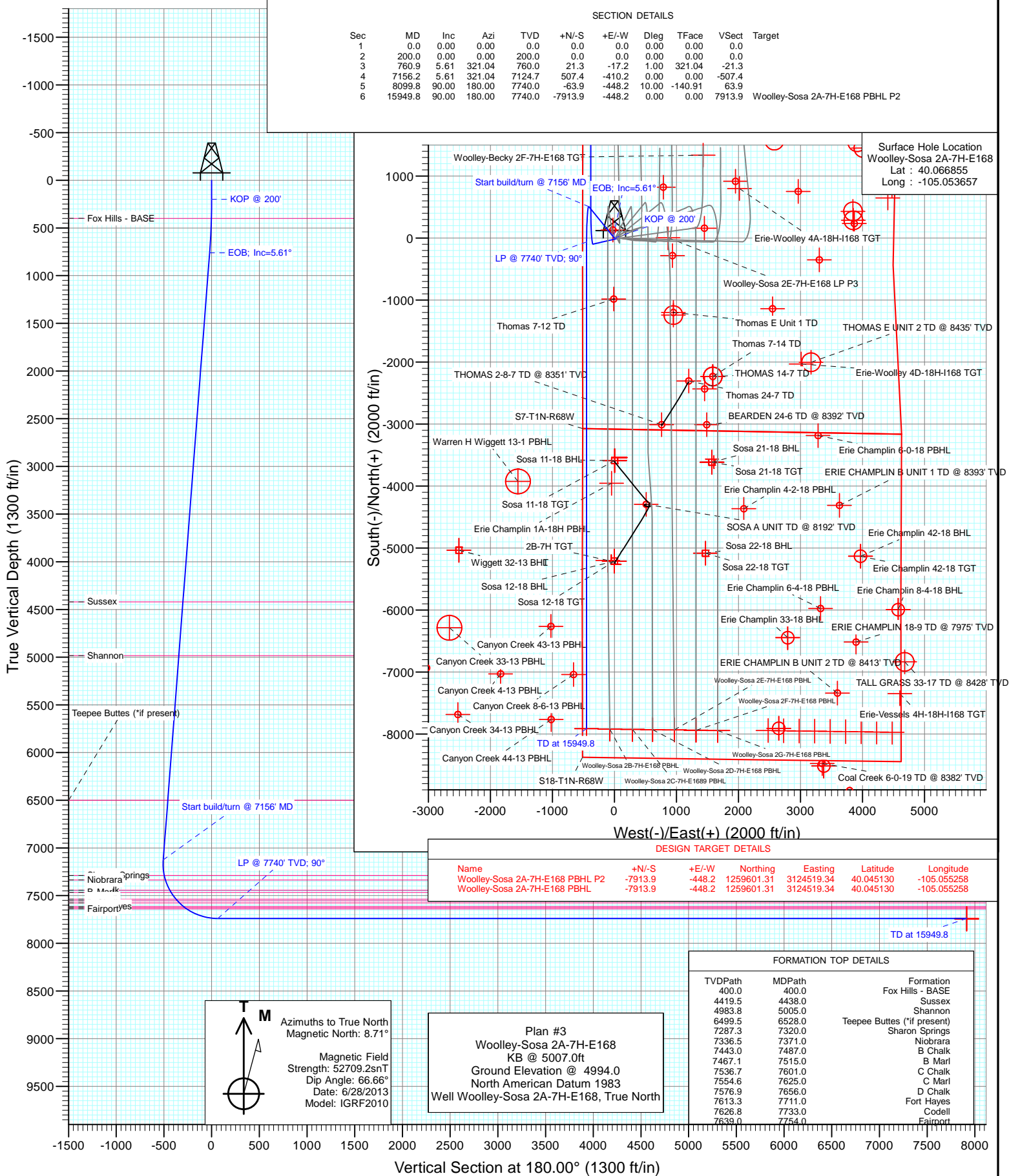




Project: DJ Wattenberg  
Site: S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)  
Well: Woolley-Sosa 2A-7H-E168  
Wellbore: Hz  
Design: Plan #3



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>North Reference:</b>	True
<b>Well:</b>	Woolley-Sosa 2A-7H-E168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

<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		S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)			
Site Position:		Northing:	1,265,219.42 ft	Latitude:	40.060530
From:	Lat/Long	Easting:	3,126,139.27 ft	Longitude:	-105.049370
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.29 °

Well	Woolley-Sosa 2A-7H-E168					
Well Position	+N/-S	0.0 ft	Northing:	1,267,517.35 ft	Latitude:	40.066855
	+E/-W	0.0 ft	Easting:	3,124,927.73 ft	Longitude:	-105.053657
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,994.0 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</b>
			(°)	(°)	(nT)
	IGRF2010	6/28/2013	8.72	66.66	52,709

<b>Design</b>	Plan #3			
<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)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	180.00

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
760.9	5.61	321.04	760.0	21.3	-17.2	1.00	1.00	0.00	321.04	
7,156.2	5.61	321.04	7,124.7	507.4	-410.2	0.00	0.00	0.00	0.00	
8,099.8	90.00	180.00	7,740.0	-63.9	-448.2	10.00	8.94	-14.95	-140.91	
15,949.8	90.00	180.00	7,740.0	-7,913.9	-448.2	0.00	0.00	0.00	0.00	Woolley-Sosa 2A-7H-

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>North Reference:</b>	True
<b>Well:</b>	Woolley-Sosa 2A-7H-E168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

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	KOP @ 200'
300.0	1.00	321.04	300.0	0.7	-0.5	-0.7	1.00	1.00	
400.0	2.00	321.04	400.0	2.7	-2.2	-2.7	1.00	1.00	Fox Hills - BASE
500.0	3.00	321.04	499.9	6.1	-4.9	-6.1	1.00	1.00	
600.0	4.00	321.04	599.7	10.9	-8.8	-10.9	1.00	1.00	
700.0	5.00	321.04	699.4	17.0	-13.7	-17.0	1.00	1.00	
760.9	5.61	321.04	760.0	21.3	-17.2	-21.3	1.00	1.00	EOB; Inc=5.61°
800.0	5.61	321.04	798.9	24.3	-19.7	-24.3	0.00	0.00	
900.0	5.61	321.04	898.4	31.9	-25.8	-31.9	0.00	0.00	
1,000.0	5.61	321.04	998.0	39.5	-31.9	-39.5	0.00	0.00	
1,100.0	5.61	321.04	1,097.5	47.1	-38.1	-47.1	0.00	0.00	
1,200.0	5.61	321.04	1,197.0	54.7	-44.2	-54.7	0.00	0.00	
1,300.0	5.61	321.04	1,296.5	62.3	-50.4	-62.3	0.00	0.00	
1,400.0	5.61	321.04	1,396.0	69.9	-56.5	-69.9	0.00	0.00	
1,500.0	5.61	321.04	1,495.6	77.5	-62.7	-77.5	0.00	0.00	
1,600.0	5.61	321.04	1,595.1	85.1	-68.8	-85.1	0.00	0.00	
1,700.0	5.61	321.04	1,694.6	92.7	-75.0	-92.7	0.00	0.00	
1,800.0	5.61	321.04	1,794.1	100.3	-81.1	-100.3	0.00	0.00	
1,900.0	5.61	321.04	1,893.7	107.9	-87.2	-107.9	0.00	0.00	
2,000.0	5.61	321.04	1,993.2	115.5	-93.4	-115.5	0.00	0.00	
2,100.0	5.61	321.04	2,092.7	123.1	-99.5	-123.1	0.00	0.00	
2,200.0	5.61	321.04	2,192.2	130.7	-105.7	-130.7	0.00	0.00	
2,300.0	5.61	321.04	2,291.7	138.3	-111.8	-138.3	0.00	0.00	
2,400.0	5.61	321.04	2,391.3	145.9	-118.0	-145.9	0.00	0.00	
2,500.0	5.61	321.04	2,490.8	153.5	-124.1	-153.5	0.00	0.00	
2,600.0	5.61	321.04	2,590.3	161.1	-130.3	-161.1	0.00	0.00	
2,700.0	5.61	321.04	2,689.8	168.7	-136.4	-168.7	0.00	0.00	
2,800.0	5.61	321.04	2,789.3	176.3	-142.5	-176.3	0.00	0.00	
2,900.0	5.61	321.04	2,888.9	183.9	-148.7	-183.9	0.00	0.00	
3,000.0	5.61	321.04	2,988.4	191.5	-154.8	-191.5	0.00	0.00	
3,100.0	5.61	321.04	3,087.9	199.1	-161.0	-199.1	0.00	0.00	
3,200.0	5.61	321.04	3,187.4	206.7	-167.1	-206.7	0.00	0.00	
3,300.0	5.61	321.04	3,286.9	214.3	-173.3	-214.3	0.00	0.00	
3,400.0	5.61	321.04	3,386.5	221.9	-179.4	-221.9	0.00	0.00	
3,500.0	5.61	321.04	3,486.0	229.5	-185.6	-229.5	0.00	0.00	
3,600.0	5.61	321.04	3,585.5	237.1	-191.7	-237.1	0.00	0.00	
3,700.0	5.61	321.04	3,685.0	244.7	-197.9	-244.7	0.00	0.00	
3,800.0	5.61	321.04	3,784.6	252.3	-204.0	-252.3	0.00	0.00	
3,900.0	5.61	321.04	3,884.1	259.9	-210.1	-259.9	0.00	0.00	
4,000.0	5.61	321.04	3,983.6	267.5	-216.3	-267.5	0.00	0.00	
4,100.0	5.61	321.04	4,083.1	275.1	-222.4	-275.1	0.00	0.00	
4,200.0	5.61	321.04	4,182.6	282.7	-228.6	-282.7	0.00	0.00	
4,300.0	5.61	321.04	4,282.2	290.3	-234.7	-290.3	0.00	0.00	
4,400.0	5.61	321.04	4,381.7	297.9	-240.9	-297.9	0.00	0.00	
4,438.0	5.61	321.04	4,419.5	300.8	-243.2	-300.8	0.00	0.00	Sussex
4,500.0	5.61	321.04	4,481.2	305.5	-247.0	-305.5	0.00	0.00	
4,600.0	5.61	321.04	4,580.7	313.1	-253.2	-313.1	0.00	0.00	
4,700.0	5.61	321.04	4,680.2	320.7	-259.3	-320.7	0.00	0.00	
4,800.0	5.61	321.04	4,779.8	328.3	-265.4	-328.3	0.00	0.00	
4,900.0	5.61	321.04	4,879.3	335.9	-271.6	-335.9	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>North Reference:</b>	True
<b>Well:</b>	Woolley-Sosa 2A-7H-E168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

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
5,000.0	5.61	321.04	4,978.8	343.5	-277.7	-343.5	0.00	0.00	
5,005.0	5.61	321.04	4,983.8	343.9	-278.0	-343.9	0.00	0.00	Shannon
5,100.0	5.61	321.04	5,078.3	351.1	-283.9	-351.1	0.00	0.00	
5,200.0	5.61	321.04	5,177.9	358.7	-290.0	-358.7	0.00	0.00	
5,300.0	5.61	321.04	5,277.4	366.3	-296.2	-366.3	0.00	0.00	
5,400.0	5.61	321.04	5,376.9	373.9	-302.3	-373.9	0.00	0.00	
5,500.0	5.61	321.04	5,476.4	381.5	-308.5	-381.5	0.00	0.00	
5,600.0	5.61	321.04	5,575.9	389.1	-314.6	-389.1	0.00	0.00	
5,700.0	5.61	321.04	5,675.5	396.7	-320.8	-396.7	0.00	0.00	
5,800.0	5.61	321.04	5,775.0	404.3	-326.9	-404.3	0.00	0.00	
5,900.0	5.61	321.04	5,874.5	411.9	-333.0	-411.9	0.00	0.00	
6,000.0	5.61	321.04	5,974.0	419.5	-339.2	-419.5	0.00	0.00	
6,100.0	5.61	321.04	6,073.5	427.1	-345.3	-427.1	0.00	0.00	
6,200.0	5.61	321.04	6,173.1	434.7	-351.5	-434.7	0.00	0.00	
6,300.0	5.61	321.04	6,272.6	442.3	-357.6	-442.3	0.00	0.00	
6,400.0	5.61	321.04	6,372.1	449.9	-363.8	-449.9	0.00	0.00	
6,500.0	5.61	321.04	6,471.6	457.5	-369.9	-457.5	0.00	0.00	
6,528.0	5.61	321.04	6,499.5	459.7	-371.6	-459.7	0.00	0.00	Teepee Buttes (*if present)
6,600.0	5.61	321.04	6,571.1	465.1	-376.1	-465.1	0.00	0.00	
6,700.0	5.61	321.04	6,670.7	472.7	-382.2	-472.7	0.00	0.00	
6,800.0	5.61	321.04	6,770.2	480.3	-388.3	-480.3	0.00	0.00	
6,900.0	5.61	321.04	6,869.7	487.9	-394.5	-487.9	0.00	0.00	
7,000.0	5.61	321.04	6,969.2	495.5	-400.6	-495.5	0.00	0.00	
7,100.0	5.61	321.04	7,068.8	503.1	-406.8	-503.1	0.00	0.00	
7,156.2	5.61	321.04	7,124.7	507.4	-410.2	-507.4	0.00	0.00	Start build/turn @ 7156' MD
7,200.0	3.53	269.63	7,168.4	509.1	-412.9	-509.1	10.00	-4.74	
7,300.0	10.62	199.22	7,267.7	500.3	-419.1	-500.3	10.00	7.09	
7,320.0	12.52	196.14	7,287.3	496.5	-420.3	-496.5	10.00	9.51	Sharon Springs
7,371.0	17.47	191.31	7,336.5	483.7	-423.3	-483.7	10.00	9.70	Niobrara
7,400.0	20.32	189.60	7,363.9	474.4	-425.0	-474.4	10.00	9.82	
7,487.0	28.92	186.42	7,443.0	438.6	-429.9	-438.6	10.00	9.89	B Chalk
7,500.0	30.21	186.09	7,454.3	432.2	-430.6	-432.2	10.00	9.92	
7,515.0	31.70	185.74	7,467.1	424.5	-431.4	-424.5	10.00	9.93	B Marl
7,600.0	40.15	184.20	7,535.9	374.9	-435.6	-374.9	10.00	9.94	
7,601.0	40.25	184.18	7,536.7	374.2	-435.7	-374.2	10.00	9.95	C Chalk
7,625.0	42.64	183.84	7,554.6	358.4	-436.8	-358.4	10.00	9.96	C Marl
7,656.0	45.73	183.45	7,576.9	336.8	-438.2	-336.8	10.00	9.96	D Chalk
7,700.0	50.11	182.96	7,606.4	304.2	-440.0	-304.2	10.00	9.97	
7,711.0	51.21	182.84	7,613.3	295.7	-440.4	-295.7	10.00	9.97	Fort Hayes
7,733.0	53.40	182.63	7,626.8	278.3	-441.2	-278.3	10.00	9.97	Codell
7,754.0	55.50	182.43	7,639.0	261.3	-442.0	-261.3	10.00	9.97	Fairport
7,800.0	60.09	182.04	7,663.5	222.4	-443.5	-222.4	10.00	9.97	
7,900.0	70.06	181.28	7,705.6	131.9	-446.1	-131.9	10.00	9.98	
8,000.0	80.04	180.62	7,731.4	35.4	-447.7	-35.4	10.00	9.98	
8,099.8	90.00	180.00	7,740.0	-63.9	-448.2	63.9	10.00	9.98	LP @ 7740' TVD; 90°
8,100.0	90.00	180.00	7,740.0	-64.1	-448.2	64.1	0.00	0.00	
8,200.0	90.00	180.00	7,740.0	-164.1	-448.2	164.1	0.00	0.00	
8,300.0	90.00	180.00	7,740.0	-264.1	-448.2	264.1	0.00	0.00	
8,400.0	90.00	180.00	7,740.0	-364.1	-448.2	364.1	0.00	0.00	
8,500.0	90.00	180.00	7,740.0	-464.1	-448.2	464.1	0.00	0.00	
8,600.0	90.00	180.00	7,740.0	-564.1	-448.2	564.1	0.00	0.00	
8,700.0	90.00	180.00	7,740.0	-664.1	-448.2	664.1	0.00	0.00	

# Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>North Reference:</b>	True
<b>Well:</b>	Woolley-Sosa 2A-7H-E168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

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
8,800.0	90.00	180.00	7,740.0	-764.1	-448.2	764.1	0.00	0.00	
8,900.0	90.00	180.00	7,740.0	-864.1	-448.2	864.1	0.00	0.00	
9,000.0	90.00	180.00	7,740.0	-964.1	-448.2	964.1	0.00	0.00	
9,100.0	90.00	180.00	7,740.0	-1,064.1	-448.2	1,064.1	0.00	0.00	
9,200.0	90.00	180.00	7,740.0	-1,164.1	-448.2	1,164.1	0.00	0.00	
9,300.0	90.00	180.00	7,740.0	-1,264.1	-448.2	1,264.1	0.00	0.00	
9,400.0	90.00	180.00	7,740.0	-1,364.1	-448.2	1,364.1	0.00	0.00	
9,500.0	90.00	180.00	7,740.0	-1,464.1	-448.2	1,464.1	0.00	0.00	
9,600.0	90.00	180.00	7,740.0	-1,564.1	-448.2	1,564.1	0.00	0.00	
9,700.0	90.00	180.00	7,740.0	-1,664.1	-448.2	1,664.1	0.00	0.00	
9,800.0	90.00	180.00	7,740.0	-1,764.1	-448.2	1,764.1	0.00	0.00	
9,900.0	90.00	180.00	7,740.0	-1,864.1	-448.2	1,864.1	0.00	0.00	
10,000.0	90.00	180.00	7,740.0	-1,964.1	-448.2	1,964.1	0.00	0.00	
10,100.0	90.00	180.00	7,740.0	-2,064.1	-448.2	2,064.1	0.00	0.00	
10,200.0	90.00	180.00	7,740.0	-2,164.1	-448.2	2,164.1	0.00	0.00	
10,300.0	90.00	180.00	7,740.0	-2,264.1	-448.2	2,264.1	0.00	0.00	
10,400.0	90.00	180.00	7,740.0	-2,364.1	-448.2	2,364.1	0.00	0.00	
10,500.0	90.00	180.00	7,740.0	-2,464.1	-448.2	2,464.1	0.00	0.00	
10,600.0	90.00	180.00	7,740.0	-2,564.1	-448.2	2,564.1	0.00	0.00	
10,700.0	90.00	180.00	7,740.0	-2,664.1	-448.2	2,664.1	0.00	0.00	
10,800.0	90.00	180.00	7,740.0	-2,764.1	-448.2	2,764.1	0.00	0.00	
10,900.0	90.00	180.00	7,740.0	-2,864.1	-448.2	2,864.1	0.00	0.00	
11,000.0	90.00	180.00	7,740.0	-2,964.1	-448.2	2,964.1	0.00	0.00	
11,100.0	90.00	180.00	7,740.0	-3,064.1	-448.2	3,064.1	0.00	0.00	
11,200.0	90.00	180.00	7,740.0	-3,164.1	-448.2	3,164.1	0.00	0.00	
11,300.0	90.00	180.00	7,740.0	-3,264.1	-448.2	3,264.1	0.00	0.00	
11,400.0	90.00	180.00	7,740.0	-3,364.1	-448.2	3,364.1	0.00	0.00	
11,500.0	90.00	180.00	7,740.0	-3,464.1	-448.2	3,464.1	0.00	0.00	
11,600.0	90.00	180.00	7,740.0	-3,564.1	-448.2	3,564.1	0.00	0.00	
11,700.0	90.00	180.00	7,740.0	-3,664.1	-448.2	3,664.1	0.00	0.00	
11,800.0	90.00	180.00	7,740.0	-3,764.1	-448.2	3,764.1	0.00	0.00	
11,900.0	90.00	180.00	7,740.0	-3,864.1	-448.2	3,864.1	0.00	0.00	
12,000.0	90.00	180.00	7,740.0	-3,964.1	-448.2	3,964.1	0.00	0.00	
12,100.0	90.00	180.00	7,740.0	-4,064.1	-448.2	4,064.1	0.00	0.00	
12,200.0	90.00	180.00	7,740.0	-4,164.1	-448.2	4,164.1	0.00	0.00	
12,300.0	90.00	180.00	7,740.0	-4,264.1	-448.2	4,264.1	0.00	0.00	
12,400.0	90.00	180.00	7,740.0	-4,364.1	-448.2	4,364.1	0.00	0.00	
12,500.0	90.00	180.00	7,740.0	-4,464.1	-448.2	4,464.1	0.00	0.00	
12,600.0	90.00	180.00	7,740.0	-4,564.1	-448.2	4,564.1	0.00	0.00	
12,700.0	90.00	180.00	7,740.0	-4,664.1	-448.2	4,664.1	0.00	0.00	
12,800.0	90.00	180.00	7,740.0	-4,764.1	-448.2	4,764.1	0.00	0.00	
12,900.0	90.00	180.00	7,740.0	-4,864.1	-448.2	4,864.1	0.00	0.00	
13,000.0	90.00	180.00	7,740.0	-4,964.1	-448.2	4,964.1	0.00	0.00	
13,100.0	90.00	180.00	7,740.0	-5,064.1	-448.2	5,064.1	0.00	0.00	
13,200.0	90.00	180.00	7,740.0	-5,164.1	-448.2	5,164.1	0.00	0.00	
13,300.0	90.00	180.00	7,740.0	-5,264.1	-448.2	5,264.1	0.00	0.00	
13,400.0	90.00	180.00	7,740.0	-5,364.1	-448.2	5,364.1	0.00	0.00	
13,500.0	90.00	180.00	7,740.0	-5,464.1	-448.2	5,464.1	0.00	0.00	
13,600.0	90.00	180.00	7,740.0	-5,564.1	-448.2	5,564.1	0.00	0.00	
13,700.0	90.00	180.00	7,740.0	-5,664.1	-448.2	5,664.1	0.00	0.00	
13,800.0	90.00	180.00	7,740.0	-5,764.1	-448.2	5,764.1	0.00	0.00	
13,900.0	90.00	180.00	7,740.0	-5,864.1	-448.2	5,864.1	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>North Reference:</b>	True
<b>Well:</b>	Woolley-Sosa 2A-7H-E168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

### 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
14,000.0	90.00	180.00	7,740.0	-5,964.1	-448.2	5,964.1	0.00	0.00	
14,100.0	90.00	180.00	7,740.0	-6,064.1	-448.2	6,064.1	0.00	0.00	
14,200.0	90.00	180.00	7,740.0	-6,164.1	-448.2	6,164.1	0.00	0.00	
14,300.0	90.00	180.00	7,740.0	-6,264.1	-448.2	6,264.1	0.00	0.00	
14,400.0	90.00	180.00	7,740.0	-6,364.1	-448.2	6,364.1	0.00	0.00	
14,500.0	90.00	180.00	7,740.0	-6,464.1	-448.2	6,464.1	0.00	0.00	
14,600.0	90.00	180.00	7,740.0	-6,564.1	-448.2	6,564.1	0.00	0.00	
14,700.0	90.00	180.00	7,740.0	-6,664.1	-448.2	6,664.1	0.00	0.00	
14,800.0	90.00	180.00	7,740.0	-6,764.1	-448.2	6,764.1	0.00	0.00	
14,900.0	90.00	180.00	7,740.0	-6,864.1	-448.2	6,864.1	0.00	0.00	
15,000.0	90.00	180.00	7,740.0	-6,964.1	-448.2	6,964.1	0.00	0.00	
15,100.0	90.00	180.00	7,740.0	-7,064.1	-448.2	7,064.1	0.00	0.00	
15,200.0	90.00	180.00	7,740.0	-7,164.1	-448.2	7,164.1	0.00	0.00	
15,300.0	90.00	180.00	7,740.0	-7,264.1	-448.2	7,264.1	0.00	0.00	
15,400.0	90.00	180.00	7,740.0	-7,364.1	-448.2	7,364.1	0.00	0.00	
15,500.0	90.00	180.00	7,740.0	-7,464.1	-448.2	7,464.1	0.00	0.00	
15,600.0	90.00	180.00	7,740.0	-7,564.1	-448.2	7,564.1	0.00	0.00	
15,700.0	90.00	180.00	7,740.0	-7,664.1	-448.2	7,664.1	0.00	0.00	
15,800.0	90.00	180.00	7,740.0	-7,764.1	-448.2	7,764.1	0.00	0.00	
15,900.0	90.00	180.00	7,740.0	-7,864.1	-448.2	7,864.1	0.00	0.00	
15,949.8	90.00	180.00	7,740.0	-7,913.9	-448.2	7,913.9	0.00	0.00	TD at 15949.8

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Woolley-Sosa 2A-7H-E1	0.00	0.00	7,747.0	-7,913.9	-448.2	1,259,601.31	3,124,519.34	40.045130	-105.055258
- plan misses target center by 7.0ft at 15949.8ft MD (7740.0 TVD, -7913.9 N, -448.2 E)									
- Point									
Woolley-Sosa 2A-7H-E1	0.00	0.00	7,740.0	-7,913.9	-448.2	1,259,601.31	3,124,519.34	40.045130	-105.055258
- plan hits target center									
- Point									

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>North Reference:</b>	True
<b>Well:</b>	Woolley-Sosa 2A-7H-E168	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #3		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
400.0	400.0	Fox Hills - BASE				
4,438.0	4,419.5	Sussex				
5,005.0	4,983.8	Shannon				
6,528.0	6,499.5	Teepee Buttes (*if present)				
7,320.0	7,287.3	Sharon Springs				
7,371.0	7,336.5	Niobrara				
7,487.0	7,443.0	B Chalk				
7,515.0	7,467.1	B Marl				
7,601.0	7,536.7	C Chalk				
7,625.0	7,554.6	C Marl				
7,656.0	7,576.9	D Chalk				
7,711.0	7,613.3	Fort Hayes				
7,733.0	7,626.8	Codell				
7,754.0	7,639.0	Fairport				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
200.0	200.0	0.0	0.0	KOP @ 200'	
760.9	760.0	21.3	-17.2	EOB; Inc=5.61°	
7,156.2	7,124.7	507.4	-410.2	Start build/turn @ 7156' MD	
8,099.8	7,740.0	-63.9	-448.2	LP @ 7740' TVD; 90°	
15,949.8	7,740.0	-7,913.9	-448.2	TD at 15949.8	

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

**DJ Wattenberg**

**S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)**

**Woolley-Sosa 2A-7H-E168**

**Hz**

**Plan #3**

## **Anticollision Report**

**25 June, 2015**



## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #3		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	Stations	<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 10,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>		<b>Date</b>	6/25/2015		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	15,949.8	Plan #3 (Hz)	Geolink MWD	Geolink MWD	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance		Separation Factor	Warning
Offset Well - Wellbore - Design			Between Centres (ft)	Between Ellipses (ft)		
S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)						
Sosa 11-18 - DD - DD	11,639.9	7,835.4	456.6	372.1	5.404	CC, ES, SF
Sosa 12-18 - DD - DD	13,274.3	7,879.6	459.5	343.0	3.943	CC, ES, SF
SOSAA UNIT 1 (EXISTING) - EXISTING - EXISTING	12,334.1	7,719.0	955.8	863.9	10.405	CC, ES
SOSAA UNIT 1 (EXISTING) - EXISTING - EXISTING	12,400.0	7,719.5	958.0	865.7	10.379	SF
THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SURVEY	11,044.6	7,811.9	1,207.1	1,132.8	16.252	CC, ES
THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SURVEY	11,100.0	7,811.7	1,208.3	1,133.8	16.202	SF
Thomas 7-12 (Existing) - Existing - NO SURVEYS	9,019.1	7,728.0	437.3	400.3	11.803	CC, ES, SF
THOMAS E UNIT 1 (EXISTING) - Existing - NO SURVEY	9,235.1	7,734.0	1,399.6	1,359.4	34.802	CC, ES
THOMAS E UNIT 1 (EXISTING) - Existing - NO SURVEY	9,600.0	7,734.0	1,446.4	1,403.0	33.318	SF
WOOLLEY 11-7 (EXISTING) - ENCANA WELL - SURVE	7,174.2	7,329.6	1,197.7	1,157.1	29.458	CC, ES
WOOLLEY 11-7 (EXISTING) - ENCANA WELL - SURVE	7,200.0	7,356.1	1,198.3	1,157.5	29.414	SF
WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SU	1,674.9	1,757.6	64.2	57.5	9.632	CC
WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SU	1,700.0	1,782.6	64.2	57.5	9.492	ES
WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SU	1,900.0	1,981.7	67.8	60.3	9.024	SF
Woolley-Becky 2A-7H-E168 - Hz - Plan #3	487.9	489.9	51.8	50.1	30.882	CC
Woolley-Becky 2A-7H-E168 - Hz - Plan #3	7,814.5	7,803.8	67.9	39.7	2.406	ES, SF
Woolley-Becky 2B-7H-E168 - Hz - Plan #3	200.0	200.0	59.9	59.2	91.758	CC, ES
Woolley-Becky 2B-7H-E168 - Hz - Plan #3	7,500.0	7,773.0	511.7	481.0	16.647	SF
Woolley-Becky 2C-7H-E168 - Hz - Plan #5	200.0	200.0	67.5	66.8	103.335	CC, ES
Woolley-Becky 2C-7H-E168 - Hz - Plan #5	7,650.0	7,813.6	888.9	860.0	30.756	SF
Woolley-Becky 2D-7H-E168 - Hz - Plan #5	200.0	200.0	75.0	74.4	114.911	CC, ES
Woolley-Becky 2D-7H-E168 - Hz - Plan #5	7,350.0	7,794.1	1,158.9	1,127.9	37.425	SF
Woolley-Becky 2E-7H-E168 - Hz - Plan #3	200.0	200.0	82.6	81.9	126.488	CC, ES
Woolley-Becky 2E-7H-E168 - Hz - Plan #3	800.0	791.2	118.6	115.8	42.633	SF
Woolley-Becky 2F-7H-E168 - Hz - Plan #4	200.0	200.0	90.1	89.5	138.068	CC, ES
Woolley-Becky 2F-7H-E168 - Hz - Plan #4	900.0	885.1	149.0	145.8	47.224	SF
Woolley-Becky 2G-7H-E168 - Hz - Plan #3	200.0	200.0	97.4	96.7	149.215	CC, ES
Woolley-Becky 2G-7H-E168 - Hz - Plan #3	900.0	881.8	163.1	160.0	52.190	SF
Woolley-Becky 2H-7H-E168 - Hz - Plan #4	200.0	200.0	105.0	104.3	160.792	CC, ES
Woolley-Becky 2H-7H-E168 - Hz - Plan #4	1,000.0	974.4	195.4	191.9	55.929	SF
Woolley-Sosa 2B-7H-E168 - HZ - Plan #3	200.0	200.0	7.6	6.9	11.577	CC, ES
Woolley-Sosa 2B-7H-E168 - HZ - Plan #3	15,949.8	15,696.2	445.0	205.7	1.859	SF
Woolley-Sosa 2C-7H-E168 - HZ - Plan #3	200.0	200.0	15.1	14.5	23.153	CC, ES
Woolley-Sosa 2C-7H-E168 - HZ - Plan #3	15,949.8	15,942.0	738.6	456.0	2.614	SF
Woolley-Sosa 2D-7H-E168 - HZ - Plan #3	200.0	200.0	22.4	21.7	34.301	CC, ES
Woolley-Sosa 2D-7H-E168 - HZ - Plan #3	15,949.8	15,788.7	1,091.7	815.9	3.958	SF
Woolley-Sosa 2E-7H-E168 - HZ - Plan #4	200.0	200.0	29.9	29.3	45.878	CC, ES
Woolley-Sosa 2E-7H-E168 - HZ - Plan #4	15,949.8	16,050.8	1,414.7	1,132.3	5.009	SF
Woolley-Sosa 2F-7H-E168 - HZ - Plan #3	200.0	200.0	37.5	36.9	57.455	CC, ES
Woolley-Sosa 2F-7H-E168 - HZ - Plan #3	15,949.8	15,817.7	1,781.2	1,501.1	6.360	SF
Woolley-Sosa 2G-7H-E168 - HZ - Plan #3	186.9	186.9	45.1	44.5	74.172	CC
Woolley-Sosa 2G-7H-E168 - HZ - Plan #3	200.0	200.0	45.1	44.4	68.949	ES
Woolley-Sosa 2G-7H-E168 - HZ - Plan #3	15,949.8	16,142.9	2,114.9	1,832.3	7.483	SF

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 11-18 - DD - DD													Offset Site Error: 0.0 ft	
Survey Program: 811-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	27.2	27.2	0.0	0.0	172.76	-4,267.5	542.2	4,301.8					
100.0	100.0	140.5	140.5	0.2	0.2	172.76	-4,267.2	542.1	4,301.6	4,301.2	0.39	N/A		
200.0	200.0	253.7	253.7	0.3	0.4	172.76	-4,266.7	541.9	4,301.0	4,300.3	0.76	5,647.067		
258.7	258.7	320.3	320.3	0.4	0.6	-148.28	-4,266.2	541.7	4,300.8	4,299.9	0.98	4,395.579		
300.0	300.0	367.0	367.0	0.5	0.6	-148.29	-4,265.7	541.6	4,300.9	4,299.8	1.13	3,803.772		
400.0	400.0	480.2	480.2	0.7	0.8	-148.30	-4,264.5	541.1	4,302.0	4,300.5	1.50	2,866.224		
500.0	499.9	593.5	593.4	0.9	1.0	-148.32	-4,262.9	540.5	4,304.3	4,302.4	1.87	2,297.627		
600.0	599.7	706.6	706.6	1.1	1.2	-148.34	-4,261.0	539.8	4,307.7	4,305.4	2.25	1,915.414		
700.0	699.4	988.0	987.7	1.3	1.8	-148.42	-4,252.1	534.3	4,312.2	4,309.3	2.93	1,473.508		
760.9	760.0	1,343.5	1,340.6	1.4	2.7	-148.34	-4,220.6	506.2	4,310.2	4,306.5	3.73	1,156.328		
800.0	798.9	1,509.3	1,503.9	1.5	3.2	-148.24	-4,199.3	487.5	4,308.1	4,304.0	4.16	1,036.652		
900.0	898.4	1,607.0	1,599.8	1.7	3.5	-148.17	-4,185.3	475.0	4,300.5	4,295.9	4.58	939.502		
1,000.0	998.0	1,647.3	1,639.4	2.0	3.6	-148.13	-4,179.8	469.8	4,293.6	4,288.7	4.87	881.911		
1,100.0	1,097.5	1,851.4	1,840.0	2.2	4.3	-148.00	-4,151.8	445.5	4,287.3	4,281.8	5.53	775.463		
1,200.0	1,197.0	1,924.0	1,911.3	2.5	4.6	-147.95	-4,140.8	436.7	4,279.0	4,273.1	5.90	725.123		
1,300.0	1,296.5	2,010.0	1,995.7	2.7	4.9	-147.88	-4,128.3	426.0	4,271.3	4,265.0	6.31	677.400		
1,400.0	1,396.0	2,133.3	2,116.8	2.9	5.3	-147.80	-4,110.1	411.2	4,263.4	4,256.6	6.79	627.550		
1,500.0	1,495.6	2,212.0	2,194.0	3.2	5.6	-147.74	-4,098.4	401.5	4,255.4	4,248.2	7.19	592.047		
1,600.0	1,595.1	2,275.0	2,255.9	3.4	5.9	-147.70	-4,089.6	393.6	4,248.2	4,240.7	7.54	563.123		
1,700.0	1,694.6	2,393.7	2,372.6	3.7	6.3	-147.62	-4,073.5	379.9	4,241.7	4,233.6	8.02	528.795		
1,800.0	1,794.1	2,520.1	2,496.8	3.9	6.7	-147.55	-4,054.6	365.7	4,233.6	4,225.1	8.52	497.077		
1,900.0	1,893.7	2,582.1	2,557.8	4.1	7.0	-147.51	-4,045.8	358.9	4,226.4	4,217.5	8.87	476.644		
2,000.0	1,993.2	2,719.0	2,692.2	4.4	7.5	-147.42	-4,025.7	342.6	4,218.5	4,209.1	9.40	448.722		
2,100.0	2,092.7	2,784.3	2,756.4	4.6	7.7	-147.38	-4,016.1	334.9	4,210.9	4,201.1	9.76	431.349		
2,200.0	2,192.2	2,909.0	2,879.0	4.9	8.2	-147.30	-3,998.5	320.5	4,203.8	4,193.5	10.26	409.583		
2,300.0	2,291.7	3,004.4	2,972.7	5.1	8.5	-147.23	-3,984.8	309.4	4,196.3	4,185.6	10.70	392.221		
2,400.0	2,391.3	3,100.0	3,066.7	5.4	8.8	-147.17	-3,971.0	298.1	4,188.8	4,177.7	11.14	376.167		
2,500.0	2,490.8	3,202.8	3,167.7	5.6	9.2	-147.10	-3,956.3	286.1	4,181.5	4,170.0	11.59	360.813		
2,600.0	2,590.3	3,290.0	3,253.4	5.8	9.5	-147.04	-3,943.8	275.9	4,174.1	4,162.1	12.01	347.613		
2,700.0	2,689.8	3,361.4	3,323.6	6.1	9.8	-147.00	-3,933.8	267.7	4,167.2	4,154.8	12.39	336.416		
2,800.0	2,789.3	3,504.8	3,464.6	6.3	10.3	-146.90	-3,913.8	251.0	4,160.3	4,147.4	12.94	321.463		
2,900.0	2,888.9	3,587.8	3,546.2	6.6	10.6	-146.84	-3,902.0	241.3	4,153.0	4,139.7	13.35	311.064		
3,000.0	2,988.4	3,687.1	3,643.8	6.8	11.0	-146.78	-3,887.9	229.9	4,145.9	4,132.1	13.80	300.468		
3,100.0	3,087.9	3,785.8	3,740.9	7.1	11.3	-146.72	-3,874.0	218.8	4,138.9	4,124.6	14.24	290.597		
3,200.0	3,187.4	3,916.2	3,869.1	7.3	11.8	-146.63	-3,855.2	203.5	4,131.4	4,116.6	14.77	279.754		
3,300.0	3,286.9	4,011.6	3,962.8	7.5	12.2	-146.57	-3,840.9	192.9	4,123.5	4,108.3	15.20	271.265		
3,400.0	3,386.5	4,097.4	4,047.1	7.8	12.5	-146.53	-3,828.3	183.7	4,116.0	4,100.4	15.61	263.672		
3,500.0	3,486.0	4,189.4	4,137.6	8.0	12.8	-146.48	-3,815.0	173.9	4,108.7	4,092.7	16.04	256.139		
3,600.0	3,585.5	4,268.6	4,215.5	8.3	13.1	-146.42	-3,803.9	164.5	4,101.7	4,085.3	16.45	249.335		
3,700.0	3,685.0	4,339.0	4,284.8	8.5	13.3	-146.37	-3,794.6	156.2	4,095.5	4,078.6	16.84	243.261		
3,800.0	3,784.6	4,433.0	4,377.4	8.8	13.7	-146.31	-3,782.3	145.7	4,089.5	4,072.3	17.27	236.794		
3,900.0	3,884.1	4,505.1	4,448.4	9.0	13.9	-146.27	-3,773.1	138.0	4,083.9	4,066.3	17.65	231.354		
4,000.0	3,983.6	4,640.8	4,582.2	9.3	14.4	-146.18	-3,755.9	123.1	4,078.4	4,060.2	18.19	224.211		
4,100.0	4,083.1	4,710.5	4,651.0	9.5	14.6	-146.14	-3,747.1	115.5	4,072.9	4,054.3	18.57	219.356		
4,200.0	4,182.6	4,811.0	4,750.1	9.7	14.9	-146.09	-3,734.6	105.1	4,067.6	4,048.6	19.01	213.994		
4,300.0	4,282.2	4,878.0	4,816.3	10.0	15.1	-146.06	-3,726.5	98.7	4,062.8	4,043.4	19.37	209.772		
4,400.0	4,381.7	4,948.2	4,885.8	10.2	15.4	-146.03	-3,718.6	92.4	4,058.8	4,039.0	19.73	205.727		
4,500.0	4,481.2	5,061.9	4,998.4	10.5	15.7	-146.00	-3,705.3	82.9	4,054.5	4,034.3	20.17	200.979		
4,600.0	4,580.7	5,118.1	5,054.0	10.7	15.9	-145.99	-3,699.2	78.4	4,051.0	4,030.5	20.50	197.595		
4,700.0	4,680.2	5,252.7	5,187.3	11.0	16.3	-145.94	-3,685.1	66.3	4,047.9	4,026.9	21.01	192.691		
4,800.0	4,779.8	5,323.0	5,256.9	11.2	16.5	-145.92	-3,677.3	60.0	4,044.3	4,022.9	21.37	189.243		
4,900.0	4,879.3	5,410.1	5,343.2	11.4	16.7	-145.89	-3,668.3	52.4	4,041.3	4,019.6	21.77	185.642		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 11-18 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 811-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			
5,000.0	4,978.8	5,505.3	5,437.6	11.7	17.0	-145.86	-3,658.5	44.3	4,038.4	4,016.2	22.18	182.071		
5,100.0	5,078.3	5,598.8	5,530.3	11.9	17.3	-145.84	-3,649.4	36.8	4,036.1	4,013.5	22.58	178.709		
5,200.0	5,177.9	5,685.8	5,616.6	12.2	17.5	-145.82	-3,640.8	30.0	4,033.7	4,010.7	22.97	175.620		
5,300.0	5,277.4	5,755.5	5,685.8	12.4	17.7	-145.81	-3,634.2	25.1	4,031.8	4,008.5	23.31	172.949		
5,400.0	5,376.9	5,801.0	5,731.0	12.7	17.8	-145.81	-3,630.3	21.9	4,030.8	4,007.2	23.60	170.769		
5,440.2	5,416.9	5,836.9	5,766.8	12.8	17.9	-145.80	-3,627.4	19.5	4,030.7	4,006.9	23.76	169.673		
5,500.0	5,476.4	5,867.2	5,796.9	12.9	18.0	-145.80	-3,625.2	17.6	4,030.9	4,007.0	23.93	168.422		
5,600.0	5,575.9	5,928.1	5,857.6	13.2	18.1	-145.80	-3,621.4	13.9	4,032.2	4,007.9	24.24	166.310		
5,700.0	5,675.5	5,992.1	5,921.4	13.4	18.2	-145.81	-3,617.8	10.8	4,034.3	4,009.7	24.55	164.321		
5,800.0	5,775.0	6,050.4	5,979.5	13.6	18.3	-145.83	-3,615.1	8.6	4,037.4	4,012.6	24.83	162.586		
5,900.0	5,874.5	6,120.0	6,049.1	13.9	18.4	-145.87	-3,612.4	7.3	4,041.5	4,016.4	25.12	160.906		
6,000.0	5,974.0	6,168.9	6,098.0	14.1	18.5	-145.90	-3,611.0	6.8	4,046.6	4,021.2	25.37	159.522		
6,100.0	6,073.5	6,229.9	6,158.9	14.4	18.5	-145.94	-3,609.9	6.2	4,052.8	4,027.1	25.63	158.098		
6,200.0	6,173.1	6,342.0	6,271.1	14.6	18.7	-146.02	-3,608.2	5.1	4,059.3	4,033.3	25.99	156.202		
6,300.0	6,272.6	6,406.0	6,335.1	14.9	18.8	-146.07	-3,607.2	5.1	4,065.9	4,039.7	26.25	154.908		
6,400.0	6,372.1	6,470.0	6,399.1	15.1	18.8	-146.13	-3,606.5	5.9	4,073.3	4,046.8	26.50	153.729		
6,500.0	6,471.6	6,548.0	6,477.1	15.4	18.9	-146.19	-3,606.4	6.4	4,081.4	4,054.6	26.79	152.350		
6,600.0	6,571.1	6,664.5	6,593.5	15.6	19.0	-146.27	-3,607.0	5.7	4,090.0	4,062.8	27.15	150.656		
6,700.0	6,670.7	6,769.8	6,698.8	15.8	19.1	-146.35	-3,606.9	5.6	4,098.0	4,070.5	27.48	149.117		
6,800.0	6,770.2	6,898.6	6,827.6	16.1	19.3	-146.45	-3,606.2	5.8	4,105.7	4,077.8	27.85	147.402		
6,900.0	6,869.7	6,993.9	6,922.9	16.3	19.4	-146.53	-3,605.5	6.1	4,113.1	4,084.9	28.17	146.025		
7,000.0	6,969.2	7,082.5	7,011.5	16.6	19.5	-146.60	-3,604.9	6.5	4,120.6	4,092.1	28.47	144.736		
7,100.0	7,068.8	7,194.7	7,123.7	16.8	19.6	-146.69	-3,604.3	7.0	4,128.3	4,099.5	28.81	143.281		
7,156.2	7,124.7	7,252.6	7,181.6	17.0	19.7	-146.74	-3,603.8	7.2	4,132.5	4,103.5	29.00	142.510		
7,200.0	7,168.4	7,292.7	7,221.7	17.0	19.7	-95.48	-3,603.5	7.4	4,134.1	4,104.9	29.14	141.887		
7,250.0	7,218.2	7,342.0	7,271.0	17.1	19.8	-41.11	-3,603.1	7.6	4,131.9	4,102.6	29.30	141.005		
7,300.0	7,267.7	7,381.4	7,310.4	17.1	19.8	-25.57	-3,602.9	7.7	4,125.4	4,095.9	29.46	140.050		
7,350.0	7,316.4	7,423.6	7,352.6	17.1	19.9	-19.60	-3,602.7	7.8	4,114.8	4,085.1	29.62	138.930		
7,400.0	7,363.9	7,464.7	7,393.8	17.0	19.9	-16.65	-3,602.6	7.9	4,100.0	4,070.2	29.78	137.680		
7,450.0	7,410.0	7,504.7	7,433.7	16.9	20.0	-15.03	-3,602.6	8.0	4,081.2	4,051.3	29.94	136.308		
7,500.0	7,454.3	7,543.1	7,472.1	16.8	20.0	-14.14	-3,602.6	8.1	4,058.6	4,028.5	30.10	134.822		
7,550.0	7,496.3	7,579.7	7,508.7	16.7	20.1	-13.72	-3,602.7	8.2	4,032.3	4,002.0	30.26	133.232		
7,600.0	7,535.9	7,633.0	7,562.0	16.5	20.1	-13.72	-3,602.9	8.3	4,002.5	3,972.0	30.46	131.406		
7,650.0	7,572.7	7,647.1	7,576.1	16.4	20.1	-13.93	-3,603.0	8.4	3,969.3	3,938.7	30.59	129.771		
7,700.0	7,606.4	7,678.4	7,607.4	16.3	20.2	-14.53	-3,603.1	8.4	3,933.1	3,902.3	30.75	127.912		
7,750.0	7,636.7	7,706.7	7,635.7	16.2	20.2	-15.52	-3,603.3	8.4	3,894.1	3,863.1	30.91	125.993		
7,800.0	7,663.5	7,732.7	7,661.7	16.1	20.2	-17.01	-3,603.5	8.4	3,852.5	3,821.5	31.06	124.021		
7,850.0	7,686.5	7,757.8	7,686.9	16.0	20.2	-19.24	-3,603.6	8.4	3,808.8	3,777.6	31.22	121.994		
7,900.0	7,705.6	7,778.7	7,707.8	16.0	20.3	-22.63	-3,603.8	8.4	3,763.2	3,731.9	31.37	119.951		
7,950.0	7,720.6	7,795.2	7,724.2	16.0	20.3	-28.04	-3,603.9	8.4	3,716.1	3,684.6	31.52	117.902		
8,000.0	7,731.4	7,807.1	7,736.1	16.0	20.3	-37.43	-3,603.9	8.4	3,667.8	3,636.2	31.66	115.862		
8,050.0	7,737.8	7,814.4	7,743.4	16.1	20.3	-55.33	-3,604.0	8.4	3,618.7	3,586.9	31.79	113.840		
8,099.8	7,740.0	7,817.0	7,746.0	16.2	20.3	-87.74	-3,604.0	8.3	3,569.5	3,537.5	31.91	111.858		
8,200.0	7,740.0	7,817.5	7,746.5	16.6	20.3	-87.81	-3,604.0	8.3	3,470.1	3,437.9	32.15	107.920		
8,300.0	7,740.0	7,818.1	7,747.1	17.2	20.3	-87.88	-3,604.0	8.3	3,371.0	3,338.6	32.40	104.035		
8,400.0	7,740.0	7,818.6	7,747.7	17.9	20.3	-87.95	-3,604.0	8.3	3,271.9	3,239.3	32.66	100.193		
8,500.0	7,740.0	7,819.2	7,748.2	18.8	20.3	-88.02	-3,604.0	8.3	3,172.9	3,140.0	32.92	96.391		
8,600.0	7,740.0	7,819.7	7,748.8	19.8	20.3	-88.09	-3,604.0	8.3	3,074.0	3,040.8	33.19	92.630		
8,700.0	7,740.0	7,820.3	7,749.3	20.9	20.3	-88.15	-3,604.0	8.3	2,975.2	2,941.7	33.46	88.908		
8,800.0	7,740.0	7,820.8	7,749.8	22.0	20.3	-88.22	-3,604.0	8.3	2,876.4	2,842.6	33.75	85.223		
8,900.0	7,740.0	7,821.4	7,750.4	23.3	20.3	-88.29	-3,604.0	8.3	2,777.7	2,743.6	34.05	81.575		
9,000.0	7,740.0	7,821.9	7,750.9	24.6	20.3	-88.36	-3,604.0	8.3	2,679.1	2,644.7	34.36	77.963		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 11-18 - DD - DD													Offset Site Error: 0.0 ft	
Survey Program: 811-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,100.0	7,740.0	7,822.5	7,751.5	25.9	20.3	-88.43	-3,604.0	8.3	2,580.6	2,545.9	34.69	74.385		
9,200.0	7,740.0	7,823.0	7,752.0	27.3	20.3	-88.49	-3,604.0	8.3	2,482.3	2,447.2	35.04	70.842		
9,300.0	7,740.0	7,823.5	7,752.5	28.8	20.3	-88.56	-3,604.0	8.3	2,384.0	2,348.6	35.41	67.331		
9,400.0	7,740.0	7,824.1	7,753.1	30.3	20.3	-88.63	-3,604.0	8.3	2,286.0	2,250.2	35.80	63.854		
9,500.0	7,740.0	7,824.6	7,753.6	31.8	20.3	-88.69	-3,604.0	8.3	2,188.1	2,151.9	36.22	60.409		
9,600.0	7,740.0	7,825.1	7,754.1	33.3	20.3	-88.76	-3,604.0	8.3	2,090.4	2,053.7	36.68	56.996		
9,700.0	7,740.0	7,825.6	7,754.7	34.8	20.3	-88.83	-3,604.0	8.3	1,992.9	1,955.8	37.17	53.617		
9,800.0	7,740.0	7,826.2	7,755.2	36.4	20.3	-88.89	-3,604.0	8.3	1,895.7	1,858.0	37.71	50.271		
9,900.0	7,740.0	7,826.7	7,755.7	38.0	20.3	-88.96	-3,604.0	8.3	1,798.8	1,760.5	38.31	46.960		
10,000.0	7,740.0	7,827.2	7,756.2	39.6	20.3	-89.02	-3,604.0	8.3	1,702.3	1,663.3	38.97	43.685		
10,100.0	7,740.0	7,827.7	7,756.7	41.2	20.3	-89.09	-3,604.0	8.3	1,606.2	1,566.5	39.71	40.449		
10,200.0	7,740.0	7,828.2	7,757.3	42.8	20.3	-89.15	-3,604.0	8.3	1,510.6	1,470.0	40.55	37.256		
10,300.0	7,740.0	7,828.7	7,757.8	44.5	20.3	-89.22	-3,604.0	8.3	1,415.6	1,374.1	41.50	34.110		
10,400.0	7,740.0	7,829.3	7,758.3	46.1	20.3	-89.28	-3,604.0	8.3	1,321.3	1,278.7	42.60	31.018		
10,500.0	7,740.0	7,829.8	7,758.8	47.8	20.3	-89.34	-3,604.0	8.3	1,228.0	1,184.1	43.87	27.989		
10,600.0	7,740.0	7,830.3	7,759.3	49.4	20.3	-89.41	-3,604.0	8.3	1,135.7	1,090.4	45.37	25.034		
10,700.0	7,740.0	7,830.8	7,759.8	51.1	20.3	-89.47	-3,604.0	8.3	1,045.0	997.8	47.14	22.168		
10,800.0	7,740.0	7,831.3	7,760.3	52.7	20.3	-89.54	-3,604.0	8.3	956.0	906.8	49.25	19.410		
10,900.0	7,740.0	7,831.8	7,760.8	54.4	20.3	-89.60	-3,604.1	8.3	869.5	817.7	51.81	16.783		
11,000.0	7,740.0	7,832.3	7,761.3	56.1	20.3	-89.66	-3,604.1	8.3	786.1	731.2	54.90	14.319		
11,100.0	7,740.0	7,832.8	7,761.8	57.8	20.3	-89.72	-3,604.1	8.3	707.1	648.4	58.66	12.054		
11,200.0	7,740.0	7,833.3	7,762.3	59.5	20.3	-89.79	-3,604.1	8.3	634.0	570.8	63.19	10.034		
11,300.0	7,740.0	7,833.8	7,762.8	61.2	20.3	-89.85	-3,604.1	8.3	569.2	500.7	68.48	8.312		
11,400.0	7,740.0	7,834.3	7,763.3	62.9	20.3	-89.91	-3,604.1	8.3	515.8	441.5	74.27	6.944		
11,500.0	7,740.0	7,834.8	7,763.8	64.6	20.3	-89.97	-3,604.1	8.3	477.5	397.8	79.77	5.986		
11,600.0	7,740.0	7,835.2	7,764.3	66.3	20.3	-90.03	-3,604.1	8.3	458.3	374.6	83.67	5.478		
11,639.9	7,740.0	7,835.4	7,764.5	66.9	20.3	-90.06	-3,604.1	8.3	456.6	372.1	84.48	5.404 CC, ES, SF		
11,700.0	7,740.0	7,835.7	7,764.7	68.0	20.3	-90.09	-3,604.1	8.3	460.5	375.7	84.77	5.433		
11,800.0	7,740.0	7,836.2	7,765.2	69.7	20.3	-90.15	-3,604.1	8.3	483.8	400.9	82.89	5.837		
11,900.0	7,740.0	7,836.7	7,765.7	71.4	20.3	-90.21	-3,604.1	8.3	525.4	446.5	78.95	6.655		
12,000.0	7,740.0	7,837.2	7,766.2	73.1	20.3	-90.27	-3,604.1	8.3	581.4	507.3	74.19	7.837		
12,100.0	7,740.0	7,837.7	7,766.7	74.8	20.3	-90.33	-3,604.1	8.3	648.1	578.7	69.47	9.330		
12,200.0	7,740.0	7,838.1	7,767.2	76.5	20.3	-90.39	-3,604.1	8.3	722.6	657.4	65.21	11.081		
12,300.0	7,740.0	7,838.6	7,767.6	78.2	20.3	-90.45	-3,604.1	8.3	802.6	741.0	61.54	13.042		
12,400.0	7,740.0	7,839.1	7,768.1	79.9	20.3	-90.51	-3,604.1	8.3	886.6	828.2	58.45	15.168		
12,500.0	7,740.0	7,839.6	7,768.6	81.7	20.3	-90.57	-3,604.1	8.3	973.7	917.8	55.88	17.424		
12,600.0	7,740.0	7,840.0	7,769.0	83.4	20.3	-90.63	-3,604.1	8.3	1,063.1	1,009.3	53.75	19.778		
12,700.0	7,740.0	7,840.5	7,769.5	85.1	20.3	-90.69	-3,604.1	8.3	1,154.2	1,102.2	51.98	22.204		
12,800.0	7,740.0	7,841.0	7,770.0	86.8	20.3	-90.75	-3,604.1	8.3	1,246.7	1,196.1	50.51	24.683		
12,900.0	7,740.0	7,841.4	7,770.4	88.6	20.3	-90.81	-3,604.1	8.3	1,340.2	1,290.9	49.28	27.196		
13,000.0	7,740.0	7,841.9	7,770.9	90.3	20.3	-90.87	-3,604.1	8.3	1,434.6	1,386.4	48.25	29.732		
13,100.0	7,740.0	7,842.3	7,771.4	92.0	20.3	-90.92	-3,604.1	8.3	1,529.8	1,482.4	47.39	32.281		
13,200.0	7,740.0	7,842.8	7,771.8	93.7	20.3	-90.98	-3,604.1	8.3	1,625.5	1,578.8	46.66	34.833		
13,300.0	7,740.0	7,843.3	7,772.3	95.5	20.3	-91.04	-3,604.1	8.3	1,721.7	1,675.6	46.05	37.383		
13,400.0	7,740.0	7,843.7	7,772.7	97.2	20.3	-91.10	-3,604.1	8.3	1,818.3	1,772.7	45.54	39.927		
13,500.0	7,740.0	7,844.2	7,773.2	98.9	20.3	-91.15	-3,604.1	8.3	1,915.2	1,870.1	45.11	42.460		
13,600.0	7,740.0	7,844.6	7,773.6	100.7	20.3	-91.21	-3,604.1	8.3	2,012.5	1,967.8	44.74	44.981		
13,700.0	7,740.0	7,845.1	7,774.1	102.4	20.3	-91.27	-3,604.1	8.3	2,110.0	2,065.6	44.43	47.488		
13,800.0	7,740.0	7,845.5	7,774.5	104.1	20.4	-91.32	-3,604.1	8.3	2,207.8	2,163.6	44.17	49.978		
13,900.0	7,740.0	7,846.0	7,775.0	105.9	20.4	-91.38	-3,604.1	8.3	2,305.7	2,261.7	43.96	52.452		
14,000.0	7,740.0	7,846.4	7,775.4	107.6	20.4	-91.43	-3,604.1	8.3	2,403.8	2,360.0	43.78	54.908		
14,100.0	7,740.0	7,846.9	7,775.9	109.3	20.4	-91.49	-3,604.1	8.3	2,502.0	2,458.4	43.63	57.346		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 11-18 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 811-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		
14,200.0	7,740.0	7,847.3	7,776.3	111.1	20.4	-91.55	-3,604.1	8.3	2,600.4	2,556.9	43.51	59.766		
14,300.0	7,740.0	7,847.8	7,776.8	112.8	20.4	-91.60	-3,604.1	8.3	2,698.9	2,655.5	43.41	62.168		
14,400.0	7,740.0	7,848.2	7,777.2	114.5	20.4	-91.66	-3,604.1	8.3	2,797.5	2,754.2	43.34	64.551		
14,500.0	7,740.0	7,848.6	7,777.6	116.3	20.4	-91.71	-3,604.1	8.3	2,896.2	2,853.0	43.28	66.917		
14,600.0	7,740.0	7,849.1	7,778.1	118.0	20.4	-91.77	-3,604.1	8.3	2,995.0	2,951.8	43.24	69.264		
14,700.0	7,740.0	7,849.5	7,778.5	119.7	20.4	-91.82	-3,604.1	8.3	3,093.9	3,050.7	43.21	71.594		
14,800.0	7,740.0	7,849.9	7,779.0	121.5	20.4	-91.87	-3,604.1	8.3	3,192.8	3,149.6	43.20	73.906		
14,900.0	7,740.0	7,850.4	7,779.4	123.2	20.4	-91.93	-3,604.1	8.3	3,291.8	3,248.6	43.20	76.201		
15,000.0	7,740.0	7,850.8	7,779.8	125.0	20.4	-91.98	-3,604.1	8.3	3,390.9	3,347.7	43.21	78.480		
15,100.0	7,740.0	7,851.2	7,780.2	126.7	20.4	-92.04	-3,604.1	8.3	3,490.0	3,446.8	43.22	80.741		
15,200.0	7,740.0	7,851.7	7,780.7	128.4	20.4	-92.09	-3,604.1	8.3	3,589.2	3,545.9	43.25	82.986		
15,300.0	7,740.0	7,852.1	7,781.1	130.2	20.4	-92.14	-3,604.1	8.3	3,688.4	3,645.1	43.28	85.215		
15,400.0	7,740.0	7,852.5	7,781.5	131.9	20.4	-92.20	-3,604.1	8.3	3,787.6	3,744.3	43.32	87.429		
15,500.0	7,740.0	7,852.9	7,781.9	133.7	20.4	-92.25	-3,604.2	8.3	3,886.9	3,843.5	43.37	89.627		
15,600.0	7,740.0	7,853.3	7,782.4	135.4	20.4	-92.30	-3,604.2	8.3	3,986.2	3,942.8	43.42	91.809		
15,700.0	7,740.0	7,853.8	7,782.8	137.2	20.4	-92.35	-3,604.2	8.3	4,085.6	4,042.1	43.47	93.977		
15,800.0	7,740.0	7,854.2	7,783.2	138.9	20.4	-92.41	-3,604.2	8.3	4,185.0	4,141.4	43.53	96.130		
15,900.0	7,740.0	7,854.6	7,783.6	140.6	20.4	-92.46	-3,604.2	8.3	4,284.4	4,240.8	43.60	98.268		
15,949.8	7,740.0	7,854.8	7,783.8	141.5	20.4	-92.49	-3,604.2	8.3	4,333.9	4,290.3	43.63	99.327		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 12-18 - DD - DD													Offset Site Error: 0.0 ft			
Survey Program: 56-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	17.3	17.3	0.0	0.0	172.35	-4,267.5	573.0	4,305.8							
100.0	100.0	99.4	99.4	0.2	0.1	172.37	-4,268.0	572.1	4,306.2	4,305.9	0.30	N/A				
200.0	200.0	196.3	196.3	0.3	0.3	172.38	-4,268.7	570.8	4,306.8	4,306.1	0.65	6,668.843				
300.0	300.0	268.0	268.0	0.5	0.4	-148.65	-4,269.5	570.1	4,308.5	4,307.5	0.95	4,552.919				
400.0	400.0	339.4	339.4	0.7	0.6	-148.63	-4,270.6	569.7	4,312.3	4,311.0	1.25	3,457.501				
500.0	499.9	396.3	396.3	0.9	0.7	-148.61	-4,272.1	569.1	4,318.4	4,316.9	1.53	2,831.498				
600.0	599.7	450.0	449.9	1.1	0.8	-148.57	-4,274.1	568.6	4,327.2	4,325.4	1.80	2,403.097				
700.0	699.4	490.2	490.0	1.3	0.9	-148.53	-4,276.1	568.1	4,338.6	4,336.5	2.06	2,110.145				
760.9	760.0	511.0	510.8	1.4	0.9	-148.49	-4,277.3	567.9	4,346.9	4,344.7	2.21	1,969.896				
800.0	798.9	546.8	546.6	1.5	1.0	-148.50	-4,279.6	567.5	4,352.6	4,350.2	2.34	1,856.181				
900.0	898.4	606.0	605.6	1.7	1.1	-148.52	-4,283.7	566.5	4,367.6	4,364.9	2.64	1,654.443				
1,000.0	998.0	668.0	667.4	2.0	1.2	-148.54	-4,288.5	565.3	4,383.3	4,380.4	2.94	1,490.250				
1,100.0	1,097.5	764.4	763.4	2.2	1.4	-148.56	-4,296.7	563.1	4,399.8	4,396.5	3.31	1,329.629				
1,200.0	1,197.0	859.4	858.1	2.5	1.6	-148.58	-4,304.6	560.7	4,416.0	4,412.4	3.68	1,201.597				
1,300.0	1,296.5	919.3	917.7	2.7	1.8	-148.59	-4,310.1	559.2	4,433.0	4,429.0	3.98	1,114.929				
1,400.0	1,396.0	969.4	967.6	2.9	1.9	-148.60	-4,315.1	557.7	4,450.9	4,446.6	4.26	1,045.112				
1,500.0	1,495.6	1,004.0	1,001.9	3.2	2.0	-148.60	-4,318.9	556.7	4,469.9	4,465.4	4.51	991.006				
1,600.0	1,595.1	1,068.0	1,065.3	3.4	2.2	-148.60	-4,327.0	554.7	4,490.2	4,485.4	4.82	931.307				
1,700.0	1,694.6	1,097.5	1,094.5	3.7	2.3	-148.60	-4,331.1	553.7	4,511.6	4,506.6	5.06	891.228				
1,800.0	1,794.1	1,133.0	1,129.6	3.9	2.4	-148.60	-4,336.4	552.5	4,534.3	4,529.0	5.31	853.241				
1,900.0	1,893.7	1,197.0	1,192.7	4.1	2.6	-148.59	-4,346.8	550.1	4,558.1	4,552.5	5.63	809.745				
2,000.0	1,993.2	1,240.1	1,235.1	4.4	2.7	-148.58	-4,354.3	547.9	4,582.9	4,576.9	5.90	776.302				
2,100.0	2,092.7	1,317.2	1,310.6	4.6	3.0	-148.53	-4,368.7	542.2	4,608.4	4,602.2	6.27	735.269				
2,200.0	2,192.2	1,420.0	1,411.0	4.9	3.4	-148.42	-4,387.9	531.0	4,633.7	4,627.0	6.73	688.921				
2,300.0	2,291.7	1,481.3	1,470.7	5.1	3.6	-148.35	-4,399.6	523.4	4,659.5	4,652.4	7.07	658.623				
2,400.0	2,391.3	1,557.5	1,544.7	5.4	4.0	-148.26	-4,415.1	514.2	4,686.2	4,678.7	7.47	627.549				
2,500.0	2,490.8	1,642.0	1,626.9	5.6	4.3	-148.16	-4,432.1	504.2	4,712.8	4,704.9	7.89	597.603				
2,600.0	2,590.3	1,691.3	1,674.8	5.8	4.5	-148.10	-4,442.3	498.4	4,740.2	4,732.0	8.21	577.616				
2,700.0	2,689.8	1,738.0	1,720.0	6.1	4.8	-148.04	-4,452.6	492.7	4,768.6	4,760.1	8.52	559.881				
2,800.0	2,789.3	1,833.9	1,812.5	6.3	5.2	-147.92	-4,474.3	480.5	4,797.7	4,788.7	8.99	533.597				
2,900.0	2,888.9	1,991.5	1,965.3	6.6	5.9	-147.73	-4,508.4	461.3	4,825.7	4,816.1	9.65	500.165				
3,000.0	2,988.4	2,107.3	2,077.6	6.8	6.4	-147.59	-4,532.6	447.3	4,853.2	4,843.0	10.19	476.455				
3,100.0	3,087.9	2,189.8	2,157.6	7.1	6.8	-147.49	-4,549.9	436.9	4,880.7	4,870.0	10.62	459.622				
3,200.0	3,187.4	2,317.8	2,282.0	7.3	7.3	-147.35	-4,576.2	421.6	4,907.8	4,896.6	11.18	438.899				
3,300.0	3,286.9	2,490.6	2,449.9	7.5	8.1	-147.16	-4,610.5	400.3	4,934.4	4,922.5	11.92	413.880				
3,400.0	3,386.5	2,630.0	2,585.5	7.8	8.7	-146.98	-4,636.4	380.9	4,959.6	4,947.0	12.55	395.112				
3,500.0	3,486.0	2,680.9	2,635.2	8.0	8.9	-146.93	-4,645.7	374.7	4,984.7	4,971.8	12.88	387.154				
3,600.0	3,585.5	2,724.0	2,677.2	8.3	9.1	-146.89	-4,654.0	369.7	5,010.8	4,997.6	13.17	380.413				
3,700.0	3,685.0	2,788.0	2,739.4	8.5	9.4	-146.82	-4,666.9	362.1	5,037.6	5,024.1	13.55	371.868				
3,800.0	3,784.6	2,852.3	2,801.7	8.8	9.7	-146.75	-4,680.4	353.8	5,065.2	5,051.3	13.92	363.836				
3,900.0	3,884.1	2,942.6	2,889.2	9.0	10.1	-146.64	-4,699.7	342.2	5,093.2	5,078.8	14.38	354.129				
4,000.0	3,983.6	3,084.4	3,026.6	9.3	10.8	-146.48	-4,729.2	324.0	5,120.7	5,105.7	15.02	340.908				
4,100.0	4,083.1	3,201.0	3,139.8	9.5	11.3	-146.36	-4,752.9	308.9	5,147.7	5,132.1	15.57	330.599				
4,200.0	4,182.6	3,298.6	3,234.6	9.7	11.7	-146.25	-4,772.5	296.5	5,174.6	5,158.5	16.05	322.369				
4,300.0	4,282.2	3,400.8	3,334.0	10.0	12.2	-146.15	-4,792.8	284.2	5,201.2	5,184.6	16.54	314.422				
4,400.0	4,381.7	3,466.9	3,398.3	10.2	12.5	-146.09	-4,806.0	276.1	5,228.0	5,211.1	16.92	309.027				
4,500.0	4,481.2	3,608.5	3,535.8	10.5	13.1	-145.94	-4,834.5	258.2	5,254.9	5,237.4	17.55	299.468				
4,600.0	4,580.7	3,678.0	3,603.4	10.7	13.4	-145.87	-4,848.3	249.4	5,281.7	5,263.7	17.94	294.462				
4,700.0	4,680.2	3,805.0	3,726.6	11.0	14.0	-145.74	-4,874.2	233.2	5,309.0	5,290.5	18.52	286.683				
4,800.0	4,779.8	3,876.2	3,795.9	11.2	14.3	-145.67	-4,888.2	224.2	5,335.5	5,316.6	18.91	282.131				
4,900.0	4,879.3	4,047.1	3,962.2	11.4	15.1	-145.51	-4,921.2	203.4	5,361.8	5,342.2	19.62	273.223				
5,000.0	4,978.8	4,126.5	4,039.7	11.7	15.4	-145.44	-4,935.9	193.8	5,387.3	5,367.2	20.04	268.817				

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 12-18 - DD - DD													Offset Site Error: 0.0 ft			
Survey Program: 56-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	5,078.3	4,186.0	4,097.6	11.9	15.7	-145.39	-4,947.4	186.4	5,413.5	5,393.1	20.39	265.476				
5,200.0	5,177.9	4,310.2	4,218.6	12.2	16.2	-145.28	-4,971.4	171.5	5,439.7	5,418.7	20.95	259.680				
5,300.0	5,277.4	4,498.7	4,402.4	12.4	17.0	-145.12	-5,006.3	148.9	5,465.4	5,443.7	21.71	251.772				
5,400.0	5,376.9	4,614.5	4,515.8	12.7	17.4	-145.03	-5,025.9	136.2	5,489.4	5,467.2	22.22	246.993				
5,500.0	5,476.4	4,702.8	4,602.2	12.9	17.8	-144.96	-5,041.0	125.9	5,513.6	5,490.9	22.67	243.255				
5,600.0	5,575.9	4,790.3	4,687.7	13.2	18.2	-144.89	-5,056.0	115.0	5,537.7	5,514.6	23.10	239.700				
5,700.0	5,675.5	4,854.0	4,750.0	13.4	18.4	-144.84	-5,067.2	107.7	5,562.4	5,538.9	23.45	237.171				
5,800.0	5,775.0	5,168.4	5,059.1	13.6	19.5	-144.69	-5,116.3	78.8	5,584.8	5,560.3	24.49	228.021				
5,900.0	5,874.5	5,320.3	5,209.2	13.9	20.0	-144.63	-5,136.8	66.1	5,605.6	5,580.5	25.06	223.674				
6,000.0	5,974.0	5,497.4	5,384.2	14.1	20.6	-144.57	-5,158.6	51.6	5,625.4	5,599.7	25.69	218.984				
6,100.0	6,073.5	5,552.0	5,438.4	14.4	20.7	-144.55	-5,164.9	47.4	5,644.5	5,618.5	25.99	217.154				
6,200.0	6,173.1	5,615.3	5,501.0	14.6	20.9	-144.53	-5,172.7	42.9	5,664.2	5,637.9	26.32	215.225				
6,300.0	6,272.6	5,902.0	5,785.3	14.9	21.7	-144.48	-5,204.4	23.8	5,682.6	5,655.4	27.17	209.140				
6,400.0	6,372.1	5,971.8	5,854.6	15.1	21.9	-144.47	-5,211.1	19.3	5,699.7	5,672.2	27.51	207.199				
6,500.0	6,471.6	6,579.1	6,460.3	15.4	22.9	-144.63	-5,242.0	2.5	5,711.8	5,683.1	28.71	198.951				
6,600.0	6,571.1	6,677.1	6,558.3	15.6	23.0	-144.70	-5,242.6	3.5	5,720.5	5,691.4	29.03	197.063				
6,700.0	6,670.7	6,835.1	6,716.3	15.8	23.1	-144.81	-5,242.4	5.3	5,728.3	5,698.9	29.41	194.747				
6,800.0	6,770.2	6,942.6	6,823.8	16.1	23.2	-144.88	-5,242.0	6.6	5,736.0	5,706.3	29.75	192.825				
6,900.0	6,869.7	7,041.4	6,922.6	16.3	23.2	-144.94	-5,241.4	7.2	5,743.5	5,713.4	30.08	190.971				
7,000.0	6,969.2	7,119.9	7,001.1	16.6	23.3	-144.99	-5,241.1	7.7	5,751.2	5,720.8	30.38	189.317				
7,100.0	7,068.8	7,228.7	7,109.9	16.8	23.4	-145.06	-5,241.0	8.7	5,759.2	5,728.5	30.72	187.490				
7,156.2	7,124.7	7,310.0	7,191.2	17.0	23.5	-145.11	-5,240.5	9.1	5,763.4	5,732.4	30.93	186.310				
7,200.0	7,168.4	7,354.0	7,235.2	17.0	23.5	-93.85	-5,240.2	9.2	5,764.9	5,733.8	31.08	185.464				
7,250.0	7,218.2	7,399.9	7,281.1	17.1	23.5	-39.46	-5,239.9	9.3	5,762.6	5,731.3	31.25	184.388				
7,300.0	7,267.7	7,442.6	7,323.7	17.1	23.6	-23.88	-5,239.6	9.3	5,756.0	5,724.5	31.42	183.192				
7,350.0	7,316.4	7,491.1	7,372.3	17.1	23.6	-17.87	-5,239.3	9.4	5,745.1	5,713.5	31.60	181.821				
7,400.0	7,363.9	7,541.9	7,423.1	17.0	23.7	-14.87	-5,239.0	9.5	5,730.1	5,698.3	31.78	180.305				
7,450.0	7,410.0	7,582.5	7,463.7	16.9	23.7	-13.16	-5,238.8	9.6	5,710.9	5,679.0	31.95	178.741				
7,500.0	7,454.3	7,619.3	7,500.5	16.8	23.7	-12.16	-5,238.6	9.7	5,687.9	5,655.8	32.12	177.089				
7,550.0	7,496.3	7,654.3	7,535.5	16.7	23.8	-11.61	-5,238.5	9.9	5,661.2	5,628.9	32.29	175.340				
7,600.0	7,535.9	7,687.3	7,568.5	16.5	23.8	-11.38	-5,238.4	10.0	5,630.9	5,598.5	32.45	173.507				
7,650.0	7,572.7	7,718.0	7,599.2	16.4	23.8	-11.43	-5,238.3	10.2	5,597.4	5,564.8	32.62	171.599				
7,700.0	7,606.4	7,761.0	7,642.2	16.3	23.9	-11.79	-5,238.3	10.5	5,560.8	5,528.0	32.80	169.539				
7,750.0	7,636.7	7,773.6	7,654.8	16.2	23.9	-12.38	-5,238.3	10.6	5,521.5	5,488.5	32.95	167.593				
7,800.0	7,663.5	7,800.4	7,681.6	16.1	23.9	-13.41	-5,238.3	10.8	5,479.6	5,446.5	33.11	165.503				
7,850.0	7,686.5	7,823.5	7,704.6	16.0	23.9	-14.99	-5,238.4	10.9	5,435.6	5,402.3	33.27	163.391				
7,900.0	7,705.6	7,842.6	7,723.7	16.0	24.0	-17.48	-5,238.4	11.0	5,389.7	5,356.2	33.42	161.270				
7,950.0	7,720.6	7,857.6	7,738.7	16.0	24.0	-21.63	-5,238.4	11.2	5,342.2	5,308.7	33.57	159.152				
8,000.0	7,731.4	7,868.4	7,749.5	16.0	24.0	-29.38	-5,238.4	11.2	5,293.7	5,260.0	33.71	157.049				
8,050.0	7,737.8	7,874.9	7,756.0	16.1	24.0	-46.78	-5,238.4	11.3	5,244.4	5,210.5	33.84	154.973				
8,099.8	7,740.0	7,877.1	7,758.2	16.2	24.0	-89.28	-5,238.4	11.3	5,194.9	5,160.9	33.97	152.944				
8,200.0	7,740.0	7,877.1	7,758.3	16.6	24.0	-89.29	-5,238.4	11.3	5,095.0	5,060.8	34.21	148.918				
8,300.0	7,740.0	7,877.2	7,758.3	17.2	24.0	-89.29	-5,238.4	11.3	4,995.4	4,961.0	34.46	144.948				
8,400.0	7,740.0	7,877.2	7,758.4	17.9	24.0	-89.30	-5,238.4	11.3	4,895.9	4,861.2	34.72	141.023				
8,500.0	7,740.0	7,877.3	7,758.4	18.8	24.0	-89.30	-5,238.4	11.3	4,796.3	4,761.4	34.97	137.141				
8,600.0	7,740.0	7,877.3	7,758.5	19.8	24.0	-89.31	-5,238.4	11.3	4,696.8	4,661.6	35.23	133.301				
8,700.0	7,740.0	7,877.4	7,758.5	20.9	24.0	-89.32	-5,238.4	11.3	4,597.3	4,561.8	35.50	129.503				
8,800.0	7,740.0	7,877.4	7,758.6	22.0	24.0	-89.32	-5,238.4	11.3	4,497.8	4,462.0	35.77	125.744				
8,900.0	7,740.0	7,877.5	7,758.6	23.3	24.0	-89.33	-5,238.4	11.3	4,398.3	4,362.3	36.04	122.025				
9,000.0	7,740.0	7,877.5	7,758.7	24.6	24.0	-89.34	-5,238.4	11.3	4,298.9	4,262.6	36.33	118.343				
9,100.0	7,740.0	7,877.6	7,758.7	25.9	24.0	-89.34	-5,238.4	11.3	4,199.5	4,162.9	36.61	114.699				
9,200.0	7,740.0	7,877.6	7,758.8	27.3	24.0	-89.35	-5,238.4	11.3	4,100.1	4,063.2	36.91	111.090				

