.4	2.3	163.64	15.0	-133.5	180.9	176.5	4.47	40.470		
1,400.0	1,396.9	1,390.8	1,390.0	2.7	2.5	164.97	16.6	-137.2	198.3	193.5	4.81	41.201		
1,500.0	1,495.7	1,488.9	1,487.9	3.0	2.7	166.18	18.2	-140.8	217.4	212.2	5.15	42.193		
1,600.0	1,594.1	1,586.6	1,585.5	3.3	2.9	167.29	19.8	-144.5	238.3	232.8	5.49	43.401		
1,700.0	1,692.3	1,683.9	1,682.8	3.7	3.1	168.29	21.4	-148.1	260.9	255.0	5.82	44.788		
1,800.0	1,790.2	1,780.8	1,779.6	4.0	3.3	169.20	23.0	-151.7	285.0	278.8	6.16	46.243		
1,900.0	1,888.0	1,877.7	1,876.5	4.4	3.4	170.00	24.6	-155.3	309.4	302.9	6.51	47.549		
2,000.0	1,985.8	1,974.6	1,973.3	4.8	3.6	170.69	26.2	-158.9	333.8	326.9	6.85	48.734		
2,100.0	2,083.6	2,071.5	2,070.1	5.2	3.8	171.28	27.8	-162.5	358.3	351.1	7.19	49.815		
2,200.0	2,181.4	2,168.4	2,166.9	5.6	4.0	171.79	29.4	-166.1	382.8	375.2	7.53	50.803		
2,300.0	2,279.3	2,265.3	2,263.7	5.9	4.2	172.24	31.0	-169.7	407.3	399.4	7.88	51.710		
2,400.0	2,377.1	2,362.2	2,360.6	6.3	4.4	172.64	32.6	-173.3	431.8	423.6	8.22	52.546		
2,500.0	2,474.9	2,459.1	2,457.4	6.7	4.5	173.00	34.2	-176.9	456.4	447.8	8.56	53.318		
2,600.0	2,572.7	2,556.0	2,554.2	7.1	4.7	173.32	35.8	-180.5	480.9	472.0	8.90	54.033		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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		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	-94.43	-7.2	-92.3	92.6					
100.0	100.0	101.0	101.0	0.1	0.2	-94.43	-7.2	-92.3	92.6	92.3	0.30	310.255		
200.0	200.0	201.0	201.0	0.3	0.3	-94.43	-7.2	-92.3	92.6	91.9	0.65	143.002		
300.0	300.0	301.0	301.0	0.5	0.5	-94.43	-7.2	-92.3	92.6	91.6	1.00	92.914		
400.0	400.0	401.0	401.0	0.7	0.7	-94.43	-7.2	-92.3	92.6	91.3	1.35	68.811		
500.0	500.0	501.0	501.0	0.8	0.8	-94.43	-7.2	-92.3	92.6	90.9	1.69	54.637		
600.0	600.0	602.5	602.5	1.0	1.0	147.53	-6.7	-91.5	92.0	89.9	2.05	44.937		
700.0	700.0	703.3	703.3	1.2	1.2	148.80	-5.5	-89.3	91.2	88.8	2.40	38.033		
717.6	717.6	720.9	720.9	1.2	1.2	149.10	-5.2	-88.9	91.2	88.7	2.46	37.068 CC, ES		
800.0	799.9	803.3	803.2	1.4	1.4	150.72	-4.1	-86.9	91.7	89.0	2.75	33.373		
900.0	899.8	903.2	903.0	1.6	1.6	153.09	-2.7	-84.4	93.9	90.8	3.10	30.292		
1,000.0	999.5	1,003.0	1,002.8	1.8	1.7	155.77	-1.3	-82.0	97.8	94.3	3.45	28.338		
1,100.0	1,099.2	1,102.7	1,102.5	2.0	1.9	158.59	0.1	-79.5	103.5	99.7	3.80	27.226		
1,200.0	1,198.6	1,202.3	1,202.0	2.2	2.1	161.39	1.4	-77.1	111.1	107.0	4.15	26.761 SF		
1,300.0	1,297.9	1,301.7	1,301.4	2.4	2.3	164.05	2.8	-74.6	120.7	116.2	4.50	26.801		
1,400.0	1,396.9	1,400.9	1,400.5	2.7	2.5	166.49	4.2	-72.2	132.1	127.3	4.85	27.244		
1,500.0	1,495.7	1,499.8	1,499.5	3.0	2.6	168.68	5.6	-69.8	145.4	140.2	5.19	28.007		
1,600.0	1,594.1	1,598.5	1,598.1	3.3	2.8	170.60	6.9	-67.4	160.7	155.1	5.53	29.029		
1,700.0	1,692.3	1,696.9	1,696.5	3.7	3.0	172.25	8.3	-65.0	177.7	171.9	5.87	30.262		
1,800.0	1,790.2	1,795.1	1,794.6	4.0	3.2	173.68	9.6	-62.6	196.4	190.2	6.22	31.600		
1,900.0	1,888.0	1,893.2	1,892.6	4.4	3.3	174.87	11.0	-60.2	215.4	208.8	6.56	32.816		
2,000.0	1,985.8	1,991.3	1,990.7	4.8	3.5	175.87	12.4	-57.7	234.4	227.5	6.91	33.921		
2,100.0	2,083.6	2,089.3	2,088.8	5.2	3.7	176.72	13.7	-55.3	253.5	246.2	7.26	34.927		
2,200.0	2,181.4	2,187.4	2,186.8	5.6	3.9	177.46	15.1	-52.9	272.6	265.0	7.61	35.845		
2,300.0	2,279.3	2,285.5	2,284.9	5.9	4.1	178.09	16.4	-50.5	291.8	283.9	7.95	36.686		
2,400.0	2,377.1	2,383.6	2,382.9	6.3	4.2	178.65	17.8	-48.1	311.0	302.7	8.30	37.459		
2,500.0	2,474.9	2,481.7	2,481.0	6.7	4.4	179.14	19.1	-45.7	330.3	321.6	8.65	38.171		
2,600.0	2,572.7	2,579.8	2,579.0	7.1	4.6	179.58	20.5	-43.3	349.5	340.5	9.00	38.829		
2,700.0	2,670.6	2,677.9	2,677.1	7.5	4.8	179.97	21.9	-40.9	368.8	359.5	9.35	39.438		
2,800.0	2,768.4	2,776.0	2,775.2	7.9	4.9	-179.68	23.2	-38.5	388.1	378.4	9.70	40.004		
2,900.0	2,866.2	2,874.1	2,873.2	8.3	5.1	-179.36	24.6	-36.1	407.4	397.4	10.05	40.530		
3,000.0	2,964.0	2,972.2	2,971.3	8.7	5.3	-179.07	25.9	-33.7	426.7	416.3	10.40	41.021		
3,100.0	3,061.8	3,070.3	3,069.3	9.1	5.5	-178.80	27.3	-31.3	446.1	435.3	10.75	41.479		
3,200.0	3,159.7	3,168.4	3,167.4	9.5	5.7	-178.56	28.7	-28.9	465.4	454.3	11.10	41.909		
3,300.0	3,257.5	3,266.5	3,265.4	9.9	5.8	-178.33	30.0	-26.5	484.7	473.3	11.46	42.312		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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	-90.78	-1.2	-87.3	87.3					
100.0	100.0	101.0	101.0	0.1	0.2	-90.78	-1.2	-87.3	87.3	87.0	0.30	292.493		
200.0	200.0	201.0	201.0	0.3	0.3	-90.78	-1.2	-87.3	87.3	86.6	0.65	134.815		
300.0	300.0	301.0	301.0	0.5	0.5	-90.78	-1.2	-87.3	87.3	86.3	1.00	87.594		
400.0	400.0	401.0	401.0	0.7	0.7	-90.78	-1.2	-87.3	87.3	85.9	1.35	64.872		
500.0	500.0	501.0	501.0	0.8	0.8	-90.78	-1.2	-87.3	87.3	85.6	1.69	51.509		
600.0	600.0	602.5	602.5	1.0	1.0	151.07	-1.0	-86.4	86.6	84.6	2.05	42.320		
700.0	700.0	704.0	703.9	1.2	1.2	152.06	-0.3	-83.8	85.5	83.1	2.40	35.668		
800.0	799.9	805.4	805.2	1.4	1.4	153.93	0.7	-79.4	84.4	81.6	2.75	30.665		
900.0	899.8	906.7	906.4	1.6	1.6	156.73	2.2	-73.3	83.2	80.1	3.11	26.787		
978.6	978.2	985.6	985.0	1.7	1.7	159.51	3.6	-67.5	82.6	79.2	3.38	24.415 CC		
1,000.0	999.5	1,006.9	1,006.3	1.8	1.8	160.31	4.0	-66.0	82.7	79.2	3.46	23.895 ES		
1,100.0	1,099.2	1,106.7	1,105.8	2.0	2.0	164.24	5.7	-58.7	84.1	80.3	3.82	22.044		
1,200.0	1,198.6	1,206.5	1,205.3	2.2	2.2	168.26	7.5	-51.4	87.7	83.5	4.17	21.000		
1,300.0	1,297.9	1,306.1	1,304.7	2.4	2.4	172.09	9.3	-44.1	93.3	88.8	4.53	20.580 SF		
1,400.0	1,396.9	1,405.7	1,403.9	2.7	2.6	175.55	11.0	-36.9	101.1	96.2	4.90	20.644		
1,500.0	1,495.7	1,505.0	1,503.0	3.0	2.8	178.54	12.8	-29.6	110.9	105.6	5.26	21.082		
1,600.0	1,594.1	1,604.2	1,601.9	3.3	3.0	-178.98	14.5	-22.3	122.7	117.1	5.63	21.808		
1,700.0	1,692.3	1,703.2	1,700.6	3.7	3.2	-176.96	16.3	-15.1	136.4	130.4	5.99	22.760		
1,800.0	1,790.2	1,801.9	1,799.0	4.0	3.5	-175.37	18.0	-7.9	151.8	145.4	6.37	23.829		
1,900.0	1,888.0	1,900.6	1,897.4	4.4	3.7	-174.07	19.8	-0.7	167.4	160.7	6.75	24.792		
2,000.0	1,985.8	1,999.3	1,995.9	4.8	3.9	-173.00	21.5	6.5	183.1	176.0	7.14	25.651		
2,100.0	2,083.6	2,098.0	2,094.3	5.2	4.1	-172.10	23.3	13.7	198.9	191.4	7.53	26.421		
2,200.0	2,181.4	2,196.7	2,192.7	5.6	4.3	-171.33	25.0	20.9	214.7	206.8	7.92	27.113		
2,300.0	2,279.3	2,295.4	2,291.1	5.9	4.5	-170.66	26.8	28.2	230.5	222.2	8.31	27.737		
2,400.0	2,377.1	2,394.1	2,389.6	6.3	4.7	-170.09	28.5	35.4	246.4	237.7	8.71	28.303		
2,500.0	2,474.9	2,492.8	2,488.0	6.7	4.9	-169.58	30.2	42.6	262.3	253.2	9.10	28.817		
2,600.0	2,572.7	2,591.5	2,586.4	7.1	5.2	-169.13	32.0	49.8	278.2	268.7	9.50	29.285		
2,700.0	2,670.6	2,690.2	2,684.9	7.5	5.4	-168.72	33.7	57.0	294.1	284.2	9.90	29.714		
2,800.0	2,768.4	2,788.9	2,783.3	7.9	5.6	-168.36	35.5	64.2	310.0	299.7	10.30	30.107		
2,900.0	2,866.2	2,887.7	2,881.7	8.3	5.8	-168.04	37.2	71.4	325.9	315.2	10.70	30.469		
3,000.0	2,964.0	2,986.4	2,980.1	8.7	6.0	-167.74	39.0	78.6	341.9	330.8	11.10	30.804		
3,100.0	3,061.8	3,085.1	3,078.6	9.1	6.2	-167.47	40.7	85.9	357.8	346.3	11.50	31.113		
3,200.0	3,159.7	3,183.8	3,177.0	9.5	6.4	-167.23	42.5	93.1	373.8	361.9	11.90	31.401		
3,300.0	3,257.5	3,282.5	3,275.4	9.9	6.7	-167.00	44.2	100.3	389.8	377.5	12.31	31.668		
3,400.0	3,355.3	3,381.2	3,373.8	10.3	6.9	-166.79	46.0	107.5	405.7	393.0	12.71	31.917		
3,500.0	3,453.1	3,479.9	3,472.3	10.7	7.1	-166.60	47.7	114.7	421.7	408.6	13.12	32.150		
3,600.0	3,551.0	3,578.6	3,570.7	11.1	7.3	-166.42	49.4	121.9	437.7	424.2	13.52	32.367		
3,700.0	3,648.8	3,677.3	3,669.1	11.5	7.5	-166.26	51.2	129.1	453.7	439.8	13.93	32.572		
3,800.0	3,746.6	3,776.0	3,767.5	11.9	7.7	-166.10	52.9	136.3	469.7	455.3	14.34	32.764		
3,900.0	3,844.4	3,874.7	3,866.0	12.3	7.9	-165.96	54.7	143.6	485.7	470.9	14.74	32.945		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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		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	-95.74	-7.3	-72.3	72.7					
100.0	100.0	101.0	101.0	0.1	0.2	-95.74	-7.3	-72.3	72.7	72.4	0.30	243.535		
200.0	200.0	201.0	201.0	0.3	0.3	-95.74	-7.3	-72.3	72.7	72.0	0.65	112.249		
300.0	300.0	301.0	301.0	0.5	0.5	-95.74	-7.3	-72.3	72.7	71.7	1.00	72.932		
400.0	400.0	401.0	401.0	0.7	0.7	-95.74	-7.3	-72.3	72.7	71.3	1.35	54.014		
500.0	500.0	501.0	501.0	0.8	0.8	-95.74	-7.3	-72.3	72.7	71.0	1.69	42.888 CC		
527.8	527.8	528.8	528.8	0.9	0.9	145.92	-7.3	-72.3	72.7	70.9	1.79	40.579		
600.0	600.0	601.0	601.0	1.0	1.0	146.00	-7.3	-72.3	72.9	70.8	2.04	35.652 ES		
700.0	700.0	701.0	701.0	1.2	1.2	146.74	-7.3	-72.3	74.3	71.9	2.39	31.058		
800.0	799.9	800.9	800.9	1.4	1.4	148.15	-7.3	-72.3	77.3	74.5	2.74	28.172		
900.0	899.8	900.8	900.8	1.6	1.5	150.06	-7.3	-72.3	81.8	78.7	3.09	26.434		
1,000.0	999.5	1,002.1	1,002.1	1.8	1.7	152.45	-7.1	-71.4	87.0	83.5	3.45	25.242		
1,100.0	1,099.2	1,103.4	1,103.3	2.0	1.9	155.28	-6.6	-68.8	92.2	88.4	3.80	24.270		
1,200.0	1,198.6	1,204.7	1,204.6	2.2	2.1	158.48	-5.9	-64.3	97.6	93.4	4.15	23.498		
1,300.0	1,297.9	1,306.1	1,305.7	2.4	2.3	161.99	-4.8	-58.1	103.2	98.7	4.50	22.914		
1,400.0	1,396.9	1,407.4	1,406.7	2.7	2.5	165.73	-3.4	-50.2	109.2	104.3	4.85	22.505		
1,500.0	1,495.7	1,508.7	1,507.5	3.0	2.7	169.63	-1.8	-40.5	115.8	110.6	5.20	22.254		
1,600.0	1,594.1	1,609.2	1,607.4	3.3	2.9	173.58	0.2	-29.2	123.1	117.6	5.56	22.163 SF		
1,700.0	1,692.3	1,708.5	1,706.0	3.7	3.1	177.16	2.2	-17.8	132.5	126.5	5.91	22.394		
1,800.0	1,790.2	1,807.6	1,804.4	4.0	3.4	-179.74	4.1	-6.3	143.7	137.4	6.29	22.853		
1,900.0	1,888.0	1,906.6	1,902.8	4.4	3.6	-177.10	6.1	5.1	155.6	148.9	6.68	23.282		
2,000.0	1,985.8	2,005.7	2,001.1	4.8	3.9	-174.83	8.1	16.6	167.7	160.6	7.08	23.665		
2,100.0	2,083.6	2,104.7	2,099.5	5.2	4.1	-172.87	10.1	28.0	180.0	172.5	7.50	24.001		
2,200.0	2,181.4	2,203.8	2,197.9	5.6	4.4	-171.16	12.1	39.4	192.5	184.6	7.92	24.294		
2,300.0	2,279.3	2,302.9	2,296.3	5.9	4.6	-169.66	14.0	50.9	205.2	196.8	8.36	24.548		
2,400.0	2,377.1	2,401.9	2,394.7	6.3	4.9	-168.33	16.0	62.3	217.9	209.1	8.80	24.768		
2,500.0	2,474.9	2,501.0	2,493.0	6.7	5.1	-167.16	18.0	73.8	230.8	221.6	9.25	24.958		
2,600.0	2,572.7	2,600.0	2,591.4	7.1	5.4	-166.10	20.0	85.2	243.8	234.1	9.70	25.122		
2,700.0	2,670.6	2,699.1	2,689.8	7.5	5.6	-165.16	22.0	96.7	256.8	246.7	10.17	25.265		
2,800.0	2,768.4	2,798.2	2,788.2	7.9	5.9	-164.30	23.9	108.1	269.9	259.3	10.63	25.389		
2,900.0	2,866.2	2,897.2	2,886.5	8.3	6.1	-163.53	25.9	119.5	283.1	272.0	11.10	25.497		
3,000.0	2,964.0	2,996.3	2,984.9	8.7	6.4	-162.82	27.9	131.0	296.3	284.7	11.58	25.592		
3,100.0	3,061.8	3,095.3	3,083.3	9.1	6.7	-162.17	29.9	142.4	309.6	297.5	12.06	25.675		
3,200.0	3,159.7	3,194.4	3,181.7	9.5	6.9	-161.58	31.8	153.9	322.8	310.3	12.54	25.748		
3,300.0	3,257.5	3,293.5	3,280.1	9.9	7.2	-161.03	33.8	165.3	336.2	323.1	13.02	25.813		
3,400.0	3,355.3	3,392.5	3,378.4	10.3	7.4	-160.53	35.8	176.8	349.5	336.0	13.51	25.870		
3,500.0	3,453.1	3,491.6	3,476.8	10.7	7.7	-160.06	37.8	188.2	362.9	348.9	14.00	25.921		
3,600.0	3,551.0	3,590.6	3,575.2	11.1	8.0	-159.62	39.8	199.6	376.2	361.8	14.49	25.966		
3,700.0	3,648.8	3,689.7	3,673.6	11.5	8.2	-159.22	41.7	211.1	389.7	374.7	14.98	26.006		
3,800.0	3,746.6	3,788.8	3,771.9	11.9	8.5	-158.84	43.7	222.5	403.1	387.6	15.48	26.042		
3,900.0	3,844.4	3,887.8	3,870.3	12.3	8.8	-158.49	45.7	234.0	416.5	400.6	15.97	26.075		
4,000.0	3,942.3	3,986.9	3,968.7	12.7	9.0	-158.16	47.7	245.4	430.0	413.5	16.47	26.104		
4,100.0	4,040.1	4,086.0	4,067.1	13.1	9.3	-157.85	49.6	256.9	443.5	426.5	16.97	26.130		
4,200.0	4,137.9	4,185.0	4,165.5	13.5	9.5	-157.55	51.6	268.3	456.9	439.5	17.47	26.154		
4,300.0	4,235.7	4,284.1	4,263.8	13.9	9.8	-157.28	53.6	279.7	470.4	452.5	17.97	26.176		
