



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site:</b>	S26-T2N-R68W (Sullivan)	<b>North Reference:</b>	True
<b>Well:</b>	Sullivan 4E-26H-P268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #2		

<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		S26-T2N-R68W (Sullivan)			
Site Position:		Northing:	1,282,631.01 ft	Latitude:	40.107960
From:	Lat/Long	Easting:	3,150,139.78 ft	Longitude:	-104.963250
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.35 °

Well	Sullivan 4E-26H-P268					
Well Position	+N/-S	0.0 ft	Northing:	1,281,130.83 ft	Latitude:	40.103840
	+E/-W	0.0 ft	Easting:	3,150,257.67 ft	Longitude:	-104.962861
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level:	4,964.0 ft

<b>Wellbore</b>	HZ				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	8/11/2014	8.52	66.67	52,621

<b>Design</b>	Plan #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	0.00

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,122.6	10.45	250.93	1,119.7	-15.5	-44.9	2.00	2.00	0.00	250.93	
7,134.8	10.45	250.93	7,032.1	-372.0	-1,075.8	0.00	0.00	0.00	0.00	
8,068.7	90.00	0.00	7,630.0	200.0	-1,180.0	10.00	8.52	11.68	108.78	
13,618.7	90.00	0.00	7,630.0	5,750.0	-1,180.0	0.00	0.00	0.00	0.00	Sullivan 4E-26H-P268
13,928.8	90.00	6.20	7,630.0	6,059.5	-1,163.2	2.00	0.00	2.00	90.00	
14,795.1	90.00	6.20	7,630.0	6,920.6	-1,069.7	0.00	0.00	0.00	0.00	PBHL 4E-26H-P268

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<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site:</b>	S26-T2N-R68W (Sullivan)	<b>North Reference:</b>	True
<b>Well:</b>	Sullivan 4E-26H-P268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	KOP @ 600'
700.0	2.00	250.93	700.0	-0.6	-1.6	-0.6	2.00	2.00	
800.0	4.00	250.93	799.8	-2.3	-6.6	-2.3	2.00	2.00	
900.0	6.00	250.93	899.5	-5.1	-14.8	-5.1	2.00	2.00	
1,000.0	8.00	250.93	998.7	-9.1	-26.3	-9.1	2.00	2.00	
1,100.0	10.00	250.93	1,097.5	-14.2	-41.1	-14.2	2.00	2.00	
1,122.6	10.45	250.93	1,119.7	-15.5	-44.9	-15.5	2.00	2.00	EOB; Inc=10.45°
1,200.0	10.45	250.93	1,195.8	-20.1	-58.2	-20.1	0.00	0.00	
1,300.0	10.45	250.93	1,294.2	-26.0	-75.3	-26.0	0.00	0.00	
1,400.0	10.45	250.93	1,392.5	-32.0	-92.5	-32.0	0.00	0.00	
1,500.0	10.45	250.93	1,490.8	-37.9	-109.6	-37.9	0.00	0.00	
1,600.0	10.45	250.93	1,589.2	-43.8	-126.8	-43.8	0.00	0.00	
1,700.0	10.45	250.93	1,687.5	-49.8	-143.9	-49.8	0.00	0.00	
1,800.0	10.45	250.93	1,785.9	-55.7	-161.1	-55.7	0.00	0.00	
1,900.0	10.45	250.93	1,884.2	-61.6	-178.2	-61.6	0.00	0.00	
2,000.0	10.45	250.93	1,982.5	-67.5	-195.4	-67.5	0.00	0.00	
2,100.0	10.45	250.93	2,080.9	-73.5	-212.5	-73.5	0.00	0.00	
2,200.0	10.45	250.93	2,179.2	-79.4	-229.7	-79.4	0.00	0.00	
2,300.0	10.45	250.93	2,277.6	-85.3	-246.8	-85.3	0.00	0.00	
2,400.0	10.45	250.93	2,375.9	-91.3	-263.9	-91.3	0.00	0.00	
2,500.0	10.45	250.93	2,474.3	-97.2	-281.1	-97.2	0.00	0.00	
2,600.0	10.45	250.93	2,572.6	-103.1	-298.2	-103.1	0.00	0.00	
2,700.0	10.45	250.93	2,670.9	-109.0	-315.4	-109.0	0.00	0.00	
2,800.0	10.45	250.93	2,769.3	-115.0	-332.5	-115.0	0.00	0.00	
2,900.0	10.45	250.93	2,867.6	-120.9	-349.7	-120.9	0.00	0.00	
3,000.0	10.45	250.93	2,966.0	-126.8	-366.8	-126.8	0.00	0.00	
3,100.0	10.45	250.93	3,064.3	-132.8	-384.0	-132.8	0.00	0.00	
3,200.0	10.45	250.93	3,162.6	-138.7	-401.1	-138.7	0.00	0.00	
3,300.0	10.45	250.93	3,261.0	-144.6	-418.3	-144.6	0.00	0.00	
3,400.0	10.45	250.93	3,359.3	-150.5	-435.4	-150.5	0.00	0.00	
3,500.0	10.45	250.93	3,457.7	-156.5	-452.5	-156.5	0.00	0.00	
3,600.0	10.45	250.93	3,556.0	-162.4	-469.7	-162.4	0.00	0.00	
3,700.0	10.45	250.93	3,654.3	-168.3	-486.8	-168.3	0.00	0.00	
3,800.0	10.45	250.93	3,752.7	-174.3	-504.0	-174.3	0.00	0.00	
3,900.0	10.45	250.93	3,851.0	-180.2	-521.1	-180.2	0.00	0.00	
4,000.0	10.45	250.93	3,949.4	-186.1	-538.3	-186.1	0.00	0.00	
4,100.0	10.45	250.93	4,047.7	-192.0	-555.4	-192.0	0.00	0.00	
4,200.0	10.45	250.93	4,146.0	-198.0	-572.6	-198.0	0.00	0.00	
4,300.0	10.45	250.93	4,244.4	-203.9	-589.7	-203.9	0.00	0.00	
4,400.0	10.45	250.93	4,342.7	-209.8	-606.9	-209.8	0.00	0.00	
4,450.1	10.45	250.93	4,392.0	-212.8	-615.5	-212.8	0.00	0.00	Sussex
4,500.0	10.45	250.93	4,441.1	-215.8	-624.0	-215.8	0.00	0.00	
4,600.0	10.45	250.93	4,539.4	-221.7	-641.2	-221.7	0.00	0.00	
4,700.0	10.45	250.93	4,637.7	-227.6	-658.3	-227.6	0.00	0.00	
4,800.0	10.45	250.93	4,736.1	-233.5	-675.4	-233.5	0.00	0.00	

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<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site:</b>	S26-T2N-R68W (Sullivan)	<b>North Reference:</b>	True
<b>Well:</b>	Sullivan 4E-26H-P268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,900.0	10.45	250.93	4,834.4	-239.5	-692.6	-239.5	0.00	0.00	
5,000.0	10.45	250.93	4,932.8	-245.4	-709.7	-245.4	0.00	0.00	
5,020.6	10.45	250.93	4,953.0	-246.6	-713.3	-246.6	0.00	0.00	Shannon
5,100.0	10.45	250.93	5,031.1	-251.3	-726.9	-251.3	0.00	0.00	
5,200.0	10.45	250.93	5,129.4	-257.3	-744.0	-257.3	0.00	0.00	
5,300.0	10.45	250.93	5,227.8	-263.2	-761.2	-263.2	0.00	0.00	
5,400.0	10.45	250.93	5,326.1	-269.1	-778.3	-269.1	0.00	0.00	
5,500.0	10.45	250.93	5,424.5	-275.0	-795.5	-275.0	0.00	0.00	
5,600.0	10.45	250.93	5,522.8	-281.0	-812.6	-281.0	0.00	0.00	
5,700.0	10.45	250.93	5,621.2	-286.9	-829.8	-286.9	0.00	0.00	
5,800.0	10.45	250.93	5,719.5	-292.8	-846.9	-292.8	0.00	0.00	
5,900.0	10.45	250.93	5,817.8	-298.8	-864.0	-298.8	0.00	0.00	
6,000.0	10.45	250.93	5,916.2	-304.7	-881.2	-304.7	0.00	0.00	
6,100.0	10.45	250.93	6,014.5	-310.6	-898.3	-310.6	0.00	0.00	
6,200.0	10.45	250.93	6,112.9	-316.5	-915.5	-316.5	0.00	0.00	
6,300.0	10.45	250.93	6,211.2	-322.5	-932.6	-322.5	0.00	0.00	
6,400.0	10.45	250.93	6,309.5	-328.4	-949.8	-328.4	0.00	0.00	
6,500.0	10.45	250.93	6,407.9	-334.3	-966.9	-334.3	0.00	0.00	
6,600.0	10.45	250.93	6,506.2	-340.2	-984.1	-340.2	0.00	0.00	
6,700.0	10.45	250.93	6,604.6	-346.2	-1,001.2	-346.2	0.00	0.00	
6,800.0	10.45	250.93	6,702.9	-352.1	-1,018.4	-352.1	0.00	0.00	
6,846.9	10.45	250.93	6,749.0	-354.9	-1,026.4	-354.9	0.00	0.00	Teepee Buttes (*if present)
6,900.0	10.45	250.93	6,801.2	-358.0	-1,035.5	-358.0	0.00	0.00	
7,000.0	10.45	250.93	6,899.6	-364.0	-1,052.7	-364.0	0.00	0.00	
7,100.0	10.45	250.93	6,997.9	-369.9	-1,069.8	-369.9	0.00	0.00	
7,134.8	10.45	250.93	7,032.1	-372.0	-1,075.8	-372.0	0.00	0.00	Start build/turn @ 7134' MD
7,200.0	10.37	287.64	7,096.3	-372.1	-1,087.0	-372.1	10.00	-0.13	
7,300.0	16.38	323.63	7,193.7	-358.0	-1,103.9	-358.0	10.00	6.01	
7,345.6	20.18	331.69	7,237.0	-345.9	-1,111.5	-345.9	10.00	8.34	Sharon Springs
7,400.0	25.04	338.09	7,287.2	-326.9	-1,120.2	-326.9	10.00	8.93	
7,442.4	28.97	341.64	7,325.0	-308.8	-1,126.8	-308.8	10.00	9.25	Niobrara
7,500.0	34.41	345.25	7,374.0	-279.8	-1,135.4	-279.8	10.00	9.45	
7,523.3	36.64	346.44	7,393.0	-266.7	-1,138.7	-266.7	10.00	9.55	B Chalk
7,549.9	39.19	347.65	7,414.0	-250.8	-1,142.3	-250.8	10.00	9.60	B Marl
7,600.0	44.03	349.61	7,451.4	-218.2	-1,148.9	-218.2	10.00	9.66	
7,644.2	48.32	351.07	7,482.0	-186.8	-1,154.2	-186.8	10.00	9.71	C Chalk
7,680.0	51.81	352.12	7,505.0	-159.6	-1,158.2	-159.6	10.00	9.75	C Marl
7,700.0	53.76	352.66	7,517.1	-143.8	-1,160.3	-143.8	10.00	9.76	
7,726.0	56.31	353.32	7,532.0	-122.6	-1,162.9	-122.6	10.00	9.78	D Chalk
7,800.0	63.56	355.03	7,569.0	-59.0	-1,169.4	-59.0	10.00	9.80	
7,865.9	70.03	356.37	7,595.0	1.4	-1,173.9	1.4	10.00	9.82	Fort Hayes
7,900.0	73.38	357.02	7,605.7	33.7	-1,175.8	33.7	10.00	9.83	
7,945.5	77.87	357.85	7,617.0	77.7	-1,177.7	77.7	10.00	9.84	Codell
8,000.0	83.23	358.81	7,625.9	131.4	-1,179.3	131.4	10.00	9.85	
8,068.7	90.00	0.00	7,630.0	200.0	-1,180.0	200.0	10.00	9.85	LP @ 7630' TVD; 90°
8,100.0	90.00	0.00	7,630.0	231.3	-1,180.0	231.3	0.00	0.00	
8,200.0	90.00	0.00	7,630.0	331.3	-1,180.0	331.3	0.00	0.00	
8,300.0	90.00	0.00	7,630.0	431.3	-1,180.0	431.3	0.00	0.00	
8,400.0	90.00	0.00	7,630.0	531.3	-1,180.0	531.3	0.00	0.00	
8,500.0	90.00	0.00	7,630.0	631.3	-1,180.0	631.3	0.00	0.00	
8,600.0	90.00	0.00	7,630.0	731.3	-1,180.0	731.3	0.00	0.00	
8,700.0	90.00	0.00	7,630.0	831.3	-1,180.0	831.3	0.00	0.00	

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<b>Well:</b>	Sullivan 4E-26H-P268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #2		

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	0.00	7,630.0	931.3	-1,180.0	931.3	0.00	0.00	
8,900.0	90.00	0.00	7,630.0	1,031.3	-1,180.0	1,031.3	0.00	0.00	
9,000.0	90.00	0.00	7,630.0	1,131.3	-1,180.0	1,131.3	0.00	0.00	
9,100.0	90.00	0.00	7,630.0	1,231.3	-1,180.0	1,231.3	0.00	0.00	
9,200.0	90.00	0.00	7,630.0	1,331.3	-1,180.0	1,331.3	0.00	0.00	
9,300.0	90.00	0.00	7,630.0	1,431.3	-1,180.0	1,431.3	0.00	0.00	
9,400.0	90.00	0.00	7,630.0	1,531.3	-1,180.0	1,531.3	0.00	0.00	
9,500.0	90.00	0.00	7,630.0	1,631.3	-1,180.0	1,631.3	0.00	0.00	
9,600.0	90.00	0.00	7,630.0	1,731.3	-1,180.0	1,731.3	0.00	0.00	
9,700.0	90.00	0.00	7,630.0	1,831.3	-1,180.0	1,831.3	0.00	0.00	
9,800.0	90.00	0.00	7,630.0	1,931.3	-1,180.0	1,931.3	0.00	0.00	
9,900.0	90.00	0.00	7,630.0	2,031.3	-1,180.0	2,031.3	0.00	0.00	
10,000.0	90.00	0.00	7,630.0	2,131.3	-1,180.0	2,131.3	0.00	0.00	
10,100.0	90.00	0.00	7,630.0	2,231.3	-1,180.0	2,231.3	0.00	0.00	
10,200.0	90.00	0.00	7,630.0	2,331.3	-1,180.0	2,331.3	0.00	0.00	
10,300.0	90.00	0.00	7,630.0	2,431.3	-1,180.0	2,431.3	0.00	0.00	
10,400.0	90.00	0.00	7,630.0	2,531.3	-1,180.0	2,531.3	0.00	0.00	
10,500.0	90.00	0.00	7,630.0	2,631.3	-1,180.0	2,631.3	0.00	0.00	
10,600.0	90.00	0.00	7,630.0	2,731.3	-1,180.0	2,731.3	0.00	0.00	
10,700.0	90.00	0.00	7,630.0	2,831.3	-1,180.0	2,831.3	0.00	0.00	
10,800.0	90.00	0.00	7,630.0	2,931.3	-1,180.0	2,931.3	0.00	0.00	
10,900.0	90.00	0.00	7,630.0	3,031.3	-1,180.0	3,031.3	0.00	0.00	
11,000.0	90.00	0.00	7,630.0	3,131.3	-1,180.0	3,131.3	0.00	0.00	
11,100.0	90.00	0.00	7,630.0	3,231.3	-1,180.0	3,231.3	0.00	0.00	
11,200.0	90.00	0.00	7,630.0	3,331.3	-1,180.0	3,331.3	0.00	0.00	
11,300.0	90.00	0.00	7,630.0	3,431.3	-1,180.0	3,431.3	0.00	0.00	
11,400.0	90.00	0.00	7,630.0	3,531.3	-1,180.0	3,531.3	0.00	0.00	
11,500.0	90.00	0.00	7,630.0	3,631.3	-1,180.0	3,631.3	0.00	0.00	
11,600.0	90.00	0.00	7,630.0	3,731.3	-1,180.0	3,731.3	0.00	0.00	
11,700.0	90.00	0.00	7,630.0	3,831.3	-1,180.0	3,831.3	0.00	0.00	
11,800.0	90.00	0.00	7,630.0	3,931.3	-1,180.0	3,931.3	0.00	0.00	
11,900.0	90.00	0.00	7,630.0	4,031.3	-1,180.0	4,031.3	0.00	0.00	
12,000.0	90.00	0.00	7,630.0	4,131.3	-1,180.0	4,131.3	0.00	0.00	
12,100.0	90.00	0.00	7,630.0	4,231.3	-1,180.0	4,231.3	0.00	0.00	
12,200.0	90.00	0.00	7,630.0	4,331.3	-1,180.0	4,331.3	0.00	0.00	
12,300.0	90.00	0.00	7,630.0	4,431.3	-1,180.0	4,431.3	0.00	0.00	
12,400.0	90.00	0.00	7,630.0	4,531.3	-1,180.0	4,531.3	0.00	0.00	
12,500.0	90.00	0.00	7,630.0	4,631.3	-1,180.0	4,631.3	0.00	0.00	
12,600.0	90.00	0.00	7,630.0	4,731.3	-1,180.0	4,731.3	0.00	0.00	
12,700.0	90.00	0.00	7,630.0	4,831.3	-1,180.0	4,831.3	0.00	0.00	
12,800.0	90.00	0.00	7,630.0	4,931.3	-1,180.0	4,931.3	0.00	0.00	
12,900.0	90.00	0.00	7,630.0	5,031.3	-1,180.0	5,031.3	0.00	0.00	
13,000.0	90.00	0.00	7,630.0	5,131.3	-1,180.0	5,131.3	0.00	0.00	
13,100.0	90.00	0.00	7,630.0	5,231.3	-1,180.0	5,231.3	0.00	0.00	
13,200.0	90.00	0.00	7,630.0	5,331.3	-1,180.0	5,331.3	0.00	0.00	
13,300.0	90.00	0.00	7,630.0	5,431.3	-1,180.0	5,431.3	0.00	0.00	
13,400.0	90.00	0.00	7,630.0	5,531.3	-1,180.0	5,531.3	0.00	0.00	
13,500.0	90.00	0.00	7,630.0	5,631.3	-1,180.0	5,631.3	0.00	0.00	
13,600.0	90.00	0.00	7,630.0	5,731.3	-1,180.0	5,731.3	0.00	0.00	
13,618.7	90.00	0.00	7,630.0	5,750.0	-1,180.0	5,750.0	0.00	0.00	Start turn @ 13,618' MD
13,700.0	90.00	1.63	7,630.0	5,831.2	-1,178.8	5,831.2	2.00	0.00	
13,800.0	90.00	3.63	7,630.0	5,931.1	-1,174.3	5,931.1	2.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site:</b>	S26-T2N-R68W (Sullivan)	<b>North Reference:</b>	True
<b>Well:</b>	Sullivan 4E-26H-P268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #2		

### 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
13,900.0	90.00	5.63	7,630.0	6,030.8	-1,166.2	6,030.8	2.00	0.00	
13,928.8	90.00	6.20	7,630.0	6,059.5	-1,163.2	6,059.5	2.00	0.00	End of turn @ 13,928' MD
14,000.0	90.00	6.20	7,630.0	6,130.2	-1,155.5	6,130.2	0.00	0.00	
14,100.0	90.00	6.20	7,630.0	6,229.7	-1,144.7	6,229.7	0.00	0.00	
14,200.0	90.00	6.20	7,630.0	6,329.1	-1,133.9	6,329.1	0.00	0.00	
14,300.0	90.00	6.20	7,630.0	6,428.5	-1,123.1	6,428.5	0.00	0.00	
14,400.0	90.00	6.20	7,630.0	6,527.9	-1,112.3	6,527.9	0.00	0.00	
14,500.0	90.00	6.20	7,630.0	6,627.3	-1,101.5	6,627.3	0.00	0.00	
14,600.0	90.00	6.20	7,630.0	6,726.7	-1,090.7	6,726.7	0.00	0.00	
14,700.0	90.00	6.20	7,630.0	6,826.1	-1,079.9	6,826.1	0.00	0.00	
14,795.1	90.00	6.20	7,630.0	6,920.6	-1,069.7	6,920.6	0.00	0.00	TD at 14795.1

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
PBHL 4E-26H-P268 - plan hits target center - Point	0.00	0.00	7,630.0	6,920.6	-1,069.7	1,288,044.87	3,149,146.11	40.122838	-104.966686
Sullivan 4E-26H-P268 T - plan hits target center - Point	0.00	0.00	7,630.0	5,750.0	-1,180.0	1,286,873.58	3,149,042.86	40.119624	-104.967080

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
350.0	350.0	Fox Hills - BASE			
4,450.1	4,392.0	Sussex			
5,020.6	4,953.0	Shannon			
6,846.9	6,749.0	Teepee Buttes (*if present)			
7,345.6	7,237.0	Sharon Springs			
7,442.4	7,325.0	Niobrara			
7,523.3	7,393.0	B Chalk			
7,549.9	7,414.0	B Marl			
7,644.2	7,482.0	C Chalk			
7,680.0	7,505.0	C Marl			
7,726.0	7,532.0	D Chalk			
7,865.9	7,595.0	Fort Hayes			
7,945.5	7,617.0	Codell			

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site:</b>	S26-T2N-R68W (Sullivan)	<b>North Reference:</b>	True
<b>Well:</b>	Sullivan 4E-26H-P268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	HZ		
<b>Design:</b>	Plan #2		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.0	600.0	0.0	0.0	KOP @ 600'
1,122.6	1,119.7	-15.5	-44.9	EOB; Inc=10.45°
7,134.8	7,032.1	-372.0	-1,075.8	Start build/turn @ 7134' MD
8,068.7	7,630.0	200.0	-1,180.0	LP @ 7630' TVD; 90°
13,618.7	7,630.0	5,750.0	-1,180.0	Start turn @ 13,618' MD
13,928.8	7,630.0	6,059.5	-1,163.2	End of turn @ 13,928' MD
14,795.1	7,630.0	6,920.6	-1,069.7	TD at 14795.1

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

**DJ Wattenberg**

**S26-T2N-R68W (Sullivan)**

**Sullivan 4E-26H-P268**

**HZ**

**Plan #2**

## **Anticollision Report**

**23 October, 2014**



## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #2
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<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 1,000.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>	<b>Date</b>	10/23/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	14,795.1	Plan #2 (HZ)	Geolink MWD	Geolink MWD