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 12-18 - DD - DD												Offset Site Error:	0.0 ft
Survey Program: 56-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
9,300.0	7,740.0	7,877.7	7,758.8	28.8	24.0	-89.35	-5,238.4	11.3	4,000.7	3,963.5	37.21	107.517	
9,400.0	7,740.0	7,877.7	7,758.9	30.3	24.0	-89.36	-5,238.4	11.3	3,901.4	3,863.9	37.52	103.979	
9,500.0	7,740.0	7,877.7	7,758.9	31.8	24.0	-89.37	-5,238.4	11.3	3,802.1	3,764.3	37.84	100.474	
9,600.0	7,740.0	7,877.8	7,759.0	33.3	24.0	-89.37	-5,238.4	11.3	3,702.9	3,664.7	38.17	97.003	
9,700.0	7,740.0	7,877.8	7,759.0	34.8	24.0	-89.38	-5,238.4	11.3	3,603.7	3,565.2	38.52	93.564	
9,800.0	7,740.0	7,877.9	7,759.1	36.4	24.0	-89.38	-5,238.4	11.3	3,504.5	3,465.7	38.87	90.156	
9,900.0	7,740.0	7,877.9	7,759.1	38.0	24.0	-89.39	-5,238.4	11.3	3,405.4	3,366.2	39.24	86.781	
10,000.0	7,740.0	7,878.0	7,759.2	39.6	24.0	-89.40	-5,238.4	11.3	3,306.4	3,266.7	39.63	83.436	
10,100.0	7,740.0	7,878.0	7,759.2	41.2	24.0	-89.40	-5,238.4	11.3	3,207.4	3,167.3	40.03	80.122	
10,200.0	7,740.0	7,878.1	7,759.3	42.8	24.0	-89.41	-5,238.4	11.3	3,108.4	3,068.0	40.45	76.838	
10,300.0	7,740.0	7,878.1	7,759.3	44.5	24.0	-89.42	-5,238.4	11.3	3,009.6	2,968.7	40.90	73.584	
10,400.0	7,740.0	7,878.2	7,759.4	46.1	24.0	-89.42	-5,238.4	11.3	2,910.8	2,869.4	41.37	70.360	
10,500.0	7,740.0	7,878.2	7,759.4	47.8	24.0	-89.43	-5,238.4	11.3	2,812.1	2,770.2	41.87	67.166	
10,600.0	7,740.0	7,878.3	7,759.5	49.4	24.0	-89.43	-5,238.4	11.3	2,713.5	2,671.1	42.40	64.003	
10,700.0	7,740.0	7,878.3	7,759.5	51.1	24.0	-89.44	-5,238.4	11.3	2,615.0	2,572.0	42.96	60.870	
10,800.0	7,740.0	7,878.4	7,759.6	52.7	24.0	-89.45	-5,238.4	11.3	2,516.6	2,473.0	43.56	57.768	
10,900.0	7,740.0	7,878.4	7,759.6	54.4	24.0	-89.45	-5,238.4	11.3	2,418.3	2,374.1	44.21	54.698	
11,000.0	7,740.0	7,878.5	7,759.7	56.1	24.0	-89.46	-5,238.4	11.3	2,320.2	2,275.3	44.91	51.661	
11,100.0	7,740.0	7,878.5	7,759.7	57.8	24.0	-89.47	-5,238.4	11.3	2,222.3	2,176.6	45.67	48.658	
11,200.0	7,740.0	7,878.6	7,759.8	59.5	24.0	-89.47	-5,238.4	11.3	2,124.6	2,078.1	46.50	45.690	
11,300.0	7,740.0	7,878.6	7,759.8	61.2	24.0	-89.48	-5,238.4	11.3	2,027.0	1,979.6	47.41	42.760	
11,400.0	7,740.0	7,878.7	7,759.9	62.9	24.0	-89.48	-5,238.4	11.3	1,929.8	1,881.4	48.40	39.870	
11,500.0	7,740.0	7,878.7	7,759.9	64.6	24.0	-89.49	-5,238.4	11.3	1,832.8	1,783.3	49.50	37.023	
11,600.0	7,740.0	7,878.8	7,760.0	66.3	24.0	-89.50	-5,238.4	11.3	1,736.2	1,685.5	50.73	34.224	
11,700.0	7,740.0	7,878.8	7,760.0	68.0	24.0	-89.50	-5,238.4	11.3	1,640.0	1,587.9	52.10	31.475	
11,800.0	7,740.0	7,878.9	7,760.1	69.7	24.0	-89.51	-5,238.4	11.3	1,544.2	1,490.6	53.65	28.784	
11,900.0	7,740.0	7,878.9	7,760.1	71.4	24.0	-89.52	-5,238.4	11.3	1,449.1	1,393.7	55.40	26.157	
12,000.0	7,740.0	7,879.0	7,760.2	73.1	24.0	-89.52	-5,238.4	11.3	1,354.6	1,297.2	57.40	23.601	
12,100.0	7,740.0	7,879.0	7,760.2	74.8	24.0	-89.53	-5,238.4	11.3	1,261.0	1,201.3	59.69	21.126	
12,200.0	7,740.0	7,879.1	7,760.3	76.5	24.0	-89.53	-5,238.4	11.3	1,168.4	1,106.1	62.34	18.743	
12,300.0	7,740.0	7,879.1	7,760.3	78.2	24.0	-89.54	-5,238.4	11.3	1,077.2	1,011.8	65.42	16.466	
12,400.0	7,740.0	7,879.2	7,760.4	79.9	24.0	-89.55	-5,238.4	11.3	987.7	918.7	69.03	14.308	
12,500.0	7,740.0	7,879.2	7,760.4	81.7	24.0	-89.55	-5,238.4	11.3	900.4	827.1	73.27	12.289	
12,600.0	7,740.0	7,879.3	7,760.5	83.4	24.0	-89.56	-5,238.4	11.3	816.0	737.7	78.25	10.428	
12,700.0	7,740.0	7,879.3	7,760.5	85.1	24.0	-89.57	-5,238.4	11.3	735.5	651.4	84.08	8.747	
12,800.0	7,740.0	7,879.4	7,760.6	86.8	24.0	-89.57	-5,238.4	11.3	660.4	569.6	90.80	7.273	
12,900.0	7,740.0	7,879.4	7,760.6	88.6	24.0	-89.58	-5,238.4	11.3	592.7	494.4	98.25	6.032	
13,000.0	7,740.0	7,879.5	7,760.7	90.3	24.0	-89.58	-5,238.4	11.3	535.2	429.3	105.89	5.054	
13,100.0	7,740.0	7,879.5	7,760.7	92.0	24.0	-89.59	-5,238.4	11.3	491.5	378.9	112.54	4.367	
13,200.0	7,740.0	7,879.6	7,760.8	93.7	24.0	-89.60	-5,238.4	11.3	465.5	349.1	116.43	3.998	
13,274.3	7,740.0	7,879.6	7,760.8	95.0	24.0	-89.60	-5,238.4	11.3	459.5	343.0	116.55	3.943 CC, ES, SF	
13,300.0	7,740.0	7,879.6	7,760.8	95.5	24.0	-89.60	-5,238.4	11.3	460.3	344.3	115.98	3.968	
13,400.0	7,740.0	7,879.7	7,760.9	97.2	24.0	-89.61	-5,238.4	11.3	476.4	365.4	111.06	4.290	
13,500.0	7,740.0	7,879.7	7,760.9	98.9	24.0	-89.62	-5,238.4	11.3	512.0	408.8	103.21	4.961	
13,600.0	7,740.0	7,879.8	7,761.0	100.7	24.0	-89.62	-5,238.4	11.3	563.3	468.8	94.44	5.964	
13,700.0	7,740.0	7,879.8	7,761.0	102.4	24.0	-89.63	-5,238.4	11.3	626.4	540.3	86.18	7.269	
13,800.0	7,740.0	7,879.9	7,761.1	104.1	24.0	-89.63	-5,238.4	11.3	698.3	619.3	79.01	8.838	
13,900.0	7,740.0	7,879.9	7,761.1	105.9	24.0	-89.64	-5,238.4	11.3	776.4	703.3	73.04	10.629	
14,000.0	7,740.0	7,880.0	7,761.2	107.6	24.0	-89.65	-5,238.4	11.3	859.0	790.8	68.15	12.604	
14,100.0	7,740.0	7,880.0	7,761.2	109.3	24.0	-89.65	-5,238.4	11.3	945.0	880.8	64.16	14.728	
14,200.0	7,740.0	7,880.1	7,761.3	111.1	24.0	-89.66	-5,238.4	11.3	1,033.5	972.6	60.90	16.970	
14,300.0	7,740.0	7,880.1	7,761.3	112.8	24.0	-89.66	-5,238.4	11.3	1,124.0	1,065.7	58.22	19.304	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Sosa 12-18 - DD - DD										Offset Site Error:		0.0 ft	
Survey Program: 56-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	
14,400.0	7,740.0	7,880.2	7,761.4	114.5	24.0	-89.67	-5,238.4	11.3	1,215.9	1,159.9	56.01	21.708	
14,500.0	7,740.0	7,880.2	7,761.4	116.3	24.0	-89.68	-5,238.4	11.3	1,309.0	1,254.9	54.17	24.163	
14,600.0	7,740.0	7,880.3	7,761.5	118.0	24.0	-89.68	-5,238.4	11.3	1,403.1	1,350.5	52.64	26.654	
14,700.0	7,740.0	7,880.3	7,761.5	119.7	24.0	-89.69	-5,238.4	11.3	1,498.0	1,446.6	51.36	29.168	
14,800.0	7,740.0	7,880.4	7,761.6	121.5	24.0	-89.70	-5,238.4	11.3	1,593.4	1,543.2	50.28	31.694	
14,900.0	7,740.0	7,880.4	7,761.6	123.2	24.0	-89.70	-5,238.4	11.3	1,689.4	1,640.1	49.36	34.225	
15,000.0	7,740.0	7,880.5	7,761.7	125.0	24.0	-89.71	-5,238.4	11.3	1,785.9	1,737.3	48.59	36.755	
15,100.0	7,740.0	7,880.5	7,761.7	126.7	24.0	-89.71	-5,238.4	11.3	1,882.7	1,834.7	47.93	39.277	
15,200.0	7,740.0	7,880.6	7,761.8	128.4	24.0	-89.72	-5,238.4	11.3	1,979.8	1,932.4	47.38	41.789	
15,300.0	7,740.0	7,880.6	7,761.8	130.2	24.0	-89.73	-5,238.4	11.3	2,077.2	2,030.3	46.90	44.287	
15,400.0	7,740.0	7,880.7	7,761.9	131.9	24.0	-89.73	-5,238.4	11.3	2,174.8	2,128.3	46.50	46.769	
15,500.0	7,740.0	7,880.7	7,761.9	133.7	24.0	-89.74	-5,238.4	11.3	2,272.7	2,226.5	46.16	49.233	
15,600.0	7,740.0	7,880.8	7,762.0	135.4	24.0	-89.75	-5,238.4	11.3	2,370.7	2,324.8	45.87	51.679	
15,700.0	7,740.0	7,880.8	7,762.0	137.2	24.0	-89.75	-5,238.4	11.3	2,468.9	2,423.2	45.63	54.104	
15,800.0	7,740.0	7,880.9	7,762.1	138.9	24.0	-89.76	-5,238.4	11.3	2,567.2	2,521.8	45.43	56.510	
15,900.0	7,740.0	7,880.9	7,762.1	140.6	24.0	-89.76	-5,238.4	11.3	2,665.6	2,620.4	45.26	58.895	
15,949.8	7,740.0	7,881.0	7,762.1	141.5	24.0	-89.77	-5,238.4	11.3	2,714.7	2,669.5	45.19	60.075	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - SOSA A UNIT 1 (EXISTING) - EXISTING - EXISTI													Offset Site Error:	0.0 ft
Survey Program: 100-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	172.38	-4,325.8	578.6	4,364.3					
100.0	100.0	83.0	83.0	0.2	0.1	172.38	-4,326.0	578.8	4,364.6	4,364.3	0.30	N/A		
200.0	200.0	163.6	163.6	0.3	0.3	172.38	-4,326.5	579.1	4,365.3	4,364.7	0.61	7,132.770		
300.0	300.0	270.8	270.7	0.5	0.5	-148.66	-4,327.6	579.1	4,367.0	4,366.1	0.97	4,484.709		
400.0	400.0	368.8	368.8	0.7	0.6	-148.66	-4,328.4	578.7	4,370.0	4,368.7	1.32	3,308.571		
500.0	499.9	475.3	475.3	0.9	0.8	-148.67	-4,329.2	578.7	4,374.5	4,372.9	1.68	2,596.462		
600.0	599.7	599.6	599.6	1.1	1.0	-148.68	-4,329.8	578.0	4,380.2	4,378.1	2.08	2,102.373		
700.0	699.4	690.4	690.4	1.3	1.2	-148.69	-4,330.1	577.6	4,387.1	4,384.7	2.43	1,807.283		
760.9	760.0	756.6	756.6	1.4	1.3	-148.70	-4,330.3	577.3	4,392.1	4,389.4	2.66	1,652.196		
800.0	798.9	800.0	800.0	1.5	1.4	-148.72	-4,330.5	576.8	4,395.4	4,392.6	2.81	1,564.969		
900.0	898.4	897.4	897.4	1.7	1.6	-148.77	-4,330.7	575.7	4,403.9	4,400.7	3.17	1,389.411		
1,000.0	998.0	988.6	988.6	2.0	1.7	-148.82	-4,331.1	574.7	4,412.5	4,409.0	3.52	1,253.141		
1,100.0	1,097.5	1,104.6	1,104.5	2.2	1.9	-148.87	-4,331.5	572.9	4,421.0	4,417.1	3.92	1,128.541		
1,200.0	1,197.0	1,205.8	1,205.8	2.5	2.1	-148.91	-4,331.7	571.2	4,429.3	4,425.0	4.29	1,032.865		
1,300.0	1,296.5	1,304.1	1,304.0	2.7	2.3	-148.95	-4,331.9	569.2	4,437.7	4,433.0	4.66	953.194		
1,400.0	1,396.0	1,416.8	1,416.7	2.9	2.5	-148.99	-4,332.0	566.5	4,445.8	4,440.7	5.05	880.509		
1,500.0	1,495.6	1,505.8	1,505.7	3.2	2.6	-149.02	-4,332.0	564.8	4,454.0	4,448.6	5.40	824.930		
1,600.0	1,595.1	1,627.6	1,627.4	3.4	2.9	-149.07	-4,331.8	562.4	4,461.8	4,456.0	5.81	768.079		
1,700.0	1,694.6	1,717.5	1,717.3	3.7	3.0	-149.11	-4,331.7	560.6	4,469.8	4,463.7	6.16	725.386		
1,800.0	1,794.1	1,842.1	1,841.9	3.9	3.2	-149.15	-4,331.1	557.4	4,477.4	4,470.8	6.58	680.551		
1,900.0	1,893.7	1,930.7	1,930.5	4.1	3.4	-149.18	-4,330.7	555.0	4,484.9	4,478.0	6.93	647.076		
2,000.0	1,993.2	2,020.3	2,020.0	4.4	3.6	-149.20	-4,330.6	552.6	4,492.8	4,485.5	7.28	616.731		
2,100.0	2,092.7	2,128.0	2,127.6	4.6	3.8	-149.24	-4,330.2	549.7	4,500.5	4,492.8	7.67	586.644		
2,200.0	2,192.2	2,200.0	2,199.6	4.9	3.9	-149.26	-4,330.2	547.9	4,508.5	4,500.5	7.99	564.044		
2,300.0	2,291.7	2,330.0	2,329.6	5.1	4.1	-149.29	-4,330.1	544.0	4,516.4	4,508.0	8.42	536.154		
2,400.0	2,391.3	2,444.8	2,444.3	5.4	4.3	-149.32	-4,329.8	540.1	4,524.1	4,515.3	8.83	512.564		
2,500.0	2,490.8	2,563.9	2,563.4	5.6	4.5	-149.35	-4,328.7	536.0	4,531.1	4,521.8	9.24	490.533		
2,600.0	2,590.3	2,648.0	2,647.4	5.8	4.7	-149.37	-4,327.9	533.4	4,538.1	4,528.6	9.58	473.649		
2,700.0	2,689.8	2,731.9	2,731.3	6.1	4.8	-149.40	-4,327.4	531.5	4,545.6	4,535.7	9.92	458.057		
2,800.0	2,789.3	2,829.9	2,829.3	6.3	5.0	-149.43	-4,327.0	529.3	4,553.3	4,543.0	10.29	442.444		
2,900.0	2,888.9	2,936.2	2,935.6	6.6	5.2	-149.48	-4,326.4	527.6	4,560.9	4,550.2	10.67	427.379		
3,000.0	2,988.4	3,036.4	3,035.7	6.8	5.4	-149.52	-4,325.6	526.1	4,568.4	4,557.3	11.04	413.731		
3,100.0	3,087.9	3,128.9	3,128.2	7.1	5.5	-149.56	-4,325.1	524.4	4,576.0	4,564.6	11.40	401.446		
3,200.0	3,187.4	3,220.8	3,220.1	7.3	5.7	-149.60	-4,324.6	522.8	4,583.7	4,571.9	11.75	389.980		
3,300.0	3,286.9	3,300.0	3,299.3	7.5	5.8	-149.63	-4,324.5	521.7	4,591.8	4,579.7	12.08	379.982		
3,400.0	3,386.5	3,399.2	3,398.5	7.8	6.0	-149.68	-4,324.6	520.8	4,600.1	4,587.7	12.45	369.509		
3,500.0	3,486.0	3,487.9	3,487.2	8.0	6.2	-149.73	-4,324.7	520.1	4,608.5	4,595.7	12.80	360.151		
3,600.0	3,585.5	3,587.7	3,587.0	8.3	6.3	-149.78	-4,324.9	519.2	4,617.1	4,603.9	13.16	350.759		
3,700.0	3,685.0	3,696.6	3,695.8	8.5	6.5	-149.84	-4,325.0	518.3	4,625.5	4,612.0	13.55	341.479		
3,800.0	3,784.6	3,790.4	3,789.7	8.8	6.7	-149.89	-4,325.0	517.8	4,633.9	4,620.0	13.90	333.369		
3,900.0	3,884.1	3,895.6	3,894.9	9.0	6.9	-149.94	-4,325.1	516.9	4,642.3	4,628.1	14.28	325.146		
4,000.0	3,983.6	3,991.6	3,990.8	9.3	7.1	-149.98	-4,325.3	515.5	4,650.7	4,636.1	14.64	317.684		
4,100.0	4,083.1	4,102.6	4,101.8	9.5	7.3	-150.02	-4,325.4	513.4	4,659.0	4,644.0	15.03	309.976		
4,200.0	4,182.6	4,220.2	4,219.4	9.7	7.5	-150.06	-4,325.2	511.1	4,667.0	4,651.6	15.43	302.403		
4,300.0	4,282.2	4,325.8	4,324.9	10.0	7.7	-150.10	-4,324.8	508.4	4,674.7	4,658.9	15.82	295.571		
4,400.0	4,381.7	4,418.1	4,417.3	10.2	7.8	-150.12	-4,324.5	505.9	4,682.5	4,666.3	16.17	289.514		
4,500.0	4,481.2	4,504.6	4,503.7	10.5	8.0	-150.15	-4,324.4	504.0	4,690.4	4,673.9	16.52	283.960		
4,600.0	4,580.7	4,600.0	4,599.1	10.7	8.1	-150.19	-4,324.4	502.2	4,698.6	4,681.8	16.88	278.369		
4,700.0	4,680.2	4,728.2	4,727.3	11.0	8.4	-150.23	-4,323.8	499.9	4,706.4	4,689.1	17.30	272.039		
4,800.0	4,779.8	4,811.5	4,810.5	11.2	8.5	-150.26	-4,323.6	498.2	4,714.2	4,696.6	17.64	267.253		
4,900.0	4,879.3	4,933.8	4,932.8	11.4	8.7	-150.31	-4,323.0	495.6	4,721.9	4,703.9	18.05	261.604		
5,000.0	4,978.8	5,041.5	5,040.5	11.7	8.9	-150.35	-4,321.9	494.2	4,729.2	4,710.8	18.43	256.602		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - SOSAA UNIT 1 (EXISTING) - EXISTING - EXISTI											Offset Site Error:		0.0 ft
Survey Program: 100-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	5,078.3	5,149.0	5,148.0	11.9	9.1	-150.40	-4,320.9	492.9	4,736.6	4,717.8	18.81	251.808	
5,200.0	5,177.9	5,268.9	5,267.9	12.2	9.3	-150.46	-4,319.1	491.6	4,743.5	4,724.2	19.21	246.911	
5,300.0	5,277.4	5,363.6	5,362.5	12.4	9.5	-150.51	-4,317.5	490.9	4,750.2	4,730.6	19.57	242.775	
5,400.0	5,376.9	5,452.3	5,451.2	12.7	9.6	-150.56	-4,316.2	490.2	4,757.1	4,737.2	19.91	238.920	
5,500.0	5,476.4	5,556.3	5,555.2	12.9	9.8	-150.61	-4,314.9	489.1	4,764.2	4,744.0	20.28	234.888	
5,600.0	5,575.9	5,649.3	5,648.2	13.2	10.0	-150.66	-4,313.5	488.5	4,771.2	4,750.6	20.63	231.226	
5,700.0	5,675.5	5,740.8	5,739.7	13.4	10.1	-150.71	-4,312.5	488.0	4,778.5	4,757.5	20.98	227.734	
5,800.0	5,775.0	5,860.3	5,859.2	13.6	10.4	-150.77	-4,310.8	487.3	4,785.6	4,764.2	21.38	223.826	
5,900.0	5,874.5	5,948.1	5,947.0	13.9	10.5	-150.82	-4,309.4	487.2	4,792.5	4,770.8	21.72	220.635	
6,000.0	5,974.0	6,021.8	6,020.7	14.1	10.6	-150.86	-4,308.6	487.0	4,799.9	4,777.9	22.04	217.815	
6,100.0	6,073.5	6,100.0	6,098.9	14.4	10.8	-150.91	-4,308.1	486.7	4,807.8	4,785.4	22.36	215.015	
6,200.0	6,173.1	6,174.0	6,172.9	14.6	10.9	-150.94	-4,308.1	486.1	4,816.2	4,793.5	22.68	212.376	
6,300.0	6,272.6	6,266.9	6,265.8	14.9	11.1	-150.98	-4,308.5	485.1	4,825.0	4,802.0	23.03	209.515	
6,400.0	6,372.1	6,415.0	6,413.9	15.1	11.3	-151.06	-4,308.3	484.3	4,833.4	4,809.9	23.48	205.837	
6,500.0	6,471.6	6,518.5	6,517.4	15.4	11.5	-151.11	-4,307.6	483.6	4,841.1	4,817.3	23.85	202.964	
6,600.0	6,571.1	6,614.3	6,613.1	15.6	11.7	-151.15	-4,307.0	482.9	4,848.9	4,824.7	24.21	200.300	
6,700.0	6,670.7	6,733.1	6,732.0	15.8	11.9	-151.21	-4,306.0	482.1	4,856.6	4,832.0	24.61	197.371	
6,800.0	6,770.2	6,854.6	6,853.4	16.1	12.1	-151.27	-4,304.4	481.1	4,863.7	4,838.7	25.01	194.478	
6,900.0	6,869.7	6,948.4	6,947.2	16.3	12.3	-151.32	-4,302.9	480.6	4,870.7	4,845.3	25.36	192.063	
7,000.0	6,969.2	7,032.9	7,031.7	16.6	12.4	-151.37	-4,301.8	480.6	4,877.9	4,852.2	25.69	189.860	
7,100.0	7,068.8	7,117.5	7,116.4	16.8	12.5	-151.42	-4,300.8	481.0	4,885.5	4,859.5	26.02	187.736	
7,156.2	7,124.7	7,170.5	7,169.3	17.0	12.6	-151.46	-4,300.3	481.7	4,889.9	4,863.6	26.22	186.515	
7,200.0	7,168.4	7,212.1	7,210.9	17.0	12.7	-100.19	-4,299.8	482.6	4,891.6	4,865.3	26.37	185.489	
7,250.0	7,218.2	7,260.2	7,259.0	17.1	12.8	-45.85	-4,299.1	484.3	4,889.7	4,863.1	26.55	184.157	
7,300.0	7,267.7	7,300.0	7,298.7	17.1	12.8	-30.37	-4,298.4	486.2	4,883.5	4,856.7	26.72	182.751	
7,350.0	7,316.4	7,333.9	7,332.5	17.1	12.9	-24.50	-4,297.9	488.2	4,873.2	4,846.3	26.89	181.247	
7,400.0	7,363.9	7,362.2	7,360.8	17.0	12.9	-21.67	-4,297.6	489.9	4,858.9	4,831.9	27.05	179.644	
7,450.0	7,410.0	7,400.0	7,398.5	16.9	13.0	-20.25	-4,297.2	492.4	4,840.8	4,813.6	27.23	177.783	
7,500.0	7,454.3	7,421.0	7,419.4	16.8	13.0	-19.56	-4,297.1	493.8	4,819.0	4,791.6	27.39	175.954	
7,550.0	7,496.3	7,453.8	7,452.2	16.7	13.1	-19.43	-4,297.0	495.9	4,793.5	4,765.9	27.57	173.851	
7,600.0	7,535.9	7,484.8	7,483.1	16.5	13.1	-19.74	-4,297.0	497.7	4,764.6	4,736.8	27.76	171.639	
7,650.0	7,572.7	7,517.3	7,515.6	16.4	13.2	-20.47	-4,297.1	499.4	4,732.4	4,704.4	27.95	169.287	
7,700.0	7,606.4	7,551.0	7,549.2	16.3	13.3	-21.67	-4,297.2	501.0	4,697.1	4,668.9	28.16	166.815	
7,750.0	7,636.7	7,581.4	7,579.6	16.2	13.3	-23.39	-4,297.4	502.4	4,659.0	4,630.7	28.36	164.285	
7,800.0	7,663.5	7,608.4	7,606.6	16.1	13.3	-25.80	-4,297.5	503.5	4,618.4	4,589.9	28.56	161.711	
7,850.0	7,686.5	7,631.6	7,629.8	16.0	13.4	-29.17	-4,297.6	504.3	4,575.7	4,546.9	28.76	159.109	
7,900.0	7,705.6	7,651.0	7,649.2	16.0	13.4	-33.94	-4,297.8	505.0	4,531.0	4,502.0	28.95	156.496	
7,950.0	7,720.6	7,666.3	7,664.5	16.0	13.4	-40.85	-4,297.9	505.5	4,484.8	4,455.7	29.14	153.886	
8,000.0	7,731.4	7,677.5	7,675.6	16.0	13.5	-51.10	-4,297.9	505.9	4,437.4	4,408.1	29.33	151.295	
8,050.0	7,737.8	7,684.3	7,682.5	16.1	13.5	-66.22	-4,298.0	506.1	4,389.2	4,359.7	29.51	148.738	
8,099.8	7,740.0	7,686.9	7,685.0	16.2	13.5	-86.40	-4,298.0	506.2	4,340.8	4,311.1	29.68	146.239	
8,200.0	7,740.0	7,687.6	7,685.8	16.6	13.5	-86.45	-4,298.0	506.2	4,243.1	4,213.0	30.03	141.285	
8,300.0	7,740.0	7,688.3	7,686.5	17.2	13.5	-86.49	-4,298.0	506.2	4,145.7	4,115.3	30.39	136.406	
8,400.0	7,740.0	7,689.1	7,687.2	17.9	13.5	-86.54	-4,298.0	506.2	4,048.5	4,017.7	30.77	131.588	
8,500.0	7,740.0	7,689.8	7,688.0	18.8	13.5	-86.58	-4,298.0	506.3	3,951.4	3,920.2	31.15	126.831	
8,600.0	7,740.0	7,690.5	7,688.7	19.8	13.5	-86.62	-4,298.0	506.3	3,854.4	3,822.8	31.56	122.133	
8,700.0	7,740.0	7,691.3	7,689.4	20.9	13.5	-86.67	-4,298.0	506.3	3,757.6	3,725.6	31.98	117.495	
8,800.0	7,740.0	7,692.0	7,690.2	22.0	13.5	-86.71	-4,298.0	506.3	3,661.0	3,628.6	32.42	112.915	
8,900.0	7,740.0	7,692.8	7,690.9	23.3	13.5	-86.76	-4,298.1	506.4	3,564.6	3,531.7	32.89	108.393	
9,000.0	7,740.0	7,693.5	7,691.7	24.6	13.5	-86.80	-4,298.1	506.4	3,468.3	3,434.9	33.37	103.929	
9,100.0	7,740.0	7,694.3	7,692.4	25.9	13.5	-86.85	-4,298.1	506.4	3,372.3	3,338.4	33.88	99.524	
9,200.0	7,740.0	7,695.0	7,693.2	27.3	13.5	-86.89	-4,298.1	506.4	3,276.5	3,242.1	34.43	95.178	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - SOSA A UNIT 1 (EXISTING) - EXISTING - EXISTI													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,300.0	7,740.0	7,695.8	7,693.9	28.8	13.5	-86.94	-4,298.1	506.4	3,181.0	3,146.0	35.00	90.891		
9,400.0	7,740.0	7,696.5	7,694.7	30.3	13.5	-86.98	-4,298.1	506.5	3,085.8	3,050.2	35.61	86.666		
9,500.0	7,740.0	7,697.3	7,695.5	31.8	13.5	-87.03	-4,298.1	506.5	2,990.9	2,954.6	36.25	82.504		
9,600.0	7,740.0	7,698.1	7,696.2	33.3	13.5	-87.08	-4,298.1	506.5	2,896.3	2,859.4	36.94	78.407		
9,700.0	7,740.0	7,698.8	7,697.0	34.8	13.5	-87.12	-4,298.1	506.5	2,802.1	2,764.4	37.67	74.376		
9,800.0	7,740.0	7,699.6	7,697.8	36.4	13.5	-87.17	-4,298.1	506.6	2,708.3	2,669.8	38.46	70.416		
9,900.0	7,740.0	7,700.5	7,698.6	38.0	13.5	-87.22	-4,298.1	506.6	2,615.0	2,575.7	39.31	66.528		
10,000.0	7,740.0	7,701.4	7,699.5	39.6	13.5	-87.27	-4,298.1	506.6	2,522.2	2,481.9	40.22	62.717		
10,100.0	7,740.0	7,702.3	7,700.4	41.2	13.5	-87.33	-4,298.1	506.6	2,429.9	2,388.7	41.20	58.986		
10,200.0	7,740.0	7,703.2	7,701.3	42.8	13.5	-87.38	-4,298.1	506.7	2,338.3	2,296.1	42.25	55.340		
10,300.0	7,740.0	7,704.0	7,702.2	44.5	13.5	-87.43	-4,298.1	506.7	2,247.4	2,204.0	43.40	51.785		
10,400.0	7,740.0	7,704.9	7,703.0	46.1	13.5	-87.48	-4,298.1	506.7	2,157.3	2,112.7	44.64	48.325		
10,500.0	7,740.0	7,705.7	7,703.9	47.8	13.5	-87.53	-4,298.1	506.7	2,068.2	2,022.2	45.99	44.968		
10,600.0	7,740.0	7,706.6	7,704.7	49.4	13.5	-87.58	-4,298.2	506.8	1,980.0	1,932.6	47.46	41.718		
10,700.0	7,740.0	7,707.4	7,705.5	51.1	13.5	-87.63	-4,298.2	506.8	1,893.1	1,844.0	49.06	38.584		
10,800.0	7,740.0	7,708.2	7,706.3	52.7	13.5	-87.68	-4,298.2	506.8	1,807.5	1,756.6	50.81	35.572		
10,900.0	7,740.0	7,709.0	7,707.1	54.4	13.5	-87.73	-4,298.2	506.8	1,723.4	1,670.7	52.72	32.690		
11,000.0	7,740.0	7,709.7	7,707.9	56.1	13.5	-87.78	-4,298.2	506.9	1,641.1	1,586.3	54.80	29.947		
11,100.0	7,740.0	7,710.5	7,708.7	57.8	13.5	-87.82	-4,298.2	506.9	1,560.9	1,503.8	57.07	27.351		
11,200.0	7,740.0	7,711.3	7,709.4	59.5	13.5	-87.87	-4,298.2	506.9	1,483.1	1,423.6	59.54	24.910		
11,300.0	7,740.0	7,712.0	7,710.2	61.2	13.5	-87.91	-4,298.2	506.9	1,408.1	1,345.9	62.22	22.632		
11,400.0	7,740.0	7,712.7	7,710.9	62.9	13.5	-87.95	-4,298.2	506.9	1,336.4	1,271.3	65.11	20.527		
11,500.0	7,740.0	7,713.5	7,711.6	64.6	13.5	-88.00	-4,298.2	507.0	1,268.5	1,200.3	68.19	18.602		
11,600.0	7,740.0	7,714.2	7,712.3	66.3	13.5	-88.04	-4,298.2	507.0	1,205.1	1,133.7	71.45	16.866		
11,700.0	7,740.0	7,714.9	7,713.0	68.0	13.5	-88.08	-4,298.2	507.0	1,147.0	1,072.1	74.84	15.325		
11,800.0	7,740.0	7,715.5	7,713.7	69.7	13.5	-88.12	-4,298.2	507.0	1,094.9	1,016.6	78.28	13.987		
11,900.0	7,740.0	7,716.2	7,714.4	71.4	13.5	-88.16	-4,298.2	507.0	1,049.7	968.1	81.66	12.855		
12,000.0	7,740.0	7,716.9	7,715.0	73.1	13.5	-88.20	-4,298.2	507.1	1,012.5	927.6	84.83	11.935		
12,100.0	7,740.0	7,717.5	7,715.7	74.8	13.5	-88.24	-4,298.2	507.1	984.0	896.4	87.64	11.228		
12,200.0	7,740.0	7,718.2	7,716.3	76.5	13.5	-88.28	-4,298.2	507.1	965.1	875.2	89.91	10.734		
12,300.0	7,740.0	7,718.8	7,717.0	78.2	13.5	-88.32	-4,298.2	507.1	956.4	864.9	91.49	10.453		
12,334.1	7,740.0	7,719.0	7,717.2	78.8	13.5	-88.33	-4,298.2	507.1	955.8	863.9	91.86	10.405 CC, ES		
12,400.0	7,740.0	7,719.5	7,717.6	79.9	13.5	-88.36	-4,298.2	507.1	958.0	865.7	92.30	10.379 SF		
12,500.0	7,740.0	7,720.1	7,718.2	81.7	13.5	-88.39	-4,298.2	507.2	970.1	877.7	92.32	10.508		
12,600.0	7,740.0	7,720.7	7,718.8	83.4	13.5	-88.43	-4,298.2	507.2	992.1	900.5	91.59	10.831		
12,700.0	7,740.0	7,721.3	7,719.4	85.1	13.5	-88.47	-4,298.2	507.2	1,023.4	933.1	90.25	11.339		
12,800.0	7,740.0	7,721.9	7,720.0	86.8	13.5	-88.50	-4,298.3	507.2	1,063.3	974.8	88.44	12.022		
12,900.0	7,740.0	7,722.5	7,720.6	88.6	13.5	-88.54	-4,298.3	507.2	1,110.7	1,024.4	86.31	12.869		
13,000.0	7,740.0	7,723.1	7,721.2	90.3	13.5	-88.57	-4,298.3	507.2	1,164.8	1,080.8	84.00	13.867		
13,100.0	7,740.0	7,723.6	7,721.8	92.0	13.5	-88.61	-4,298.3	507.3	1,224.8	1,143.1	81.61	15.007		
13,200.0	7,740.0	7,724.2	7,722.3	93.7	13.5	-88.64	-4,298.3	507.3	1,289.7	1,210.4	79.24	16.275		
13,300.0	7,740.0	7,724.7	7,722.9	95.5	13.5	-88.67	-4,298.3	507.3	1,358.8	1,281.9	76.94	17.662		
13,400.0	7,740.0	7,725.3	7,723.4	97.2	13.5	-88.71	-4,298.3	507.3	1,431.6	1,356.9	74.74	19.156		
13,500.0	7,740.0	7,725.8	7,724.0	98.9	13.5	-88.74	-4,298.3	507.3	1,507.6	1,434.9	72.66	20.748		
13,600.0	7,740.0	7,726.4	7,724.5	100.7	13.5	-88.77	-4,298.3	507.3	1,586.2	1,515.4	70.72	22.428		
13,700.0	7,740.0	7,726.9	7,725.0	102.4	13.5	-88.80	-4,298.3	507.4	1,667.1	1,598.1	68.92	24.187		
13,800.0	7,740.0	7,727.4	7,725.6	104.1	13.6	-88.83	-4,298.3	507.4	1,749.9	1,682.7	67.26	26.017		
13,900.0	7,740.0	7,727.9	7,726.1	105.9	13.6	-88.87	-4,298.3	507.4	1,834.5	1,768.8	65.73	27.912		
14,000.0	7,740.0	7,728.4	7,726.6	107.6	13.6	-88.90	-4,298.3	507.4	1,920.6	1,856.2	64.31	29.863		
14,100.0	7,740.0	7,728.9	7,727.1	109.3	13.6	-88.93	-4,298.3	507.4	2,007.9	1,944.9	63.02	31.864		
14,200.0	7,740.0	7,729.4	7,727.6	111.1	13.6	-88.96	-4,298.3	507.4	2,096.4	2,034.6	61.82	33.910		
14,300.0	7,740.0	7,729.9	7,728.1	112.8	13.6	-88.98	-4,298.3	507.4	2,185.9	2,125.1	60.73	35.995		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - SOSA A UNIT 1 (EXISTING) - EXISTING - EXISTI													Offset Site Error:	0.0 ft
Survey Program: 100-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		
14,400.0	7,740.0	7,730.4	7,728.5	114.5	13.6	-89.01	-4,298.3	507.5	2,276.2	2,216.5	59.72	38.114		
14,500.0	7,740.0	7,730.9	7,729.0	116.3	13.6	-89.04	-4,298.3	507.5	2,367.4	2,308.6	58.80	40.263		
14,600.0	7,740.0	7,731.4	7,729.5	118.0	13.6	-89.07	-4,298.3	507.5	2,459.2	2,401.2	57.95	42.438		
14,700.0	7,740.0	7,731.8	7,730.0	119.7	13.6	-89.10	-4,298.3	507.5	2,551.6	2,494.4	57.17	44.635		
14,800.0	7,740.0	7,732.3	7,730.4	121.5	13.6	-89.13	-4,298.3	507.5	2,644.6	2,588.1	56.45	46.851		
14,900.0	7,740.0	7,732.7	7,730.9	123.2	13.6	-89.15	-4,298.3	507.5	2,738.1	2,682.3	55.79	49.082		
15,000.0	7,740.0	7,733.2	7,731.3	125.0	13.6	-89.18	-4,298.3	507.5	2,832.0	2,776.8	55.18	51.326		
15,100.0	7,740.0	7,733.6	7,731.8	126.7	13.6	-89.21	-4,298.3	507.5	2,926.3	2,871.7	54.62	53.581		
15,200.0	7,740.0	7,734.1	7,732.2	128.4	13.6	-89.23	-4,298.3	507.6	3,021.0	2,966.9	54.10	55.844		
15,300.0	7,740.0	7,734.5	7,732.6	130.2	13.6	-89.26	-4,298.3	507.6	3,116.0	3,062.4	53.62	58.113		
15,400.0	7,740.0	7,734.9	7,733.1	131.9	13.6	-89.28	-4,298.3	507.6	3,211.4	3,158.2	53.18	60.386		
15,500.0	7,740.0	7,735.3	7,733.5	133.7	13.6	-89.31	-4,298.3	507.6	3,307.0	3,254.2	52.77	62.662		
15,600.0	7,740.0	7,735.8	7,733.9	135.4	13.6	-89.33	-4,298.3	507.6	3,402.8	3,350.4	52.40	64.939		
15,700.0	7,740.0	7,736.2	7,734.3	137.2	13.6	-89.36	-4,298.3	507.6	3,498.9	3,446.8	52.05	67.216		
15,800.0	7,740.0	7,736.6	7,734.7	138.9	13.6	-89.38	-4,298.3	507.6	3,595.2	3,543.5	51.74	69.492		
15,900.0	7,740.0	7,737.0	7,735.1	140.6	13.6	-89.41	-4,298.3	507.6	3,691.7	3,640.3	51.44	71.765		
15,949.8	7,740.0	7,737.2	7,735.3	141.5	13.6	-89.42	-4,298.3	507.6	3,739.8	3,688.5	51.30	72.895		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SU													Offset Site Error:	0.0 ft
Survey Program: 838-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	11.7	11.7	0.0	0.0	152.78	-2,333.2	1,200.0	2,623.6					
100.0	100.0	118.3	118.3	0.2	0.2	152.79	-2,333.1	1,199.8	2,623.5	2,623.1	0.36	7,353.576		
200.0	200.0	224.9	224.9	0.3	0.4	152.79	-2,332.8	1,199.3	2,623.1	2,622.4	0.72	3,664.148		
236.3	236.3	263.6	263.6	0.4	0.5	-168.25	-2,332.7	1,199.1	2,623.0	2,622.1	0.85	3,099.349		
300.0	300.0	331.5	331.5	0.5	0.6	-168.24	-2,332.4	1,198.5	2,623.3	2,622.2	1.08	2,440.215		
400.0	400.0	438.0	438.0	0.7	0.8	-168.24	-2,331.9	1,197.5	2,624.9	2,623.5	1.43	1,830.083		
500.0	499.9	544.6	544.5	0.9	1.0	-168.23	-2,331.2	1,196.1	2,628.1	2,626.3	1.79	1,464.974		
600.0	599.7	651.1	651.0	1.1	1.1	-168.23	-2,330.4	1,194.4	2,632.6	2,630.5	2.15	1,222.239		
700.0	699.4	757.5	757.4	1.3	1.3	-168.23	-2,329.4	1,192.5	2,638.7	2,636.1	2.51	1,049.381		
760.9	760.0	822.2	822.2	1.4	1.5	-168.22	-2,328.7	1,191.1	2,643.0	2,640.3	2.73	966.624		
800.0	798.9	854.7	854.7	1.5	1.5	-168.23	-2,328.4	1,190.5	2,646.1	2,643.2	2.86	925.102		
900.0	898.4	908.1	908.1	1.7	1.6	-168.24	-2,328.2	1,189.9	2,654.8	2,651.7	3.13	848.193		
1,000.0	998.0	984.9	984.8	2.0	1.7	-168.26	-2,328.8	1,189.4	2,664.8	2,661.4	3.44	774.195		
1,100.0	1,097.5	1,060.0	1,059.9	2.2	1.9	-168.25	-2,330.9	1,188.1	2,675.9	2,672.2	3.75	712.715		
1,200.0	1,197.0	1,113.3	1,113.1	2.5	2.0	-168.22	-2,333.3	1,186.8	2,688.3	2,684.3	4.03	666.630		
1,300.0	1,296.5	1,180.9	1,180.5	2.7	2.1	-168.16	-2,337.6	1,184.6	2,702.0	2,697.7	4.33	623.374		
1,400.0	1,396.0	1,269.6	1,268.9	2.9	2.3	-168.07	-2,344.5	1,181.1	2,716.6	2,711.9	4.69	579.540		
1,500.0	1,495.6	1,374.6	1,373.5	3.2	2.5	-167.95	-2,352.3	1,176.5	2,730.8	2,725.7	5.08	537.767		
1,600.0	1,595.1	1,472.7	1,471.1	3.4	2.7	-167.83	-2,360.2	1,171.9	2,745.4	2,739.9	5.46	503.031		
1,700.0	1,694.6	1,562.0	1,560.1	3.7	2.9	-167.73	-2,367.3	1,167.8	2,760.0	2,754.2	5.82	474.217		
1,800.0	1,794.1	1,640.8	1,638.4	3.9	3.0	-167.62	-2,374.2	1,164.0	2,775.1	2,769.0	6.17	450.022		
1,900.0	1,893.7	1,716.0	1,713.2	4.1	3.2	-167.51	-2,381.7	1,159.9	2,791.0	2,784.5	6.51	428.795		
2,000.0	1,993.2	1,801.4	1,797.9	4.4	3.4	-167.37	-2,391.0	1,155.0	2,807.7	2,800.9	6.88	407.908		
2,100.0	2,092.7	1,886.7	1,882.4	4.6	3.7	-167.21	-2,400.9	1,149.0	2,824.7	2,817.4	7.27	388.682		
2,200.0	2,192.2	1,952.0	1,947.0	4.9	3.8	-167.07	-2,409.4	1,144.3	2,842.5	2,834.9	7.60	373.907		
2,300.0	2,291.7	2,040.2	2,034.1	5.1	4.1	-166.87	-2,421.8	1,137.3	2,861.2	2,853.2	8.01	357.088		
2,400.0	2,391.3	2,109.7	2,102.6	5.4	4.3	-166.70	-2,432.2	1,131.3	2,880.5	2,872.1	8.38	343.843		
2,500.0	2,490.8	2,210.2	2,201.3	5.6	4.6	-166.45	-2,448.2	1,122.4	2,900.6	2,891.7	8.83	328.323		
2,600.0	2,590.3	2,313.8	2,303.4	5.8	5.0	-166.20	-2,464.1	1,113.7	2,920.3	2,911.0	9.30	313.977		
2,700.0	2,689.8	2,427.3	2,415.1	6.1	5.3	-165.93	-2,481.0	1,103.9	2,939.6	2,929.8	9.80	299.863		
2,800.0	2,789.3	2,530.8	2,517.0	6.3	5.7	-165.68	-2,496.4	1,094.3	2,958.6	2,948.4	10.28	287.669		
2,900.0	2,888.9	2,627.2	2,611.8	6.6	6.0	-165.43	-2,510.9	1,084.5	2,977.6	2,966.8	10.75	277.016		
3,000.0	2,988.4	2,710.1	2,693.4	6.8	6.3	-165.23	-2,523.4	1,076.6	2,996.9	2,985.7	11.16	268.497		
3,100.0	3,087.9	2,793.9	2,775.9	7.1	6.5	-165.04	-2,536.4	1,069.3	3,016.7	3,005.2	11.57	260.650		
3,200.0	3,187.4	2,907.2	2,887.5	7.3	6.9	-164.79	-2,553.4	1,059.7	3,036.4	3,024.4	12.08	251.399		
3,300.0	3,286.9	3,006.6	2,985.4	7.5	7.2	-164.58	-2,568.2	1,051.3	3,056.1	3,043.6	12.54	243.718		
3,400.0	3,386.5	3,107.7	3,085.1	7.8	7.6	-164.36	-2,583.0	1,042.5	3,075.5	3,062.5	13.01	236.425		
3,500.0	3,486.0	3,210.8	3,186.6	8.0	7.9	-164.14	-2,598.4	1,033.6	3,095.1	3,081.6	13.48	229.580		
3,600.0	3,585.5	3,318.0	3,292.3	8.3	8.3	-163.92	-2,613.5	1,024.4	3,114.1	3,100.2	13.96	223.067		
3,700.0	3,685.0	3,404.9	3,378.1	8.5	8.6	-163.76	-2,625.8	1,017.5	3,133.4	3,119.0	14.38	217.894		
3,800.0	3,784.6	3,489.1	3,461.0	8.8	8.9	-163.58	-2,638.3	1,010.0	3,153.0	3,138.2	14.80	213.020		
3,900.0	3,884.1	3,584.4	3,554.7	9.0	9.2	-163.37	-2,653.2	1,000.9	3,173.1	3,157.9	15.26	207.927		
4,000.0	3,983.6	3,703.7	3,672.2	9.3	9.6	-163.12	-2,670.9	990.1	3,192.8	3,177.0	15.79	202.197		
4,100.0	4,083.1	3,804.9	3,771.9	9.5	9.9	-162.93	-2,685.3	981.4	3,212.0	3,195.8	16.25	197.692		
4,200.0	4,182.6	3,924.0	3,889.5	9.7	10.3	-162.72	-2,701.8	971.6	3,231.1	3,214.3	16.77	192.654		
4,300.0	4,282.2	4,008.1	3,972.4	10.0	10.6	-162.55	-2,713.5	964.0	3,250.0	3,232.8	17.18	189.140		
4,400.0	4,381.7	4,100.1	4,063.1	10.2	10.9	-162.37	-2,726.7	955.2	3,269.2	3,251.6	17.64	185.357		
4,500.0	4,481.2	4,178.0	4,139.7	10.5	11.2	-162.20	-2,738.5	947.3	3,288.9	3,270.8	18.04	182.317		
4,600.0	4,580.7	4,263.5	4,223.8	10.7	11.5	-162.03	-2,751.7	939.3	3,309.1	3,290.7	18.46	179.252		
4,700.0	4,680.2	4,359.9	4,393.7	11.0	12.1	-161.71	-2,775.9	923.5	3,328.2	3,309.0	19.16	173.688		
4,800.0	4,779.8	4,512.0	4,468.9	11.2	12.3	-161.58	-2,785.9	916.6	3,346.6	3,327.0	19.55	171.192		
4,900.0	4,879.3	4,621.6	4,576.9	11.4	12.7	-161.38	-2,801.1	906.6	3,365.6	3,345.6	20.04	167.942		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SU												Offset Site Error:	0.0 ft
Survey Program: 838-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,000.0	4,978.8	4,687.0	4,641.4	11.7	12.9	-161.27	-2,810.0	900.9	3,384.6	3,364.2	20.39	166.002	
5,100.0	5,078.3	4,755.7	4,709.1	11.9	13.2	-161.14	-2,820.1	894.5	3,404.4	3,383.6	20.76	163.996	
5,200.0	5,177.9	4,914.2	4,865.2	12.2	13.7	-160.85	-2,843.1	879.5	3,424.0	3,402.6	21.42	159.873	
5,300.0	5,277.4	5,014.2	4,963.9	12.4	14.0	-160.68	-2,856.3	870.4	3,442.6	3,420.8	21.88	157.355	
5,400.0	5,376.9	5,108.7	5,057.2	12.7	14.3	-160.52	-2,868.9	861.6	3,461.2	3,438.9	22.32	155.084	
5,500.0	5,476.4	5,192.2	5,139.6	12.9	14.6	-160.39	-2,880.0	854.6	3,480.1	3,457.4	22.71	153.222	
5,600.0	5,575.9	5,284.6	5,230.9	13.2	14.9	-160.27	-2,892.5	847.6	3,499.5	3,476.4	23.13	151.303	
5,700.0	5,675.5	5,377.0	5,323.3	13.4	15.4	-160.06	-2,911.6	835.6	3,517.9	3,494.1	23.74	148.182	
5,800.0	5,775.0	5,510.0	5,453.7	13.6	15.6	-159.95	-2,920.7	829.3	3,536.0	3,511.8	24.10	146.691	
5,900.0	5,874.5	5,593.1	5,535.8	13.9	15.9	-159.83	-2,931.7	822.2	3,554.8	3,530.3	24.51	145.056	
6,000.0	5,974.0	5,700.8	5,642.1	14.1	16.2	-159.66	-2,946.0	812.6	3,573.7	3,548.7	24.98	143.045	
6,100.0	6,073.5	5,857.2	5,796.9	14.4	16.7	-159.45	-2,964.9	799.9	3,591.7	3,566.1	25.59	140.337	
6,200.0	6,173.1	5,935.9	5,874.8	14.6	16.9	-159.35	-2,973.8	793.6	3,609.1	3,583.1	25.97	138.981	
6,300.0	6,272.6	6,033.9	5,971.8	14.9	17.2	-159.24	-2,985.2	786.2	3,626.8	3,600.4	26.39	137.438	
6,400.0	6,372.1	6,211.1	6,147.9	15.1	17.7	-159.09	-3,002.8	775.9	3,643.6	3,616.6	27.00	134.969	
6,500.0	6,471.6	6,513.8	6,450.1	15.4	18.1	-159.07	-3,015.4	767.8	3,654.7	3,627.0	27.70	131.934	
6,600.0	6,571.1	6,658.2	6,594.4	15.6	18.3	-159.14	-3,016.0	767.2	3,664.1	3,636.1	28.07	130.518	
6,700.0	6,670.7	6,771.0	6,707.3	15.8	18.4	-159.20	-3,015.4	767.0	3,672.7	3,644.3	28.40	129.297	
6,800.0	6,770.2	6,884.0	6,820.3	16.1	18.5	-159.26	-3,014.5	766.8	3,681.0	3,652.3	28.74	128.098	
6,900.0	6,869.7	6,989.4	6,925.7	16.3	18.7	-159.32	-3,013.3	766.4	3,689.0	3,659.9	29.06	126.948	
7,000.0	6,969.2	7,087.7	7,024.0	16.6	18.8	-159.37	-3,012.2	765.9	3,696.9	3,667.5	29.38	125.845	
7,100.0	7,068.8	7,180.1	7,116.4	16.8	18.9	-159.42	-3,011.4	765.2	3,704.9	3,675.3	29.69	124.785	
7,156.2	7,124.7	7,231.0	7,167.2	17.0	18.9	-159.44	-3,011.1	764.7	3,709.6	3,679.7	29.87	124.203	
7,200.0	7,168.4	7,288.2	7,224.5	17.0	19.0	-108.13	-3,010.7	763.9	3,711.6	3,681.5	30.04	123.558	
7,250.0	7,218.2	7,344.2	7,280.4	17.1	19.1	-53.79	-3,010.2	762.9	3,709.8	3,679.6	30.23	122.719	
7,300.0	7,267.7	7,384.0	7,320.2	17.1	19.1	-38.38	-3,009.9	762.2	3,703.9	3,673.5	30.41	121.818	
7,350.0	7,316.4	7,423.0	7,359.2	17.1	19.2	-32.64	-3,009.7	761.6	3,694.1	3,663.6	30.59	120.770	
7,400.0	7,363.9	7,468.2	7,404.5	17.0	19.2	-30.05	-3,009.6	761.0	3,680.4	3,649.6	30.79	119.540	
7,450.0	7,410.0	7,511.8	7,448.0	16.9	19.3	-28.91	-3,009.4	760.3	3,662.9	3,631.9	31.00	118.176	
7,500.0	7,454.3	7,551.8	7,488.0	16.8	19.3	-28.63	-3,009.3	759.8	3,641.6	3,610.4	31.20	116.705	
7,550.0	7,496.3	7,589.6	7,525.8	16.7	19.4	-28.99	-3,009.2	759.4	3,616.9	3,585.4	31.42	115.120	
7,600.0	7,535.9	7,625.1	7,561.3	16.5	19.4	-29.89	-3,009.2	759.1	3,588.8	3,557.1	31.64	113.429	
7,650.0	7,572.7	7,659.1	7,595.3	16.4	19.4	-31.35	-3,009.1	758.9	3,557.6	3,525.7	31.87	111.642	
7,700.0	7,606.4	7,691.5	7,627.7	16.3	19.5	-33.41	-3,009.1	758.7	3,523.5	3,491.4	32.10	109.770	
7,750.0	7,636.7	7,720.7	7,656.9	16.2	19.5	-36.16	-3,009.0	758.7	3,486.8	3,454.4	32.34	107.826	
7,800.0	7,663.5	7,746.3	7,682.5	16.1	19.5	-39.76	-3,008.9	758.7	3,447.7	3,415.1	32.58	105.822	
7,850.0	7,686.5	7,768.2	7,704.4	16.0	19.6	-44.40	-3,008.8	758.7	3,406.6	3,373.8	32.83	103.772	
7,900.0	7,705.6	7,786.2	7,722.4	16.0	19.6	-50.36	-3,008.8	758.8	3,363.8	3,330.8	33.08	101.687	
7,950.0	7,720.6	7,800.4	7,736.6	16.0	19.6	-57.92	-3,008.8	758.8	3,319.7	3,286.4	33.34	99.582	
8,000.0	7,731.4	7,810.6	7,746.8	16.0	19.6	-67.25	-3,008.7	758.8	3,274.5	3,240.9	33.60	97.469	
8,050.0	7,737.8	7,816.6	7,752.8	16.1	19.6	-78.23	-3,008.7	758.8	3,228.6	3,194.8	33.86	95.362	
8,099.8	7,740.0	7,818.6	7,754.8	16.2	19.6	-90.18	-3,008.7	758.8	3,182.6	3,148.5	34.12	93.284	
8,200.0	7,740.0	7,818.4	7,754.6	16.6	19.6	-90.17	-3,008.7	758.8	3,090.1	3,055.4	34.66	89.147	
8,300.0	7,740.0	7,818.1	7,754.3	17.2	19.6	-90.16	-3,008.7	758.8	2,998.3	2,963.1	35.24	85.072	
8,400.0	7,740.0	7,817.9	7,754.1	17.9	19.6	-90.15	-3,008.7	758.8	2,907.0	2,871.2	35.87	81.052	
8,500.0	7,740.0	7,817.7	7,753.9	18.8	19.6	-90.14	-3,008.7	758.8	2,816.4	2,779.9	36.53	77.092	
8,600.0	7,740.0	7,817.5	7,753.7	19.8	19.6	-90.13	-3,008.7	758.8	2,726.4	2,689.1	37.25	73.195	
8,700.0	7,740.0	7,817.2	7,753.4	20.9	19.6	-90.12	-3,008.7	758.8	2,637.1	2,599.1	38.02	69.367	
8,800.0	7,740.0	7,817.0	7,753.2	22.0	19.6	-90.10	-3,008.7	758.8	2,548.6	2,509.7	38.84	65.611	
8,900.0	7,740.0	7,816.8	7,753.0	23.3	19.6	-90.09	-3,008.7	758.8	2,461.0	2,421.2	39.73	61.935	
9,000.0	7,740.0	7,816.6	7,752.8	24.6	19.6	-90.08	-3,008.7	758.8	2,374.3	2,333.6	40.70	58.343	
9,100.0	7,740.0	7,816.3	7,752.5	25.9	19.6	-90.07	-3,008.7	758.8	2,288.8	2,247.0	41.73	54.844	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SU													Offset Site Error:	0.0 ft
Survey Program: 838-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)				
9,200.0	7,740.0	7,816.1	7,752.3	27.3	19.6	-90.06	-3,008.7	758.8	2,204.4	2,161.6	42.85	51.444		
9,300.0	7,740.0	7,815.9	7,752.1	28.8	19.6	-90.05	-3,008.7	758.8	2,121.5	2,077.4	44.06	48.152		
9,400.0	7,740.0	7,815.7	7,751.9	30.3	19.6	-90.04	-3,008.7	758.8	2,040.0	1,994.7	45.36	44.974		
9,500.0	7,740.0	7,815.4	7,751.6	31.8	19.6	-90.03	-3,008.7	758.8	1,960.3	1,913.5	46.76	41.921		
9,600.0	7,740.0	7,815.2	7,751.4	33.3	19.6	-90.02	-3,008.7	758.8	1,882.5	1,834.3	48.27	38.999		
9,700.0	7,740.0	7,815.0	7,751.2	34.8	19.6	-90.01	-3,008.7	758.8	1,806.9	1,757.0	49.89	36.219		
9,800.0	7,740.0	7,814.8	7,751.0	36.4	19.6	-90.00	-3,008.7	758.8	1,733.8	1,682.2	51.62	33.589		
9,900.0	7,740.0	7,814.5	7,750.7	38.0	19.6	-89.99	-3,008.7	758.8	1,663.5	1,610.0	53.46	31.118		
10,000.0	7,740.0	7,814.3	7,750.5	39.6	19.6	-89.98	-3,008.7	758.8	1,596.3	1,540.9	55.40	28.813		
10,100.0	7,740.0	7,814.1	7,750.3	41.2	19.6	-89.96	-3,008.7	758.8	1,532.7	1,475.3	57.44	26.684		
10,200.0	7,740.0	7,813.8	7,750.0	42.8	19.6	-89.95	-3,008.7	758.8	1,473.2	1,413.7	59.55	24.738		
10,300.0	7,740.0	7,813.6	7,749.8	44.5	19.6	-89.94	-3,008.7	758.8	1,418.3	1,356.5	61.71	22.981		
10,400.0	7,740.0	7,813.4	7,749.6	46.1	19.6	-89.93	-3,008.7	758.8	1,368.4	1,304.5	63.89	21.419		
10,500.0	7,740.0	7,813.1	7,749.3	47.8	19.6	-89.92	-3,008.7	758.8	1,324.2	1,258.2	66.02	20.058		
10,600.0	7,740.0	7,812.9	7,749.1	49.4	19.6	-89.91	-3,008.7	758.8	1,286.3	1,218.3	68.06	18.901		
10,700.0	7,740.0	7,812.7	7,748.9	51.1	19.6	-89.90	-3,008.7	758.8	1,255.3	1,185.4	69.93	17.950		
10,800.0	7,740.0	7,812.4	7,748.6	52.7	19.6	-89.89	-3,008.7	758.8	1,231.6	1,160.0	71.58	17.206		
10,900.0	7,740.0	7,812.2	7,748.4	54.4	19.6	-89.88	-3,008.7	758.8	1,215.7	1,142.8	72.93	16.669		
11,000.0	7,740.0	7,812.0	7,748.2	56.1	19.6	-89.86	-3,008.7	758.8	1,207.9	1,133.9	73.94	16.336		
11,044.6	7,740.0	7,811.9	7,748.1	56.8	19.6	-89.86	-3,008.7	758.8	1,207.1	1,132.8	74.27	16.252 CC, ES		
11,100.0	7,740.0	7,811.7	7,747.9	57.8	19.6	-89.85	-3,008.7	758.8	1,208.3	1,133.8	74.58	16.202 SF		
11,200.0	7,740.0	7,811.5	7,747.7	59.5	19.6	-89.84	-3,008.7	758.8	1,217.0	1,142.2	74.83	16.263		
11,300.0	7,740.0	7,811.3	7,747.5	61.2	19.6	-89.83	-3,008.7	758.8	1,233.8	1,159.1	74.72	16.511		
11,400.0	7,740.0	7,811.0	7,747.2	62.9	19.6	-89.82	-3,008.7	758.8	1,258.3	1,184.0	74.29	16.937		
11,500.0	7,740.0	7,810.8	7,747.0	64.6	19.6	-89.81	-3,008.7	758.8	1,290.1	1,216.5	73.59	17.531		
11,600.0	7,740.0	7,810.5	7,746.7	66.3	19.6	-89.80	-3,008.7	758.8	1,328.7	1,256.0	72.68	18.283		
11,700.0	7,740.0	7,810.3	7,746.5	68.0	19.6	-89.79	-3,008.7	758.8	1,373.5	1,301.9	71.61	19.180		
11,800.0	7,740.0	7,810.1	7,746.3	69.7	19.6	-89.77	-3,008.7	758.8	1,423.9	1,353.5	70.45	20.212		
11,900.0	7,740.0	7,809.8	7,746.0	71.4	19.6	-89.76	-3,008.7	758.8	1,479.4	1,410.2	69.24	21.367		
12,000.0	7,740.0	7,809.6	7,745.8	73.1	19.6	-89.75	-3,008.7	758.8	1,539.4	1,471.4	68.01	22.634		
12,100.0	7,740.0	7,809.3	7,745.5	74.8	19.6	-89.74	-3,008.7	758.8	1,603.4	1,536.6	66.80	24.002		
12,200.0	7,740.0	7,809.1	7,745.3	76.5	19.6	-89.73	-3,008.7	758.8	1,670.9	1,605.3	65.63	25.461		
12,300.0	7,740.0	7,808.9	7,745.1	78.2	19.6	-89.72	-3,008.7	758.8	1,741.5	1,677.0	64.50	27.002		
12,400.0	7,740.0	7,808.6	7,744.8	79.9	19.6	-89.71	-3,008.7	758.8	1,815.0	1,751.5	63.42	28.616		
12,500.0	7,740.0	7,808.4	7,744.6	81.7	19.6	-89.69	-3,008.7	758.8	1,890.8	1,828.4	62.41	30.295		
12,600.0	7,740.0	7,808.1	7,744.3	83.4	19.6	-89.68	-3,008.7	758.8	1,968.8	1,907.3	61.46	32.032		
12,700.0	7,740.0	7,807.9	7,744.1	85.1	19.6	-89.67	-3,008.7	758.8	2,048.7	1,988.1	60.58	33.821		
12,800.0	7,740.0	7,807.6	7,743.8	86.8	19.6	-89.66	-3,008.7	758.8	2,130.3	2,070.6	59.75	35.655		
12,900.0	7,740.0	7,807.4	7,743.6	88.6	19.6	-89.65	-3,008.7	758.8	2,213.5	2,154.5	58.98	37.529		
13,000.0	7,740.0	7,807.2	7,743.4	90.3	19.6	-89.64	-3,008.7	758.8	2,297.9	2,239.7	58.27	39.439		
13,100.0	7,740.0	7,806.9	7,743.1	92.0	19.6	-89.63	-3,008.7	758.8	2,383.6	2,326.0	57.60	41.380		
13,200.0	7,740.0	7,806.7	7,742.9	93.7	19.6	-89.61	-3,008.7	758.8	2,470.4	2,413.4	56.99	43.347		
13,300.0	7,740.0	7,806.4	7,742.6	95.5	19.6	-89.60	-3,008.7	758.8	2,558.1	2,501.6	56.42	45.339		
13,400.0	7,740.0	7,806.2	7,742.4	97.2	19.6	-89.59	-3,008.7	758.8	2,646.7	2,590.8	55.90	47.350		
13,500.0	7,740.0	7,805.9	7,742.1	98.9	19.6	-89.58	-3,008.7	758.8	2,736.0	2,680.6	55.41	49.379		
13,600.0	7,740.0	7,805.7	7,741.9	100.7	19.6	-89.57	-3,008.8	758.8	2,826.1	2,771.2	54.96	51.423		
13,700.0	7,740.0	7,805.4	7,741.6	102.4	19.6	-89.55	-3,008.8	758.8	2,916.9	2,862.3	54.54	53.480		
13,800.0	7,740.0	7,805.2	7,741.4	104.1	19.6	-89.54	-3,008.8	758.8	3,008.2	2,954.0	54.16	55.547		
13,900.0	7,740.0	7,804.9	7,741.1	105.9	19.6	-89.53	-3,008.8	758.8	3,100.0	3,046.2	53.80	57.622		
14,000.0	7,740.0	7,804.7	7,740.9	107.6	19.6	-89.52	-3,008.8	758.8	3,192.4	3,138.9	53.47	59.704		
14,100.0	7,740.0	7,804.4	7,740.6	109.3	19.6	-89.51	-3,008.8	758.8	3,285.2	3,232.0	53.17	61.792		
14,200.0	7,740.0	7,804.2	7,740.4	111.1	19.6	-89.50	-3,008.8	758.8	3,378.4	3,325.5	52.88	63.883		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SU										Offset Site Error:		0.0 ft	
Survey Program: 838-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	
14,300.0	7,740.0	7,803.9	7,740.1	112.8	19.6	-89.48	-3,008.8	758.8	3,472.0	3,419.3	52.62	65.977	
14,400.0	7,740.0	7,803.7	7,739.9	114.5	19.6	-89.47	-3,008.8	758.8	3,565.9	3,513.5	52.38	68.072	
14,500.0	7,740.0	7,803.4	7,739.6	116.3	19.6	-89.46	-3,008.8	758.8	3,660.1	3,608.0	52.16	70.168	
14,600.0	7,740.0	7,803.2	7,739.4	118.0	19.6	-89.45	-3,008.8	758.8	3,754.7	3,702.7	51.96	72.263	
14,700.0	7,740.0	7,802.9	7,739.1	119.7	19.6	-89.44	-3,008.8	758.8	3,849.5	3,797.7	51.77	74.357	
14,800.0	7,740.0	7,802.7	7,738.9	121.5	19.6	-89.42	-3,008.8	758.8	3,944.6	3,893.0	51.60	76.449	
14,900.0	7,740.0	7,802.4	7,738.6	123.2	19.6	-89.41	-3,008.8	758.8	4,039.9	3,988.5	51.44	78.538	
15,000.0	7,740.0	7,802.1	7,738.3	125.0	19.6	-89.40	-3,008.8	758.8	4,135.5	4,084.2	51.29	80.624	
15,100.0	7,740.0	7,801.9	7,738.1	126.7	19.6	-89.39	-3,008.8	758.8	4,231.2	4,180.0	51.16	82.706	
15,200.0	7,740.0	7,801.6	7,737.8	128.4	19.6	-89.37	-3,008.8	758.8	4,327.1	4,276.1	51.04	84.783	
15,300.0	7,740.0	7,801.4	7,737.6	130.2	19.6	-89.36	-3,008.8	758.8	4,423.3	4,372.3	50.93	86.855	
15,400.0	7,740.0	7,801.1	7,737.3	131.9	19.6	-89.35	-3,008.8	758.8	4,519.5	4,468.7	50.83	88.923	
15,500.0	7,740.0	7,800.9	7,737.1	133.7	19.6	-89.34	-3,008.8	758.8	4,616.0	4,565.3	50.73	90.984	
15,600.0	7,740.0	7,800.6	7,736.8	135.4	19.6	-89.33	-3,008.8	758.8	4,712.6	4,661.9	50.65	93.039	
15,700.0	7,740.0	7,800.3	7,736.5	137.2	19.6	-89.31	-3,008.8	758.8	4,809.3	4,758.7	50.58	95.088	
15,800.0	7,740.0	7,800.1	7,736.3	138.9	19.6	-89.30	-3,008.8	758.8	4,906.2	4,855.7	50.51	97.131	
15,900.0	7,740.0	7,799.8	7,736.0	140.6	19.6	-89.29	-3,008.8	758.8	5,003.2	4,952.7	50.45	99.166	
15,949.8	7,740.0	7,799.7	7,735.9	141.5	19.6	-89.28	-3,008.8	758.8	5,051.5	5,001.1	50.43	100.177	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Thomas 7-12 (Existing) - Existing - NO SURVEYS											Offset Site Error: 0.0 ft		
Survey Program: 7894-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	-179.36	-983.2	-10.9	983.3				
100.0	100.0	88.0	88.0	0.2	0.2	-179.36	-983.2	-10.9	983.2	982.9	0.31	3,217.061	
200.0	200.0	188.0	188.0	0.3	0.3	-179.36	-983.2	-10.9	983.2	982.6	0.65	1,501.820	
300.0	300.0	288.0	288.0	0.5	0.5	-140.44	-983.2	-10.9	983.9	982.9	1.00	979.862	
400.0	400.0	388.0	388.0	0.7	0.7	-140.52	-983.2	-10.9	985.9	984.6	1.36	727.487	
500.0	499.9	487.9	487.9	0.9	0.9	-140.66	-983.2	-10.9	989.3	987.6	1.71	578.707	
600.0	599.7	587.7	587.7	1.1	1.0	-140.85	-983.2	-10.9	994.0	992.0	2.07	480.623	
700.0	699.4	687.4	687.4	1.3	1.2	-141.10	-983.2	-10.9	1,000.1	997.7	2.43	411.145	
760.9	760.0	748.0	748.0	1.4	1.3	-141.27	-983.2	-10.9	1,004.5	1,001.9	2.66	378.066	
800.0	798.9	786.9	786.9	1.5	1.4	-141.41	-983.2	-10.9	1,007.5	1,004.7	2.80	359.639	
900.0	898.4	886.4	886.4	1.7	1.5	-141.75	-983.2	-10.9	1,015.2	1,012.0	3.17	320.072	
1,000.0	998.0	986.0	986.0	2.0	1.7	-142.09	-983.2	-10.9	1,022.9	1,019.4	3.54	288.729	
1,100.0	1,097.5	1,085.5	1,085.5	2.2	1.9	-142.42	-983.2	-10.9	1,030.6	1,026.7	3.91	263.317	
1,200.0	1,197.0	1,185.0	1,185.0	2.5	2.1	-142.75	-983.2	-10.9	1,038.4	1,034.1	4.29	242.317	
1,300.0	1,296.5	1,284.5	1,284.5	2.7	2.2	-143.07	-983.2	-10.9	1,046.2	1,041.6	4.66	224.681	
1,400.0	1,396.0	1,384.0	1,384.0	2.9	2.4	-143.39	-983.2	-10.9	1,054.1	1,049.0	5.03	209.666	
1,500.0	1,495.6	1,483.6	1,483.6	3.2	2.6	-143.71	-983.2	-10.9	1,061.9	1,056.5	5.40	196.735	
1,600.0	1,595.1	1,583.1	1,583.1	3.4	2.8	-144.02	-983.2	-10.9	1,069.8	1,064.1	5.77	185.483	
1,700.0	1,694.6	1,682.6	1,682.6	3.7	2.9	-144.32	-983.2	-10.9	1,077.8	1,071.6	6.14	175.606	
1,800.0	1,794.1	1,782.1	1,782.1	3.9	3.1	-144.62	-983.2	-10.9	1,085.8	1,079.2	6.51	166.868	
1,900.0	1,893.7	1,881.7	1,881.7	4.1	3.3	-144.92	-983.2	-10.9	1,093.7	1,086.9	6.88	159.083	
2,000.0	1,993.2	1,981.2	1,981.2	4.4	3.5	-145.21	-983.2	-10.9	1,101.8	1,094.5	7.24	152.106	
2,100.0	2,092.7	2,080.7	2,080.7	4.6	3.6	-145.50	-983.2	-10.9	1,109.8	1,102.2	7.61	145.817	
2,200.0	2,192.2	2,180.2	2,180.2	4.9	3.8	-145.78	-983.2	-10.9	1,117.9	1,109.9	7.98	140.119	
2,300.0	2,291.7	2,279.7	2,279.7	5.1	4.0	-146.06	-983.2	-10.9	1,126.0	1,117.7	8.34	134.935	
2,400.0	2,391.3	2,379.3	2,379.3	5.4	4.2	-146.33	-983.2	-10.9	1,134.1	1,125.4	8.71	130.197	
2,500.0	2,490.8	2,478.8	2,478.8	5.6	4.3	-146.61	-983.2	-10.9	1,142.3	1,133.2	9.08	125.851	
2,600.0	2,590.3	2,578.3	2,578.3	5.8	4.5	-146.87	-983.2	-10.9	1,150.5	1,141.1	9.44	121.851	
2,700.0	2,689.8	2,677.8	2,677.8	6.1	4.7	-147.14	-983.2	-10.9	1,158.7	1,148.9	9.81	118.157	
2,800.0	2,789.3	2,777.3	2,777.3	6.3	4.8	-147.40	-983.2	-10.9	1,166.9	1,156.8	10.17	114.735	
2,900.0	2,888.9	2,876.9	2,876.9	6.6	5.0	-147.65	-983.2	-10.9	1,175.2	1,164.7	10.53	111.557	
3,000.0	2,988.4	2,976.4	2,976.4	6.8	5.2	-147.91	-983.2	-10.9	1,183.5	1,172.6	10.90	108.598	
3,100.0	3,087.9	3,075.9	3,075.9	7.1	5.4	-148.16	-983.2	-10.9	1,191.8	1,180.5	11.26	105.836	
3,200.0	3,187.4	3,175.4	3,175.4	7.3	5.5	-148.40	-983.2	-10.9	1,200.1	1,188.5	11.62	103.252	
3,300.0	3,286.9	3,274.9	3,274.9	7.5	5.7	-148.64	-983.2	-10.9	1,208.4	1,196.5	11.98	100.830	
3,400.0	3,386.5	3,374.5	3,374.5	7.8	5.9	-148.88	-983.2	-10.9	1,216.8	1,204.5	12.35	98.555	
3,500.0	3,486.0	3,474.0	3,474.0	8.0	6.1	-149.12	-983.2	-10.9	1,225.2	1,212.5	12.71	96.414	
3,600.0	3,585.5	3,573.5	3,573.5	8.3	6.2	-149.35	-983.2	-10.9	1,233.6	1,220.5	13.07	94.395	
3,700.0	3,685.0	3,673.0	3,673.0	8.5	6.4	-149.58	-983.2	-10.9	1,242.0	1,228.6	13.43	92.490	
3,800.0	3,784.6	3,772.6	3,772.6	8.8	6.6	-149.81	-983.2	-10.9	1,250.5	1,236.7	13.79	90.688	
3,900.0	3,884.1	3,872.1	3,872.1	9.0	6.8	-150.03	-983.2	-10.9	1,259.0	1,244.8	14.15	88.981	
4,000.0	3,983.6	3,971.6	3,971.6	9.3	6.9	-150.25	-983.2	-10.9	1,267.4	1,252.9	14.51	87.362	
4,100.0	4,083.1	4,071.1	4,071.1	9.5	7.1	-150.47	-983.2	-10.9	1,275.9	1,261.1	14.87	85.825	
4,200.0	4,182.6	4,170.6	4,170.6	9.7	7.3	-150.68	-983.2	-10.9	1,284.5	1,269.2	15.23	84.363	
4,300.0	4,282.2	4,270.2	4,270.2	10.0	7.5	-150.90	-983.2	-10.9	1,293.0	1,277.4	15.58	82.972	
4,400.0	4,381.7	4,369.7	4,369.7	10.2	7.6	-151.10	-983.2	-10.9	1,301.6	1,285.6	15.94	81.645	
4,500.0	4,481.2	4,469.2	4,469.2	10.5	7.8	-151.31	-983.2	-10.9	1,310.1	1,293.8	16.30	80.380	
4,600.0	4,580.7	4,568.7	4,568.7	10.7	8.0	-151.51	-983.2	-10.9	1,318.7	1,302.1	16.66	79.171	
4,700.0	4,680.2	4,668.2	4,668.2	11.0	8.1	-151.72	-983.2	-10.9	1,327.3	1,310.3	17.01	78.016	
4,800.0	4,779.8	4,767.8	4,767.8	11.2	8.3	-151.91	-983.2	-10.9	1,336.0	1,318.6	17.37	76.910	
4,900.0	4,879.3	4,867.3	4,867.3	11.4	8.5	-152.11	-983.2	-10.9	1,344.6	1,326.9	17.73	75.851	
5,000.0	4,978.8	4,966.8	4,966.8	11.7	8.7	-152.30	-983.2	-10.9	1,353.3	1,335.2	18.08	74.835	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Thomas 7-12 (Existing) - Existing - NO SURVEYS												Offset Site Error:	0.0 ft
Survey Program: 7894-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,100.0	5,078.3	5,066.3	5,066.3	11.9	8.8	-152.49	-983.2	-10.9	1,361.9	1,343.5	18.44	73.861	
5,200.0	5,177.9	5,165.9	5,165.9	12.2	9.0	-152.68	-983.2	-10.9	1,370.6	1,351.8	18.79	72.926	
5,300.0	5,277.4	5,265.4	5,265.4	12.4	9.2	-152.87	-983.2	-10.9	1,379.3	1,360.2	19.15	72.026	
5,400.0	5,376.9	5,364.9	5,364.9	12.7	9.4	-153.05	-983.2	-10.9	1,388.0	1,368.5	19.51	71.162	
5,500.0	5,476.4	5,464.4	5,464.4	12.9	9.5	-153.23	-983.2	-10.9	1,396.8	1,376.9	19.86	70.329	
5,600.0	5,575.9	5,563.9	5,563.9	13.2	9.7	-153.41	-983.2	-10.9	1,405.5	1,385.3	20.22	69.528	
5,700.0	5,675.5	5,663.5	5,663.5	13.4	9.9	-153.59	-983.2	-10.9	1,414.3	1,393.7	20.57	68.755	
5,800.0	5,775.0	5,763.0	5,763.0	13.6	10.1	-153.77	-983.2	-10.9	1,423.0	1,402.1	20.92	68.010	
5,900.0	5,874.5	5,862.5	5,862.5	13.9	10.2	-153.94	-983.2	-10.9	1,431.8	1,410.5	21.28	67.291	
6,000.0	5,974.0	5,962.0	5,962.0	14.1	10.4	-154.11	-983.2	-10.9	1,440.6	1,419.0	21.63	66.597	
6,100.0	6,073.5	6,061.5	6,061.5	14.4	10.6	-154.28	-983.2	-10.9	1,449.4	1,427.4	21.99	65.927	
6,200.0	6,173.1	6,161.1	6,161.1	14.6	10.8	-154.44	-983.2	-10.9	1,458.2	1,435.9	22.34	65.279	
6,300.0	6,272.6	6,260.6	6,260.6	14.9	10.9	-154.61	-983.2	-10.9	1,467.1	1,444.4	22.69	64.652	
6,400.0	6,372.1	6,360.1	6,360.1	15.1	11.1	-154.77	-983.2	-10.9	1,475.9	1,452.9	23.04	64.045	
6,500.0	6,471.6	6,459.6	6,459.6	15.4	11.3	-154.93	-983.2	-10.9	1,484.8	1,461.4	23.40	63.458	
6,600.0	6,571.1	6,559.1	6,559.1	15.6	11.4	-155.09	-983.2	-10.9	1,493.6	1,469.9	23.75	62.889	
6,700.0	6,670.7	6,658.7	6,658.7	15.8	11.6	-155.25	-983.2	-10.9	1,502.5	1,478.4	24.10	62.337	
6,800.0	6,770.2	6,758.2	6,758.2	16.1	11.8	-155.40	-983.2	-10.9	1,511.4	1,486.9	24.46	61.803	
6,900.0	6,869.7	6,857.7	6,857.7	16.3	12.0	-155.56	-983.2	-10.9	1,520.3	1,495.5	24.81	61.284	
7,000.0	6,969.2	6,957.2	6,957.2	16.6	12.1	-155.71	-983.2	-10.9	1,529.2	1,504.0	25.16	60.781	
7,100.0	7,068.8	7,056.8	7,056.8	16.8	12.3	-155.86	-983.2	-10.9	1,538.1	1,512.6	25.51	60.292	
7,156.2	7,124.7	7,112.7	7,112.7	17.0	12.4	-155.94	-983.2	-10.9	1,543.1	1,517.4	25.71	60.024	
7,200.0	7,168.4	7,156.4	7,156.4	17.0	12.5	-104.68	-983.2	-10.9	1,545.4	1,519.6	25.87	59.745	
7,250.0	7,218.2	7,206.2	7,206.2	17.1	12.6	-50.41	-983.2	-10.9	1,544.1	1,518.1	26.05	59.269	
7,300.0	7,267.7	7,255.7	7,255.7	17.1	12.7	-35.07	-983.2	-10.9	1,538.6	1,512.4	26.24	58.632	
7,350.0	7,316.4	7,304.4	7,304.4	17.1	12.7	-29.42	-983.2	-10.9	1,529.0	1,502.5	26.43	57.840	
7,400.0	7,363.9	7,351.9	7,351.9	17.0	12.8	-26.92	-983.2	-10.9	1,515.3	1,488.7	26.63	56.901	
7,450.0	7,410.0	7,398.0	7,398.0	16.9	12.9	-25.87	-983.2	-10.9	1,497.7	1,470.8	26.83	55.825	
7,500.0	7,454.3	7,442.3	7,442.3	16.8	13.0	-25.72	-983.2	-10.9	1,476.3	1,449.2	27.03	54.621	
7,550.0	7,496.3	7,484.3	7,484.3	16.7	13.1	-26.24	-983.2	-10.9	1,451.3	1,424.0	27.23	53.299	
7,600.0	7,535.9	7,523.9	7,523.9	16.5	13.1	-27.34	-983.2	-10.9	1,422.9	1,395.5	27.43	51.870	
7,650.0	7,572.7	7,560.7	7,560.7	16.4	13.2	-29.05	-983.2	-10.9	1,391.4	1,363.8	27.64	50.346	
7,700.0	7,606.4	7,594.4	7,594.4	16.3	13.3	-31.42	-983.2	-10.9	1,357.0	1,329.2	27.84	48.738	
7,750.0	7,636.7	7,624.7	7,624.7	16.2	13.3	-34.58	-983.2	-10.9	1,320.0	1,292.0	28.05	47.059	
7,800.0	7,663.5	7,651.5	7,651.5	16.1	13.4	-38.70	-983.2	-10.9	1,280.8	1,252.6	28.26	45.322	
7,850.0	7,686.5	7,674.5	7,674.5	16.0	13.4	-43.99	-983.2	-10.9	1,239.7	1,211.2	28.47	43.539	
7,900.0	7,705.6	7,693.6	7,693.6	16.0	13.4	-50.68	-983.2	-10.9	1,196.9	1,168.3	28.69	41.723	
7,950.0	7,720.6	7,708.6	7,708.6	16.0	13.5	-58.92	-983.2	-10.9	1,153.0	1,124.1	28.91	39.888	
8,000.0	7,731.4	7,719.4	7,719.4	16.0	13.5	-68.62	-983.2	-10.9	1,108.2	1,079.1	29.13	38.046	
8,050.0	7,737.8	7,725.8	7,725.8	16.1	13.5	-79.29	-983.2	-10.9	1,063.0	1,033.7	29.36	36.212	
8,099.8	7,740.0	7,728.0	7,728.0	16.2	13.5	-90.00	-983.2	-10.9	1,018.0	988.4	29.59	34.406	
8,200.0	7,740.0	7,728.0	7,728.0	16.6	13.5	-90.00	-983.2	-10.9	928.5	898.4	30.10	30.848	
8,300.0	7,740.0	7,728.0	7,728.0	17.2	13.5	-90.00	-983.2	-10.9	841.6	810.9	30.69	27.420	
8,400.0	7,740.0	7,728.0	7,728.0	17.9	13.5	-90.00	-983.2	-10.9	757.9	726.5	31.39	24.142	
8,500.0	7,740.0	7,728.0	7,728.0	18.8	13.5	-90.00	-983.2	-10.9	678.7	646.5	32.23	21.058	
8,600.0	7,740.0	7,728.0	7,728.0	19.8	13.5	-90.00	-983.2	-10.9	605.7	572.5	33.22	18.234	
8,700.0	7,740.0	7,728.0	7,728.0	20.9	13.5	-90.00	-983.2	-10.9	541.3	507.0	34.34	15.764	
8,800.0	7,740.0	7,728.0	7,728.0	22.0	13.5	-90.00	-983.2	-10.9	489.1	453.6	35.51	13.776	
8,900.0	7,740.0	7,728.0	7,728.0	23.3	13.5	-90.00	-983.2	-10.9	453.2	416.7	36.50	12.418	
9,000.0	7,740.0	7,728.0	7,728.0	24.6	13.5	-90.00	-983.2	-10.9	437.7	400.7	37.02	11.824	
9,019.1	7,740.0	7,728.0	7,728.0	24.8	13.5	-90.00	-983.2	-10.9	437.3	400.3	37.05	11.803 CC, ES, SF	
9,100.0	7,740.0	7,728.0	7,728.0	25.9	13.5	-90.00	-983.2	-10.9	444.7	407.9	36.89	12.057	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Thomas 7-12 (Existing) - Existing - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7894-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,200.0	7,740.0	7,728.0	7,728.0	27.3	13.5	-90.00	-983.2	-10.9	473.3	437.1	36.21	13.070		
9,300.0	7,740.0	7,728.0	7,728.0	28.8	13.5	-90.00	-983.2	-10.9	519.8	484.5	35.29	14.728		
9,400.0	7,740.0	7,728.0	7,728.0	30.3	13.5	-90.00	-983.2	-10.9	580.0	545.6	34.39	16.862		
9,500.0	7,740.0	7,728.0	7,728.0	31.8	13.5	-90.00	-983.2	-10.9	650.0	616.4	33.65	19.321		
9,600.0	7,740.0	7,728.0	7,728.0	33.3	13.5	-90.00	-983.2	-10.9	727.1	694.1	33.07	21.988		
9,700.0	7,740.0	7,728.0	7,728.0	34.8	13.5	-90.00	-983.2	-10.9	809.3	776.6	32.65	24.785		
9,800.0	7,740.0	7,728.0	7,728.0	36.4	13.5	-90.00	-983.2	-10.9	895.1	862.7	32.36	27.659		
9,900.0	7,740.0	7,728.0	7,728.0	38.0	13.5	-90.00	-983.2	-10.9	983.5	951.4	32.17	30.575		
10,000.0	7,740.0	7,728.0	7,728.0	39.6	13.5	-90.00	-983.2	-10.9	1,074.0	1,042.0	32.05	33.511		
10,100.0	7,740.0	7,728.0	7,728.0	41.2	13.5	-90.00	-983.2	-10.9	1,166.1	1,134.1	31.99	36.455		
10,200.0	7,740.0	7,728.0	7,728.0	42.8	13.5	-90.00	-983.2	-10.9	1,259.3	1,227.4	31.97	39.395		
10,300.0	7,740.0	7,728.0	7,728.0	44.5	13.5	-90.00	-983.2	-10.9	1,353.5	1,321.6	31.98	42.326		
10,400.0	7,740.0	7,728.0	7,728.0	46.1	13.5	-90.00	-983.2	-10.9	1,448.5	1,416.5	32.02	45.243		
10,500.0	7,740.0	7,728.0	7,728.0	47.8	13.5	-90.00	-983.2	-10.9	1,544.2	1,512.1	32.07	48.145		
10,600.0	7,740.0	7,728.0	7,728.0	49.4	13.5	-90.00	-983.2	-10.9	1,640.3	1,608.2	32.15	51.028		
10,700.0	7,740.0	7,728.0	7,728.0	51.1	13.5	-90.00	-983.2	-10.9	1,736.9	1,704.7	32.23	53.893		
10,800.0	7,740.0	7,728.0	7,728.0	52.7	13.5	-90.00	-983.2	-10.9	1,833.9	1,801.5	32.32	56.737		
10,900.0	7,740.0	7,728.0	7,728.0	54.4	13.5	-90.00	-983.2	-10.9	1,931.1	1,898.7	32.42	59.560		
11,000.0	7,740.0	7,728.0	7,728.0	56.1	13.5	-90.00	-983.2	-10.9	2,028.6	1,996.1	32.53	62.363		
11,100.0	7,740.0	7,728.0	7,728.0	57.8	13.5	-90.00	-983.2	-10.9	2,126.4	2,093.8	32.64	65.144		
11,200.0	7,740.0	7,728.0	7,728.0	59.5	13.5	-90.00	-983.2	-10.9	2,224.4	2,191.6	32.76	67.904		
11,300.0	7,740.0	7,728.0	7,728.0	61.2	13.5	-90.00	-983.2	-10.9	2,322.5	2,289.6	32.88	70.643		
11,400.0	7,740.0	7,728.0	7,728.0	62.9	13.5	-90.00	-983.2	-10.9	2,420.8	2,387.8	33.00	73.361		
11,500.0	7,740.0	7,728.0	7,728.0	64.6	13.5	-90.00	-983.2	-10.9	2,519.2	2,486.1	33.12	76.058		
11,600.0	7,740.0	7,728.0	7,728.0	66.3	13.5	-90.00	-983.2	-10.9	2,617.7	2,584.5	33.25	78.734		
11,700.0	7,740.0	7,728.0	7,728.0	68.0	13.5	-90.00	-983.2	-10.9	2,716.4	2,683.0	33.37	81.390		
11,800.0	7,740.0	7,728.0	7,728.0	69.7	13.5	-90.00	-983.2	-10.9	2,815.1	2,781.6	33.50	84.025		
11,900.0	7,740.0	7,728.0	7,728.0	71.4	13.5	-90.00	-983.2	-10.9	2,914.0	2,880.3	33.63	86.640		
12,000.0	7,740.0	7,728.0	7,728.0	73.1	13.5	-90.00	-983.2	-10.9	3,012.9	2,979.1	33.76	89.236		
12,100.0	7,740.0	7,728.0	7,728.0	74.8	13.5	-90.00	-983.2	-10.9	3,111.8	3,077.9	33.89	91.812		
12,200.0	7,740.0	7,728.0	7,728.0	76.5	13.5	-90.00	-983.2	-10.9	3,210.9	3,176.8	34.02	94.368		
12,300.0	7,740.0	7,728.0	7,728.0	78.2	13.5	-90.00	-983.2	-10.9	3,310.0	3,275.8	34.16	96.906		
12,400.0	7,740.0	7,728.0	7,728.0	79.9	13.5	-90.00	-983.2	-10.9	3,409.1	3,374.8	34.29	99.424		
12,500.0	7,740.0	7,728.0	7,728.0	81.7	13.5	-90.00	-983.2	-10.9	3,508.3	3,473.9	34.42	101.924		
12,600.0	7,740.0	7,728.0	7,728.0	83.4	13.5	-90.00	-983.2	-10.9	3,607.6	3,573.0	34.55	104.406		
12,700.0	7,740.0	7,728.0	7,728.0	85.1	13.5	-90.00	-983.2	-10.9	3,706.8	3,672.1	34.69	106.870		
12,800.0	7,740.0	7,728.0	7,728.0	86.8	13.5	-90.00	-983.2	-10.9	3,806.2	3,771.3	34.82	109.316		
12,900.0	7,740.0	7,728.0	7,728.0	88.6	13.5	-90.00	-983.2	-10.9	3,905.5	3,870.6	34.95	111.744		
13,000.0	7,740.0	7,728.0	7,728.0	90.3	13.5	-90.00	-983.2	-10.9	4,004.9	3,969.8	35.08	114.155		
13,100.0	7,740.0	7,728.0	7,728.0	92.0	13.5	-90.00	-983.2	-10.9	4,104.3	4,069.1	35.22	116.548		
13,200.0	7,740.0	7,728.0	7,728.0	93.7	13.5	-90.00	-983.2	-10.9	4,203.8	4,168.4	35.35	118.925		
13,300.0	7,740.0	7,728.0	7,728.0	95.5	13.5	-90.00	-983.2	-10.9	4,303.2	4,267.7	35.48	121.285		
