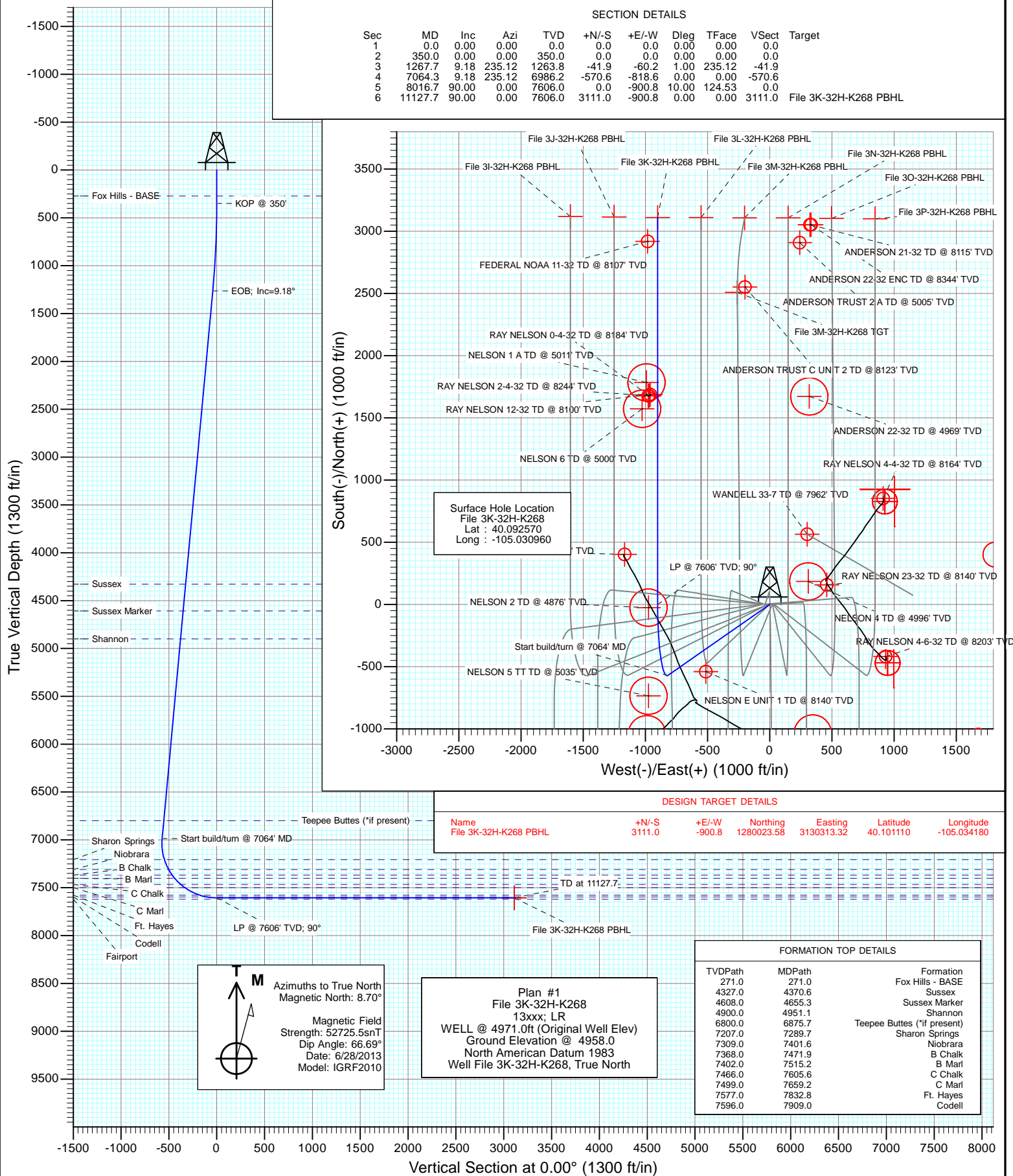




Project: DJ Wattenberg  
Site: S32-T2N-R68W (File)  
Well: File 3K-32H-K268  
Wellbore: Hz  
Design: Plan #1



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File)	<b>North Reference:</b>	True
<b>Well:</b>	File 3K-32H-K268	<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)			
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	File 3K-32H-K268					
Well Position	+N/-S	0.0 ft	Northing:	1,276,917.43 ft	Latitude:	40.092570
	+E/-W	0.0 ft	Easting:	3,131,230.53 ft	Longitude:	-105.030960
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,958.0 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	6/28/2013	8.71	66.69	52,726

<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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,267.7	9.18	235.12	1,263.8	-41.9	-60.2	1.00	1.00	0.00	235.12	
7,064.3	9.18	235.12	6,986.2	-570.6	-818.6	0.00	0.00	0.00	0.00	
8,016.7	90.00	0.00	7,606.0	0.0	-900.8	10.00	8.49	13.11	124.53	
11,127.7	90.00	0.00	7,606.0	3,111.0	-900.8	0.00	0.00	0.00	0.00	File 3K-32H-K268 PB

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File)	<b>North Reference:</b>	True
<b>Well:</b>	File 3K-32H-K268	<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	
271.0	0.00	0.00	271.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	KOP @ 350'
400.0	0.50	235.12	400.0	-0.1	-0.2	-0.1	1.00	1.00	
500.0	1.50	235.12	500.0	-1.1	-1.6	-1.1	1.00	1.00	
600.0	2.50	235.12	599.9	-3.1	-4.5	-3.1	1.00	1.00	
700.0	3.50	235.12	699.8	-6.1	-8.8	-6.1	1.00	1.00	
800.0	4.50	235.12	799.5	-10.1	-14.5	-10.1	1.00	1.00	
900.0	5.50	235.12	899.2	-15.1	-21.6	-15.1	1.00	1.00	
1,000.0	6.50	235.12	998.6	-21.1	-30.2	-21.1	1.00	1.00	
1,100.0	7.50	235.12	1,097.9	-28.0	-40.2	-28.0	1.00	1.00	
1,200.0	8.50	235.12	1,196.9	-36.0	-51.6	-36.0	1.00	1.00	
1,267.7	9.18	235.12	1,263.8	-41.9	-60.2	-41.9	1.00	1.00	EOB; Inc=9.18°
1,300.0	9.18	235.12	1,295.7	-44.9	-64.4	-44.9	0.00	0.00	
1,400.0	9.18	235.12	1,394.4	-54.0	-77.5	-54.0	0.00	0.00	
1,500.0	9.18	235.12	1,493.1	-63.1	-90.6	-63.1	0.00	0.00	
1,600.0	9.18	235.12	1,591.8	-72.2	-103.6	-72.2	0.00	0.00	
1,700.0	9.18	235.12	1,690.5	-81.4	-116.7	-81.4	0.00	0.00	
1,800.0	9.18	235.12	1,789.3	-90.5	-129.8	-90.5	0.00	0.00	
1,900.0	9.18	235.12	1,888.0	-99.6	-142.9	-99.6	0.00	0.00	
2,000.0	9.18	235.12	1,986.7	-108.7	-156.0	-108.7	0.00	0.00	
2,100.0	9.18	235.12	2,085.4	-117.8	-169.1	-117.8	0.00	0.00	
2,200.0	9.18	235.12	2,184.1	-127.0	-182.1	-127.0	0.00	0.00	
2,300.0	9.18	235.12	2,282.9	-136.1	-195.2	-136.1	0.00	0.00	
2,400.0	9.18	235.12	2,381.6	-145.2	-208.3	-145.2	0.00	0.00	
2,500.0	9.18	235.12	2,480.3	-154.3	-221.4	-154.3	0.00	0.00	
2,600.0	9.18	235.12	2,579.0	-163.4	-234.5	-163.4	0.00	0.00	
2,700.0	9.18	235.12	2,677.7	-172.6	-247.6	-172.6	0.00	0.00	
2,800.0	9.18	235.12	2,776.5	-181.7	-260.7	-181.7	0.00	0.00	
2,900.0	9.18	235.12	2,875.2	-190.8	-273.7	-190.8	0.00	0.00	
3,000.0	9.18	235.12	2,973.9	-199.9	-286.8	-199.9	0.00	0.00	
3,100.0	9.18	235.12	3,072.6	-209.0	-299.9	-209.0	0.00	0.00	
3,200.0	9.18	235.12	3,171.3	-218.2	-313.0	-218.2	0.00	0.00	
3,300.0	9.18	235.12	3,270.1	-227.3	-326.1	-227.3	0.00	0.00	
3,400.0	9.18	235.12	3,368.8	-236.4	-339.2	-236.4	0.00	0.00	
3,500.0	9.18	235.12	3,467.5	-245.5	-352.2	-245.5	0.00	0.00	
3,600.0	9.18	235.12	3,566.2	-254.6	-365.3	-254.6	0.00	0.00	
3,700.0	9.18	235.12	3,664.9	-263.8	-378.4	-263.8	0.00	0.00	
3,800.0	9.18	235.12	3,763.7	-272.9	-391.5	-272.9	0.00	0.00	
3,900.0	9.18	235.12	3,862.4	-282.0	-404.6	-282.0	0.00	0.00	
4,000.0	9.18	235.12	3,961.1	-291.1	-417.7	-291.1	0.00	0.00	
4,100.0	9.18	235.12	4,059.8	-300.3	-430.7	-300.3	0.00	0.00	
4,200.0	9.18	235.12	4,158.5	-309.4	-443.8	-309.4	0.00	0.00	
4,300.0	9.18	235.12	4,257.3	-318.5	-456.9	-318.5	0.00	0.00	
4,370.6	9.18	235.12	4,327.0	-324.9	-466.2	-324.9	0.00	0.00	Sussex
4,400.0	9.18	235.12	4,356.0	-327.6	-470.0	-327.6	0.00	0.00	
4,500.0	9.18	235.12	4,454.7	-336.7	-483.1	-336.7	0.00	0.00	
4,600.0	9.18	235.12	4,553.4	-345.9	-496.2	-345.9	0.00	0.00	
4,655.3	9.18	235.12	4,608.0	-350.9	-503.4	-350.9	0.00	0.00	Sussex Marker

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File)	<b>North Reference:</b>	True
<b>Well:</b>	File 3K-32H-K268	<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
4,700.0	9.18	235.12	4,652.1	-355.0	-509.3	-355.0	0.00	0.00	
4,800.0	9.18	235.12	4,750.9	-364.1	-522.3	-364.1	0.00	0.00	
4,900.0	9.18	235.12	4,849.6	-373.2	-535.4	-373.2	0.00	0.00	
4,951.1	9.18	235.12	4,900.0	-377.9	-542.1	-377.9	0.00	0.00	Shannon
5,000.0	9.18	235.12	4,948.3	-382.3	-548.5	-382.3	0.00	0.00	
5,100.0	9.18	235.12	5,047.0	-391.5	-561.6	-391.5	0.00	0.00	
5,200.0	9.18	235.12	5,145.7	-400.6	-574.7	-400.6	0.00	0.00	
5,300.0	9.18	235.12	5,244.5	-409.7	-587.8	-409.7	0.00	0.00	
5,400.0	9.18	235.12	5,343.2	-418.8	-600.8	-418.8	0.00	0.00	
5,500.0	9.18	235.12	5,441.9	-427.9	-613.9	-427.9	0.00	0.00	
5,600.0	9.18	235.12	5,540.6	-437.1	-627.0	-437.1	0.00	0.00	
5,700.0	9.18	235.12	5,639.3	-446.2	-640.1	-446.2	0.00	0.00	
5,800.0	9.18	235.12	5,738.1	-455.3	-653.2	-455.3	0.00	0.00	
5,900.0	9.18	235.12	5,836.8	-464.4	-666.3	-464.4	0.00	0.00	
6,000.0	9.18	235.12	5,935.5	-473.5	-679.4	-473.5	0.00	0.00	
6,100.0	9.18	235.12	6,034.2	-482.7	-692.4	-482.7	0.00	0.00	
6,200.0	9.18	235.12	6,132.9	-491.8	-705.5	-491.8	0.00	0.00	
6,300.0	9.18	235.12	6,231.7	-500.9	-718.6	-500.9	0.00	0.00	
6,400.0	9.18	235.12	6,330.4	-510.0	-731.7	-510.0	0.00	0.00	
6,500.0	9.18	235.12	6,429.1	-519.1	-744.8	-519.1	0.00	0.00	
6,600.0	9.18	235.12	6,527.8	-528.3	-757.9	-528.3	0.00	0.00	
6,700.0	9.18	235.12	6,626.5	-537.4	-770.9	-537.4	0.00	0.00	
6,800.0	9.18	235.12	6,725.3	-546.5	-784.0	-546.5	0.00	0.00	
6,875.7	9.18	235.12	6,800.0	-553.4	-793.9	-553.4	0.00	0.00	Teepee Buttes (*if present)
6,900.0	9.18	235.12	6,824.0	-555.6	-797.1	-555.6	0.00	0.00	
7,000.0	9.18	235.12	6,922.7	-564.7	-810.2	-564.7	0.00	0.00	
7,064.3	9.18	235.12	6,986.2	-570.6	-818.6	-570.6	0.00	0.00	Start build/turn @ 7064' MD
7,100.0	7.73	257.52	7,021.5	-572.8	-823.3	-572.8	10.00	-4.06	
7,200.0	11.23	318.11	7,120.3	-566.9	-836.4	-566.9	10.00	3.50	
7,289.7	18.84	337.14	7,207.0	-547.0	-847.9	-547.0	10.00	8.48	Sharon Springs
7,300.0	19.78	338.37	7,216.7	-543.9	-849.2	-543.9	10.00	9.18	
7,400.0	29.24	346.31	7,307.6	-504.3	-861.2	-504.3	10.00	9.46	
7,401.6	29.40	346.39	7,309.0	-503.6	-861.4	-503.6	10.00	9.63	Niobrara
7,471.9	36.21	349.57	7,368.0	-466.4	-869.2	-466.4	10.00	9.70	B Chalk
7,500.0	38.96	350.57	7,390.3	-449.5	-872.2	-449.5	10.00	9.76	
7,515.2	40.45	351.06	7,402.0	-439.9	-873.7	-439.9	10.00	9.79	B Marl
7,600.0	48.77	353.33	7,462.3	-380.9	-881.7	-380.9	10.00	9.82	
7,605.6	49.33	353.46	7,466.0	-376.7	-882.2	-376.7	10.00	9.85	C Chalk
7,659.2	54.61	354.60	7,499.0	-334.8	-886.6	-334.8	10.00	9.86	C Marl
7,700.0	58.64	355.37	7,521.4	-300.8	-889.6	-300.8	10.00	9.88	
7,800.0	68.53	357.01	7,565.9	-211.6	-895.4	-211.6	10.00	9.89	
7,832.8	71.78	357.50	7,577.0	-180.8	-896.9	-180.8	10.00	9.90	Ft. Hayes
7,900.0	78.44	358.45	7,594.3	-115.9	-899.2	-115.9	10.00	9.91	
7,909.0	79.33	358.57	7,596.0	-107.1	-899.4	-107.1	10.00	9.91	Codell
8,000.0	88.35	359.78	7,605.8	-16.7	-900.7	-16.7	10.00	9.91	
8,016.7	90.00	0.00	7,606.0	0.0	-900.8	0.0	10.00	9.91	LP @ 7606' TVD; 90°
8,100.0	90.00	0.00	7,606.0	83.3	-900.8	83.3	0.00	0.00	
8,200.0	90.00	0.00	7,606.0	183.3	-900.8	183.3	0.00	0.00	
8,300.0	90.00	0.00	7,606.0	283.3	-900.8	283.3	0.00	0.00	
8,400.0	90.00	0.00	7,606.0	383.3	-900.8	383.3	0.00	0.00	
8,500.0	90.00	0.00	7,606.0	483.3	-900.8	483.3	0.00	0.00	
8,600.0	90.00	0.00	7,606.0	583.3	-900.8	583.3	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File)	<b>North Reference:</b>	True
<b>Well:</b>	File 3K-32H-K268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
8,700.0	90.00	0.00	7,606.0	683.3	-900.8	683.3	0.00	0.00	
8,800.0	90.00	0.00	7,606.0	783.3	-900.8	783.3	0.00	0.00	
8,900.0	90.00	0.00	7,606.0	883.3	-900.8	883.3	0.00	0.00	
9,000.0	90.00	0.00	7,606.0	983.3	-900.8	983.3	0.00	0.00	
9,100.0	90.00	0.00	7,606.0	1,083.3	-900.8	1,083.3	0.00	0.00	
9,200.0	90.00	0.00	7,606.0	1,183.3	-900.8	1,183.3	0.00	0.00	
9,300.0	90.00	0.00	7,606.0	1,283.3	-900.8	1,283.3	0.00	0.00	
9,400.0	90.00	0.00	7,606.0	1,383.3	-900.8	1,383.3	0.00	0.00	
9,500.0	90.00	0.00	7,606.0	1,483.3	-900.8	1,483.3	0.00	0.00	
9,600.0	90.00	0.00	7,606.0	1,583.3	-900.8	1,583.3	0.00	0.00	
9,700.0	90.00	0.00	7,606.0	1,683.3	-900.8	1,683.3	0.00	0.00	
9,800.0	90.00	0.00	7,606.0	1,783.3	-900.8	1,783.3	0.00	0.00	
9,900.0	90.00	0.00	7,606.0	1,883.3	-900.8	1,883.3	0.00	0.00	
10,000.0	90.00	0.00	7,606.0	1,983.3	-900.8	1,983.3	0.00	0.00	
10,100.0	90.00	0.00	7,606.0	2,083.3	-900.8	2,083.3	0.00	0.00	
10,200.0	90.00	0.00	7,606.0	2,183.3	-900.8	2,183.3	0.00	0.00	
10,300.0	90.00	0.00	7,606.0	2,283.3	-900.8	2,283.3	0.00	0.00	
10,400.0	90.00	0.00	7,606.0	2,383.3	-900.8	2,383.3	0.00	0.00	
10,500.0	90.00	0.00	7,606.0	2,483.3	-900.8	2,483.3	0.00	0.00	
10,600.0	90.00	0.00	7,606.0	2,583.3	-900.8	2,583.3	0.00	0.00	
10,700.0	90.00	0.00	7,606.0	2,683.3	-900.8	2,683.3	0.00	0.00	
10,800.0	90.00	0.00	7,606.0	2,783.3	-900.8	2,783.3	0.00	0.00	
10,900.0	90.00	0.00	7,606.0	2,883.3	-900.8	2,883.3	0.00	0.00	
11,000.0	90.00	0.00	7,606.0	2,983.3	-900.8	2,983.3	0.00	0.00	
11,100.0	90.00	0.00	7,606.0	3,083.3	-900.8	3,083.3	0.00	0.00	
11,127.7	90.00	0.00	7,606.0	3,111.0	-900.8	3,111.0	0.00	0.00	TD at 11127.7

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
File 3K-32H-K268 PBHL - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	7,606.0	3,111.0	-900.8	1,280,023.58	3,130,313.32	40.101110	-105.034180

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site:</b>	S32-T2N-R68W (File)	<b>North Reference:</b>	True
<b>Well:</b>	File 3K-32H-K268	<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 (°)	
271.0	271.0	Fox Hills - BASE				
4,370.6	4,327.0	Sussex				
4,655.3	4,608.0	Sussex Marker				
4,951.1	4,900.0	Shannon				
6,875.7	6,800.0	Teepee Buttes (*if present)				
7,289.7	7,207.0	Sharon Springs				
7,401.6	7,309.0	Niobrara				
7,471.9	7,368.0	B Chalk				
7,515.2	7,402.0	B Marl				
7,605.6	7,466.0	C Chalk				
7,659.2	7,499.0	C Marl				
7,832.8	7,577.0	Ft. Hayes				
7,909.0	7,596.0	Codell				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
350.0	350.0	0.0	0.0	KOP @ 350'	
1,267.7	1,263.8	-41.9	-60.2	EOB; Inc=9.18°	
7,064.3	6,986.2	-570.6	-818.6	Start build/turn @ 7064' MD	
8,016.7	7,606.0	0.0	-900.8	LP @ 7606' TVD; 90°	
11,127.7	7,606.0	3,111.0	-900.8	TD at 11127.7	