4,400.0	4,333.5	4,383.1	4,362.2	14.3	10.1	-157.02	55.6	291.2	483.9	465.5	18.47	26.195		
4,500.0	4,431.4	4,482.2	4,460.6	14.7	10.3	-156.77	57.6	302.6	497.4	478.5	18.98	26.213		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-91.10	-1.3	-67.3	67.3					
100.0	100.0	101.0	101.0	0.1	0.2	-91.10	-1.3	-67.3	67.3	67.0	0.30	225.496		
200.0	200.0	201.0	201.0	0.3	0.3	-91.10	-1.3	-67.3	67.3	66.7	0.65	103.935		
300.0	300.0	301.0	301.0	0.5	0.5	-91.10	-1.3	-67.3	67.3	66.3	1.00	67.530		
400.0	400.0	401.0	401.0	0.7	0.7	-91.10	-1.3	-67.3	67.3	66.0	1.35	50.013		
500.0	500.0	501.0	501.0	0.8	0.8	-91.10	-1.3	-67.3	67.3	65.6	1.69	39.710		
600.0	600.0	602.8	602.8	1.0	1.0	151.64	-0.1	-65.9	66.1	64.0	2.05	32.273		
700.0	700.0	704.4	704.3	1.2	1.2	155.57	3.4	-61.7	63.7	61.3	2.41	26.458		
800.0	799.9	805.6	805.0	1.4	1.4	162.84	9.2	-54.8	60.9	58.1	2.78	21.899		
900.0	899.8	906.1	904.7	1.6	1.7	173.79	17.2	-45.3	59.2	56.0	3.19	18.533		
919.9	919.6	926.0	924.4	1.6	1.7	176.28	18.9	-43.1	59.1	55.8	3.28	18.030	CC, ES	
1,000.0	999.5	1,006.3	1,003.9	1.8	1.9	-173.99	25.4	-33.9	60.0	56.4	3.63	16.515		
1,100.0	1,099.2	1,106.6	1,103.2	2.0	2.2	-163.05	32.5	-21.3	63.4	59.3	4.10	15.464		
1,200.0	1,198.6	1,207.1	1,202.5	2.2	2.5	-153.88	38.2	-7.4	68.6	64.0	4.58	14.967		
1,300.0	1,297.9	1,307.7	1,301.9	2.4	2.8	-146.50	42.8	7.7	75.0	69.9	5.09	14.735		
1,400.0	1,396.9	1,408.4	1,401.2	2.7	3.1	-140.67	46.1	24.1	82.2	76.6	5.63	14.594		
1,500.0	1,495.7	1,508.2	1,499.5	3.0	3.4	-136.24	48.4	41.2	90.2	84.0	6.20	14.543		
1,600.0	1,594.1	1,607.6	1,597.5	3.3	3.8	-133.26	50.7	58.3	99.8	93.0	6.79	14.682		
1,700.0	1,692.3	1,707.0	1,695.3	3.7	4.1	-131.46	52.9	75.3	110.7	103.3	7.41	14.937		
1,800.0	1,790.2	1,806.3	1,793.1	4.0	4.4	-130.56	55.2	92.4	122.6	114.6	8.04	15.251		
1,900.0	1,888.0	1,905.5	1,890.8	4.4	4.8	-129.91	57.5	109.5	134.7	126.1	8.68	15.514		
2,000.0	1,985.8	2,004.8	1,988.6	4.8	5.1	-129.37	59.8	126.5	146.9	137.5	9.34	15.728		
2,100.0	2,083.6	2,104.0	2,086.3	5.2	5.4	-128.92	62.0	143.6	159.0	149.0	10.00	15.904		
2,200.0	2,181.4	2,203.3	2,184.1	5.6	5.8	-128.53	64.3	160.6	171.1	160.5	10.66	16.051		
2,300.0	2,279.3	2,302.5	2,281.8	5.9	6.1	-128.19	66.6	177.7	183.3	172.0	11.33	16.175		
2,400.0	2,377.1	2,401.8	2,379.6	6.3	6.5	-127.89	68.9	194.7	195.4	183.4	12.00	16.281		
2,500.0	2,474.9	2,501.0	2,477.3	6.7	6.8	-127.63	71.1	211.8	207.6	194.9	12.68	16.372		
2,600.0	2,572.7	2,600.3	2,575.1	7.1	7.1	-127.39	73.4	228.8	219.8	206.4	13.36	16.450		
2,700.0	2,670.6	2,699.5	2,672.8	7.5	7.5	-127.19	75.7	245.9	231.9	217.9	14.04	16.519		
2,800.0	2,768.4	2,798.8	2,770.6	7.9	7.8	-127.00	78.0	262.9	244.1	229.4	14.72	16.579		
2,900.0	2,866.2	2,898.0	2,868.3	8.3	8.2	-126.83	80.2	280.0	256.3	240.9	15.41	16.632		
3,000.0	2,964.0	2,997.3	2,966.1	8.7	8.5	-126.67	82.5	297.0	268.5	252.4	16.09	16.679		
3,100.0	3,061.8	3,096.6	3,063.8	9.1	8.9	-126.53	84.8	314.1	280.6	263.8	16.78	16.722		
3,200.0	3,159.7	3,195.8	3,161.6	9.5	9.2	-126.40	87.1	331.1	292.8	275.3	17.47	16.760		
3,300.0	3,257.5	3,295.1	3,259.3	9.9	9.6	-126.28	89.3	348.2	305.0	286.8	18.16	16.794		
3,400.0	3,355.3	3,394.3	3,357.1	10.3	9.9	-126.17	91.6	365.3	317.2	298.3	18.85	16.825		
3,500.0	3,453.1	3,493.6	3,454.8	10.7	10.3	-126.07	93.9	382.3	329.3	309.8	19.54	16.853		
3,600.0	3,551.0	3,592.8	3,552.6	11.1	10.6	-125.97	96.2	399.4	341.5	321.3	20.23	16.879		
3,700.0	3,648.8	3,692.1	3,650.3	11.5	11.0	-125.89	98.4	416.4	353.7	332.8	20.93	16.902		
3,800.0	3,746.6	3,791.3	3,748.1	11.9	11.3	-125.80	100.7	433.5	365.9	344.3	21.62	16.924		
3,900.0	3,844.4	3,890.6	3,845.8	12.3	11.7	-125.73	103.0	450.5	378.1	355.8	22.31	16.943		
4,000.0	3,942.3	3,989.8	3,943.6	12.7	12.0	-125.65	105.3	467.6	390.3	367.3	23.01	16.962		
4,100.0	4,040.1	4,089.1	4,041.3	13.1	12.4	-125.59	107.5	484.6	402.4	378.7	23.70	16.979		
4,200.0	4,137.9	4,188.3	4,139.1	13.5	12.7	-125.52	109.8	501.7	414.6	390.2	24.40	16.995		
4,300.0	4,235.7	4,287.6	4,236.8	13.9	13.0	-125.46	112.1	518.7	426.8	401.7	25.09	17.009		
4,400.0	4,333.5	4,386.9	4,334.6	14.3	13.4	-125.41	114.4	535.8	439.0	413.2	25.79	17.023		
4,500.0	4,431.4	4,486.1	4,432.4	14.7	13.7	-125.35	116.6	552.8	451.2	424.7	26.49	17.036		
4,600.0	4,529.2	4,585.4	4,530.1	15.2	14.1	-125.30	118.9	569.9	463.4	436.2	27.18	17.048		
4,700.0	4,627.0	4,684.6	4,627.9	15.6	14.4	-125.25	121.2	587.0	475.6	447.7	27.88	17.059		
4,800.0	4,724.8	4,783.9	4,725.6	16.0	14.8	-125.21	123.5	604.0	487.8	459.2	28.58	17.069		
4,900.0	4,822.7	4,883.1	4,823.4	16.4	15.1	-125.16	125.7	621.1	499.9	470.7	29.27	17.079		
7,400.0	7,236.5	8,181.3	7,712.0	25.1	26.7	-178.05	-431.6	1,125.0	474.7	434.9	39.78	11.933		

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 4N-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 4N-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 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			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,500.0	7,304.5	8,034.9	7,702.0	25.0	25.9	-172.37	-285.7	1,123.3	404.1	369.7	34.39	11.752		
7,600.0	7,359.1	7,876.2	7,651.9	25.0	25.2	-163.12	-136.0	1,114.5	326.9	298.0	28.88	11.318		
7,700.0	7,398.8	7,769.5	7,596.2	24.9	24.9	-153.87	-45.6	1,104.8	248.7	224.1	24.59	10.117		
7,800.0	7,422.3	7,684.9	7,540.9	24.9	24.6	-141.98	17.6	1,095.2	175.4	152.1	23.32	7.523		
7,900.0	7,429.0	7,611.5	7,486.0	25.0	24.5	-122.94	65.2	1,085.6	116.3	90.6	25.69	4.527		
7,981.5	7,429.0	7,562.6	7,446.3	25.1	24.3	-99.89	92.9	1,078.7	94.9	67.4	27.41	3.460 SF		
8,000.0	7,429.0	7,553.1	7,438.3	25.2	24.3	-94.99	97.8	1,077.3	96.2	68.7	27.44	3.505		
8,100.0	7,429.0	7,509.4	7,400.6	25.5	24.2	-73.83	118.9	1,070.7	140.4	114.0	26.41	5.316		
8,200.0	7,429.0	7,475.9	7,370.7	25.9	24.1	-60.92	133.0	1,065.5	216.1	191.0	25.12	8.602		
8,300.0	7,429.0	7,450.0	7,347.0	26.4	24.1	-53.17	142.7	1,061.3	302.2	277.8	24.40	12.387		
8,400.0	7,429.0	7,428.4	7,327.0	27.0	24.0	-47.96	150.0	1,057.8	392.8	368.7	24.08	16.311		
8,500.0	7,429.0	7,400.0	7,300.3	27.8	23.9	-42.51	158.3	1,053.2	486.1	462.4	23.61	20.584		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-96.70	-7.3	-62.3	62.7					
100.0	100.0	101.0	101.0	0.1	0.2	-96.70	-7.3	-62.3	62.7	62.4	0.30	210.244		
200.0	200.0	201.0	201.0	0.3	0.3	-96.70	-7.3	-62.3	62.7	62.1	0.65	96.905		
300.0	300.0	301.0	301.0	0.5	0.5	-96.70	-7.3	-62.3	62.7	61.8	1.00	62.963		
400.0	400.0	401.0	401.0	0.7	0.7	-96.70	-7.3	-62.3	62.7	61.4	1.35	46.630		
500.0	500.0	501.0	501.0	0.8	0.8	-96.70	-7.3	-62.3	62.7	61.1	1.69	37.026		
527.8	527.8	528.8	528.8	0.9	0.9	144.96	-7.3	-62.3	62.8	61.0	1.79	35.034		
600.0	600.0	601.0	601.0	1.0	1.0	145.06	-7.3	-62.3	62.9	60.9	2.04	30.790		
700.0	700.0	701.0	701.0	1.2	1.2	145.94	-7.3	-62.3	64.4	62.0	2.39	26.899		
800.0	799.9	802.1	802.1	1.4	1.4	147.57	-7.3	-61.8	66.8	64.1	2.74	24.348		
900.0	899.8	904.5	904.4	1.6	1.6	149.67	-7.5	-58.2	67.7	64.6	3.10	21.843		
1,000.0	999.5	1,006.8	1,006.5	1.8	1.8	152.33	-7.7	-50.8	66.6	63.2	3.46	19.285		
1,100.0	1,099.2	1,109.1	1,108.1	2.0	2.0	155.84	-8.1	-39.9	63.7	59.9	3.81	16.724		
1,200.0	1,198.6	1,210.4	1,208.4	2.2	2.2	160.47	-8.7	-25.8	59.5	55.3	4.16	14.291		
1,300.0	1,297.9	1,311.1	1,307.9	2.4	2.5	166.13	-9.8	-9.9	55.5	51.0	4.52	12.290		
1,400.0	1,396.9	1,411.8	1,407.1	2.7	2.8	172.93	-11.4	7.6	52.1	47.2	4.88	10.673		
1,500.0	1,495.7	1,512.4	1,505.8	3.0	3.1	-179.08	-13.5	26.7	49.5	44.2	5.28	9.368		
1,600.0	1,594.1	1,612.9	1,604.1	3.3	3.5	-170.05	-16.2	47.5	48.0	42.3	5.78	8.312		
1,657.3	1,650.5	1,670.6	1,660.3	3.5	3.7	-164.55	-18.0	60.1	47.8	41.7	6.13	7.801 CC		
1,700.0	1,692.3	1,713.4	1,702.0	3.7	3.9	-160.37	-19.4	69.9	47.9	41.5	6.42	7.466 ES		
1,800.0	1,790.2	1,813.3	1,799.1	4.0	4.3	-150.72	-23.1	93.5	49.3	42.1	7.23	6.826		
1,900.0	1,888.0	1,913.0	1,895.8	4.4	4.7	-141.87	-26.8	117.3	52.1	44.0	8.16	6.390		
2,000.0	1,985.8	2,012.7	1,992.5	4.8	5.2	-134.07	-30.4	141.0	56.0	46.9	9.14	6.127		
2,100.0	2,083.6	2,112.3	2,089.2	5.2	5.6	-127.38	-34.1	164.7	60.8	50.6	10.13	5.999		
2,200.0	2,181.4	2,212.0	2,185.9	5.6	6.1	-121.73	-37.8	188.4	66.2	55.1	11.11	5.965 SF		
2,300.0	2,279.3	2,311.6	2,282.6	5.9	6.5	-116.97	-41.5	212.2	72.3	60.2	12.06	5.995		
2,400.0	2,377.1	2,411.3	2,379.4	6.3	7.0	-112.97	-45.2	235.9	78.7	65.7	12.98	6.064		
2,500.0	2,474.9	2,510.9	2,476.1	6.7	7.4	-109.59	-48.8	259.6	85.5	71.6	13.88	6.158		
2,600.0	2,572.7	2,610.6	2,572.8	7.1	7.9	-106.71	-52.5	283.4	92.5	77.7	14.76	6.267		
2,700.0	2,670.6	2,710.2	2,669.5	7.5	8.3	-104.24	-56.2	307.1	99.7	84.1	15.63	6.382		
2,800.0	2,768.4	2,809.9	2,766.2	7.9	8.8	-102.10	-59.9	330.8	107.1	90.6	16.48	6.500		
2,900.0	2,866.2	2,909.5	2,862.9	8.3	9.2	-100.25	-63.6	354.6	114.6	97.3	17.32	6.617		
3,000.0	2,964.0	3,009.2	2,959.7	8.7	9.7	-98.62	-67.3	378.3	122.2	104.1	18.16	6.733		
3,100.0	3,061.8	3,108.8	3,056.4	9.1	10.1	-97.18	-70.9	402.0	129.9	111.0	18.98	6.845		
3,200.0	3,159.7	3,208.5	3,153.1	9.5	10.6	-95.91	-74.6	425.7	137.7	117.9	19.81	6.953		
3,300.0	3,257.5	3,308.1	3,249.8	9.9	11.0	-94.77	-78.3	449.5	145.5	124.9	20.62	7.057		
3,400.0	3,355.3	3,407.8	3,346.5	10.3	11.5	-93.75	-82.0	473.2	153.4	132.0	21.44	7.157		
3,500.0	3,453.1	3,507.5	3,443.2	10.7	12.0	-92.83	-85.7	496.9	161.4	139.1	22.25	7.252		
3,600.0	3,551.0	3,607.1	3,540.0	11.1	12.4	-92.00	-89.4	520.7	169.3	146.3	23.06	7.343		
3,700.0	3,648.8	3,706.8	3,636.7	11.5	12.9	-91.24	-93.0	544.4	177.3	153.5	23.87	7.430		
3,800.0	3,746.6	3,806.4	3,733.4	11.9	13.3	-90.54	-96.7	568.1	185.4	160.7	24.67	7.513		
3,900.0	3,844.4	3,906.1	3,830.1	12.3	13.8	-89.91	-100.4	591.8	193.4	167.9	25.48	7.592		
4,000.0	3,942.3	4,005.7	3,926.8	12.7	14.3	-89.32	-104.1	615.6	201.5	175.2	26.28	7.667		
4,100.0	4,040.1	4,105.4	4,023.5	13.1	14.7	-88.78	-107.8	639.3	209.6	182.5	27.08	7.739		
4,200.0	4,137.9	4,205.0	4,120.3	13.5	15.2	-88.28	-111.5	663.0	217.7	189.8	27.88	7.808		
4,300.0	4,235.7	4,304.7	4,217.0	13.9	15.6	-87.82	-115.1	686.8	225.8	197.1	28.68	7.873		
4,400.0	4,333.5	4,404.3	4,313.7	14.3	16.1	-87.39	-118.8	710.5	234.0	204.5	29.48	7.936		
4,500.0	4,431.4	4,504.0	4,410.4	14.7	16.6	-86.98	-122.5	734.2	242.1	211.8	30.28	7.995		
4,600.0	4,529.2	4,603.6	4,507.1	15.2	17.0	-86.61	-126.2	757.9	250.3	219.2	31.08	8.053		
4,700.0	4,627.0	4,703.3	4,603.8	15.6	17.5	-86.26	-129.9	781.7	258.4	226.6	31.88	8.107		
4,800.0	4,724.8	4,802.9	4,700.6	16.0	18.0	-85.92	-133.6	805.4	266.6	233.9	32.68	8.160		
4,900.0	4,822.7	4,902.6	4,797.3	16.4	18.4	-85.61	-137.2	829.1	274.8	241.3	33.47	8.210		

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 4N-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 4N-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)						
5,000.0	4,920.5	5,002.3	4,894.0	16.8	18.9	-85.32	-140.9	852.9	283.0	248.7	34.27	8.258		
5,100.0	5,018.3	5,101.9	4,990.7	17.2	19.3	-85.04	-144.6	876.6	291.2	256.2	35.07	8.304		
5,200.0	5,116.1	5,201.6	5,087.4	17.6	19.8	-84.78	-148.3	900.3	299.4	263.6	35.86	8.349		
5,300.0	5,213.9	5,301.2	5,184.1	18.0	20.3	-84.53	-152.0	924.1	307.6	271.0	36.66	8.392		
5,400.0	5,311.8	5,400.9	5,280.9	18.4	20.7	-84.30	-155.7	947.8	315.9	278.4	37.46	8.433		
5,500.0	5,409.6	5,500.5	5,377.6	18.8	21.2	-84.08	-159.3	971.5	324.1	285.8	38.25	8.472		
5,600.0	5,507.4	5,600.2	5,474.3	19.2	21.7	-83.86	-163.0	995.2	332.3	293.3	39.05	8.510		
5,700.0	5,605.2	5,699.8	5,571.0	19.6	22.1	-83.66	-166.7	1,019.0	340.6	300.7	39.85	8.547		
5,800.0	5,703.1	5,799.5	5,667.7	20.0	22.6	-83.47	-170.4	1,042.7	348.8	308.2	40.64	8.582		
5,900.0	5,800.9	5,899.1	5,764.4	20.4	23.0	-83.29	-174.1	1,066.4	357.1	315.6	41.44	8.616		