13,400.0	7,740.0	7,728.0	7,728.0	97.2	13.5	-90.00	-983.2	-10.9	4,402.7	4,367.1	35.61	123.629		
13,500.0	7,740.0	7,728.0	7,728.0	98.9	13.5	-90.00	-983.2	-10.9	4,502.2	4,466.5	35.74	125.957		
13,600.0	7,740.0	7,728.0	7,728.0	100.7	13.5	-90.00	-983.2	-10.9	4,601.8	4,565.9	35.88	128.269		
13,700.0	7,740.0	7,728.0	7,728.0	102.4	13.5	-90.00	-983.2	-10.9	4,701.3	4,665.3	36.01	130.564		
13,800.0	7,740.0	7,728.0	7,728.0	104.1	13.5	-90.00	-983.2	-10.9	4,800.9	4,764.8	36.14	132.845		
13,900.0	7,740.0	7,728.0	7,728.0	105.9	13.5	-90.00	-983.2	-10.9	4,900.5	4,864.2	36.27	135.110		
14,000.0	7,740.0	7,728.0	7,728.0	107.6	13.5	-90.00	-983.2	-10.9	5,000.1	4,963.7	36.40	137.359		
14,100.0	7,740.0	7,728.0	7,728.0	109.3	13.5	-90.00	-983.2	-10.9	5,099.7	5,063.2	36.53	139.594		
14,200.0	7,740.0	7,728.0	7,728.0	111.1	13.5	-90.00	-983.2	-10.9	5,199.4	5,162.7	36.66	141.814		
14,300.0	7,740.0	7,728.0	7,728.0	112.8	13.5	-90.00	-983.2	-10.9	5,299.0	5,262.2	36.79	144.020		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Thomas 7-12 (Existing) - Existing - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 7894-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
14,400.0	7,740.0	7,728.0	7,728.0	114.5	13.5	-90.00	-983.2	-10.9	5,398.7	5,361.8	36.92	146.211		
14,500.0	7,740.0	7,728.0	7,728.0	116.3	13.5	-90.00	-983.2	-10.9	5,498.4	5,461.3	37.05	148.388		
14,600.0	7,740.0	7,728.0	7,728.0	118.0	13.5	-90.00	-983.2	-10.9	5,598.1	5,560.9	37.18	150.550		
14,700.0	7,740.0	7,728.0	7,728.0	119.7	13.5	-90.00	-983.2	-10.9	5,697.8	5,660.4	37.31	152.699		
14,800.0	7,740.0	7,728.0	7,728.0	121.5	13.5	-90.00	-983.2	-10.9	5,797.5	5,760.0	37.44	154.835		
14,900.0	7,740.0	7,728.0	7,728.0	123.2	13.5	-90.00	-983.2	-10.9	5,897.2	5,859.6	37.57	156.956		
15,000.0	7,740.0	7,728.0	7,728.0	125.0	13.5	-90.00	-983.2	-10.9	5,996.9	5,959.2	37.70	159.065		
15,100.0	7,740.0	7,728.0	7,728.0	126.7	13.5	-90.00	-983.2	-10.9	6,096.7	6,058.8	37.83	161.160		
15,200.0	7,740.0	7,728.0	7,728.0	128.4	13.5	-90.00	-983.2	-10.9	6,196.4	6,158.4	37.96	163.242		
15,300.0	7,740.0	7,728.0	7,728.0	130.2	13.5	-90.00	-983.2	-10.9	6,296.2	6,258.1	38.09	165.312		
15,400.0	7,740.0	7,728.0	7,728.0	131.9	13.5	-90.00	-983.2	-10.9	6,395.9	6,357.7	38.21	167.368		
15,500.0	7,740.0	7,728.0	7,728.0	133.7	13.5	-90.00	-983.2	-10.9	6,495.7	6,457.3	38.34	169.412		
15,600.0	7,740.0	7,728.0	7,728.0	135.4	13.5	-90.00	-983.2	-10.9	6,595.5	6,557.0	38.47	171.444		
15,700.0	7,740.0	7,728.0	7,728.0	137.2	13.5	-90.00	-983.2	-10.9	6,695.2	6,656.6	38.60	173.463		
15,800.0	7,740.0	7,728.0	7,728.0	138.9	13.5	-90.00	-983.2	-10.9	6,795.0	6,756.3	38.72	175.470		
15,900.0	7,740.0	7,728.0	7,728.0	140.6	13.5	-90.00	-983.2	-10.9	6,894.8	6,856.0	38.85	177.465		
15,949.8	7,740.0	7,728.0	7,728.0	141.5	13.5	-90.00	-983.2	-10.9	6,944.5	6,905.6	38.91	178.454		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS E UNIT 1 (EXISTING) - Existing - NO SU													Offset Site Error:	0.0 ft
Survey Program: 8332-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	141.57	-1,199.2	951.4	1,530.7					
100.0	100.0	94.0	94.0	0.2	0.2	141.57	-1,199.2	951.4	1,530.7	1,530.4	0.32	4,842.472		
200.0	200.0	194.0	194.0	0.3	0.3	141.57	-1,199.2	951.4	1,530.7	1,530.1	0.67	2,301.257		
300.0	300.0	294.0	294.0	0.5	0.5	-179.47	-1,199.2	951.4	1,531.6	1,530.6	1.01	1,510.111		
400.0	400.0	394.0	394.0	0.7	0.7	-179.47	-1,199.2	951.4	1,534.2	1,532.8	1.36	1,125.421		
500.0	499.9	493.9	493.9	0.9	0.9	-179.47	-1,199.2	951.4	1,538.6	1,536.9	1.71	898.633		
600.0	599.7	593.7	593.7	1.1	1.0	-179.47	-1,199.2	951.4	1,544.7	1,542.6	2.06	749.540		
700.0	699.4	693.4	693.4	1.3	1.2	-179.48	-1,199.2	951.4	1,552.5	1,550.1	2.41	644.391		
760.9	760.0	754.0	754.0	1.4	1.3	-179.48	-1,199.2	951.4	1,558.1	1,555.5	2.62	594.414		
800.0	798.9	792.9	792.9	1.5	1.4	-179.48	-1,199.2	951.4	1,562.0	1,559.2	2.76	566.463		
900.0	898.4	892.4	892.4	1.7	1.6	-179.48	-1,199.2	951.4	1,571.7	1,568.6	3.11	506.128		
1,000.0	998.0	992.0	992.0	2.0	1.7	-179.49	-1,199.2	951.4	1,581.5	1,578.1	3.45	457.957		
1,100.0	1,097.5	1,091.5	1,091.5	2.2	1.9	-179.49	-1,199.2	951.4	1,591.3	1,587.5	3.80	418.608		
1,200.0	1,197.0	1,191.0	1,191.0	2.5	2.1	-179.49	-1,199.2	951.4	1,601.1	1,596.9	4.15	385.859		
1,300.0	1,296.5	1,290.5	1,290.5	2.7	2.3	-179.50	-1,199.2	951.4	1,610.8	1,606.3	4.50	358.180		
1,400.0	1,396.0	1,390.0	1,390.0	2.9	2.4	-179.50	-1,199.2	951.4	1,620.6	1,615.8	4.85	334.476		
1,500.0	1,495.6	1,489.6	1,489.6	3.2	2.6	-179.50	-1,199.2	951.4	1,630.4	1,625.2	5.19	313.949		
1,600.0	1,595.1	1,589.1	1,589.1	3.4	2.8	-179.50	-1,199.2	951.4	1,640.2	1,634.6	5.54	296.000		
1,700.0	1,694.6	1,688.6	1,688.6	3.7	2.9	-179.51	-1,199.2	951.4	1,649.9	1,644.0	5.89	280.173		
1,800.0	1,794.1	1,788.1	1,788.1	3.9	3.1	-179.51	-1,199.2	951.4	1,659.7	1,653.5	6.24	266.111		
1,900.0	1,893.7	1,887.7	1,887.7	4.1	3.3	-179.51	-1,199.2	951.4	1,669.5	1,662.9	6.58	253.535		
2,000.0	1,993.2	1,987.2	1,987.2	4.4	3.5	-179.52	-1,199.2	951.4	1,679.3	1,672.3	6.93	242.222		
2,100.0	2,092.7	2,086.7	2,086.7	4.6	3.6	-179.52	-1,199.2	951.4	1,689.0	1,681.7	7.28	231.990		
2,200.0	2,192.2	2,186.2	2,186.2	4.9	3.8	-179.52	-1,199.2	951.4	1,698.8	1,691.2	7.63	222.691		
2,300.0	2,291.7	2,285.7	2,285.7	5.1	4.0	-179.52	-1,199.2	951.4	1,708.6	1,700.6	7.98	214.203		
2,400.0	2,391.3	2,385.3	2,385.3	5.4	4.2	-179.53	-1,199.2	951.4	1,718.3	1,710.0	8.32	206.425		
2,500.0	2,490.8	2,484.8	2,484.8	5.6	4.3	-179.53	-1,199.2	951.4	1,728.1	1,719.4	8.67	199.271		
2,600.0	2,590.3	2,584.3	2,584.3	5.8	4.5	-179.53	-1,199.2	951.4	1,737.9	1,728.9	9.02	192.669		
2,700.0	2,689.8	2,683.8	2,683.8	6.1	4.7	-179.53	-1,199.2	951.4	1,747.7	1,738.3	9.37	186.557		
2,800.0	2,789.3	2,783.3	2,783.3	6.3	4.9	-179.54	-1,199.2	951.4	1,757.4	1,747.7	9.72	180.883		
2,900.0	2,888.9	2,882.9	2,882.9	6.6	5.0	-179.54	-1,199.2	951.4	1,767.2	1,757.2	10.06	175.602		
3,000.0	2,988.4	2,982.4	2,982.4	6.8	5.2	-179.54	-1,199.2	951.4	1,777.0	1,766.6	10.41	170.673		
3,100.0	3,087.9	3,081.9	3,081.9	7.1	5.4	-179.54	-1,199.2	951.4	1,786.8	1,776.0	10.76	166.063		
3,200.0	3,187.4	3,181.4	3,181.4	7.3	5.6	-179.55	-1,199.2	951.4	1,796.5	1,785.4	11.11	161.742		
3,300.0	3,286.9	3,280.9	3,280.9	7.5	5.7	-179.55	-1,199.2	951.4	1,806.3	1,794.9	11.46	157.683		
3,400.0	3,386.5	3,380.5	3,380.5	7.8	5.9	-179.55	-1,199.2	951.4	1,816.1	1,804.3	11.80	153.863		
3,500.0	3,486.0	3,480.0	3,480.0	8.0	6.1	-179.55	-1,199.2	951.4	1,825.9	1,813.7	12.15	150.263		
3,600.0	3,585.5	3,579.5	3,579.5	8.3	6.2	-179.56	-1,199.2	951.4	1,835.6	1,823.1	12.50	146.862		
3,700.0	3,685.0	3,679.0	3,679.0	8.5	6.4	-179.56	-1,199.2	951.4	1,845.4	1,832.6	12.85	143.646		
3,800.0	3,784.6	3,778.6	3,778.6	8.8	6.6	-179.56	-1,199.2	951.4	1,855.2	1,842.0	13.19	140.600		
3,900.0	3,884.1	3,878.1	3,878.1	9.0	6.8	-179.56	-1,199.2	951.4	1,865.0	1,851.4	13.54	137.710		
4,000.0	3,983.6	3,977.6	3,977.6	9.3	6.9	-179.57	-1,199.2	951.4	1,874.7	1,860.8	13.89	134.964		
4,100.0	4,083.1	4,077.1	4,077.1	9.5	7.1	-179.57	-1,199.2	951.4	1,884.5	1,870.3	14.24	132.353		
4,200.0	4,182.6	4,176.6	4,176.6	9.7	7.3	-179.57	-1,199.2	951.4	1,894.3	1,879.7	14.59	129.867		
4,300.0	4,282.2	4,276.2	4,276.2	10.0	7.5	-179.57	-1,199.2	951.4	1,904.0	1,889.1	14.93	127.496		
4,400.0	4,381.7	4,375.7	4,375.7	10.2	7.6	-179.58	-1,199.2	951.4	1,913.8	1,898.5	15.28	125.233		
4,500.0	4,481.2	4,475.2	4,475.2	10.5	7.8	-179.58	-1,199.2	951.4	1,923.6	1,908.0	15.63	123.071		
4,600.0	4,580.7	4,574.7	4,574.7	10.7	8.0	-179.58	-1,199.2	951.4	1,933.4	1,917.4	15.98	121.003		
4,700.0	4,680.2	4,674.2	4,674.2	11.0	8.2	-179.58	-1,199.2	951.4	1,943.1	1,926.8	16.33	119.023		
4,800.0	4,779.8	4,773.8	4,773.8	11.2	8.3	-179.58	-1,199.2	951.4	1,952.9	1,936.2	16.67	117.126		
4,900.0	4,879.3	4,873.3	4,873.3	11.4	8.5	-179.59	-1,199.2	951.4	1,962.7	1,945.7	17.02	115.307		
5,000.0	4,978.8	4,972.8	4,972.8	11.7	8.7	-179.59	-1,199.2	951.4	1,972.5	1,955.1	17.37	113.560		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS E UNIT 1 (EXISTING) - Existing - NO SU													Offset Site Error:	0.0 ft
Survey Program: 8332-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	5,078.3	5,072.3	5,072.3	11.9	8.9	-179.59	-1,199.2	951.4	1,982.2	1,964.5	17.72	111.882		
5,200.0	5,177.9	5,171.9	5,171.9	12.2	9.0	-179.59	-1,199.2	951.4	1,992.0	1,973.9	18.07	110.268		
5,300.0	5,277.4	5,271.4	5,271.4	12.4	9.2	-179.59	-1,199.2	951.4	2,001.8	1,983.4	18.41	108.716		
5,400.0	5,376.9	5,370.9	5,370.9	12.7	9.4	-179.60	-1,199.2	951.4	2,011.6	1,992.8	18.76	107.221		
5,500.0	5,476.4	5,470.4	5,470.4	12.9	9.5	-179.60	-1,199.2	951.4	2,021.3	2,002.2	19.11	105.780		
5,600.0	5,575.9	5,569.9	5,569.9	13.2	9.7	-179.60	-1,199.2	951.4	2,031.1	2,011.6	19.46	104.391		
5,700.0	5,675.5	5,669.5	5,669.5	13.4	9.9	-179.60	-1,199.2	951.4	2,040.9	2,021.1	19.80	103.051		
5,800.0	5,775.0	5,769.0	5,769.0	13.6	10.1	-179.60	-1,199.2	951.4	2,050.7	2,030.5	20.15	101.757		
5,900.0	5,874.5	5,868.5	5,868.5	13.9	10.2	-179.61	-1,199.2	951.4	2,060.4	2,039.9	20.50	100.507		
6,000.0	5,974.0	5,968.0	5,968.0	14.1	10.4	-179.61	-1,199.2	951.4	2,070.2	2,049.3	20.85	99.299		
6,100.0	6,073.5	6,067.5	6,067.5	14.4	10.6	-179.61	-1,199.2	951.4	2,080.0	2,058.8	21.20	98.130		
6,200.0	6,173.1	6,167.1	6,167.1	14.6	10.8	-179.61	-1,199.2	951.4	2,089.7	2,068.2	21.54	96.999		
6,300.0	6,272.6	6,266.6	6,266.6	14.9	10.9	-179.61	-1,199.2	951.4	2,099.5	2,077.6	21.89	95.904		
6,400.0	6,372.1	6,366.1	6,366.1	15.1	11.1	-179.61	-1,199.2	951.4	2,109.3	2,087.1	22.24	94.844		
6,500.0	6,471.6	6,465.6	6,465.6	15.4	11.3	-179.62	-1,199.2	951.4	2,119.1	2,096.5	22.59	93.816		
6,600.0	6,571.1	6,565.1	6,565.1	15.6	11.5	-179.62	-1,199.2	951.4	2,128.8	2,105.9	22.94	92.819		
6,700.0	6,670.7	6,664.7	6,664.7	15.8	11.6	-179.62	-1,199.2	951.4	2,138.6	2,115.3	23.28	91.852		
6,800.0	6,770.2	6,764.2	6,764.2	16.1	11.8	-179.62	-1,199.2	951.4	2,148.4	2,124.8	23.63	90.913		
6,900.0	6,869.7	6,863.7	6,863.7	16.3	12.0	-179.62	-1,199.2	951.4	2,158.2	2,134.2	23.98	90.002		
7,000.0	6,969.2	6,963.2	6,963.2	16.6	12.2	-179.62	-1,199.2	951.4	2,167.9	2,143.6	24.33	89.117		
7,100.0	7,068.8	7,062.8	7,062.8	16.8	12.3	-179.63	-1,199.2	951.4	2,177.7	2,153.0	24.67	88.256		
7,156.2	7,124.7	7,118.7	7,118.7	17.0	12.4	-179.63	-1,199.2	951.4	2,183.2	2,158.3	24.87	87.784		
7,200.0	7,168.4	7,162.4	7,162.4	17.0	12.5	-128.19	-1,199.2	951.4	2,186.2	2,161.2	25.02	87.367		
7,250.0	7,218.2	7,212.2	7,212.2	17.1	12.6	-73.84	-1,199.2	951.4	2,186.4	2,161.2	25.20	86.768		
7,300.0	7,267.7	7,261.7	7,261.7	17.1	12.7	-58.55	-1,199.2	951.4	2,183.2	2,157.8	25.37	86.042		
7,350.0	7,316.4	7,310.4	7,310.4	17.1	12.8	-53.07	-1,199.2	951.4	2,176.7	2,151.1	25.55	85.192		
7,400.0	7,363.9	7,357.9	7,357.9	17.0	12.8	-50.85	-1,199.2	951.4	2,166.9	2,141.1	25.73	84.224		
7,450.0	7,410.0	7,404.0	7,404.0	16.9	12.9	-50.19	-1,199.2	951.4	2,153.9	2,128.0	25.91	83.143		
7,500.0	7,454.3	7,448.3	7,448.3	16.8	13.0	-50.50	-1,199.2	951.4	2,138.0	2,111.9	26.09	81.955		
7,550.0	7,496.3	7,490.3	7,490.3	16.7	13.1	-51.54	-1,199.2	951.4	2,119.3	2,093.0	26.27	80.666		
7,600.0	7,535.9	7,529.9	7,529.9	16.5	13.1	-53.17	-1,199.2	951.4	2,097.9	2,071.5	26.46	79.283		
7,650.0	7,572.7	7,566.7	7,566.7	16.4	13.2	-55.34	-1,199.2	951.4	2,074.2	2,047.6	26.66	77.814		
7,700.0	7,606.4	7,600.4	7,600.4	16.3	13.3	-58.00	-1,199.2	951.4	2,048.4	2,021.6	26.86	76.267		
7,750.0	7,636.7	7,630.7	7,630.7	16.2	13.3	-61.12	-1,199.2	951.4	2,020.8	1,993.7	27.07	74.653		
7,800.0	7,663.5	7,657.5	7,657.5	16.1	13.4	-64.67	-1,199.2	951.4	1,991.6	1,964.3	27.29	72.980		
7,850.0	7,686.5	7,680.5	7,680.5	16.0	13.4	-68.57	-1,199.2	951.4	1,961.2	1,933.7	27.52	71.261		
7,900.0	7,705.6	7,699.6	7,699.6	16.0	13.4	-72.75	-1,199.2	951.4	1,929.9	1,902.1	27.77	69.505		
7,950.0	7,720.6	7,714.6	7,714.6	16.0	13.5	-77.10	-1,199.2	951.4	1,898.0	1,870.0	28.02	67.728		
8,000.0	7,731.4	7,725.4	7,725.4	16.0	13.5	-81.51	-1,199.2	951.4	1,865.9	1,837.6	28.30	65.940		
8,050.0	7,737.8	7,731.8	7,731.8	16.1	13.5	-85.85	-1,199.2	951.4	1,833.8	1,805.2	28.58	64.157		
8,099.8	7,740.0	7,734.0	7,734.0	16.2	13.5	-90.00	-1,199.2	951.4	1,802.1	1,773.3	28.88	62.400		
8,200.0	7,740.0	7,734.0	7,734.0	16.6	13.5	-90.00	-1,199.2	951.4	1,740.7	1,711.2	29.54	58.929		
8,300.0	7,740.0	7,734.0	7,734.0	17.2	13.5	-90.00	-1,199.2	951.4	1,683.2	1,652.9	30.29	55.574		
8,400.0	7,740.0	7,734.0	7,734.0	17.9	13.5	-90.00	-1,199.2	951.4	1,629.8	1,598.6	31.13	52.359		
8,500.0	7,740.0	7,734.0	7,734.0	18.8	13.5	-90.00	-1,199.2	951.4	1,580.9	1,548.8	32.05	49.319		
8,600.0	7,740.0	7,734.0	7,734.0	19.8	13.5	-90.00	-1,199.2	951.4	1,536.9	1,503.9	33.06	46.487		
8,700.0	7,740.0	7,734.0	7,734.0	20.9	13.5	-90.00	-1,199.2	951.4	1,498.4	1,464.2	34.14	43.893		
8,800.0	7,740.0	7,734.0	7,734.0	22.0	13.5	-90.00	-1,199.2	951.4	1,465.6	1,430.4	35.26	41.561		
8,900.0	7,740.0	7,734.0	7,734.0	23.3	13.5	-90.00	-1,199.2	951.4	1,439.1	1,402.7	36.42	39.511		
9,000.0	7,740.0	7,734.0	7,734.0	24.6	13.5	-90.00	-1,199.2	951.4	1,419.2	1,381.6	37.59	37.755		
9,100.0	7,740.0	7,734.0	7,734.0	25.9	13.5	-90.00	-1,199.2	951.4	1,406.1	1,367.4	38.74	36.298		
9,200.0	7,740.0	7,734.0	7,734.0	27.3	13.5	-90.00	-1,199.2	951.4	1,400.0	1,360.2	39.84	35.141		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS E UNIT 1 (EXISTING) - Existing - NO SU													Offset Site Error:	0.0 ft
Survey Program: 8332-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,235.1	7,740.0	7,734.0	7,734.0	27.9	13.5	-90.00	-1,199.2	951.4	1,399.6	1,359.4	40.22	34.802	CC, ES	
9,300.0	7,740.0	7,734.0	7,734.0	28.8	13.5	-90.00	-1,199.2	951.4	1,401.1	1,360.2	40.88	34.277		
9,400.0	7,740.0	7,734.0	7,734.0	30.3	13.5	-90.00	-1,199.2	951.4	1,409.3	1,367.4	41.82	33.695		
9,500.0	7,740.0	7,734.0	7,734.0	31.8	13.5	-90.00	-1,199.2	951.4	1,424.4	1,381.8	42.67	33.381		
9,600.0	7,740.0	7,734.0	7,734.0	33.3	13.5	-90.00	-1,199.2	951.4	1,446.4	1,403.0	43.41	33.318	SF	
9,700.0	7,740.0	7,734.0	7,734.0	34.8	13.5	-90.00	-1,199.2	951.4	1,474.8	1,430.8	44.04	33.489		
9,800.0	7,740.0	7,734.0	7,734.0	36.4	13.5	-90.00	-1,199.2	951.4	1,509.3	1,464.7	44.56	33.873		
9,900.0	7,740.0	7,734.0	7,734.0	38.0	13.5	-90.00	-1,199.2	951.4	1,549.5	1,504.5	44.98	34.453		
10,000.0	7,740.0	7,734.0	7,734.0	39.6	13.5	-90.00	-1,199.2	951.4	1,595.0	1,549.7	45.30	35.208		
10,100.0	7,740.0	7,734.0	7,734.0	41.2	13.5	-90.00	-1,199.2	951.4	1,645.3	1,599.7	45.55	36.123		
10,200.0	7,740.0	7,734.0	7,734.0	42.8	13.5	-90.00	-1,199.2	951.4	1,700.0	1,654.3	45.72	37.180		
10,300.0	7,740.0	7,734.0	7,734.0	44.5	13.5	-90.00	-1,199.2	951.4	1,758.7	1,712.8	45.84	38.364		
10,400.0	7,740.0	7,734.0	7,734.0	46.1	13.5	-90.00	-1,199.2	951.4	1,821.0	1,775.1	45.91	39.661		
10,500.0	7,740.0	7,734.0	7,734.0	47.8	13.5	-90.00	-1,199.2	951.4	1,886.5	1,840.6	45.95	41.058		
10,600.0	7,740.0	7,734.0	7,734.0	49.4	13.5	-90.00	-1,199.2	951.4	1,955.0	1,909.0	45.95	42.544		
10,700.0	7,740.0	7,734.0	7,734.0	51.1	13.5	-90.00	-1,199.2	951.4	2,026.1	1,980.1	45.93	44.110		
10,800.0	7,740.0	7,734.0	7,734.0	52.7	13.5	-90.00	-1,199.2	951.4	2,099.5	2,053.6	45.90	45.744		
10,900.0	7,740.0	7,734.0	7,734.0	54.4	13.5	-90.00	-1,199.2	951.4	2,175.1	2,129.2	45.85	47.441		
11,000.0	7,740.0	7,734.0	7,734.0	56.1	13.5	-90.00	-1,199.2	951.4	2,252.5	2,206.7	45.79	49.191		
11,100.0	7,740.0	7,734.0	7,734.0	57.8	13.5	-90.00	-1,199.2	951.4	2,331.7	2,286.0	45.73	50.989		
11,200.0	7,740.0	7,734.0	7,734.0	59.5	13.5	-90.00	-1,199.2	951.4	2,412.4	2,366.8	45.67	52.828		
11,300.0	7,740.0	7,734.0	7,734.0	61.2	13.5	-90.00	-1,199.2	951.4	2,494.6	2,449.0	45.60	54.705		
11,400.0	7,740.0	7,734.0	7,734.0	62.9	13.5	-90.00	-1,199.2	951.4	2,578.0	2,532.4	45.54	56.613		
11,500.0	7,740.0	7,734.0	7,734.0	64.6	13.5	-90.00	-1,199.2	951.4	2,662.5	2,617.0	45.47	58.549		
11,600.0	7,740.0	7,734.0	7,734.0	66.3	13.5	-90.00	-1,199.2	951.4	2,748.1	2,702.6	45.41	60.510		
11,700.0	7,740.0	7,734.0	7,734.0	68.0	13.5	-90.00	-1,199.2	951.4	2,834.6	2,789.2	45.36	62.492		
11,800.0	7,740.0	7,734.0	7,734.0	69.7	13.5	-90.00	-1,199.2	951.4	2,922.0	2,876.6	45.31	64.492		
11,900.0	7,740.0	7,734.0	7,734.0	71.4	13.5	-90.00	-1,199.2	951.4	3,010.1	2,964.9	45.26	66.508		
12,000.0	7,740.0	7,734.0	7,734.0	73.1	13.5	-90.00	-1,199.2	951.4	3,099.0	3,053.8	45.22	68.537		
12,100.0	7,740.0	7,734.0	7,734.0	74.8	13.5	-90.00	-1,199.2	951.4	3,188.5	3,143.4	45.18	70.577		
12,200.0	7,740.0	7,734.0	7,734.0	76.5	13.5	-90.00	-1,199.2	951.4	3,278.7	3,233.5	45.14	72.626		
12,300.0	7,740.0	7,734.0	7,734.0	78.2	13.5	-90.00	-1,199.2	951.4	3,369.4	3,324.3	45.12	74.683		
12,400.0	7,740.0	7,734.0	7,734.0	79.9	13.5	-90.00	-1,199.2	951.4	3,460.6	3,415.5	45.09	76.747		
12,500.0	7,740.0	7,734.0	7,734.0	81.7	13.5	-90.00	-1,199.2	951.4	3,552.3	3,507.2	45.07	78.815		
12,600.0	7,740.0	7,734.0	7,734.0	83.4	13.5	-90.00	-1,199.2	951.4	3,644.4	3,599.4	45.06	80.886		
12,700.0	7,740.0	7,734.0	7,734.0	85.1	13.5	-90.00	-1,199.2	951.4	3,736.9	3,691.9	45.04	82.960		
12,800.0	7,740.0	7,734.0	7,734.0	86.8	13.5	-90.00	-1,199.2	951.4	3,829.8	3,784.8	45.04	85.036		
12,900.0	7,740.0	7,734.0	7,734.0	88.6	13.5	-90.00	-1,199.2	951.4	3,923.1	3,878.1	45.04	87.112		
13,000.0	7,740.0	7,734.0	7,734.0	90.3	13.5	-90.00	-1,199.2	951.4	4,016.7	3,971.6	45.04	89.188		
13,100.0	7,740.0	7,734.0	7,734.0	92.0	13.5	-90.00	-1,199.2	951.4	4,110.6	4,065.5	45.04	91.263		
13,200.0	7,740.0	7,734.0	7,734.0	93.7	13.5	-90.00	-1,199.2	951.4	4,204.7	4,159.7	45.05	93.336		
13,300.0	7,740.0	7,734.0	7,734.0	95.5	13.5	-90.00	-1,199.2	951.4	4,299.1	4,254.1	45.06	95.407		
13,400.0	7,740.0	7,734.0	7,734.0	97.2	13.5	-90.00	-1,199.2	951.4	4,393.8	4,348.7	45.08	97.475		
13,500.0	7,740.0	7,734.0	7,734.0	98.9	13.5	-90.00	-1,199.2	951.4	4,488.7	4,443.6	45.09	99.540		
13,600.0	7,740.0	7,734.0	7,734.0	100.7	13.5	-90.00	-1,199.2	951.4	4,583.8	4,538.7	45.12	101.601		
13,700.0	7,740.0	7,734.0	7,734.0	102.4	13.5	-90.00	-1,199.2	951.4	4,679.2	4,634.0	45.14	103.658		
13,800.0	7,740.0	7,734.0	7,734.0	104.1	13.5	-90.00	-1,199.2	951.4	4,774.7	4,729.5	45.17	105.710		
13,900.0	7,740.0	7,734.0	7,734.0	105.9	13.5	-90.00	-1,199.2	951.4	4,870.4	4,825.2	45.20	107.758		
14,000.0	7,740.0	7,734.0	7,734.0	107.6	13.5	-90.00	-1,199.2	951.4	4,966.2	4,921.0	45.23	109.800		
14,100.0	7,740.0	7,734.0	7,734.0	109.3	13.5	-90.00	-1,199.2	951.4	5,062.3	5,017.0	45.26	111.837		
14,200.0	7,740.0	7,734.0	7,734.0	111.1	13.5	-90.00	-1,199.2	951.4	5,158.4	5,113.1	45.30	113.869		
14,300.0	7,740.0	7,734.0	7,734.0	112.8	13.5	-90.00	-1,199.2	951.4	5,254.8	5,209.4	45.34	115.894		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - THOMAS E UNIT 1 (EXISTING) - Existing - NO SU													Offset Site Error:	0.0 ft
Survey Program: 8332-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		
14,400.0	7,740.0	7,734.0	7,734.0	114.5	13.5	-90.00	-1,199.2	951.4	5,351.2	5,305.8	45.38	117.913		
14,500.0	7,740.0	7,734.0	7,734.0	116.3	13.5	-90.00	-1,199.2	951.4	5,447.8	5,402.4	45.43	119.926		
14,600.0	7,740.0	7,734.0	7,734.0	118.0	13.5	-90.00	-1,199.2	951.4	5,544.5	5,499.0	45.47	121.933		
14,700.0	7,740.0	7,734.0	7,734.0	119.7	13.5	-90.00	-1,199.2	951.4	5,641.3	5,595.8	45.52	123.933		
14,800.0	7,740.0	7,734.0	7,734.0	121.5	13.5	-90.00	-1,199.2	951.4	5,738.2	5,692.7	45.57	125.926		
14,900.0	7,740.0	7,734.0	7,734.0	123.2	13.5	-90.00	-1,199.2	951.4	5,835.3	5,789.7	45.62	127.912		
15,000.0	7,740.0	7,734.0	7,734.0	125.0	13.5	-90.00	-1,199.2	951.4	5,932.4	5,886.7	45.67	129.891		
15,100.0	7,740.0	7,734.0	7,734.0	126.7	13.5	-90.00	-1,199.2	951.4	6,029.6	5,983.9	45.73	131.863		
15,200.0	7,740.0	7,734.0	7,734.0	128.4	13.5	-90.00	-1,199.2	951.4	6,126.9	6,081.2	45.78	133.828		
15,300.0	7,740.0	7,734.0	7,734.0	130.2	13.5	-90.00	-1,199.2	951.4	6,224.3	6,178.5	45.84	135.786		
15,400.0	7,740.0	7,734.0	7,734.0	131.9	13.5	-90.00	-1,199.2	951.4	6,321.8	6,275.9	45.90	137.736		
15,500.0	7,740.0	7,734.0	7,734.0	133.7	13.5	-90.00	-1,199.2	951.4	6,419.4	6,373.4	45.96	139.679		
15,600.0	7,740.0	7,734.0	7,734.0	135.4	13.5	-90.00	-1,199.2	951.4	6,517.0	6,471.0	46.02	141.615		
15,700.0	7,740.0	7,734.0	7,734.0	137.2	13.5	-90.00	-1,199.2	951.4	6,614.7	6,568.6	46.08	143.543		
15,800.0	7,740.0	7,734.0	7,734.0	138.9	13.5	-90.00	-1,199.2	951.4	6,712.5	6,666.3	46.15	145.464		
15,900.0	7,740.0	7,734.0	7,734.0	140.6	13.5	-90.00	-1,199.2	951.4	6,810.3	6,764.1	46.21	147.377		
15,949.8	7,740.0	7,734.0	7,734.0	141.5	13.5	-90.00	-1,199.2	951.4	6,859.0	6,812.8	46.24	148.326		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 11-7 (EXISTING) - ENCANA WELL - S													Offset Site Error:	0.0 ft
Survey Program:		132-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	65.5	65.5	0.0	0.1	37.69	1,606.8	1,241.4	2,030.6					
100.0	100.0	192.8	192.8	0.2	0.3	37.64	1,606.5	1,239.1	2,029.3	2,028.8	0.49	4,122.610		
200.0	200.0	330.8	330.7	0.3	0.6	37.56	1,605.0	1,234.4	2,026.3	2,025.4	0.91	2,216.445		
300.0	300.0	439.0	438.7	0.5	0.8	76.46	1,603.9	1,228.0	2,021.7	2,020.4	1.30	1,557.765		
400.0	400.0	537.4	536.7	0.7	1.1	76.38	1,605.3	1,220.1	2,017.3	2,015.6	1.69	1,191.602		
500.0	499.9	811.1	806.2	0.9	2.0	75.64	1,610.9	1,173.8	2,007.4	2,004.7	2.68	748.220		
600.0	599.7	925.5	917.9	1.1	2.4	75.41	1,610.2	1,149.0	1,992.3	1,989.1	3.26	611.917		
700.0	699.4	1,063.3	1,052.4	1.3	3.0	75.20	1,608.2	1,119.0	1,976.3	1,972.4	3.93	502.967		
760.9	760.0	1,152.3	1,138.8	1.4	3.4	75.06	1,606.4	1,097.6	1,965.2	1,960.8	4.40	446.931		
800.0	798.9	1,213.4	1,197.8	1.5	3.7	74.87	1,604.9	1,081.7	1,957.4	1,952.7	4.72	415.049		
900.0	898.4	1,306.1	1,287.0	1.7	4.2	74.54	1,603.2	1,056.4	1,937.4	1,932.0	5.33	363.394		
1,000.0	998.0	1,425.3	1,401.5	2.0	4.8	74.12	1,600.1	1,023.8	1,916.6	1,910.6	6.04	317.099		
1,100.0	1,097.5	1,514.3	1,486.9	2.2	5.3	73.78	1,597.7	998.8	1,895.7	1,889.0	6.66	284.511		
1,200.0	1,197.0	1,594.2	1,563.6	2.5	5.7	73.45	1,596.5	976.4	1,875.6	1,868.3	7.25	258.658		
1,300.0	1,296.5	1,690.5	1,656.2	2.7	6.2	73.07	1,595.2	950.3	1,856.3	1,848.4	7.90	234.982		
1,400.0	1,396.0	1,795.9	1,757.6	2.9	6.8	72.64	1,593.4	921.2	1,836.5	1,827.9	8.61	213.219		
1,500.0	1,495.6	1,908.3	1,865.0	3.2	7.4	72.10	1,592.3	888.1	1,816.5	1,807.1	9.39	193.529		
1,600.0	1,595.1	2,002.7	1,955.1	3.4	7.9	71.63	1,591.3	860.1	1,796.1	1,786.1	10.08	178.145		
1,700.0	1,694.6	2,105.0	2,053.1	3.7	8.5	71.17	1,588.5	830.8	1,775.4	1,764.6	10.77	164.776		
1,800.0	1,794.1	2,169.9	2,115.6	3.9	8.8	70.89	1,587.2	813.2	1,755.9	1,744.6	11.32	155.057		
1,900.0	1,893.7	2,329.5	2,268.0	4.1	9.7	70.07	1,584.3	766.1	1,735.5	1,723.2	12.33	140.783		
2,000.0	1,993.2	2,400.9	2,335.9	4.4	10.1	69.67	1,582.6	744.1	1,714.2	1,701.2	12.96	132.225		
2,100.0	2,092.7	2,467.8	2,399.5	4.6	10.5	69.27	1,582.4	723.6	1,694.7	1,681.1	13.58	124.754		
2,200.0	2,192.2	2,544.9	2,473.2	4.9	10.9	68.81	1,583.2	700.7	1,677.0	1,662.8	14.25	117.696		
2,300.0	2,291.7	2,637.9	2,562.2	5.1	11.5	68.26	1,584.1	673.8	1,659.9	1,645.0	14.98	110.794		
2,400.0	2,391.3	2,735.0	2,655.2	5.4	12.0	67.68	1,585.5	645.8	1,643.4	1,627.7	15.74	104.383		
2,500.0	2,490.8	2,847.1	2,762.4	5.6	12.6	66.99	1,586.4	613.3	1,626.4	1,609.8	16.57	98.177		
2,600.0	2,590.3	2,953.0	2,864.1	5.8	13.2	66.39	1,585.6	583.6	1,608.7	1,591.4	17.32	92.865		
2,700.0	2,689.8	3,048.3	2,955.9	6.1	13.7	65.88	1,584.3	557.8	1,591.1	1,573.0	18.03	88.243		
2,800.0	2,789.3	3,170.9	3,073.6	6.3	14.3	65.22	1,580.9	524.1	1,572.0	1,553.1	18.85	83.385		
2,900.0	2,888.9	3,257.3	3,156.5	6.6	14.8	64.69	1,579.4	499.6	1,553.8	1,534.2	19.56	79.442		
3,000.0	2,988.4	3,346.0	3,241.4	6.8	15.3	64.13	1,578.1	474.2	1,535.8	1,515.5	20.28	75.733		
3,100.0	3,087.9	3,434.5	3,326.4	7.1	15.7	63.57	1,577.6	449.3	1,519.0	1,498.0	20.99	72.370		
3,200.0	3,187.4	3,522.5	3,411.1	7.3	16.2	63.04	1,576.6	425.7	1,502.5	1,480.8	21.68	69.306		
3,300.0	3,286.9	3,598.4	3,484.4	7.5	16.6	62.59	1,576.6	405.9	1,487.4	1,465.1	22.34	66.591		
3,400.0	3,386.5	3,682.3	3,565.0	7.8	17.0	62.00	1,578.5	382.7	1,473.8	1,450.8	23.06	63.905		
3,500.0	3,486.0	3,815.8	3,693.0	8.0	17.7	61.03	1,581.0	345.0	1,460.2	1,436.2	24.00	60.837		
3,600.0	3,585.5	3,922.0	3,795.1	8.3	18.3	60.30	1,580.4	315.5	1,444.4	1,419.6	24.81	58.231		
3,700.0	3,685.0	4,012.5	3,881.9	8.5	18.8	59.64	1,580.2	289.9	1,429.1	1,403.6	25.56	55.911		
3,800.0	3,784.6	4,132.9	3,996.9	8.8	19.5	58.68	1,579.6	254.4	1,413.3	1,386.9	26.46	53.405		
3,900.0	3,884.1	4,251.9	4,110.7	9.0	20.1	57.75	1,576.8	219.7	1,396.3	1,368.9	27.32	51.102		
4,000.0	3,983.6	4,319.6	4,175.5	9.3	20.5	57.23	1,575.2	200.3	1,379.5	1,351.5	28.00	49.275		
4,100.0	4,083.1	4,393.7	4,246.5	9.5	20.9	56.63	1,575.2	179.0	1,365.2	1,336.5	28.67	47.611		
4,200.0	4,182.6	4,473.8	4,323.8	9.7	21.3	56.03	1,575.5	157.9	1,352.3	1,323.0	29.33	46.110		
4,300.0	4,282.2	4,550.4	4,398.4	10.0	21.6	55.57	1,576.3	140.4	1,341.1	1,311.2	29.91	44.836		
4,400.0	4,381.7	4,632.8	4,479.2	10.2	21.9	55.17	1,577.6	124.3	1,331.5	1,301.0	30.47	43.701		
4,500.0	4,481.2	4,723.1	4,568.1	10.5	22.2	54.81	1,579.2	108.8	1,322.9	1,291.9	31.01	42.660		
4,600.0	4,580.7	4,815.4	4,659.4	10.7	22.5	54.53	1,580.8	95.0	1,314.9	1,283.3	31.52	41.712		
4,700.0	4,680.2	4,906.9	4,750.0	11.0	22.7	54.31	1,582.5	82.7	1,307.4	1,275.4	32.01	40.846		
4,800.0	4,779.8	5,000.3	4,842.7	11.2	22.9	54.15	1,584.5	71.7	1,300.7	1,268.2	32.47	40.057		
4,900.0	4,879.3	5,103.5	4,945.4	11.4	23.2	54.03	1,586.4	61.0	1,294.0	1,261.1	32.93	39.291		
5,000.0	4,978.8	5,200.7	5,042.1	11.7	23.4	53.96	1,587.7	51.9	1,287.2	1,253.8	33.36	38.581		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 11-7 (EXISTING) - ENCANA WELL - S											Offset Site Error:		0.0 ft	
Survey Program: 132-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	5,078.3	5,286.7	5,127.8	11.9	23.5	53.96	1,589.1	45.2	1,281.0	1,247.3	33.74	37.966		
5,200.0	5,177.9	5,380.4	5,221.3	12.2	23.7	54.03	1,591.2	39.6	1,275.8	1,241.7	34.11	37.398		
5,300.0	5,277.4	5,480.3	5,321.1	12.4	23.8	54.15	1,593.2	34.8	1,270.7	1,236.2	34.47	36.863		
5,400.0	5,376.9	5,579.9	5,420.6	12.7	23.9	54.33	1,594.8	31.1	1,265.6	1,230.8	34.81	36.353		
5,500.0	5,476.4	5,677.7	5,518.3	12.9	24.0	54.52	1,596.4	27.8	1,260.6	1,225.4	35.15	35.859		
5,600.0	5,575.9	5,768.3	5,608.9	13.2	24.1	54.71	1,598.3	25.1	1,256.1	1,220.6	35.48	35.403		
5,700.0	5,675.5	5,862.1	5,702.7	13.4	24.2	54.91	1,600.8	22.6	1,252.3	1,216.5	35.81	34.973		
5,800.0	5,775.0	5,964.4	5,804.9	13.6	24.4	55.14	1,603.5	20.1	1,248.5	1,212.4	36.15	34.542		
5,900.0	5,874.5	6,065.5	5,906.0	13.9	24.5	55.39	1,605.9	17.9	1,244.6	1,208.2	36.47	34.130		
6,000.0	5,974.0	6,165.8	6,006.2	14.1	24.5	55.68	1,608.0	16.7	1,240.7	1,203.9	36.77	33.741		
6,100.0	6,073.5	6,267.5	6,107.9	14.4	24.6	56.00	1,609.8	15.9	1,236.7	1,199.7	37.09	33.343		
6,200.0	6,173.1	6,369.2	6,209.5	14.6	24.7	56.30	1,611.6	14.6	1,232.6	1,195.2	37.42	32.942		
6,300.0	6,272.6	6,467.3	6,307.6	14.9	24.8	56.58	1,613.5	13.0	1,228.5	1,190.8	37.75	32.545		
6,400.0	6,372.1	6,567.2	6,407.5	15.1	25.0	56.84	1,615.6	11.1	1,224.6	1,186.5	38.09	32.153		
6,500.0	6,471.6	6,670.5	6,510.7	15.4	25.1	57.11	1,617.7	8.7	1,220.4	1,182.0	38.43	31.754		
6,600.0	6,571.1	6,768.4	6,608.6	15.6	25.2	57.35	1,619.5	6.3	1,216.2	1,177.4	38.77	31.367		
6,700.0	6,670.7	6,863.4	6,703.5	15.8	25.3	57.59	1,621.6	4.2	1,212.3	1,173.2	39.10	31.002		
6,800.0	6,770.2	6,960.1	6,800.2	16.1	25.4	57.85	1,624.0	2.3	1,208.8	1,169.3	39.44	30.652		
6,900.0	6,869.7	7,057.0	6,897.0	16.3	25.5	58.12	1,626.6	0.7	1,205.5	1,165.7	39.77	30.313		
7,000.0	6,969.2	7,154.8	6,994.8	16.6	25.6	58.40	1,629.2	-0.7	1,202.5	1,162.4	40.09	29.991		
7,100.0	7,068.8	7,253.5	7,093.4	16.8	25.7	58.71	1,632.0	-1.8	1,199.6	1,159.2	40.42	29.679		
7,156.2	7,124.7	7,311.1	7,151.0	17.0	25.8	58.89	1,633.5	-2.3	1,198.0	1,157.4	40.61	29.504		
7,174.2	7,142.6	7,329.6	7,169.5	17.0	25.8	73.99	1,634.0	-2.4	1,197.7	1,157.1	40.66	29.458 CC, ES		
7,200.0	7,168.4	7,356.1	7,196.0	17.0	25.8	110.29	1,634.7	-2.6	1,198.3	1,157.5	40.74	29.414 SF		
7,250.0	7,218.2	7,406.0	7,245.9	17.1	25.9	164.94	1,635.8	-3.0	1,202.4	1,161.5	40.88	29.416		
7,300.0	7,267.7	7,453.9	7,293.8	17.1	25.9	-179.12	1,637.0	-3.3	1,210.6	1,169.6	40.99	29.533		
7,350.0	7,316.4	7,499.8	7,339.7	17.1	25.9	-172.60	1,638.1	-3.5	1,222.9	1,181.8	41.09	29.761		
7,400.0	7,363.9	7,544.5	7,384.4	17.0	26.0	-168.94	1,639.3	-3.5	1,239.2	1,198.0	41.18	30.094		
7,450.0	7,410.0	7,587.9	7,427.7	16.9	26.0	-166.40	1,640.5	-3.4	1,259.4	1,218.1	41.25	30.529		
7,500.0	7,454.3	7,630.3	7,470.1	16.8	26.0	-164.37	1,641.7	-3.3	1,283.3	1,242.0	41.32	31.060		
7,550.0	7,496.3	7,670.5	7,510.3	16.7	26.1	-162.53	1,642.9	-3.2	1,310.7	1,269.3	41.37	31.681		
7,600.0	7,535.9	7,708.0	7,547.8	16.5	26.1	-160.68	1,644.0	-3.0	1,341.4	1,300.0	41.42	32.388		
7,650.0	7,572.7	7,742.8	7,582.5	16.4	26.1	-158.68	1,645.1	-2.9	1,375.3	1,333.8	41.46	33.175		
7,700.0	7,606.4	7,755.0	7,594.8	16.3	26.2	-155.99	1,645.4	-2.8	1,412.1	1,370.6	41.45	34.069		
7,750.0	7,636.7	7,793.9	7,633.6	16.2	26.2	-153.35	1,646.8	-2.7	1,451.4	1,409.9	41.50	34.970		
7,800.0	7,663.5	7,813.7	7,653.4	16.1	26.2	-149.58	1,647.6	-2.6	1,493.1	1,451.6	41.52	35.963		
7,850.0	7,686.5	7,830.2	7,669.9	16.0	26.2	-144.58	1,648.3	-2.5	1,536.9	1,495.4	41.53	37.005		
7,900.0	7,705.6	7,843.3	7,683.0	16.0	26.2	-137.73	1,648.9	-2.5	1,582.4	1,540.8	41.54	38.089		
7,950.0	7,720.6	7,853.1	7,692.8	16.0	26.2	-128.12	1,649.4	-2.4	1,629.1	1,587.5	41.55	39.204		
8,000.0	7,731.4	7,859.5	7,699.2	16.0	26.2	-114.74	1,649.7	-2.4	1,676.7	1,635.2	41.56	40.341		
8,050.0	7,737.8	7,862.5	7,702.2	16.1	26.2	-97.43	1,649.9	-2.4	1,724.9	1,683.4	41.58	41.490		
8,099.8	7,740.0	7,862.2	7,701.9	16.2	26.2	-78.57	1,649.9	-2.4	1,773.1	1,731.5	41.59	42.635		
8,200.0	7,740.0	7,858.4	7,698.0	16.6	26.2	-78.10	1,649.7	-2.4	1,870.1	1,828.5	41.62	44.929		
8,300.0	7,740.0	7,854.6	7,694.3	17.2	26.2	-77.64	1,649.5	-2.4	1,967.3	1,925.6	41.68	47.203		
8,400.0	7,740.0	7,851.0	7,690.7	17.9	26.2	-77.20	1,649.3	-2.5	2,064.7	2,022.9	41.74	49.461		
8,500.0	7,740.0	7,847.5	7,687.2	18.8	26.2	-76.77	1,649.1	-2.5	2,162.3	2,120.5	41.82	51.704		
8,600.0	7,740.0	7,844.0	7,683.7	19.8	26.2	-76.35	1,649.0	-2.5	2,260.1	2,218.2	41.91	53.932		
8,700.0	7,740.0	7,840.7	7,680.4	20.9	26.2	-75.94	1,648.8	-2.5	2,358.1	2,316.1	42.00	56.144		
8,800.0	7,740.0	7,837.5	7,677.2	22.0	26.2	-75.55	1,648.6	-2.5	2,456.3	2,414.2	42.10	58.340		
8,900.0	7,740.0	7,834.3	7,674.0	23.3	26.2	-75.17	1,648.5	-2.5	2,554.6	2,512.4	42.21	60.521		
9,000.0	7,740.0	7,831.2	7,670.9	24.6	26.2	-74.80	1,648.4	-2.5	2,653.0	2,610.7	42.32	62.687		
9,100.0	7,740.0	7,828.2	7,667.9	25.9	26.2	-74.44	1,648.2	-2.5	2,751.5	2,709.1	42.44	64.838		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 11-7 (EXISTING) - ENCANA WELL - S										Offset Site Error:		0.0 ft	
Survey Program: 132-Geolink MWD										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis		Separation Factor
9,200.0	7,740.0	7,825.3	7,665.0	27.3	26.2	-74.09	1,648.1	-2.6	2,850.1	2,807.6	42.56	66.975	
9,300.0	7,740.0	7,822.4	7,662.1	28.8	26.2	-73.75	1,648.0	-2.6	2,948.9	2,906.2	42.68	69.097	
9,400.0	7,740.0	7,819.6	7,659.3	30.3	26.2	-73.42	1,647.8	-2.6	3,047.6	3,004.8	42.80	71.204	
9,500.0	7,740.0	7,816.9	7,656.6	31.8	26.2	-73.10	1,647.7	-2.6	3,146.5	3,103.6	42.93	73.298	
9,600.0	7,740.0	7,814.2	7,653.9	33.3	26.2	-72.78	1,647.6	-2.6	3,245.4	3,202.4	43.06	75.377	
9,700.0	7,740.0	7,811.6	7,651.3	34.8	26.2	-72.48	1,647.5	-2.6	3,344.4	3,301.2	43.19	77.443	
9,800.0	7,740.0	7,809.1	7,648.8	36.4	26.2	-72.18	1,647.4	-2.6	3,443.5	3,400.2	43.32	79.496	
9,900.0	7,740.0	7,806.6	7,646.3	38.0	26.2	-71.89	1,647.3	-2.6	3,542.6	3,499.1	43.45	81.535	
10,000.0	7,740.0	7,804.2	7,643.9	39.6	26.2	-71.61	1,647.2	-2.6	3,641.7	3,598.1	43.58	83.561	
10,100.0	7,740.0	7,801.8	7,641.5	41.2	26.2	-71.34	1,647.1	-2.6	3,740.9	3,697.2	43.72	85.575	
10,200.0	7,740.0	7,799.5	7,639.2	42.8	26.2	-71.07	1,647.0	-2.7	3,840.1	3,796.3	43.85	87.576	
10,300.0	7,740.0	7,797.2	7,636.9	44.5	26.2	-70.81	1,646.9	-2.7	3,939.4	3,895.4	43.98	89.564	
10,400.0	7,740.0	7,795.0	7,634.7	46.1	26.2	-70.56	1,646.8	-2.7	4,038.7	3,994.6	44.12	91.540	
10,500.0	7,740.0	7,792.7	7,632.4	47.8	26.2	-66.11	1,645.4	-2.8	4,138.3	4,094.1	44.19	93.656	
10,600.0	7,740.0	7,790.4	7,630.2	49.4	26.2	-66.11	1,645.4	-2.8	4,237.6	4,193.3	44.33	95.600	
10,700.0	7,740.0	7,788.1	7,628.0	51.1	26.2	-66.11	1,645.4	-2.8	4,337.0	4,292.5	44.47	97.533	
10,800.0	7,740.0	7,785.8	7,625.8	52.7	26.2	-66.11	1,645.4	-2.8	4,436.4	4,391.8	44.61	99.455	
10,900.0	7,740.0	7,783.5	7,623.5	54.4	26.2	-66.11	1,645.4	-2.8	4,535.8	4,491.0	44.75	101.366	
11,000.0	7,740.0	7,781.2	7,621.3	56.1	26.2	-66.11	1,645.4	-2.8	4,635.2	4,590.3	44.89	103.265	
11,100.0	7,740.0	7,778.9	7,619.0	57.8	26.2	-66.11	1,645.4	-2.8	4,734.7	4,689.7	45.03	105.153	
11,200.0	7,740.0	7,776.6	7,616.8	59.5	26.2	-66.11	1,645.4	-2.8	4,834.2	4,789.0	45.17	107.031	
11,300.0	7,740.0	7,774.3	7,614.5	61.2	26.2	-66.11	1,645.4	-2.8	4,933.7	4,888.4	45.31	108.898	
11,400.0	7,740.0	7,772.0	7,612.3	62.9	26.2	-66.11	1,645.4	-2.8	5,033.2	4,987.7	45.44	110.754	
11,500.0	7,740.0	7,769.7	7,610.0	64.6	26.2	-66.11	1,645.4	-2.8	5,132.7	5,087.1	45.58	112.600	
11,600.0	7,740.0	7,767.4	7,607.8	66.3	26.2	-66.11	1,645.4	-2.8	5,232.3	5,186.6	45.72	114.435	
11,700.0	7,740.0	7,765.1	7,605.5	68.0	26.2	-66.11	1,645.4	-2.8	5,331.9	5,286.0	45.86	116.261	
11,800.0	7,740.0	7,762.8	7,603.3	69.7	26.2	-66.11	1,645.4	-2.8	5,431.4	5,385.4	46.00	118.076	
11,900.0	7,740.0	7,760.5	7,601.0	71.4	26.2	-66.11	1,645.4	-2.8	5,531.0	5,484.9	46.14	119.882	
12,000.0	7,740.0	7,758.2	7,598.8	73.1	26.2	-66.11	1,645.4	-2.8	5,630.7	5,584.4	46.28	121.677	
12,100.0	7,740.0	7,755.9	7,596.5	74.8	26.2	-66.11	1,645.4	-2.8	5,730.3	5,683.9	46.41	123.463	
12,200.0	7,740.0	7,753.6	7,594.3	76.5	26.2	-66.11	1,645.4	-2.8	5,829.9	5,783.4	46.55	125.240	
12,300.0	7,740.0	7,751.3	7,592.0	78.2	26.2	-66.11	1,645.4	-2.8	5,929.6	5,882.9	46.69	127.007	
12,400.0	7,740.0	7,749.0	7,589.8	79.9	26.2	-66.11	1,645.4	-2.8	6,029.3	5,982.4	46.82	128.765	
12,500.0	7,740.0	7,746.7	7,594.8	81.7	26.2	-66.11	1,645.4	-2.8	6,128.9	6,082.0	46.96	130.514	
12,600.0	7,740.0	7,744.4	7,594.8	83.4	26.2	-66.11	1,645.4	-2.8	6,228.6	6,181.5	47.10	132.253	
12,700.0	7,740.0	7,742.1	7,594.8	85.1	26.2	-66.11	1,645.4	-2.8	6,328.3	6,281.1	47.23	133.984	
12,800.0	7,740.0	7,739.8	7,594.8	86.8	26.2	-66.11	1,645.4	-2.8	6,428.0	6,380.7	47.37	135.705	
12,900.0	7,740.0	7,737.5	7,594.8	88.6	26.2	-66.11	1,645.4	-2.8	6,527.8	6,480.3	47.50	137.418	
13,000.0	7,740.0	7,735.2	7,594.8	90.3	26.2	-66.11	1,645.4	-2.8	6,627.5	6,579.8	47.64	139.123	
13,100.0	7,740.0	7,732.9	7,582.8	92.0	26.1	-64.84	1,645.1	-2.9	6,727.2	6,679.4	47.75	140.872	
13,200.0	7,740.0	7,730.6	7,580.1	93.7	26.1	-64.55	1,645.0	-2.9	6,826.9	6,779.1	47.88	142.571	
13,300.0	7,740.0	7,728.3	7,577.4	95.5	26.1	-64.27	1,644.9	-2.9	6,926.7	6,878.7	48.01	144.263	
13,400.0	7,740.0	7,726.0	7,574.7	97.2	26.1	-63.99	1,644.8	-2.9	7,026.4	6,978.3	48.14	145.946	
13,500.0	7,740.0	7,723.2	7,572.0	98.9	26.1	-63.71	1,644.7	-2.9	7,126.2	7,077.9	48.27	147.621	
13,600.0	7,740.0	7,720.9	7,569.3	100.7	26.1	-63.43	1,644.7	-3.0	7,225.9	7,177.5	48.40	149.288	
13,700.0	7,740.0	7,718.6	7,566.6	102.4	26.1	-63.15	1,644.6	-3.0	7,325.7	7,277.2	48.53	150.947	
13,800.0	7,740.0	7,716.3	7,563.9	104.1	26.1	-62.87	1,644.5	-3.0	7,425.5	7,376.8	48.66	152.598	
13,900.0	7,740.0	7,714.0	7,561.2	105.9	26.1	-62.59	1,644.4	-3.0	7,525.3	7,476.5	48.79	154.241	
14,000.0	7,740.0	7,711.7	7,558.5	107.6	26.1	-62.31	1,644.3	-3.0	7,625.0	7,576.1	48.92	155.876	
14,100.0	7,740.0	7,709.4	7,555.8	109.3	26.1	-62.03	1,644.2	-3.0	7,724.8	7,675.8	49.05	157.504	
14,200.0	7,740.0	7,707.1	7,553.1	111.1	26.1	-61.75	1,644.2	-3.0	7,824.6	7,775.4	49.17	159.124	
14,300.0	7,740.0	7,704.8	7,550.4	112.8	26.1	-61.47	1,644.1	-3.0	7,924.4	7,875.1	49.30	160.737	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 11-7 (EXISTING) - ENCANA WELL - S													Offset Site Error: 0.0 ft
Survey Program: 132-Geolink MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
14,400.0	7,740.0	7,708.3	7,548.1	114.5	26.1	-61.29	1,644.0	-3.0	8,024.2	7,974.8	49.43	162.342	
14,500.0	7,740.0	7,705.7	7,545.5	116.3	26.1	-61.03	1,643.9	-3.1	8,124.0	8,074.4	49.55	163.940	
14,600.0	7,740.0	7,703.1	7,542.9	118.0	26.1	-60.77	1,643.8	-3.1	8,223.8	8,174.1	49.68	165.530	
14,700.0	7,740.0	7,700.5	7,540.3	119.7	26.1	-60.52	1,643.8	-3.1	8,323.6	8,273.8	49.81	167.113	
14,800.0	7,740.0	7,698.0	7,537.7	121.5	26.1	-60.27	1,643.7	-3.1	8,423.4	8,373.5	49.93	168.690	
14,900.0	7,740.0	7,695.4	7,535.2	123.2	26.1	-60.02	1,643.6	-3.1	8,523.2	8,473.2	50.06	170.258	
15,000.0	7,740.0	7,692.8	7,532.6	125.0	26.1	-59.77	1,643.5	-3.1	8,623.1	8,572.9	50.19	171.820	
15,100.0	7,740.0	7,690.3	7,530.0	126.7	26.1	-59.52	1,643.5	-3.1	8,722.9	8,672.6	50.31	173.375	
15,200.0	7,740.0	7,687.7	7,527.5	128.4	26.1	-59.28	1,643.4	-3.1	8,822.7	8,772.3	50.44	174.923	
15,300.0	7,740.0	7,685.2	7,524.9	130.2	26.1	-59.04	1,643.3	-3.1	8,922.5	8,872.0	50.56	176.464	
15,400.0	7,740.0	7,682.6	7,522.4	131.9	26.1	-58.80	1,643.2	-3.1	9,022.4	8,971.7	50.69	177.999	
15,500.0	7,740.0	7,680.1	7,519.9	133.7	26.1	-58.56	1,643.2	-3.1	9,122.2	9,071.4	50.81	179.526	
15,600.0	7,740.0	7,677.6	7,517.4	135.4	26.1	-58.32	1,643.1	-3.2	9,222.0	9,171.1	50.94	181.047	
15,700.0	7,740.0	7,675.1	7,514.9	137.2	26.1	-58.09	1,643.0	-3.2	9,321.9	9,270.8	51.06	182.562	
15,800.0	7,740.0	7,672.6	7,512.4	138.9	26.1	-57.86	1,642.9	-3.2	9,421.7	9,370.5	51.19	184.069	
15,900.0	7,740.0	7,670.1	7,509.9	140.6	26.1	-57.63	1,642.9	-3.2	9,521.6	9,470.3	51.31	185.571	
15,949.8	7,740.0	7,668.8	7,508.6	141.5	26.1	-57.51	1,642.8	-3.2	9,571.3	9,519.9	51.37	186.315	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 12-7 (EXISTING) - ENCANA WELL - N													Offset Site Error:	0.0 ft
Survey Program: 8325-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	88.0	88.0	0.0	0.2	-10.16	131.1	-23.5	133.2					
100.0	100.0	188.0	188.0	0.2	0.3	-10.16	131.1	-23.5	133.2	132.8	0.48	277.488		
200.0	200.0	288.0	288.0	0.3	0.5	-10.16	131.1	-23.5	133.2	132.4	0.83	160.679		
300.0	300.0	388.0	388.0	0.5	0.7	28.98	131.1	-23.5	132.5	131.3	1.18	112.410		
400.0	400.0	488.0	488.0	0.7	0.9	29.55	131.1	-23.5	130.2	128.7	1.53	85.160		
500.0	499.9	587.9	587.9	0.9	1.0	30.54	131.1	-23.5	126.4	124.5	1.88	67.198		
600.0	599.7	687.7	687.7	1.1	1.2	32.03	131.1	-23.5	121.2	119.0	2.24	54.165		
700.0	699.4	787.4	787.4	1.3	1.4	34.15	131.1	-23.5	114.6	112.0	2.60	44.076		
760.9	760.0	848.0	848.0	1.4	1.5	35.82	131.1	-23.5	110.0	107.2	2.83	38.924		
800.0	798.9	886.9	886.9	1.5	1.5	37.02	131.1	-23.5	106.9	103.9	2.97	35.970		
900.0	898.4	986.4	986.4	1.7	1.7	40.41	131.1	-23.5	99.3	95.9	3.35	29.602		
1,000.0	998.0	1,086.0	1,086.0	2.0	1.9	44.35	131.1	-23.5	92.0	88.3	3.75	24.569		
1,100.0	1,097.5	1,185.5	1,185.5	2.2	2.1	48.93	131.1	-23.5	85.3	81.1	4.15	20.548		
1,200.0	1,197.0	1,285.0	1,285.0	2.5	2.2	54.25	131.1	-23.5	79.2	74.6	4.57	17.327		
1,300.0	1,296.5	1,384.5	1,384.5	2.7	2.4	60.39	131.1	-23.5	73.9	68.9	5.01	14.764		
1,400.0	1,396.0	1,484.0	1,484.0	2.9	2.6	67.38	131.1	-23.5	69.6	64.1	5.45	12.763		
1,500.0	1,495.6	1,583.6	1,583.6	3.2	2.8	75.15	131.1	-23.5	66.4	60.5	5.90	11.254		
1,600.0	1,595.1	1,683.1	1,683.1	3.4	2.9	83.52	131.1	-23.5	64.6	58.2	6.34	10.182		
1,674.9	1,669.6	1,757.6	1,757.6	3.6	3.1	90.00	131.1	-23.5	64.2	57.5	6.66	9.632 CC		
1,700.0	1,694.6	1,782.6	1,782.6	3.7	3.1	92.18	131.1	-23.5	64.2	57.5	6.77	9.492 ES		
1,800.0	1,794.1	1,882.1	1,882.1	3.9	3.3	100.74	131.1	-23.5	65.3	58.2	7.16	9.127		
1,900.0	1,893.7	1,981.7	1,981.7	4.1	3.5	108.84	131.1	-23.5	67.8	60.3	7.52	9.024 SF		
2,000.0	1,993.2	2,081.2	2,081.2	4.4	3.6	116.23	131.1	-23.5	71.6	63.8	7.85	9.123		
2,100.0	2,092.7	2,180.7	2,180.7	4.6	3.8	122.80	131.1	-23.5	76.4	68.3	8.16	9.365		
2,200.0	2,192.2	2,280.2	2,280.2	4.9	4.0	128.52	131.1	-23.5	82.2	73.7	8.47	9.707		
2,300.0	2,291.7	2,379.7	2,379.7	5.1	4.2	133.46	131.1	-23.5	88.6	79.8	8.76	10.110		
2,400.0	2,391.3	2,479.3	2,479.3	5.4	4.3	137.70	131.1	-23.5	95.6	86.5	9.06	10.549		
2,500.0	2,490.8	2,578.8	2,578.8	5.6	4.5	141.35	131.1	-23.5	103.1	93.7	9.36	11.006		
2,600.0	2,590.3	2,678.3	2,678.3	5.8	4.7	144.51	131.1	-23.5	110.9	101.2	9.67	11.467		
2,700.0	2,689.8	2,777.8	2,777.8	6.1	4.8	147.24	131.1	-23.5	119.0	109.0	9.98	11.923		
2,800.0	2,789.3	2,877.3	2,877.3	6.3	5.0	149.61	131.1	-23.5	127.3	117.0	10.29	12.371		
2,900.0	2,888.9	2,976.9	2,976.9	6.6	5.2	151.70	131.1	-23.5	135.9	125.2	10.61	12.805		
3,000.0	2,988.4	3,076.4	3,076.4	6.8	5.4	153.53	131.1	-23.5	144.5	133.6	10.93	13.225		
3,100.0	3,087.9	3,175.9	3,175.9	7.1	5.5	155.16	131.1	-23.5	153.4	142.1	11.25	13.628		
3,200.0	3,187.4	3,275.4	3,275.4	7.3	5.7	156.61	131.1	-23.5	162.3	150.7	11.58	14.016		
3,300.0	3,286.9	3,374.9	3,374.9	7.5	5.9	157.90	131.1	-23.5	171.3	159.4	11.91	14.387		
3,400.0	3,386.5	3,474.5	3,474.5	7.8	6.1	159.07	131.1	-23.5	180.4	168.2	12.24	14.742		
3,500.0	3,486.0	3,574.0	3,574.0	8.0	6.2	160.13	131.1	-23.5	189.6	177.0	12.57	15.082		
3,600.0	3,585.5	3,673.5	3,673.5	8.3	6.4	161.08	131.1	-23.5	198.8	185.9	12.90	15.407		
3,700.0	3,685.0	3,773.0	3,773.0	8.5	6.6	161.96	131.1	-23.5	208.1	194.8	13.24	15.717		
3,800.0	3,784.6	3,872.6	3,872.6	8.8	6.8	162.75	131.1	-23.5	217.4	203.8	13.57	16.015		
3,900.0	3,884.1	3,972.1	3,972.1	9.0	6.9	163.49	131.1	-23.5	226.7	212.8	13.91	16.299		
4,000.0	3,983.6	4,071.6	4,071.6	9.3	7.1	164.16	131.1	-23.5	236.1	221.9	14.25	16.571		
4,100.0	4,083.1	4,171.1	4,171.1	9.5	7.3	164.78	131.1	-23.5	245.6	231.0	14.59	16.832		
4,200.0	4,182.6	4,270.6	4,270.6	9.7	7.5	165.36	131.1	-23.5	255.0	240.1	14.93	17.082		
4,300.0	4,282.2	4,370.2	4,370.2	10.0	7.6	165.89	131.1	-23.5	264.5	249.2	15.27	17.321		
4,400.0	4,381.7	4,469.7	4,469.7	10.2	7.8	166.39	131.1	-23.5	274.0	258.4	15.61	17.551		
4,500.0	4,481.2	4,569.2	4,569.2	10.5	8.0	166.86	131.1	-23.5	283.5	267.5	15.95	17.772		
4,600.0	4,580.7	4,668.7	4,668.7	10.7	8.1	167.29	131.1	-23.5	293.0	276.7	16.29	17.984		
4,700.0	4,680.2	4,768.2	4,768.2	11.0	8.3	167.70	131.1	-23.5	302.6	285.9	16.64	18.187		
4,800.0	4,779.8	4,867.8	4,867.8	11.2	8.5	168.08	131.1	-23.5	312.1	295.1	16.98	18.383		
4,900.0	4,879.3	4,967.3	4,967.3	11.4	8.7	168.44	131.1	-23.5	321.7	304.4	17.32	18.572		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 12-7 (EXISTING) - ENCANA WELL - N												Offset Site Error:	0.0 ft
Survey Program: 8325-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		
5,000.0	4,978.8	5,066.8	5,066.8	11.7	8.8	168.78	131.1	-23.5	331.3	313.6	17.66	18.753	
5,100.0	5,078.3	5,166.3	5,166.3	11.9	9.0	169.10	131.1	-23.5	340.9	322.9	18.01	18.928	
5,200.0	5,177.9	5,265.9	5,265.9	12.2	9.2	169.40	131.1	-23.5	350.5	332.1	18.35	19.097	
5,300.0	5,277.4	5,365.4	5,365.4	12.4	9.4	169.69	131.1	-23.5	360.1	341.4	18.70	19.260	
5,400.0	5,376.9	5,464.9	5,464.9	12.7	9.5	169.96	131.1	-23.5	369.7	350.7	19.04	19.417	
5,500.0	5,476.4	5,564.4	5,564.4	12.9	9.7	170.21	131.1	-23.5	379.3	359.9	19.38	19.568	
5,600.0	5,575.9	5,663.9	5,663.9	13.2	9.9	170.46	131.1	-23.5	389.0	369.2	19.73	19.715	
5,700.0	5,675.5	5,763.5	5,763.5	13.4	10.1	170.69	131.1	-23.5	398.6	378.5	20.07	19.857	
5,800.0	5,775.0	5,863.0	5,863.0	13.6	10.2	170.91	131.1	-23.5	408.3	387.8	20.42	19.994	
5,900.0	5,874.5	5,962.5	5,962.5	13.9	10.4	171.13	131.1	-23.5	417.9	397.1	20.76	20.126	
6,000.0	5,974.0	6,062.0	6,062.0	14.1	10.6	171.33	131.1	-23.5	427.6	406.5	21.11	20.255	
6,100.0	6,073.5	6,161.5	6,161.5	14.4	10.8	171.52	131.1	-23.5	437.2	415.8	21.46	20.379	
6,200.0	6,173.1	6,261.1	6,261.1	14.6	10.9	171.71	131.1	-23.5	446.9	425.1	21.80	20.500	
6,300.0	6,272.6	6,360.6	6,360.6	14.9	11.1	171.88	131.1	-23.5	456.6	434.4	22.15	20.617	
6,400.0	6,372.1	6,460.1	6,460.1	15.1	11.3	172.05	131.1	-23.5	466.3	443.8	22.49	20.730	
6,500.0	6,471.6	6,559.6	6,559.6	15.4	11.4	172.21	131.1	-23.5	475.9	453.1	22.84	20.840	
6,600.0	6,571.1	6,659.1	6,659.1	15.6	11.6	172.37	131.1	-23.5	485.6	462.4	23.18	20.947	
6,700.0	6,670.7	6,758.7	6,758.7	15.8	11.8	172.52	131.1	-23.5	495.3	471.8	23.53	21.051	
6,800.0	6,770.2	6,858.2	6,858.2	16.1	12.0	172.66	131.1	-23.5	505.0	481.1	23.88	21.152	
6,900.0	6,869.7	6,957.7	6,957.7	16.3	12.1	172.80	131.1	-23.5	514.7	490.5	24.22	21.250	
7,000.0	6,969.2	7,057.2	7,057.2	16.6	12.3	172.94	131.1	-23.5	524.4	499.8	24.57	21.345	
7,100.0	7,068.8	7,156.8	7,156.8	16.8	12.5	173.07	131.1	-23.5	534.1	509.2	24.91	21.438	
7,156.2	7,124.7	7,212.7	7,212.7	17.0	12.6	173.14	131.1	-23.5	539.6	514.5	25.11	21.489	
7,200.0	7,168.4	7,256.4	7,256.4	17.0	12.7	-135.43	131.1	-23.5	542.7	517.4	25.26	21.483	
7,250.0	7,218.2	7,306.2	7,306.2	17.1	12.8	-81.34	131.1	-23.5	543.3	517.9	25.43	21.365	
7,300.0	7,267.7	7,355.7	7,355.7	17.1	12.8	-66.56	131.1	-23.5	541.1	515.5	25.60	21.132	
7,350.0	7,316.4	7,404.4	7,404.4	17.1	12.9	-61.86	131.1	-23.5	536.0	510.2	25.78	20.792	
7,400.0	7,363.9	7,451.9	7,451.9	17.0	13.0	-60.67	131.1	-23.5	528.2	502.3	25.95	20.356	
7,450.0	7,410.0	7,498.0	7,498.0	16.9	13.1	-61.29	131.1	-23.5	518.2	492.1	26.12	19.840	
7,500.0	7,454.3	7,542.3	7,542.3	16.8	13.2	-63.12	131.1	-23.5	506.3	480.0	26.29	19.258	
7,550.0	7,496.3	7,584.3	7,584.3	16.7	13.2	-65.83	131.1	-23.5	493.0	466.5	26.46	18.632	
7,600.0	7,535.9	7,623.9	7,623.9	16.5	13.3	-69.22	131.1	-23.5	478.8	452.2	26.62	17.986	
7,650.0	7,572.7	7,660.7	7,660.7	16.4	13.4	-73.07	131.1	-23.5	464.5	437.8	26.78	17.346	
7,700.0	7,606.4	7,694.4	7,694.4	16.3	13.4	-77.13	131.1	-23.5	451.0	424.1	26.94	16.743	
7,750.0	7,636.7	7,724.7	7,724.7	16.2	13.5	-81.15	131.1	-23.5	439.1	412.0	27.09	16.211	
7,800.0	7,663.5	7,751.5	7,751.5	16.1	13.5	-84.86	131.1	-23.5	429.8	402.6	27.23	15.784	
7,850.0	7,686.5	7,774.5	7,774.5	16.0	13.6	-88.01	131.1	-23.5	424.0	396.7	27.37	15.494	
7,890.1	7,702.1	7,790.1	7,790.1	16.0	13.6	-90.00	131.1	-23.5	422.5	395.0	27.47	15.379	
7,900.0	7,705.6	7,793.6	7,793.6	16.0	13.6	-90.40	131.1	-23.5	422.6	395.1	27.49	15.371	
7,950.0	7,720.6	7,808.6	7,808.6	16.0	13.6	-91.89	131.1	-23.5	426.1	398.5	27.61	15.433	
8,000.0	7,731.4	7,819.4	7,819.4	16.0	13.6	-92.35	131.1	-23.5	434.9	407.1	27.72	15.689	
8,050.0	7,737.8	7,825.8	7,825.8	16.1	13.7	-91.73	131.1	-23.5	448.8	421.0	27.81	16.135	
8,099.8	7,740.0	7,828.0	7,828.0	16.2	13.7	-90.00	131.1	-23.5	467.4	439.5	27.90	16.752	
8,200.0	7,740.0	7,828.0	7,828.0	16.6	13.7	-90.00	131.1	-23.5	517.3	489.2	28.06	18.435	
8,300.0	7,740.0	7,828.0	7,828.0	17.2	13.7	-90.00	131.1	-23.5	580.2	552.0	28.21	20.563	
8,400.0	7,740.0	7,828.0	7,828.0	17.9	13.7	-90.00	131.1	-23.5	652.4	624.1	28.37	22.997	
8,500.0	7,740.0	7,828.0	7,828.0	18.8	13.7	-90.00	131.1	-23.5	731.3	702.7	28.53	25.633	
8,600.0	7,740.0	7,828.0	7,828.0	19.8	13.7	-90.00	131.1	-23.5	814.7	786.0	28.69	28.401	
8,700.0	7,740.0	7,828.0	7,828.0	20.9	13.7	-90.00	131.1	-23.5	901.6	872.7	28.84	31.256	
8,800.0	7,740.0	7,828.0	7,828.0	22.0	13.7	-90.00	131.1	-23.5	990.9	961.9	29.00	34.164	
8,900.0	7,740.0	7,828.0	7,828.0	23.3	13.7	-90.00	131.1	-23.5	1,082.1	1,052.9	29.16	37.105	
9,000.0	7,740.0	7,828.0	7,828.0	24.6	13.7	-90.00	131.1	-23.5	1,174.7	1,145.4	29.32	40.063	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 12-7 (EXISTING) - ENCANA WELL - N													Offset Site Error:	0.0 ft
Survey Program: 8325-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)	
9,100.0	7,740.0	7,828.0	7,828.0	25.9	13.7	-90.00	131.1	-23.5	1,268.5	1,239.0	29.48	43.027		
9,200.0	7,740.0	7,828.0	7,828.0	27.3	13.7	-90.00	131.1	-23.5	1,363.1	1,333.5	29.64	45.991		
9,300.0	7,740.0	7,828.0	7,828.0	28.8	13.7	-90.00	131.1	-23.5	1,458.5	1,428.7	29.80	48.947		
9,400.0	7,740.0	7,828.0	7,828.0	30.3	13.7	-90.00	131.1	-23.5	1,554.4	1,524.5	29.95	51.894		
9,500.0	7,740.0	7,828.0	7,828.0	31.8	13.7	-90.00	131.1	-23.5	1,650.8	1,620.7	30.11	54.826		
9,600.0	7,740.0	7,828.0	7,828.0	33.3	13.7	-90.00	131.1	-23.5	1,747.7	1,717.4	30.27	57.743		
9,700.0	7,740.0	7,828.0	7,828.0	34.8	13.7	-90.00	131.1	-23.5	1,844.8	1,814.4	30.42	60.642		
9,800.0	7,740.0	7,828.0	7,828.0	36.4	13.7	-90.00	131.1	-23.5	1,942.3	1,911.7	30.58	63.523		
9,900.0	7,740.0	7,828.0	7,828.0	38.0	13.7	-90.00	131.1	-23.5	2,040.0	2,009.2	30.73	66.385		
10,000.0	7,740.0	7,828.0	7,828.0	39.6	13.7	-90.00	131.1	-23.5	2,137.9	2,107.0	30.88	69.226		
10,100.0	7,740.0	7,828.0	7,828.0	41.2	13.7	-90.00	131.1	-23.5	2,236.0	2,204.9	31.03	72.047		
10,200.0	7,740.0	7,828.0	7,828.0	42.8	13.7	-90.00	131.1	-23.5	2,334.2	2,303.0	31.19	74.848		
10,300.0	7,740.0	7,828.0	7,828.0	44.5	13.7	-90.00	131.1	-23.5	2,432.6	2,401.3	31.34	77.627		
10,400.0	7,740.0	7,828.0	7,828.0	46.1	13.7	-90.00	131.1	-23.5	2,531.2	2,499.7	31.49	80.385		
10,500.0	7,740.0	7,828.0	7,828.0	47.8	13.7	-90.00	131.1	-23.5	2,629.8	2,598.2	31.64	83.123		
10,600.0	7,740.0	7,828.0	7,828.0	49.4	13.7	-90.00	131.1	-23.5	2,728.5	2,696.7	31.79	85.839		
10,700.0	7,740.0	7,828.0	7,828.0	51.1	13.7	-90.00	131.1	-23.5	2,827.4	2,795.4	31.93	88.535		
10,800.0	7,740.0	7,828.0	7,828.0	52.7	13.7	-90.00	131.1	-23.5	2,926.3	2,894.2	32.08	91.210		
10,900.0	7,740.0	7,828.0	7,828.0	54.4	13.7	-90.00	131.1	-23.5	3,025.2	2,993.0	32.23	93.865		
11,000.0	7,740.0	7,828.0	7,828.0	56.1	13.7	-90.00	131.1	-23.5	3,124.3	3,091.9	32.38	96.499		
11,100.0	7,740.0	7,828.0	7,828.0	57.8	13.7	-90.00	131.1	-23.5	3,223.4	3,190.8	32.52	99.113		
11,200.0	7,740.0	7,828.0	7,828.0	59.5	13.7	-90.00	131.1	-23.5	3,322.5	3,289.9	32.67	101.707		
11,300.0	7,740.0	7,828.0	7,828.0	61.2	13.7	-90.00	131.1	-23.5	3,421.7	3,388.9	32.81	104.282		
11,400.0	7,740.0	7,828.0	7,828.0	62.9	13.7	-90.00	131.1	-23.5	3,521.0	3,488.0	32.96	106.837		
11,500.0	7,740.0	7,828.0	7,828.0	64.6	13.7	-90.00	131.1	-23.5	3,620.3	3,587.2	33.10	109.372		
11,600.0	7,740.0	7,828.0	7,828.0	66.3	13.7	-90.00	131.1	-23.5	3,719.6	3,686.4	33.24	111.889		
11,700.0	7,740.0	7,828.0	7,828.0	68.0	13.7	-90.00	131.1	-23.5	3,819.0	3,785.6	33.39	114.387		
11,800.0	7,740.0	7,828.0	7,828.0	69.7	13.7	-90.00	131.1	-23.5	3,918.4	3,884.8	33.53	116.867		
11,900.0	7,740.0	7,828.0	7,828.0	71.4	13.7	-90.00	131.1	-23.5	4,017.8	3,984.1	33.67	119.328		
12,000.0	7,740.0	7,828.0	7,828.0	73.1	13.7	-90.00	131.1	-23.5	4,117.2	4,083.4	33.81	121.771		
12,100.0	7,740.0	7,828.0	7,828.0	74.8	13.7	-90.00	131.1	-23.5	4,216.7	4,182.8	33.95	124.196		
12,200.0	7,740.0	7,828.0	7,828.0	76.5	13.7	-90.00	131.1	-23.5	4,316.2	4,282.1	34.09	126.604		
12,300.0	7,740.0	7,828.0	7,828.0	78.2	13.7	-90.00	131.1	-23.5	4,415.7	4,381.5	34.23	128.995		
12,400.0	7,740.0	7,828.0	7,828.0	79.9	13.7	-90.00	131.1	-23.5	4,515.3	4,480.9	34.37	131.368		
12,500.0	7,740.0	7,828.0	7,828.0	81.7	13.7	-90.00	131.1	-23.5	4,614.9	4,580.3	34.51	133.725		
12,600.0	7,740.0	7,828.0	7,828.0	83.4	13.7	-90.00	131.1	-23.5	4,714.4	4,679.8	34.65	136.065		
12,700.0	7,740.0	7,828.0	7,828.0	85.1	13.7	-90.00	131.1	-23.5	4,814.0	4,779.3	34.79	138.388		
12,800.0	7,740.0	7,828.0	7,828.0	86.8	13.7	-90.00	131.1	-23.5	4,913.7	4,878.7	34.92	140.695		
12,900.0	7,740.0	7,828.0	7,828.0	88.6	13.7	-90.00	131.1	-23.5	5,013.3	4,978.2	35.06	142.987		
13,000.0	7,740.0	7,828.0	7,828.0	90.3	13.7	-90.00	131.1	-23.5	5,112.9	5,077.7	35.20	145.262		
13,100.0	7,740.0	7,828.0	7,828.0	92.0	13.7	-90.00	131.1	-23.5	5,212.6	5,177.3	35.33	147.522		
13,200.0	7,740.0	7,828.0	7,828.0	93.7	13.7	-90.00	131.1	-23.5	5,312.3	5,276.8	35.47	149.767		
13,300.0	7,740.0	7,828.0	7,828.0	95.5	13.7	-90.00	131.1	-23.5	5,412.0	5,376.4	35.61	151.996		
13,400.0	7,740.0	7,828.0	7,828.0	97.2	13.7	-90.00	131.1	-23.5	5,511.7	5,475.9	35.74	154.211		
13,500.0	7,740.0	7,828.0	7,828.0	98.9	13.7	-90.00	131.1	-23.5	5,611.4	5,575.5	35.88	156.410		
13,600.0	7,740.0	7,828.0	7,828.0	100.7	13.7	-90.00	131.1	-23.5	5,711.1	5,675.1	36.01	158.595		
13,700.0	7,740.0	7,828.0	7,828.0	102.4	13.7	-90.00	131.1	-23.5	5,810.8	5,774.7	36.14	160.766		
13,800.0	7,740.0	7,828.0	7,828.0	104.1	13.7	-90.00	131.1	-23.5	5,910.5	5,874.3	36.28	162.922		
13,900.0	7,740.0	7,828.0	7,828.0	105.9	13.7	-90.00	131.1	-23.5	6,010.3	5,973.9	36.41	165.065		
14,000.0	7,740.0	7,828.0	7,828.0	107.6	13.7	-90.00	131.1	-23.5	6,110.0	6,073.5	36.54	167.193		
14,100.0	7,740.0	7,828.0	7,828.0	109.3	13.7	-90.00	131.1	-23.5	6,209.8	6,173.1	36.68	169.308		
14,200.0	7,740.0	7,828.0	7,828.0	111.1	13.7	-90.00	131.1	-23.5	6,309.6	6,272.8	36.81	171.410		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - WOOLLEY 12-7 (EXISTING) - ENCANA WELL - N													Offset Site Error:	0.0 ft
Survey Program: 8325-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		
14,300.0	7,740.0	7,828.0	7,828.0	112.8	13.7	-90.00	131.1	-23.5	6,409.4	6,372.4	36.94	173.498		
14,400.0	7,740.0	7,828.0	7,828.0	114.5	13.7	-90.00	131.1	-23.5	6,509.1	6,472.1	37.07	175.572		
14,500.0	7,740.0	7,828.0	7,828.0	116.3	13.7	-90.00	131.1	-23.5	6,608.9	6,571.7	37.21	177.634		
14,600.0	7,740.0	7,828.0	7,828.0	118.0	13.7	-90.00	131.1	-23.5	6,708.7	6,671.4	37.34	179.683		
14,700.0	7,740.0	7,828.0	7,828.0	119.7	13.7	-90.00	131.1	-23.5	6,808.5	6,771.1	37.47	181.719		
14,800.0	7,740.0	7,828.0	7,828.0	121.5	13.7	-90.00	131.1	-23.5	6,908.3	6,870.7	37.60	183.743		
14,900.0	7,740.0	7,828.0	7,828.0	123.2	13.7	-90.00	131.1	-23.5	7,008.1	6,970.4	37.73	185.754		
15,000.0	7,740.0	7,828.0	7,828.0	125.0	13.7	-90.00	131.1	-23.5	7,108.0	7,070.1	37.86	187.753		
15,100.0	7,740.0	7,828.0	7,828.0	126.7	13.7	-90.00	131.1	-23.5	7,207.8	7,169.8	37.99	189.739		
15,200.0	7,740.0	7,828.0	7,828.0	128.4	13.7	-90.00	131.1	-23.5	7,307.6	7,269.5	38.12	191.714		
15,300.0	7,740.0	7,828.0	7,828.0	130.2	13.7	-90.00	131.1	-23.5	7,407.5	7,369.2	38.25	193.677		
15,400.0	7,740.0	7,828.0	7,828.0	131.9	13.7	-90.00	131.1	-23.5	7,507.3	7,468.9	38.38	195.628		
15,500.0	7,740.0	7,828.0	7,828.0	133.7	13.7	-90.00	131.1	-23.5	7,607.1	7,568.6	38.50	197.568		
15,600.0	7,740.0	7,828.0	7,828.0	135.4	13.7	-90.00	131.1	-23.5	7,707.0	7,668.3	38.63	199.496		
15,700.0	7,740.0	7,828.0	7,828.0	137.2	13.7	-90.00	131.1	-23.5	7,806.8	7,768.1	38.76	201.412		
15,800.0	7,740.0	7,828.0	7,828.0	138.9	13.7	-90.00	131.1	-23.5	7,906.7	7,867.8	38.89	203.318		
15,900.0	7,740.0	7,828.0	7,828.0	140.6	13.7	-90.00	131.1	-23.5	8,006.5	7,967.5	39.02	205.213		
15,949.8	7,740.0	7,828.0	7,828.0	141.5	13.7	-90.00	131.1	-23.5	8,056.2	8,017.2	39.08	206.151		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2A-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	90.39	-0.4	52.6	52.6					
100.0	100.0	100.0	100.0	0.2	0.2	90.39	-0.4	52.6	52.6	52.3	0.30	173.265		
200.0	200.0	200.0	200.0	0.3	0.3	90.39	-0.4	52.6	52.6	52.0	0.65	80.610		
300.0	300.0	300.8	300.8	0.5	0.5	130.58	-0.8	51.8	52.4	51.4	1.00	52.220		
400.0	400.0	401.5	401.5	0.7	0.7	134.33	-2.1	49.5	52.0	50.6	1.36	38.270		
487.9	487.8	489.9	489.8	0.8	0.9	139.74	-4.0	46.3	51.8	50.1	1.68	30.882 CC		
500.0	499.9	502.0	501.9	0.9	0.9	140.64	-4.3	45.7	51.8	50.0	1.72	30.100		
600.0	599.7	602.3	602.0	1.1	1.1	149.37	-7.4	40.4	52.5	50.4	2.09	25.107		
700.0	699.4	702.3	701.8	1.3	1.3	158.21	-10.0	34.4	55.2	52.8	2.46	22.434		
760.9	760.0	763.1	762.4	1.4	1.4	162.74	-10.9	30.8	57.9	55.2	2.69	21.563		
800.0	798.9	802.0	801.3	1.5	1.5	165.45	-11.4	28.6	60.0	57.2	2.83	21.206		
900.0	898.4	901.6	900.7	1.7	1.7	171.56	-12.7	22.7	65.9	62.7	3.20	20.600		
1,000.0	998.0	1,001.2	1,000.1	2.0	1.9	176.62	-14.1	16.8	72.5	68.9	3.57	20.278		
1,100.0	1,097.5	1,100.8	1,099.5	2.2	2.1	-179.18	-15.4	11.0	79.5	75.6	3.95	20.119		
1,200.0	1,197.0	1,200.4	1,198.9	2.5	2.3	-175.67	-16.7	5.1	86.9	82.5	4.33	20.054		
1,300.0	1,296.5	1,300.0	1,298.4	2.7	2.5	-172.73	-18.1	-0.7	94.5	89.8	4.72	20.043		
1,400.0	1,396.0	1,399.6	1,397.8	2.9	2.7	-170.22	-19.4	-6.6	102.4	97.3	5.10	20.064		
1,500.0	1,495.6	1,499.2	1,497.2	3.2	2.9	-168.08	-20.8	-12.4	110.4	104.9	5.49	20.104		
1,600.0	1,595.1	1,598.8	1,596.6	3.4	3.1	-166.23	-22.1	-18.3	118.5	112.7	5.88	20.153		
1,700.0	1,694.6	1,698.4	1,696.0	3.7	3.3	-164.62	-23.5	-24.1	126.8	120.5	6.28	20.208		
1,800.0	1,794.1	1,798.0	1,795.4	3.9	3.5	-163.21	-24.8	-30.0	135.2	128.5	6.67	20.265		
1,900.0	1,893.7	1,897.6	1,894.9	4.1	3.7	-161.96	-26.1	-35.8	143.6	136.5	7.06	20.323		
2,000.0	1,993.2	1,997.2	1,994.3	4.4	3.9	-160.85	-27.5	-41.7	152.1	144.6	7.46	20.379		
2,100.0	2,092.7	2,096.8	2,093.7	4.6	4.1	-159.86	-28.8	-47.5	160.6	152.7	7.86	20.434		