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

**DJ Wattenberg**

**S32-T2N-R68W (File)**

**File 3K-32H-K268**

**Hz**

**Plan #1**

## **Anticollision Report**

**28 June, 2013**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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>	6/28/2013		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	11,127.7	Plan #1 (Hz)	Geolink MWD	Geolink MWD	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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)						
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 TRUST 2 A (EXISTING) - ENCANA WELL -						Out of range
ANDERSON TRUST C UNIT 2 (EXISTING) - ENCANA W						Out of range
BROWN 22-5 (EXISTING) - ENCANA WELL - NO SURV						Out of range
BROWN 31-5 (EXISTING) - ENCANA WELL - SURVEYS						Out of range
BROWN 41-5 (EXISTING) - ENCANA WELL - Plan #2						Out of range
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 2 (EXISTING) - ENCANA WELL - NO S						Out of range
FEDERAL NOAA 11-32 (EXISTING) - ENCANA WELL - N	10,935.3	7,509.0	80.3	12.4	1.183	Level 2, CC, ES, SF
File 3A-32H-K268 - Hz - Plan #1	200.0	199.0	72.7	72.1	111.736	CC, ES
File 3A-32H-K268 - Hz - Plan #1	1,600.0	1,573.7	144.4	138.0	22.376	SF
File 3B-32H-K268 - Hz - Plan #1	300.0	299.0	67.2	66.2	67.239	CC, ES
File 3B-32H-K268 - Hz - Plan #1	7,879.5	7,710.5	471.7	444.0	17.007	SF
File 3C-32H-K268 - Hz - Plan #1	660.7	657.0	60.4	58.1	26.700	CC
File 3C-32H-K268 - Hz - Plan #1	800.0	794.9	60.7	58.0	21.978	ES
File 3C-32H-K268 - Hz - Plan #1	7,200.0	7,327.1	362.7	324.0	9.356	SF
File 3D-32H-K268 - Hz - Plan #1	777.5	773.7	51.3	48.6	19.087	CC
File 3D-32H-K268 - Hz - Plan #1	800.0	796.0	51.3	48.5	18.524	ES
File 3D-32H-K268 - Hz - Plan #1	7,768.0	7,749.8	104.0	75.8	3.678	SF
File 3E-32H-K268 - Hz - Plan #1	844.1	842.2	32.5	29.5	11.019	CC, ES
File 3E-32H-K268 - Hz - Plan #1	1,100.0	1,096.8	38.9	34.9	9.658	SF
File 3F-32H-K268 - Hz - Plan #1	914.2	913.3	23.8	20.5	7.330	CC, ES
File 3F-32H-K268 - Hz - Plan #1	1,000.0	998.6	25.5	21.9	7.119	SF
File 3G-32H-K268 - Hz - Plan #1	829.5	829.3	13.0	10.0	4.435	CC, ES, SF
File 3H-32H-K268 - Hz - Plan #1	715.4	715.6	11.9	9.4	4.754	CC, ES, SF
File 3I-32H-K268 - Hz - Plan #1	200.0	200.0	11.2	10.5	17.144	CC, ES
File 3I-32H-K268 - Hz - Plan #1	1,300.0	1,294.9	44.9	40.0	9.152	SF
File 3J-32H-K268 - Hz - Plan #1	234.8	234.8	6.7	5.9	8.624	CC
File 3J-32H-K268 - Hz - Plan #1	300.0	300.0	6.8	5.8	6.777	ES
File 3J-32H-K268 - Hz - Plan #1	11,127.7	10,952.7	417.4	318.4	4.215	SF
File 3L-32H-K268 - Hz - Plan #1	300.0	300.0	4.6	3.6	4.585	CC
File 3L-32H-K268 - Hz - Plan #1	400.0	400.0	4.8	3.5	3.554	ES
File 3L-32H-K268 - Hz - Plan #1	700.0	700.3	7.5	5.1	3.107	SF
File 3M-32H-K268 - Hz - Plan #1	400.0	400.2	18.9	17.5	13.903	CC, ES
File 3M-32H-K268 - Hz - Plan #1	700.0	699.8	25.6	23.1	10.245	SF
File 3N-32H-K268 - Hz - Plan #1	300.0	300.0	22.7	21.7	22.635	CC
File 3N-32H-K268 - Hz - Plan #1	400.0	400.0	22.9	21.6	16.957	ES
File 3N-32H-K268 - Hz - Plan #1	600.0	599.7	28.4	26.3	13.752	SF
File 3O-32H-K268 - Hz - Plan #1	233.6	233.6	28.0	27.2	36.332	CC
File 3O-32H-K268 - Hz - Plan #1	300.0	299.9	28.1	27.1	28.063	ES
File 3O-32H-K268 - Hz - Plan #1	600.0	598.5	39.2	37.1	19.010	SF
File 3P-32H-K268 - Hz - Plan #1	200.0	200.0	33.8	33.1	51.735	CC, ES
File 3P-32H-K268 - Hz - Plan #1	600.0	597.5	49.1	47.0	23.797	SF
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
LAURIE 32-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NATALIE 33-5 (EXISTING) - KPK WELL - NO SURVEYS						Out of range
NELSON 1 A (EXISTING) - TEXAS TEA WELL - NO SUR						Out of range
NELSON 2 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S32-T2N-R68W (File)						
NELSON 3 (EXISTING) - TEXAS TEA WELL - NO SURV						Out of range
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	300.0	299.0	361.9	360.9	354.257	CC
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	400.0	399.0	362.1	360.7	264.279	ES
NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURV	1,600.0	1,590.8	488.0	482.5	88.485	SF
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	5,385.6	5,318.0	149.1	123.9	5.897	CC
NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S	5,400.0	5,332.2	149.2	123.8	5.881	ES
NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO S	5,500.0	5,430.9	150.3	124.5	5.827	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	9,693.8	7,583.0	68.9	21.5	1.454	Level 3, CC, ES, SF
RAY NELSON 12-32 (EXISTING) - ENCANA WELL - NO	9,704.4	7,520.0	59.6	12.2	1.258	Level 3, CC, ES, SF
RAY NELSON 13-32 (EXISTING) - ENCANA WELL - SU	8,405.4	7,765.4	273.2	232.6	6.727	CC, ES, SF
RAY NELSON 14-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO	300.0	203.0	485.4	484.6	567.500	CC
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO	400.0	303.0	485.7	484.4	403.217	ES
RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO	700.0	602.8	495.7	493.5	220.230	SF
RAY NELSON 24-32 (EXISTING) - ENCANA WELL - SU						Out of range
RAY NELSON 2-4-32 (EXISTING) - ENCANA WELL - NO	9,693.8	7,583.0	75.3	27.9	1.590	CC, ES, SF
Ray Nelson 33-32 - DD - Plan #1						Out of range
Ray Nelson 34-32 - DD - Plan #2						Out of range
Ray Nelson 44-32 - DD - Plan #2						Out of range
RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SU	124.9	127.9	488.9	488.5	1,244.949	CC, ES
RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SU	400.0	366.0	498.2	496.8	378.902	SF
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU	190.2	193.2	489.1	488.5	789.984	CC
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU	200.0	202.1	489.1	488.5	750.319	ES
RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SU	500.0	482.2	496.9	495.1	278.414	SF
Ray Nelson 7-8-32 - DD - Plan #1						Out of range
Ray Nelson 8-8-32 - DD - Plan #2						Out of range
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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - FEDERAL NOAA 11-32 (EXISTING) - ENCANA WELL - NO SURVEYS			Offset Site Error:		0.0 ft
Survey Program:											8107-Geolink MWD			Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor				
10,500.0	7,606.0	7,509.0	7,509.0	50.0	13.1	-90.00	2,918.6	-981.1	442.7	382.2	60.50	7.316				
10,600.0	7,606.0	7,509.0	7,509.0	51.6	13.1	-90.00	2,918.6	-981.1	344.8	282.6	62.18	5.545				
10,700.0	7,606.0	7,509.0	7,509.0	53.2	13.1	-90.00	2,918.6	-981.1	248.6	184.8	63.87	3.893				
10,800.0	7,606.0	7,509.0	7,509.0	54.8	13.1	-90.00	2,918.6	-981.1	157.3	91.8	65.56	2.400				
10,900.0	7,606.0	7,509.0	7,509.0	56.4	13.1	-90.00	2,918.6	-981.1	87.7	20.5	67.25	1.304	Level 3			
10,935.3	7,606.0	7,509.0	7,509.0	57.0	13.1	-90.00	2,918.6	-981.1	80.3	12.4	67.85	1.183	Level 2, CC, ES, SF			
11,000.0	7,606.0	7,509.0	7,509.0	58.0	13.1	-90.00	2,918.6	-981.1	103.1	34.2	68.95	1.495	Level 3			
11,100.0	7,606.0	7,509.0	7,509.0	59.7	13.1	-90.00	2,918.6	-981.1	183.2	112.6	70.65	2.593				
11,127.7	7,606.0	7,509.0	7,509.0	60.1	13.1	-90.00	2,918.6	-981.1	208.4	137.3	71.12	2.931				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3A-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-72.7	72.7					
100.0	100.0	99.0	99.0	0.2	0.2	-90.00	0.0	-72.7	72.7	72.4	0.30	240.730		
200.0	200.0	199.0	199.0	0.3	0.3	-90.00	0.0	-72.7	72.7	72.1	0.65	111.736 CC, ES		
300.0	300.0	297.8	297.8	0.5	0.5	-90.08	-0.1	-73.6	73.6	72.6	1.00	73.696		
400.0	400.0	396.5	396.4	0.7	0.7	34.64	-0.4	-76.1	75.9	74.6	1.34	56.474		
500.0	500.0	495.1	495.0	0.9	0.9	34.95	-1.0	-80.3	78.8	77.1	1.69	46.548		
600.0	599.9	593.7	593.4	1.0	1.1	35.77	-1.7	-86.1	81.9	79.8	2.04	40.107		
700.0	699.8	692.2	691.6	1.2	1.3	37.04	-2.7	-93.7	85.3	82.9	2.39	35.620		
800.0	799.5	790.6	789.6	1.4	1.5	38.68	-3.9	-102.9	89.1	86.3	2.76	32.334		
900.0	899.2	888.9	887.3	1.6	1.7	40.64	-5.3	-113.8	93.3	90.2	3.13	29.829		
1,000.0	998.6	987.2	984.7	1.9	2.0	42.84	-6.9	-126.3	98.0	94.4	3.52	27.851		
1,100.0	1,097.9	1,085.3	1,081.8	2.1	2.3	45.21	-8.8	-140.4	103.2	99.2	3.93	26.236		
1,200.0	1,196.9	1,183.3	1,178.5	2.4	2.6	47.70	-10.8	-156.2	109.0	104.6	4.38	24.874		
1,300.0	1,295.7	1,281.2	1,274.8	2.7	3.0	50.24	-13.1	-173.6	115.5	110.6	4.87	23.721		
1,400.0	1,394.4	1,378.9	1,370.6	3.0	3.3	52.34	-15.5	-192.6	123.5	118.1	5.38	22.945		
1,500.0	1,493.1	1,476.4	1,465.9	3.3	3.7	53.86	-18.2	-213.2	133.2	127.3	5.91	22.522		
1,600.0	1,591.8	1,573.7	1,560.5	3.6	4.1	54.86	-21.1	-235.3	144.4	138.0	6.45	22.376 SF		
1,700.0	1,690.5	1,670.9	1,654.8	3.9	4.6	55.42	-24.1	-258.9	157.2	150.2	7.00	22.453		
1,800.0	1,789.3	1,770.1	1,750.8	4.3	5.0	55.82	-27.3	-283.6	170.5	162.9	7.56	22.560		
1,900.0	1,888.0	1,869.2	1,846.7	4.6	5.5	56.16	-30.5	-308.3	183.7	175.6	8.12	22.637		
2,000.0	1,986.7	1,968.3	1,942.6	4.9	6.0	56.45	-33.7	-333.0	197.0	188.4	8.68	22.692		
2,100.0	2,085.4	2,067.4	2,038.6	5.2	6.4	56.71	-36.9	-357.7	210.3	201.1	9.25	22.731		
2,200.0	2,184.1	2,166.5	2,134.5	5.6	6.9	56.93	-40.1	-382.4	223.6	213.8	9.83	22.757		
2,300.0	2,282.9	2,265.6	2,230.4	5.9	7.4	57.13	-43.3	-407.1	236.9	226.5	10.40	22.775		
2,400.0	2,381.6	2,364.7	2,326.3	6.2	7.8	57.31	-46.5	-431.8	250.2	239.3	10.98	22.785		
2,500.0	2,480.3	2,463.8	2,422.3	6.5	8.3	57.47	-49.7	-456.5	263.6	252.0	11.56	22.791		
2,600.0	2,579.0	2,562.9	2,518.2	6.9	8.8	57.62	-52.9	-481.2	276.9	264.7	12.15	22.793		
2,700.0	2,677.7	2,662.0	2,614.1	7.2	9.3	57.75	-56.1	-505.9	290.2	277.4	12.73	22.792		
2,800.0	2,776.5	2,761.1	2,710.1	7.5	9.7	57.87	-59.3	-530.6	303.5	290.2	13.32	22.789		
2,900.0	2,875.2	2,860.2	2,806.0	7.8	10.2	57.98	-62.6	-555.3	316.8	302.9	13.90	22.784		
3,000.0	2,973.9	2,959.3	2,901.9	8.2	10.7	58.08	-65.8	-580.0	330.1	315.6	14.49	22.779		
3,100.0	3,072.6	3,058.5	2,997.8	8.5	11.2	58.17	-69.0	-604.7	343.4	328.4	15.08	22.772		
3,200.0	3,171.3	3,157.6	3,093.8	8.8	11.6	58.26	-72.2	-629.4	356.8	341.1	15.67	22.764		
3,300.0	3,270.1	3,256.7	3,189.7	9.1	12.1	58.34	-75.4	-654.1	370.1	353.8	16.26	22.757		
3,400.0	3,368.8	3,355.8	3,285.6	9.5	12.6	58.41	-78.6	-678.8	383.4	366.5	16.85	22.748		
3,500.0	3,467.5	3,454.9	3,381.6	9.8	13.1	58.48	-81.8	-703.4	396.7	379.3	17.45	22.740		
3,600.0	3,566.2	3,554.0	3,477.5	10.1	13.5	58.55	-85.0	-728.1	410.0	392.0	18.04	22.731		
3,700.0	3,664.9	3,653.1	3,573.4	10.5	14.0	58.61	-88.2	-752.8	423.4	404.7	18.63	22.723		
3,800.0	3,763.7	3,752.2	3,669.3	10.8	14.5	58.67	-91.4	-777.5	436.7	417.5	19.22	22.714		
3,900.0	3,862.4	3,851.3	3,765.3	11.1	15.0	58.72	-94.6	-802.2	450.0	430.2	19.82	22.706		
4,000.0	3,961.1	3,950.4	3,861.2	11.4	15.5	58.77	-97.8	-826.9	463.3	442.9	20.41	22.698		
4,100.0	4,059.8	4,049.5	3,957.1	11.8	15.9	58.82	-101.0	-851.6	476.6	455.6	21.01	22.689		
4,200.0	4,158.5	4,148.6	4,053.1	12.1	16.4	58.87	-104.2	-876.3	490.0	468.4	21.60	22.681		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3B-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-86.89	3.6	-67.1	67.3					
100.0	100.0	99.0	99.0	0.2	0.2	-86.89	3.6	-67.1	67.2	66.9	0.30	222.539		
200.0	200.0	199.0	199.0	0.3	0.3	-86.89	3.6	-67.1	67.2	66.6	0.65	103.293		
300.0	300.0	299.0	299.0	0.5	0.5	-86.89	3.6	-67.1	67.2	66.2	1.00	67.239 CC, ES		
400.0	400.0	397.8	397.8	0.7	0.7	38.12	3.7	-68.0	67.9	66.6	1.35	50.417		
500.0	500.0	496.6	496.6	0.9	0.8	39.07	4.0	-70.5	69.1	67.4	1.69	40.789		
600.0	599.9	595.4	595.3	1.0	1.0	40.89	4.4	-74.7	70.7	68.7	2.04	34.607		
700.0	699.8	694.1	693.8	1.2	1.2	43.48	4.9	-80.6	72.9	70.5	2.40	30.388		
800.0	799.5	792.7	792.1	1.4	1.4	46.71	5.6	-88.2	75.7	72.9	2.76	27.404		
900.0	899.2	891.2	890.1	1.6	1.7	50.44	6.5	-97.5	79.3	76.1	3.14	25.248		
1,000.0	998.6	989.5	987.9	1.9	1.9	54.49	7.5	-108.4	83.8	80.3	3.54	23.670		
1,100.0	1,097.9	1,087.7	1,085.3	2.1	2.2	58.69	8.7	-121.0	89.5	85.5	3.98	22.503		
1,200.0	1,196.9	1,185.8	1,182.3	2.4	2.4	62.87	10.0	-135.2	96.3	91.9	4.45	21.630		
1,300.0	1,295.7	1,283.6	1,278.8	2.7	2.8	66.89	11.5	-151.0	104.5	99.6	4.98	21.001		
1,400.0	1,394.4	1,381.3	1,374.9	3.0	3.1	70.11	13.1	-168.4	114.5	109.0	5.53	20.706		
1,500.0	1,493.1	1,480.1	1,471.8	3.3	3.4	72.53	14.9	-187.3	125.9	119.8	6.10	20.620		
1,600.0	1,591.8	1,579.3	1,569.2	3.6	3.8	74.55	16.6	-206.2	137.4	130.7	6.69	20.533		
1,700.0	1,690.5	1,678.5	1,666.6	3.9	4.2	76.25	18.4	-225.2	149.2	141.9	7.30	20.445		
1,800.0	1,789.3	1,777.7	1,764.0	4.3	4.5	77.70	20.2	-244.2	161.0	153.1	7.91	20.361		
1,900.0	1,888.0	1,877.0	1,861.3	4.6	4.9	78.96	21.9	-263.2	172.9	164.4	8.52	20.282		
2,000.0	1,986.7	1,976.2	1,958.7	4.9	5.3	80.05	23.7	-282.1	184.9	175.7	9.15	20.208		
2,100.0	2,085.4	2,075.4	2,056.1	5.2	5.6	81.01	25.5	-301.1	196.9	187.1	9.78	20.140		
2,200.0	2,184.1	2,174.6	2,153.5	5.6	6.0	81.86	27.2	-320.1	209.0	198.6	10.41	20.077		
2,300.0	2,282.9	2,273.9	2,250.8	5.9	6.4	82.61	29.0	-339.0	221.1	210.1	11.05	20.020		
2,400.0	2,381.6	2,373.1	2,348.2	6.2	6.7	83.29	30.8	-358.0	233.3	221.6	11.68	19.967		
2,500.0	2,480.3	2,472.3	2,445.6	6.5	7.1	83.90	32.6	-377.0	245.5	233.2	12.32	19.919		
2,600.0	2,579.0	2,571.5	2,543.0	6.9	7.5	84.45	34.3	-396.0	257.7	244.8	12.97	19.875		
2,700.0	2,677.7	2,670.7	2,640.3	7.2	7.9	84.96	36.1	-414.9	270.0	256.3	13.61	19.834		
2,800.0	2,776.5	2,770.0	2,737.7	7.5	8.2	85.41	37.9	-433.9	282.2	268.0	14.26	19.796		
2,900.0	2,875.2	2,869.2	2,835.1	7.8	8.6	85.84	39.6	-452.9	294.5	279.6	14.90	19.761		
3,000.0	2,973.9	2,968.4	2,932.5	8.2	9.0	86.22	41.4	-471.9	306.8	291.2	15.55	19.729		
3,100.0	3,072.6	3,067.6	3,029.8	8.5	9.4	86.58	43.2	-490.8	319.1	302.9	16.20	19.699		
3,200.0	3,171.3	3,166.8	3,127.2	8.8	9.8	86.91	45.0	-509.8	331.4	314.6	16.85	19.672		
3,300.0	3,270.1	3,266.1	3,224.6	9.1	10.1	87.22	46.7	-528.8	343.7	326.2	17.50	19.646		
3,400.0	3,368.8	3,365.3	3,322.0	9.5	10.5	87.50	48.5	-547.7	356.1	337.9	18.15	19.622		
3,500.0	3,467.5	3,464.5	3,419.3	9.8	10.9	87.77	50.3	-566.7	368.4	349.6	18.80	19.599		
3,600.0	3,566.2	3,563.7	3,516.7	10.1	11.3	88.02	52.0	-585.7	380.7	361.3	19.45	19.578		
3,700.0	3,664.9	3,663.0	3,614.1	10.5	11.6	88.25	53.8	-604.7	393.1	373.0	20.10	19.558		
3,800.0	3,763.7	3,762.2	3,711.5	10.8	12.0	88.47	55.6	-623.6	405.5	384.7	20.75	19.540		
3,900.0	3,862.4	3,861.4	3,808.8	11.1	12.4	88.68	57.3	-642.6	417.8	396.4	21.40	19.522		
4,000.0	3,961.1	3,960.6	3,906.2	11.4	12.8	88.87	59.1	-661.6	430.2	408.1	22.05	19.506		
4,100.0	4,059.8	4,059.8	4,003.6	11.8	13.2	89.05	60.9	-680.5	442.6	419.9	22.71	19.490		
4,200.0	4,158.5	4,159.1	4,101.0	12.1	13.5	89.23	62.7	-699.5	455.0	431.6	23.36	19.475		
4,300.0	4,257.3	4,258.3	4,198.3	12.4	13.9	89.39	64.4	-718.5	467.3	443.3	24.01	19.462		
4,400.0	4,356.0	4,357.5	4,295.7	12.8	14.3	89.55	66.2	-737.5	479.7	455.1	24.67	19.448		
4,500.0	4,454.7	4,456.7	4,393.1	13.1	14.7	89.70	68.0	-756.4	492.1	466.8	25.32	19.436		
7,700.0	7,521.4	7,841.8	7,566.6	21.3	27.4	-88.89	-246.2	-1,374.8	490.5	462.6	27.90	17.579		
7,800.0	7,565.9	7,765.8	7,534.7	21.1	27.1	-83.99	-177.6	-1,368.5	475.3	447.4	27.92	17.025		
7,879.5	7,589.8	7,710.5	7,506.0	21.1	26.9	-79.59	-130.7	-1,362.9	471.7	444.0	27.73	17.007 SF		
7,900.0	7,594.3	7,696.8	7,498.2	21.1	26.8	-78.39	-119.5	-1,361.4	471.9	444.3	27.64	17.074		
8,000.0	7,605.8	7,632.1	7,457.9	21.1	26.6	-72.22	-69.5	-1,353.6	479.0	451.8	27.19	17.616		
8,100.0	7,606.0	7,573.7	7,417.1	21.3	26.4	-67.10	-28.5	-1,345.6	495.7	468.7	26.97	18.378		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3C-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-61.6	61.6					
100.0	100.0	99.0	99.0	0.2	0.2	-90.00	0.0	-61.6	61.6	61.2	0.30	203.695		
200.0	200.0	199.0	199.0	0.3	0.3	-90.00	0.0	-61.6	61.6	60.9	0.65	94.546		
300.0	300.0	299.0	299.0	0.5	0.5	-90.00	0.0	-61.6	61.6	60.6	1.00	61.546		
400.0	400.0	399.0	399.0	0.7	0.7	34.99	0.0	-61.6	61.4	60.0	1.35	45.490		
500.0	500.0	498.0	498.0	0.9	0.8	35.73	-0.2	-62.4	60.8	59.1	1.70	35.811		
600.0	599.9	597.0	596.9	1.0	1.0	37.00	-0.9	-64.8	60.4	58.4	2.05	29.528		
660.7	660.5	657.0	656.9	1.1	1.1	38.02	-1.5	-67.1	60.4	58.1	2.26	26.700 CC		
700.0	699.8	696.0	695.8	1.2	1.2	38.79	-1.9	-68.9	60.4	58.0	2.40	25.160		
800.0	799.5	794.9	794.6	1.4	1.4	41.08	-3.4	-74.7	60.7	58.0	2.76	21.978 ES		
900.0	899.2	893.9	893.3	1.6	1.6	43.82	-5.4	-82.1	61.5	58.3	3.14	19.582		
1,000.0	998.6	992.9	991.8	1.9	1.8	46.93	-7.8	-91.2	62.7	59.2	3.54	17.728		
1,100.0	1,097.9	1,091.8	1,090.2	2.1	2.1	50.33	-10.6	-101.9	64.5	60.5	3.96	16.262		
1,200.0	1,196.9	1,190.8	1,188.2	2.4	2.3	53.91	-13.8	-114.3	66.9	62.5	4.44	15.080		
1,300.0	1,295.7	1,289.7	1,286.1	2.7	2.6	57.51	-17.4	-128.2	70.0	65.1	4.95	14.138		
1,400.0	1,394.4	1,388.5	1,383.6	3.0	2.9	60.22	-21.5	-143.8	74.5	69.0	5.50	13.552		
1,500.0	1,493.1	1,488.0	1,481.6	3.3	3.2	62.00	-25.9	-160.8	80.2	74.1	6.06	13.224		
1,600.0	1,591.8	1,587.9	1,579.8	3.6	3.6	63.52	-30.4	-177.9	85.9	79.3	6.64	12.939		
1,700.0	1,690.5	1,687.7	1,678.1	3.9	3.9	64.84	-34.9	-194.9	91.7	84.5	7.23	12.683		
1,800.0	1,789.3	1,787.5	1,776.3	4.3	4.2	66.01	-39.3	-212.0	97.5	89.7	7.83	12.456		
1,900.0	1,888.0	1,887.3	1,874.6	4.6	4.6	67.04	-43.8	-229.1	103.4	95.0	8.44	12.253		
2,000.0	1,986.7	1,987.1	1,972.8	4.9	4.9	67.97	-48.3	-246.1	109.3	100.3	9.06	12.071		
2,100.0	2,085.4	2,086.9	2,071.0	5.2	5.3	68.80	-52.7	-263.2	115.2	105.6	9.68	11.909		
2,200.0	2,184.1	2,186.7	2,169.3	5.6	5.6	69.55	-57.2	-280.3	121.2	110.9	10.30	11.763		
2,300.0	2,282.9	2,286.5	2,267.5	5.9	6.0	70.22	-61.6	-297.3	127.2	116.2	10.93	11.631		
2,400.0	2,381.6	2,386.3	2,365.7	6.2	6.3	70.84	-66.1	-314.4	133.2	121.6	11.57	11.511		
2,500.0	2,480.3	2,486.2	2,464.0	6.5	6.7	71.40	-70.6	-331.5	139.2	127.0	12.20	11.403		
2,600.0	2,579.0	2,586.0	2,562.2	6.9	7.0	71.92	-75.0	-348.5	145.2	132.3	12.84	11.304		
2,700.0	2,677.7	2,685.8	2,660.5	7.2	7.4	72.40	-79.5	-365.6	151.2	137.7	13.48	11.214		
2,800.0	2,776.5	2,785.6	2,758.7	7.5	7.7	72.84	-83.9	-382.7	157.2	143.1	14.13	11.131		
2,900.0	2,875.2	2,885.4	2,856.9	7.8	8.1	73.24	-88.4	-399.7	163.3	148.5	14.77	11.055		
3,000.0	2,973.9	2,985.2	2,955.2	8.2	8.4	73.62	-92.9	-416.8	169.3	153.9	15.41	10.985		
3,100.0	3,072.6	3,085.0	3,053.4	8.5	8.8	73.97	-97.3	-433.9	175.4	159.3	16.06	10.920		
3,200.0	3,171.3	3,184.8	3,151.7	8.8	9.1	74.30	-101.8	-450.9	181.4	164.7	16.71	10.859		
3,300.0	3,270.1	3,284.6	3,249.9	9.1	9.5	74.61	-106.3	-468.0	187.5	170.2	17.36	10.803		
3,400.0	3,368.8	3,384.4	3,348.1	9.5	9.8	74.90	-110.7	-485.1	193.6	175.6	18.01	10.751		
3,500.0	3,467.5	3,484.3	3,446.4	9.8	10.2	75.17	-115.2	-502.1	199.7	181.0	18.66	10.703		
3,600.0	3,566.2	3,584.1	3,544.6	10.1	10.6	75.42	-119.6	-519.2	205.7	186.4	19.31	10.657		
3,700.0	3,664.9	3,683.9	3,642.9	10.5	10.9	75.66	-124.1	-536.3	211.8	191.9	19.96	10.614		
3,800.0	3,763.7	3,783.7	3,741.1	10.8	11.3	75.89	-128.6	-553.3	217.9	197.3	20.61	10.574		
3,900.0	3,862.4	3,883.5	3,839.3	11.1	11.6	76.10	-133.0	-570.4	224.0	202.8	21.26	10.537		
4,000.0	3,961.1	3,983.3	3,937.6	11.4	12.0	76.30	-137.5	-587.5	230.1	208.2	21.91	10.501		
4,100.0	4,059.8	4,083.1	4,035.8	11.8	12.3	76.50	-141.9	-604.5	236.2	213.6	22.57	10.467		
4,200.0	4,158.5	4,182.9	4,134.1	12.1	12.7	76.68	-146.4	-621.6	242.3	219.1	23.22	10.436		
4,300.0	4,257.3	4,282.7	4,232.3	12.4	13.0	76.85	-150.9	-638.7	248.4	224.5	23.87	10.406		
4,400.0	4,356.0	4,382.6	4,330.5	12.8	13.4	77.02	-155.3	-655.7	254.5	230.0	24.53	10.377		
4,500.0	4,454.7	4,482.4	4,428.8	13.1	13.8	77.17	-159.8	-672.8	260.6	235.4	25.18	10.350		
4,600.0	4,553.4	4,582.2	4,527.0	13.4	14.1	77.32	-164.3	-689.9	266.7	240.9	25.83	10.325		
4,700.0	4,652.1	4,682.0	4,625.3	13.8	14.5	77.47	-168.7	-706.9	272.8	246.4	26.49	10.300		
4,800.0	4,750.9	4,781.8	4,723.5	14.1	14.8	77.61	-173.2	-724.0	279.0	251.8	27.14	10.277		
4,900.0	4,849.6	4,881.6	4,821.7	14.4	15.2	77.74	-177.6	-741.1	285.1	257.3	27.80	10.255		
5,000.0	4,948.3	4,981.4	4,920.0	14.7	15.5	77.86	-182.1	-758.1	291.2	262.7	28.45	10.233		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3C-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,047.0	5,081.2	5,018.2	15.1	15.9	77.98	-186.6	-775.2	297.3	268.2	29.11	10.213		
5,200.0	5,145.7	5,181.0	5,116.5	15.4	16.2	78.10	-191.0	-792.3	303.4	273.7	29.76	10.194		
5,300.0	5,244.5	5,280.9	5,214.7	15.7	16.6	78.21	-195.5	-809.4	309.5	279.1	30.42	10.175		
5,400.0	5,343.2	5,380.7	5,312.9	16.1	17.0	78.32	-199.9	-826.4	315.7	284.6	31.08	10.158		
5,500.0	5,441.9	5,480.5	5,411.2	16.4	17.3	78.42	-204.4	-843.5	321.8	290.0	31.73	10.141		
5,600.0	5,540.6	5,580.3	5,509.4	16.7	17.7	78.52	-208.9	-860.6	327.9	295.5	32.39	10.124		
5,700.0	5,639.3	5,680.1	5,607.7	17.0	18.0	78.61	-213.3	-877.6	334.0	301.0	33.04	10.108		
5,800.0	5,738.1	5,779.9	5,705.9	17.4	18.4	78.71	-217.8	-894.7	340.1	306.4	33.70	10.093		
5,900.0	5,836.8	5,879.7	5,804.1	17.7	18.7	78.80	-222.3	-911.8	346.3	311.9	34.36	10.079		
6,000.0	5,935.5	5,979.5	5,902.4	18.0	19.1	78.88	-226.7	-928.8	352.4	317.4	35.01	10.065		
6,100.0	6,034.2	6,079.3	6,000.6	18.4	19.5	78.96	-231.2	-945.9	358.5	322.9	35.67	10.051		
6,200.0	6,132.9	6,179.2	6,098.9	18.7	19.8	79.04	-235.6	-963.0	364.7	328.3	36.33	10.038		
6,300.0	6,231.7	6,279.0	6,197.1	19.0	20.2	79.12	-240.1	-980.0	370.8	333.8	36.98	10.026		
6,400.0	6,330.4	6,378.8	6,295.3	19.4	20.5	79.20	-244.6	-997.1	376.9	339.3	37.64	10.014		
6,500.0	6,429.1	6,478.6	6,393.6	19.7	20.9	79.27	-249.0	-1,014.2	383.0	344.7	38.30	10.002		
6,600.0	6,527.8	6,578.4	6,491.8	20.0	21.2	79.34	-253.5	-1,031.2	389.2	350.2	38.95	9.991		
6,700.0	6,626.5	6,678.2	6,590.0	20.3	21.6	79.41	-257.9	-1,048.3	395.3	355.7	39.61	9.980		
6,800.0	6,725.3	6,778.0	6,688.3	20.7	22.0	79.47	-262.4	-1,065.4	401.4	361.2	40.27	9.969		
6,900.0	6,824.0	6,877.8	6,786.5	21.0	22.3	79.54	-266.9	-1,082.4	407.6	366.6	40.92	9.959		
7,000.0	6,922.7	7,019.6	6,925.5	21.3	22.9	78.98	-279.6	-1,106.8	411.5	369.8	41.71	9.866		
7,100.0	7,021.5	7,200.3	7,091.6	21.6	23.8	50.17	-341.5	-1,137.5	396.6	354.8	41.82	9.484		
7,200.0	7,120.3	7,327.1	7,192.6	21.8	24.6	-24.14	-415.0	-1,157.5	362.7	324.0	38.77	9.356 SF		
7,300.0	7,216.7	7,396.8	7,240.6	21.9	25.0	-57.26	-464.5	-1,167.5	329.0	294.5	34.53	9.530		
7,400.0	7,307.6	7,427.8	7,259.9	21.8	25.3	-71.35	-488.3	-1,171.7	314.3	282.2	32.17	9.770		
7,402.9	7,310.2	7,428.2	7,260.2	21.8	25.3	-71.58	-488.7	-1,171.7	314.3	282.2	32.14	9.781		
7,500.0	7,390.3	7,434.8	7,264.1	21.6	25.3	-74.72	-493.9	-1,172.6	328.5	296.7	31.75	10.344		
7,600.0	7,462.3	7,426.9	7,259.4	21.4	25.3	-70.87	-487.7	-1,171.5	369.0	336.9	32.13	11.485		
7,700.0	7,521.4	7,409.5	7,248.7	21.3	25.1	-62.26	-474.1	-1,169.2	426.7	395.0	31.79	13.423		
7,800.0	7,565.9	7,385.6	7,233.3	21.1	25.0	-51.58	-456.1	-1,165.9	492.9	463.3	29.56	16.676		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3D-32H-K268 - 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	-86.28	3.6	-56.0	56.1					
100.0	100.0	99.0	99.0	0.2	0.2	-86.28	3.6	-56.0	56.1	55.8	0.30	185.568		
200.0	200.0	199.0	199.0	0.3	0.3	-86.28	3.6	-56.0	56.1	55.4	0.65	86.132		
300.0	300.0	299.0	299.0	0.5	0.5	-86.28	3.6	-56.0	56.1	55.1	1.00	56.069		
400.0	400.0	399.0	399.0	0.7	0.7	38.74	3.6	-56.0	55.9	54.6	1.35	41.436		
500.0	500.0	499.0	499.0	0.9	0.8	39.89	3.6	-56.0	54.6	52.9	1.70	32.115		
600.0	599.9	598.0	598.0	1.0	1.0	42.38	3.8	-56.8	52.8	50.7	2.05	25.757		
700.0	699.8	697.0	697.0	1.2	1.2	46.36	4.2	-59.3	51.6	49.2	2.40	21.464		
777.5	777.1	773.7	773.6	1.4	1.3	50.44	4.7	-62.4	51.3	48.6	2.69	19.087 CC		
800.0	799.5	796.0	795.9	1.4	1.4	51.78	4.9	-63.5	51.3	48.5	2.77	18.524 ES		
900.0	899.2	895.0	894.7	1.6	1.6	58.35	5.8	-69.4	52.2	49.1	3.16	16.559		