6,000.0	5,898.7	5,998.8	5,861.2	20.8	23.5	-83.11	-177.7	1,090.2	365.3	323.1	42.23	8.649		
6,100.0	5,996.5	6,098.4	5,957.9	21.2	24.0	-82.95	-181.4	1,113.9	373.6	330.5	43.03	8.681		
6,200.0	6,094.3	6,198.1	6,054.6	21.6	24.4	-82.79	-185.1	1,137.6	381.8	338.0	43.83	8.712		
6,300.0	6,192.2	6,297.7	6,151.3	22.1	24.9	-82.63	-188.8	1,161.3	390.1	345.4	44.62	8.741		
6,400.0	6,290.0	6,397.4	6,248.0	22.5	25.4	-82.49	-192.5	1,185.1	398.3	352.9	45.42	8.770		
6,500.0	6,387.8	6,497.1	6,344.7	22.9	25.8	-82.34	-196.2	1,208.8	406.6	360.4	46.21	8.798		
6,600.0	6,485.6	6,596.7	6,441.5	23.3	26.3	-82.21	-199.8	1,232.5	414.9	367.8	47.01	8.825		
6,700.0	6,583.5	6,696.4	6,538.2	23.7	26.7	-82.08	-203.5	1,256.3	423.1	375.3	47.80	8.851		
6,800.0	6,681.3	6,796.0	6,634.9	24.1	27.2	-81.95	-207.2	1,280.0	431.4	382.8	48.60	8.876		
6,900.0	6,779.1	6,895.7	6,731.6	24.5	27.7	-81.83	-210.9	1,303.7	439.7	390.3	49.40	8.901		
7,000.0	6,877.2	6,995.4	6,828.4	24.8	28.1	-47.54	-214.6	1,327.5	444.7	394.7	50.01	8.891		
7,100.0	6,974.8	7,141.8	6,970.0	25.1	28.8	-3.84	-225.5	1,362.2	434.8	385.9	48.89	8.893		
7,200.0	7,069.1	7,321.9	7,134.7	25.2	29.8	28.45	-284.2	1,402.6	394.3	351.0	43.32	9.102		
7,300.0	7,157.2	7,411.3	7,207.7	25.2	30.3	54.14	-332.3	1,420.5	342.0	306.7	35.33	9.682		
7,400.0	7,236.5	7,446.3	7,234.2	25.1	30.5	69.13	-354.2	1,427.0	301.0	270.2	30.78	9.780		
7,491.9	7,299.4	7,452.3	7,238.6	25.1	30.5	73.95	-358.1	1,428.1	287.0	257.5	29.52	9.722		
7,500.0	7,304.5	7,452.0	7,238.4	25.0	30.5	74.04	-357.9	1,428.1	287.1	257.7	29.49	9.738		
7,600.0	7,359.1	7,441.1	7,230.4	25.0	30.5	71.40	-350.8	1,426.1	306.0	276.6	29.41	10.406		
7,700.0	7,398.8	7,420.3	7,214.7	24.9	30.4	63.45	-337.7	1,422.2	350.6	321.8	28.85	12.155		
7,800.0	7,422.3	7,400.0	7,198.9	24.9	30.2	53.65	-325.6	1,418.4	409.8	383.0	26.83	15.272		
7,900.0	7,429.0	7,361.5	7,168.0	25.0	30.0	42.33	-304.1	1,410.8	474.5	450.5	23.99	19.780		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	-91.34	-1.3	-57.3	57.3					
100.0	100.0	101.0	101.0	0.1	0.2	-91.34	-1.3	-57.3	57.3	57.0	0.30	192.002		
200.0	200.0	201.0	201.0	0.3	0.3	-91.34	-1.3	-57.3	57.3	56.7	0.65	88.497		
300.0	300.0	301.0	301.0	0.5	0.5	-91.34	-1.3	-57.3	57.3	56.3	1.00	57.500		
400.0	400.0	401.0	401.0	0.7	0.7	-91.34	-1.3	-57.3	57.3	56.0	1.35	42.584		
500.0	500.0	501.0	501.0	0.8	0.8	-91.34	-1.3	-57.3	57.3	55.6	1.69	33.813 CC		
527.8	527.8	528.8	528.8	0.9	0.9	150.31	-1.3	-57.3	57.3	55.5	1.79	31.997		
600.0	600.0	601.0	601.0	1.0	1.0	150.40	-1.3	-57.3	57.5	55.4	2.04	28.131 ES		
700.0	700.0	701.0	701.0	1.2	1.2	151.23	-1.3	-57.3	59.0	56.6	2.39	24.665		
800.0	799.9	802.0	802.0	1.4	1.4	152.85	-1.3	-56.4	61.2	58.5	2.74	22.306		
900.0	899.8	903.1	903.0	1.6	1.6	155.20	-1.2	-53.7	63.3	60.2	3.10	20.437		
1,000.0	999.5	1,004.1	1,004.0	1.8	1.7	158.22	-0.9	-49.2	65.3	61.8	3.45	18.941		
1,100.0	1,099.2	1,105.1	1,104.8	2.0	1.9	161.87	-0.6	-43.0	67.4	63.6	3.80	17.751		
1,200.0	1,198.6	1,206.1	1,205.5	2.2	2.1	166.05	-0.2	-35.0	69.8	65.7	4.15	16.825		
1,300.0	1,297.9	1,307.1	1,306.0	2.4	2.3	170.69	0.3	-25.2	72.6	68.1	4.50	16.131		
1,400.0	1,396.9	1,408.1	1,406.3	2.7	2.6	175.66	0.8	-13.6	76.0	71.2	4.86	15.636		
1,500.0	1,495.7	1,508.9	1,506.2	3.0	2.8	-179.18	1.5	-0.3	80.2	74.9	5.24	15.302		
1,600.0	1,594.1	1,609.7	1,605.9	3.3	3.1	-173.96	2.2	14.7	85.2	79.6	5.65	15.090		
1,700.0	1,692.3	1,710.4	1,705.2	3.7	3.4	-168.83	3.1	31.5	91.3	85.2	6.11	14.956		
1,800.0	1,790.2	1,811.0	1,804.1	4.0	3.8	-163.86	4.0	50.0	98.3	91.6	6.63	14.820		
1,900.0	1,888.0	1,911.6	1,902.6	4.4	4.1	-158.87	5.0	70.2	104.9	97.7	7.24	14.493		
2,000.0	1,985.8	2,012.0	2,000.6	4.8	4.5	-153.77	6.1	92.1	111.3	103.4	7.94	14.015		
2,100.0	2,083.6	2,112.3	2,098.0	5.2	4.9	-148.51	7.3	115.7	117.7	108.9	8.75	13.450		
2,200.0	2,181.4	2,212.3	2,194.8	5.6	5.4	-143.09	8.5	140.9	124.2	114.5	9.65	12.866		
2,300.0	2,279.3	2,312.1	2,290.9	5.9	5.8	-137.54	9.9	167.7	131.2	120.6	10.65	12.323		
2,400.0	2,377.1	2,411.2	2,385.9	6.3	6.3	-132.04	11.2	195.8	139.0	127.3	11.70	11.888		
2,500.0	2,474.9	2,510.0	2,480.7	6.7	6.8	-127.12	12.6	223.9	148.0	135.2	12.74	11.616		
2,600.0	2,572.7	2,608.8	2,575.4	7.1	7.3	-122.78	14.0	252.0	157.9	144.1	13.76	11.473		
2,700.0	2,670.6	2,707.7	2,670.1	7.5	7.9	-118.96	15.4	280.1	168.6	153.9	14.76	11.422 SF		
2,800.0	2,768.4	2,806.5	2,764.9	7.9	8.4	-115.60	16.8	308.2	180.0	164.3	15.74	11.438		
2,900.0	2,866.2	2,905.3	2,859.6	8.3	8.9	-112.65	18.2	336.3	191.9	175.2	16.69	11.501		
3,000.0	2,964.0	3,004.1	2,954.3	8.7	9.4	-110.05	19.6	364.4	204.3	186.7	17.62	11.597		
3,100.0	3,061.8	3,103.0	3,049.1	9.1	9.9	-107.75	21.0	392.5	217.0	198.5	18.52	11.715		
3,200.0	3,159.7	3,201.8	3,143.8	9.5	10.4	-105.70	22.4	420.6	230.1	210.6	19.42	11.848		
3,300.0	3,257.5	3,300.6	3,238.6	9.9	11.0	-103.88	23.8	448.7	243.4	223.1	20.30	11.991		
3,400.0	3,355.3	3,399.4	3,333.3	10.3	11.5	-102.24	25.2	476.8	256.9	235.7	21.16	12.138		
3,500.0	3,453.1	3,498.3	3,428.0	10.7	12.0	-100.77	26.6	504.9	270.6	248.6	22.02	12.288		
3,600.0	3,551.0	3,597.1	3,522.8	11.1	12.5	-99.44	28.0	533.0	284.5	261.6	22.87	12.439		
3,700.0	3,648.8	3,695.9	3,617.5	11.5	13.1	-98.23	29.4	561.2	298.5	274.8	23.71	12.588		
3,800.0	3,746.6	3,794.8	3,712.2	11.9	13.6	-97.13	30.8	589.3	312.6	288.0	24.55	12.735		
3,900.0	3,844.4	3,893.6	3,807.0	12.3	14.1	-96.13	32.2	617.4	326.8	301.4	25.38	12.879		
4,000.0	3,942.3	3,992.4	3,901.7	12.7	14.7	-95.21	33.6	645.5	341.1	314.9	26.20	13.019		
4,100.0	4,040.1	4,091.2	3,996.4	13.1	15.2	-94.37	35.0	673.6	355.5	328.5	27.02	13.156		
4,200.0	4,137.9	4,190.1	4,091.2	13.5	15.7	-93.59	36.4	701.7	370.0	342.2	27.84	13.289		
4,300.0	4,235.7	4,288.9	4,185.9	13.9	16.3	-92.87	37.8	729.8	384.5	355.9	28.66	13.417		
4,400.0	4,333.5	4,387.7	4,280.6	14.3	16.8	-92.20	39.2	757.9	399.1	369.6	29.47	13.542		
4,500.0	4,431.4	4,486.6	4,375.4	14.7	17.3	-91.58	40.6	786.0	413.7	383.5	30.28	13.662		
4,600.0	4,529.2	4,585.4	4,470.1	15.2	17.9	-91.00	42.0	814.1	428.4	397.3	31.09	13.779		
4,700.0	4,627.0	4,684.2	4,564.9	15.6	18.4	-90.46	43.4	842.2	443.1	411.2	31.90	13.891		
4,800.0	4,724.8	4,783.0	4,659.6	16.0	18.9	-89.95	44.8	870.3	457.9	425.2	32.71	14.000		
4,900.0	4,822.7	4,881.9	4,754.3	16.4	19.5	-89.48	46.2	898.4	472.7	439.2	33.51	14.105		
5,000.0	4,920.5	4,980.7	4,849.1	16.8	20.0	-89.03	47.6	926.5	487.5	453.2	34.31	14.207		

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 4N-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 4N-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 4H-32H-O268 - Hz - Plan #1													<b>Offset Site Error:</b> 0.0 ft
Survey Program: 0-Geolink MWD													<b>Offset Well Error:</b> 0.0 ft
Reference		Offset		Semi Major Axis		Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)			
7,955.8	7,429.0	7,525.2	7,287.1	25.1	33.8	73.36	67.2	1,650.0	498.8	471.6	27.18	18.350	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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				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	-99.95	-7.4	-42.3	43.0					
100.0	100.0	100.0	100.0	0.1	0.1	-99.95	-7.4	-42.3	43.0	42.7	0.30	144.811		
200.0	200.0	200.0	200.0	0.3	0.3	-99.95	-7.4	-42.3	43.0	42.3	0.65	66.535 CC, ES		
300.0	300.0	299.4	299.4	0.5	0.5	-100.60	-8.0	-42.9	43.7	42.7	0.99	43.913		
400.0	400.0	398.7	398.7	0.7	0.7	-102.42	-9.9	-44.8	45.8	44.5	1.35	34.021		
500.0	500.0	497.9	497.8	0.8	0.9	-105.10	-12.9	-47.8	49.6	47.8	1.71	29.006		
600.0	600.0	596.9	596.6	1.0	1.1	133.56	-17.1	-52.0	55.0	53.0	2.05	26.909		
700.0	700.0	695.6	695.0	1.2	1.3	131.47	-22.6	-57.5	63.2	60.8	2.40	26.362 SF		
800.0	799.9	794.6	793.5	1.4	1.5	130.41	-29.0	-64.0	73.9	71.2	2.75	26.844		
900.0	899.8	893.8	892.4	1.6	1.7	130.43	-35.7	-70.6	86.0	82.9	3.12	27.581		
1,000.0	999.5	993.0	991.0	1.8	1.9	131.19	-42.3	-77.2	99.1	95.6	3.49	28.429		
1,100.0	1,099.2	1,091.9	1,089.5	2.0	2.2	132.40	-48.9	-83.8	113.5	109.6	3.87	29.352		
1,200.0	1,198.6	1,190.6	1,187.8	2.2	2.4	133.87	-55.5	-90.4	129.1	124.8	4.25	30.335		
1,300.0	1,297.9	1,289.1	1,285.8	2.4	2.6	135.49	-62.1	-97.0	145.9	141.3	4.65	31.369		
1,400.0	1,396.9	1,387.3	1,383.6	2.7	2.9	137.16	-68.6	-103.6	164.2	159.1	5.06	32.454		
1,500.0	1,495.7	1,485.2	1,481.1	3.0	3.1	138.83	-75.2	-110.1	183.8	178.3	5.47	33.589		
1,600.0	1,594.1	1,582.8	1,578.2	3.3	3.3	140.46	-81.7	-116.7	204.9	199.0	5.89	34.772		
1,700.0	1,692.3	1,680.0	1,675.0	3.7	3.6	142.04	-88.2	-123.2	227.5	221.2	6.32	36.003		
1,800.0	1,790.2	1,776.8	1,771.4	4.0	3.8	143.58	-94.6	-129.6	251.5	244.7	6.75	37.244		
1,900.0	1,888.0	1,873.7	1,867.8	4.4	4.0	144.94	-101.1	-136.1	275.8	268.6	7.19	38.362		
2,000.0	1,985.8	1,970.5	1,964.2	4.8	4.3	146.08	-107.6	-142.6	300.1	292.5	7.62	39.373		
2,100.0	2,083.6	2,067.3	2,060.6	5.2	4.5	147.05	-114.1	-149.1	324.6	316.6	8.06	40.291		
2,200.0	2,181.4	2,164.1	2,157.0	5.6	4.7	147.88	-120.5	-155.5	349.2	340.7	8.49	41.128		
2,300.0	2,279.3	2,261.0	2,253.3	5.9	5.0	148.61	-127.0	-162.0	373.8	364.9	8.92	41.894		
2,400.0	2,377.1	2,357.8	2,349.7	6.3	5.2	149.24	-133.5	-168.5	398.5	389.1	9.35	42.597		
2,500.0	2,474.9	2,454.6	2,446.1	6.7	5.4	149.80	-139.9	-175.0	423.2	413.4	9.79	43.245		
2,600.0	2,572.7	2,551.4	2,542.5	7.1	5.7	150.30	-146.4	-181.4	447.9	437.7	10.22	43.843		
2,700.0	2,670.6	2,648.2	2,638.9	7.5	5.9	150.75	-152.9	-187.9	472.7	462.0	10.65	44.397		
2,800.0	2,768.4	2,745.1	2,735.3	7.9	6.1	151.15	-159.3	-194.4	497.5	486.4	11.08	44.911		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 4J-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	-92.23	-1.5	-37.3	37.3					
100.0	100.0	100.0	100.0	0.1	0.1	-92.23	-1.5	-37.3	37.3	37.0	0.30	125.768		
200.0	200.0	200.0	200.0	0.3	0.3	-92.23	-1.5	-37.3	37.3	36.7	0.65	57.785		
300.0	300.0	300.0	300.0	0.5	0.5	-92.23	-1.5	-37.3	37.3	36.3	0.99	37.510 CC		
400.0	400.0	399.9	399.9	0.7	0.7	-93.53	-2.3	-37.4	37.5	36.2	1.34	27.907 ES		
500.0	500.0	499.7	499.6	0.8	0.9	-97.34	-4.9	-37.9	38.2	36.5	1.69	22.532		
600.0	600.0	599.3	599.2	1.0	1.0	138.50	-9.2	-38.6	39.8	37.8	2.05	19.395		
700.0	700.0	698.8	698.5	1.2	1.2	132.65	-15.1	-39.6	43.7	41.3	2.42	18.087		
800.0	799.9	798.1	797.5	1.4	1.4	127.69	-22.8	-40.9	50.1	47.3	2.79	17.932 SF		
900.0	899.8	897.6	896.6	1.6	1.7	124.24	-31.7	-42.5	58.4	55.2	3.17	18.415		
1,000.0	999.5	997.1	995.7	1.8	1.9	122.83	-40.7	-44.0	67.9	64.3	3.56	19.054		
1,100.0	1,099.2	1,096.6	1,094.7	2.0	2.1	122.83	-49.7	-45.5	78.3	74.3	3.97	19.743		
1,200.0	1,198.6	1,195.9	1,193.6	2.2	2.3	123.75	-58.7	-47.1	89.7	85.3	4.39	20.453		
1,300.0	1,297.9	1,295.1	1,292.4	2.4	2.6	125.24	-67.7	-48.6	102.1	97.3	4.82	21.186		
1,400.0	1,396.9	1,394.1	1,391.0	2.7	2.8	127.08	-76.7	-50.1	115.6	110.3	5.27	21.950		
1,500.0	1,495.7	1,492.9	1,489.4	3.0	3.0	129.10	-85.6	-51.7	130.3	124.5	5.72	22.756		
1,600.0	1,594.1	1,591.5	1,587.5	3.3	3.2	131.21	-94.6	-53.2	146.2	140.0	6.19	23.614		
1,700.0	1,692.3	1,689.8	1,685.4	3.7	3.5	133.32	-103.5	-54.7	163.5	156.9	6.67	24.530		
1,800.0	1,790.2	1,787.9	1,783.1	4.0	3.7	135.41	-112.3	-56.2	182.1	175.0	7.15	25.488		
1,900.0	1,888.0	1,885.9	1,880.7	4.4	3.9	137.20	-121.2	-57.8	201.0	193.4	7.62	26.370		
2,000.0	1,985.8	1,983.9	1,978.3	4.8	4.2	138.68	-130.1	-59.3	220.1	212.0	8.10	27.173		
2,100.0	2,083.6	2,081.9	2,075.9	5.2	4.4	139.93	-139.0	-60.8	239.3	230.7	8.58	27.905		
2,200.0	2,181.4	2,180.0	2,173.5	5.6	4.6	140.99	-147.8	-62.3	258.6	249.5	9.05	28.575		
2,300.0	2,279.3	2,278.0	2,271.1	5.9	4.9	141.90	-156.7	-63.8	277.9	268.4	9.52	29.189		
2,400.0	2,377.1	2,376.0	2,368.7	6.3	5.1	142.70	-165.6	-65.3	297.3	287.4	9.99	29.754		
2,500.0	2,474.9	2,474.0	2,466.3	6.7	5.3	143.39	-174.5	-66.9	316.8	306.3	10.46	30.274		