2,200.0	2,192.2	2,196.4	2,193.1	4.9	4.3	-158.96	-30.2	-53.4	169.2	160.9	8.26	20.487		
2,300.0	2,291.7	2,296.0	2,292.5	5.1	4.5	-158.16	-31.5	-59.3	177.8	169.1	8.66	20.538		
2,400.0	2,391.3	2,395.6	2,392.0	5.4	4.7	-157.43	-32.9	-65.1	186.4	177.4	9.06	20.587		
2,500.0	2,490.8	2,495.2	2,491.4	5.6	4.9	-156.76	-34.2	-71.0	195.1	185.6	9.46	20.633		
2,600.0	2,590.3	2,594.8	2,590.8	5.8	5.1	-156.15	-35.5	-76.8	203.8	193.9	9.86	20.677		
2,700.0	2,689.8	2,694.4	2,690.2	6.1	5.3	-155.59	-36.9	-82.7	212.5	202.3	10.26	20.719		
2,800.0	2,789.3	2,794.0	2,789.6	6.3	5.5	-155.08	-38.2	-88.5	221.2	210.6	10.66	20.759		
2,900.0	2,888.9	2,893.6	2,889.0	6.6	5.7	-154.60	-39.6	-94.4	230.0	218.9	11.06	20.797		
3,000.0	2,988.4	2,993.2	2,988.5	6.8	5.9	-154.16	-40.9	-100.2	238.8	227.3	11.46	20.833		
3,100.0	3,087.9	3,092.8	3,087.9	7.1	6.1	-153.75	-42.3	-106.1	247.5	235.7	11.86	20.868		
3,200.0	3,187.4	3,192.4	3,187.3	7.3	6.3	-153.37	-43.6	-111.9	256.3	244.1	12.26	20.901		
3,300.0	3,286.9	3,292.0	3,286.7	7.5	6.5	-153.01	-44.9	-117.8	265.1	252.5	12.67	20.932		
3,400.0	3,386.5	3,391.6	3,386.1	7.8	6.7	-152.68	-46.3	-123.7	273.9	260.9	13.07	20.962		
3,500.0	3,486.0	3,491.2	3,485.5	8.0	6.9	-152.36	-47.6	-129.5	282.8	269.3	13.47	20.990		
3,600.0	3,585.5	3,590.8	3,585.0	8.3	7.1	-152.07	-49.0	-135.4	291.6	277.7	13.87	21.017		
3,700.0	3,685.0	3,690.4	3,684.4	8.5	7.3	-151.79	-50.3	-141.2	300.4	286.1	14.28	21.043		
3,800.0	3,784.6	3,790.0	3,783.8	8.8	7.5	-151.53	-51.7	-147.1	309.3	294.6	14.68	21.068		
3,900.0	3,884.1	3,889.6	3,883.2	9.0	7.7	-151.28	-53.0	-152.9	318.1	303.0	15.08	21.092		
4,000.0	3,983.6	3,989.2	3,982.6	9.3	7.9	-151.05	-54.3	-158.8	327.0	311.5	15.49	21.114		
4,100.0	4,083.1	4,088.8	4,082.1	9.5	8.1	-150.83	-55.7	-164.6	335.8	319.9	15.89	21.136		
4,200.0	4,182.6	4,188.4	4,181.5	9.7	8.4	-150.62	-57.0	-170.5	344.7	328.4	16.29	21.157		
4,300.0	4,282.2	4,288.0	4,280.9	10.0	8.6	-150.42	-58.4	-176.3	353.6	336.9	16.69	21.177		
4,400.0	4,381.7	4,387.6	4,380.3	10.2	8.8	-150.23	-59.7	-182.2	362.4	345.3	17.10	21.197		
4,500.0	4,481.2	4,487.2	4,479.7	10.5	9.0	-150.05	-61.1	-188.1	371.3	353.8	17.50	21.215		
4,600.0	4,580.7	4,586.8	4,579.1	10.7	9.2	-149.88	-62.4	-193.9	380.2	362.3	17.90	21.233		
4,700.0	4,680.2	4,686.4	4,678.6	11.0	9.4	-149.72	-63.7	-199.8	389.1	370.7	18.31	21.250		
4,800.0	4,779.8	4,786.0	4,778.0	11.2	9.6	-149.56	-65.1	-205.6	397.9	379.2	18.71	21.267		
4,900.0	4,879.3	4,885.6	4,877.4	11.4	9.8	-149.41	-66.4	-211.5	406.8	387.7	19.12	21.282		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2A-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
5,000.0	4,978.8	4,985.1	4,976.8	11.7	10.0	-149.27	-67.8	-217.3	415.7	396.2	19.52	21.298		
5,100.0	5,078.3	5,084.7	5,076.2	11.9	10.2	-149.13	-69.1	-223.2	424.6	404.7	19.92	21.313		
5,200.0	5,177.9	5,184.3	5,175.6	12.2	10.4	-149.00	-70.5	-229.0	433.5	413.2	20.33	21.327		
5,300.0	5,277.4	5,283.9	5,275.1	12.4	10.6	-148.87	-71.8	-234.9	442.4	421.7	20.73	21.341		
5,400.0	5,376.9	5,383.5	5,374.5	12.7	10.8	-148.75	-73.1	-240.7	451.3	430.2	21.13	21.354		
5,500.0	5,476.4	5,483.1	5,473.9	12.9	11.0	-148.63	-74.5	-246.6	460.2	438.7	21.54	21.367		
5,600.0	5,575.9	5,582.7	5,573.3	13.2	11.2	-148.52	-75.8	-252.4	469.1	447.2	21.94	21.379		
5,700.0	5,675.5	5,682.3	5,672.7	13.4	11.4	-148.41	-77.2	-258.3	478.0	455.7	22.35	21.392		
5,800.0	5,775.0	5,781.9	5,772.2	13.6	11.6	-148.31	-78.5	-264.2	486.9	464.2	22.75	21.403		
5,900.0	5,874.5	5,881.5	5,871.6	13.9	11.8	-148.21	-79.9	-270.0	495.8	472.7	23.15	21.415		
6,000.0	5,974.0	5,981.1	5,971.0	14.1	12.0	-148.11	-81.2	-275.9	504.7	481.2	23.56	21.426		
6,100.0	6,073.5	6,080.7	6,070.4	14.4	12.2	-148.02	-82.5	-281.7	513.6	489.7	23.96	21.436		
6,200.0	6,173.1	6,180.3	6,169.8	14.6	12.4	-147.93	-83.9	-287.6	522.5	498.2	24.37	21.447		
6,300.0	6,272.6	6,279.9	6,269.2	14.9	12.6	-147.84	-85.2	-293.4	531.5	506.7	24.77	21.457		
6,400.0	6,372.1	6,379.5	6,368.7	15.1	12.8	-147.76	-86.6	-299.3	540.4	515.2	25.17	21.466		
6,500.0	6,471.6	6,479.1	6,468.1	15.4	13.0	-147.67	-87.9	-305.1	549.3	523.7	25.58	21.476		
6,600.0	6,571.1	6,578.7	6,567.5	15.6	13.2	-147.60	-89.3	-311.0	558.2	532.2	25.98	21.485		
6,700.0	6,670.7	6,678.3	6,666.9	15.8	13.4	-147.52	-90.6	-316.8	567.1	540.7	26.39	21.494		
6,800.0	6,770.2	6,777.9	6,766.3	16.1	13.6	-147.44	-91.9	-322.7	576.0	549.3	26.79	21.503		
6,900.0	6,869.7	6,877.5	6,865.7	16.3	13.8	-147.37	-93.3	-328.6	585.0	557.8	27.19	21.511		
7,000.0	6,969.2	6,977.1	6,965.2	16.6	14.0	-147.30	-94.6	-334.4	593.9	566.3	27.60	21.519		
7,100.0	7,068.8	7,076.7	7,064.6	16.8	14.2	-147.23	-96.0	-340.3	602.8	574.8	28.00	21.527		
7,156.2	7,124.7	7,132.7	7,120.4	17.0	14.4	-147.20	-96.7	-343.5	607.8	579.6	28.23	21.532		
7,200.0	7,168.4	8,113.8	7,740.0	17.0	18.6	-179.82	509.1	-380.0	572.6	556.4	16.23	35.276		
7,250.0	7,218.2	8,111.6	7,740.0	17.1	18.5	-158.90	506.9	-380.0	523.0	506.7	16.33	32.032		
7,300.0	7,267.7	8,105.0	7,740.0	17.1	18.5	-159.71	500.3	-380.0	474.0	457.5	16.43	28.846		
7,350.0	7,316.4	8,094.2	7,740.0	17.1	18.4	-161.40	489.5	-380.0	425.7	409.2	16.55	25.731		
7,400.0	7,363.9	8,076.9	7,740.0	17.0	18.2	-161.74	472.2	-380.0	378.7	362.1	16.68	22.712		
7,450.0	7,410.0	8,033.1	7,738.1	16.9	17.8	-157.23	428.5	-379.9	332.6	315.7	16.88	19.702		
7,500.0	7,454.3	7,995.3	7,733.7	16.8	17.4	-153.39	390.9	-379.7	287.0	269.7	17.29	16.599		
7,550.0	7,496.3	7,961.1	7,727.6	16.7	17.1	-149.41	357.2	-379.3	242.3	224.5	17.88	13.554		
7,600.0	7,535.9	7,929.0	7,720.1	16.5	16.9	-144.62	326.0	-378.9	198.9	180.2	18.67	10.653		
7,650.0	7,572.7	7,898.4	7,711.4	16.4	16.7	-138.25	296.7	-378.3	157.4	137.6	19.78	7.956		
7,700.0	7,606.4	7,868.9	7,701.5	16.3	16.5	-129.34	268.9	-377.8	119.0	97.5	21.49	5.537		
7,750.0	7,636.7	7,840.1	7,690.4	16.2	16.3	-116.66	242.3	-377.1	87.0	62.7	24.34	3.575		
7,800.0	7,663.5	7,811.9	7,678.3	16.1	16.1	-99.55	216.9	-376.4	68.9	41.2	27.73	2.487		
7,814.5	7,670.6	7,803.8	7,674.7	16.0	16.1	-93.93	209.7	-376.2	67.9	39.7	28.21	2.406 ES, SF		
7,850.0	7,686.5	7,784.1	7,665.2	16.0	16.0	-79.80	192.4	-375.6	73.9	46.1	27.77	2.661		
7,900.0	7,705.6	7,756.7	7,651.2	16.0	15.8	-61.67	168.9	-374.8	97.1	71.2	25.87	3.753		
7,950.0	7,720.6	7,729.6	7,636.1	16.0	15.7	-47.85	146.4	-373.9	127.9	103.0	24.82	5.151		
8,000.0	7,731.4	7,700.0	7,618.5	16.0	15.6	-37.60	122.6	-372.9	161.1	136.8	24.30	6.628		
8,050.0	7,737.8	7,676.0	7,603.4	16.1	15.5	-31.39	104.0	-372.0	194.5	169.9	24.65	7.891		
8,099.8	7,740.0	7,650.0	7,586.1	16.2	15.4	-26.66	84.6	-371.0	227.4	202.4	24.99	9.100		
8,200.0	7,740.0	7,600.0	7,550.5	16.6	15.2	-22.72	49.6	-368.9	296.5	270.8	25.71	11.532		
8,300.0	7,740.0	7,559.9	7,519.8	17.2	15.1	-20.23	23.9	-367.1	371.5	345.0	26.51	14.014		
8,400.0	7,740.0	7,525.3	7,491.9	17.9	15.0	-18.46	3.4	-365.4	451.1	423.9	27.18	16.595		
8,500.0	7,740.0	7,500.0	7,470.8	18.8	15.0	-17.34	-10.4	-364.2	534.2	506.3	27.87	19.167		
8,600.0	7,740.0	7,470.6	7,445.6	19.8	14.9	-16.20	-25.3	-362.7	619.9	591.6	28.29	21.916		
8,700.0	7,740.0	7,450.0	7,427.4	20.9	14.9	-15.48	-35.0	-361.6	707.8	679.1	28.73	24.634		
8,800.0	7,740.0	7,429.9	7,409.4	22.0	14.9	-14.85	-43.8	-360.6	797.4	768.3	29.10	27.401		
8,900.0	7,740.0	7,400.0	7,382.0	23.3	14.8	-14.00	-55.7	-358.9	888.6	859.4	29.27	30.358		
9,000.0	7,740.0	7,400.0	7,382.0	24.6	14.8	-14.00	-55.7	-358.9	980.5	950.7	29.77	32.940		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2A-7H-E168 - Hz - Plan #3													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		
9,100.0	7,740.0	7,400.0	7,382.0	25.9	14.8	-14.00	-55.7	-358.9	1,073.8	1,043.6	30.18	35.583		
9,200.0	7,740.0	7,374.2	7,357.9	27.3	14.8	-13.35	-64.8	-357.5	1,167.3	1,137.0	30.29	38.533		
9,300.0	7,740.0	7,350.0	7,334.9	28.8	14.7	-12.80	-72.4	-356.2	1,262.1	1,231.6	30.42	41.492		
9,400.0	7,740.0	7,350.0	7,334.9	30.3	14.7	-12.80	-72.4	-356.2	1,356.9	1,326.2	30.73	44.158		
9,500.0	7,740.0	7,350.0	7,334.9	31.8	14.7	-12.80	-72.4	-356.2	1,452.4	1,421.4	31.01	46.839		
9,600.0	7,740.0	7,350.0	7,334.9	33.3	14.7	-12.80	-72.4	-356.2	1,548.5	1,517.2	31.27	49.527		
9,700.0	7,740.0	7,331.3	7,316.9	34.8	14.7	-12.41	-77.6	-355.1	1,644.6	1,613.3	31.38	52.406		
9,800.0	7,740.0	7,324.8	7,310.7	36.4	14.7	-12.28	-79.2	-354.8	1,741.3	1,709.7	31.57	55.150		
9,900.0	7,740.0	7,300.0	7,286.6	38.0	14.7	-11.82	-84.9	-353.3	1,838.6	1,806.9	31.64	58.101		
10,000.0	7,740.0	7,300.0	7,286.6	39.6	14.7	-11.82	-84.9	-353.3	1,935.5	1,903.6	31.86	60.752		
10,100.0	7,740.0	7,300.0	7,286.6	41.2	14.7	-11.82	-84.9	-353.3	2,032.7	2,000.7	32.06	63.396		
10,200.0	7,740.0	7,300.0	7,286.6	42.8	14.7	-11.82	-84.9	-353.3	2,130.2	2,098.0	32.26	66.031		
10,300.0	7,740.0	7,300.0	7,286.6	44.5	14.7	-11.82	-84.9	-353.3	2,227.9	2,195.5	32.45	68.656		
10,400.0	7,740.0	7,300.0	7,286.6	46.1	14.7	-11.82	-84.9	-353.3	2,325.9	2,293.2	32.63	71.269		
10,500.0	7,740.0	7,300.0	7,286.6	47.8	14.7	-11.82	-84.9	-353.3	2,423.9	2,391.1	32.81	73.869		
10,600.0	7,740.0	7,300.0	7,286.6	49.4	14.7	-11.82	-84.9	-353.3	2,522.2	2,489.2	32.99	76.456		
10,700.0	7,740.0	7,300.0	7,286.6	51.1	14.7	-11.82	-84.9	-353.3	2,620.5	2,587.4	33.16	79.029		
10,800.0	7,740.0	7,300.0	7,286.6	52.7	14.7	-11.82	-84.9	-353.3	2,719.0	2,685.7	33.33	81.588		
10,900.0	7,740.0	7,278.4	7,265.4	54.4	14.6	-11.45	-88.9	-352.1	2,817.1	2,783.7	33.40	84.352		
11,000.0	7,740.0	7,275.6	7,262.6	56.1	14.6	-11.41	-89.4	-351.9	2,915.7	2,882.1	33.55	86.909		
11,100.0	7,740.0	7,272.9	7,260.0	57.8	14.6	-11.36	-89.8	-351.8	3,014.3	2,980.6	33.70	89.449		
11,200.0	7,740.0	7,250.0	7,237.4	59.5	14.6	-11.01	-93.1	-350.4	3,113.4	3,079.7	33.76	92.215		
11,300.0	7,740.0	7,250.0	7,237.4	61.2	14.6	-11.01	-93.1	-350.4	3,212.1	3,178.2	33.92	94.693		
11,400.0	7,740.0	7,250.0	7,237.4	62.9	14.6	-11.01	-93.1	-350.4	3,310.9	3,276.8	34.08	97.156		
11,500.0	7,740.0	7,250.0	7,237.4	64.6	14.6	-11.01	-93.1	-350.4	3,409.7	3,375.5	34.23	99.604		
11,600.0	7,740.0	7,250.0	7,237.4	66.3	14.6	-11.01	-93.1	-350.4	3,508.6	3,474.2	34.39	102.036		
11,700.0	7,740.0	7,250.0	7,237.4	68.0	14.6	-11.01	-93.1	-350.4	3,607.6	3,573.0	34.54	104.454		
11,800.0	7,740.0	7,250.0	7,237.4	69.7	14.6	-11.01	-93.1	-350.4	3,706.6	3,671.9	34.69	106.857		
11,900.0	7,740.0	7,250.0	7,237.4	71.4	14.6	-11.01	-93.1	-350.4	3,805.6	3,770.8	34.84	109.244		
12,000.0	7,740.0	7,250.0	7,237.4	73.1	14.6	-11.01	-93.1	-350.4	3,904.8	3,869.8	34.98	111.617		
12,100.0	7,740.0	7,250.0	7,237.4	74.8	14.6	-11.01	-93.1	-350.4	4,003.9	3,968.8	35.13	113.974		
12,200.0	7,740.0	7,250.0	7,237.4	76.5	14.6	-11.01	-93.1	-350.4	4,103.1	4,067.8	35.28	116.317		
12,300.0	7,740.0	7,250.0	7,237.4	78.2	14.6	-11.01	-93.1	-350.4	4,202.3	4,166.9	35.42	118.645		
12,400.0	7,740.0	7,250.0	7,237.4	79.9	14.6	-11.01	-93.1	-350.4	4,301.6	4,266.1	35.56	120.958		
12,500.0	7,740.0	7,250.0	7,237.4	81.7	14.6	-11.01	-93.1	-350.4	4,400.9	4,365.2	35.71	123.257		
12,600.0	7,740.0	7,250.0	7,237.4	83.4	14.6	-11.01	-93.1	-350.4	4,500.3	4,464.4	35.85	125.541		
12,700.0	7,740.0	7,250.0	7,237.4	85.1	14.6	-11.01	-93.1	-350.4	4,599.6	4,563.6	35.99	127.810		
12,800.0	7,740.0	7,250.0	7,237.4	86.8	14.6	-11.01	-93.1	-350.4	4,699.0	4,662.9	36.13	130.066		
12,900.0	7,740.0	7,250.0	7,237.4	88.6	14.6	-11.01	-93.1	-350.4	4,798.4	4,762.2	36.27	132.307		
13,000.0	7,740.0	7,250.0	7,237.4	90.3	14.6	-11.01	-93.1	-350.4	4,897.9	4,861.5	36.41	134.534		
13,100.0	7,740.0	7,250.0	7,237.4	92.0	14.6	-11.01	-93.1	-350.4	4,997.3	4,960.8	36.54	136.748		
13,200.0	7,740.0	7,250.0	7,237.4	93.7	14.6	-11.01	-93.1	-350.4	5,096.8	5,060.1	36.68	138.947		
13,300.0	7,740.0	7,250.0	7,237.4	95.5	14.6	-11.01	-93.1	-350.4	5,196.3	5,159.5	36.82	141.133		
13,400.0	7,740.0	7,250.0	7,237.4	97.2	14.6	-11.01	-93.1	-350.4	5,295.8	5,258.9	36.95	143.306		
13,500.0	7,740.0	7,250.0	7,237.4	98.9	14.6	-11.01	-93.1	-350.4	5,395.4	5,358.3	37.09	145.465		
13,600.0	7,740.0	7,250.0	7,237.4	100.7	14.6	-11.01	-93.1	-350.4	5,494.9	5,457.7	37.23	147.611		
13,700.0	7,740.0	7,250.0	7,237.4	102.4	14.6	-11.01	-93.1	-350.4	5,594.5	5,557.2	37.36	149.744		
13,800.0	7,740.0	7,250.0	7,237.4	104.1	14.6	-11.01	-93.1	-350.4	5,694.1	5,656.6	37.49	151.864		
13,900.0	7,740.0	7,250.0	7,237.4	105.9	14.6	-11.01	-93.1	-350.4	5,793.7	5,756.1	37.63	153.971		
14,000.0	7,740.0	7,250.0	7,237.4	107.6	14.6	-11.01	-93.1	-350.4	5,893.3	5,855.6	37.76	156.065		
14,100.0	7,740.0	7,250.0	7,237.4	109.3	14.6	-11.01	-93.1	-350.4	5,993.0	5,955.1	37.89	158.147		
14,200.0	7,740.0	7,250.0	7,237.4	111.1	14.6	-11.01	-93.1	-350.4	6,092.6	6,054.6	38.03	160.216		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2A-7H-E168 - Hz - Plan #3										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		
14,300.0	7,740.0	7,250.0	7,237.4	112.8	14.6	-11.01	-93.1	-350.4	6,192.2	6,154.1	38.16	162.273		
14,400.0	7,740.0	7,250.0	7,237.4	114.5	14.6	-11.01	-93.1	-350.4	6,291.9	6,253.6	38.29	164.318		
14,500.0	7,740.0	7,250.0	7,237.4	116.3	14.6	-11.01	-93.1	-350.4	6,391.6	6,353.2	38.42	166.351		
14,600.0	7,740.0	7,250.0	7,237.4	118.0	14.6	-11.01	-93.1	-350.4	6,491.3	6,452.7	38.55	168.372		
14,700.0	7,740.0	7,226.6	7,214.1	119.7	14.5	-10.68	-95.4	-349.1	6,590.4	6,551.8	38.61	170.689		
14,800.0	7,740.0	7,225.9	7,213.5	121.5	14.5	-10.67	-95.5	-349.0	6,690.1	6,651.4	38.74	172.696		
14,900.0	7,740.0	7,225.3	7,212.9	123.2	14.5	-10.66	-95.5	-349.0	6,789.8	6,750.9	38.87	174.692		
15,000.0	7,740.0	7,224.7	7,212.3	125.0	14.5	-10.65	-95.6	-349.0	6,889.5	6,850.5	39.00	176.675		
15,100.0	7,740.0	7,224.1	7,211.7	126.7	14.5	-10.65	-95.6	-348.9	6,989.2	6,950.1	39.12	178.647		
15,200.0	7,740.0	7,223.6	7,211.1	128.4	14.5	-10.64	-95.7	-348.9	7,088.9	7,049.6	39.25	180.608		
15,300.0	7,740.0	7,200.0	7,187.6	130.2	14.5	-10.33	-97.0	-347.5	7,189.1	7,149.8	39.31	182.896		
15,400.0	7,740.0	7,200.0	7,187.6	131.9	14.5	-10.33	-97.0	-347.5	7,288.8	7,249.4	39.44	184.828		
15,500.0	7,740.0	7,200.0	7,187.6	133.7	14.5	-10.33	-97.0	-347.5	7,388.5	7,348.9	39.56	186.748		
15,600.0	7,740.0	7,200.0	7,187.6	135.4	14.5	-10.33	-97.0	-347.5	7,488.2	7,448.5	39.69	188.658		
15,700.0	7,740.0	7,200.0	7,187.6	137.2	14.5	-10.33	-97.0	-347.5	7,587.9	7,548.1	39.82	190.557		
15,800.0	7,740.0	7,200.0	7,187.6	138.9	14.5	-10.33	-97.0	-347.5	7,687.7	7,647.7	39.95	192.446		
15,900.0	7,740.0	7,200.0	7,187.6	140.6	14.5	-10.33	-97.0	-347.5	7,787.4	7,747.3	40.07	194.324		
15,949.8	7,740.0	7,200.0	7,187.6	141.5	14.5	-10.33	-97.0	-347.5	7,837.1	7,796.9	40.14	195.254		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2B-7H-E168 - Hz - Plan #3													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	90.34	-0.4	59.9	59.9					
100.0	100.0	100.0	100.0	0.2	0.2	90.34	-0.4	59.9	59.9	59.6	0.30	197.227		
200.0	200.0	200.0	200.0	0.3	0.3	90.34	-0.4	59.9	59.9	59.2	0.65	91.758 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	129.94	-0.4	59.9	60.5	59.4	1.00	60.310		
400.0	400.0	400.6	400.6	0.7	0.7	132.44	-1.0	59.3	61.6	60.3	1.36	45.465		
500.0	499.9	501.1	501.0	0.9	0.9	137.29	-3.1	57.6	63.2	61.5	1.71	36.889		
600.0	599.7	601.3	601.1	1.1	1.0	144.14	-6.4	54.8	65.9	63.8	2.08	31.683		
700.0	699.4	700.0	699.8	1.3	1.2	151.03	-9.9	52.2	71.1	68.7	2.44	29.145		
760.9	760.0	760.3	760.0	1.4	1.3	154.44	-11.5	51.3	76.0	73.3	2.66	28.588		
800.0	798.9	798.9	798.6	1.5	1.4	156.26	-12.3	50.9	79.5	76.7	2.79	28.452		
900.0	898.4	897.8	897.5	1.7	1.6	159.57	-13.8	51.0	89.4	86.2	3.14	28.442		
1,000.0	998.0	997.2	996.9	2.0	1.7	161.92	-14.9	51.6	99.7	96.2	3.49	28.558		
1,100.0	1,097.5	1,096.6	1,096.3	2.2	1.9	163.82	-16.0	52.2	110.1	106.3	3.84	28.696		
1,200.0	1,197.0	1,196.0	1,195.6	2.5	2.1	165.40	-17.1	52.7	120.7	116.5	4.18	28.838		
1,300.0	1,296.5	1,295.3	1,295.0	2.7	2.3	166.72	-18.2	53.3	131.3	126.7	4.53	28.977		
1,400.0	1,396.0	1,394.7	1,394.4	2.9	2.4	167.84	-19.3	53.9	142.0	137.1	4.88	29.109		
1,500.0	1,495.6	1,494.1	1,493.8	3.2	2.6	168.81	-20.5	54.4	152.7	147.5	5.22	29.234		
1,600.0	1,595.1	1,593.5	1,593.2	3.4	2.8	169.65	-21.6	55.0	163.4	157.9	5.57	29.349		
1,700.0	1,694.6	1,692.9	1,692.6	3.7	3.0	170.39	-22.7	55.5	174.2	168.3	5.91	29.456		
1,800.0	1,794.1	1,792.3	1,792.0	3.9	3.1	171.04	-23.8	56.1	185.0	178.8	6.26	29.555		
1,900.0	1,893.7	1,891.7	1,891.3	4.1	3.3	171.61	-24.9	56.7	195.9	189.3	6.61	29.646		
2,000.0	1,993.2	1,991.1	1,990.7	4.4	3.5	172.13	-26.0	57.2	206.7	199.8	6.95	29.731		
2,100.0	2,092.7	2,090.5	2,090.1	4.6	3.7	172.60	-27.2	57.8	217.6	210.3	7.30	29.809		
2,200.0	2,192.2	2,189.9	2,189.5	4.9	3.8	173.02	-28.3	58.4	228.5	220.8	7.65	29.882		
2,300.0	2,291.7	2,289.3	2,288.9	5.1	4.0	173.40	-29.4	58.9	239.4	231.4	7.99	29.950		
2,400.0	2,391.3	2,388.7	2,388.3	5.4	4.2	173.75	-30.5	59.5	250.3	241.9	8.34	30.013		
2,500.0	2,490.8	2,488.1	2,487.7	5.6	4.4	174.07	-31.6	60.0	261.2	252.5	8.68	30.071		
2,600.0	2,590.3	2,587.5	2,587.0	5.8	4.5	174.37	-32.8	60.6	272.1	263.0	9.03	30.126		
2,700.0	2,689.8	2,686.9	2,686.4	6.1	4.7	174.64	-33.9	61.2	283.0	273.6	9.38	30.177		
2,800.0	2,789.3	2,786.2	2,785.8	6.3	4.9	174.89	-35.0	61.7	293.9	284.2	9.72	30.225		
2,900.0	2,888.9	2,885.6	2,885.2	6.6	5.1	175.13	-36.1	62.3	304.9	294.8	10.07	30.270		
3,000.0	2,988.4	2,985.0	2,984.6	6.8	5.2	175.34	-37.2	62.9	315.8	305.4	10.42	30.313		
3,100.0	3,087.9	3,084.4	3,084.0	7.1	5.4	175.55	-38.3	63.4	326.7	316.0	10.76	30.353		
3,200.0	3,187.4	3,183.8	3,183.3	7.3	5.6	175.74	-39.5	64.0	337.7	326.6	11.11	30.390		
3,300.0	3,286.9	3,283.2	3,282.7	7.5	5.8	175.91	-40.6	64.5	348.6	337.2	11.46	30.426		
3,400.0	3,386.5	3,382.6	3,382.1	7.8	5.9	176.08	-41.7	65.1	359.6	347.8	11.81	30.460		
3,500.0	3,486.0	3,482.0	3,481.5	8.0	6.1	176.24	-42.8	65.7	370.5	358.4	12.15	30.491		
3,600.0	3,585.5	3,581.4	3,580.9	8.3	6.3	176.39	-43.9	66.2	381.5	369.0	12.50	30.522		
3,700.0	3,685.0	3,680.8	3,680.3	8.5	6.5	176.53	-45.0	66.8	392.5	379.6	12.85	30.551		
3,800.0	3,784.6	3,780.2	3,779.7	8.8	6.6	176.66	-46.2	67.4	403.4	390.2	13.19	30.578		
3,900.0	3,884.1	3,879.6	3,879.0	9.0	6.8	176.79	-47.3	67.9	414.4	400.9	13.54	30.604		
4,000.0	3,983.6	3,979.0	3,978.4	9.3	7.0	176.90	-48.4	68.5	425.4	411.5	13.89	30.629		
4,100.0	4,083.1	4,078.4	4,077.8	9.5	7.2	177.02	-49.5	69.1	436.3	422.1	14.23	30.653		
4,200.0	4,182.6	4,177.7	4,177.2	9.7	7.3	177.12	-50.6	69.6	447.3	432.7	14.58	30.675		
4,300.0	4,282.2	4,277.1	4,276.6	10.0	7.5	177.23	-51.7	70.2	458.3	443.3	14.93	30.697		
4,400.0	4,381.7	4,376.5	4,376.0	10.2	7.7	177.32	-52.9	70.7	469.2	454.0	15.28	30.718		
4,500.0	4,481.2	4,475.9	4,475.4	10.5	7.8	177.42	-54.0	71.3	480.2	464.6	15.62	30.737		
4,600.0	4,580.7	4,575.3	4,574.7	10.7	8.0	177.51	-55.1	71.9	491.2	475.2	15.97	30.756		
4,700.0	4,680.2	4,674.7	4,674.1	11.0	8.2	177.59	-56.2	72.4	502.2	485.8	16.32	30.775		
4,800.0	4,779.8	4,774.1	4,773.5	11.2	8.4	177.67	-57.3	73.0	513.1	496.5	16.66	30.792		
4,900.0	4,879.3	4,873.5	4,872.9	11.4	8.5	177.75	-58.5	73.6	524.1	507.1	17.01	30.809		
5,000.0	4,978.8	4,972.9	4,972.3	11.7	8.7	177.83	-59.6	74.1	535.1	517.7	17.36	30.825		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2B-7H-E168 - Hz - Plan #3												Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,100.0	5,078.3	5,072.3	5,071.7	11.9	8.9	177.90	-60.7	74.7	546.1	528.4	17.71	30.841	
5,200.0	5,177.9	5,171.7	5,171.1	12.2	9.1	177.97	-61.8	75.2	557.1	539.0	18.05	30.856	
5,300.0	5,277.4	5,271.1	5,270.4	12.4	9.2	178.03	-62.9	75.8	568.0	549.6	18.40	30.870	
5,400.0	5,376.9	5,370.5	5,369.8	12.7	9.4	178.10	-64.0	76.4	579.0	560.3	18.75	30.884	
5,500.0	5,476.4	5,469.9	5,469.2	12.9	9.6	178.16	-65.2	76.9	590.0	570.9	19.10	30.898	
5,600.0	5,575.9	5,569.3	5,568.6	13.2	9.8	178.22	-66.3	77.5	601.0	581.6	19.44	30.911	
5,700.0	5,675.5	5,668.6	5,668.0	13.4	9.9	178.27	-67.4	78.1	612.0	592.2	19.79	30.923	
5,800.0	5,775.0	5,768.0	5,767.4	13.6	10.1	178.33	-68.5	78.6	623.0	602.8	20.14	30.935	
5,900.0	5,874.5	5,867.4	5,866.7	13.9	10.3	178.38	-69.6	79.2	633.9	613.5	20.48	30.947	
6,000.0	5,974.0	5,966.8	5,966.1	14.1	10.5	178.43	-70.7	79.7	644.9	624.1	20.83	30.959	
6,100.0	6,073.5	6,066.2	6,065.5	14.4	10.6	178.48	-71.9	80.3	655.9	634.7	21.18	30.970	
6,200.0	6,173.1	6,165.6	6,164.9	14.6	10.8	178.53	-73.0	80.9	666.9	645.4	21.53	30.980	
6,300.0	6,272.6	6,265.0	6,264.3	14.9	11.0	178.58	-74.1	81.4	677.9	656.0	21.87	30.991	
6,400.0	6,372.1	6,364.4	6,363.7	15.1	11.2	178.62	-75.2	82.0	688.9	666.7	22.22	31.001	
6,500.0	6,471.6	6,463.8	6,463.1	15.4	11.3	178.66	-76.3	82.6	699.9	677.3	22.57	31.010	
6,600.0	6,571.1	6,563.2	6,562.4	15.6	11.5	178.71	-77.5	83.1	710.9	687.9	22.92	31.020	
6,700.0	6,670.7	6,662.6	6,661.8	15.8	11.7	178.75	-78.6	83.7	721.9	698.6	23.26	31.029	
6,800.0	6,770.2	6,762.0	6,761.2	16.1	11.9	178.79	-79.7	84.3	732.8	709.2	23.61	31.038	
6,900.0	6,869.7	6,861.4	6,860.6	16.3	12.0	178.83	-80.8	84.8	743.8	719.9	23.96	31.046	
7,000.0	6,969.2	7,840.3	7,500.0	16.6	16.5	132.42	503.9	78.1	714.8	690.5	24.29	29.423	
7,100.0	7,068.8	7,848.0	7,500.0	16.8	16.6	131.56	511.6	78.0	648.9	622.7	26.19	24.780	
7,156.2	7,124.7	7,852.3	7,500.0	17.0	16.6	131.08	515.9	77.9	615.8	588.5	27.34	22.527	
7,200.0	7,168.4	7,854.0	7,500.0	17.0	16.6	129.39	517.6	77.9	592.4	564.2	28.22	20.994	
7,250.0	7,218.2	7,851.9	7,500.0	17.1	16.6	-128.62	515.5	77.9	568.7	539.6	29.14	19.517	
7,300.0	7,267.7	7,845.4	7,500.0	17.1	16.5	-114.41	509.0	78.0	548.8	518.8	29.92	18.340	
7,350.0	7,316.4	7,834.6	7,500.0	17.1	16.4	-108.76	498.2	78.2	533.0	502.5	30.51	17.469	
7,400.0	7,363.9	7,817.0	7,499.9	17.0	16.2	-104.88	480.6	78.5	521.6	490.8	30.82	16.923	
7,450.0	7,410.0	7,795.3	7,499.1	16.9	16.0	-101.40	458.9	78.9	514.5	483.6	30.88	16.663	
7,500.0	7,454.3	7,773.0	7,497.4	16.8	15.8	-98.12	436.7	79.3	511.7	481.0	30.74	16.647 SF	
7,509.5	7,462.4	7,768.7	7,497.0	16.8	15.7	-97.50	432.4	79.3	511.6	480.9	30.69	16.672	
7,550.0	7,496.3	7,750.3	7,494.8	16.7	15.5	-94.82	414.1	79.6	512.9	482.5	30.41	16.868	
7,600.0	7,535.9	7,727.2	7,491.2	16.5	15.3	-91.40	391.3	80.0	517.8	487.9	29.94	17.298	
7,650.0	7,572.7	7,703.8	7,486.6	16.4	15.1	-87.86	368.4	80.4	526.1	496.7	29.35	17.924	
7,700.0	7,606.4	7,680.3	7,481.1	16.3	14.9	-84.22	345.5	80.8	537.2	508.5	28.71	18.710	
7,750.0	7,636.7	7,656.6	7,474.6	16.2	14.6	-80.52	322.7	81.1	550.6	522.6	28.05	19.630	
7,800.0	7,663.5	7,632.7	7,467.1	16.1	14.5	-76.82	300.1	81.5	565.9	538.5	27.41	20.644	
7,850.0	7,686.5	7,608.8	7,458.6	16.0	14.3	-73.18	277.7	81.8	582.5	555.7	26.82	21.721	
7,900.0	7,705.6	7,584.7	7,449.2	16.0	14.1	-69.66	255.6	82.2	600.1	573.8	26.30	22.819	
7,950.0	7,720.6	7,560.6	7,438.8	16.0	13.9	-66.29	233.8	82.5	618.2	592.3	25.86	23.909	
8,000.0	7,731.4	7,536.4	7,427.5	16.0	13.8	-63.14	212.4	82.8	636.5	611.0	25.50	24.957	
8,050.0	7,737.8	7,512.2	7,415.2	16.1	13.6	-60.22	191.5	83.1	654.6	629.4	25.24	25.942	
8,099.8	7,740.0	7,488.0	7,402.1	16.2	13.5	-57.56	171.2	83.4	672.3	647.3	25.05	26.837	
8,200.0	7,740.0	7,450.0	7,379.9	16.6	13.3	-55.91	140.4	83.8	711.0	686.0	24.95	28.493	
8,300.0	7,740.0	7,400.0	7,347.6	17.2	13.1	-53.61	102.3	84.3	756.2	731.4	24.79	30.504	
8,400.0	7,740.0	7,365.3	7,323.2	17.9	12.9	-51.97	77.6	84.6	807.9	783.0	24.88	32.470	
8,500.0	7,740.0	7,333.5	7,299.6	18.8	12.8	-50.44	56.2	84.8	865.3	840.3	25.03	34.565	
8,600.0	7,740.0	7,300.0	7,273.6	19.8	12.8	-48.83	35.2	85.0	927.9	902.8	25.19	36.841	
8,700.0	7,740.0	7,280.3	7,257.7	20.9	12.7	-47.88	23.5	85.2	995.0	969.5	25.48	39.055	
8,800.0	7,740.0	7,250.0	7,232.5	22.0	12.6	-46.43	6.7	85.3	1,066.0	1,040.4	25.66	41.543	
8,900.0	7,740.0	7,250.0	7,232.5	23.3	12.6	-46.43	6.7	85.3	1,140.4	1,114.4	26.08	43.728	
9,000.0	7,740.0	7,220.3	7,207.0	24.6	12.6	-45.04	-8.4	85.4	1,217.5	1,191.2	26.25	46.384	
9,100.0	7,740.0	7,200.0	7,189.1	25.9	12.6	-44.09	-18.1	85.5	1,297.2	1,270.7	26.46	49.016	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2B-7H-E168 - Hz - Plan #3													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		
9,200.0	7,740.0	7,200.0	7,189.1	27.3	12.6	-44.09	-18.1	85.5	1,379.1	1,352.3	26.80	51.450		
9,300.0	7,740.0	7,176.7	7,168.1	28.8	12.5	-43.03	-28.3	85.6	1,462.6	1,435.6	26.98	54.220		
9,400.0	7,740.0	7,150.0	7,143.7	30.3	12.5	-41.84	-39.0	85.6	1,548.1	1,521.0	27.12	57.088		
9,500.0	7,740.0	7,150.0	7,143.7	31.8	12.5	-41.84	-39.0	85.6	1,634.5	1,607.1	27.40	59.643		
9,600.0	7,740.0	7,150.0	7,143.7	33.3	12.5	-41.84	-39.0	85.6	1,722.4	1,694.7	27.67	62.241		
9,700.0	7,740.0	7,150.0	7,143.7	34.8	12.5	-41.84	-39.0	85.6	1,811.6	1,783.6	27.93	64.870		
9,800.0	7,740.0	7,126.1	7,121.4	36.4	12.4	-40.80	-47.5	85.7	1,901.2	1,873.1	28.05	67.774		
9,900.0	7,740.0	7,100.0	7,096.7	38.0	12.4	-39.69	-55.8	85.7	1,992.2	1,964.0	28.16	70.739		
10,000.0	7,740.0	7,100.0	7,096.7	39.6	12.4	-39.69	-55.8	85.7	2,083.4	2,055.0	28.39	73.384		
10,100.0	7,740.0	7,100.0	7,096.7	41.2	12.4	-39.69	-55.8	85.7	2,175.4	2,146.8	28.61	76.038		
10,200.0	7,740.0	7,100.0	7,096.7	42.8	12.4	-39.69	-55.8	85.7	2,268.0	2,239.2	28.82	78.697		
10,300.0	7,740.0	7,100.0	7,096.7	44.5	12.4	-39.69	-55.8	85.7	2,361.3	2,332.2	29.02	81.358		
10,400.0	7,740.0	7,100.0	7,096.7	46.1	12.4	-39.69	-55.8	85.7	2,455.0	2,425.8	29.22	84.018		
10,500.0	7,740.0	7,100.0	7,096.7	47.8	12.4	-39.69	-55.8	85.7	2,549.3	2,519.9	29.41	86.674		
10,600.0	7,740.0	7,076.7	7,074.3	49.4	12.4	-38.73	-62.3	85.7	2,643.4	2,613.9	29.51	89.569		
10,700.0	7,740.0	7,072.2	7,069.9	51.1	12.4	-38.54	-63.4	85.7	2,738.2	2,708.5	29.68	92.255		
10,800.0	7,740.0	7,050.0	7,048.3	52.7	12.3	-37.66	-68.5	85.6	2,833.7	2,803.9	29.78	95.146		
10,900.0	7,740.0	7,050.0	7,048.3	54.4	12.3	-37.66	-68.5	85.6	2,929.0	2,899.0	29.96	97.755		
11,000.0	7,740.0	7,050.0	7,048.3	56.1	12.3	-37.66	-68.5	85.6	3,024.6	2,994.4	30.14	100.355		
11,100.0	7,740.0	7,050.0	7,048.3	57.8	12.3	-37.66	-68.5	85.6	3,120.4	3,090.1	30.31	102.944		
11,200.0	7,740.0	7,050.0	7,048.3	59.5	12.3	-37.66	-68.5	85.6	3,216.5	3,186.1	30.48	105.521		
11,300.0	7,740.0	7,050.0	7,048.3	61.2	12.3	-37.66	-68.5	85.6	3,312.9	3,282.2	30.65	108.086		
11,400.0	7,740.0	7,050.0	7,048.3	62.9	12.3	-37.66	-68.5	85.6	3,409.5	3,378.6	30.82	110.637		
11,500.0	7,740.0	7,050.0	7,048.3	64.6	12.3	-37.66	-68.5	85.6	3,506.2	3,475.2	30.98	113.176		
11,600.0	7,740.0	7,050.0	7,048.3	66.3	12.3	-37.66	-68.5	85.6	3,603.1	3,572.0	31.14	115.700		
11,700.0	7,740.0	7,050.0	7,048.3	68.0	12.3	-37.66	-68.5	85.6	3,700.2	3,668.9	31.30	118.210		
11,800.0	7,740.0	7,050.0	7,048.3	69.7	12.3	-37.66	-68.5	85.6	3,797.5	3,766.0	31.46	120.706		
11,900.0	7,740.0	7,050.0	7,048.3	71.4	12.3	-37.66	-68.5	85.6	3,894.9	3,863.2	31.62	123.187		
12,000.0	7,740.0	7,050.0	7,048.3	73.1	12.3	-37.66	-68.5	85.6	3,992.4	3,960.6	31.77	125.654		
12,100.0	7,740.0	7,050.0	7,048.3	74.8	12.3	-37.66	-68.5	85.6	4,090.0	4,058.1	31.93	128.105		
12,200.0	7,740.0	7,026.7	7,025.4	76.5	12.3	-36.76	-73.0	85.6	4,187.2	4,155.2	32.01	130.804		
12,300.0	7,740.0	7,024.6	7,023.4	78.2	12.3	-36.68	-73.3	85.6	4,285.0	4,252.8	32.16	133.248		
12,400.0	7,740.0	7,022.7	7,021.5	79.9	12.3	-36.61	-73.7	85.6	4,382.8	4,350.5	32.30	135.677		
12,500.0	7,740.0	7,000.0	6,999.0	81.7	12.3	-35.77	-77.0	85.5	4,481.2	4,448.8	32.39	138.358		
12,600.0	7,740.0	7,000.0	6,999.0	83.4	12.3	-35.77	-77.0	85.5	4,579.1	4,546.6	32.54	140.731		
12,700.0	7,740.0	7,000.0	6,999.0	85.1	12.3	-35.77	-77.0	85.5	4,677.2	4,644.5	32.69	143.089		
12,800.0	7,740.0	7,000.0	6,999.0	86.8	12.3	-35.77	-77.0	85.5	4,775.3	4,742.4	32.83	145.433		
12,900.0	7,740.0	7,000.0	6,999.0	88.6	12.3	-35.77	-77.0	85.5	4,873.5	4,840.5	32.98	147.762		
13,000.0	7,740.0	7,000.0	6,999.0	90.3	12.3	-35.77	-77.0	85.5	4,971.7	4,938.6	33.13	150.077		
13,100.0	7,740.0	7,000.0	6,999.0	92.0	12.3	-35.77	-77.0	85.5	5,070.1	5,036.8	33.27	152.377		
13,200.0	7,740.0	7,000.0	6,999.0	93.7	12.3	-35.77	-77.0	85.5	5,168.5	5,135.0	33.42	154.663		
13,300.0	7,740.0	7,000.0	6,999.0	95.5	12.3	-35.77	-77.0	85.5	5,266.9	5,233.4	33.56	156.934		
13,400.0	7,740.0	7,000.0	6,999.0	97.2	12.3	-35.77	-77.0	85.5	5,365.4	5,331.7	33.70	159.191		
13,500.0	7,740.0	7,000.0	6,999.0	98.9	12.3	-35.77	-77.0	85.5	5,464.0	5,430.2	33.85	161.434		
13,600.0	7,740.0	7,000.0	6,999.0	100.7	12.3	-35.77	-77.0	85.5	5,562.6	5,528.6	33.99	163.662		
13,700.0	7,740.0	7,000.0	6,999.0	102.4	12.3	-35.77	-77.0	85.5	5,661.3	5,627.2	34.13	165.877		
13,800.0	7,740.0	7,000.0	6,999.0	104.1	12.3	-35.77	-77.0	85.5	5,760.0	5,725.7	34.27	168.078		
13,900.0	7,740.0	7,000.0	6,999.0	105.9	12.3	-35.77	-77.0	85.5	5,858.8	5,824.3	34.41	170.264		
14,000.0	7,740.0	7,000.0	6,999.0	107.6	12.3	-35.77	-77.0	85.5	5,957.6	5,923.0	34.55	172.438		
14,100.0	7,740.0	7,000.0	6,999.0	109.3	12.3	-35.77	-77.0	85.5	6,056.4	6,021.7	34.69	174.598		
14,200.0	7,740.0	7,000.0	6,999.0	111.1	12.3	-35.77	-77.0	85.5	6,155.3	6,120.4	34.83	176.744		
14,300.0	7,740.0	7,000.0	6,999.0	112.8	12.3	-35.77	-77.0	85.5	6,254.2	6,219.2	34.96	178.877		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2B-7H-E168 - Hz - Plan #3													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		
14,400.0	7,740.0	7,000.0	6,999.0	114.5	12.3	-35.77	-77.0	85.5	6,353.1	6,318.0	35.10	180.997		
14,500.0	7,740.0	7,000.0	6,999.0	116.3	12.3	-35.77	-77.0	85.5	6,452.1	6,416.9	35.24	183.103		
14,600.0	7,740.0	7,000.0	6,999.0	118.0	12.3	-35.77	-77.0	85.5	6,551.1	6,515.7	35.37	185.197		
14,700.0	7,740.0	7,000.0	6,999.0	119.7	12.3	-35.77	-77.0	85.5	6,650.1	6,614.6	35.51	187.278		
14,800.0	7,740.0	7,000.0	6,999.0	121.5	12.3	-35.77	-77.0	85.5	6,749.2	6,713.6	35.64	189.347		
14,900.0	7,740.0	7,000.0	6,999.0	123.2	12.3	-35.77	-77.0	85.5	6,848.3	6,812.5	35.78	191.402		
15,000.0	7,740.0	7,000.0	6,999.0	125.0	12.3	-35.77	-77.0	85.5	6,947.4	6,911.5	35.91	193.445		
15,100.0	7,740.0	7,000.0	6,999.0	126.7	12.3	-35.77	-77.0	85.5	7,046.6	7,010.5	36.05	195.476		
15,200.0	7,740.0	7,000.0	6,999.0	128.4	12.3	-35.77	-77.0	85.5	7,145.7	7,109.6	36.18	197.495		
15,300.0	7,740.0	7,000.0	6,999.0	130.2	12.3	-35.77	-77.0	85.5	7,244.9	7,208.6	36.32	199.502		
15,400.0	7,740.0	7,000.0	6,999.0	131.9	12.3	-35.77	-77.0	85.5	7,344.1	7,307.7	36.45	201.496		
15,500.0	7,740.0	7,000.0	6,999.0	133.7	12.3	-35.77	-77.0	85.5	7,443.4	7,406.8	36.58	203.479		
15,600.0	7,740.0	7,000.0	6,999.0	135.4	12.3	-35.77	-77.0	85.5	7,542.6	7,505.9	36.71	205.450		
15,700.0	7,740.0	7,000.0	6,999.0	137.2	12.3	-35.77	-77.0	85.5	7,641.9	7,605.1	36.84	207.409		
15,800.0	7,740.0	7,000.0	6,999.0	138.9	12.3	-35.77	-77.0	85.5	7,741.2	7,704.2	36.98	209.357		
15,900.0	7,740.0	7,000.0	6,999.0	140.6	12.3	-35.77	-77.0	85.5	7,840.5	7,803.4	37.11	211.294		
15,949.8	7,740.0	7,000.0	6,999.0	141.5	12.3	-35.77	-77.0	85.5	7,889.9	7,852.8	37.17	212.253		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2C-7H-E168 - Hz - Plan #5													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	90.31	-0.4	67.5	67.5					
100.0	100.0	100.0	100.0	0.2	0.2	90.31	-0.4	67.5	67.5	67.1	0.30	222.110		
200.0	200.0	200.0	200.0	0.3	0.3	90.31	-0.4	67.5	67.5	66.8	0.65	103.335 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	129.83	-0.4	67.5	68.0	67.0	1.00	67.848		
400.0	400.0	400.0	400.0	0.7	0.7	131.47	-0.4	67.5	69.7	68.4	1.35	51.477		
500.0	499.9	499.9	499.9	0.9	0.8	134.03	-0.4	67.5	72.7	71.0	1.71	42.506		
600.0	599.7	599.7	599.7	1.1	1.0	137.26	-0.4	67.5	77.0	75.0	2.07	37.238		
700.0	699.4	697.9	697.9	1.3	1.2	140.79	-0.5	68.3	83.8	81.4	2.43	34.527		
760.9	760.0	757.6	757.6	1.4	1.3	142.91	-0.6	69.6	89.6	87.0	2.65	33.864		
800.0	798.9	795.8	795.8	1.5	1.4	144.19	-0.7	70.8	93.9	91.1	2.79	33.703		
900.0	898.4	893.3	893.1	1.7	1.5	146.87	-1.2	74.9	106.1	103.0	3.14	33.803		
1,000.0	998.0	991.8	991.5	2.0	1.7	148.88	-1.8	80.3	119.7	116.2	3.50	34.243		
1,100.0	1,097.5	1,090.8	1,090.4	2.2	1.9	150.49	-2.4	85.7	133.5	129.7	3.85	34.637		
1,200.0	1,197.0	1,189.8	1,189.2	2.5	2.1	151.79	-3.0	91.1	147.4	143.1	4.21	34.985		
1,300.0	1,296.5	1,288.8	1,288.0	2.7	2.3	152.87	-3.6	96.6	161.3	156.7	4.57	35.294		
1,400.0	1,396.0	1,387.8	1,386.9	2.9	2.5	153.77	-4.2	102.0	175.2	170.3	4.93	35.568		
1,500.0	1,495.6	1,486.7	1,485.7	3.2	2.7	154.55	-4.8	107.4	189.2	183.9	5.28	35.812		
1,600.0	1,595.1	1,585.7	1,584.6	3.4	2.9	155.21	-5.4	112.9	203.2	197.6	5.64	36.030		
1,700.0	1,694.6	1,684.7	1,683.4	3.7	3.1	155.79	-6.0	118.3	217.3	211.3	6.00	36.225		
1,800.0	1,794.1	1,783.7	1,782.2	3.9	3.3	156.30	-6.6	123.7	231.4	225.0	6.36	36.402		
1,900.0	1,893.7	1,882.7	1,881.1	4.1	3.5	156.75	-7.2	129.2	245.4	238.7	6.71	36.561		
2,000.0	1,993.2	1,981.7	1,979.9	4.4	3.6	157.16	-7.8	134.6	259.5	252.5	7.07	36.707		
2,100.0	2,092.7	2,080.7	2,078.7	4.6	3.8	157.52	-8.4	140.0	273.6	266.2	7.43	36.839		
2,200.0	2,192.2	2,179.6	2,177.6	4.9	4.0	157.84	-9.0	145.4	287.8	280.0	7.79	36.960		
2,300.0	2,291.7	2,278.6	2,276.4	5.1	4.2	158.14	-9.6	150.9	301.9	293.7	8.14	37.071		
2,400.0	2,391.3	2,377.6	2,375.2	5.4	4.4	158.41	-10.2	156.3	316.0	307.5	8.50	37.174		
2,500.0	2,490.8	2,476.6	2,474.1	5.6	4.6	158.65	-10.8	161.7	330.2	321.3	8.86	37.269		
2,600.0	2,590.3	2,575.6	2,572.9	5.8	4.8	158.88	-11.4	167.2	344.3	335.1	9.22	37.357		
2,700.0	2,689.8	2,674.6	2,671.7	6.1	5.0	159.09	-12.0	172.6	358.4	348.9	9.57	37.438		
2,800.0	2,789.3	2,773.6	2,770.6	6.3	5.2	159.28	-12.6	178.0	372.6	362.7	9.93	37.515		
2,900.0	2,888.9	2,872.6	2,869.4	6.6	5.4	159.46	-13.2	183.5	386.8	376.5	10.29	37.586		
3,000.0	2,988.4	2,971.5	2,968.2	6.8	5.6	159.62	-13.8	188.9	400.9	390.3	10.65	37.652		
3,100.0	3,087.9	3,070.5	3,067.1	7.1	5.8	159.78	-14.4	194.3	415.1	404.1	11.01	37.714		
3,200.0	3,187.4	3,169.5	3,165.9	7.3	6.0	159.92	-15.0	199.8	429.2	417.9	11.36	37.773		
3,300.0	3,286.9	3,268.5	3,264.7	7.5	6.2	160.05	-15.6	205.2	443.4	431.7	11.72	37.828		
3,400.0	3,386.5	3,367.5	3,363.6	7.8	6.4	160.18	-16.2	210.6	457.6	445.5	12.08	37.880		
3,500.0	3,486.0	3,466.5	3,462.4	8.0	6.6	160.30	-16.9	216.1	471.8	459.3	12.44	37.929		
3,600.0	3,585.5	3,565.5	3,561.3	8.3	6.8	160.41	-17.5	221.5	485.9	473.1	12.80	37.975		
3,700.0	3,685.0	3,664.4	3,660.1	8.5	7.0	160.52	-18.1	226.9	500.1	487.0	13.15	38.019		
3,800.0	3,784.6	3,763.4	3,758.9	8.8	7.2	160.62	-18.7	232.4	514.3	500.8	13.51	38.061		
3,900.0	3,884.1	3,862.4	3,857.8	9.0	7.4	160.71	-19.3	237.8	528.5	514.6	13.87	38.101		
4,000.0	3,983.6	3,961.4	3,956.6	9.3	7.6	160.80	-19.9	243.2	542.6	528.4	14.23	38.138		
4,100.0	4,083.1	4,060.4	4,055.4	9.5	7.8	160.89	-20.5	248.6	556.8	542.2	14.59	38.174		
4,200.0	4,182.6	4,159.4	4,154.3	9.7	8.0	160.97	-21.1	254.1	571.0	556.1	14.94	38.208		
4,300.0	4,282.2	4,258.4	4,253.1	10.0	8.2	161.04	-21.7	259.5	585.2	569.9	15.30	38.241		
4,400.0	4,381.7	4,357.3	4,351.9	10.2	8.4	161.12	-22.3	264.9	599.4	583.7	15.66	38.272		
4,500.0	4,481.2	4,456.3	4,450.8	10.5	8.6	161.19	-22.9	270.4	613.6	597.5	16.02	38.302		
4,600.0	4,580.7	4,555.3	4,549.6	10.7	8.8	161.25	-23.5	275.8	627.8	611.4	16.38	38.330		
4,700.0	4,680.2	4,654.3	4,648.4	11.0	9.0	161.32	-24.1	281.2	641.9	625.2	16.74	38.357		
4,800.0	4,779.8	4,753.3	4,747.3	11.2	9.1	161.38	-24.7	286.7	656.1	639.0	17.09	38.384		
4,900.0	4,879.3	4,852.3	4,846.1	11.4	9.3	161.44	-25.3	292.1	670.3	652.9	17.45	38.409		
5,000.0	4,978.8	4,951.3	4,944.9	11.7	9.5	161.49	-25.9	297.5	684.5	666.7	17.81	38.433		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2C-7H-E168 - Hz - Plan #5													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,100.0	5,078.3	5,050.2	5,043.8	11.9	9.7	161.54	-26.5	303.0	698.7	680.5	18.17		38.456	
5,200.0	5,177.9	5,149.2	5,142.6	12.2	9.9	161.60	-27.1	308.4	712.9	694.4	18.53		38.478	
5,300.0	5,277.4	5,248.2	5,241.4	12.4	10.1	161.65	-27.7	313.8	727.1	708.2	18.89		38.500	
5,400.0	5,376.9	5,347.2	5,340.3	12.7	10.3	161.69	-28.3	319.3	741.3	722.0	19.24		38.521	
5,500.0	5,476.4	5,446.2	5,439.1	12.9	10.5	161.74	-28.9	324.7	755.5	735.9	19.60		38.541	
5,600.0	5,575.9	5,545.2	5,538.0	13.2	10.7	161.78	-29.5	330.1	769.7	749.7	19.96		38.560	
5,700.0	5,675.5	5,644.2	5,636.8	13.4	10.9	161.83	-30.1	335.6	783.9	763.5	20.32		38.578	
5,800.0	5,775.0	5,743.1	5,735.6	13.6	11.1	161.87	-30.7	341.0	798.0	777.4	20.68		38.596	
5,900.0	5,874.5	5,842.1	5,834.5	13.9	11.3	161.91	-31.3	346.4	812.2	791.2	21.04		38.614	
6,000.0	5,974.0	5,941.1	5,933.3	14.1	11.5	161.94	-31.9	351.9	826.4	805.0	21.39		38.630	
6,100.0	6,073.5	6,040.1	6,032.1	14.4	11.7	161.98	-32.5	357.3	840.6	818.9	21.75		38.647	
6,200.0	6,173.1	6,139.1	6,131.0	14.6	11.9	162.02	-33.1	362.7	854.8	832.7	22.11		38.662	
6,300.0	6,272.6	6,238.1	6,229.8	14.9	12.1	162.05	-33.7	368.1	869.0	846.6	22.47		38.677	
6,400.0	6,372.1	6,337.1	6,328.6	15.1	12.3	162.09	-34.3	373.6	883.2	860.4	22.83		38.692	
6,500.0	6,471.6	6,436.0	6,427.5	15.4	12.5	162.12	-34.9	379.0	897.4	874.2	23.19		38.706	
6,600.0	6,571.1	6,535.0	6,526.3	15.6	12.7	162.15	-35.5	384.4	911.6	888.1	23.54		38.720	
6,700.0	6,670.7	6,634.0	6,625.1	15.8	12.9	162.18	-36.1	389.9	925.8	901.9	23.90		38.734	
6,800.0	6,770.2	6,733.0	6,724.0	16.1	13.1	162.21	-36.7	395.3	940.0	915.7	24.26		38.747	
6,900.0	6,869.7	6,832.0	6,822.8	16.3	13.3	162.24	-37.3	400.7	954.2	929.6	24.62		38.759	
7,000.0	6,969.2	6,931.0	6,921.6	16.6	13.5	162.27	-37.9	406.2	968.4	943.4	24.98		38.772	
7,100.0	7,068.8	7,030.0	7,020.5	16.8	13.7	162.29	-38.5	411.6	982.6	957.3	25.34		38.784	
7,156.2	7,124.7	7,085.6	7,076.0	17.0	13.8	162.31	-38.9	414.6	990.6	965.0	25.54		38.790	
7,200.0	7,168.4	7,129.0	7,119.4	17.0	13.9	-146.04	-39.1	417.0	995.9	970.2	25.68		38.776	
7,250.0	7,218.2	7,400.6	7,385.0	17.1	14.4	-95.33	3.6	430.9	999.1	972.8	26.34		37.938	
7,300.0	7,267.7	7,887.7	7,708.9	17.1	16.6	-104.19	347.5	442.6	980.0	952.0	28.04		34.951	
7,350.0	7,316.4	7,917.6	7,717.8	17.1	16.8	-102.14	376.1	442.6	960.1	931.4	28.65		33.505	
7,400.0	7,363.9	7,912.6	7,716.4	17.0	16.8	-100.56	371.2	442.6	942.2	913.2	28.97		32.521	
7,450.0	7,410.0	7,897.9	7,712.1	16.9	16.6	-99.33	357.2	442.6	926.6	897.5	29.14		31.799	
7,500.0	7,454.3	7,879.1	7,706.0	16.8	16.5	-98.23	339.4	442.6	913.5	884.3	29.21		31.276	
7,550.0	7,496.3	7,858.3	7,698.6	16.7	16.3	-97.11	320.0	442.5	902.8	873.6	29.18		30.943	
7,600.0	7,535.9	7,836.3	7,690.0	16.5	16.2	-95.91	299.8	442.4	894.6	865.6	29.07		30.773	
7,650.0	7,572.7	7,813.6	7,680.3	16.4	16.0	-94.59	279.2	442.2	888.9	860.0	28.90		30.756 SF	
7,700.0	7,606.4	7,790.3	7,669.6	16.3	15.9	-93.14	258.6	442.0	885.4	856.8	28.68		30.875	
7,750.0	7,636.7	7,766.7	7,657.8	16.2	15.7	-91.55	238.1	441.7	884.2	855.8	28.42		31.110	
7,753.5	7,638.7	7,765.1	7,657.0	16.2	15.7	-91.44	236.7	441.7	884.2	855.8	28.40		31.129	
7,800.0	7,663.5	7,742.9	7,645.1	16.1	15.6	-89.84	217.9	441.4	885.1	856.9	28.15		31.445	
7,850.0	7,686.5	7,718.9	7,631.5	16.0	15.4	-88.01	198.2	441.0	887.8	860.0	27.88		31.849	
7,900.0	7,705.6	7,694.7	7,616.9	16.0	15.3	-86.09	178.9	440.5	892.3	864.7	27.62		32.310	
7,950.0	7,720.6	7,670.4	7,601.5	16.0	15.2	-84.09	160.1	440.0	898.2	870.8	27.39		32.790	
8,000.0	7,731.4	7,650.0	7,587.9	16.0	15.1	-82.24	144.9	439.5	905.4	878.2	27.22		33.257	
8,050.0	7,737.8	7,621.6	7,568.2	16.1	15.0	-79.98	124.6	438.8	913.6	886.5	27.07		33.749	
8,099.8	7,740.0	7,600.0	7,552.5	16.2	14.9	-78.06	109.7	438.2	922.5	895.5	27.00		34.173	
8,200.0	7,740.0	7,550.0	7,514.1	16.6	14.8	-75.68	77.7	436.6	944.7	917.8	26.95		35.060	
8,300.0	7,740.0	7,515.5	7,486.0	17.2	14.7	-73.97	57.6	435.5	974.1	947.0	27.09		35.957	
8,400.0	7,740.0	7,484.3	7,459.8	17.9	14.6	-72.38	41.0	434.3	1,010.7	983.4	27.33		36.983	
8,500.0	7,740.0	7,450.0	7,429.8	18.8	14.5	-70.60	24.4	432.9	1,054.2	1,026.6	27.60		38.198	
8,600.0	7,740.0	7,435.6	7,416.9	19.8	14.5	-69.85	17.9	432.4	1,103.9	1,075.9	27.99		39.446	
8,700.0	7,740.0	7,416.3	7,399.4	20.9	14.4	-68.83	9.8	431.5	1,159.4	1,131.0	28.35		40.897	
8,800.0	7,740.0	7,400.0	7,384.4	22.0	14.4	-67.98	3.4	430.8	1,219.9	1,191.2	28.71		42.491	
8,900.0	7,740.0	7,400.0	7,384.4	23.3	14.4	-67.98	3.4	430.8	1,285.2	1,256.1	29.12		44.133	
9,000.0	7,740.0	7,371.9	7,358.2	24.6	14.3	-66.49	-6.6	429.6	1,353.9	1,324.5	29.41		46.043	
9,100.0	7,740.0	7,350.0	7,337.4	25.9	14.3	-65.34	-13.5	428.5	1,426.4	1,396.7	29.68		48.063	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2C-7H-E168 - Hz - Plan #5												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	
9,200.0	7,740.0	7,350.0	7,337.4	27.3	14.3	-65.34	-13.5	428.5	1,501.6	1,471.5	30.02	50.019	
9,300.0	7,740.0	7,350.0	7,337.4	28.8	14.3	-65.34	-13.5	428.5	1,579.5	1,549.1	30.34	52.066	
9,400.0	7,740.0	7,350.0	7,337.4	30.3	14.3	-65.34	-13.5	428.5	1,659.8	1,629.2	30.63	54.186	
9,500.0	7,740.0	7,325.2	7,313.7	31.8	14.2	-64.04	-20.4	427.4	1,741.5	1,710.7	30.82	56.513	
9,600.0	7,740.0	7,318.4	7,307.1	33.3	14.2	-63.68	-22.1	427.0	1,825.2	1,794.2	31.05	58.775	
9,700.0	7,740.0	7,300.0	7,289.2	34.8	14.2	-62.72	-26.3	426.1	1,910.6	1,879.3	31.24	61.157	
9,800.0	7,740.0	7,300.0	7,289.2	36.4	14.2	-62.72	-26.3	426.1	1,996.9	1,965.5	31.48	63.441	
9,900.0	7,740.0	7,300.0	7,289.2	38.0	14.2	-62.72	-26.3	426.1	2,084.6	2,052.9	31.70	65.755	
10,000.0	7,740.0	7,300.0	7,289.2	39.6	14.2	-62.72	-26.3	426.1	2,173.2	2,141.3	31.92	68.091	
10,100.0	7,740.0	7,300.0	7,289.2	41.2	14.2	-62.72	-26.3	426.1	2,262.9	2,230.7	32.12	70.445	
10,200.0	7,740.0	7,300.0	7,289.2	42.8	14.2	-62.72	-26.3	426.1	2,353.3	2,321.0	32.32	72.813	
10,300.0	7,740.0	7,300.0	7,289.2	44.5	14.2	-62.72	-26.3	426.1	2,444.5	2,412.0	32.51	75.190	
10,400.0	7,740.0	7,300.0	7,289.2	46.1	14.2	-62.72	-26.3	426.1	2,536.4	2,503.7	32.70	77.574	
10,500.0	7,740.0	7,276.8	7,266.4	47.8	14.2	-61.53	-30.8	425.0	2,628.3	2,595.5	32.80	80.129	
10,600.0	7,740.0	7,273.6	7,263.3	49.4	14.2	-61.36	-31.3	424.8	2,721.1	2,688.2	32.97	82.541	
10,700.0	7,740.0	7,270.6	7,260.4	51.1	14.1	-61.21	-31.8	424.6	2,814.4	2,781.3	33.13	84.951	
10,800.0	7,740.0	7,250.0	7,240.0	52.7	14.1	-60.16	-34.8	423.6	2,908.5	2,875.3	33.23	87.519	
10,900.0	7,740.0	7,250.0	7,240.0	54.4	14.1	-60.16	-34.8	423.6	3,002.5	2,969.1	33.40	89.899	
11,000.0	7,740.0	7,250.0	7,240.0	56.1	14.1	-60.16	-34.8	423.6	3,096.9	3,063.4	33.56	92.274	
11,100.0	7,740.0	7,250.0	7,240.0	57.8	14.1	-60.16	-34.8	423.6	3,191.7	3,158.0	33.72	94.645	
11,200.0	7,740.0	7,250.0	7,240.0	59.5	14.1	-60.16	-34.8	423.6	3,286.8	3,252.9	33.88	97.009	
11,300.0	7,740.0	7,250.0	7,240.0	61.2	14.1	-60.16	-34.8	423.6	3,382.1	3,348.1	34.04	99.366	
11,400.0	7,740.0	7,250.0	7,240.0	62.9	14.1	-60.16	-34.8	423.6	3,477.7	3,443.5	34.19	101.716	
11,500.0	7,740.0	7,250.0	7,240.0	64.6	14.1	-60.16	-34.8	423.6	3,573.6	3,539.2	34.34	104.057	
11,600.0	7,740.0	7,250.0	7,240.0	66.3	14.1	-60.16	-34.8	423.6	3,669.6	3,635.1	34.49	106.390	
11,700.0	7,740.0	7,250.0	7,240.0	68.0	14.1	-60.16	-34.8	423.6	3,765.9	3,731.3	34.64	108.713	
11,800.0	7,740.0	7,250.0	7,240.0	69.7	14.1	-60.16	-34.8	423.6	3,862.4	3,827.6	34.79	111.026	
11,900.0	7,740.0	7,250.0	7,240.0	71.4	14.1	-60.16	-34.8	423.6	3,959.0	3,924.1	34.93	113.329	
12,000.0	7,740.0	7,250.0	7,240.0	73.1	14.1	-60.16	-34.8	423.6	4,055.8	4,020.7	35.08	115.622	
12,100.0	7,740.0	7,250.0	7,240.0	74.8	14.1	-60.16	-34.8	423.6	4,152.8	4,117.6	35.22	117.904	
12,200.0	7,740.0	7,250.0	7,240.0	76.5	14.1	-60.16	-34.8	423.6	4,249.9	4,214.5	35.36	120.175	
12,300.0	7,740.0	7,250.0	7,240.0	78.2	14.1	-60.16	-34.8	423.6	4,347.1	4,311.6	35.51	122.435	
12,400.0	7,740.0	7,250.0	7,240.0	79.9	14.1	-60.16	-34.8	423.6	4,444.5	4,408.8	35.65	124.684	
12,500.0	7,740.0	7,250.0	7,240.0	81.7	14.1	-60.16	-34.8	423.6	4,541.9	4,506.1	35.79	126.921	
12,600.0	7,740.0	7,250.0	7,240.0	83.4	14.1	-60.16	-34.8	423.6	4,639.5	4,603.6	35.92	129.147	
12,700.0	7,740.0	7,250.0	7,240.0	85.1	14.1	-60.16	-34.8	423.6	4,737.2	4,701.1	36.06	131.362	
12,800.0	7,740.0	7,250.0	7,240.0	86.8	14.1	-60.16	-34.8	423.6	4,834.9	4,798.7	36.20	133.565	
12,900.0	7,740.0	7,250.0	7,240.0	88.6	14.1	-60.16	-34.8	423.6	4,932.8	4,896.5	36.34	135.757	
13,000.0	7,740.0	7,250.0	7,240.0	90.3	14.1	-60.16	-34.8	423.6	5,030.7	4,994.3	36.47	137.936	
13,100.0	7,740.0	7,250.0	7,240.0	92.0	14.1	-60.16	-34.8	423.6	5,128.8	5,092.2	36.61	140.105	
13,200.0	7,740.0	7,250.0	7,240.0	93.7	14.1	-60.16	-34.8	423.6	5,226.9	5,190.1	36.74	142.261	
13,300.0	7,740.0	7,250.0	7,240.0	95.5	14.1	-60.16	-34.8	423.6	5,325.0	5,288.2	36.88	144.406	
13,400.0	7,740.0	7,250.0	7,240.0	97.2	14.1	-60.16	-34.8	423.6	5,423.3	5,386.3	37.01	146.540	
13,500.0	7,740.0	7,227.2	7,217.3	98.9	14.1	-59.02	-37.2	422.4	5,521.1	5,484.0	37.08	148.914	
13,600.0	7,740.0	7,226.3	7,216.5	100.7	14.1	-58.98	-37.3	422.3	5,619.4	5,582.2	37.21	151.036	
13,700.0	7,740.0	7,225.5	7,215.7	102.4	14.1	-58.94	-37.4	422.3	5,717.8	5,680.4	37.34	153.145	
13,800.0	7,740.0	7,224.8	7,214.9	104.1	14.1	-58.90	-37.4	422.2	5,816.2	5,778.7	37.47	155.243	
13,900.0	7,740.0	7,224.0	7,214.2	105.9	14.1	-58.87	-37.5	422.2	5,914.7	5,877.1	37.59	157.329	
14,000.0	7,740.0	7,223.3	7,213.5	107.6	14.1	-58.83	-37.6	422.2	6,013.2	5,975.5	37.72	159.404	
14,100.0	7,740.0	7,200.0	7,190.3	109.3	14.0	-57.69	-39.0	420.9	6,112.3	6,074.5	37.79	161.759	
14,200.0	7,740.0	7,200.0	7,190.3	111.1	14.0	-57.69	-39.0	420.9	6,210.9	6,173.0	37.92	163.804	
14,300.0	7,740.0	7,200.0	7,190.3	112.8	14.0	-57.69	-39.0	420.9	6,309.5	6,271.5	38.05	165.837	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2C-7H-E168 - Hz - Plan #5													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		
14,400.0	7,740.0	7,200.0	7,190.3	114.5	14.0	-57.69	-39.0	420.9	6,408.2	6,370.0	38.18	167.860		
14,500.0	7,740.0	7,200.0	7,190.3	116.3	14.0	-57.69	-39.0	420.9	6,506.9	6,468.6	38.31	169.871		
14,600.0	7,740.0	7,200.0	7,190.3	118.0	14.0	-57.69	-39.0	420.9	6,605.7	6,567.3	38.43	171.872		
14,700.0	7,740.0	7,200.0	7,190.3	119.7	14.0	-57.69	-39.0	420.9	6,704.5	6,665.9	38.56	173.861		
14,800.0	7,740.0	7,200.0	7,190.3	121.5	14.0	-57.69	-39.0	420.9	6,803.3	6,764.6	38.69	175.840		
14,900.0	7,740.0	7,200.0	7,190.3	123.2	14.0	-57.69	-39.0	420.9	6,902.2	6,863.4	38.82	177.809		
15,000.0	7,740.0	7,200.0	7,190.3	125.0	14.0	-57.69	-39.0	420.9	7,001.1	6,962.2	38.95	179.766		
15,100.0	7,740.0	7,200.0	7,190.3	126.7	14.0	-57.69	-39.0	420.9	7,100.0	7,061.0	39.07	181.713		
15,200.0	7,740.0	7,200.0	7,190.3	128.4	14.0	-57.69	-39.0	420.9	7,199.0	7,159.8	39.20	183.650		
15,300.0	7,740.0	7,200.0	7,190.3	130.2	14.0	-57.69	-39.0	420.9	7,298.0	7,258.7	39.33	185.576		
15,400.0	7,740.0	7,200.0	7,190.3	131.9	14.0	-57.69	-39.0	420.9	7,397.0	7,357.5	39.45	187.492		
15,500.0	7,740.0	7,200.0	7,190.3	133.7	14.0	-57.69	-39.0	420.9	7,496.0	7,456.5	39.58	189.398		
15,600.0	7,740.0	7,200.0	7,190.3	135.4	14.0	-57.69	-39.0	420.9	7,595.1	7,555.4	39.70	191.294		
15,700.0	7,740.0	7,200.0	7,190.3	137.2	14.0	-57.69	-39.0	420.9	7,694.2	7,654.4	39.83	193.179		
15,800.0	7,740.0	7,200.0	7,190.3	138.9	14.0	-57.69	-39.0	420.9	7,793.3	7,753.4	39.95	195.055		
15,900.0	7,740.0	7,200.0	7,190.3	140.6	14.0	-57.69	-39.0	420.9	7,892.4	7,852.4	40.08	196.920		
15,949.8	7,740.0	7,200.0	7,190.3	141.5	14.0	-57.69	-39.0	420.9	7,941.8	7,901.7	40.14	197.845		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2D-7H-E168 - Hz - Plan #5													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	90.28	-0.4	75.0	75.0					
100.0	100.0	100.0	100.0	0.2	0.2	90.28	-0.4	75.0	75.0	74.7	0.30	246.993		
200.0	200.0	200.0	200.0	0.3	0.3	90.28	-0.4	75.0	75.0	74.4	0.65	114.911	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	129.74	-0.4	75.0	75.6	74.6	1.00	75.386		
400.0	400.0	400.0	400.0	0.7	0.7	131.22	-0.4	75.0	77.3	75.9	1.35	57.050		
500.0	499.9	499.9	499.9	0.9	0.8	133.55	-0.4	75.0	80.2	78.5	1.71	46.905		
600.0	599.7	598.2	598.2	1.1	1.0	136.45	-0.5	75.8	85.4	83.3	2.07	41.314		
700.0	699.4	696.2	696.2	1.3	1.2	139.61	-0.7	78.3	93.8	91.4	2.43	38.667		
760.9	760.0	755.6	755.5	1.4	1.3	141.50	-1.0	80.7	100.5	97.9	2.64	38.018		
800.0	798.9	793.7	793.6	1.5	1.4	142.66	-1.2	82.5	105.4	102.6	2.78	37.863		
900.0	898.4	890.7	890.4	1.7	1.6	145.07	-1.8	88.3	119.2	116.0	3.14	37.966		
1,000.0	998.0	987.4	986.8	2.0	1.8	146.84	-2.6	95.6	134.8	131.3	3.49	38.583		
1,100.0	1,097.5	1,084.4	1,083.4	2.2	2.0	148.11	-3.5	104.5	152.0	148.1	3.85	39.483		
1,200.0	1,197.0	1,182.8	1,181.3	2.5	2.2	149.12	-4.5	113.8	169.5	165.3	4.21	40.266		
1,300.0	1,296.5	1,281.2	1,279.3	2.7	2.4	149.93	-5.6	123.2	187.2	182.6	4.57	40.929		
1,400.0	1,396.0	1,379.6	1,377.2	2.9	2.6	150.61	-6.6	132.5	204.8	199.9	4.94	41.497		
1,500.0	1,495.6	1,478.0	1,475.2	3.2	2.8	151.17	-7.6	141.9	222.5	217.2	5.30	41.987		
1,600.0	1,595.1	1,576.4	1,573.1	3.4	3.1	151.66	-8.6	151.2	240.2	234.5	5.66	42.415		
1,700.0	1,694.6	1,674.8	1,671.1	3.7	3.3	152.08	-9.6	160.6	257.9	251.8	6.03	42.790		
1,800.0	1,794.1	1,773.2	1,769.0	3.9	3.5	152.44	-10.6	169.9	275.6	269.2	6.39	43.123		
1,900.0	1,893.7	1,871.6	1,867.0	4.1	3.8	152.76	-11.6	179.3	293.3	286.5	6.76	43.419		
2,000.0	1,993.2	1,970.0	1,964.9	4.4	4.0	153.04	-12.6	188.6	311.0	303.9	7.12	43.684		
2,100.0	2,092.7	2,068.4	2,062.9	4.6	4.2	153.30	-13.6	198.0	328.8	321.3	7.49	43.923		
2,200.0	2,192.2	2,166.8	2,160.9	4.9	4.5	153.52	-14.6	207.3	346.5	338.7	7.85	44.140		
2,300.0	2,291.7	2,265.2	2,258.8	5.1	4.7	153.73	-15.6	216.7	364.3	356.0	8.22	44.336		
2,400.0	2,391.3	2,363.6	2,356.8	5.4	4.9	153.92	-16.6	226.0	382.0	373.4	8.58	44.516		
2,500.0	2,490.8	2,462.0	2,454.7	5.6	5.2	154.08	-17.6	235.4	399.8	390.8	8.95	44.680		
2,600.0	2,590.3	2,560.4	2,552.7	5.8	5.4	154.24	-18.6	244.7	417.5	408.2	9.31	44.832		
2,700.0	2,689.8	2,658.8	2,650.6	6.1	5.6	154.38	-19.6	254.1	435.3	425.6	9.68	44.971		
2,800.0	2,789.3	2,757.2	2,748.6	6.3	5.9	154.51	-20.7	263.4	453.1	443.0	10.05	45.100		
2,900.0	2,888.9	2,855.6	2,846.5	6.6	6.1	154.63	-21.7	272.8	470.8	460.4	10.41	45.220		
3,000.0	2,988.4	2,954.0	2,944.5	6.8	6.3	154.75	-22.7	282.1	488.6	477.8	10.78	45.332		
3,100.0	3,087.9	3,052.4	3,042.4	7.1	6.6	154.85	-23.7	291.4	506.4	495.2	11.14	45.436		
3,200.0	3,187.4	3,150.9	3,140.4	7.3	6.8	154.95	-24.7	300.8	524.1	512.6	11.51	45.533		
3,300.0	3,286.9	3,249.3	3,238.4	7.5	7.1	155.04	-25.7	310.1	541.9	530.0	11.88	45.624		
3,400.0	3,386.5	3,347.7	3,336.3	7.8	7.3	155.13	-26.7	319.5	559.7	547.4	12.24	45.710		
3,500.0	3,486.0	3,446.1	3,434.3	8.0	7.5	155.21	-27.7	328.8	577.4	564.8	12.61	45.790		
3,600.0	3,585.5	3,544.5	3,532.2	8.3	7.8	155.28	-28.7	338.2	595.2	582.2	12.98	45.866		
3,700.0	3,685.0	3,642.9	3,630.2	8.5	8.0	155.35	-29.7	347.5	613.0	599.7	13.34	45.938		
3,800.0	3,784.6	3,741.3	3,728.1	8.8	8.2	155.42	-30.7	356.9	630.8	617.1	13.71	46.006		
3,900.0	3,884.1	3,839.7	3,826.1	9.0	8.5	155.48	-31.7	366.2	648.6	634.5	14.08	46.070		
4,000.0	3,983.6	3,938.1	3,924.0	9.3	8.7	155.54	-32.7	375.6	666.3	651.9	14.44	46.130		
4,100.0	4,083.1	4,036.5	4,022.0	9.5	8.9	155.60	-33.7	384.9	684.1	669.3	14.81	46.188		
4,200.0	4,182.6	4,134.9	4,119.9	9.7	9.2	155.65	-34.7	394.3	701.9	686.7	15.18	46.243		
4,300.0	4,282.2	4,233.3	4,217.9	10.0	9.4	155.70	-35.7	403.6	719.7	704.1	15.55	46.295		
4,400.0	4,381.7	4,331.7	4,315.8	10.2	9.7	155.75	-36.8	413.0	737.5	721.5	15.91	46.345		
4,500.0	4,481.2	4,430.1	4,413.8	10.5	9.9	155.80	-37.8	422.3	755.2	739.0	16.28	46.392		
4,600.0	4,580.7	4,528.5	4,511.8	10.7	10.1	155.84	-38.8	431.7	773.0	756.4	16.65	46.437		
4,700.0	4,680.2	4,626.9	4,609.7	11.0	10.4	155.89	-39.8	441.0	790.8	773.8	17.01	46.481		
4,800.0	4,779.8	4,725.3	4,707.7	11.2	10.6	155.93	-40.8	450.4	808.6	791.2	17.38	46.522		
4,900.0	4,879.3	4,823.7	4,805.6	11.4	10.8	155.97	-41.8	459.7	826.4	808.6	17.75	46.562		
5,000.0	4,978.8	4,922.1	4,903.6	11.7	11.1	156.00	-42.8	469.0	844.2	826.0	18.11	46.600		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2D-7H-E168 - Hz - Plan #5											Offset Site Error: 0.0 ft		
Survey Program: 0-Geolink MWD											Offset Well Error: 0.0 ft		
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,100.0	5,078.3	5,020.5	5,001.5	11.9	11.3	156.04	-43.8	478.4	861.9	843.5	18.48	46.636	
5,200.0	5,177.9	5,118.9	5,099.5	12.2	11.6	156.07	-44.8	487.7	879.7	860.9	18.85	46.671	
5,300.0	5,277.4	5,217.3	5,197.4	12.4	11.8	156.10	-45.8	497.1	897.5	878.3	19.22	46.705	
5,400.0	5,376.9	5,315.8	5,295.4	12.7	12.0	156.14	-46.8	506.4	915.3	895.7	19.58	46.737	
5,500.0	5,476.4	5,414.2	5,393.3	12.9	12.3	156.17	-47.8	515.8	933.1	913.1	19.95	46.768	
5,600.0	5,575.9	5,512.6	5,491.3	13.2	12.5	156.20	-48.8	525.1	950.9	930.5	20.32	46.799	
5,700.0	5,675.5	5,611.0	5,589.3	13.4	12.7	156.22	-49.8	534.5	968.6	948.0	20.69	46.827	
5,800.0	5,775.0	5,709.4	5,687.2	13.6	13.0	156.25	-50.8	543.8	986.4	965.4	21.05	46.855	
5,900.0	5,874.5	5,807.8	5,785.2	13.9	13.2	156.28	-51.9	553.2	1,004.2	982.8	21.42	46.882	
6,000.0	5,974.0	5,906.2	5,883.1	14.1	13.5	156.30	-52.9	562.5	1,022.0	1,000.2	21.79	46.908	
6,100.0	6,073.5	6,004.6	5,981.1	14.4	13.7	156.33	-53.9	571.9	1,039.8	1,017.6	22.15	46.933	
6,200.0	6,173.1	6,103.0	6,079.0	14.6	13.9	156.35	-54.9	581.2	1,057.6	1,035.1	22.52	46.958	
6,300.0	6,272.6	6,201.4	6,177.0	14.9	14.2	156.37	-55.9	590.6	1,075.4	1,052.5	22.89	46.981	
6,400.0	6,372.1	6,299.8	6,274.9	15.1	14.4	156.39	-56.9	599.9	1,093.2	1,069.9	23.26	47.004	
6,500.0	6,471.6	6,398.2	6,372.9	15.4	14.6	156.42	-57.9	609.3	1,110.9	1,087.3	23.62	47.026	
6,600.0	6,571.1	6,496.6	6,470.8	15.6	14.9	156.44	-58.9	618.6	1,128.7	1,104.7	23.99	47.047	
6,700.0	6,670.7	6,595.0	6,568.8	15.8	15.1	156.46	-59.9	628.0	1,146.5	1,122.2	24.36	47.068	
6,800.0	6,770.2	6,693.4	6,666.8	16.1	15.4	156.48	-60.9	637.3	1,164.3	1,139.6	24.73	47.088	
6,900.0	6,869.7	6,791.8	6,764.7	16.3	15.6	156.50	-61.9	646.6	1,182.1	1,157.0	25.09	47.108	
7,000.0	6,969.2	6,890.2	6,862.7	16.6	15.8	156.51	-62.9	656.0	1,199.9	1,174.4	25.46	47.127	
7,100.0	7,068.8	7,000.4	7,443.5	16.8	18.1	142.16	260.2	714.9	1,207.3	1,179.0	28.25	42.729	
7,156.2	7,124.7	7,775.3	7,494.1	17.0	19.4	134.20	426.9	721.5	1,193.2	1,163.3	29.91	39.895	
7,200.0	7,168.4	7,808.3	7,497.9	17.0	19.7	-177.18	459.7	722.2	1,183.0	1,152.5	30.49	38.795	
7,250.0	7,218.2	7,814.6	7,498.4	17.1	19.7	-124.08	465.9	722.3	1,173.0	1,142.1	30.83	38.043	
7,300.0	7,267.7	7,807.5	7,497.8	17.1	19.6	-108.88	458.8	722.1	1,164.9	1,134.0	30.97	37.614	
7,350.0	7,316.4	7,794.1	7,496.5	17.1	19.5	-102.69	445.5	721.9	1,158.9	1,127.9	30.97	37.425 SF	
7,400.0	7,363.9	7,777.2	7,494.4	17.0	19.4	-99.10	428.7	721.5	1,154.8	1,124.0	30.85	37.436	
7,450.0	7,410.0	7,758.1	7,491.4	16.9	19.2	-96.48	409.9	721.0	1,152.6	1,122.0	30.63	37.633	
7,485.3	7,441.5	7,743.8	7,488.8	16.8	19.1	-94.90	395.8	720.6	1,152.2	1,121.8	30.42	37.872	
7,500.0	7,454.3	7,737.7	7,487.6	16.8	19.1	-94.27	389.9	720.4	1,152.3	1,122.0	30.33	37.987	
7,550.0	7,496.3	7,716.3	7,482.8	16.7	18.9	-92.25	369.1	719.8	1,153.6	1,123.6	29.97	38.487	
7,600.0	7,535.9	7,694.3	7,477.0	16.5	18.7	-90.30	347.8	719.0	1,156.4	1,126.9	29.56	39.115	
7,650.0	7,572.7	7,671.7	7,470.3	16.4	18.6	-88.37	326.3	718.1	1,160.6	1,131.5	29.13	39.841	
7,700.0	7,606.4	7,650.0	7,463.0	16.3	18.4	-86.50	305.8	717.2	1,166.0	1,137.3	28.69	40.646	
7,750.0	7,636.7	7,625.6	7,453.9	16.2	18.2	-84.53	283.2	716.1	1,172.4	1,144.2	28.24	41.514	
7,800.0	7,663.5	7,600.0	7,443.4	16.1	18.1	-82.53	259.9	714.9	1,179.7	1,151.9	27.80	42.434	
7,850.0	7,686.5	7,578.6	7,433.7	16.0	17.9	-80.73	240.8	713.7	1,187.6	1,160.1	27.44	43.286	
7,900.0	7,705.6	7,550.0	7,419.8	16.0	17.8	-78.69	215.9	712.1	1,195.9	1,168.9	27.06	44.191	
7,950.0	7,720.6	7,531.0	7,409.9	16.0	17.7	-77.07	199.8	711.0	1,204.6	1,177.7	26.82	44.916	
8,000.0	7,731.4	7,500.0	7,392.5	16.0	17.5	-75.09	174.1	709.1	1,213.4	1,186.8	26.56	45.684	
8,050.0	7,737.8	7,483.1	7,382.5	16.1	17.4	-73.67	160.6	708.0	1,222.0	1,195.6	26.46	46.189	
8,099.8	7,740.0	7,450.0	7,361.7	16.2	17.3	-71.85	134.9	705.7	1,230.6	1,204.2	26.33	46.730	
8,200.0	7,740.0	7,414.1	7,337.6	16.6	17.2	-70.74	108.5	703.2	1,249.8	1,223.4	26.41	47.315	
8,300.0	7,740.0	7,375.2	7,309.6	17.2	17.0	-69.46	81.7	700.2	1,274.3	1,247.6	26.65	47.823	
8,400.0	7,740.0	7,350.0	7,290.5	17.9	16.9	-68.59	65.3	698.2	1,304.1	1,277.1	27.05	48.210	
8,500.0	7,740.0	7,300.0	7,250.6	18.8	16.8	-66.81	35.4	694.1	1,339.4	1,311.9	27.47	48.765	
8,600.0	7,740.0	7,300.0	7,250.6	19.8	16.8	-66.81	35.4	694.1	1,379.8	1,351.7	28.11	49.090	
8,700.0	7,740.0	7,250.0	7,208.3	20.9	16.7	-64.96	9.2	689.8	1,425.2	1,396.5	28.61	49.816	
8,800.0	7,740.0	7,250.0	7,208.3	22.0	16.7	-64.96	9.2	689.8	1,475.0	1,445.8	29.28	50.381	
8,900.0	7,740.0	7,226.2	7,187.5	23.3	16.6	-64.06	-2.0	687.7	1,529.3	1,499.4	29.90	51.154	
9,000.0	7,740.0	7,200.0	7,163.9	24.6	16.5	-63.06	-13.3	685.3	1,587.7	1,557.3	30.40	52.232	
9,100.0	7,740.0	7,200.0	7,163.9	25.9	16.5	-63.06	-13.3	685.3	1,649.6	1,618.6	31.00	53.218	