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
S26-T2N-R68W (Sullivan)						
BERGER 32-23 - SUNDANCE WELL - NO SURVEYS						Out of range
BERGER 42-23C - SUNDANCE WELL - NO SURVEYS						Out of range
Duke State 30-36 - KMG WELL - SURVEYS						Out of range
GRANT 1 - KPK WELL - NO SURVEYS						Out of range
GRANT 3 - KPK WELL - NO SURVEYS						Out of range
GRANT 4 - KPK WELL - NO SURVEYS						Out of range
GRANT BROS 41-26 - SUNDANCE WELL - NO SURVEYS						Out of range
GRANT BROS 43-23 - SUNDANCE WELL - NO SURVEYS						Out of range
GRANT BROTHERS 2-26 - ENCANA WELL - NO SURVEYS	11,021.2	7,579.0	626.8	554.9	8.722	CC, ES
GRANT BROTHERS 2-26 - ENCANA WELL - NO SURVEYS	11,100.0	7,579.0	631.7	558.5	8.629	SF
GRANT BROTHERS 23-2Ae - SUNDANCE WELL - SURVEYS	14,795.6	7,944.1	579.7	418.9	3.605	CC, ES, SF
GRANT BROTHERS 31-26 - ENCANA WELL - NO SURVEYS	14,746.4	7,855.2	961.4	810.4	6.369	CC, ES
GRANT BROTHERS 23-43 - SUNDANCE WELL - SURVEYS	14,795.6	7,856.2	962.6	810.8	6.341	SF
GRANT BROTHERS 23-4AE - SUNDANCE WELL - SURVEYS	13,893.2	7,656.7	966.3	842.4	7.799	CC, ES
GRANT BROTHERS 23-4AE - SUNDANCE WELL - SURVEYS	14,000.0	7,657.0	973.3	848.0	7.769	SF
GRANT BROTHERS 23-54 - SUNDANCE WELL - SURVEYS	14,000.0	7,210.0	574.5	494.0	7.138	CC, ES, SF
GRANT BROTHERS 31-26 - ENCANA WELL - NO SURVEYS	12,089.7	7,559.0	128.9	38.7	1.429	Level 3, CC, ES, SF
GRANT BROTHERS 32-26 - ENCANA WELL - NO SURVEYS	10,612.6	7,565.0	393.3	328.4	6.062	CC, ES, SF
GRANT BROTHERS 3-23 - ENCANA WELL - SURVEYS	13,645.4	7,570.8	82.5	-27.8	0.748	Level 1, CC, ES, SF
GRANT BROTHERS 33-23C - ENCANA - NO SURVEYS	14,551.4	7,545.0	151.9	21.7	1.167	Level 2, CC, ES, SF
GRANT BROTHERS 34-23C - ENCANA - NO SURVEYS	13,287.5	7,551.0	78.8	-32.1	0.710	Level 1, CC, ES, SF
GRANT BROTHERS 42-26 - ENCANA WELL - Existing						Out of range
GRANT BROTHERS 44-23C - ENCANA - NO SURVEYS						Out of range
JOHNSON 1 - KPK WELL - NO SURVEYS	5,324.8	5,085.0	782.1	760.1	35.570	CC, ES
JOHNSON 1 - KPK WELL - NO SURVEYS	5,400.0	5,085.0	785.7	763.5	35.406	SF
JOHNSON 2 - KPK WELL - NO SURVEYS						Out of range
MEREDITH 1 - KPK WELL - NO SURVEYS	600.0	563.0	92.9	91.0	47.080	CC, ES
MEREDITH 1 - KPK WELL - NO SURVEYS	1,100.0	1,060.5	115.6	111.8	30.192	SF
MEREDITH 2 - KPK WELL - NO SURVEYS						Out of range
PACE-CONNELLY 1 - FOUNDATION WELL - NO SURVEYS						Out of range
SULLIVAN 1 - ENCANA WELL - NO SURVEYS	9,311.3	7,592.0	723.8	680.3	16.641	CC, ES
SULLIVAN 1 - ENCANA WELL - NO SURVEYS	9,500.0	7,592.0	748.0	701.5	16.090	SF
SULLIVAN 33-26 - ENCANA WELL - NO SURVEYS	9,270.2	7,573.0	457.4	414.6	10.683	CC, ES
SULLIVAN 33-26 - ENCANA WELL - NO SURVEYS	9,300.0	7,573.0	458.4	415.1	10.591	SF
SULLIVAN 34-26 - ENCANA WELL - SURVEYS	7,823.8	7,528.9	667.3	640.3	24.701	CC, ES
SULLIVAN 34-26 - ENCANA WELL - SURVEYS	7,900.0	7,557.5	672.0	644.8	24.690	SF
SULLIVAN 44-26 - ENCANA WELL - NO SURVEYS	600.0	565.0	19.9	17.9	10.052	CC, ES
SULLIVAN 44-26 - ENCANA WELL - NO SURVEYS	800.0	764.8	23.4	20.8	8.740	SF
SULLIVAN 4-6-26 - ENCANA WELL - SURVEYS	8,625.2	7,661.5	747.6	708.7	19.245	CC, ES
SULLIVAN 4-6-26 - ENCANA WELL - SURVEYS	8,800.0	7,664.0	767.7	726.5	18.629	SF
Sullivan 4A-26H-P268 - HZ - Plan #2	200.0	199.0	40.0	39.4	68.415	CC, ES
Sullivan 4A-26H-P268 - HZ - Plan #2	14,795.6	14,964.0	920.0	681.8	3.862	SF
Sullivan 4B-26H-P268 - HZ - Plan #1	300.0	300.0	29.9	29.0	31.995	CC, ES
Sullivan 4B-26H-P268 - HZ - Plan #1	13,700.0	13,958.0	560.0	351.6	2.687	SF
Sullivan 4C-26H-P268 - HZ - Plan #1	400.0	400.0	19.9	18.6	15.461	CC, ES
Sullivan 4C-26H-P268 - HZ - Plan #1	14,600.0	14,590.2	481.8	272.9	2.306	SF
Sullivan 4D-26H-P268 - HZ - Plan #3	500.0	500.0	10.1	8.4	6.164	CC, ES
Sullivan 4D-26H-P268 - HZ - Plan #3	14,770.9	14,880.2	263.1	53.9	1.258	Level 3, SF
Sullivan 4F-26H-P268 - HZ - Plan #1	600.0	600.0	10.1	8.1	5.082	CC, ES
Sullivan 4F-26H-P268 - HZ - Plan #1	14,795.6	14,649.9	317.1	143.9	1.830	SF
Sullivan 4G-26H-P268 - HZ - Plan #1	600.0	600.0	20.1	18.2	10.160	CC, ES
Sullivan 4G-26H-P268 - HZ - Plan #1	14,795.6	14,742.8	466.8	233.8	2.004	SF
Sullivan 4H-26H-P268 - HZ - Plan #1	600.0	601.0	29.9	27.9	15.084	CC, ES

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
	Depth	Depth	Centres	Ellipses		
Offset Well - Wellbore - Design	(ft)	(ft)	(ft)	(ft)	Factor	
S26-T2N-R68W (Sullivan)						
Sullivan 4H-26H-P268 - HZ - Plan #1	14,795.6	14,857.9	674.7	431.1	2.769	SF
Sullivan 4I-26H-P268 - HZ - Plan #1	600.0	601.0	40.0	38.0	20.158	CC, ES
Sullivan 4I-26H-P268 - HZ - Plan #1	14,700.0	14,337.4	956.5	725.8	4.147	SF
Sullivan 4J-26H-P268 - HZ - Plan #1	600.0	600.0	50.1	48.1	25.255	CC, ES
Sullivan 4J-26H-P268 - HZ - Plan #1	800.0	799.8	56.7	54.0	21.172	SF
Sullivan 4K-26H-P268 - HZ - Plan #1	600.0	600.0	60.1	58.2	30.334	CC, ES
Sullivan 4K-26H-P268 - HZ - Plan #1	900.0	899.5	75.1	72.1	24.849	SF
Sullivan 4L-26H-P268 - HZ - Plan #2	600.0	600.0	69.9	68.0	35.273	CC, ES
Sullivan 4L-26H-P268 - HZ - Plan #2	900.0	899.5	84.9	81.9	28.073	SF
SULLIVAN 6-8-26 - ENCANA WELL - SURVEYS	6,500.0	6,498.2	119.2	81.4	3.151	SF
SULLIVAN 6-8-26 - ENCANA WELL - SURVEYS	6,600.0	6,596.8	117.1	80.3	3.183	ES
SULLIVAN 6-8-26 - ENCANA WELL - SURVEYS	6,633.8	6,630.0	117.0	80.6	3.217	CC
SULLIVAN 8-6-26 - ENCANA WELL - Plan #2						Out of range
SULLIVAN 8-6-26 - ENCANA WELL - SURVEYS						Out of range

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 2-26 - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8110-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,300.0	7,630.0	7,579.0	7,579.0	50.8	13.2	90.00	3,152.5	-553.2	955.5	895.9	59.64	16.022		
10,400.0	7,630.0	7,579.0	7,579.0	52.4	13.2	90.00	3,152.5	-553.2	882.5	821.2	61.32	14.392		
10,500.0	7,630.0	7,579.0	7,579.0	53.9	13.2	90.00	3,152.5	-553.2	815.2	752.2	63.00	12.938		
10,600.0	7,630.0	7,579.0	7,579.0	55.5	13.2	90.00	3,152.5	-553.2	755.2	690.5	64.70	11.673		
10,700.0	7,630.0	7,579.0	7,579.0	57.1	13.2	90.00	3,152.5	-553.2	704.3	637.9	66.39	10.609		
10,800.0	7,630.0	7,579.0	7,579.0	58.7	13.2	90.00	3,152.5	-553.2	664.7	596.6	68.09	9.762		
10,900.0	7,630.0	7,579.0	7,579.0	60.2	13.2	90.00	3,152.5	-553.2	638.4	568.6	69.79	9.147		
11,000.0	7,630.0	7,579.0	7,579.0	61.9	13.2	90.00	3,152.5	-553.2	627.1	555.6	71.49	8.772		
11,021.2	7,630.0	7,579.0	7,579.0	62.2	13.2	90.00	3,152.5	-553.2	626.8	554.9	71.86	8.722 CC, ES		
11,100.0	7,630.0	7,579.0	7,579.0	63.5	13.2	90.00	3,152.5	-553.2	631.7	558.5	73.20	8.629 SF		
11,200.0	7,630.0	7,579.0	7,579.0	65.1	13.2	90.00	3,152.5	-553.2	651.8	576.9	74.91	8.700		
11,300.0	7,630.0	7,579.0	7,579.0	66.7	13.2	90.00	3,152.5	-553.2	686.0	609.3	76.63	8.952		
11,400.0	7,630.0	7,579.0	7,579.0	68.3	13.2	90.00	3,152.5	-553.2	732.3	654.0	78.34	9.348		
11,500.0	7,630.0	7,579.0	7,579.0	70.0	13.2	90.00	3,152.5	-553.2	788.7	708.6	80.06	9.852		
11,600.0	7,630.0	7,579.0	7,579.0	71.6	13.2	90.00	3,152.5	-553.2	853.1	771.3	81.78	10.432		
11,700.0	7,630.0	7,579.0	7,579.0	73.3	13.2	90.00	3,152.5	-553.2	923.9	840.4	83.50	11.065		
11,800.0	7,630.0	7,579.0	7,579.0	74.9	13.2	90.00	3,152.5	-553.2	999.7	914.4	85.22	11.731		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S26-T2N-R68W (Sullivan) - GRANT BROTHERS 23-2Ae - SUNDANCE WELL - SURVEYS												<b>Offset Site Error:</b>	0.0 ft
Survey Program: 118-Geolink MWD												<b>Offset Well Error:</b>	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
14,400.0	7,630.0	7,945.3	7,546.2	118.7	40.5	88.35	7,422.3	-778.3	954.8	800.9	153.95	6.202	
14,500.0	7,630.0	7,945.0	7,545.9	120.3	40.5	88.27	7,422.3	-778.3	858.3	702.6	155.69	5.513	
14,600.0	7,630.0	7,944.7	7,545.6	122.0	40.5	88.20	7,422.3	-778.3	762.6	605.2	157.43	4.844	
14,700.0	7,630.0	7,944.4	7,545.3	123.7	40.5	88.13	7,422.4	-778.3	668.2	509.0	159.16	4.198	
14,795.6	7,630.0	7,944.1	7,545.0	125.3	40.5	88.05	7,422.4	-778.4	579.7	418.9	160.83	3.605 CC, ES, SF	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 23-43 - SUNDANCE WELL - SURVEYS												Offset Site Error:		0.0 ft	
Survey Program: 177-Geolink MWD												Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor				
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis				
14,500.0	7,630.0	7,850.2	7,547.4	120.3	36.8	89.67	6,768.4	-119.2	992.4	845.8	146.65	6.767			
14,600.0	7,630.0	7,852.2	7,549.4	122.0	36.8	89.79	6,768.4	-119.2	972.4	824.1	148.40	6.553			
14,700.0	7,630.0	7,854.3	7,551.4	123.7	36.8	89.91	6,768.4	-119.2	962.5	812.3	150.14	6.410			
14,746.4	7,630.0	7,855.2	7,552.4	124.5	36.8	89.96	6,768.5	-119.2	961.4	810.4	150.95	6.369 CC, ES			
14,795.6	7,630.0	7,856.2	7,553.4	125.3	36.8	90.02	6,768.5	-119.2	962.6	810.8	151.81	6.341 SF			