2,600.0	2,572.7	2,572.0	2,563.9	7.1	5.5	144.01	-183.3	-68.4	336.3	325.4	10.94	30.755		
2,700.0	2,670.6	2,670.0	2,661.5	7.5	5.8	144.56	-192.2	-69.9	355.9	344.4	11.41	31.200		
2,800.0	2,768.4	2,768.1	2,759.1	7.9	6.0	145.05	-201.1	-71.4	375.4	363.5	11.88	31.614		
2,900.0	2,866.2	2,866.1	2,856.7	8.3	6.2	145.50	-210.0	-72.9	395.0	382.7	12.34	31.998		
3,000.0	2,964.0	2,964.1	2,954.3	8.7	6.5	145.90	-218.9	-74.5	414.6	401.8	12.81	32.357		
3,100.0	3,061.8	3,062.1	3,051.9	9.1	6.7	146.26	-227.7	-76.0	434.2	421.0	13.28	32.693		
3,200.0	3,159.7	3,160.1	3,149.5	9.5	6.9	146.60	-236.6	-77.5	453.9	440.1	13.75	33.008		
3,300.0	3,257.5	3,258.2	3,247.1	9.9	7.2	146.90	-245.5	-79.0	473.5	459.3	14.22	33.303		
3,400.0	3,355.3	3,356.2	3,344.7	10.3	7.4	147.18	-254.4	-80.5	493.2	478.5	14.69	33.580		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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		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	-103.03	-7.5	-32.3	33.2					
100.0	100.0	100.0	100.0	0.1	0.1	-103.03	-7.5	-32.3	33.2	32.9	0.30	111.807		
200.0	200.0	200.0	200.0	0.3	0.3	-103.03	-7.5	-32.3	33.2	32.5	0.65	51.371		
300.0	300.0	300.0	300.0	0.5	0.5	-103.03	-7.5	-32.3	33.2	32.2	0.99	33.346		
400.0	400.0	400.0	400.0	0.7	0.7	-103.03	-7.5	-32.3	33.2	31.8	1.34	24.685		
500.0	500.0	500.1	500.1	0.8	0.8	-104.50	-8.3	-31.9	33.0	31.3	1.69	19.470		
595.6	595.6	595.9	595.8	1.0	1.0	133.40	-10.4	-30.8	32.8	30.7	2.03	16.137		
600.0	600.0	600.2	600.2	1.0	1.0	132.91	-10.6	-30.7	32.6	30.6	2.05	15.944	CC, ES	
700.0	700.0	700.2	700.1	1.2	1.2	127.67	-14.5	-28.7	33.3	30.9	2.41	13.837		
800.0	799.9	800.2	799.8	1.4	1.4	122.22	-19.9	-25.9	35.2	32.4	2.78	12.676		
900.0	899.8	900.0	899.4	1.6	1.6	117.08	-26.8	-22.3	38.4	35.3	3.17	12.128		
1,000.0	999.5	999.8	998.7	1.8	1.8	112.73	-35.2	-17.9	42.9	39.3	3.58	11.985	SF	
1,100.0	1,099.2	1,099.6	1,098.0	2.0	2.1	110.65	-44.0	-13.3	48.3	44.2	4.01	12.045		
1,200.0	1,198.6	1,199.4	1,197.4	2.2	2.3	110.73	-52.8	-8.7	54.3	49.8	4.45	12.185		
1,300.0	1,297.9	1,299.2	1,296.6	2.4	2.5	112.30	-61.6	-4.2	60.9	56.0	4.92	12.383		
1,400.0	1,396.9	1,398.9	1,395.8	2.7	2.8	114.90	-70.4	0.4	68.3	62.9	5.40	12.649		
1,500.0	1,495.7	1,498.5	1,494.9	3.0	3.0	118.12	-79.2	4.9	76.6	70.8	5.89	13.005		
1,600.0	1,594.1	1,597.9	1,593.8	3.3	3.2	121.68	-87.9	9.5	86.1	79.7	6.39	13.470		
1,700.0	1,692.3	1,697.1	1,692.6	3.7	3.5	125.36	-96.7	14.0	96.8	89.9	6.89	14.057		
1,800.0	1,790.2	1,796.2	1,791.2	4.0	3.7	128.95	-105.4	18.6	108.8	101.4	7.37	14.759		
1,900.0	1,888.0	1,895.2	1,889.7	4.4	3.9	131.92	-114.2	23.1	121.2	113.4	7.85	15.449		
2,000.0	1,985.8	1,994.3	1,988.3	4.8	4.2	134.34	-122.9	27.7	133.9	125.6	8.32	16.103		
2,100.0	2,083.6	2,093.3	2,086.8	5.2	4.4	136.34	-131.6	32.2	146.8	138.1	8.78	16.716		
2,200.0	2,181.4	2,192.4	2,185.4	5.6	4.7	138.01	-140.3	36.7	159.9	150.7	9.25	17.288		
2,300.0	2,279.3	2,291.4	2,283.9	5.9	4.9	139.43	-149.1	41.3	173.1	163.4	9.71	17.822		
2,400.0	2,377.1	2,390.5	2,382.5	6.3	5.1	140.65	-157.8	45.8	186.3	176.2	10.17	18.319		
2,500.0	2,474.9	2,489.5	2,481.0	6.7	5.4	141.71	-166.5	50.3	199.7	189.0	10.63	18.781		
2,600.0	2,572.7	2,588.5	2,579.6	7.1	5.6	142.63	-175.3	54.9	213.1	202.0	11.09	19.212		
2,700.0	2,670.6	2,687.6	2,678.2	7.5	5.9	143.45	-184.0	59.4	226.5	215.0	11.55	19.614		
2,800.0	2,768.4	2,786.6	2,776.7	7.9	6.1	144.17	-192.7	63.9	240.0	228.0	12.01	19.990		
2,900.0	2,866.2	2,885.7	2,875.3	8.3	6.4	144.82	-201.4	68.5	253.5	241.0	12.46	20.342		
3,000.0	2,964.0	2,984.7	2,973.8	8.7	6.6	145.40	-210.2	73.0	267.1	254.1	12.92	20.672		
3,100.0	3,061.8	3,083.8	3,072.4	9.1	6.8	145.92	-218.9	77.6	280.6	267.2	13.37	20.981		
3,200.0	3,159.7	3,182.8	3,170.9	9.5	7.1	146.40	-227.6	82.1	294.2	280.4	13.83	21.273		
3,300.0	3,257.5	3,281.8	3,269.5	9.9	7.3	146.83	-236.4	86.6	307.8	293.5	14.29	21.547		
3,400.0	3,355.3	3,380.9	3,368.0	10.3	7.6	147.23	-245.1	91.2	321.4	306.7	14.74	21.805		
3,500.0	3,453.1	3,479.9	3,466.6	10.7	7.8	147.60	-253.8	95.7	335.1	319.9	15.20	22.049		
3,600.0	3,551.0	3,579.0	3,565.1	11.1	8.0	147.93	-262.5	100.2	348.7	333.1	15.65	22.280		
3,700.0	3,648.8	3,678.0	3,663.7	11.5	8.3	148.24	-271.3	104.8	362.4	346.3	16.11	22.499		
3,800.0	3,746.6	3,777.1	3,762.2	11.9	8.5	148.53	-280.0	109.3	376.1	359.5	16.56	22.706		
3,900.0	3,844.4	3,876.1	3,860.8	12.3	8.8	148.80	-288.7	113.8	389.7	372.7	17.02	22.903		
4,000.0	3,942.3	3,975.2	3,959.4	12.7	9.0	149.05	-297.5	118.4	403.4	385.9	17.47	23.090		
4,100.0	4,040.1	4,074.2	4,057.9	13.1	9.3	149.28	-306.2	122.9	417.1	399.2	17.93	23.269		
4,200.0	4,137.9	4,173.2	4,156.5	13.5	9.5	149.50	-314.9	127.5	430.8	412.4	18.38	23.438		
4,300.0	4,235.7	4,272.3	4,255.0	13.9	9.7	149.71	-323.6	132.0	444.5	425.7	18.84	23.600		
4,400.0	4,333.5	4,371.3	4,353.6	14.3	10.0	149.90	-332.4	136.5	458.2	438.9	19.29	23.755		
4,500.0	4,431.4	4,470.4	4,452.1	14.7	10.2	150.08	-341.1	141.1	471.9	452.2	19.74	23.903		
4,600.0	4,529.2	4,569.4	4,550.7	15.2	10.5	150.26	-349.8	145.6	485.7	465.5	20.20	24.044		
4,700.0	4,627.0	4,668.5	4,649.2	15.6	10.7	150.42	-358.6	150.1	499.4	478.7	20.65	24.180		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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: 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	-93.16	-1.5	-27.3	27.3					
100.0	100.0	100.0	100.0	0.1	0.1	-93.16	-1.5	-27.3	27.3	27.0	0.30	92.109		
200.0	200.0	200.0	200.0	0.3	0.3	-93.16	-1.5	-27.3	27.3	26.7	0.65	42.321		
300.0	300.0	300.0	300.0	0.5	0.5	-93.16	-1.5	-27.3	27.3	26.3	0.99	27.471		
400.0	400.0	400.0	400.0	0.7	0.7	-93.16	-1.5	-27.3	27.3	26.0	1.34	20.336		
500.0	500.0	500.0	500.0	0.8	0.8	-93.16	-1.5	-27.3	27.3	25.6	1.69	16.143		
600.0	600.0	600.5	600.5	1.0	1.0	145.51	-2.9	-26.3	26.6	24.6	2.04	13.025		
700.0	700.0	700.8	700.6	1.2	1.2	137.43	-7.3	-23.3	25.8	23.4	2.41	10.719		
745.8	745.8	746.7	746.4	1.3	1.3	132.03	-10.2	-21.2	25.6	23.1	2.58	9.934 CC, ES		
800.0	799.9	800.8	800.3	1.4	1.4	124.44	-14.4	-18.2	25.9	23.1	2.79	9.275		
900.0	899.8	900.8	899.6	1.6	1.7	109.22	-24.0	-11.3	28.0	24.8	3.21	8.726		
1,000.0	999.5	1,000.7	998.7	1.8	1.9	98.64	-33.3	-3.4	31.3	27.7	3.64	8.599 SF		
1,100.0	1,099.2	1,100.6	1,097.8	2.0	2.1	93.08	-42.7	4.6	35.5	31.4	4.09	8.683		
1,200.0	1,198.6	1,200.5	1,196.9	2.2	2.4	91.22	-52.1	12.6	39.9	35.4	4.56	8.761		
1,300.0	1,297.9	1,300.4	1,296.1	2.4	2.7	91.98	-61.5	20.5	44.4	39.3	5.06	8.780		
1,400.0	1,396.9	1,400.2	1,395.2	2.7	2.9	94.62	-70.8	28.5	49.0	43.4	5.59	8.764		
1,500.0	1,495.7	1,500.0	1,494.2	3.0	3.2	98.64	-80.2	36.4	53.9	47.8	6.16	8.762		
1,600.0	1,594.1	1,599.8	1,593.2	3.3	3.5	103.60	-89.5	44.4	59.5	52.8	6.74	8.829		
1,700.0	1,692.3	1,699.4	1,692.0	3.7	3.7	109.11	-98.9	52.3	66.0	58.7	7.32	9.013		
1,800.0	1,790.2	1,798.8	1,790.8	4.0	4.0	114.69	-108.2	60.2	73.6	65.7	7.88	9.341		
1,900.0	1,888.0	1,898.3	1,889.5	4.4	4.3	119.35	-117.6	68.1	81.8	73.4	8.41	9.736		
2,000.0	1,985.8	1,997.8	1,988.2	4.8	4.5	123.13	-126.9	76.1	90.6	81.6	8.92	10.153		
2,100.0	2,083.6	2,097.2	2,086.9	5.2	4.8	126.24	-136.2	84.0	99.6	90.2	9.42	10.574		
2,200.0	2,181.4	2,196.7	2,185.6	5.6	5.1	128.83	-145.6	91.9	108.9	99.0	9.91	10.986		
2,300.0	2,279.3	2,296.1	2,284.3	5.9	5.4	131.01	-154.9	99.8	118.3	107.9	10.39	11.385		
2,400.0	2,377.1	2,395.6	2,383.0	6.3	5.6	132.86	-164.2	107.7	127.9	117.1	10.87	11.766		
2,500.0	2,474.9	2,495.0	2,481.7	6.7	5.9	134.46	-173.5	115.7	137.6	126.3	11.35	12.128		
2,600.0	2,572.7	2,594.5	2,580.4	7.1	6.2	135.84	-182.9	123.6	147.5	135.6	11.82	12.471		
2,700.0	2,670.6	2,694.0	2,679.1	7.5	6.5	137.05	-192.2	131.5	157.3	145.1	12.30	12.796		
2,800.0	2,768.4	2,793.4	2,777.8	7.9	6.7	138.12	-201.5	139.4	167.3	154.5	12.77	13.102		
2,900.0	2,866.2	2,892.9	2,876.5	8.3	7.0	139.07	-210.9	147.3	177.3	164.1	13.24	13.392		
3,000.0	2,964.0	2,992.3	2,975.2	8.7	7.3	139.91	-220.2	155.3	187.3	173.6	13.71	13.665		
3,100.0	3,061.8	3,091.8	3,073.9	9.1	7.5	140.67	-229.5	163.2	197.4	183.2	14.18	13.924		
3,200.0	3,159.7	3,191.3	3,172.6	9.5	7.8	141.36	-238.9	171.1	207.5	192.9	14.65	14.168		
3,300.0	3,257.5	3,290.7	3,271.3	9.9	8.1	141.98	-248.2	179.0	217.7	202.5	15.12	14.399		
3,400.0	3,355.3	3,390.2	3,370.0	10.3	8.4	142.55	-257.5	187.0	227.8	212.2	15.58	14.618		
3,500.0	3,453.1	3,489.6	3,468.7	10.7	8.6	143.07	-266.9	194.9	238.0	221.9	16.05	14.826		
3,600.0	3,551.0	3,589.1	3,567.4	11.1	8.9	143.54	-276.2	202.8	248.2	231.7	16.52	15.023		
3,700.0	3,648.8	3,688.5	3,666.1	11.5	9.2	143.98	-285.5	210.7	258.4	241.4	16.99	15.210		
3,800.0	3,746.6	3,788.0	3,764.8	11.9	9.5	144.38	-294.9	218.6	268.6	251.2	17.46	15.388		
3,900.0	3,844.4	3,887.5	3,863.5	12.3	9.7	144.76	-304.2	226.6	278.9	261.0	17.93	15.558		
4,000.0	3,942.3	3,986.9	3,962.2	12.7	10.0	145.11	-313.5	234.5	289.1	270.7	18.39	15.719		
4,100.0	4,040.1	4,086.4	4,060.9	13.1	10.3	145.43	-322.9	242.4	299.4	280.5	18.86	15.873		
4,200.0	4,137.9	4,185.8	4,159.6	13.5	10.6	145.74	-332.2	250.3	309.7	290.3	19.33	16.020		
4,300.0	4,235.7	4,285.3	4,258.3	13.9	10.8	146.02	-341.5	258.2	319.9	300.1	19.80	16.161		
4,400.0	4,333.5	4,384.8	4,357.0	14.3	11.1	146.29	-350.9	266.2	330.2	310.0	20.26	16.295		
4,500.0	4,431.4	4,484.2	4,455.7	14.7	11.4	146.54	-360.2	274.1	340.5	319.8	20.73	16.424		
4,600.0	4,529.2	4,583.7	4,554.4	15.2	11.7	146.77	-369.5	282.0	350.8	329.6	21.20	16.547		
4,700.0	4,627.0	4,683.1	4,653.1	15.6	11.9	146.99	-378.9	289.9	361.1	339.4	21.67	16.665		
4,800.0	4,724.8	4,782.6	4,751.8	16.0	12.2	147.20	-388.2	297.9	371.4	349.3	22.14	16.778		
4,900.0	4,822.7	4,882.0	4,850.5	16.4	12.5	147.40	-397.5	305.8	381.7	359.1	22.60	16.887		
5,000.0	4,920.5	4,981.5	4,949.2	16.8	12.8	147.59	-406.9	313.7	392.0	369.0	23.07	16.992		

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 4N-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 4N-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							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	5,018.3	5,081.0	5,047.9	17.2	13.0	147.77	-416.2	321.6	402.4	378.8	23.54	17.093						
5,200.0	5,116.1	5,180.4	5,146.6	17.6	13.3	147.94	-425.5	329.5	412.7	388.7	24.01	17.190						
5,300.0	5,213.9	5,279.9	5,245.3	18.0	13.6	148.10	-434.9	337.5	423.0	398.5	24.48	17.283						
5,400.0	5,311.8	5,379.3	5,344.0	18.4	13.9	148.25	-444.2	345.4	433.3	408.4	24.94	17.373						
5,500.0	5,409.6	5,478.8	5,442.7	18.8	14.1	148.40	-453.5	353.3	443.7	418.3	25.41	17.460						
5,600.0	5,507.4	5,578.3	5,541.4	19.2	14.4	148.54	-462.8	361.2	454.0	428.1	25.88	17.543						
5,700.0	5,605.2	5,677.7	5,640.1	19.6	14.7	148.67	-472.2	369.1	464.4	438.0	26.35	17.624						
5,800.0	5,703.1	5,777.2	5,738.8	20.0	15.0	148.80	-481.5	377.1	474.7	447.9	26.82	17.702						
5,900.0	5,800.9	5,876.6	5,837.6	20.4	15.2	148.92	-490.8	385.0	485.0	457.8	27.28	17.778						
6,000.0	5,898.7	5,976.1	5,936.3	20.8	15.5	149.04	-500.2	392.9	495.4	467.6	27.75	17.851						

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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			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	-123.12	-3.7	-5.6	6.7					
100.0	100.0	100.0	100.0	0.1	0.1	-123.12	-3.7	-5.6	6.7	6.4	0.30	22.519		
200.0	200.0	200.0	200.0	0.3	0.3	-123.12	-3.7	-5.6	6.7	6.0	0.65	10.347		
300.0	300.0	300.0	300.0	0.5	0.5	-123.12	-3.7	-5.6	6.7	5.7	0.99	6.716		
400.0	400.0	400.0	400.0	0.7	0.7	-123.12	-3.7	-5.6	6.7	5.3	1.34	4.972		
500.0	500.0	500.0	500.0	0.8	0.8	-123.12	-3.7	-5.6	6.7	5.0	1.69	3.947	CC	
529.4	529.4	529.4	529.4	0.9	0.9	118.80	-3.7	-5.6	6.7	4.9	1.80	3.731		
600.0	600.0	600.0	600.0	1.0	1.0	120.13	-3.7	-5.6	6.8	4.7	2.04	3.324	ES	