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



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2D-7H-E168 - Hz - Plan #5										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	
9,200.0	7,740.0	7,200.0	7,163.9	27.3	16.5	-63.06	-13.3	685.3	1,715.0	1,683.4	31.56	54.345	
9,300.0	7,740.0	7,172.3	7,138.5	28.8	16.5	-61.99	-24.0	682.8	1,782.9	1,750.9	31.98	55.753	
9,400.0	7,740.0	7,150.0	7,117.7	30.3	16.4	-61.13	-31.7	680.7	1,853.9	1,821.5	32.41	57.201	
9,500.0	7,740.0	7,150.0	7,117.7	31.8	16.4	-61.13	-31.7	680.7	1,927.0	1,894.2	32.87	58.625	
9,600.0	7,740.0	7,150.0	7,117.7	33.3	16.4	-61.13	-31.7	680.7	2,002.5	1,969.2	33.30	60.140	
9,700.0	7,740.0	7,150.0	7,117.7	34.8	16.4	-61.13	-31.7	680.7	2,080.0	2,046.3	33.69	61.732	
9,800.0	7,740.0	7,128.5	7,097.3	36.4	16.4	-60.30	-38.4	678.7	2,158.9	2,124.9	33.99	63.523	
9,900.0	7,740.0	7,121.7	7,090.9	38.0	16.4	-60.04	-40.4	678.0	2,239.6	2,205.3	34.31	65.276	
10,000.0	7,740.0	7,100.0	7,070.0	39.6	16.3	-59.21	-46.1	676.0	2,322.0	2,287.4	34.56	67.185	
10,100.0	7,740.0	7,100.0	7,070.0	41.2	16.3	-59.21	-46.1	676.0	2,405.2	2,370.4	34.87	68.981	
10,200.0	7,740.0	7,100.0	7,070.0	42.8	16.3	-59.21	-46.1	676.0	2,489.7	2,454.6	35.16	70.817	
10,300.0	7,740.0	7,100.0	7,070.0	44.5	16.3	-59.21	-46.1	676.0	2,575.3	2,539.9	35.43	72.687	
10,400.0	7,740.0	7,100.0	7,070.0	46.1	16.3	-59.21	-46.1	676.0	2,661.9	2,626.3	35.69	74.587	
10,500.0	7,740.0	7,100.0	7,070.0	47.8	16.3	-59.21	-46.1	676.0	2,749.5	2,713.5	35.93	76.512	
10,600.0	7,740.0	7,100.0	7,070.0	49.4	16.3	-59.21	-46.1	676.0	2,837.8	2,801.6	36.17	78.459	
10,700.0	7,740.0	7,100.0	7,070.0	51.1	16.3	-59.21	-46.1	676.0	2,926.9	2,890.5	36.39	80.423	
10,800.0	7,740.0	7,078.4	7,049.1	52.7	16.3	-58.38	-51.0	673.9	3,016.2	2,979.7	36.53	82.569	
10,900.0	7,740.0	7,075.0	7,045.8	54.4	16.3	-58.25	-51.7	673.6	3,106.5	3,069.7	36.73	84.587	
11,000.0	7,740.0	7,071.7	7,042.6	56.1	16.3	-58.12	-52.4	673.3	3,197.3	3,160.4	36.91	86.615	
11,100.0	7,740.0	7,050.0	7,021.3	57.8	16.2	-57.30	-56.2	671.2	3,288.9	3,251.9	37.03	88.823	
11,200.0	7,740.0	7,050.0	7,021.3	59.5	16.2	-57.30	-56.2	671.2	3,380.6	3,343.4	37.22	90.836	
11,300.0	7,740.0	7,050.0	7,021.3	61.2	16.2	-57.30	-56.2	671.2	3,472.8	3,435.4	37.40	92.856	
11,400.0	7,740.0	7,050.0	7,021.3	62.9	16.2	-57.30	-56.2	671.2	3,565.4	3,527.8	37.58	94.879	
11,500.0	7,740.0	7,050.0	7,021.3	64.6	16.2	-57.30	-56.2	671.2	3,658.3	3,620.6	37.75	96.905	
11,600.0	7,740.0	7,050.0	7,021.3	66.3	16.2	-57.30	-56.2	671.2	3,751.7	3,713.7	37.92	98.933	
11,700.0	7,740.0	7,050.0	7,021.3	68.0	16.2	-57.30	-56.2	671.2	3,845.3	3,807.2	38.09	100.962	
11,800.0	7,740.0	7,050.0	7,021.3	69.7	16.2	-57.30	-56.2	671.2	3,939.3	3,901.1	38.25	102.990	
11,900.0	7,740.0	7,050.0	7,021.3	71.4	16.2	-57.30	-56.2	671.2	4,033.6	3,995.2	38.41	105.017	
12,000.0	7,740.0	7,050.0	7,021.3	73.1	16.2	-57.30	-56.2	671.2	4,128.1	4,089.5	38.57	107.042	
12,100.0	7,740.0	7,050.0	7,021.3	74.8	16.2	-57.30	-56.2	671.2	4,222.9	4,184.2	38.72	109.065	
12,200.0	7,740.0	7,050.0	7,021.3	76.5	16.2	-57.30	-56.2	671.2	4,317.9	4,279.1	38.87	111.085	
12,300.0	7,740.0	7,050.0	7,021.3	78.2	16.2	-57.30	-56.2	671.2	4,413.2	4,374.1	39.02	113.100	
12,400.0	7,740.0	7,050.0	7,021.3	79.9	16.2	-57.30	-56.2	671.2	4,508.6	4,469.4	39.17	115.112	
12,500.0	7,740.0	7,050.0	7,021.3	81.7	16.2	-57.30	-56.2	671.2	4,604.3	4,564.9	39.31	117.119	
12,600.0	7,740.0	7,050.0	7,021.3	83.4	16.2	-57.30	-56.2	671.2	4,700.1	4,660.6	39.46	119.122	
12,700.0	7,740.0	7,050.0	7,021.3	85.1	16.2	-57.30	-56.2	671.2	4,796.1	4,756.5	39.60	121.119	
12,800.0	7,740.0	7,050.0	7,021.3	86.8	16.2	-57.30	-56.2	671.2	4,892.2	4,852.5	39.74	123.110	
12,900.0	7,740.0	7,050.0	7,021.3	88.6	16.2	-57.30	-56.2	671.2	4,988.5	4,948.7	39.88	125.095	
13,000.0	7,740.0	7,050.0	7,021.3	90.3	16.2	-57.30	-56.2	671.2	5,085.0	5,045.0	40.02	127.074	
13,100.0	7,740.0	7,050.0	7,021.3	92.0	16.2	-57.30	-56.2	671.2	5,181.6	5,141.4	40.15	129.047	
13,200.0	7,740.0	7,050.0	7,021.3	93.7	16.2	-57.30	-56.2	671.2	5,278.3	5,238.0	40.29	131.013	
13,300.0	7,740.0	7,027.1	6,998.8	95.5	16.2	-56.44	-59.4	669.0	5,374.6	5,334.3	40.34	133.235	
13,400.0	7,740.0	7,026.0	6,997.6	97.2	16.2	-56.39	-59.6	668.9	5,471.5	5,431.0	40.47	135.203	
13,500.0	7,740.0	7,024.8	6,996.5	98.9	16.1	-56.35	-59.7	668.8	5,568.5	5,527.9	40.60	137.163	
13,600.0	7,740.0	7,023.7	6,995.4	100.7	16.1	-56.31	-59.8	668.7	5,665.6	5,624.9	40.73	139.116	
13,700.0	7,740.0	7,000.0	6,971.9	102.4	16.1	-55.43	-62.1	666.4	5,763.3	5,722.5	40.77	141.361	
13,800.0	7,740.0	7,000.0	6,971.9	104.1	16.1	-55.43	-62.1	666.4	5,860.6	5,819.6	40.90	143.287	
13,900.0	7,740.0	7,000.0	6,971.9	105.9	16.1	-55.43	-62.1	666.4	5,957.9	5,916.9	41.03	145.206	
14,000.0	7,740.0	7,000.0	6,971.9	107.6	16.1	-55.43	-62.1	666.4	6,055.3	6,014.2	41.16	147.117	
14,100.0	7,740.0	7,000.0	6,971.9	109.3	16.1	-55.43	-62.1	666.4	6,152.8	6,111.5	41.29	149.021	
14,200.0	7,740.0	7,000.0	6,971.9	111.1	16.1	-55.43	-62.1	666.4	6,250.4	6,209.0	41.42	150.917	
14,300.0	7,740.0	7,000.0	6,971.9	112.8	16.1	-55.43	-62.1	666.4	6,348.1	6,306.5	41.54	152.805	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2D-7H-E168 - Hz - Plan #5													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
14,400.0	7,740.0	7,000.0	6,971.9	114.5	16.1	-55.43	-62.1	666.4	6,445.8	6,404.1	41.67	154.686		
14,500.0	7,740.0	7,000.0	6,971.9	116.3	16.1	-55.43	-62.1	666.4	6,543.6	6,501.8	41.80	156.559		
14,600.0	7,740.0	7,000.0	6,971.9	118.0	16.1	-55.43	-62.1	666.4	6,641.5	6,599.6	41.92	158.424		
14,700.0	7,740.0	7,000.0	6,971.9	119.7	16.1	-55.43	-62.1	666.4	6,739.4	6,697.4	42.05	160.281		
14,800.0	7,740.0	7,000.0	6,971.9	121.5	16.1	-55.43	-62.1	666.4	6,837.4	6,795.2	42.17	162.130		
14,900.0	7,740.0	7,000.0	6,971.9	123.2	16.1	-55.43	-62.1	666.4	6,935.5	6,893.2	42.30	163.972		
15,000.0	7,740.0	7,000.0	6,971.9	125.0	16.1	-55.43	-62.1	666.4	7,033.6	6,991.1	42.42	165.806		
15,100.0	7,740.0	7,000.0	6,971.9	126.7	16.1	-55.43	-62.1	666.4	7,131.7	7,089.2	42.54	167.632		
15,200.0	7,740.0	7,000.0	6,971.9	128.4	16.1	-55.43	-62.1	666.4	7,229.9	7,187.3	42.67	169.450		
15,300.0	7,740.0	7,000.0	6,971.9	130.2	16.1	-55.43	-62.1	666.4	7,328.2	7,285.4	42.79	171.261		
15,400.0	7,740.0	7,000.0	6,971.9	131.9	16.1	-55.43	-62.1	666.4	7,426.5	7,383.6	42.91	173.063		
15,500.0	7,740.0	7,000.0	6,971.9	133.7	16.1	-55.43	-62.1	666.4	7,524.8	7,481.8	43.03	174.858		
15,600.0	7,740.0	7,000.0	6,971.9	135.4	16.1	-55.43	-62.1	666.4	7,623.2	7,580.1	43.16	176.645		
15,700.0	7,740.0	7,000.0	6,971.9	137.2	16.1	-55.43	-62.1	666.4	7,721.7	7,678.4	43.28	178.424		
15,800.0	7,740.0	7,000.0	6,971.9	138.9	16.1	-55.43	-62.1	666.4	7,820.1	7,776.7	43.40	180.196		
15,900.0	7,740.0	7,000.0	6,971.9	140.6	16.1	-55.43	-62.1	666.4	7,918.6	7,875.1	43.52	181.960		
15,949.8	7,740.0	7,000.0	6,971.9	141.5	16.1	-55.43	-62.1	666.4	7,967.7	7,924.1	43.58	182.835		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2E-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	90.25	-0.4	82.6	82.6					
100.0	100.0	100.0	100.0	0.2	0.2	90.25	-0.4	82.6	82.6	82.3	0.30	271.876		
200.0	200.0	200.0	200.0	0.3	0.3	90.25	-0.4	82.6	82.6	81.9	0.65	126.488	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	129.67	-0.4	82.6	83.1	82.1	1.00	82.924		
400.0	400.0	400.0	400.0	0.7	0.7	131.02	-0.4	82.6	84.8	83.5	1.35	62.625		
500.0	499.9	498.3	498.3	0.9	0.8	133.10	-0.4	83.4	88.6	86.9	1.71	51.896		
600.0	599.7	596.4	596.4	1.1	1.0	135.68	-0.6	85.9	95.4	93.4	2.06	46.253		
700.0	699.4	694.1	694.0	1.3	1.2	138.42	-0.9	90.1	105.5	103.0	2.42	43.531		
760.9	760.0	753.3	753.1	1.4	1.3	140.06	-1.1	93.4	113.1	110.5	2.64	42.826		
800.0	798.9	791.2	790.9	1.5	1.4	141.06	-1.3	95.9	118.6	115.8	2.78	42.633	SF	
900.0	898.4	887.8	887.3	1.7	1.6	143.16	-1.8	103.3	133.9	130.7	3.14	42.640		
1,000.0	998.0	984.0	983.0	2.0	1.8	144.70	-2.4	112.2	150.9	147.4	3.50	43.165		
1,100.0	1,097.5	1,079.5	1,078.0	2.2	2.0	145.80	-3.1	122.7	169.6	165.7	3.85	44.036		
1,200.0	1,197.0	1,176.9	1,174.6	2.5	2.3	146.61	-3.9	134.5	189.4	185.2	4.21	44.946		
1,300.0	1,296.5	1,274.9	1,271.9	2.7	2.5	147.27	-4.7	146.4	209.4	204.8	4.58	45.693		
1,400.0	1,396.0	1,372.9	1,369.1	2.9	2.8	147.82	-5.5	158.3	229.3	224.4	4.95	46.325		
1,500.0	1,495.6	1,470.8	1,466.3	3.2	3.0	148.28	-6.3	170.3	249.3	243.9	5.32	46.867		
1,600.0	1,595.1	1,568.8	1,563.6	3.4	3.3	148.67	-7.1	182.2	269.2	263.6	5.69	47.335		
1,700.0	1,694.6	1,666.8	1,660.8	3.7	3.6	149.01	-7.9	194.1	289.2	283.2	6.06	47.744		
1,800.0	1,794.1	1,764.8	1,758.1	3.9	3.8	149.30	-8.7	206.0	309.2	302.8	6.43	48.103		
1,900.0	1,893.7	1,862.7	1,855.3	4.1	4.1	149.56	-9.6	217.9	329.2	322.4	6.80	48.421		
2,000.0	1,993.2	1,960.7	1,952.5	4.4	4.3	149.78	-10.4	229.8	349.2	342.0	7.17	48.705		
2,100.0	2,092.7	2,058.7	2,049.8	4.6	4.6	149.99	-11.2	241.7	369.2	361.7	7.54	48.959		
2,200.0	2,192.2	2,156.6	2,147.0	4.9	4.9	150.17	-12.0	253.6	389.2	381.3	7.91	49.188		
2,300.0	2,291.7	2,254.6	2,244.3	5.1	5.1	150.34	-12.8	265.5	409.3	401.0	8.29	49.395		
2,400.0	2,391.3	2,352.6	2,341.5	5.4	5.4	150.48	-13.6	277.4	429.3	420.6	8.66	49.584		
2,500.0	2,490.8	2,450.5	2,438.7	5.6	5.7	150.62	-14.4	289.4	449.3	440.3	9.03	49.756		
2,600.0	2,590.3	2,548.5	2,536.0	5.8	5.9	150.75	-15.2	301.3	469.3	459.9	9.40	49.915		
2,700.0	2,689.8	2,646.5	2,633.2	6.1	6.2	150.86	-16.0	313.2	489.3	479.6	9.78	50.060		
2,800.0	2,789.3	2,744.5	2,730.5	6.3	6.5	150.96	-16.8	325.1	509.4	499.2	10.15	50.194		
2,900.0	2,888.9	2,842.4	2,827.7	6.6	6.7	151.06	-17.6	337.0	529.4	518.9	10.52	50.318		
3,000.0	2,988.4	2,940.4	2,924.9	6.8	7.0	151.15	-18.5	348.9	549.4	538.5	10.89	50.434		
3,100.0	3,087.9	3,038.4	3,022.2	7.1	7.3	151.24	-19.3	360.8	569.5	558.2	11.27	50.541		
3,200.0	3,187.4	3,136.3	3,119.4	7.3	7.5	151.31	-20.1	372.7	589.5	577.9	11.64	50.641		
3,300.0	3,286.9	3,234.3	3,216.7	7.5	7.8	151.39	-20.9	384.6	609.5	597.5	12.01	50.735		
3,400.0	3,386.5	3,332.3	3,313.9	7.8	8.1	151.46	-21.7	396.5	629.6	617.2	12.39	50.823		
3,500.0	3,486.0	3,430.2	3,411.1	8.0	8.4	151.52	-22.5	408.5	649.6	636.8	12.76	50.905		
3,600.0	3,585.5	3,528.2	3,508.4	8.3	8.6	151.58	-23.3	420.4	669.6	656.5	13.13	50.982		
3,700.0	3,685.0	3,626.2	3,605.6	8.5	8.9	151.64	-24.1	432.3	689.7	676.2	13.51	51.055		
3,800.0	3,784.6	3,724.1	3,702.9	8.8	9.2	151.69	-24.9	444.2	709.7	695.8	13.88	51.124		
3,900.0	3,884.1	3,822.1	3,800.1	9.0	9.4	151.74	-25.7	456.1	729.7	715.5	14.26	51.189		
4,000.0	3,983.6	3,920.1	3,897.3	9.3	9.7	151.79	-26.5	468.0	749.8	735.2	14.63	51.251		
4,100.0	4,083.1	4,018.1	3,994.6	9.5	10.0	151.83	-27.4	479.9	769.8	754.8	15.00	51.310		
4,200.0	4,182.6	4,116.0	4,091.8	9.7	10.2	151.88	-28.2	491.8	789.9	774.5	15.38	51.365		
4,300.0	4,282.2	4,214.0	4,189.1	10.0	10.5	151.92	-29.0	503.7	809.9	794.2	15.75	51.418		
4,400.0	4,381.7	4,312.0	4,286.3	10.2	10.8	151.96	-29.8	515.6	829.9	813.8	16.13	51.468		
4,500.0	4,481.2	4,409.9	4,383.5	10.5	11.0	151.99	-30.6	527.6	850.0	833.5	16.50	51.516		
4,600.0	4,580.7	4,507.9	4,480.8	10.7	11.3	152.03	-31.4	539.5	870.0	853.2	16.87	51.562		
4,700.0	4,680.2	4,605.9	4,578.0	11.0	11.6	152.06	-32.2	551.4	890.1	872.8	17.25	51.606		
4,800.0	4,779.8	4,703.8	4,675.3	11.2	11.9	152.10	-33.0	563.3	910.1	892.5	17.62	51.647		
4,900.0	4,879.3	4,801.8	4,772.5	11.4	12.1	152.13	-33.8	575.2	930.1	912.2	18.00	51.687		
5,000.0	4,978.8	4,899.8	4,869.7	11.7	12.4	152.16	-34.6	587.1	950.2	931.8	18.37	51.725		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2E-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,078.3	4,997.8	4,967.0	11.9	12.7	152.19	-35.4	599.0	970.2	951.5	18.74	51.762		
5,200.0	5,177.9	5,095.7	5,064.2	12.2	12.9	152.21	-36.3	610.9	990.3	971.2	19.12	51.797		
5,300.0	5,277.4	5,193.7	5,161.5	12.4	13.2	152.24	-37.1	622.8	1,010.3	990.8	19.49	51.831		
5,400.0	5,376.9	5,291.7	5,258.7	12.7	13.5	152.26	-37.9	634.7	1,030.4	1,010.5	19.87	51.864		
5,500.0	5,476.4	5,389.6	5,355.9	12.9	13.7	152.29	-38.7	646.7	1,050.4	1,030.2	20.24	51.895		
5,600.0	5,575.9	5,487.6	5,453.2	13.2	14.0	152.31	-39.5	658.6	1,070.4	1,049.8	20.62	51.925		
5,700.0	5,675.5	5,585.6	5,550.4	13.4	14.3	152.33	-40.3	670.5	1,090.5	1,069.5	20.99	51.954		
5,800.0	5,775.0	5,683.5	5,647.7	13.6	14.6	152.36	-41.1	682.4	1,110.5	1,089.2	21.36	51.982		
5,900.0	5,874.5	5,781.5	5,744.9	13.9	14.8	152.38	-41.9	694.3	1,130.6	1,108.8	21.74	52.009		
6,000.0	5,974.0	5,879.5	5,842.1	14.1	15.1	152.40	-42.7	706.2	1,150.6	1,128.5	22.11	52.035		
6,100.0	6,073.5	5,977.5	5,939.4	14.4	15.4	152.42	-43.5	718.1	1,170.7	1,148.2	22.49	52.060		
6,200.0	6,173.1	6,075.4	6,036.6	14.6	15.6	152.44	-44.3	730.0	1,190.7	1,167.8	22.86	52.084		
6,300.0	6,272.6	6,173.4	6,133.9	14.9	15.9	152.45	-45.2	741.9	1,210.8	1,187.5	23.24	52.107		
6,400.0	6,372.1	6,271.4	6,231.1	15.1	16.2	152.47	-46.0	753.8	1,230.8	1,207.2	23.61	52.130		
6,500.0	6,471.6	6,369.3	6,328.3	15.4	16.4	152.49	-46.8	765.8	1,250.8	1,226.9	23.98	52.152		
6,600.0	6,571.1	6,467.3	6,425.6	15.6	16.7	152.51	-47.6	777.7	1,270.9	1,246.5	24.36	52.173		
6,700.0	6,670.7	6,565.3	6,522.8	15.8	17.0	152.52	-48.4	789.6	1,290.9	1,266.2	24.73	52.194		
6,800.0	6,770.2	6,663.2	6,620.1	16.1	17.3	152.54	-49.2	801.5	1,311.0	1,285.9	25.11	52.214		
6,900.0	6,869.7	6,761.2	6,717.3	16.3	17.5	152.55	-50.0	813.4	1,331.0	1,305.5	25.48	52.233		
7,000.0	6,969.2	6,859.2	6,814.5	16.6	17.8	152.57	-50.8	825.3	1,351.1	1,325.2	25.86	52.252		
7,100.0	7,068.8	6,957.2	6,911.8	16.8	18.1	152.58	-51.6	837.2	1,371.1	1,344.9	26.23	52.270		
7,156.2	7,124.7	7,012.2	6,966.4	17.0	18.2	152.59	-52.1	843.9	1,382.4	1,355.9	26.44	52.280		
7,200.0	7,168.4	7,055.2	7,009.1	17.0	18.3	-155.43	-52.4	849.1	1,390.5	1,363.9	26.58	52.304		
7,250.0	7,218.2	7,104.3	7,057.9	17.1	18.5	-100.51	-52.8	855.1	1,398.1	1,371.4	26.72	52.324		
7,300.0	7,267.7	7,153.1	7,106.3	17.1	18.6	-84.69	-53.3	861.0	1,404.0	1,377.1	26.83	52.331		
7,350.0	7,316.4	7,201.2	7,154.0	17.1	18.7	-78.70	-53.6	866.9	1,408.1	1,381.2	26.91	52.326		
7,400.0	7,363.9	7,277.8	7,279.8	17.0	20.1	-88.26	121.0	917.5	1,404.9	1,376.3	28.60	49.115		
7,450.0	7,410.0	7,285.2	7,264.4	16.9	20.5	-91.52	204.8	924.9	1,395.9	1,366.8	29.12	47.938		
7,500.0	7,454.3	7,303.7	7,266.2	16.8	20.6	-91.83	220.4	926.0	1,387.8	1,358.6	29.18	47.563		
7,550.0	7,496.3	7,299.9	7,264.3	16.7	20.6	-91.47	217.2	925.8	1,381.0	1,351.9	29.07	47.500		
7,600.0	7,535.9	7,287.5	7,247.7	16.5	20.5	-90.84	206.7	925.0	1,375.6	1,346.7	28.89	47.620		
7,650.0	7,572.7	7,270.8	7,238.4	16.4	20.5	-90.05	192.9	924.0	1,371.5	1,342.9	28.65	47.878		
7,700.0	7,606.4	7,251.7	7,227.3	16.3	20.4	-89.16	177.3	922.8	1,368.8	1,340.5	28.37	48.242		
7,750.0	7,636.7	7,231.1	7,214.8	16.2	20.3	-88.18	161.1	921.4	1,367.4	1,339.3	28.10	48.657		
7,790.2	7,658.5	7,213.9	7,203.9	16.1	20.2	-87.33	147.7	920.2	1,367.0	1,339.1	27.89	49.018		
7,800.0	7,663.5	7,209.6	7,201.1	16.1	20.2	-87.12	144.5	919.9	1,367.0	1,339.2	27.83	49.114		
7,850.0	7,686.5	7,287.4	7,286.4	16.0	20.1	-86.00	128.0	918.2	1,367.7	1,340.2	27.59	49.571		
7,900.0	7,705.6	7,264.7	7,270.7	16.0	20.0	-84.83	111.7	916.4	1,369.4	1,342.0	27.39	50.002		
7,950.0	7,720.6	7,241.7	7,254.1	16.0	19.9	-83.63	95.9	914.6	1,371.8	1,344.5	27.23	50.383		
8,000.0	7,731.4	7,218.4	7,236.7	16.0	19.9	-82.40	80.5	912.6	1,374.9	1,347.7	27.13	50.682		
8,050.0	7,737.8	7,259.0	7,218.5	16.1	19.8	-81.17	65.8	910.5	1,378.5	1,351.4	27.08	50.897		
8,099.8	7,740.0	7,271.5	7,299.8	16.2	19.7	-79.96	51.8	908.3	1,382.5	1,355.4	27.11	50.999		
8,200.0	7,740.0	7,259.0	7,264.4	16.6	19.6	-78.49	28.6	904.2	1,393.6	1,366.2	27.33	50.983		
8,300.0	7,740.0	7,250.0	7,239.5	17.2	19.5	-77.45	14.2	901.2	1,410.3	1,382.5	27.77	50.781		
8,400.0	7,740.0	7,267.3	7,210.5	17.9	19.4	-76.24	-0.4	897.8	1,432.7	1,404.4	28.36	50.525		
8,500.0	7,740.0	7,250.0	7,294.8	18.8	19.4	-75.60	-7.4	896.0	1,461.0	1,432.0	29.05	50.286		
8,600.0	7,740.0	7,225.1	7,271.8	19.8	19.3	-74.65	-16.7	893.2	1,494.9	1,465.1	29.77	50.214		
8,700.0	7,740.0	7,200.0	7,248.3	20.9	19.3	-73.69	-25.1	890.4	1,534.2	1,503.6	30.59	50.158		
8,800.0	7,740.0	7,200.0	7,248.3	22.0	19.3	-73.69	-25.1	890.4	1,578.5	1,547.0	31.44	50.207		
8,900.0	7,740.0	7,282.6	7,231.8	23.3	19.2	-73.02	-30.3	888.4	1,627.4	1,595.2	32.22	50.513		
9,000.0	7,740.0	7,371.9	7,321.7	24.6	19.2	-72.61	-33.2	887.2	1,680.8	1,647.8	32.99	50.945		
9,100.0	7,740.0	7,350.0	7,300.6	25.9	19.1	-71.75	-38.6	884.7	1,738.2	1,704.5	33.70	51.584		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2E-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
9,200.0	7,740.0	7,350.0	7,300.6	27.3	19.1	-71.75	-38.6	884.7	1,799.0	1,764.6	34.42	52.267		
9,300.0	7,740.0	7,350.0	7,300.6	28.8	19.1	-71.75	-38.6	884.7	1,863.2	1,828.1	35.10	53.089		
9,400.0	7,740.0	7,350.0	7,300.6	30.3	19.1	-71.75	-38.6	884.7	1,930.5	1,894.7	35.73	54.036		
9,500.0	7,740.0	7,350.0	7,300.6	31.8	19.1	-71.75	-38.6	884.7	2,000.5	1,964.1	36.31	55.094		
9,600.0	7,740.0	7,328.7	7,279.8	33.3	19.1	-70.92	-43.1	882.2	2,072.5	2,035.7	36.78	56.355		
9,700.0	7,740.0	7,323.7	7,275.0	34.8	19.1	-70.73	-44.1	881.6	2,146.9	2,109.7	37.26	57.619		
9,800.0	7,740.0	7,319.1	7,270.5	36.4	19.1	-70.55	-44.9	881.1	2,223.3	2,185.6	37.71	58.957		
9,900.0	7,740.0	7,300.0	7,251.8	38.0	19.0	-69.80	-47.9	878.8	2,301.7	2,263.7	38.08	60.452		
10,000.0	7,740.0	7,300.0	7,251.8	39.6	19.0	-69.80	-47.9	878.8	2,381.4	2,343.0	38.48	61.889		
10,100.0	7,740.0	7,300.0	7,251.8	41.2	19.0	-69.80	-47.9	878.8	2,462.6	2,423.8	38.86	63.379		
10,200.0	7,740.0	7,300.0	7,251.8	42.8	19.0	-69.80	-47.9	878.8	2,545.1	2,505.9	39.21	64.916		
10,300.0	7,740.0	7,300.0	7,251.8	44.5	19.0	-69.80	-47.9	878.8	2,628.9	2,589.3	39.54	66.493		
10,400.0	7,740.0	7,300.0	7,251.8	46.1	19.0	-69.80	-47.9	878.8	2,713.7	2,673.9	39.85	68.106		
10,500.0	7,740.0	7,300.0	7,251.8	47.8	19.0	-69.80	-47.9	878.8	2,799.5	2,759.4	40.14	69.750		
10,600.0	7,740.0	7,300.0	7,251.8	49.4	19.0	-69.80	-47.9	878.8	2,886.3	2,845.9	40.41	71.421		
10,700.0	7,740.0	7,300.0	7,251.8	51.1	19.0	-69.80	-47.9	878.8	2,973.9	2,933.2	40.67	73.116		
10,800.0	7,740.0	7,300.0	7,251.8	52.7	19.0	-69.80	-47.9	878.8	3,062.2	3,021.3	40.92	74.832		
10,900.0	7,740.0	7,300.0	7,251.8	54.4	19.0	-69.80	-47.9	878.8	3,151.3	3,110.1	41.16	76.566		
11,000.0	7,740.0	7,300.0	7,251.8	56.1	19.0	-69.80	-47.9	878.8	3,240.9	3,199.5	41.38	78.315		
11,100.0	7,740.0	7,300.0	7,251.8	57.8	19.0	-69.80	-47.9	878.8	3,331.2	3,289.6	41.60	80.077		
11,200.0	7,740.0	7,300.0	7,251.8	59.5	19.0	-69.80	-47.9	878.8	3,422.0	3,380.2	41.81	81.851		
11,300.0	7,740.0	7,300.0	7,251.8	61.2	19.0	-69.80	-47.9	878.8	3,513.3	3,471.3	42.01	83.634		
11,400.0	7,740.0	7,277.7	7,229.9	62.9	18.9	-68.93	-50.7	876.1	3,604.6	3,562.5	42.11	85.601		
11,500.0	7,740.0	7,276.2	7,228.4	64.6	18.9	-68.88	-50.8	876.0	3,696.7	3,654.5	42.29	87.414		
11,600.0	7,740.0	7,274.8	7,227.0	66.3	18.9	-68.82	-51.0	875.8	3,789.3	3,746.8	42.47	89.231		
11,700.0	7,740.0	7,273.5	7,225.7	68.0	18.9	-68.77	-51.1	875.6	3,882.2	3,839.5	42.64	91.053		
11,800.0	7,740.0	7,272.2	7,224.4	69.7	18.9	-68.72	-51.2	875.5	3,975.4	3,932.6	42.80	92.878		
11,900.0	7,740.0	7,250.0	7,202.4	71.4	18.9	-67.86	-52.9	872.8	4,069.4	4,026.5	42.87	94.912		
12,000.0	7,740.0	7,250.0	7,202.4	73.1	18.9	-67.86	-52.9	872.8	4,163.2	4,120.1	43.04	96.732		
12,100.0	7,740.0	7,250.0	7,202.4	74.8	18.9	-67.86	-52.9	872.8	4,257.3	4,214.1	43.20	98.552		
12,200.0	7,740.0	7,250.0	7,202.4	76.5	18.9	-67.86	-52.9	872.8	4,351.6	4,308.3	43.35	100.373		
12,300.0	7,740.0	7,250.0	7,202.4	78.2	18.9	-67.86	-52.9	872.8	4,446.2	4,402.7	43.51	102.193		
12,400.0	7,740.0	7,250.0	7,202.4	79.9	18.9	-67.86	-52.9	872.8	4,541.0	4,497.4	43.66	104.013		
12,500.0	7,740.0	7,250.0	7,202.4	81.7	18.9	-67.86	-52.9	872.8	4,636.1	4,592.3	43.81	105.831		
12,600.0	7,740.0	7,250.0	7,202.4	83.4	18.9	-67.86	-52.9	872.8	4,731.3	4,687.4	43.95	107.648		
12,700.0	7,740.0	7,250.0	7,202.4	85.1	18.9	-67.86	-52.9	872.8	4,826.8	4,782.7	44.10	109.463		
12,800.0	7,740.0	7,250.0	7,202.4	86.8	18.9	-67.86	-52.9	872.8	4,922.4	4,878.2	44.24	111.275		
12,900.0	7,740.0	7,250.0	7,202.4	88.6	18.9	-67.86	-52.9	872.8	5,018.2	4,973.8	44.38	113.084		
13,000.0	7,740.0	7,250.0	7,202.4	90.3	18.9	-67.86	-52.9	872.8	5,114.1	5,069.6	44.51	114.891		
13,100.0	7,740.0	7,250.0	7,202.4	92.0	18.9	-67.86	-52.9	872.8	5,210.3	5,165.6	44.65	116.693		
13,200.0	7,740.0	7,250.0	7,202.4	93.7	18.9	-67.86	-52.9	872.8	5,306.5	5,261.7	44.78	118.492		
13,300.0	7,740.0	7,250.0	7,202.4	95.5	18.9	-67.86	-52.9	872.8	5,402.9	5,358.0	44.92	120.287		
13,400.0	7,740.0	7,250.0	7,202.4	97.2	18.9	-67.86	-52.9	872.8	5,499.4	5,454.4	45.05	122.078		
13,500.0	7,740.0	7,250.0	7,202.4	98.9	18.9	-67.86	-52.9	872.8	5,596.0	5,550.9	45.18	123.864		
13,600.0	7,740.0	7,250.0	7,202.4	100.7	18.9	-67.86	-52.9	872.8	5,692.8	5,647.5	45.31	125.646		
13,700.0	7,740.0	7,250.0	7,202.4	102.4	18.9	-67.86	-52.9	872.8	5,789.7	5,744.2	45.44	127.424		
13,800.0	7,740.0	7,250.0	7,202.4	104.1	18.9	-67.86	-52.9	872.8	5,886.6	5,841.1	45.56	129.196		
13,900.0	7,740.0	7,250.0	7,202.4	105.9	18.9	-67.86	-52.9	872.8	5,983.7	5,938.0	45.69	130.963		
14,000.0	7,740.0	7,250.0	7,202.4	107.6	18.9	-67.86	-52.9	872.8	6,080.9	6,035.1	45.82	132.726		
14,100.0	7,740.0	7,250.0	7,202.4	109.3	18.9	-67.86	-52.9	872.8	6,178.1	6,132.2	45.94	134.483		
14,200.0	7,740.0	7,250.0	7,202.4	111.1	18.9	-67.86	-52.9	872.8	6,275.5	6,229.4	46.06	136.234		
14,300.0	7,740.0	7,250.0	7,202.4	112.8	18.9	-67.86	-52.9	872.8	6,372.9	6,326.7	46.19	137.981		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2E-7H-E168 - Hz - Plan #3													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		
14,400.0	7,740.0	7,250.0	7,202.4	114.5	18.9	-67.86	-52.9	872.8	6,470.4	6,424.1	46.31	139.722		
14,500.0	7,740.0	7,250.0	7,202.4	116.3	18.9	-67.86	-52.9	872.8	6,568.0	6,521.5	46.43	141.457		
14,600.0	7,740.0	7,250.0	7,202.4	118.0	18.9	-67.86	-52.9	872.8	6,665.6	6,619.1	46.55	143.186		
14,700.0	7,740.0	7,250.0	7,202.4	119.7	18.9	-67.86	-52.9	872.8	6,763.3	6,716.7	46.67	144.910		
14,800.0	7,740.0	7,250.0	7,202.4	121.5	18.9	-67.86	-52.9	872.8	6,861.1	6,814.3	46.79	146.629		
14,900.0	7,740.0	7,250.0	7,202.4	123.2	18.9	-67.86	-52.9	872.8	6,959.0	6,912.1	46.91	148.341		
15,000.0	7,740.0	7,250.0	7,202.4	125.0	18.9	-67.86	-52.9	872.8	7,056.9	7,009.8	47.03	150.048		
15,100.0	7,740.0	7,250.0	7,202.4	126.7	18.9	-67.86	-52.9	872.8	7,154.8	7,107.7	47.15	151.748		
15,200.0	7,740.0	7,250.0	7,202.4	128.4	18.9	-67.86	-52.9	872.8	7,252.9	7,205.6	47.27	153.443		
15,300.0	7,740.0	7,250.0	7,202.4	130.2	18.9	-67.86	-52.9	872.8	7,350.9	7,303.5	47.38	155.132		
15,400.0	7,740.0	7,250.0	7,202.4	131.9	18.9	-67.86	-52.9	872.8	7,449.1	7,401.6	47.50	156.815		
15,500.0	7,740.0	7,250.0	7,202.4	133.7	18.9	-67.86	-52.9	872.8	7,547.2	7,499.6	47.62	158.492		
15,600.0	7,740.0	7,250.0	7,202.4	135.4	18.9	-67.86	-52.9	872.8	7,645.5	7,597.7	47.74	160.163		
15,700.0	7,740.0	7,250.0	7,202.4	137.2	18.9	-67.86	-52.9	872.8	7,743.7	7,695.9	47.85	161.828		
15,800.0	7,740.0	7,250.0	7,202.4	138.9	18.9	-67.86	-52.9	872.8	7,842.0	7,794.1	47.97	163.487		
15,900.0	7,740.0	7,250.0	7,202.4	140.6	18.9	-67.86	-52.9	872.8	7,940.4	7,892.3	48.08	165.140		
15,949.8	7,740.0	7,250.0	7,202.4	141.5	18.9	-67.86	-52.9	872.8	7,989.4	7,941.2	48.14	165.961		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2F-7H-E168 - Hz - Plan #4													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	90.46	-0.7	90.1	90.1					
100.0	100.0	100.0	100.0	0.2	0.2	90.46	-0.7	90.1	90.1	89.8	0.30	296.766		
200.0	200.0	200.0	200.0	0.3	0.3	90.46	-0.7	90.1	90.1	89.5	0.65	138.068	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	129.84	-0.7	90.1	90.7	89.7	1.00	90.467		
400.0	400.0	398.4	398.4	0.7	0.7	130.96	-0.6	91.0	93.2	91.9	1.35	68.982		
500.0	499.9	496.6	496.5	0.9	0.8	132.55	-0.3	93.5	98.7	97.0	1.70	57.900		
600.0	599.7	594.5	594.3	1.1	1.0	134.41	0.3	97.6	107.0	105.0	2.06	51.941		
700.0	699.4	691.9	691.6	1.3	1.2	136.34	1.1	103.4	118.4	116.0	2.42	48.880		
760.9	760.0	750.9	750.4	1.4	1.3	137.48	1.7	107.7	126.8	124.2	2.65	47.948		
800.0	798.9	788.7	788.1	1.5	1.4	138.19	2.1	110.8	132.7	129.9	2.79	47.605		
900.0	898.4	885.1	884.1	1.7	1.6	139.60	3.3	119.7	149.0	145.8	3.15	47.224	SF	
1,000.0	998.0	980.9	979.3	2.0	1.9	140.54	4.7	130.2	166.9	163.3	3.52	47.362		
1,100.0	1,097.5	1,076.3	1,073.9	2.2	2.1	141.13	6.3	142.2	186.3	182.4	3.89	47.854		
1,200.0	1,197.0	1,171.0	1,167.6	2.5	2.4	141.44	8.1	155.6	207.3	203.0	4.27	48.597		
1,300.0	1,296.5	1,265.1	1,260.5	2.7	2.7	141.56	10.1	170.5	229.8	225.1	4.64	49.526		
1,400.0	1,396.0	1,358.5	1,352.4	2.9	3.0	141.53	12.3	186.7	253.7	248.7	5.02	50.596		
1,500.0	1,495.6	1,451.4	1,443.6	3.2	3.3	141.39	14.7	204.4	279.2	273.8	5.39	51.778		
1,600.0	1,595.1	1,547.9	1,538.2	3.4	3.7	141.22	17.3	223.4	305.3	299.5	5.79	52.751		
1,700.0	1,694.6	1,644.4	1,632.8	3.7	4.1	141.08	19.9	242.4	331.4	325.2	6.18	53.590		
1,800.0	1,794.1	1,741.0	1,727.4	3.9	4.4	140.96	22.4	261.4	357.5	350.9	6.58	54.322		
1,900.0	1,893.7	1,837.5	1,822.1	4.1	4.8	140.86	25.0	280.4	383.6	376.6	6.98	54.965		
2,000.0	1,993.2	1,934.0	1,916.7	4.4	5.1	140.77	27.6	299.4	409.7	402.3	7.38	55.535		
2,100.0	2,092.7	2,030.5	2,011.3	4.6	5.5	140.69	30.1	318.4	435.8	428.0	7.78	56.042		
2,200.0	2,192.2	2,127.1	2,105.9	4.9	5.9	140.62	32.7	337.4	461.9	453.8	8.18	56.498		
2,300.0	2,291.7	2,223.6	2,200.5	5.1	6.3	140.55	35.3	356.4	488.0	479.5	8.58	56.909		
2,400.0	2,391.3	2,320.1	2,295.1	5.4	6.6	140.50	37.8	375.4	514.2	505.2	8.98	57.281		
2,500.0	2,490.8	2,416.7	2,389.7	5.6	7.0	140.44	40.4	394.4	540.3	530.9	9.38	57.620		
2,600.0	2,590.3	2,513.2	2,484.3	5.8	7.4	140.40	43.0	413.4	566.4	556.6	9.78	57.930		
2,700.0	2,689.8	2,609.7	2,578.9	6.1	7.8	140.36	45.5	432.4	592.5	582.3	10.18	58.215		
2,800.0	2,789.3	2,706.3	2,673.5	6.3	8.1	140.32	48.1	451.4	618.6	608.0	10.58	58.477		
2,900.0	2,888.9	2,802.8	2,768.1	6.6	8.5	140.28	50.7	470.4	644.7	633.7	10.98	58.719		
3,000.0	2,988.4	2,899.3	2,862.7	6.8	8.9	140.25	53.3	489.4	670.8	659.4	11.38	58.943		
3,100.0	3,087.9	2,995.8	2,957.3	7.1	9.3	140.22	55.8	508.4	696.9	685.2	11.78	59.152		
3,200.0	3,187.4	3,092.4	3,051.9	7.3	9.6	140.19	58.4	527.4	723.0	710.9	12.18	59.346		
3,300.0	3,286.9	3,188.9	3,146.5	7.5	10.0	140.16	61.0	546.5	749.2	736.6	12.59	59.527		
3,400.0	3,386.5	3,285.4	3,241.1	7.8	10.4	140.14	63.5	565.5	775.3	762.3	12.99	59.697		
3,500.0	3,486.0	3,382.0	3,335.7	8.0	10.8	140.12	66.1	584.5	801.4	788.0	13.39	59.857		
3,600.0	3,585.5	3,478.5	3,430.4	8.3	11.1	140.09	68.7	603.5	827.5	813.7	13.79	60.006		
3,700.0	3,685.0	3,575.0	3,525.0	8.5	11.5	140.07	71.2	622.5	853.6	839.4	14.19	60.147		
3,800.0	3,784.6	3,671.6	3,619.6	8.8	11.9	140.05	73.8	641.5	879.7	865.1	14.59	60.280		
3,900.0	3,884.1	3,768.1	3,714.2	9.0	12.3	140.04	76.4	660.5	905.8	890.8	15.00	60.406		
4,000.0	3,983.6	3,864.6	3,808.8	9.3	12.7	140.02	78.9	679.5	931.9	916.6	15.40	60.525		
4,100.0	4,083.1	3,961.1	3,903.4	9.5	13.0	140.00	81.5	698.5	958.1	942.3	15.80	60.637		
4,200.0	4,182.6	4,057.7	3,998.0	9.7	13.4	139.99	84.1	717.5	984.2	968.0	16.20	60.744		
4,300.0	4,282.2	4,154.2	4,092.6	10.0	13.8	139.97	86.7	736.5	1,010.3	993.7	16.60	60.846		
4,400.0	4,381.7	4,250.7	4,187.2	10.2	14.2	139.96	89.2	755.5	1,036.4	1,019.4	17.01	60.942		
4,500.0	4,481.2	4,347.3	4,281.8	10.5	14.6	139.95	91.8	774.5	1,062.5	1,045.1	17.41	61.034		
4,600.0	4,580.7	4,443.8	4,376.4	10.7	14.9	139.94	94.4	793.5	1,088.6	1,070.8	17.81	61.122		
4,700.0	4,680.2	4,540.3	4,471.0	11.0	15.3	139.92	96.9	812.5	1,114.7	1,096.5	18.21	61.206		
4,800.0	4,779.8	4,636.9	4,565.6	11.2	15.7	139.91	99.5	831.5	1,140.9	1,122.2	18.62	61.286		
4,900.0	4,879.3	4,733.4	4,660.2	11.4	16.1	139.90	102.1	850.5	1,167.0	1,148.0	19.02	61.363		
5,000.0	4,978.8	4,829.9	4,754.8	11.7	16.4	139.89	104.6	869.5	1,193.1	1,173.7	19.42	61.436		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2F-7H-E168 - Hz - Plan #4													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
5,100.0	5,078.3	4,926.4	4,849.4	11.9	16.8	139.88	107.2	888.5	1,219.2	1,199.4	19.82	61.506		
5,200.0	5,177.9	5,023.0	4,944.0	12.2	17.2	139.87	109.8	907.5	1,245.3	1,225.1	20.22	61.574		
5,300.0	5,277.4	5,119.5	5,038.7	12.4	17.6	139.86	112.3	926.5	1,271.4	1,250.8	20.63	61.638		
5,400.0	5,376.9	5,216.0	5,133.3	12.7	18.0	139.85	114.9	945.5	1,297.5	1,276.5	21.03	61.701		
5,500.0	5,476.4	5,312.6	5,227.9	12.9	18.3	139.85	117.5	964.5	1,323.7	1,302.2	21.43	61.760		
5,600.0	5,575.9	5,409.1	5,322.5	13.2	18.7	139.84	120.1	983.6	1,349.8	1,327.9	21.83	61.818		
5,700.0	5,675.5	5,505.6	5,417.1	13.4	19.1	139.83	122.6	1,002.6	1,375.9	1,353.6	22.24	61.874		
5,800.0	5,775.0	5,602.2	5,511.7	13.6	19.5	139.82	125.2	1,021.6	1,402.0	1,379.4	22.64	61.927		
5,900.0	5,874.5	5,698.7	5,606.3	13.9	19.9	139.82	127.8	1,040.6	1,428.1	1,405.1	23.04	61.979		
6,000.0	5,974.0	5,795.2	5,700.9	14.1	20.2	139.81	130.3	1,059.6	1,454.2	1,430.8	23.44	62.028		
6,100.0	6,073.5	5,891.7	5,795.5	14.4	20.6	139.80	132.9	1,078.6	1,480.3	1,456.5	23.85	62.076		
6,200.0	6,173.1	5,988.3	5,890.1	14.6	21.0	139.80	135.5	1,097.6	1,506.4	1,482.2	24.25	62.123		
6,300.0	6,272.6	6,084.8	5,984.7	14.9	21.4	139.79	138.0	1,116.6	1,532.6	1,507.9	24.65	62.168		
6,400.0	6,372.1	6,181.3	6,079.3	15.1	21.8	139.78	140.6	1,135.6	1,558.7	1,533.6	25.05	62.211		
6,500.0	6,471.6	6,277.9	6,173.9	15.4	22.1	139.78	143.2	1,154.6	1,584.8	1,559.3	25.46	62.253		
6,600.0	6,571.1	6,374.4	6,268.5	15.6	22.5	139.77	145.7	1,173.6	1,610.9	1,585.0	25.86	62.294		
6,700.0	6,670.7	6,470.9	6,363.1	15.8	22.9	139.77	148.3	1,192.6	1,637.0	1,610.8	26.26	62.333		
6,800.0	6,770.2	6,567.4	6,457.7	16.1	23.3	139.76	150.9	1,211.6	1,663.1	1,636.5	26.67	62.371		
6,900.0	6,869.7	6,664.0	6,552.3	16.3	23.7	139.76	153.4	1,230.6	1,689.2	1,662.2	27.07	62.408		
7,000.0	6,969.2	6,760.5	6,647.0	16.6	24.0	139.75	156.0	1,249.6	1,715.4	1,687.9	27.47	62.444		
7,100.0	7,068.8	6,857.0	6,741.6	16.8	24.4	139.75	158.6	1,268.6	1,741.5	1,713.6	27.87	62.479		
7,156.2	7,124.7	6,911.3	6,794.7	17.0	24.6	139.74	160.0	1,279.3	1,756.1	1,728.0	28.10	62.498		
7,200.0	7,168.4	6,953.6	6,836.2	17.0	24.8	-167.90	161.2	1,287.6	1,767.3	1,739.0	28.24	62.577		
7,250.0	7,218.2	7,001.8	6,883.4	17.1	25.0	-112.46	162.4	1,297.1	1,779.2	1,750.8	28.35	62.747		
7,300.0	7,267.7	7,049.5	6,930.2	17.1	25.2	-96.03	163.7	1,306.5	1,790.2	1,761.8	28.42	62.996		
7,350.0	7,316.4	7,122.5	7,001.6	17.1	25.5	-89.68	167.7	1,320.9	1,800.1	1,771.6	28.55	63.041		
7,400.0	7,363.9	7,210.6	7,086.3	17.0	25.9	-87.14	184.2	1,338.0	1,808.2	1,779.4	28.76	62.869		
7,450.0	7,410.0	7,278.7	7,149.6	16.9	26.2	-86.04	205.9	1,350.9	1,814.9	1,786.1	28.87	62.866		
7,500.0	7,454.3	7,328.2	7,193.7	16.8	26.4	-85.44	226.4	1,359.9	1,821.0	1,792.2	28.86	63.091		
7,550.0	7,496.3	7,362.5	7,223.2	16.7	26.6	-84.91	242.8	1,366.0	1,827.0	1,798.3	28.75	63.542		
7,600.0	7,535.9	7,385.0	7,242.0	16.5	26.7	-84.31	254.6	1,369.9	1,833.2	1,804.6	28.56	64.187		
7,650.0	7,572.7	7,398.6	7,253.0	16.4	26.8	-83.58	262.0	1,372.1	1,839.7	1,811.4	28.30	65.001		
7,700.0	7,606.4	7,405.3	7,258.5	16.3	26.8	-82.72	265.8	1,373.3	1,846.7	1,818.7	28.01	65.924		
7,750.0	7,636.7	7,406.8	7,259.7	16.2	26.8	-81.74	266.7	1,373.5	1,854.1	1,826.4	27.71	66.923		
7,800.0	7,663.5	7,404.3	7,257.7	16.1	26.8	-80.67	265.3	1,373.1	1,861.9	1,834.5	27.40	67.953		
7,850.0	7,686.5	7,400.0	7,254.2	16.0	26.8	-79.56	262.8	1,372.4	1,869.9	1,842.8	27.12	68.951		
7,900.0	7,705.6	7,390.5	7,246.5	16.0	26.7	-78.32	257.6	1,370.8	1,878.2	1,851.3	26.87	69.907		
7,950.0	7,720.6	7,380.4	7,238.2	16.0	26.7	-77.11	252.1	1,369.1	1,886.6	1,859.9	26.67	70.743		
8,000.0	7,731.4	7,368.7	7,228.4	16.0	26.6	-75.89	246.0	1,367.1	1,894.9	1,868.4	26.52	71.440		
8,050.0	7,737.8	7,350.0	7,212.5	16.1	26.5	-74.54	236.6	1,363.8	1,903.1	1,876.7	26.42	72.032		
8,099.8	7,740.0	7,350.0	7,212.5	16.2	26.5	-73.77	236.6	1,363.8	1,911.0	1,884.5	26.46	72.223		
8,200.0	7,740.0	7,314.8	7,181.9	16.6	26.3	-72.82	220.4	1,357.5	1,928.7	1,902.1	26.60	72.507		
8,300.0	7,740.0	7,300.0	7,168.8	17.2	26.3	-72.42	214.2	1,354.8	1,950.9	1,923.9	27.03	72.188		
8,400.0	7,740.0	7,273.5	7,144.8	17.9	26.1	-71.69	203.9	1,349.9	1,977.4	1,949.8	27.60	71.651		
8,500.0	7,740.0	7,250.0	7,123.2	18.8	26.0	-71.03	195.8	1,345.5	2,008.3	1,980.0	28.33	70.894		
8,600.0	7,740.0	7,250.0	7,123.2	19.8	26.0	-71.03	195.8	1,345.5	2,043.4	2,014.1	29.24	69.889		
8,700.0	7,740.0	7,231.0	7,105.6	20.9	25.9	-70.49	189.9	1,341.9	2,082.4	2,052.3	30.17	69.032		
8,800.0	7,740.0	7,220.3	7,095.5	22.0	25.9	-70.18	186.8	1,339.9	2,125.3	2,094.1	31.17	68.191		
8,900.0	7,740.0	7,200.0	7,076.3	23.3	25.8	-69.60	181.5	1,336.0	2,171.9	2,139.7	32.16	67.528		
9,000.0	7,740.0	7,200.0	7,076.3	24.6	25.8	-69.60	181.5	1,336.0	2,221.8	2,188.6	33.22	66.872		
9,100.0	7,740.0	7,200.0	7,076.3	25.9	25.8	-69.60	181.5	1,336.0	2,275.0	2,240.7	34.27	66.375		
9,200.0	7,740.0	7,200.0	7,076.3	27.3	25.8	-69.60	181.5	1,336.0	2,331.2	2,295.9	35.30	66.037		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2F-7H-E168 - Hz - Plan #4											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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,300.0	7,740.0	7,181.6	7,058.8	28.8	25.7	-69.07	177.3	1,332.4	2,390.1	2,353.8	36.23	65.968		
9,400.0	7,740.0	7,176.0	7,053.4	30.3	25.7	-68.90	176.1	1,331.3	2,451.7	2,414.5	37.17	65.959		
9,500.0	7,740.0	7,170.8	7,048.4	31.8	25.7	-68.75	175.1	1,330.3	2,515.7	2,477.6	38.07	66.081		
9,600.0	7,740.0	7,150.0	7,028.3	33.3	25.6	-68.15	171.4	1,326.3	2,582.1	2,543.3	38.87	66.438		
9,700.0	7,740.0	7,150.0	7,028.3	34.8	25.6	-68.15	171.4	1,326.3	2,650.4	2,610.7	39.70	66.759		
9,800.0	7,740.0	7,150.0	7,028.3	36.4	25.6	-68.15	171.4	1,326.3	2,720.6	2,680.1	40.49	67.185		
9,900.0	7,740.0	7,150.0	7,028.3	38.0	25.6	-68.15	171.4	1,326.3	2,792.6	2,751.4	41.25	67.706		
10,000.0	7,740.0	7,150.0	7,028.3	39.6	25.6	-68.15	171.4	1,326.3	2,866.3	2,824.4	41.96	68.312		
10,100.0	7,740.0	7,150.0	7,028.3	41.2	25.6	-68.15	171.4	1,326.3	2,941.6	2,899.0	42.63	68.995		
10,200.0	7,740.0	7,150.0	7,028.3	42.8	25.6	-68.15	171.4	1,326.3	3,018.3	2,975.0	43.27	69.748		
10,300.0	7,740.0	7,150.0	7,028.3	44.5	25.6	-68.15	171.4	1,326.3	3,096.3	3,052.4	43.88	70.564		
10,400.0	7,740.0	7,150.0	7,028.3	46.1	25.6	-68.15	171.4	1,326.3	3,175.6	3,131.1	44.45	71.437		
10,500.0	7,740.0	7,150.0	7,028.3	47.8	25.6	-68.15	171.4	1,326.3	3,256.0	3,211.0	45.00	72.361		
10,600.0	7,740.0	7,150.0	7,028.3	49.4	25.6	-68.15	171.4	1,326.3	3,337.4	3,291.9	45.51	73.331		
10,700.0	7,740.0	7,150.0	7,028.3	51.1	25.6	-68.15	171.4	1,326.3	3,419.9	3,373.9	46.00	74.343		
10,800.0	7,740.0	7,150.0	7,028.3	52.7	25.6	-68.15	171.4	1,326.3	3,503.2	3,456.8	46.47	75.393		
10,900.0	7,740.0	7,128.0	7,007.0	54.4	25.5	-67.51	168.3	1,322.0	3,587.0	3,540.2	46.79	76.655		
11,000.0	7,740.0	7,126.2	7,005.2	56.1	25.5	-67.45	168.1	1,321.6	3,671.9	3,624.7	47.21	77.787		
11,100.0	7,740.0	7,124.4	7,003.5	57.8	25.5	-67.40	167.9	1,321.2	3,757.6	3,710.0	47.60	78.946		
11,200.0	7,740.0	7,122.7	7,001.8	59.5	25.5	-67.35	167.7	1,320.9	3,844.0	3,796.0	47.97	80.131		
11,300.0	7,740.0	7,100.0	6,979.6	61.2	25.4	-66.69	165.6	1,316.4	3,931.3	3,883.1	48.21	81.543		
11,400.0	7,740.0	7,100.0	6,979.6	62.9	25.4	-66.69	165.6	1,316.4	4,018.9	3,970.3	48.56	82.758		
11,500.0	7,740.0	7,100.0	6,979.6	64.6	25.4	-66.69	165.6	1,316.4	4,107.0	4,058.1	48.90	83.993		
11,600.0	7,740.0	7,100.0	6,979.6	66.3	25.4	-66.69	165.6	1,316.4	4,195.6	4,146.4	49.22	85.245		
11,700.0	7,740.0	7,100.0	6,979.6	68.0	25.4	-66.69	165.6	1,316.4	4,284.8	4,235.2	49.53	86.513		
11,800.0	7,740.0	7,100.0	6,979.6	69.7	25.4	-66.69	165.6	1,316.4	4,374.4	4,324.6	49.83	87.795		
11,900.0	7,740.0	7,100.0	6,979.6	71.4	25.4	-66.69	165.6	1,316.4	4,464.4	4,414.3	50.11	89.090		
12,000.0	7,740.0	7,100.0	6,979.6	73.1	25.4	-66.69	165.6	1,316.4	4,554.9	4,504.5	50.39	90.398		
12,100.0	7,740.0	7,100.0	6,979.6	74.8	25.4	-66.69	165.6	1,316.4	4,645.8	4,595.1	50.65	91.716		
12,200.0	7,740.0	7,100.0	6,979.6	76.5	25.4	-66.69	165.6	1,316.4	4,737.0	4,686.1	50.91	93.043		
12,300.0	7,740.0	7,100.0	6,979.6	78.2	25.4	-66.69	165.6	1,316.4	4,828.6	4,777.4	51.16	94.380		
12,400.0	7,740.0	7,100.0	6,979.6	79.9	25.4	-66.69	165.6	1,316.4	4,920.5	4,869.1	51.40	95.724		
12,500.0	7,740.0	7,100.0	6,979.6	81.7	25.4	-66.69	165.6	1,316.4	5,012.7	4,961.0	51.64	97.076		
12,600.0	7,740.0	7,100.0	6,979.6	83.4	25.4	-66.69	165.6	1,316.4	5,105.2	5,053.3	51.86	98.434		
12,700.0	7,740.0	7,100.0	6,979.6	85.1	25.4	-66.69	165.6	1,316.4	5,198.0	5,145.9	52.09	99.798		
12,800.0	7,740.0	7,100.0	6,979.6	86.8	25.4	-66.69	165.6	1,316.4	5,291.0	5,238.7	52.30	101.166		
12,900.0	7,740.0	7,100.0	6,979.6	88.6	25.4	-66.69	165.6	1,316.4	5,384.3	5,331.8	52.51	102.540		
13,000.0	7,740.0	7,100.0	6,979.6	90.3	25.4	-66.69	165.6	1,316.4	5,477.8	5,425.1	52.71	103.917		
13,100.0	7,740.0	7,100.0	6,979.6	92.0	25.4	-66.69	165.6	1,316.4	5,571.6	5,518.7	52.91	105.298		
13,200.0	7,740.0	7,100.0	6,979.6	93.7	25.4	-66.69	165.6	1,316.4	5,665.6	5,612.5	53.11	106.682		
13,300.0	7,740.0	7,100.0	6,979.6	95.5	25.4	-66.69	165.6	1,316.4	5,759.7	5,706.4	53.30	108.068		
13,400.0	7,740.0	7,100.0	6,979.6	97.2	25.4	-66.69	165.6	1,316.4	5,854.1	5,800.6	53.48	109.457		
13,500.0	7,740.0	7,100.0	6,979.6	98.9	25.4	-66.69	165.6	1,316.4	5,948.7	5,895.0	53.67	110.847		
13,600.0	7,740.0	7,100.0	6,979.6	100.7	25.4	-66.69	165.6	1,316.4	6,043.4	5,989.5	53.84	112.239		
13,700.0	7,740.0	7,100.0	6,979.6	102.4	25.4	-66.69	165.6	1,316.4	6,138.3	6,084.3	54.02	113.632		
13,800.0	7,740.0	7,100.0	6,979.6	104.1	25.4	-66.69	165.6	1,316.4	6,233.3	6,179.1	54.19	115.026		
13,900.0	7,740.0	7,100.0	6,979.6	105.9	25.4	-66.69	165.6	1,316.4	6,328.5	6,274.2	54.36	116.421		
14,000.0	7,740.0	7,100.0	6,979.6	107.6	25.4	-66.69	165.6	1,316.4	6,423.9	6,369.4	54.52	117.816		
14,100.0	7,740.0	7,100.0	6,979.6	109.3	25.4	-66.69	165.6	1,316.4	6,519.4	6,464.7	54.69	119.212		
14,200.0	7,740.0	7,100.0	6,979.6	111.1	25.4	-66.69	165.6	1,316.4	6,615.0	6,560.1	54.85	120.607		
14,300.0	7,740.0	7,100.0	6,979.6	112.8	25.4	-66.69	165.6	1,316.4	6,710.7	6,655.7	55.01	122.002		
14,400.0	7,740.0	7,100.0	6,979.6	114.5	25.4	-66.69	165.6	1,316.4	6,806.6	6,751.5	55.16	123.396		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2F-7H-E168 - Hz - Plan #4										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	
14,500.0	7,740.0	7,100.0	6,979.6	116.3	25.4	-66.69	165.6	1,316.4	6,902.6	6,847.3	55.31	124.790	
14,600.0	7,740.0	7,100.0	6,979.6	118.0	25.4	-66.69	165.6	1,316.4	6,998.7	6,943.2	55.46	126.183	
14,700.0	7,740.0	7,100.0	6,979.6	119.7	25.4	-66.69	165.6	1,316.4	7,094.9	7,039.3	55.61	127.575	
14,800.0	7,740.0	7,100.0	6,979.6	121.5	25.4	-66.69	165.6	1,316.4	7,191.2	7,135.5	55.76	128.966	
14,900.0	7,740.0	7,100.0	6,979.6	123.2	25.4	-66.69	165.6	1,316.4	7,287.6	7,231.7	55.91	130.355	
15,000.0	7,740.0	7,100.0	6,979.6	125.0	25.4	-66.69	165.6	1,316.4	7,384.2	7,328.1	56.05	131.743	
15,100.0	7,740.0	7,100.0	6,979.6	126.7	25.4	-66.69	165.6	1,316.4	7,480.8	7,424.6	56.19	133.130	
15,200.0	7,740.0	7,100.0	6,979.6	128.4	25.4	-66.69	165.6	1,316.4	7,577.4	7,521.1	56.33	134.515	
15,300.0	7,740.0	7,100.0	6,979.6	130.2	25.4	-66.69	165.6	1,316.4	7,674.2	7,617.7	56.47	135.898	
15,400.0	7,740.0	7,100.0	6,979.6	131.9	25.4	-66.69	165.6	1,316.4	7,771.1	7,714.5	56.61	137.279	
15,500.0	7,740.0	7,100.0	6,979.6	133.7	25.4	-66.69	165.6	1,316.4	7,868.0	7,811.3	56.74	138.659	
15,600.0	7,740.0	7,100.0	6,979.6	135.4	25.4	-66.69	165.6	1,316.4	7,965.0	7,908.1	56.88	140.036	
15,700.0	7,740.0	7,100.0	6,979.6	137.2	25.4	-66.69	165.6	1,316.4	8,062.1	8,005.1	57.01	141.411	
15,800.0	7,740.0	7,100.0	6,979.6	138.9	25.4	-66.69	165.6	1,316.4	8,159.3	8,102.1	57.14	142.784	
15,900.0	7,740.0	7,100.0	6,979.6	140.6	25.4	-66.69	165.6	1,316.4	8,256.5	8,199.2	57.27	144.155	
15,949.8	7,740.0	7,087.7	6,967.7	141.5	25.3	-66.33	164.9	1,314.0	8,304.7	8,247.5	57.26	145.026	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2G-7H-E168 - Hz - Plan #3												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	90.43	-0.7	97.4	97.4					
100.0	100.0	100.0	100.0	0.2	0.2	90.43	-0.7	97.4	97.4	97.1	0.30	320.727		
200.0	200.0	200.0	200.0	0.3	0.3	90.43	-0.7	97.4	97.4	96.7	0.65	149.215 CC, ES		
300.0	300.0	299.2	299.2	0.5	0.5	129.79	-0.8	97.6	98.2	97.2	1.00	98.082		
400.0	400.0	397.4	397.4	0.7	0.7	131.03	-1.1	99.3	101.6	100.2	1.35	75.255		
500.0	499.9	495.3	495.3	0.9	0.9	132.94	-1.6	102.6	107.9	106.2	1.70	63.412		
600.0	599.7	592.9	592.7	1.1	1.0	135.27	-2.5	107.5	117.2	115.2	2.06	57.022		
700.0	699.4	689.8	689.4	1.3	1.2	137.76	-3.7	114.0	129.8	127.3	2.41	53.759		
760.9	760.0	748.6	747.9	1.4	1.4	139.25	-4.5	118.7	138.9	136.3	2.63	52.797		
800.0	798.9	786.1	785.3	1.5	1.4	140.20	-5.1	122.1	145.4	142.6	2.77	52.464		
900.0	898.4	881.8	880.5	1.7	1.7	142.24	-6.8	131.7	163.1	160.0	3.13	52.190 SF		
1,000.0	998.0	976.9	974.9	2.0	1.9	143.84	-8.7	142.7	182.7	179.2	3.48	52.521		
1,100.0	1,097.5	1,071.4	1,068.5	2.2	2.2	145.07	-10.9	155.3	203.9	200.1	3.83	53.266		
1,200.0	1,197.0	1,165.1	1,161.2	2.5	2.5	146.02	-13.4	169.2	226.9	222.7	4.18	54.304		
1,300.0	1,296.5	1,258.2	1,253.0	2.7	2.8	146.75	-16.1	184.5	251.4	246.9	4.53	55.556		
1,400.0	1,396.0	1,350.4	1,343.7	2.9	3.1	147.29	-19.0	201.2	277.6	272.7	4.87	56.967		
1,500.0	1,495.6	1,441.9	1,433.3	3.2	3.4	147.69	-22.2	219.1	305.2	300.0	5.22	58.502		
1,600.0	1,595.1	1,532.6	1,521.9	3.4	3.8	147.99	-25.6	238.2	334.4	328.9	5.56	60.135		
1,700.0	1,694.6	1,622.3	1,609.3	3.7	4.2	148.19	-29.1	258.5	365.1	359.2	5.90	61.847		
1,800.0	1,794.1	1,711.2	1,695.4	3.9	4.6	148.33	-32.9	279.9	397.3	391.0	6.24	63.625		
1,900.0	1,893.7	1,803.8	1,784.9	4.1	5.0	148.39	-36.8	303.4	430.5	423.9	6.60	65.195		
2,000.0	1,993.2	1,900.0	1,877.8	4.4	5.5	148.26	-39.4	328.1	463.6	456.6	6.99	66.343		
2,100.0	2,092.7	1,997.4	1,972.0	4.6	5.9	147.95	-40.5	353.2	496.3	488.9	7.38	67.217		
2,200.0	2,192.2	2,101.1	2,072.4	4.9	6.4	147.64	-40.9	378.9	527.8	520.0	7.80	67.649		
2,300.0	2,291.7	2,200.8	2,169.4	5.1	6.8	147.42	-41.3	402.0	557.9	549.7	8.20	68.016		
2,400.0	2,391.3	2,296.2	2,262.3	5.4	7.3	147.25	-41.7	424.0	587.9	579.3	8.59	68.462		
2,500.0	2,490.8	2,391.6	2,355.1	5.6	7.7	147.09	-42.1	445.9	617.8	608.8	8.97	68.866		
2,600.0	2,590.3	2,487.0	2,447.9	5.8	8.1	146.94	-42.5	467.9	647.7	638.4	9.36	69.233		
2,700.0	2,689.8	2,582.4	2,540.8	6.1	8.5	146.81	-42.9	489.9	677.7	667.9	9.74	69.570		
2,800.0	2,789.3	2,677.8	2,633.6	6.3	8.9	146.69	-43.3	511.8	707.6	697.5	10.13	69.879		
2,900.0	2,888.9	2,773.2	2,726.4	6.6	9.4	146.58	-43.7	533.8	737.6	727.0	10.51	70.163		
3,000.0	2,988.4	2,868.6	2,819.3	6.8	9.8	146.48	-44.1	555.8	767.5	756.6	10.90	70.426		
3,100.0	3,087.9	2,964.0	2,912.1	7.1	10.2	146.38	-44.5	577.7	797.5	786.2	11.28	70.670		
3,200.0	3,187.4	3,059.4	3,005.0	7.3	10.6	146.29	-44.9	599.7	827.4	815.7	11.67	70.897		
3,300.0	3,286.9	3,154.9	3,097.8	7.5	11.0	146.21	-45.3	621.6	857.4	845.3	12.06	71.108		
3,400.0	3,386.5	3,250.3	3,190.6	7.8	11.5	146.13	-45.7	643.6	887.3	874.9	12.44	71.305		
3,500.0	3,486.0	3,345.7	3,283.5	8.0	11.9	146.06	-46.1	665.6	917.3	904.4	12.83	71.490		
3,600.0	3,585.5	3,441.1	3,376.3	8.3	12.3	146.00	-46.5	687.5	947.2	934.0	13.22	71.663		
3,700.0	3,685.0	3,536.5	3,469.2	8.5	12.7	145.93	-46.9	709.5	977.2	963.6	13.60	71.826		
3,800.0	3,784.6	3,631.9	3,562.0	8.8	13.2	145.87	-47.3	731.4	1,007.2	993.2	13.99	71.979		
3,900.0	3,884.1	3,727.3	3,654.8	9.0	13.6	145.82	-47.7	753.4	1,037.1	1,022.7	14.38	72.124		
4,000.0	3,983.6	3,822.7	3,747.7	9.3	14.0	145.77	-48.1	775.4	1,067.1	1,052.3	14.77	72.261		
4,100.0	4,083.1	3,918.1	3,840.5	9.5	14.4	145.72	-48.5	797.3	1,097.0	1,081.9	15.15	72.390		
4,200.0	4,182.6	4,013.5	3,933.3	9.7	14.9	145.67	-48.9	819.3	1,127.0	1,111.5	15.54	72.513		
4,300.0	4,282.2	4,108.9	4,026.2	10.0	15.3	145.63	-49.3	841.2	1,157.0	1,141.0	15.93	72.629		
4,400.0	4,381.7	4,204.3	4,119.0	10.2	15.7	145.58	-49.7	863.2	1,186.9	1,170.6	16.32	72.740		
4,500.0	4,481.2	4,299.7	4,211.9	10.5	16.1	145.54	-50.1	885.2	1,216.9	1,200.2	16.71	72.845		
4,600.0	4,580.7	4,395.1	4,304.7	10.7	16.6	145.51	-50.5	907.1	1,246.9	1,229.8	17.09	72.946		
4,700.0	4,680.2	4,490.5	4,397.5	11.0	17.0	145.47	-50.9	929.1	1,276.8	1,259.3	17.48	73.041		
4,800.0	4,779.8	4,585.9	4,490.4	11.2	17.4	145.43	-51.3	951.1	1,306.8	1,288.9	17.87	73.133		
4,900.0	4,879.3	4,681.3	4,583.2	11.4	17.8	145.40	-51.7	973.0	1,336.8	1,318.5	18.26	73.220		
5,000.0	4,978.8	4,776.7	4,676.1	11.7	18.3	145.37	-52.1	995.0	1,366.7	1,348.1	18.64	73.304		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2G-7H-E168 - Hz - Plan #3											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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,078.3	4,872.1	4,768.9	11.9	18.7	145.34	-52.5	1,016.9	1,396.7	1,377.7	19.03	73.384		
5,200.0	5,177.9	4,967.5	4,861.7	12.2	19.1	145.31	-52.9	1,038.9	1,426.7	1,407.2	19.42	73.461		
5,300.0	5,277.4	5,062.9	4,954.6	12.4	19.5	145.28	-53.3	1,060.9	1,456.6	1,436.8	19.81	73.534		
5,400.0	5,376.9	5,158.3	5,047.4	12.7	20.0	145.26	-53.7	1,082.8	1,486.6	1,466.4	20.20	73.605		
5,500.0	5,476.4	5,253.7	5,140.2	12.9	20.4	145.23	-54.0	1,104.8	1,516.6	1,496.0	20.59	73.673		
5,600.0	5,575.9	5,349.1	5,233.1	13.2	20.8	145.20	-54.4	1,126.7	1,546.5	1,525.6	20.97	73.738		
5,700.0	5,675.5	5,444.5	5,325.9	13.4	21.3	145.18	-54.8	1,148.7	1,576.5	1,555.2	21.36	73.801		
5,800.0	5,775.0	5,539.9	5,418.8	13.6	21.7	145.16	-55.2	1,170.7	1,606.5	1,584.7	21.75	73.862		
5,900.0	5,874.5	5,635.3	5,511.6	13.9	22.1	145.14	-55.6	1,192.6	1,636.5	1,614.3	22.14	73.920		
6,000.0	5,974.0	5,730.7	5,604.4	14.1	22.5	145.11	-56.0	1,214.6	1,666.4	1,643.9	22.53	73.976		
6,100.0	6,073.5	5,826.1	5,697.3	14.4	23.0	145.09	-56.4	1,236.5	1,696.4	1,673.5	22.91	74.031		
6,200.0	6,173.1	5,921.5	5,790.1	14.6	23.4	145.07	-56.8	1,258.5	1,726.4	1,703.1	23.30	74.083		
6,300.0	6,272.6	6,016.9	5,883.0	14.9	23.8	145.06	-57.2	1,280.5	1,756.3	1,732.6	23.69	74.134		
6,400.0	6,372.1	6,112.3	5,975.8	15.1	24.2	145.04	-57.6	1,302.4	1,786.3	1,762.2	24.08	74.183		
6,500.0	6,471.6	6,207.7	6,068.6	15.4	24.7	145.02	-58.0	1,324.4	1,816.3	1,791.8	24.47	74.231		
6,600.0	6,571.1	6,303.1	6,161.5	15.6	25.1	145.00	-58.4	1,346.4	1,846.2	1,821.4	24.86	74.276		
6,700.0	6,670.7	6,398.5	6,254.3	15.8	25.5	144.98	-58.8	1,368.3	1,876.2	1,851.0	25.24	74.321		
6,800.0	6,770.2	6,493.9	6,347.1	16.1	25.9	144.97	-59.2	1,390.3	1,906.2	1,880.6	25.63	74.364		
6,900.0	6,869.7	6,589.3	6,440.0	16.3	26.4	144.95	-59.6	1,412.2	1,936.2	1,910.1	26.02	74.406		
7,000.0	6,969.2	6,684.7	6,532.8	16.6	26.8	144.94	-60.0	1,434.2	1,966.1	1,939.7	26.41	74.446		
7,100.0	7,068.8	6,780.1	6,625.7	16.8	27.2	144.92	-60.4	1,456.2	1,996.1	1,969.3	26.80	74.486		
7,156.2	7,124.7	6,833.7	6,677.8	17.0	27.5	144.91	-60.6	1,468.5	2,012.9	1,985.9	27.02	74.507		
7,200.0	7,168.4	6,875.6	6,718.6	17.0	27.6	-162.59	-60.8	1,478.1	2,025.6	1,998.5	27.16	74.590		
7,250.0	7,218.2	6,923.4	6,765.1	17.1	27.9	-107.01	-61.0	1,489.1	2,039.0	2,011.7	27.27	74.763		
7,300.0	7,267.7	6,970.9	6,811.3	17.1	28.1	-90.45	-61.2	1,500.1	2,051.0	2,023.7	27.34	75.010		
7,350.0	7,316.4	7,017.6	6,856.8	17.1	28.3	-83.67	-61.4	1,510.8	2,061.7	2,034.4	27.37	75.324		
7,400.0	7,363.9	7,063.3	6,901.2	17.0	28.5	-80.06	-61.6	1,521.3	2,071.2	2,043.8	27.36	75.699		
7,450.0	7,410.0	7,107.6	6,944.3	16.9	28.7	-77.92	-61.8	1,531.5	2,079.3	2,052.0	27.31	76.127		
7,500.0	7,454.3	7,150.1	6,985.7	16.8	28.9	-76.60	-61.9	1,541.3	2,086.2	2,058.9	27.24	76.596		
7,550.0	7,496.3	7,190.5	7,025.1	16.7	29.1	-75.81	-62.1	1,550.6	2,091.9	2,064.8	27.13	77.094		
7,600.0	7,535.9	7,228.6	7,062.1	16.5	29.2	-75.39	-62.3	1,559.4	2,096.6	2,069.6	27.02	77.604		
7,650.0	7,572.7	7,264.0	7,096.5	16.4	29.4	-75.22	-62.4	1,567.5	2,100.3	2,073.4	26.89	78.106		
7,700.0	7,606.4	7,296.4	7,128.1	16.3	29.5	-75.24	-62.5	1,575.0	2,103.2	2,076.4	26.77	78.578		
7,750.0	7,636.7	7,325.7	7,156.6	16.2	29.7	-75.38	-62.7	1,581.8	2,105.4	2,078.7	26.65	78.996		
7,800.0	7,663.5	7,354.2	7,184.3	16.1	29.8	-75.67	-62.8	1,588.3	2,106.9	2,080.4	26.57	79.304		
7,850.0	7,686.5	7,393.1	7,222.1	16.0	30.0	-76.35	-61.3	1,597.2	2,107.9	2,081.4	26.56	79.357		
7,900.0	7,705.6	7,416.2	7,244.5	16.0	30.1	-76.76	-59.1	1,602.5	2,108.5	2,082.0	26.55	79.405		
7,950.0	7,720.6	7,428.3	7,256.3	16.0	30.1	-76.94	-57.6	1,605.3	2,109.0	2,082.4	26.57	79.385		
8,000.0	7,731.4	7,432.9	7,260.7	16.0	30.1	-76.97	-57.0	1,606.3	2,109.3	2,082.7	26.62	79.244		
8,050.0	7,737.8	7,432.0	7,259.8	16.1	30.1	-76.87	-57.1	1,606.1	2,109.6	2,082.8	26.72	78.952		
8,099.8	7,740.0	7,427.0	7,255.0	16.2	30.1	-76.71	-57.8	1,605.0	2,109.7	2,082.9	26.88	78.494		
8,200.0	7,740.0	7,415.7	7,244.1	16.6	30.1	-76.40	-59.2	1,602.4	2,112.4	2,085.0	27.38	77.143		
8,300.0	7,740.0	7,407.4	7,236.0	17.2	30.0	-76.18	-60.1	1,600.5	2,119.7	2,091.6	28.12	75.375		
8,400.0	7,740.0	7,400.0	7,228.9	17.9	30.0	-75.98	-60.7	1,598.8	2,131.6	2,102.6	29.06	73.353		
8,500.0	7,740.0	7,400.0	7,228.9	18.8	30.0	-75.98	-60.7	1,598.8	2,148.1	2,118.0	30.18	71.184		
8,600.0	7,740.0	7,400.0	7,228.9	19.8	30.0	-75.98	-60.7	1,598.8	2,169.1	2,137.7	31.42	69.041		
8,700.0	7,740.0	7,400.0	7,228.9	20.9	30.0	-75.98	-60.7	1,598.8	2,194.5	2,161.7	32.75	67.015		
8,800.0	7,740.0	7,385.3	7,214.6	22.0	29.9	-75.58	-61.8	1,595.5	2,224.0	2,189.9	34.08	65.262		
8,900.0	7,740.0	7,382.9	7,212.2	23.3	29.9	-75.52	-61.9	1,594.9	2,257.5	2,222.1	35.48	63.633		
9,000.0	7,740.0	7,380.7	7,210.2	24.6	29.9	-75.46	-62.0	1,594.4	2,295.0	2,258.1	36.88	62.224		
9,100.0	7,740.0	7,378.9	7,208.3	25.9	29.9	-75.41	-62.1	1,594.0	2,336.1	2,297.8	38.27	61.038		
9,200.0	7,740.0	7,377.2	7,206.7	27.3	29.9	-75.36	-62.2	1,593.6	2,380.7	2,341.1	39.63	60.068		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2G-7H-E168 - Hz - Plan #3													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		
9,300.0	7,740.0	7,375.8	7,205.3	28.8	29.9	-75.32	-62.3	1,593.3	2,428.6	2,387.6	40.95	59.300		
9,400.0	7,740.0	7,374.5	7,204.1	30.3	29.9	-75.29	-62.3	1,593.0	2,479.6	2,437.4	42.23	58.722		
9,500.0	7,740.0	7,373.3	7,202.9	31.8	29.9	-75.26	-62.4	1,592.7	2,533.5	2,490.1	43.45	58.316		
9,600.0	7,740.0	7,372.3	7,201.9	33.3	29.9	-75.23	-62.4	1,592.5	2,590.2	2,545.6	44.61	58.067		
9,700.0	7,740.0	7,371.3	7,201.0	34.8	29.9	-75.20	-62.4	1,592.2	2,649.4	2,603.7	45.71	57.961		
9,800.0	7,740.0	7,370.4	7,200.1	36.4	29.9	-75.18	-62.5	1,592.0	2,711.1	2,664.3	46.76	57.983		
9,900.0	7,740.0	7,369.6	7,199.4	38.0	29.9	-75.16	-62.5	1,591.9	2,774.9	2,727.2	47.74	58.121		
10,000.0	7,740.0	7,368.9	7,198.6	39.6	29.9	-75.14	-62.5	1,591.7	2,840.9	2,792.2	48.68	58.363		
10,100.0	7,740.0	7,349.2	7,179.4	41.2	29.8	-74.60	-62.8	1,587.2	2,909.0	2,859.6	49.45	58.832		
10,200.0	7,740.0	7,349.2	7,179.4	42.8	29.8	-74.60	-62.8	1,587.2	2,978.7	2,928.4	50.27	59.249		
10,300.0	7,740.0	7,349.2	7,179.4	44.5	29.8	-74.60	-62.8	1,587.2	3,050.1	2,999.0	51.05	59.742		
10,400.0	7,740.0	7,349.2	7,179.4	46.1	29.8	-74.60	-62.8	1,587.2	3,123.0	3,071.2	51.79	60.305		
10,500.0	7,740.0	7,349.2	7,179.4	47.8	29.8	-74.60	-62.8	1,587.2	3,197.4	3,144.9	52.48	60.929		
10,600.0	7,740.0	7,349.2	7,179.4	49.4	29.8	-74.60	-62.8	1,587.2	3,273.2	3,220.1	53.13	61.610		
10,700.0	7,740.0	7,349.2	7,179.4	51.1	29.8	-74.60	-62.8	1,587.2	3,350.2	3,296.5	53.74	62.342		
10,800.0	7,740.0	7,349.2	7,179.4	52.7	29.8	-74.60	-62.8	1,587.2	3,428.5	3,374.1	54.32	63.120		
10,900.0	7,740.0	7,349.2	7,179.4	54.4	29.8	-74.60	-62.8	1,587.2	3,507.8	3,452.9	54.86	63.940		
11,000.0	7,740.0	7,349.2	7,179.4	56.1	29.8	-74.60	-62.8	1,587.2	3,588.2	3,532.8	55.37	64.798		
11,100.0	7,740.0	7,349.2	7,179.4	57.8	29.8	-74.60	-62.8	1,587.2	3,669.5	3,613.6	55.86	65.691		
11,200.0	7,740.0	7,349.2	7,179.4	59.5	29.8	-74.60	-62.8	1,587.2	3,751.7	3,695.4	56.32	66.615		
11,300.0	7,740.0	7,349.2	7,179.4	61.2	29.8	-74.60	-62.8	1,587.2	3,834.8	3,778.0	56.75	67.568		
11,400.0	7,740.0	7,349.2	7,179.4	62.9	29.8	-74.60	-62.8	1,587.2	3,918.7	3,861.5	57.17	68.548		
11,500.0	7,740.0	7,349.2	7,179.4	64.6	29.8	-74.60	-62.8	1,587.2	4,003.3	3,945.7	57.56	69.551		
11,600.0	7,740.0	7,349.2	7,179.4	66.3	29.8	-74.60	-62.8	1,587.2	4,088.6	4,030.6	57.93	70.577		
11,700.0	7,740.0	7,349.2	7,179.4	68.0	29.8	-74.60	-62.8	1,587.2	4,174.5	4,116.3	58.29	71.623		
11,800.0	7,740.0	7,349.2	7,179.4	69.7	29.8	-74.60	-62.8	1,587.2	4,261.1	4,202.5	58.62	72.687		
11,900.0	7,740.0	7,349.2	7,179.4	71.4	29.8	-74.60	-62.8	1,587.2	4,348.3	4,289.3	58.95	73.768		
12,000.0	7,740.0	7,349.2	7,179.4	73.1	29.8	-74.60	-62.8	1,587.2	4,435.9	4,376.7	59.25	74.864		
12,100.0	7,740.0	7,349.2	7,179.4	74.8	29.8	-74.60	-62.8	1,587.2	4,524.1	4,464.6	59.55	75.975		
12,200.0	7,740.0	7,349.2	7,179.4	76.5	29.8	-74.60	-62.8	1,587.2	4,612.8	4,553.0	59.83	77.098		
12,300.0	7,740.0	7,349.2	7,179.4	78.2	29.8	-74.60	-62.8	1,587.2	4,702.0	4,641.9	60.10	78.234		
12,400.0	7,740.0	7,349.2	7,179.4	79.9	29.8	-74.60	-62.8	1,587.2	4,791.5	4,731.2	60.36	79.380		
12,500.0	7,740.0	7,349.2	7,179.4	81.7	29.8	-74.60	-62.8	1,587.2	4,881.5	4,820.9	60.61	80.537		
12,600.0	7,740.0	7,349.2	7,179.4	83.4	29.8	-74.60	-62.8	1,587.2	4,971.8	4,911.0	60.85	81.703		
12,700.0	7,740.0	7,349.2	7,179.4	85.1	29.8	-74.60	-62.8	1,587.2	5,062.6	5,001.5	61.09	82.877		
12,800.0	7,740.0	7,349.2	7,179.4	86.8	29.8	-74.60	-62.8	1,587.2	5,153.6	5,092.3	61.31	84.059		
12,900.0	7,740.0	7,349.2	7,179.4	88.6	29.8	-74.60	-62.8	1,587.2	5,245.0	5,183.5	61.53	85.248		
13,000.0	7,740.0	7,349.2	7,179.4	90.3	29.8	-74.60	-62.8	1,587.2	5,336.7	5,275.0	61.74	86.443		
13,100.0	7,740.0	7,349.2	7,179.4	92.0	29.8	-74.60	-62.8	1,587.2	5,428.7	5,366.7	61.94	87.645		
13,200.0	7,740.0	7,349.2	7,179.4	93.7	29.8	-74.60	-62.8	1,587.2	5,520.9	5,458.8	62.14	88.851		
13,300.0	7,740.0	7,349.2	7,179.4	95.5	29.8	-74.60	-62.8	1,587.2	5,613.5	5,551.1	62.33	90.063		
13,400.0	7,740.0	7,349.2	7,179.4	97.2	29.8	-74.60	-62.8	1,587.2	5,706.3	5,643.7	62.51	91.279		
13,500.0	7,740.0	7,349.2	7,179.4	98.9	29.8	-74.60	-62.8	1,587.2	5,799.3	5,736.6	62.70	92.499		
13,600.0	7,740.0	7,349.2	7,179.4	100.7	29.8	-74.60	-62.8	1,587.2	5,892.5	5,829.7	62.87	93.723		
13,700.0	7,740.0	7,349.2	7,179.4	102.4	29.8	-74.60	-62.8	1,587.2	5,986.0	5,923.0	63.04	94.950		
13,800.0	7,740.0	7,349.2	7,179.4	104.1	29.8	-74.60	-62.8	1,587.2	6,079.7	6,016.5	63.21	96.180		
13,900.0	7,740.0	7,349.2	7,179.4	105.9	29.8	-74.60	-62.8	1,587.2	6,173.5	6,110.2	63.38	97.412		
14,000.0	7,740.0	7,349.2	7,179.4	107.6	29.8	-74.60	-62.8	1,587.2	6,267.6	6,204.1	63.54	98.647		
14,100.0	7,740.0	7,349.2	7,179.4	109.3	29.8	-74.60	-62.8	1,587.2	6,361.9	6,298.2	63.69	99.884		
14,200.0	7,740.0	7,349.2	7,179.4	111.1	29.8	-74.60	-62.8	1,587.2	6,456.3	6,392.4	63.85	101.123		
14,300.0	7,740.0	7,349.2	7,179.4	112.8	29.8	-74.60	-62.8	1,587.2	6,550.9	6,486.9	64.00	102.363		
14,400.0	7,740.0	7,349.2	7,179.4	114.5	29.8	-74.60	-62.8	1,587.2	6,645.6	6,581.5	64.14	103.604		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2G-7H-E168 - Hz - Plan #3													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		
14,500.0	7,740.0	7,349.2	7,179.4	116.3	29.8	-74.60	-62.8	1,587.2	6,740.5	6,676.2	64.29	104.847		
14,600.0	7,740.0	7,349.2	7,179.4	118.0	29.8	-74.60	-62.8	1,587.2	6,835.5	6,771.1	64.43	106.090		
14,700.0	7,740.0	7,349.2	7,179.4	119.7	29.8	-74.60	-62.8	1,587.2	6,930.7	6,866.1	64.57	107.335		
14,800.0	7,740.0	7,349.2	7,179.4	121.5	29.8	-74.60	-62.8	1,587.2	7,026.0	6,961.3	64.71	108.579		
14,900.0	7,740.0	7,349.2	7,179.4	123.2	29.8	-74.60	-62.8	1,587.2	7,121.5	7,056.6	64.84	109.824		
15,000.0	7,740.0	7,349.2	7,179.4	125.0	29.8	-74.60	-62.8	1,587.2	7,217.0	7,152.1	64.98	111.069		
15,100.0	7,740.0	7,349.2	7,179.4	126.7	29.8	-74.60	-62.8	1,587.2	7,312.7	7,247.6	65.11	112.315		
15,200.0	7,740.0	7,349.2	7,179.4	128.4	29.8	-74.60	-62.8	1,587.2	7,408.5	7,343.3	65.24	113.560		
15,300.0	7,740.0	7,349.2	7,179.4	130.2	29.8	-74.60	-62.8	1,587.2	7,504.4	7,439.1	65.37	114.805		
15,400.0	7,740.0	7,349.2	7,179.4	131.9	29.8	-74.60	-62.8	1,587.2	7,600.4	7,535.0	65.49	116.049		
15,500.0	7,740.0	7,349.2	7,179.4	133.7	29.8	-74.60	-62.8	1,587.2	7,696.6	7,630.9	65.62	117.294		
15,600.0	7,740.0	7,349.2	7,179.4	135.4	29.8	-74.60	-62.8	1,587.2	7,792.8	7,727.0	65.74	118.537		
15,700.0	7,740.0	7,349.2	7,179.4	137.2	29.8	-74.60	-62.8	1,587.2	7,889.1	7,823.2	65.86	119.780		
15,800.0	7,740.0	7,349.2	7,179.4	138.9	29.8	-74.60	-62.8	1,587.2	7,985.5	7,919.5	65.98	121.022		
15,900.0	7,740.0	7,349.2	7,179.4	140.6	29.8	-74.60	-62.8	1,587.2	8,082.0	8,015.9	66.10	122.263		
15,949.8	7,740.0	7,349.2	7,179.4	141.5	29.8	-74.60	-62.8	1,587.2	8,130.0	8,063.9	66.16	122.880		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2H-7H-E168 - Hz - Plan #4													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	90.40	-0.7	105.0	105.0					
100.0	100.0	100.0	100.0	0.2	0.2	90.40	-0.7	105.0	105.0	104.7	0.30	345.609		
200.0	200.0	200.0	200.0	0.3	0.3	90.40	-0.7	105.0	105.0	104.3	0.65	160.792 CC, ES		
300.0	300.0	298.2	298.2	0.5	0.5	129.71	-0.8	105.8	106.4	105.4	1.00	106.466		
400.0	400.0	396.2	396.2	0.7	0.7	130.72	-0.8	108.3	110.6	109.3	1.35	82.110		
500.0	499.9	494.0	493.8	0.9	0.9	132.24	-1.0	112.5	117.8	116.1	1.70	69.345		
600.0	599.7	591.3	591.0	1.1	1.1	134.08	-1.1	118.3	127.9	125.9	2.05	62.293		
700.0	699.4	688.0	687.4	1.3	1.3	136.04	-1.4	125.7	141.1	138.7	2.41	58.485		
760.9	760.0	746.6	745.8	1.4	1.4	137.22	-1.5	131.0	150.7	148.0	2.63	57.220		
800.0	798.9	784.1	783.1	1.5	1.5	137.98	-1.6	134.7	157.3	154.5	2.77	56.702		
900.0	898.4	879.5	877.9	1.7	1.7	139.60	-2.0	145.2	175.5	172.4	3.13	55.992		
1,000.0	998.0	974.4	972.1	2.0	2.0	140.82	-2.3	157.2	195.4	191.9	3.49	55.929 SF		
1,100.0	1,097.5	1,068.7	1,065.4	2.2	2.2	141.74	-2.8	170.7	217.0	213.1	3.85	56.311		
1,200.0	1,197.0	1,162.3	1,157.8	2.5	2.5	142.41	-3.2	185.5	240.2	236.0	4.21	57.013		
1,300.0	1,296.5	1,255.1	1,249.2	2.7	2.9	142.88	-3.7	201.8	264.9	260.4	4.57	57.950		
1,400.0	1,396.0	1,347.3	1,339.6	2.9	3.2	143.21	-4.3	219.4	291.2	286.3	4.93	59.066		
1,500.0	1,495.6	1,438.6	1,429.0	3.2	3.6	143.42	-4.9	238.2	319.0	313.7	5.29	60.321		
1,600.0	1,595.1	1,529.1	1,517.2	3.4	3.9	143.54	-5.5	258.3	348.3	342.6	5.65	61.689		
1,700.0	1,694.6	1,618.7	1,604.2	3.7	4.3	143.58	-6.1	279.6	379.0	373.0	6.00	63.148		
1,800.0	1,794.1	1,707.4	1,690.1	3.9	4.8	143.58	-6.8	302.0	411.2	404.8	6.36	64.683		
1,900.0	1,893.7	1,795.2	1,774.7	4.1	5.2	143.53	-7.6	325.5	444.8	438.1	6.71	66.282		
2,000.0	1,993.2	1,882.1	1,858.0	4.4	5.7	143.45	-8.3	350.0	479.8	472.7	7.06	67.935		
2,100.0	2,092.7	1,968.0	1,940.1	4.6	6.1	143.34	-9.1	375.4	516.1	508.7	7.41	69.637		
2,200.0	2,192.2	2,052.9	2,020.7	4.9	6.6	143.22	-9.9	401.8	553.8	546.1	7.76	71.389		
2,300.0	2,291.7	2,144.9	2,108.0	5.1	7.2	143.09	-10.8	431.1	592.2	584.1	8.14	72.756		
2,400.0	2,391.3	2,237.2	2,195.5	5.4	7.7	142.97	-11.8	460.5	630.7	622.1	8.52	73.988		
2,500.0	2,490.8	2,329.6	2,283.1	5.6	8.3	142.86	-12.7	489.8	669.1	660.2	8.91	75.112		
2,600.0	2,590.3	2,421.9	2,370.6	5.8	8.8	142.77	-13.6	519.2	707.5	698.2	9.29	76.141		
2,700.0	2,689.8	2,514.2	2,458.1	6.1	9.3	142.69	-14.5	548.5	745.9	736.3	9.68	77.087		
2,800.0	2,789.3	2,606.5	2,545.6	6.3	9.9	142.61	-15.4	577.9	784.4	774.3	10.06	77.960		
2,900.0	2,888.9	2,698.8	2,633.1	6.6	10.5	142.54	-16.3	607.3	822.8	812.3	10.45	78.767		
3,000.0	2,988.4	2,791.2	2,720.6	6.8	11.0	142.48	-17.2	636.6	861.2	850.4	10.83	79.517		
3,100.0	3,087.9	2,883.5	2,808.2	7.1	11.6	142.42	-18.1	666.0	899.7	888.4	11.22	80.214		
3,200.0	3,187.4	2,975.8	2,895.7	7.3	12.1	142.37	-19.0	695.4	938.1	926.5	11.60	80.864		
3,300.0	3,286.9	3,068.1	2,983.2	7.5	12.7	142.32	-20.0	724.7	976.5	964.5	11.99	81.472		
3,400.0	3,386.5	3,160.4	3,070.7	7.8	13.2	142.28	-20.9	754.1	1,014.9	1,002.6	12.37	82.041		
3,500.0	3,486.0	3,252.7	3,158.2	8.0	13.8	142.24	-21.8	783.5	1,053.4	1,040.6	12.76	82.576		
3,600.0	3,585.5	3,345.1	3,245.8	8.3	14.3	142.20	-22.7	812.8	1,091.8	1,078.7	13.14	83.079		
3,700.0	3,685.0	3,437.4	3,333.3	8.5	14.9	142.16	-23.6	842.2	1,130.2	1,116.7	13.53	83.553		
3,800.0	3,784.6	3,529.7	3,420.8	8.8	15.5	142.13	-24.5	871.6	1,168.7	1,154.8	13.91	84.001		
3,900.0	3,884.1	3,622.0	3,508.3	9.0	16.0	142.10	-25.4	900.9	1,207.1	1,192.8	14.30	84.424		
4,000.0	3,983.6	3,714.3	3,595.8	9.3	16.6	142.07	-26.3	930.3	1,245.5	1,230.9	14.68	84.825		
4,100.0	4,083.1	3,806.6	3,683.3	9.5	17.1	142.04	-27.2	959.7	1,284.0	1,268.9	15.07	85.204		
4,200.0	4,182.6	3,899.0	3,770.9	9.7	17.7	142.01	-28.2	989.0	1,322.4	1,307.0	15.45	85.565		
4,300.0	4,282.2	3,991.3	3,858.4	10.0	18.2	141.99	-29.1	1,018.4	1,360.8	1,345.0	15.84	85.908		
4,400.0	4,381.7	4,083.6	3,945.9	10.2	18.8	141.97	-30.0	1,047.8	1,399.3	1,383.1	16.23	86.235		
4,500.0	4,481.2	4,175.9	4,033.4	10.5	19.4	141.94	-30.9	1,077.1	1,437.7	1,421.1	16.61	86.546		
4,600.0	4,580.7	4,268.2	4,120.9	10.7	19.9	141.92	-31.8	1,106.5	1,476.1	1,459.1	17.00	86.843		
4,700.0	4,680.2	4,360.6	4,208.4	11.0	20.5	141.90	-32.7	1,135.8	1,514.6	1,497.2	17.38	87.127		
4,800.0	4,779.8	4,452.9	4,296.0	11.2	21.0	141.88	-33.6	1,165.2	1,553.0	1,535.2	17.77	87.398		
4,900.0	4,879.3	4,545.2	4,383.5	11.4	21.6	141.87	-34.5	1,194.6	1,591.5	1,573.3	18.16	87.658		
5,000.0	4,978.8	4,637.5	4,471.0	11.7	22.2	141.85	-35.4	1,223.9	1,629.9	1,611.3	18.54	87.907		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2H-7H-E168 - Hz - Plan #4											Offset Site Error: 0.0 ft		
Survey Program: O-Geolink MWD											Offset Well Error: 0.0 ft		
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,100.0	5,078.3	4,729.8	4,558.5	11.9	22.7	141.83	-36.4	1,253.3	1,668.3	1,649.4	18.93	88.145	
5,200.0	5,177.9	4,822.1	4,646.0	12.2	23.3	141.82	-37.3	1,282.7	1,706.8	1,687.4	19.31	88.374	
5,300.0	5,277.4	4,914.5	4,733.6	12.4	23.8	141.80	-38.2	1,312.0	1,745.2	1,725.5	19.70	88.594	
5,400.0	5,376.9	5,006.8	4,821.1	12.7	24.4	141.79	-39.1	1,341.4	1,783.6	1,763.5	20.08	88.805	
5,500.0	5,476.4	5,099.1	4,908.6	12.9	25.0	141.77	-40.0	1,370.8	1,822.1	1,801.6	20.47	89.009	
5,600.0	5,575.9	5,191.4	4,996.1	13.2	25.5	141.76	-40.9	1,400.1	1,860.5	1,839.6	20.86	89.204	
5,700.0	5,675.5	5,283.7	5,083.6	13.4	26.1	141.75	-41.8	1,429.5	1,898.9	1,877.7	21.24	89.393	
5,800.0	5,775.0	5,376.0	5,171.1	13.6	26.6	141.74	-42.7	1,458.9	1,937.4	1,915.7	21.63	89.575	
5,900.0	5,874.5	5,468.4	5,258.7	13.9	27.2	141.73	-43.6	1,488.2	1,975.8	1,953.8	22.01	89.750	
6,000.0	5,974.0	5,560.7	5,346.2	14.1	27.8	141.71	-44.6	1,517.6	2,014.2	1,991.8	22.40	89.920	
6,100.0	6,073.5	5,653.0	5,433.7	14.4	28.3	141.70	-45.5	1,547.0	2,052.7	2,029.9	22.79	90.083	
6,200.0	6,173.1	5,745.3	5,521.2	14.6	28.9	141.69	-46.4	1,576.3	2,091.1	2,067.9	23.17	90.241	
6,300.0	6,272.6	5,837.6	5,608.7	14.9	29.4	141.68	-47.3	1,605.7	2,129.6	2,106.0	23.56	90.394	
6,400.0	6,372.1	5,929.9	5,696.3	15.1	30.0	141.67	-48.2	1,635.1	2,168.0	2,144.0	23.94	90.542	
6,500.0	6,471.6	6,022.3	5,783.8	15.4	30.6	141.66	-49.1	1,664.4	2,206.4	2,182.1	24.33	90.685	
6,600.0	6,571.1	6,114.6	5,871.3	15.6	31.1	141.66	-50.0	1,693.8	2,244.9	2,220.1	24.72	90.824	
6,700.0	6,670.7	6,206.9	5,958.8	15.8	31.7	141.65	-50.9	1,723.1	2,283.3	2,258.2	25.10	90.958	
6,800.0	6,770.2	6,299.2	6,046.3	16.1	32.2	141.64	-51.8	1,752.5	2,321.7	2,296.3	25.49	91.088	