1,000.0	998.6	993.8	993.2	1.9	1.8	65.61	7.1	-76.9	54.7	51.2	3.57	15.336		
1,100.0	1,097.9	1,092.6	1,091.5	2.1	2.0	72.92	8.6	-86.2	59.0	55.0	4.02	14.682		
1,200.0	1,196.9	1,191.7	1,190.1	2.4	2.2	79.95	10.4	-96.8	65.0	60.5	4.51	14.408		
1,300.0	1,295.7	1,291.1	1,288.9	2.7	2.4	86.96	12.1	-107.7	71.8	66.8	5.04	14.254		
1,400.0	1,394.4	1,390.5	1,387.7	3.0	2.7	93.02	13.9	-118.5	79.6	74.0	5.58	14.267		
1,500.0	1,493.1	1,489.9	1,486.4	3.3	2.9	97.97	15.7	-129.4	88.0	81.9	6.12	14.392		
1,600.0	1,591.8	1,589.3	1,585.2	3.6	3.2	102.02	17.5	-140.2	97.1	90.4	6.66	14.578		
1,700.0	1,690.5	1,688.7	1,684.0	3.9	3.4	105.38	19.3	-151.1	106.5	99.3	7.20	14.796		
1,800.0	1,789.3	1,788.0	1,782.7	4.3	3.7	108.18	21.1	-161.9	116.2	108.5	7.73	15.027		
1,900.0	1,888.0	1,887.4	1,881.5	4.6	3.9	110.55	22.8	-172.8	126.1	117.9	8.27	15.261		
2,000.0	1,986.7	1,986.8	1,980.3	4.9	4.2	112.57	24.6	-183.6	136.3	127.5	8.80	15.490		
2,100.0	2,085.4	2,086.2	2,079.0	5.2	4.4	114.31	26.4	-194.5	146.6	137.2	9.33	15.712		
2,200.0	2,184.1	2,185.5	2,177.8	5.6	4.7	115.82	28.2	-205.3	157.0	147.1	9.86	15.924		
2,300.0	2,282.9	2,284.9	2,276.6	5.9	4.9	117.14	30.0	-216.1	167.4	157.1	10.38	16.125		
2,400.0	2,381.6	2,384.3	2,375.3	6.2	5.2	118.31	31.7	-227.0	178.0	167.1	10.91	16.316		
2,500.0	2,480.3	2,483.7	2,474.1	6.5	5.4	119.34	33.5	-237.8	188.6	177.2	11.44	16.495		
2,600.0	2,579.0	2,583.1	2,572.9	6.9	5.7	120.26	35.3	-248.7	199.3	187.4	11.96	16.665		
2,700.0	2,677.7	2,682.4	2,671.7	7.2	6.0	121.09	37.1	-259.5	210.1	197.6	12.49	16.825		
2,800.0	2,776.5	2,781.8	2,770.4	7.5	6.2	121.84	38.9	-270.4	220.8	207.8	13.01	16.976		
2,900.0	2,875.2	2,881.2	2,869.2	7.8	6.5	122.52	40.7	-281.2	231.6	218.1	13.53	17.118		
3,000.0	2,973.9	2,980.6	2,968.0	8.2	6.7	123.14	42.4	-292.1	242.5	228.4	14.05	17.252		
3,100.0	3,072.6	3,080.0	3,066.7	8.5	7.0	123.71	44.2	-302.9	253.3	238.8	14.58	17.378		
3,200.0	3,171.3	3,179.3	3,165.5	8.8	7.2	124.23	46.0	-313.8	264.2	249.1	15.10	17.498		
3,300.0	3,270.1	3,278.7	3,264.3	9.1	7.5	124.71	47.8	-324.6	275.1	259.5	15.62	17.611		
3,400.0	3,368.8	3,378.1	3,363.0	9.5	7.8	125.15	49.6	-335.4	286.0	269.9	16.14	17.719		
3,500.0	3,467.5	3,477.5	3,461.8	9.8	8.0	125.56	51.4	-346.3	297.0	280.3	16.67	17.820		
3,600.0	3,566.2	3,576.9	3,560.6	10.1	8.3	125.94	53.1	-357.1	307.9	290.7	17.19	17.917		
3,700.0	3,664.9	3,676.2	3,659.3	10.5	8.5	126.29	54.9	-368.0	318.9	301.2	17.71	18.008		
3,800.0	3,763.7	3,775.6	3,758.1	10.8	8.8	126.62	56.7	-378.8	329.9	311.6	18.23	18.096		
3,900.0	3,862.4	3,875.0	3,856.9	11.1	9.0	126.93	58.5	-389.7	340.8	322.1	18.75	18.179		
4,000.0	3,961.1	3,974.4	3,955.6	11.4	9.3	127.22	60.3	-400.5	351.8	332.6	19.27	18.258		
4,100.0	4,059.8	4,073.7	4,054.4	11.8	9.6	127.49	62.0	-411.4	362.8	343.0	19.79	18.333		
4,200.0	4,158.5	4,173.1	4,153.2	12.1	9.8	127.75	63.8	-422.2	373.8	353.5	20.31	18.405		
4,300.0	4,257.3	4,272.5	4,252.0	12.4	10.1	127.99	65.6	-433.1	384.9	364.0	20.83	18.474		
4,400.0	4,356.0	4,371.9	4,350.7	12.8	10.3	128.22	67.4	-443.9	395.9	374.5	21.35	18.540		
4,500.0	4,454.7	4,471.3	4,449.5	13.1	10.6	128.44	69.2	-454.8	406.9	385.0	21.87	18.603		
4,600.0	4,553.4	4,570.6	4,548.3	13.4	10.9	128.64	71.0	-465.6	417.9	395.6	22.39	18.663		
4,700.0	4,652.1	4,670.0	4,647.0	13.8	11.1	128.83	72.7	-476.4	429.0	406.1	22.91	18.721		
4,800.0	4,750.9	4,769.4	4,745.8	14.1	11.4	129.02	74.5	-487.3	440.0	416.6	23.44	18.777		
4,900.0	4,849.6	4,868.8	4,844.6	14.4	11.6	129.19	76.3	-498.1	451.1	427.1	23.96	18.830		
5,000.0	4,948.3	4,968.2	4,943.3	14.7	11.9	129.36	78.1	-509.0	462.1	437.7	24.48	18.881		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3D-32H-K268 - 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	5,047.0	5,067.5	5,042.1	15.1	12.1	129.52	79.9	-519.8	473.2	448.2	25.00	18.931		
5,200.0	5,145.7	5,166.9	5,140.9	15.4	12.4	129.67	81.7	-530.7	484.2	458.7	25.52	18.978		
5,300.0	5,244.5	5,266.3	5,239.6	15.7	12.7	129.82	83.4	-541.5	495.3	469.3	26.04	19.024		
7,200.0	7,120.3	8,082.1	7,606.0	21.8	21.7	164.10	-566.1	-789.3	488.9	447.9	41.06	11.908		
7,300.0	7,216.7	8,058.9	7,606.0	21.9	21.5	159.87	-542.9	-789.7	394.8	353.6	41.24	9.575		
7,400.0	7,307.6	8,019.1	7,606.0	21.8	21.2	156.62	-503.1	-790.4	307.7	268.7	38.94	7.901		
7,500.0	7,390.3	7,958.3	7,605.8	21.6	20.7	150.17	-442.3	-791.4	231.2	195.3	35.89	6.441		
7,600.0	7,462.3	7,872.3	7,597.0	21.4	20.0	135.39	-356.9	-792.0	164.5	131.9	32.56	5.052		
7,700.0	7,521.4	7,797.1	7,579.0	21.3	19.5	114.56	-283.9	-791.3	115.7	85.9	29.78	3.884		
7,768.0	7,553.4	7,749.8	7,562.9	21.2	19.3	96.38	-239.5	-790.3	104.0	75.8	28.29	3.678 SF		
7,800.0	7,565.9	7,728.3	7,554.4	21.1	19.2	87.40	-219.8	-789.7	106.6	79.1	27.52	3.874		
7,900.0	7,594.3	7,663.6	7,524.3	21.1	18.8	62.47	-162.5	-787.4	139.4	114.9	24.49	5.692		
8,000.0	7,605.8	7,600.0	7,488.8	21.1	18.6	45.68	-109.9	-784.4	188.8	167.3	21.53	8.772		
8,100.0	7,606.0	7,550.0	7,456.9	21.3	18.4	38.82	-71.5	-781.6	245.1	224.7	20.40	12.017		
8,200.0	7,606.0	7,500.0	7,421.8	21.7	18.3	33.75	-36.1	-778.4	310.9	291.1	19.74	15.749		
8,300.0	7,606.0	7,450.0	7,383.8	22.1	18.2	29.66	-3.8	-774.8	383.7	364.3	19.36	19.816		
8,400.0	7,606.0	7,420.4	7,360.1	22.7	18.1	27.64	13.7	-772.5	461.6	442.2	19.43	23.755		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3E-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-42.0	42.0					
100.0	100.0	100.0	100.0	0.2	0.2	-90.01	0.0	-42.0	42.0	41.7	0.30	138.188		
200.0	200.0	200.0	200.0	0.3	0.3	-90.01	0.0	-42.0	42.0	41.3	0.65	64.291		
300.0	300.0	300.0	300.0	0.5	0.5	-90.01	0.0	-42.0	42.0	41.0	1.00	41.890		
400.0	400.0	400.0	400.0	0.7	0.7	35.04	0.0	-42.0	41.8	40.4	1.35	30.933		
500.0	500.0	500.0	500.0	0.9	0.8	36.47	0.0	-42.0	40.4	38.7	1.70	23.743		
600.0	599.9	599.9	599.9	1.0	1.0	39.65	0.0	-42.0	37.6	35.6	2.05	18.338		
700.0	699.8	699.2	699.2	1.2	1.2	45.61	0.3	-42.8	34.6	32.2	2.41	14.372		
800.0	799.5	798.4	798.4	1.4	1.4	55.30	1.3	-45.1	32.7	29.9	2.78	11.783		
844.1	843.5	842.2	842.1	1.5	1.5	60.66	2.0	-46.7	32.5	29.5	2.95	11.019 CC, ES		
900.0	899.2	897.8	897.6	1.6	1.6	68.14	3.0	-49.0	32.9	29.7	3.17	10.361		
1,000.0	998.6	997.4	997.1	1.9	1.7	82.82	4.8	-53.4	34.8	31.2	3.59	9.681		
1,100.0	1,097.9	1,096.8	1,096.4	2.1	1.9	97.74	6.7	-57.7	38.9	34.9	4.03	9.658 SF		
1,200.0	1,196.9	1,196.1	1,195.6	2.4	2.1	111.21	8.5	-62.1	45.7	41.3	4.46	10.267		
1,300.0	1,295.7	1,295.1	1,294.6	2.7	2.3	122.27	10.4	-66.4	55.3	50.4	4.86	11.383		
1,400.0	1,394.4	1,394.1	1,393.5	3.0	2.5	130.20	12.2	-70.8	66.6	61.3	5.24	12.697		
1,500.0	1,493.1	1,493.2	1,492.4	3.3	2.7	135.78	14.0	-75.1	78.7	73.1	5.62	14.007		
1,600.0	1,591.8	1,592.2	1,591.3	3.6	2.9	139.84	15.9	-79.4	91.4	85.4	5.99	15.247		
1,700.0	1,690.5	1,691.2	1,690.2	3.9	3.0	142.90	17.7	-83.8	104.4	98.1	6.37	16.395		
1,800.0	1,789.3	1,790.2	1,789.1	4.3	3.2	145.28	19.6	-88.1	117.7	110.9	6.74	17.448		
1,900.0	1,888.0	1,889.2	1,887.9	4.6	3.4	147.18	21.4	-92.4	131.1	124.0	7.12	18.412		
2,000.0	1,986.7	1,988.2	1,986.8	4.9	3.6	148.72	23.2	-96.8	144.6	137.1	7.50	19.292		
2,100.0	2,085.4	2,087.2	2,085.7	5.2	3.8	150.00	25.1	-101.1	158.3	150.4	7.87	20.098		
2,200.0	2,184.1	2,186.2	2,184.6	5.6	4.0	151.08	26.9	-105.4	171.9	163.7	8.25	20.837		
2,300.0	2,282.9	2,285.2	2,283.5	5.9	4.2	152.00	28.7	-109.8	185.7	177.0	8.63	21.517		
2,400.0	2,381.6	2,384.3	2,382.4	6.2	4.4	152.79	30.6	-114.1	199.4	190.4	9.01	22.142		
2,500.0	2,480.3	2,483.3	2,481.3	6.5	4.6	153.48	32.4	-118.4	213.3	203.9	9.39	22.720		
2,600.0	2,579.0	2,582.3	2,580.2	6.9	4.8	154.08	34.3	-122.8	227.1	217.3	9.76	23.256		
2,700.0	2,677.7	2,681.3	2,679.1	7.2	4.9	154.62	36.1	-127.1	240.9	230.8	10.14	23.753		
2,800.0	2,776.5	2,780.3	2,778.0	7.5	5.1	155.09	37.9	-131.4	254.8	244.3	10.52	24.215		
2,900.0	2,875.2	2,879.3	2,876.9	7.8	5.3	155.52	39.8	-135.8	268.7	257.8	10.90	24.646		
3,000.0	2,973.9	2,978.3	2,975.8	8.2	5.5	155.91	41.6	-140.1	282.6	271.3	11.28	25.049		
3,100.0	3,072.6	3,077.3	3,074.7	8.5	5.7	156.26	43.4	-144.4	296.5	284.9	11.66	25.427		
3,200.0	3,171.3	3,176.4	3,173.6	8.8	5.9	156.57	45.3	-148.8	310.5	298.4	12.04	25.781		
3,300.0	3,270.1	3,275.4	3,272.5	9.1	6.1	156.86	47.1	-153.1	324.4	312.0	12.42	26.114		
3,400.0	3,368.8	3,374.4	3,371.4	9.5	6.3	157.13	49.0	-157.4	338.3	325.5	12.80	26.428		
3,500.0	3,467.5	3,473.4	3,470.3	9.8	6.5	157.38	50.8	-161.8	352.3	339.1	13.18	26.724		
3,600.0	3,566.2	3,572.4	3,569.2	10.1	6.7	157.60	52.6	-166.1	366.2	352.7	13.56	27.003		
3,700.0	3,664.9	3,671.4	3,668.1	10.5	6.8	157.81	54.5	-170.4	380.2	366.2	13.94	27.268		
3,800.0	3,763.7	3,770.4	3,767.0	10.8	7.0	158.01	56.3	-174.8	394.2	379.8	14.32	27.518		
3,900.0	3,862.4	3,869.4	3,865.9	11.1	7.2	158.19	58.2	-179.1	408.1	393.4	14.70	27.756		
4,000.0	3,961.1	3,968.4	3,964.8	11.4	7.4	158.36	60.0	-183.4	422.1	407.0	15.08	27.982		
4,100.0	4,059.8	4,067.5	4,063.7	11.8	7.6	158.52	61.8	-187.8	436.1	420.6	15.46	28.197		
4,200.0	4,158.5	4,166.5	4,162.6	12.1	7.8	158.67	63.7	-192.1	450.0	434.2	15.85	28.402		
4,300.0	4,257.3	4,265.5	4,261.5	12.4	8.0	158.81	65.5	-196.4	464.0	447.8	16.23	28.597		
4,400.0	4,356.0	4,364.5	4,360.4	12.8	8.2	158.94	67.3	-200.8	478.0	461.4	16.61	28.784		
4,500.0	4,454.7	4,463.5	4,459.3	13.1	8.4	159.07	69.2	-205.1	492.0	475.0	16.99	28.962		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3F-32H-K268 - 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)		Between Centres (ft)	Between Ellipses (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-84.29	3.6	-36.4	36.6					
100.0	100.0	100.0	100.0	0.2	0.2	-84.29	3.6	-36.4	36.6	0.30	120.360			
200.0	200.0	200.0	200.0	0.3	0.3	-84.29	3.6	-36.4	36.6	0.65	55.996			
300.0	300.0	300.0	300.0	0.5	0.5	-84.29	3.6	-36.4	36.6	1.00	36.485			
400.0	400.0	400.0	400.0	0.7	0.7	40.81	3.6	-36.4	36.4	1.35	26.935			
500.0	500.0	500.0	500.0	0.9	0.8	42.68	3.6	-36.4	35.1	1.70	20.631			
600.0	599.9	599.9	599.9	1.0	1.0	46.86	3.6	-36.4	32.6	2.05	15.883			
700.0	699.8	699.8	699.8	1.2	1.2	54.37	3.6	-36.4	29.3	2.41	12.136			
800.0	799.5	799.5	799.5	1.4	1.4	67.06	3.6	-36.4	25.8	2.79	9.266			
900.0	899.2	899.2	899.2	1.6	1.5	86.69	3.6	-36.4	23.8	3.19	7.476			
914.2	913.3	913.3	913.3	1.7	1.6	89.99	3.6	-36.4	23.8	3.24	7.330 CC, ES			
1,000.0	998.6	998.6	998.6	1.9	1.7	110.76	3.6	-36.4	25.5	3.58	7.119 SF			
1,100.0	1,097.9	1,097.9	1,097.9	2.1	1.9	131.55	3.6	-36.4	31.9	3.92	8.141			
1,200.0	1,196.9	1,196.9	1,196.9	2.4	2.1	145.65	3.6	-36.4	42.5	4.24	10.022			
1,300.0	1,295.7	1,295.7	1,295.7	2.7	2.2	154.60	3.6	-36.4	56.0	4.56	12.299			
1,400.0	1,394.4	1,394.4	1,394.4	3.0	2.4	160.14	3.6	-36.4	70.8	4.88	14.495			
1,500.0	1,493.1	1,493.1	1,493.1	3.3	2.6	163.75	3.6	-36.4	86.0	5.22	16.478			
1,600.0	1,591.8	1,591.8	1,591.8	3.6	2.8	166.27	3.6	-36.4	101.4	5.56	18.254			
1,700.0	1,690.5	1,690.5	1,690.5	3.9	2.9	168.12	3.6	-36.4	117.0	5.89	19.843			
1,800.0	1,789.3	1,789.3	1,789.3	4.3	3.1	169.54	3.6	-36.4	132.6	6.24	21.269			
1,900.0	1,888.0	1,888.0	1,888.0	4.6	3.3	170.66	3.6	-36.4	148.3	6.58	22.553			
2,000.0	1,986.7	1,986.7	1,986.7	4.9	3.4	171.56	3.6	-36.4	164.1	6.92	23.714			
2,100.0	2,085.4	2,085.4	2,085.4	5.2	3.6	172.31	3.6	-36.4	179.9	7.26	24.768			
2,200.0	2,184.1	2,184.1	2,184.1	5.6	3.8	172.93	3.6	-36.4	195.7	7.61	25.729			
2,300.0	2,282.9	2,282.9	2,282.9	5.9	4.0	173.46	3.6	-36.4	211.6	7.95	26.608			
2,400.0	2,381.6	2,381.6	2,381.6	6.2	4.1	173.92	3.6	-36.4	227.4	8.30	27.415			
2,500.0	2,480.3	2,480.3	2,480.3	6.5	4.3	174.32	3.6	-36.4	243.3	8.64	28.159			
2,600.0	2,579.0	2,579.0	2,579.0	6.9	4.5	174.67	3.6	-36.4	259.2	8.98	28.846			
2,700.0	2,677.7	2,677.7	2,677.7	7.2	4.7	174.98	3.6	-36.4	275.0	9.33	29.483			
2,800.0	2,776.5	2,776.5	2,776.5	7.5	4.8	175.25	3.6	-36.4	290.9	9.67	30.075			
2,900.0	2,875.2	2,875.2	2,875.2	7.8	5.0	175.50	3.6	-36.4	306.8	10.02	30.626			
3,000.0	2,973.9	2,973.9	2,973.9	8.2	5.2	175.72	3.6	-36.4	322.7	10.36	31.141			
3,100.0	3,072.6	3,072.6	3,072.6	8.5	5.3	175.92	3.6	-36.4	338.7	10.71	31.623			
3,200.0	3,171.3	3,171.3	3,171.3	8.8	5.5	176.10	3.6	-36.4	354.6	11.05	32.075			
3,300.0	3,270.1	3,270.1	3,270.1	9.1	5.7	176.27	3.6	-36.4	370.5	11.40	32.500			
3,400.0	3,368.8	3,368.8	3,368.8	9.5	5.9	176.43	3.6	-36.4	386.4	11.74	32.900			
3,500.0	3,467.5	3,467.5	3,467.5	9.8	6.0	176.57	3.6	-36.4	402.3	12.09	33.277			
3,600.0	3,566.2	3,566.2	3,566.2	10.1	6.2	176.70	3.6	-36.4	418.2	12.44	33.633			
3,700.0	3,664.9	3,664.9	3,664.9	10.5	6.4	176.82	3.6	-36.4	434.2	12.78	33.970			
3,800.0	3,763.7	3,763.7	3,763.7	10.8	6.5	176.93	3.6	-36.4	450.1	13.13	34.289			
3,900.0	3,862.4	3,862.4	3,862.4	11.1	6.7	177.04	3.6	-36.4	466.0	13.47	34.592			
4,000.0	3,961.1	3,961.1	3,961.1	11.4	6.9	177.14	3.6	-36.4	481.9	13.82	34.880			
4,100.0	4,059.8	4,059.8	4,059.8	11.8	7.1	177.21	3.9	-36.3	498.1	14.16	35.188			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3G-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-30.8	30.8					
100.0	100.0	100.0	100.0	0.2	0.2	-90.01	0.0	-30.8	30.8	30.5	101.338			
200.0	200.0	200.0	200.0	0.3	0.3	-90.01	0.0	-30.8	30.8	30.1	47.147			
300.0	300.0	300.0	300.0	0.5	0.5	-90.01	0.0	-30.8	30.8	29.8	30.719			
400.0	400.0	400.0	400.0	0.7	0.7	35.10	0.0	-30.8	30.6	29.2	22.649			
500.0	500.0	500.0	500.0	0.9	0.8	37.08	0.0	-30.8	29.2	27.5	17.165			
600.0	599.9	600.4	600.4	1.0	1.0	42.01	0.0	-29.9	25.6	23.6	12.482			
700.0	699.8	700.5	700.4	1.2	1.2	53.76	0.2	-27.3	19.6	17.1	8.101			
800.0	799.5	800.1	799.9	1.4	1.4	86.01	0.4	-23.0	13.5	10.7	4.808			
829.5	828.9	829.3	829.1	1.5	1.4	101.70	0.4	-21.6	13.0	10.0	4.435 CC, ES, SF			
900.0	899.2	899.2	899.0	1.6	1.6	137.16	0.6	-18.2	16.1	12.9	5.094			
1,000.0	998.6	998.1	997.7	1.9	1.8	162.26	0.8	-13.4	27.6	24.2	7.973			
1,100.0	1,097.9	1,096.7	1,096.3	2.1	1.9	172.14	1.1	-8.6	43.0	39.2	11.326			
1,200.0	1,196.9	1,195.1	1,194.5	2.4	2.1	176.86	1.3	-3.8	60.7	56.5	14.680			
1,300.0	1,295.7	1,293.1	1,292.4	2.7	2.3	179.46	1.5	0.9	80.2	75.7	17.925			
1,400.0	1,394.4	1,391.1	1,390.2	3.0	2.5	-178.96	1.8	5.6	100.2	95.4	20.787			
1,500.0	1,493.1	1,489.0	1,488.1	3.3	2.7	-177.90	2.0	10.4	120.2	115.1	23.270			
1,600.0	1,591.8	1,587.0	1,585.9	3.6	2.9	-177.15	2.2	15.1	140.3	134.8	25.442			
1,700.0	1,690.5	1,684.9	1,683.7	3.9	3.1	-176.59	2.4	19.9	160.4	154.5	27.357			
1,800.0	1,789.3	1,782.9	1,781.6	4.3	3.2	-176.15	2.7	24.6	180.5	174.3	29.057			
1,900.0	1,888.0	1,880.8	1,879.4	4.6	3.4	-175.80	2.9	29.4	200.6	194.1	30.577			
2,000.0	1,986.7	1,978.8	1,977.2	4.9	3.6	-175.51	3.1	34.1	220.7	213.8	31.943			
2,100.0	2,085.4	2,076.7	2,075.1	5.2	3.8	-175.27	3.4	38.8	240.9	233.6	33.178			
2,200.0	2,184.1	2,174.7	2,172.9	5.6	4.0	-175.07	3.6	43.6	261.0	253.4	34.298			
2,300.0	2,282.9	2,272.6	2,270.7	5.9	4.2	-174.90	3.8	48.3	281.1	273.2	35.321			
2,400.0	2,381.6	2,370.5	2,368.6	6.2	4.4	-174.75	4.0	53.1	301.3	293.0	36.257			
2,500.0	2,480.3	2,468.5	2,466.4	6.5	4.6	-174.61	4.3	57.8	321.4	312.8	37.117			
2,600.0	2,579.0	2,566.4	2,564.2	6.9	4.8	-174.50	4.5	62.5	341.5	332.5	37.910			
2,700.0	2,677.7	2,664.4	2,662.1	7.2	4.9	-174.40	4.7	67.3	361.7	352.3	38.644			
2,800.0	2,776.5	2,762.3	2,759.9	7.5	5.1	-174.30	5.0	72.0	381.8	372.1	39.325			
2,900.0	2,875.2	2,860.3	2,857.7	7.8	5.3	-174.22	5.2	76.8	402.0	391.9	39.958			
3,000.0	2,973.9	2,958.2	2,955.6	8.2	5.5	-174.15	5.4	81.5	422.1	411.7	40.549			
3,100.0	3,072.6	3,056.2	3,053.4	8.5	5.7	-174.08	5.7	86.3	442.3	431.5	41.101			
3,200.0	3,171.3	3,154.1	3,151.2	8.8	5.9	-174.02	5.9	91.0	462.4	451.3	41.618			
3,300.0	3,270.1	3,252.1	3,249.1	9.1	6.1	-173.96	6.1	95.7	482.5	471.1	42.103			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3H-32H-K268 - 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	-81.78	3.6	-25.2	25.4					
100.0	100.0	100.0	100.0	0.2	0.2	-81.78	3.6	-25.2	25.4	25.1	0.30	83.774		
200.0	200.0	200.0	200.0	0.3	0.3	-81.78	3.6	-25.2	25.4	24.8	0.65	38.975		
300.0	300.0	300.0	300.0	0.5	0.5	-81.78	3.6	-25.2	25.4	24.4	1.00	25.395		
400.0	400.0	400.2	400.2	0.7	0.7	43.56	3.7	-25.0	25.1	23.7	1.35	18.552		
500.0	500.0	500.6	500.5	0.9	0.9	47.74	3.8	-23.2	22.2	20.5	1.70	13.019		
600.0	599.9	600.6	600.6	1.0	1.0	60.21	4.1	-19.7	16.9	14.8	2.06	8.193		
700.0	699.8	700.3	700.1	1.2	1.2	96.47	4.5	-14.5	12.0	9.6	2.44	4.933		
715.4	715.1	715.6	715.3	1.3	1.3	105.25	4.5	-13.6	11.9	9.4	2.50	4.754	CC, ES, SF	
800.0	799.5	799.4	798.9	1.4	1.4	149.17	5.0	-7.6	16.6	13.8	2.79	5.943		
900.0	899.2	897.7	896.8	1.6	1.6	172.15	5.7	0.9	30.7	27.6	3.12	9.845		
1,000.0	998.6	995.3	994.0	1.9	1.9	-178.87	6.4	10.9	49.7	46.2	3.46	14.373		
1,100.0	1,097.9	1,092.9	1,091.0	2.1	2.1	-174.84	7.2	21.3	71.3	67.5	3.80	18.747		
1,200.0	1,196.9	1,190.1	1,187.6	2.4	2.3	-172.81	8.1	31.7	94.7	90.5	4.15	22.839		
1,300.0	1,295.7	1,286.8	1,283.8	2.7	2.6	-171.69	8.9	42.0	119.8	115.3	4.49	26.655		
1,400.0	1,394.4	1,383.5	1,380.0	3.0	2.8	-171.00	9.7	52.3	145.2	140.4	4.85	29.970		
1,500.0	1,493.1	1,480.2	1,476.1	3.3	3.0	-170.52	10.5	62.6	170.7	165.5	5.20	32.831		
1,600.0	1,591.8	1,576.9	1,572.2	3.6	3.3	-170.16	11.3	72.9	196.2	190.7	5.56	35.324		
1,700.0	1,690.5	1,673.6	1,668.4	3.9	3.5	-169.88	12.1	83.2	221.8	215.8	5.91	37.515		
1,800.0	1,789.3	1,770.3	1,764.5	4.3	3.8	-169.66	12.9	93.5	247.3	241.0	6.27	39.455		
1,900.0	1,888.0	1,867.0	1,860.6	4.6	4.0	-169.48	13.7	103.8	272.8	266.2	6.62	41.185		
2,000.0	1,986.7	1,963.7	1,956.8	4.9	4.2	-169.34	14.5	114.1	298.3	291.3	6.98	42.737		
2,100.0	2,085.4	2,060.3	2,052.9	5.2	4.5	-169.21	15.3	124.4	323.8	316.5	7.34	44.136		
2,200.0	2,184.1	2,157.0	2,149.0	5.6	4.7	-169.11	16.1	134.7	349.4	341.7	7.69	45.405		
2,300.0	2,282.9	2,253.7	2,245.2	5.9	5.0	-169.02	16.9	145.0	374.9	366.8	8.05	46.560		
2,400.0	2,381.6	2,350.4	2,341.3	6.2	5.2	-168.94	17.7	155.3	400.4	392.0	8.41	47.616		
2,500.0	2,480.3	2,447.1	2,437.4	6.5	5.5	-168.87	18.5	165.6	425.9	417.2	8.77	48.585		
2,600.0	2,579.0	2,543.8	2,533.6	6.9	5.7	-168.80	19.3	175.8	451.5	442.3	9.12	49.477		
2,700.0	2,677.7	2,640.5	2,629.7	7.2	6.0	-168.75	20.1	186.1	477.0	467.5	9.48	50.302		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3I-32H-K268 - 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	-90.02	0.0	-11.2	11.2					
100.0	100.0	100.0	100.0	0.2	0.2	-90.02	0.0	-11.2	11.2	10.9	0.30	36.850		
200.0	200.0	200.0	200.0	0.3	0.3	-90.02	0.0	-11.2	11.2	10.5	0.65	17.144 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	-91.54	-0.3	-12.0	12.0	11.0	1.00	11.984		
400.0	400.0	399.6	399.5	0.7	0.7	30.24	-1.3	-14.4	14.3	12.9	1.35	10.587		
500.0	500.0	499.3	499.1	0.9	0.9	28.93	-2.9	-18.5	17.0	15.3	1.70	9.975		
600.0	599.9	598.9	598.6	1.0	1.1	29.07	-5.1	-24.1	19.8	17.7	2.05	9.637		
700.0	699.8	698.5	697.9	1.2	1.3	30.12	-8.0	-31.4	22.7	20.3	2.41	9.445		
800.0	799.5	798.1	797.0	1.4	1.5	31.74	-11.4	-40.2	25.9	23.1	2.77	9.337		
900.0	899.2	897.6	895.8	1.6	1.8	33.72	-15.6	-50.6	29.2	26.1	3.15	9.278		
1,000.0	998.6	997.0	994.4	1.9	2.0	35.91	-20.3	-62.7	32.7	29.2	3.54	9.243		
1,100.0	1,097.9	1,096.4	1,092.7	2.1	2.3	38.21	-25.7	-76.3	36.5	32.6	3.96	9.215		
1,200.0	1,196.9	1,195.7	1,190.7	2.4	2.7	40.55	-31.6	-91.5	40.6	36.1	4.42	9.180		
1,300.0	1,295.7	1,294.9	1,288.2	2.7	3.0	42.81	-38.2	-108.2	44.9	40.0	4.91	9.152 SF		
1,400.0	1,394.4	1,394.0	1,385.4	3.0	3.4	43.97	-45.5	-126.5	50.6	45.2	5.42	9.341		
1,500.0	1,493.1	1,493.0	1,482.0	3.3	3.8	44.01	-53.3	-146.3	57.7	51.8	5.91	9.766		
1,600.0	1,591.8	1,591.7	1,578.0	3.6	4.2	43.28	-61.7	-167.7	66.3	59.9	6.39	10.383		
1,700.0	1,690.5	1,690.7	1,674.0	3.9	4.7	42.18	-70.6	-190.4	76.2	69.4	6.85	11.130		
1,800.0	1,789.3	1,790.2	1,770.4	4.3	5.1	41.27	-79.7	-213.3	86.3	79.0	7.31	11.805		
1,900.0	1,888.0	1,889.7	1,866.8	4.6	5.6	40.55	-88.7	-236.3	96.4	88.6	7.77	12.400		
2,000.0	1,986.7	1,989.2	1,963.2	4.9	6.0	39.97	-97.8	-259.2	106.4	98.2	8.23	12.928		
2,100.0	2,085.4	2,088.7	2,059.5	5.2	6.5	39.48	-106.8	-282.2	116.5	107.8	8.70	13.399		
2,200.0	2,184.1	2,188.1	2,155.9	5.6	7.0	39.08	-115.8	-305.1	126.6	117.5	9.16	13.821		
2,300.0	2,282.9	2,287.6	2,252.3	5.9	7.4	38.74	-124.9	-328.1	136.8	127.1	9.63	14.202		
2,400.0	2,381.6	2,387.1	2,348.7	6.2	7.9	38.44	-133.9	-351.0	146.9	136.8	10.10	14.547		
2,500.0	2,480.3	2,486.6	2,445.0	6.5	8.4	38.18	-143.0	-374.0	157.0	146.4	10.56	14.862		
2,600.0	2,579.0	2,586.1	2,541.4	6.9	8.8	37.95	-152.0	-396.9	167.1	156.1	11.03	15.149		
2,700.0	2,677.7	2,685.6	2,637.8	7.2	9.3	37.75	-161.1	-419.9	177.2	165.7	11.50	15.413		
2,800.0	2,776.5	2,785.0	2,734.2	7.5	9.8	37.57	-170.1	-442.8	187.4	175.4	11.97	15.655		
2,900.0	2,875.2	2,884.5	2,830.6	7.8	10.2	37.41	-179.2	-465.8	197.5	185.0	12.44	15.879		
3,000.0	2,973.9	2,984.0	2,926.9	8.2	10.7	37.26	-188.2	-488.7	207.6	194.7	12.91	16.087		
3,100.0	3,072.6	3,083.5	3,023.3	8.5	11.2	37.13	-197.3	-511.7	217.7	204.4	13.37	16.280		
3,200.0	3,171.3	3,183.0	3,119.7	8.8	11.6	37.01	-206.3	-534.6	227.9	214.0	13.84	16.459		
3,300.0	3,270.1	3,282.5	3,216.1	9.1	12.1	36.90	-215.4	-557.6	238.0	223.7	14.31	16.627		
3,400.0	3,368.8	3,382.0	3,312.4	9.5	12.6	36.80	-224.4	-580.5	248.1	233.3	14.78	16.784		
3,500.0	3,467.5	3,481.4	3,408.8	9.8	13.1	36.71	-233.4	-603.5	258.3	243.0	15.25	16.931		
3,600.0	3,566.2	3,580.9	3,505.2	10.1	13.5	36.62	-242.5	-626.4	268.4	252.7	15.72	17.069		
3,700.0	3,664.9	3,680.4	3,601.6	10.5	14.0	36.54	-251.5	-649.4	278.5	262.3	16.19	17.199		
3,800.0	3,763.7	3,779.9	3,698.0	10.8	14.5	36.47	-260.6	-672.3	288.7	272.0	16.67	17.321		
3,900.0	3,862.4	3,879.4	3,794.3	11.1	14.9	36.40	-269.6	-695.3	298.8	281.7	17.14	17.437		
4,000.0	3,961.1	3,978.9	3,890.7	11.4	15.4	36.33	-278.7	-718.2	308.9	291.3	17.61	17.546		
4,100.0	4,059.8	4,078.3	3,987.1	11.8	15.9	36.27	-287.7	-741.2	319.1	301.0	18.08	17.650		
4,200.0	4,158.5	4,177.8	4,083.5	12.1	16.4	36.21	-296.8	-764.1	329.2	310.6	18.55	17.748		
4,300.0	4,257.3	4,277.3	4,179.8	12.4	16.8	36.16	-305.8	-787.1	339.3	320.3	19.02	17.841		
4,400.0	4,356.0	4,376.8	4,276.2	12.8	17.3	36.11	-314.9	-810.0	349.5	330.0	19.49	17.930		
4,500.0	4,454.7	4,476.3	4,372.6	13.1	17.8	36.06	-323.9	-833.0	359.6	339.6	19.96	18.015		
4,600.0	4,553.4	4,575.8	4,469.0	13.4	18.3	36.02	-332.9	-855.9	369.7	349.3	20.43	18.095		
4,700.0	4,652.1	4,675.3	4,565.4	13.8	18.7	35.97	-342.0	-878.9	379.9	359.0	20.90	18.172		
4,800.0	4,750.9	4,774.7	4,661.7	14.1	19.2	35.93	-351.0	-901.8	390.0	368.6	21.38	18.246		
4,900.0	4,849.6	4,874.2	4,758.1	14.4	19.7	35.90	-360.1	-924.8	400.1	378.3	21.85	18.316		
5,000.0	4,948.3	4,973.7	4,854.5	14.7	20.2	35.86	-369.1	-947.7	410.3	388.0	22.32	18.383		
5,100.0	5,047.0	5,073.2	4,950.9	15.1	20.6	35.83	-378.2	-970.7	420.4	397.6	22.79	18.448		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3I-32H-K268 - Hz - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft) +E/-W (ft)		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning				
5,200.0	5,145.7	5,172.7	5,047.2	15.4	21.1	35.79	-387.2	-993.6	430.6	407.3	23.26	18.509					
5,300.0	5,244.5	5,272.2	5,143.6	15.7	21.6	35.76	-396.3	-1,016.6	440.7	417.0	23.73	18.569					
5,400.0	5,343.2	5,371.6	5,240.0	16.1	22.0	35.73	-405.3	-1,039.5	450.8	426.6	24.20	18.626					
5,500.0	5,441.9	5,471.1	5,336.4	16.4	22.5	35.70	-414.4	-1,062.5	461.0	436.3	24.68	18.681					
5,600.0	5,540.6	5,570.6	5,432.8	16.7	23.0	35.67	-423.4	-1,085.4	471.1	446.0	25.15	18.733					
5,700.0	5,639.3	5,670.1	5,529.1	17.0	23.5	35.65	-432.4	-1,108.4	481.2	455.6	25.62	18.784					
5,800.0	5,738.1	5,769.6	5,625.5	17.4	23.9	35.62	-441.5	-1,131.3	491.4	465.3	26.09	18.833					