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S26-T2N-R68W (Sullivan) - GRANT BROTHERS 23-4AE - SUNDANCE WELL - SURVEYS													<b>Offset Site Error:</b> 0.0 ft
Survey Program: 117-Geolink MWD													<b>Offset Well Error:</b> 0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
13,700.0	7,630.0	7,656.1	7,544.4	106.9	22.1	-89.48	6,116.5	-2,128.7	991.8	868.9	122.90	8.070	
13,800.0	7,630.0	7,656.5	7,544.7	108.6	22.1	-89.51	6,116.5	-2,128.7	972.3	848.8	123.48	7.874	
13,893.2	7,630.0	7,656.7	7,545.0	110.2	22.1	-89.52	6,116.5	-2,128.7	966.3	842.4	123.91	7.799 CC, ES	
13,900.0	7,630.0	7,656.8	7,545.0	110.3	22.1	-89.52	6,116.5	-2,128.7	966.3	842.4	123.93	7.797	
14,000.0	7,630.0	7,657.0	7,545.3	112.0	22.1	-89.54	6,116.5	-2,128.7	973.3	848.0	125.28	7.769 SF	
14,100.0	7,630.0	7,657.3	7,545.5	113.6	22.1	-89.56	6,116.5	-2,128.7	990.5	863.4	127.02	7.798	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 23-54 - SUNDANCE WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 118-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
13,200.0	7,630.0	7,210.0	7,098.0	98.4	21.2	39.04	6,077.3	-810.2	949.3	873.8	75.49	12.576		
13,300.0	7,630.0	7,210.0	7,098.0	100.1	21.2	39.04	6,077.3	-810.2	873.0	796.4	76.59	11.398		
13,400.0	7,630.0	7,210.0	7,098.0	101.8	21.2	39.04	6,077.3	-810.2	801.8	724.1	77.69	10.320		
13,500.0	7,630.0	7,210.0	7,098.0	103.5	21.2	39.04	6,077.3	-810.2	737.3	658.5	78.80	9.357		
13,600.0	7,630.0	7,210.0	7,098.0	105.2	21.2	39.04	6,077.3	-810.2	681.5	601.6	79.90	8.529		
13,700.0	7,630.0	7,210.0	7,098.0	106.9	21.2	38.40	6,077.3	-810.2	635.9	556.1	79.78	7.971		
13,800.0	7,630.0	7,210.0	7,098.0	108.6	21.2	37.83	6,077.3	-810.2	601.6	522.0	79.58	7.559		
13,900.0	7,630.0	7,210.0	7,098.0	110.3	21.2	37.48	6,077.3	-810.2	580.4	500.8	79.65	7.287		
13,985.1	7,630.0	7,210.0	7,098.0	111.7	21.2	37.46	6,077.3	-810.2	574.5	494.1	80.39	7.147		
14,000.0	7,630.0	7,210.0	7,098.0	112.0	21.2	37.43	6,077.3	-810.2	574.5	494.0	80.48	7.138 CC, ES, SF		
14,100.0	7,630.0	7,210.0	7,098.0	113.6	21.2	37.43	6,077.3	-810.2	585.8	504.2	81.55	7.183		
14,200.0	7,630.0	7,210.0	7,098.0	115.3	21.2	37.43	6,077.3	-810.2	613.3	530.7	82.62	7.424		
14,300.0	7,630.0	7,210.0	7,098.0	117.0	21.2	37.43	6,077.3	-810.2	655.2	571.5	83.68	7.829		
14,400.0	7,630.0	7,210.0	7,098.0	118.7	21.2	37.43	6,077.3	-810.2	708.7	624.0	84.75	8.362		
14,500.0	7,630.0	7,210.0	7,098.0	120.3	21.2	37.43	6,077.3	-810.2	771.6	685.8	85.82	8.991		
14,600.0	7,630.0	7,210.0	7,098.0	122.0	21.2	37.43	6,077.3	-810.2	841.7	754.8	86.89	9.687		
14,700.0	7,630.0	7,210.0	7,098.0	123.7	21.2	37.43	6,077.3	-810.2	917.4	829.4	87.96	10.429		
14,795.6	7,630.0	7,210.0	7,098.0	125.3	21.2	37.43	6,077.3	-810.2	993.7	904.7	88.99	11.167		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 31-26 - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8118-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
11,100.0	7,630.0	7,559.0	7,559.0	63.5	13.2	-90.00	4,221.0	-1,308.9	998.1	924.9	73.17	13.641		
11,200.0	7,630.0	7,559.0	7,559.0	65.1	13.2	-90.00	4,221.0	-1,308.9	899.0	824.1	74.88	12.006		
11,300.0	7,630.0	7,559.0	7,559.0	66.7	13.2	-90.00	4,221.0	-1,308.9	800.2	723.6	76.59	10.447		
11,400.0	7,630.0	7,559.0	7,559.0	68.3	13.2	-90.00	4,221.0	-1,308.9	701.6	623.3	78.31	8.960		
11,500.0	7,630.0	7,559.0	7,559.0	70.0	13.2	-90.00	4,221.0	-1,308.9	603.6	523.6	80.02	7.543		
11,600.0	7,630.0	7,559.0	7,559.0	71.6	13.2	-90.00	4,221.0	-1,308.9	506.4	424.6	81.74	6.195		
11,700.0	7,630.0	7,559.0	7,559.0	73.3	13.2	-90.00	4,221.0	-1,308.9	410.5	327.0	83.46	4.918		
11,800.0	7,630.0	7,559.0	7,559.0	74.9	13.2	-90.00	4,221.0	-1,308.9	317.1	231.9	85.18	3.722		
11,900.0	7,630.0	7,559.0	7,559.0	76.6	13.2	-90.00	4,221.0	-1,308.9	229.4	142.4	86.91	2.639		
12,000.0	7,630.0	7,559.0	7,559.0	78.2	13.2	-90.00	4,221.0	-1,308.9	157.0	68.4	88.63	1.772		
12,089.7	7,630.0	7,559.0	7,559.0	79.7	13.2	-90.00	4,221.0	-1,308.9	128.9	38.7	90.18	1.429	Level 3, CC, ES, SF	
12,100.0	7,630.0	7,559.0	7,559.0	79.9	13.2	-90.00	4,221.0	-1,308.9	129.3	39.0	90.36	1.431	Level 3	
12,200.0	7,630.0	7,559.0	7,559.0	81.6	13.2	-90.00	4,221.0	-1,308.9	169.7	77.6	92.09	1.842		
12,300.0	7,630.0	7,559.0	7,559.0	83.2	13.2	-90.00	4,221.0	-1,308.9	246.7	152.8	93.81	2.629		
12,400.0	7,630.0	7,559.0	7,559.0	84.9	13.2	-90.00	4,221.0	-1,308.9	336.0	240.5	95.54	3.517		
12,500.0	7,630.0	7,559.0	7,559.0	86.6	13.2	-90.00	4,221.0	-1,308.9	430.1	332.8	97.28	4.421		
12,600.0	7,630.0	7,559.0	7,559.0	88.3	13.2	-90.00	4,221.0	-1,308.9	526.3	427.3	99.01	5.316		
12,700.0	7,630.0	7,559.0	7,559.0	90.0	13.2	-90.00	4,221.0	-1,308.9	623.8	523.0	100.74	6.192		
12,800.0	7,630.0	7,559.0	7,559.0	91.7	13.2	-90.00	4,221.0	-1,308.9	721.9	619.4	102.47	7.045		
12,900.0	7,630.0	7,559.0	7,559.0	93.3	13.2	-90.00	4,221.0	-1,308.9	820.5	716.3	104.21	7.874		
13,000.0	7,630.0	7,559.0	7,559.0	95.0	13.2	-90.00	4,221.0	-1,308.9	919.4	813.4	105.94	8.678		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 32-26 - ENCANA WELL - NO SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 8140-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							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		
9,700.0	7,630.0	7,565.0	7,565.0	42.0	13.2	-90.00	2,743.8	-1,573.3	993.7	944.0	49.67	20.005		
9,800.0	7,630.0	7,565.0	7,565.0	43.4	13.2	-90.00	2,743.8	-1,573.3	902.7	851.4	51.31	17.594		
9,900.0	7,630.0	7,565.0	7,565.0	44.9	13.2	-90.00	2,743.8	-1,573.3	813.9	760.9	52.95	15.370		
10,000.0	7,630.0	7,565.0	7,565.0	46.3	13.2	-90.00	2,743.8	-1,573.3	728.0	673.3	54.61	13.331		
10,100.0	7,630.0	7,565.0	7,565.0	47.8	13.2	-90.00	2,743.8	-1,573.3	646.1	589.8	56.27	11.482		
10,200.0	7,630.0	7,565.0	7,565.0	49.3	13.2	-90.00	2,743.8	-1,573.3	570.0	512.1	57.94	9.838		
10,300.0	7,630.0	7,565.0	7,565.0	50.8	13.2	-90.00	2,743.8	-1,573.3	502.4	442.8	59.61	8.427		
10,400.0	7,630.0	7,565.0	7,565.0	52.4	13.2	-90.00	2,743.8	-1,573.3	447.1	385.8	61.29	7.294		
10,500.0	7,630.0	7,565.0	7,565.0	53.9	13.2	-90.00	2,743.8	-1,573.3	409.1	346.1	62.98	6.495		
10,600.0	7,630.0	7,565.0	7,565.0	55.5	13.2	-90.00	2,743.8	-1,573.3	393.5	328.8	64.67	6.085		
10,612.6	7,630.0	7,565.0	7,565.0	55.7	13.2	-90.00	2,743.8	-1,573.3	393.3	328.4	64.88	6.062 CC, ES, SF		
10,700.0	7,630.0	7,565.0	7,565.0	57.1	13.2	-90.00	2,743.8	-1,573.3	402.9	336.5	66.37	6.071		
10,800.0	7,630.0	7,565.0	7,565.0	58.7	13.2	-90.00	2,743.8	-1,573.3	435.7	367.6	68.06	6.401		
10,900.0	7,630.0	7,565.0	7,565.0	60.2	13.2	-90.00	2,743.8	-1,573.3	487.1	417.4	69.77	6.982		
11,000.0	7,630.0	7,565.0	7,565.0	61.9	13.2	-90.00	2,743.8	-1,573.3	552.1	480.6	71.47	7.725		
11,100.0	7,630.0	7,565.0	7,565.0	63.5	13.2	-90.00	2,743.8	-1,573.3	626.3	553.1	73.18	8.559		
11,200.0	7,630.0	7,565.0	7,565.0	65.1	13.2	-90.00	2,743.8	-1,573.3	706.9	632.0	74.89	9.440		
11,300.0	7,630.0	7,565.0	7,565.0	66.7	13.2	-90.00	2,743.8	-1,573.3	792.0	715.4	76.60	10.339		
11,400.0	7,630.0	7,565.0	7,565.0	68.3	13.2	-90.00	2,743.8	-1,573.3	880.2	801.9	78.32	11.239		
11,500.0	7,630.0	7,565.0	7,565.0	70.0	13.2	-90.00	2,743.8	-1,573.3	970.7	890.6	80.03	12.129		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 3-23 - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 100-Gyro													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
12,700.0	7,630.0	7,584.4	7,582.0	90.0	6.6	98.91	5,775.4	-1,097.1	947.9	854.6	93.24	10.166		
12,800.0	7,630.0	7,583.0	7,580.6	91.7	6.6	97.97	5,775.4	-1,097.1	848.3	753.2	95.14	8.916		
12,900.0	7,630.0	7,581.6	7,579.2	93.3	6.6	97.02	5,775.4	-1,097.2	748.9	651.8	97.04	7.717		
13,000.0	7,630.0	7,580.2	7,577.8	95.0	6.6	96.06	5,775.5	-1,097.2	649.6	550.7	98.92	6.567		
13,100.0	7,630.0	7,578.7	7,576.4	96.7	6.6	95.09	5,775.5	-1,097.2	550.5	449.8	100.78	5.463		
13,200.0	7,630.0	7,577.3	7,575.0	98.4	6.6	94.11	5,775.5	-1,097.2	451.9	349.3	102.63	4.404		
13,300.0	7,630.0	7,575.9	7,573.5	100.1	6.6	93.12	5,775.5	-1,097.2	354.1	249.7	104.46	3.390		
13,400.0	7,630.0	7,574.4	7,572.1	101.8	6.6	92.12	5,775.6	-1,097.2	258.0	151.7	106.26	2.428		
13,500.0	7,630.0	7,573.0	7,570.6	103.5	6.6	91.12	5,775.6	-1,097.2	166.4	58.3	108.04	1.540		
13,600.0	7,630.0	7,571.5	7,569.1	105.2	6.6	90.10	5,775.6	-1,097.2	93.9	-15.9	109.79	0.855 Level 1		
13,645.4	7,630.0	7,570.8	7,568.5	106.0	6.6	89.64	5,775.6	-1,097.2	82.5	-27.8	110.30	0.748 Level 1, CC, ES, SF		
13,700.0	7,630.0	7,570.0	7,567.7	106.9	6.6	89.09	5,775.6	-1,097.2	98.8	-12.1	110.90	0.891 Level 1		
13,800.0	7,630.0	7,568.6	7,566.2	108.6	6.6	88.17	5,775.6	-1,097.2	173.6	61.8	111.73	1.553		
13,900.0	7,630.0	7,567.1	7,564.8	110.3	6.6	87.42	5,775.7	-1,097.2	264.3	151.9	112.42	2.351		
14,000.0	7,630.0	7,565.7	7,563.3	112.0	6.6	86.64	5,775.7	-1,097.3	359.4	245.6	113.78	3.158		
14,100.0	7,630.0	7,564.3	7,561.9	113.6	6.6	85.78	5,775.7	-1,097.3	456.5	341.1	115.41	3.955		
14,200.0	7,630.0	7,562.8	7,560.4	115.3	6.6	84.92	5,775.7	-1,097.3	554.6	437.6	117.01	4.740		
14,300.0	7,630.0	7,561.3	7,559.0	117.0	6.6	84.05	5,775.7	-1,097.3	653.3	534.7	118.59	5.509		
14,400.0	7,630.0	7,559.9	7,557.5	118.7	6.6	83.18	5,775.8	-1,097.3	752.4	632.2	120.13	6.263		
14,500.0	7,630.0	7,558.4	7,556.0	120.3	6.6	82.31	5,775.8	-1,097.3	851.6	730.0	121.65	7.001		
14,600.0	7,630.0	7,556.9	7,554.5	122.0	6.6	81.43	5,775.8	-1,097.3	951.0	827.9	123.13	7.724		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 33-23C - ENCANA - NO SURVEYS												Offset Site Error: 0.0 ft		
Survey Program: 8100-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							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		
13,600.0	7,630.0	7,545.0	7,545.0	105.2	13.2	-90.00	6,694.8	-1,247.0	965.8	849.5	116.34	8.302		
13,700.0	7,630.0	7,545.0	7,545.0	106.9	13.2	-90.00	6,694.8	-1,247.0	866.2	748.7	117.47	7.374		
13,800.0	7,630.0	7,545.0	7,545.0	108.6	13.2	-90.00	6,694.8	-1,247.0	767.1	648.8	118.34	6.482		
13,900.0	7,630.0	7,545.0	7,545.0	110.3	13.2	-90.00	6,694.8	-1,247.0	668.9	549.8	119.09	5.616		
14,000.0	7,630.0	7,545.0	7,545.0	112.0	13.2	-90.00	6,694.8	-1,247.0	571.9	451.4	120.53	4.745		
14,100.0	7,630.0	7,545.0	7,545.0	113.6	13.2	-90.00	6,694.8	-1,247.0	476.2	354.0	122.27	3.895		
14,200.0	7,630.0	7,545.0	7,545.0	115.3	13.2	-90.00	6,694.8	-1,247.0	382.8	258.8	124.01	3.087		
14,300.0	7,630.0	7,545.0	7,545.0	117.0	13.2	-90.00	6,694.8	-1,247.0	293.7	167.9	125.75	2.335		
14,400.0	7,630.0	7,545.0	7,545.0	118.7	13.2	-90.00	6,694.8	-1,247.0	214.4	86.9	127.49	1.682		
14,500.0	7,630.0	7,545.0	7,545.0	120.3	13.2	-90.00	6,694.8	-1,247.0	160.3	31.1	129.23	1.241	Level 2	
14,551.4	7,630.0	7,545.0	7,545.0	121.2	13.2	-90.00	6,694.8	-1,247.0	151.9	21.7	130.13	1.167	Level 2, CC, ES, SF	
14,600.0	7,630.0	7,545.0	7,545.0	122.0	13.2	-90.00	6,694.8	-1,247.0	159.5	28.5	130.98	1.218	Level 2	
14,700.0	7,630.0	7,545.0	7,545.0	123.7	13.2	-90.00	6,694.8	-1,247.0	212.5	79.8	132.72	1.601		
14,795.6	7,630.0	7,545.0	7,545.0	125.3	13.2	-90.00	6,694.8	-1,247.0	287.6	153.2	134.39	2.140		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - GRANT BROTHERS 34-23C - ENCANA - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8090-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			
12,300.0	7,630.0	7,551.0	7,551.0	83.2	13.2	-90.00	5,418.7	-1,258.8	990.6	896.8	93.80	10.561		
12,400.0	7,630.0	7,551.0	7,551.0	84.9	13.2	-90.00	5,418.7	-1,258.8	890.9	795.4	95.53	9.326		
12,500.0	7,630.0	7,551.0	7,551.0	86.6	13.2	-90.00	5,418.7	-1,258.8	791.4	694.1	97.26	8.137		
12,600.0	7,630.0	7,551.0	7,551.0	88.3	13.2	-90.00	5,418.7	-1,258.8	691.9	593.0	98.99	6.990		
12,700.0	7,630.0	7,551.0	7,551.0	90.0	13.2	-90.00	5,418.7	-1,258.8	592.7	492.0	100.73	5.884		
12,800.0	7,630.0	7,551.0	7,551.0	91.7	13.2	-90.00	5,418.7	-1,258.8	493.8	391.3	102.46	4.819		
12,900.0	7,630.0	7,551.0	7,551.0	93.3	13.2	-90.00	5,418.7	-1,258.8	395.4	291.2	104.19	3.795		
13,000.0	7,630.0	7,551.0	7,551.0	95.0	13.2	-90.00	5,418.7	-1,258.8	298.0	192.1	105.93	2.814		
13,100.0	7,630.0	7,551.0	7,551.0	96.7	13.2	-90.00	5,418.7	-1,258.8	203.3	95.7	107.66	1.889		
13,200.0	7,630.0	7,551.0	7,551.0	98.4	13.2	-90.00	5,418.7	-1,258.8	117.7	8.3	109.40	1.076 Level 2		
13,287.5	7,630.0	7,551.0	7,551.0	99.9	13.2	-90.00	5,418.7	-1,258.8	78.8	-32.1	110.92	0.710 Level 1, CC, ES, SF		
13,300.0	7,630.0	7,551.0	7,551.0	100.1	13.2	-90.00	5,418.7	-1,258.8	79.8	-31.4	111.14	0.718 Level 1		
13,400.0	7,630.0	7,551.0	7,551.0	101.8	13.2	-90.00	5,418.7	-1,258.8	137.4	24.5	112.87	1.217 Level 2		
13,500.0	7,630.0	7,551.0	7,551.0	103.5	13.2	-90.00	5,418.7	-1,258.8	226.7	112.1	114.61	1.978		
13,600.0	7,630.0	7,551.0	7,551.0	105.2	13.2	-90.00	5,418.7	-1,258.8	322.3	206.0	116.35	2.770		
13,700.0	7,630.0	7,551.0	7,551.0	106.9	13.2	-90.00	5,418.7	-1,258.8	420.2	302.7	117.48	3.577		
13,800.0	7,630.0	7,551.0	7,551.0	108.6	13.2	-90.00	5,418.7	-1,258.8	519.4	401.0	118.35	4.388		
13,900.0	7,630.0	7,551.0	7,551.0	110.3	13.2	-90.00	5,418.7	-1,258.8	619.1	500.0	119.10	5.198		
14,000.0	7,630.0	7,551.0	7,551.0	112.0	13.2	-90.00	5,418.7	-1,258.8	719.0	598.4	120.54	5.965		
14,100.0	7,630.0	7,551.0	7,551.0	113.6	13.2	-90.00	5,418.7	-1,258.8	818.9	696.6	122.28	6.697		
14,200.0	7,630.0	7,551.0	7,551.0	115.3	13.2	-90.00	5,418.7	-1,258.8	918.9	794.9	124.02	7.409		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - JOHNSON 1 - KPK WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 5085-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)	
3,900.0	3,851.0	3,792.0	3,792.0	12.0	6.6	31.34	21.9	-1,485.1	984.9	969.8	15.07	65.368		
4,000.0	3,949.4	3,890.4	3,890.4	12.4	6.8	31.89	21.9	-1,485.1	969.4	953.9	15.53	62.420		
4,100.0	4,047.7	3,988.7	3,988.7	12.7	7.0	32.47	21.9	-1,485.1	954.0	938.0	16.00	59.627		
4,200.0	4,146.0	4,087.0	4,087.0	13.1	7.1	33.06	21.9	-1,485.1	938.6	922.2	16.47	56.978		
4,300.0	4,244.4	4,185.4	4,185.4	13.4	7.3	33.67	21.9	-1,485.1	923.4	906.4	16.95	54.464		
4,400.0	4,342.7	4,283.7	4,283.7	13.8	7.5	34.30	21.9	-1,485.1	908.3	890.8	17.44	52.075		
4,500.0	4,441.1	4,382.1	4,382.1	14.2	7.6	34.95	21.9	-1,485.1	893.3	875.3	17.94	49.803		
4,600.0	4,539.4	4,480.4	4,480.4	14.5	7.8	35.63	21.9	-1,485.1	878.4	859.9	18.44	47.642		
4,700.0	4,637.7	4,578.7	4,578.7	14.9	8.0	36.32	21.9	-1,485.1	863.6	844.7	18.95	45.584		
4,800.0	4,736.1	4,677.1	4,677.1	15.3	8.2	37.05	21.9	-1,485.1	849.0	829.5	19.46	43.623		
4,900.0	4,834.4	4,775.4	4,775.4	15.6	8.3	37.79	21.9	-1,485.1	834.5	814.5	19.99	41.754		
5,000.0	4,932.8	4,873.8	4,873.8	16.0	8.5	38.56	21.9	-1,485.1	820.1	799.6	20.52	39.971		
5,100.0	5,031.1	4,972.1	4,972.1	16.4	8.7	39.36	21.9	-1,485.1	805.9	784.9	21.06	38.270		
5,200.0	5,129.4	5,070.4	5,070.4	16.7	8.8	40.19	21.9	-1,485.1	791.9	770.3	21.61	36.647		
5,300.0	5,227.8	5,085.0	5,085.0	17.1	8.9	40.31	21.9	-1,485.1	782.5	760.6	21.92	35.697		
5,324.8	5,252.2	5,085.0	5,085.0	17.2	8.9	40.31	21.9	-1,485.1	782.1	760.1	21.99	35.570 CC, ES		
5,400.0	5,326.1	5,085.0	5,085.0	17.5	8.9	40.31	21.9	-1,485.1	785.7	763.5	22.19	35.406 SF		
5,500.0	5,424.5	5,085.0	5,085.0	17.8	8.9	40.31	21.9	-1,485.1	801.5	779.0	22.46	35.681		
5,600.0	5,522.8	5,085.0	5,085.0	18.2	8.9	40.31	21.9	-1,485.1	829.1	806.4	22.73	36.471		
5,700.0	5,621.2	5,085.0	5,085.0	18.6	8.9	40.31	21.9	-1,485.1	867.5	844.5	23.01	37.707		
5,800.0	5,719.5	5,085.0	5,085.0	18.9	8.9	40.31	21.9	-1,485.1	915.2	891.9	23.28	39.318		
5,900.0	5,817.8	5,085.0	5,085.0	19.3	8.9	40.31	21.9	-1,485.1	970.9	947.3	23.55	41.230		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - MEREDITH 1 - KPK WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 5120-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	1.38	92.9	2.2	100.0					
100.0	100.0	63.0	63.0	0.1	0.1	1.38	92.9	2.2	92.9	92.7	0.23	406.157		
200.0	200.0	163.0	163.0	0.3	0.3	1.38	92.9	2.2	92.9	92.4	0.58	160.830		
300.0	300.0	263.0	263.0	0.5	0.5	1.38	92.9	2.2	92.9	92.0	0.93	100.267		
400.0	400.0	363.0	363.0	0.6	0.6	1.38	92.9	2.2	92.9	91.7	1.28	72.838		
500.0	500.0	463.0	463.0	0.8	0.8	1.38	92.9	2.2	92.9	91.3	1.63	57.193		
600.0	600.0	563.0	563.0	1.0	1.0	1.38	92.9	2.2	92.9	91.0	1.97	47.080 CC, ES		
700.0	700.0	663.0	663.0	1.2	1.2	111.44	92.9	2.2	93.6	91.2	2.32	40.254		
800.0	799.8	762.8	762.8	1.4	1.3	114.32	92.9	2.2	95.6	92.9	2.68	35.652		
900.0	899.5	862.5	862.5	1.6	1.5	118.82	92.9	2.2	99.5	96.5	3.05	32.610		
1,000.0	998.7	961.7	961.7	1.8	1.7	124.46	92.9	2.2	106.0	102.5	3.44	30.838		
1,100.0	1,097.5	1,060.5	1,060.5	2.1	1.9	130.68	92.9	2.2	115.6	111.8	3.83	30.192 SF		
1,200.0	1,195.8	1,158.8	1,158.8	2.4	2.0	136.73	92.9	2.2	128.2	124.0	4.21	30.420		
1,300.0	1,294.2	1,257.2	1,257.2	2.7	2.2	141.72	92.9	2.2	142.0	137.4	4.59	30.952		
1,400.0	1,392.5	1,355.5	1,355.5	3.0	2.4	145.81	92.9	2.2	156.8	151.8	4.95	31.643		
1,500.0	1,490.8	1,453.8	1,453.8	3.4	2.5	149.19	92.9	2.2	172.1	166.8	5.31	32.409		
1,600.0	1,589.2	1,552.2	1,552.2	3.7	2.7	152.01	92.9	2.2	188.0	182.3	5.66	33.197		
1,700.0	1,687.5	1,650.5	1,650.5	4.1	2.9	154.39	92.9	2.2	204.3	198.2	6.01	33.979		
1,800.0	1,785.9	1,748.9	1,748.9	4.4	3.1	156.42	92.9	2.2	220.8	214.4	6.36	34.737		
1,900.0	1,884.2	1,847.2	1,847.2	4.8	3.2	158.17	92.9	2.2	237.6	230.9	6.70	35.462		
2,000.0	1,982.5	1,945.5	1,945.5	5.1	3.4	159.68	92.9	2.2	254.5	247.5	7.04	36.150		
2,100.0	2,080.9	2,043.9	2,043.9	5.5	3.6	161.01	92.9	2.2	271.7	264.3	7.38	36.799		
2,200.0	2,179.2	2,142.2	2,142.2	5.8	3.7	162.18	92.9	2.2	288.9	281.2	7.72	37.410		
2,300.0	2,277.6	2,240.6	2,240.6	6.2	3.9	163.22	92.9	2.2	306.3	298.2	8.06	37.983		
2,400.0	2,375.9	2,338.9	2,338.9	6.6	4.1	164.14	92.9	2.2	323.7	315.3	8.40	38.522		
2,500.0	2,474.3	2,437.3	2,437.3	6.9	4.3	164.97	92.9	2.2	341.2	332.5	8.74	39.027		
2,600.0	2,572.6	2,535.6	2,535.6	7.3	4.4	165.72	92.9	2.2	358.8	349.7	9.08	39.502		
2,700.0	2,670.9	2,633.9	2,633.9	7.6	4.6	166.41	92.9	2.2	376.4	367.0	9.42	39.948		
2,800.0	2,769.3	2,732.3	2,732.3	8.0	4.8	167.02	92.9	2.2	394.1	384.3	9.76	40.367		
2,900.0	2,867.6	2,830.6	2,830.6	8.4	4.9	167.59	92.9	2.2	411.8	401.7	10.10	40.762		
3,000.0	2,966.0	2,929.0	2,929.0	8.7	5.1	168.11	92.9	2.2	429.5	419.1	10.44	41.133		
3,100.0	3,064.3	3,027.3	3,027.3	9.1	5.3	168.59	92.9	2.2	447.3	436.5	10.78	41.484		
3,200.0	3,162.6	3,125.6	3,125.6	9.4	5.5	169.03	92.9	2.2	465.1	454.0	11.12	41.815		
3,300.0	3,261.0	3,224.0	3,224.0	9.8	5.6	169.44	92.9	2.2	482.9	471.5	11.46	42.128		
3,400.0	3,359.3	3,322.3	3,322.3	10.2	5.8	169.82	92.9	2.2	500.8	489.0	11.80	42.425		
3,500.0	3,457.7	3,420.7	3,420.7	10.5	6.0	170.17	92.9	2.2	518.7	506.5	12.15	42.706		
3,600.0	3,556.0	3,519.0	3,519.0	10.9	6.1	170.50	92.9	2.2	536.6	524.1	12.49	42.972		
3,700.0	3,654.3	3,617.3	3,617.3	11.3	6.3	170.81	92.9	2.2	554.5	541.7	12.83	43.225		
3,800.0	3,752.7	3,715.7	3,715.7	11.6	6.5	171.10	92.9	2.2	572.4	559.2	13.17	43.466		
3,900.0	3,851.0	3,814.0	3,814.0	12.0	6.7	171.38	92.9	2.2	590.3	576.8	13.51	43.695		
4,000.0	3,949.4	3,912.4	3,912.4	12.4	6.8	171.63	92.9	2.2	608.3	594.4	13.85	43.913		
4,100.0	4,047.7	4,010.7	4,010.7	12.7	7.0	171.87	92.9	2.2	626.2	612.1	14.19	44.121		
4,200.0	4,146.0	4,109.0	4,109.0	13.1	7.2	172.10	92.9	2.2	644.2	629.7	14.54	44.320		
4,300.0	4,244.4	4,207.4	4,207.4	13.4	7.3	172.32	92.9	2.2	662.2	647.3	14.88	44.510		
4,400.0	4,342.7	4,305.7	4,305.7	13.8	7.5	172.52	92.9	2.2	680.2	665.0	15.22	44.691		
4,500.0	4,441.1	4,404.1	4,404.1	14.2	7.7	172.72	92.9	2.2	698.2	682.6	15.56	44.865		
4,600.0	4,539.4	4,502.4	4,502.4	14.5	7.9	172.90	92.9	2.2	716.2	700.3	15.90	45.031		
4,700.0	4,637.7	4,600.7	4,600.7	14.9	8.0	173.07	92.9	2.2	734.2	718.0	16.25	45.191		
4,800.0	4,736.1	4,699.1	4,699.1	15.3	8.2	173.24	92.9	2.2	752.2	735.6	16.59	45.344		
4,900.0	4,834.4	4,797.4	4,797.4	15.6	8.4	173.40	92.9	2.2	770.2	753.3	16.93	45.491		
5,000.0	4,932.8	4,895.8	4,895.8	16.0	8.5	173.55	92.9	2.2	788.3	771.0	17.27	45.633		
5,100.0	5,031.1	4,994.1	4,994.1	16.4	8.7	173.70	92.9	2.2	806.3	788.7	17.62	45.769		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S26-T2N-R68W (Sullivan) - MEREDITH 1 - KPK WELL - NO SURVEYS													<b>Offset Site Error:</b> 0.0 ft
Survey Program: 5120-Geolink MWD													<b>Offset Well Error:</b> 0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,200.0	5,129.4	5,092.4	5,092.4	16.7	8.9	173.83	92.9	2.2	824.3	806.4	17.96	45.899	
5,300.0	5,227.8	5,120.0	5,120.0	17.1	8.9	173.87	92.9	2.2	845.3	827.2	18.18	46.488	
5,400.0	5,326.1	5,120.0	5,120.0	17.5	8.9	173.87	92.9	2.2	876.9	858.5	18.36	47.754	
5,500.0	5,424.5	5,120.0	5,120.0	17.8	8.9	173.87	92.9	2.2	918.3	899.7	18.54	49.527	
5,600.0	5,522.8	5,120.0	5,120.0	18.2	8.9	173.87	92.9	2.2	968.3	949.6	18.72	51.725	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 1 - ENCANA WELL - NO SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 8200-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		
8,700.0	7,630.0	7,592.0	7,592.0	29.8	13.3	90.00	1,442.6	-456.2	947.4	913.0	34.45	27.503		
8,800.0	7,630.0	7,592.0	7,592.0	30.7	13.3	90.00	1,442.6	-456.2	886.2	850.4	35.83	24.735		
8,900.0	7,630.0	7,592.0	7,592.0	31.8	13.3	90.00	1,442.6	-456.2	832.5	795.2	37.26	22.346		
9,000.0	7,630.0	7,592.0	7,592.0	32.9	13.3	90.00	1,442.6	-456.2	787.9	749.2	38.72	20.346		
9,100.0	7,630.0	7,592.0	7,592.0	34.1	13.3	90.00	1,442.6	-456.2	754.0	713.8	40.23	18.744		
9,200.0	7,630.0	7,592.0	7,592.0	35.3	13.3	90.00	1,442.6	-456.2	732.3	690.5	41.76	17.536		
9,300.0	7,630.0	7,592.0	7,592.0	36.6	13.3	90.00	1,442.6	-456.2	723.9	680.6	43.32	16.712		
9,311.3	7,630.0	7,592.0	7,592.0	36.7	13.3	90.00	1,442.6	-456.2	723.8	680.3	43.49	16.641	CC, ES	
9,400.0	7,630.0	7,592.0	7,592.0	37.9	13.3	90.00	1,442.6	-456.2	729.2	684.3	44.89	16.243		
9,500.0	7,630.0	7,592.0	7,592.0	39.2	13.3	90.00	1,442.6	-456.2	748.0	701.5	46.49	16.090	SF	
9,600.0	7,630.0	7,592.0	7,592.0	40.6	13.3	90.00	1,442.6	-456.2	779.2	731.1	48.10	16.201		
9,700.0	7,630.0	7,592.0	7,592.0	42.0	13.3	90.00	1,442.6	-456.2	821.6	771.8	49.72	16.523		
9,800.0	7,630.0	7,592.0	7,592.0	43.4	13.3	90.00	1,442.6	-456.2	873.3	822.0	51.36	17.005		
9,900.0	7,630.0	7,592.0	7,592.0	44.9	13.3	90.00	1,442.6	-456.2	933.0	880.0	53.00	17.603		
10,000.0	7,630.0	7,592.0	7,592.0	46.3	13.3	90.00	1,442.6	-456.2	999.1	944.4	54.65	18.280		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 33-26 - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8170-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
8,400.0	7,630.0	7,573.0	7,573.0	27.3	13.2	-90.00	1,401.5	-1,637.4	983.1	952.4	30.68	32.041		
8,500.0	7,630.0	7,573.0	7,573.0	28.0	13.2	-90.00	1,401.5	-1,637.4	895.8	864.0	31.84	28.131		
8,600.0	7,630.0	7,573.0	7,573.0	28.8	13.2	-90.00	1,401.5	-1,637.4	811.4	778.3	33.09	24.519		
8,700.0	7,630.0	7,573.0	7,573.0	29.8	13.2	-90.00	1,401.5	-1,637.4	731.0	696.6	34.41	21.242		
8,800.0	7,630.0	7,573.0	7,573.0	30.7	13.2	-90.00	1,401.5	-1,637.4	656.0	620.2	35.79	18.327		
8,900.0	7,630.0	7,573.0	7,573.0	31.8	13.2	-90.00	1,401.5	-1,637.4	588.5	551.2	37.22	15.810		
9,000.0	7,630.0	7,573.0	7,573.0	32.9	13.2	-90.00	1,401.5	-1,637.4	531.3	492.6	38.69	13.731		
9,100.0	7,630.0	7,573.0	7,573.0	34.1	13.2	-90.00	1,401.5	-1,637.4	488.1	447.9	40.19	12.143		
9,200.0	7,630.0	7,573.0	7,573.0	35.3	13.2	-90.00	1,401.5	-1,637.4	462.8	421.1	41.73	11.091		
9,270.2	7,630.0	7,573.0	7,573.0	36.2	13.2	-90.00	1,401.5	-1,637.4	457.4	414.6	42.82	10.683 CC, ES		
9,300.0	7,630.0	7,573.0	7,573.0	36.6	13.2	-90.00	1,401.5	-1,637.4	458.4	415.1	43.28	10.591 SF		
9,400.0	7,630.0	7,573.0	7,573.0	37.9	13.2	-90.00	1,401.5	-1,637.4	475.5	430.6	44.86	10.600		
9,500.0	7,630.0	7,573.0	7,573.0	39.2	13.2	-90.00	1,401.5	-1,637.4	511.9	465.5	46.45	11.020		
9,600.0	7,630.0	7,573.0	7,573.0	40.6	13.2	-90.00	1,401.5	-1,637.4	563.9	515.9	48.06	11.733		
9,700.0	7,630.0	7,573.0	7,573.0	42.0	13.2	-90.00	1,401.5	-1,637.4	627.7	578.0	49.69	12.632		
9,800.0	7,630.0	7,573.0	7,573.0	43.4	13.2	-90.00	1,401.5	-1,637.4	700.0	648.6	51.32	13.638		
9,900.0	7,630.0	7,573.0	7,573.0	44.9	13.2	-90.00	1,401.5	-1,637.4	778.4	725.4	52.97	14.696		
10,000.0	7,630.0	7,573.0	7,573.0	46.3	13.2	-90.00	1,401.5	-1,637.4	861.3	806.7	54.62	15.769		
10,100.0	7,630.0	7,573.0	7,573.0	47.8	13.2	-90.00	1,401.5	-1,637.4	947.5	891.2	56.28	16.835		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 34-26 - ENCANA WELL - SURVEYS												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	
5,800.0	5,719.5	5,665.8	5,658.7	18.9	10.3	29.98	-111.1	-1,826.3	996.1	973.0	23.11	43.099	
5,900.0	5,817.8	5,772.4	5,765.2	19.3	10.5	30.51	-111.8	-1,826.4	980.3	956.7	23.61	41.523	
6,000.0	5,916.2	5,868.2	5,861.0	19.6	10.7	31.03	-112.2	-1,825.9	964.1	940.0	24.09	40.019	
6,100.0	6,014.5	5,956.7	5,949.6	20.0	10.8	31.51	-112.6	-1,826.1	948.7	924.1	24.56	38.631	
6,200.0	6,112.9	6,051.3	6,044.2	20.4	11.0	32.03	-112.8	-1,827.3	934.3	909.3	25.05	37.303	
6,300.0	6,211.2	6,149.7	6,142.5	20.7	11.1	32.61	-113.0	-1,828.4	920.0	894.4	25.55	36.005	
6,400.0	6,309.5	6,245.1	6,237.9	21.1	11.3	33.23	-112.2	-1,829.5	906.0	879.9	26.06	34.766	
6,500.0	6,407.9	6,343.3	6,336.0	21.5	11.5	33.95	-110.5	-1,830.7	892.4	865.8	26.59	33.558	
6,600.0	6,506.2	6,443.8	6,436.6	21.8	11.6	34.73	-108.5	-1,831.7	878.8	851.6	27.14	32.373	
6,700.0	6,604.6	6,543.9	6,536.7	22.2	11.8	35.54	-106.5	-1,832.4	865.1	837.4	27.71	31.222	
6,800.0	6,702.9	6,644.6	6,637.3	22.6	11.9	36.40	-104.2	-1,832.8	851.3	823.1	28.28	30.099	
6,900.0	6,801.2	6,744.8	6,737.5	22.9	12.1	37.27	-102.2	-1,833.0	837.5	808.6	28.87	29.007	
7,000.0	6,899.6	6,842.5	6,835.2	23.3	12.3	38.12	-100.8	-1,833.2	823.7	794.3	29.46	27.964	
7,100.0	6,997.9	6,940.4	6,933.0	23.7	12.4	38.99	-99.4	-1,833.6	810.3	780.3	30.05	26.965	
7,200.0	7,096.3	7,038.2	7,030.8	24.0	12.6	2.56	-97.9	-1,833.9	795.7	765.5	30.26	26.298	
7,300.0	7,193.7	7,132.7	7,125.4	24.2	12.7	-34.90	-96.3	-1,834.5	776.1	746.4	29.68	26.150	
7,400.0	7,287.2	7,228.1	7,220.8	24.4	12.9	-52.65	-95.0	-1,835.4	751.9	723.2	28.62	26.271	
7,500.0	7,374.0	7,318.6	7,311.2	24.5	13.1	-64.64	-93.4	-1,835.7	724.7	697.2	27.50	26.350	
7,600.0	7,451.4	7,394.8	7,387.3	24.6	13.2	-74.37	-91.9	-1,835.9	698.6	671.8	26.82	26.053	
7,700.0	7,517.1	7,463.4	7,455.9	24.7	13.3	-82.72	-90.6	-1,836.3	678.0	651.3	26.69	25.401	
7,800.0	7,569.0	7,518.0	7,510.6	24.8	13.4	-88.93	-89.8	-1,836.4	667.7	640.8	26.91	24.816	
7,823.8	7,579.2	7,528.9	7,521.5	24.9	13.4	-90.02	-89.7	-1,836.4	667.3	640.3	27.02	24.701 CC, ES	
7,900.0	7,605.7	7,557.5	7,550.1	25.0	13.4	-92.37	-89.2	-1,836.4	672.0	644.8	27.22	24.690 SF	
8,000.0	7,625.9	7,580.3	7,572.9	25.3	13.5	-92.53	-88.8	-1,836.4	693.0	665.4	27.61	25.104	
8,100.0	7,630.0	7,586.4	7,579.0	25.6	13.5	-90.61	-88.7	-1,836.4	730.2	702.1	28.17	25.921	
8,200.0	7,630.0	7,588.3	7,580.8	26.1	13.5	-90.77	-88.7	-1,836.4	779.3	750.3	28.95	26.919	
8,300.0	7,630.0	7,590.2	7,582.7	26.6	13.5	-90.94	-88.6	-1,836.4	837.4	807.5	29.88	28.028	
8,400.0	7,630.0	7,592.1	7,584.7	27.3	13.5	-91.11	-88.6	-1,836.4	902.9	872.0	30.93	29.188	
8,500.0	7,630.0	7,594.0	7,586.6	28.0	13.5	-91.27	-88.6	-1,836.4	974.3	942.2	32.09	30.356	