700.0	700.0	700.1	700.1	1.2	1.2	125.84	-4.1	-4.9	7.3	4.9	2.39	3.057		
800.0	799.9	800.1	800.1	1.4	1.4	130.23	-5.5	-2.6	8.0	5.2	2.75	2.909		
900.0	899.8	900.2	900.1	1.6	1.6	133.42	-7.8	1.1	8.8	5.7	3.10	2.829		
1,000.0	999.5	1,000.3	1,000.0	1.8	1.7	135.60	-11.1	6.3	9.7	6.2	3.47	2.789		
1,100.0	1,099.2	1,100.4	1,099.8	2.0	1.9	136.97	-15.2	12.9	10.7	6.8	3.85	2.772		
1,200.0	1,198.6	1,200.6	1,199.5	2.2	2.2	137.70	-20.3	21.1	11.7	7.5	4.24	2.767	SF	
1,300.0	1,297.9	1,300.7	1,299.0	2.4	2.4	137.94	-26.4	30.7	12.9	8.2	4.65	2.769		
1,400.0	1,396.9	1,400.9	1,398.3	2.7	2.7	137.80	-33.3	41.8	14.1	9.0	5.09	2.772		
1,500.0	1,495.7	1,500.9	1,497.3	3.0	2.9	138.53	-40.9	53.9	15.7	10.2	5.53	2.839		
1,600.0	1,594.1	1,600.8	1,596.2	3.3	3.2	142.47	-48.6	66.2	18.6	12.7	5.93	3.138		
1,700.0	1,692.3	1,700.7	1,695.0	3.7	3.5	147.79	-56.3	78.4	23.0	16.8	6.28	3.670		
1,800.0	1,790.2	1,800.5	1,793.7	4.0	3.8	152.82	-63.9	90.6	28.9	22.3	6.60	4.385		
1,900.0	1,888.0	1,900.3	1,892.5	4.4	4.1	156.27	-71.5	102.8	35.2	28.2	6.93	5.071		
2,000.0	1,985.8	2,000.1	1,991.2	4.8	4.3	158.67	-79.2	115.0	41.5	34.2	7.28	5.700		
2,100.0	2,083.6	2,099.9	2,090.0	5.2	4.6	160.44	-86.8	127.2	47.8	40.2	7.62	6.274		
2,200.0	2,181.4	2,199.7	2,188.7	5.6	4.9	161.79	-94.5	139.4	54.2	46.3	7.98	6.798		
2,300.0	2,279.3	2,299.5	2,287.5	5.9	5.2	162.86	-102.1	151.7	60.7	52.3	8.33	7.279		
2,400.0	2,377.1	2,399.3	2,386.2	6.3	5.5	163.72	-109.8	163.9	67.1	58.4	8.69	7.721		
2,500.0	2,474.9	2,499.0	2,484.9	6.7	5.8	164.43	-117.4	176.1	73.5	64.5	9.05	8.128		
2,600.0	2,572.7	2,598.8	2,583.7	7.1	6.1	165.03	-125.1	188.3	80.0	70.6	9.41	8.503		
2,700.0	2,670.6	2,698.6	2,682.4	7.5	6.4	165.53	-132.7	200.5	86.5	76.7	9.77	8.852		
2,800.0	2,768.4	2,798.4	2,781.2	7.9	6.7	165.97	-140.4	212.7	93.0	82.8	10.13	9.175		
2,900.0	2,866.2	2,898.2	2,879.9	8.3	7.0	166.35	-148.0	224.9	99.4	88.9	10.49	9.476		
3,000.0	2,964.0	2,998.0	2,978.7	8.7	7.3	166.68	-155.7	237.1	105.9	95.1	10.85	9.757		
3,100.0	3,061.8	3,097.8	3,077.4	9.1	7.6	166.98	-163.3	249.3	112.4	101.2	11.22	10.020		
3,200.0	3,159.7	3,197.6	3,176.1	9.5	7.9	167.24	-171.0	261.5	118.9	107.3	11.58	10.266		
3,300.0	3,257.5	3,297.3	3,274.9	9.9	8.2	167.48	-178.6	273.8	125.4	113.4	11.94	10.498		
3,400.0	3,355.3	3,397.1	3,373.6	10.3	8.5	167.69	-186.3	286.0	131.9	119.6	12.31	10.715		
3,500.0	3,453.1	3,496.9	3,472.4	10.7	8.8	167.88	-193.9	298.2	138.4	125.7	12.67	10.920		
3,600.0	3,551.0	3,596.7	3,571.1	11.1	9.1	168.05	-201.5	310.4	144.9	131.8	13.03	11.114		
3,700.0	3,648.8	3,696.5	3,669.9	11.5	9.4	168.21	-209.2	322.6	151.4	138.0	13.40	11.297		
3,800.0	3,746.6	3,796.3	3,768.6	11.9	9.8	168.36	-216.8	334.8	157.9	144.1	13.76	11.471		
3,900.0	3,844.4	3,896.1	3,867.3	12.3	10.1	168.50	-224.5	347.0	164.4	150.2	14.13	11.635		
4,000.0	3,942.3	3,995.9	3,966.1	12.7	10.4	168.62	-232.1	359.2	170.9	156.4	14.49	11.791		
4,100.0	4,040.1	4,095.6	4,064.8	13.1	10.7	168.74	-239.8	371.4	177.4	162.5	14.85	11.940		
4,200.0	4,137.9	4,195.4	4,163.6	13.5	11.0	168.84	-247.4	383.6	183.9	168.6	15.22	12.081		
4,300.0	4,235.7	4,295.2	4,262.3	13.9	11.3	168.95	-255.1	395.9	190.4	174.8	15.58	12.216		
4,400.0	4,333.5	4,395.0	4,361.0	14.3	11.6	169.04	-262.7	408.1	196.9	180.9	15.95	12.345		
4,500.0	4,431.4	4,494.8	4,459.8	14.7	11.9	169.13	-270.4	420.3	203.4	187.1	16.31	12.468		
4,600.0	4,529.2	4,594.6	4,558.5	15.2	12.2	169.21	-278.0	432.5	209.9	193.2	16.68	12.585		
4,700.0	4,627.0	4,694.4	4,657.3	15.6	12.5	169.29	-285.7	444.7	216.4	199.3	17.04	12.698		
4,800.0	4,724.8	4,794.2	4,756.0	16.0	12.8	169.36	-293.3	456.9	222.9	205.5	17.41	12.805		
4,900.0	4,822.7	4,894.0	4,854.8	16.4	13.1	169.43	-301.0	469.1	229.4	211.6	17.77	12.909		
5,000.0	4,920.5	4,993.7	4,953.5	16.8	13.4	169.49	-308.6	481.3	235.9	217.8	18.13	13.008		

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 4N-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 4N-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: 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			
5,100.0	5,018.3	5,093.5	5,052.2	17.2	13.7	169.55	-316.3	493.5	242.4	223.9	18.50	13.103		
5,200.0	5,116.1	5,193.3	5,151.0	17.6	14.0	169.61	-323.9	505.7	248.9	230.0	18.86	13.195		
5,300.0	5,213.9	5,293.1	5,249.7	18.0	14.3	169.67	-331.6	518.0	255.4	236.2	19.23	13.283		
5,400.0	5,311.8	5,392.9	5,348.5	18.4	14.6	169.72	-339.2	530.2	261.9	242.3	19.59	13.368		
5,500.0	5,409.6	5,492.7	5,447.2	18.8	14.9	169.77	-346.8	542.4	268.4	248.5	19.96	13.449		
5,600.0	5,507.4	5,592.5	5,546.0	19.2	15.3	169.82	-354.5	554.6	274.9	254.6	20.32	13.528		
5,700.0	5,605.2	5,692.3	5,644.7	19.6	15.6	169.86	-362.1	566.8	281.4	260.7	20.69	13.604		
5,800.0	5,703.1	5,792.0	5,743.4	20.0	15.9	169.91	-369.8	579.0	287.9	266.9	21.05	13.678		
5,900.0	5,800.9	5,891.8	5,842.2	20.4	16.2	169.95	-377.4	591.2	294.5	273.0	21.42	13.748		
6,000.0	5,898.7	5,991.6	5,940.9	20.8	16.5	169.99	-385.1	603.4	301.0	279.2	21.78	13.817		
6,100.0	5,996.5	6,091.4	6,039.7	21.2	16.8	170.02	-392.7	615.6	307.5	285.3	22.15	13.883		
6,200.0	6,094.3	6,191.2	6,138.4	21.6	17.1	170.06	-400.4	627.8	314.0	291.5	22.51	13.947		
6,300.0	6,192.2	6,291.0	6,237.2	22.1	17.4	170.10	-408.0	640.1	320.5	297.6	22.88	14.009		
6,400.0	6,290.0	6,390.8	6,335.9	22.5	17.7	170.13	-415.7	652.3	327.0	303.7	23.24	14.069		
6,500.0	6,387.8	6,490.6	6,434.6	22.9	18.0	170.16	-423.3	664.5	333.5	309.9	23.61	14.128		
6,600.0	6,485.6	6,590.3	6,533.4	23.3	18.3	170.19	-431.0	676.7	340.0	316.0	23.97	14.184		
6,700.0	6,583.5	6,690.1	6,632.1	23.7	18.6	170.22	-438.6	688.9	346.5	322.2	24.34	14.239		
6,800.0	6,681.3	6,789.9	6,730.9	24.1	18.9	170.25	-446.3	701.1	353.0	328.3	24.70	14.292		
6,900.0	6,779.1	6,889.7	6,829.6	24.5	19.2	170.28	-453.9	713.3	359.5	334.5	25.07	14.343		
7,000.0	6,877.2	6,989.4	6,928.3	24.8	19.5	-155.98	-461.5	725.5	364.8	339.3	25.50	14.306		
7,100.0	6,974.8	7,087.4	7,025.2	25.1	19.8	-119.02	-469.1	737.5	365.5	339.1	26.41	13.838		
7,200.0	7,069.1	7,179.1	7,116.0	25.2	20.1	-107.60	-475.9	748.7	364.0	336.1	27.88	13.058		
7,222.8	7,089.8	7,198.0	7,134.7	25.2	20.2	-106.63	-476.5	751.1	363.9	335.7	28.21	12.902		
7,300.0	7,157.2	7,264.1	7,200.3	25.2	20.3	-105.61	-473.6	759.2	365.1	335.9	29.23	12.491		
7,400.0	7,236.5	7,354.7	7,288.6	25.1	20.4	-107.24	-457.5	770.1	370.7	340.6	30.09	12.318		
7,500.0	7,304.5	7,452.5	7,379.9	25.0	20.4	-110.48	-424.6	781.4	380.8	350.6	30.15	12.629		
7,600.0	7,359.1	7,559.7	7,471.9	25.0	20.3	-114.45	-371.2	792.7	394.8	365.5	29.32	13.464		
7,700.0	7,398.8	7,678.9	7,560.7	24.9	20.2	-118.73	-292.7	803.7	411.5	383.7	27.83	14.785		
7,800.0	7,422.3	7,813.0	7,638.9	24.9	20.1	-123.00	-184.5	813.4	428.9	402.6	26.27	16.325		
7,900.0	7,429.0	7,964.3	7,694.5	25.0	20.1	-127.04	-44.5	820.3	444.3	418.7	25.57	17.376		
8,000.0	7,429.0	8,121.7	7,712.0	25.2	20.5	-128.98	111.4	822.4	449.8	423.8	26.04	17.276		
8,100.0	7,429.0	8,221.7	7,712.0	25.5	20.9	-128.98	211.4	822.4	449.8	422.9	26.94	16.700		
8,200.0	7,429.0	8,321.7	7,712.0	25.9	21.4	-128.98	311.4	822.4	449.8	421.8	28.07	16.024		
8,300.0	7,429.0	8,421.7	7,712.0	26.4	22.0	-128.98	411.4	822.4	449.8	420.4	29.42	15.291		
8,400.0	7,429.0	8,521.7	7,712.0	27.0	22.8	-128.98	511.4	822.4	449.8	418.9	30.95	14.534		
8,500.0	7,429.0	8,621.7	7,712.0	27.8	23.7	-128.98	611.4	822.4	449.8	417.2	32.64	13.782		
8,600.0	7,429.0	8,721.7	7,712.0	28.6	24.7	-128.98	711.4	822.4	449.8	415.4	34.46	13.052		
8,700.0	7,429.0	8,821.7	7,712.0	29.5	25.7	-128.98	811.4	822.4	449.8	413.4	36.40	12.357		
8,800.0	7,429.0	8,921.7	7,712.0	30.5	26.8	-128.98	911.4	822.4	449.8	411.4	38.44	11.703		
8,900.0	7,429.0	9,021.7	7,712.0	31.5	28.0	-128.98	1,011.4	822.4	449.8	409.3	40.56	11.091		
9,000.0	7,429.0	9,121.7	7,712.0	32.6	29.3	-128.98	1,111.4	822.4	449.8	407.1	42.75	10.523		
9,100.0	7,429.0	9,221.7	7,712.0	33.8	30.6	-128.98	1,211.4	822.4	449.8	404.8	45.00	9.997		
9,200.0	7,429.0	9,321.7	7,712.0	35.0	31.9	-128.98	1,311.4	822.4	449.8	402.5	47.30	9.511		
9,300.0	7,429.0	9,421.7	7,712.0	36.2	33.3	-128.98	1,411.4	822.4	449.8	400.2	49.65	9.061		
9,400.0	7,429.0	9,521.7	7,712.0	37.5	34.7	-128.98	1,511.4	822.4	449.8	397.8	52.03	8.646		
9,500.0	7,429.0	9,621.7	7,712.0	38.9	36.2	-128.98	1,611.4	822.4	449.8	395.4	54.45	8.262		
9,600.0	7,429.0	9,721.7	7,712.0	40.2	37.7	-128.98	1,711.4	822.4	449.8	393.0	56.89	7.907		
9,700.0	7,429.0	9,821.7	7,712.0	41.6	39.1	-128.98	1,811.4	822.4	449.8	390.5	59.36	7.578		
9,800.0	7,429.0	9,921.7	7,712.0	43.1	40.7	-128.98	1,911.4	822.4	449.8	388.0	61.86	7.272		
9,900.0	7,429.0	10,021.7	7,712.0	44.5	42.2	-128.98	2,011.4	822.4	449.8	385.5	64.37	6.988		
10,000.0	7,429.0	10,121.7	7,712.0	46.0	43.7	-128.98	2,111.4	822.4	449.8	382.9	66.90	6.724		
10,100.0	7,429.0	10,221.7	7,712.0	47.5	45.3	-128.98	2,211.4	822.4	449.8	380.4	69.45	6.477		

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 4N-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 4N-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			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,200.0	7,429.0	10,321.7	7,712.0	49.0	46.9	-128.98	2,311.4	822.4	449.8	377.8	72.01	6.247		
10,300.0	7,429.0	10,421.7	7,712.0	50.5	48.5	-128.98	2,411.4	822.4	449.8	375.3	74.59	6.031		
10,400.0	7,429.0	10,521.7	7,712.0	52.0	50.1	-128.98	2,511.4	822.4	449.8	372.7	77.17	5.829		
10,500.0	7,429.0	10,621.7	7,712.0	53.6	51.7	-128.98	2,611.4	822.4	449.8	370.1	79.77	5.639		
10,600.0	7,429.0	10,721.7	7,712.0	55.1	53.3	-128.98	2,711.4	822.4	449.8	367.5	82.37	5.461		
10,700.0	7,429.0	10,821.7	7,712.0	56.7	54.9	-128.98	2,811.4	822.4	449.8	364.9	84.99	5.293		
10,800.0	7,429.0	10,921.7	7,712.0	58.3	56.6	-128.98	2,911.4	822.4	449.8	362.2	87.61	5.135		
10,900.0	7,429.0	11,021.7	7,712.0	59.9	58.2	-128.98	3,011.4	822.4	449.8	359.6	90.23	4.985		
11,000.0	7,429.0	11,121.7	7,712.0	61.5	59.9	-128.98	3,111.4	822.4	449.8	357.0	92.87	4.844		
11,100.0	7,429.0	11,221.7	7,712.0	63.1	61.5	-128.98	3,211.4	822.4	449.8	354.3	95.51	4.710		
11,200.0	7,429.0	11,321.7	7,712.0	64.7	63.2	-128.98	3,311.4	822.4	449.8	351.7	98.15	4.583		
11,300.0	7,429.0	11,421.7	7,712.0	66.3	64.9	-128.98	3,411.4	822.4	449.8	349.0	100.80	4.463		
11,400.0	7,429.0	11,521.7	7,712.0	68.0	66.5	-128.98	3,511.4	822.4	449.8	346.4	103.46	4.348		
11,500.0	7,429.0	11,621.7	7,712.0	69.6	68.2	-128.98	3,611.4	822.4	449.8	343.7	106.12	4.239		
11,600.0	7,429.0	11,721.7	7,712.0	71.3	69.9	-128.98	3,711.4	822.4	449.8	341.1	108.78	4.135		
11,700.0	7,429.0	11,821.7	7,712.0	72.9	71.6	-128.98	3,811.4	822.4	449.8	338.4	111.45	4.036		
11,800.0	7,429.0	11,921.7	7,712.0	74.6	73.2	-128.98	3,911.4	822.4	449.8	335.7	114.12	3.942		
11,900.0	7,429.0	12,021.7	7,712.0	76.2	74.9	-128.98	4,011.4	822.4	449.8	333.1	116.79	3.852		
12,000.0	7,429.0	12,121.7	7,712.0	77.9	76.6	-128.98	4,111.4	822.4	449.8	330.4	119.46	3.766		
12,100.0	7,429.0	12,221.7	7,712.0	79.5	78.3	-128.98	4,211.4	822.4	449.8	327.7	122.14	3.683		
12,143.4	7,429.0	12,265.1	7,712.0	80.3	79.1	-128.98	4,254.8	822.4	449.8	326.5	123.31	3.648		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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									
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	142.47	-3.6	2.8	4.6						
100.0	100.0	100.0	100.0	0.1	0.1	142.47	-3.6	2.8	4.6	4.3	0.30	15.481			
200.0	200.0	200.0	200.0	0.3	0.3	142.47	-3.6	2.8	4.6	3.9	0.65	7.113			
300.0	300.0	300.0	300.0	0.5	0.5	142.47	-3.6	2.8	4.6	3.6	0.99	4.617			
400.0	400.0	400.0	400.0	0.7	0.7	142.47	-3.6	2.8	4.6	3.2	1.34	3.418 CC, ES			
500.0	500.0	499.9	499.9	0.8	0.8	137.29	-3.9	3.6	5.3	3.6	1.69	3.154 SF			
600.0	600.0	599.8	599.8	1.0	1.0	9.95	-4.8	6.1	7.5	5.5	2.04	3.686			