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3J-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-56.93	3.6	-5.6	6.7					
100.0	100.0	100.0	100.0	0.2	0.2	-56.93	3.6	-5.6	6.7	6.4	0.30	21.986		
200.0	200.0	200.0	200.0	0.3	0.3	-56.93	3.6	-5.6	6.7	6.0	0.65	10.229		
234.8	234.8	234.8	234.8	0.4	0.4	-56.93	3.6	-5.6	6.7	5.9	0.77	8.624	CC	
300.0	300.0	300.0	300.0	0.5	0.5	-58.53	3.5	-5.8	6.8	5.8	1.00	6.777	ES	
400.0	400.0	399.9	399.9	0.7	0.7	56.78	2.8	-7.3	7.7	6.4	1.35	5.714		
500.0	500.0	499.8	499.7	0.9	0.9	49.48	1.2	-10.5	9.1	7.4	1.70	5.363		
600.0	599.9	599.6	599.4	1.0	1.1	45.19	-1.2	-15.1	10.8	8.8	2.06	5.250		
700.0	699.8	699.4	699.0	1.2	1.3	42.94	-4.3	-21.3	12.7	10.3	2.43	5.236		
800.0	799.5	799.2	798.4	1.4	1.5	42.03	-8.2	-29.1	14.7	11.9	2.80	5.264		
900.0	899.2	899.0	897.6	1.6	1.7	42.00	-12.9	-38.4	16.9	13.7	3.19	5.308		
1,000.0	998.6	998.7	996.5	1.9	2.0	42.54	-18.4	-49.2	19.3	15.7	3.60	5.354		
1,100.0	1,097.9	1,098.3	1,095.2	2.1	2.3	43.48	-24.7	-61.5	21.7	17.7	4.03	5.393		
1,200.0	1,196.9	1,198.0	1,193.7	2.4	2.6	44.65	-31.7	-75.4	24.4	19.9	4.50	5.421		
1,300.0	1,295.7	1,297.6	1,291.8	2.7	2.9	45.85	-39.5	-90.8	27.2	22.3	5.00	5.451		
1,400.0	1,394.4	1,397.1	1,389.5	3.0	3.3	45.37	-48.0	-107.7	31.2	25.7	5.49	5.687		
1,500.0	1,493.1	1,496.7	1,486.9	3.3	3.6	43.49	-57.3	-126.0	36.5	30.5	5.94	6.137		
1,600.0	1,591.8	1,596.5	1,584.5	3.6	4.0	41.83	-66.7	-144.7	42.0	35.6	6.39	6.576		
1,700.0	1,690.5	1,696.4	1,682.2	3.9	4.4	40.56	-76.2	-163.3	47.6	40.8	6.84	6.961		
1,800.0	1,789.3	1,796.2	1,779.8	4.3	4.8	39.55	-85.6	-181.9	53.2	45.9	7.29	7.300		
1,900.0	1,888.0	1,896.0	1,877.4	4.6	5.2	38.74	-95.0	-200.6	58.8	51.1	7.74	7.601		
2,000.0	1,986.7	1,995.9	1,975.1	4.9	5.6	38.07	-104.4	-219.2	64.4	56.2	8.19	7.870		
2,100.0	2,085.4	2,095.7	2,072.7	5.2	6.0	37.51	-113.9	-237.8	70.0	61.4	8.64	8.111		
2,200.0	2,184.1	2,195.6	2,170.3	5.6	6.4	37.03	-123.3	-256.5	75.7	66.6	9.09	8.328		
2,300.0	2,282.9	2,295.4	2,267.9	5.9	6.8	36.61	-132.7	-275.1	81.3	71.8	9.54	8.525		
2,400.0	2,381.6	2,395.2	2,365.6	6.2	7.2	36.26	-142.2	-293.7	87.0	77.0	9.99	8.704		
2,500.0	2,480.3	2,495.1	2,463.2	6.5	7.6	35.94	-151.6	-312.4	92.6	82.2	10.44	8.868		
2,600.0	2,579.0	2,594.9	2,560.8	6.9	8.0	35.66	-161.0	-331.0	98.2	87.3	10.89	9.018		
2,700.0	2,677.7	2,694.8	2,658.5	7.2	8.4	35.41	-170.4	-349.6	103.9	92.5	11.35	9.156		
2,800.0	2,776.5	2,794.6	2,756.1	7.5	8.8	35.19	-179.9	-368.3	109.5	97.7	11.80	9.284		
2,900.0	2,875.2	2,894.4	2,853.7	7.8	9.2	34.99	-189.3	-386.9	115.2	102.9	12.25	9.402		
3,000.0	2,973.9	2,994.3	2,951.4	8.2	9.6	34.80	-198.7	-405.5	120.8	108.1	12.70	9.512		
3,100.0	3,072.6	3,094.1	3,049.0	8.5	10.0	34.64	-208.2	-424.2	126.5	113.3	13.16	9.614		
3,200.0	3,171.3	3,194.0	3,146.6	8.8	10.5	34.49	-217.6	-442.8	132.1	118.5	13.61	9.709		
3,300.0	3,270.1	3,293.8	3,244.3	9.1	10.9	34.35	-227.0	-461.4	137.8	123.7	14.06	9.798		
3,400.0	3,368.8	3,393.6	3,341.9	9.5	11.3	34.22	-236.5	-480.1	143.5	128.9	14.52	9.882		
3,500.0	3,467.5	3,493.5	3,439.5	9.8	11.7	34.10	-245.9	-498.7	149.1	134.1	14.97	9.960		
3,600.0	3,566.2	3,593.3	3,537.1	10.1	12.1	33.99	-255.3	-517.3	154.8	139.3	15.42	10.034		
3,700.0	3,664.9	3,693.2	3,634.8	10.5	12.5	33.89	-264.7	-536.0	160.4	144.6	15.88	10.104		
3,800.0	3,763.7	3,793.0	3,732.4	10.8	12.9	33.79	-274.2	-554.6	166.1	149.8	16.33	10.170		
3,900.0	3,862.4	3,892.8	3,830.0	11.1	13.3	33.70	-283.6	-573.2	171.7	155.0	16.79	10.232		
4,000.0	3,961.1	3,992.7	3,927.7	11.4	13.7	33.62	-293.0	-591.9	177.4	160.2	17.24	10.291		
4,100.0	4,059.8	4,092.5	4,025.3	11.8	14.1	33.54	-302.5	-610.5	183.1	165.4	17.69	10.347		
4,200.0	4,158.5	4,192.4	4,122.9	12.1	14.5	33.47	-311.9	-629.2	188.7	170.6	18.15	10.400		
4,300.0	4,257.3	4,292.2	4,220.6	12.4	14.9	33.40	-321.3	-647.8	194.4	175.8	18.60	10.450		
4,400.0	4,356.0	4,392.0	4,318.2	12.8	15.3	33.33	-330.7	-666.4	200.0	181.0	19.05	10.498		
4,500.0	4,454.7	4,491.9	4,415.8	13.1	15.8	33.27	-340.2	-685.1	205.7	186.2	19.51	10.544		
4,600.0	4,553.4	4,591.7	4,513.5	13.4	16.2	33.21	-349.6	-703.7	211.4	191.4	19.96	10.588		
4,700.0	4,652.1	4,691.5	4,611.1	13.8	16.6	33.16	-359.0	-722.3	217.0	196.6	20.42	10.630		
4,800.0	4,750.9	4,791.4	4,708.7	14.1	17.0	33.10	-368.5	-741.0	222.7	201.8	20.87	10.670		
4,900.0	4,849.6	4,891.2	4,806.3	14.4	17.4	33.05	-377.9	-759.6	228.3	207.0	21.33	10.708		
5,000.0	4,948.3	4,991.1	4,904.0	14.7	17.8	33.01	-387.3	-778.2	234.0	212.2	21.78	10.744		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3J-32H-K268 - 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	5,047.0	5,090.9	5,001.6	15.1	18.2	32.96	-396.7	-796.9	239.7	217.4	22.23	10.780		
5,200.0	5,145.7	5,190.7	5,099.2	15.4	18.6	32.92	-406.2	-815.5	245.3	222.6	22.69	10.813		
5,300.0	5,244.5	5,290.6	5,196.9	15.7	19.0	32.88	-415.6	-834.1	251.0	227.9	23.14	10.846		
5,400.0	5,343.2	5,390.4	5,294.5	16.1	19.4	32.84	-425.0	-852.8	256.7	233.1	23.60	10.877		
5,500.0	5,441.9	5,490.3	5,392.1	16.4	19.8	32.80	-434.5	-871.4	262.3	238.3	24.05	10.907		
5,600.0	5,540.6	5,590.1	5,489.8	16.7	20.2	32.76	-443.9	-890.0	268.0	243.5	24.51	10.936		
5,700.0	5,639.3	5,689.9	5,587.4	17.0	20.7	32.73	-453.3	-908.7	273.6	248.7	24.96	10.963		
5,800.0	5,738.1	5,789.8	5,685.0	17.4	21.1	32.70	-462.8	-927.3	279.3	253.9	25.41	10.990		
5,900.0	5,836.8	5,889.6	5,782.7	17.7	21.5	32.66	-472.2	-945.9	285.0	259.1	25.87	11.016		
6,000.0	5,935.5	5,989.5	5,880.3	18.0	21.9	32.63	-481.6	-964.6	290.6	264.3	26.32	11.041		
6,100.0	6,034.2	6,089.3	5,977.9	18.4	22.3	32.60	-491.0	-983.2	296.3	269.5	26.78	11.065		
6,200.0	6,132.9	6,189.1	6,075.5	18.7	22.7	32.58	-500.5	-1,001.8	302.0	274.7	27.23	11.088		
6,300.0	6,231.7	6,289.0	6,173.2	19.0	23.1	32.55	-509.9	-1,020.5	307.6	279.9	27.69	11.111		
6,400.0	6,330.4	6,388.8	6,270.8	19.4	23.5	32.52	-519.3	-1,039.1	313.3	285.1	28.14	11.133		
6,500.0	6,429.1	6,488.7	6,368.4	19.7	23.9	32.50	-528.8	-1,057.7	318.9	290.3	28.59	11.154		
6,600.0	6,527.8	6,588.5	6,466.1	20.0	24.3	32.47	-538.2	-1,076.4	324.6	295.6	29.05	11.174		
6,700.0	6,626.5	6,688.3	6,563.7	20.3	24.7	32.45	-547.6	-1,095.0	330.3	300.8	29.50	11.194		
6,800.0	6,725.3	6,788.2	6,661.3	20.7	25.2	32.42	-557.0	-1,113.6	335.9	306.0	29.96	11.213		
6,900.0	6,824.0	6,888.0	6,759.0	21.0	25.6	32.40	-566.5	-1,132.3	341.6	311.2	30.41	11.232		
7,000.0	6,922.7	6,988.8	6,857.9	21.3	25.9	33.75	-567.7	-1,151.2	347.1	315.8	31.25	11.105		
7,100.0	7,021.5	7,084.4	6,950.5	21.6	26.1	15.54	-552.5	-1,168.8	353.3	320.4	32.92	10.734		
7,200.0	7,120.3	7,175.4	7,035.1	21.8	26.2	-39.85	-523.8	-1,185.0	361.5	327.0	34.41	10.503		
7,300.0	7,216.7	7,263.2	7,111.6	21.9	26.2	-55.32	-483.4	-1,199.6	370.8	335.7	35.15	10.549		
7,400.0	7,307.6	7,350.0	7,180.4	21.8	26.2	-58.89	-432.3	-1,212.7	380.7	345.7	35.00	10.876		
7,500.0	7,390.3	7,431.5	7,237.4	21.6	26.1	-59.39	-375.2	-1,223.6	390.4	356.4	33.96	11.494		
7,600.0	7,462.3	7,512.9	7,285.9	21.4	26.0	-58.87	-310.5	-1,232.9	399.2	367.0	32.22	12.389		
7,700.0	7,521.4	7,593.1	7,324.3	21.3	26.0	-58.12	-240.6	-1,240.2	406.7	376.6	30.09	13.515		
7,800.0	7,565.9	7,672.4	7,352.5	21.1	26.0	-57.46	-166.7	-1,245.6	412.4	384.4	28.02	14.719		
7,900.0	7,594.3	7,750.0	7,370.2	21.1	26.0	-57.03	-91.3	-1,248.9	416.1	389.5	26.55	15.672		
8,000.0	7,605.8	7,829.5	7,377.8	21.1	26.0	-56.89	-12.3	-1,250.4	417.4	391.3	26.15	15.963		
8,100.0	7,606.0	7,925.1	7,378.0	21.3	26.1	-56.89	83.3	-1,250.4	417.4	390.7	26.70	15.637		
8,200.0	7,606.0	8,025.1	7,378.0	21.7	26.4	-56.89	183.3	-1,250.4	417.4	389.9	27.55	15.152		
8,300.0	7,606.0	8,125.1	7,378.0	22.1	26.8	-56.89	283.3	-1,250.4	417.4	388.8	28.68	14.555		
8,400.0	7,606.0	8,225.1	7,378.0	22.7	27.2	-56.89	383.3	-1,250.4	417.4	387.4	30.06	13.887		
8,500.0	7,606.0	8,325.1	7,378.0	23.4	27.8	-56.89	483.3	-1,250.4	417.4	385.8	31.65	13.188		
8,600.0	7,606.0	8,425.1	7,378.0	24.2	28.5	-56.89	583.3	-1,250.4	417.4	384.0	33.43	12.487		
8,700.0	7,606.0	8,525.1	7,378.0	25.1	29.2	-56.89	683.3	-1,250.4	417.4	382.1	35.37	11.804		
8,800.0	7,606.0	8,625.1	7,378.0	26.1	30.1	-56.89	783.3	-1,250.4	417.4	380.0	37.43	11.152		
8,900.0	7,606.0	8,725.1	7,378.0	27.2	31.0	-56.89	883.3	-1,250.4	417.4	377.8	39.61	10.539		
9,000.0	7,606.0	8,825.1	7,378.0	28.4	32.0	-56.89	983.3	-1,250.4	417.4	375.6	41.88	9.967		
9,100.0	7,606.0	8,925.1	7,378.0	29.6	33.1	-56.89	1,083.3	-1,250.4	417.4	373.2	44.23	9.437		
9,200.0	7,606.0	9,025.1	7,378.0	30.8	34.2	-56.89	1,183.3	-1,250.4	417.4	370.8	46.65	8.948		
9,300.0	7,606.0	9,125.1	7,378.0	32.1	35.3	-56.89	1,283.3	-1,250.4	417.4	368.3	49.13	8.496		
9,400.0	7,606.0	9,225.1	7,378.0	33.5	36.6	-56.89	1,383.3	-1,250.4	417.4	365.8	51.66	8.081		
9,500.0	7,606.0	9,325.1	7,378.0	34.8	37.8	-56.89	1,483.3	-1,250.4	417.4	363.2	54.23	7.698		
9,600.0	7,606.0	9,425.1	7,378.0	36.3	39.1	-56.89	1,583.3	-1,250.4	417.4	360.6	56.83	7.345		
9,700.0	7,606.0	9,525.1	7,378.0	37.7	40.5	-56.89	1,683.3	-1,250.4	417.4	358.0	59.47	7.019		
9,800.0	7,606.0	9,625.1	7,378.0	39.2	41.8	-56.89	1,783.3	-1,250.4	417.4	355.3	62.13	6.718		
9,900.0	7,606.0	9,725.1	7,378.0	40.7	43.2	-56.89	1,883.3	-1,250.4	417.4	352.6	64.82	6.440		
10,000.0	7,606.0	9,825.1	7,378.0	42.2	44.6	-56.89	1,983.3	-1,250.4	417.4	349.9	67.54	6.181		
10,100.0	7,606.0	9,925.1	7,378.0	43.7	46.1	-56.89	2,083.3	-1,250.4	417.4	347.2	70.27	5.941		
10,200.0	7,606.0	10,025.1	7,378.0	45.2	47.5	-56.89	2,183.3	-1,250.4	417.4	344.4	73.01	5.717		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3J-32H-K268 - 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				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)			
10,300.0	7,606.0	10,125.1	7,378.0	46.8	49.0	-56.89	2,283.3	-1,250.4	417.4	341.7	75.77	5.509	
10,400.0	7,606.0	10,225.1	7,378.0	48.4	50.5	-56.89	2,383.3	-1,250.4	417.4	338.9	78.55	5.314	
10,500.0	7,606.0	10,325.1	7,378.0	50.0	52.0	-56.89	2,483.3	-1,250.4	417.4	336.1	81.34	5.132	
10,600.0	7,606.0	10,425.1	7,378.0	51.6	53.6	-56.89	2,583.3	-1,250.4	417.4	333.3	84.13	4.962	
10,700.0	7,606.0	10,525.1	7,378.0	53.2	55.1	-56.89	2,683.3	-1,250.4	417.4	330.5	86.94	4.801	
10,800.0	7,606.0	10,625.1	7,378.0	54.8	56.7	-56.89	2,783.3	-1,250.4	417.4	327.7	89.76	4.651	
10,900.0	7,606.0	10,725.1	7,378.0	56.4	58.2	-56.89	2,883.3	-1,250.4	417.4	324.9	92.58	4.509	
11,000.0	7,606.0	10,825.1	7,378.0	58.0	59.8	-56.89	2,983.3	-1,250.4	417.4	322.0	95.42	4.375	
11,100.0	7,606.0	10,925.1	7,378.0	59.7	61.4	-56.89	3,083.3	-1,250.4	417.4	319.2	98.25	4.249	
11,127.7	7,606.0	10,952.7	7,378.0	60.1	61.8	-56.89	3,111.0	-1,250.4	417.4	318.4	99.04	4.215 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3L-32H-K268 - 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	37.53	3.6	2.8	4.6						
100.0	100.0	100.0	100.0	0.2	0.2	37.53	3.6	2.8	4.6	4.3	0.30	15.125			
200.0	200.0	200.0	200.0	0.3	0.3	37.53	3.6	2.8	4.6	3.9	0.65	7.037			
300.0	300.0	300.0	300.0	0.5	0.5	37.53	3.6	2.8	4.6	3.6	1.00	4.585 CC			
327.9	327.9	327.9	327.9	0.5	0.5	162.53	3.6	2.8	4.6	3.5	1.10	4.208			
400.0	400.0	400.0	400.0	0.7	0.7	163.19	3.6	2.8	4.8	3.5	1.35	3.554 ES			
500.0	500.0	500.1	500.1	0.9	0.9	167.88	3.0	2.2	5.6	3.9	1.70	3.306			
600.0	599.9	600.2	600.1	1.0	1.0	175.09	1.0	0.5	6.5	4.4	2.05	3.155			
700.0	699.8	700.3	700.2	1.2	1.2	-176.21	-2.3	-2.4	7.5	5.1	2.40	3.107 SF			
800.0	799.5	800.4	800.1	1.4	1.4	-167.02	-6.9	-6.4	8.7	5.9	2.75	3.159			
900.0	899.2	900.5	899.9	1.6	1.6	-158.16	-12.8	-11.6	10.3	7.2	3.13	3.295			
1,000.0	998.6	1,000.6	999.5	1.9	1.8	-150.20	-20.0	-18.0	12.3	8.8	3.54	3.490			
1,100.0	1,097.9	1,100.8	1,099.0	2.1	2.1	-143.35	-28.5	-25.4	14.8	10.8	3.99	3.718			
1,200.0	1,196.9	1,200.7	1,198.2	2.4	2.3	-139.00	-37.9	-33.7	18.1	13.6	4.47	4.044			
1,300.0	1,295.7	1,300.6	1,297.3	2.7	2.6	-138.82	-47.4	-42.0	22.6	17.6	4.93	4.577			
1,400.0	1,394.4	1,400.5	1,396.4	3.0	2.9	-139.26	-56.8	-50.3	27.4	22.0	5.40	5.074			
1,500.0	1,493.1	1,500.4	1,495.5	3.3	3.1	-139.56	-66.3	-58.6	32.2	26.3	5.87	5.488			
1,600.0	1,591.8	1,600.3	1,594.6	3.6	3.4	-139.79	-75.7	-66.9	37.0	30.7	6.34	5.837			
1,700.0	1,690.5	1,700.2	1,693.7	3.9	3.7	-139.97	-85.2	-75.2	41.8	35.0	6.82	6.135			
1,800.0	1,789.3	1,800.1	1,792.8	4.3	3.9	-140.11	-94.6	-83.5	46.6	39.3	7.29	6.392			
1,900.0	1,888.0	1,899.9	1,891.8	4.6	4.2	-140.22	-104.1	-91.8	51.4	43.7	7.78	6.616			
2,000.0	1,986.7	1,999.8	1,990.9	4.9	4.5	-140.32	-113.5	-100.1	56.3	48.0	8.26	6.812			
2,100.0	2,085.4	2,099.7	2,090.0	5.2	4.8	-140.39	-122.9	-108.4	61.1	52.3	8.74	6.986			
2,200.0	2,184.1	2,199.6	2,189.1	5.6	5.0	-140.46	-132.4	-116.7	65.9	56.7	9.23	7.141			
2,300.0	2,282.9	2,299.5	2,288.2	5.9	5.3	-140.52	-141.8	-125.0	70.7	61.0	9.71	7.279			
2,400.0	2,381.6	2,399.4	2,387.3	6.2	5.6	-140.57	-151.3	-133.3	75.5	65.3	10.20	7.404			
2,500.0	2,480.3	2,499.2	2,486.4	6.5	5.9	-140.62	-160.7	-141.6	80.3	69.6	10.69	7.517			
2,600.0	2,579.0	2,599.1	2,585.5	6.9	6.1	-140.66	-170.2	-149.9	85.1	74.0	11.17	7.619			
2,700.0	2,677.7	2,699.0	2,684.6	7.2	6.4	-140.69	-179.6	-158.2	89.9	78.3	11.66	7.713			
2,800.0	2,776.5	2,798.9	2,783.6	7.5	6.7	-140.72	-189.1	-166.5	94.8	82.6	12.15	7.799			
2,900.0	2,875.2	2,898.8	2,882.7	7.8	7.0	-140.75	-198.5	-174.7	99.6	86.9	12.64	7.878			
3,000.0	2,973.9	2,998.7	2,981.8	8.2	7.2	-140.78	-208.0	-183.0	104.4	91.3	13.13	7.951			
3,100.0	3,072.6	3,098.5	3,080.9	8.5	7.5	-140.80	-217.4	-191.3	109.2	95.6	13.62	8.018			
3,200.0	3,171.3	3,198.4	3,180.0	8.8	7.8	-140.82	-226.8	-199.6	114.0	99.9	14.11	8.081			
3,300.0	3,270.1	3,298.3	3,279.1	9.1	8.1	-140.84	-236.3	-207.9	118.8	104.2	14.60	8.139			
3,400.0	3,368.8	3,398.2	3,378.2	9.5	8.4	-140.86	-245.7	-216.2	123.6	108.6	15.09	8.193			
3,500.0	3,467.5	3,498.1	3,477.3	9.8	8.6	-140.88	-255.2	-224.5	128.5	112.9	15.58	8.244			
3,600.0	3,566.2	3,598.0	3,576.4	10.1	8.9	-140.90	-264.6	-232.8	133.3	117.2	16.07	8.292			
3,700.0	3,664.9	3,697.8	3,675.5	10.5	9.2	-140.91	-274.1	-241.1	138.1	121.5	16.56	8.336			
3,800.0	3,763.7	3,797.7	3,774.5	10.8	9.5	-140.92	-283.5	-249.4	142.9	125.8	17.06	8.378			
3,900.0	3,862.4	3,897.6	3,873.6	11.1	9.8	-140.94	-293.0	-257.7	147.7	130.2	17.55	8.418			
4,000.0	3,961.1	3,997.5	3,972.7	11.4	10.0	-140.95	-302.4	-266.0	152.5	134.5	18.04	8.455			
4,100.0	4,059.8	4,097.4	4,071.8	11.8	10.3	-140.96	-311.9	-274.3	157.3	138.8	18.53	8.491			
4,200.0	4,158.5	4,197.3	4,170.9	12.1	10.6	-140.97	-321.3	-282.6	162.2	143.1	19.02	8.524			
4,300.0	4,257.3	4,297.2	4,270.0	12.4	10.9	-140.98	-330.7	-290.9	167.0	147.5	19.52	8.556			
4,400.0	4,356.0	4,397.0	4,369.1	12.8	11.2	-140.99	-340.2	-299.2	171.8	151.8	20.01	8.586			
4,500.0	4,454.7	4,496.9	4,468.2	13.1	11.4	-141.00	-349.6	-307.5	176.6	156.1	20.50	8.615			
4,600.0	4,553.4	4,596.8	4,567.3	13.4	11.7	-141.01	-359.1	-315.8	181.4	160.4	20.99	8.642			
4,700.0	4,652.1	4,696.7	4,666.4	13.8	12.0	-141.02	-368.5	-324.1	186.2	164.7	21.48	8.668			
4,800.0	4,750.9	4,796.6	4,765.4	14.1	12.3	-141.02	-378.0	-332.4	191.0	169.1	21.98	8.693			
4,900.0	4,849.6	4,896.5	4,864.5	14.4	12.6	-141.03	-387.4	-340.7	195.9	173.4	22.47	8.716			
5,000.0	4,948.3	4,996.3	4,963.6	14.7	12.8	-141.04	-396.9	-349.0	200.7	177.7	22.96	8.739			