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 44-26 - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8192-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	138.60	-14.9	13.1	40.3					
100.0	100.0	65.0	65.0	0.1	0.1	138.60	-14.9	13.1	19.9	19.6	0.23	85.564		
200.0	200.0	165.0	165.0	0.3	0.3	138.60	-14.9	13.1	19.9	19.3	0.58	34.192		
300.0	300.0	265.0	265.0	0.5	0.5	138.60	-14.9	13.1	19.9	18.9	0.93	21.365		
400.0	400.0	365.0	365.0	0.6	0.6	138.60	-14.9	13.1	19.9	18.6	1.28	15.536		
500.0	500.0	465.0	465.0	0.8	0.8	138.60	-14.9	13.1	19.9	18.3	1.63	12.206		
600.0	600.0	565.0	565.0	1.0	1.0	138.60	-14.9	13.1	19.9	17.9	1.98	10.052 CC, ES		
700.0	700.0	665.0	665.0	1.2	1.2	-116.81	-14.9	13.1	20.6	18.3	2.33	8.852		
800.0	799.8	764.8	764.8	1.4	1.3	-128.25	-14.9	13.1	23.4	20.8	2.68	8.740 SF		
900.0	899.5	864.5	864.5	1.6	1.5	-141.50	-14.9	13.1	29.6	26.6	3.04	9.766		
1,000.0	998.7	963.7	963.7	1.8	1.7	-152.34	-14.9	13.1	39.9	36.5	3.38	11.807		
1,100.0	1,097.5	1,062.5	1,062.5	2.1	1.9	-159.92	-14.9	13.1	54.3	50.6	3.72	14.598		
1,200.0	1,195.8	1,160.8	1,160.8	2.4	2.0	-164.86	-14.9	13.1	71.5	67.5	4.06	17.623		
1,300.0	1,294.2	1,259.2	1,259.2	2.7	2.2	-167.91	-14.9	13.1	89.2	84.8	4.40	20.259		
1,400.0	1,392.5	1,357.5	1,357.5	3.0	2.4	-169.94	-14.9	13.1	107.0	102.3	4.75	22.547		
1,500.0	1,490.8	1,455.8	1,455.8	3.4	2.5	-171.39	-14.9	13.1	124.9	119.8	5.09	24.543		
1,600.0	1,589.2	1,554.2	1,554.2	3.7	2.7	-172.48	-14.9	13.1	142.9	137.5	5.43	26.296		
1,700.0	1,687.5	1,652.5	1,652.5	4.1	2.9	-173.33	-14.9	13.1	160.9	155.1	5.78	27.847		
1,800.0	1,785.9	1,750.9	1,750.9	4.4	3.1	-174.00	-14.9	13.1	178.9	172.8	6.12	29.227		
1,900.0	1,884.2	1,849.2	1,849.2	4.8	3.2	-174.55	-14.9	13.1	197.0	190.5	6.47	30.463		
2,000.0	1,982.5	1,947.5	1,947.5	5.1	3.4	-175.01	-14.9	13.1	215.1	208.2	6.81	31.576		
2,100.0	2,080.9	2,045.9	2,045.9	5.5	3.6	-175.40	-14.9	13.1	233.1	226.0	7.15	32.583		
2,200.0	2,179.2	2,144.2	2,144.2	5.8	3.7	-175.73	-14.9	13.1	251.2	243.7	7.50	33.499		
2,300.0	2,277.6	2,242.6	2,242.6	6.2	3.9	-176.02	-14.9	13.1	269.3	261.5	7.84	34.334		
2,400.0	2,375.9	2,340.9	2,340.9	6.6	4.1	-176.27	-14.9	13.1	287.4	279.2	8.19	35.100		
2,500.0	2,474.3	2,439.3	2,439.3	6.9	4.3	-176.49	-14.9	13.1	305.5	297.0	8.53	35.805		
2,600.0	2,572.6	2,537.6	2,537.6	7.3	4.4	-176.69	-14.9	13.1	323.6	314.8	8.88	36.455		
2,700.0	2,670.9	2,635.9	2,635.9	7.6	4.6	-176.86	-14.9	13.1	341.8	332.5	9.22	37.057		
2,800.0	2,769.3	2,734.3	2,734.3	8.0	4.8	-177.02	-14.9	13.1	359.9	350.3	9.57	37.615		
2,900.0	2,867.6	2,832.6	2,832.6	8.4	4.9	-177.16	-14.9	13.1	378.0	368.1	9.91	38.135		
3,000.0	2,966.0	2,931.0	2,931.0	8.7	5.1	-177.29	-14.9	13.1	396.1	385.9	10.26	38.620		
3,100.0	3,064.3	3,029.3	3,029.3	9.1	5.3	-177.41	-14.9	13.1	414.2	403.6	10.60	39.074		
3,200.0	3,162.6	3,127.6	3,127.6	9.4	5.5	-177.52	-14.9	13.1	432.4	421.4	10.95	39.499		
3,300.0	3,261.0	3,226.0	3,226.0	9.8	5.6	-177.62	-14.9	13.1	450.5	439.2	11.29	39.899		
3,400.0	3,359.3	3,324.3	3,324.3	10.2	5.8	-177.71	-14.9	13.1	468.6	457.0	11.64	40.274		
3,500.0	3,457.7	3,422.7	3,422.7	10.5	6.0	-177.80	-14.9	13.1	486.7	474.8	11.98	40.628		
3,600.0	3,556.0	3,521.0	3,521.0	10.9	6.1	-177.88	-14.9	13.1	504.9	492.5	12.32	40.963		
3,700.0	3,654.3	3,619.3	3,619.3	11.3	6.3	-177.95	-14.9	13.1	523.0	510.3	12.67	41.279		
3,800.0	3,752.7	3,717.7	3,717.7	11.6	6.5	-178.02	-14.9	13.1	541.1	528.1	13.01	41.578		
3,900.0	3,851.0	3,816.0	3,816.0	12.0	6.7	-178.08	-14.9	13.1	559.3	545.9	13.36	41.862		
4,000.0	3,949.4	3,914.4	3,914.4	12.4	6.8	-178.14	-14.9	13.1	577.4	563.7	13.70	42.132		
4,100.0	4,047.7	4,012.7	4,012.7	12.7	7.0	-178.20	-14.9	13.1	595.5	581.5	14.05	42.389		
4,200.0	4,146.0	4,111.0	4,111.0	13.1	7.2	-178.25	-14.9	13.1	613.7	599.3	14.39	42.633		
4,300.0	4,244.4	4,209.4	4,209.4	13.4	7.3	-178.30	-14.9	13.1	631.8	617.1	14.74	42.866		
4,400.0	4,342.7	4,307.7	4,307.7	13.8	7.5	-178.35	-14.9	13.1	649.9	634.8	15.08	43.088		
4,500.0	4,441.1	4,406.1	4,406.1	14.2	7.7	-178.40	-14.9	13.1	668.1	652.6	15.43	43.300		
4,600.0	4,539.4	4,504.4	4,504.4	14.5	7.9	-178.44	-14.9	13.1	686.2	670.4	15.77	43.503		
4,700.0	4,637.7	4,602.7	4,602.7	14.9	8.0	-178.48	-14.9	13.1	704.3	688.2	16.12	43.698		
4,800.0	4,736.1	4,701.1	4,701.1	15.3	8.2	-178.52	-14.9	13.1	722.5	706.0	16.46	43.884		
4,900.0	4,834.4	4,799.4	4,799.4	15.6	8.4	-178.55	-14.9	13.1	740.6	723.8	16.81	44.062		
5,000.0	4,932.8	4,897.8	4,897.8	16.0	8.5	-178.59	-14.9	13.1	758.7	741.6	17.15	44.234		
5,100.0	5,031.1	4,996.1	4,996.1	16.4	8.7	-178.62	-14.9	13.1	776.9	759.4	17.50	44.398		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 44-26 - ENCANA WELL - NO SURVEYS											Offset Site Error:		0.0 ft	
Survey Program: 8192-Geolink MWD											Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
5,200.0	5,129.4	5,094.4	5,094.4	16.7	8.9	-178.65	-14.9	13.1	795.0	777.2	17.84	44.557		
5,300.0	5,227.8	5,192.8	5,192.8	17.1	9.1	-178.68	-14.9	13.1	813.1	795.0	18.19	44.709		
5,400.0	5,326.1	5,291.1	5,291.1	17.5	9.2	-178.71	-14.9	13.1	831.3	812.8	18.53	44.856		
5,500.0	5,424.5	5,389.5	5,389.5	17.8	9.4	-178.74	-14.9	13.1	849.4	830.5	18.88	44.997		
5,600.0	5,522.8	5,487.8	5,487.8	18.2	9.6	-178.77	-14.9	13.1	867.6	848.3	19.22	45.133		
5,700.0	5,621.2	5,586.2	5,586.2	18.6	9.7	-178.79	-14.9	13.1	885.7	866.1	19.57	45.264		
5,800.0	5,719.5	5,684.5	5,684.5	18.9	9.9	-178.81	-14.9	13.1	903.8	883.9	19.91	45.391		
5,900.0	5,817.8	5,782.8	5,782.8	19.3	10.1	-178.84	-14.9	13.1	922.0	901.7	20.26	45.514		
6,000.0	5,916.2	5,881.2	5,881.2	19.6	10.3	-178.86	-14.9	13.1	940.1	919.5	20.60	45.632		
6,100.0	6,014.5	5,979.5	5,979.5	20.0	10.4	-178.88	-14.9	13.1	958.2	937.3	20.95	45.747		
6,200.0	6,112.9	6,077.9	6,077.9	20.4	10.6	-178.90	-14.9	13.1	976.4	955.1	21.29	45.858		
6,300.0	6,211.2	6,176.2	6,176.2	20.7	10.8	-178.92	-14.9	13.1	994.5	972.9	21.64	45.965		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 4-6-26 - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 74-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		
8,000.0	7,625.9	7,648.5	7,576.0	25.3	18.7	-83.52	756.3	-1,927.6	974.9	942.1	32.77	29.753		
8,100.0	7,630.0	7,653.9	7,581.5	25.6	18.7	-89.49	756.3	-1,927.6	913.6	880.2	33.34	27.402		
8,200.0	7,630.0	7,655.4	7,582.9	26.1	18.7	-89.60	756.4	-1,927.6	860.0	825.9	34.12	25.207		
8,300.0	7,630.0	7,656.8	7,584.4	26.6	18.7	-89.71	756.4	-1,927.6	815.2	780.2	35.05	23.262		
8,400.0	7,630.0	7,658.2	7,585.8	27.3	18.7	-89.82	756.4	-1,927.6	780.7	744.6	36.10	21.626		
8,500.0	7,630.0	7,659.7	7,587.2	28.0	18.7	-89.93	756.4	-1,927.6	758.0	720.7	37.26	20.341		
8,600.0	7,630.0	7,661.1	7,588.7	28.8	18.7	-90.04	756.4	-1,927.6	748.0	709.5	38.51	19.423		
8,625.2	7,630.0	7,661.5	7,589.0	29.1	18.8	-90.07	756.4	-1,927.6	747.6	708.7	38.84	19.245 CC, ES		
8,700.0	7,630.0	7,662.6	7,590.1	29.8	18.8	-90.15	756.5	-1,927.6	751.3	711.5	39.83	18.862		
8,800.0	7,630.0	7,664.0	7,591.6	30.7	18.8	-90.27	756.5	-1,927.6	767.7	726.5	41.21	18.629 SF		
8,900.0	7,630.0	7,665.5	7,593.0	31.8	18.8	-90.38	756.5	-1,927.6	796.5	753.8	42.64	18.679		
9,000.0	7,630.0	7,666.9	7,594.5	32.9	18.8	-90.49	756.5	-1,927.6	836.3	792.1	44.11	18.958		
9,100.0	7,630.0	7,668.4	7,595.9	34.1	18.8	-90.60	756.5	-1,927.6	885.6	840.0	45.61	19.415		
9,200.0	7,630.0	7,669.8	7,597.4	35.3	18.8	-90.71	756.6	-1,927.6	943.0	895.8	47.15	20.002		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4A-26H-P268 - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.95	0.0	-40.0	40.0					
100.0	100.0	99.0	99.0	0.1	0.1	-89.95	0.0	-40.0	40.0	39.8	0.24	169.368		
200.0	200.0	199.0	199.0	0.3	0.3	-89.95	0.0	-40.0	40.0	39.4	0.58	68.415 CC, ES		
300.0	300.0	297.7	297.6	0.5	0.5	-90.59	-0.4	-41.6	41.6	40.7	0.93	44.564		
400.0	400.0	396.1	395.9	0.6	0.7	-92.26	-1.8	-46.4	46.6	45.3	1.30	35.965		
500.0	500.0	494.0	493.5	0.8	0.9	-94.37	-4.2	-54.5	54.9	53.2	1.68	32.702		
600.0	600.0	591.3	590.1	1.0	1.1	-96.42	-7.4	-65.6	66.6	64.5	2.10	31.790		
700.0	700.0	687.9	685.5	1.2	1.4	11.06	-11.5	-79.8	80.1	77.7	2.32	34.540		
800.0	799.8	784.1	780.1	1.4	1.8	10.03	-16.5	-97.0	93.4	90.8	2.66	35.090		
900.0	899.5	879.9	873.5	1.6	2.2	9.36	-22.3	-117.1	106.7	103.7	3.01	35.493		
1,000.0	998.7	975.3	965.8	1.8	2.7	8.92	-29.0	-140.1	119.8	116.5	3.35	35.781		
1,100.0	1,097.5	1,072.2	1,058.9	2.1	3.2	8.65	-36.5	-166.2	132.5	128.8	3.70	35.861		
1,200.0	1,195.8	1,171.6	1,154.2	2.4	3.7	8.57	-44.4	-193.4	143.3	139.2	4.05	35.351		
1,300.0	1,294.2	1,271.1	1,249.5	2.7	4.2	8.52	-52.3	-220.6	154.0	149.6	4.41	34.887		
1,400.0	1,392.5	1,370.5	1,344.8	3.0	4.7	8.47	-60.2	-247.9	164.7	159.9	4.77	34.491		
1,500.0	1,490.8	1,469.9	1,440.1	3.4	5.3	8.43	-68.1	-275.1	175.4	170.2	5.13	34.151		
1,600.0	1,589.2	1,569.3	1,535.4	3.7	5.8	8.40	-75.9	-302.3	186.0	180.5	5.50	33.854		
1,700.0	1,687.5	1,668.8	1,630.7	4.1	6.3	8.36	-83.8	-329.5	196.7	190.9	5.86	33.594		
1,800.0	1,785.9	1,768.2	1,726.0	4.4	6.9	8.34	-91.7	-356.7	207.4	201.2	6.22	33.364		
1,900.0	1,884.2	1,867.6	1,821.4	4.8	7.4	8.31	-99.6	-383.9	218.1	211.5	6.58	33.159		
2,000.0	1,982.5	1,967.1	1,916.7	5.1	7.9	8.29	-107.5	-411.1	228.8	221.9	6.94	32.975		
2,100.0	2,080.9	2,066.5	2,012.0	5.5	8.5	8.26	-115.3	-438.3	239.5	232.2	7.30	32.810		
2,200.0	2,179.2	2,165.9	2,107.3	5.8	9.0	8.24	-123.2	-465.5	250.2	242.5	7.66	32.660		
2,300.0	2,277.6	2,265.3	2,202.6	6.2	9.6	8.23	-131.1	-492.7	260.9	252.8	8.02	32.523		
2,400.0	2,375.9	2,364.8	2,297.9	6.6	10.1	8.21	-139.0	-519.9	271.6	263.2	8.38	32.398		
2,500.0	2,474.3	2,464.2	2,393.2	6.9	10.6	8.19	-146.9	-547.1	282.2	273.5	8.74	32.284		
2,600.0	2,572.6	2,563.6	2,488.5	7.3	11.2	8.18	-154.7	-574.4	292.9	283.8	9.10	32.179		
2,700.0	2,670.9	2,663.0	2,583.8	7.6	11.7	8.17	-162.6	-601.6	303.6	294.2	9.46	32.081		
2,800.0	2,769.3	2,762.5	2,679.1	8.0	12.3	8.15	-170.5	-628.8	314.3	304.5	9.82	31.991		
2,900.0	2,867.6	2,861.9	2,774.4	8.4	12.8	8.14	-178.4	-656.0	325.0	314.8	10.19	31.907		
3,000.0	2,966.0	2,961.3	2,869.7	8.7	13.3	8.13	-186.3	-683.2	335.7	325.1	10.55	31.829		
3,100.0	3,064.3	3,060.8	2,965.0	9.1	13.9	8.12	-194.1	-710.4	346.4	335.5	10.91	31.757		
3,200.0	3,162.6	3,160.2	3,060.3	9.4	14.4	8.11	-202.0	-737.6	357.1	345.8	11.27	31.688		
3,300.0	3,261.0	3,259.6	3,155.6	9.8	15.0	8.10	-209.9	-764.8	367.8	356.1	11.63	31.625		
3,400.0	3,359.3	3,359.0	3,251.0	10.2	15.5	8.09	-217.8	-792.0	378.4	366.5	11.99	31.564		
3,500.0	3,457.7	3,458.5	3,346.3	10.5	16.0	8.09	-225.7	-819.2	389.1	376.8	12.35	31.508		
3,600.0	3,556.0	3,557.9	3,441.6	10.9	16.6	8.08	-233.5	-846.4	399.8	387.1	12.71	31.455		
3,700.0	3,654.3	3,657.3	3,536.9	11.3	17.1	8.07	-241.4	-873.6	410.5	397.4	13.07	31.404		
3,800.0	3,752.7	3,756.7	3,632.2	11.6	17.7	8.06	-249.3	-900.8	421.2	407.8	13.43	31.357		
3,900.0	3,851.0	3,856.2	3,727.5	12.0	18.2	8.06	-257.2	-928.1	431.9	418.1	13.79	31.312		
4,000.0	3,949.4	3,955.6	3,822.8	12.4	18.7	8.05	-265.1	-955.3	442.6	428.4	14.15	31.269		
4,100.0	4,047.7	4,055.0	3,918.1	12.7	19.3	8.05	-273.0	-982.5	453.3	438.8	14.51	31.228		
4,200.0	4,146.0	4,154.4	4,013.4	13.1	19.8	8.04	-280.8	-1,009.7	464.0	449.1	14.88	31.189		
4,300.0	4,244.4	4,253.9	4,108.7	13.4	20.4	8.04	-288.7	-1,036.9	474.6	459.4	15.24	31.152		
4,400.0	4,342.7	4,353.3	4,204.0	13.8	20.9	8.03	-296.6	-1,064.1	485.3	469.7	15.60	31.117		
4,500.0	4,441.1	4,452.7	4,299.3	14.2	21.4	8.03	-304.5	-1,091.3	496.0	480.1	15.96	31.084		
4,600.0	4,539.4	4,552.2	4,394.6	14.5	22.0	8.02	-312.4	-1,118.5	506.7	490.4	16.32	31.052		
4,700.0	4,637.7	4,651.6	4,489.9	14.9	22.5	8.02	-320.2	-1,145.7	517.4	500.7	16.68	31.021		
4,800.0	4,736.1	4,751.0	4,585.2	15.3	23.1	8.01	-328.1	-1,172.9	528.1	511.1	17.04	30.992		
4,900.0	4,834.4	4,850.4	4,680.6	15.6	23.6	8.01	-336.0	-1,200.1	538.8	521.4	17.40	30.963		
5,000.0	4,932.8	4,949.9	4,775.9	16.0	24.1	8.00	-343.9	-1,227.3	549.5	531.7	17.76	30.936		
5,100.0	5,031.1	5,049.3	4,871.2	16.4	24.7	8.00	-351.8	-1,254.5	560.2	542.0	18.12	30.910		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4A-26H-P268 - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,129.4	5,148.7	4,966.5	16.7	25.2	8.00	-359.6	-1,281.8	570.9	552.4	18.48	30.886		
5,300.0	5,227.8	5,248.1	5,061.8	17.1	25.8	7.99	-367.5	-1,309.0	581.5	562.7	18.84	30.862		
5,400.0	5,326.1	5,347.6	5,157.1	17.5	26.3	7.99	-375.4	-1,336.2	592.2	573.0	19.20	30.839		
5,500.0	5,424.5	5,447.0	5,252.4	17.8	26.9	7.99	-383.3	-1,363.4	602.9	583.4	19.56	30.816		
5,600.0	5,522.8	5,546.4	5,347.7	18.2	27.4	7.98	-391.2	-1,390.6	613.6	593.7	19.93	30.795		
5,700.0	5,621.2	5,645.9	5,443.0	18.6	27.9	7.98	-399.0	-1,417.8	624.3	604.0	20.29	30.774		
5,800.0	5,719.5	5,745.3	5,538.3	18.9	28.5	7.98	-406.9	-1,445.0	635.0	614.3	20.65	30.754		
5,900.0	5,817.8	5,844.7	5,633.6	19.3	29.0	7.97	-414.8	-1,472.2	645.7	624.7	21.01	30.735		
6,000.0	5,916.2	5,944.1	5,728.9	19.6	29.6	7.97	-422.7	-1,499.4	656.4	635.0	21.37	30.717		
6,100.0	6,014.5	6,043.6	5,824.2	20.0	30.1	7.97	-430.6	-1,526.6	667.1	645.3	21.73	30.699		
6,200.0	6,112.9	6,143.0	5,919.5	20.4	30.6	7.97	-438.4	-1,553.8	677.7	655.7	22.09	30.681		
6,300.0	6,211.2	6,242.4	6,014.8	20.7	31.2	7.96	-446.3	-1,581.0	688.4	666.0	22.45	30.664		
6,400.0	6,309.5	6,341.8	6,110.2	21.1	31.7	7.96	-454.2	-1,608.3	699.1	676.3	22.81	30.648		
6,500.0	6,407.9	6,441.3	6,205.5	21.5	32.3	7.96	-462.1	-1,635.5	709.8	686.6	23.17	30.632		
6,600.0	6,506.2	6,540.7	6,300.8	21.8	32.8	7.96	-470.0	-1,662.7	720.5	697.0	23.53	30.617		
6,700.0	6,604.6	6,640.1	6,396.1	22.2	33.3	7.95	-477.8	-1,689.9	731.2	707.3	23.89	30.602		
6,800.0	6,702.9	6,739.6	6,491.4	22.6	33.9	7.95	-485.7	-1,717.1	741.9	717.6	24.25	30.588		
6,900.0	6,801.2	6,839.0	6,586.7	22.9	34.4	7.95	-493.6	-1,744.3	752.6	728.0	24.61	30.574		
7,000.0	6,899.6	6,938.4	6,682.0	23.3	35.0	7.95	-501.5	-1,771.5	763.3	738.3	24.98	30.560		
7,100.0	6,997.9	7,037.8	6,777.3	23.7	35.5	7.95	-509.4	-1,798.7	773.9	748.6	25.34	30.547		
7,200.0	7,096.3	7,137.0	6,872.4	24.0	36.0	-27.71	-517.2	-1,825.9	785.3	759.5	25.78	30.461		
7,300.0	7,193.7	7,263.1	6,993.5	24.2	36.7	-62.78	-518.8	-1,860.3	798.6	772.5	26.10	30.597		
7,400.0	7,287.2	7,405.2	7,126.7	24.4	37.2	-76.01	-488.4	-1,898.0	810.2	783.9	26.36	30.739		
7,500.0	7,374.0	7,550.5	7,251.2	24.5	37.6	-81.41	-423.1	-1,932.9	819.4	792.8	26.59	30.812		
7,600.0	7,451.4	7,695.3	7,355.8	24.6	37.8	-83.48	-327.9	-1,961.9	825.8	799.0	26.83	30.778		
7,700.0	7,517.1	7,836.1	7,432.5	24.7	38.0	-83.80	-212.1	-1,982.7	829.4	802.3	27.11	30.594		
7,800.0	7,569.0	7,970.1	7,478.3	24.8	38.1	-83.10	-87.0	-1,994.6	830.6	803.1	27.49	30.213		
7,900.0	7,605.7	8,096.2	7,494.8	25.0	38.2	-81.78	37.6	-1,998.2	829.8	801.7	28.05	29.582		
8,000.0	7,625.9	8,197.1	7,495.0	25.3	38.3	-80.84	138.6	-1,997.4	828.4	799.6	28.85	28.719		
8,100.0	7,630.0	8,296.9	7,495.0	25.6	38.5	-80.68	238.4	-1,996.5	827.5	797.5	30.01	27.578		
8,200.0	7,630.0	8,396.9	7,495.0	26.1	38.8	-80.67	338.4	-1,995.7	826.6	795.1	31.52	26.228		
8,300.0	7,630.0	8,496.9	7,495.0	26.6	39.1	-80.66	438.4	-1,994.8	825.8	792.5	33.32	24.781		
8,400.0	7,630.0	8,596.9	7,495.0	27.3	39.5	-80.65	538.4	-1,993.9	824.9	789.5	35.37	23.319		
8,500.0	7,630.0	8,696.9	7,495.0	28.0	40.0	-80.64	638.4	-1,993.1	824.1	786.4	37.63	21.897		
8,600.0	7,630.0	8,796.9	7,495.0	28.8	40.6	-80.63	738.3	-1,992.2	823.2	783.1	40.06	20.547		
8,700.0	7,630.0	8,896.9	7,495.0	29.8	41.2	-80.62	838.3	-1,991.3	822.3	779.7	42.64	19.286		
8,800.0	7,630.0	8,996.9	7,495.0	30.7	41.9	-80.61	938.3	-1,990.4	821.5	776.1	45.33	18.122		
8,900.0	7,630.0	9,093.7	7,495.0	31.8	42.6	-80.60	1,035.2	-1,989.7	820.7	772.7	48.07	17.072		
9,000.0	7,630.0	9,193.7	7,495.0	32.9	43.4	-80.60	1,135.2	-1,989.2	820.3	769.3	50.95	16.100		
9,100.0	7,630.0	9,293.7	7,495.0	34.1	44.3	-80.59	1,235.1	-1,988.7	819.8	765.9	53.89	15.213		
9,200.0	7,630.0	9,393.7	7,495.0	35.3	45.2	-80.59	1,335.1	-1,988.3	819.3	762.4	56.89	14.402		
9,300.0	7,630.0	9,493.7	7,495.0	36.6	46.1	-80.58	1,435.1	-1,987.8	818.8	758.9	59.94	13.662		
9,400.0	7,630.0	9,593.7	7,495.0	37.9	47.2	-80.58	1,535.1	-1,987.3	818.4	755.3	63.03	12.984		
9,500.0	7,630.0	9,693.7	7,495.0	39.2	48.2	-80.57	1,635.1	-1,986.8	817.9	751.7	66.16	12.363		
9,600.0	7,630.0	9,793.7	7,495.0	40.6	49.3	-80.56	1,735.1	-1,986.3	817.4	748.1	69.31	11.793		
9,700.0	7,630.0	9,893.7	7,495.0	42.0	50.5	-80.56	1,835.1	-1,985.9	816.9	744.4	72.50	11.268		
9,800.0	7,630.0	9,993.7	7,495.0	43.4	51.6	-80.55	1,935.1	-1,985.4	816.5	740.7	75.71	10.784		
9,900.0	7,630.0	10,093.7	7,495.0	44.9	52.8	-80.55	2,035.1	-1,984.9	816.0	737.0	78.94	10.336		
10,000.0	7,630.0	10,193.7	7,495.0	46.3	54.1	-80.54	2,135.1	-1,984.4	815.5	733.3	82.19	9.922		
10,100.0	7,630.0	10,293.7	7,495.0	47.8	55.3	-80.54	2,235.1	-1,983.9	815.0	729.6	85.46	9.537		
10,200.0	7,630.0	10,393.7	7,495.0	49.3	56.6	-80.53	2,335.1	-1,983.5	814.6	725.8	88.74	9.179		
10,300.0	7,630.0	10,493.7	7,495.0	50.8	57.9	-80.53	2,435.1	-1,983.0	814.1	722.1	92.03	8.845		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4A-26H-P268 - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,630.0	10,593.7	7,495.0	52.4	59.3	-80.52	2,535.1	-1,982.5	813.6	718.3	95.34	8.534		
10,500.0	7,630.0	10,693.7	7,495.0	53.9	60.6	-80.51	2,635.1	-1,982.0	813.1	714.5	98.66	8.242		
10,600.0	7,630.0	10,793.7	7,495.0	55.5	62.0	-80.51	2,735.1	-1,981.5	812.7	710.7	101.98	7.969		
10,700.0	7,630.0	10,893.7	7,495.0	57.1	63.4	-80.50	2,835.1	-1,981.1	812.2	706.9	105.32	7.712		
10,800.0	7,630.0	10,993.7	7,495.0	58.7	64.9	-80.50	2,935.1	-1,980.6	811.7	703.1	108.66	7.470		
10,900.0	7,630.0	11,093.7	7,495.0	60.2	66.3	-80.49	3,035.1	-1,980.1	811.2	699.2	112.01	7.243		
11,000.0	7,630.0	11,193.7	7,495.0	61.9	67.7	-80.49	3,135.1	-1,979.6	810.8	695.4	115.36	7.028		
11,100.0	7,630.0	11,293.7	7,495.0	63.5	69.2	-80.48	3,235.1	-1,979.1	810.3	691.6	118.72	6.825		
11,200.0	7,630.0	11,393.7	7,495.0	65.1	70.7	-80.48	3,335.1	-1,978.6	809.8	687.7	122.09	6.633		
11,300.0	7,630.0	11,493.7	7,495.0	66.7	72.2	-80.47	3,435.1	-1,978.2	809.3	683.9	125.46	6.451		
11,400.0	7,630.0	11,593.7	7,495.0	68.3	73.7	-80.46	3,535.1	-1,977.7	808.9	680.0	128.84	6.278		
11,500.0	7,630.0	11,693.7	7,495.0	70.0	75.2	-80.46	3,635.1	-1,977.2	808.4	676.2	132.22	6.114		
11,600.0	7,630.0	11,793.7	7,495.0	71.6	76.7	-80.45	3,735.1	-1,976.7	807.9	672.3	135.60	5.958		
11,700.0	7,630.0	11,893.7	7,495.0	73.3	78.3	-80.45	3,835.1	-1,976.2	807.5	668.5	138.99	5.810		