700.0	700.0	699.6	699.5	1.2	1.2	3.33	-6.2	10.2	10.0	7.6	2.39	4.175			
800.0	799.9	799.4	799.1	1.4	1.4	-1.96	-8.1	16.0	12.5	9.8	2.74	4.563			
900.0	899.8	899.1	898.5	1.6	1.6	-6.55	-10.7	23.4	15.1	12.0	3.09	4.888			
1,000.0	999.5	998.8	997.7	1.8	1.8	-10.71	-13.7	32.4	17.8	14.3	3.43	5.173			
1,100.0	1,099.2	1,098.4	1,096.7	2.0	2.1	-14.55	-17.4	43.0	20.6	16.8	3.79	5.429			
1,200.0	1,198.6	1,198.0	1,195.4	2.2	2.3	-18.15	-21.5	55.3	23.5	19.3	4.15	5.662			
1,300.0	1,297.9	1,297.5	1,293.8	2.4	2.6	-21.54	-26.3	69.2	26.5	22.0	4.52	5.872			
1,400.0	1,396.9	1,396.9	1,391.9	2.7	2.9	-24.74	-31.6	84.7	29.8	24.9	4.91	6.058			
1,500.0	1,495.7	1,496.3	1,489.7	3.0	3.3	-27.76	-37.4	101.8	33.2	27.8	5.34	6.216			
1,600.0	1,594.1	1,595.7	1,587.0	3.3	3.6	-30.61	-43.8	120.5	36.8	31.0	5.80	6.343			
1,700.0	1,692.3	1,695.0	1,684.0	3.7	4.0	-33.30	-50.7	140.7	40.6	34.3	6.30	6.436			
1,800.0	1,790.2	1,794.2	1,780.5	4.0	4.5	-35.68	-58.1	162.6	44.8	37.9	6.85	6.530			
1,900.0	1,888.0	1,893.3	1,876.5	4.4	4.9	-36.86	-66.1	185.9	50.4	43.0	7.41	6.804			
2,000.0	1,985.8	1,992.8	1,972.5	4.8	5.4	-37.18	-74.5	210.6	57.2	49.3	7.94	7.203			
2,100.0	2,083.6	2,092.6	2,068.8	5.2	5.9	-37.40	-83.0	235.5	64.1	55.6	8.48	7.555			
2,200.0	2,181.4	2,192.4	2,165.0	5.6	6.3	-37.58	-91.4	260.3	71.0	61.9	9.03	7.860			
2,300.0	2,279.3	2,292.1	2,261.3	5.9	6.8	-37.73	-99.9	285.1	77.8	68.3	9.58	8.127			
2,400.0	2,377.1	2,391.9	2,357.5	6.3	7.3	-37.85	-108.4	309.9	84.7	74.6	10.13	8.362			
2,500.0	2,474.9	2,491.7	2,453.8	6.7	7.8	-37.95	-116.8	334.7	91.6	80.9	10.69	8.570			
2,600.0	2,572.7	2,591.4	2,550.1	7.1	8.3	-38.04	-125.3	359.5	98.5	87.2	11.25	8.755			
2,700.0	2,670.6	2,691.2	2,646.3	7.5	8.8	-38.12	-133.8	384.4	105.4	93.5	11.81	8.920			
2,800.0	2,768.4	2,790.9	2,742.6	7.9	9.3	-38.19	-142.2	409.2	112.2	99.9	12.37	9.070			
2,900.0	2,866.2	2,890.7	2,838.8	8.3	9.8	-38.25	-150.7	434.0	119.1	106.2	12.94	9.205			
3,000.0	2,964.0	2,990.5	2,935.1	8.7	10.2	-38.30	-159.1	458.8	126.0	112.5	13.51	9.327			
3,100.0	3,061.8	3,090.2	3,031.3	9.1	10.7	-38.35	-167.6	483.6	132.9	118.8	14.08	9.439			
3,200.0	3,159.7	3,190.0	3,127.6	9.5	11.2	-38.39	-176.1	508.4	139.8	125.1	14.65	9.541			
3,300.0	3,257.5	3,289.8	3,223.8	9.9	11.7	-38.43	-184.5	533.3	146.6	131.4	15.22	9.635			
3,400.0	3,355.3	3,389.5	3,320.1	10.3	12.2	-38.47	-193.0	558.1	153.5	137.7	15.79	9.722			
3,500.0	3,453.1	3,489.3	3,416.3	10.7	12.7	-38.50	-201.5	582.9	160.4	144.0	16.36	9.802			
3,600.0	3,551.0	3,589.1	3,512.6	11.1	13.2	-38.53	-209.9	607.7	167.3	150.3	16.94	9.876			
3,700.0	3,648.8	3,688.8	3,608.9	11.5	13.7	-38.56	-218.4	632.5	174.2	156.6	17.51	9.945			
3,800.0	3,746.6	3,788.6	3,705.1	11.9	14.2	-38.58	-226.8	657.4	181.0	163.0	18.09	10.009			
3,900.0	3,844.4	3,888.3	3,801.4	12.3	14.7	-38.61	-235.3	682.2	187.9	169.3	18.66	10.069			
4,000.0	3,942.3	3,988.1	3,897.6	12.7	15.2	-38.63	-243.8	707.0	194.8	175.6	19.24	10.125			
4,100.0	4,040.1	4,087.9	3,993.9	13.1	15.7	-38.65	-252.2	731.8	201.7	181.9	19.82	10.178			
4,200.0	4,137.9	4,187.6	4,090.1	13.5	16.2	-38.67	-260.7	756.6	208.6	188.2	20.39	10.227			
4,300.0	4,235.7	4,287.4	4,186.4	13.9	16.7	-38.69	-269.2	781.4	215.5	194.5	20.97	10.274			
4,400.0	4,333.5	4,387.2	4,282.6	14.3	17.2	-38.70	-277.6	806.3	222.3	200.8	21.55	10.318			
4,500.0	4,431.4	4,486.9	4,378.9	14.7	17.7	-38.72	-286.1	831.1	229.2	207.1	22.13	10.359			
4,600.0	4,529.2	4,586.7	4,475.2	15.2	18.2	-38.73	-294.5	855.9	236.1	213.4	22.71	10.398			
4,700.0	4,627.0	4,686.4	4,571.4	15.6	18.7	-38.75	-303.0	880.7	243.0	219.7	23.28	10.435			
4,800.0	4,724.8	4,786.2	4,667.7	16.0	19.2	-38.76	-311.5	905.5	249.9	226.0	23.86	10.470			
4,900.0	4,822.7	4,886.0	4,763.9	16.4	19.7	-38.77	-319.9	930.3	256.7	232.3	24.44	10.504			
5,000.0	4,920.5	4,985.7	4,860.2	16.8	20.2	-38.79	-328.4	955.2	263.6	238.6	25.02	10.535			
5,100.0	5,018.3	5,085.5	4,956.4	17.2	20.7	-38.80	-336.9	980.0	270.5	244.9	25.60	10.565			

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 4N-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 4N-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							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	5,116.1	5,185.3	5,052.7	17.6	21.2	-38.81	-345.3	1,004.8	277.4	251.2	26.18	10.594		
5,300.0	5,213.9	5,285.0	5,148.9	18.0	21.7	-38.82	-353.8	1,029.6	284.3	257.5	26.76	10.622		
5,400.0	5,311.8	5,384.8	5,245.2	18.4	22.2	-38.83	-362.2	1,054.4	291.1	263.8	27.34	10.648		
5,500.0	5,409.6	5,484.5	5,341.5	18.8	22.7	-38.84	-370.7	1,079.3	298.0	270.1	27.92	10.673		
5,600.0	5,507.4	5,584.3	5,437.7	19.2	23.2	-38.85	-379.2	1,104.1	304.9	276.4	28.50	10.697		
5,700.0	5,605.2	5,684.1	5,534.0	19.6	23.7	-38.85	-387.6	1,128.9	311.8	282.7	29.09	10.720		
5,800.0	5,703.1	5,783.8	5,630.2	20.0	24.2	-38.86	-396.1	1,153.7	318.7	289.0	29.67	10.742		
5,900.0	5,800.9	5,883.6	5,726.5	20.4	24.7	-38.87	-404.6	1,178.5	325.6	295.3	30.25	10.763		
6,000.0	5,898.7	5,983.4	5,822.7	20.8	25.2	-38.88	-413.0	1,203.3	332.4	301.6	30.83	10.783		
6,100.0	5,996.5	6,083.1	5,919.0	21.2	25.7	-38.88	-421.5	1,228.2	339.3	307.9	31.41	10.803		
6,200.0	6,094.3	6,182.9	6,015.2	21.6	26.2	-38.89	-429.9	1,253.0	346.2	314.2	31.99	10.822		
6,300.0	6,192.2	6,282.7	6,111.5	22.1	26.7	-38.90	-438.4	1,277.8	353.1	320.5	32.57	10.840		
6,400.0	6,290.0	6,382.4	6,207.8	22.5	27.2	-38.90	-446.9	1,302.6	360.0	326.8	33.15	10.857		
6,500.0	6,387.8	6,482.2	6,304.0	22.9	27.7	-38.91	-455.3	1,327.4	366.8	333.1	33.74	10.874		
6,600.0	6,485.6	6,581.9	6,400.3	23.3	28.2	-38.92	-463.8	1,352.3	373.7	339.4	34.32	10.890		
6,700.0	6,583.5	6,681.7	6,496.5	23.7	28.7	-38.92	-472.3	1,377.1	380.6	345.7	34.90	10.906		
6,800.0	6,681.3	6,781.5	6,592.8	24.1	29.2	-38.93	-480.7	1,401.9	387.5	352.0	35.48	10.921		
6,900.0	6,779.1	6,881.2	6,689.0	24.5	29.7	-38.93	-489.2	1,426.7	394.4	358.3	36.06	10.935		
7,000.0	6,877.2	6,980.9	6,785.2	24.8	30.2	-4.74	-497.6	1,451.5	400.5	364.0	36.63	10.992		
7,100.0	6,974.8	7,078.7	6,879.6	25.1	30.7	37.54	-505.9	1,475.8	404.0	368.7	35.23	11.465		
7,200.0	7,069.1	7,171.7	6,969.3	25.2	31.2	58.62	-513.8	1,499.0	407.0	374.1	32.88	12.380		
7,300.0	7,157.2	7,257.1	7,051.7	25.2	31.6	71.60	-521.1	1,520.2	413.7	383.3	30.39	13.614		
7,400.0	7,236.5	7,337.0	7,128.8	25.1	32.0	81.17	-527.3	1,540.1	428.8	400.3	28.53	15.033		
7,500.0	7,304.5	7,433.5	7,222.1	25.0	32.4	89.69	-523.2	1,563.7	453.5	426.3	27.19	16.677		
7,600.0	7,359.1	7,549.8	7,332.0	25.0	32.8	97.51	-497.0	1,590.8	485.5	459.1	26.35	18.427		
10,400.0	7,429.0	10,743.3	7,712.0	52.0	55.8	124.62	2,525.7	1,582.0	498.3	418.0	80.33	6.203		
10,500.0	7,429.0	10,843.2	7,712.0	53.6	57.2	124.85	2,625.6	1,578.5	495.5	412.6	82.91	5.976		
10,600.0	7,429.0	10,943.2	7,712.0	55.1	58.7	125.08	2,725.5	1,575.1	492.6	407.1	85.47	5.764		
10,700.0	7,429.0	11,043.1	7,712.0	56.7	60.1	125.32	2,825.3	1,571.6	489.8	401.7	88.02	5.564		
10,800.0	7,429.0	11,143.1	7,712.0	58.3	61.6	125.55	2,925.2	1,568.1	486.9	396.4	90.55	5.377		
10,900.0	7,429.0	11,243.0	7,712.0	59.9	63.1	125.79	3,025.1	1,564.6	484.1	391.0	93.08	5.201		
11,000.0	7,429.0	11,342.9	7,712.0	61.5	64.6	126.04	3,125.0	1,561.1	481.2	385.7	95.58	5.035		
11,100.0	7,429.0	11,442.9	7,712.0	63.1	66.1	126.28	3,224.9	1,557.6	478.4	380.4	98.07	4.878		
11,200.0	7,429.0	11,542.8	7,712.0	64.7	67.7	126.53	3,324.7	1,554.1	475.6	375.1	100.54	4.730		
11,300.0	7,429.0	11,642.8	7,712.0	66.3	69.2	126.78	3,424.6	1,550.6	472.8	369.8	103.00	4.591		
11,400.0	7,429.0	11,742.7	7,712.0	68.0	70.7	127.04	3,524.5	1,547.2	470.0	364.6	105.43	4.458		
11,500.0	7,429.0	11,842.6	7,712.0	69.6	72.3	127.29	3,624.4	1,543.7	467.2	359.4	107.84	4.333		
11,600.0	7,429.0	11,942.6	7,712.0	71.3	73.9	127.56	3,724.2	1,540.2	464.5	354.2	110.23	4.214		
11,700.0	7,429.0	12,042.5	7,712.0	72.9	75.4	127.82	3,824.1	1,536.7	461.7	349.1	112.60	4.100		
11,800.0	7,429.0	12,142.5	7,712.0	74.6	77.0	128.09	3,924.0	1,533.2	459.0	344.0	114.95	3.993		
11,900.0	7,429.0	12,242.4	7,712.0	76.2	78.6	128.36	4,023.9	1,529.7	456.2	338.9	117.27	3.890		
12,000.0	7,429.0	12,342.3	7,712.0	77.9	80.2	128.63	4,123.8	1,526.2	453.5	333.9	119.57	3.793		
12,100.0	7,429.0	12,442.3	7,712.0	79.5	81.8	128.91	4,223.6	1,522.7	450.8	328.9	121.84	3.700		
12,139.8	7,429.0	12,469.8	7,712.0	80.2	82.3	128.98	4,251.2	1,521.8	449.8	327.2	122.62	3.668		
12,143.4	7,429.0	12,469.8	7,712.0	80.3	82.3	128.98	4,251.2	1,521.8	449.9	327.2	122.67	3.667		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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			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	90.00	0.0	8.4	8.4					
100.0	100.0	100.0	100.0	0.1	0.1	90.00	0.0	8.4	8.4	8.1	0.30	28.289		
200.0	200.0	200.0	200.0	0.3	0.3	90.00	0.0	8.4	8.4	7.7	0.65	12.998 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	91.00	-0.2	9.2	9.3	8.3	1.00	9.296		
400.0	400.0	399.6	399.6	0.7	0.7	93.12	-0.6	11.8	11.8	10.5	1.35	8.785 SF		
500.0	500.0	499.3	499.2	0.8	0.9	95.14	-1.4	16.1	16.2	14.5	1.71	9.477		
600.0	600.0	598.8	598.5	1.0	1.1	-21.91	-2.6	22.0	22.0	20.0	2.04	10.796		
700.0	700.0	698.2	697.5	1.2	1.3	-22.04	-4.0	29.7	28.2	25.8	2.39	11.810		
800.0	799.9	797.4	796.3	1.4	1.5	-22.98	-5.8	39.0	34.5	31.8	2.74	12.605		
900.0	899.8	896.6	894.9	1.6	1.8	-24.35	-7.8	50.0	40.9	37.9	3.09	13.254		
1,000.0	999.5	995.6	993.0	1.8	2.0	-25.95	-10.2	62.6	47.5	44.1	3.44	13.798		
1,100.0	1,099.2	1,094.5	1,090.8	2.0	2.3	-27.68	-12.9	76.9	54.3	50.5	3.81	14.261		
1,200.0	1,198.6	1,193.2	1,188.3	2.2	2.6	-29.49	-15.9	92.8	61.3	57.1	4.18	14.651		
1,300.0	1,297.9	1,291.9	1,285.3	2.4	3.0	-31.33	-19.2	110.3	68.5	63.9	4.57	14.973		
1,400.0	1,396.9	1,390.4	1,381.8	2.7	3.4	-33.18	-22.8	129.5	75.9	71.0	4.99	15.225		
1,500.0	1,495.7	1,488.7	1,477.9	3.0	3.8	-35.01	-26.7	150.2	83.7	78.2	5.43	15.407		
1,600.0	1,594.1	1,586.9	1,573.4	3.3	4.2	-36.81	-30.9	172.6	91.7	85.8	5.91	15.518		
1,700.0	1,692.3	1,685.0	1,668.4	3.7	4.6	-38.57	-35.4	196.5	100.0	93.6	6.43	15.557		
1,800.0	1,790.2	1,782.9	1,762.8	4.0	5.1	-40.24	-40.2	221.9	108.9	101.9	6.99	15.568		
1,900.0	1,888.0	1,880.6	1,856.6	4.4	5.6	-41.41	-45.3	248.9	119.2	111.6	7.57	15.743		
2,000.0	1,985.8	1,979.7	1,951.5	4.8	6.2	-42.22	-50.6	277.2	130.5	122.3	8.16	15.987		
2,100.0	2,083.6	2,079.1	2,046.5	5.2	6.7	-42.91	-56.0	305.6	141.8	133.0	8.76	16.181		
2,200.0	2,181.4	2,178.4	2,141.6	5.6	7.2	-43.49	-61.3	333.9	153.1	143.7	9.37	16.335		
2,300.0	2,279.3	2,277.8	2,236.7	5.9	7.8	-43.99	-66.6	362.3	164.4	154.4	9.99	16.459		
2,400.0	2,377.1	2,377.1	2,331.7	6.3	8.3	-44.43	-72.0	390.6	175.7	165.1	10.61	16.560		
2,500.0	2,474.9	2,476.5	2,426.8	6.7	8.9	-44.81	-77.3	419.0	187.1	175.8	11.24	16.643		
2,600.0	2,572.7	2,575.8	2,521.8	7.1	9.4	-45.15	-82.7	447.4	198.4	186.6	11.87	16.711		
2,700.0	2,670.6	2,675.2	2,616.9	7.5	9.9	-45.46	-88.0	475.7	209.8	197.3	12.51	16.767		
2,800.0	2,768.4	2,774.5	2,712.0	7.9	10.5	-45.73	-93.3	504.1	221.1	208.0	13.15	16.815		
2,900.0	2,866.2	2,873.9	2,807.0	8.3	11.0	-45.97	-98.7	532.5	232.5	218.7	13.79	16.855		
3,000.0	2,964.0	2,973.2	2,902.1	8.7	11.6	-46.20	-104.0	560.8	243.9	229.4	14.44	16.888		
3,100.0	3,061.8	3,072.6	2,997.2	9.1	12.1	-46.40	-109.4	589.2	255.2	240.2	15.09	16.917		
3,200.0	3,159.7	3,171.9	3,092.2	9.5	12.7	-46.59	-114.7	617.6	266.6	250.9	15.74	16.941		
3,300.0	3,257.5	3,271.3	3,187.3	9.9	13.2	-46.76	-120.1	645.9	278.0	261.6	16.39	16.962		
3,400.0	3,355.3	3,370.6	3,282.3	10.3	13.8	-46.91	-125.4	674.3	289.4	272.3	17.04	16.980		
3,500.0	3,453.1	3,470.0	3,377.4	10.7	14.3	-47.06	-130.7	702.7	300.8	283.1	17.70	16.995		
3,600.0	3,551.0	3,569.3	3,472.5	11.1	14.9	-47.19	-136.1	731.0	312.1	293.8	18.35	17.008		