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3L-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,047.0	5,096.2	5,062.7	15.1	13.1	-141.05	-406.3	-357.3	205.5	182.0	23.46	8.760		
5,200.0	5,145.7	5,196.1	5,161.8	15.4	13.4	-141.05	-415.8	-365.5	210.3	186.3	23.95	8.781		
5,300.0	5,244.5	5,296.0	5,260.9	15.7	13.7	-141.06	-425.2	-373.8	215.1	190.7	24.44	8.801		
5,400.0	5,343.2	5,395.9	5,360.0	16.1	14.0	-141.06	-434.6	-382.1	219.9	195.0	24.93	8.820		
5,500.0	5,441.9	5,495.8	5,459.1	16.4	14.2	-141.07	-444.1	-390.4	224.7	199.3	25.43	8.838		
5,600.0	5,540.6	5,595.6	5,558.2	16.7	14.5	-141.07	-453.5	-398.7	229.5	203.6	25.92	8.856		
5,700.0	5,639.3	5,695.5	5,657.3	17.0	14.8	-141.08	-463.0	-407.0	234.4	207.9	26.41	8.873		
5,800.0	5,738.1	5,795.4	5,756.3	17.4	15.1	-141.08	-472.4	-415.3	239.2	212.3	26.91	8.889		
5,900.0	5,836.8	5,895.3	5,855.4	17.7	15.4	-141.09	-481.9	-423.6	244.0	216.6	27.40	8.905		
6,000.0	5,935.5	5,995.2	5,954.5	18.0	15.6	-141.09	-491.3	-431.9	248.8	220.9	27.89	8.920		
6,100.0	6,034.2	6,095.1	6,053.6	18.4	15.9	-141.10	-500.8	-440.2	253.6	225.2	28.39	8.935		
6,200.0	6,132.9	6,195.0	6,152.7	18.7	16.2	-141.10	-510.2	-448.5	258.4	229.6	28.88	8.949		
6,300.0	6,231.7	6,294.8	6,251.8	19.0	16.5	-141.11	-519.7	-456.8	263.2	233.9	29.37	8.962		
6,400.0	6,330.4	6,394.7	6,350.9	19.4	16.8	-141.11	-529.1	-465.1	268.1	238.2	29.87	8.976		
6,500.0	6,429.1	6,494.6	6,450.0	19.7	17.0	-141.11	-538.5	-473.4	272.9	242.5	30.36	8.988		
6,600.0	6,527.8	6,594.5	6,549.1	20.0	17.3	-141.12	-548.0	-481.7	277.7	246.8	30.85	9.001		
6,700.0	6,626.5	6,694.4	6,648.2	20.3	17.6	-141.12	-557.4	-490.0	282.5	251.2	31.35	9.013		
6,800.0	6,725.3	6,794.3	6,747.2	20.7	17.9	-141.12	-566.9	-498.3	287.3	255.5	31.84	9.024		
6,900.0	6,824.0	6,896.8	6,849.2	21.0	18.0	-142.72	-568.4	-506.8	291.7	259.9	31.79	9.175		
7,000.0	6,922.7	6,993.7	6,944.5	21.3	18.0	-147.40	-553.1	-514.8	296.4	265.7	30.75	9.641		
7,100.0	7,021.5	7,081.0	7,027.1	21.6	17.9	-176.35	-525.8	-521.7	305.3	276.2	29.06	10.506		
7,200.0	7,120.3	7,162.6	7,099.6	21.8	17.7	116.62	-489.1	-527.8	319.0	291.5	27.41	11.636		
7,300.0	7,216.7	7,240.7	7,163.5	21.9	17.5	90.83	-444.6	-533.1	335.5	309.2	26.29	12.760		
7,400.0	7,307.6	7,316.2	7,219.0	21.8	17.3	78.34	-393.8	-537.8	353.1	327.5	25.62	13.782		
7,500.0	7,390.3	7,389.6	7,266.2	21.6	17.0	70.53	-337.6	-541.7	370.3	345.1	25.17	14.714		
7,600.0	7,462.3	7,461.5	7,305.0	21.4	16.8	65.17	-277.3	-545.0	385.8	361.1	24.76	15.584		
7,700.0	7,521.4	7,532.3	7,335.7	21.3	16.7	61.42	-213.6	-547.5	398.9	374.5	24.35	16.382		
7,800.0	7,565.9	7,600.0	7,357.4	21.1	16.6	58.94	-149.6	-549.4	408.8	384.8	23.99	17.041		
7,900.0	7,594.3	7,671.7	7,372.1	21.1	16.6	57.45	-79.5	-550.6	415.0	391.2	23.83	17.418		
8,000.0	7,605.8	7,740.8	7,377.8	21.1	16.6	56.90	-10.6	-551.1	417.4	393.5	23.94	17.437		
8,100.0	7,606.0	7,834.7	7,378.0	21.3	16.9	56.89	83.3	-551.1	417.4	392.9	24.52	17.027		
8,200.0	7,606.0	7,934.7	7,378.0	21.7	17.3	56.89	183.3	-551.1	417.4	392.0	25.43	16.415		
8,300.0	7,606.0	8,034.7	7,378.0	22.1	17.8	56.89	283.3	-551.1	417.4	390.8	26.64	15.669		
8,400.0	7,606.0	8,134.7	7,378.0	22.7	18.6	56.89	383.3	-551.1	417.4	389.3	28.11	14.851		
8,500.0	7,606.0	8,234.7	7,378.0	23.4	19.4	56.89	483.3	-551.1	417.4	387.6	29.80	14.009		
8,600.0	7,606.0	8,334.7	7,378.0	24.2	20.4	56.89	583.3	-551.1	417.4	385.8	31.67	13.181		
8,700.0	7,606.0	8,434.7	7,378.0	25.1	21.5	56.89	683.3	-551.1	417.4	383.7	33.70	12.388		
8,800.0	7,606.0	8,534.7	7,378.0	26.1	22.6	56.89	783.3	-551.1	417.4	381.6	35.85	11.644		
8,900.0	7,606.0	8,634.7	7,378.0	27.2	23.8	56.89	883.3	-551.1	417.4	379.3	38.11	10.953		
9,000.0	7,606.0	8,734.7	7,378.0	28.4	25.1	56.89	983.3	-551.1	417.4	377.0	40.46	10.317		
9,100.0	7,606.0	8,834.7	7,378.0	29.6	26.5	56.89	1,083.3	-551.1	417.4	374.6	42.88	9.734		
9,200.0	7,606.0	8,934.7	7,378.0	30.8	27.9	56.89	1,183.3	-551.1	417.4	372.1	45.37	9.201		
9,300.0	7,606.0	9,034.7	7,378.0	32.1	29.3	56.89	1,283.3	-551.1	417.4	369.5	47.91	8.714		
9,400.0	7,606.0	9,134.7	7,378.0	33.5	30.8	56.89	1,383.3	-551.1	417.4	367.0	50.49	8.268		
9,500.0	7,606.0	9,234.7	7,378.0	34.8	32.3	56.89	1,483.3	-551.1	417.4	364.3	53.11	7.860		
9,600.0	7,606.0	9,334.7	7,378.0	36.3	33.8	56.89	1,583.3	-551.1	417.4	361.7	55.76	7.486		
9,700.0	7,606.0	9,434.7	7,378.0	37.7	35.3	56.89	1,683.3	-551.1	417.4	359.0	58.44	7.143		
9,800.0	7,606.0	9,534.7	7,378.0	39.2	36.9	56.89	1,783.3	-551.1	417.4	356.3	61.15	6.827		
9,900.0	7,606.0	9,634.7	7,378.0	40.7	38.5	56.89	1,883.3	-551.1	417.4	353.6	63.87	6.535		
10,000.0	7,606.0	9,734.7	7,378.0	42.2	40.0	56.89	1,983.3	-551.1	417.4	350.8	66.62	6.266		
10,100.0	7,606.0	9,834.7	7,378.0	43.7	41.6	56.89	2,083.3	-551.1	417.4	348.1	69.38	6.017		
10,200.0	7,606.0	9,934.7	7,378.0	45.2	43.3	56.89	2,183.3	-551.1	417.4	345.3	72.16	5.785		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3L-32H-K268 - 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 Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
10,300.0	7,606.0	10,034.7	7,378.0	46.8	44.9	56.89	2,283.3	-551.1	417.4	342.5	74.95	5.570					
10,400.0	7,606.0	10,134.7	7,378.0	48.4	46.5	56.89	2,383.3	-551.1	417.4	339.7	77.75	5.369					
10,500.0	7,606.0	10,234.7	7,378.0	50.0	48.2	56.89	2,483.3	-551.1	417.4	336.9	80.56	5.182					
10,600.0	7,606.0	10,334.7	7,378.0	51.6	49.8	56.89	2,583.3	-551.1	417.4	334.1	83.38	5.007					
10,700.0	7,606.0	10,434.7	7,378.0	53.2	51.5	56.89	2,683.3	-551.1	417.4	331.2	86.21	4.842					
10,800.0	7,606.0	10,534.7	7,378.0	54.8	53.1	56.89	2,783.3	-551.1	417.4	328.4	89.04	4.688					
10,900.0	7,606.0	10,634.7	7,378.0	56.4	54.8	56.89	2,883.3	-551.1	417.4	325.6	91.89	4.543					
11,000.0	7,606.0	10,734.7	7,378.0	58.0	56.5	56.89	2,983.3	-551.1	417.4	322.7	94.74	4.406					
11,100.0	7,606.0	10,834.7	7,378.0	59.7	58.2	56.89	3,083.3	-551.1	417.4	319.8	97.59	4.277					
11,118.5	7,606.0	10,853.2	7,378.0	60.0	58.5	56.89	3,101.8	-551.1	417.4	319.3	98.12	4.254					
11,127.7	7,606.0	10,862.4	7,378.0	60.1	58.6	56.89	3,111.0	-551.1	417.4	319.1	98.38	4.243					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3M-32H-K268 - 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)				Between Centres (ft)	Between Ellipses (ft)	
0.0	0.0	0.0	0.0	0.0	0.0	90.00	0.0	19.6	19.6					
100.0	100.0	100.0	100.0	0.2	0.2	90.00	0.0	19.6	19.6	19.3	0.30	64.488		
200.0	200.0	200.0	200.0	0.3	0.3	90.00	0.0	19.6	19.6	18.9	0.65	30.002		
201.2	201.2	201.2	201.2	0.3	0.3	90.00	0.0	19.6	19.6	18.9	0.66	29.811		
300.0	300.0	300.1	300.1	0.5	0.5	92.45	-0.8	19.3	19.3	18.3	1.00	19.271		
398.3	398.3	398.5	398.4	0.7	0.7	-136.05	-3.2	18.4	19.0	17.7	1.35	14.080		
400.0	400.0	400.2	400.1	0.7	0.7	-135.45	-3.3	18.4	18.9	17.5	1.36	13.903 CC, ES		
500.0	500.0	500.1	500.0	0.9	0.9	-126.41	-7.4	17.0	19.6	17.9	1.72	11.400		
600.0	599.9	600.0	599.7	1.0	1.1	-117.72	-13.2	14.9	21.9	19.8	2.10	10.415		
700.0	699.8	699.8	699.2	1.2	1.3	-110.63	-20.5	12.3	25.6	23.1	2.50	10.245 SF		
800.0	799.5	799.7	798.6	1.4	1.5	-106.19	-29.2	9.3	30.5	27.6	2.91	10.479		
900.0	899.2	899.5	898.0	1.6	1.7	-105.56	-37.9	6.2	36.0	32.7	3.34	10.771		
1,000.0	998.6	999.3	997.4	1.9	2.0	-107.38	-46.6	3.1	42.0	38.2	3.80	11.063		
1,100.0	1,097.9	1,099.1	1,096.7	2.1	2.2	-110.67	-55.3	0.1	48.7	44.4	4.27	11.388		
1,200.0	1,196.9	1,198.7	1,195.9	2.4	2.4	-114.78	-64.0	-3.0	56.1	51.4	4.76	11.792		
1,300.0	1,295.7	1,298.2	1,295.0	2.7	2.7	-119.22	-72.7	-6.1	64.6	59.4	5.25	12.314		
1,400.0	1,394.4	1,397.7	1,394.1	3.0	2.9	-122.91	-81.4	-9.1	73.6	67.9	5.73	12.853		
1,500.0	1,493.1	1,497.2	1,493.2	3.3	3.1	-125.79	-90.1	-12.2	82.9	76.7	6.20	13.357		
1,600.0	1,591.8	1,596.7	1,592.2	3.6	3.4	-128.09	-98.8	-15.3	92.3	85.6	6.67	13.823		
1,700.0	1,690.5	1,696.2	1,691.3	3.9	3.6	-129.96	-107.5	-18.3	101.8	94.6	7.14	14.249		
1,800.0	1,789.3	1,795.7	1,790.4	4.3	3.8	-131.51	-116.1	-21.4	111.4	103.8	7.61	14.638		
1,900.0	1,888.0	1,895.2	1,889.4	4.6	4.1	-132.81	-124.8	-24.5	121.1	113.0	8.08	14.993		
2,000.0	1,986.7	1,994.7	1,988.5	4.9	4.3	-133.92	-133.5	-27.5	130.8	122.3	8.54	15.318		
2,100.0	2,085.4	2,094.2	2,087.6	5.2	4.5	-134.88	-142.2	-30.6	140.6	131.6	9.00	15.616		
2,200.0	2,184.1	2,193.7	2,186.6	5.6	4.8	-135.71	-150.9	-33.7	150.4	140.9	9.47	15.889		
2,300.0	2,282.9	2,293.2	2,285.7	5.9	5.0	-136.44	-159.6	-36.7	160.2	150.3	9.93	16.140		
2,400.0	2,381.6	2,392.7	2,384.8	6.2	5.2	-137.08	-168.3	-39.8	170.1	159.7	10.39	16.372		
2,500.0	2,480.3	2,492.2	2,483.8	6.5	5.5	-137.66	-176.9	-42.9	180.0	169.1	10.85	16.586		
2,600.0	2,579.0	2,591.7	2,582.9	6.9	5.7	-138.17	-185.6	-45.9	189.9	178.6	11.31	16.785		
2,700.0	2,677.7	2,691.2	2,682.0	7.2	5.9	-138.63	-194.3	-49.0	199.8	188.0	11.77	16.969		
2,800.0	2,776.5	2,790.7	2,781.1	7.5	6.2	-139.05	-203.0	-52.1	209.7	197.5	12.23	17.141		
2,900.0	2,875.2	2,890.2	2,880.1	7.8	6.4	-139.43	-211.7	-55.1	219.6	207.0	12.69	17.302		
3,000.0	2,973.9	2,989.7	2,979.2	8.2	6.7	-139.78	-220.4	-58.2	229.6	216.4	13.16	17.452		
3,100.0	3,072.6	3,089.1	3,078.3	8.5	6.9	-140.10	-229.1	-61.3	239.5	225.9	13.62	17.593		
3,200.0	3,171.3	3,188.6	3,177.3	8.8	7.1	-140.40	-237.7	-64.3	249.5	235.4	14.08	17.725		
3,300.0	3,270.1	3,288.1	3,276.4	9.1	7.4	-140.67	-246.4	-67.4	259.5	244.9	14.54	17.849		
3,400.0	3,368.8	3,387.6	3,375.5	9.5	7.6	-140.92	-255.1	-70.5	269.4	254.4	15.00	17.967		
3,500.0	3,467.5	3,487.1	3,474.5	9.8	7.8	-141.15	-263.8	-73.5	279.4	263.9	15.46	18.077		
3,600.0	3,566.2	3,586.6	3,573.6	10.1	8.1	-141.37	-272.5	-76.6	289.4	273.5	15.92	18.182		
3,700.0	3,664.9	3,686.1	3,672.7	10.5	8.3	-141.57	-281.2	-79.7	299.3	283.0	16.38	18.281		
3,800.0	3,763.7	3,785.6	3,771.7	10.8	8.5	-141.76	-289.9	-82.7	309.3	292.5	16.83	18.374		
3,900.0	3,862.4	3,885.1	3,870.8	11.1	8.8	-141.94	-298.6	-85.8	319.3	302.0	17.29	18.463		
4,000.0	3,961.1	3,984.6	3,969.9	11.4	9.0	-142.11	-307.2	-88.9	329.3	311.6	17.75	18.548		
4,100.0	4,059.8	4,084.1	4,068.9	11.8	9.3	-142.27	-315.9	-91.9	339.3	321.1	18.21	18.629		
4,200.0	4,158.5	4,183.6	4,168.0	12.1	9.5	-142.42	-324.6	-95.0	349.3	330.6	18.67	18.705		
4,300.0	4,257.3	4,283.1	4,267.1	12.4	9.7	-142.56	-333.3	-98.1	359.3	340.2	19.13	18.779		
4,400.0	4,356.0	4,382.6	4,366.1	12.8	10.0	-142.69	-342.0	-101.1	369.3	349.7	19.59	18.849		
4,500.0	4,454.7	4,482.1	4,465.2	13.1	10.2	-142.81	-350.7	-104.2	379.3	359.2	20.05	18.915		
4,600.0	4,553.4	4,581.6	4,564.3	13.4	10.4	-142.93	-359.4	-107.3	389.3	368.8	20.51	18.979		
4,700.0	4,652.1	4,681.1	4,663.3	13.8	10.7	-143.05	-368.0	-110.3	399.3	378.3	20.97	19.040		
4,800.0	4,750.9	4,780.6	4,762.4	14.1	10.9	-143.15	-376.7	-113.4	409.3	387.9	21.43	19.099		
4,900.0	4,849.6	4,880.1	4,861.5	14.4	11.1	-143.26	-385.4	-116.5	419.3	397.4	21.89	19.155		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3M-32H-K268 - 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)								
5,000.0	4,948.3	4,979.6	4,960.5	14.7	11.4	-143.35	-394.1	-119.5	429.3	407.0	22.35	19.209						
5,100.0	5,047.0	5,079.1	5,059.6	15.1	11.6	-143.45	-402.8	-122.6	439.3	416.5	22.81	19.261						
5,200.0	5,145.7	5,178.5	5,158.7	15.4	11.9	-143.54	-411.5	-125.7	449.3	426.1	23.27	19.311						
5,300.0	5,244.5	5,278.0	5,257.8	15.7	12.1	-143.62	-420.2	-128.7	459.3	435.6	23.73	19.359						
5,400.0	5,343.2	5,377.5	5,356.8	16.1	12.3	-143.70	-428.9	-131.8	469.4	445.2	24.19	19.406						
5,500.0	5,441.9	5,477.0	5,455.9	16.4	12.6	-143.78	-437.5	-134.9	479.4	454.7	24.65	19.450						
5,600.0	5,540.6	5,576.5	5,555.0	16.7	12.8	-143.86	-446.2	-137.9	489.4	464.3	25.11	19.493						
5,700.0	5,639.3	5,676.0	5,654.0	17.0	13.0	-143.93	-454.9	-141.0	499.4	473.8	25.56	19.535						