11,800.0	7,630.0	11,993.7	7,495.0	74.9	79.8	-80.44	3,935.1	-1,975.8	807.0	664.6	142.38	5.668		
11,900.0	7,630.0	12,093.7	7,495.0	76.6	81.4	-80.44	4,035.1	-1,975.3	806.5	660.7	145.77	5.533		
12,000.0	7,630.0	12,193.7	7,495.0	78.2	82.9	-80.43	4,135.1	-1,974.8	806.0	656.9	149.17	5.404		
12,100.0	7,630.0	12,293.7	7,495.0	79.9	84.5	-80.42	4,235.1	-1,974.3	805.6	653.0	152.57	5.280		
12,200.0	7,630.0	12,393.7	7,495.0	81.6	86.1	-80.42	4,335.1	-1,973.8	805.1	649.1	155.97	5.162		
12,300.0	7,630.0	12,493.7	7,495.0	83.2	87.6	-80.41	4,435.1	-1,973.4	804.6	645.2	159.37	5.049		
12,400.0	7,630.0	12,593.7	7,495.0	84.9	89.2	-80.41	4,535.1	-1,972.9	804.1	641.4	162.78	4.940		
12,500.0	7,630.0	12,693.7	7,495.0	86.6	90.8	-80.40	4,635.1	-1,972.4	803.7	637.5	166.18	4.836		
12,600.0	7,630.0	12,793.7	7,495.0	88.3	92.4	-80.40	4,735.1	-1,971.9	803.2	633.6	169.59	4.736		
12,700.0	7,630.0	12,893.7	7,495.0	90.0	94.0	-80.39	4,835.1	-1,971.4	802.7	629.7	173.01	4.640		
12,800.0	7,630.0	12,993.7	7,495.0	91.7	95.7	-80.38	4,935.1	-1,971.0	802.2	625.8	176.42	4.547		
12,900.0	7,630.0	13,093.7	7,495.0	93.3	97.3	-80.38	5,035.1	-1,970.5	801.8	621.9	179.83	4.458		
13,000.0	7,630.0	13,193.7	7,495.0	95.0	98.9	-80.37	5,135.1	-1,970.0	801.3	618.0	183.25	4.373		
13,100.0	7,630.0	13,293.6	7,495.0	96.7	100.5	-80.37	5,235.1	-1,969.5	800.8	614.1	186.67	4.290		
13,200.0	7,630.0	13,393.6	7,495.0	98.4	102.2	-80.36	5,335.1	-1,969.0	800.3	610.3	190.09	4.210		
13,300.0	7,630.0	13,493.6	7,495.0	100.1	103.8	-80.36	5,435.1	-1,968.6	799.9	606.4	193.51	4.134		
13,400.0	7,630.0	13,593.6	7,495.0	101.8	105.4	-80.35	5,535.0	-1,968.1	799.4	602.5	196.93	4.059		
13,500.0	7,630.0	13,693.6	7,495.0	103.5	107.1	-80.34	5,635.0	-1,967.6	798.9	598.6	200.35	3.988		
13,600.0	7,630.0	13,793.6	7,495.0	105.2	108.7	-80.34	5,735.0	-1,967.1	798.4	594.7	203.77	3.918		
13,622.8	7,630.0	13,816.5	7,495.0	105.6	109.1	-80.34	5,757.9	-1,967.0	798.4	594.2	204.21	3.910		
13,700.0	7,630.0	13,893.6	7,495.0	106.9	110.4	-80.34	5,835.0	-1,966.6	799.1	593.5	205.65	3.886		
13,800.0	7,630.0	13,993.5	7,495.0	108.6	112.0	-80.38	5,934.9	-1,966.1	803.1	596.2	206.96	3.881		
13,900.0	7,630.0	14,093.3	7,495.0	110.3	113.7	-80.44	6,034.7	-1,965.7	810.6	602.6	208.04	3.897		
14,000.0	7,630.0	14,180.5	7,495.0	112.0	115.1	-80.55	6,121.9	-1,966.0	821.5	610.9	210.57	3.901		
14,100.0	7,630.0	14,273.9	7,495.0	113.6	116.7	-80.68	6,215.3	-1,967.6	833.8	619.9	213.95	3.897		
14,200.0	7,630.0	14,373.1	7,495.0	115.3	118.4	-80.82	6,314.5	-1,969.3	846.2	628.8	217.43	3.892		
14,300.0	7,630.0	14,472.3	7,495.0	117.0	120.0	-80.95	6,413.7	-1,971.1	858.6	637.6	220.92	3.886		
14,400.0	7,630.0	14,571.5	7,495.0	118.7	121.7	-81.08	6,512.9	-1,972.8	870.9	646.5	224.40	3.881		
14,500.0	7,630.0	14,670.8	7,495.0	120.3	123.4	-81.21	6,612.1	-1,974.5	883.3	655.4	227.89	3.876		
14,600.0	7,630.0	14,770.0	7,495.0	122.0	125.0	-81.33	6,711.3	-1,976.2	895.7	664.4	231.37	3.871		
14,700.0	7,630.0	14,869.2	7,495.0	123.7	126.7	-81.45	6,810.5	-1,978.0	908.1	673.3	234.86	3.867		
14,795.6	7,630.0	14,964.0	7,495.0	125.3	128.3	-81.56	6,905.3	-1,979.6	920.0	681.8	238.19	3.862 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4B-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.95	0.0	-29.9	29.9					
100.0	100.0	100.0	100.0	0.1	0.1	-89.95	0.0	-29.9	29.9	29.7	0.24	126.096		
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-29.9	29.9	29.3	0.59	51.039		
300.0	300.0	300.0	300.0	0.5	0.5	-89.95	0.0	-29.9	29.9	29.0	0.94	31.995 CC, ES		
400.0	400.0	399.0	399.0	0.6	0.6	-90.93	-0.5	-31.6	31.6	30.3	1.28	24.579		
500.0	500.0	497.7	497.6	0.8	0.8	-93.33	-2.1	-36.4	36.5	34.9	1.64	22.240		
600.0	600.0	596.0	595.5	1.0	1.0	-96.14	-4.8	-44.4	44.9	42.9	2.02	22.208		
700.0	700.0	693.8	692.6	1.2	1.3	10.69	-8.5	-55.6	55.0	52.7	2.33	23.655		
800.0	799.8	791.3	788.9	1.4	1.6	9.19	-13.2	-69.8	65.1	62.4	2.67	24.365		
900.0	899.5	888.4	884.3	1.6	1.9	8.13	-18.9	-87.1	75.1	72.1	3.02	24.904		
1,000.0	998.7	985.2	978.7	1.8	2.3	7.36	-25.6	-107.3	85.0	81.7	3.36	25.317		
1,100.0	1,097.5	1,083.6	1,074.0	2.1	2.8	6.81	-33.3	-130.5	94.3	90.6	3.70	25.459		
1,200.0	1,195.8	1,183.3	1,170.6	2.4	3.2	6.51	-41.2	-154.2	101.4	97.4	4.06	24.990		
1,300.0	1,294.2	1,283.1	1,267.1	2.7	3.7	6.26	-49.0	-177.8	108.5	104.0	4.41	24.568		
1,400.0	1,392.5	1,382.8	1,363.7	3.0	4.2	6.03	-56.9	-201.5	115.5	110.7	4.77	24.211		
1,500.0	1,490.8	1,482.6	1,460.3	3.4	4.6	5.83	-64.7	-225.2	122.5	117.4	5.13	23.907		
1,600.0	1,589.2	1,582.3	1,556.9	3.7	5.1	5.66	-72.6	-248.9	129.6	124.1	5.48	23.643		
1,700.0	1,687.5	1,682.1	1,653.5	4.1	5.6	5.50	-80.4	-272.6	136.6	130.8	5.83	23.414		
1,800.0	1,785.9	1,781.8	1,750.0	4.4	6.1	5.36	-88.3	-296.3	143.7	137.5	6.19	23.212		
1,900.0	1,884.2	1,881.6	1,846.6	4.8	6.5	5.23	-96.2	-320.0	150.7	144.2	6.54	23.032		
2,000.0	1,982.5	1,981.3	1,943.2	5.1	7.0	5.11	-104.0	-343.7	157.7	150.8	6.90	22.872		
2,100.0	2,080.9	2,081.1	2,039.8	5.5	7.5	5.00	-111.9	-367.4	164.8	157.5	7.25	22.729		
2,200.0	2,179.2	2,180.8	2,136.3	5.8	8.0	4.90	-119.7	-391.1	171.8	164.2	7.60	22.599		
2,300.0	2,277.6	2,280.6	2,232.9	6.2	8.4	4.81	-127.6	-414.8	178.9	170.9	7.96	22.481		
2,400.0	2,375.9	2,380.3	2,329.5	6.6	8.9	4.73	-135.4	-438.5	185.9	177.6	8.31	22.374		
2,500.0	2,474.3	2,480.1	2,426.1	6.9	9.4	4.65	-143.3	-462.2	193.0	184.3	8.66	22.276		
2,600.0	2,572.6	2,579.8	2,522.7	7.3	9.9	4.58	-151.1	-485.9	200.0	191.0	9.02	22.186		
2,700.0	2,670.9	2,679.6	2,619.2	7.6	10.3	4.51	-159.0	-509.6	207.1	197.7	9.37	22.103		
2,800.0	2,769.3	2,779.3	2,715.8	8.0	10.8	4.45	-166.9	-533.2	214.1	204.4	9.72	22.026		
2,900.0	2,867.6	2,879.1	2,812.4	8.4	11.3	4.39	-174.7	-556.9	221.1	211.1	10.07	21.954		
3,000.0	2,966.0	2,978.8	2,909.0	8.7	11.8	4.33	-182.6	-580.6	228.2	217.8	10.43	21.888		
3,100.0	3,064.3	3,078.6	3,005.5	9.1	12.3	4.28	-190.4	-604.3	235.2	224.5	10.78	21.826		
3,200.0	3,162.6	3,178.3	3,102.1	9.4	12.7	4.23	-198.3	-628.0	242.3	231.2	11.13	21.768		
3,300.0	3,261.0	3,278.1	3,198.7	9.8	13.2	4.18	-206.1	-651.7	249.3	237.9	11.48	21.714		
3,400.0	3,359.3	3,377.8	3,295.3	10.2	13.7	4.14	-214.0	-675.4	256.4	244.5	11.83	21.663		
3,500.0	3,457.7	3,477.6	3,391.8	10.5	14.2	4.10	-221.8	-699.1	263.4	251.2	12.19	21.616		
3,600.0	3,556.0	3,577.3	3,488.4	10.9	14.7	4.06	-229.7	-722.8	270.5	257.9	12.54	21.571		
3,700.0	3,654.3	3,677.1	3,585.0	11.3	15.1	4.02	-237.6	-746.5	277.5	264.6	12.89	21.528		
3,800.0	3,752.7	3,776.9	3,681.6	11.6	15.6	3.99	-245.4	-770.2	284.6	271.3	13.24	21.488		
3,900.0	3,851.0	3,876.6	3,778.2	12.0	16.1	3.95	-253.3	-793.9	291.6	278.0	13.60	21.450		
4,000.0	3,949.4	3,976.4	3,874.7	12.4	16.6	3.92	-261.1	-817.6	298.7	284.7	13.95	21.414		
4,100.0	4,047.7	4,076.1	3,971.3	12.7	17.1	3.89	-269.0	-841.3	305.7	291.4	14.30	21.379		
4,200.0	4,146.0	4,175.9	4,067.9	13.1	17.5	3.86	-276.8	-865.0	312.8	298.1	14.65	21.347		
4,300.0	4,244.4	4,275.6	4,164.5	13.4	18.0	3.83	-284.7	-888.7	319.8	304.8	15.00	21.316		
4,400.0	4,342.7	4,375.4	4,261.0	13.8	18.5	3.81	-292.6	-912.3	326.9	311.5	15.36	21.286		
4,500.0	4,441.1	4,475.1	4,357.6	14.2	19.0	3.78	-300.4	-936.0	333.9	318.2	15.71	21.258		
4,600.0	4,539.4	4,574.9	4,454.2	14.5	19.5	3.76	-308.3	-959.7	341.0	324.9	16.06	21.231		
4,700.0	4,637.7	4,674.6	4,550.8	14.9	19.9	3.73	-316.1	-983.4	348.0	331.6	16.41	21.205		
4,800.0	4,736.1	4,774.4	4,647.4	15.3	20.4	3.71	-324.0	-1,007.1	355.1	338.3	16.76	21.181		
4,900.0	4,834.4	4,874.1	4,743.9	15.6	20.9	3.69	-331.8	-1,030.8	362.1	345.0	17.12	21.157		
5,000.0	4,932.8	4,973.9	4,840.5	16.0	21.4	3.67	-339.7	-1,054.5	369.2	351.7	17.47	21.134		
5,100.0	5,031.1	5,073.6	4,937.1	16.4	21.9	3.65	-347.5	-1,078.2	376.2	358.4	17.82	21.112		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4B-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,200.0	5,129.4	5,173.4	5,033.7	16.7	22.3	3.63	-355.4	-1,101.9	383.2	365.1	18.17	21.092		
5,300.0	5,227.8	5,273.1	5,130.2	17.1	22.8	3.61	-363.3	-1,125.6	390.3	371.8	18.52	21.071		
5,400.0	5,326.1	5,372.9	5,226.8	17.5	23.3	3.59	-371.1	-1,149.3	397.3	378.5	18.87	21.052		
5,500.0	5,424.5	5,472.6	5,323.4	17.8	23.8	3.57	-379.0	-1,173.0	404.4	385.2	19.23	21.034		
5,600.0	5,522.8	5,572.4	5,420.0	18.2	24.3	3.56	-386.8	-1,196.7	411.4	391.9	19.58	21.016		
5,700.0	5,621.2	5,672.1	5,516.6	18.6	24.7	3.54	-394.7	-1,220.4	418.5	398.6	19.93	20.998		
5,800.0	5,719.5	5,771.9	5,613.1	18.9	25.2	3.52	-402.5	-1,244.1	425.5	405.3	20.28	20.982		
5,900.0	5,817.8	5,871.6	5,709.7	19.3	25.7	3.51	-410.4	-1,267.8	432.6	412.0	20.63	20.966		
6,000.0	5,916.2	5,971.4	5,806.3	19.6	26.2	3.49	-418.2	-1,291.4	439.6	418.7	20.99	20.950		
6,100.0	6,014.5	6,071.1	5,902.9	20.0	26.7	3.48	-426.1	-1,315.1	446.7	425.4	21.34	20.935		
6,200.0	6,112.9	6,170.9	5,999.4	20.4	27.1	3.47	-434.0	-1,338.8	453.7	432.1	21.69	20.920		
6,300.0	6,211.2	6,270.6	6,096.0	20.7	27.6	3.45	-441.8	-1,362.5	460.8	438.7	22.04	20.906		
6,400.0	6,309.5	6,370.4	6,192.6	21.1	28.1	3.44	-449.7	-1,386.2	467.8	445.4	22.39	20.893		
6,500.0	6,407.9	6,470.1	6,289.2	21.5	28.6	3.43	-457.5	-1,409.9	474.9	452.1	22.74	20.880		
6,600.0	6,506.2	6,569.9	6,385.7	21.8	29.1	3.41	-465.4	-1,433.6	481.9	458.8	23.10	20.867		
6,700.0	6,604.6	6,669.6	6,482.3	22.2	29.5	3.40	-473.2	-1,457.3	489.0	465.5	23.45	20.854		
6,800.0	6,702.9	6,769.4	6,578.9	22.6	30.0	3.39	-481.1	-1,481.0	496.0	472.2	23.80	20.842		
6,900.0	6,801.2	6,869.1	6,675.5	22.9	30.5	3.38	-489.0	-1,504.7	503.1	478.9	24.15	20.831		
7,000.0	6,899.6	6,968.9	6,772.1	23.3	31.0	3.37	-496.8	-1,528.4	510.1	485.6	24.50	20.819		
7,100.0	6,997.9	7,068.6	6,868.6	23.7	31.5	3.36	-504.7	-1,552.1	517.2	492.3	24.85	20.808		
7,200.0	7,096.3	7,168.2	6,965.0	24.0	31.9	-32.65	-512.5	-1,575.7	525.2	500.0	25.20	20.839		
7,300.0	7,193.7	7,277.4	7,070.8	24.2	32.4	-68.75	-519.5	-1,601.7	537.5	512.1	25.44	21.128		
7,400.0	7,287.2	7,417.1	7,205.3	24.4	32.9	-83.66	-503.3	-1,634.7	550.0	524.3	25.69	21.410		
7,500.0	7,374.0	7,564.7	7,338.6	24.5	33.3	-90.44	-450.4	-1,667.4	559.8	533.8	25.97	21.552		
7,600.0	7,451.4	7,716.5	7,457.5	24.6	33.5	-93.49	-361.3	-1,696.6	566.1	539.8	26.32	21.513		
7,700.0	7,517.1	7,868.0	7,549.4	24.7	33.6	-94.27	-243.5	-1,719.1	568.5	541.8	26.75	21.255		
7,800.0	7,569.0	8,014.6	7,606.9	24.8	33.7	-93.51	-109.9	-1,733.2	567.4	540.1	27.32	20.770		
7,900.0	7,605.7	8,153.0	7,629.4	25.0	33.8	-91.67	26.2	-1,738.7	563.5	535.5	28.04	20.096		
8,000.0	7,625.9	8,258.2	7,630.0	25.3	34.0	-90.27	131.4	-1,738.9	559.6	530.8	28.82	19.416		
8,100.0	7,630.0	8,358.0	7,630.0	25.6	34.2	-90.00	231.3	-1,738.9	558.9	529.1	29.81	18.746		
8,200.0	7,630.0	8,458.0	7,630.0	26.1	34.5	-90.00	331.3	-1,738.9	558.9	527.5	31.35	17.826		
8,300.0	7,630.0	8,558.0	7,630.0	26.6	34.9	-90.00	431.3	-1,738.9	558.9	525.7	33.19	16.839		
8,400.0	7,630.0	8,658.0	7,630.0	27.3	35.4	-90.00	531.3	-1,738.9	558.9	523.6	35.28	15.840		
8,500.0	7,630.0	8,758.0	7,630.0	28.0	36.0	-90.00	631.3	-1,738.9	558.9	521.3	37.59	14.869		
8,600.0	7,630.0	8,858.0	7,630.0	28.8	36.6	-90.00	731.3	-1,738.9	558.9	518.8	40.06	13.949		
8,700.0	7,630.0	8,958.0	7,630.0	29.8	37.3	-90.00	831.3	-1,738.9	558.9	516.2	42.69	13.092		
8,800.0	7,630.0	9,058.0	7,630.0	30.7	38.1	-90.00	931.3	-1,738.9	558.9	513.4	45.43	12.301		
8,900.0	7,630.0	9,158.0	7,630.0	31.8	39.0	-90.00	1,031.3	-1,738.9	558.9	510.6	48.27	11.577		
9,000.0	7,630.0	9,258.0	7,630.0	32.9	39.9	-90.00	1,131.3	-1,738.9	558.9	507.7	51.20	10.916		
9,100.0	7,630.0	9,358.0	7,630.0	34.1	40.8	-90.00	1,231.3	-1,738.9	558.9	504.7	54.19	10.312		
9,200.0	7,630.0	9,458.0	7,630.0	35.3	41.8	-90.00	1,331.3	-1,738.9	558.9	501.6	57.25	9.762		
9,300.0	7,630.0	9,558.0	7,630.0	36.6	42.9	-90.00	1,431.3	-1,738.9	558.9	498.5	60.35	9.261		
9,400.0	7,630.0	9,658.0	7,630.0	37.9	44.0	-90.00	1,531.3	-1,738.9	558.9	495.4	63.49	8.802		
9,500.0	7,630.0	9,758.0	7,630.0	39.2	45.1	-90.00	1,631.3	-1,738.9	558.9	492.2	66.68	8.382		
9,600.0	7,630.0	9,858.0	7,630.0	40.6	46.3	-90.00	1,731.3	-1,738.9	558.9	489.0	69.89	7.997		
9,700.0	7,630.0	9,958.0	7,630.0	42.0	47.5	-90.00	1,831.3	-1,738.9	558.9	485.7	73.13	7.642		
9,800.0	7,630.0	10,058.0	7,630.0	43.4	48.8	-90.00	1,931.3	-1,738.9	558.9	482.5	76.39	7.316		
9,900.0	7,630.0	10,158.0	7,630.0	44.9	50.1	-90.00	2,031.3	-1,738.9	558.9	479.2	79.67	7.014		
10,000.0	7,630.0	10,258.0	7,630.0	46.3	51.4	-90.00	2,131.3	-1,738.9	558.9	475.9	82.98	6.735		
10,100.0	7,630.0	10,358.0	7,630.0	47.8	52.7	-90.00	2,231.3	-1,738.9	558.9	472.6	86.30	6.476		
10,200.0	7,630.0	10,458.0	7,630.0	49.3	54.1	-90.00	2,331.3	-1,738.9	558.9	469.2	89.63	6.235		
10,300.0	7,630.0	10,558.0	7,630.0	50.8	55.5	-90.00	2,431.3	-1,738.9	558.9	465.9	92.98	6.011		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4B-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,400.0	7,630.0	10,658.0	7,630.0	52.4	56.9	-90.00	2,531.3	-1,738.9	558.9	462.5	96.33	5.801		
10,500.0	7,630.0	10,758.0	7,630.0	53.9	58.3	-90.00	2,631.3	-1,738.9	558.9	459.2	99.70	5.605		
10,600.0	7,630.0	10,858.0	7,630.0	55.5	59.8	-90.00	2,731.3	-1,738.9	558.9	455.8	103.08	5.422		
10,700.0	7,630.0	10,958.0	7,630.0	57.1	61.2	-90.00	2,831.3	-1,738.9	558.9	452.4	106.46	5.249		
10,800.0	7,630.0	11,058.0	7,630.0	58.7	62.7	-90.00	2,931.3	-1,738.9	558.9	449.0	109.86	5.087		
10,900.0	7,630.0	11,158.0	7,630.0	60.2	64.2	-90.00	3,031.3	-1,738.9	558.9	445.6	113.26	4.934		
11,000.0	7,630.0	11,258.0	7,630.0	61.9	65.7	-90.00	3,131.3	-1,738.9	558.9	442.2	116.66	4.790		
11,100.0	7,630.0	11,358.0	7,630.0	63.5	67.2	-90.00	3,231.3	-1,738.9	558.9	438.8	120.08	4.654		
11,200.0	7,630.0	11,458.0	7,630.0	65.1	68.7	-90.00	3,331.3	-1,738.9	558.9	435.4	123.49	4.525		
11,300.0	7,630.0	11,558.0	7,630.0	66.7	70.3	-90.00	3,431.3	-1,738.9	558.9	431.9	126.92	4.403		
11,400.0	7,630.0	11,658.0	7,630.0	68.3	71.8	-90.00	3,531.3	-1,738.9	558.9	428.5	130.35	4.288		
11,500.0	7,630.0	11,758.0	7,630.0	70.0	73.4	-90.00	3,631.3	-1,738.9	558.9	425.1	133.78	4.178		
11,600.0	7,630.0	11,858.0	7,630.0	71.6	75.0	-90.00	3,731.3	-1,738.9	558.9	421.7	137.21	4.073		
11,700.0	7,630.0	11,958.0	7,630.0	73.3	76.5	-90.00	3,831.3	-1,738.9	558.9	418.2	140.65	3.973		
11,800.0	7,630.0	12,058.0	7,630.0	74.9	78.1	-90.00	3,931.3	-1,738.9	558.9	414.8	144.09	3.878		
11,900.0	7,630.0	12,158.0	7,630.0	76.6	79.7	-90.00	4,031.3	-1,738.9	558.9	411.3	147.54	3.788		
12,000.0	7,630.0	12,258.0	7,630.0	78.2	81.3	-90.00	4,131.3	-1,738.9	558.9	407.9	150.99	3.701		
12,100.0	7,630.0	12,358.0	7,630.0	79.9	82.9	-90.00	4,231.3	-1,738.9	558.9	404.4	154.44	3.619		
12,200.0	7,630.0	12,458.0	7,630.0	81.6	84.5	-90.00	4,331.3	-1,738.9	558.9	401.0	157.89	3.540		
12,300.0	7,630.0	12,558.0	7,630.0	83.2	86.1	-90.00	4,431.3	-1,738.9	558.9	397.5	161.35	3.464		
12,400.0	7,630.0	12,658.0	7,630.0	84.9	87.8	-90.00	4,531.3	-1,738.9	558.9	394.1	164.81	3.391		
12,500.0	7,630.0	12,758.0	7,630.0	86.6	89.4	-90.00	4,631.3	-1,738.9	558.9	390.6	168.27	3.321		
12,600.0	7,630.0	12,858.0	7,630.0	88.3	91.0	-90.00	4,731.3	-1,738.9	558.9	387.1	171.73	3.254		
12,700.0	7,630.0	12,958.0	7,630.0	90.0	92.7	-90.00	4,831.3	-1,738.9	558.9	383.7	175.19	3.190		
12,800.0	7,630.0	13,058.0	7,630.0	91.7	94.3	-90.00	4,931.3	-1,738.9	558.9	380.2	178.66	3.128		
12,900.0	7,630.0	13,158.0	7,630.0	93.3	95.9	-90.00	5,031.3	-1,738.9	558.9	376.7	182.13	3.069		
13,000.0	7,630.0	13,258.0	7,630.0	95.0	97.6	-90.00	5,131.3	-1,738.9	558.9	373.3	185.59	3.011		
13,100.0	7,630.0	13,358.0	7,630.0	96.7	99.2	-90.00	5,231.3	-1,738.9	558.9	369.8	189.06	2.956		
13,200.0	7,630.0	13,458.0	7,630.0	98.4	100.9	-90.00	5,331.3	-1,738.9	558.9	366.3	192.54	2.903		
13,300.0	7,630.0	13,558.0	7,630.0	100.1	102.5	-90.00	5,431.3	-1,738.9	558.9	362.9	196.01	2.851		
13,400.0	7,630.0	13,658.0	7,630.0	101.8	104.2	-90.00	5,531.3	-1,738.9	558.9	359.4	199.48	2.802		
13,500.0	7,630.0	13,758.0	7,630.0	103.5	105.9	-90.00	5,631.3	-1,738.9	558.9	355.9	202.96	2.754		
13,600.0	7,630.0	13,858.0	7,630.0	105.2	107.5	-90.00	5,731.3	-1,738.9	558.9	352.4	206.44	2.707		
13,700.0	7,630.0	13,958.0	7,630.0	106.9	109.2	-90.00	5,831.3	-1,738.9	560.0	351.6	208.43	2.687 SF		
13,800.0	7,630.0	14,057.9	7,630.0	108.6	110.9	-90.00	5,931.1	-1,738.9	564.6	354.7	209.86	2.690		
13,900.0	7,630.0	14,157.6	7,630.0	110.3	112.5	-90.00	6,030.8	-1,738.9	572.7	361.6	211.03	2.714		
14,000.0	7,630.0	14,257.0	7,630.0	112.0	114.2	-90.00	6,130.2	-1,738.9	583.3	369.5	213.78	2.729		
14,100.0	7,630.0	14,356.4	7,630.0	113.6	115.9	-90.00	6,229.7	-1,738.9	594.1	376.9	217.24	2.735		
14,200.0	7,630.0	14,455.8	7,630.0	115.3	117.6	-90.00	6,329.1	-1,738.9	604.9	384.2	220.70	2.741		
14,300.0	7,630.0	14,555.3	7,630.0	117.0	119.2	-90.00	6,428.5	-1,738.9	615.7	391.6	224.16	2.747		
14,400.0	7,630.0	14,654.7	7,630.0	118.7	120.9	-90.00	6,527.9	-1,738.9	626.5	398.9	227.62	2.752		
14,500.0	7,630.0	14,754.1	7,630.0	120.3	122.6	-90.00	6,627.3	-1,738.9	637.3	406.2	231.09	2.758		
14,600.0	7,630.0	14,853.5	7,630.0	122.0	124.3	-90.00	6,726.7	-1,738.9	648.1	413.6	234.55	2.763		
14,700.0	7,630.0	14,952.9	7,630.0	123.7	125.9	-90.00	6,826.1	-1,738.9	658.9	420.9	238.01	2.768		
14,795.6	7,630.0	15,048.0	7,630.0	125.3	127.6	-90.00	6,921.2	-1,738.9	669.3	427.9	241.33	2.773		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4C-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-89.95	0.0	-19.9	19.9					
100.0	100.0	100.0	100.0	0.1	0.1	-89.95	0.0	-19.9	19.9	19.6	0.24	83.671		
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-19.9	19.9	19.3	0.59	33.867		
300.0	300.0	300.0	300.0	0.5	0.5	-89.95	0.0	-19.9	19.9	18.9	0.94	21.230		
400.0	400.0	400.0	400.0	0.6	0.6	-89.95	0.0	-19.9	19.9	18.6	1.28	15.461 CC, ES		
500.0	500.0	499.3	499.3	0.8	0.8	-91.59	-0.6	-21.5	21.5	19.9	1.63	13.153		
600.0	600.0	598.4	598.2	1.0	1.0	-95.27	-2.4	-26.3	26.4	24.5	1.99	13.284		
700.0	700.0	697.2	696.6	1.2	1.2	10.51	-5.5	-34.3	33.1	30.8	2.33	14.228		
800.0	799.8	795.7	794.4	1.4	1.5	8.20	-9.7	-45.4	39.8	37.2	2.68	14.888		
900.0	899.5	894.0	891.6	1.6	1.8	6.43	-15.1	-59.6	46.5	43.5	3.02	15.398		
1,000.0	998.7	992.1	987.9	1.8	2.1	5.01	-21.7	-76.8	53.1	49.8	3.36	15.802		
1,100.0	1,097.5	1,090.2	1,083.6	2.1	2.5	3.81	-29.4	-97.2	59.7	56.0	3.70	16.117		
1,200.0	1,195.8	1,190.1	1,180.7	2.4	2.9	2.86	-37.7	-119.0	65.1	61.0	4.05	16.050		
1,300.0	1,294.2	1,289.9	1,277.8	2.7	3.3	2.06	-46.0	-140.8	70.3	65.9	4.40	15.972		
1,400.0	1,392.5	1,389.8	1,374.9	3.0	3.8	1.37	-54.3	-162.6	75.6	70.9	4.75	15.909		
