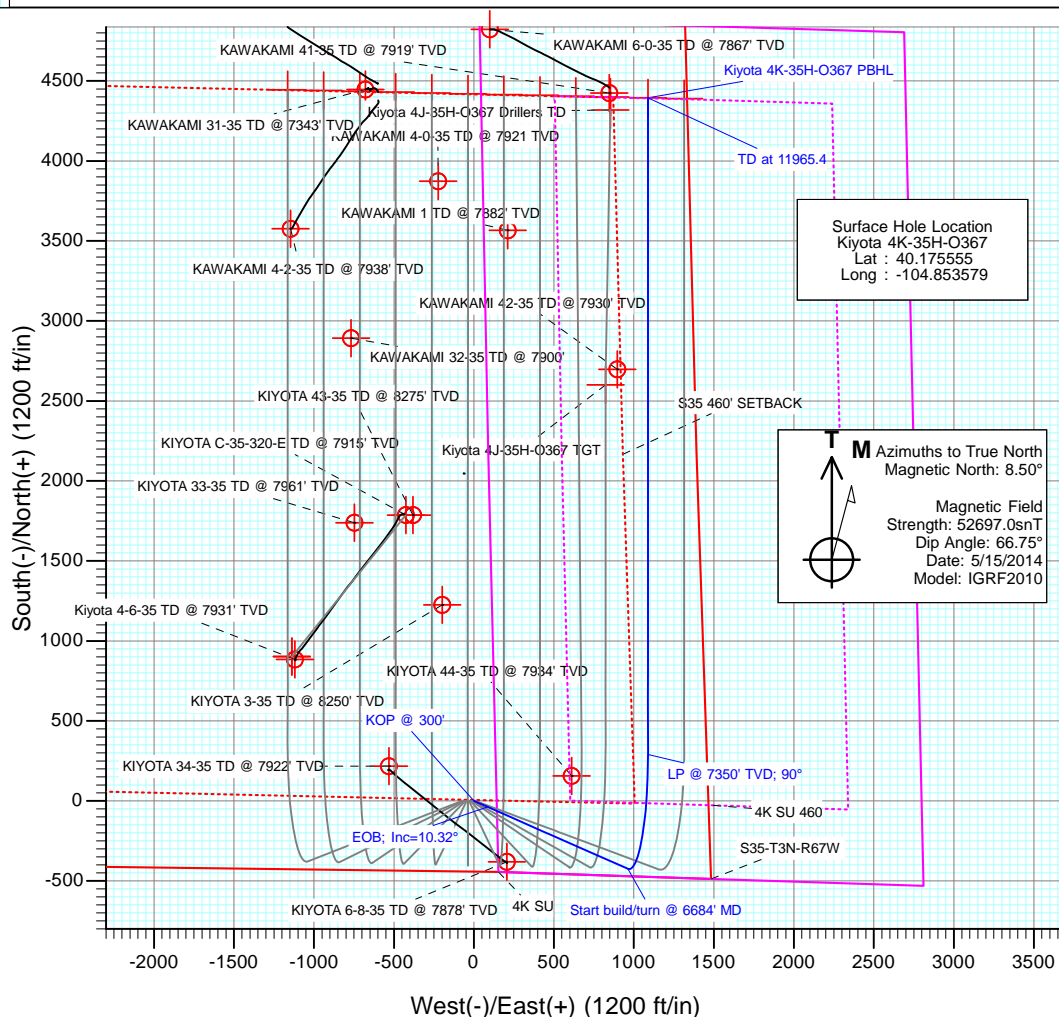


SECTION DETAILS									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect
1	0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.0
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0
3	1331.6	10.32	113.81	1326.0	-37.4	84.7	1.00	113.81	-37.4
4	6684.6	10.32	113.81	6592.5	-424.3	961.8	0.00	0.00	-424.3
5	7861.4	90.00	0.00	7350.0	290.0	1087.9	8.00	-113.46	290.0
6	11965.4	90.00	0.00	7350.0	4394.0	1087.9	0.00	0.00	4394.0



DESIGN TARGET DETAILS					
Name	+N/-S	+E/-W	Northing	Easting	Latitude
Kiyota 4K-35H-O367 PBHL	4394.0	1087.9	1311860.39	3181691.60	40.187617

Plan #1  
Kiyota 4K-35H-O367  
14xxx; LR  
13' KB @ 4848.0ft (Original Well Elev)  
Ground Elevation @ 4835.0  
North American Datum 1983  
Well Kiyota 4K-35H-O367, True North

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
248.0	248.0	Fox Hills - BASE
4118.0	4169.4	Sussex
4408.0	4464.2	Shannon
4708.0	4769.1	Teepee Buttes (*if present)
6983.0	7095.4	Sharon Springs
7071.0	7201.8	Niobrara
7105.0	7246.2	B Chalk
7138.0	7291.6	B Marl
7168.0	7335.6	C Chalk
7210.0	7402.7	C Marl
7256.0	7487.7	D Chalk
7303.0	7598.7	Fort Hayes
7325.0	7670.3	Codell
7348.0	7807.5	Fairport

Vertical Section at 0.00° (1000 ft/in)

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site:</b>	S35-T3N-R67W (Kiyota)	<b>North Reference:</b>	True
<b>Well:</b>	Kiyota 4K-35H-O367	<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		S35-T3N-R67W (Kiyota)			
Site Position:		Northing:	1,309,242.22 ft	Latitude:	40.180460
From:	Lat/Long	Easting:	3,180,197.74 ft	Longitude:	-104.855100
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.42 °

Well	Kiyota 4K-35H-O367					
Well Position	+N/-S	0.0 ft	Northing:	1,307,458.54 ft	Latitude:	40.175555
	+E/-W	0.0 ft	Easting:	3,180,635.74 ft	Longitude:	-104.853579
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,835.0 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	5/15/2014	8.50	66.75	52,697

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	0.00

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,331.6	10.32	113.81	1,326.0	-37.4	84.7	1.00	1.00	0.00	113.81	
6,684.6	10.32	113.81	6,592.5	-424.3	961.8	0.00	0.00	0.00	0.00	
7,861.4	90.00	0.00	7,350.0	290.0	1,087.9	8.00	6.77	-9.67	-113.46	
11,965.4	90.00	0.00	7,350.0	4,394.0	1,087.9	0.00	0.00	0.00	0.00	Kiyota 4K-35H-O367

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site:</b>	S35-T3N-R67W (Kiyota)	<b>North Reference:</b>	True
<b>Well:</b>	Kiyota 4K-35H-O367	<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	
248.0	0.00	0.00	248.0	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	KOP @ 300'
400.0	1.00	113.81	400.0	-0.4	0.8	-0.4	1.00	1.00	
500.0	2.00	113.81	500.0	-1.4	3.2	-1.4	1.00	1.00	
600.0	3.00	113.81	599.9	-3.2	7.2	-3.2	1.00	1.00	
700.0	4.00	113.81	699.7	-5.6	12.8	-5.6	1.00	1.00	
800.0	5.00	113.81	799.4	-8.8	19.9	-8.8	1.00	1.00	
900.0	6.00	113.81	898.9	-12.7	28.7	-12.7	1.00	1.00	
1,000.0	7.00	113.81	998.3	-17.2	39.1	-17.2	1.00	1.00	
1,100.0	8.00	113.81	1,097.4	-22.5	51.0	-22.5	1.00	1.00	
1,200.0	9.00	113.81	1,196.3	-28.5	64.5	-28.5	1.00	1.00	
1,300.0	10.00	113.81	1,294.9	-35.1	79.6	-35.1	1.00	1.00	
1,331.6	10.32	113.81	1,326.0	-37.4	84.7	-37.4	1.00	1.00	EOB; Inc=10.32°
1,400.0	10.32	113.81	1,393.3	-42.3	95.9	-42.3	0.00	0.00	
1,500.0	10.32	113.81	1,491.7	-49.6	112.3	-49.6	0.00	0.00	
1,600.0	10.32	113.81	1,590.1	-56.8	128.7	-56.8	0.00	0.00	
1,700.0	10.32	113.81	1,688.5	-64.0	145.1	-64.0	0.00	0.00	
1,800.0	10.32	113.81	1,786.9	-71.2	161.5	-71.2	0.00	0.00	
1,900.0	10.32	113.81	1,885.2	-78.5	177.9	-78.5	0.00	0.00	
2,000.0	10.32	113.81	1,983.6	-85.7	194.2	-85.7	0.00	0.00	
2,100.0	10.32	113.81	2,082.0	-92.9	210.6	-92.9	0.00	0.00	
2,200.0	10.32	113.81	2,180.4	-100.2	227.0	-100.2	0.00	0.00	
2,300.0	10.32	113.81	2,278.8	-107.4	243.4	-107.4	0.00	0.00	
2,400.0	10.32	113.81	2,377.2	-114.6	259.8	-114.6	0.00	0.00	
2,500.0	10.32	113.81	2,475.5	-121.8	276.2	-121.8	0.00	0.00	
2,600.0	10.32	113.81	2,573.9	-129.1	292.6	-129.1	0.00	0.00	
2,700.0	10.32	113.81	2,672.3	-136.3	308.9	-136.3	0.00	0.00	
2,800.0	10.32	113.81	2,770.7	-143.5	325.3	-143.5	0.00	0.00	
2,900.0	10.32	113.81	2,869.1	-150.7	341.7	-150.7	0.00	0.00	
3,000.0	10.32	113.81	2,967.5	-158.0	358.1	-158.0	0.00	0.00	
3,100.0	10.32	113.81	3,065.9	-165.2	374.5	-165.2	0.00	0.00	
3,200.0	10.32	113.81	3,164.2	-172.4	390.9	-172.4	0.00	0.00	
3,300.0	10.32	113.81	3,262.6	-179.7	407.2	-179.7	0.00	0.00	
3,400.0	10.32	113.81	3,361.0	-186.9	423.6	-186.9	0.00	0.00	
3,500.0	10.32	113.81	3,459.4	-194.1	440.0	-194.1	0.00	0.00	
3,600.0	10.32	113.81	3,557.8	-201.3	456.4	-201.3	0.00	0.00	
3,700.0	10.32	113.81	3,656.2	-208.6	472.8	-208.6	0.00	0.00	
3,800.0	10.32	113.81	3,754.5	-215.8	489.2	-215.8	0.00	0.00	
3,900.0	10.32	113.81	3,852.9	-223.0	505.5	-223.0	0.00	0.00	
4,000.0	10.32	113.81	3,951.3	-230.3	521.9	-230.3	0.00	0.00	
4,100.0	10.32	113.81	4,049.7	-237.5	538.3	-237.5	0.00	0.00	
4,169.4	10.32	113.81	4,118.0	-242.5	549.7	-242.5	0.00	0.00	Sussex
4,200.0	10.32	113.81	4,148.1	-244.7	554.7	-244.7	0.00	0.00	
4,300.0	10.32	113.81	4,246.5	-251.9	571.1	-251.9	0.00	0.00	
4,400.0	10.32	113.81	4,344.8	-259.2	587.5	-259.2	0.00	0.00	
4,464.2	10.32	113.81	4,408.0	-263.8	598.0	-263.8	0.00	0.00	Shannon
4,500.0	10.32	113.81	4,443.2	-266.4	603.8	-266.4	0.00	0.00	
4,600.0	10.32	113.81	4,541.6	-273.6	620.2	-273.6	0.00	0.00	
4,700.0	10.32	113.81	4,640.0	-280.9	636.6	-280.9	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site:</b>	S35-T3N-R67W (Kiyota)	<b>North Reference:</b>	True
<b>Well:</b>	Kiyota 4K-35H-O367	<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
4,769.1	10.32	113.81	4,708.0	-285.8	647.9	-285.8	0.00	0.00	Teepee Buttes (*if present)
4,800.0	10.32	113.81	4,738.4	-288.1	653.0	-288.1	0.00	0.00	
4,900.0	10.32	113.81	4,836.8	-295.3	669.4	-295.3	0.00	0.00	
5,000.0	10.32	113.81	4,935.1	-302.5	685.8	-302.5	0.00	0.00	
5,100.0	10.32	113.81	5,033.5	-309.8	702.2	-309.8	0.00	0.00	
5,200.0	10.32	113.81	5,131.9	-317.0	718.5	-317.0	0.00	0.00	
5,300.0	10.32	113.81	5,230.3	-324.2	734.9	-324.2	0.00	0.00	
5,400.0	10.32	113.81	5,328.7	-331.4	751.3	-331.4	0.00	0.00	
5,500.0	10.32	113.81	5,427.1	-338.7	767.7	-338.7	0.00	0.00	
5,600.0	10.32	113.81	5,525.4	-345.9	784.1	-345.9	0.00	0.00	
5,700.0	10.32	113.81	5,623.8	-353.1	800.5	-353.1	0.00	0.00	
5,800.0	10.32	113.81	5,722.2	-360.4	816.8	-360.4	0.00	0.00	
5,900.0	10.32	113.81	5,820.6	-367.6	833.2	-367.6	0.00	0.00	
6,000.0	10.32	113.81	5,919.0	-374.8	849.6	-374.8	0.00	0.00	
6,100.0	10.32	113.81	6,017.4	-382.0	866.0	-382.0	0.00	0.00	
6,200.0	10.32	113.81	6,115.7	-389.3	882.4	-389.3	0.00	0.00	
6,300.0	10.32	113.81	6,214.1	-396.5	898.8	-396.5	0.00	0.00	
6,400.0	10.32	113.81	6,312.5	-403.7	915.1	-403.7	0.00	0.00	
6,500.0	10.32	113.81	6,410.9	-411.0	931.5	-411.0	0.00	0.00	
6,600.0	10.32	113.81	6,509.3	-418.2	947.9	-418.2	0.00	0.00	
6,684.6	10.32	113.81	6,592.5	-424.3	961.8	-424.3	0.00	0.00	Start build/turn @ 6684' MD
6,700.0	9.89	107.20	6,607.7	-425.2	964.3	-425.2	8.00	-2.77	
6,800.0	10.73	61.54	6,706.2	-423.3	980.7	-423.3	8.00	0.84	
6,900.0	16.10	35.24	6,803.5	-407.6	996.9	-407.6	8.00	5.37	
7,000.0	23.02	23.07	6,897.7	-378.2	1,012.6	-378.2	8.00	6.92	
7,095.4	30.11	16.69	6,983.0	-338.1	1,026.8	-338.1	8.00	7.43	Sharon Springs
7,100.0	30.46	16.45	6,987.0	-335.8	1,027.5	-335.8	8.00	7.56	
7,200.0	38.11	12.26	7,069.6	-281.3	1,041.2	-281.3	8.00	7.65	
7,201.8	38.25	12.20	7,071.0	-280.2	1,041.5	-280.2	8.00	7.71	Niobrara
7,246.2	41.68	10.78	7,105.0	-252.3	1,047.1	-252.3	8.00	7.73	B Chalk
7,291.6	45.21	9.52	7,138.0	-221.5	1,052.6	-221.5	8.00	7.77	B Marl
7,300.0	45.86	9.30	7,143.9	-215.6	1,053.6	-215.6	8.00	7.79	
7,335.6	48.63	8.43	7,168.0	-189.8	1,057.6	-189.8	8.00	7.80	C Chalk
7,400.0	53.67	7.03	7,208.4	-140.1	1,064.3	-140.1	8.00	7.82	
7,402.7	53.88	6.98	7,210.0	-137.9	1,064.6	-137.9	8.00	7.83	C Marl
7,487.7	60.55	5.39	7,256.0	-66.9	1,072.3	-66.9	8.00	7.85	D Chalk
7,500.0	61.52	5.18	7,262.0	-56.2	1,073.3	-56.2	8.00	7.86	
7,598.7	69.28	3.61	7,303.0	33.2	1,080.1	33.2	8.00	7.87	Fort Hayes
7,600.0	69.39	3.59	7,303.5	34.4	1,080.2	34.4	8.00	7.88	
7,670.3	74.92	2.57	7,325.0	101.2	1,083.8	101.2	8.00	7.88	Codell
7,700.0	77.27	2.16	7,332.2	130.0	1,084.9	130.0	8.00	7.88	
7,800.0	85.16	0.81	7,347.4	228.7	1,087.5	228.7	8.00	7.89	
7,807.5	85.75	0.71	7,348.0	236.2	1,087.6	236.2	8.00	7.89	Fairport
7,861.4	90.00	0.00	7,350.0	290.0	1,087.9	290.0	8.00	7.89	LP @ 7350' TVD; 90°
7,900.0	90.00	0.00	7,350.0	328.6	1,087.9	328.6	0.00	0.00	
8,000.0	90.00	0.00	7,350.0	428.6	1,087.9	428.6	0.00	0.00	
8,100.0	90.00	0.00	7,350.0	528.6	1,087.9	528.6	0.00	0.00	
8,200.0	90.00	0.00	7,350.0	628.6	1,087.9	628.6	0.00	0.00	
8,300.0	90.00	0.00	7,350.0	728.6	1,087.9	728.6	0.00	0.00	
8,400.0	90.00	0.00	7,350.0	828.6	1,087.9	828.6	0.00	0.00	
8,500.0	90.00	0.00	7,350.0	928.6	1,087.9	928.6	0.00	0.00	
8,600.0	90.00	0.00	7,350.0	1,028.6	1,087.9	1,028.6	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site:</b>	S35-T3N-R67W (Kiyota)	<b>North Reference:</b>	True
<b>Well:</b>	Kiyota 4K-35H-O367	<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	7,350.0	1,128.6	1,087.9	1,128.6	0.00	0.00	
8,800.0	90.00	0.00	7,350.0	1,228.6	1,087.9	1,228.6	0.00	0.00	
8,900.0	90.00	0.00	7,350.0	1,328.6	1,087.9	1,328.6	0.00	0.00	
9,000.0	90.00	0.00	7,350.0	1,428.6	1,087.9	1,428.6	0.00	0.00	
9,100.0	90.00	0.00	7,350.0	1,528.6	1,087.9	1,528.6	0.00	0.00	
9,200.0	90.00	0.00	7,350.0	1,628.6	1,087.9	1,628.6	0.00	0.00	
9,300.0	90.00	0.00	7,350.0	1,728.6	1,087.9	1,728.6	0.00	0.00	
9,400.0	90.00	0.00	7,350.0	1,828.6	1,087.9	1,828.6	0.00	0.00	
9,500.0	90.00	0.00	7,350.0	1,928.6	1,087.9	1,928.6	0.00	0.00	
9,600.0	90.00	0.00	7,350.0	2,028.6	1,087.9	2,028.6	0.00	0.00	
9,700.0	90.00	0.00	7,350.0	2,128.6	1,087.9	2,128.6	0.00	0.00	
9,800.0	90.00	0.00	7,350.0	2,228.6	1,087.9	2,228.6	0.00	0.00	
9,900.0	90.00	0.00	7,350.0	2,328.6	1,087.9	2,328.6	0.00	0.00	
10,000.0	90.00	0.00	7,350.0	2,428.6	1,087.9	2,428.6	0.00	0.00	
10,100.0	90.00	0.00	7,350.0	2,528.6	1,087.9	2,528.6	0.00	0.00	
10,200.0	90.00	0.00	7,350.0	2,628.6	1,087.9	2,628.6	0.00	0.00	
10,300.0	90.00	0.00	7,350.0	2,728.6	1,087.9	2,728.6	0.00	0.00	
10,400.0	90.00	0.00	7,350.0	2,828.6	1,087.9	2,828.6	0.00	0.00	
10,500.0	90.00	0.00	7,350.0	2,928.6	1,087.9	2,928.6	0.00	0.00	
10,600.0	90.00	0.00	7,350.0	3,028.6	1,087.9	3,028.6	0.00	0.00	
10,700.0	90.00	0.00	7,350.0	3,128.6	1,087.9	3,128.6	0.00	0.00	
10,800.0	90.00	0.00	7,350.0	3,228.6	1,087.9	3,228.6	0.00	0.00	
10,900.0	90.00	0.00	7,350.0	3,328.6	1,087.9	3,328.6	0.00	0.00	
11,000.0	90.00	0.00	7,350.0	3,428.6	1,087.9	3,428.6	0.00	0.00	
11,100.0	90.00	0.00	7,350.0	3,528.6	1,087.9	3,528.6	0.00	0.00	
11,200.0	90.00	0.00	7,350.0	3,628.6	1,087.9	3,628.6	0.00	0.00	
11,300.0	90.00	0.00	7,350.0	3,728.6	1,087.9	3,728.6	0.00	0.00	
11,400.0	90.00	0.00	7,350.0	3,828.6	1,087.9	3,828.6	0.00	0.00	
11,500.0	90.00	0.00	7,350.0	3,928.6	1,087.9	3,928.6	0.00	0.00	
11,600.0	90.00	0.00	7,350.0	4,028.6	1,087.9	4,028.6	0.00	0.00	
11,700.0	90.00	0.00	7,350.0	4,128.6	1,087.9	4,128.6	0.00	0.00	
11,800.0	90.00	0.00	7,350.0	4,228.6	1,087.9	4,228.6	0.00	0.00	
11,900.0	90.00	0.00	7,350.0	4,328.6	1,087.9	4,328.6	0.00	0.00	
11,965.4	90.00	0.00	7,350.0	4,394.0	1,087.9	4,394.0	0.00	0.00	TD at 11965.4

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Kiyota 4K-35H-O367 PB	0.00	0.00	7,350.0	4,394.0	1,087.9	1,311,860.39	3,181,691.60	40.187617	-104.849685
- plan hits target center									
- Point									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site:</b>	S35-T3N-R67W (Kiyota)	<b>North Reference:</b>	True
<b>Well:</b>	Kiyota 4K-35H-O367	<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 (°)
248.0	248.0	Fox Hills - BASE			
4,169.4	4,118.0	Sussex			
4,464.2	4,408.0	Shannon			
4,769.1	4,708.0	Teepee Buttes (*if present)			
7,095.4	6,983.0	Sharon Springs			
7,201.8	7,071.0	Niobrara			
7,246.2	7,105.0	B Chalk			
7,291.6	7,138.0	B Marl			
7,335.6	7,168.0	C Chalk			
7,402.7	7,210.0	C Marl			
7,487.7	7,256.0	D Chalk			
7,598.7	7,303.0	Fort Hayes			
7,670.3	7,325.0	Codell			
7,807.5	7,348.0	Fairport			

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
300.0	300.0	0.0	0.0	KOP @ 300'
1,331.6	1,326.0	-37.4	84.7	EOB; Inc=10.32°
6,684.6	6,592.5	-424.3	961.8	Start build/turn @ 6684' MD
7,861.4	7,350.0	290.0	1,087.9	LP @ 7350' TVD; 90°
11,965.4	7,350.0	4,394.0	1,087.9	TD at 11965.4