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3N-32H-K268 - 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	80.76	3.6	22.4	22.7						
100.0	100.0	100.0	100.0	0.2	0.2	80.76	3.6	22.4	22.7	22.4	0.30	74.670			
200.0	200.0	200.0	200.0	0.3	0.3	80.76	3.6	22.4	22.7	22.0	0.65	34.740			
300.0	300.0	300.0	300.0	0.5	0.5	80.76	3.6	22.4	22.7	21.7	1.00	22.635 CC			
322.1	322.1	322.1	322.1	0.5	0.5	-154.28	3.6	22.4	22.7	21.6	1.08	21.033			
400.0	400.0	400.0	400.0	0.7	0.7	-152.42	2.8	22.6	22.9	21.6	1.35	16.957 ES			
500.0	500.0	499.9	499.9	0.9	0.9	-148.23	0.2	23.1	24.7	23.0	1.70	14.497			
600.0	599.9	599.7	599.6	1.0	1.0	-143.21	-4.0	23.9	28.4	26.3	2.07	13.752 SF			
700.0	699.8	699.4	699.1	1.2	1.2	-138.47	-10.0	25.1	34.1	31.7	2.44	13.980			
800.0	799.5	798.8	798.2	1.4	1.4	-134.55	-17.6	26.6	41.8	39.0	2.83	14.777			
900.0	899.2	898.2	897.2	1.6	1.7	-131.84	-26.6	28.4	51.4	48.2	3.24	15.881			
1,000.0	998.6	997.6	996.1	1.9	1.9	-131.07	-35.8	30.3	62.3	58.6	3.66	17.017			
1,100.0	1,097.9	1,096.9	1,095.0	2.1	2.1	-131.52	-44.9	32.1	74.3	70.2	4.10	18.140			
1,200.0	1,196.9	1,196.0	1,193.6	2.4	2.3	-132.68	-54.0	33.9	87.5	83.0	4.54	19.254			
1,300.0	1,295.7	1,294.9	1,292.1	2.7	2.6	-134.21	-63.1	35.7	101.8	96.8	5.00	20.369			
1,400.0	1,394.4	1,393.8	1,390.6	3.0	2.8	-135.56	-72.2	37.6	116.5	111.1	5.46	21.344			
1,500.0	1,493.1	1,492.7	1,489.0	3.3	3.0	-136.60	-81.3	39.4	131.3	125.4	5.92	22.170			
1,600.0	1,591.8	1,591.6	1,587.5	3.6	3.3	-137.43	-90.4	41.2	146.0	139.7	6.38	22.877			
1,700.0	1,690.5	1,690.5	1,685.9	3.9	3.5	-138.12	-99.5	43.0	160.8	154.0	6.85	23.488			
1,800.0	1,789.3	1,789.3	1,784.4	4.3	3.7	-138.68	-108.6	44.8	175.7	168.3	7.31	24.021			
1,900.0	1,888.0	1,888.2	1,882.8	4.6	4.0	-139.16	-117.6	46.7	190.5	182.7	7.78	24.490			
2,000.0	1,986.7	1,987.1	1,981.3	4.9	4.2	-139.57	-126.7	48.5	205.3	197.1	8.24	24.905			
2,100.0	2,085.4	2,086.0	2,079.7	5.2	4.4	-139.92	-135.8	50.3	220.2	211.5	8.71	25.276			
2,200.0	2,184.1	2,184.9	2,178.2	5.6	4.7	-140.23	-144.9	52.1	235.0	225.9	9.18	25.609			
2,300.0	2,282.9	2,283.8	2,276.6	5.9	4.9	-140.50	-154.0	53.9	249.9	240.3	9.65	25.909			
2,400.0	2,381.6	2,382.6	2,375.1	6.2	5.1	-140.74	-163.1	55.8	264.8	254.7	10.11	26.181			
2,500.0	2,480.3	2,481.5	2,473.5	6.5	5.4	-140.96	-172.2	57.6	279.6	269.1	10.58	26.429			
2,600.0	2,579.0	2,580.4	2,571.9	6.9	5.6	-141.15	-181.3	59.4	294.5	283.5	11.05	26.656			
2,700.0	2,677.7	2,679.3	2,670.4	7.2	5.8	-141.33	-190.4	61.2	309.4	297.9	11.52	26.864			
2,800.0	2,776.5	2,778.2	2,768.8	7.5	6.1	-141.49	-199.4	63.1	324.3	312.3	11.99	27.055			
2,900.0	2,875.2	2,877.1	2,867.3	7.8	6.3	-141.63	-208.5	64.9	339.2	326.7	12.45	27.232			
3,000.0	2,973.9	2,975.9	2,965.7	8.2	6.5	-141.77	-217.6	66.7	354.0	341.1	12.92	27.396			
3,100.0	3,072.6	3,074.8	3,064.2	8.5	6.8	-141.89	-226.7	68.5	368.9	355.5	13.39	27.549			
3,200.0	3,171.3	3,173.7	3,162.6	8.8	7.0	-142.00	-235.8	70.3	383.8	370.0	13.86	27.690			
3,300.0	3,270.1	3,272.6	3,261.1	9.1	7.3	-142.11	-244.9	72.2	398.7	384.4	14.33	27.823			
3,400.0	3,368.8	3,371.5	3,359.5	9.5	7.5	-142.20	-254.0	74.0	413.6	398.8	14.80	27.947			
3,500.0	3,467.5	3,470.4	3,458.0	9.8	7.7	-142.29	-263.1	75.8	428.5	413.2	15.27	28.063			
3,600.0	3,566.2	3,569.2	3,556.4	10.1	8.0	-142.38	-272.2	77.6	443.4	427.7	15.74	28.173			
3,700.0	3,664.9	3,668.1	3,654.9	10.5	8.2	-142.46	-281.2	79.4	458.3	442.1	16.21	28.276			
3,800.0	3,763.7	3,767.0	3,753.3	10.8	8.4	-142.53	-290.3	81.3	473.2	456.5	16.68	28.373			
3,900.0	3,862.4	3,865.9	3,851.8	11.1	8.7	-142.60	-299.4	83.1	488.1	470.9	17.15	28.464			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3O-32H-K268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	90.00	0.0	28.0	28.0					
100.0	100.0	100.0	100.0	0.2	0.2	90.00	0.0	28.0	28.0	27.7	0.30	92.126		
200.0	200.0	200.0	200.0	0.3	0.3	90.00	0.0	28.0	28.0	27.3	0.65	42.861		
233.6	233.6	233.6	233.6	0.4	0.4	90.00	0.0	28.0	28.0	27.2	0.77	36.332 CC		
300.0	300.0	299.9	299.9	0.5	0.5	90.35	-0.2	28.1	28.1	27.1	1.00	28.063 ES		
400.0	400.0	399.5	399.5	0.7	0.7	-142.31	-1.6	29.1	29.4	28.0	1.35	21.732		
500.0	500.0	499.1	499.0	0.9	0.9	-139.50	-4.3	31.2	33.0	31.3	1.70	19.369		
600.0	599.9	598.5	598.2	1.0	1.0	-137.17	-8.5	34.3	39.2	37.1	2.06	19.010 SF		
700.0	699.8	697.5	697.1	1.2	1.3	-135.48	-14.0	38.5	48.0	45.5	2.43	19.733		
800.0	799.5	796.2	795.4	1.4	1.5	-134.36	-20.8	43.6	59.2	56.4	2.81	21.074		
900.0	899.2	894.5	893.2	1.6	1.7	-133.65	-29.0	49.7	72.9	69.7	3.20	22.769		
1,000.0	998.6	993.3	991.4	1.9	1.9	-133.66	-37.7	56.3	88.4	84.7	3.61	24.474		
1,100.0	1,097.9	1,091.9	1,089.3	2.1	2.2	-134.32	-46.4	62.8	105.0	101.0	4.03	26.048		
1,200.0	1,196.9	1,190.3	1,187.1	2.4	2.4	-135.34	-55.1	69.3	122.9	118.4	4.46	27.524		
1,300.0	1,295.7	1,288.4	1,284.6	2.7	2.7	-136.58	-63.8	75.8	141.9	137.0	4.91	28.927		
1,400.0	1,394.4	1,386.4	1,382.1	3.0	2.9	-137.69	-72.5	82.4	161.4	156.0	5.36	30.129		
1,500.0	1,493.1	1,484.5	1,479.5	3.3	3.2	-138.56	-81.1	88.9	180.8	175.0	5.81	31.140		
1,600.0	1,591.8	1,582.6	1,577.0	3.6	3.4	-139.26	-89.8	95.4	200.3	194.1	6.26	32.002		
1,700.0	1,690.5	1,680.6	1,674.4	3.9	3.7	-139.84	-98.5	101.9	219.9	213.1	6.71	32.744		
1,800.0	1,789.3	1,778.7	1,771.9	4.3	3.9	-140.33	-107.2	108.4	239.4	232.2	7.17	33.391		
1,900.0	1,888.0	1,876.7	1,869.3	4.6	4.2	-140.74	-115.8	114.9	259.0	251.3	7.63	33.957		
2,000.0	1,986.7	1,974.8	1,966.8	4.9	4.4	-141.09	-124.5	121.4	278.5	270.5	8.08	34.459		
2,100.0	2,085.4	2,072.8	2,064.2	5.2	4.7	-141.40	-133.2	127.9	298.1	289.6	8.54	34.905		
2,200.0	2,184.1	2,170.9	2,161.7	5.6	4.9	-141.66	-141.9	134.4	317.7	308.7	9.00	35.305		
2,300.0	2,282.9	2,268.9	2,259.1	5.9	5.2	-141.90	-150.5	140.9	337.3	327.8	9.46	35.665		
2,400.0	2,381.6	2,367.0	2,356.6	6.2	5.4	-142.11	-159.2	147.4	356.9	347.0	9.92	35.991		
2,500.0	2,480.3	2,465.0	2,454.0	6.5	5.7	-142.30	-167.9	153.9	376.5	366.1	10.38	36.287		
2,600.0	2,579.0	2,563.1	2,551.5	6.9	6.0	-142.47	-176.6	160.4	396.1	385.3	10.83	36.558		
2,700.0	2,677.7	2,661.1	2,648.9	7.2	6.2	-142.63	-185.2	166.9	415.7	404.4	11.29	36.806		
2,800.0	2,776.5	2,759.2	2,746.4	7.5	6.5	-142.77	-193.9	173.4	435.3	423.6	11.75	37.034		
2,900.0	2,875.2	2,857.2	2,843.8	7.8	6.7	-142.90	-202.6	180.0	454.9	442.7	12.21	37.245		
3,000.0	2,973.9	2,955.3	2,941.3	8.2	7.0	-143.02	-211.3	186.5	474.5	461.9	12.67	37.440		
3,100.0	3,072.6	3,053.3	3,038.7	8.5	7.2	-143.13	-219.9	193.0	494.2	481.0	13.14	37.622		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - File 3P-32H-K268 - 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	83.81	3.6	33.6	33.8					
100.0	100.0	100.0	100.0	0.2	0.2	83.81	3.6	33.6	33.8	33.5	0.30	111.199		
200.0	200.0	200.0	200.0	0.3	0.3	83.81	3.6	33.6	33.8	33.1	0.65	51.735 CC, ES		
300.0	300.0	299.6	299.6	0.5	0.5	84.81	3.1	34.3	34.4	33.4	1.00	34.334		
400.0	400.0	399.1	399.0	0.7	0.7	-147.71	1.5	36.3	36.5	35.2	1.35	27.029		
500.0	500.0	498.4	498.3	0.9	0.9	-145.10	-1.1	39.7	41.4	39.7	1.70	24.268		
600.0	599.9	597.5	597.2	1.0	1.1	-143.06	-4.8	44.5	49.1	47.0	2.06	23.797 SF		
700.0	699.8	696.1	695.5	1.2	1.3	-141.66	-9.5	50.6	59.6	57.2	2.42	24.572		
800.0	799.5	794.3	793.2	1.4	1.5	-140.77	-15.2	57.9	72.9	70.1	2.80	26.066		
900.0	899.2	891.9	890.2	1.6	1.7	-140.24	-21.9	66.6	88.9	85.8	3.18	27.985		
1,000.0	998.6	988.7	986.2	1.9	2.0	-139.93	-29.5	76.5	107.7	104.1	3.57	30.151		
1,100.0	1,097.9	1,085.0	1,081.5	2.1	2.3	-139.78	-38.1	87.5	129.2	125.2	3.98	32.453		
1,200.0	1,196.9	1,182.3	1,177.7	2.4	2.6	-139.93	-47.0	99.1	152.4	148.0	4.40	34.610		
1,300.0	1,295.7	1,279.2	1,273.5	2.7	2.9	-140.40	-55.9	110.7	176.8	172.0	4.84	36.558		
1,400.0	1,394.4	1,376.1	1,369.3	3.0	3.2	-140.92	-64.9	122.2	201.6	196.3	5.28	38.183		
1,500.0	1,493.1	1,473.0	1,465.1	3.3	3.5	-141.32	-73.8	133.8	226.3	220.6	5.73	39.534		
1,600.0	1,591.8	1,569.9	1,560.8	3.6	3.8	-141.64	-82.7	145.3	251.1	245.0	6.17	40.673		
1,700.0	1,690.5	1,666.7	1,656.6	3.9	4.1	-141.91	-91.7	156.9	275.9	269.3	6.63	41.645		
1,800.0	1,789.3	1,763.6	1,752.4	4.3	4.4	-142.13	-100.6	168.4	300.7	293.6	7.08	42.484		
1,900.0	1,888.0	1,860.5	1,848.1	4.6	4.7	-142.32	-109.5	180.0	325.5	318.0	7.53	43.214		
2,000.0	1,986.7	1,957.4	1,943.9	4.9	5.0	-142.48	-118.4	191.5	350.3	342.3	7.99	43.855		
2,100.0	2,085.4	2,054.2	2,039.7	5.2	5.3	-142.62	-127.4	203.1	375.1	366.6	8.44	44.422		
2,200.0	2,184.1	2,151.1	2,135.4	5.6	5.6	-142.74	-136.3	214.7	399.9	391.0	8.90	44.927		
2,300.0	2,282.9	2,248.0	2,231.2	5.9	5.9	-142.85	-145.2	226.2	424.7	415.3	9.36	45.380		
2,400.0	2,381.6	2,344.8	2,326.9	6.2	6.2	-142.94	-154.1	237.8	449.5	439.7	9.82	45.787		
2,500.0	2,480.3	2,441.7	2,422.7	6.5	6.5	-143.03	-163.1	249.3	474.3	464.0	10.28	46.156		
2,600.0	2,579.0	2,538.6	2,518.5	6.9	6.8	-143.11	-172.0	260.9	499.1	488.4	10.74	46.492		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - NELSON 4 (EXISTING) - TEXAS TEA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 4996-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	59.11	185.8	310.5	361.9					
100.0	100.0	99.0	99.0	0.2	0.2	59.11	185.8	310.5	361.9	361.6	0.32	1,116.159		
200.0	200.0	199.0	199.0	0.3	0.3	59.11	185.8	310.5	361.9	361.2	0.67	537.817		
300.0	300.0	299.0	299.0	0.5	0.5	59.11	185.8	310.5	361.9	360.9	1.02	354.257 CC		
327.8	327.8	326.8	326.8	0.5	0.6	-176.01	185.8	310.5	361.9	360.8	1.12	323.603		
400.0	400.0	399.0	399.0	0.7	0.7	-176.01	185.8	310.5	362.1	360.7	1.37	264.279 ES		
500.0	500.0	499.0	499.0	0.9	0.9	-176.03	185.8	310.5	363.8	362.1	1.72	211.725		
600.0	599.9	598.9	598.9	1.0	1.0	-176.07	185.8	310.5	367.3	365.3	2.07	177.769		
700.0	699.8	698.8	698.8	1.2	1.2	-176.12	185.8	310.5	372.5	370.1	2.41	154.358		
800.0	799.5	798.5	798.5	1.4	1.4	-176.19	185.8	310.5	379.5	376.7	2.76	137.506		
900.0	899.2	898.2	898.2	1.6	1.6	-176.27	185.8	310.5	388.2	385.1	3.11	125.010		
1,000.0	998.6	997.6	997.6	1.9	1.7	-176.36	185.8	310.5	398.6	395.2	3.45	115.556		
1,100.0	1,097.9	1,096.9	1,096.9	2.1	1.9	-176.46	185.8	310.5	410.8	407.0	3.79	108.312		
1,200.0	1,196.9	1,195.9	1,195.9	2.4	2.1	-176.56	185.8	310.5	424.7	420.5	4.13	102.724		
1,300.0	1,295.7	1,294.7	1,294.7	2.7	2.3	-176.68	185.8	310.5	440.2	435.7	4.48	98.341		
1,400.0	1,394.4	1,393.4	1,393.4	3.0	2.4	-176.80	185.8	310.5	456.1	451.3	4.82	94.582		
1,500.0	1,493.1	1,492.1	1,492.1	3.3	2.6	-176.90	185.8	310.5	472.1	466.9	5.17	91.329		
1,600.0	1,591.8	1,590.8	1,590.8	3.6	2.8	-177.01	185.8	310.5	488.0	482.5	5.51	88.485 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8140-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	
2,400.0	2,381.6	2,370.6	2,370.6	6.2	4.1	-17.60	-539.9	-513.7	499.0	490.5	8.50	58.712		
2,500.0	2,480.3	2,469.3	2,469.3	6.5	4.3	-18.17	-539.9	-513.7	483.8	474.9	8.88	54.492		
2,600.0	2,579.0	2,568.0	2,568.0	6.9	4.5	-18.78	-539.9	-513.7	468.6	459.4	9.26	50.602		
2,700.0	2,677.7	2,666.7	2,666.7	7.2	4.7	-19.43	-539.9	-513.7	453.6	443.9	9.65	47.007		
2,800.0	2,776.5	2,765.5	2,765.5	7.5	4.8	-20.12	-539.9	-513.7	438.5	428.5	10.04	43.673		
2,900.0	2,875.2	2,864.2	2,864.2	7.8	5.0	-20.86	-539.9	-513.7	423.6	413.1	10.44	40.575		
3,000.0	2,973.9	2,962.9	2,962.9	8.2	5.2	-21.66	-539.9	-513.7	408.7	397.8	10.84	37.690		
3,100.0	3,072.6	3,061.6	3,061.6	8.5	5.3	-22.51	-539.9	-513.7	393.9	382.6	11.25	34.997		
3,200.0	3,171.3	3,160.3	3,160.3	8.8	5.5	-23.43	-539.9	-513.7	379.2	367.5	11.67	32.479		
3,300.0	3,270.1	3,259.1	3,259.1	9.1	5.7	-24.43	-539.9	-513.7	364.5	352.4	12.10	30.121		
3,400.0	3,368.8	3,357.8	3,357.8	9.5	5.9	-25.50	-539.9	-513.7	350.1	337.5	12.54	27.911		
3,500.0	3,467.5	3,456.5	3,456.5	9.8	6.0	-26.67	-539.9	-513.7	335.7	322.7	12.99	25.836		
3,600.0	3,566.2	3,555.2	3,555.2	10.1	6.2	-27.95	-539.9	-513.7	321.5	308.0	13.46	23.886		
3,700.0	3,664.9	3,653.9	3,653.9	10.5	6.4	-29.33	-539.9	-513.7	307.4	293.5	13.94	22.054		
3,800.0	3,763.7	3,752.7	3,752.7	10.8	6.5	-30.85	-539.9	-513.7	293.6	279.2	14.44	20.332		
3,900.0	3,862.4	3,851.4	3,851.4	11.1	6.7	-32.52	-539.9	-513.7	280.0	265.0	14.96	18.714		
4,000.0	3,961.1	3,950.1	3,950.1	11.4	6.9	-34.36	-539.9	-513.7	266.6	251.1	15.51	17.195		
4,100.0	4,059.8	4,048.8	4,048.8	11.8	7.1	-36.38	-539.9	-513.7	253.5	237.5	16.08	15.772		
4,200.0	4,158.5	4,147.5	4,147.5	12.1	7.2	-38.62	-539.9	-513.7	240.8	224.2	16.68	14.441		
4,300.0	4,257.3	4,246.3	4,246.3	12.4	7.4	-41.11	-539.9	-513.7	228.5	211.2	17.31	13.201		
4,400.0	4,356.0	4,345.0	4,345.0	12.8	7.6	-43.86	-539.9	-513.7	216.7	198.7	17.98	12.051		
4,500.0	4,454.7	4,443.7	4,443.7	13.1	7.8	-46.93	-539.9	-513.7	205.4	186.7	18.69	10.992		
4,600.0	4,553.4	4,542.4	4,542.4	13.4	7.9	-50.33	-539.9	-513.7	194.8	175.4	19.43	10.025		
4,700.0	4,652.1	4,641.1	4,641.1	13.8	8.1	-54.10	-539.9	-513.7	184.9	164.7	20.21	9.151		
4,800.0	4,750.9	4,739.9	4,739.9	14.1	8.3	-58.28	-539.9	-513.7	176.0	155.0	21.01	8.375		
4,900.0	4,849.6	4,838.6	4,838.6	14.4	8.4	-62.86	-539.9	-513.7	168.1	146.2	21.83	7.697		
5,000.0	4,948.3	4,937.3	4,937.3	14.7	8.6	-67.85	-539.9	-513.7	161.3	138.7	22.65	7.123		
5,100.0	5,047.0	5,036.0	5,036.0	15.1	8.8	-73.22	-539.9	-513.7	155.9	132.5	23.44	6.654		
5,200.0	5,145.7	5,134.7	5,134.7	15.4	9.0	-78.91	-539.9	-513.7	152.1	127.9	24.17	6.291		
5,300.0	5,244.5	5,233.5	5,233.5	15.7	9.1	-84.84	-539.9	-513.7	149.8	124.9	24.82	6.034		
5,385.6	5,329.0	5,318.0	5,318.0	16.0	9.3	-90.00	-539.9	-513.7	149.1	123.9	25.29	5.897 CC		
5,400.0	5,343.2	5,332.2	5,332.2	16.1	9.3	-90.87	-539.9	-513.7	149.2	123.8	25.36	5.881 ES		
5,500.0	5,441.9	5,430.9	5,430.9	16.4	9.5	-96.89	-539.9	-513.7	150.3	124.5	25.79	5.827 SF		
5,600.0	5,540.6	5,529.6	5,529.6	16.7	9.7	-102.75	-539.9	-513.7	153.0	126.9	26.09	5.864		
5,700.0	5,639.3	5,628.3	5,628.3	17.0	9.8	-108.36	-539.9	-513.7	157.3	131.1	26.30	5.984		
5,800.0	5,738.1	5,727.1	5,727.1	17.4	10.0	-113.63	-539.9	-513.7	163.1	136.7	26.41	6.177		
5,900.0	5,836.8	5,825.8	5,825.8	17.7	10.2	-118.50	-539.9	-513.7	170.2	143.8	26.47	6.431		
6,000.0	5,935.5	5,924.5	5,924.5	18.0	10.3	-122.97	-539.9	-513.7	178.5	152.0	26.48	6.738		
6,100.0	6,034.2	6,023.2	6,023.2	18.4	10.5	-127.02	-539.9	-513.7	187.7	161.2	26.48	7.087		
6,200.0	6,132.9	6,121.9	6,121.9	18.7	10.7	-130.69	-539.9	-513.7	197.8	171.3	26.48	7.468		
6,300.0	6,231.7	6,220.7	6,220.7	19.0	10.9	-133.99	-539.9	-513.7	208.6	182.1	26.49	7.875		
6,400.0	6,330.4	6,319.4	6,319.4	19.4	11.0	-136.96	-539.9	-513.7	220.0	193.5	26.51	8.300		
6,500.0	6,429.1	6,418.1	6,418.1	19.7	11.2	-139.64	-539.9	-513.7	232.0	205.5	26.55	8.738		
6,600.0	6,527.8	6,516.8	6,516.8	20.0	11.4	-142.05	-539.9	-513.7	244.5	217.8	26.61	9.185		
6,700.0	6,626.5	6,615.5	6,615.5	20.3	11.5	-144.22	-539.9	-513.7	257.3	230.6	26.70	9.636		
6,800.0	6,725.3	6,714.3	6,714.3	20.7	11.7	-146.19	-539.9	-513.7	270.4	243.6	26.81	10.089		
6,900.0	6,824.0	6,813.0	6,813.0	21.0	11.9	-147.97	-539.9	-513.7	283.9	256.9	26.93	10.540		
7,000.0	6,922.7	6,911.7	6,911.7	21.3	12.1	-149.60	-539.9	-513.7	297.6	270.5	27.08	10.989		
7,100.0	7,021.5	7,010.5	7,010.5	21.6	12.2	-173.53	-539.9	-513.7	311.4	284.2	27.18	11.453		
7,200.0	7,120.3	7,109.3	7,109.3	21.8	12.4	126.56	-539.9	-513.7	323.8	296.4	27.43	11.806		
7,300.0	7,216.7	7,205.7	7,205.7	21.9	12.6	109.80	-539.9	-513.7	335.5	307.6	27.92	12.018		
7,400.0	7,307.6	7,296.6	7,296.6	21.8	12.7	107.20	-539.9	-513.7	349.3	321.0	28.38	12.310		