6,900.0	6,869.7	6,391.5	6,133.8	16.3	32.8	141.63	-52.8	1,781.9	2,360.2	2,334.3	25.87	91.215	
7,000.0	6,969.2	6,483.9	6,221.4	16.6	33.4	141.62	-53.7	1,811.2	2,398.6	2,372.4	26.26	91.337	
7,100.0	7,068.8	6,576.2	6,308.9	16.8	33.9	141.62	-54.6	1,840.6	2,437.0	2,410.4	26.65	91.456	
7,156.2	7,124.7	6,628.0	6,358.1	17.0	34.2	141.61	-55.1	1,857.1	2,458.6	2,431.8	26.86	91.522	
7,200.0	7,168.4	6,668.6	6,396.5	17.0	34.5	-165.42	-55.5	1,870.0	2,475.1	2,448.1	27.00	91.672	
7,250.0	7,218.2	6,714.9	6,440.4	17.1	34.8	-109.28	-56.0	1,884.7	2,493.0	2,465.9	27.10	91.979	
7,300.0	7,267.7	6,760.9	6,484.0	17.1	35.0	-92.15	-56.4	1,899.4	2,509.8	2,482.7	27.16	92.416	
7,350.0	7,316.4	6,806.2	6,526.9	17.1	35.3	-84.78	-56.9	1,913.8	2,525.4	2,498.3	27.16	92.975	
7,400.0	7,363.9	6,850.5	6,568.9	17.0	35.6	-80.58	-57.3	1,927.9	2,539.8	2,512.7	27.12	93.642	
7,450.0	7,410.0	6,893.5	6,609.7	16.9	35.9	-77.83	-57.7	1,941.5	2,553.0	2,525.9	27.04	94.405	
7,500.0	7,454.3	6,934.8	6,648.8	16.8	36.1	-75.92	-58.1	1,954.7	2,564.9	2,537.9	26.93	95.245	
7,550.0	7,496.3	6,974.1	6,686.1	16.7	36.3	-74.54	-58.5	1,967.2	2,575.5	2,548.7	26.79	96.140	
7,600.0	7,535.9	7,011.1	6,721.2	16.5	36.6	-73.54	-58.9	1,979.0	2,585.0	2,558.3	26.63	97.063	
7,650.0	7,572.7	7,045.6	6,753.9	16.4	36.8	-72.82	-59.2	1,989.9	2,593.2	2,566.8	26.47	97.983	
7,700.0	7,606.4	7,077.2	6,783.9	16.3	37.0	-72.31	-59.5	2,000.0	2,600.4	2,574.1	26.30	98.864	
7,750.0	7,636.7	7,105.8	6,811.0	16.2	37.1	-71.96	-59.8	2,009.1	2,606.5	2,580.4	26.15	99.664	
7,800.0	7,663.5	7,131.1	6,834.9	16.1	37.3	-71.73	-60.1	2,017.1	2,611.7	2,585.7	26.03	100.342	
7,850.0	7,686.5	7,152.9	6,855.6	16.0	37.4	-71.58	-60.3	2,024.1	2,615.9	2,590.0	25.94	100.856	
7,900.0	7,705.6	7,171.1	6,872.8	16.0	37.5	-71.50	-60.5	2,029.8	2,619.3	2,593.4	25.89	101.166	
7,950.0	7,720.6	7,185.4	6,886.5	16.0	37.6	-71.46	-60.6	2,034.4	2,621.9	2,596.0	25.90	101.240	
8,000.0	7,731.4	7,195.9	6,896.4	16.0	37.7	-71.45	-60.7	2,037.7	2,623.7	2,597.7	25.96	101.057	
8,050.0	7,737.8	7,202.4	6,902.6	16.1	37.7	-71.45	-60.8	2,039.8	2,624.8	2,598.7	26.09	100.608	
8,099.8	7,740.0	7,204.9	6,905.0	16.2	37.7	-71.45	-60.8	2,040.6	2,625.2	2,598.9	26.28	99.901	
8,200.0	7,740.0	7,205.9	6,905.9	16.6	37.7	-71.47	-60.8	2,040.9	2,627.2	2,600.4	26.85	97.835	
8,300.0	7,740.0	7,206.9	6,906.8	17.2	37.8	-71.50	-60.8	2,041.2	2,633.0	2,605.4	27.68	95.131	
8,400.0	7,740.0	7,207.9	6,907.8	17.9	37.8	-71.52	-60.8	2,041.5	2,642.7	2,613.9	28.72	92.004	
8,500.0	7,740.0	7,208.9	6,908.7	18.8	37.8	-71.54	-60.8	2,041.9	2,656.0	2,626.0	29.95	88.669	
8,600.0	7,740.0	7,209.9	6,909.6	19.8	37.8	-71.56	-60.8	2,042.2	2,673.0	2,641.7	31.33	85.305	
8,700.0	7,740.0	7,210.9	6,910.6	20.9	37.8	-71.58	-60.8	2,042.5	2,693.6	2,660.8	32.83	82.047	
8,800.0	7,740.0	7,211.8	6,911.5	22.0	37.8	-71.60	-60.9	2,042.8	2,717.8	2,683.4	34.41	78.986	
8,900.0	7,740.0	7,212.8	6,912.4	23.3	37.8	-71.62	-60.9	2,043.1	2,745.3	2,709.3	36.04	76.175	
9,000.0	7,740.0	7,213.8	6,913.4	24.6	37.8	-71.65	-60.9	2,043.4	2,776.2	2,738.5	37.70	73.638	
9,100.0	7,740.0	7,214.8	6,914.3	25.9	37.8	-71.67	-60.9	2,043.7	2,810.4	2,771.0	39.37	71.382	
9,200.0	7,740.0	7,215.8	6,915.2	27.3	37.8	-71.69	-60.9	2,044.1	2,847.6	2,806.6	41.03	69.399	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2H-7H-E168 - Hz - Plan #4													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		
9,300.0	7,740.0	7,216.8	6,916.2	28.8	37.8	-71.71	-60.9	2,044.4	2,887.8	2,845.1	42.67	67.674		
9,400.0	7,740.0	7,217.8	6,917.1	30.3	37.8	-71.73	-60.9	2,044.7	2,930.9	2,886.6	44.28	66.191		
9,500.0	7,740.0	7,218.8	6,918.1	31.8	37.8	-71.75	-60.9	2,045.0	2,976.7	2,930.9	45.85	64.929		
9,600.0	7,740.0	7,219.7	6,919.0	33.3	37.8	-71.78	-60.9	2,045.3	3,025.1	2,977.8	47.36	63.869		
9,700.0	7,740.0	7,220.7	6,919.9	34.8	37.8	-71.80	-60.9	2,045.6	3,076.0	3,027.2	48.83	62.993		
9,800.0	7,740.0	7,221.7	6,920.9	36.4	37.8	-71.82	-61.0	2,045.9	3,129.3	3,079.1	50.24	62.282		
9,900.0	7,740.0	7,222.7	6,921.8	38.0	37.9	-71.84	-61.0	2,046.3	3,184.9	3,133.3	51.60	61.720		
10,000.0	7,740.0	7,223.7	6,922.7	39.6	37.9	-71.86	-61.0	2,046.6	3,242.5	3,189.6	52.90	61.294		
10,100.0	7,740.0	7,224.7	6,923.7	41.2	37.9	-71.88	-61.0	2,046.9	3,302.2	3,248.1	54.14	60.989		
10,200.0	7,740.0	7,225.7	6,924.6	42.8	37.9	-71.90	-61.0	2,047.2	3,363.8	3,308.5	55.33	60.795		
10,300.0	7,740.0	7,226.7	6,925.5	44.5	37.9	-71.93	-61.0	2,047.5	3,427.2	3,370.8	56.46	60.699		
10,400.0	7,740.0	7,227.6	6,926.5	46.1	37.9	-71.95	-61.0	2,047.8	3,492.3	3,434.8	57.54	60.694		
10,500.0	7,740.0	7,228.6	6,927.4	47.8	37.9	-71.97	-61.0	2,048.1	3,559.1	3,500.5	58.57	60.770		
10,600.0	7,740.0	7,229.6	6,928.3	49.4	37.9	-71.99	-61.0	2,048.5	3,627.3	3,567.8	59.54	60.920		
10,700.0	7,740.0	7,230.6	6,929.3	51.1	37.9	-72.01	-61.0	2,048.8	3,697.1	3,636.6	60.47	61.137		
10,800.0	7,740.0	7,231.6	6,930.2	52.7	37.9	-72.03	-61.1	2,049.1	3,768.1	3,706.8	61.35	61.416		
10,900.0	7,740.0	7,232.6	6,931.2	54.4	37.9	-72.06	-61.1	2,049.4	3,840.5	3,778.3	62.19	61.750		
11,000.0	7,740.0	7,233.6	6,932.1	56.1	37.9	-72.08	-61.1	2,049.7	3,914.1	3,851.1	62.99	62.135		
11,100.0	7,740.0	7,234.5	6,933.0	57.8	37.9	-72.10	-61.1	2,050.0	3,988.8	3,925.1	63.75	62.566		
11,200.0	7,740.0	7,235.5	6,934.0	59.5	37.9	-72.12	-61.1	2,050.3	4,064.6	4,000.2	64.48	63.041		
11,300.0	7,740.0	7,236.1	6,934.5	61.2	37.9	-72.13	-61.1	2,050.5	4,141.5	4,076.3	65.16	63.558		
11,400.0	7,740.0	7,236.1	6,934.5	62.9	37.9	-72.13	-61.1	2,050.5	4,219.3	4,153.5	65.81	64.116		
11,500.0	7,740.0	7,236.1	6,934.5	64.6	37.9	-72.13	-61.1	2,050.5	4,298.0	4,231.6	66.42	64.708		
11,600.0	7,740.0	7,236.1	6,934.5	66.3	37.9	-72.13	-61.1	2,050.5	4,377.6	4,310.6	67.01	65.330		
11,700.0	7,740.0	7,236.1	6,934.5	68.0	37.9	-72.13	-61.1	2,050.5	4,458.1	4,390.5	67.57	65.980		
11,800.0	7,740.0	7,236.1	6,934.5	69.7	37.9	-72.13	-61.1	2,050.5	4,539.3	4,471.2	68.10	66.657		
11,900.0	7,740.0	7,236.1	6,934.5	71.4	37.9	-72.13	-61.1	2,050.5	4,621.2	4,552.6	68.61	67.357		
12,000.0	7,740.0	7,236.1	6,934.5	73.1	37.9	-72.13	-61.1	2,050.5	4,703.8	4,634.8	69.09	68.080		
12,100.0	7,740.0	7,236.1	6,934.5	74.8	37.9	-72.13	-61.1	2,050.5	4,787.1	4,717.6	69.56	68.824		
12,200.0	7,740.0	7,236.1	6,934.5	76.5	37.9	-72.13	-61.1	2,050.5	4,871.1	4,801.1	70.00	69.587		
12,300.0	7,740.0	7,236.1	6,934.5	78.2	37.9	-72.13	-61.1	2,050.5	4,955.6	4,885.2	70.42	70.368		
12,400.0	7,740.0	7,236.1	6,934.5	79.9	37.9	-72.13	-61.1	2,050.5	5,040.7	4,969.9	70.83	71.166		
12,500.0	7,740.0	7,236.1	6,934.5	81.7	37.9	-72.13	-61.1	2,050.5	5,126.3	5,055.1	71.22	71.979		
12,600.0	7,740.0	7,236.1	6,934.5	83.4	37.9	-72.13	-61.1	2,050.5	5,212.5	5,140.9	71.59	72.807		
12,700.0	7,740.0	7,236.1	6,934.5	85.1	37.9	-72.13	-61.1	2,050.5	5,299.1	5,227.1	71.95	73.648		
12,800.0	7,740.0	7,236.1	6,934.5	86.8	37.9	-72.13	-61.1	2,050.5	5,386.2	5,313.9	72.30	74.501		
12,900.0	7,740.0	7,236.1	6,934.5	88.6	37.9	-72.13	-61.1	2,050.5	5,473.7	5,401.1	72.63	75.366		
13,000.0	7,740.0	7,236.1	6,934.5	90.3	37.9	-72.13	-61.1	2,050.5	5,561.7	5,488.7	72.95	76.242		
13,100.0	7,740.0	7,236.1	6,934.5	92.0	37.9	-72.13	-61.1	2,050.5	5,650.0	5,576.8	73.25	77.128		
13,200.0	7,740.0	7,236.1	6,934.5	93.7	37.9	-72.13	-61.1	2,050.5	5,738.8	5,665.2	73.55	78.024		
13,300.0	7,740.0	7,236.1	6,934.5	95.5	37.9	-72.13	-61.1	2,050.5	5,827.9	5,754.0	73.84	78.928		
13,400.0	7,740.0	7,236.1	6,934.5	97.2	37.9	-72.13	-61.1	2,050.5	5,917.3	5,843.2	74.11	79.841		
13,500.0	7,740.0	7,236.1	6,934.5	98.9	37.9	-72.13	-61.1	2,050.5	6,007.1	5,932.7	74.38	80.762		
13,600.0	7,740.0	7,236.1	6,934.5	100.7	37.9	-72.13	-61.1	2,050.5	6,097.2	6,022.6	74.64	81.690		
13,700.0	7,740.0	7,236.1	6,934.5	102.4	37.9	-72.13	-61.1	2,050.5	6,187.6	6,112.7	74.89	82.624		
13,800.0	7,740.0	7,236.1	6,934.5	104.1	37.9	-72.13	-61.1	2,050.5	6,278.3	6,203.2	75.13	83.565		
13,900.0	7,740.0	7,236.1	6,934.5	105.9	37.9	-72.13	-61.1	2,050.5	6,369.3	6,293.9	75.37	84.512		
14,000.0	7,740.0	7,236.1	6,934.5	107.6	37.9	-72.13	-61.1	2,050.5	6,460.5	6,384.9	75.59	85.464		
14,100.0	7,740.0	7,236.1	6,934.5	109.3	37.9	-72.13	-61.1	2,050.5	6,552.0	6,476.2	75.81	86.422		
14,200.0	7,740.0	7,236.1	6,934.5	111.1	37.9	-72.13	-61.1	2,050.5	6,643.8	6,567.7	76.03	87.384		
14,300.0	7,740.0	7,236.1	6,934.5	112.8	37.9	-72.13	-61.1	2,050.5	6,735.7	6,659.5	76.24	88.351		
14,400.0	7,740.0	7,236.1	6,934.5	114.5	37.9	-72.13	-61.1	2,050.5	6,827.9	6,751.5	76.44	89.322		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Becky 2H-7H-E168 - Hz - Plan #4										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
14,500.0	7,740.0	7,236.1	6,934.5	116.3	37.9	-72.13	-61.1	2,050.5	6,920.4	6,843.7	76.64	90.297	
14,600.0	7,740.0	7,236.1	6,934.5	118.0	37.9	-72.13	-61.1	2,050.5	7,013.0	6,936.1	76.83	91.276	
14,700.0	7,740.0	7,236.1	6,934.5	119.7	37.9	-72.13	-61.1	2,050.5	7,105.8	7,028.8	77.02	92.258	
14,800.0	7,740.0	7,236.1	6,934.5	121.5	37.9	-72.13	-61.1	2,050.5	7,198.8	7,121.6	77.21	93.243	
14,900.0	7,740.0	7,236.1	6,934.5	123.2	37.9	-72.13	-61.1	2,050.5	7,292.0	7,214.6	77.38	94.231	
15,000.0	7,740.0	7,236.1	6,934.5	125.0	37.9	-72.13	-61.1	2,050.5	7,385.4	7,307.9	77.56	95.222	
15,100.0	7,740.0	7,236.1	6,934.5	126.7	37.9	-72.13	-61.1	2,050.5	7,479.0	7,401.2	77.73	96.215	
15,200.0	7,740.0	7,236.1	6,934.5	128.4	37.9	-72.13	-61.1	2,050.5	7,572.7	7,494.8	77.90	97.211	
15,300.0	7,740.0	7,236.1	6,934.5	130.2	37.9	-72.13	-61.1	2,050.5	7,666.6	7,588.5	78.06	98.209	
15,400.0	7,740.0	7,236.1	6,934.5	131.9	37.9	-72.13	-61.1	2,050.5	7,760.6	7,682.4	78.23	99.208	
15,500.0	7,740.0	7,236.1	6,934.5	133.7	37.9	-72.13	-61.1	2,050.5	7,854.8	7,776.4	78.38	100.210	
15,600.0	7,740.0	7,236.1	6,934.5	135.4	37.9	-72.13	-61.1	2,050.5	7,949.1	7,870.5	78.54	101.213	
15,700.0	7,740.0	7,236.1	6,934.5	137.2	37.9	-72.13	-61.1	2,050.5	8,043.5	7,964.9	78.69	102.218	
15,800.0	7,740.0	7,236.1	6,934.5	138.9	37.9	-72.13	-61.1	2,050.5	8,138.1	8,059.3	78.84	103.225	
15,900.0	7,740.0	7,236.1	6,934.5	140.6	37.9	-72.13	-61.1	2,050.5	8,232.8	8,153.9	78.99	104.232	
15,949.8	7,740.0	7,236.1	6,934.5	141.5	37.9	-72.13	-61.1	2,050.5	8,280.0	8,201.0	79.06	104.734	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2B-7H-E168 - HZ - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	89.97	0.0	7.6	7.6					
100.0	100.0	100.0	100.0	0.2	0.2	89.97	0.0	7.6	7.6	7.3	0.30	24.883		
200.0	200.0	200.0	200.0	0.3	0.3	89.97	0.0	7.6	7.6	6.9	0.65	11.577 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	133.71	0.0	7.6	8.1	7.1	1.00	8.115		
400.0	400.0	400.1	400.1	0.7	0.7	141.47	0.7	7.0	9.4	8.1	1.35	6.954		
500.0	499.9	500.2	500.2	0.9	0.9	147.44	2.7	5.3	10.8	9.1	1.71	6.330		
600.0	599.7	600.4	600.2	1.1	1.0	152.13	6.0	2.5	12.3	10.2	2.06	5.951		
700.0	699.4	700.6	700.3	1.3	1.2	155.92	10.7	-1.4	13.8	11.4	2.42	5.701		
760.9	760.0	761.5	761.0	1.4	1.4	158.34	14.0	-4.2	15.0	12.4	2.63	5.708		
800.0	798.9	800.5	800.0	1.5	1.4	159.96	16.1	-5.9	16.0	13.3	2.77	5.790		
900.0	898.4	900.5	899.7	1.7	1.6	163.28	21.4	-10.4	18.7	15.5	3.12	5.983		
1,000.0	998.0	1,000.5	999.4	2.0	1.8	165.78	26.8	-14.9	21.3	17.9	3.47	6.152		
1,100.0	1,097.5	1,100.4	1,099.1	2.2	2.1	167.71	32.1	-19.4	24.0	20.2	3.82	6.300		
1,200.0	1,197.0	1,200.4	1,198.8	2.5	2.3	169.26	37.4	-23.9	26.8	22.6	4.16	6.429		
1,300.0	1,296.5	1,300.3	1,298.5	2.7	2.5	168.83	43.4	-27.7	29.6	25.1	4.52	6.549		
1,400.0	1,396.0	1,400.1	1,398.1	2.9	2.7	165.45	50.5	-30.2	32.7	27.8	4.91	6.674		
1,500.0	1,495.6	1,500.0	1,497.5	3.2	2.9	160.29	58.6	-31.7	36.3	31.0	5.33	6.823		
1,600.0	1,595.1	1,599.8	1,597.1	3.4	3.1	155.77	67.0	-32.9	40.3	34.5	5.77	6.981		
1,700.0	1,694.6	1,699.7	1,696.6	3.7	3.3	152.07	75.3	-34.2	44.4	38.2	6.22	7.139		
1,800.0	1,794.1	1,799.6	1,796.1	3.9	3.6	149.01	83.6	-35.4	48.7	42.0	6.68	7.291		
1,900.0	1,893.7	1,899.5	1,895.6	4.1	3.8	146.45	92.0	-36.7	53.1	45.9	7.14	7.437		
2,000.0	1,993.2	1,999.3	1,995.1	4.4	4.0	144.28	100.3	-37.9	57.6	50.0	7.60	7.576		
2,100.0	2,092.7	2,099.2	2,094.7	4.6	4.2	142.44	108.6	-39.2	62.1	54.1	8.06	7.706		
2,200.0	2,192.2	2,199.1	2,194.2	4.9	4.4	140.84	116.9	-40.4	66.7	58.2	8.52	7.829		
2,300.0	2,291.7	2,299.0	2,293.7	5.1	4.7	139.45	125.3	-41.7	71.4	62.4	8.99	7.944		
2,400.0	2,391.3	2,398.9	2,393.2	5.4	4.9	138.23	133.6	-42.9	76.1	66.7	9.45	8.052		
2,500.0	2,490.8	2,498.7	2,492.8	5.6	5.1	137.16	141.9	-44.1	80.8	70.9	9.91	8.154		
2,600.0	2,590.3	2,598.6	2,592.3	5.8	5.3	136.20	150.2	-45.4	85.6	75.2	10.38	8.249		
2,700.0	2,689.8	2,698.5	2,691.8	6.1	5.6	135.35	158.6	-46.6	90.4	79.5	10.84	8.338		
2,800.0	2,789.3	2,798.4	2,791.3	6.3	5.8	134.58	166.9	-47.9	95.1	83.8	11.30	8.421		
2,900.0	2,888.9	2,898.2	2,890.8	6.6	6.0	133.88	175.2	-49.1	100.0	88.2	11.76	8.500		
3,000.0	2,988.4	2,998.1	2,990.4	6.8	6.2	133.25	183.6	-50.4	104.8	92.6	12.22	8.574		
3,100.0	3,087.9	3,098.0	3,089.9	7.1	6.5	132.68	191.9	-51.6	109.6	96.9	12.68	8.644		
3,200.0	3,187.4	3,197.9	3,189.4	7.3	6.7	132.15	200.2	-52.9	114.5	101.3	13.14	8.710		
3,300.0	3,286.9	3,297.8	3,288.9	7.5	6.9	131.66	208.5	-54.1	119.3	105.7	13.60	8.772		
3,400.0	3,386.5	3,397.6	3,388.4	7.8	7.1	131.22	216.9	-55.4	124.2	110.1	14.06	8.831		
3,500.0	3,486.0	3,497.5	3,488.0	8.0	7.4	130.80	225.2	-56.6	129.0	114.5	14.52	8.886		
3,600.0	3,585.5	3,597.4	3,587.5	8.3	7.6	130.42	233.5	-57.9	133.9	118.9	14.98	8.939		
3,700.0	3,685.0	3,697.3	3,687.0	8.5	7.8	130.06	241.9	-59.1	138.8	123.3	15.44	8.989		
3,800.0	3,784.6	3,797.1	3,786.5	8.8	8.0	129.73	250.2	-60.4	143.7	127.8	15.90	9.037		
3,900.0	3,884.1	3,897.0	3,886.1	9.0	8.3	129.42	258.5	-61.6	148.5	132.2	16.36	9.082		
4,000.0	3,983.6	3,996.9	3,985.6	9.3	8.5	129.13	266.8	-62.9	153.4	136.6	16.81	9.126		
4,100.0	4,083.1	4,096.8	4,085.1	9.5	8.7	128.86	275.2	-64.1	158.3	141.1	17.27	9.167		
4,200.0	4,182.6	4,196.6	4,184.6	9.7	9.0	128.60	283.5	-65.4	163.2	145.5	17.73	9.206		
4,300.0	4,282.2	4,296.5	4,284.1	10.0	9.2	128.36	291.8	-66.6	168.1	149.9	18.19	9.244		
4,400.0	4,381.7	4,396.4	4,383.7	10.2	9.4	128.14	300.1	-67.9	173.0	154.4	18.65	9.279		
4,500.0	4,481.2	4,496.3	4,483.2	10.5	9.6	127.92	308.5	-69.1	177.9	158.8	19.11	9.314		
4,600.0	4,580.7	4,596.2	4,582.7	10.7	9.9	127.72	316.8	-70.3	182.9	163.3	19.56	9.347		
4,700.0	4,680.2	4,696.0	4,682.2	11.0	10.1	127.53	325.1	-71.6	187.8	167.7	20.02	9.378		
4,800.0	4,779.8	4,795.9	4,781.8	11.2	10.3	127.34	333.5	-72.8	192.7	172.2	20.48	9.409		
4,900.0	4,879.3	4,895.8	4,881.3	11.4	10.5	127.17	341.8	-74.1	197.6	176.7	20.94	9.438		
5,000.0	4,978.8	4,995.7	4,980.8	11.7	10.8	127.00	350.1	-75.3	202.5	181.1	21.39	9.466		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2B-7H-E168 - HZ - Plan #3													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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,078.3	5,095.5	5,080.3	11.9	11.0	126.85	358.4	-76.6	207.4	185.6	21.85	9.493		
5,200.0	5,177.9	5,195.4	5,179.8	12.2	11.2	126.70	366.8	-77.8	212.4	190.0	22.31	9.518		
5,300.0	5,277.4	5,295.3	5,279.4	12.4	11.5	126.55	375.1	-79.1	217.3	194.5	22.77	9.543		
5,400.0	5,376.9	5,395.2	5,378.9	12.7	11.7	126.42	383.4	-80.3	222.2	199.0	23.23	9.567		
5,500.0	5,476.4	5,495.1	5,478.4	12.9	11.9	126.28	391.8	-81.6	227.1	203.4	23.68	9.590		
5,600.0	5,575.9	5,594.9	5,577.9	13.2	12.1	126.16	400.1	-82.8	232.0	207.9	24.14	9.613		
5,700.0	5,675.5	5,694.8	5,677.4	13.4	12.4	126.04	408.4	-84.1	237.0	212.4	24.60	9.634		
5,800.0	5,775.0	5,794.7	5,777.0	13.6	12.6	125.92	416.7	-85.3	241.9	216.8	25.05	9.655		
5,900.0	5,874.5	5,894.6	5,876.5	13.9	12.8	125.81	425.1	-86.6	246.8	221.3	25.51	9.675		
6,000.0	5,974.0	5,994.4	5,976.0	14.1	13.0	125.71	433.4	-87.8	251.8	225.8	25.97	9.695		
6,100.0	6,073.5	6,094.3	6,075.5	14.4	13.3	125.60	441.7	-89.1	256.7	230.3	26.43	9.714		
6,200.0	6,173.1	6,194.2	6,175.1	14.6	13.5	125.50	450.0	-90.3	261.6	234.7	26.88	9.732		
6,300.0	6,272.6	6,294.1	6,274.6	14.9	13.7	125.41	458.4	-91.6	266.6	239.2	27.34	9.750		
6,400.0	6,372.1	6,394.0	6,374.1	15.1	14.0	125.32	466.7	-92.8	271.5	243.7	27.80	9.767		
6,500.0	6,471.6	6,493.8	6,473.6	15.4	14.2	125.23	475.0	-94.1	276.4	248.2	28.25	9.783		
6,600.0	6,571.1	6,593.7	6,573.1	15.6	14.4	125.15	483.4	-95.3	281.4	252.6	28.71	9.799		
6,700.0	6,670.7	6,693.6	6,672.7	15.8	14.6	125.06	491.7	-96.6	286.3	257.1	29.17	9.815		
6,800.0	6,770.2	6,793.5	6,772.2	16.1	14.9	124.98	500.0	-97.8	291.2	261.6	29.63	9.830		
6,900.0	6,869.7	6,893.3	6,871.7	16.3	15.1	124.91	508.3	-99.0	296.2	266.1	30.08	9.845		
7,000.0	6,969.2	6,995.9	6,974.1	16.6	15.2	126.32	509.0	-100.3	300.7	270.4	30.30	9.922		
7,100.0	7,068.8	7,093.2	7,069.9	16.8	15.1	130.76	492.9	-101.5	305.4	275.4	30.04	10.167		
7,156.2	7,124.7	7,143.6	7,118.2	17.0	15.0	134.16	478.2	-102.1	309.6	279.8	29.70	10.421		
7,200.0	7,168.4	7,181.2	7,153.1	17.0	15.0	-171.42	464.5	-102.6	313.9	284.6	29.35	10.695		
7,250.0	7,218.2	7,223.0	7,190.9	17.1	14.8	-113.54	446.6	-103.0	319.9	291.0	28.90	11.068		
7,300.0	7,267.7	7,263.8	7,226.4	17.1	14.7	-94.62	426.6	-103.5	326.7	298.3	28.42	11.494		
7,350.0	7,316.4	7,300.0	7,256.7	17.1	14.6	-85.64	406.7	-103.9	334.2	306.2	27.94	11.962		
7,400.0	7,363.9	7,343.0	7,290.9	17.0	14.4	-79.43	380.6	-104.3	342.0	314.6	27.43	12.470		
7,450.0	7,410.0	7,381.5	7,319.8	16.9	14.3	-74.90	355.2	-104.7	350.2	323.2	26.94	12.999		
7,500.0	7,454.3	7,419.5	7,346.6	16.8	14.2	-71.25	328.2	-105.0	358.3	331.9	26.46	13.541		
7,550.0	7,496.3	7,457.0	7,371.2	16.7	14.0	-68.19	300.0	-105.3	366.4	340.4	26.01	14.085		
7,600.0	7,535.9	7,500.0	7,397.1	16.5	13.9	-65.41	265.7	-105.6	374.3	348.7	25.62	14.609		
7,650.0	7,572.7	7,530.7	7,413.9	16.4	13.8	-63.38	240.0	-105.8	381.7	356.4	25.23	15.129		
7,700.0	7,606.4	7,567.0	7,432.1	16.3	13.7	-61.48	208.6	-106.1	388.6	363.7	24.90	15.606		
7,750.0	7,636.7	7,600.0	7,446.8	16.2	13.7	-59.92	179.1	-106.3	395.0	370.3	24.61	16.051		
7,800.0	7,663.5	7,638.8	7,461.9	16.1	13.6	-58.50	143.4	-106.4	400.6	376.2	24.41	16.409		
7,850.0	7,686.5	7,674.3	7,473.6	16.0	13.6	-57.38	109.8	-106.6	405.5	381.2	24.27	16.712		
7,900.0	7,705.6	7,709.7	7,483.2	16.0	13.6	-56.48	75.7	-106.7	409.6	385.4	24.18	16.939		
7,950.0	7,720.6	7,750.0	7,491.5	16.0	13.7	-55.74	36.3	-106.8	412.9	388.7	24.20	17.062		
8,000.0	7,731.4	7,780.1	7,495.9	16.0	13.7	-55.29	6.5	-106.9	415.3	391.0	24.24	17.134		
8,050.0	7,737.8	7,815.2	7,499.0	16.1	13.8	-54.99	-28.4	-106.9	416.7	392.3	24.37	17.097		
8,099.8	7,740.0	7,850.7	7,500.0	16.2	13.9	-54.89	-63.9	-106.9	417.2	392.7	24.59	16.971		
8,200.0	7,740.0	7,950.9	7,500.0	16.6	14.4	-54.89	-164.1	-106.9	417.2	391.8	25.44	16.400		
8,300.0	7,740.0	8,050.9	7,500.0	17.2	15.0	-54.89	-264.1	-106.9	417.2	390.7	26.56	15.707		
8,400.0	7,740.0	8,150.9	7,500.0	17.9	15.9	-54.89	-364.1	-106.9	417.2	389.3	27.94	14.934		
8,500.0	7,740.0	8,250.9	7,500.0	18.8	16.8	-54.89	-464.1	-106.9	417.2	387.7	29.53	14.129		
8,600.0	7,740.0	8,350.9	7,500.0	19.8	17.9	-54.89	-564.1	-106.9	417.2	385.9	31.31	13.327		
8,700.0	7,740.0	8,450.9	7,500.0	20.9	19.1	-54.89	-664.1	-106.9	417.2	384.0	33.24	12.553		
8,800.0	7,740.0	8,550.9	7,500.0	22.0	20.4	-54.89	-764.1	-106.9	417.2	381.9	35.30	11.820		
8,900.0	7,740.0	8,650.9	7,500.0	23.3	21.7	-54.89	-864.1	-106.9	417.2	379.8	37.47	11.136		
9,000.0	7,740.0	8,750.9	7,500.0	24.6	23.1	-54.89	-964.1	-106.9	417.2	377.5	39.73	10.503		
9,100.0	7,740.0	8,850.9	7,500.0	25.9	24.5	-54.89	-1,064.1	-106.9	417.2	375.2	42.06	9.920		
9,200.0	7,740.0	8,950.9	7,500.0	27.3	26.0	-54.89	-1,164.1	-106.9	417.2	372.8	44.46	9.385		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2B-7H-E168 - HZ - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
9,300.0	7,740.0	9,050.9	7,500.0	28.8	27.5	-54.89	-1,264.1	-106.9	417.2	370.3	46.91	8.894		
9,400.0	7,740.0	9,150.9	7,500.0	30.3	29.1	-54.89	-1,364.1	-106.9	417.2	367.8	49.41	8.444		
9,500.0	7,740.0	9,250.9	7,500.0	31.8	30.6	-54.89	-1,464.1	-106.9	417.2	365.3	51.95	8.032		
9,600.0	7,740.0	9,350.9	7,500.0	33.3	32.2	-54.89	-1,564.1	-106.9	417.2	362.7	54.52	7.653		
9,700.0	7,740.0	9,450.9	7,500.0	34.8	33.8	-54.89	-1,664.1	-106.9	417.2	360.1	57.12	7.304		
9,800.0	7,740.0	9,550.9	7,500.0	36.4	35.4	-54.89	-1,764.1	-106.9	417.2	357.5	59.75	6.983		
9,900.0	7,740.0	9,650.9	7,500.0	38.0	37.0	-54.89	-1,864.1	-106.9	417.2	354.8	62.40	6.687		
10,000.0	7,740.0	9,750.9	7,500.0	39.6	38.7	-54.89	-1,964.1	-106.9	417.2	352.2	65.07	6.413		
10,100.0	7,740.0	9,850.9	7,500.0	41.2	40.3	-54.89	-2,064.1	-106.9	417.2	349.5	67.75	6.158		
10,200.0	7,740.0	9,950.9	7,500.0	42.8	42.0	-54.89	-2,164.1	-106.9	417.2	346.8	70.45	5.922		
10,300.0	7,740.0	10,050.9	7,500.0	44.5	43.6	-54.89	-2,264.1	-106.9	417.2	344.1	73.17	5.703		
10,400.0	7,740.0	10,150.9	7,500.0	46.1	45.3	-54.89	-2,364.1	-106.9	417.2	341.3	75.89	5.498		
10,500.0	7,740.0	10,250.9	7,500.0	47.8	47.0	-54.89	-2,464.1	-106.9	417.2	338.6	78.63	5.306		
10,600.0	7,740.0	10,350.9	7,500.0	49.4	48.7	-54.89	-2,564.1	-106.9	417.2	335.9	81.38	5.127		
10,700.0	7,740.0	10,450.9	7,500.0	51.1	50.3	-54.89	-2,664.1	-106.9	417.2	333.1	84.13	4.959		
10,800.0	7,740.0	10,550.9	7,500.0	52.7	52.0	-54.89	-2,764.1	-106.9	417.2	330.3	86.90	4.802		
10,900.0	7,740.0	10,650.9	7,500.0	54.4	53.7	-54.89	-2,864.1	-106.9	417.2	327.6	89.67	4.653		
11,000.0	7,740.0	10,750.9	7,500.0	56.1	55.4	-54.89	-2,964.1	-106.9	417.2	324.8	92.45	4.513		
11,100.0	7,740.0	10,850.9	7,500.0	57.8	57.1	-54.89	-3,064.1	-106.9	417.2	322.0	95.23	4.381		
11,200.0	7,740.0	10,950.9	7,500.0	59.5	58.8	-54.89	-3,164.1	-106.9	417.2	319.2	98.02	4.257		
11,300.0	7,740.0	11,050.9	7,500.0	61.2	60.5	-54.89	-3,264.1	-106.9	417.2	316.4	100.81	4.139		
11,400.0	7,740.0	11,150.9	7,500.0	62.9	62.3	-54.89	-3,364.1	-106.9	417.2	313.6	103.61	4.027		
11,500.0	7,740.0	11,250.9	7,500.0	64.6	64.0	-54.89	-3,464.1	-106.9	417.2	310.8	106.41	3.921		
11,600.0	7,740.0	11,350.9	7,500.0	66.3	65.7	-54.89	-3,564.1	-106.9	417.2	308.0	109.22	3.820		
11,700.0	7,740.0	11,450.9	7,500.0	68.0	67.4	-54.89	-3,664.1	-106.9	417.2	305.2	112.03	3.724		
11,800.0	7,740.0	11,550.9	7,500.0	69.7	69.1	-54.89	-3,764.1	-106.9	417.2	302.4	114.85	3.633		
11,900.0	7,740.0	11,650.9	7,500.0	71.4	70.8	-54.89	-3,864.1	-106.9	417.2	299.6	117.66	3.546		
12,000.0	7,740.0	11,750.9	7,500.0	73.1	72.6	-54.89	-3,964.1	-106.9	417.2	296.8	120.48	3.463		
12,100.0	7,740.0	11,850.9	7,500.0	74.8	74.3	-54.89	-4,064.1	-106.9	417.2	293.9	123.31	3.384		
12,200.0	7,740.0	11,950.9	7,500.0	76.5	76.0	-54.89	-4,164.1	-106.9	417.2	291.1	126.13	3.308		
12,300.0	7,740.0	12,050.9	7,500.0	78.2	77.7	-54.89	-4,264.1	-106.9	417.2	288.3	128.96	3.235		
12,400.0	7,740.0	12,150.9	7,500.0	79.9	79.5	-54.89	-4,364.1	-106.9	417.2	285.5	131.79	3.166		
12,500.0	7,740.0	12,250.9	7,500.0	81.7	81.2	-54.89	-4,464.1	-106.9	417.2	282.6	134.62	3.099		
12,600.0	7,740.0	12,350.9	7,500.0	83.4	82.9	-54.89	-4,564.1	-106.9	417.2	279.8	137.45	3.036		
12,700.0	7,740.0	12,450.9	7,500.0	85.1	84.7	-54.89	-4,664.1	-106.9	417.2	277.0	140.29	2.974		
12,800.0	7,740.0	12,550.9	7,500.0	86.8	86.4	-54.89	-4,764.1	-106.9	417.2	274.1	143.13	2.915		
12,900.0	7,740.0	12,650.9	7,500.0	88.6	88.1	-54.89	-4,864.1	-106.9	417.2	271.3	145.96	2.859		
13,000.0	7,740.0	12,750.9	7,500.0	90.3	89.9	-54.89	-4,964.1	-106.9	417.2	268.4	148.80	2.804		
13,100.0	7,740.0	12,850.9	7,500.0	92.0	91.6	-54.89	-5,064.1	-106.9	417.2	265.6	151.65	2.751		
13,200.0	7,740.0	12,950.9	7,500.0	93.7	93.3	-54.89	-5,164.1	-106.9	417.2	262.8	154.49	2.701		
13,201.5	7,740.0	12,952.4	7,500.0	93.8	93.3	-54.89	-5,165.6	-106.9	417.2	262.7	154.53	2.700		
13,300.0	7,740.0	13,047.3	7,500.0	95.5	95.0	-54.91	-5,260.5	-106.6	417.5	260.3	157.23	2.655		
13,400.0	7,740.0	13,146.7	7,500.0	97.2	96.7	-55.01	-5,359.8	-105.4	418.5	258.3	160.22	2.612		
13,500.0	7,740.0	13,246.6	7,500.0	98.9	98.5	-55.11	-5,459.8	-104.1	419.6	256.3	163.26	2.570		
13,600.0	7,740.0	13,346.6	7,500.0	100.7	100.2	-55.20	-5,559.8	-102.9	420.6	254.3	166.30	2.529		
13,700.0	7,740.0	13,446.6	7,500.0	102.4	101.9	-55.30	-5,659.8	-101.6	421.6	252.3	169.34	2.490		
13,800.0	7,740.0	13,546.6	7,500.0	104.1	103.7	-55.40	-5,759.8	-100.4	422.6	250.2	172.39	2.452		
13,900.0	7,740.0	13,646.6	7,500.0	105.9	105.4	-55.49	-5,859.8	-99.1	423.7	248.2	175.45	2.415		
14,000.0	7,740.0	13,746.6	7,500.0	107.6	107.1	-55.59	-5,959.7	-97.9	424.7	246.2	178.52	2.379		
14,100.0	7,740.0	13,846.6	7,500.0	109.3	108.9	-55.68	-6,059.7	-96.6	425.7	244.2	181.59	2.345		
14,200.0	7,740.0	13,946.6	7,500.0	111.1	110.6	-55.78	-6,159.7	-95.4	426.8	242.1	184.66	2.311		
14,300.0	7,740.0	14,046.6	7,500.0	112.8	112.4	-55.87	-6,259.7	-94.1	427.8	240.1	187.74	2.279		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2B-7H-E168 - HZ - Plan #3													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		
14,400.0	7,740.0	14,146.6	7,500.0	114.5	114.1	-55.97	-6,359.7	-92.9	428.8	238.0	190.83	2.247		
14,500.0	7,740.0	14,246.6	7,500.0	116.3	115.8	-56.06	-6,459.7	-91.6	429.9	236.0	193.93	2.217		
14,600.0	7,740.0	14,346.6	7,500.0	118.0	117.6	-56.15	-6,559.6	-90.4	430.9	233.9	197.02	2.187		
14,700.0	7,740.0	14,446.6	7,500.0	119.7	119.3	-56.25	-6,659.6	-89.1	432.0	231.8	200.13	2.158		
14,800.0	7,740.0	14,546.5	7,500.0	121.5	121.1	-56.34	-6,759.6	-87.9	433.0	229.8	203.24	2.131		
14,900.0	7,740.0	14,646.5	7,500.0	123.2	122.8	-56.43	-6,859.6	-86.6	434.0	227.7	206.35	2.103		
15,000.0	7,740.0	14,746.5	7,500.0	125.0	124.6	-56.52	-6,959.6	-85.4	435.1	225.6	209.47	2.077		
15,100.0	7,740.0	14,846.5	7,500.0	126.7	126.3	-56.61	-7,059.6	-84.1	436.1	223.5	212.60	2.051		
15,200.0	7,740.0	14,946.5	7,500.0	128.4	128.0	-56.70	-7,159.5	-82.9	437.2	221.4	215.73	2.027		
15,300.0	7,740.0	15,046.5	7,500.0	130.2	129.8	-56.79	-7,259.5	-81.6	438.2	219.4	218.86	2.002		
15,400.0	7,740.0	15,146.5	7,500.0	131.9	131.5	-56.88	-7,359.5	-80.4	439.3	217.3	222.00	1.979		
15,500.0	7,740.0	15,246.5	7,500.0	133.7	133.3	-56.97	-7,459.5	-79.1	440.3	215.2	225.14	1.956		
15,600.0	7,740.0	15,346.5	7,500.0	135.4	135.0	-57.06	-7,559.5	-77.8	441.4	213.1	228.29	1.933		
15,700.0	7,740.0	15,446.5	7,500.0	137.2	136.8	-57.15	-7,659.5	-76.6	442.4	211.0	231.45	1.912		
15,800.0	7,740.0	15,546.5	7,500.0	138.9	138.5	-57.23	-7,759.5	-75.3	443.5	208.9	234.61	1.890		
15,900.0	7,740.0	15,646.5	7,500.0	140.6	140.3	-57.32	-7,859.4	-74.1	444.5	206.7	237.77	1.870		
15,949.8	7,740.0	15,696.2	7,500.0	141.5	141.1	-57.36	-7,909.2	-73.5	445.0	205.7	239.35	1.859 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2C-7H-E168 - HZ - Plan #3													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	89.98	0.0	15.1	15.1					
100.0	100.0	100.0	100.0	0.2	0.2	89.98	0.0	15.1	15.1	14.8	0.30	49.767		
200.0	200.0	200.0	200.0	0.3	0.3	89.98	0.0	15.1	15.1	14.5	0.65	23.153 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	131.42	0.0	15.1	15.7	14.7	1.00	15.640		
400.0	400.0	400.0	400.0	0.7	0.7	137.84	0.0	15.1	17.5	16.2	1.35	12.942		
500.0	499.9	499.8	499.8	0.9	0.9	143.51	0.8	15.5	21.1	19.4	1.71	12.371		
600.0	599.7	599.6	599.5	1.1	1.0	145.80	3.1	16.7	26.6	24.5	2.07	12.865		
700.0	699.4	699.2	699.1	1.3	1.2	145.96	7.0	18.6	33.8	31.4	2.44	13.866		
760.9	760.0	759.8	759.6	1.4	1.3	145.48	10.1	20.1	39.0	36.3	2.67	14.609		
800.0	798.9	798.7	798.4	1.5	1.4	144.97	12.4	21.3	42.6	39.8	2.82	15.096		
900.0	898.4	898.1	897.5	1.7	1.6	142.67	19.4	24.7	52.0	48.8	3.23	16.126		
1,000.0	998.0	997.6	996.6	2.0	1.8	140.27	27.2	28.6	61.8	58.1	3.64	16.953		
1,100.0	1,097.5	1,097.1	1,095.7	2.2	2.0	138.52	34.9	32.4	71.6	67.5	4.06	17.605		
1,200.0	1,197.0	1,196.6	1,194.8	2.5	2.3	137.20	42.7	36.3	81.4	76.9	4.49	18.130		
1,300.0	1,296.5	1,296.1	1,293.9	2.7	2.5	136.16	50.5	40.1	91.3	86.4	4.92	18.562		
1,400.0	1,396.0	1,395.6	1,393.1	2.9	2.7	135.32	58.2	44.0	101.2	95.8	5.35	18.921		
1,500.0	1,495.6	1,495.1	1,492.2	3.2	2.9	134.64	66.0	47.8	111.1	105.3	5.78	19.225		
1,600.0	1,595.1	1,594.6	1,591.3	3.4	3.1	134.06	73.8	51.6	121.0	114.8	6.21	19.485		
1,700.0	1,694.6	1,694.1	1,690.4	3.7	3.4	133.58	81.6	55.5	131.0	124.3	6.65	19.710		
1,800.0	1,794.1	1,793.6	1,789.5	3.9	3.6	133.16	89.3	59.3	140.9	133.9	7.08	19.907		
1,900.0	1,893.7	1,893.1	1,888.7	4.1	3.8	132.79	97.1	63.2	150.9	143.4	7.52	20.080		
2,000.0	1,993.2	1,992.6	1,987.8	4.4	4.1	132.48	104.9	67.0	160.9	152.9	7.95	20.233		
2,100.0	2,092.7	2,092.1	2,086.9	4.6	4.3	132.20	112.6	70.9	170.8	162.5	8.39	20.370		
2,200.0	2,192.2	2,191.6	2,186.0	4.9	4.5	131.95	120.4	74.7	180.8	172.0	8.82	20.492		
2,300.0	2,291.7	2,291.1	2,285.1	5.1	4.7	131.72	128.2	78.6	190.8	181.5	9.26	20.603		
2,400.0	2,391.3	2,390.6	2,384.3	5.4	5.0	131.52	135.9	82.4	200.8	191.1	9.70	20.704		
2,500.0	2,490.8	2,490.1	2,483.4	5.6	5.2	131.34	143.7	86.3	210.7	200.6	10.13	20.796		
2,600.0	2,590.3	2,589.6	2,582.5	5.8	5.4	131.17	151.5	90.1	220.7	210.2	10.57	20.879		
2,700.0	2,689.8	2,689.1	2,681.6	6.1	5.7	131.02	159.3	94.0	230.7	219.7	11.01	20.956		
2,800.0	2,789.3	2,788.6	2,780.7	6.3	5.9	130.88	167.0	97.8	240.7	229.3	11.45	21.027		
2,900.0	2,888.9	2,888.1	2,879.9	6.6	6.1	130.75	174.8	101.7	250.7	238.8	11.89	21.093		
3,000.0	2,988.4	2,987.6	2,979.0	6.8	6.3	130.64	182.6	105.5	260.7	248.4	12.32	21.154		
3,100.0	3,087.9	3,087.1	3,078.1	7.1	6.6	130.53	190.3	109.4	270.7	257.9	12.76	21.210		
3,200.0	3,187.4	3,186.6	3,177.2	7.3	6.8	130.42	198.1	113.2	280.7	267.5	13.20	21.263		
3,300.0	3,286.9	3,286.1	3,276.3	7.5	7.0	130.33	205.9	117.1	290.6	277.0	13.64	21.312		
3,400.0	3,386.5	3,385.5	3,375.5	7.8	7.3	130.24	213.6	120.9	300.6	286.6	14.08	21.358		
3,500.0	3,486.0	3,485.0	3,474.6	8.0	7.5	130.16	221.4	124.8	310.6	296.1	14.51	21.401		
3,600.0	3,585.5	3,584.5	3,573.7	8.3	7.7	130.08	229.2	128.6	320.6	305.7	14.95	21.442		
3,700.0	3,685.0	3,684.0	3,672.8	8.5	7.9	130.01	237.0	132.4	330.6	315.2	15.39	21.480		
3,800.0	3,784.6	3,783.5	3,771.9	8.8	8.2	129.94	244.7	136.3	340.6	324.8	15.83	21.516		
3,900.0	3,884.1	3,883.0	3,871.1	9.0	8.4	129.87	252.5	140.1	350.6	334.3	16.27	21.550		
4,000.0	3,983.6	3,982.5	3,970.2	9.3	8.6	129.81	260.3	144.0	360.6	343.9	16.71	21.582		
4,100.0	4,083.1	4,082.0	4,069.3	9.5	8.9	129.76	268.0	147.8	370.6	353.4	17.15	21.613		
4,200.0	4,182.6	4,181.5	4,168.4	9.7	9.1	129.70	275.8	151.7	380.6	363.0	17.59	21.642		
4,300.0	4,282.2	4,281.0	4,267.5	10.0	9.3	129.65	283.6	155.5	390.6	372.6	18.02	21.670		
4,400.0	4,381.7	4,380.5	4,366.7	10.2	9.6	129.60	291.3	159.4	400.6	382.1	18.46	21.696		
4,500.0	4,481.2	4,480.0	4,465.8	10.5	9.8	129.55	299.1	163.2	410.6	391.7	18.90	21.721		
4,600.0	4,580.7	4,579.5	4,564.9	10.7	10.0	129.51	306.9	167.1	420.6	401.2	19.34	21.745		
4,700.0	4,680.2	4,679.0	4,664.0	11.0	10.2	129.47	314.7	170.9	430.6	410.8	19.78	21.767		
4,800.0	4,779.8	4,778.5	4,763.1	11.2	10.5	129.43	322.4	174.8	440.6	420.4	20.22	21.789		
4,900.0	4,879.3	4,878.0	4,862.3	11.4	10.7	129.39	330.2	178.6	450.6	429.9	20.66	21.810		
5,000.0	4,978.8	4,977.5	4,961.4	11.7	10.9	129.35	338.0	182.5	460.6	439.5	21.10	21.830		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2C-7H-E168 - HZ - Plan #3													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,078.3	5,077.0	5,060.5	11.9	11.2	129.31	345.7	186.3	470.6	449.0	21.54	21.849		
5,200.0	5,177.9	5,176.5	5,159.6	12.2	11.4	129.28	353.5	190.2	480.6	458.6	21.98	21.867		
5,300.0	5,277.4	5,276.0	5,258.7	12.4	11.6	129.25	361.3	194.0	490.6	468.1	22.42	21.885		
5,400.0	5,376.9	5,375.5	5,357.9	12.7	11.9	129.21	369.0	197.9	500.6	477.7	22.85	21.902		
5,500.0	5,476.4	5,475.0	5,457.0	12.9	12.1	129.18	376.8	201.7	510.6	487.3	23.29	21.918		
5,600.0	5,575.9	5,574.5	5,556.1	13.2	12.3	129.16	384.6	205.5	520.6	496.8	23.73	21.934		
5,700.0	5,675.5	5,674.0	5,655.2	13.4	12.5	129.13	392.4	209.4	530.6	506.4	24.17	21.949		
5,800.0	5,775.0	5,773.5	5,754.3	13.6	12.8	129.10	400.1	213.2	540.6	515.9	24.61	21.963		
5,900.0	5,874.5	5,873.0	5,853.5	13.9	13.0	129.07	407.9	217.1	550.6	525.5	25.05	21.977		
6,000.0	5,974.0	5,972.5	5,952.6	14.1	13.2	129.05	415.7	220.9	560.6	535.1	25.49	21.991		
6,100.0	6,073.5	6,072.0	6,051.7	14.4	13.5	129.03	423.4	224.8	570.6	544.6	25.93	22.004		
6,200.0	6,173.1	6,171.5	6,150.8	14.6	13.7	129.00	431.2	228.6	580.6	554.2	26.37	22.017		
6,300.0	6,272.6	6,271.0	6,249.9	14.9	13.9	128.98	439.0	232.5	590.6	563.7	26.81	22.029		
6,400.0	6,372.1	6,370.5	6,349.1	15.1	14.2	128.96	446.7	236.3	600.5	573.3	27.25	22.041		
6,500.0	6,471.6	6,470.0	6,448.2	15.4	14.4	128.94	454.5	240.2	610.5	582.9	27.69	22.052		
6,600.0	6,571.1	6,569.5	6,547.3	15.6	14.6	128.92	462.3	244.0	620.5	592.4	28.13	22.063		
6,700.0	6,670.7	6,669.0	6,646.4	15.8	14.8	128.90	470.0	247.9	630.5	602.0	28.57	22.074		
6,800.0	6,770.2	6,768.5	6,745.5	16.1	15.1	128.88	477.8	251.7	640.5	611.5	29.00	22.084		
6,900.0	6,869.7	6,868.0	6,844.7	16.3	15.3	128.86	485.6	255.6	650.5	621.1	29.44	22.094		
7,000.0	6,969.2	6,967.5	6,943.8	16.6	15.5	128.84	493.4	259.4	660.5	630.7	29.88	22.104		
7,100.0	7,068.8	7,067.0	7,042.9	16.8	15.8	128.82	501.1	263.3	670.5	640.2	30.32	22.113		
7,156.2	7,124.7	7,122.9	7,098.6	17.0	15.9	128.81	505.5	265.4	676.2	645.6	30.57	22.119		
7,200.0	7,168.4	7,166.4	7,142.0	17.0	16.0	-179.59	508.6	267.1	680.6	649.8	30.72	22.156		
7,250.0	7,218.2	7,216.2	7,191.7	17.1	16.0	-124.84	508.6	269.0	685.6	654.8	30.80	22.260		
7,300.0	7,267.7	7,266.1	7,241.4	17.1	16.1	-108.87	504.3	271.0	690.5	659.7	30.80	22.423		
7,350.0	7,316.4	7,316.3	7,290.8	17.1	16.0	-102.43	495.7	272.9	695.5	664.7	30.71	22.643		
7,400.0	7,363.9	7,366.7	7,339.4	17.0	16.0	-98.96	482.7	274.8	700.3	669.7	30.56	22.916		
7,450.0	7,410.0	7,417.3	7,386.9	16.9	15.9	-96.76	465.4	276.6	704.9	674.6	30.34	23.237		
7,500.0	7,454.3	7,468.1	7,432.9	16.8	15.8	-95.22	443.9	278.4	709.4	679.3	30.06	23.599		
7,550.0	7,496.3	7,519.1	7,476.9	16.7	15.6	-94.06	418.2	280.1	713.7	683.9	29.74	23.994		
7,600.0	7,535.9	7,570.4	7,518.7	16.5	15.5	-93.17	388.6	281.7	717.7	688.3	29.40	24.411		
7,650.0	7,572.7	7,621.9	7,557.9	16.4	15.3	-92.45	355.3	283.3	721.4	692.4	29.05	24.837		
7,700.0	7,606.4	7,673.6	7,594.0	16.3	15.1	-91.87	318.4	284.7	724.9	696.2	28.70	25.255		
7,750.0	7,636.7	7,725.4	7,626.8	16.2	15.0	-91.39	278.2	285.9	728.0	699.6	28.39	25.646		
7,800.0	7,663.5	7,777.5	7,655.9	16.1	14.9	-91.00	235.1	287.1	730.7	702.6	28.12	25.989		
7,850.0	7,686.5	7,829.7	7,681.1	16.0	14.8	-90.68	189.4	288.0	733.1	705.2	27.91	26.262		
7,900.0	7,705.6	7,882.0	7,702.0	16.0	14.7	-90.43	141.4	288.8	735.0	707.2	27.79	26.445		
7,950.0	7,720.6	7,934.5	7,718.5	16.0	14.7	-90.24	91.7	289.5	736.6	708.8	27.77	26.522		
8,000.0	7,731.4	7,987.0	7,730.4	16.0	14.7	-90.11	40.5	290.0	737.7	709.8	27.86	26.479		
8,050.0	7,737.8	8,039.6	7,737.6	16.1	14.8	-90.03	-11.6	290.2	738.3	710.3	28.06	26.315		
8,099.8	7,740.0	8,092.0	7,740.0	16.2	15.0	-90.00	-63.9	290.3	738.6	710.2	28.37	26.037		
8,200.0	7,740.0	8,192.3	7,740.0	16.6	15.4	-90.00	-164.1	290.3	738.6	709.3	29.30	25.210		
8,300.0	7,740.0	8,292.3	7,740.0	17.2	16.0	-90.00	-264.1	290.3	738.6	708.0	30.59	24.141		
8,400.0	7,740.0	8,392.3	7,740.0	17.9	16.8	-90.00	-364.1	290.3	738.6	706.3	32.22	22.920		
8,500.0	7,740.0	8,492.3	7,740.0	18.8	17.7	-90.00	-464.1	290.3	738.6	704.4	34.14	21.636		
8,600.0	7,740.0	8,592.3	7,740.0	19.8	18.8	-90.00	-564.1	290.3	738.6	702.3	36.29	20.353		
8,700.0	7,740.0	8,692.3	7,740.0	20.9	19.9	-90.00	-664.1	290.3	738.6	699.9	38.64	19.114		
8,800.0	7,740.0	8,792.3	7,740.0	22.0	21.1	-90.00	-764.1	290.3	738.6	697.4	41.16	17.945		
8,900.0	7,740.0	8,892.3	7,740.0	23.3	22.4	-90.00	-864.1	290.3	738.6	694.7	43.81	16.859		
9,000.0	7,740.0	8,992.3	7,740.0	24.6	23.8	-90.00	-964.1	290.3	738.6	692.0	46.57	15.857		
9,100.0	7,740.0	9,092.3	7,740.0	25.9	25.2	-90.00	-1,064.1	290.3	738.6	689.1	49.44	14.940		
9,200.0	7,740.0	9,192.3	7,740.0	27.3	26.6	-90.00	-1,164.1	290.3	738.6	686.2	52.37	14.101		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2C-7H-E168 - HZ - Plan #3													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		
9,300.0	7,740.0	9,292.3	7,740.0	28.8	28.1	-90.00	-1,264.1	290.3	738.6	683.2	55.38	13.336		
9,400.0	7,740.0	9,392.3	7,740.0	30.3	29.6	-90.00	-1,364.1	290.3	738.6	680.1	58.44	12.637		
9,500.0	7,740.0	9,492.3	7,740.0	31.8	31.2	-90.00	-1,464.1	290.3	738.6	677.0	61.55	11.999		
9,600.0	7,740.0	9,592.3	7,740.0	33.3	32.7	-90.00	-1,564.1	290.3	738.6	673.9	64.70	11.415		
9,700.0	7,740.0	9,692.3	7,740.0	34.8	34.3	-90.00	-1,664.1	290.3	738.6	670.7	67.89	10.879		
9,800.0	7,740.0	9,792.3	7,740.0	36.4	35.9	-90.00	-1,764.1	290.3	738.6	667.5	71.10	10.387		
9,900.0	7,740.0	9,892.3	7,740.0	38.0	37.5	-90.00	-1,864.1	290.3	738.6	664.2	74.34	9.934		
10,000.0	7,740.0	9,992.3	7,740.0	39.6	39.1	-90.00	-1,964.1	290.3	738.6	660.9	77.61	9.516		
10,100.0	7,740.0	10,092.3	7,740.0	41.2	40.7	-90.00	-2,064.1	290.3	738.6	657.7	80.90	9.130		
10,200.0	7,740.0	10,192.3	7,740.0	42.8	42.4	-90.00	-2,164.1	290.3	738.6	654.4	84.20	8.772		
10,300.0	7,740.0	10,292.3	7,740.0	44.5	44.0	-90.00	-2,264.1	290.3	738.6	651.0	87.52	8.439		
10,400.0	7,740.0	10,392.3	7,740.0	46.1	45.7	-90.00	-2,364.1	290.3	738.6	647.7	90.85	8.129		
10,500.0	7,740.0	10,492.3	7,740.0	47.8	47.3	-90.00	-2,464.1	290.3	738.6	644.4	94.20	7.840		
10,600.0	7,740.0	10,592.3	7,740.0	49.4	49.0	-90.00	-2,564.1	290.3	738.6	641.0	97.56	7.571		
10,700.0	7,740.0	10,692.3	7,740.0	51.1	50.7	-90.00	-2,664.1	290.3	738.6	637.6	100.92	7.318		
10,800.0	7,740.0	10,792.3	7,740.0	52.7	52.4	-90.00	-2,764.1	290.3	738.6	634.3	104.30	7.081		
10,900.0	7,740.0	10,892.3	7,740.0	54.4	54.1	-90.00	-2,864.1	290.3	738.6	630.9	107.69	6.858		
11,000.0	7,740.0	10,992.3	7,740.0	56.1	55.7	-90.00	-2,964.1	290.3	738.6	627.5	111.08	6.649		
11,100.0	7,740.0	11,092.3	7,740.0	57.8	57.4	-90.00	-3,064.1	290.3	738.6	624.1	114.48	6.451		
11,200.0	7,740.0	11,192.3	7,740.0	59.5	59.1	-90.00	-3,164.1	290.3	738.6	620.7	117.89	6.265		
11,300.0	7,740.0	11,292.3	7,740.0	61.2	60.8	-90.00	-3,264.1	290.3	738.6	617.3	121.30	6.089		
11,400.0	7,740.0	11,392.3	7,740.0	62.9	62.5	-90.00	-3,364.1	290.3	738.6	613.8	124.72	5.922		
11,500.0	7,740.0	11,492.3	7,740.0	64.6	64.2	-90.00	-3,464.1	290.3	738.6	610.4	128.14	5.764		
11,600.0	7,740.0	11,592.3	7,740.0	66.3	66.0	-90.00	-3,564.1	290.3	738.6	607.0	131.57	5.614		
11,700.0	7,740.0	11,692.3	7,740.0	68.0	67.7	-90.00	-3,664.1	290.3	738.6	603.6	135.00	5.471		
11,800.0	7,740.0	11,792.3	7,740.0	69.7	69.4	-90.00	-3,764.1	290.3	738.6	600.1	138.43	5.335		
11,900.0	7,740.0	11,892.3	7,740.0	71.4	71.1	-90.00	-3,864.1	290.3	738.6	596.7	141.87	5.206		
12,000.0	7,740.0	11,992.3	7,740.0	73.1	72.8	-90.00	-3,964.1	290.3	738.6	593.2	145.31	5.083		
12,100.0	7,740.0	12,092.3	7,740.0	74.8	74.5	-90.00	-4,064.1	290.3	738.6	589.8	148.76	4.965		
12,200.0	7,740.0	12,192.3	7,740.0	76.5	76.3	-90.00	-4,164.1	290.3	738.6	586.4	152.20	4.852		
12,300.0	7,740.0	12,292.3	7,740.0	78.2	78.0	-90.00	-4,264.1	290.3	738.6	582.9	155.66	4.745		
12,400.0	7,740.0	12,392.3	7,740.0	79.9	79.7	-90.00	-4,364.1	290.3	738.6	579.4	159.11	4.642		
12,500.0	7,740.0	12,492.3	7,740.0	81.7	81.4	-90.00	-4,464.1	290.3	738.6	576.0	162.56	4.543		
12,600.0	7,740.0	12,592.3	7,740.0	83.4	83.1	-90.00	-4,564.1	290.3	738.6	572.5	166.02	4.449		
12,700.0	7,740.0	12,692.3	7,740.0	85.1	84.9	-90.00	-4,664.1	290.3	738.6	569.1	169.48	4.358		
12,800.0	7,740.0	12,792.3	7,740.0	86.8	86.6	-90.00	-4,764.1	290.3	738.6	565.6	172.94	4.271		
12,900.0	7,740.0	12,892.3	7,740.0	88.6	88.3	-90.00	-4,864.1	290.3	738.6	562.1	176.41	4.187		
13,000.0	7,740.0	12,992.3	7,740.0	90.3	90.1	-90.00	-4,964.1	290.3	738.6	558.7	179.87	4.106		
13,100.0	7,740.0	13,092.3	7,740.0	92.0	91.8	-90.00	-5,064.1	290.3	738.6	555.2	183.34	4.028		
13,200.0	7,740.0	13,192.3	7,740.0	93.7	93.5	-90.00	-5,164.1	290.3	738.6	551.7	186.81	3.954		
13,300.0	7,740.0	13,292.3	7,740.0	95.5	95.3	-90.00	-5,264.1	290.3	738.6	548.3	190.28	3.881		
13,400.0	7,740.0	13,392.3	7,740.0	97.2	97.0	-90.00	-5,364.1	290.3	738.6	544.8	193.75	3.812		
13,500.0	7,740.0	13,492.3	7,740.0	98.9	98.7	-90.00	-5,464.1	290.3	738.6	541.3	197.22	3.745		
13,600.0	7,740.0	13,592.3	7,740.0	100.7	100.5	-90.00	-5,564.1	290.3	738.6	537.9	200.69	3.680		
13,700.0	7,740.0	13,692.3	7,740.0	102.4	102.2	-90.00	-5,664.1	290.3	738.6	534.4	204.17	3.617		
13,800.0	7,740.0	13,792.3	7,740.0	104.1	103.9	-90.00	-5,764.1	290.3	738.6	530.9	207.64	3.557		
13,900.0	7,740.0	13,892.3	7,740.0	105.9	105.7	-90.00	-5,864.1	290.3	738.6	527.4	211.12	3.498		
14,000.0	7,740.0	13,992.3	7,740.0	107.6	107.4	-90.00	-5,964.1	290.3	738.6	524.0	214.60	3.442		
14,100.0	7,740.0	14,092.3	7,740.0	109.3	109.1	-90.00	-6,064.1	290.3	738.6	520.5	218.08	3.387		
14,200.0	7,740.0	14,192.3	7,740.0	111.1	110.9	-90.00	-6,164.1	290.3	738.6	517.0	221.56	3.333		
14,300.0	7,740.0	14,292.3	7,740.0	112.8	112.6	-90.00	-6,264.1	290.3	738.6	513.5	225.04	3.282		
14,400.0	7,740.0	14,392.3	7,740.0	114.5	114.4	-90.00	-6,364.1	290.3	738.6	510.0	228.52	3.232		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2C-7H-E168 - HZ - Plan #3												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 0-Geolink MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis		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)					
14,500.0	7,740.0	14,492.3	7,740.0	116.3	116.1	-90.00	-6,464.1	290.3	738.6	506.6	232.00	3.183	
14,600.0	7,740.0	14,592.3	7,740.0	118.0	117.8	-90.00	-6,564.1	290.3	738.6	503.1	235.49	3.136	
14,700.0	7,740.0	14,692.3	7,740.0	119.7	119.6	-90.00	-6,664.1	290.3	738.6	499.6	238.97	3.091	
14,800.0	7,740.0	14,792.3	7,740.0	121.5	121.3	-90.00	-6,764.1	290.3	738.6	496.1	242.46	3.046	
14,900.0	7,740.0	14,892.3	7,740.0	123.2	123.1	-90.00	-6,864.1	290.3	738.6	492.6	245.94	3.003	
15,000.0	7,740.0	14,992.3	7,740.0	125.0	124.8	-90.00	-6,964.1	290.3	738.6	489.1	249.43	2.961	
15,100.0	7,740.0	15,092.3	7,740.0	126.7	126.5	-90.00	-7,064.1	290.3	738.6	485.6	252.91	2.920	
15,200.0	7,740.0	15,192.3	7,740.0	128.4	128.3	-90.00	-7,164.1	290.3	738.6	482.2	256.40	2.880	
15,300.0	7,740.0	15,292.3	7,740.0	130.2	130.0	-90.00	-7,264.1	290.3	738.6	478.7	259.89	2.842	
15,400.0	7,740.0	15,392.3	7,740.0	131.9	131.8	-90.00	-7,364.1	290.3	738.6	475.2	263.38	2.804	
15,500.0	7,740.0	15,492.3	7,740.0	133.7	133.5	-90.00	-7,464.1	290.3	738.6	471.7	266.87	2.768	
15,600.0	7,740.0	15,592.3	7,740.0	135.4	135.3	-90.00	-7,564.1	290.3	738.6	468.2	270.35	2.732	
15,700.0	7,740.0	15,692.3	7,740.0	137.2	137.0	-90.00	-7,664.1	290.3	738.6	464.7	273.84	2.697	
15,800.0	7,740.0	15,792.3	7,740.0	138.9	138.7	-90.00	-7,764.1	290.3	738.6	461.2	277.33	2.663	
15,900.0	7,740.0	15,892.3	7,740.0	140.6	140.5	-90.00	-7,864.1	290.3	738.6	457.7	280.83	2.630	
15,949.8	7,740.0	15,942.0	7,740.0	141.5	141.4	-90.00	-7,913.9	290.3	738.6	456.0	282.56	2.614 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2D-7H-E168 - HZ - Plan #3													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	89.99	0.0	22.4	22.4					
100.0	100.0	100.0	100.0	0.2	0.2	89.99	0.0	22.4	22.4	22.1	0.30	73.728		
200.0	200.0	200.0	200.0	0.3	0.3	89.99	0.0	22.4	22.4	21.7	0.65	34.301	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	130.63	0.0	22.4	22.9	21.9	1.00	22.895		
400.0	400.0	400.0	400.0	0.7	0.7	135.23	0.0	22.4	24.7	23.4	1.35	18.269		
500.0	499.9	499.9	499.9	0.9	0.8	141.50	0.0	22.4	28.0	26.3	1.71	16.400		
600.0	599.7	599.5	599.5	1.1	1.0	146.68	0.7	22.9	33.3	31.2	2.06	16.155		
700.0	699.4	698.9	698.9	1.3	1.2	149.29	2.7	24.6	40.9	38.5	2.42	16.881		
760.9	760.0	759.4	759.3	1.4	1.3	149.97	4.5	26.1	46.5	43.9	2.64	17.588		
800.0	798.9	798.2	798.1	1.5	1.4	150.09	6.0	27.3	50.4	47.6	2.79	18.080		
900.0	898.4	897.4	897.1	1.7	1.6	149.25	10.6	31.1	60.8	57.6	3.17	19.189		
1,000.0	998.0	996.4	995.7	2.0	1.8	147.36	16.6	36.1	71.8	68.2	3.56	20.141		
1,100.0	1,097.5	1,095.1	1,094.0	2.2	2.0	144.89	23.8	42.0	83.5	79.5	3.98	20.993		
1,200.0	1,197.0	1,193.6	1,191.9	2.5	2.2	142.11	32.4	49.0	96.1	91.6	4.41	21.791		
1,300.0	1,296.5	1,292.5	1,290.1	2.7	2.5	139.50	41.7	56.7	109.3	104.4	4.85	22.534		
1,400.0	1,396.0	1,391.6	1,388.4	2.9	2.7	137.46	51.0	64.4	122.6	117.3	5.29	23.172		
1,500.0	1,495.6	1,490.6	1,486.7	3.2	3.0	135.82	60.4	72.1	136.1	130.4	5.74	23.725		
1,600.0	1,595.1	1,589.6	1,584.9	3.4	3.2	134.47	69.7	79.8	149.7	143.6	6.19	24.208		
1,700.0	1,694.6	1,688.6	1,683.2	3.7	3.5	133.35	79.0	87.5	163.4	156.8	6.63	24.632		
1,800.0	1,794.1	1,787.6	1,781.5	3.9	3.7	132.40	88.3	95.2	177.1	170.0	7.08	25.008		
1,900.0	1,893.7	1,886.6	1,879.8	4.1	4.0	131.59	97.7	102.8	190.9	183.3	7.53	25.343		
2,000.0	1,993.2	1,985.6	1,978.0	4.4	4.3	130.89	107.0	110.5	204.7	196.7	7.98	25.643		
2,100.0	2,092.7	2,084.7	2,076.3	4.6	4.5	130.28	116.3	118.2	218.5	210.0	8.43	25.914		
2,200.0	2,192.2	2,183.7	2,174.6	4.9	4.8	129.74	125.7	125.9	232.3	223.4	8.88	26.159		
2,300.0	2,291.7	2,282.7	2,272.9	5.1	5.1	129.26	135.0	133.6	246.2	236.8	9.33	26.381		
2,400.0	2,391.3	2,381.7	2,371.1	5.4	5.3	128.83	144.3	141.3	260.0	250.2	9.78	26.585		
2,500.0	2,490.8	2,480.7	2,469.4	5.6	5.6	128.44	153.7	149.0	273.9	263.7	10.23	26.771		
2,600.0	2,590.3	2,579.7	2,567.7	5.8	5.9	128.10	163.0	156.6	287.8	277.1	10.68	26.942		
2,700.0	2,689.8	2,678.8	2,666.0	6.1	6.1	127.78	172.3	164.3	301.7	290.6	11.13	27.101		
2,800.0	2,789.3	2,777.8	2,764.2	6.3	6.4	127.49	181.7	172.0	315.6	304.0	11.58	27.247		
2,900.0	2,888.9	2,876.8	2,862.5	6.6	6.7	127.23	191.0	179.7	329.5	317.5	12.03	27.383		
3,000.0	2,988.4	2,975.8	2,960.8	6.8	7.0	126.99	200.3	187.4	343.4	331.0	12.48	27.509		
3,100.0	3,087.9	3,074.8	3,059.1	7.1	7.2	126.76	209.7	195.1	357.4	344.4	12.94	27.627		
3,200.0	3,187.4	3,173.8	3,157.3	7.3	7.5	126.56	219.0	202.8	371.3	357.9	13.39	27.737		
3,300.0	3,286.9	3,272.9	3,255.6	7.5	7.8	126.36	228.3	210.4	385.3	371.4	13.84	27.841		
3,400.0	3,386.5	3,371.9	3,353.9	7.8	8.0	126.19	237.7	218.1	399.2	384.9	14.29	27.938		
3,500.0	3,486.0	3,470.9	3,452.2	8.0	8.3	126.02	247.0	225.8	413.1	398.4	14.74	28.029		
3,600.0	3,585.5	3,569.9	3,550.4	8.3	8.6	125.86	256.3	233.5	427.1	411.9	15.19	28.115		
3,700.0	3,685.0	3,668.9	3,648.7	8.5	8.8	125.72	265.6	241.2	441.0	425.4	15.64	28.196		
3,800.0	3,784.6	3,767.9	3,747.0	8.8	9.1	125.58	275.0	248.9	455.0	438.9	16.09	28.273		
3,900.0	3,884.1	3,867.0	3,845.3	9.0	9.4	125.45	284.3	256.6	468.9	452.4	16.54	28.346		
4,000.0	3,983.6	3,966.0	3,943.5	9.3	9.7	125.33	293.6	264.2	482.9	465.9	17.00	28.415		
4,100.0	4,083.1	4,065.0	4,041.8	9.5	9.9	125.22	303.0	271.9	496.9	479.4	17.45	28.480		
4,200.0	4,182.6	4,164.0	4,140.1	9.7	10.2	125.11	312.3	279.6	510.8	492.9	17.90	28.542		
4,300.0	4,282.2	4,263.0	4,238.4	10.0	10.5	125.01	321.6	287.3	524.8	506.4	18.35	28.602		
4,400.0	4,381.7	4,362.0	4,336.6	10.2	10.7	124.91	331.0	295.0	538.8	520.0	18.80	28.658		
4,500.0	4,481.2	4,461.0	4,434.9	10.5	11.0	124.82	340.3	302.7	552.7	533.5	19.25	28.712		
4,600.0	4,580.7	4,560.1	4,533.2	10.7	11.3	124.73	349.6	310.4	566.7	547.0	19.70	28.763		
4,700.0	4,680.2	4,659.1	4,631.5	11.0	11.6	124.65	359.0	318.0	580.7	560.5	20.15	28.812		
4,800.0	4,779.8	4,758.1	4,729.7	11.2	11.8	124.57	368.3	325.7	594.6	574.0	20.60	28.860		
4,900.0	4,879.3	4,857.1	4,828.0	11.4	12.1	124.49	377.6	333.4	608.6	587.6	21.06	28.905		
5,000.0	4,978.8	4,956.1	4,926.3	11.7	12.4	124.42	387.0	341.1	622.6	601.1	21.51	28.948		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2D-7H-E168 - HZ - Plan #3												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)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,100.0	5,078.3	5,055.1	5,024.6	11.9	12.7	124.35	396.3	348.8	636.6	614.6	21.96	28.989	
5,200.0	5,177.9	5,154.2	5,122.8	12.2	12.9	124.28	405.6	356.5	650.5	628.1	22.41	29.029	
5,300.0	5,277.4	5,253.2	5,221.1	12.4	13.2	124.22	415.0	364.2	664.5	641.6	22.86	29.068	
5,400.0	5,376.9	5,352.2	5,319.4	12.7	13.5	124.16	424.3	371.8	678.5	655.2	23.31	29.104	
5,500.0	5,476.4	5,451.2	5,417.7	12.9	13.7	124.10	433.6	379.5	692.5	668.7	23.76	29.140	
5,600.0	5,575.9	5,550.2	5,515.9	13.2	14.0	124.05	442.9	387.2	706.4	682.2	24.21	29.174	
5,700.0	5,675.5	5,649.2	5,614.2	13.4	14.3	123.99	452.3	394.9	720.4	695.8	24.67	29.207	
5,800.0	5,775.0	5,748.3	5,712.5	13.6	14.6	123.94	461.6	402.6	734.4	709.3	25.12	29.239	
5,900.0	5,874.5	5,847.3	5,810.8	13.9	14.8	123.89	470.9	410.3	748.4	722.8	25.57	29.269	
6,000.0	5,974.0	5,946.3	5,909.0	14.1	15.1	123.84	480.3	418.0	762.4	736.3	26.02	29.299	
6,100.0	6,073.5	6,045.3	6,007.3	14.4	15.4	123.80	489.6	425.6	776.3	749.9	26.47	29.328	
6,200.0	6,173.1	6,144.3	6,105.6	14.6	15.7	123.75	498.9	433.3	790.3	763.4	26.92	29.355	
6,300.0	6,272.6	6,243.3	6,203.9	14.9	15.9	123.71	508.3	441.0	804.3	776.9	27.37	29.382	
6,400.0	6,372.1	6,342.4	6,302.1	15.1	16.2	123.67	517.6	448.7	818.3	790.5	27.83	29.408	
6,500.0	6,471.6	6,441.4	6,400.4	15.4	16.5	123.63	526.9	456.4	832.3	804.0	28.28	29.433	
6,600.0	6,571.1	6,540.4	6,498.7	15.6	16.7	123.59	536.3	464.1	846.3	817.5	28.73	29.457	
6,700.0	6,670.7	6,639.4	6,597.0	15.8	17.0	123.55	545.6	471.8	860.2	831.1	29.18	29.481	
6,800.0	6,770.2	6,738.4	6,695.2	16.1	17.3	123.51	554.9	479.5	874.2	844.6	29.63	29.504	
6,900.0	6,869.7	6,837.4	6,793.5	16.3	17.6	123.48	564.3	487.1	888.2	858.1	30.08	29.526	
7,000.0	6,969.2	6,939.1	6,894.5	16.6	17.8	123.46	573.5	495.0	902.2	871.6	30.53	29.546	
7,100.0	7,068.8	7,051.9	7,006.7	16.8	17.9	124.36	569.2	503.8	915.1	884.2	30.86	29.652	
7,156.2	7,124.7	7,111.8	7,065.3	17.0	17.9	125.38	557.9	508.4	921.9	891.0	30.95	29.787	
7,200.0	7,168.4	7,156.6	7,108.1	17.0	17.9	178.10	545.6	511.7	927.4	896.4	30.95	29.966	
7,250.0	7,218.2	7,206.3	7,154.4	17.1	17.8	-125.84	527.9	515.4	933.8	902.9	30.85	30.264	
7,300.0	7,267.7	7,254.6	7,197.9	17.1	17.7	-108.57	507.0	518.8	940.4	909.8	30.68	30.649	
7,350.0	7,316.4	7,301.8	7,238.4	17.1	17.5	-100.87	483.1	521.9	947.2	916.8	30.45	31.113	
7,400.0	7,363.9	7,347.8	7,275.9	17.0	17.4	-96.16	456.6	524.9	954.1	924.0	30.15	31.646	
7,450.0	7,410.0	7,392.9	7,310.5	16.9	17.3	-92.77	427.8	527.6	961.0	931.2	29.81	32.238	
7,500.0	7,454.3	7,437.1	7,342.1	16.8	17.1	-90.08	397.0	530.0	967.8	938.4	29.44	32.873	
7,550.0	7,496.3	7,480.5	7,370.8	16.7	17.0	-87.84	364.5	532.3	974.5	945.4	29.06	33.538	
7,600.0	7,535.9	7,523.2	7,396.5	16.5	16.8	-85.91	330.5	534.3	980.9	952.2	28.67	34.214	
7,650.0	7,572.7	7,565.3	7,419.3	16.4	16.7	-84.21	295.2	536.1	987.0	958.7	28.30	34.882	
7,700.0	7,606.4	7,606.8	7,439.2	16.3	16.6	-82.72	258.8	537.6	992.8	964.9	27.95	35.520	
7,750.0	7,636.7	7,650.0	7,457.1	16.2	16.5	-81.38	219.5	539.0	998.2	970.6	27.64	36.110	
7,800.0	7,663.5	7,688.3	7,470.4	16.1	16.4	-80.24	183.6	540.1	1,003.1	975.7	27.40	36.605	
7,850.0	7,686.5	7,728.5	7,481.8	16.0	16.4	-79.23	145.1	541.0	1,007.5	980.2	27.23	37.004	
7,900.0	7,705.6	7,768.3	7,490.4	16.0	16.4	-78.36	106.3	541.6	1,011.2	984.1	27.12	37.284	
7,950.0	7,720.6	7,807.7	7,496.2	16.0	16.4	-77.63	67.3	542.1	1,014.4	987.3	27.10	37.430	
8,000.0	7,731.4	7,850.0	7,499.5	16.0	16.5	-77.02	25.1	542.4	1,016.9	989.7	27.17	37.423	
8,050.0	7,737.8	7,889.3	7,500.0	16.1	16.5	-76.57	-14.2	542.4	1,018.6	991.3	27.34	37.263	
8,099.8	7,740.0	7,939.0	7,500.0	16.2	16.6	-76.38	-63.9	542.4	1,019.3	991.6	27.65	36.858	
8,200.0	7,740.0	8,039.3	7,500.0	16.6	17.0	-76.38	-164.1	542.4	1,019.3	990.7	28.56	35.686	
8,300.0	7,740.0	8,139.3	7,500.0	17.2	17.6	-76.38	-264.1	542.4	1,019.3	989.4	29.83	34.166	
8,400.0	7,740.0	8,239.3	7,500.0	17.9	18.3	-76.38	-364.1	542.4	1,019.3	987.9	31.42	32.436	
8,500.0	7,740.0	8,339.3	7,500.0	18.8	19.1	-76.38	-464.1	542.4	1,019.3	986.0	33.29	30.619	
8,600.0	7,740.0	8,439.3	7,500.0	19.8	20.1	-76.38	-564.1	542.4	1,019.3	983.9	35.39	28.804	
8,700.0	7,740.0	8,539.3	7,500.0	20.9	21.2	-76.38	-664.1	542.4	1,019.3	981.6	37.68	27.054	
8,800.0	7,740.0	8,639.3	7,500.0	22.0	22.3	-76.38	-764.1	542.4	1,019.3	979.2	40.13	25.403	
8,900.0	7,740.0	8,739.3	7,500.0	23.3	23.5	-76.38	-864.1	542.4	1,019.3	976.6	42.71	23.867	
9,000.0	7,740.0	8,839.3	7,500.0	24.6	24.8	-76.38	-964.1	542.4	1,019.3	973.9	45.40	22.452	
9,100.0	7,740.0	8,939.3	7,500.0	25.9	26.2	-76.38	-1,064.1	542.4	1,019.3	971.1	48.18	21.156	
9,200.0	7,740.0	9,039.3	7,500.0	27.3	27.6	-76.38	-1,164.1	542.4	1,019.3	968.2	51.04	19.971	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2D-7H-E168 - HZ - Plan #3													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)				
9,300.0	7,740.0	9,139.3	7,500.0	28.8	29.0	-76.38	-1,264.1	542.4	1,019.3	965.3	53.96	18.889		
9,400.0	7,740.0	9,239.3	7,500.0	30.3	30.5	-76.38	-1,364.1	542.4	1,019.3	962.3	56.94	17.901		
9,500.0	7,740.0	9,339.3	7,500.0	31.8	32.0	-76.38	-1,464.1	542.4	1,019.3	959.3	59.96	16.999		
9,600.0	7,740.0	9,439.3	7,500.0	33.3	33.5	-76.38	-1,564.1	542.4	1,019.3	956.3	63.03	16.172		
9,700.0	7,740.0	9,539.3	7,500.0	34.8	35.0	-76.38	-1,664.1	542.4	1,019.3	953.2	66.12	15.415		
9,800.0	7,740.0	9,639.3	7,500.0	36.4	36.6	-76.38	-1,764.1	542.4	1,019.3	950.0	69.25	14.719		
9,900.0	7,740.0	9,739.3	7,500.0	38.0	38.1	-76.38	-1,864.1	542.4	1,019.3	946.9	72.40	14.078		
10,000.0	7,740.0	9,839.3	7,500.0	39.6	39.7	-76.38	-1,964.1	542.4	1,019.3	943.7	75.58	13.487		
10,100.0	7,740.0	9,939.3	7,500.0	41.2	41.3	-76.38	-2,064.1	542.4	1,019.3	940.5	78.77	12.940		
10,200.0	7,740.0	10,039.3	7,500.0	42.8	43.0	-76.38	-2,164.1	542.4	1,019.3	937.3	81.98	12.433		
10,300.0	7,740.0	10,139.3	7,500.0	44.5	44.6	-76.38	-2,264.1	542.4	1,019.3	934.1	85.21	11.962		
10,400.0	7,740.0	10,239.3	7,500.0	46.1	46.2	-76.38	-2,364.1	542.4	1,019.3	930.8	88.45	11.524		
10,500.0	7,740.0	10,339.3	7,500.0	47.8	47.9	-76.38	-2,464.1	542.4	1,019.3	927.6	91.71	11.115		
10,600.0	7,740.0	10,439.3	7,500.0	49.4	49.5	-76.38	-2,564.1	542.4	1,019.3	924.3	94.97	10.733		
10,700.0	7,740.0	10,539.3	7,500.0	51.1	51.2	-76.38	-2,664.1	542.4	1,019.3	921.0	98.24	10.375		
10,800.0	7,740.0	10,639.3	7,500.0	52.7	52.8	-76.38	-2,764.1	542.4	1,019.3	917.8	101.53	10.039		
10,900.0	7,740.0	10,739.3	7,500.0	54.4	54.5	-76.38	-2,864.1	542.4	1,019.3	914.5	104.82	9.724		
11,000.0	7,740.0	10,839.3	7,500.0	56.1	56.2	-76.38	-2,964.1	542.4	1,019.3	911.2	108.12	9.427		
11,100.0	7,740.0	10,939.3	7,500.0	57.8	57.9	-76.38	-3,064.1	542.4	1,019.3	907.9	111.42	9.148		
11,200.0	7,740.0	11,039.3	7,500.0	59.5	59.5	-76.38	-3,164.1	542.4	1,019.3	904.5	114.74	8.884		
11,300.0	7,740.0	11,139.3	7,500.0	61.2	61.2	-76.38	-3,264.1	542.4	1,019.3	901.2	118.05	8.634		
11,400.0	7,740.0	11,239.3	7,500.0	62.9	62.9	-76.38	-3,364.1	542.4	1,019.3	897.9	121.38	8.398		
11,500.0	7,740.0	11,314.8	7,500.0	64.6	64.2	-76.39	-3,439.7	543.3	1,020.4	896.1	124.29	8.210		
11,600.0	7,740.0	11,400.0	7,500.0	66.3	65.7	-76.44	-3,524.8	546.6	1,024.2	896.8	127.36	8.042		
11,700.0	7,740.0	11,469.6	7,500.0	68.0	66.9	-76.50	-3,594.2	551.1	1,030.2	900.1	130.06	7.921		
11,800.0	7,740.0	11,569.4	7,500.0	69.7	68.6	-76.59	-3,693.7	558.1	1,037.0	903.5	133.43	7.771		
11,900.0	7,740.0	11,669.1	7,500.0	71.4	70.3	-76.67	-3,793.3	565.1	1,043.7	906.9	136.82	7.629		
12,000.0	7,740.0	11,768.9	7,500.0	73.1	72.0	-76.76	-3,892.8	572.0	1,050.5	910.3	140.21	7.493		
12,100.0	7,740.0	11,868.6	7,500.0	74.8	73.7	-76.85	-3,992.3	579.0	1,057.3	913.7	143.60	7.363		
12,200.0	7,740.0	11,968.4	7,500.0	76.5	75.4	-76.93	-4,091.8	585.9	1,064.1	917.1	147.00	7.239		
12,300.0	7,740.0	12,068.1	7,500.0	78.2	77.1	-77.02	-4,191.3	592.9	1,070.9	920.5	150.40	7.120		
12,400.0	7,740.0	12,167.9	7,500.0	79.9	78.9	-77.10	-4,290.8	599.9	1,077.7	923.9	153.81	7.007		
12,500.0	7,740.0	12,310.6	7,500.0	81.7	81.3	-77.19	-4,433.3	607.5	1,083.1	924.9	158.15	6.848		
12,600.0	7,740.0	12,438.9	7,500.0	83.4	83.5	-77.21	-4,561.6	608.8	1,083.9	921.9	162.02	6.690		
12,700.0	7,740.0	12,538.9	7,500.0	85.1	85.2	-77.21	-4,661.6	609.0	1,084.2	918.8	165.39	6.555		
12,800.0	7,740.0	12,638.9	7,500.0	86.8	87.0	-77.21	-4,761.6	609.3	1,084.4	915.6	168.77	6.425		
12,900.0	7,740.0	12,738.9	7,500.0	88.6	88.7	-77.22	-4,861.6	609.5	1,084.6	912.5	172.15	6.300		
13,000.0	7,740.0	12,838.9	7,500.0	90.3	90.4	-77.22	-4,961.6	609.7	1,084.8	909.3	175.53	6.180		
13,100.0	7,740.0	12,938.9	7,500.0	92.0	92.1	-77.22	-5,061.6	610.0	1,085.1	906.2	178.92	6.065		
13,200.0	7,740.0	13,038.9	7,500.0	93.7	93.9	-77.22	-5,161.6	610.2	1,085.3	903.0	182.30	5.953		
13,300.0	7,740.0	13,138.9	7,500.0	95.5	95.6	-77.23	-5,261.6	610.4	1,085.5	899.8	185.69	5.846		
13,400.0	7,740.0	13,238.9	7,500.0	97.2	97.3	-77.23	-5,361.6	610.7	1,085.8	896.7	189.08	5.742		
13,500.0	7,740.0	13,338.9	7,500.0	98.9	99.0	-77.23	-5,461.6	610.9	1,086.0	893.5	192.47	5.642		
13,600.0	7,740.0	13,438.9	7,500.0	100.7	100.8	-77.24	-5,561.6	611.2	1,086.2	890.4	195.86	5.546		
13,700.0	7,740.0	13,538.9	7,500.0	102.4	102.5	-77.24	-5,661.6	611.4	1,086.5	887.2	199.25	5.453		
13,800.0	7,740.0	13,638.9	7,500.0	104.1	104.2	-77.24	-5,761.6	611.6	1,086.7	884.1	202.65	5.363		
13,900.0	7,740.0	13,738.9	7,500.0	105.9	105.9	-77.24	-5,861.6	611.9	1,086.9	880.9	206.04	5.275		
14,000.0	7,740.0	13,838.9	7,500.0	107.6	107.7	-77.25	-5,961.6	612.1	1,087.2	877.7	209.43	5.191		
14,100.0	7,740.0	13,938.9	7,500.0	109.3	109.4	-77.25	-6,061.6	612.3	1,087.4	874.6	212.83	5.109		
14,200.0	7,740.0	14,038.9	7,500.0	111.1	111.1	-77.25	-6,161.6	612.6	1,087.6	871.4	216.23	5.030		
14,300.0	7,740.0	14,138.9	7,500.0	112.8	112.9	-77.25	-6,261.6	612.8	1,087.9	868.2	219.63	4.953		
14,400.0	7,740.0	14,238.9	7,500.0	114.5	114.6	-77.26	-6,361.6	613.1	1,088.1	865.1	223.03	4.879		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2D-7H-E168 - HZ - Plan #3										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	
14,500.0	7,740.0	14,338.9	7,500.0	116.3	116.4	-77.26	-6,461.6	613.3	1,088.3	861.9	226.43	4.806	
14,600.0	7,740.0	14,438.9	7,500.0	118.0	118.1	-77.26	-6,561.6	613.5	1,088.5	858.7	229.83	4.736	
14,700.0	7,740.0	14,538.9	7,500.0	119.7	119.8	-77.27	-6,661.6	613.8	1,088.8	855.6	233.23	4.668	
14,800.0	7,740.0	14,638.9	7,500.0	121.5	121.6	-77.27	-6,761.6	614.0	1,089.0	852.4	236.63	4.602	
14,900.0	7,740.0	14,738.9	7,500.0	123.2	123.3	-77.27	-6,861.6	614.2	1,089.2	849.2	240.04	4.538	
15,000.0	7,740.0	14,838.9	7,500.0	125.0	125.0	-77.27	-6,961.6	614.5	1,089.5	846.0	243.44	4.475	
15,100.0	7,740.0	14,938.9	7,500.0	126.7	126.8	-77.28	-7,061.6	614.7	1,089.7	842.9	246.84	4.415	
15,200.0	7,740.0	15,038.9	7,500.0	128.4	128.5	-77.28	-7,161.6	615.0	1,089.9	839.7	250.25	4.355	
15,300.0	7,740.0	15,138.9	7,500.0	130.2	130.2	-77.28	-7,261.6	615.2	1,090.2	836.5	253.65	4.298	
15,400.0	7,740.0	15,238.9	7,500.0	131.9	132.0	-77.28	-7,361.6	615.4	1,090.4	833.3	257.06	4.242	
15,500.0	7,740.0	15,338.9	7,500.0	133.7	133.7	-77.29	-7,461.6	615.7	1,090.6	830.2	260.47	4.187	
15,600.0	7,740.0	15,438.9	7,500.0	135.4	135.5	-77.29	-7,561.6	615.9	1,090.9	827.0	263.88	4.134	
15,700.0	7,740.0	15,538.9	7,500.0	137.2	137.2	-77.29	-7,661.6	616.1	1,091.1	823.8	267.28	4.082	
15,800.0	7,740.0	15,638.9	7,500.0	138.9	138.9	-77.30	-7,761.6	616.4	1,091.3	820.6	270.69	4.032	
15,900.0	7,740.0	15,738.9	7,500.0	140.6	140.7	-77.30	-7,861.6	616.6	1,091.6	817.5	274.10	3.982	
15,949.8	7,740.0	15,788.7	7,500.0	141.5	141.6	-77.30	-7,911.4	616.7	1,091.7	815.9	275.80	3.958 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2E-7H-E168 - HZ - Plan #4												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	89.98	0.0	29.9	29.9				
100.0	100.0	100.0	100.0	0.2	0.2	89.98	0.0	29.9	29.9	29.6	0.30	98.612	CC, ES
200.0	200.0	200.0	200.0	0.3	0.3	89.98	0.0	29.9	29.9	29.3	0.65	45.878	
300.0	300.0	300.0	300.0	0.5	0.5	130.20	0.0	29.9	30.5	29.5	1.00	30.431	
400.0	400.0	400.0	400.0	0.7	0.7	133.74	0.0	29.9	32.3	30.9	1.35	23.821	
500.0	499.9	499.9	499.9	0.9	0.8	138.82	0.0	29.9	35.4	33.7	1.71	20.731	
600.0	599.7	599.7	599.7	1.1	1.0	144.53	0.0	29.9	40.2	38.1	2.06	19.487	
700.0	699.4	699.4	699.4	1.3	1.2	150.07	0.0	29.9	46.8	44.4	2.42	19.364	
760.9	760.0	760.0	760.0	1.4	1.3	153.16	0.0	29.9	51.8	49.2	2.63	19.667	
800.0	798.9	798.9	798.9	1.5	1.4	154.94	0.0	29.9	55.2	52.5	2.77	19.935	
900.0	898.4	898.4	898.4	1.7	1.5	158.64	0.0	29.9	64.2	61.1	3.12	20.584	
1,000.0	998.0	998.0	998.0	2.0	1.7	161.42	0.0	29.9	73.4	69.9	3.47	21.167	
1,100.0	1,097.5	1,097.1	1,097.1	2.2	1.9	163.02	0.5	30.6	83.0	79.2	3.82	21.741	
1,200.0	1,197.0	1,196.1	1,196.1	2.5	2.1	163.27	2.1	32.6	93.1	88.9	4.17	22.323	
1,300.0	1,296.5	1,295.0	1,294.9	2.7	2.2	162.56	4.8	35.9	103.7	99.2	4.53	22.893	
1,400.0	1,396.0	1,393.8	1,393.5	2.9	2.4	161.18	8.5	40.5	114.9	110.0	4.90	23.448	
1,500.0	1,495.6	1,492.3	1,491.7	3.2	2.6	159.31	13.2	46.5	126.7	121.4	5.28	23.994	
1,600.0	1,595.1	1,590.5	1,589.5	3.4	2.8	157.13	19.0	53.7	139.3	133.7	5.68	24.541	
1,700.0	1,694.6	1,688.4	1,686.7	3.7	3.0	154.73	25.8	62.2	152.8	146.8	6.09	25.100	
1,800.0	1,794.1	1,785.8	1,783.4	3.9	3.3	152.22	33.6	72.0	167.4	160.8	6.52	25.683	
1,900.0	1,893.7	1,882.8	1,879.3	4.1	3.5	149.67	42.4	83.0	183.0	176.0	6.96	26.301	
2,000.0	1,993.2	1,980.5	1,975.8	4.4	3.8	147.19	52.0	95.1	199.6	192.2	7.41	26.938	
2,100.0	2,092.7	2,078.8	2,072.8	4.6	4.1	145.05	61.8	107.3	216.7	208.8	7.87	27.530	
2,200.0	2,192.2	2,177.0	2,169.8	4.9	4.3	143.23	71.5	119.5	233.9	225.6	8.33	28.085	
2,300.0	2,291.7	2,275.3	2,266.8	5.1	4.6	141.66	81.3	131.7	251.4	242.6	8.79	28.605	
2,400.0	2,391.3	2,373.5	2,363.8	5.4	4.9	140.29	91.0	144.0	269.0	259.8	9.25	29.092	
2,500.0	2,490.8	2,471.8	2,460.8	5.6	5.2	139.09	100.8	156.2	286.8	277.1	9.71	29.548	
2,600.0	2,590.3	2,570.0	2,557.8	5.8	5.5	138.03	110.5	168.4	304.6	294.5	10.16	29.975	
2,700.0	2,689.8	2,668.2	2,654.8	6.1	5.8	137.09	120.3	180.6	322.6	312.0	10.62	30.376	
2,800.0	2,789.3	2,766.5	2,751.7	6.3	6.1	136.24	130.0	192.8	340.6	329.6	11.08	30.752	
2,900.0	2,888.9	2,864.7	2,848.7	6.6	6.4	135.48	139.8	205.0	358.7	347.2	11.53	31.105	
3,000.0	2,988.4	2,963.0	2,945.7	6.8	6.7	134.80	149.6	217.3	376.9	364.9	11.99	31.438	
3,100.0	3,087.9	3,061.2	3,042.7	7.1	7.0	134.18	159.3	229.5	395.1	382.6	12.44	31.751	
3,200.0	3,187.4	3,159.5	3,139.7	7.3	7.4	133.61	169.1	241.7	413.3	400.4	12.90	32.046	
3,300.0	3,286.9	3,257.7	3,236.7	7.5	7.7	133.09	178.8	253.9	431.6	418.3	13.35	32.325	
3,400.0	3,386.5	3,355.9	3,333.7	7.8	8.0	132.61	188.6	266.1	449.9	436.1	13.81	32.589	
3,500.0	3,486.0	3,454.2	3,430.7	8.0	8.3	132.17	198.3	278.4	468.3	454.0	14.26	32.839	
3,600.0	3,585.5	3,552.4	3,527.7	8.3	8.6	131.76	208.1	290.6	486.6	471.9	14.71	33.075	
3,700.0	3,685.0	3,650.7	3,624.7	8.5	8.9	131.39	217.8	302.8	505.0	489.8	15.17	33.300	
3,800.0	3,784.6	3,748.9	3,721.7	8.8	9.2	131.03	227.6	315.0	523.4	507.8	15.62	33.514	
3,900.0	3,884.1	3,847.2	3,818.6	9.0	9.6	130.71	237.3	327.2	541.8	525.8	16.07	33.717	
4,000.0	3,983.6	3,945.4	3,915.6	9.3	9.9	130.40	247.1	339.5	560.3	543.7	16.52	33.910	
4,100.0	4,083.1	4,043.6	4,012.6	9.5	10.2	130.12	256.9	351.7	578.7	561.7	16.97	34.094	
4,200.0	4,182.6	4,141.9	4,109.6	9.7	10.5	129.85	266.6	363.9	597.2	579.8	17.43	34.270	
4,300.0	4,282.2	4,240.1	4,206.6	10.0	10.8	129.59	276.4	376.1	615.7	597.8	17.88	34.438	
4,400.0	4,381.7	4,338.4	4,303.6	10.2	11.1	129.36	286.1	388.3	634.1	615.8	18.33	34.599	
4,500.0	4,481.2	4,436.6	4,400.6	10.5	11.5	129.13	295.9	400.6	652.6	633.9	18.78	34.753	
4,600.0	4,580.7	4,534.9	4,497.6	10.7	11.8	128.92	305.6	412.8	671.1	651.9	19.23	34.900	
4,700.0	4,680.2	4,633.1	4,594.6	11.0	12.1	128.72	315.4	425.0	689.7	670.0	19.68	35.041	
4,800.0	4,779.8	4,731.3	4,691.6	11.2	12.4	128.53	325.1	437.2	708.2	688.1	20.13	35.177	
4,900.0	4,879.3	4,829.6	4,788.6	11.4	12.7	128.35	334.9	449.4	726.7	706.1	20.58	35.307	
5,000.0	4,978.8	4,927.8	4,885.5	11.7	13.1	128.18	344.6	461.7	745.3	724.2	21.03	35.432	