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

**DJ Wattenberg**

**S35-T3N-R67W (Kiyota)**

**Kiyota 4K-35H-O367**

**Hz**

**Plan #1**

## **Anticollision Report**

**16 May, 2014**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

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

<b>Survey Tool Program</b>		<b>Date</b>	5/16/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	11,965.4	Plan #1 (Hz)	Geolink MWD	Geolink MWD	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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>						
S35-T3N-R67W (Kiyota)						
KAWAKAMI 1 (EXISTING) - ENCANA WELL - NO SURV	11,137.0	7,322.0	876.4	798.1	11.188	CC, ES
KAWAKAMI 1 (EXISTING) - ENCANA WELL - NO SURV	11,300.0	7,322.0	891.5	810.3	10.987	SF
KAWAKAMI 31-35 (EXISTING) - ENCANA WELL - SURV						Out of range
KAWAKAMI 32-35 (EXISTING) - ENCANA WELL - NO S						Out of range
KAWAKAMI 4-0-35 (EXISTING) - ENCANA WELL - SUR						Out of range
KAWAKAMI 41-35 (EXISTING) - ENCANA WELL - NO S	11,965.4	7,313.0	243.5	150.9	2.630	CC, ES, SF
KAWAKAMI 42-35 (EXISTING) - ENCANA WELL - NO S	10,268.9	7,312.0	191.6	128.1	3.018	CC, ES, SF
KAWAKAMI 4-2-35 (EXISTING) - ENCANA WELL - SUR						Out of range
KAWAKAMI 6-0-35 (EXISTING) - ENCANA WELL - SUR						Out of range
KIYOTA 33-35 (EXISTING) - ENCANA WELL - NO SURV						Out of range
KIYOTA 3-35 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
KIYOTA 34-35 (EXISTING) - ENCANA WELL - NO SURV	300.0	286.0	573.7	572.7	573.582	CC, ES
KIYOTA 34-35 (EXISTING) - ENCANA WELL - NO SURV	3,100.0	3,051.8	982.9	972.3	92.152	SF
KIYOTA 43-35 (EXISTING) - ENCANA WELL - NO SURV						Out of range
KIYOTA 44-35 (EXISTING) - ENCANA WELL - NO SURV	3,581.5	3,514.6	389.4	372.4	22.907	CC
KIYOTA 44-35 (EXISTING) - ENCANA WELL - NO SURV	3,600.0	3,532.8	389.5	372.4	22.777	ES
KIYOTA 44-35 (EXISTING) - ENCANA WELL - NO SURV	7,800.0	7,322.4	482.4	455.3	17.801	SF
KIYOTA 4-6-35 (EXISTING) - ENCANA WELL - Plan #2						Out of range
KIYOTA 4-6-35 (EXISTING) - ENCANA WELL - SURVEY						Out of range
Kiyota 4A-35H-O367 - Hz - Plan #1	200.0	200.0	75.2	74.5	115.156	CC, ES
Kiyota 4A-35H-O367 - Hz - Plan #1	800.0	788.5	123.8	121.0	45.006	SF
Kiyota 4B-35H-O367 - Hz - Plan #1	300.0	300.0	67.6	66.6	67.501	CC, ES
Kiyota 4B-35H-O367 - Hz - Plan #1	700.0	694.3	92.7	90.3	38.656	SF
Kiyota 4C-35H-O367 - Hz - Plan #1	300.0	300.0	60.1	59.1	59.970	CC, ES
Kiyota 4C-35H-O367 - Hz - Plan #1	700.0	696.5	79.3	76.9	33.050	SF
Kiyota 4D-35H-O367 - Hz - Plan #1	300.0	300.0	52.5	51.5	52.439	CC, ES
Kiyota 4D-35H-O367 - Hz - Plan #1	700.0	698.2	67.8	65.4	28.266	SF
Kiyota 4E-35H-O367 - Hz - Plan #1	300.0	300.0	45.0	44.0	44.908	CC, ES
Kiyota 4E-35H-O367 - Hz - Plan #1	800.0	798.6	66.7	64.0	24.258	SF
Kiyota 4F-35H-O367 - Hz - Plan #1	300.0	300.0	37.4	36.4	37.378	CC, ES
Kiyota 4F-35H-O367 - Hz - Plan #1	700.0	699.7	50.6	48.2	21.089	SF
Kiyota 4G-35H-O367 - Hz - Plan #1	300.0	300.0	30.2	29.2	30.126	CC, ES
Kiyota 4G-35H-O367 - Hz - Plan #1	11,965.4	11,711.9	913.1	755.6	5.798	SF
Kiyota 4H-35H-O367 - Hz - Plan #1	300.0	300.0	22.6	21.6	22.593	CC, ES
Kiyota 4H-35H-O367 - Hz - Plan #1	11,965.4	11,877.4	675.5	515.9	4.231	SF
Kiyota 4I-35H-O367 - Hz - Plan #1	300.0	300.0	15.1	14.1	15.062	CC, ES
Kiyota 4I-35H-O367 - Hz - Plan #1	11,965.4	11,681.1	501.2	357.1	3.478	SF
Kiyota 4J-35H-O367 - Hz - Plan #1	300.0	300.0	7.5	6.5	7.531	CC, ES
Kiyota 4J-35H-O367 - Hz - Plan #1	11,965.4	11,779.5	278.8	143.0	2.054	SF
Kiyota 4L-35H-O367 - Hz - Plan #1	200.0	200.0	7.5	6.9	11.558	CC, ES
Kiyota 4L-35H-O367 - Hz - Plan #1	11,965.4	11,786.9	315.1	197.6	2.683	SF
KIYOTA 6-8-35 (EXISTING) - ENCANA WELL - SURVEY	4,329.0	4,446.9	551.6	531.9	27.987	CC, ES
KIYOTA 6-8-35 (EXISTING) - ENCANA WELL - SURVEY	5,600.0	5,668.4	610.1	584.1	23.440	SF
KIYOTA C-35-320-E (EXISTING) - ENCANA WELL - NO						Out of range