3,700.0	3,648.8	3,668.7	3,567.5	11.5	15.4	-47.32	-141.4	759.4	323.5	304.5	19.01	17.020		
3,800.0	3,746.6	3,768.0	3,662.6	11.9	16.0	-47.43	-146.8	787.8	334.9	315.2	19.67	17.030		
3,900.0	3,844.4	3,867.3	3,757.7	12.3	16.5	-47.54	-152.1	816.1	346.3	326.0	20.32	17.038		
4,000.0	3,942.3	3,966.7	3,852.7	12.7	17.1	-47.65	-157.4	844.5	357.7	336.7	20.98	17.046		
4,100.0	4,040.1	4,066.0	3,947.8	13.1	17.6	-47.74	-162.8	872.9	369.1	347.4	21.64	17.053		
4,200.0	4,137.9	4,165.4	4,042.8	13.5	18.2	-47.83	-168.1	901.2	380.5	358.2	22.30	17.058		
4,300.0	4,235.7	4,264.7	4,137.9	13.9	18.7	-47.92	-173.5	929.6	391.9	368.9	22.96	17.063		
4,400.0	4,333.5	4,364.1	4,233.0	14.3	19.3	-48.00	-178.8	958.0	403.2	379.6	23.63	17.068		
4,500.0	4,431.4	4,463.4	4,328.0	14.7	19.8	-48.07	-184.2	986.3	414.6	390.4	24.29	17.071		
4,600.0	4,529.2	4,562.8	4,423.1	15.2	20.4	-48.14	-189.5	1,014.7	426.0	401.1	24.95	17.075		
4,700.0	4,627.0	4,662.1	4,518.1	15.6	20.9	-48.21	-194.8	1,043.1	437.4	411.8	25.61	17.077		
4,800.0	4,724.8	4,761.5	4,613.2	16.0	21.5	-48.28	-200.2	1,071.4	448.8	422.5	26.28	17.080		
4,900.0	4,822.7	4,860.8	4,708.3	16.4	22.0	-48.34	-205.5	1,099.8	460.2	433.3	26.94	17.082		
5,000.0	4,920.5	4,960.2	4,803.3	16.8	22.6	-48.39	-210.9	1,128.2	471.6	444.0	27.61	17.084		
5,100.0	5,018.3	5,059.5	4,898.4	17.2	23.1	-48.45	-216.2	1,156.5	483.0	454.7	28.27	17.086		

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 4N-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 4N-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 4P-32H-O268 - Hz - Plan #1													<b>Offset Site Error:</b> 0.0 ft
Survey Program: 0-Geolink MWD													<b>Offset Well Error:</b> 0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,200.0	5,116.1	5,158.9	4,993.5	17.6	23.7	-48.50	-221.5	1,184.9	494.4	465.5	28.93	17.087	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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) - NELSON E UNIT 2 (EXISTING) - ENCANA WELL - NO SURVEYS										Offset Site Error:		0.0 ft		
Survey Program: 8190-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	+N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)			
8,400.0	7,429.0	7,382.0	7,382.0	27.0	12.9	-90.00	856.8	921.6	426.7	396.5	30.20	14.131		
8,500.0	7,429.0	7,382.0	7,382.0	27.8	12.9	-90.00	856.8	921.6	350.7	319.4	31.33	11.192		
8,600.0	7,429.0	7,382.0	7,382.0	28.6	12.9	-90.00	856.8	921.6	289.7	257.1	32.56	8.896		
8,700.0	7,429.0	7,382.0	7,382.0	29.5	12.9	-90.00	856.8	921.6	254.6	220.7	33.86	7.518		
8,745.4	7,429.0	7,382.0	7,382.0	29.9	12.9	-90.00	856.8	921.6	250.5	216.0	34.48	7.265	CC, ES, SF	
8,800.0	7,429.0	7,382.0	7,382.0	30.5	12.9	-90.00	856.8	921.6	256.4	221.2	35.23	7.278		
8,900.0	7,429.0	7,382.0	7,382.0	31.5	12.9	-90.00	856.8	921.6	294.4	257.7	36.65	8.033		
9,000.0	7,429.0	7,382.0	7,382.0	32.6	12.9	-90.00	856.8	921.6	357.2	319.1	38.10	9.374		
9,100.0	7,429.0	7,382.0	7,382.0	33.8	12.9	-90.00	856.8	921.6	434.2	394.6	39.60	10.964		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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		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	51.72	222.6	282.0	359.4						
100.0	100.0	92.8	92.8	0.1	0.2	51.72	222.5	281.9	359.2	358.9	0.31	1,154.679			
200.0	200.0	193.7	193.7	0.3	0.3	51.72	222.3	281.7	358.8	358.2	0.66	541.665			
300.0	300.0	294.6	294.6	0.5	0.5	51.73	221.9	281.2	358.2	357.2	1.01	353.340			
400.0	400.0	395.5	395.5	0.7	0.7	51.74	221.3	280.6	357.4	356.0	1.37	261.779			
500.0	500.0	496.3	496.3	0.8	0.9	51.75	220.6	279.8	356.3	354.6	1.72	207.559			
600.0	600.0	597.2	597.2	1.0	1.1	-66.64	219.7	278.8	354.9	352.8	2.05	173.380			
700.0	700.0	698.0	698.0	1.2	1.2	-66.91	218.6	277.6	352.6	350.2	2.40	147.194			
800.0	799.9	798.8	798.8	1.4	1.4	-67.46	217.4	276.2	349.4	346.7	2.75	127.190			
900.0	899.8	899.5	899.4	1.6	1.6	-68.29	216.0	274.6	345.3	342.2	3.10	111.236			
1,000.0	999.5	996.8	996.7	1.8	1.8	-69.54	215.5	272.5	340.8	337.4	3.47	98.273			
1,100.0	1,099.2	1,084.5	1,084.4	2.0	1.9	-71.36	218.0	270.2	338.0	334.1	3.83	88.182			
1,128.9	1,127.9	1,109.6	1,109.3	2.0	1.9	-71.96	219.3	269.9	337.8	333.9	3.94	85.650 CC, ES			
1,200.0	1,198.6	1,171.8	1,171.4	2.2	2.0	-73.66	223.9	269.2	338.7	334.5	4.22	80.241			
1,300.0	1,297.9	1,260.1	1,259.2	2.4	2.2	-76.42	232.9	269.0	342.9	338.3	4.63	73.989			
1,400.0	1,396.9	1,351.3	1,349.7	2.7	2.4	-79.60	244.6	269.3	350.2	345.1	5.09	68.807			
1,500.0	1,495.7	1,437.9	1,435.2	3.0	2.6	-82.98	258.3	269.2	360.8	355.2	5.57	64.803			
1,600.0	1,594.1	1,529.5	1,525.3	3.3	2.8	-86.75	275.1	269.0	375.0	368.9	6.08	61.648			
1,700.0	1,692.3	1,614.3	1,608.3	3.7	3.1	-90.38	292.5	268.0	392.6	386.0	6.61	59.370			
1,800.0	1,790.2	1,698.9	1,690.4	4.0	3.4	-94.21	312.3	266.2	414.6	407.5	7.15	58.005			
1,900.0	1,888.0	1,787.6	1,776.3	4.4	3.7	-98.11	334.6	263.8	440.3	432.6	7.68	57.348			
2,000.0	1,985.8	1,869.1	1,854.8	4.8	4.1	-101.42	356.1	261.1	469.1	460.9	8.18	57.343 SF			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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		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	96.89	-15.7	129.5	130.7					
100.0	100.0	91.2	91.2	0.1	0.1	96.87	-15.6	129.8	130.8	130.5	0.28	459.349		
200.0	200.0	190.7	190.7	0.3	0.3	96.85	-15.7	130.6	131.6	131.0	0.63	208.735		
300.0	300.0	290.9	290.9	0.5	0.5	96.99	-16.1	131.6	132.5	131.6	0.98	135.250		
400.0	400.0	391.1	391.1	0.7	0.7	97.29	-16.9	132.2	133.3	132.0	1.33	100.294		
500.0	500.0	491.2	491.2	0.8	0.8	97.58	-17.7	132.8	134.0	132.3	1.68	79.812		
600.0	600.0	591.3	591.3	1.0	1.0	-20.63	-18.2	133.3	134.4	132.3	2.03	66.268		
700.0	700.0	691.7	691.6	1.2	1.2	-20.75	-18.6	133.7	133.1	130.7	2.38	56.003		
800.0	799.9	791.8	791.8	1.4	1.4	-21.24	-18.7	133.8	130.0	127.3	2.73	47.694		
900.0	899.8	892.2	892.2	1.6	1.5	-22.12	-18.8	133.7	125.1	122.0	3.08	40.665		
1,000.0	999.5	992.1	992.1	1.8	1.7	-23.45	-18.7	133.3	118.2	114.8	3.43	34.493		
1,100.0	1,099.2	1,091.9	1,091.9	2.0	1.9	-25.23	-18.7	132.7	109.7	105.9	3.78	29.019		
1,200.0	1,198.6	1,191.8	1,191.8	2.2	2.1	-27.89	-18.6	131.8	99.4	95.3	4.14	24.010		
1,300.0	1,297.9	1,290.8	1,290.7	2.4	2.2	-31.94	-18.2	130.7	87.7	83.2	4.51	19.436		
1,400.0	1,396.9	1,389.7	1,389.6	2.7	2.4	-38.18	-17.5	129.7	75.4	70.4	4.92	15.325		
1,500.0	1,495.7	1,488.5	1,488.4	3.0	2.6	-48.11	-16.6	128.4	62.7	57.4	5.38	11.652		
1,600.0	1,594.1	1,586.8	1,586.7	3.3	2.7	-63.98	-15.9	126.6	51.6	45.7	5.96	8.663		
1,700.0	1,692.3	1,684.4	1,684.3	3.7	2.9	-87.50	-15.2	124.8	45.9	39.4	6.58	6.979		
1,708.1	1,700.2	1,692.2	1,692.1	3.7	2.9	-89.62	-15.2	124.7	45.9	39.3	6.63	6.927 CC, ES, SF		
1,800.0	1,790.2	1,781.7	1,781.6	4.0	3.1	-112.95	-14.1	123.6	50.5	43.5	6.98	7.229		
1,900.0	1,888.0	1,878.7	1,878.6	4.4	3.3	-131.39	-12.6	122.4	63.5	56.4	7.18	8.844		
2,000.0	1,985.8	1,976.5	1,976.4	4.8	3.4	-142.93	-10.9	121.2	81.1	73.7	7.38	10.985		
2,100.0	2,083.6	2,074.9	2,074.8	5.2	3.6	-150.34	-9.8	120.4	99.8	92.2	7.61	13.115		
2,200.0	2,181.4	2,174.0	2,173.8	5.6	3.8	-155.54	-9.9	119.9	118.6	110.7	7.88	15.055		
2,300.0	2,279.3	2,271.7	2,271.5	5.9	3.9	-159.35	-10.5	119.7	137.5	129.4	8.16	16.855		
2,400.0	2,377.1	2,369.8	2,369.7	6.3	4.1	-162.28	-11.1	119.3	157.1	148.6	8.46	18.574		
2,500.0	2,474.9	2,467.9	2,467.7	6.7	4.3	-164.72	-12.4	118.8	176.4	167.6	8.76	20.138		
2,600.0	2,572.7	2,561.4	2,561.1	7.1	4.5	-167.11	-14.3	116.6	197.0	187.9	9.05	21.753		
2,700.0	2,670.6	2,658.4	2,658.0	7.5	4.6	-169.70	-16.7	111.6	219.6	210.3	9.35	23.486		
2,800.0	2,768.4	2,756.9	2,756.2	7.9	4.8	-172.31	-21.3	105.9	242.0	232.3	9.66	25.054		
2,900.0	2,866.2	2,852.3	2,851.2	8.3	5.0	-174.81	-27.2	99.4	264.7	254.7	9.97	26.536		
3,000.0	2,964.0	2,946.6	2,945.0	8.7	5.2	-177.11	-33.5	91.7	288.6	278.3	10.30	28.006		
3,100.0	3,061.8	3,040.2	3,038.0	9.1	5.4	-179.29	-40.5	83.0	313.5	302.9	10.65	29.429		
3,200.0	3,159.7	3,130.9	3,127.5	9.5	5.6	-178.36	-49.4	71.9	340.4	329.3	11.02	30.877		
3,300.0	3,257.5	3,227.3	3,222.6	9.9	5.8	-176.11	-59.4	59.6	368.0	356.6	11.43	32.210		
3,400.0	3,355.3	3,318.9	3,313.1	10.3	6.0	-174.42	-67.9	48.1	396.2	384.4	11.83	33.508		
3,500.0	3,453.1	3,405.7	3,398.7	10.7	6.3	-173.07	-75.1	36.1	426.4	414.1	12.23	34.874		
3,600.0	3,551.0	3,494.1	3,485.5	11.1	6.5	-171.58	-83.8	21.6	458.5	445.8	12.65	36.233		
3,700.0	3,648.8	3,585.1	3,574.6	11.5	6.8	-170.17	-93.1	6.0	491.3	478.2	13.10	37.508		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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				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	54.41	209.8	293.2	360.7					
100.0	100.0	91.6	91.6	0.1	0.1	54.47	209.5	293.4	360.5	360.2	0.29	1,239.923		
149.8	149.8	140.8	140.8	0.2	0.2	54.55	209.0	293.6	360.4	359.9	0.46	791.192		
200.0	200.0	185.8	185.8	0.3	0.3	54.61	208.9	294.1	360.8	360.1	0.62	580.108		
300.0	300.0	274.7	274.6	0.5	0.5	54.63	210.3	296.2	363.7	362.7	0.95	380.901		
400.0	400.0	366.8	366.6	0.7	0.6	54.65	213.2	300.6	369.3	368.0	1.30	283.107		
500.0	500.0	456.3	455.8	0.8	0.8	54.76	216.7	306.7	377.2	375.6	1.66	226.714		
600.0	600.0	547.4	546.4	1.0	1.1	-63.37	221.1	315.4	387.6	385.7	1.95	198.392		
700.0	700.0	639.1	637.3	1.2	1.3	-63.18	226.0	325.9	399.3	397.0	2.29	174.217		
800.0	799.9	728.1	725.3	1.4	1.6	-63.06	231.2	338.2	412.4	409.8	2.63	156.699		
900.0	899.8	821.7	817.6	1.6	1.9	-62.90	236.3	353.6	426.7	423.7	2.99	142.612		
1,000.0	999.5	926.2	920.4	1.8	2.3	-62.68	240.2	371.9	440.1	436.8	3.39	129.741		
1,100.0	1,099.2	1,023.5	1,016.0	2.0	2.6	-62.41	241.8	389.8	452.3	448.4	3.81	118.821		
1,200.0	1,198.6	1,104.0	1,094.6	2.2	3.0	-62.01	241.9	407.0	465.5	461.3	4.22	110.426		
1,300.0	1,297.9	1,196.3	1,184.0	2.4	3.4	-61.53	241.9	429.9	480.5	475.8	4.68	102.678		
1,400.0	1,396.9	1,286.8	1,271.2	2.7	3.8	-61.11	242.1	454.4	496.8	491.6	5.17	96.061		
7,700.0	7,398.8	7,516.6	7,384.6	24.9	23.5	54.68	224.2	1,388.7	465.9	439.6	26.29	17.720		
7,800.0	7,422.3	7,541.6	7,409.7	24.9	23.6	76.06	224.6	1,388.6	381.2	354.4	26.83	14.210		
7,900.0	7,429.0	7,549.8	7,417.9	25.0	23.6	89.44	224.7	1,388.6	303.9	277.1	26.85	11.319		
8,000.0	7,429.0	7,551.3	7,419.4	25.2	23.6	89.84	224.8	1,388.6	244.3	217.1	27.19	8.985		
8,100.0	7,429.0	7,552.8	7,420.9	25.5	23.6	90.24	224.8	1,388.5	216.9	189.1	27.74	7.818		
8,113.4	7,429.0	7,553.0	7,421.1	25.5	23.6	90.29	224.8	1,388.5	216.4	188.6	27.83	7.776 CC, ES, SF		
8,200.0	7,429.0	7,554.3	7,422.4	25.9	23.6	90.63	224.8	1,388.5	233.1	204.7	28.46	8.191		
8,300.0	7,429.0	7,555.8	7,423.9	26.4	23.6	91.03	224.8	1,388.5	285.8	256.4	29.34	9.739		
8,400.0	7,429.0	7,557.3	7,425.4	27.0	23.6	91.43	224.9	1,388.5	359.1	328.8	30.35	11.831		
8,500.0	7,429.0	7,558.8	7,426.9	27.8	23.6	91.82	224.9	1,388.5	443.0	411.5	31.47	14.076		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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 6-8-32 (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		
4,300.0	4,235.7	4,420.9	4,312.2	13.9	18.2	-94.58	108.4	786.5	483.2	459.3	23.97	20.159		
4,400.0	4,333.5	4,517.8	4,405.7	14.3	18.7	-95.80	82.9	786.2	460.6	436.2	24.39	18.883		
4,500.0	4,431.4	4,614.7	4,499.1	14.7	19.2	-97.15	57.3	785.9	438.1	413.3	24.77	17.686		
4,600.0	4,529.2	4,711.6	4,592.6	15.2	19.7	-98.64	31.7	785.5	415.9	390.8	25.11	16.562		
4,700.0	4,627.0	4,808.4	4,686.1	15.6	20.1	-100.29	6.1	785.2	394.0	368.6	25.40	15.508		
4,800.0	4,724.8	4,905.3	4,779.5	16.0	20.6	-102.14	-19.5	784.9	372.4	346.8	25.65	14.521		
4,900.0	4,822.7	5,002.2	4,873.0	16.4	21.1	-104.20	-45.1	784.5	351.3	325.4	25.84	13.595		