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2E-7H-E168 - HZ - Plan #4													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,078.3	5,026.1	4,982.5	11.9	13.4	128.02	354.4	473.9	763.8	742.3	21.48	35.552		
5,200.0	5,177.9	5,124.3	5,079.5	12.2	13.7	127.86	364.2	486.1	782.3	760.4	21.93	35.667		
5,300.0	5,277.4	5,222.6	5,176.5	12.4	14.0	127.71	373.9	498.3	800.9	778.5	22.38	35.779		
5,400.0	5,376.9	5,320.8	5,273.5	12.7	14.3	127.57	383.7	510.5	819.5	796.6	22.83	35.886		
5,500.0	5,476.4	5,419.0	5,370.5	12.9	14.7	127.43	393.4	522.7	838.0	814.7	23.29	35.989		
5,600.0	5,575.9	5,517.3	5,467.5	13.2	15.0	127.31	403.2	535.0	856.6	832.8	23.74	36.089		
5,700.0	5,675.5	5,615.5	5,564.5	13.4	15.3	127.18	412.9	547.2	875.2	851.0	24.19	36.186		
5,800.0	5,775.0	5,713.8	5,661.5	13.6	15.6	127.06	422.7	559.4	893.7	869.1	24.64	36.279		
5,900.0	5,874.5	5,812.0	5,758.5	13.9	15.9	126.95	432.4	571.6	912.3	887.2	25.08	36.369		
6,000.0	5,974.0	5,910.3	5,855.5	14.1	16.3	126.84	442.2	583.8	930.9	905.4	25.53	36.456		
6,100.0	6,073.5	6,008.5	5,952.4	14.4	16.6	126.73	451.9	596.1	949.5	923.5	25.98	36.540		
6,200.0	6,173.1	6,106.7	6,049.4	14.6	16.9	126.63	461.7	608.3	968.1	941.6	26.43	36.622		
6,300.0	6,272.6	6,205.0	6,146.4	14.9	17.2	126.54	471.5	620.5	986.7	959.8	26.88	36.701		
6,400.0	6,372.1	6,303.2	6,243.4	15.1	17.6	126.44	481.2	632.7	1,005.3	977.9	27.33	36.777		
6,500.0	6,471.6	6,401.5	6,340.4	15.4	17.9	126.35	491.0	644.9	1,023.8	996.1	27.78	36.851		
6,600.0	6,571.1	6,499.7	6,437.4	15.6	18.2	126.27	500.7	657.2	1,042.4	1,014.2	28.23	36.923		
6,700.0	6,670.7	6,598.0	6,534.4	15.8	18.5	126.18	510.5	669.4	1,061.0	1,032.4	28.68	36.993		
6,800.0	6,770.2	6,696.2	6,631.4	16.1	18.8	126.10	520.2	681.6	1,079.6	1,050.5	29.13	37.061		
6,900.0	6,869.7	6,794.4	6,728.4	16.3	19.2	126.02	530.0	693.8	1,098.3	1,068.7	29.58	37.127		
7,000.0	6,969.2	6,892.7	6,825.4	16.6	19.5	125.95	539.7	706.0	1,116.9	1,086.8	30.03	37.191		
7,100.0	7,068.8	6,990.9	6,922.4	16.8	19.8	125.87	549.5	718.3	1,135.5	1,105.0	30.48	37.253		
7,156.2	7,124.7	7,046.1	6,976.8	17.0	20.0	125.83	555.0	725.1	1,145.9	1,115.2	30.73	37.287		
7,200.0	7,168.4	7,089.1	7,019.3	17.0	20.1	177.84	559.2	730.5	1,154.2	1,123.3	30.89	37.365		
7,250.0	7,218.2	7,137.7	7,067.3	17.1	20.3	-127.08	564.1	736.5	1,163.8	1,132.8	31.01	37.530		
7,300.0	7,267.7	7,185.5	7,114.4	17.1	20.4	-110.95	568.8	742.5	1,173.6	1,142.5	31.07	37.774		
7,350.0	7,316.4	7,232.2	7,160.7	17.1	20.6	-104.42	572.0	748.4	1,183.6	1,152.6	31.04	38.133		
7,400.0	7,363.9	7,279.8	7,207.8	17.0	20.7	-100.86	571.4	754.7	1,193.9	1,163.0	30.94	38.591		
7,450.0	7,410.0	7,328.5	7,255.8	16.9	20.7	-98.54	566.8	761.4	1,204.4	1,173.6	30.77	39.141		
7,500.0	7,454.3	7,378.5	7,304.4	16.8	20.8	-96.89	557.7	768.5	1,214.9	1,184.4	30.54	39.778		
7,550.0	7,496.3	7,429.9	7,353.3	16.7	20.8	-95.61	544.0	776.0	1,225.4	1,195.2	30.26	40.493		
7,600.0	7,535.9	7,482.7	7,402.2	16.5	20.8	-94.59	525.4	783.8	1,235.9	1,206.0	29.94	41.274		
7,650.0	7,572.7	7,537.3	7,450.5	16.4	20.7	-93.74	501.4	791.9	1,246.2	1,216.6	29.60	42.108		
7,700.0	7,606.4	7,593.6	7,497.7	16.3	20.7	-93.03	472.0	800.2	1,256.2	1,227.0	29.23	42.972		
7,750.0	7,636.7	7,651.8	7,543.2	16.2	20.6	-92.42	436.7	808.7	1,265.8	1,237.0	28.87	43.841		
7,800.0	7,663.5	7,711.9	7,586.2	16.1	20.5	-91.90	395.6	817.3	1,275.0	1,246.5	28.54	44.678		
7,850.0	7,686.5	7,774.1	7,625.9	16.0	20.4	-91.46	348.5	825.9	1,283.6	1,255.4	28.25	45.441		
7,900.0	7,705.6	7,838.3	7,661.2	16.0	20.3	-91.07	295.6	834.3	1,291.6	1,263.6	28.03	46.084		
7,950.0	7,720.6	7,904.5	7,691.2	16.0	20.3	-90.74	237.3	842.4	1,298.8	1,270.9	27.90	46.555		
8,000.0	7,731.4	7,972.4	7,714.8	16.0	20.3	-90.45	174.0	849.9	1,305.1	1,277.2	27.89	46.793		
8,050.0	7,737.8	8,041.9	7,731.1	16.1	20.3	-90.19	106.9	856.8	1,310.5	1,282.5	28.01	46.788		
8,099.8	7,740.0	8,112.3	7,739.1	16.2	20.4	-89.96	37.2	862.7	1,314.8	1,286.6	28.28	46.491		
8,200.0	7,740.0	8,221.7	7,740.0	16.6	20.7	-90.00	-71.9	870.5	1,321.9	1,292.8	29.09	45.442		
8,300.0	7,740.0	8,321.5	7,740.0	17.2	21.1	-90.00	-171.4	877.4	1,328.9	1,298.6	30.26	43.909		
8,400.0	7,740.0	8,421.2	7,740.0	17.9	21.7	-90.00	-270.9	884.4	1,335.9	1,304.1	31.77	42.042		
8,500.0	7,740.0	8,544.6	7,740.0	18.8	22.5	-90.00	-394.1	892.1	1,342.2	1,308.4	33.78	39.730		
8,600.0	7,740.0	8,675.2	7,740.0	19.8	23.5	-90.00	-524.5	897.4	1,346.2	1,310.1	36.12	37.270		
8,700.0	7,740.0	8,805.9	7,740.0	20.9	24.7	-90.00	-655.2	899.8	1,348.0	1,309.3	38.70	34.830		
8,800.0	7,740.0	8,914.8	7,740.0	22.0	25.8	-90.00	-764.1	899.9	1,348.1	1,306.8	41.29	32.647		
8,900.0	7,740.0	9,014.8	7,740.0	23.3	26.8	-90.00	-864.1	899.9	1,348.1	1,304.2	43.94	30.682		
9,000.0	7,740.0	9,114.8	7,740.0	24.6	28.0	-90.00	-964.1	899.9	1,348.1	1,301.4	46.70	28.869		
9,100.0	7,740.0	9,214.8	7,740.0	25.9	29.2	-90.00	-1,064.1	899.9	1,348.1	1,298.6	49.55	27.206		
9,200.0	7,740.0	9,314.8	7,740.0	27.3	30.4	-90.00	-1,164.1	899.9	1,348.1	1,295.7	52.48	25.686		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2E-7H-E168 - HZ - Plan #4										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	
9,300.0	7,740.0	9,401.4	7,740.0	28.8	31.6	-90.00	-1,250.7	900.2	1,348.5	1,293.2	55.34	24.368	
9,400.0	7,740.0	9,501.4	7,740.0	30.3	32.9	-90.00	-1,350.7	901.2	1,349.5	1,291.1	58.39	23.110	
9,500.0	7,740.0	9,601.4	7,740.0	31.8	34.3	-90.00	-1,450.7	902.2	1,350.5	1,289.0	61.50	21.960	
9,600.0	7,740.0	9,701.4	7,740.0	33.3	35.7	-90.00	-1,550.7	903.2	1,351.5	1,286.8	64.64	20.907	
9,700.0	7,740.0	9,801.4	7,740.0	34.8	37.2	-90.00	-1,650.7	904.2	1,352.5	1,284.7	67.82	19.941	
9,800.0	7,740.0	9,901.4	7,740.0	36.4	38.6	-90.00	-1,750.6	905.2	1,353.5	1,282.4	71.03	19.054	
9,900.0	7,740.0	10,001.3	7,740.0	38.0	40.1	-90.00	-1,850.6	906.2	1,354.5	1,280.2	74.27	18.237	
10,000.0	7,740.0	10,101.3	7,740.0	39.6	41.6	-90.00	-1,950.6	907.2	1,355.5	1,277.9	77.53	17.482	
10,100.0	7,740.0	10,201.3	7,740.0	41.2	43.2	-90.00	-2,050.6	908.2	1,356.5	1,275.6	80.82	16.785	
10,200.0	7,740.0	10,301.3	7,740.0	42.8	44.7	-90.00	-2,150.6	909.2	1,357.5	1,273.3	84.12	16.138	
10,300.0	7,740.0	10,401.3	7,740.0	44.5	46.3	-90.00	-2,250.6	910.2	1,358.5	1,271.0	87.43	15.537	
10,400.0	7,740.0	10,501.3	7,740.0	46.1	47.9	-90.00	-2,350.6	911.1	1,359.4	1,268.7	90.76	14.978	
10,500.0	7,740.0	10,601.3	7,740.0	47.8	49.4	-90.00	-2,450.6	912.1	1,360.4	1,266.3	94.11	14.456	
10,600.0	7,740.0	10,701.3	7,740.0	49.4	51.0	-90.00	-2,550.6	913.1	1,361.4	1,264.0	97.46	13.969	
10,700.0	7,740.0	10,801.3	7,740.0	51.1	52.6	-90.00	-2,650.6	914.1	1,362.4	1,261.6	100.83	13.512	
10,800.0	7,740.0	10,901.3	7,740.0	52.7	54.3	-90.00	-2,750.5	915.1	1,363.4	1,259.2	104.20	13.084	
10,900.0	7,740.0	11,001.3	7,740.0	54.4	55.9	-90.00	-2,850.5	916.1	1,364.4	1,256.8	107.59	12.682	
11,000.0	7,740.0	11,101.3	7,740.0	56.1	57.5	-90.00	-2,950.5	917.1	1,365.4	1,254.4	110.98	12.303	
11,100.0	7,740.0	11,201.3	7,740.0	57.8	59.2	-90.00	-3,050.5	918.1	1,366.4	1,252.0	114.38	11.947	
11,200.0	7,740.0	11,301.3	7,740.0	59.5	60.8	-90.00	-3,150.5	919.1	1,367.4	1,249.6	117.78	11.610	
11,300.0	7,740.0	11,401.3	7,740.0	61.2	62.5	-90.00	-3,250.5	920.1	1,368.4	1,247.2	121.19	11.291	
11,400.0	7,740.0	11,501.3	7,740.0	62.9	64.1	-90.00	-3,350.5	921.1	1,369.4	1,244.8	124.61	10.990	
11,500.0	7,740.0	11,601.3	7,740.0	64.6	65.8	-90.00	-3,450.5	922.1	1,370.4	1,242.4	128.03	10.704	
11,600.0	7,740.0	11,701.3	7,740.0	66.3	67.5	-90.00	-3,550.5	923.1	1,371.4	1,239.9	131.46	10.432	
11,700.0	7,740.0	11,801.3	7,740.0	68.0	69.1	-90.00	-3,650.5	924.1	1,372.4	1,237.5	134.88	10.175	
11,800.0	7,740.0	11,901.3	7,740.0	69.7	70.8	-90.00	-3,750.4	925.1	1,373.4	1,235.1	138.32	9.929	
11,900.0	7,740.0	12,001.2	7,740.0	71.4	72.5	-90.00	-3,850.4	926.1	1,374.4	1,232.6	141.76	9.695	
12,000.0	7,740.0	12,101.2	7,740.0	73.1	74.2	-90.00	-3,950.4	927.1	1,375.4	1,230.2	145.20	9.472	
12,100.0	7,740.0	12,201.2	7,740.0	74.8	75.9	-90.00	-4,050.4	928.1	1,376.4	1,227.7	148.64	9.260	
12,200.0	7,740.0	12,301.2	7,740.0	76.5	77.5	-90.00	-4,150.4	929.1	1,377.4	1,225.3	152.09	9.056	
12,300.0	7,740.0	12,401.2	7,740.0	78.2	79.2	-90.00	-4,250.4	930.1	1,378.4	1,222.8	155.54	8.862	
12,400.0	7,740.0	12,501.2	7,740.0	79.9	80.9	-90.00	-4,350.4	931.1	1,379.4	1,220.4	158.99	8.676	
12,500.0	7,740.0	12,601.2	7,740.0	81.7	82.6	-90.00	-4,450.4	932.1	1,380.4	1,217.9	162.44	8.497	
12,600.0	7,740.0	12,701.2	7,740.0	83.4	84.3	-90.00	-4,550.4	933.1	1,381.4	1,215.4	165.90	8.326	
12,700.0	7,740.0	12,801.2	7,740.0	85.1	86.0	-90.00	-4,650.4	934.0	1,382.3	1,213.0	169.36	8.162	
12,800.0	7,740.0	12,901.2	7,740.0	86.8	87.7	-90.00	-4,750.3	935.0	1,383.3	1,210.5	172.82	8.004	
12,900.0	7,740.0	13,001.2	7,740.0	88.6	89.4	-90.00	-4,850.3	936.0	1,384.3	1,208.1	176.28	7.853	
13,000.0	7,740.0	13,101.2	7,740.0	90.3	91.1	-90.00	-4,950.3	937.0	1,385.3	1,205.6	179.75	7.707	
13,100.0	7,740.0	13,201.2	7,740.0	92.0	92.9	-90.00	-5,050.3	938.0	1,386.3	1,203.1	183.21	7.567	
13,200.0	7,740.0	13,301.2	7,740.0	93.7	94.6	-90.00	-5,150.3	939.0	1,387.3	1,200.6	186.68	7.431	
13,300.0	7,740.0	13,401.2	7,740.0	95.5	96.3	-90.00	-5,250.3	940.0	1,388.3	1,198.2	190.15	7.301	
13,400.0	7,740.0	13,501.2	7,740.0	97.2	98.0	-90.00	-5,350.3	941.0	1,389.3	1,195.7	193.62	7.175	
13,500.0	7,740.0	13,601.2	7,740.0	98.9	99.7	-90.00	-5,450.3	942.0	1,390.3	1,193.2	197.09	7.054	
13,600.0	7,740.0	13,701.2	7,740.0	100.7	101.4	-90.00	-5,550.3	943.0	1,391.3	1,190.7	200.57	6.937	
13,700.0	7,740.0	13,801.2	7,740.0	102.4	103.1	-90.00	-5,650.3	944.0	1,392.3	1,188.3	204.04	6.824	
13,800.0	7,740.0	13,901.2	7,740.0	104.1	104.9	-90.00	-5,750.2	945.0	1,393.3	1,185.8	207.52	6.714	
13,900.0	7,740.0	14,001.1	7,740.0	105.9	106.6	-90.00	-5,850.2	946.0	1,394.3	1,183.3	210.99	6.608	
14,000.0	7,740.0	14,101.1	7,740.0	107.6	108.3	-90.00	-5,950.2	947.0	1,395.3	1,180.8	214.47	6.506	
14,100.0	7,740.0	14,201.1	7,740.0	109.3	110.0	-90.00	-6,050.2	948.0	1,396.3	1,178.3	217.95	6.406	
14,200.0	7,740.0	14,301.1	7,740.0	111.1	111.8	-90.00	-6,150.2	949.0	1,397.3	1,175.9	221.43	6.310	
14,300.0	7,740.0	14,401.1	7,740.0	112.8	113.5	-90.00	-6,250.2	950.0	1,398.3	1,173.4	224.91	6.217	
14,400.0	7,740.0	14,501.1	7,740.0	114.5	115.2	-90.00	-6,350.2	951.0	1,399.3	1,170.9	228.39	6.127	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design										S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2E-7H-E168 - HZ - Plan #4				Offset Site Error:		0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:		0.0 ft		
Reference		Offset		Semi Major Axis			Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning			
14,500.0	7,740.0	14,601.1	7,740.0	116.3	116.9	-90.00	-6,450.2	952.0	1,400.3	1,168.4	231.87	6.039				
14,600.0	7,740.0	14,701.1	7,740.0	118.0	118.7	-90.00	-6,550.2	953.0	1,401.3	1,165.9	235.36	5.954				
14,700.0	7,740.0	14,801.1	7,740.0	119.7	120.4	-90.00	-6,650.2	954.0	1,402.3	1,163.4	238.84	5.871				
14,800.0	7,740.0	14,901.1	7,740.0	121.5	122.1	-90.00	-6,750.1	955.0	1,403.3	1,160.9	242.32	5.791				
14,900.0	7,740.0	15,001.1	7,740.0	123.2	123.8	-90.00	-6,850.1	955.9	1,404.2	1,158.4	245.81	5.713				
15,000.0	7,740.0	15,101.1	7,740.0	125.0	125.6	-90.00	-6,950.1	956.9	1,405.2	1,156.0	249.29	5.637				
15,100.0	7,740.0	15,201.1	7,740.0	126.7	127.3	-90.00	-7,050.1	957.9	1,406.2	1,153.5	252.78	5.563				
15,200.0	7,740.0	15,301.1	7,740.0	128.4	129.0	-90.00	-7,150.1	958.9	1,407.2	1,151.0	256.27	5.491				
15,300.0	7,740.0	15,401.1	7,740.0	130.2	130.8	-90.00	-7,250.1	959.9	1,408.2	1,148.5	259.75	5.421				
15,400.0	7,740.0	15,501.1	7,740.0	131.9	132.5	-90.00	-7,350.1	960.9	1,409.2	1,146.0	263.24	5.353				
15,500.0	7,740.0	15,601.1	7,740.0	133.7	134.2	-90.00	-7,450.1	961.9	1,410.2	1,143.5	266.73	5.287				
15,600.0	7,740.0	15,701.1	7,740.0	135.4	136.0	-90.00	-7,550.1	962.9	1,411.2	1,141.0	270.22	5.223				
15,700.0	7,740.0	15,801.1	7,740.0	137.2	137.7	-90.00	-7,650.1	963.9	1,412.2	1,138.5	273.71	5.160				
15,800.0	7,740.0	15,901.1	7,740.0	138.9	139.4	-90.00	-7,750.1	964.9	1,413.2	1,136.0	277.20	5.098				
15,900.0	7,740.0	16,001.1	7,740.0	140.6	141.2	-90.00	-7,850.0	965.9	1,414.2	1,133.5	280.69	5.038				
15,949.8	7,740.0	16,050.8	7,740.0	141.5	142.0	-90.00	-7,899.8	966.4	1,414.7	1,132.3	282.43	5.009 SF				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2F-7H-E168 - HZ - Plan #3													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	89.98	0.0	37.5	37.5					
100.0	100.0	100.0	100.0	0.2	0.2	89.98	0.0	37.5	37.5	37.2	0.30	123.495	CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	89.98	0.0	37.5	37.5	36.9	0.65	57.455		
300.0	300.0	300.0	300.0	0.5	0.5	129.95	0.0	37.5	38.1	37.1	1.00	37.969		
400.0	400.0	399.3	399.3	0.7	0.7	132.25	0.4	38.3	40.6	39.2	1.35	29.976		
500.0	499.9	498.5	498.5	0.9	0.9	134.76	1.4	40.7	45.9	44.1	1.71	26.851		
600.0	599.7	597.4	597.3	1.1	1.0	137.03	3.1	44.6	54.0	51.9	2.07	26.092		
700.0	699.4	696.0	695.6	1.3	1.2	138.85	5.5	50.0	64.9	62.4	2.44	26.627		
760.9	760.0	755.7	755.2	1.4	1.4	139.73	7.3	54.1	72.9	70.2	2.66	27.345		
800.0	798.9	794.0	793.4	1.5	1.4	140.18	8.5	57.0	78.5	75.6	2.81	27.896		
900.0	898.4	891.6	890.6	1.7	1.7	140.68	12.2	65.5	93.7	90.5	3.19	29.321		
1,000.0	998.0	988.8	987.2	2.0	1.9	140.52	16.6	75.4	110.3	106.7	3.59	30.761		
1,100.0	1,097.5	1,085.6	1,083.1	2.2	2.2	139.97	21.6	86.8	128.2	124.3	3.98	32.206		
1,200.0	1,197.0	1,181.8	1,178.3	2.5	2.4	139.20	27.2	99.5	147.6	143.2	4.38	33.656		
1,300.0	1,296.5	1,277.4	1,272.6	2.7	2.7	138.29	33.3	113.7	168.3	163.5	4.79	35.114		
1,400.0	1,396.0	1,372.3	1,366.1	2.9	3.1	137.33	40.1	129.2	190.4	185.2	5.21	36.584		
1,500.0	1,495.6	1,466.6	1,458.6	3.2	3.4	136.33	47.5	145.9	214.0	208.4	5.62	38.072		
1,600.0	1,595.1	1,562.6	1,552.5	3.4	3.8	135.37	55.4	164.1	238.6	232.6	6.05	39.464		
1,700.0	1,694.6	1,659.4	1,647.2	3.7	4.1	134.58	63.4	182.4	263.3	256.9	6.48	40.658		
1,800.0	1,794.1	1,756.2	1,741.9	3.9	4.5	133.92	71.5	200.8	288.1	281.2	6.91	41.707		
1,900.0	1,893.7	1,853.1	1,836.7	4.1	4.9	133.36	79.5	219.2	312.9	305.6	7.34	42.636		
2,000.0	1,993.2	1,949.9	1,931.4	4.4	5.3	132.89	87.5	237.5	337.8	330.0	7.77	43.464		
2,100.0	2,092.7	2,046.7	2,026.2	4.6	5.6	132.48	95.6	255.9	362.6	354.4	8.20	44.207		
2,200.0	2,192.2	2,143.6	2,120.9	4.9	6.0	132.12	103.6	274.2	387.5	378.9	8.63	44.876		
2,300.0	2,291.7	2,240.4	2,215.6	5.1	6.4	131.81	111.6	292.6	412.4	403.3	9.07	45.483		
2,400.0	2,391.3	2,337.2	2,310.4	5.4	6.8	131.53	119.7	310.9	437.3	427.8	9.50	46.036		
2,500.0	2,490.8	2,434.1	2,405.1	5.6	7.2	131.28	127.7	329.3	462.2	452.2	9.93	46.540		
2,600.0	2,590.3	2,530.9	2,499.8	5.8	7.6	131.06	135.7	347.7	487.1	476.7	10.36	47.004		
2,700.0	2,689.8	2,627.7	2,594.6	6.1	8.0	130.86	143.8	366.0	512.0	501.2	10.79	47.430		
2,800.0	2,789.3	2,724.6	2,689.3	6.3	8.4	130.68	151.8	384.4	536.9	525.7	11.23	47.824		
2,900.0	2,888.9	2,821.4	2,784.0	6.6	8.7	130.51	159.8	402.7	561.8	550.2	11.66	48.189		
3,000.0	2,988.4	2,918.2	2,878.8	6.8	9.1	130.36	167.9	421.1	586.8	574.7	12.09	48.528		
3,100.0	3,087.9	3,015.1	2,973.5	7.1	9.5	130.22	175.9	439.5	611.7	599.2	12.52	48.844		
3,200.0	3,187.4	3,111.9	3,068.2	7.3	9.9	130.09	183.9	457.8	636.6	623.7	12.96	49.139		
3,300.0	3,286.9	3,208.7	3,163.0	7.5	10.3	129.97	192.0	476.2	661.6	648.2	13.39	49.415		
3,400.0	3,386.5	3,305.6	3,257.7	7.8	10.7	129.86	200.0	494.5	686.5	672.7	13.82	49.674		
3,500.0	3,486.0	3,402.4	3,352.5	8.0	11.1	129.76	208.0	512.9	711.4	697.2	14.25	49.917		
3,600.0	3,585.5	3,499.2	3,447.2	8.3	11.5	129.66	216.1	531.3	736.4	721.7	14.68	50.146		
3,700.0	3,685.0	3,596.1	3,541.9	8.5	11.9	129.57	224.1	549.6	761.3	746.2	15.12	50.362		
3,800.0	3,784.6	3,692.9	3,636.7	8.8	12.3	129.49	232.1	568.0	786.3	770.7	15.55	50.566		
3,900.0	3,884.1	3,789.7	3,731.4	9.0	12.7	129.41	240.2	586.3	811.2	795.2	15.98	50.759		
4,000.0	3,983.6	3,886.6	3,826.1	9.3	13.0	129.34	248.2	604.7	836.2	819.8	16.41	50.942		
4,100.0	4,083.1	3,983.4	3,920.9	9.5	13.4	129.27	256.2	623.1	861.1	844.3	16.85	51.116		
4,200.0	4,182.6	4,080.2	4,015.6	9.7	13.8	129.20	264.3	641.4	886.1	868.8	17.28	51.281		
4,300.0	4,282.2	4,177.0	4,110.3	10.0	14.2	129.14	272.3	659.8	911.0	893.3	17.71	51.438		
4,400.0	4,381.7	4,273.9	4,205.1	10.2	14.6	129.08	280.3	678.1	936.0	917.8	18.14	51.587		
4,500.0	4,481.2	4,370.7	4,299.8	10.5	15.0	129.02	288.4	696.5	960.9	942.4	18.58	51.729		
4,600.0	4,580.7	4,467.5	4,394.5	10.7	15.4	128.97	296.4	714.9	985.9	966.9	19.01	51.865		
4,700.0	4,680.2	4,564.4	4,489.3	11.0	15.8	128.92	304.4	733.2	1,010.9	991.4	19.44	51.995		
4,800.0	4,779.8	4,661.2	4,584.0	11.2	16.2	128.87	312.5	751.6	1,035.8	1,015.9	19.87	52.120		
4,900.0	4,879.3	4,758.0	4,678.8	11.4	16.6	128.83	320.5	769.9	1,060.8	1,040.5	20.31	52.239		
5,000.0	4,978.8	4,854.9	4,773.5	11.7	17.0	128.78	328.5	788.3	1,085.7	1,065.0	20.74	52.353		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2F-7H-E168 - HZ - Plan #3													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,078.3	4,951.7	4,868.2	11.9	17.4	128.74	336.6	806.7	1,110.7	1,089.5	21.17	52.462		
5,200.0	5,177.9	5,048.5	4,963.0	12.2	17.8	128.70	344.6	825.0	1,135.6	1,114.0	21.60	52.567		
5,300.0	5,277.4	5,145.4	5,057.7	12.4	18.1	128.66	352.6	843.4	1,160.6	1,138.6	22.04	52.668		
5,400.0	5,376.9	5,242.2	5,152.4	12.7	18.5	128.63	360.7	861.7	1,185.6	1,163.1	22.47	52.765		
5,500.0	5,476.4	5,339.0	5,247.2	12.9	18.9	128.59	368.7	880.1	1,210.5	1,187.6	22.90	52.859		
5,600.0	5,575.9	5,435.9	5,341.9	13.2	19.3	128.56	376.7	898.4	1,235.5	1,212.2	23.33	52.949		
5,700.0	5,675.5	5,532.7	5,436.6	13.4	19.7	128.53	384.8	916.8	1,260.5	1,236.7	23.77	53.035		
5,800.0	5,775.0	5,629.5	5,531.4	13.6	20.1	128.50	392.8	935.2	1,285.4	1,261.2	24.20	53.119		
5,900.0	5,874.5	5,726.4	5,626.1	13.9	20.5	128.47	400.8	953.5	1,310.4	1,285.7	24.63	53.200		
6,000.0	5,974.0	5,823.2	5,720.8	14.1	20.9	128.44	408.9	971.9	1,335.3	1,310.3	25.06	53.278		
6,100.0	6,073.5	5,920.0	5,815.6	14.4	21.3	128.41	416.9	990.2	1,360.3	1,334.8	25.50	53.353		
6,200.0	6,173.1	6,016.9	5,910.3	14.6	21.7	128.38	424.9	1,008.6	1,385.3	1,359.3	25.93	53.426		
6,300.0	6,272.6	6,113.7	6,005.0	14.9	22.1	128.36	433.0	1,027.0	1,410.2	1,383.9	26.36	53.496		
6,400.0	6,372.1	6,210.5	6,099.8	15.1	22.5	128.33	441.0	1,045.3	1,435.2	1,408.4	26.79	53.564		
6,500.0	6,471.6	6,307.4	6,194.5	15.4	22.9	128.31	449.0	1,063.7	1,460.2	1,432.9	27.23	53.630		
6,600.0	6,571.1	6,404.2	6,289.3	15.6	23.3	128.29	457.1	1,082.0	1,485.1	1,457.5	27.66	53.694		
6,700.0	6,670.7	6,501.0	6,384.0	15.8	23.7	128.26	465.1	1,100.4	1,510.1	1,482.0	28.09	53.756		
6,800.0	6,770.2	6,597.8	6,478.7	16.1	24.0	128.24	473.1	1,118.8	1,535.1	1,506.5	28.52	53.816		
6,900.0	6,869.7	6,694.7	6,573.5	16.3	24.4	128.22	481.2	1,137.1	1,560.0	1,531.1	28.96	53.874		
7,000.0	6,969.2	6,791.5	6,668.2	16.6	24.8	128.20	489.2	1,155.5	1,585.0	1,555.6	29.39	53.931		
7,100.0	7,068.8	6,888.3	6,762.9	16.8	25.2	128.18	497.2	1,173.8	1,609.9	1,580.1	29.82	53.985		
7,156.2	7,124.7	6,942.7	6,816.2	17.0	25.4	128.17	501.8	1,184.2	1,624.0	1,593.9	30.06	54.016		
7,200.0	7,168.4	6,985.1	6,857.6	17.0	25.6	-179.49	505.3	1,192.2	1,634.9	1,604.7	30.21	54.114		
7,250.0	7,218.2	7,033.2	6,904.6	17.1	25.8	-123.97	509.1	1,201.3	1,647.4	1,617.1	30.31	54.352		
7,300.0	7,267.7	7,081.5	6,952.1	17.1	26.0	-107.29	509.9	1,210.5	1,659.9	1,629.5	30.32	54.751		
7,350.0	7,316.4	7,130.6	7,000.1	17.1	26.1	-100.16	506.5	1,219.8	1,672.1	1,641.9	30.25	55.284		
7,400.0	7,363.9	7,180.3	7,048.4	17.0	26.2	-96.02	498.8	1,229.2	1,684.2	1,654.1	30.11	55.943		
7,450.0	7,410.0	7,230.9	7,096.5	16.9	26.3	-93.18	486.7	1,238.5	1,695.9	1,666.0	29.90	56.716		
7,500.0	7,454.3	7,282.3	7,144.2	16.8	26.4	-91.04	470.0	1,247.7	1,707.1	1,677.5	29.64	57.589		
7,550.0	7,496.3	7,334.6	7,191.1	16.7	26.4	-89.33	448.6	1,256.8	1,717.9	1,688.5	29.34	58.544		
7,600.0	7,535.9	7,387.9	7,236.6	16.5	26.5	-87.92	422.4	1,265.6	1,728.0	1,699.0	29.02	59.555		
7,650.0	7,572.7	7,442.1	7,280.3	16.4	26.5	-86.73	391.4	1,274.1	1,737.5	1,708.8	28.68	60.592		
7,700.0	7,606.4	7,497.3	7,321.6	16.3	26.5	-85.72	355.7	1,282.1	1,746.2	1,717.9	28.34	61.617		
7,750.0	7,636.7	7,553.6	7,360.0	16.2	26.5	-84.87	315.3	1,289.6	1,754.1	1,726.1	28.03	62.581		
7,800.0	7,663.5	7,610.7	7,394.9	16.1	26.5	-84.15	270.6	1,296.3	1,761.1	1,733.3	27.77	63.428		
7,850.0	7,686.5	7,668.8	7,425.7	16.0	26.5	-83.56	221.7	1,302.3	1,767.1	1,739.5	27.57	64.105		
7,900.0	7,705.6	7,727.6	7,451.8	16.0	26.5	-83.09	169.3	1,307.3	1,772.1	1,744.7	27.45	64.558		
7,950.0	7,720.6	7,787.1	7,472.6	16.0	26.5	-82.72	113.7	1,311.4	1,776.0	1,748.6	27.43	64.745		
8,000.0	7,731.4	7,847.2	7,487.8	16.0	26.5	-82.46	55.7	1,314.3	1,778.9	1,751.4	27.52	64.635		
8,050.0	7,737.8	7,907.6	7,497.0	16.1	26.6	-82.31	-3.9	1,316.1	1,780.6	1,752.9	27.74	64.199		
8,099.8	7,740.0	7,967.7	7,500.0	16.2	26.7	-82.26	-63.9	1,316.7	1,781.2	1,753.1	28.06	63.473		
8,200.0	7,740.0	8,067.9	7,500.0	16.6	26.9	-82.26	-164.1	1,316.7	1,781.2	1,752.2	29.00	61.416		
8,300.0	7,740.0	8,167.9	7,500.0	17.2	27.3	-82.26	-264.1	1,316.7	1,781.2	1,750.9	30.29	58.802		
8,400.0	7,740.0	8,267.9	7,500.0	17.9	27.7	-82.26	-364.1	1,316.7	1,781.2	1,749.2	31.91	55.821		
8,500.0	7,740.0	8,367.9	7,500.0	18.8	28.3	-82.26	-464.1	1,316.7	1,781.2	1,747.3	33.81	52.686		
8,600.0	7,740.0	8,467.9	7,500.0	19.8	28.9	-82.26	-564.1	1,316.7	1,781.2	1,745.2	35.94	49.556		
8,700.0	7,740.0	8,567.9	7,500.0	20.9	29.7	-82.26	-664.1	1,316.7	1,781.2	1,742.9	38.28	46.536		
8,800.0	7,740.0	8,667.9	7,500.0	22.0	30.5	-82.26	-764.1	1,316.7	1,781.2	1,740.4	40.77	43.686		
8,900.0	7,740.0	8,767.9	7,500.0	23.3	31.4	-82.26	-864.1	1,316.7	1,781.2	1,737.8	43.40	41.038		
9,000.0	7,740.0	8,867.9	7,500.0	24.6	32.3	-82.26	-964.1	1,316.7	1,781.2	1,735.0	46.15	38.598		
9,100.0	7,740.0	8,967.9	7,500.0	25.9	33.4	-82.26	-1,064.1	1,316.7	1,781.2	1,732.2	48.98	36.363		
9,200.0	7,740.0	9,067.9	7,500.0	27.3	34.5	-82.26	-1,164.1	1,316.7	1,781.2	1,729.3	51.90	34.321		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2F-7H-E168 - HZ - Plan #3													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		
9,300.0	7,740.0	9,167.9	7,500.0	28.8	35.6	-82.26	-1,264.1	1,316.7	1,781.2	1,726.3	54.88	32.457		
9,400.0	7,740.0	9,267.9	7,500.0	30.3	36.8	-82.26	-1,364.1	1,316.7	1,781.2	1,723.2	57.91	30.755		
9,500.0	7,740.0	9,367.9	7,500.0	31.8	38.0	-82.26	-1,464.1	1,316.7	1,781.2	1,720.2	61.00	29.201		
9,600.0	7,740.0	9,467.9	7,500.0	33.3	39.3	-82.26	-1,564.1	1,316.7	1,781.2	1,717.0	64.12	27.779		
9,700.0	7,740.0	9,567.9	7,500.0	34.8	40.6	-82.26	-1,664.1	1,316.7	1,781.2	1,713.9	67.28	26.475		
9,800.0	7,740.0	9,667.9	7,500.0	36.4	42.0	-82.26	-1,764.1	1,316.7	1,781.2	1,710.7	70.47	25.277		
9,900.0	7,740.0	9,767.9	7,500.0	38.0	43.4	-82.26	-1,864.1	1,316.7	1,781.2	1,707.5	73.68	24.175		
10,000.0	7,740.0	9,867.9	7,500.0	39.6	44.8	-82.26	-1,964.1	1,316.7	1,781.2	1,704.2	76.92	23.157		
10,100.0	7,740.0	9,967.9	7,500.0	41.2	46.2	-82.26	-2,064.1	1,316.7	1,781.2	1,701.0	80.17	22.217		
10,200.0	7,740.0	10,067.9	7,500.0	42.8	47.6	-82.26	-2,164.1	1,316.7	1,781.2	1,697.7	83.45	21.345		
10,300.0	7,740.0	10,167.9	7,500.0	44.5	49.1	-82.26	-2,264.1	1,316.7	1,781.2	1,694.4	86.74	20.535		
10,400.0	7,740.0	10,267.9	7,500.0	46.1	50.6	-82.26	-2,364.1	1,316.7	1,781.2	1,691.1	90.04	19.781		
10,500.0	7,740.0	10,367.9	7,500.0	47.8	52.1	-82.26	-2,464.1	1,316.7	1,781.2	1,687.8	93.36	19.079		
10,600.0	7,740.0	10,467.9	7,500.0	49.4	53.6	-82.26	-2,564.1	1,316.7	1,781.2	1,684.5	96.69	18.422		
10,700.0	7,740.0	10,567.9	7,500.0	51.1	55.2	-82.26	-2,664.1	1,316.7	1,781.2	1,681.1	100.02	17.807		
10,800.0	7,740.0	10,667.9	7,500.0	52.7	56.7	-82.26	-2,764.1	1,316.7	1,781.2	1,677.8	103.37	17.231		
10,900.0	7,740.0	10,767.9	7,500.0	54.4	58.3	-82.26	-2,864.1	1,316.7	1,781.2	1,674.4	106.73	16.689		
11,000.0	7,740.0	10,867.9	7,500.0	56.1	59.8	-82.26	-2,964.1	1,316.7	1,781.2	1,671.1	110.09	16.179		
11,100.0	7,740.0	10,967.9	7,500.0	57.8	61.4	-82.26	-3,064.1	1,316.7	1,781.2	1,667.7	113.46	15.698		
11,200.0	7,740.0	11,067.9	7,500.0	59.5	63.0	-82.26	-3,164.1	1,316.7	1,781.2	1,664.3	116.84	15.245		
11,300.0	7,740.0	11,167.9	7,500.0	61.2	64.6	-82.26	-3,264.1	1,316.7	1,781.2	1,660.9	120.22	14.816		
11,400.0	7,740.0	11,267.9	7,500.0	62.9	66.2	-82.26	-3,364.1	1,316.7	1,781.2	1,657.6	123.61	14.410		
11,500.0	7,740.0	11,367.9	7,500.0	64.6	67.8	-82.26	-3,464.1	1,316.7	1,781.2	1,654.2	127.00	14.025		
11,600.0	7,740.0	11,467.9	7,500.0	66.3	69.4	-82.26	-3,564.1	1,316.7	1,781.2	1,650.8	130.39	13.660		
11,700.0	7,740.0	11,567.9	7,500.0	68.0	71.1	-82.26	-3,664.1	1,316.7	1,781.2	1,647.4	133.79	13.313		
11,800.0	7,740.0	11,667.9	7,500.0	69.7	72.7	-82.26	-3,764.1	1,316.7	1,781.2	1,644.0	137.20	12.982		
11,900.0	7,740.0	11,767.9	7,500.0	71.4	74.3	-82.26	-3,864.1	1,316.7	1,781.2	1,640.6	140.61	12.668		
12,000.0	7,740.0	11,867.9	7,500.0	73.1	76.0	-82.26	-3,964.1	1,316.7	1,781.2	1,637.1	144.02	12.368		
12,100.0	7,740.0	11,967.9	7,500.0	74.8	77.6	-82.26	-4,064.1	1,316.7	1,781.2	1,633.7	147.43	12.081		
12,200.0	7,740.0	12,067.9	7,500.0	76.5	79.3	-82.26	-4,164.1	1,316.7	1,781.2	1,630.3	150.85	11.808		
12,300.0	7,740.0	12,167.9	7,500.0	78.2	80.9	-82.26	-4,264.1	1,316.7	1,781.2	1,626.9	154.27	11.546		
12,400.0	7,740.0	12,267.9	7,500.0	79.9	82.6	-82.26	-4,364.1	1,316.7	1,781.2	1,623.5	157.69	11.295		
12,500.0	7,740.0	12,367.9	7,500.0	81.7	84.3	-82.26	-4,464.1	1,316.7	1,781.2	1,620.0	161.12	11.055		
12,600.0	7,740.0	12,467.9	7,500.0	83.4	85.9	-82.26	-4,564.1	1,316.7	1,781.2	1,616.6	164.54	10.825		
12,700.0	7,740.0	12,567.9	7,500.0	85.1	87.6	-82.26	-4,664.1	1,316.7	1,781.2	1,613.2	167.97	10.604		
12,800.0	7,740.0	12,667.9	7,500.0	86.8	89.3	-82.26	-4,764.1	1,316.7	1,781.2	1,609.8	171.40	10.392		
12,900.0	7,740.0	12,767.9	7,500.0	88.6	90.9	-82.26	-4,864.1	1,316.7	1,781.2	1,606.3	174.83	10.188		
13,000.0	7,740.0	12,867.9	7,500.0	90.3	92.6	-82.26	-4,964.1	1,316.7	1,781.2	1,602.9	178.27	9.991		
13,100.0	7,740.0	12,967.9	7,500.0	92.0	94.3	-82.26	-5,064.1	1,316.7	1,781.2	1,599.5	181.70	9.803		
13,200.0	7,740.0	13,067.9	7,500.0	93.7	96.0	-82.26	-5,164.1	1,316.7	1,781.2	1,596.0	185.14	9.621		
13,300.0	7,740.0	13,167.9	7,500.0	95.5	97.7	-82.26	-5,264.1	1,316.7	1,781.2	1,592.6	188.58	9.445		
13,400.0	7,740.0	13,267.9	7,500.0	97.2	99.4	-82.26	-5,364.1	1,316.7	1,781.2	1,589.1	192.02	9.276		
13,500.0	7,740.0	13,367.9	7,500.0	98.9	101.1	-82.26	-5,464.1	1,316.7	1,781.2	1,585.7	195.46	9.113		
13,600.0	7,740.0	13,467.9	7,500.0	100.7	102.8	-82.26	-5,564.1	1,316.7	1,781.2	1,582.3	198.90	8.955		
13,700.0	7,740.0	13,567.9	7,500.0	102.4	104.5	-82.26	-5,664.1	1,316.7	1,781.2	1,578.8	202.35	8.802		
13,800.0	7,740.0	13,667.9	7,500.0	104.1	106.2	-82.26	-5,764.1	1,316.7	1,781.2	1,575.4	205.79	8.655		
13,900.0	7,740.0	13,767.9	7,500.0	105.9	107.9	-82.26	-5,864.1	1,316.7	1,781.2	1,571.9	209.24	8.513		
14,000.0	7,740.0	13,867.9	7,500.0	107.6	109.6	-82.26	-5,964.1	1,316.7	1,781.2	1,568.5	212.69	8.375		
14,100.0	7,740.0	13,967.9	7,500.0	109.3	111.3	-82.26	-6,064.1	1,316.7	1,781.2	1,565.0	216.13	8.241		
14,200.0	7,740.0	14,067.9	7,500.0	111.1	113.0	-82.26	-6,164.1	1,316.7	1,781.2	1,561.6	219.58	8.112		
14,300.0	7,740.0	14,167.9	7,500.0	112.8	114.7	-82.26	-6,264.1	1,316.7	1,781.2	1,558.1	223.03	7.986		
14,400.0	7,740.0	14,267.9	7,500.0	114.5	116.4	-82.26	-6,364.1	1,316.7	1,781.2	1,554.7	226.48	7.864		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2F-7H-E168 - HZ - Plan #3		Offset Site Error:		0.0 ft
Survey Program:													0-Geolink MWD		Offset Well Error:		0.0 ft
Reference				Offset			Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning					
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
14,500.0	7,740.0	14,367.9	7,500.0	116.3	118.1	-82.26	-6,464.1	1,316.7	1,781.2	1,551.2	229.93	7.746					
14,600.0	7,740.0	14,467.9	7,500.0	118.0	119.8	-82.26	-6,564.1	1,316.7	1,781.2	1,547.8	233.39	7.632					
14,700.0	7,740.0	14,567.9	7,500.0	119.7	121.5	-82.26	-6,664.1	1,316.7	1,781.2	1,544.3	236.84	7.521					
14,800.0	7,740.0	14,667.9	7,500.0	121.5	123.2	-82.26	-6,764.1	1,316.7	1,781.2	1,540.9	240.29	7.413					
14,900.0	7,740.0	14,767.9	7,500.0	123.2	124.9	-82.26	-6,864.1	1,316.7	1,781.2	1,537.4	243.75	7.307					
15,000.0	7,740.0	14,867.9	7,500.0	125.0	126.7	-82.26	-6,964.1	1,316.7	1,781.2	1,534.0	247.20	7.205					
15,100.0	7,740.0	14,967.9	7,500.0	126.7	128.4	-82.26	-7,064.1	1,316.7	1,781.2	1,530.5	250.66	7.106					
15,200.0	7,740.0	15,067.9	7,500.0	128.4	130.1	-82.26	-7,164.1	1,316.7	1,781.2	1,527.1	254.11	7.009					
15,300.0	7,740.0	15,167.9	7,500.0	130.2	131.8	-82.26	-7,264.1	1,316.7	1,781.2	1,523.6	257.57	6.915					
15,400.0	7,740.0	15,267.9	7,500.0	131.9	133.5	-82.26	-7,364.1	1,316.7	1,781.2	1,520.1	261.02	6.824					
15,500.0	7,740.0	15,367.9	7,500.0	133.7	135.3	-82.26	-7,464.1	1,316.7	1,781.2	1,516.7	264.48	6.735					
15,600.0	7,740.0	15,467.9	7,500.0	135.4	137.0	-82.26	-7,564.1	1,316.7	1,781.2	1,513.2	267.94	6.648					
15,700.0	7,740.0	15,567.9	7,500.0	137.2	138.7	-82.26	-7,664.1	1,316.7	1,781.2	1,509.8	271.40	6.563					
15,800.0	7,740.0	15,667.9	7,500.0	138.9	140.4	-82.26	-7,764.1	1,316.7	1,781.2	1,506.3	274.86	6.480					
15,900.0	7,740.0	15,767.9	7,500.0	140.6	142.1	-82.26	-7,864.1	1,316.7	1,781.2	1,502.9	278.32	6.400					
15,949.8	7,740.0	15,817.7	7,500.0	141.5	143.0	-82.26	-7,913.9	1,316.7	1,781.2	1,501.1	280.04	6.360 SF					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2G-7H-E168 - HZ - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance			Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)				Between Ellipses (ft)	
0.0	0.0	0.0	0.0	0.0	0.0	90.45	-0.4	45.1	45.1					
100.0	100.0	100.0	100.0	0.2	0.2	90.45	-0.4	45.1	45.1	44.8	0.30	148.383		
186.9	186.9	186.9	186.9	0.3	0.3	90.00	0.0	45.1	45.1	44.5	0.61	74.172 CC		
200.0	200.0	200.0	200.0	0.3	0.3	89.62	0.3	45.1	45.1	44.4	0.65	68.949 ES		
300.0	300.0	299.7	299.5	0.5	0.5	122.99	5.4	45.1	45.9	44.9	1.02	44.894		
400.0	400.0	398.7	398.3	0.7	0.7	117.59	12.4	46.2	49.4	48.0	1.40	35.305		
500.0	499.9	497.6	496.9	0.9	0.9	114.99	19.4	49.1	55.7	53.9	1.78	31.267		
600.0	599.7	596.2	595.1	1.1	1.2	114.68	26.4	53.6	64.4	62.3	2.17	29.688		
700.0	699.4	694.4	692.9	1.3	1.4	115.88	33.4	59.8	75.6	73.0	2.57	29.401		
760.9	760.0	753.9	752.1	1.4	1.5	117.05	37.7	64.4	83.6	80.8	2.82	29.641		
800.0	798.9	792.0	790.0	1.5	1.6	117.88	40.4	67.6	89.2	86.2	2.98	29.914		
900.0	898.4	889.1	886.4	1.7	1.9	119.68	47.4	77.0	104.7	101.3	3.39	30.856		
1,000.0	998.0	985.7	982.0	2.0	2.2	121.09	54.5	88.0	122.0	118.1	3.80	32.054		
1,100.0	1,097.5	1,081.7	1,076.9	2.2	2.4	122.21	61.5	100.6	140.9	136.7	4.21	33.431		
1,200.0	1,197.0	1,177.0	1,170.9	2.5	2.7	123.10	68.5	114.6	161.5	156.9	4.62	34.939		
1,300.0	1,296.5	1,271.6	1,264.0	2.7	3.1	123.82	75.5	130.0	183.8	178.8	5.03	36.545		
1,400.0	1,396.0	1,365.5	1,356.1	2.9	3.4	124.40	82.4	146.9	207.7	202.2	5.43	38.226		
1,500.0	1,495.6	1,458.6	1,447.2	3.2	3.8	124.88	89.3	165.1	233.2	227.3	5.83	39.967		
1,600.0	1,595.1	1,550.9	1,537.1	3.4	4.2	125.27	96.2	184.6	260.2	254.0	6.23	41.757		
1,700.0	1,694.6	1,643.2	1,626.8	3.7	4.6	125.60	103.1	205.6	288.8	282.2	6.63	43.548		
1,800.0	1,794.1	1,738.9	1,719.5	3.9	5.0	125.88	110.3	227.8	317.9	310.8	7.05	45.077		
1,900.0	1,893.7	1,834.5	1,812.3	4.1	5.4	126.11	117.4	249.9	347.0	339.5	7.47	46.431		
2,000.0	1,993.2	1,930.2	1,905.1	4.4	5.8	126.31	124.6	272.1	376.1	368.2	7.89	47.638		
2,100.0	2,092.7	2,025.9	1,997.9	4.6	6.3	126.48	131.8	294.3	405.2	396.8	8.32	48.720		
2,200.0	2,192.2	2,121.6	2,090.7	4.9	6.7	126.62	138.9	316.5	434.3	425.5	8.74	49.696		
2,300.0	2,291.7	2,217.2	2,183.5	5.1	7.1	126.75	146.1	338.6	463.4	454.2	9.16	50.581		
2,400.0	2,391.3	2,312.9	2,276.3	5.4	7.6	126.87	153.3	360.8	492.5	482.9	9.58	51.386		
2,500.0	2,490.8	2,408.6	2,369.0	5.6	8.0	126.97	160.4	383.0	521.6	511.5	10.01	52.122		
2,600.0	2,590.3	2,504.2	2,461.8	5.8	8.5	127.06	167.6	405.2	550.7	540.2	10.43	52.798		
2,700.0	2,689.8	2,599.9	2,554.6	6.1	8.9	127.14	174.7	427.3	579.8	568.9	10.85	53.420		
2,800.0	2,789.3	2,695.6	2,647.4	6.3	9.4	127.21	181.9	449.5	608.9	597.6	11.28	53.995		
2,900.0	2,888.9	2,791.2	2,740.2	6.6	9.8	127.28	189.1	471.7	638.0	626.3	11.70	54.528		
3,000.0	2,988.4	2,886.9	2,833.0	6.8	10.2	127.34	196.2	493.9	667.1	655.0	12.12	55.023		
3,100.0	3,087.9	2,982.6	2,925.8	7.1	10.7	127.39	203.4	516.0	696.2	683.6	12.55	55.484		
3,200.0	3,187.4	3,078.2	3,018.6	7.3	11.1	127.44	210.5	538.2	725.3	712.3	12.97	55.915		
3,300.0	3,286.9	3,173.9	3,111.3	7.5	11.6	127.49	217.7	560.4	754.4	741.0	13.40	56.318		
3,400.0	3,386.5	3,269.6	3,204.1	7.8	12.0	127.53	224.9	582.6	783.5	769.7	13.82	56.696		
3,500.0	3,486.0	3,365.2	3,296.9	8.0	12.5	127.58	232.0	604.7	812.6	798.4	14.24	57.051		
3,600.0	3,585.5	3,460.9	3,389.7	8.3	12.9	127.61	239.2	626.9	841.7	827.1	14.67	57.385		
3,700.0	3,685.0	3,556.6	3,482.5	8.5	13.4	127.65	246.4	649.1	870.8	855.7	15.09	57.701		
3,800.0	3,784.6	3,652.2	3,575.3	8.8	13.8	127.68	253.5	671.3	899.9	884.4	15.52	57.999		
3,900.0	3,884.1	3,747.9	3,668.1	9.0	14.2	127.71	260.7	693.4	929.1	913.1	15.94	58.281		
4,000.0	3,983.6	3,843.6	3,760.8	9.3	14.7	127.74	267.8	715.6	958.2	941.8	16.37	58.548		
4,100.0	4,083.1	3,939.2	3,853.6	9.5	15.1	127.77	275.0	737.8	987.3	970.5	16.79	58.802		
4,200.0	4,182.6	4,034.9	3,946.4	9.7	15.6	127.79	282.2	760.0	1,016.4	999.2	17.21	59.043		
4,300.0	4,282.2	4,130.6	4,039.2	10.0	16.0	127.82	289.3	782.2	1,045.5	1,027.9	17.64	59.272		
4,400.0	4,381.7	4,226.2	4,132.0	10.2	16.5	127.84	296.5	804.3	1,074.6	1,056.5	18.06	59.491		
4,500.0	4,481.2	4,321.9	4,224.8	10.5	16.9	127.86	303.6	826.5	1,103.7	1,085.2	18.49	59.699		
4,600.0	4,580.7	4,417.6	4,317.6	10.7	17.4	127.88	310.8	848.7	1,132.8	1,113.9	18.91	59.898		
4,700.0	4,680.2	4,513.3	4,410.3	11.0	17.8	127.90	318.0	870.9	1,161.9	1,142.6	19.34	60.088		
4,800.0	4,779.8	4,608.9	4,503.1	11.2	18.3	127.92	325.1	893.0	1,191.1	1,171.3	19.76	60.269		
4,900.0	4,879.3	4,704.6	4,595.9	11.4	18.7	127.94	332.3	915.2	1,220.2	1,200.0	20.19	60.444		