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 File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - NELSON E UNIT 1 (EXISTING) - ENCANA WELL - NO SURVEYS		Offset Site Error:		0.0 ft
Survey Program:													8140-Geolink MWD		Offset Well Error:		0.0 ft
Offset				Semi Major Axis			Distance							Warning			
Reference		Offset		Reference	Offset	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	(ft)	(ft)		+N/-S (ft)	+E/-W (ft)									
7,500.0	7,390.3	7,379.3	7,379.3	21.6	12.9	108.75	-539.9	-513.7	369.7	341.2	28.50	12.972					
7,600.0	7,462.3	7,451.3	7,451.3	21.4	13.0	110.85	-539.9	-513.7	400.9	372.8	28.13	14.254					
7,700.0	7,521.4	7,510.4	7,510.4	21.3	13.1	111.47	-539.9	-513.7	445.4	418.0	27.44	16.235					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 0-4-32 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 8184-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	
9,200.0	7,606.0	7,583.0	7,583.0	30.8	13.2	-90.00	1,677.1	-969.6	498.6	458.9	39.67	12.568	
9,300.0	7,606.0	7,583.0	7,583.0	32.1	13.2	-90.00	1,677.1	-969.6	399.8	358.6	41.18	9.708	
9,400.0	7,606.0	7,583.0	7,583.0	33.5	13.2	-90.00	1,677.1	-969.6	301.8	259.1	42.72	7.064	
9,500.0	7,606.0	7,583.0	7,583.0	34.8	13.2	-90.00	1,677.1	-969.6	205.7	161.4	44.28	4.646	
9,600.0	7,606.0	7,583.0	7,583.0	36.3	13.2	-90.00	1,677.1	-969.6	116.4	70.5	45.86	2.538	
9,693.8	7,606.0	7,583.0	7,583.0	37.6	13.2	-90.00	1,677.1	-969.6	68.9	21.5	47.36	1.454	Level 3, CC, ES, SF
9,700.0	7,606.0	7,583.0	7,583.0	37.7	13.2	-90.00	1,677.1	-969.6	69.1	21.7	47.46	1.457	Level 3
9,800.0	7,606.0	7,583.0	7,583.0	39.2	13.2	-90.00	1,677.1	-969.6	126.5	77.5	49.07	2.579	
9,900.0	7,606.0	7,583.0	7,583.0	40.7	13.2	-90.00	1,677.1	-969.6	217.4	166.7	50.69	4.288	
10,000.0	7,606.0	7,583.0	7,583.0	42.2	13.2	-90.00	1,677.1	-969.6	313.8	261.5	52.33	5.997	
10,100.0	7,606.0	7,583.0	7,583.0	43.7	13.2	-90.00	1,677.1	-969.6	412.0	358.0	53.97	7.633	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 12-32 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8100-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		
9,300.0	7,606.0	7,520.0	7,520.0	32.1	13.1	-90.00	1,687.7	-960.4	408.8	367.7	41.07	9.952		
9,400.0	7,606.0	7,520.0	7,520.0	33.5	13.1	-90.00	1,687.7	-960.4	310.2	267.6	42.61	7.280		
9,500.0	7,606.0	7,520.0	7,520.0	34.8	13.1	-90.00	1,687.7	-960.4	212.9	168.8	44.17	4.821		
9,600.0	7,606.0	7,520.0	7,520.0	36.3	13.1	-90.00	1,687.7	-960.4	120.2	74.5	45.75	2.628		
9,700.0	7,606.0	7,520.0	7,520.0	37.7	13.1	-90.00	1,687.7	-960.4	59.8	12.5	47.35	1.263 Level 3		
9,704.4	7,606.0	7,520.0	7,520.0	37.8	13.1	-90.00	1,687.7	-960.4	59.6	12.2	47.42	1.258 Level 3, CC, ES, SF		
9,800.0	7,606.0	7,520.0	7,520.0	39.2	13.1	-90.00	1,687.7	-960.4	112.7	63.7	48.96	2.301		
9,900.0	7,606.0	7,520.0	7,520.0	40.7	13.1	-90.00	1,687.7	-960.4	204.5	153.9	50.58	4.042		
10,000.0	7,606.0	7,520.0	7,520.0	42.2	13.1	-90.00	1,687.7	-960.4	301.5	249.3	52.22	5.775		
10,100.0	7,606.0	7,520.0	7,520.0	43.7	13.1	-90.00	1,687.7	-960.4	400.1	346.2	53.86	7.427		
10,200.0	7,606.0	7,520.0	7,520.0	45.2	13.1	-90.00	1,687.7	-960.4	499.2	443.6	55.52	8.991		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 13-32 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 119-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	
8,000.0	7,605.8	7,757.3	7,606.2	21.1	26.4	-85.95	388.5	-1,174.0	488.8	450.5	38.27	12.771	
8,100.0	7,606.0	7,759.5	7,608.4	21.3	26.4	-88.82	388.6	-1,174.0	409.7	371.2	38.55	10.627	
8,200.0	7,606.0	7,761.4	7,610.3	21.7	26.4	-89.23	388.6	-1,174.0	341.8	302.7	39.05	8.753	
8,300.0	7,606.0	7,763.3	7,612.2	22.1	26.4	-89.63	388.6	-1,174.0	292.8	253.1	39.73	7.371	
8,400.0	7,606.0	7,765.3	7,614.2	22.7	26.4	-90.03	388.7	-1,174.0	273.3	232.7	40.57	6.737	
8,405.4	7,606.0	7,765.4	7,614.3	22.7	26.4	-90.06	388.7	-1,174.0	273.2	232.6	40.62	6.727	CC, ES, SF
8,500.0	7,606.0	7,767.2	7,616.1	23.4	26.4	-90.44	388.7	-1,174.0	289.2	247.6	41.54	6.960	
8,600.0	7,606.0	7,769.1	7,618.0	24.2	26.4	-90.84	388.7	-1,174.0	335.4	292.8	42.63	7.868	
8,700.0	7,606.0	7,771.0	7,620.0	25.1	26.4	-91.25	388.8	-1,174.0	401.8	358.0	43.82	9.170	
8,800.0	7,606.0	7,773.0	7,621.9	26.1	26.4	-91.65	388.8	-1,174.0	479.9	434.9	45.08	10.646	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 23-32 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8140-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth 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	71.04	157.7	459.1	495.0					
100.0	100.0	3.0	3.0	0.2	0.0	71.04	157.7	459.1	485.4	485.3	0.16	3,086.497		
200.0	200.0	103.0	103.0	0.3	0.2	71.04	157.7	459.1	485.4	484.9	0.51	958.724		
300.0	300.0	203.0	203.0	0.5	0.4	71.04	157.7	459.1	485.4	484.6	0.86	567.500 CC		
327.8	327.8	230.8	230.8	0.5	0.4	-164.08	157.7	459.1	485.5	484.5	0.95	509.742		
400.0	400.0	303.0	303.0	0.7	0.5	-164.09	157.7	459.1	485.7	484.4	1.20	403.217 ES		
500.0	500.0	403.0	403.0	0.9	0.7	-164.14	157.7	459.1	487.3	485.8	1.55	313.731		
600.0	599.9	502.9	502.9	1.0	0.9	-164.24	157.7	459.1	490.7	488.8	1.90	257.966		
700.0	699.8	602.8	602.8	1.2	1.1	-164.39	157.7	459.1	495.7	493.5	2.25	220.230 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 2-4-32 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 8244-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	
9,200.0	7,606.0	7,583.0	7,583.0	30.8	13.2	-90.00	1,677.2	-976.1	499.6	459.9	39.67	12.591	
9,300.0	7,606.0	7,583.0	7,583.0	32.1	13.2	-90.00	1,677.2	-976.1	401.0	359.8	41.18	9.736	
9,400.0	7,606.0	7,583.0	7,583.0	33.5	13.2	-90.00	1,677.2	-976.1	303.3	260.6	42.72	7.101	
9,500.0	7,606.0	7,583.0	7,583.0	34.8	13.2	-90.00	1,677.2	-976.1	208.0	163.7	44.28	4.696	
9,600.0	7,606.0	7,583.0	7,583.0	36.3	13.2	-90.00	1,677.2	-976.1	120.3	74.5	45.86	2.624	
9,693.8	7,606.0	7,583.0	7,583.0	37.6	13.2	-90.00	1,677.2	-976.1	75.3	27.9	47.36	1.590	CC, ES, SF
9,700.0	7,606.0	7,583.0	7,583.0	37.7	13.2	-90.00	1,677.2	-976.1	75.6	28.1	47.46	1.592	
9,800.0	7,606.0	7,583.0	7,583.0	39.2	13.2	-90.00	1,677.2	-976.1	130.1	81.1	49.07	2.652	
9,900.0	7,606.0	7,583.0	7,583.0	40.7	13.2	-90.00	1,677.2	-976.1	219.5	168.8	50.69	4.330	
10,000.0	7,606.0	7,583.0	7,583.0	42.2	13.2	-90.00	1,677.2	-976.1	315.3	262.9	52.33	6.025	
10,100.0	7,606.0	7,583.0	7,583.0	43.7	13.2	-90.00	1,677.2	-976.1	413.1	359.1	53.97	7.653	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 4-4-32 (EXISTING) - ENCANA WELL - SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 60-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	3.2	3.2	0.0	0.0	67.28	189.1	451.6	489.5						
100.0	100.0	105.2	105.2	0.2	0.2	67.13	190.1	450.5	489.0	488.7	0.31	1,580.618			
124.9	124.9	127.9	127.9	0.2	0.2	67.08	190.4	450.3	488.9	488.5	0.39	1,244.949	CC, ES		
200.0	200.0	195.9	195.9	0.3	0.3	66.88	192.2	450.1	489.5	488.8	0.64	761.892			
300.0	300.0	282.9	282.8	0.5	0.5	66.53	195.9	451.1	492.2	491.3	0.97	508.750			
400.0	400.0	366.0	365.7	0.7	0.7	-169.02	201.1	454.0	498.2	496.8	1.31	378.902	SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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) - RAY NELSON 4-6-32 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft			
Survey Program: 60-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	3.1	3.1	0.0	0.0	69.54	171.2	458.8	489.7							
100.0	100.0	105.0	105.0	0.2	0.2	69.59	170.6	458.7	489.4	489.1	0.31	1,593.344				
190.2	190.2	193.2	193.2	0.3	0.3	69.80	168.9	459.0	489.1	488.5	0.62	789.984 CC				
200.0	200.0	202.1	202.1	0.3	0.3	69.83	168.6	459.1	489.1	488.5	0.65	750.319 ES				
300.0	300.0	298.2	298.1	0.5	0.5	70.39	164.3	461.2	489.6	488.6	1.00	489.287				
400.0	400.0	390.8	390.3	0.7	0.7	-163.83	157.5	465.1	491.4	490.0	1.39	353.549				
500.0	500.0	482.2	481.1	0.9	0.9	-162.74	149.3	471.4	496.9	495.1	1.78	278.414 SF				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well File 3K-32H-K268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Reference Site:</b>	S32-T2N-R68W (File)	<b>MD Reference:</b>	WELL @ 4971.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	File 3K-32H-K268	<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 @ 4971.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