1,500.0	1,490.8	1,489.7	1,471.9	3.4	4.2	0.77	-62.6	-184.4	81.0	75.9	5.11	15.858		
1,600.0	1,589.2	1,589.5	1,569.0	3.7	4.6	0.25	-70.9	-206.2	86.3	80.8	5.46	15.815		
1,700.0	1,687.5	1,689.4	1,666.1	4.1	5.1	-0.22	-79.2	-228.0	91.6	85.8	5.81	15.778		
1,800.0	1,785.9	1,789.2	1,763.2	4.4	5.5	-0.63	-87.5	-249.8	96.9	90.8	6.16	15.746		
1,900.0	1,884.2	1,889.1	1,860.3	4.8	6.0	-1.00	-95.8	-271.6	102.3	95.8	6.51	15.716		
2,000.0	1,982.5	1,988.9	1,957.4	5.1	6.4	-1.33	-104.1	-293.4	107.6	100.8	6.86	15.690		
2,100.0	2,080.9	2,088.8	2,054.5	5.5	6.8	-1.63	-112.4	-315.2	113.0	105.7	7.21	15.666		
2,200.0	2,179.2	2,188.6	2,151.6	5.8	7.3	-1.91	-120.7	-337.0	118.3	110.7	7.56	15.643		
2,300.0	2,277.6	2,288.5	2,248.7	6.2	7.7	-2.16	-129.0	-358.8	123.6	115.7	7.91	15.623		
2,400.0	2,375.9	2,388.4	2,345.8	6.6	8.2	-2.39	-137.3	-380.6	129.0	120.7	8.27	15.603		
2,500.0	2,474.3	2,488.2	2,442.9	6.9	8.6	-2.60	-145.6	-402.4	134.4	125.7	8.62	15.585		
2,600.0	2,572.6	2,588.1	2,540.0	7.3	9.1	-2.79	-153.9	-424.2	139.7	130.7	8.97	15.567		
2,700.0	2,670.9	2,687.9	2,637.0	7.6	9.5	-2.98	-162.2	-446.0	145.1	135.7	9.33	15.551		
2,800.0	2,769.3	2,787.8	2,734.1	8.0	10.0	-3.14	-170.5	-467.8	150.4	140.7	9.68	15.535		
2,900.0	2,867.6	2,887.6	2,831.2	8.4	10.4	-3.30	-178.8	-489.7	155.8	145.7	10.04	15.521		
3,000.0	2,966.0	2,987.5	2,928.3	8.7	10.9	-3.45	-187.1	-511.5	161.1	150.7	10.39	15.507		
3,100.0	3,064.3	3,087.3	3,025.4	9.1	11.3	-3.58	-195.4	-533.3	166.5	155.7	10.75	15.493		
3,200.0	3,162.6	3,187.2	3,122.5	9.4	11.8	-3.71	-203.7	-555.1	171.9	160.8	11.10	15.480		
3,300.0	3,261.0	3,287.0	3,219.6	9.8	12.2	-3.83	-212.0	-576.9	177.2	165.8	11.46	15.468		
3,400.0	3,359.3	3,386.9	3,316.7	10.2	12.7	-3.94	-220.3	-598.7	182.6	170.8	11.81	15.456		
3,500.0	3,457.7	3,486.8	3,413.8	10.5	13.1	-4.05	-228.6	-620.5	187.9	175.8	12.17	15.445		
3,600.0	3,556.0	3,586.6	3,510.9	10.9	13.6	-4.15	-236.9	-642.3	193.3	180.8	12.53	15.434		
3,700.0	3,654.3	3,686.5	3,608.0	11.3	14.0	-4.25	-245.2	-664.1	198.7	185.8	12.88	15.423		
3,800.0	3,752.7	3,786.3	3,705.1	11.6	14.5	-4.34	-253.5	-685.9	204.0	190.8	13.24	15.413		
3,900.0	3,851.0	3,886.2	3,802.1	12.0	14.9	-4.42	-261.8	-707.7	209.4	195.8	13.59	15.403		
4,000.0	3,949.4	3,986.0	3,899.2	12.4	15.4	-4.51	-270.1	-729.5	214.8	200.8	13.95	15.394		
4,100.0	4,047.7	4,085.9	3,996.3	12.7	15.8	-4.58	-278.4	-751.3	220.1	205.8	14.31	15.385		
4,200.0	4,146.0	4,185.7	4,093.4	13.1	16.3	-4.66	-286.7	-773.1	225.5	210.8	14.67	15.376		
4,300.0	4,244.4	4,285.6	4,190.5	13.4	16.7	-4.73	-295.0	-794.9	230.9	215.8	15.02	15.367		
4,400.0	4,342.7	4,385.5	4,287.6	13.8	17.2	-4.80	-303.3	-816.7	236.2	220.9	15.38	15.359		
4,500.0	4,441.1	4,485.3	4,384.7	14.2	17.6	-4.86	-311.6	-838.5	241.6	225.9	15.74	15.351		
4,600.0	4,539.4	4,585.2	4,481.8	14.5	18.1	-4.92	-319.8	-860.3	247.0	230.9	16.10	15.344		
4,700.0	4,637.7	4,685.0	4,578.9	14.9	18.5	-4.98	-328.1	-882.1	252.3	235.9	16.45	15.336		
4,800.0	4,736.1	4,784.9	4,676.0	15.3	19.0	-5.04	-336.4	-903.9	257.7	240.9	16.81	15.329		
4,900.0	4,834.4	4,884.7	4,773.1	15.6	19.4	-5.09	-344.7	-925.7	263.1	245.9	17.17	15.322		
5,000.0	4,932.8	4,984.6	4,870.2	16.0	19.9	-5.14	-353.0	-947.6	268.4	250.9	17.53	15.315		
5,100.0	5,031.1	5,084.4	4,967.2	16.4	20.3	-5.19	-361.3	-969.4	273.8	255.9	17.89	15.309		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4C-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
5,200.0	5,129.4	5,184.3	5,064.3	16.7	20.8	-5.24	-369.6	-991.2	279.2	260.9	18.24	15.302		
5,300.0	5,227.8	5,284.2	5,161.4	17.1	21.2	-5.29	-377.9	-1,013.0	284.6	266.0	18.60	15.296		
5,400.0	5,326.1	5,384.0	5,258.5	17.5	21.7	-5.33	-386.2	-1,034.8	289.9	271.0	18.96	15.290		
5,500.0	5,424.5	5,483.9	5,355.6	17.8	22.1	-5.37	-394.5	-1,056.6	295.3	276.0	19.32	15.284		
5,600.0	5,522.8	5,583.7	5,452.7	18.2	22.6	-5.41	-402.8	-1,078.4	300.7	281.0	19.68	15.279		
5,700.0	5,621.2	5,683.6	5,549.8	18.6	23.0	-5.45	-411.1	-1,100.2	306.0	286.0	20.04	15.273		
5,800.0	5,719.5	5,783.4	5,646.9	18.9	23.5	-5.49	-419.4	-1,122.0	311.4	291.0	20.40	15.268		
5,900.0	5,817.8	5,883.3	5,744.0	19.3	24.0	-5.53	-427.7	-1,143.8	316.8	296.0	20.76	15.263		
6,000.0	5,916.2	5,983.1	5,841.1	19.6	24.4	-5.57	-436.0	-1,165.6	322.1	301.0	21.11	15.258		
6,100.0	6,014.5	6,083.0	5,938.2	20.0	24.9	-5.60	-444.3	-1,187.4	327.5	306.0	21.47	15.253		
6,200.0	6,112.9	6,182.9	6,035.3	20.4	25.3	-5.63	-452.6	-1,209.2	332.9	311.1	21.83	15.248		
6,300.0	6,211.2	6,282.7	6,132.3	20.7	25.8	-5.67	-460.9	-1,231.0	338.3	316.1	22.19	15.243		
6,400.0	6,309.5	6,382.6	6,229.4	21.1	26.2	-5.70	-469.2	-1,252.8	343.6	321.1	22.55	15.239		
6,500.0	6,407.9	6,482.4	6,326.5	21.5	26.7	-5.73	-477.5	-1,274.6	349.0	326.1	22.91	15.234		
6,600.0	6,506.2	6,582.3	6,423.6	21.8	27.1	-5.76	-485.8	-1,296.4	354.4	331.1	23.27	15.230		
6,700.0	6,604.6	6,682.1	6,520.7	22.2	27.6	-5.79	-494.1	-1,318.2	359.7	336.1	23.63	15.226		
6,800.0	6,702.9	6,782.0	6,617.8	22.6	28.0	-5.82	-502.4	-1,340.0	365.1	341.1	23.99	15.221		
6,900.0	6,801.2	6,881.8	6,714.9	22.9	28.5	-5.84	-510.7	-1,361.8	370.5	346.1	24.35	15.217		
7,000.0	6,899.6	6,986.5	6,816.7	23.3	28.9	-5.83	-519.1	-1,384.7	375.8	351.1	24.71	15.206		
7,100.0	6,997.9	7,120.8	6,947.1	23.7	29.4	-3.12	-510.5	-1,414.0	375.3	350.3	24.91	15.066		
7,200.0	7,096.3	7,243.3	7,061.5	24.0	29.7	-33.89	-475.6	-1,439.7	369.3	344.0	25.23	14.635		
7,300.0	7,193.7	7,355.7	7,157.9	24.2	29.8	-63.34	-422.4	-1,461.3	364.9	338.9	26.01	14.029		
7,392.1	7,280.1	7,451.9	7,231.0	24.4	29.9	-70.88	-362.3	-1,477.8	363.5	336.6	26.99	13.469		
7,400.0	7,287.2	7,459.8	7,236.6	24.4	29.9	-71.13	-356.8	-1,479.0	363.6	336.5	27.08	13.425		
7,500.0	7,374.0	7,557.1	7,298.6	24.5	29.9	-71.65	-283.3	-1,492.9	365.4	337.4	28.05	13.030		
7,600.0	7,451.4	7,650.0	7,345.6	24.6	29.9	-69.48	-204.0	-1,503.5	370.3	341.8	28.54	12.974		
7,700.0	7,517.1	7,736.1	7,377.5	24.7	30.0	-66.45	-124.4	-1,510.6	377.6	349.2	28.37	13.308		
7,800.0	7,569.0	7,819.8	7,397.0	24.8	30.0	-63.06	-43.3	-1,515.0	386.4	358.8	27.66	13.972		
7,900.0	7,605.7	7,900.0	7,404.8	25.0	30.1	-59.76	36.5	-1,516.8	395.8	368.9	26.91	14.711		
8,000.0	7,625.9	7,994.9	7,405.0	25.3	30.3	-56.87	131.4	-1,516.8	403.4	376.6	26.77	15.070		
8,100.0	7,630.0	8,094.8	7,405.0	25.6	30.6	-56.26	231.3	-1,516.8	405.1	377.2	27.91	14.513		
8,200.0	7,630.0	8,194.8	7,405.0	26.1	30.9	-56.26	331.3	-1,516.8	405.1	375.9	29.16	13.890		
8,300.0	7,630.0	8,294.8	7,405.0	26.6	31.4	-56.26	431.3	-1,516.8	405.1	374.4	30.64	13.218		
8,400.0	7,630.0	8,394.8	7,405.0	27.3	31.9	-56.26	531.3	-1,516.8	405.1	372.7	32.32	12.532		
8,500.0	7,630.0	8,494.8	7,405.0	28.0	32.5	-56.26	631.3	-1,516.8	405.1	370.9	34.17	11.854		
8,600.0	7,630.0	8,594.8	7,405.0	28.8	33.2	-56.26	731.3	-1,516.8	405.1	368.9	36.16	11.202		
8,700.0	7,630.0	8,694.8	7,405.0	29.8	34.0	-56.26	831.3	-1,516.8	405.1	366.8	38.27	10.585		
8,800.0	7,630.0	8,794.8	7,405.0	30.7	34.9	-56.26	931.3	-1,516.8	405.1	364.6	40.48	10.006		
8,900.0	7,630.0	8,894.8	7,405.0	31.8	35.8	-56.26	1,031.3	-1,516.8	405.1	362.3	42.78	9.469		
9,000.0	7,630.0	8,994.8	7,405.0	32.9	36.8	-56.26	1,131.3	-1,516.8	405.1	359.9	45.15	8.972		
9,100.0	7,630.0	9,094.8	7,405.0	34.1	37.8	-56.26	1,231.3	-1,516.8	405.1	357.5	47.58	8.513		
9,200.0	7,630.0	9,194.8	7,405.0	35.3	38.9	-56.26	1,331.3	-1,516.8	405.1	355.0	50.06	8.091		
9,300.0	7,630.0	9,294.8	7,405.0	36.6	40.1	-56.26	1,431.3	-1,516.8	405.1	352.5	52.59	7.702		
9,400.0	7,630.0	9,394.8	7,405.0	37.9	41.2	-56.26	1,531.3	-1,516.8	405.1	349.9	55.16	7.343		
9,500.0	7,630.0	9,494.8	7,405.0	39.2	42.5	-56.26	1,631.3	-1,516.8	405.1	347.3	57.77	7.012		
9,600.0	7,630.0	9,594.8	7,405.0	40.6	43.7	-56.26	1,731.3	-1,516.8	405.1	344.7	60.40	6.706		
9,700.0	7,630.0	9,694.8	7,405.0	42.0	45.0	-56.26	1,831.3	-1,516.8	405.1	342.0	63.06	6.424		
9,800.0	7,630.0	9,794.8	7,405.0	43.4	46.4	-56.26	1,931.3	-1,516.8	405.1	339.3	65.74	6.162		
9,900.0	7,630.0	9,894.8	7,405.0	44.9	47.7	-56.26	2,031.3	-1,516.8	405.1	336.6	68.44	5.919		
10,000.0	7,630.0	9,994.8	7,405.0	46.3	49.1	-56.26	2,131.3	-1,516.8	405.1	333.9	71.16	5.692		
10,100.0	7,630.0	10,094.8	7,405.0	47.8	50.5	-56.26	2,231.3	-1,516.8	405.1	331.2	73.89	5.482		
10,200.0	7,630.0	10,194.8	7,405.0	49.3	51.9	-56.26	2,331.3	-1,516.8	405.1	328.4	76.64	5.285		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4C-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,300.0	7,630.0	10,294.8	7,405.0	50.8	53.4	-56.26	2,431.3	-1,516.8	405.1	325.7	79.40	5.101		
10,400.0	7,630.0	10,394.8	7,405.0	52.4	54.8	-56.26	2,531.3	-1,516.8	405.1	322.9	82.17	4.929		
10,500.0	7,630.0	10,494.8	7,405.0	53.9	56.3	-56.26	2,631.3	-1,516.8	405.1	320.1	84.96	4.768		
10,600.0	7,630.0	10,594.8	7,405.0	55.5	57.8	-56.26	2,731.3	-1,516.8	405.1	317.3	87.75	4.616		
10,700.0	7,630.0	10,694.8	7,405.0	57.1	59.3	-56.26	2,831.3	-1,516.8	405.1	314.5	90.55	4.473		
10,800.0	7,630.0	10,794.8	7,405.0	58.7	60.8	-56.26	2,931.3	-1,516.8	405.1	311.7	93.36	4.339		
10,900.0	7,630.0	10,894.8	7,405.0	60.2	62.4	-56.26	3,031.3	-1,516.8	405.1	308.9	96.17	4.212		
11,000.0	7,630.0	10,994.8	7,405.0	61.9	63.9	-56.26	3,131.3	-1,516.8	405.1	306.1	98.99	4.092		
11,100.0	7,630.0	11,094.8	7,405.0	63.5	65.5	-56.26	3,231.3	-1,516.8	405.1	303.2	101.82	3.978		
11,200.0	7,630.0	11,194.8	7,405.0	65.1	67.1	-56.26	3,331.3	-1,516.8	405.1	300.4	104.65	3.870		
11,300.0	7,630.0	11,294.8	7,405.0	66.7	68.6	-56.26	3,431.3	-1,516.8	405.1	297.6	107.49	3.768		
11,400.0	7,630.0	11,394.8	7,405.0	68.3	70.2	-56.26	3,531.3	-1,516.8	405.1	294.7	110.33	3.671		
11,500.0	7,630.0	11,494.8	7,405.0	70.0	71.8	-56.26	3,631.3	-1,516.8	405.1	291.9	113.18	3.579		
11,600.0	7,630.0	11,594.8	7,405.0	71.6	73.4	-56.26	3,731.3	-1,516.8	405.1	289.0	116.03	3.491		
11,700.0	7,630.0	11,694.8	7,405.0	73.3	75.0	-56.26	3,831.3	-1,516.8	405.1	286.2	118.88	3.407		
11,800.0	7,630.0	11,794.8	7,405.0	74.9	76.6	-56.26	3,931.3	-1,516.8	405.1	283.3	121.74	3.327		
11,900.0	7,630.0	11,894.8	7,405.0	76.6	78.3	-56.26	4,031.3	-1,516.8	405.1	280.5	124.60	3.251		
12,000.0	7,630.0	11,994.8	7,405.0	78.2	79.9	-56.26	4,131.3	-1,516.8	405.1	277.6	127.47	3.178		
12,100.0	7,630.0	12,094.8	7,405.0	79.9	81.5	-56.26	4,231.3	-1,516.8	405.1	274.7	130.33	3.108		
12,200.0	7,630.0	12,194.8	7,405.0	81.6	83.1	-56.26	4,331.3	-1,516.8	405.1	271.9	133.20	3.041		
12,300.0	7,630.0	12,294.8	7,405.0	83.2	84.8	-56.26	4,431.3	-1,516.8	405.1	269.0	136.07	2.977		
12,400.0	7,630.0	12,394.8	7,405.0	84.9	86.4	-56.26	4,531.3	-1,516.8	405.1	266.1	138.95	2.915		
12,500.0	7,630.0	12,494.8	7,405.0	86.6	88.1	-56.26	4,631.3	-1,516.8	405.1	263.2	141.82	2.856		
12,600.0	7,630.0	12,594.8	7,405.0	88.3	89.7	-56.26	4,731.3	-1,516.8	405.1	260.4	144.70	2.799		
12,700.0	7,630.0	12,694.8	7,405.0	90.0	91.4	-56.26	4,831.3	-1,516.8	405.1	257.5	147.58	2.745		
12,800.0	7,630.0	12,794.8	7,405.0	91.7	93.1	-56.26	4,931.3	-1,516.8	405.1	254.6	150.46	2.692		
12,900.0	7,630.0	12,894.8	7,405.0	93.3	94.7	-56.26	5,031.3	-1,516.8	405.1	251.7	153.34	2.642		
13,000.0	7,630.0	12,994.8	7,405.0	95.0	96.4	-56.26	5,131.3	-1,516.8	405.1	248.8	156.23	2.593		
13,100.0	7,630.0	13,094.8	7,405.0	96.7	98.1	-56.26	5,231.3	-1,516.8	405.1	245.9	159.11	2.546		
13,200.0	7,630.0	13,194.8	7,405.0	98.4	99.7	-56.26	5,331.3	-1,516.8	405.1	243.1	162.00	2.500		
13,300.0	7,630.0	13,294.8	7,405.0	100.1	101.4	-56.26	5,431.3	-1,516.8	405.1	240.2	164.89	2.457		
13,400.0	7,630.0	13,394.8	7,405.0	101.8	103.1	-56.26	5,531.3	-1,516.8	405.1	237.3	167.78	2.414		
13,500.0	7,630.0	13,494.8	7,405.0	103.5	104.8	-56.26	5,631.3	-1,516.8	405.1	234.4	170.67	2.373		
13,600.0	7,630.0	13,594.8	7,405.0	105.2	106.5	-56.26	5,731.3	-1,516.8	405.1	231.5	173.56	2.334		
13,600.0	7,630.0	13,594.8	7,405.0	105.2	106.5	-56.26	5,731.3	-1,516.8	405.1	231.5	173.56	2.334		
13,700.0	7,630.0	13,694.8	7,405.0	106.9	108.1	-56.34	5,831.2	-1,516.8	406.0	230.5	175.50	2.314		
13,800.0	7,630.0	13,794.6	7,405.0	108.6	109.8	-56.65	5,931.1	-1,516.8	409.8	232.4	177.44	2.310		
13,900.0	7,630.0	13,894.3	7,405.0	110.3	111.5	-57.18	6,030.8	-1,516.8	416.6	237.0	179.59	2.320		
14,000.0	7,630.0	13,993.7	7,405.0	112.0	113.2	-57.93	6,130.2	-1,516.8	425.6	242.2	183.36	2.321		
14,100.0	7,630.0	14,093.2	7,405.0	113.6	114.9	-58.69	6,229.7	-1,516.8	434.8	247.1	187.71	2.316		
14,200.0	7,630.0	14,192.6	7,405.0	115.3	116.6	-59.41	6,329.1	-1,516.8	444.1	252.1	192.02	2.313		
14,300.0	7,630.0	14,292.0	7,405.0	117.0	118.3	-60.11	6,428.5	-1,516.8	453.4	257.1	196.30	2.310		
14,400.0	7,630.0	14,391.4	7,405.0	118.7	119.9	-60.77	6,527.9	-1,516.8	462.9	262.3	200.53	2.308		
14,500.0	7,630.0	14,490.8	7,405.0	120.3	121.6	-61.41	6,627.3	-1,516.8	472.3	267.6	204.74	2.307		
14,600.0	7,630.0	14,590.2	7,405.0	122.0	123.3	-62.02	6,726.7	-1,516.8	481.8	272.9	208.91	2.306 SF		
14,700.0	7,630.0	14,689.6	7,405.0	123.7	125.0	-62.61	6,826.1	-1,516.8	491.4	278.4	213.05	2.307		
14,795.6	7,630.0	14,784.5	7,405.0	125.3	126.6	-63.16	6,921.0	-1,516.8	500.6	283.6	216.98	2.307		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4D-26H-P268 - 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		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-89.95	0.0	-10.1	10.1					
100.0	100.0	100.0	100.0	0.1	0.1	-89.95	0.0	-10.1	10.1	9.8	0.24	42.425		
200.0	200.0	200.0	200.0	0.3	0.3	-89.95	0.0	-10.1	10.1	9.5	0.59	17.172		
300.0	300.0	300.0	300.0	0.5	0.5	-89.95	0.0	-10.1	10.1	9.1	0.94	10.765		
400.0	400.0	400.0	400.0	0.6	0.6	-89.95	0.0	-10.1	10.1	8.8	1.28	7.839		
500.0	500.0	500.0	500.0	0.8	0.8	-89.95	0.0	-10.1	10.1	8.4	1.63	6.164 CC, ES		
600.0	600.0	599.6	599.6	1.0	1.0	-93.03	-0.6	-11.7	11.7	9.7	1.98	5.903		
700.0	700.0	699.1	699.0	1.2	1.2	11.68	-2.5	-16.5	15.0	12.7	2.33	6.449		
800.0	799.8	798.5	798.0	1.4	1.4	8.52	-5.6	-24.6	18.4	15.7	2.68	6.858		
900.0	899.5	897.8	896.5	1.6	1.6	6.02	-10.0	-35.8	21.7	18.7	3.02	7.178		
1,000.0	998.7	996.9	994.4	1.8	1.9	3.90	-15.5	-50.1	25.0	21.7	3.36	7.436		
1,100.0	1,097.5	1,095.9	1,091.6	2.1	2.3	2.03	-22.3	-67.6	28.3	24.6	3.70	7.648		
1,200.0	1,195.8	1,195.1	1,188.3	2.4	2.6	0.32	-30.3	-88.2	32.5	28.5	4.05	8.032		
1,300.0	1,294.2	1,295.0	1,285.5	2.7	3.0	-1.03	-38.6	-109.7	37.6	33.2	4.40	8.536		
1,400.0	1,392.5	1,394.8	1,382.7	3.0	3.5	-2.06	-47.0	-131.2	42.6	37.9	4.76	8.967		
1,500.0	1,490.8	1,494.7	1,479.8	3.4	3.9	-2.88	-55.3	-152.7	47.7	42.6	5.11	9.339		
1,600.0	1,589.2	1,594.6	1,577.0	3.7	4.3	-3.53	-63.7	-174.2	52.8	47.3	5.46	9.662		
1,700.0	1,687.5	1,694.4	1,674.2	4.1	4.7	-4.08	-72.0	-195.7	57.9	52.1	5.82	9.945		
1,800.0	1,785.9	1,794.3	1,771.3	4.4	5.2	-4.53	-80.3	-217.2	63.0	56.8	6.18	10.194		
1,900.0	1,884.2	1,894.2	1,868.5	4.8	5.6	-4.92	-88.7	-238.7	68.1	61.5	6.53	10.416		
2,000.0	1,982.5	1,994.0	1,965.7	5.1	6.0	-5.25	-97.0	-260.2	73.1	66.3	6.89	10.613		
2,100.0	2,080.9	2,093.9	2,062.9	5.5	6.5	-5.54	-105.4	-281.6	78.2	71.0	7.25	10.791		
2,200.0	2,179.2	2,193.8	2,160.0	5.8	6.9	-5.79	-113.7	-303.1	83.3	75.7	7.61	10.951		
2,300.0	2,277.6	2,293.6	2,257.2	6.2	7.4	-6.01	-122.0	-324.6	88.4	80.5	7.97	11.095		
2,400.0	2,375.9	2,393.5	2,354.4	6.6	7.8	-6.21	-130.4	-346.1	93.5	85.2	8.33	11.227		
2,500.0	2,474.3	2,493.4	2,451.5	6.9	8.2	-6.39	-138.7	-367.6	98.6	89.9	8.69	11.348		
2,600.0	2,572.6	2,593.3	2,548.7	7.3	8.7	-6.56	-147.1	-389.1	103.7	94.7	9.05	11.458		
2,700.0	2,670.9	2,693.1	2,645.9	7.6	9.1	-6.70	-155.4	-410.6	108.8	99.4	9.42	11.559		
2,800.0	2,769.3	2,793.0	2,743.1	8.0	9.6	-6.84	-163.7	-432.1	113.9	104.2	9.78	11.653		
2,900.0	2,867.6	2,892.9	2,840.2	8.4	10.0	-6.96	-172.1	-453.6	119.1	108.9	10.14	11.740		
3,000.0	2,966.0	2,992.7	2,937.4	8.7	10.5	-7.07	-180.4	-475.1	124.2	113.7	10.50	11.820		
3,100.0	3,064.3	3,092.6	3,034.6	9.1	10.9	-7.17	-188.8	-496.6	129.3	118.4	10.87	11.895		
3,200.0	3,162.6	3,192.5	3,131.7	9.4	11.3	-7.27	-197.1	-518.1	134.4	123.1	11.23	11.965		
3,300.0	3,261.0	3,292.3	3,228.9	9.8	11.8	-7.36	-205.4	-539.6	139.5	127.9	11.59	12.030		
3,400.0	3,359.3	3,392.2	3,326.1	10.2	12.2	-7.44	-213.8	-561.1	144.6	132.6	11.96	12.091		
3,500.0	3,457.7	3,492.1	3,423.3	10.5	12.7	-7.51	-222.1	-582.6	149.7	137.4	12.32	12.148		
3,600.0	3,556.0	3,591.9	3,520.4	10.9	13.1	-7.59	-230.5	-604.1	154.8	142.1	12.69	12.202		
3,700.0	3,654.3	3,691.8	3,617.6	11.3	13.6	-7.65	-238.8	-625.6	159.9	146.9	13.05	12.253		
3,800.0	3,752.7	3,791.7	3,714.8	11.6	14.0	-7.71	-247.1	-647.1	165.0	151.6	13.41	12.301		
3,900.0	3,851.0	3,891.6	3,811.9	12.0	14.5	-7.77	-255.5	-668.6	170.1	156.3	13.78	12.346		
4,000.0	3,949.4	3,991.4	3,909.1	12.4	14.9	-7.83	-263.8	-690.1	175.2	161.1	14.14	12.389		
4,100.0	4,047.7	4,091.3	4,006.3	12.7	15.3	-7.88	-272.2	-711.6	180.3	165.8	14.51	12.430		
4,200.0	4,146.0	4,191.2	4,103.4	13.1	15.8	-7.93	-280.5	-733.1	185.4	170.6	14.87	12.468		
4,300.0	4,244.4	4,291.0	4,200.6	13.4	16.2	-7.98	-288.8	-754.6	190.5	175.3	15.24	12.505		
4,400.0	4,342.7	4,390.9	4,297.8	13.8	16.7	-8.02	-297.2	-776.1	195.7	180.1	15.60	12.540		
4,500.0	4,441.1	4,490.8	4,395.0	14.2	17.1	-8.06	-305.5	-797.6	200.8	184.8	15.97	12.573		
4,600.0	4,539.4	4,590.6	4,492.1	14.5	17.6	-8.10	-313.9	-819.1	205.9	189.5	16.33	12.605		
4,700.0	4,637.7	4,690.5	4,589.3	14.9	18.0	-8.14	-322.2	-840.6	211.0	194.3	16.70	12.635		
4,800.0	4,736.1	4,790.4	4,686.5	15.3	18.5	-8.18	-330.5	-862.1	216.1	199.0	17.06	12.664		
4,900.0	4,834.4	4,890.3	4,783.6	15.6	18.9	-8.21	-338.9	-883.5	221.2	203.8	17.43	12.692		
5,000.0	4,932.8	4,990.1	4,880.8	16.0	19.4	-8.25	-347.2	-905.0	226.3	208.5	17.79	12.718		
5,100.0	5,031.1	5,090.0	4,978.0	16.4	19.8	-8.28	-355.6	-926.5	231.4	213.3	18.16	12.743		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4D-26H-P268 - 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		
5,200.0	5,129.4	5,189.9	5,075.2	16.7	20.3	-8.31	-363.9	-948.0	236.5	218.0	18.52	12.768		
5,300.0	5,227.8	5,289.7	5,172.3	17.1	20.7	-8.34	-372.2	-969.5	241.6	222.7	18.89	12.791		
5,400.0	5,326.1	5,389.6	5,269.5	17.5	21.1	-8.36	-380.6	-991.0	246.7	227.5	19.26	12.814		
5,500.0	5,424.5	5,489.5	5,366.7	17.8	21.6	-8.39	-388.9	-1,012.5	251.8	232.2	19.62	12.835		
5,600.0	5,522.8	5,589.3	5,463.8	18.2	22.0	-8.42	-397.3	-1,034.0	257.0	237.0	19.99	12.856		
5,700.0	5,621.2	5,689.2	5,561.0	18.6	22.5	-8.44	-405.6	-1,055.5	262.1	241.7	20.35	12.876		
5,800.0	5,719.5	5,789.1	5,658.2	18.9	22.9	-8.47	-413.9	-1,077.0	267.2	246.5	20.72	12.895		
5,900.0	5,817.8	5,888.9	5,755.4	19.3	23.4	-8.49	-422.3	-1,098.5	272.3	251.2	21.08	12.914		