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KAWAKAMI 1 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7882-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,700.0	7,350.0	7,322.0	7,322.0	61.1	12.8	-90.00	3,565.6	211.5	979.3	908.5	70.84	13.824		
10,800.0	7,350.0	7,322.0	7,322.0	62.8	12.8	-90.00	3,565.6	211.5	939.0	866.4	72.55	12.942		
10,900.0	7,350.0	7,322.0	7,322.0	64.4	12.8	-90.00	3,565.6	211.5	907.9	833.6	74.27	12.225		
11,000.0	7,350.0	7,322.0	7,322.0	66.0	12.8	-90.00	3,565.6	211.5	887.1	811.1	75.98	11.675		
11,100.0	7,350.0	7,322.0	7,322.0	67.7	12.8	-90.00	3,565.6	211.5	877.2	799.5	77.70	11.290		
11,137.0	7,350.0	7,322.0	7,322.0	68.3	12.8	-90.00	3,565.6	211.5	876.4	798.1	78.33	11.188	CC, ES	
11,200.0	7,350.0	7,322.0	7,322.0	69.3	12.8	-90.00	3,565.6	211.5	878.7	799.3	79.42	11.064		
11,300.0	7,350.0	7,322.0	7,322.0	71.0	12.8	-90.00	3,565.6	211.5	891.5	810.3	81.14	10.987	SF	
11,400.0	7,350.0	7,322.0	7,322.0	72.6	12.8	-90.00	3,565.6	211.5	915.0	832.2	82.86	11.043		
11,500.0	7,350.0	7,322.0	7,322.0	74.3	12.8	-90.00	3,565.6	211.5	948.6	864.0	84.59	11.215		
11,600.0	7,350.0	7,322.0	7,322.0	76.0	12.8	-90.00	3,565.6	211.5	991.2	904.9	86.31	11.484		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KAWAKAMI 41-35 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7919-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		
11,100.0	7,350.0	7,313.0	7,313.0	67.7	12.8	-90.00	4,424.3	846.3	927.6	850.0	77.68	11.941		
11,200.0	7,350.0	7,313.0	7,313.0	69.3	12.8	-90.00	4,424.3	846.3	831.5	752.1	79.40	10.472		
11,300.0	7,350.0	7,313.0	7,313.0	71.0	12.8	-90.00	4,424.3	846.3	736.4	655.3	81.12	9.077		
11,400.0	7,350.0	7,313.0	7,313.0	72.6	12.8	-90.00	4,424.3	846.3	642.8	559.9	82.85	7.759		
11,500.0	7,350.0	7,313.0	7,313.0	74.3	12.8	-90.00	4,424.3	846.3	551.4	466.8	84.57	6.520		
11,600.0	7,350.0	7,313.0	7,313.0	76.0	12.8	-90.00	4,424.3	846.3	463.6	377.3	86.30	5.372		
11,700.0	7,350.0	7,313.0	7,313.0	77.7	12.8	-90.00	4,424.3	846.3	381.8	293.8	88.02	4.338		
11,800.0	7,350.0	7,313.0	7,313.0	79.3	12.8	-90.00	4,424.3	846.3	310.9	221.2	89.75	3.464		
11,900.0	7,350.0	7,313.0	7,313.0	81.0	12.8	-90.00	4,424.3	846.3	259.9	168.4	91.48	2.841		
11,965.4	7,350.0	7,313.0	7,313.0	82.1	12.8	-90.00	4,424.3	846.3	243.5	150.9	92.61	2.630 CC, ES, SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KAWAKAMI 42-35 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7930-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)						
9,300.0	7,350.0	7,312.0	7,312.0	39.5	12.8	-90.00	2,697.6	896.3	987.7	940.3	47.34	20.865		
9,400.0	7,350.0	7,312.0	7,312.0	41.0	12.8	-90.00	2,697.6	896.3	889.8	840.8	48.97	18.171		
9,500.0	7,350.0	7,312.0	7,312.0	42.4	12.8	-90.00	2,697.6	896.3	792.4	741.8	50.61	15.658		
9,600.0	7,350.0	7,312.0	7,312.0	43.9	12.8	-90.00	2,697.6	896.3	695.8	643.5	52.26	13.314		
9,700.0	7,350.0	7,312.0	7,312.0	45.4	12.8	-90.00	2,697.6	896.3	600.3	546.4	53.92	11.133		
9,800.0	7,350.0	7,312.0	7,312.0	46.9	12.8	-90.00	2,697.6	896.3	506.5	451.0	55.59	9.112		
9,900.0	7,350.0	7,312.0	7,312.0	48.4	12.8	-90.00	2,697.6	896.3	415.7	358.4	57.26	7.260		
10,000.0	7,350.0	7,312.0	7,312.0	50.0	12.8	-90.00	2,697.6	896.3	330.2	271.2	58.94	5.602		
10,100.0	7,350.0	7,312.0	7,312.0	51.6	12.8	-90.00	2,697.6	896.3	255.4	194.8	60.63	4.213		
10,200.0	7,350.0	7,312.0	7,312.0	53.1	12.8	-90.00	2,697.6	896.3	203.6	141.3	62.32	3.267		
10,268.9	7,350.0	7,312.0	7,312.0	54.2	12.8	-90.00	2,697.6	896.3	191.6	128.1	63.49	3.018 CC, ES, SF		
10,300.0	7,350.0	7,312.0	7,312.0	54.7	12.8	-90.00	2,697.6	896.3	194.1	130.1	64.01	3.032		
10,400.0	7,350.0	7,312.0	7,312.0	56.3	12.8	-90.00	2,697.6	896.3	232.1	166.4	65.71	3.533		
10,500.0	7,350.0	7,312.0	7,312.0	57.9	12.8	-90.00	2,697.6	896.3	300.2	232.8	67.41	4.453		
10,600.0	7,350.0	7,312.0	7,312.0	59.5	12.8	-90.00	2,697.6	896.3	382.5	313.4	69.12	5.535		
10,700.0	7,350.0	7,312.0	7,312.0	61.1	12.8	-90.00	2,697.6	896.3	471.7	400.9	70.82	6.661		
10,800.0	7,350.0	7,312.0	7,312.0	62.8	12.8	-90.00	2,697.6	896.3	564.6	492.1	72.54	7.784		
10,900.0	7,350.0	7,312.0	7,312.0	64.4	12.8	-90.00	2,697.6	896.3	659.5	585.3	74.25	8.883		
11,000.0	7,350.0	7,312.0	7,312.0	66.0	12.8	-90.00	2,697.6	896.3	755.8	679.8	75.96	9.949		
11,100.0	7,350.0	7,312.0	7,312.0	67.7	12.8	-90.00	2,697.6	896.3	852.9	775.2	77.68	10.979		
11,200.0	7,350.0	7,312.0	7,312.0	69.3	12.8	-90.00	2,697.6	896.3	950.6	871.2	79.40	11.972		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KIYOTA 34-35 (EXISTING) - ENCANA WELL - NO SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 7922-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	-67.80	216.8	-531.2	573.9						
100.0	100.0	86.0	86.0	0.2	0.2	-67.80	216.8	-531.2	573.7	573.4	0.30	1,898.983			
200.0	200.0	186.0	186.0	0.3	0.3	-67.80	216.8	-531.2	573.7	573.1	0.65	881.048			
300.0	300.0	286.0	286.0	0.5	0.5	-67.80	216.8	-531.2	573.7	572.7	1.00	573.582 CC, ES			
400.0	400.0	386.0	386.0	0.7	0.7	178.40	216.8	-531.2	574.6	573.2	1.35	425.888			
500.0	500.0	485.9	485.9	0.9	0.8	178.40	216.8	-531.2	577.2	575.5	1.70	339.993			
600.0	599.9	585.9	585.9	1.0	1.0	178.41	216.8	-531.2	581.6	579.5	2.05	284.287			
700.0	699.7	685.7	685.7	1.2	1.2	178.43	216.8	-531.2	587.7	585.3	2.39	245.579			
800.0	799.4	785.4	785.4	1.4	1.4	178.45	216.8	-531.2	595.5	592.8	2.74	217.389			
900.0	898.9	884.9	884.9	1.7	1.5	178.47	216.8	-531.2	605.1	602.0	3.08	196.157			
1,000.0	998.3	984.3	984.3	1.9	1.7	178.49	216.8	-531.2	616.4	613.0	3.43	179.772			
1,100.0	1,097.4	1,083.4	1,083.4	2.2	1.9	178.52	216.8	-531.2	629.5	625.7	3.77	166.896			
1,200.0	1,196.3	1,182.3	1,182.3	2.5	2.1	178.55	216.8	-531.2	644.2	640.1	4.11	156.645			
1,300.0	1,294.9	1,280.9	1,280.9	2.8	2.2	178.58	216.8	-531.2	660.7	656.3	4.45	148.409			
1,400.0	1,393.3	1,379.3	1,379.3	3.1	2.4	178.62	216.8	-531.2	678.6	673.8	4.80	141.500			
1,500.0	1,491.7	1,477.7	1,477.7	3.5	2.6	178.66	216.8	-531.2	696.5	691.3	5.14	135.470			
1,600.0	1,590.1	1,576.1	1,576.1	3.8	2.8	178.69	216.8	-531.2	714.4	708.9	5.49	130.201			
1,700.0	1,688.5	1,674.5	1,674.5	4.2	2.9	178.72	216.8	-531.2	732.3	726.4	5.83	125.558			
1,800.0	1,786.9	1,772.9	1,772.9	4.5	3.1	178.75	216.8	-531.2	750.2	744.0	6.18	121.434			
1,900.0	1,885.2	1,871.2	1,871.2	4.9	3.3	178.78	216.8	-531.2	768.1	761.6	6.52	117.749			
2,000.0	1,983.6	1,969.6	1,969.6	5.2	3.4	178.81	216.8	-531.2	786.0	779.1	6.87	114.434			
2,100.0	2,082.0	2,068.0	2,068.0	5.6	3.6	178.84	216.8	-531.2	803.9	796.7	7.21	111.438			
2,200.0	2,180.4	2,166.4	2,166.4	5.9	3.8	178.86	216.8	-531.2	821.8	814.2	7.56	108.715			
2,300.0	2,278.8	2,264.8	2,264.8	6.3	4.0	178.88	216.8	-531.2	839.7	831.8	7.90	106.231			
2,400.0	2,377.2	2,363.2	2,363.2	6.6	4.1	178.91	216.8	-531.2	857.6	849.3	8.25	103.955			
2,500.0	2,475.5	2,461.5	2,461.5	7.0	4.3	178.93	216.8	-531.2	875.5	866.9	8.59	101.862			
2,600.0	2,573.9	2,559.9	2,559.9	7.3	4.5	178.95	216.8	-531.2	893.4	884.5	8.94	99.931			
2,700.0	2,672.3	2,658.3	2,658.3	7.7	4.6	178.97	216.8	-531.2	911.3	902.0	9.29	98.144			
2,800.0	2,770.7	2,756.7	2,756.7	8.1	4.8	178.99	216.8	-531.2	929.2	919.6	9.63	96.485			
2,900.0	2,869.1	2,855.1	2,855.1	8.4	5.0	179.01	216.8	-531.2	947.1	937.1	9.98	94.940			
3,000.0	2,967.5	2,953.5	2,953.5	8.8	5.2	179.03	216.8	-531.2	965.0	954.7	10.32	93.500			
3,100.0	3,065.9	3,051.8	3,051.8	9.1	5.3	179.05	216.8	-531.2	982.9	972.3	10.67	92.152 SF			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KIYOTA 44-35 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7934-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	75.64	156.3	610.6	630.7					
100.0	100.0	75.0	75.0	0.2	0.1	75.64	156.3	610.6	630.2	630.0	0.28	2,227.615		
200.0	200.0	175.0	175.0	0.3	0.3	75.64	156.3	610.6	630.2	629.6	0.63	997.245		
300.0	300.0	275.0	275.0	0.5	0.5	75.64	156.3	610.6	630.2	629.3	0.98	642.419		
400.0	400.0	375.0	375.0	0.7	0.7	-38.22	156.3	610.6	629.6	628.2	1.33	473.251		
500.0	500.0	474.9	474.9	0.9	0.8	-38.38	156.3	610.6	627.5	625.8	1.68	373.372		
600.0	599.9	574.9	574.9	1.0	1.0	-38.65	156.3	610.6	624.1	622.1	2.03	306.912		
700.0	699.7	674.7	674.7	1.2	1.2	-39.03	156.3	610.6	619.3	616.9	2.39	259.108		
800.0	799.4	774.4	774.4	1.4	1.4	-39.53	156.3	610.6	613.3	610.5	2.75	222.775		
900.0	898.9	873.9	873.9	1.7	1.5	-40.15	156.3	610.6	605.9	602.8	3.12	194.002		
1,000.0	998.3	973.3	973.3	1.9	1.7	-40.91	156.3	610.6	597.3	593.7	3.50	170.478		
1,100.0	1,097.4	1,072.4	1,072.4	2.2	1.9	-41.81	156.3	610.6	587.4	583.5	3.90	150.757		
1,200.0	1,196.3	1,171.3	1,171.3	2.5	2.0	-42.86	156.3	610.6	576.4	572.1	4.31	133.886		
1,300.0	1,294.9	1,269.9	1,269.9	2.8	2.2	-44.07	156.3	610.6	564.4	559.6	4.73	119.221		
1,400.0	1,393.3	1,368.3	1,368.3	3.1	2.4	-45.38	156.3	610.6	551.6	546.4	5.18	106.492		
1,500.0	1,491.7	1,466.7	1,466.7	3.5	2.6	-46.72	156.3	610.6	539.1	533.4	5.64	95.604		
1,600.0	1,590.1	1,565.1	1,565.1	3.8	2.7	-48.13	156.3	610.6	526.9	520.8	6.11	86.241		
1,700.0	1,688.5	1,663.5	1,663.5	4.2	2.9	-49.60	156.3	610.6	515.0	508.4	6.59	78.132		
1,800.0	1,786.9	1,761.9	1,761.9	4.5	3.1	-51.13	156.3	610.6	503.4	496.4	7.08	71.065		
1,900.0	1,885.2	1,860.2	1,860.2	4.9	3.2	-52.74	156.3	610.6	492.3	484.7	7.59	64.873		
2,000.0	1,983.6	1,958.6	1,958.6	5.2	3.4	-54.42	156.3	610.6	481.5	473.4	8.10	59.422		
2,100.0	2,082.0	2,057.0	2,057.0	5.6	3.6	-56.17	156.3	610.6	471.2	462.6	8.63	54.605		
2,200.0	2,180.4	2,155.4	2,155.4	5.9	3.8	-58.00	156.3	610.6	461.4	452.2	9.17	50.335		
2,300.0	2,278.8	2,253.8	2,253.8	6.3	3.9	-59.90	156.3	610.6	452.0	442.3	9.71	46.542		
2,400.0	2,377.2	2,352.2	2,352.2	6.6	4.1	-61.88	156.3	610.6	443.2	432.9	10.27	43.165		
2,500.0	2,475.5	2,450.5	2,450.5	7.0	4.3	-63.93	156.3	610.6	434.9	424.1	10.83	40.156		
2,600.0	2,573.9	2,548.9	2,548.9	7.3	4.4	-66.06	156.3	610.6	427.3	415.9	11.40	37.472		
2,700.0	2,672.3	2,647.3	2,647.3	7.7	4.6	-68.26	156.3	610.6	420.2	408.2	11.98	35.081		
2,800.0	2,770.7	2,745.7	2,745.7	8.1	4.8	-70.53	156.3	610.6	413.8	401.3	12.56	32.950		
2,900.0	2,869.1	2,844.1	2,844.1	8.4	5.0	-72.86	156.3	610.6	408.1	395.0	13.14	31.054		
3,000.0	2,967.5	2,942.5	2,942.5	8.8	5.1	-75.26	156.3	610.6	403.1	389.4	13.73	29.371		
3,100.0	3,065.9	3,040.8	3,040.8	9.1	5.3	-77.71	156.3	610.6	398.9	384.6	14.31	27.881		
3,200.0	3,164.2	3,139.2	3,139.2	9.5	5.5	-80.21	156.3	610.6	395.4	380.5	14.88	26.566		
3,300.0	3,262.6	3,237.6	3,237.6	9.9	5.7	-82.74	156.3	610.6	392.7	377.2	15.45	25.412		
3,400.0	3,361.0	3,336.0	3,336.0	10.2	5.8	-85.31	156.3	610.6	390.8	374.8	16.01	24.404		
3,500.0	3,459.4	3,434.4	3,434.4	10.6	6.0	-87.89	156.3	610.6	389.7	373.2	16.56	23.529		
3,581.5	3,539.6	3,514.6	3,514.6	10.9	6.1	-90.00	156.3	610.6	389.4	372.4	17.00	22.907 CC		
3,600.0	3,557.8	3,532.8	3,532.8	10.9	6.2	-90.48	156.3	610.6	389.5	372.4	17.10	22.777 ES		
3,700.0	3,656.2	3,631.1	3,631.1	11.3	6.3	-93.07	156.3	610.6	390.0	372.4	17.62	22.136		
3,800.0	3,754.5	3,729.5	3,729.5	11.7	6.5	-95.64	156.3	610.6	391.4	373.3	18.12	21.597		
3,900.0	3,852.9	3,827.9	3,827.9	12.0	6.7	-98.20	156.3	610.6	393.6	375.0	18.61	21.151		
4,000.0	3,951.3	3,926.3	3,926.3	12.4	6.9	-100.72	156.3	610.6	396.6	377.5	19.08	20.790		
4,100.0	4,049.7	4,024.7	4,024.7	12.7	7.0	-103.20	156.3	610.6	400.4	380.8	19.52	20.506		
4,200.0	4,148.1	4,123.1	4,123.1	13.1	7.2	-105.63	156.3	610.6	404.9	384.9	19.95	20.292		
4,300.0	4,246.5	4,221.4	4,221.4	13.5	7.4	-108.01	156.3	610.6	410.1	389.8	20.36	20.142		
4,400.0	4,344.8	4,319.8	4,319.8	13.8	7.5	-110.32	156.3	610.6	416.1	395.4	20.76	20.049		
4,500.0	4,443.2	4,418.2	4,418.2	14.2	7.7	-112.56	156.3	610.6	422.8	401.6	21.13	20.007		
4,600.0	4,541.6	4,516.6	4,516.6	14.5	7.9	-114.74	156.3	610.6	430.0	408.5	21.49	20.012		
4,700.0	4,640.0	4,615.0	4,615.0	14.9	8.1	-116.84	156.3	610.6	437.9	416.1	21.83	20.058		
4,800.0	4,738.4	4,713.4	4,713.4	15.3	8.2	-118.86	156.3	610.6	446.4	424.2	22.16	20.141		
4,900.0	4,836.8	4,811.7	4,811.7	15.6	8.4	-120.81	156.3	610.6	455.4	432.9	22.48	20.257		
5,000.0	4,935.1	4,910.1	4,910.1	16.0	8.6	-122.69	156.3	610.6	465.0	442.2	22.79	20.401		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KIYOTA 44-35 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7934-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	5,033.5	5,008.5	5,008.5	16.3	8.7	-124.49	156.3	610.6	475.0	451.9	23.09	20.571		
5,200.0	5,131.9	5,106.9	5,106.9	16.7	8.9	-126.21	156.3	610.6	485.5	462.1	23.38	20.763		
5,300.0	5,230.3	5,205.3	5,205.3	17.1	9.1	-127.86	156.3	610.6	496.4	472.7	23.66	20.975		
5,400.0	5,328.7	5,303.7	5,303.7	17.4	9.3	-129.44	156.3	610.6	507.7	483.7	23.94	21.204		
5,500.0	5,427.1	5,402.0	5,402.0	17.8	9.4	-130.95	156.3	610.6	519.3	495.1	24.21	21.446		
5,600.0	5,525.4	5,500.4	5,500.4	18.1	9.6	-132.40	156.3	610.6	531.3	506.9	24.48	21.701		
5,700.0	5,623.8	5,598.8	5,598.8	18.5	9.8	-133.78	156.3	610.6	543.7	518.9	24.75	21.967		
5,800.0	5,722.2	5,697.2	5,697.2	18.9	9.9	-135.10	156.3	610.6	556.3	531.3	25.01	22.240		
5,900.0	5,820.6	5,795.6	5,795.6	19.2	10.1	-136.37	156.3	610.6	569.2	544.0	25.28	22.521		
6,000.0	5,919.0	5,894.0	5,894.0	19.6	10.3	-137.57	156.3	610.6	582.4	556.9	25.54	22.808		
6,100.0	6,017.4	5,992.3	5,992.3	19.9	10.5	-138.73	156.3	610.6	595.9	570.1	25.80	23.098		
6,200.0	6,115.7	6,090.7	6,090.7	20.3	10.6	-139.83	156.3	610.6	609.5	583.5	26.06	23.392		
6,300.0	6,214.1	6,189.1	6,189.1	20.7	10.8	-140.88	156.3	610.6	623.4	597.1	26.32	23.688		
6,400.0	6,312.5	6,287.5	6,287.5	21.0	11.0	-141.89	156.3	610.6	637.5	610.9	26.58	23.985		
6,500.0	6,410.9	6,385.9	6,385.9	21.4	11.1	-142.86	156.3	610.6	651.8	624.9	26.84	24.283		
6,600.0	6,509.3	6,484.3	6,484.3	21.8	11.3	-143.78	156.3	610.6	666.2	639.1	27.10	24.581		
6,700.0	6,607.7	6,582.7	6,582.7	22.1	11.5	-138.08	156.3	610.6	680.7	653.3	27.40	24.842		
6,800.0	6,706.2	6,681.2	6,681.2	22.4	11.7	-94.03	156.3	610.6	687.8	660.1	27.63	24.894		
6,900.0	6,803.5	6,778.5	6,778.5	22.6	11.8	-70.40	156.3	610.6	683.5	656.1	27.40	24.946		
7,000.0	6,897.7	6,872.7	6,872.7	22.7	12.0	-62.04	156.3	610.6	668.8	642.0	26.81	24.943		
7,100.0	6,987.0	6,962.0	6,962.0	22.8	12.2	-60.50	156.3	610.6	645.0	618.9	26.04	24.768		
7,200.0	7,069.6	7,044.6	7,044.6	22.9	12.3	-62.76	156.3	610.6	614.0	588.6	25.34	24.228		
7,300.0	7,143.9	7,118.9	7,118.9	22.9	12.4	-67.52	156.3	610.6	578.4	553.5	24.99	23.149		
7,400.0	7,208.4	7,183.4	7,183.4	23.0	12.5	-73.80	156.3	610.6	542.0	516.9	25.10	21.591		
7,500.0	7,262.0	7,237.0	7,237.0	23.1	12.6	-80.42	156.3	610.6	509.2	483.6	25.53	19.942		
7,600.0	7,303.5	7,278.5	7,278.5	23.3	12.7	-86.10	156.3	610.6	485.2	459.1	26.03	18.639		
7,700.0	7,332.2	7,307.1	7,307.1	23.6	12.8	-89.78	156.3	610.6	475.1	448.6	26.53	17.909		
7,709.7	7,334.2	7,309.2	7,309.2	23.6	12.8	-90.00	156.3	610.6	475.0	448.4	26.59	17.866		
7,800.0	7,347.4	7,322.4	7,322.4	24.0	12.8	-90.80	156.3	610.6	482.4	455.3	27.10	17.801 SF		
7,900.0	7,350.0	7,325.0	7,325.0	24.5	12.8	-90.00	156.3	610.6	507.5	479.7	27.80	18.255		
8,000.0	7,350.0	7,325.0	7,325.0	25.0	12.8	-90.00	156.3	610.6	549.6	520.8	28.75	19.118		
8,100.0	7,350.0	7,325.0	7,325.0	25.7	12.8	-90.00	156.3	610.6	605.4	575.6	29.82	20.301		
8,200.0	7,350.0	7,325.0	7,325.0	26.5	12.8	-90.00	156.3	610.6	671.5	640.5	31.00	21.662		
8,300.0	7,350.0	7,325.0	7,325.0	27.4	12.8	-90.00	156.3	610.6	745.3	713.0	32.27	23.097		
8,400.0	7,350.0	7,325.0	7,325.0	28.3	12.8	-90.00	156.3	610.6	824.6	791.0	33.60	24.538		
8,500.0	7,350.0	7,325.0	7,325.0	29.4	12.8	-90.00	156.3	610.6	908.0	873.0	35.00	25.942		
8,600.0	7,350.0	7,325.0	7,325.0	30.5	12.8	-90.00	156.3	610.6	994.4	958.0	36.44	27.287		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4A-35H-O367 - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.70	0.4	-75.2	75.2					
100.0	100.0	100.0	100.0	0.2	0.2	-89.70	0.4	-75.2	75.2	74.9	0.30	247.519		
200.0	200.0	200.0	200.0	0.3	0.3	-89.70	0.4	-75.2	75.2	74.5	0.65	115.156	CC, ES	
300.0	300.0	298.8	298.8	0.5	0.5	-89.94	0.1	-76.0	76.0	75.0	1.00	75.923		
400.0	400.0	397.5	397.4	0.7	0.7	155.81	-0.9	-78.3	79.2	77.8	1.35	58.767		
500.0	500.0	496.0	495.8	0.9	0.9	155.47	-2.4	-82.3	85.6	83.9	1.70	50.475		
600.0	599.9	594.1	593.7	1.0	1.1	155.24	-4.6	-87.8	95.2	93.1	2.04	46.534		
700.0	699.7	691.6	691.0	1.2	1.3	155.10	-7.3	-94.8	107.9	105.5	2.40	45.028		
800.0	799.4	788.5	787.5	1.4	1.5	155.04	-10.7	-103.3	123.8	121.0	2.75	45.006	SF	
900.0	898.9	884.6	883.0	1.7	1.7	155.02	-14.6	-113.2	142.8	139.7	3.11	45.943		
1,000.0	998.3	979.7	977.3	1.9	2.0	155.03	-19.0	-124.5	164.9	161.4	3.47	47.524		
1,100.0	1,097.4	1,073.8	1,070.4	2.2	2.3	155.05	-24.0	-137.0	190.0	186.2	3.83	49.546		
1,200.0	1,196.3	1,166.7	1,162.1	2.5	2.6	155.07	-29.4	-150.9	218.1	213.9	4.20	51.873		
1,300.0	1,294.9	1,259.7	1,253.7	2.8	2.9	155.10	-35.4	-166.0	249.1	244.5	4.58	54.371		
1,400.0	1,393.3	1,354.3	1,346.8	3.1	3.2	155.29	-41.5	-181.6	281.4	276.5	4.97	56.636		
1,500.0	1,491.7	1,448.9	1,439.9	3.5	3.5	155.48	-47.7	-197.2	313.9	308.5	5.36	58.531		
1,600.0	1,590.1	1,543.5	1,533.0	3.8	3.8	155.63	-53.8	-212.9	346.3	340.6	5.76	60.146		
1,700.0	1,688.5	1,638.1	1,626.0	4.2	4.2	155.76	-60.0	-228.5	378.8	372.6	6.16	61.537		
1,800.0	1,786.9	1,732.6	1,719.1	4.5	4.5	155.87	-66.1	-244.1	411.2	404.7	6.55	62.747		
1,900.0	1,885.2	1,827.2	1,812.2	4.9	4.8	155.96	-72.3	-259.7	443.7	436.8	6.95	63.808		
2,000.0	1,983.6	1,921.8	1,905.3	5.2	5.2	156.04	-78.4	-275.4	476.2	468.8	7.35	64.746		
2,100.0	2,082.0	2,016.4	1,998.4	5.6	5.5	156.11	-84.6	-291.0	508.6	500.9	7.76	65.581		
2,200.0	2,180.4	2,111.0	2,091.4	5.9	5.8	156.17	-90.7	-306.6	541.1	532.9	8.16	66.328		
2,300.0	2,278.8	2,205.6	2,184.5	6.3	6.2	156.22	-96.9	-322.2	573.5	565.0	8.56	67.000		
2,400.0	2,377.2	2,300.1	2,277.6	6.6	6.5	156.27	-103.0	-337.9	606.0	597.0	8.96	67.609		
2,500.0	2,475.5	2,394.7	2,370.7	7.0	6.8	156.32	-109.2	-353.5	638.5	629.1	9.37	68.161		
2,600.0	2,573.9	2,489.3	2,463.8	7.3	7.2	156.36	-115.3	-369.1	670.9	661.2	9.77	68.666		
2,700.0	2,672.3	2,583.9	2,556.8	7.7	7.5	156.39	-121.5	-384.7	703.4	693.2	10.18	69.128		
2,800.0	2,770.7	2,678.5	2,649.9	8.1	7.9	156.42	-127.6	-400.4	735.8	725.3	10.58	69.553		
2,900.0	2,869.1	2,773.1	2,743.0	8.4	8.2	156.45	-133.8	-416.0	768.3	757.3	10.98	69.946		
3,000.0	2,967.5	2,867.6	2,836.1	8.8	8.5	156.48	-139.9	-431.6	800.8	789.4	11.39	70.309		
3,100.0	3,065.9	2,962.2	2,929.2	9.1	8.9	156.51	-146.1	-447.2	833.2	821.4	11.79	70.645		
3,200.0	3,164.2	3,056.8	3,022.2	9.5	9.2	156.53	-152.2	-462.9	865.7	853.5	12.20	70.959		
3,300.0	3,262.6	3,151.4	3,115.3	9.9	9.5	156.55	-158.4	-478.5	898.2	885.5	12.61	71.251		
3,400.0	3,361.0	3,246.0	3,208.4	10.2	9.9	156.57	-164.6	-494.1	930.6	917.6	13.01	71.524		
3,500.0	3,459.4	3,340.6	3,301.5	10.6	10.2	156.59	-170.7	-509.8	963.1	949.7	13.42	71.780		
3,600.0	3,557.8	3,435.1	3,394.6	10.9	10.6	156.61	-176.9	-525.4	995.5	981.7	13.82	72.020		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4B-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.68	0.4	-67.6	67.6					
100.0	100.0	100.0	100.0	0.2	0.2	-89.68	0.4	-67.6	67.6	67.3	0.30	222.674		
200.0	200.0	200.0	200.0	0.3	0.3	-89.68	0.4	-67.6	67.6	67.0	0.65	103.598		
300.0	300.0	300.0	300.0	0.5	0.5	-89.68	0.4	-67.6	67.6	66.6	1.00	67.501 CC, ES		
400.0	400.0	398.9	398.9	0.7	0.7	156.48	0.0	-68.4	69.2	67.8	1.35	51.288		
500.0	500.0	497.7	497.7	0.9	0.9	156.37	-1.1	-70.7	73.9	72.2	1.70	43.548		
600.0	599.9	596.2	596.1	1.0	1.0	156.21	-3.0	-74.5	81.8	79.7	2.05	39.944		
700.0	699.7	694.3	694.0	1.2	1.2	156.03	-5.6	-79.8	92.7	90.3	2.40	38.656 SF		
800.0	799.4	791.7	791.1	1.4	1.4	155.85	-9.0	-86.5	106.8	104.0	2.75	38.779		
900.0	898.9	888.5	887.5	1.7	1.6	155.67	-13.0	-94.7	123.9	120.8	3.11	39.813		
1,000.0	998.3	984.4	982.8	1.9	1.9	155.51	-17.8	-104.2	144.1	140.6	3.48	41.454		
1,100.0	1,097.4	1,079.4	1,077.0	2.2	2.1	155.35	-23.1	-115.0	167.3	163.5	3.85	43.507		
1,200.0	1,196.3	1,174.4	1,171.1	2.5	2.4	155.22	-29.2	-127.2	193.3	189.1	4.22	45.807		
1,300.0	1,294.9	1,270.5	1,266.1	2.8	2.7	155.26	-35.4	-139.6	221.2	216.6	4.60	48.037		
1,400.0	1,393.3	1,366.2	1,360.8	3.1	3.0	155.47	-41.5	-152.1	250.2	245.2	5.00	50.081		
1,500.0	1,491.7	1,461.9	1,455.4	3.5	3.2	155.67	-47.7	-164.5	279.2	273.8	5.39	51.795		
1,600.0	1,590.1	1,557.5	1,550.1	3.8	3.5	155.84	-53.9	-177.0	308.3	302.5	5.79	53.258		
1,700.0	1,688.5	1,653.2	1,644.8	4.2	3.8	155.98	-60.1	-189.4	337.4	331.2	6.19	54.519		
1,800.0	1,786.9	1,748.9	1,739.4	4.5	4.1	156.10	-66.2	-201.8	366.4	359.8	6.59	55.617		
1,900.0	1,885.2	1,844.6	1,834.1	4.9	4.4	156.20	-72.4	-214.3	395.5	388.5	6.99	56.580		
2,000.0	1,983.6	1,940.3	1,928.8	5.2	4.7	156.28	-78.6	-226.7	424.6	417.2	7.39	57.432		
2,100.0	2,082.0	2,035.9	2,023.4	5.6	5.0	156.36	-84.7	-239.2	453.7	445.9	7.80	58.190		
2,200.0	2,180.4	2,131.6	2,118.1	5.9	5.3	156.42	-90.9	-251.6	482.7	474.5	8.20	58.869		
2,300.0	2,278.8	2,227.3	2,212.8	6.3	5.5	156.48	-97.1	-264.0	511.8	503.2	8.60	59.481		
2,400.0	2,377.2	2,323.0	2,307.4	6.6	5.8	156.54	-103.3	-276.5	540.9	531.9	9.01	60.035		
2,500.0	2,475.5	2,418.6	2,402.1	7.0	6.1	156.58	-109.4	-288.9	570.0	560.5	9.41	60.538		
2,600.0	2,573.9	2,514.3	2,496.8	7.3	6.4	156.62	-115.6	-301.3	599.0	589.2	9.82	60.998		