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2G-7H-E168 - HZ - Plan #3												Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,000.0	4,978.8	4,800.3	4,688.7	11.7	19.2	127.96	339.5	937.4	1,249.3	1,228.7	20.61	60.610	
5,100.0	5,078.3	4,895.9	4,781.5	11.9	19.6	127.97	346.6	959.6	1,278.4	1,257.4	21.04	60.770	
5,200.0	5,177.9	4,991.6	4,874.3	12.2	20.1	127.99	353.8	981.7	1,307.5	1,286.0	21.46	60.924	
5,300.0	5,277.4	5,087.3	4,967.1	12.4	20.5	128.00	360.9	1,003.9	1,336.6	1,314.7	21.89	61.072	
5,400.0	5,376.9	5,182.9	5,059.9	12.7	21.0	128.02	368.1	1,026.1	1,365.7	1,343.4	22.31	61.214	
5,500.0	5,476.4	5,278.6	5,152.6	12.9	21.4	128.03	375.3	1,048.3	1,394.8	1,372.1	22.74	61.350	
5,600.0	5,575.9	5,374.3	5,245.4	13.2	21.9	128.04	382.4	1,070.4	1,424.0	1,400.8	23.16	61.482	
5,700.0	5,675.5	5,469.9	5,338.2	13.4	22.3	128.06	389.6	1,092.6	1,453.1	1,429.5	23.59	61.609	
5,800.0	5,775.0	5,565.6	5,431.0	13.6	22.8	128.07	396.7	1,114.8	1,482.2	1,458.2	24.01	61.731	
5,900.0	5,874.5	5,661.3	5,523.8	13.9	23.2	128.08	403.9	1,137.0	1,511.3	1,486.9	24.44	61.849	
6,000.0	5,974.0	5,756.9	5,616.6	14.1	23.7	128.09	411.1	1,159.1	1,540.4	1,515.5	24.86	61.963	
6,100.0	6,073.5	5,852.6	5,709.4	14.4	24.1	128.10	418.2	1,181.3	1,569.5	1,544.2	25.28	62.073	
6,200.0	6,173.1	5,948.3	5,802.1	14.6	24.6	128.11	425.4	1,203.5	1,598.6	1,572.9	25.71	62.180	
6,300.0	6,272.6	6,043.9	5,894.9	14.9	25.0	128.12	432.6	1,225.7	1,627.7	1,601.6	26.13	62.283	
6,400.0	6,372.1	6,139.6	5,987.7	15.1	25.4	128.13	439.7	1,247.8	1,656.9	1,630.3	26.56	62.382	
6,500.0	6,471.6	6,235.3	6,080.5	15.4	25.9	128.14	446.9	1,270.0	1,686.0	1,659.0	26.98	62.479	
6,600.0	6,571.1	6,330.9	6,173.3	15.6	26.3	128.15	454.0	1,292.2	1,715.1	1,687.7	27.41	62.572	
6,700.0	6,670.7	6,426.6	6,266.1	15.8	26.8	128.16	461.2	1,314.4	1,744.2	1,716.4	27.83	62.663	
6,800.0	6,770.2	6,522.3	6,358.9	16.1	27.2	128.17	468.4	1,336.5	1,773.3	1,745.0	28.26	62.751	
6,900.0	6,869.7	6,617.9	6,451.7	16.3	27.7	128.17	475.5	1,358.7	1,802.4	1,773.7	28.68	62.836	
7,000.0	6,969.2	6,713.6	6,544.4	16.6	28.1	128.18	482.7	1,380.9	1,831.5	1,802.4	29.11	62.919	
7,100.0	7,068.8	6,809.3	6,637.2	16.8	28.6	128.19	489.8	1,403.1	1,860.6	1,831.1	29.53	62.999	
7,156.2	7,124.7	6,863.0	6,689.4	17.0	28.8	128.19	493.9	1,415.5	1,877.0	1,847.2	29.77	63.043	
7,200.0	7,168.4	6,904.9	6,730.0	17.0	29.0	-179.24	497.0	1,425.2	1,889.8	1,859.9	29.92	63.167	
7,250.0	7,218.2	6,952.4	6,776.0	17.1	29.3	-123.47	500.6	1,436.2	1,904.3	1,874.3	30.02	63.445	
7,300.0	7,267.7	6,999.1	6,821.4	17.1	29.5	-106.61	504.1	1,447.1	1,918.8	1,888.7	30.05	63.859	
7,350.0	7,316.4	7,044.9	6,865.7	17.1	29.7	-99.40	507.5	1,457.7	1,933.1	1,903.1	30.01	64.406	
7,400.0	7,363.9	7,089.2	6,908.7	17.0	29.9	-95.27	510.8	1,468.0	1,947.3	1,917.4	29.92	65.079	
7,450.0	7,410.0	7,131.8	6,950.0	16.9	30.1	-92.49	514.0	1,477.8	1,961.3	1,931.5	29.77	65.875	
7,500.0	7,454.3	7,172.4	6,989.4	16.8	30.3	-90.44	517.0	1,487.2	1,975.2	1,945.6	29.57	66.786	
7,550.0	7,496.3	7,210.5	7,026.4	16.7	30.5	-88.82	519.9	1,496.1	1,989.0	1,959.6	29.33	67.802	
7,600.0	7,535.9	7,246.1	7,060.9	16.5	30.6	-87.46	522.5	1,504.3	2,002.7	1,973.7	29.06	68.912	
7,650.0	7,572.7	7,278.7	7,092.5	16.4	30.8	-86.27	525.0	1,511.9	2,016.4	1,987.7	28.77	70.099	
7,700.0	7,606.4	7,308.1	7,121.0	16.3	30.9	-85.16	527.2	1,518.7	2,030.2	2,001.7	28.46	71.342	
7,750.0	7,636.7	7,338.8	7,150.8	16.2	31.1	-84.20	529.4	1,525.8	2,044.0	2,015.9	28.16	72.582	
7,800.0	7,663.5	7,389.0	7,199.6	16.1	31.3	-83.81	530.1	1,537.5	2,057.7	2,029.8	27.93	73.667	
7,850.0	7,686.5	7,449.3	7,258.1	16.0	31.5	-83.73	525.1	1,551.5	2,071.1	2,043.4	27.75	74.636	
7,900.0	7,705.6	7,526.6	7,331.6	16.0	31.7	-84.10	509.5	1,569.0	2,084.1	2,056.4	27.62	75.446	
7,950.0	7,720.6	7,634.9	7,429.8	16.0	32.0	-85.15	470.9	1,592.5	2,096.1	2,068.6	27.58	76.004	
8,000.0	7,731.4	7,802.9	7,563.7	16.0	32.2	-87.17	375.5	1,624.5	2,106.6	2,079.0	27.65	76.190	
8,050.0	7,737.8	8,074.3	7,707.3	16.1	32.3	-89.59	150.8	1,658.8	2,113.6	2,085.6	28.00	75.490	
8,099.8	7,740.0	8,292.9	7,740.0	16.2	32.5	-90.00	-63.9	1,666.6	2,114.9	2,086.3	28.62	73.898	
8,200.0	7,740.0	8,393.2	7,740.0	16.6	32.7	-90.00	-164.1	1,666.6	2,114.9	2,085.3	29.54	71.585	
8,300.0	7,740.0	8,493.2	7,740.0	17.2	33.0	-90.00	-264.1	1,666.6	2,114.9	2,084.0	30.84	68.585	
8,400.0	7,740.0	8,593.2	7,740.0	17.9	33.3	-90.00	-364.1	1,666.6	2,114.9	2,082.4	32.46	65.159	
8,500.0	7,740.0	8,693.2	7,740.0	18.8	33.8	-90.00	-464.1	1,666.6	2,114.9	2,080.5	34.36	61.548	
8,600.0	7,740.0	8,793.2	7,740.0	19.8	34.3	-90.00	-564.1	1,666.6	2,114.9	2,078.4	36.50	57.935	
8,700.0	7,740.0	8,893.2	7,740.0	20.9	34.9	-90.00	-664.1	1,666.6	2,114.9	2,076.0	38.85	54.442	
8,800.0	7,740.0	8,993.2	7,740.0	22.0	35.6	-90.00	-764.1	1,666.6	2,114.9	2,073.5	41.35	51.141	
8,900.0	7,740.0	9,093.2	7,740.0	23.3	36.4	-90.00	-864.1	1,666.6	2,114.9	2,070.9	44.00	48.068	
9,000.0	7,740.0	9,193.2	7,740.0	24.6	37.2	-90.00	-964.1	1,666.6	2,114.9	2,068.1	46.76	45.232	
9,100.0	7,740.0	9,293.2	7,740.0	25.9	38.1	-90.00	-1,064.1	1,666.6	2,114.9	2,065.3	49.61	42.631	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2G-7H-E168 - HZ - Plan #3												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	
9,200.0	7,740.0	9,393.2	7,740.0	27.3	39.1	-90.00	-1,164.1	1,666.6	2,114.9	2,062.3	52.54	40.252	
9,300.0	7,740.0	9,493.2	7,740.0	28.8	40.1	-90.00	-1,264.1	1,666.6	2,114.9	2,059.3	55.54	38.078	
9,400.0	7,740.0	9,593.2	7,740.0	30.3	41.1	-90.00	-1,364.1	1,666.6	2,114.9	2,056.3	58.60	36.092	
9,500.0	7,740.0	9,693.2	7,740.0	31.8	42.2	-90.00	-1,464.1	1,666.6	2,114.9	2,053.2	61.70	34.277	
9,600.0	7,740.0	9,793.2	7,740.0	33.3	43.4	-90.00	-1,564.1	1,666.6	2,114.9	2,050.0	64.85	32.614	
9,700.0	7,740.0	9,893.2	7,740.0	34.8	44.6	-90.00	-1,664.1	1,666.6	2,114.9	2,046.8	68.03	31.089	
9,800.0	7,740.0	9,993.2	7,740.0	36.4	45.8	-90.00	-1,764.1	1,666.6	2,114.9	2,043.6	71.24	29.688	
9,900.0	7,740.0	10,093.2	7,740.0	38.0	47.1	-90.00	-1,864.1	1,666.6	2,114.9	2,040.4	74.48	28.397	
10,000.0	7,740.0	10,193.2	7,740.0	39.6	48.3	-90.00	-1,964.1	1,666.6	2,114.9	2,037.1	77.74	27.205	
10,100.0	7,740.0	10,293.2	7,740.0	41.2	49.7	-90.00	-2,064.1	1,666.6	2,114.9	2,033.9	81.02	26.103	
10,200.0	7,740.0	10,393.2	7,740.0	42.8	51.0	-90.00	-2,164.1	1,666.6	2,114.9	2,030.6	84.32	25.082	
10,300.0	7,740.0	10,493.2	7,740.0	44.5	52.4	-90.00	-2,264.1	1,666.6	2,114.9	2,027.2	87.64	24.132	
10,400.0	7,740.0	10,593.2	7,740.0	46.1	53.8	-90.00	-2,364.1	1,666.6	2,114.9	2,023.9	90.97	23.249	
10,500.0	7,740.0	10,693.2	7,740.0	47.8	55.2	-90.00	-2,464.1	1,666.6	2,114.9	2,020.6	94.31	22.424	
10,600.0	7,740.0	10,793.2	7,740.0	49.4	56.6	-90.00	-2,564.1	1,666.6	2,114.9	2,017.2	97.67	21.654	
10,700.0	7,740.0	10,893.2	7,740.0	51.1	58.1	-90.00	-2,664.1	1,666.6	2,114.9	2,013.8	101.03	20.933	
10,800.0	7,740.0	10,993.2	7,740.0	52.7	59.6	-90.00	-2,764.1	1,666.6	2,114.9	2,010.5	104.41	20.256	
10,900.0	7,740.0	11,093.2	7,740.0	54.4	61.0	-90.00	-2,864.1	1,666.6	2,114.9	2,007.1	107.79	19.620	
11,000.0	7,740.0	11,193.2	7,740.0	56.1	62.5	-90.00	-2,964.1	1,666.6	2,114.9	2,003.7	111.18	19.022	
11,100.0	7,740.0	11,293.2	7,740.0	57.8	64.1	-90.00	-3,064.1	1,666.6	2,114.9	2,000.3	114.58	18.458	
11,200.0	7,740.0	11,393.2	7,740.0	59.5	65.6	-90.00	-3,164.1	1,666.6	2,114.9	1,996.9	117.98	17.925	
11,300.0	7,740.0	11,493.2	7,740.0	61.2	67.1	-90.00	-3,264.1	1,666.6	2,114.9	1,993.5	121.40	17.421	
11,400.0	7,740.0	11,593.2	7,740.0	62.9	68.7	-90.00	-3,364.1	1,666.6	2,114.9	1,990.1	124.81	16.945	
11,500.0	7,740.0	11,693.2	7,740.0	64.6	70.2	-90.00	-3,464.1	1,666.6	2,114.9	1,986.6	128.23	16.493	
11,600.0	7,740.0	11,793.2	7,740.0	66.3	71.8	-90.00	-3,564.1	1,666.6	2,114.9	1,983.2	131.66	16.063	
11,700.0	7,740.0	11,893.2	7,740.0	68.0	73.4	-90.00	-3,664.1	1,666.6	2,114.9	1,979.8	135.09	15.656	
11,800.0	7,740.0	11,993.2	7,740.0	69.7	74.9	-90.00	-3,764.1	1,666.6	2,114.9	1,976.4	138.52	15.267	
11,900.0	7,740.0	12,093.2	7,740.0	71.4	76.5	-90.00	-3,864.1	1,666.6	2,114.9	1,972.9	141.96	14.898	
12,000.0	7,740.0	12,193.2	7,740.0	73.1	78.1	-90.00	-3,964.1	1,666.6	2,114.9	1,969.5	145.40	14.545	
12,100.0	7,740.0	12,293.2	7,740.0	74.8	79.7	-90.00	-4,064.1	1,666.6	2,114.9	1,966.0	148.84	14.209	
12,200.0	7,740.0	12,393.2	7,740.0	76.5	81.4	-90.00	-4,164.1	1,666.6	2,114.9	1,962.6	152.29	13.887	
12,300.0	7,740.0	12,493.2	7,740.0	78.2	83.0	-90.00	-4,264.1	1,666.6	2,114.9	1,959.1	155.74	13.580	
12,400.0	7,740.0	12,593.2	7,740.0	79.9	84.6	-90.00	-4,364.1	1,666.6	2,114.9	1,955.7	159.19	13.285	
12,500.0	7,740.0	12,693.2	7,740.0	81.7	86.2	-90.00	-4,464.1	1,666.6	2,114.9	1,952.2	162.65	13.003	
12,600.0	7,740.0	12,793.2	7,740.0	83.4	87.8	-90.00	-4,564.1	1,666.6	2,114.9	1,948.8	166.10	12.732	
12,700.0	7,740.0	12,893.2	7,740.0	85.1	89.5	-90.00	-4,664.1	1,666.6	2,114.9	1,945.3	169.56	12.473	
12,800.0	7,740.0	12,993.2	7,740.0	86.8	91.1	-90.00	-4,764.1	1,666.7	2,114.9	1,941.9	173.02	12.223	
12,900.0	7,740.0	13,093.2	7,740.0	88.6	92.8	-90.00	-4,864.1	1,666.7	2,114.9	1,938.4	176.49	11.983	
13,000.0	7,740.0	13,193.2	7,740.0	90.3	94.4	-90.00	-4,964.1	1,666.7	2,114.9	1,934.9	179.95	11.753	
13,100.0	7,740.0	13,293.2	7,740.0	92.0	96.1	-90.00	-5,064.1	1,666.7	2,114.9	1,931.5	183.42	11.531	
13,200.0	7,740.0	13,393.2	7,740.0	93.7	97.7	-90.00	-5,164.1	1,666.7	2,114.9	1,928.0	186.88	11.317	
13,300.0	7,740.0	13,493.2	7,740.0	95.5	99.4	-90.00	-5,264.1	1,666.7	2,114.9	1,924.5	190.35	11.110	
13,400.0	7,740.0	13,593.2	7,740.0	97.2	101.1	-90.00	-5,364.1	1,666.7	2,114.9	1,921.1	193.82	10.911	
13,500.0	7,740.0	13,693.2	7,740.0	98.9	102.7	-90.00	-5,464.1	1,666.7	2,114.9	1,917.6	197.30	10.719	
13,600.0	7,740.0	13,793.2	7,740.0	100.7	104.4	-90.00	-5,564.1	1,666.7	2,114.9	1,914.1	200.77	10.534	
13,700.0	7,740.0	13,893.2	7,740.0	102.4	106.1	-90.00	-5,664.1	1,666.7	2,114.9	1,910.6	204.24	10.355	
13,800.0	7,740.0	13,993.2	7,740.0	104.1	107.7	-90.00	-5,764.1	1,666.7	2,114.9	1,907.2	207.72	10.181	
13,900.0	7,740.0	14,093.2	7,740.0	105.9	109.4	-90.00	-5,864.1	1,666.7	2,114.9	1,903.7	211.19	10.014	
14,000.0	7,740.0	14,193.2	7,740.0	107.6	111.1	-90.00	-5,964.1	1,666.7	2,114.9	1,900.2	214.67	9.852	
14,100.0	7,740.0	14,293.2	7,740.0	109.3	112.8	-90.00	-6,064.1	1,666.7	2,114.9	1,896.7	218.15	9.695	
14,200.0	7,740.0	14,393.2	7,740.0	111.1	114.5	-90.00	-6,164.1	1,666.7	2,114.9	1,893.3	221.63	9.542	
14,300.0	7,740.0	14,493.2	7,740.0	112.8	116.1	-90.00	-6,264.1	1,666.7	2,114.9	1,889.8	225.11	9.395	

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 Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills) - Woolley-Sosa 2G-7H-E168 - HZ - Plan #3													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		
14,400.0	7,740.0	14,593.2	7,740.0	114.5	117.8	-90.00	-6,364.1	1,666.7	2,114.9	1,886.3	228.59	9.252		
14,500.0	7,740.0	14,693.2	7,740.0	116.3	119.5	-90.00	-6,464.1	1,666.7	2,114.9	1,882.8	232.07	9.113		
14,600.0	7,740.0	14,793.2	7,740.0	118.0	121.2	-90.00	-6,564.1	1,666.7	2,114.9	1,879.3	235.56	8.978		
14,700.0	7,740.0	14,893.2	7,740.0	119.7	122.9	-90.00	-6,664.1	1,666.7	2,114.9	1,875.8	239.04	8.847		
14,800.0	7,740.0	14,993.2	7,740.0	121.5	124.6	-90.00	-6,764.1	1,666.7	2,114.9	1,872.4	242.52	8.720		
14,900.0	7,740.0	15,093.2	7,740.0	123.2	126.3	-90.00	-6,864.1	1,666.7	2,114.9	1,868.9	246.01	8.597		
15,000.0	7,740.0	15,193.2	7,740.0	125.0	128.0	-90.00	-6,964.1	1,666.7	2,114.9	1,865.4	249.50	8.477		
15,100.0	7,740.0	15,293.2	7,740.0	126.7	129.7	-90.00	-7,064.1	1,666.7	2,114.9	1,861.9	252.98	8.360		
15,200.0	7,740.0	15,393.2	7,740.0	128.4	131.4	-90.00	-7,164.1	1,666.7	2,114.9	1,858.4	256.47	8.246		
15,300.0	7,740.0	15,493.2	7,740.0	130.2	133.1	-90.00	-7,264.1	1,666.7	2,114.9	1,854.9	259.96	8.136		
15,400.0	7,740.0	15,593.2	7,740.0	131.9	134.8	-90.00	-7,364.1	1,666.7	2,114.9	1,851.4	263.44	8.028		
15,500.0	7,740.0	15,693.2	7,740.0	133.7	136.5	-90.00	-7,464.1	1,666.7	2,114.9	1,848.0	266.93	7.923		
15,600.0	7,740.0	15,793.2	7,740.0	135.4	138.2	-90.00	-7,564.1	1,666.7	2,114.9	1,844.5	270.42	7.821		
15,700.0	7,740.0	15,893.2	7,740.0	137.2	139.9	-90.00	-7,664.1	1,666.7	2,114.9	1,841.0	273.91	7.721		
15,800.0	7,740.0	15,993.2	7,740.0	138.9	141.6	-90.00	-7,764.1	1,666.7	2,114.9	1,837.5	277.40	7.624		
15,900.0	7,740.0	16,093.2	7,740.0	140.6	143.3	-90.00	-7,864.1	1,666.7	2,114.9	1,834.0	280.89	7.529		
15,949.8	7,740.0	16,142.9	7,740.0	141.5	144.2	-90.00	-7,913.9	1,666.7	2,114.9	1,832.3	282.63	7.483 SF		

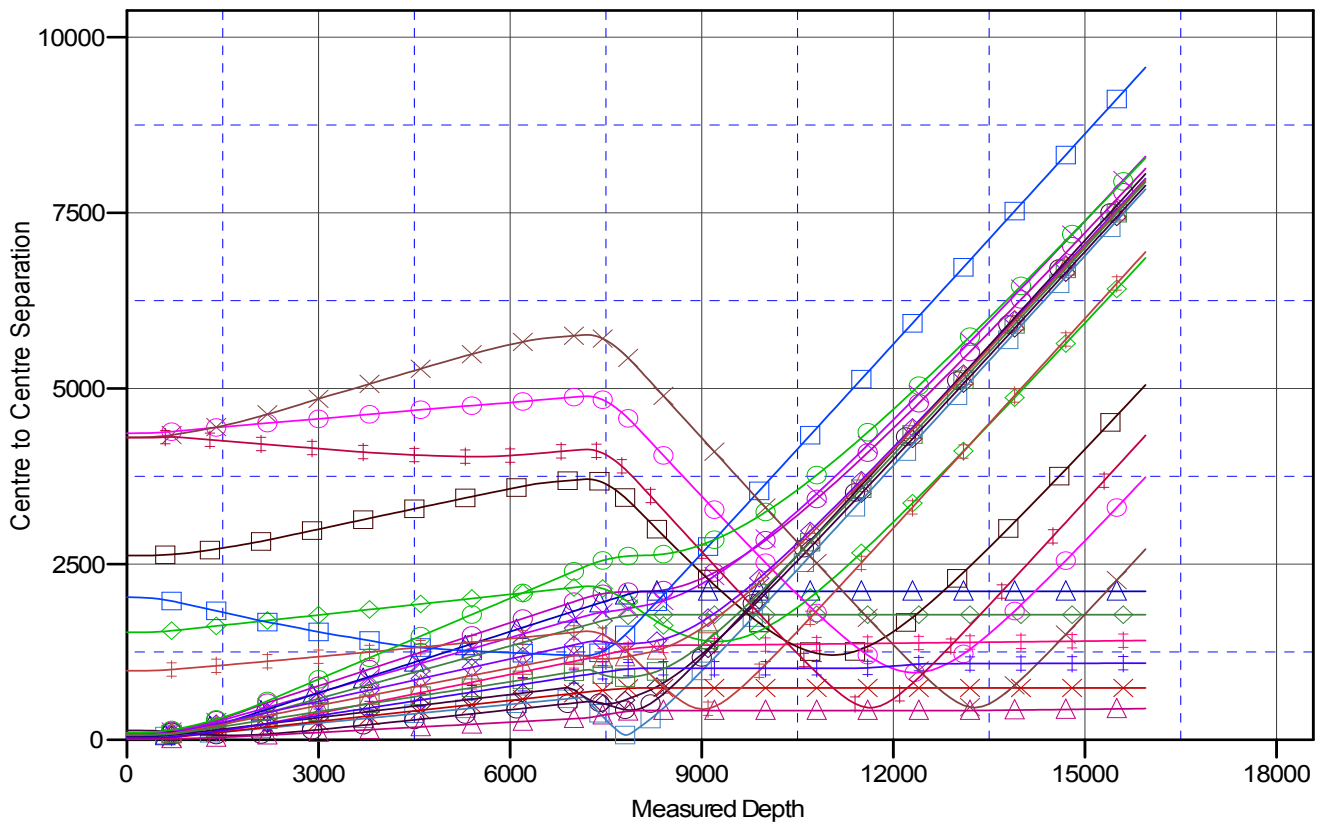
# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Woolley-Sosa 2A-7H-E168
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5007.0ft
<b>Reference Site:</b>	S7-T1N-R68W (Woolley-Sosa/Becky/Morgan Hills)	<b>MD Reference:</b>	KB @ 5007.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Woolley-Sosa 2A-7H-E168	<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 #3	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB @ 5007.0ft  
Offset Depths are relative to Offset Datum  
Central Meridian is -105.500000 °

Coordinates are relative to: Woolley-Sosa 2A-7H-E168  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.29°

## Ladder Plot



## LEGEND

1-E168, Hz, Plan #4 V0	THOMAS E UNIT 1 (EXISTING), Existing, NO SURVEYS V0	Sosa 12-18, DD, DD V0
H-E168, Hz, Plan #3 V0	Woolley-Becky 2E-7H-E168, Hz, Plan #3 V0	Woolley-Sosa 2D-7H-E168, Hz, Plan #3
H-E168, Hz, Plan #3 V0	Woolley-Becky 2B-7H-E168, Hz, Plan #3 V0	Woolley-Sosa 2B-7H-E168, Hz, Plan #3
1-E168, Hz, Plan #3 V0	Woolley-Sosa 2C-7H-E168, Hz, Plan #3 V0	Sosa 11-18, DD, DD V0
H-E168, Hz, Plan #4 V0	WOOLLEY 11-7 (EXISTING), ENCANA WELL, SURVEYS V0	Woolley-Becky 2C-7H-E168, Hz, Plan #5
H-E168, Hz, Plan #3 V0	WOOLLEY 12-7 (EXISTING), ENCANA WELL, NO SURVEYS V0	Woolley-Becky 2H-7H-E168, Hz, Plan #4
(ISTING), ENCANA WELL, SURVEYS V0	Woolley-Becky 2D-7H-E168, Hz, Plan #5 V0	
(ISTING), EXISTING, EXISTING V0	Thomas 7-12 (Existing), Existing, NO SURVEYS V0	

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