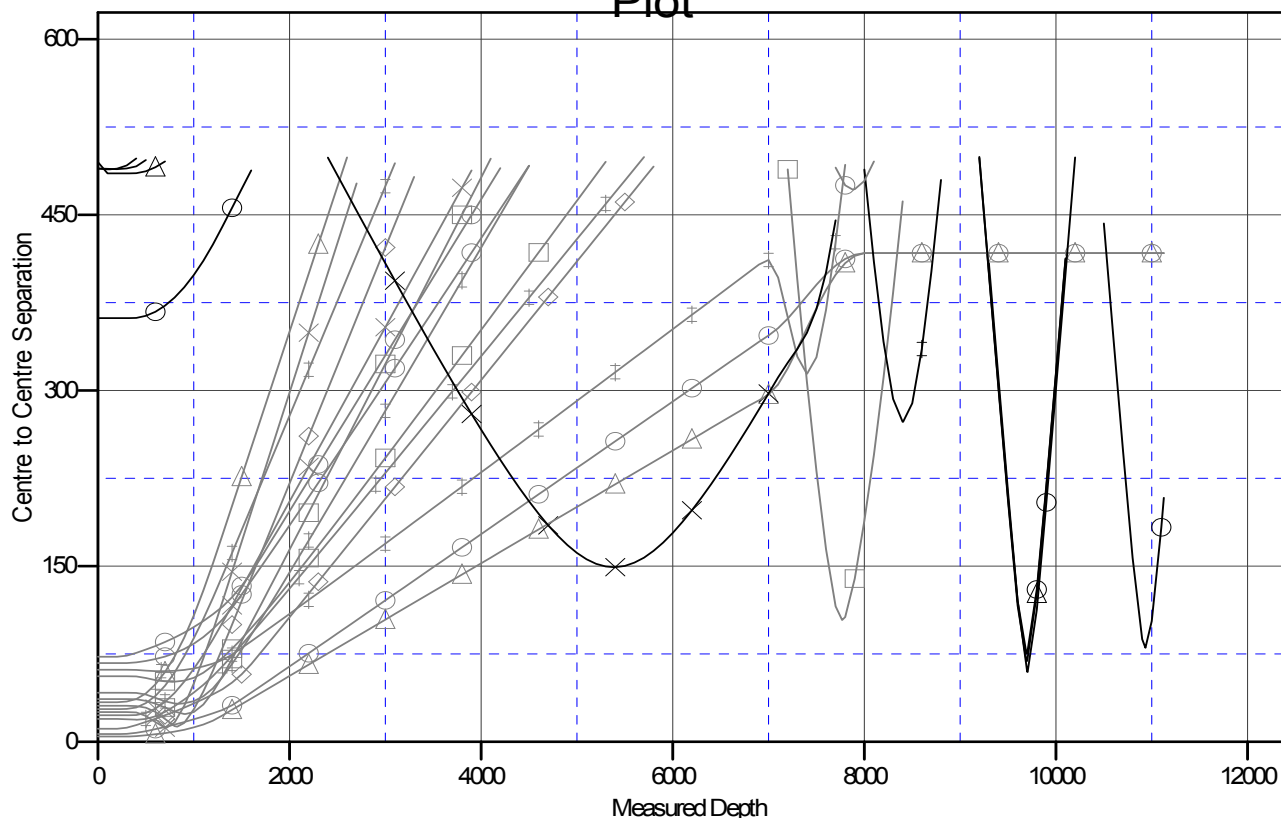
Central Meridian is -105.500000 °

Coordinates are relative to: File 3K-32H-K268

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.30°

## Ladder Plot



## LEGEND

VO	●	FEDERAL NOAA 11-32 (EXISTING), ENCANA WELL, NOSURVEYS V0	●	RAY NELSON 13-32 (EXISTING), ENCANA WELL, NOSURVEYS V0
VO	●	NELSON 4 (EXISTING), TEXAS TEA WELL, NOSURVEYS V0	●	File 3M-32H-K268, Hz, Plan #1 V0
VO	●	File 3O-32H-K268, Hz, Plan #1 V0	●	File 3B-32H-K268, Hz, Plan #1 V0
VO	●	File 3P-32H-K268, Hz, Plan #1 V0	●	File 3A-32H-K268, Hz, Plan #1 V0
VO	●	RAY NELSON 4-4-32 (EXISTING), ENCANA WELL, SURVEYS V0	●	File 3I-32H-K268, Hz, Plan #1 V0
VO	●	RAY NELSON 2-4-32 (EXISTING), ENCANA WELL, NOSURVEYS V0	●	File 3H-32H-K268, Hz, Plan #1 V0
VO	●	RAY NELSON 12-32 (EXISTING), ENCANA WELL, NOSURVEYS V0	●	NELSON E UNIT 1 (EXISTING), ENCANA WELL, NOSURVEYS V0
VO	●	File 3G-32H-K268, Hz, Plan #1 V0		
VO	●	RAY NELSON 23-32 (EXISTING), ENCANA WELL, NOSURVEYS V0		