2,700.0	2,672.3	2,610.0	2,591.4	7.7	6.7	156.66	-121.8	-313.8	628.1	617.9	10.23	61.420		
2,800.0	2,770.7	2,705.7	2,686.1	8.1	7.0	156.70	-128.0	-326.2	657.2	646.6	10.63	61.807		
2,900.0	2,869.1	2,801.4	2,780.8	8.4	7.3	156.73	-134.1	-338.7	686.3	675.2	11.04	62.165		
3,000.0	2,967.5	2,897.0	2,875.4	8.8	7.6	156.76	-140.3	-351.1	715.3	703.9	11.45	62.496		
3,100.0	3,065.9	2,992.7	2,970.1	9.1	7.9	156.79	-146.5	-363.5	744.4	732.6	11.85	62.803		
3,200.0	3,164.2	3,088.4	3,064.8	9.5	8.2	156.81	-152.6	-376.0	773.5	761.2	12.26	63.089		
3,300.0	3,262.6	3,184.1	3,159.4	9.9	8.5	156.83	-158.8	-388.4	802.6	789.9	12.67	63.356		
3,400.0	3,361.0	3,279.7	3,254.1	10.2	8.8	156.86	-165.0	-400.8	831.7	818.6	13.08	63.605		
3,500.0	3,459.4	3,375.4	3,348.8	10.6	9.1	156.88	-171.2	-413.3	860.7	847.3	13.48	63.839		
3,600.0	3,557.8	3,471.1	3,443.4	10.9	9.4	156.90	-177.3	-425.7	889.8	875.9	13.89	64.059		
3,700.0	3,656.2	3,566.8	3,538.1	11.3	9.7	156.91	-183.5	-438.2	918.9	904.6	14.30	64.265		
3,800.0	3,754.5	3,662.5	3,632.8	11.7	9.9	156.93	-189.7	-450.6	948.0	933.3	14.71	64.460		
3,900.0	3,852.9	3,758.1	3,727.4	12.0	10.2	156.95	-195.9	-463.0	977.1	961.9	15.11	64.643		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4C-35H-O367 - 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	-89.64	0.4	-60.1	60.1					
100.0	100.0	100.0	100.0	0.2	0.2	-89.64	0.4	-60.1	60.1	59.8	0.30	197.832		
200.0	200.0	200.0	200.0	0.3	0.3	-89.64	0.4	-60.1	60.1	59.4	0.65	92.040		
300.0	300.0	300.0	300.0	0.5	0.5	-89.64	0.4	-60.1	60.1	59.1	1.00	59.970 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	156.87	0.4	-60.1	60.9	59.5	1.35	45.068		
500.0	500.0	499.1	499.1	0.9	0.8	157.34	-0.1	-60.8	64.0	62.3	1.70	37.676		
600.0	599.9	597.9	597.9	1.0	1.0	157.47	-1.5	-62.9	70.1	68.1	2.05	34.254		
700.0	699.7	696.5	696.3	1.2	1.2	157.32	-3.9	-66.4	79.3	76.9	2.40	33.050 SF		
800.0	799.4	794.5	794.2	1.4	1.4	157.00	-7.2	-71.3	91.4	88.7	2.75	33.198		
900.0	898.9	892.0	891.4	1.7	1.6	156.58	-11.4	-77.6	106.6	103.5	3.11	34.214		
1,000.0	998.3	988.7	987.7	1.9	1.8	156.13	-16.5	-85.1	124.7	121.2	3.48	35.807		
1,100.0	1,097.4	1,084.6	1,083.0	2.2	2.0	155.67	-22.5	-93.9	145.7	141.8	3.86	37.785		
1,200.0	1,196.3	1,181.4	1,179.0	2.5	2.3	155.33	-29.1	-103.8	169.2	164.9	4.24	39.924		
1,300.0	1,294.9	1,278.2	1,275.1	2.8	2.5	155.26	-35.7	-113.6	194.3	189.6	4.63	41.996		
1,400.0	1,393.3	1,374.7	1,370.9	3.1	2.8	155.40	-42.3	-123.4	220.5	215.5	5.02	43.914		
1,500.0	1,491.7	1,471.1	1,466.6	3.5	3.0	155.55	-49.0	-133.2	246.8	241.4	5.42	45.525		
1,600.0	1,590.1	1,567.6	1,562.3	3.8	3.3	155.67	-55.6	-143.0	273.2	267.3	5.82	46.897		
1,700.0	1,688.5	1,664.1	1,658.1	4.2	3.5	155.77	-62.2	-152.8	299.5	293.3	6.23	48.078		
1,800.0	1,786.9	1,760.5	1,753.8	4.5	3.8	155.85	-68.8	-162.7	325.8	319.2	6.64	49.105		
1,900.0	1,885.2	1,857.0	1,849.6	4.9	4.1	155.92	-75.4	-172.5	352.2	345.1	7.04	50.005		
2,000.0	1,983.6	1,953.5	1,945.3	5.2	4.3	155.98	-82.0	-182.3	378.5	371.0	7.45	50.800		
2,100.0	2,082.0	2,050.0	2,041.0	5.6	4.6	156.03	-88.7	-192.1	404.8	397.0	7.86	51.507		
2,200.0	2,180.4	2,146.4	2,136.8	5.9	4.8	156.08	-95.3	-201.9	431.2	422.9	8.27	52.139		
2,300.0	2,278.8	2,242.9	2,232.5	6.3	5.1	156.12	-101.9	-211.7	457.5	448.8	8.68	52.709		
2,400.0	2,377.2	2,339.4	2,328.3	6.6	5.4	156.16	-108.5	-221.5	483.8	474.7	9.09	53.224		
2,500.0	2,475.5	2,435.8	2,424.0	7.0	5.6	156.19	-115.1	-231.3	510.2	500.7	9.50	53.691		
2,600.0	2,573.9	2,532.3	2,519.8	7.3	5.9	156.22	-121.7	-241.1	536.5	526.6	9.91	54.118		
2,700.0	2,672.3	2,628.8	2,615.5	7.7	6.2	156.24	-128.3	-251.0	562.8	552.5	10.33	54.509		
2,800.0	2,770.7	2,725.2	2,711.2	8.1	6.4	156.27	-135.0	-260.8	589.2	578.4	10.74	54.869		
2,900.0	2,869.1	2,821.7	2,807.0	8.4	6.7	156.29	-141.6	-270.6	615.5	604.3	11.15	55.200		
3,000.0	2,967.5	2,918.2	2,902.7	8.8	7.0	156.31	-148.2	-280.4	641.8	630.3	11.56	55.507		
3,100.0	3,065.9	3,014.7	2,998.5	9.1	7.2	156.33	-154.8	-290.2	668.2	656.2	11.98	55.791		
3,200.0	3,164.2	3,111.1	3,094.2	9.5	7.5	156.35	-161.4	-300.0	694.5	682.1	12.39	56.056		
3,300.0	3,262.6	3,207.6	3,189.9	9.9	7.8	156.36	-168.0	-309.8	720.8	708.0	12.80	56.303		
3,400.0	3,361.0	3,304.1	3,285.7	10.2	8.0	156.38	-174.7	-319.6	747.2	733.9	13.22	56.533		
3,500.0	3,459.4	3,400.5	3,381.4	10.6	8.3	156.39	-181.3	-329.4	773.5	759.9	13.63	56.749		
3,600.0	3,557.8	3,497.0	3,477.2	10.9	8.6	156.41	-187.9	-339.3	799.8	785.8	14.04	56.952		
3,700.0	3,656.2	3,593.5	3,572.9	11.3	8.8	156.42	-194.5	-349.1	826.2	811.7	14.46	57.143		
3,800.0	3,754.5	3,689.9	3,668.7	11.7	9.1	156.43	-201.1	-358.9	852.5	837.6	14.87	57.322		
3,900.0	3,852.9	3,786.4	3,764.4	12.0	9.3	156.44	-207.7	-368.7	878.8	863.5	15.29	57.492		
4,000.0	3,951.3	3,882.9	3,860.1	12.4	9.6	156.45	-214.4	-378.5	905.2	889.5	15.70	57.652		
4,100.0	4,049.7	3,979.4	3,955.9	12.7	9.9	156.46	-221.0	-388.3	931.5	915.4	16.11	57.804		
4,200.0	4,148.1	4,075.8	4,051.6	13.1	10.1	156.47	-227.6	-398.1	957.8	941.3	16.53	57.948		
4,300.0	4,246.5	4,172.3	4,147.4	13.5	10.4	156.48	-234.2	-407.9	984.2	967.2	16.94	58.084		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4D-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.60	0.4	-52.5	52.5					
100.0	100.0	100.0	100.0	0.2	0.2	-89.60	0.4	-52.5	52.5	52.2	0.30	172.989		
200.0	200.0	200.0	200.0	0.3	0.3	-89.60	0.4	-52.5	52.5	51.9	0.65	80.482		
300.0	300.0	300.0	300.0	0.5	0.5	-89.60	0.4	-52.5	52.5	51.5	1.00	52.439	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	156.96	0.4	-52.5	53.3	52.0	1.35	39.483		
500.0	500.0	500.0	500.0	0.9	0.8	158.00	0.4	-52.5	55.8	54.1	1.70	32.796		
600.0	599.9	599.2	599.2	1.0	1.0	158.93	-0.2	-53.1	60.4	58.3	2.05	29.480		
700.0	699.7	698.2	698.1	1.2	1.2	159.12	-2.1	-54.9	67.8	65.4	2.40	28.266	SF	
800.0	799.4	796.8	796.7	1.4	1.4	158.76	-5.1	-57.9	78.0	75.2	2.75	28.327		
900.0	898.9	895.0	894.7	1.7	1.6	158.07	-9.4	-62.1	90.9	87.8	3.11	29.204		
1,000.0	998.3	992.6	992.0	1.9	1.8	157.22	-14.8	-67.3	106.6	103.1	3.48	30.620		
1,100.0	1,097.4	1,090.1	1,089.0	2.2	2.0	156.35	-21.2	-73.7	125.0	121.1	3.86	32.384		
1,200.0	1,196.3	1,188.0	1,186.5	2.5	2.2	155.87	-28.0	-80.3	145.2	140.9	4.25	34.199		
1,300.0	1,294.9	1,285.6	1,283.7	2.8	2.4	155.73	-34.7	-86.9	166.9	162.3	4.64	36.010		
1,400.0	1,393.3	1,382.9	1,380.5	3.1	2.6	155.83	-41.4	-93.5	189.9	184.8	5.03	37.722		
1,500.0	1,491.7	1,480.3	1,477.4	3.5	2.9	155.94	-48.2	-100.0	212.9	207.4	5.44	39.162		
1,600.0	1,590.1	1,577.6	1,574.3	3.8	3.1	156.03	-54.9	-106.6	235.9	230.0	5.84	40.389		
1,700.0	1,688.5	1,674.9	1,671.1	4.2	3.3	156.11	-61.6	-113.2	258.9	252.6	6.25	41.444		
1,800.0	1,786.9	1,772.2	1,768.0	4.5	3.5	156.17	-68.3	-119.8	281.9	275.2	6.65	42.361		
1,900.0	1,885.2	1,869.5	1,864.8	4.9	3.8	156.23	-75.0	-126.3	304.9	297.8	7.06	43.165		
2,000.0	1,983.6	1,966.8	1,961.7	5.2	4.0	156.27	-81.7	-132.9	327.9	320.4	7.47	43.875		
2,100.0	2,082.0	2,064.1	2,058.6	5.6	4.2	156.31	-88.4	-139.5	350.9	343.0	7.88	44.506		
2,200.0	2,180.4	2,161.5	2,155.4	5.9	4.5	156.35	-95.1	-146.1	373.9	365.6	8.30	45.071		
2,300.0	2,278.8	2,258.8	2,252.3	6.3	4.7	156.38	-101.9	-152.6	397.0	388.2	8.71	45.579		
2,400.0	2,377.2	2,356.1	2,349.2	6.6	4.9	156.40	-108.6	-159.2	420.0	410.8	9.12	46.038		
2,500.0	2,475.5	2,453.4	2,446.0	7.0	5.2	156.43	-115.3	-165.8	443.0	433.4	9.54	46.456		
2,600.0	2,573.9	2,550.7	2,542.9	7.3	5.4	156.45	-122.0	-172.3	466.0	456.0	9.95	46.836		
2,700.0	2,672.3	2,648.0	2,639.7	7.7	5.6	156.47	-128.7	-178.9	489.0	478.6	10.36	47.185		
2,800.0	2,770.7	2,745.4	2,736.6	8.1	5.9	156.49	-135.4	-185.5	512.0	501.2	10.78	47.506		
2,900.0	2,869.1	2,842.7	2,833.5	8.4	6.1	156.51	-142.1	-192.1	535.0	523.8	11.19	47.801		
3,000.0	2,967.5	2,940.0	2,930.3	8.8	6.3	156.52	-148.8	-198.6	558.0	546.4	11.61	48.074		
3,100.0	3,065.9	3,037.3	3,027.2	9.1	6.6	156.54	-155.6	-205.2	581.1	569.0	12.02	48.328		
3,200.0	3,164.2	3,134.6	3,124.0	9.5	6.8	156.55	-162.3	-211.8	604.1	591.6	12.44	48.564		
3,300.0	3,262.6	3,231.9	3,220.9	9.9	7.0	156.56	-169.0	-218.4	627.1	614.2	12.85	48.784		
3,400.0	3,361.0	3,329.3	3,317.8	10.2	7.3	156.57	-175.7	-224.9	650.1	636.8	13.27	48.989		
3,500.0	3,459.4	3,426.6	3,414.6	10.6	7.5	156.58	-182.4	-231.5	673.1	659.4	13.69	49.182		
3,600.0	3,557.8	3,523.9	3,511.5	10.9	7.7	156.59	-189.1	-238.1	696.1	682.0	14.10	49.362		
3,700.0	3,656.2	3,621.2	3,608.4	11.3	8.0	156.60	-195.8	-244.6	719.1	704.6	14.52	49.532		
3,800.0	3,754.5	3,718.5	3,705.2	11.7	8.2	156.61	-202.5	-251.2	742.1	727.2	14.93	49.692		
3,900.0	3,852.9	3,815.8	3,802.1	12.0	8.4	156.62	-209.2	-257.8	765.2	749.8	15.35	49.843		
4,000.0	3,951.3	3,913.2	3,898.9	12.4	8.7	156.63	-216.0	-264.4	788.2	772.4	15.77	49.986		
4,100.0	4,049.7	4,010.5	3,995.8	12.7	8.9	156.63	-222.7	-270.9	811.2	795.0	16.18	50.121		
4,200.0	4,148.1	4,107.8	4,092.7	13.1	9.1	156.64	-229.4	-277.5	834.2	817.6	16.60	50.249		
4,300.0	4,246.5	4,205.1	4,189.5	13.5	9.4	156.65	-236.1	-284.1	857.2	840.2	17.02	50.371		
4,400.0	4,344.8	4,302.4	4,286.4	13.8	9.6	156.65	-242.8	-290.7	880.2	862.8	17.43	50.486		
4,500.0	4,443.2	4,399.7	4,383.2	14.2	9.9	156.66	-249.5	-297.2	903.2	885.4	17.85	50.596		
4,600.0	4,541.6	4,497.0	4,480.1	14.5	10.1	156.66	-256.2	-303.8	926.2	908.0	18.27	50.701		
4,700.0	4,640.0	4,594.4	4,577.0	14.9	10.3	156.67	-262.9	-310.4	949.3	930.6	18.69	50.801		
4,800.0	4,738.4	4,691.7	4,673.8	15.3	10.6	156.67	-269.7	-317.0	972.3	953.2	19.10	50.896		
4,900.0	4,836.8	4,789.0	4,770.7	15.6	10.8	156.68	-276.4	-323.5	995.3	975.8	19.52	50.987		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4E-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.55	0.4	-45.0	45.0					
100.0	100.0	100.0	100.0	0.2	0.2	-89.55	0.4	-45.0	45.0	44.7	0.30	148.146		
200.0	200.0	200.0	200.0	0.3	0.3	-89.55	0.4	-45.0	45.0	44.3	0.65	68.924		
300.0	300.0	300.0	300.0	0.5	0.5	-89.55	0.4	-45.0	45.0	44.0	1.00	44.908 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	157.08	0.4	-45.0	45.8	44.4	1.35	33.899		
500.0	500.0	500.0	500.0	0.9	0.8	158.28	0.4	-45.0	48.2	46.5	1.70	28.361		
600.0	599.9	599.9	599.9	1.0	1.0	160.04	0.4	-45.0	52.3	50.2	2.05	25.516		
700.0	699.7	699.3	699.3	1.2	1.2	161.27	-0.4	-45.4	58.4	56.0	2.40	24.335		
800.0	799.4	798.6	798.5	1.4	1.4	161.32	-2.7	-46.5	66.7	64.0	2.75	24.258 SF		
900.0	898.9	897.6	897.4	1.7	1.6	160.56	-6.6	-48.4	77.3	74.2	3.11	24.879		
1,000.0	998.3	996.2	995.9	1.9	1.7	159.34	-12.0	-51.0	90.2	86.7	3.48	25.957		
1,100.0	1,097.4	1,094.7	1,094.2	2.2	1.9	158.04	-18.6	-54.2	105.3	101.5	3.85	27.329		
1,200.0	1,196.3	1,193.3	1,192.4	2.5	2.1	157.29	-25.4	-57.5	122.1	117.9	4.24	28.806		
1,300.0	1,294.9	1,291.6	1,290.4	2.8	2.3	156.99	-32.1	-60.7	140.5	135.9	4.63	30.349		
1,400.0	1,393.3	1,389.7	1,388.2	3.1	2.5	156.97	-38.9	-64.0	160.1	155.0	5.03	31.848		
1,500.0	1,491.7	1,487.7	1,486.0	3.5	2.7	157.00	-45.6	-67.3	179.7	174.3	5.43	33.113		
1,600.0	1,590.1	1,585.8	1,583.7	3.8	3.0	157.01	-52.3	-70.5	199.4	193.6	5.83	34.188		
1,700.0	1,688.5	1,683.8	1,681.5	4.2	3.2	157.03	-59.1	-73.8	219.1	212.8	6.24	35.113		
1,800.0	1,786.9	1,781.9	1,779.3	4.5	3.4	157.04	-65.8	-77.1	238.7	232.1	6.65	35.917		
1,900.0	1,885.2	1,879.9	1,877.0	4.9	3.6	157.05	-72.5	-80.3	258.4	251.3	7.06	36.620		
2,000.0	1,983.6	1,978.0	1,974.8	5.2	3.8	157.06	-79.3	-83.6	278.1	270.6	7.47	37.241		
2,100.0	2,082.0	2,076.0	2,072.6	5.6	4.0	157.07	-86.0	-86.9	297.7	289.9	7.88	37.793		
2,200.0	2,180.4	2,174.1	2,170.3	5.9	4.2	157.07	-92.7	-90.1	317.4	309.1	8.29	38.287		
2,300.0	2,278.8	2,272.1	2,268.1	6.3	4.4	157.08	-99.5	-93.4	337.1	328.4	8.70	38.730		
2,400.0	2,377.2	2,370.1	2,365.8	6.6	4.6	157.08	-106.2	-96.7	356.7	347.6	9.12	39.131		
2,500.0	2,475.5	2,468.2	2,463.6	7.0	4.8	157.09	-112.9	-99.9	376.4	366.9	9.53	39.495		
2,600.0	2,573.9	2,566.2	2,561.4	7.3	5.1	157.09	-119.7	-103.2	396.1	386.1	9.94	39.828		
2,700.0	2,672.3	2,664.3	2,659.1	7.7	5.3	157.10	-126.4	-106.5	415.7	405.4	10.36	40.131		
2,800.0	2,770.7	2,762.3	2,756.9	8.1	5.5	157.10	-133.2	-109.7	435.4	424.6	10.77	40.411		
2,900.0	2,869.1	2,860.4	2,854.6	8.4	5.7	157.10	-139.9	-113.0	455.1	443.9	11.19	40.668		
3,000.0	2,967.5	2,958.4	2,952.4	8.8	5.9	157.11	-146.6	-116.3	474.7	463.1	11.61	40.906		
3,100.0	3,065.9	3,056.5	3,050.2	9.1	6.1	157.11	-153.4	-119.5	494.4	482.4	12.02	41.127		
3,200.0	3,164.2	3,154.5	3,147.9	9.5	6.3	157.11	-160.1	-122.8	514.1	501.6	12.44	41.332		
3,300.0	3,262.6	3,252.6	3,245.7	9.9	6.6	157.11	-166.8	-126.1	533.7	520.9	12.85	41.523		
3,400.0	3,361.0	3,350.6	3,343.4	10.2	6.8	157.12	-173.6	-129.3	553.4	540.1	13.27	41.702		
3,500.0	3,459.4	3,448.7	3,441.2	10.6	7.0	157.12	-180.3	-132.6	573.1	559.4	13.69	41.869		
3,600.0	3,557.8	3,546.7	3,539.0	10.9	7.2	157.12	-187.0	-135.9	592.7	578.6	14.10	42.026		
3,700.0	3,656.2	3,644.8	3,636.7	11.3	7.4	157.12	-193.8	-139.1	612.4	597.9	14.52	42.174		
3,800.0	3,754.5	3,742.8	3,734.5	11.7	7.6	157.12	-200.5	-142.4	632.1	617.1	14.94	42.313		
3,900.0	3,852.9	3,840.9	3,832.2	12.0	7.8	157.12	-207.2	-145.7	651.7	636.4	15.35	42.444		
4,000.0	3,951.3	3,938.9	3,930.0	12.4	8.0	157.13	-214.0	-148.9	671.4	655.6	15.77	42.568		
4,100.0	4,049.7	4,037.0	4,027.8	12.7	8.3	157.13	-220.7	-152.2	691.1	674.9	16.19	42.685		
4,200.0	4,148.1	4,135.0	4,125.5	13.1	8.5	157.13	-227.4	-155.5	710.7	694.1	16.61	42.796		
4,300.0	4,246.5	4,233.0	4,223.3	13.5	8.7	157.13	-234.2	-158.7	730.4	713.4	17.02	42.902		
4,400.0	4,344.8	4,331.1	4,321.1	13.8	8.9	157.13	-240.9	-162.0	750.1	732.6	17.44	43.002		
4,500.0	4,443.2	4,429.1	4,418.8	14.2	9.1	157.13	-247.7	-165.3	769.7	751.9	17.86	43.098		
4,600.0	4,541.6	4,527.2	4,516.6	14.5	9.3	157.13	-254.4	-168.5	789.4	771.1	18.28	43.188		
4,700.0	4,640.0	4,625.2	4,614.3	14.9	9.5	157.13	-261.1	-171.8	809.1	790.4	18.70	43.275		
4,800.0	4,738.4	4,723.3	4,712.1	15.3	9.8	157.13	-267.9	-175.1	828.7	809.6	19.11	43.358		
4,900.0	4,836.8	4,821.3	4,809.9	15.6	10.0	157.14	-274.6	-178.3	848.4	828.9	19.53	43.437		
5,000.0	4,935.1	4,919.4	4,907.6	16.0	10.2	157.14	-281.3	-181.6	868.0	848.1	19.95	43.512		
5,100.0	5,033.5	5,017.4	5,005.4	16.3	10.4	157.14	-288.1	-184.9	887.7	867.3	20.37	43.585		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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										S35-T3N-R67W (Kiyota) - Kiyota 4E-35H-O367 - 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 +N/-S	Centre +E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)							
5,200.0	5,131.9	5,115.5	5,103.1	16.7	10.6	157.14	-294.8	-188.1	907.4	886.6	20.79	43.654					
5,300.0	5,230.3	5,213.5	5,200.9	17.1	10.8	157.14	-301.5	-191.4	927.0	905.8	21.20	43.721					
5,400.0	5,328.7	5,311.6	5,298.7	17.4	11.1	157.14	-308.3	-194.7	946.7	925.1	21.62	43.785					
5,500.0	5,427.1	5,409.6	5,396.4	17.8	11.3	157.14	-315.0	-197.9	966.4	944.3	22.04	43.846					
5,600.0	5,525.4	5,507.7	5,494.2	18.1	11.5	157.14	-321.7	-201.2	986.0	963.6	22.46	43.905					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4F-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.40	0.4	-37.4	37.4					
100.0	100.0	100.0	100.0	0.2	0.2	-89.40	0.4	-37.4	37.4	37.1	0.30	123.304		
200.0	200.0	200.0	200.0	0.3	0.3	-89.40	0.4	-37.4	37.4	36.8	0.65	57.366		
300.0	300.0	300.0	300.0	0.5	0.5	-89.40	0.4	-37.4	37.4	36.4	1.00	37.378	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	157.30	0.4	-37.4	38.2	36.9	1.35	28.315		
500.0	500.0	500.0	500.0	0.9	0.8	158.72	0.4	-37.4	40.7	39.0	1.70	23.927		
600.0	599.9	599.9	599.9	1.0	1.0	160.73	0.4	-37.4	44.8	42.7	2.05	21.847		
700.0	699.7	699.7	699.7	1.2	1.2	163.00	0.4	-37.4	50.6	48.2	2.40	21.089	SF	
800.0	799.4	799.4	799.4	1.4	1.4	165.24	0.4	-37.4	58.1	55.4	2.75	21.165		
900.0	898.9	898.9	898.9	1.7	1.5	167.29	0.4	-37.4	67.4	64.3	3.09	21.803		
1,000.0	998.3	998.3	998.3	1.9	1.7	169.09	0.4	-37.4	78.5	75.1	3.44	22.837		
1,100.0	1,097.4	1,097.4	1,097.4	2.2	1.9	170.62	0.4	-37.4	91.4	87.6	3.78	24.161		
1,200.0	1,196.3	1,196.3	1,196.3	2.5	2.1	171.90	0.4	-37.4	106.0	101.9	4.12	25.703		
1,300.0	1,294.9	1,294.9	1,294.9	2.8	2.2	172.97	0.4	-37.4	122.4	117.9	4.46	27.414		
1,400.0	1,393.3	1,393.3	1,393.3	3.1	2.4	173.85	0.4	-37.4	140.1	135.3	4.81	29.141		
1,500.0	1,491.7	1,491.7	1,491.7	3.5	2.6	174.55	0.4	-37.4	157.9	152.7	5.15	30.646		
1,600.0	1,590.1	1,591.0	1,591.0	3.8	2.8	174.88	-0.3	-37.4	175.5	170.0	5.50	31.910		
1,700.0	1,688.5	1,690.5	1,690.5	4.2	2.9	174.66	-2.8	-37.4	192.6	186.7	5.85	32.910		
1,800.0	1,786.9	1,790.2	1,790.1	4.5	3.1	174.02	-7.0	-37.5	209.1	202.9	6.21	33.681		
1,900.0	1,885.2	1,890.0	1,889.7	4.9	3.3	173.05	-12.9	-37.5	225.1	218.6	6.57	34.250		
2,000.0	1,983.6	1,989.8	1,989.2	5.2	3.5	171.80	-20.5	-37.5	240.8	233.8	6.95	34.636		
2,100.0	2,082.0	2,088.5	2,087.6	5.6	3.7	170.51	-29.1	-37.5	256.2	248.9	7.34	34.921		
2,200.0	2,180.4	2,187.2	2,185.8	5.9	3.9	169.35	-37.7	-37.5	271.8	264.1	7.73	35.159		
2,300.0	2,278.8	2,285.8	2,284.1	6.3	4.1	168.33	-46.2	-37.5	287.5	279.4	8.13	35.358		
2,400.0	2,377.2	2,384.4	2,382.3	6.6	4.3	167.41	-54.8	-37.5	303.3	294.8	8.54	35.524		
2,500.0	2,475.5	2,483.1	2,480.6	7.0	4.5	166.58	-63.4	-37.5	319.1	310.2	8.95	35.664		
2,600.0	2,573.9	2,581.7	2,578.9	7.3	4.7	165.83	-72.0	-37.5	335.0	325.7	9.36	35.780		
2,700.0	2,672.3	2,680.4	2,677.1	7.7	4.9	165.14	-80.5	-37.5	351.0	341.2	9.78	35.878		
2,800.0	2,770.7	2,779.0	2,775.4	8.1	5.1	164.52	-89.1	-37.6	367.0	356.8	10.20	35.961		
2,900.0	2,869.1	2,877.6	2,873.7	8.4	5.3	163.95	-97.7	-37.6	383.0	372.4	10.63	36.030		
3,000.0	2,967.5	2,976.3	2,971.9	8.8	5.5	163.42	-106.2	-37.6	399.1	388.0	11.06	36.089		
3,100.0	3,065.9	3,074.9	3,070.2	9.1	5.7	162.94	-114.8	-37.6	415.1	403.7	11.49	36.138		
3,200.0	3,164.2	3,173.5	3,168.5	9.5	6.0	162.49	-123.4	-37.6	431.3	419.3	11.92	36.180		
3,300.0	3,262.6	3,272.2	3,266.7	9.9	6.2	162.07	-131.9	-37.6	447.4	435.1	12.35	36.215		
3,400.0	3,361.0	3,370.8	3,365.0	10.2	6.4	161.69	-140.5	-37.6	463.6	450.8	12.79	36.245		
3,500.0	3,459.4	3,469.5	3,463.3	10.6	6.6	161.33	-149.1	-37.6	479.8	466.5	13.23	36.270		
3,600.0	3,557.8	3,568.1	3,561.5	10.9	6.8	160.99	-157.7	-37.6	496.0	482.3	13.67	36.291		
3,700.0	3,656.2	3,666.7	3,659.8	11.3	7.0	160.67	-166.2	-37.6	512.2	498.1	14.11	36.308		
3,800.0	3,754.5	3,765.4	3,758.1	11.7	7.3	160.37	-174.8	-37.7	528.4	513.9	14.55	36.323		
3,900.0	3,852.9	3,864.0	3,856.3	12.0	7.5	160.10	-183.4	-37.7	544.7	529.7	14.99	36.335		
4,000.0	3,951.3	3,962.6	3,954.6	12.4	7.7	159.83	-191.9	-37.7	560.9	545.5	15.43	36.345		
4,100.0	4,049.7	4,061.3	4,052.9	12.7	7.9	159.58	-200.5	-37.7	577.2	561.3	15.88	36.353		
4,200.0	4,148.1	4,159.9	4,151.1	13.1	8.1	159.35	-209.1	-37.7	593.5	577.1	16.32	36.360		
4,300.0	4,246.5	4,258.6	4,249.4	13.5	8.4	159.13	-217.6	-37.7	609.8	593.0	16.77	36.365		
4,400.0	4,344.8	4,357.2	4,347.6	13.8	8.6	158.92	-226.2	-37.7	626.1	608.8	17.21	36.369		
4,500.0	4,443.2	4,455.8	4,445.9	14.2	8.8	158.72	-234.8	-37.7	642.4	624.7	17.66	36.372		
4,600.0	4,541.6	4,554.5	4,544.2	14.5	9.0	158.53	-243.4	-37.7	658.7	640.6	18.11	36.375		
4,700.0	4,640.0	4,653.1	4,642.4	14.9	9.3	158.35	-251.9	-37.7	675.0	656.4	18.56	36.376		
4,800.0	4,738.4	4,751.7	4,740.7	15.3	9.5	158.17	-260.5	-37.8	691.3	672.3	19.00	36.377		
4,900.0	4,836.8	4,850.4	4,839.0	15.6	9.7	158.01	-269.1	-37.8	707.6	688.2	19.45	36.377		
5,000.0	4,935.1	4,949.0	4,937.2	16.0	9.9	157.85	-277.6	-37.8	724.0	704.1	19.90	36.376		
5,100.0	5,033.5	5,047.7	5,035.5	16.3	10.1	157.70	-286.2	-37.8	740.3	720.0	20.35	36.376		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4F-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,131.9	5,146.3	5,133.8	16.7	10.4	157.56	-294.8	-37.8	756.7	735.9	20.80	36.374		
5,300.0	5,230.3	5,244.9	5,232.0	17.1	10.6	157.42	-303.3	-37.8	773.0	751.8	21.25	36.373		
5,400.0	5,328.7	5,343.6	5,330.3	17.4	10.8	157.29	-311.9	-37.8	789.4	767.7	21.70	36.371		
5,500.0	5,427.1	5,442.2	5,428.6	17.8	11.0	157.16	-320.5	-37.8	805.7	783.6	22.15	36.369		
5,600.0	5,525.4	5,540.8	5,526.8	18.1	11.3	157.04	-329.1	-37.8	822.1	799.5	22.61	36.367		
5,700.0	5,623.8	5,639.5	5,625.1	18.5	11.5	156.93	-337.6	-37.8	838.4	815.4	23.06	36.364		
5,800.0	5,722.2	5,738.1	5,723.4	18.9	11.7	156.81	-346.2	-37.9	854.8	831.3	23.51	36.362		
5,900.0	5,820.6	5,836.8	5,821.6	19.2	11.9	156.71	-354.8	-37.9	871.2	847.2	23.96	36.359		
6,000.0	5,919.0	5,935.4	5,919.9	19.6	12.2	156.60	-363.3	-37.9	887.6	863.1	24.41	36.356		
6,100.0	6,017.4	6,034.0	6,018.1	19.9	12.4	156.50	-371.9	-37.9	903.9	879.1	24.87	36.353		
6,200.0	6,115.7	6,132.7	6,116.4	20.3	12.6	156.40	-380.5	-37.9	920.3	895.0	25.32	36.350		
6,300.0	6,214.1	6,231.3	6,214.7	20.7	12.8	156.31	-389.0	-37.9	936.7	910.9	25.77	36.347		
6,400.0	6,312.5	6,329.9	6,312.9	21.0	13.1	156.22	-397.6	-37.9	953.1	926.9	26.22	36.344		
6,500.0	6,410.9	6,428.1	6,410.8	21.4	13.3	156.28	-403.7	-37.9	969.5	942.9	26.61	36.432		
6,600.0	6,509.3	6,524.0	6,506.5	21.8	13.3	157.04	-397.7	-37.9	986.1	959.3	26.76	36.844		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4G-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.28	0.4	-30.2	30.2					
100.0	100.0	100.0	100.0	0.2	0.2	-89.28	0.4	-30.2	30.2	29.9	0.30	99.382		
200.0	200.0	200.0	200.0	0.3	0.3	-89.28	0.4	-30.2	30.2	29.5	0.65	46.237		