6,000.0	5,916.2	5,988.8	5,852.5	19.6	23.8	-8.51	-430.6	-1,120.0	277.4	255.9	21.45	12.932		
6,100.0	6,014.5	6,088.7	5,949.7	20.0	24.3	-8.53	-439.0	-1,141.5	282.5	260.7	21.82	12.949		
6,200.0	6,112.9	6,188.6	6,046.9	20.4	24.7	-8.55	-447.3	-1,163.0	287.6	265.4	22.18	12.966		
6,300.0	6,211.2	6,288.4	6,144.0	20.7	25.2	-8.57	-455.6	-1,184.5	292.7	270.2	22.55	12.982		
6,400.0	6,309.5	6,388.3	6,241.2	21.1	25.6	-8.59	-464.0	-1,206.0	297.8	274.9	22.91	12.998		
6,500.0	6,407.9	6,488.2	6,338.4	21.5	26.1	-8.61	-472.3	-1,227.5	302.9	279.7	23.28	13.013		
6,600.0	6,506.2	6,588.0	6,435.6	21.8	26.5	-8.63	-480.7	-1,249.0	308.0	284.4	23.65	13.027		
6,700.0	6,604.6	6,687.9	6,532.7	22.2	26.9	-8.64	-489.0	-1,270.5	313.2	289.1	24.01	13.041		
6,800.0	6,702.9	6,787.8	6,629.9	22.6	27.4	-8.66	-497.3	-1,292.0	318.3	293.9	24.38	13.055		
6,900.0	6,801.2	6,887.6	6,727.1	22.9	27.8	-8.68	-505.7	-1,313.5	323.4	298.6	24.74	13.069		
7,000.0	6,899.6	6,987.5	6,824.2	23.3	28.3	-8.69	-514.0	-1,335.0	328.5	303.4	25.11	13.082		
7,100.0	6,997.9	7,100.9	6,934.7	23.7	28.8	-8.39	-521.4	-1,359.4	332.9	307.4	25.46	13.076		
7,200.0	7,096.3	7,234.9	7,064.4	24.0	29.2	-41.36	-505.4	-1,387.6	330.4	305.0	25.46	12.977		
7,300.0	7,193.7	7,362.2	7,181.2	24.2	29.4	-72.37	-462.2	-1,412.5	325.9	300.4	25.54	12.761		
7,400.0	7,287.2	7,482.2	7,280.3	24.4	29.5	-81.26	-398.3	-1,433.2	321.0	295.2	25.88	12.406		
7,500.0	7,374.0	7,594.9	7,359.8	24.5	29.5	-82.43	-320.2	-1,449.3	316.8	290.4	26.45	11.978		
7,600.0	7,451.4	7,701.1	7,419.8	24.6	29.5	-80.54	-233.5	-1,460.9	314.0	287.0	27.05	11.608		
7,694.4	7,513.8	7,796.0	7,459.3	24.7	29.5	-77.46	-147.7	-1,468.1	313.2	285.7	27.45	11.410		
7,700.0	7,517.1	7,801.4	7,461.2	24.7	29.5	-77.26	-142.6	-1,468.4	313.2	285.7	27.46	11.405		
7,800.0	7,569.0	7,896.7	7,485.7	24.8	29.6	-73.34	-50.7	-1,472.2	314.2	286.7	27.57	11.399		
7,900.0	7,605.7	7,987.9	7,494.8	25.0	29.6	-69.21	39.9	-1,472.6	317.0	289.4	27.54	11.509		
8,000.0	7,625.9	8,084.5	7,495.0	25.3	29.8	-65.75	136.5	-1,471.0	319.8	291.9	27.85	11.481		
8,100.0	7,630.0	8,184.3	7,495.0	25.6	30.0	-64.98	236.3	-1,469.3	319.2	290.2	29.04	10.992		
8,200.0	7,630.0	8,284.3	7,495.0	26.1	30.4	-64.85	336.3	-1,467.5	317.7	287.3	30.40	10.449		
8,300.0	7,630.0	8,384.3	7,495.0	26.6	30.8	-64.71	436.2	-1,465.8	316.1	284.1	32.01	9.874		
8,400.0	7,630.0	8,484.3	7,495.0	27.3	31.4	-64.58	536.2	-1,464.0	314.5	280.7	33.84	9.295		
8,500.0	7,630.0	8,584.2	7,495.0	28.0	32.0	-64.44	636.2	-1,462.3	312.9	277.1	35.84	8.730		
8,600.0	7,630.0	8,684.2	7,495.0	28.8	32.7	-64.30	736.2	-1,460.5	311.4	273.4	38.00	8.193		
8,700.0	7,630.0	8,784.2	7,495.0	29.8	33.5	-64.16	836.1	-1,458.8	309.8	269.5	40.28	7.690		
8,800.0	7,630.0	8,884.2	7,495.0	30.7	34.3	-64.02	936.1	-1,457.0	308.2	265.6	42.67	7.223		
8,900.0	7,630.0	8,984.2	7,495.0	31.8	35.2	-63.88	1,036.1	-1,455.3	306.7	261.5	45.14	6.794		
9,000.0	7,630.0	9,084.2	7,495.0	32.9	36.2	-63.73	1,136.0	-1,453.6	305.1	257.4	47.68	6.399		
9,100.0	7,630.0	9,184.2	7,495.0	34.1	37.3	-63.59	1,236.0	-1,451.8	303.5	253.2	50.27	6.037		
9,200.0	7,630.0	9,284.1	7,495.0	35.3	38.4	-63.44	1,336.0	-1,450.1	302.0	249.0	52.92	5.706		
9,300.0	7,630.0	9,384.1	7,495.0	36.6	39.5	-63.29	1,435.9	-1,448.3	300.4	244.8	55.60	5.403		
9,400.0	7,630.0	9,484.1	7,495.0	37.9	40.7	-63.14	1,535.9	-1,446.6	298.8	240.5	58.32	5.125		
9,500.0	7,630.0	9,584.1	7,495.0	39.2	41.9	-62.99	1,635.9	-1,444.8	297.3	236.2	61.06	4.869		
9,600.0	7,630.0	9,684.1	7,495.0	40.6	43.2	-62.84	1,735.9	-1,443.1	295.7	231.9	63.82	4.634		
9,700.0	7,630.0	9,784.1	7,495.0	42.0	44.5	-62.68	1,835.8	-1,441.3	294.2	227.6	66.60	4.417		
9,800.0	7,630.0	9,884.0	7,495.0	43.4	45.8	-62.52	1,935.8	-1,439.6	292.6	223.2	69.39	4.217		
9,900.0	7,630.0	9,984.0	7,495.0	44.9	47.2	-62.36	2,035.8	-1,437.8	291.1	218.9	72.20	4.032		
10,000.0	7,630.0	10,084.0	7,495.0	46.3	48.6	-62.20	2,135.7	-1,436.1	289.5	214.5	75.01	3.860		
10,100.0	7,630.0	10,184.0	7,495.0	47.8	50.0	-62.04	2,235.7	-1,434.4	288.0	210.2	77.83	3.701		
10,200.0	7,630.0	10,284.0	7,495.0	49.3	51.4	-61.88	2,335.7	-1,432.6	286.5	205.8	80.65	3.552		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4D-26H-P268 - 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)				
10,300.0	7,630.0	10,384.0	7,495.0	50.8	52.9	-61.71	2,435.6	-1,430.9	284.9	201.4	83.47	3.413		
10,400.0	7,630.0	10,484.0	7,495.0	52.4	54.3	-61.55	2,535.6	-1,429.1	283.4	197.1	86.29	3.284		
10,500.0	7,630.0	10,583.9	7,495.0	53.9	55.8	-61.38	2,635.6	-1,427.4	281.8	192.7	89.12	3.163		
10,600.0	7,630.0	10,683.9	7,495.0	55.5	57.3	-61.21	2,735.5	-1,425.6	280.3	188.4	91.93	3.049		
10,700.0	7,630.0	10,783.9	7,495.0	57.1	58.8	-61.03	2,835.5	-1,423.9	278.8	184.0	94.75	2.942		
10,800.0	7,630.0	10,883.9	7,495.0	58.7	60.3	-60.86	2,935.5	-1,422.1	277.3	179.7	97.56	2.842		
10,900.0	7,630.0	10,983.9	7,495.0	60.2	61.9	-60.68	3,035.5	-1,420.4	275.7	175.4	100.37	2.747		
11,000.0	7,630.0	11,083.9	7,495.0	61.9	63.4	-60.50	3,135.4	-1,418.7	274.2	171.1	103.17	2.658		
11,100.0	7,630.0	11,183.9	7,495.0	63.5	65.0	-60.32	3,235.4	-1,416.9	272.7	166.7	105.96	2.574		
11,200.0	7,630.0	11,283.8	7,495.0	65.1	66.6	-60.14	3,335.4	-1,415.2	271.2	162.4	108.74	2.494		
11,300.0	7,630.0	11,383.8	7,495.0	66.7	68.2	-59.96	3,435.3	-1,413.4	269.7	158.2	111.52	2.418		
11,400.0	7,630.0	11,483.8	7,495.0	68.3	69.7	-59.77	3,535.3	-1,411.7	268.2	153.9	114.28	2.347		
11,500.0	7,630.0	11,583.8	7,495.0	70.0	71.3	-59.58	3,635.3	-1,409.9	266.7	149.6	117.04	2.278		
11,600.0	7,630.0	11,683.8	7,495.0	71.6	72.9	-59.39	3,735.2	-1,408.2	265.2	145.4	119.78	2.214		
11,700.0	7,630.0	11,783.8	7,495.0	73.3	74.5	-59.20	3,835.2	-1,406.4	263.7	141.1	122.51	2.152		
11,800.0	7,630.0	11,883.7	7,495.0	74.9	76.2	-59.00	3,935.2	-1,404.7	262.2	136.9	125.23	2.093		
11,900.0	7,630.0	11,983.7	7,495.0	76.6	77.8	-58.80	4,035.2	-1,402.9	260.7	132.7	127.94	2.037		
12,000.0	7,630.0	12,083.7	7,495.0	78.2	79.4	-58.60	4,135.1	-1,401.2	259.2	128.5	130.63	1.984		
12,100.0	7,630.0	12,183.7	7,495.0	79.9	81.0	-58.40	4,235.1	-1,399.5	257.7	124.4	133.31	1.933		
12,200.0	7,630.0	12,283.7	7,495.0	81.6	82.7	-58.20	4,335.1	-1,397.7	256.2	120.2	135.97	1.884		
12,300.0	7,630.0	12,383.7	7,495.0	83.2	84.3	-57.99	4,435.0	-1,396.0	254.7	116.1	138.62	1.838		
12,400.0	7,630.0	12,483.7	7,495.0	84.9	86.0	-57.78	4,535.0	-1,394.2	253.2	112.0	141.25	1.793		
12,500.0	7,630.0	12,583.6	7,495.0	86.6	87.6	-57.57	4,635.0	-1,392.5	251.8	107.9	143.87	1.750		
12,600.0	7,630.0	12,683.6	7,495.0	88.3	89.3	-57.36	4,734.9	-1,390.7	250.3	103.8	146.47	1.709		
12,700.0	7,630.0	12,783.6	7,495.0	90.0	90.9	-57.14	4,834.9	-1,389.0	248.8	99.8	149.05	1.669		
12,800.0	7,630.0	12,883.6	7,495.0	91.7	92.6	-56.92	4,934.9	-1,387.2	247.4	95.8	151.61	1.632		
12,900.0	7,630.0	12,983.6	7,495.0	93.3	94.3	-56.70	5,034.8	-1,385.5	245.9	91.7	154.15	1.595		
13,000.0	7,630.0	13,083.6	7,495.0	95.0	95.9	-56.47	5,134.8	-1,383.8	244.4	87.8	156.67	1.560		
13,100.0	7,630.0	13,183.5	7,495.0	96.7	97.6	-56.25	5,234.8	-1,382.0	243.0	83.8	159.18	1.527		
13,200.0	7,630.0	13,283.5	7,495.0	98.4	99.3	-56.02	5,334.8	-1,380.3	241.5	79.9	161.66	1.494 Level 3		
13,300.0	7,630.0	13,383.5	7,495.0	100.1	101.0	-55.78	5,434.7	-1,378.5	240.1	76.0	164.12	1.463 Level 3		
13,400.0	7,630.0	13,483.5	7,495.0	101.8	102.6	-55.55	5,534.7	-1,376.8	238.7	72.1	166.56	1.433 Level 3		
13,500.0	7,630.0	13,583.5	7,495.0	103.5	104.3	-55.31	5,634.7	-1,375.0	237.2	68.2	168.97	1.404 Level 3		
13,600.0	7,630.0	13,683.5	7,495.0	105.2	106.0	-55.07	5,734.6	-1,373.3	235.8	64.4	171.37	1.376 Level 3		
13,672.7	7,630.0	13,756.2	7,495.0	106.5	107.2	-55.00	5,807.3	-1,372.0	235.4	62.8	172.56	1.364 Level 3		
13,700.0	7,630.0	13,783.5	7,495.0	106.9	107.7	-54.99	5,834.6	-1,371.5	235.3	62.3	173.02	1.360 Level 3		
13,800.0	7,630.0	13,883.4	7,495.0	108.6	109.4	-55.35	5,934.6	-1,369.8	237.6	62.5	175.13	1.357 Level 3		
13,900.0	7,630.0	13,983.2	7,495.0	110.3	111.1	-56.14	6,034.3	-1,368.0	242.9	65.0	177.87	1.365 Level 3		
14,000.0	7,630.0	14,082.8	7,495.0	112.0	112.8	-57.26	6,133.9	-1,366.3	250.3	67.9	182.38	1.373 Level 3		
14,100.0	7,630.0	14,182.4	7,495.0	113.6	114.5	-58.34	6,233.5	-1,364.6	258.0	70.6	187.37	1.377 Level 3		
14,200.0	7,630.0	14,282.0	7,495.0	115.3	116.1	-59.37	6,333.1	-1,362.8	265.8	73.5	192.26	1.382 Level 3		
14,300.0	7,630.0	14,381.6	7,495.0	117.0	117.8	-60.33	6,432.6	-1,361.1	273.6	76.6	197.04	1.389 Level 3		
14,400.0	7,630.0	14,481.2	7,495.0	118.7	119.5	-61.25	6,532.2	-1,359.4	281.5	79.8	201.73	1.396 Level 3		
14,500.0	7,630.0	14,580.8	7,495.0	120.3	121.2	-62.11	6,631.8	-1,357.6	289.5	83.2	206.34	1.403 Level 3		
14,600.0	7,630.0	14,720.7	7,495.0	122.0	123.6	-62.76	6,771.3	-1,349.7	295.4	84.2	211.21	1.399 Level 3		
14,700.0	7,630.0	14,880.2	7,495.0	123.7	126.0	-59.12	6,921.0	-1,296.7	272.5	64.3	208.12	1.309 Level 3		
14,770.9	7,630.0	14,880.2	7,495.0	124.9	126.0	-59.12	6,921.0	-1,296.7	263.1	53.9	209.18	1.258 Level 3, SF		
14,795.6	7,630.0	14,880.2	7,495.0	125.3	126.0	-59.12	6,921.0	-1,296.7	264.2	54.7	209.55	1.261 Level 3		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4F-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	91.88	-0.3	10.1	10.1					
100.0	100.0	100.0	100.0	0.1	0.1	91.88	-0.3	10.1	10.1	9.8	0.24	42.448		
200.0	200.0	200.0	200.0	0.3	0.3	91.88	-0.3	10.1	10.1	9.5	0.59	17.181		
300.0	300.0	300.0	300.0	0.5	0.5	91.88	-0.3	10.1	10.1	9.1	0.94	10.770		
400.0	400.0	400.0	400.0	0.6	0.6	91.88	-0.3	10.1	10.1	8.8	1.28	7.844		
500.0	500.0	500.0	500.0	0.8	0.8	91.88	-0.3	10.1	10.1	8.4	1.63	6.168		
600.0	600.0	600.0	600.0	1.0	1.0	91.88	-0.3	10.1	10.1	8.1	1.98	5.082 CC, ES		
700.0	700.0	700.0	700.0	1.2	1.2	-162.09	-0.3	10.1	11.7	9.4	2.33	5.029		
800.0	799.8	800.3	800.3	1.4	1.3	-164.78	-1.3	8.6	15.2	12.5	2.68	5.679		
900.0	899.5	900.8	900.6	1.6	1.5	-164.24	-4.0	4.1	19.0	16.0	3.03	6.270		
1,000.0	998.7	1,001.3	1,000.8	1.8	1.7	-162.07	-8.7	-3.4	23.1	19.7	3.39	6.807		
1,100.0	1,097.5	1,102.0	1,100.7	2.1	2.0	-159.07	-15.2	-13.9	27.5	23.7	3.77	7.291		
1,200.0	1,195.8	1,202.5	1,199.9	2.4	2.2	-155.07	-23.4	-27.2	31.5	27.3	4.20	7.495		
1,300.0	1,294.2	1,302.4	1,298.5	2.7	2.5	-151.13	-32.1	-41.1	35.0	30.3	4.67	7.486		
1,400.0	1,392.5	1,402.3	1,397.0	3.0	2.8	-147.92	-40.8	-55.1	38.6	33.5	5.18	7.456		
1,500.0	1,490.8	1,502.2	1,495.6	3.4	3.1	-145.27	-49.4	-69.1	42.4	36.7	5.72	7.413		
1,600.0	1,589.2	1,602.1	1,594.1	3.7	3.4	-143.06	-58.1	-83.1	46.2	39.9	6.28	7.364		
1,700.0	1,687.5	1,702.0	1,692.7	4.1	3.7	-141.18	-66.8	-97.1	50.1	43.3	6.85	7.313		
1,800.0	1,785.9	1,802.0	1,791.2	4.4	4.1	-139.58	-75.4	-111.1	54.0	46.6	7.44	7.263		
1,900.0	1,884.2	1,901.9	1,889.8	4.8	4.4	-138.19	-84.1	-125.0	58.0	50.0	8.04	7.215		
2,000.0	1,982.5	2,001.8	1,988.3	5.1	4.7	-136.99	-92.8	-139.0	62.0	53.3	8.65	7.170		
2,100.0	2,080.9	2,101.7	2,086.9	5.5	5.0	-135.93	-101.5	-153.0	66.0	56.8	9.26	7.129		
2,200.0	2,179.2	2,201.6	2,185.4	5.8	5.4	-134.99	-110.1	-167.0	70.1	60.2	9.88	7.090		
2,300.0	2,277.6	2,301.5	2,284.0	6.2	5.7	-134.15	-118.8	-181.0	74.1	63.6	10.51	7.055		
2,400.0	2,375.9	2,401.4	2,382.5	6.6	6.0	-133.40	-127.5	-195.0	78.2	67.1	11.13	7.022		
2,500.0	2,474.3	2,501.3	2,481.1	6.9	6.4	-132.73	-136.1	-208.9	82.3	70.5	11.77	6.992		
2,600.0	2,572.6	2,601.3	2,579.6	7.3	6.7	-132.12	-144.8	-222.9	86.4	74.0	12.40	6.965		
2,700.0	2,670.9	2,701.2	2,678.2	7.6	7.0	-131.56	-153.5	-236.9	90.5	77.4	13.04	6.939		
2,800.0	2,769.3	2,801.1	2,776.7	8.0	7.4	-131.05	-162.1	-250.9	94.6	80.9	13.67	6.916		
2,900.0	2,867.6	2,901.0	2,875.3	8.4	7.7	-130.59	-170.8	-264.9	98.7	84.4	14.32	6.894		
3,000.0	2,966.0	3,000.9	2,973.8	8.7	8.0	-130.16	-179.5	-278.9	102.8	87.9	14.96	6.874		
3,100.0	3,064.3	3,100.8	3,072.3	9.1	8.4	-129.77	-188.2	-292.8	106.9	91.3	15.60	6.856		
3,200.0	3,162.6	3,200.7	3,170.9	9.4	8.7	-129.40	-196.8	-306.8	111.1	94.8	16.24	6.838		
3,300.0	3,261.0	3,300.6	3,269.4	9.8	9.0	-129.06	-205.5	-320.8	115.2	98.3	16.89	6.822		
3,400.0	3,359.3	3,400.6	3,368.0	10.2	9.4	-128.75	-214.2	-334.8	119.4	101.8	17.53	6.807		
3,500.0	3,457.7	3,500.5	3,466.5	10.5	9.7	-128.45	-222.8	-348.8	123.5	105.3	18.18	6.793		
3,600.0	3,556.0	3,600.4	3,565.1	10.9	10.0	-128.18	-231.5	-362.8	127.6	108.8	18.83	6.780		
3,700.0	3,654.3	3,700.3	3,663.6	11.3	10.4	-127.92	-240.2	-376.7	131.8	112.3	19.47	6.768		
3,800.0	3,752.7	3,800.2	3,762.2	11.6	10.7	-127.68	-248.8	-390.7	136.0	115.8	20.12	6.756		
3,900.0	3,851.0	3,900.1	3,860.7	12.0	11.0	-127.45	-257.5	-404.7	140.1	119.3	20.77	6.745		
4,000.0	3,949.4	4,000.0	3,959.3	12.4	11.4	-127.23	-266.2	-418.7	144.3	122.8	21.42	6.735		
4,100.0	4,047.7	4,099.9	4,057.8	12.7	11.7	-127.03	-274.9	-432.7	148.4	126.4	22.07	6.725		
4,200.0	4,146.0	4,199.8	4,156.4	13.1	12.0	-126.84	-283.5	-446.7	152.6	129.9	22.72	6.716		
4,300.0	4,244.4	4,299.8	4,254.9	13.4	12.4	-126.66	-292.2	-460.6	156.7	133.4	23.37	6.707		
4,400.0	4,342.7	4,399.7	4,353.5	13.8	12.7	-126.49	-300.9	-474.6	160.9	136.9	24.02	6.699		
4,500.0	4,441.1	4,499.6	4,452.0	14.2	13.1	-126.32	-309.5	-488.6	165.1	140.4	24.67	6.691		
4,600.0	4,539.4	4,599.5	4,550.6	14.5	13.4	-126.17	-318.2	-502.6	169.2	143.9	25.32	6.683		
4,700.0	4,637.7	4,699.4	4,649.1	14.9	13.7	-126.02	-326.9	-516.6	173.4	147.4	25.97	6.676		
4,800.0	4,736.1	4,799.3	4,747.7	15.3	14.1	-125.88	-335.6	-530.6	177.6	151.0	26.63	6.670		
4,900.0	4,834.4	4,899.2	4,846.2	15.6	14.4	-125.74	-344.2	-544.5	181.7	154.5	27.28	6.663		
5,000.0	4,932.8	4,999.1	4,944.8	16.0	14.7	-125.62	-352.9	-558.5	185.9	158.0	27.93	6.657		
5,100.0	5,031.1	5,099.1	5,043.3	16.4	15.1	-125.49	-361.6	-572.5	190.1	161.5	28.58	6.651		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4F-26H-P268 - HZ - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,200.0	5,129.4	5,199.0	5,141.9	16.7	15.4	-125.38	-370.2	-586.5	194.3	165.0	29.23	6.645	
5,300.0	5,227.8	5,298.9	5,240.4	17.1	15.8	-125.26	-378.9	-600.5	198.4	168.6	29.88	6.640	
5,400.0	5,326.1	5,398.8	5,339.0	17.5	16.1	-125.15	-387.6	-614.5	202.6	172.1	30.54	6.635	
5,500.0	5,424.5	5,498.7	5,437.5	17.8	16.4	-125.05	-396.2	-628.4	206.8	175.6	31.19	6.630	
5,600.0	5,522.8	5,598.6	5,536.1	18.2	16.8	-124.95	-404.9	-642.4	211.0	179.1	31.84	6.625	
5,700.0	5,621.2	5,698.5	5,634.6	18.6	17.1	-124.86	-413.6	-656.4	215.1	182.6	32.50	6.621	
5,800.0	5,719.5	5,798.4	5,733.1	18.9	17.4	-124.76	-422.3	-670.4	219.3	186.2	33.15	6.616	
5,900.0	5,817.8	5,898.4	5,831.7	19.3	17.8	-124.68	-430.9	-684.4	223.5	189.7	33.80	6.612	
6,000.0	5,916.2	5,998.3	5,930.2	19.6	18.1	-124.59	-439.6	-698.3	227.7	193.2	34.45	6.608	
6,100.0	6,014.5	6,098.2	6,028.8	20.0	18.5	-124.51	-448.3	-712.3	231.8	196.7	35.11	6.604	
6,200.0	6,112.9	6,198.1	6,127.3	20.4	18.8	-124.43	-456.9	-726.3	236.0	200.3	35.76	6.600	
6,300.0	6,211.2	6,298.0	6,225.9	20.7	19.1	-124.35	-465.6	-740.3	240.2	203.8	36.41	6.597	
6,400.0	6,309.5	6,397.9	6,324.4	21.1	19.5	-124.28	-474.3	-754.3	244.4	207.3	37.07	6.593	
6,500.0	6,407.9	6,497.8	6,423.0	21.5	19.8	-124.21	-482.9	-768.3	248.6	210.8	37.72	6.590	
6,600.0	6,506.2	6,597.7	6,521.5	21.8	20.1	-124.14	-491.6	-782.2	252.7	214.4	38.37	6.586	
6,700.0	6,604.6	6,697.7	6,620.1	22.2	20.5	-124.07	-500.3	-796.2	256.9	217.9	39.03	6.583	
6,800.0	6,702.9	6,797.6	6,718.6	22.6	20.8	-124.01	-509.0	-810.2	261.1	221.4	39.68	6.580	
6,900.0	6,801.2	6,908.6	6,828.2	22.9	21.2	-124.17	-517.2	-825.8	264.7	224.4	40.28	6.571	
7,000.0	6,899.6	7,043.6	6,960.9	23.3	21.4	-128.53	-503.8	-844.8	257.9	218.4	39.53	6.525	
7,100.0	6,997.9	7,162.9	7,072.7	23.7	21.4	-137.96	-466.2	-861.1	241.7	205.1	36.63	6.599	
7,200.0	7,096.3	7,263.3	7,159.1	24.0	21.4	174.44	-416.9	-873.9	226.6	194.3	32.37	7.001	
7,286.0	7,180.2	7,341.7	7,219.9	24.2	21.3	132.56	-368.3	-882.9	222.3	193.5	28.82	7.713	
7,300.0	7,193.7	7,354.0	7,228.8	24.2	21.3	127.82	-359.9	-884.3	222.4	194.1	28.35	7.847	
7,400.0	7,287.2	7,438.1	7,284.7	24.4	21.2	103.02	-297.8	-892.8	229.3	203.1	26.16	8.765	
7,500.0	7,374.0	7,517.3	7,328.5	24.5	21.1	86.64	-232.3	-899.6	244.7	218.7	26.06	9.392	
7,600.0	7,451.4	7,592.7	7,361.6	24.6	21.1	74.65	-164.8	-904.9	265.3	238.7	26.69	9.942	
7,700.0	7,517.1	7,665.4	7,384.9	24.7	21.1	65.66	-96.1	-908.9	288.0	261.2	26.88	10.716	
7,800.0	7,569.0	7,735.9	7,399.2	24.8	21.1	58.96	-27.1	-911.5	310.4	284.2	26.29	11.809	
7,900.0	7,605.7	7,804.8	7,404.8	25.0	21.2	54.03	41.5	-912.9	330.9	305.9	25.04	13.217	
8,000.0	7,625.9	7,897.1	7,405.0	25.3	21.5	50.48	133.7	-913.7	345.5	321.6	23.88	14.467	
8,100.0	7,630.0	7,996.9	7,405.0	25.6	21.9	49.71	233.6	-914.6	347.9	324.1	23.84	14.595	
8,200.0	7,630.0	8,096.9	7,405.0	26.1	22.4	49.62	333.6	-915.5	347.3	322.2	25.10	13.835	
8,300.0	7,630.0	8,196.9	7,405.0	26.6	23.1	49.52	433.6	-916.4	346.6	320.0	26.57	13.045	
8,400.0	7,630.0	8,296.9	7,405.0	27.3	23.9	49.43	533.6	-917.2	345.9	317.7	28.21	12.263	
8,500.0	7,630.0	8,396.9	7,405.0	28.0	24.7	49.33	633.5	-918.1	345.3	315.3	29.99	11.512	
8,600.0	7,630.0	8,496.9	7,405.0	28.8	25.7	49.24	733.5	-919.0	344.6	312.7	31.89	10.806	
8,700.0	7,630.0	8,596.9	7,405.0	29.8	26.7	49.14	833.5	-919.8	344.0	310.1	33.89	10.150	
8,800.0	7,630.0	8,696.9	7,405.0	30.7	27.8	49.05	933.5	-920.7	343.3	307.3	35.96	9.547	
8,900.0	7,630.0	8,796.9	7,405.0	31.8	29.0	48.95	1,033.5	-921.6	342.6	304.6	38.09	8.995	
9,000.0	7,630.0	8,896.9	7,405.0	32.9	30.3	48.86	1,133.5	-922.5	342.0	301.7	40.28	8.490	
9,100.0	7,630.0	8,996.9	7,405.0	34.1	31.5	48.76	1,233.5	-923.3	341.3	298.8	42.51	8.030	
9,200.0	7,630.0	9,096.9	7,405.0	35.3	32.9	48.66	1,333.5	-924.2	340.7	295.9	44.77	7.609	
9,300.0	7,630.0	9,196.9	7,405.0	36.6	34.2	48.57	1,433.5	-925.1	340.0	293.0	47.06	7.225	
9,400.0	7,630.0	9,296.9	7,405.0	37.9	35.6	48.47	1,533.5	-926.0	339.4	290.0	49.38	6.873	
9,500.0	7,630.0	9,396.9	7,405.0	39.2	37.1	48.37	1,633.5	-926.8	338.7	287.0	51.71	6.550	
9,600.0	7,630.0	9,496.9	7,405.0	40.6	38.5	48.27	1,733.5	-927.7	338.1	284.0	54.06	6.254	
9,700.0	7,630.0	9,596.9	7,405.0	42.0	40.0	48.17	1,833.5	-928.6	337.4	281.0	56.42	5.981	
9,800.0	7,630.0	9,696.9	7,405.0	43.4	41.5	48.08	1,933.4	-929.4	336.8	278.0	58.79	5.729	
9,900.0	7,630.0	9,796.9	7,405.0	44.9	43.0	47.98	2,033.4	-930.3	336.1	275.0	61.16	5.496	
10,000.0	7,630.0	9,896.9	7,405.0	46.3	44.6	47.88	2,133.4	-931.2	335.5	271.9	63.54	5.279	
10,100.0	7,630.0	9,996.9	7,405.0	47.8	46.1	47.78	2,233.4	-932.1	334.8	268.9	65.93	5.079	
10,200.0	7,630.0	10,096.9	7,405.0	49.3	47.7	47.68	2,333.4	-932.9	334.2	265.9	68.31	4.892	