5,000.0	4,920.5	5,099.1	4,966.4	16.8	21.6	-106.53	-70.6	784.2	330.6	304.7	25.98	12.729		
5,100.0	5,018.3	5,196.0	5,059.9	17.2	22.0	-109.15	-96.2	783.9	310.6	284.5	26.07	11.915		
5,200.0	5,116.1	5,292.9	5,153.3	17.6	22.5	-112.11	-121.8	783.5	291.3	265.2	26.13	11.148		
5,300.0	5,213.9	5,389.8	5,246.8	18.0	23.0	-115.47	-147.4	783.2	272.9	246.7	26.19	10.418		
5,400.0	5,311.8	5,486.7	5,340.2	18.4	23.4	-119.29	-173.0	782.9	255.5	229.2	26.30	9.715		
5,500.0	5,409.6	5,583.6	5,433.7	18.8	23.9	-123.63	-198.5	782.6	239.4	212.9	26.52	9.028		
5,600.0	5,507.4	5,680.5	5,527.1	19.2	24.4	-128.53	-224.1	782.2	225.0	198.0	26.92	8.356		
5,700.0	5,605.2	5,777.4	5,620.6	19.6	24.9	-134.03	-249.7	781.9	212.4	184.8	27.54	7.712		
5,800.0	5,703.1	5,874.3	5,714.0	20.0	25.3	-140.12	-275.3	781.6	202.1	173.7	28.38	7.121		
5,900.0	5,800.9	5,971.1	5,807.5	20.4	25.8	-146.75	-300.9	781.2	194.4	165.0	29.40	6.611		
6,000.0	5,898.7	6,068.0	5,900.9	20.8	26.3	-153.79	-326.4	780.9	189.6	159.0	30.56	6.203		
6,099.5	5,996.1	6,164.5	5,994.0	21.2	26.8	-161.03	-351.9	780.6	188.0	156.1	31.84	5.905 CC		
6,100.0	5,996.5	6,164.9	5,994.4	21.2	26.8	-161.06	-352.0	780.6	188.0	156.1	31.84	5.904 ES		
6,200.0	6,094.3	6,261.8	6,087.9	21.6	27.2	-168.33	-377.6	780.2	189.6	156.4	33.26	5.702		
6,300.0	6,192.2	6,358.7	6,181.3	22.1	27.7	-175.37	-403.2	779.9	194.4	159.6	34.85	5.579		
6,400.0	6,290.0	6,455.6	6,274.8	22.5	28.2	-178.01	-428.8	779.6	202.1	165.5	36.61	5.521		
6,500.0	6,387.8	6,552.5	6,368.2	22.9	28.7	-171.92	-454.4	779.3	212.5	174.0	38.49	5.520 SF		
6,600.0	6,485.6	6,647.6	6,460.3	23.3	28.8	-166.87	-478.1	779.0	225.5	185.5	39.92	5.648		
6,700.0	6,583.5	6,743.4	6,553.8	23.7	28.8	-163.07	-498.9	778.7	240.7	199.6	41.08	5.860		
6,800.0	6,681.3	6,839.9	6,648.6	24.1	28.9	-160.42	-516.8	778.5	257.4	215.4	41.98	6.130		
6,900.0	6,779.1	6,936.9	6,744.5	24.5	29.0	-158.77	-531.4	778.3	274.9	232.2	42.66	6.444		
7,000.0	6,877.2	7,033.9	6,840.8	24.8	29.0	-167.61	-542.9	778.1	292.5	249.5	43.05	6.795		
7,100.0	6,974.8	7,129.7	6,936.3	25.1	29.1	-129.82	-550.9	778.0	309.5	265.8	43.65	7.090		
7,200.0	7,069.1	7,222.7	7,029.2	25.2	29.2	-116.96	-555.7	778.0	327.6	283.4	44.23	7.407		
7,300.0	7,157.2	7,311.5	7,117.9	25.2	29.2	-114.00	-557.5	777.9	349.9	305.5	44.39	7.881		
7,400.0	7,236.5	7,391.0	7,197.5	25.1	29.3	-114.16	-557.5	777.9	379.7	335.8	43.90	8.649		
7,500.0	7,304.5	7,459.0	7,265.5	25.0	29.4	-114.52	-557.5	777.9	420.4	377.5	42.93	9.793		
7,600.0	7,359.1	7,513.7	7,320.1	25.0	29.4	-113.24	-557.5	777.9	473.5	431.4	42.05	11.260		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	57.90	193.1	307.8	363.4					
100.0	100.0	91.0	91.0	0.1	0.1	57.90	193.1	307.8	363.3	363.0	0.28	1,282.174		
200.0	200.0	191.0	191.0	0.3	0.3	57.90	193.1	307.8	363.3	362.7	0.63	576.624		
300.0	300.0	291.0	291.0	0.5	0.5	57.90	193.1	307.8	363.3	362.3	0.98	371.054		
400.0	400.0	391.0	391.0	0.7	0.7	57.90	193.1	307.8	363.3	362.0	1.33	273.536		
500.0	500.0	491.0	491.0	0.8	0.8	57.90	193.1	307.8	363.3	361.6	1.68	216.609		
600.0	600.0	587.4	587.4	1.0	1.0	-60.29	192.2	308.8	363.6	361.6	2.02	179.896		
700.0	700.0	683.4	683.3	1.2	1.2	-59.84	189.4	312.3	364.3	362.0	2.37	153.516		
800.0	799.9	779.2	778.7	1.4	1.4	-59.14	184.5	318.3	365.3	362.5	2.74	133.135		
900.0	899.8	874.7	873.6	1.6	1.6	-58.20	177.6	326.7	366.6	363.4	3.14	116.619		
1,000.0	999.5	969.9	967.8	1.8	1.9	-57.03	168.8	337.6	368.2	364.7	3.58	102.853		
1,100.0	1,099.2	1,064.6	1,061.0	2.0	2.2	-55.63	158.0	350.8	370.4	366.4	4.06	91.237		
1,200.0	1,198.6	1,160.2	1,154.4	2.2	2.5	-54.02	145.3	366.4	373.2	368.6	4.58	81.562		
1,300.0	1,297.9	1,259.6	1,251.4	2.4	2.9	-52.46	131.4	383.4	375.6	370.5	5.13	73.275		
1,400.0	1,396.9	1,359.3	1,348.6	2.7	3.3	-51.12	117.6	400.4	377.2	371.5	5.69	66.274		
1,500.0	1,495.7	1,459.0	1,445.8	3.0	3.7	-50.01	103.7	417.4	377.9	371.6	6.27	60.247		
1,600.0	1,594.1	1,558.8	1,543.2	3.3	4.1	-49.10	89.8	434.4	377.6	370.7	6.87	54.969		
1,700.0	1,692.3	1,658.7	1,640.6	3.7	4.5	-48.40	75.9	451.5	376.2	368.7	7.48	50.274		
1,800.0	1,790.2	1,758.6	1,738.1	4.0	4.9	-47.86	62.0	468.5	373.9	365.8	8.11	46.090		
1,900.0	1,888.0	1,858.5	1,835.6	4.4	5.3	-47.33	48.1	485.6	371.4	362.7	8.74	42.482		
2,000.0	1,985.8	1,958.4	1,933.0	4.8	5.7	-46.79	34.2	502.6	369.0	359.7	9.37	39.369		
2,100.0	2,083.6	2,058.3	2,030.5	5.2	6.2	-46.24	20.3	519.7	366.7	356.7	10.00	36.663		
2,200.0	2,181.4	2,158.2	2,127.9	5.6	6.6	-45.69	6.4	536.7	364.3	353.7	10.62	34.293		
2,300.0	2,279.3	2,258.1	2,225.4	5.9	7.0	-45.13	-7.5	553.8	362.0	350.8	11.24	32.204		
2,400.0	2,377.1	2,358.0	2,322.8	6.3	7.4	-44.56	-21.4	570.8	359.7	347.9	11.85	30.351		
2,500.0	2,474.9	2,458.0	2,420.3	6.7	7.8	-43.99	-35.3	587.9	357.5	345.0	12.46	28.698		
2,600.0	2,572.7	2,557.9	2,517.8	7.1	8.3	-43.41	-49.2	604.9	355.3	342.2	13.05	27.217		
2,700.0	2,670.6	2,657.8	2,615.2	7.5	8.7	-42.82	-63.1	622.0	353.1	339.5	13.64	25.883		
2,800.0	2,768.4	2,757.7	2,712.7	7.9	9.1	-42.22	-77.0	639.0	351.0	336.8	14.22	24.677		
2,900.0	2,866.2	2,857.6	2,810.1	8.3	9.5	-41.62	-90.9	656.1	348.9	334.1	14.80	23.582		
3,000.0	2,964.0	2,957.5	2,907.6	8.7	10.0	-41.01	-104.8	673.1	346.9	331.5	15.36	22.585		
3,100.0	3,061.8	3,057.4	3,005.1	9.1	10.4	-40.39	-118.7	690.2	344.9	329.0	15.91	21.675		
3,200.0	3,159.7	3,157.3	3,102.5	9.5	10.8	-39.77	-132.6	707.2	342.9	326.4	16.45	20.841		
3,300.0	3,257.5	3,257.2	3,200.0	9.9	11.2	-39.14	-146.5	724.3	341.0	324.0	16.98	20.075		
3,400.0	3,355.3	3,357.1	3,297.4	10.3	11.6	-38.50	-160.4	741.3	339.1	321.6	17.51	19.370		
3,500.0	3,453.1	3,457.1	3,394.9	10.7	12.1	-37.85	-174.3	758.4	337.2	319.2	18.02	18.720		
3,600.0	3,551.0	3,557.0	3,492.3	11.1	12.5	-37.20	-188.2	775.4	335.4	316.9	18.51	18.119		
3,700.0	3,648.8	3,656.9	3,589.8	11.5	12.9	-36.54	-202.1	792.5	333.7	314.7	19.00	17.563		
3,800.0	3,746.6	3,756.8	3,687.3	11.9	13.3	-35.87	-216.0	809.5	332.0	312.5	19.47	17.047		
3,900.0	3,844.4	3,856.7	3,784.7	12.3	13.8	-35.20	-229.9	826.6	330.3	310.4	19.94	16.568		
4,000.0	3,942.3	3,956.6	3,882.2	12.7	14.2	-34.52	-243.8	843.6	328.7	308.3	20.39	16.123		
4,100.0	4,040.1	4,056.5	3,979.6	13.1	14.6	-33.83	-257.7	860.7	327.1	306.3	20.82	15.709		
4,200.0	4,137.9	4,156.4	4,077.1	13.5	15.0	-33.14	-271.6	877.7	325.6	304.4	21.25	15.324		
4,300.0	4,235.7	4,256.3	4,174.6	13.9	15.5	-32.44	-285.5	894.8	324.1	302.5	21.66	14.965		
4,400.0	4,333.5	4,356.3	4,272.0	14.3	15.9	-31.74	-299.4	911.8	322.7	300.6	22.06	14.630		
4,500.0	4,431.4	4,456.2	4,369.5	14.7	16.3	-31.02	-313.3	928.9	321.3	298.9	22.44	14.317		
4,600.0	4,529.2	4,556.1	4,466.9	15.2	16.7	-30.31	-327.1	945.9	320.0	297.2	22.82	14.026		
4,700.0	4,627.0	4,656.0	4,564.4	15.6	17.2	-29.58	-341.0	963.0	318.7	295.5	23.17	13.753		
4,800.0	4,724.8	4,755.9	4,661.8	16.0	17.6	-28.85	-354.9	980.1	317.5	294.0	23.52	13.499		
4,900.0	4,822.7	4,855.8	4,759.3	16.4	18.0	-28.12	-368.8	997.1	316.3	292.5	23.85	13.262		
5,000.0	4,920.5	4,955.7	4,856.8	16.8	18.5	-27.38	-382.7	1,014.2	315.2	291.0	24.17	13.041		
5,100.0	5,018.3	5,055.6	4,954.2	17.2	18.9	-26.63	-396.6	1,031.2	314.1	289.7	24.48	12.834		

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 4N-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 4N-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				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,200.0	5,116.1	5,155.5	5,051.7	17.6	19.3	-25.88	-410.5	1,048.3	313.1	288.3	24.77	12.642		
5,300.0	5,213.9	5,255.4	5,149.1	18.0	19.7	-25.13	-424.4	1,065.3	312.2	287.1	25.05	12.462		
5,400.0	5,311.8	5,355.4	5,246.6	18.4	20.2	-24.37	-438.3	1,082.4	311.3	285.9	25.32	12.294		
5,500.0	5,409.6	5,455.3	5,344.1	18.8	20.6	-23.60	-452.2	1,099.4	310.4	284.8	25.57	12.139		
5,600.0	5,507.4	5,555.2	5,441.5	19.2	21.0	-22.83	-466.1	1,116.5	309.6	283.8	25.81	11.993		
5,700.0	5,605.2	5,655.1	5,539.0	19.6	21.4	-22.06	-480.0	1,133.5	308.9	282.8	26.05	11.858		
5,800.0	5,703.1	5,755.0	5,636.4	20.0	21.9	-21.29	-493.9	1,150.6	308.2	281.9	26.27	11.733		
5,900.0	5,800.9	5,854.9	5,733.9	20.4	22.3	-20.51	-507.8	1,167.6	307.6	281.1	26.48	11.617		
6,000.0	5,898.7	5,961.3	5,837.8	20.8	22.7	-19.76	-522.1	1,185.1	306.3	279.6	26.69	11.478		
6,100.0	5,996.5	6,071.3	5,946.1	21.2	23.1	-19.34	-534.4	1,200.2	302.0	275.0	27.00	11.187		
6,200.0	6,094.3	6,180.9	6,054.6	21.6	23.4	-19.32	-544.1	1,212.1	294.4	267.0	27.42	10.736		
6,300.0	6,192.2	6,289.8	6,162.9	22.1	23.6	-19.72	-551.1	1,220.7	283.5	255.5	27.98	10.134		
6,400.0	6,290.0	6,397.6	6,270.6	22.5	23.8	-20.60	-555.5	1,226.0	269.4	240.7	28.69	9.390		
6,500.0	6,387.8	6,504.2	6,377.1	22.9	23.9	-22.06	-557.2	1,228.2	252.2	222.6	29.62	8.516		
6,600.0	6,485.6	6,603.8	6,476.6	23.3	23.9	-23.99	-557.3	1,228.3	233.1	202.4	30.73	7.586		
6,700.0	6,583.5	6,701.6	6,574.5	23.7	24.0	-26.23	-557.3	1,228.3	214.3	182.3	32.00	6.696		
6,800.0	6,681.3	6,799.4	6,672.3	24.1	24.1	-28.91	-557.3	1,228.3	195.8	162.3	33.47	5.850		
6,900.0	6,779.1	6,897.2	6,770.1	24.5	24.2	-32.12	-557.3	1,228.3	177.8	142.6	35.19	5.053		
7,000.0	6,877.2	6,995.3	6,868.2	24.8	24.3	0.66	-557.3	1,228.3	160.0	124.0	35.97	4.448		
7,100.0	6,974.8	7,092.9	6,965.8	25.1	24.4	46.06	-557.3	1,228.3	141.1	107.3	33.74	4.181 SF		
7,200.0	7,069.1	7,187.2	7,060.1	25.2	24.5	76.28	-557.3	1,228.3	125.5	96.4	29.05	4.320		
7,250.1	7,114.2	7,232.3	7,105.2	25.2	24.5	89.99	-557.3	1,228.3	122.7	95.8	26.87	4.567 CC, ES		
7,300.0	7,157.2	7,275.3	7,148.2	25.2	24.5	102.80	-557.3	1,228.3	126.1	100.5	25.59	4.928		
7,400.0	7,236.5	7,354.6	7,227.5	25.1	24.6	123.60	-557.3	1,228.3	155.9	131.0	24.91	6.258		
7,500.0	7,304.5	7,422.6	7,295.5	25.0	24.7	136.55	-557.3	1,228.3	213.1	189.3	23.83	8.944		
7,600.0	7,359.1	7,477.3	7,350.1	25.0	24.7	143.06	-557.3	1,228.3	289.1	267.3	21.84	13.237		
7,700.0	7,398.8	7,516.9	7,389.8	24.9	24.8	143.94	-557.3	1,228.3	377.2	356.6	20.54	18.362		
7,800.0	7,422.3	7,540.4	7,413.3	24.9	24.8	134.92	-557.3	1,228.3	472.6	449.4	23.10	20.455		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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)	+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	57.90	193.1	307.8	363.4					
100.0	100.0	87.8	87.8	0.1	0.1	57.91	193.2	308.2	363.8	363.5	0.28	1,319.817		
200.0	200.0	184.2	184.2	0.3	0.3	58.00	193.4	309.5	365.0	364.4	0.62	589.483		
300.0	300.0	281.4	281.3	0.5	0.5	58.43	192.1	312.7	367.1	366.2	0.96	380.995		
400.0	400.0	373.6	373.3	0.7	0.7	59.26	189.3	318.4	370.8	369.5	1.30	285.255		
500.0	500.0	468.6	467.8	0.8	0.9	60.49	185.1	327.0	376.5	374.9	1.64	229.389		
600.0	600.0	562.3	560.8	1.0	1.2	-56.30	179.1	337.5	383.2	381.0	2.12	180.460		
700.0	700.0	653.0	650.2	1.2	1.5	-54.60	171.9	350.5	391.3	388.8	2.55	153.174		
800.0	799.9	743.1	738.5	1.4	1.8	-52.78	163.3	366.2	401.0	398.0	3.01	133.429		
900.0	899.8	831.9	825.1	1.6	2.2	-51.11	154.9	383.8	412.4	409.0	3.46	119.211		
1,000.0	999.5	924.1	914.6	1.8	2.6	-49.55	146.4	404.0	425.0	421.1	3.94	107.914		
1,100.0	1,099.2	1,014.3	1,001.6	2.0	3.1	-47.97	136.5	425.6	438.2	433.7	4.44	98.593		
1,200.0	1,198.6	1,098.5	1,081.9	2.2	3.6	-46.34	125.4	448.8	453.2	448.2	4.95	91.485		
1,300.0	1,297.9	1,182.3	1,160.7	2.4	4.1	-44.72	113.7	474.6	470.5	465.0	5.47	85.948		
1,400.0	1,396.9	1,268.7	1,241.0	2.7	4.7	-43.11	100.9	503.7	489.5	483.5	6.02	81.351 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Hwy 52 4N-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 4N-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)

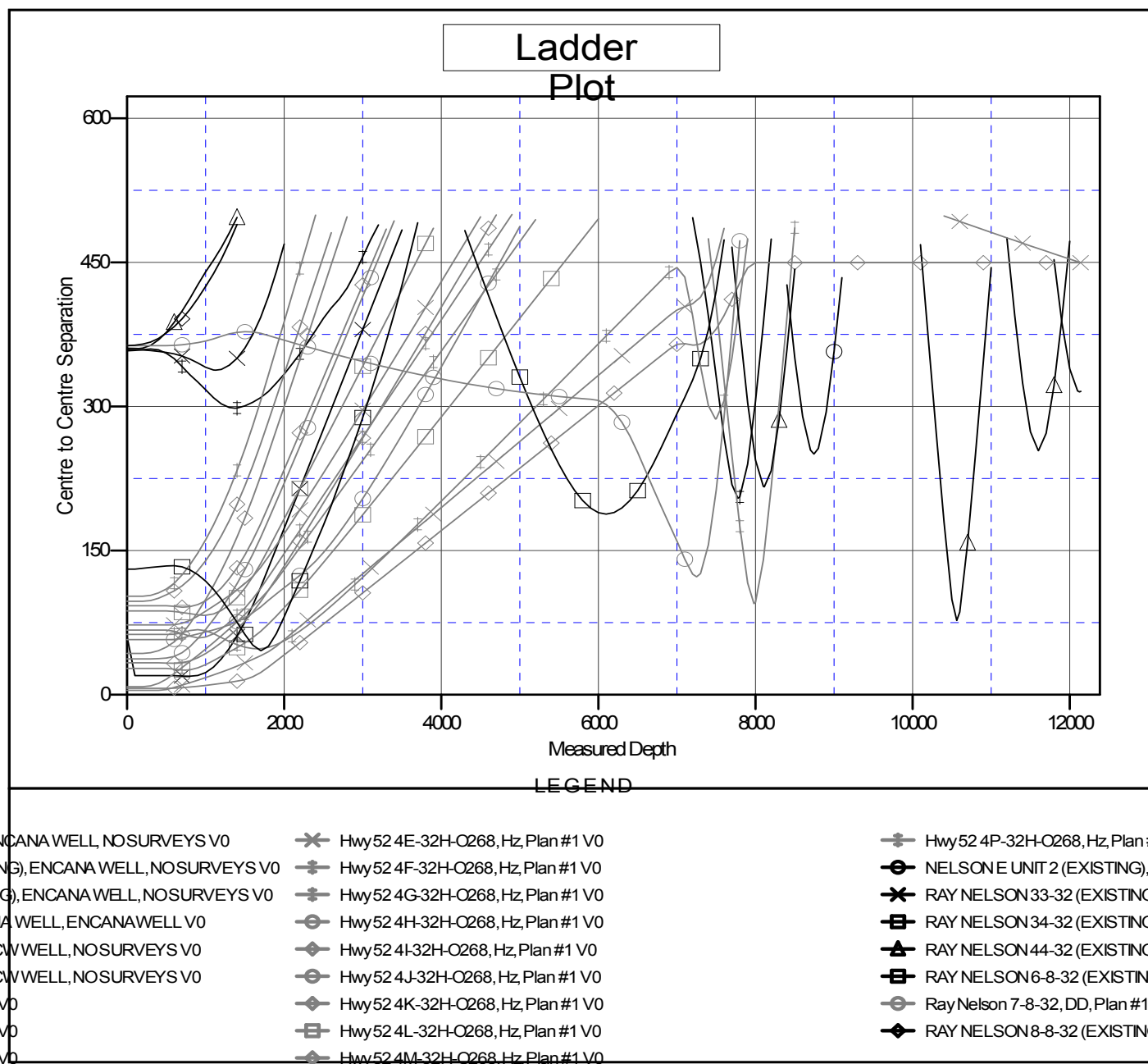
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Hwy 52 4N-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