300.0	300.0	300.0	300.0	0.5	0.5	-89.28	0.4	-30.2	30.2	29.2	1.00	30.126 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	157.55	0.4	-30.2	31.0	29.6	1.35	22.938		
500.0	500.0	500.0	500.0	0.9	0.8	159.25	0.4	-30.2	33.4	31.7	1.70	19.659		
600.0	599.9	599.9	599.9	1.0	1.0	161.60	0.4	-30.2	37.5	35.5	2.05	18.316		
700.0	699.7	699.7	699.7	1.2	1.2	164.13	0.4	-30.2	43.4	41.0	2.40	18.087		
800.0	799.4	799.9	799.9	1.4	1.4	165.73	-0.4	-29.8	50.5	47.7	2.75	18.370		
900.0	898.9	900.1	900.1	1.7	1.6	165.92	-2.8	-28.7	58.3	55.2	3.10	18.803		
1,000.0	998.3	1,000.4	1,000.2	1.9	1.7	165.19	-6.7	-26.8	66.8	63.3	3.46	19.319		
1,100.0	1,097.4	1,100.6	1,100.3	2.2	1.9	163.87	-12.3	-24.2	76.0	72.2	3.82	19.877		
1,200.0	1,196.3	1,200.6	1,199.9	2.5	2.1	162.23	-19.3	-20.9	86.0	81.8	4.20	20.472		
1,300.0	1,294.9	1,299.9	1,298.9	2.8	2.3	161.09	-26.6	-17.5	97.6	93.0	4.59	21.263		
1,400.0	1,393.3	1,399.1	1,397.8	3.1	2.5	160.43	-33.9	-14.1	110.4	105.4	4.99	22.149		
1,500.0	1,491.7	1,498.2	1,496.6	3.5	2.7	159.94	-41.2	-10.6	123.3	118.0	5.39	22.892		
1,600.0	1,590.1	1,597.4	1,595.4	3.8	2.9	159.54	-48.4	-7.2	136.3	130.5	5.79	23.517		
1,700.0	1,688.5	1,696.5	1,694.3	4.2	3.2	159.21	-55.7	-3.8	149.2	143.0	6.20	24.049		
1,800.0	1,786.9	1,795.7	1,793.1	4.5	3.4	158.94	-63.0	-0.3	162.2	155.5	6.62	24.505		
1,900.0	1,885.2	1,894.8	1,891.9	4.9	3.6	158.70	-70.3	3.1	175.1	168.1	7.03	24.901		
2,000.0	1,983.6	1,994.0	1,990.7	5.2	3.8	158.50	-77.6	6.5	188.1	180.6	7.45	25.246		
2,100.0	2,082.0	2,093.1	2,089.6	5.6	4.0	158.32	-84.9	9.9	201.0	193.1	7.87	25.550		
2,200.0	2,180.4	2,192.3	2,188.4	5.9	4.2	158.16	-92.1	13.4	214.0	205.7	8.29	25.819		
2,300.0	2,278.8	2,291.5	2,287.2	6.3	4.4	158.03	-99.4	16.8	226.9	218.2	8.71	26.059		
2,400.0	2,377.2	2,390.6	2,386.1	6.6	4.7	157.90	-106.7	20.2	239.9	230.7	9.13	26.274		
2,500.0	2,475.5	2,489.8	2,484.9	7.0	4.9	157.79	-114.0	23.6	252.8	243.3	9.55	26.468		
2,600.0	2,573.9	2,588.9	2,583.7	7.3	5.1	157.69	-121.3	27.1	265.8	255.8	9.97	26.644		
2,700.0	2,672.3	2,688.1	2,682.5	7.7	5.3	157.60	-128.6	30.5	278.7	268.3	10.40	26.803		
2,800.0	2,770.7	2,787.2	2,781.4	8.1	5.5	157.52	-135.8	33.9	291.7	280.9	10.82	26.949		
2,900.0	2,869.1	2,886.4	2,880.2	8.4	5.8	157.44	-143.1	37.4	304.6	293.4	11.25	27.082		
3,000.0	2,967.5	2,985.5	2,979.0	8.8	6.0	157.38	-150.4	40.8	317.6	305.9	11.67	27.205		
3,100.0	3,065.9	3,084.7	3,077.9	9.1	6.2	157.31	-157.7	44.2	330.6	318.5	12.10	27.318		
3,200.0	3,164.2	3,183.9	3,176.7	9.5	6.4	157.25	-165.0	47.6	343.5	331.0	12.53	27.423		
3,300.0	3,262.6	3,283.0	3,275.5	9.9	6.6	157.20	-172.3	51.1	356.5	343.5	12.95	27.520		
3,400.0	3,361.0	3,382.2	3,374.3	10.2	6.9	157.15	-179.5	54.5	369.4	356.1	13.38	27.610		
3,500.0	3,459.4	3,481.3	3,473.2	10.6	7.1	157.10	-186.8	57.9	382.4	368.6	13.81	27.694		
3,600.0	3,557.8	3,580.5	3,572.0	10.9	7.3	157.05	-194.1	61.4	395.4	381.1	14.24	27.773		
3,700.0	3,656.2	3,679.6	3,670.8	11.3	7.5	157.01	-201.4	64.8	408.3	393.7	14.66	27.846		
3,800.0	3,754.5	3,778.8	3,769.7	11.7	7.7	156.97	-208.7	68.2	421.3	406.2	15.09	27.915		
3,900.0	3,852.9	3,878.0	3,868.5	12.0	8.0	156.94	-216.0	71.6	434.2	418.7	15.52	27.980		
4,000.0	3,951.3	3,977.1	3,967.3	12.4	8.2	156.90	-223.2	75.1	447.2	431.3	15.95	28.041		
4,100.0	4,049.7	4,076.3	4,066.1	12.7	8.4	156.87	-230.5	78.5	460.2	443.8	16.38	28.099		
4,200.0	4,148.1	4,175.4	4,165.0	13.1	8.6	156.84	-237.8	81.9	473.1	456.3	16.81	28.153		
4,300.0	4,246.5	4,274.6	4,263.8	13.5	8.9	156.81	-245.1	85.3	486.1	468.9	17.23	28.205		
4,400.0	4,344.8	4,373.7	4,362.6	13.8	9.1	156.78	-252.4	88.8	499.1	481.4	17.66	28.253		
4,500.0	4,443.2	4,472.9	4,461.5	14.2	9.3	156.76	-259.7	92.2	512.0	493.9	18.09	28.300		
4,600.0	4,541.6	4,572.0	4,560.3	14.5	9.5	156.73	-266.9	95.6	525.0	506.5	18.52	28.344		
4,700.0	4,640.0	4,671.2	4,659.1	14.9	9.7	156.71	-274.2	99.1	537.9	519.0	18.95	28.386		
4,800.0	4,738.4	4,770.4	4,757.9	15.3	10.0	156.69	-281.5	102.5	550.9	531.5	19.38	28.425		
4,900.0	4,836.8	4,869.5	4,856.8	15.6	10.2	156.66	-288.8	105.9	563.9	544.1	19.81	28.463		
5,000.0	4,935.1	4,968.7	4,955.6	16.0	10.4	156.64	-296.1	109.3	576.8	556.6	20.24	28.500		
5,100.0	5,033.5	5,067.8	5,054.4	16.3	10.6	156.62	-303.4	112.8	589.8	569.1	20.67	28.534		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4G-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,200.0	5,131.9	5,167.0	5,153.3	16.7	10.9	156.60	-310.6	116.2	602.8	581.7	21.10	28.567		
5,300.0	5,230.3	5,266.1	5,252.1	17.1	11.1	156.59	-317.9	119.6	615.7	594.2	21.53	28.599		
5,400.0	5,328.7	5,365.3	5,350.9	17.4	11.3	156.57	-325.2	123.0	628.7	606.7	21.96	28.629		
5,500.0	5,427.1	5,464.5	5,449.7	17.8	11.5	156.55	-332.5	126.5	641.6	619.3	22.39	28.658		
5,600.0	5,525.4	5,563.6	5,548.6	18.1	11.7	156.54	-339.8	129.9	654.6	631.8	22.82	28.686		
5,700.0	5,623.8	5,662.8	5,647.4	18.5	12.0	156.52	-347.1	133.3	667.6	644.3	23.25	28.713		
5,800.0	5,722.2	5,761.9	5,746.2	18.9	12.2	156.51	-354.3	136.8	680.5	656.8	23.68	28.739		
5,900.0	5,820.6	5,861.1	5,845.1	19.2	12.4	156.49	-361.6	140.2	693.5	669.4	24.11	28.764		
6,000.0	5,919.0	5,960.2	5,943.9	19.6	12.6	156.48	-368.9	143.6	706.5	681.9	24.54	28.788		
6,100.0	6,017.4	6,059.4	6,042.7	19.9	12.9	156.47	-376.2	147.0	719.4	694.4	24.97	28.811		
6,200.0	6,115.7	6,158.5	6,141.6	20.3	13.1	156.45	-383.5	150.5	732.4	707.0	25.40	28.833		
6,300.0	6,214.1	6,257.7	6,240.4	20.7	13.3	156.44	-390.8	153.9	745.3	719.5	25.83	28.854		
6,400.0	6,312.5	6,356.9	6,339.2	21.0	13.5	156.43	-398.0	157.3	758.3	732.0	26.26	28.875		
6,500.0	6,410.9	6,456.0	6,438.0	21.4	13.7	156.42	-405.3	160.8	771.3	744.6	26.69	28.900		
6,600.0	6,509.3	6,553.6	6,535.5	21.8	13.9	156.96	-405.0	164.1	784.3	757.4	26.91	29.146		
6,700.0	6,607.7	6,647.6	6,628.5	22.1	13.9	165.04	-392.1	167.4	797.9	771.1	26.82	29.746		
6,800.0	6,706.2	6,737.9	6,715.5	22.4	13.8	-147.26	-368.4	170.4	812.2	785.9	26.38	30.787		
6,900.0	6,803.5	6,825.9	6,796.8	22.6	13.7	-119.10	-334.9	173.2	826.9	801.0	25.92	31.907		
7,000.0	6,897.7	6,912.0	6,871.7	22.7	13.5	-105.27	-292.8	175.8	841.6	816.0	25.51	32.985		
7,100.0	6,987.0	6,996.4	6,939.8	22.8	13.3	-97.23	-243.0	178.2	855.7	830.4	25.23	33.916		
7,200.0	7,069.6	7,079.5	7,000.7	22.9	13.2	-91.89	-186.5	180.3	868.9	843.8	25.10	34.611		
7,300.0	7,143.9	7,161.5	7,053.9	22.9	13.2	-88.08	-124.2	182.1	880.9	855.7	25.15	35.027		
7,400.0	7,208.4	7,242.7	7,099.3	23.0	13.2	-85.29	-57.0	183.7	891.3	865.9	25.36	35.139		
7,500.0	7,262.0	7,323.2	7,136.5	23.1	13.3	-83.24	14.4	185.0	899.9	874.1	25.75	34.942		
7,600.0	7,303.5	7,400.0	7,164.3	23.3	13.6	-81.82	85.9	185.9	906.5	880.2	26.29	34.473		
7,700.0	7,332.2	7,483.1	7,185.6	23.6	14.0	-80.93	166.2	186.7	910.9	883.8	27.05	33.679		
7,800.0	7,347.4	7,562.9	7,197.1	24.0	14.5	-80.54	245.1	187.1	913.0	885.1	27.94	32.673		
7,900.0	7,350.0	7,646.5	7,200.0	24.5	15.2	-80.55	328.6	187.2	913.1	883.9	29.20	31.270		
8,000.0	7,350.0	7,746.5	7,200.0	25.0	16.1	-80.55	428.6	187.2	913.1	882.0	31.10	29.358		
8,100.0	7,350.0	7,846.5	7,200.0	25.7	17.2	-80.55	528.6	187.2	913.1	879.9	33.25	27.465		
8,200.0	7,350.0	7,946.5	7,200.0	26.5	18.3	-80.55	628.6	187.2	913.1	877.5	35.60	25.650		
8,300.0	7,350.0	8,046.5	7,200.0	27.4	19.6	-80.55	728.6	187.2	913.1	875.0	38.12	23.953		
8,400.0	7,350.0	8,146.5	7,200.0	28.3	20.9	-80.55	828.6	187.2	913.1	872.4	40.78	22.391		
8,500.0	7,350.0	8,246.5	7,200.0	29.4	22.3	-80.55	928.6	187.2	913.1	869.6	43.55	20.965		
8,600.0	7,350.0	8,346.5	7,200.0	30.5	23.7	-80.55	1,028.6	187.2	913.1	866.7	46.42	19.671		
8,700.0	7,350.0	8,446.5	7,200.0	31.6	25.2	-80.55	1,128.6	187.2	913.1	863.8	49.36	18.499		
8,800.0	7,350.0	8,546.5	7,200.0	32.9	26.7	-80.55	1,228.6	187.2	913.1	860.8	52.37	17.437		
8,900.0	7,350.0	8,646.5	7,200.0	34.1	28.2	-80.55	1,328.6	187.2	913.1	857.7	55.43	16.475		
9,000.0	7,350.0	8,746.5	7,200.0	35.4	29.8	-80.55	1,428.6	187.2	913.1	854.6	58.53	15.601		
9,100.0	7,350.0	8,846.5	7,200.0	36.8	31.4	-80.55	1,528.6	187.2	913.1	851.5	61.67	14.806		
9,200.0	7,350.0	8,946.5	7,200.0	38.1	33.0	-80.55	1,628.6	187.2	913.1	848.3	64.85	14.082		
9,300.0	7,350.0	9,046.5	7,200.0	39.5	34.6	-80.55	1,728.6	187.2	913.1	845.1	68.05	13.419		
9,400.0	7,350.0	9,146.5	7,200.0	41.0	36.2	-80.55	1,828.6	187.2	913.1	841.9	71.27	12.812		
9,500.0	7,350.0	9,246.5	7,200.0	42.4	37.9	-80.55	1,928.6	187.2	913.1	838.6	74.52	12.253		
9,600.0	7,350.0	9,346.5	7,200.0	43.9	39.5	-80.55	2,028.6	187.2	913.1	835.4	77.79	11.739		
9,700.0	7,350.0	9,446.5	7,200.0	45.4	41.2	-80.55	2,128.6	187.2	913.1	832.1	81.07	11.264		
9,800.0	7,350.0	9,546.5	7,200.0	46.9	42.8	-80.55	2,228.6	187.2	913.1	828.8	84.37	10.823		
9,900.0	7,350.0	9,646.5	7,200.0	48.4	44.5	-80.55	2,328.6	187.2	913.1	825.5	87.68	10.415		
10,000.0	7,350.0	9,746.5	7,200.0	50.0	46.2	-80.55	2,428.6	187.2	913.1	822.1	91.00	10.035		
10,100.0	7,350.0	9,846.5	7,200.0	51.6	47.9	-80.55	2,528.6	187.2	913.1	818.8	94.33	9.681		
10,200.0	7,350.0	9,946.5	7,200.0	53.1	49.6	-80.55	2,628.6	187.2	913.1	815.5	97.67	9.350		
10,300.0	7,350.0	10,046.5	7,200.0	54.7	51.3	-80.55	2,728.6	187.2	913.1	812.1	101.01	9.040		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4G-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,350.0	10,146.5	7,200.0	56.3	53.0	-80.55	2,828.6	187.2	913.1	808.8	104.37	8.749		
10,500.0	7,350.0	10,246.5	7,200.0	57.9	54.7	-80.55	2,928.6	187.2	913.1	805.4	107.73	8.476		
10,600.0	7,350.0	10,346.5	7,200.0	59.5	56.4	-80.55	3,028.6	187.2	913.1	802.0	111.10	8.219		
10,700.0	7,350.0	10,446.5	7,200.0	61.1	58.1	-80.55	3,128.6	187.2	913.1	798.7	114.47	7.977		
10,800.0	7,350.0	10,546.5	7,200.0	62.8	59.8	-80.55	3,228.6	187.2	913.1	795.3	117.85	7.748		
10,900.0	7,350.0	10,646.5	7,200.0	64.4	61.5	-80.55	3,328.6	187.2	913.1	791.9	121.23	7.532		
11,000.0	7,350.0	10,746.5	7,200.0	66.0	63.2	-80.55	3,428.6	187.2	913.1	788.5	124.62	7.327		
11,100.0	7,350.0	10,846.5	7,200.0	67.7	64.9	-80.55	3,528.6	187.2	913.1	785.1	128.01	7.133		
11,200.0	7,350.0	10,946.5	7,200.0	69.3	66.6	-80.55	3,628.6	187.2	913.1	781.7	131.41	6.949		
11,300.0	7,350.0	11,046.5	7,200.0	71.0	68.4	-80.55	3,728.6	187.2	913.1	778.3	134.81	6.774		
11,400.0	7,350.0	11,146.5	7,200.0	72.6	70.1	-80.55	3,828.6	187.2	913.1	774.9	138.21	6.607		
11,500.0	7,350.0	11,246.5	7,200.0	74.3	71.8	-80.55	3,928.6	187.2	913.1	771.5	141.61	6.448		
11,600.0	7,350.0	11,346.5	7,200.0	76.0	73.5	-80.55	4,028.6	187.2	913.1	768.1	145.02	6.297		
11,700.0	7,350.0	11,446.5	7,200.0	77.7	75.2	-80.55	4,128.6	187.2	913.1	764.7	148.43	6.152		
11,800.0	7,350.0	11,546.5	7,200.0	79.3	77.0	-80.55	4,228.6	187.2	913.1	761.3	151.84	6.014		
11,900.0	7,350.0	11,646.5	7,200.0	81.0	78.7	-80.55	4,328.6	187.2	913.1	757.9	155.26	5.881		
11,965.4	7,350.0	11,711.9	7,200.0	82.1	79.8	-80.55	4,394.0	187.2	913.1	755.6	157.49	5.798 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4H-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.94	0.0	-22.6	22.6					
100.0	100.0	100.0	100.0	0.2	0.2	-89.94	0.0	-22.6	22.6	22.3	0.30	74.531		
200.0	200.0	200.0	200.0	0.3	0.3	-89.94	0.0	-22.6	22.6	22.0	0.65	34.675		
300.0	300.0	300.0	300.0	0.5	0.5	-89.94	0.0	-22.6	22.6	21.6	1.00	22.593 CC, ES		
400.0	400.0	400.0	400.0	0.7	0.7	157.11	0.0	-22.6	23.4	22.1	1.35	17.348		
500.0	500.0	500.0	500.0	0.9	0.8	159.36	0.0	-22.6	25.9	24.2	1.70	15.216		
600.0	599.9	599.9	599.9	1.0	1.0	162.29	0.0	-22.6	30.0	27.9	2.05	14.636		
700.0	699.7	700.2	700.2	1.2	1.2	164.38	-0.6	-22.0	35.2	32.8	2.40	14.662		
800.0	799.4	800.5	800.5	1.4	1.4	165.03	-2.5	-20.2	40.7	37.9	2.75	14.796		
900.0	898.9	901.0	900.8	1.7	1.6	164.75	-5.7	-17.2	46.5	43.4	3.10	14.983		
1,000.0	998.3	1,001.4	1,001.1	1.9	1.8	163.83	-10.2	-13.0	52.7	49.2	3.47	15.194		
1,100.0	1,097.4	1,102.0	1,101.3	2.2	2.0	162.50	-16.0	-7.6	59.1	55.3	3.84	15.411		
1,200.0	1,196.3	1,202.2	1,201.1	2.5	2.2	160.98	-23.0	-1.1	66.1	61.9	4.22	15.655		
1,300.0	1,294.9	1,301.8	1,300.3	2.8	2.4	160.05	-30.1	5.5	74.5	69.9	4.61	16.147		
1,400.0	1,393.3	1,401.4	1,399.3	3.1	2.6	159.64	-37.2	12.2	84.1	79.1	5.01	16.793		
1,500.0	1,491.7	1,500.9	1,498.4	3.5	2.8	159.34	-44.3	18.9	93.9	88.4	5.41	17.340		
1,600.0	1,590.1	1,600.4	1,597.4	3.8	3.1	159.10	-51.5	25.5	103.6	97.8	5.82	17.802		
1,700.0	1,688.5	1,700.0	1,696.5	4.2	3.3	158.90	-58.6	32.2	113.3	107.1	6.23	18.196		
1,800.0	1,786.9	1,799.5	1,795.5	4.5	3.5	158.73	-65.7	38.8	123.1	116.4	6.64	18.535		
1,900.0	1,885.2	1,899.0	1,894.6	4.9	3.8	158.58	-72.8	45.5	132.8	125.8	7.05	18.830		
2,000.0	1,983.6	1,998.5	1,993.6	5.2	4.0	158.46	-80.0	52.2	142.6	135.1	7.47	19.089		
2,100.0	2,082.0	2,098.0	2,092.6	5.6	4.2	158.35	-87.1	58.8	152.3	144.4	7.88	19.317		
2,200.0	2,180.4	2,197.6	2,191.7	5.9	4.5	158.25	-94.2	65.5	162.0	153.7	8.30	19.520		
2,300.0	2,278.8	2,297.1	2,290.7	6.3	4.7	158.17	-101.3	72.1	171.8	163.1	8.72	19.701		
2,400.0	2,377.2	2,396.6	2,389.8	6.6	4.9	158.09	-108.4	78.8	181.5	172.4	9.14	19.864		
2,500.0	2,475.5	2,496.1	2,488.8	7.0	5.2	158.02	-115.6	85.5	191.3	181.7	9.56	20.011		
2,600.0	2,573.9	2,595.7	2,587.9	7.3	5.4	157.96	-122.7	92.1	201.0	191.0	9.98	20.144		
2,700.0	2,672.3	2,695.2	2,686.9	7.7	5.7	157.91	-129.8	98.8	210.8	200.4	10.40	20.266		
2,800.0	2,770.7	2,794.7	2,786.0	8.1	5.9	157.86	-136.9	105.4	220.5	209.7	10.82	20.377		
2,900.0	2,869.1	2,894.2	2,885.0	8.4	6.1	157.81	-144.1	112.1	230.2	219.0	11.24	20.479		
3,000.0	2,967.5	2,993.8	2,984.0	8.8	6.4	157.77	-151.2	118.8	240.0	228.3	11.67	20.574		
3,100.0	3,065.9	3,093.3	3,083.1	9.1	6.6	157.73	-158.3	125.4	249.7	237.6	12.09	20.660		
3,200.0	3,164.2	3,192.8	3,182.1	9.5	6.9	157.69	-165.4	132.1	259.5	247.0	12.51	20.741		
3,300.0	3,262.6	3,292.3	3,281.2	9.9	7.1	157.66	-172.5	138.7	269.2	256.3	12.93	20.816		
3,400.0	3,361.0	3,391.9	3,380.2	10.2	7.3	157.63	-179.7	145.4	279.0	265.6	13.36	20.885		
3,500.0	3,459.4	3,491.4	3,479.3	10.6	7.6	157.60	-186.8	152.1	288.7	274.9	13.78	20.951		
3,600.0	3,557.8	3,590.9	3,578.3	10.9	7.8	157.57	-193.9	158.7	298.5	284.3	14.20	21.011		
3,700.0	3,656.2	3,690.4	3,677.4	11.3	8.1	157.54	-201.0	165.4	308.2	293.6	14.63	21.068		
3,800.0	3,754.5	3,790.0	3,776.4	11.7	8.3	157.52	-208.1	172.0	318.0	302.9	15.05	21.122		
3,900.0	3,852.9	3,889.5	3,875.5	12.0	8.6	157.50	-215.3	178.7	327.7	312.2	15.48	21.172		
4,000.0	3,951.3	3,989.0	3,974.5	12.4	8.8	157.48	-222.4	185.4	337.4	321.5	15.90	21.220		
4,100.0	4,049.7	4,088.5	4,073.5	12.7	9.0	157.46	-229.5	192.0	347.2	330.9	16.33	21.265		
4,200.0	4,148.1	4,188.1	4,172.6	13.1	9.3	157.44	-236.6	198.7	356.9	340.2	16.75	21.307		
4,300.0	4,246.5	4,287.6	4,271.6	13.5	9.5	157.42	-243.8	205.4	366.7	349.5	17.18	21.348		
4,400.0	4,344.8	4,387.1	4,370.7	13.8	9.8	157.40	-250.9	212.0	376.4	358.8	17.60	21.386		
4,500.0	4,443.2	4,486.6	4,469.7	14.2	10.0	157.39	-258.0	218.7	386.2	368.1	18.03	21.422		
4,600.0	4,541.6	4,586.1	4,568.8	14.5	10.3	157.37	-265.1	225.3	395.9	377.5	18.45	21.456		
4,700.0	4,640.0	4,685.7	4,667.8	14.9	10.5	157.36	-272.2	232.0	405.7	386.8	18.88	21.489		
4,800.0	4,738.4	4,785.2	4,766.9	15.3	10.7	157.34	-279.4	238.7	415.4	396.1	19.30	21.520		
4,900.0	4,836.8	4,884.7	4,865.9	15.6	11.0	157.33	-286.5	245.3	425.2	405.4	19.73	21.550		
5,000.0	4,935.1	4,984.2	4,965.0	16.0	11.2	157.32	-293.6	252.0	434.9	414.8	20.15	21.579		
5,100.0	5,033.5	5,083.8	5,064.0	16.3	11.5	157.30	-300.7	258.6	444.7	424.1	20.58	21.606		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4H-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,131.9	5,183.3	5,163.0	16.7	11.7	157.29	-307.9	265.3	454.4	433.4	21.01	21.632		
5,300.0	5,230.3	5,282.8	5,262.1	17.1	11.9	157.28	-315.0	272.0	464.1	442.7	21.43	21.657		
5,400.0	5,328.7	5,382.3	5,361.1	17.4	12.2	157.27	-322.1	278.6	473.9	452.0	21.86	21.681		
5,500.0	5,427.1	5,481.9	5,460.2	17.8	12.4	157.26	-329.2	285.3	483.6	461.4	22.28	21.704		
5,600.0	5,525.4	5,581.4	5,559.2	18.1	12.7	157.25	-336.3	291.9	493.4	470.7	22.71	21.726		
5,700.0	5,623.8	5,680.9	5,658.3	18.5	12.9	157.24	-343.5	298.6	503.1	480.0	23.14	21.747		
5,800.0	5,722.2	5,780.4	5,757.3	18.9	13.2	157.23	-350.6	305.3	512.9	489.3	23.56	21.767		
5,900.0	5,820.6	5,880.0	5,856.4	19.2	13.4	157.22	-357.7	311.9	522.6	498.6	23.99	21.787		
6,000.0	5,919.0	5,979.5	5,955.4	19.6	13.6	157.21	-364.8	318.6	532.4	508.0	24.41	21.806		
6,100.0	6,017.4	6,079.0	6,054.4	19.9	13.9	157.21	-372.0	325.2	542.1	517.3	24.84	21.824		
6,200.0	6,115.7	6,178.5	6,153.5	20.3	14.1	157.20	-379.1	331.9	551.9	526.6	25.27	21.842		
6,300.0	6,214.1	6,278.1	6,252.5	20.7	14.4	157.19	-386.2	338.6	561.6	535.9	25.69	21.859		
6,400.0	6,312.5	6,377.6	6,351.6	21.0	14.6	157.18	-393.3	345.2	571.4	545.2	26.12	21.875		
6,500.0	6,410.9	6,477.1	6,450.6	21.4	14.9	157.18	-400.4	351.9	581.1	554.6	26.55	21.891		
6,600.0	6,509.3	6,576.6	6,549.7	21.8	15.1	157.17	-407.6	358.5	590.8	563.9	26.97	21.906		
6,700.0	6,607.7	6,675.0	6,647.7	22.1	15.3	164.04	-411.8	365.1	600.6	573.4	27.26	22.032		
6,800.0	6,706.2	6,772.1	6,744.1	22.4	15.4	-149.57	-403.6	371.6	610.6	583.5	27.12	22.516		
6,900.0	6,803.5	6,868.3	6,837.8	22.6	15.4	-122.64	-382.6	377.9	620.4	593.6	26.83	23.127		
7,000.0	6,897.7	6,963.9	6,927.2	22.7	15.3	-109.94	-349.5	383.9	630.0	603.6	26.46	23.806		
7,100.0	6,987.0	7,058.9	7,010.9	22.8	15.2	-102.92	-305.1	389.6	639.1	613.0	26.10	24.483		
7,200.0	7,069.6	7,153.4	7,087.6	22.9	15.0	-98.49	-250.2	394.7	647.5	621.7	25.82	25.079		
7,300.0	7,143.9	7,247.6	7,156.3	22.9	14.9	-95.46	-186.0	399.3	655.0	629.4	25.68	25.512		
7,400.0	7,208.4	7,341.6	7,215.8	23.0	14.9	-93.32	-113.5	403.3	661.6	635.8	25.73	25.709		
7,500.0	7,262.0	7,435.4	7,265.3	23.1	15.0	-91.81	-34.0	406.7	667.0	640.9	26.04	25.617		
7,600.0	7,303.5	7,529.1	7,303.9	23.3	15.2	-90.79	51.2	409.3	671.1	644.5	26.59	25.239		
7,700.0	7,332.2	7,622.8	7,331.2	23.6	15.6	-90.19	140.8	411.1	673.9	646.5	27.42	24.578		
7,800.0	7,347.4	7,716.6	7,346.5	24.0	16.1	-89.96	233.3	412.1	675.4	646.9	28.51	23.689		
7,900.0	7,350.0	7,812.0	7,350.0	24.5	16.8	-90.00	328.6	412.4	675.6	645.6	29.95	22.559		
8,000.0	7,350.0	7,912.0	7,350.0	25.0	17.6	-90.00	428.6	412.4	675.6	643.7	31.84	21.217		
8,100.0	7,350.0	8,012.0	7,350.0	25.7	18.6	-90.00	528.6	412.4	675.6	641.6	33.99	19.875		
8,200.0	7,350.0	8,112.0	7,350.0	26.5	19.7	-90.00	628.6	412.4	675.6	639.2	36.35	18.583		
8,300.0	7,350.0	8,212.0	7,350.0	27.4	20.9	-90.00	728.6	412.4	675.6	636.7	38.89	17.371		
8,400.0	7,350.0	8,312.0	7,350.0	28.3	22.1	-90.00	828.6	412.4	675.6	634.0	41.57	16.252		
8,500.0	7,350.0	8,412.0	7,350.0	29.4	23.4	-90.00	928.6	412.4	675.6	631.2	44.36	15.228		
8,600.0	7,350.0	8,512.0	7,350.0	30.5	24.8	-90.00	1,028.6	412.4	675.6	628.3	47.25	14.297		
8,700.0	7,350.0	8,612.0	7,350.0	31.6	26.2	-90.00	1,128.6	412.4	675.6	625.3	50.22	13.452		
8,800.0	7,350.0	8,712.0	7,350.0	32.9	27.7	-90.00	1,228.6	412.4	675.6	622.3	53.25	12.686		
8,900.0	7,350.0	8,812.0	7,350.0	34.1	29.2	-90.00	1,328.6	412.4	675.6	619.2	56.34	11.990		
9,000.0	7,350.0	8,912.0	7,350.0	35.4	30.7	-90.00	1,428.6	412.4	675.6	616.1	59.48	11.358		
9,100.0	7,350.0	9,012.0	7,350.0	36.8	32.2	-90.00	1,528.6	412.4	675.6	612.9	62.65	10.783		
9,200.0	7,350.0	9,112.0	7,350.0	38.1	33.8	-90.00	1,628.6	412.4	675.6	609.7	65.86	10.257		
9,300.0	7,350.0	9,212.0	7,350.0	39.5	35.4	-90.00	1,728.6	412.4	675.6	606.5	69.10	9.777		
9,400.0	7,350.0	9,312.0	7,350.0	41.0	37.0	-90.00	1,828.6	412.4	675.6	603.2	72.36	9.336		
9,500.0	7,350.0	9,412.0	7,350.0	42.4	38.6	-90.00	1,928.6	412.4	675.6	599.9	75.65	8.930		
9,600.0	7,350.0	9,512.0	7,350.0	43.9	40.2	-90.00	2,028.6	412.4	675.6	596.6	78.95	8.557		
9,700.0	7,350.0	9,612.0	7,350.0	45.4	41.8	-90.00	2,128.6	412.4	675.6	593.3	82.27	8.211		
9,800.0	7,350.0	9,712.0	7,350.0	46.9	43.5	-90.00	2,228.6	412.4	675.6	589.9	85.61	7.891		
9,900.0	7,350.0	9,812.0	7,350.0	48.4	45.1	-90.00	2,328.6	412.4	675.6	586.6	88.96	7.594		
10,000.0	7,350.0	9,912.0	7,350.0	50.0	46.8	-90.00	2,428.6	412.4	675.6	583.2	92.32	7.318		
10,100.0	7,350.0	10,012.0	7,350.0	51.6	48.4	-90.00	2,528.6	412.4	675.6	579.9	95.69	7.060		
10,200.0	7,350.0	10,112.0	7,350.0	53.1	50.1	-90.00	2,628.6	412.4	675.6	576.5	99.07	6.819		
10,300.0	7,350.0	10,212.0	7,350.0	54.7	51.8	-90.00	2,728.6	412.4	675.6	573.1	102.46	6.593		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4H-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,350.0	10,312.0	7,350.0	56.3	53.5	-90.00	2,828.6	412.4	675.6	569.7	105.86	6.382		
10,500.0	7,350.0	10,412.0	7,350.0	57.9	55.1	-90.00	2,928.6	412.4	675.6	566.3	109.26	6.183		
10,600.0	7,350.0	10,512.0	7,350.0	59.5	56.8	-90.00	3,028.6	412.4	675.6	562.9	112.67	5.996		
10,700.0	7,350.0	10,612.0	7,350.0	61.1	58.5	-90.00	3,128.6	412.4	675.6	559.5	116.09	5.819		
10,800.0	7,350.0	10,712.0	7,350.0	62.8	60.2	-90.00	3,228.6	412.4	675.6	556.0	119.51	5.653		
10,900.0	7,350.0	10,812.0	7,350.0	64.4	61.9	-90.00	3,328.6	412.4	675.6	552.6	122.94	5.495		
11,000.0	7,350.0	10,912.0	7,350.0	66.0	63.6	-90.00	3,428.6	412.4	675.6	549.2	126.37	5.346		
11,100.0	7,350.0	11,012.0	7,350.0	67.7	65.3	-90.00	3,528.6	412.4	675.6	545.7	129.81	5.204		
11,200.0	7,350.0	11,112.0	7,350.0	69.3	67.0	-90.00	3,628.6	412.4	675.6	542.3	133.24	5.070		
11,300.0	7,350.0	11,212.0	7,350.0	71.0	68.8	-90.00	3,728.6	412.4	675.5	538.9	136.69	4.942		
11,400.0	7,350.0	11,312.0	7,350.0	72.6	70.5	-90.00	3,828.6	412.4	675.5	535.4	140.13	4.821		
11,500.0	7,350.0	11,412.0	7,350.0	74.3	72.2	-90.00	3,928.6	412.4	675.5	532.0	143.58	4.705		
11,600.0	7,350.0	11,512.0	7,350.0	76.0	73.9	-90.00	4,028.6	412.4	675.5	528.5	147.03	4.595		
11,700.0	7,350.0	11,612.0	7,350.0	77.7	75.6	-90.00	4,128.6	412.4	675.5	525.1	150.49	4.489		
11,800.0	7,350.0	11,712.0	7,350.0	79.3	77.3	-90.00	4,228.6	412.4	675.5	521.6	153.94	4.388		
11,900.0	7,350.0	11,812.0	7,350.0	81.0	79.1	-90.00	4,328.6	412.4	675.5	518.1	157.40	4.292		
11,965.4	7,350.0	11,877.4	7,350.0	82.1	80.2	-90.00	4,394.0	412.4	675.5	515.9	159.67	4.231 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4I-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-89.94	0.0	-15.1	15.1					
100.0	100.0	100.0	100.0	0.2	0.2	-89.94	0.0	-15.1	15.1	14.8	0.30	49.687		
200.0	200.0	200.0	200.0	0.3	0.3	-89.94	0.0	-15.1	15.1	14.4	0.65	23.117		
300.0	300.0	300.0	300.0	0.5	0.5	-89.94	0.0	-15.1	15.1	14.1	1.00	15.062	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	157.52	0.0	-15.1	15.9	14.5	1.35	11.764		
500.0	500.0	500.0	500.0	0.9	0.8	160.64	0.0	-15.1	18.3	16.6	1.70	10.788		
600.0	599.9	600.2	600.2	1.0	1.0	163.25	-0.5	-14.4	21.7	19.7	2.05	10.603		
700.0	699.7	700.5	700.5	1.2	1.2	164.37	-2.0	-12.2	25.3	22.9	2.40	10.536		
800.0	799.4	800.9	800.7	1.4	1.4	164.53	-4.6	-8.7	29.0	26.2	2.75	10.526		
900.0	898.9	901.3	900.9	1.7	1.6	164.04	-8.2	-3.7	32.8	29.7	3.11	10.547		
1,000.0	998.3	1,001.7	1,001.1	1.9	1.8	163.12	-12.8	2.7	36.7	33.3	3.47	10.584		
1,100.0	1,097.4	1,102.2	1,101.1	2.2	2.0	161.90	-18.5	10.5	40.8	37.0	3.84	10.624		
1,200.0	1,196.3	1,202.8	1,201.0	2.5	2.2	160.47	-25.2	19.8	45.1	40.9	4.23	10.658		
1,300.0	1,294.9	1,302.9	1,300.3	2.8	2.5	159.18	-32.6	30.1	49.9	45.3	4.63	10.774		
1,400.0	1,393.3	1,402.7	1,399.3	3.1	2.8	158.60	-40.1	40.4	55.9	50.9	5.04	11.096		
1,500.0	1,491.7	1,502.5	1,498.3	3.5	3.0	158.16	-47.5	50.7	62.0	56.5	5.45	11.371		
1,600.0	1,590.1	1,602.3	1,597.3	3.8	3.3	157.80	-55.0	61.0	68.1	62.2	5.87	11.600		
1,700.0	1,688.5	1,702.1	1,696.3	4.2	3.5	157.50	-62.4	71.3	74.2	67.9	6.29	11.793		
1,800.0	1,786.9	1,801.9	1,795.3	4.5	3.8	157.24	-69.9	81.7	80.3	73.6	6.71	11.956		
1,900.0	1,885.2	1,901.7	1,894.3	4.9	4.1	157.02	-77.4	92.0	86.4	79.2	7.14	12.096		
2,000.0	1,983.6	2,001.6	1,993.3	5.2	4.4	156.83	-84.8	102.3	92.5	84.9	7.57	12.217		
2,100.0	2,082.0	2,101.4	2,092.3	5.6	4.6	156.67	-92.3	112.6	98.6	90.6	8.00	12.323		
2,200.0	2,180.4	2,201.2	2,191.3	5.9	4.9	156.52	-99.7	122.9	104.7	96.2	8.43	12.416		
2,300.0	2,278.8	2,301.0	2,290.3	6.3	5.2	156.39	-107.2	133.2	110.8	101.9	8.86	12.498		
2,400.0	2,377.2	2,400.8	2,389.3	6.6	5.5	156.27	-114.6	143.6	116.9	107.6	9.30	12.571		
2,500.0	2,475.5	2,500.6	2,488.3	7.0	5.7	156.17	-122.1	153.9	123.0	113.2	9.73	12.637		
2,600.0	2,573.9	2,600.4	2,587.3	7.3	6.0	156.07	-129.5	164.2	129.1	118.9	10.17	12.696		
2,700.0	2,672.3	2,700.2	2,686.3	7.7	6.3	155.98	-137.0	174.5	135.2	124.6	10.60	12.749		
2,800.0	2,770.7	2,800.1	2,785.3	8.1	6.6	155.90	-144.5	184.8	141.3	130.2	11.04	12.797		
2,900.0	2,869.1	2,899.9	2,884.3	8.4	6.9	155.83	-151.9	195.1	147.4	135.9	11.48	12.841		
3,000.0	2,967.5	2,999.7	2,983.3	8.8	7.1	155.76	-159.4	205.5	153.5	141.5	11.91	12.881		
3,100.0	3,065.9	3,099.5	3,082.3	9.1	7.4	155.70	-166.8	215.8	159.6	147.2	12.35	12.918		
3,200.0	3,164.2	3,199.3	3,181.3	9.5	7.7	155.64	-174.3	226.1	165.7	152.9	12.79	12.952		
3,300.0	3,262.6	3,299.1	3,280.3	9.9	8.0	155.59	-181.7	236.4	171.8	158.5	13.23	12.983		
3,400.0	3,361.0	3,398.9	3,379.3	10.2	8.3	155.54	-189.2	246.7	177.9	164.2	13.67	13.012		
3,500.0	3,459.4	3,498.8	3,478.3	10.6	8.5	155.49	-196.6	257.0	184.0	169.9	14.11	13.039		
3,600.0	3,557.8	3,598.6	3,577.3	10.9	8.8	155.45	-204.1	267.3	190.1	175.5	14.55	13.064		
3,700.0	3,656.2	3,698.4	3,676.3	11.3	9.1	155.41	-211.5	277.7	196.2	181.2	14.99	13.088		
3,800.0	3,754.5	3,798.2	3,775.3	11.7	9.4	155.37	-219.0	288.0	202.3	186.8	15.43	13.110		
3,900.0	3,852.9	3,898.0	3,874.3	12.0	9.7	155.34	-226.5	298.3	208.4	192.5	15.87	13.130		
4,000.0	3,951.3	3,997.8	3,973.3	12.4	9.9	155.30	-233.9	308.6	214.5	198.2	16.31	13.149		
4,100.0	4,049.7	4,097.6	4,072.3	12.7	10.2	155.27	-241.4	318.9	220.6	203.8	16.75	13.167		
4,200.0	4,148.1	4,197.4	4,171.3	13.1	10.5	155.24	-248.8	329.2	226.7	209.5	17.19	13.184		
4,300.0	4,246.5	4,297.3	4,270.3	13.5	10.8	155.21	-256.3	339.6	232.8	215.1	17.63	13.201		
4,400.0	4,344.8	4,397.1	4,369.2	13.8	11.1	155.18	-263.7	349.9	238.9	220.8	18.08	13.216		
4,500.0	4,443.2	4,496.9	4,468.2	14.2	11.4	155.16	-271.2	360.2	245.0	226.5	18.52	13.230		
4,600.0	4,541.6	4,596.7	4,567.2	14.5	11.6	155.13	-278.6	370.5	251.1	232.1	18.96	13.244		
4,700.0	4,640.0	4,696.5	4,666.2	14.9	11.9	155.11	-286.1	380.8	257.2	237.8	19.40	13.257		
4,800.0	4,738.4	4,796.3	4,765.2	15.3	12.2	155.09	-293.6	391.1	263.3	243.5	19.84	13.269		
4,900.0	4,836.8	4,896.1	4,864.2	15.6	12.5	155.07	-301.0	401.5	269.4	249.1	20.29	13.280		
5,000.0	4,935.1	4,996.0	4,963.2	16.0	12.8	155.04	-308.5	411.8	275.5	254.8	20.73	13.292		
5,100.0	5,033.5	5,095.8	5,062.2	16.3	13.0	155.03	-315.9	422.1	281.6	260.4	21.17	13.302		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4I-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance			Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)				Between Ellipses (ft)	
5,200.0	5,131.9	5,195.6	5,161.2	16.7	13.3	155.01	-323.4	432.4	287.7	266.1	21.61	13.312		
5,300.0	5,230.3	5,295.4	5,260.2	17.1	13.6	154.99	-330.8	442.7	293.8	271.8	22.05	13.322		
5,400.0	5,328.7	5,395.2	5,359.2	17.4	13.9	154.97	-338.3	453.0	299.9	277.4	22.50	13.331		
5,500.0	5,427.1	5,495.0	5,458.2	17.8	14.2	154.95	-345.7	463.3	306.0	283.1	22.94	13.340		
5,600.0	5,525.4	5,594.8	5,557.2	18.1	14.5	154.94	-353.2	473.7	312.1	288.7	23.38	13.348		
5,700.0	5,623.8	5,694.7	5,656.2	18.5	14.7	154.92	-360.7	484.0	318.2	294.4	23.83	13.356		
5,800.0	5,722.2	5,794.5	5,755.2	18.9	15.0	154.91	-368.1	494.3	324.3	300.1	24.27	13.364		
5,900.0	5,820.6	5,894.3	5,854.2	19.2	15.3	154.89	-375.6	504.6	330.4	305.7	24.71	13.372		
6,000.0	5,919.0	5,994.1	5,953.2	19.6	15.6	154.88	-383.0	514.9	336.5	311.4	25.15	13.379		
6,100.0	6,017.4	6,093.9	6,052.2	19.9	15.9	154.87	-390.5	525.2	342.6	317.0	25.60	13.386		
6,200.0	6,115.7	6,193.7	6,151.2	20.3	16.2	154.85	-397.9	535.6	348.7	322.7	26.04	13.392		
6,300.0	6,214.1	6,293.5	6,250.2	20.7	16.4	154.84	-405.4	545.9	354.8	328.4	26.48	13.399		
6,400.0	6,312.5	6,393.3	6,349.2	21.0	16.7	154.83	-412.8	556.2	360.9	334.0	26.93	13.405		
6,500.0	6,410.9	6,493.9	6,449.1	21.4	16.9	155.61	-415.3	566.6	366.9	339.9	27.09	13.545		
6,600.0	6,509.3	6,591.4	6,545.4	21.8	17.1	158.38	-404.4	576.6	373.3	346.7	26.62	14.020		
6,700.0	6,607.7	6,682.6	6,633.4	22.1	17.1	169.23	-382.4	585.8	381.8	356.0	25.76	14.823		
6,800.0	6,706.2	6,768.9	6,713.4	22.4	17.1	-140.61	-351.3	594.1	393.3	368.4	24.86	15.823		
6,900.0	6,803.5	6,850.0	6,784.8	22.6	17.0	-110.39	-313.6	601.6	406.8	382.4	24.37	16.693		
7,000.0	6,897.7	6,933.3	6,853.1	22.7	16.9	-94.64	-266.6	608.7	421.4	397.1	24.27	17.362		
7,100.0	6,987.0	7,012.3	6,912.6	22.8	16.9	-85.08	-214.9	614.9	436.3	411.9	24.47	17.834		
7,200.0	7,069.6	7,089.8	6,965.0	22.9	16.9	-78.52	-158.2	620.4	450.8	426.0	24.79	18.185		
7,300.0	7,143.9	7,165.9	7,010.2	22.9	16.9	-73.73	-97.3	625.1	464.2	439.1	25.12	18.477		
7,400.0	7,208.4	7,240.9	7,048.3	23.0	17.0	-70.18	-32.8	629.0	476.1	450.7	25.40	18.746		
7,500.0	7,262.0	7,315.2	7,079.2	23.1	17.1	-67.56	34.6	632.3	485.9	460.4	25.57	19.008		
7,600.0	7,303.5	7,388.8	7,102.8	23.3	17.4	-65.72	104.3	634.7	493.5	467.8	25.72	19.191		
7,700.0	7,332.2	7,462.0	7,119.2	23.6	17.7	-64.55	175.6	636.4	498.6	472.7	25.88	19.267		
7,800.0	7,347.4	7,535.1	7,128.1	24.0	18.1	-64.00	248.1	637.4	501.1	475.0	26.12	19.184		
7,900.0	7,350.0	7,615.7	7,130.0	24.5	18.6	-63.96	328.6	637.6	501.2	474.3	26.92	18.617		
8,000.0	7,350.0	7,715.7	7,130.0	25.0	19.3	-63.96	428.6	637.6	501.2	472.5	28.68	17.475		
8,100.0	7,350.0	7,815.7	7,130.0	25.7	20.2	-63.96	528.6	637.6	501.2	470.6	30.67	16.345		
8,200.0	7,350.0	7,915.7	7,130.0	26.5	21.2	-63.96	628.6	637.6	501.2	468.4	32.83	15.266		
8,300.0	7,350.0	8,015.7	7,130.0	27.4	22.3	-63.96	728.6	637.6	501.2	466.1	35.15	14.259		
8,400.0	7,350.0	8,115.7	7,130.0	28.3	23.5	-63.96	828.6	637.6	501.2	463.6	37.59	13.333		
8,500.0	7,350.0	8,215.7	7,130.0	29.4	24.7	-63.96	928.6	637.6	501.2	461.1	40.13	12.489		
8,600.0	7,350.0	8,315.7	7,130.0	30.5	26.0	-63.96	1,028.6	637.6	501.2	458.5	42.76	11.723		
8,700.0	7,350.0	8,415.7	7,130.0	31.6	27.4	-63.96	1,128.6	637.6	501.2	455.8	45.45	11.029		
8,800.0	7,350.0	8,515.7	7,130.0	32.9	28.8	-63.96	1,228.6	637.6	501.2	453.0	48.19	10.400		
8,900.0	7,350.0	8,615.7	7,130.0	34.1	30.2	-63.96	1,328.6	637.6	501.2	450.2	50.99	9.830		
9,000.0	7,350.0	8,715.7	7,130.0	35.4	31.7	-63.96	1,428.6	637.6	501.2	447.4	53.82	9.312		
9,100.0	7,350.0	8,815.7	7,130.0	36.8	33.2	-63.96	1,528.6	637.6	501.2	444.5	56.69	8.841		
9,200.0	7,350.0	8,915.7	7,130.0	38.1	34.7	-63.96	1,628.6	637.6	501.2	441.6	59.59	8.411		
9,300.0	7,350.0	9,015.7	7,130.0	39.5	36.2	-63.96	1,728.6	637.6	501.2	438.7	62.51	8.018		
9,400.0	7,350.0	9,115.7	7,130.0	41.0	37.8	-63.96	1,828.6	637.6	501.2	435.8	65.46	7.657		
9,500.0	7,350.0	9,215.7	7,130.0	42.4	39.4	-63.96	1,928.6	637.6	501.2	432.8	68.42	7.326		
9,600.0	7,350.0	9,315.7	7,130.0	43.9	40.9	-63.96	2,028.6	637.6	501.2	429.8	71.40	7.020		
9,700.0	7,350.0	9,415.7	7,130.0	45.4	42.5	-63.96	2,128.6	637.6	501.2	426.8	74.40	6.737		
9,800.0	7,350.0	9,515.7	7,130.0	46.9	44.2	-63.96	2,228.6	637.6	501.2	423.8	77.40	6.475		
9,900.0	7,350.0	9,615.7	7,130.0	48.4	45.8	-63.96	2,328.6	637.6	501.2	420.8	80.42	6.232		
10,000.0	7,350.0	9,715.7	7,130.0	50.0	47.4	-63.96	2,428.6	637.6	501.2	417.8	83.45	6.006		
10,100.0	7,350.0	9,815.7	7,130.0	51.6	49.1	-63.96	2,528.6	637.6	501.2	414.7	86.49	5.795		
10,200.0	7,350.0	9,915.7	7,130.0	53.1	50.7	-63.96	2,628.6	637.6	501.2	411.7	89.54	5.598		
10,300.0	7,350.0	10,015.7	7,130.0	54.7	52.4	-63.96	2,728.6	637.6	501.2	408.6	92.59	5.413		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4I-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,350.0	10,115.7	7,130.0	56.3	54.0	-63.96	2,828.6	637.6	501.2	405.6	95.65	5.240		
10,500.0	7,350.0	10,215.7	7,130.0	57.9	55.7	-63.96	2,928.6	637.6	501.2	402.5	98.72	5.077		
10,600.0	7,350.0	10,315.7	7,130.0	59.5	57.4	-63.96	3,028.6	637.6	501.2	399.4	101.79	4.924		
10,700.0	7,350.0	10,415.7	7,130.0	61.1	59.0	-63.96	3,128.6	637.6	501.2	396.4	104.87	4.780		
10,800.0	7,350.0	10,515.7	7,130.0	62.8	60.7	-63.96	3,228.6	637.6	501.2	393.3	107.95	4.643		
10,900.0	7,350.0	10,615.7	7,130.0	64.4	62.4	-63.96	3,328.6	637.6	501.2	390.2	111.04	4.514		
11,000.0	7,350.0	10,715.7	7,130.0	66.0	64.1	-63.96	3,428.6	637.6	501.2	387.1	114.13	4.392		
11,100.0	7,350.0	10,815.7	7,130.0	67.7	65.8	-63.96	3,528.6	637.6	501.2	384.0	117.22	4.276		
11,200.0	7,350.0	10,915.7	7,130.0	69.3	67.5	-63.96	3,628.6	637.6	501.2	380.9	120.32	4.166		
11,300.0	7,350.0	11,015.7	7,130.0	71.0	69.2	-63.96	3,728.6	637.6	501.2	377.8	123.42	4.061		
11,400.0	7,350.0	11,115.7	7,130.0	72.6	70.9	-63.96	3,828.6	637.6	501.2	374.7	126.52	3.962		
11,500.0	7,350.0	11,215.7	7,130.0	74.3	72.6	-63.96	3,928.6	637.6	501.2	371.6	129.63	3.867		
11,600.0	7,350.0	11,315.7	7,130.0	76.0	74.3	-63.96	4,028.6	637.6	501.2	368.5	132.73	3.776		
11,700.0	7,350.0	11,415.7	7,130.0	77.7	76.0	-63.96	4,128.6	637.6	501.2	365.4	135.84	3.690		
11,800.0	7,350.0	11,515.7	7,130.0	79.3	77.7	-63.96	4,228.6	637.6	501.2	362.3	138.95	3.607		
11,900.0	7,350.0	11,615.7	7,130.0	81.0	79.4	-63.96	4,328.6	637.6	501.2	359.2	142.07	3.528		
11,965.4	7,350.0	11,681.1	7,130.0	82.1	80.5	-63.96	4,394.0	637.6	501.2	357.1	144.11	3.478 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4J-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.94	0.0	-7.5	7.5					
100.0	100.0	100.0	100.0	0.2	0.2	-89.94	0.0	-7.5	7.5	7.2	0.30	24.844		
200.0	200.0	200.0	200.0	0.3	0.3	-89.94	0.0	-7.5	7.5	6.9	0.65	11.558		
300.0	300.0	300.0	300.0	0.5	0.5	-89.94	0.0	-7.5	7.5	6.5	1.00	7.531	CC, ES	
400.0	400.0	400.0	400.0	0.7	0.7	158.67	0.0	-7.5	8.4	7.0	1.35	6.182		
500.0	500.0	500.1	500.1	0.9	0.9	161.88	-0.4	-6.8	10.0	8.3	1.70	5.895		
600.0	599.9	600.3	600.2	1.0	1.0	163.44	-1.7	-4.5	11.8	9.7	2.05	5.739		
700.0	699.7	700.5	700.3	1.2	1.2	163.97	-3.8	-0.7	13.6	11.2	2.40	5.647		
800.0	799.4	800.7	800.4	1.4	1.4	163.80	-6.8	4.7	15.4	12.7	2.76	5.591		
900.0	898.9	900.9	900.3	1.7	1.6	163.18	-10.6	11.6	17.3	14.2	3.11	5.556		
1,000.0	998.3	1,001.2	1,000.1	1.9	1.8	162.23	-15.3	20.0	19.2	15.8	3.48	5.532		
1,100.0	1,097.4	1,101.5	1,099.8	2.2	2.1	161.06	-20.8	30.0	21.2	17.4	3.85	5.512		
1,200.0	1,196.3	1,201.9	1,199.2	2.5	2.4	159.73	-27.1	41.5	23.3	19.1	4.24	5.492		
1,300.0	1,294.9	1,302.1	1,298.4	2.8	2.6	158.33	-34.3	54.4	25.5	20.8	4.65	5.478		
1,400.0	1,393.3	1,402.1	1,397.2	3.1	2.9	157.71	-41.7	67.8	28.4	23.4	5.06	5.617		
1,500.0	1,491.7	1,502.0	1,496.0	3.5	3.2	157.28	-49.1	81.2	31.5	26.0	5.48	5.743		
1,600.0	1,590.1	1,602.0	1,594.7	3.8	3.5	156.92	-56.5	94.5	34.5	28.6	5.90	5.847		
1,700.0	1,688.5	1,701.9	1,693.5	4.2	3.8	156.62	-63.9	107.9	37.5	31.2	6.33	5.934		
1,800.0	1,786.9	1,801.9	1,792.3	4.5	4.1	156.37	-71.3	121.3	40.6	33.8	6.76	6.007		
1,900.0	1,885.2	1,901.8	1,891.1	4.9	4.4	156.15	-78.7	134.6	43.6	36.4	7.19	6.070		
2,000.0	1,983.6	2,001.8	1,989.9	5.2	4.8	155.96	-86.1	148.0	46.7	39.1	7.62	6.124		
2,100.0	2,082.0	2,101.8	2,088.6	5.6	5.1	155.79	-93.5	161.4	49.7	41.7	8.06	6.171		
2,200.0	2,180.4	2,201.7	2,187.4	5.9	5.4	155.65	-100.9	174.7	52.8	44.3	8.50	6.212		
2,300.0	2,278.8	2,301.7	2,286.2	6.3	5.7	155.51	-108.3	188.1	55.8	46.9	8.93	6.248		
2,400.0	2,377.2	2,401.6	2,385.0	6.6	6.0	155.40	-115.6	201.4	58.9	49.5	9.37	6.280		
2,500.0	2,475.5	2,501.6	2,483.8	7.0	6.3	155.29	-123.0	214.8	61.9	52.1	9.81	6.308		
2,600.0	2,573.9	2,601.5	2,582.5	7.3	6.6	155.19	-130.4	228.2	65.0	54.7	10.26	6.334		
2,700.0	2,672.3	2,701.5	2,681.3	7.7	7.0	155.10	-137.8	241.5	68.0	57.3	10.70	6.357		
2,800.0	2,770.7	2,801.4	2,780.1	8.1	7.3	155.02	-145.2	254.9	71.1	59.9	11.14	6.378		
2,900.0	2,869.1	2,901.4	2,878.9	8.4	7.6	154.95	-152.6	268.3	74.1	62.5	11.58	6.396		
3,000.0	2,967.5	3,001.3	2,977.7	8.8	7.9	154.88	-160.0	281.6	77.2	65.1	12.03	6.414		
3,100.0	3,065.9	3,101.3	3,076.4	9.1	8.2	154.82	-167.4	295.0	80.2	67.7	12.47	6.429		
3,200.0	3,164.2	3,201.2	3,175.2	9.5	8.5	154.76	-174.8	308.4	83.2	70.3	12.92	6.444		
3,300.0	3,262.6	3,301.2	3,274.0	9.9	8.9	154.71	-182.2	321.7	86.3	72.9	13.36	6.457		
3,400.0	3,361.0	3,401.1	3,372.8	10.2	9.2	154.66	-189.6	335.1	89.3	75.5	13.81	6.469		
3,500.0	3,459.4	3,501.1	3,471.6	10.6	9.5	154.61	-197.0	348.5	92.4	78.1	14.26	6.481		
3,600.0	3,557.8	3,601.1	3,570.3	10.9	9.8	154.57	-204.4	361.8	95.4	80.7	14.70	6.491		
3,700.0	3,656.2	3,701.0	3,669.1	11.3	10.1	154.53	-211.8	375.2	98.5	83.3	15.15	6.501		
3,800.0	3,754.5	3,801.0	3,767.9	11.7	10.5	154.49	-219.2	388.6	101.5	85.9	15.60	6.510		
3,900.0	3,852.9	3,900.9	3,866.7	12.0	10.8	154.45	-226.6	401.9	104.6	88.5	16.04	6.519		
4,000.0	3,951.3	4,000.9	3,965.5	12.4	11.1	154.42	-234.0	415.3	107.6	91.1	16.49	6.527		
4,100.0	4,049.7	4,100.8	4,064.2	12.7	11.4	154.38	-241.4	428.7	110.7	93.7	16.94	6.535		
4,200.0	4,148.1	4,200.8	4,163.0	13.1	11.7	154.35	-248.8	442.0	113.7	96.3	17.39	6.542		
4,300.0	4,246.5	4,300.7	4,261.8	13.5	12.0	154.32	-256.2	455.4	116.8	98.9	17.83	6.548		
4,400.0	4,344.8	4,400.7	4,360.6	13.8	12.4	154.30	-263.6	468.8	119.8	101.5	18.28	6.555		
4,500.0	4,443.2	4,500.6	4,459.3	14.2	12.7	154.27	-271.0	482.1	122.9	104.1	18.73	6.561		
4,600.0	4,541.6	4,600.6	4,558.1	14.5	13.0	154.24	-278.4	495.5	125.9	106.7	19.18	6.566		
4,700.0	4,640.0	4,700.5	4,656.9	14.9	13.3	154.22	-285.8	508.9	129.0	109.3	19.63	6.571		
4,800.0	4,738.4	4,800.5	4,755.7	15.3	13.6	154.20	-293.2	522.2	132.0	111.9	20.07	6.577		
4,900.0	4,836.8	4,900.5	4,854.5	15.6	14.0	154.18	-300.6	535.6	135.1	114.5	20.52	6.581		
5,000.0	4,935.1	5,000.4	4,953.2	16.0	14.3	154.15	-308.0	549.0	138.1	117.1	20.97	6.586		
5,100.0	5,033.5	5,100.4	5,052.0	16.3	14.6	154.13	-315.4	562.3	141.2	119.7	21.42	6.590		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4J-35H-O367 - Hz - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis		Separation Factor
5,200.0	5,131.9	5,200.3	5,150.8	16.7	14.9	154.12	-322.7	575.7	144.2	122.3	21.87	6.594	
5,300.0	5,230.3	5,300.3	5,249.6	17.1	15.2	154.10	-330.1	589.0	147.3	124.9	22.32	6.598	
5,400.0	5,328.7	5,400.2	5,348.4	17.4	15.6	154.08	-337.5	602.4	150.3	127.5	22.77	6.602	
5,500.0	5,427.1	5,500.2	5,447.1	17.8	15.9	154.06	-344.9	615.8	153.4	130.1	23.22	6.606	
5,600.0	5,525.4	5,600.1	5,545.9	18.1	16.2	154.05	-352.3	629.1	156.4	132.7	23.67	6.609	
5,700.0	5,623.8	5,700.1	5,644.7	18.5	16.5	154.03	-359.7	642.5	159.5	135.3	24.11	6.612	
5,800.0	5,722.2	5,800.0	5,743.5	18.9	16.8	154.02	-367.1	655.9	162.5	137.9	24.56	6.616	
5,900.0	5,820.6	5,900.0	5,842.3	19.2	17.2	154.00	-374.5	669.2	165.6	140.5	25.01	6.619	
6,000.0	5,919.0	5,999.9	5,941.0	19.6	17.5	153.99	-381.9	682.6	168.6	143.1	25.46	6.622	
6,100.0	6,017.4	6,099.9	6,039.8	19.9	17.8	153.97	-389.3	696.0	171.6	145.7	25.91	6.624	
6,200.0	6,115.7	6,199.8	6,138.6	20.3	18.1	153.96	-396.7	709.3	174.7	148.3	26.36	6.627	
6,300.0	6,214.1	6,299.8	6,237.4	20.7	18.4	153.95	-404.1	722.7	177.7	150.9	26.81	6.630	
6,400.0	6,312.5	6,399.8	6,336.2	21.0	18.8	153.94	-411.5	736.1	180.8	153.5	27.26	6.632	
6,500.0	6,410.9	6,499.7	6,434.9	21.4	19.1	153.93	-418.9	749.4	183.8	156.1	27.71	6.634	
6,600.0	6,509.3	6,600.2	6,534.4	21.8	19.3	153.95	-419.7	762.9	186.7	159.3	27.46	6.799	
6,700.0	6,607.7	6,697.0	6,629.5	22.1	19.5	168.34	-407.2	775.8	190.7	164.6	26.08	7.311	
6,800.0	6,706.2	6,790.1	6,718.5	22.4	19.6	-139.67	-383.0	787.8	197.5	172.7	24.73	7.985	
6,900.0	6,803.5	6,880.5	6,801.3	22.6	19.6	-107.81	-348.6	799.0	206.5	182.3	24.17	8.543	
7,000.0	6,897.7	6,968.7	6,877.3	22.7	19.6	-90.94	-305.2	809.3	217.0	192.7	24.29	8.932	
7,100.0	6,987.0	7,055.0	6,946.0	22.8	19.6	-80.47	-253.9	818.6	228.1	203.3	24.76	9.212	
7,200.0	7,069.6	7,139.7	7,007.0	22.9	19.6	-73.25	-195.8	826.8	239.1	213.8	25.27	9.463	
7,300.0	7,143.9	7,223.0	7,060.0	22.9	19.6	-68.01	-132.0	834.0	249.5	223.9	25.62	9.737	
7,400.0	7,208.4	7,305.2	7,104.7	23.0	19.7	-64.15	-63.3	840.1	258.7	233.0	25.75	10.048	
7,500.0	7,262.0	7,386.6	7,141.0	23.1	19.8	-61.33	9.3	845.0	266.5	240.9	25.60	10.410	
7,600.0	7,303.5	7,467.3	7,168.8	23.3	20.0	-59.35	84.9	848.7	272.5	247.1	25.47	10.700	
7,700.0	7,332.2	7,550.0	7,188.2	23.6	20.3	-58.09	165.2	851.4	276.6	251.3	25.29	10.939	
7,800.0	7,347.4	7,627.5	7,198.1	24.0	20.7	-57.50	242.1	852.7	278.6	253.4	25.17	11.067	
7,900.0	7,350.0	7,714.1	7,200.0	24.5	21.2	-57.45	328.6	853.0	278.8	253.0	25.78	10.814	
8,000.0	7,350.0	7,814.1	7,200.0	25.0	21.9	-57.45	428.6	853.0	278.8	251.3	27.44	10.159	
8,100.0	7,350.0	7,914.1	7,200.0	25.7	22.6	-57.45	528.6	853.0	278.8	249.5	29.31	9.512	
8,200.0	7,350.0	8,014.1	7,200.0	26.5	23.5	-57.45	628.6	853.0	278.8	247.4	31.35	8.893	
8,300.0	7,350.0	8,114.1	7,200.0	27.4	24.5	-57.45	728.6	853.0	278.8	245.2	33.52	8.316	
8,400.0	7,350.0	8,214.1	7,200.0	28.3	25.6	-57.45	828.6	853.0	278.8	242.9	35.81	7.784	
8,500.0	7,350.0	8,314.1	7,200.0	29.4	26.7	-57.45	928.6	853.0	278.8	240.6	38.19	7.298	
8,600.0	7,350.0	8,414.1	7,200.0	30.5	27.9	-57.45	1,028.6	853.0	278.8	238.1	40.65	6.857	
8,700.0	7,350.0	8,514.1	7,200.0	31.6	29.2	-57.45	1,128.6	853.0	278.8	235.6	43.18	6.456	
8,800.0	7,350.0	8,614.1	7,200.0	32.9	30.5	-57.45	1,228.6	853.0	278.8	233.0	45.75	6.093	
8,900.0	7,350.0	8,714.1	7,200.0	34.1	31.9	-57.45	1,328.6	853.0	278.8	230.4	48.37	5.763	
9,000.0	7,350.0	8,814.1	7,200.0	35.4	33.3	-57.45	1,428.6	853.0	278.8	227.7	51.03	5.463	
9,100.0	7,350.0	8,914.1	7,200.0	36.8	34.7	-57.45	1,528.6	853.0	278.8	225.0	53.72	5.189	
9,200.0	7,350.0	9,014.1	7,200.0	38.1	36.1	-57.45	1,628.6	853.0	278.8	222.3	56.44	4.939	
9,300.0	7,350.0	9,114.1	7,200.0	39.5	37.6	-57.45	1,728.6	853.0	278.8	219.6	59.18	4.710	
9,400.0	7,350.0	9,214.1	7,200.0	41.0	39.1	-57.45	1,828.6	853.0	278.8	216.8	61.94	4.500	
9,500.0	7,350.0	9,314.1	7,200.0	42.4	40.6	-57.45	1,928.6	853.0	278.8	214.0	64.72	4.307	
9,600.0	7,350.0	9,414.1	7,200.0	43.9	42.2	-57.45	2,028.6	853.0	278.8	211.2	67.52	4.129	
9,700.0	7,350.0	9,514.1	7,200.0	45.4	43.7	-57.45	2,128.6	853.0	278.8	208.4	70.33	3.964	
9,800.0	7,350.0	9,614.1	7,200.0	46.9	45.3	-57.45	2,228.6	853.0	278.8	205.6	73.15	3.811	
9,900.0	7,350.0	9,714.1	7,200.0	48.4	46.9	-57.45	2,328.6	853.0	278.8	202.8	75.98	3.669	
10,000.0	7,350.0	9,814.1	7,200.0	50.0	48.5	-57.45	2,428.6	853.0	278.8	199.9	78.82	3.537	
10,100.0	7,350.0	9,914.1	7,200.0	51.6	50.1	-57.45	2,528.6	853.0	278.8	197.1	81.67	3.413	
10,200.0	7,350.0	10,014.1	7,200.0	53.1	51.7	-57.45	2,628.6	853.0	278.8	194.2	84.53	3.298	
10,300.0	7,350.0	10,114.1	7,200.0	54.7	53.3	-57.45	2,728.6	853.0	278.8	191.4	87.40	3.190	

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4J-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,350.0	10,214.1	7,200.0	56.3	55.0	-57.45	2,828.6	853.0	278.8	188.5	90.27	3.088		
10,500.0	7,350.0	10,314.1	7,200.0	57.9	56.6	-57.45	2,928.6	853.0	278.8	185.6	93.15	2.993		
10,600.0	7,350.0	10,414.1	7,200.0	59.5	58.3	-57.45	3,028.6	853.0	278.8	182.7	96.03	2.903		
10,700.0	7,350.0	10,514.1	7,200.0	61.1	59.9	-57.45	3,128.6	853.0	278.8	179.8	98.92	2.818		
10,800.0	7,350.0	10,614.1	7,200.0	62.8	61.6	-57.45	3,228.6	853.0	278.8	176.9	101.81	2.738		
10,900.0	7,350.0	10,714.1	7,200.0	64.4	63.2	-57.45	3,328.6	853.0	278.8	174.1	104.71	2.662		
11,000.0	7,350.0	10,814.1	7,200.0	66.0	64.9	-57.45	3,428.6	853.0	278.8	171.2	107.61	2.591		
11,100.0	7,350.0	10,914.1	7,200.0	67.7	66.6	-57.45	3,528.6	853.0	278.8	168.2	110.51	2.522		
11,200.0	7,350.0	11,014.1	7,200.0	69.3	68.3	-57.45	3,628.6	853.0	278.8	165.3	113.42	2.458		
11,300.0	7,350.0	11,114.1	7,200.0	71.0	69.9	-57.45	3,728.6	853.0	278.8	162.4	116.33	2.396		
11,400.0	7,350.0	11,214.1	7,200.0	72.6	71.6	-57.45	3,828.6	853.0	278.8	159.5	119.24	2.338		
11,500.0	7,350.0	11,314.1	7,200.0	74.3	73.3	-57.45	3,928.6	853.0	278.8	156.6	122.15	2.282		
11,600.0	7,350.0	11,414.1	7,200.0	76.0	75.0	-57.45	4,028.6	853.0	278.8	153.7	125.07	2.229		
11,700.0	7,350.0	11,514.1	7,200.0	77.7	76.7	-57.45	4,128.6	853.0	278.8	150.8	127.99	2.178		
11,800.0	7,350.0	11,614.1	7,200.0	79.3	78.4	-57.45	4,228.6	853.0	278.8	147.8	130.91	2.129		
11,900.0	7,350.0	11,714.1	7,200.0	81.0	80.1	-57.45	4,328.6	853.0	278.8	144.9	133.84	2.083		
11,965.4	7,350.0	11,779.5	7,200.0	82.1	81.2	-57.45	4,394.0	853.0	278.8	143.0	135.75	2.054 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4L-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.06	0.0	7.5	7.5					
100.0	100.0	100.0	100.0	0.2	0.2	90.06	0.0	7.5	7.5	7.2	0.30	24.844		
200.0	200.0	200.0	200.0	0.3	0.3	90.06	0.0	7.5	7.5	6.9	0.65	11.558 CC, ES		
300.0	300.0	299.9	299.9	0.5	0.5	92.14	-0.3	8.4	8.4	7.4	1.00	8.350		
400.0	400.0	399.7	399.7	0.7	0.7	-18.82	-1.2	10.8	10.1	8.7	1.35	7.440		
500.0	500.0	499.5	499.4	0.9	0.9	-17.29	-2.7	14.9	11.8	10.1	1.70	6.925		
600.0	599.9	599.3	598.9	1.0	1.1	-16.56	-4.9	20.6	13.5	11.5	2.05	6.597		
700.0	699.7	699.0	698.4	1.2	1.3	-16.38	-7.6	27.9	15.3	12.9	2.40	6.371		
800.0	799.4	798.7	797.6	1.4	1.5	-16.57	-10.9	36.8	17.1	14.3	2.76	6.205		
900.0	898.9	898.4	896.7	1.7	1.8	-17.03	-14.8	47.4	18.9	15.8	3.11	6.076		
1,000.0	998.3	998.0	995.5	1.9	2.0	-17.68	-19.4	59.5	20.8	17.3	3.48	5.972		
1,100.0	1,097.4	1,097.7	1,094.0	2.2	2.3	-18.47	-24.5	73.3	22.6	18.8	3.85	5.881		
1,200.0	1,196.3	1,197.2	1,192.2	2.5	2.7	-19.37	-30.2	88.7	24.5	20.3	4.23	5.798		
1,300.0	1,294.9	1,296.8	1,290.1	2.8	3.0	-20.35	-36.5	105.6	26.5	21.8	4.63	5.718		
1,400.0	1,393.3	1,396.3	1,387.6	3.1	3.4	-21.10	-43.4	124.2	28.8	23.8	5.04	5.718		
1,500.0	1,491.7	1,496.0	1,485.0	3.5	3.8	-20.96	-50.9	144.1	32.5	27.1	5.44	5.980		
1,600.0	1,590.1	1,595.9	1,582.6	3.8	4.2	-20.74	-58.4	164.3	36.4	30.6	5.84	6.243		
1,700.0	1,688.5	1,695.8	1,680.2	4.2	4.6	-20.56	-65.9	184.5	40.4	34.1	6.24	6.472		
1,800.0	1,786.9	1,795.8	1,777.7	4.5	5.0	-20.41	-73.5	204.7	44.3	37.6	6.64	6.672		
1,900.0	1,885.2	1,895.7	1,875.3	4.9	5.4	-20.29	-81.0	225.0	48.2	41.2	7.04	6.849		
2,000.0	1,983.6	1,995.6	1,972.9	5.2	5.8	-20.18	-88.5	245.2	52.1	44.7	7.44	7.006		
2,100.0	2,082.0	2,095.5	2,070.4	5.6	6.2	-20.09	-96.0	265.4	56.0	48.2	7.84	7.147		
2,200.0	2,180.4	2,195.5	2,168.0	5.9	6.6	-20.02	-103.6	285.6	60.0	51.7	8.24	7.274		
2,300.0	2,278.8	2,295.4	2,265.6	6.3	7.1	-19.95	-111.1	305.8	63.9	55.2	8.65	7.388		
2,400.0	2,377.2	2,395.3	2,363.1	6.6	7.5	-19.89	-118.6	326.0	67.8	58.8	9.05	7.492		
2,500.0	2,475.5	2,495.2	2,460.7	7.0	7.9	-19.83	-126.2	346.2	71.7	62.3	9.45	7.587		
2,600.0	2,573.9	2,595.2	2,558.3	7.3	8.3	-19.79	-133.7	366.4	75.7	65.8	9.86	7.675		
2,700.0	2,672.3	2,695.1	2,655.8	7.7	8.7	-19.74	-141.2	386.6	79.6	69.3	10.26	7.755		
2,800.0	2,770.7	2,795.0	2,753.4	8.1	9.1	-19.70	-148.7	406.8	83.5	72.8	10.67	7.829		
2,900.0	2,869.1	2,894.9	2,851.0	8.4	9.6	-19.67	-156.3	427.1	87.4	76.4	11.07	7.897		
3,000.0	2,967.5	2,994.8	2,948.5	8.8	10.0	-19.63	-163.8	447.3	91.3	79.9	11.47	7.960		
3,100.0	3,065.9	3,094.8	3,046.1	9.1	10.4	-19.60	-171.3	467.5	95.3	83.4	11.88	8.020		
3,200.0	3,164.2	3,194.7	3,143.7	9.5	10.8	-19.58	-178.9	487.7	99.2	86.9	12.28	8.075		
3,300.0	3,262.6	3,294.6	3,241.3	9.9	11.2	-19.55	-186.4	507.9	103.1	90.4	12.69	8.126		
3,400.0	3,361.0	3,394.5	3,338.8	10.2	11.7	-19.53	-193.9	528.1	107.0	93.9	13.09	8.174		
3,500.0	3,459.4	3,494.5	3,436.4	10.6	12.1	-19.50	-201.4	548.3	111.0	97.5	13.50	8.220		
3,600.0	3,557.8	3,594.4	3,534.0	10.9	12.5	-19.48	-209.0	568.5	114.9	101.0	13.90	8.262		
3,700.0	3,656.2	3,694.3	3,631.5	11.3	12.9	-19.46	-216.5	588.7	118.8	104.5	14.31	8.303		
3,800.0	3,754.5	3,794.2	3,729.1	11.7	13.3	-19.45	-224.0	608.9	122.7	108.0	14.71	8.341		
3,900.0	3,852.9	3,894.2	3,826.7	12.0	13.8	-19.43	-231.5	629.1	126.7	111.5	15.12	8.376		
4,000.0	3,951.3	3,994.1	3,924.2	12.4	14.2	-19.41	-239.1	649.4	130.6	115.0	15.53	8.410		
4,100.0	4,049.7	4,094.0	4,021.8	12.7	14.6	-19.40	-246.6	669.6	134.5	118.6	15.93	8.443		
4,200.0	4,148.1	4,193.9	4,119.4	13.1	15.0	-19.39	-254.1	689.8	138.4	122.1	16.34	8.473		
4,300.0	4,246.5	4,293.8	4,216.9	13.5	15.4	-19.37	-261.7	710.0	142.3	125.6	16.74	8.502		
4,400.0	4,344.8	4,393.8	4,314.5	13.8	15.9	-19.36	-269.2	730.2	146.3	129.1	17.15	8.530		
4,500.0	4,443.2	4,493.7	4,412.1	14.2	16.3	-19.35	-276.7	750.4	150.2	132.6	17.55	8.556		
4,600.0	4,541.6	4,593.6	4,509.6	14.5	16.7	-19.34	-284.2	770.6	154.1	136.2	17.96	8.582		
4,700.0	4,640.0	4,693.5	4,607.2	14.9	17.1	-19.33	-291.8	790.8	158.0	139.7	18.36	8.606		
4,800.0	4,738.4	4,793.5	4,704.8	15.3	17.5	-19.32	-299.3	811.0	162.0	143.2	18.77	8.629		
4,900.0	4,836.8	4,893.4	4,802.3	15.6	18.0	-19.31	-306.8	831.2	165.9	146.7	19.18	8.651		
5,000.0	4,935.1	4,993.3	4,899.9	16.0	18.4	-19.30	-314.3	851.5	169.8	150.2	19.58	8.672		
5,100.0	5,033.5	5,093.2	4,997.5	16.3	18.8	-19.29	-321.9	871.7	173.7	153.7	19.99	8.692		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4L-35H-O367 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,131.9	5,193.2	5,095.0	16.7	19.2	-19.28	-329.4	891.9	177.6	157.3	20.39	8.712		
5,300.0	5,230.3	5,293.1	5,192.6	17.1	19.6	-19.27	-336.9	912.1	181.6	160.8	20.80	8.730		
5,400.0	5,328.7	5,393.0	5,290.2	17.4	20.1	-19.26	-344.5	932.3	185.5	164.3	21.20	8.748		
5,500.0	5,427.1	5,492.9	5,387.7	17.8	20.5	-19.26	-352.0	952.5	189.4	167.8	21.61	8.765		
5,600.0	5,525.4	5,592.8	5,485.3	18.1	20.9	-19.25	-359.5	972.7	193.3	171.3	22.02	8.782		
5,700.0	5,623.8	5,692.8	5,582.9	18.5	21.3	-19.24	-367.0	992.9	197.3	174.8	22.42	8.798		
5,800.0	5,722.2	5,792.7	5,680.5	18.9	21.7	-19.23	-374.6	1,013.1	201.2	178.4	22.83	8.813		
5,900.0	5,820.6	5,892.6	5,778.0	19.2	22.2	-19.23	-382.1	1,033.3	205.1	181.9	23.23	8.828		
6,000.0	5,919.0	5,992.5	5,875.6	19.6	22.6	-19.22	-389.6	1,053.5	209.0	185.4	23.64	8.843		
6,100.0	6,017.4	6,092.5	5,973.2	19.9	23.0	-19.22	-397.2	1,073.8	213.0	188.9	24.05	8.856		
6,200.0	6,115.7	6,192.4	6,070.7	20.3	23.4	-19.21	-404.7	1,094.0	216.9	192.4	24.45	8.870		
6,300.0	6,214.1	6,292.3	6,168.3	20.7	23.9	-19.21	-412.2	1,114.2	220.8	195.9	24.86	8.883		
6,400.0	6,312.5	6,392.2	6,265.9	21.0	24.3	-19.20	-419.7	1,134.4	224.7	199.5	25.26	8.895		
6,500.0	6,410.9	6,492.2	6,363.4	21.4	24.7	-19.19	-427.3	1,154.6	228.6	203.0	25.67	8.908		
6,600.0	6,509.3	6,593.7	6,462.8	21.8	25.1	-20.54	-429.4	1,175.2	232.2	205.8	26.44	8.783		
6,700.0	6,607.7	6,692.2	6,558.5	22.1	25.4	-18.61	-417.9	1,195.0	236.0	207.7	28.27	8.349		
6,800.0	6,706.2	6,786.9	6,648.2	22.4	25.6	20.75	-394.3	1,213.6	241.7	211.4	30.40	7.953		
6,900.0	6,803.5	6,878.9	6,731.8	22.6	25.7	41.18	-359.9	1,230.9	249.3	217.3	32.00	7.790		
7,000.0	6,897.7	6,968.7	6,808.4	22.7	25.9	48.03	-316.2	1,246.8	258.2	225.3	32.85	7.858		
7,100.0	6,987.0	7,056.5	6,877.7	22.8	26.0	49.90	-264.2	1,261.1	267.7	234.9	32.85	8.149		
7,200.0	7,069.6	7,142.6	6,939.1	22.9	26.1	49.90	-205.3	1,273.8	277.3	245.3	32.02	8.661		
7,300.0	7,143.9	7,227.3	6,992.2	22.9	26.2	49.19	-140.4	1,284.8	286.6	256.1	30.52	9.391		
7,400.0	7,208.4	7,310.8	7,037.0	23.0	26.3	48.28	-70.5	1,294.1	295.0	266.4	28.57	10.324		
7,500.0	7,262.0	7,393.4	7,073.1	23.1	26.5	47.41	3.3	1,301.6	302.2	275.6	26.60	11.361		
7,600.0	7,303.5	7,475.2	7,100.5	23.3	26.7	46.67	80.2	1,307.3	308.0	283.1	24.93	12.354		
7,700.0	7,332.2	7,556.6	7,119.0	23.6	26.9	46.12	159.3	1,311.1	312.2	288.0	24.15	12.926		
7,800.0	7,347.4	7,637.6	7,128.5	24.0	27.2	45.79	239.6	1,313.1	314.5	289.9	24.64	12.763		
7,900.0	7,350.0	7,726.6	7,130.0	24.5	27.6	45.70	328.6	1,313.4	315.0	288.9	26.09	12.075		
8,000.0	7,350.0	7,826.6	7,130.0	25.0	28.1	45.70	428.6	1,313.4	315.0	287.6	27.39	11.499		
8,100.0	7,350.0	7,926.6	7,130.0	25.7	28.7	45.70	528.6	1,313.4	315.0	286.2	28.86	10.915		
8,200.0	7,350.0	8,026.6	7,130.0	26.5	29.4	45.70	628.6	1,313.4	315.0	284.5	30.47	10.339		
8,300.0	7,350.0	8,126.6	7,130.0	27.4	30.2	45.70	728.6	1,313.4	315.0	282.8	32.19	9.785		
8,400.0	7,350.0	8,226.6	7,130.0	28.3	31.0	45.70	828.6	1,313.4	315.0	281.0	34.02	9.260		
8,500.0	7,350.0	8,326.6	7,130.0	29.4	32.0	45.70	928.6	1,313.4	315.0	279.1	35.93	8.768		
8,600.0	7,350.0	8,426.6	7,130.0	30.5	33.0	45.70	1,028.6	1,313.4	315.0	277.1	37.91	8.309		
8,700.0	7,350.0	8,526.6	7,130.0	31.6	34.0	45.70	1,128.6	1,313.4	315.0	275.1	39.95	7.884		
8,800.0	7,350.0	8,626.6	7,130.0	32.9	35.2	45.70	1,228.6	1,313.4	315.0	273.0	42.05	7.491		
8,900.0	7,350.0	8,726.6	7,130.0	34.1	36.3	45.70	1,328.6	1,313.4	315.0	270.8	44.19	7.128		
9,000.0	7,350.0	8,826.6	7,130.0	35.4	37.6	45.70	1,428.6	1,313.4	315.0	268.6	46.37	6.793		
9,100.0	7,350.0	8,926.6	7,130.0	36.8	38.8	45.70	1,528.6	1,313.4	315.0	266.4	48.58	6.484		
9,200.0	7,350.0	9,026.6	7,130.0	38.1	40.1	45.70	1,628.6	1,313.4	315.0	264.2	50.83	6.198		
9,300.0	7,350.0	9,126.6	7,130.0	39.5	41.4	45.70	1,728.6	1,313.4	315.0	261.9	53.10	5.933		
9,400.0	7,350.0	9,226.6	7,130.0	41.0	42.8	45.70	1,828.6	1,313.4	315.0	259.6	55.39	5.688		
9,500.0	7,350.0	9,326.6	7,130.0	42.4	44.2	45.70	1,928.6	1,313.4	315.0	257.3	57.70	5.460		
9,600.0	7,350.0	9,426.6	7,130.0	43.9	45.6	45.70	2,028.6	1,313.4	315.0	255.0	60.02	5.248		
9,700.0	7,350.0	9,526.6	7,130.0	45.4	47.1	45.70	2,128.6	1,313.4	315.0	252.6	62.37	5.051		
9,800.0	7,350.0	9,626.6	7,130.0	46.9	48.5	45.70	2,228.6	1,313.4	315.0	250.3	64.72	4.867		
9,900.0	7,350.0	9,726.6	7,130.0	48.4	50.0	45.70	2,328.6	1,313.4	315.0	247.9	67.09	4.695		
10,000.0	7,350.0	9,826.6	7,130.0	50.0	51.5	45.70	2,428.6	1,313.4	315.0	245.5	69.47	4.535		
10,100.0	7,350.0	9,926.6	7,130.0	51.6	53.0	45.70	2,528.6	1,313.4	315.0	243.2	71.86	4.384		
10,200.0	7,350.0	10,026.6	7,130.0	53.1	54.5	45.70	2,628.6	1,313.4	315.0	240.8	74.26	4.242		
10,300.0	7,350.0	10,126.6	7,130.0	54.7	56.1	45.70	2,728.6	1,313.4	315.0	238.3	76.67	4.109		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - Kiyota 4L-35H-O367 - 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		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,400.0	7,350.0	10,226.6	7,130.0	56.3	57.6	45.70	2,828.6	1,313.4	315.0	235.9	79.08	3.983		
10,500.0	7,350.0	10,326.6	7,130.0	57.9	59.2	45.70	2,928.6	1,313.4	315.0	233.5	81.50	3.865		
10,600.0	7,350.0	10,426.6	7,130.0	59.5	60.8	45.70	3,028.6	1,313.4	315.0	231.1	83.93	3.753		
10,700.0	7,350.0	10,526.6	7,130.0	61.1	62.4	45.70	3,128.6	1,313.4	315.0	228.7	86.36	3.648		
10,800.0	7,350.0	10,626.6	7,130.0	62.8	64.0	45.70	3,228.6	1,313.4	315.0	226.2	88.80	3.547		
10,900.0	7,350.0	10,726.6	7,130.0	64.4	65.6	45.70	3,328.6	1,313.4	315.0	223.8	91.24	3.453		
11,000.0	7,350.0	10,826.6	7,130.0	66.0	67.2	45.70	3,428.6	1,313.4	315.0	221.3	93.69	3.362		
11,100.0	7,350.0	10,926.6	7,130.0	67.7	68.8	45.70	3,528.6	1,313.4	315.0	218.9	96.14	3.277		
11,200.0	7,350.0	11,026.6	7,130.0	69.3	70.4	45.70	3,628.6	1,313.4	315.0	216.4	98.60	3.195		
11,300.0	7,350.0	11,126.6	7,130.0	71.0	72.0	45.70	3,728.6	1,313.4	315.0	214.0	101.05	3.117		
11,400.0	7,350.0	11,226.6	7,130.0	72.6	73.7	45.70	3,828.6	1,313.4	315.0	211.5	103.52	3.043		
11,500.0	7,350.0	11,326.6	7,130.0	74.3	75.3	45.70	3,928.6	1,313.4	315.0	209.0	105.98	2.972		
11,600.0	7,350.0	11,426.6	7,130.0	76.0	77.0	45.70	4,028.6	1,313.4	315.0	206.6	108.45	2.905		
11,700.0	7,350.0	11,526.6	7,130.0	77.7	78.6	45.70	4,128.6	1,313.4	315.0	204.1	110.92	2.840		
11,800.0	7,350.0	11,626.6	7,130.0	79.3	80.3	45.70	4,228.6	1,313.4	315.0	201.6	113.39	2.778		
11,900.0	7,350.0	11,726.6	7,130.0	81.0	81.9	45.70	4,328.6	1,313.4	315.0	199.1	115.87	2.719		
11,946.8	7,350.0	11,773.4	7,130.0	81.8	82.7	45.70	4,375.4	1,313.4	315.0	198.0	117.02	2.692		
11,965.4	7,350.0	11,786.9	7,130.0	82.1	82.9	45.70	4,388.9	1,313.4	315.1	197.6	117.42	2.683 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KIYOTA 6-8-35 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 843-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	1.1	1.1	0.0	0.0	-70.25	192.4	-535.7	569.2					
100.0	100.0	101.3	101.3	0.2	0.2	-70.24	192.4	-535.6	569.1	568.8	0.33	1,739.304		
200.0	200.0	201.6	201.6	0.3	0.4	-70.22	192.6	-535.5	569.1	568.4	0.68	842.771		
300.0	300.0	301.8	301.8	0.5	0.5	-70.18	192.9	-535.3	569.0	567.9	1.02	556.031		
307.7	307.7	309.6	309.6	0.5	0.5	176.02	192.9	-535.2	569.0	567.9	1.05	540.794		
400.0	400.0	402.1	402.1	0.7	0.7	176.07	193.3	-535.0	569.7	568.3	1.37	414.749		
500.0	500.0	502.3	502.3	0.9	0.9	176.15	193.8	-534.6	572.1	570.4	1.72	332.294		
600.0	599.9	602.5	602.4	1.0	1.0	176.25	194.5	-534.1	576.2	574.1	2.07	278.465		
700.0	699.7	702.5	702.5	1.2	1.2	176.37	195.2	-533.5	582.0	579.6	2.42	240.890		
800.0	799.4	802.5	802.5	1.4	1.4	176.52	196.1	-532.8	589.5	586.8	2.76	213.432		
900.0	898.9	914.3	914.2	1.7	1.6	176.71	197.0	-531.3	598.1	595.0	3.13	191.127		
1,000.0	998.3	1,026.4	1,026.3	1.9	1.8	176.73	195.2	-527.8	606.0	602.5	3.49	173.486		
1,100.0	1,097.4	1,144.6	1,144.2	2.2	2.0	176.61	190.6	-521.6	612.7	608.8	3.87	158.462		
1,200.0	1,196.3	1,260.4	1,259.5	2.5	2.2	176.33	183.3	-513.6	618.8	614.6	4.24	146.057		
1,300.0	1,294.9	1,372.3	1,370.6	2.8	2.5	175.86	173.2	-504.0	624.2	619.6	4.60	135.570		
1,400.0	1,393.3	1,481.2	1,478.5	3.1	2.8	175.43	162.8	-493.3	629.6	624.6	4.98	126.526		
1,500.0	1,491.7	1,588.3	1,584.3	3.5	3.0	175.09	152.9	-480.9	633.5	628.1	5.35	118.407		
1,600.0	1,590.1	1,711.7	1,705.9	3.8	3.4	174.59	139.4	-464.5	635.2	629.5	5.76	110.214		
1,700.0	1,688.5	1,816.7	1,808.8	4.2	3.8	174.07	126.2	-448.4	634.5	628.4	6.15	103.152		
1,800.0	1,786.9	1,930.9	1,920.3	4.5	4.2	173.43	110.4	-429.5	632.3	625.7	6.57	96.238		
1,900.0	1,885.2	2,028.5	2,015.5	4.9	4.5	172.85	96.6	-412.8	629.4	622.4	6.96	90.409		
2,000.0	1,983.6	2,139.7	2,123.6	5.2	5.0	172.18	80.3	-392.7	625.6	618.2	7.40	84.586		
2,100.0	2,082.0	2,240.4	2,221.3	5.6	5.4	171.53	65.0	-373.7	620.8	613.0	7.82	79.424		
2,200.0	2,180.4	2,334.9	2,313.1	5.9	5.8	170.97	51.4	-356.1	616.7	608.5	8.22	74.988		
2,300.0	2,278.8	2,432.9	2,408.5	6.3	6.2	170.42	37.8	-338.3	613.2	604.5	8.64	70.926		
2,400.0	2,377.2	2,534.5	2,507.5	6.6	6.6	169.85	23.8	-319.9	609.9	600.8	9.09	67.125		
2,500.0	2,475.5	2,641.0	2,610.9	7.0	7.1	169.13	7.6	-300.0	605.6	596.0	9.57	63.311		
2,600.0	2,573.9	2,735.0	2,701.9	7.3	7.5	168.43	-7.2	-282.2	601.1	591.0	10.02	59.960		
2,700.0	2,672.3	2,830.6	2,794.9	7.7	7.9	167.74	-21.7	-265.2	598.0	587.5	10.50	56.966		
2,800.0	2,770.7	2,936.3	2,897.7	8.1	8.4	167.01	-37.4	-246.2	594.8	583.7	11.00	54.063		
2,900.0	2,869.1	3,032.2	2,990.9	8.4	8.8	166.38	-51.3	-228.5	591.2	579.7	11.49	51.477		
3,000.0	2,967.5	3,132.9	3,088.9	8.8	9.3	165.70	-66.0	-210.2	588.2	576.2	12.00	49.024		
3,100.0	3,065.9	3,230.7	3,184.0	9.1	9.7	165.05	-80.0	-192.5	585.2	572.7	12.50	46.797		
3,200.0	3,164.2	3,325.6	3,276.5	9.5	10.1	164.45	-93.2	-175.8	582.9	569.9	13.01	44.815		
3,300.0	3,262.6	3,429.3	3,377.6	9.9	10.5	163.78	-107.7	-157.6	580.7	567.2	13.55	42.844		
3,400.0	3,361.0	3,527.8	3,473.5	10.2	10.9	163.11	-121.8	-140.2	578.4	564.3	14.10	41.026		
3,500.0	3,459.4	3,628.5	3,571.6	10.6	11.4	162.47	-135.7	-122.4	576.2	561.6	14.65	39.333		
3,600.0	3,557.8	3,732.2	3,672.5	10.9	11.8	161.76	-150.5	-103.6	573.7	558.5	15.24	37.648		
3,700.0	3,656.2	3,838.1	3,775.4	11.3	12.3	161.04	-165.6	-83.6	570.4	554.6	15.84	36.002		
3,800.0	3,754.5	3,937.5	3,871.7	11.7	12.8	160.34	-179.9	-63.8	566.2	549.7	16.45	34.426		
3,900.0	3,852.9	4,039.5	3,970.7	12.0	13.3	159.55	-195.2	-44.2	562.7	545.6	17.09	32.924		
4,000.0	3,951.3	4,134.6	4,062.7	12.4	13.7	158.78	-209.7	-25.3	558.6	540.9	17.72	31.517		
4,100.0	4,049.7	4,231.6	4,157.0	12.7	14.1	158.09	-223.5	-7.3	556.0	537.7	18.35	30.307		
4,200.0	4,148.1	4,331.2	4,253.9	13.1	14.6	157.43	-237.1	11.2	553.5	534.6	18.97	29.172		
4,300.0	4,246.5	4,422.4	4,342.9	13.5	14.9	156.90	-248.8	27.7	551.7	532.2	19.55	28.217		
4,329.0	4,275.0	4,446.9	4,366.8	13.6	15.0	156.77	-251.8	31.7	551.6	531.9	19.71	27.987 CC, ES		
4,400.0	4,344.8	4,514.3	4,432.9	13.8	15.3	156.42	-260.0	42.3	552.1	531.9	20.12	27.434		
4,500.0	4,443.2	4,613.3	4,529.9	14.2	15.7	155.91	-272.1	57.9	552.6	531.9	20.73	26.661		
4,600.0	4,541.6	4,704.7	4,619.6	14.5	16.0	155.45	-283.1	71.5	554.1	532.8	21.30	26.014		
4,700.0	4,640.0	4,805.9	4,719.2	14.9	16.4	155.00	-294.9	85.5	556.8	534.9	21.91	25.418		
4,800.0	4,738.4	4,899.7	4,811.4	15.3	16.7	154.60	-305.6	98.5	559.4	537.0	22.48	24.891		
4,900.0	4,836.8	4,992.9	4,903.4	15.6	17.0	154.26	-315.7	110.2	563.4	540.3	23.03	24.467		

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 Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 S35-T3N-R67W (Kiyota) - KIYOTA 6-8-35 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 843-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		
5,000.0	4,935.1	5,092.4	5,001.6	16.0	17.4	153.99	-325.7	121.9	568.1	544.5	23.56	24.117		
5,100.0	5,033.5	5,186.4	5,094.8	16.3	17.6	153.93	-333.4	132.6	573.2	549.2	24.01	23.877		
5,200.0	5,131.9	5,282.2	5,189.7	16.7	17.9	153.97	-340.1	142.6	579.2	554.7	24.42	23.713		
5,300.0	5,230.3	5,376.1	5,283.0	17.1	18.1	153.96	-347.3	151.6	586.0	561.1	24.86	23.575		
5,400.0	5,328.7	5,476.1	5,382.3	17.4	18.4	154.02	-354.2	160.6	593.5	568.2	25.27	23.482		
5,500.0	5,427.1	5,566.8	5,472.5	17.8	18.6	154.13	-360.0	168.2	601.5	575.9	25.65	23.454		
5,600.0	5,525.4	5,668.4	5,573.6	18.1	18.9	154.27	-366.1	176.1	610.1	584.1	26.03	23.440 SF		
5,700.0	5,623.8	5,764.8	5,669.6	18.5	19.1	154.49	-371.1	183.5	618.9	592.5	26.37	23.470		
5,800.0	5,722.2	5,859.1	5,763.6	18.9	19.3	154.71	-375.8	190.1	628.2	601.5	26.69	23.537		
5,900.0	5,820.6	5,950.9	5,855.2	19.2	19.4	155.05	-378.9	195.5	638.7	611.7	26.95	23.694		
6,000.0	5,919.0	6,041.6	5,945.7	19.6	19.6	155.49	-380.7	199.7	650.4	623.2	27.18	23.931		
6,100.0	6,017.4	6,135.4	6,039.4	19.9	19.7	155.88	-383.2	202.9	663.4	636.0	27.43	24.189		
6,200.0	6,115.7	6,223.2	6,127.2	20.3	19.8	156.26	-385.2	205.1	677.3	649.7	27.66	24.486		
6,300.0	6,214.1	6,312.8	6,216.8	20.7	19.9	156.67	-386.7	205.8	693.0	665.2	27.87	24.863		
6,400.0	6,312.5	6,410.0	6,314.0	21.0	20.0	157.23	-386.8	205.8	709.6	681.5	28.04	25.302		
6,500.0	6,410.9	6,507.7	6,411.7	21.4	20.1	157.77	-386.8	205.9	726.1	697.9	28.22	25.731		
6,600.0	6,509.3	6,607.1	6,511.1	21.8	20.2	158.32	-386.6	205.8	742.8	714.4	28.39	26.159		
6,700.0	6,607.7	6,702.8	6,606.7	22.1	20.3	165.52	-386.4	205.8	759.5	730.9	28.51	26.635		
6,800.0	6,706.2	6,801.7	6,705.7	22.4	20.4	-148.31	-385.9	205.5	776.1	747.6	28.42	27.308		
6,900.0	6,803.5	6,896.1	6,800.1	22.6	20.5	-122.53	-385.6	205.2	792.0	763.4	28.54	27.749		
7,000.0	6,897.7	6,990.8	6,894.8	22.7	20.6	-111.79	-385.5	204.7	808.0	779.1	28.83	28.030		
7,100.0	6,987.0	7,081.9	6,985.8	22.8	20.7	-107.25	-385.4	204.3	824.6	795.5	29.16	28.283		
7,200.0	7,069.6	7,166.2	7,070.2	22.9	20.8	-105.42	-385.3	204.2	843.5	814.1	29.42	28.676		
7,300.0	7,143.9	7,242.4	7,146.3	22.9	20.8	-104.72	-385.1	204.2	866.2	836.6	29.53	29.333		
7,400.0	7,208.4	7,309.0	7,212.9	23.0	20.9	-104.24	-384.9	204.3	894.2	864.7	29.52	30.295		
7,500.0	7,262.0	7,364.5	7,268.5	23.1	21.0	-103.34	-384.6	204.5	928.8	899.3	29.50	31.486		
7,600.0	7,303.5	7,407.9	7,311.9	23.3	21.0	-101.56	-384.4	204.7	970.5	940.9	29.64	32.741		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Kiyota 4K-35H-O367
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Reference Site:</b>	S35-T3N-R67W (Kiyota)	<b>MD Reference:</b>	13' KB @ 4848.0ft (Original Well Elev)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Kiyota 4K-35H-O367	<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 13' KB @ 4848.0ft (Original Well Elev)  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: Kiyota 4K-35H-O367  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.42°