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4F-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,300.0	7,630.0	10,196.8	7,405.0	50.8	49.3	47.58	2,433.4	-933.8	333.5	262.8	70.70	4.717		
10,400.0	7,630.0	10,296.8	7,405.0	52.4	50.9	47.47	2,533.4	-934.7	332.9	259.8	73.09	4.554		
10,500.0	7,630.0	10,396.8	7,405.0	53.9	52.5	47.37	2,633.4	-935.6	332.2	256.8	75.48	4.402		
10,600.0	7,630.0	10,496.8	7,405.0	55.5	54.1	47.27	2,733.4	-936.4	331.6	253.7	77.86	4.259		
10,700.0	7,630.0	10,596.8	7,405.0	57.1	55.7	47.17	2,833.4	-937.3	331.0	250.7	80.24	4.124		
10,800.0	7,630.0	10,696.8	7,405.0	58.7	57.3	47.06	2,933.4	-938.2	330.3	247.7	82.62	3.998		
10,900.0	7,630.0	10,796.8	7,405.0	60.2	58.9	46.96	3,033.4	-939.0	329.7	244.7	85.00	3.879		
11,000.0	7,630.0	10,896.8	7,405.0	61.9	60.6	46.86	3,133.4	-939.9	329.0	241.7	87.37	3.766		
11,100.0	7,630.0	10,996.8	7,405.0	63.5	62.2	46.75	3,233.3	-940.8	328.4	238.7	89.74	3.660		
11,200.0	7,630.0	11,096.8	7,405.0	65.1	63.9	46.65	3,333.3	-941.7	327.8	235.7	92.10	3.559		
11,300.0	7,630.0	11,196.8	7,405.0	66.7	65.6	46.54	3,433.3	-942.5	327.1	232.7	94.45	3.464		
11,400.0	7,630.0	11,296.8	7,405.0	68.3	67.2	46.44	3,533.3	-943.4	326.5	229.7	96.80	3.373		
11,500.0	7,630.0	11,396.8	7,405.0	70.0	68.9	46.33	3,633.3	-944.3	325.9	226.7	99.14	3.287		
11,600.0	7,630.0	11,496.8	7,405.0	71.6	70.6	46.23	3,733.3	-945.2	325.2	223.8	101.48	3.205		
11,700.0	7,630.0	11,596.8	7,405.0	73.3	72.2	46.12	3,833.3	-946.0	324.6	220.8	103.81	3.127		
11,800.0	7,630.0	11,696.8	7,405.0	74.9	73.9	46.01	3,933.3	-946.9	324.0	217.9	106.13	3.053		
11,900.0	7,630.0	11,796.8	7,405.0	76.6	75.6	45.91	4,033.3	-947.8	323.4	214.9	108.45	2.982		
12,000.0	7,630.0	11,896.8	7,405.0	78.2	77.3	45.80	4,133.3	-948.6	322.7	212.0	110.75	2.914		
12,100.0	7,630.0	11,996.8	7,405.0	79.9	79.0	45.69	4,233.3	-949.5	322.1	209.1	113.05	2.849		
12,200.0	7,630.0	12,096.8	7,405.0	81.6	80.7	45.58	4,333.3	-950.4	321.5	206.1	115.34	2.787		
12,300.0	7,630.0	12,196.8	7,405.0	83.2	82.4	45.47	4,433.3	-951.3	320.9	203.2	117.62	2.728		
12,400.0	7,630.0	12,296.8	7,405.0	84.9	84.1	45.36	4,533.2	-952.1	320.2	200.3	119.90	2.671		
12,500.0	7,630.0	12,396.8	7,405.0	86.6	85.8	45.25	4,633.2	-953.0	319.6	197.5	122.16	2.616		
12,600.0	7,630.0	12,496.8	7,405.0	88.3	87.5	45.14	4,733.2	-953.9	319.0	194.6	124.42	2.564		
12,700.0	7,630.0	12,596.8	7,405.0	90.0	89.2	45.03	4,833.2	-954.8	318.4	191.7	126.66	2.514		
12,800.0	7,630.0	12,696.8	7,405.0	91.7	90.9	44.92	4,933.2	-955.6	317.8	188.9	128.90	2.465		
12,900.0	7,630.0	12,796.8	7,405.0	93.3	92.6	44.81	5,033.2	-956.5	317.1	186.0	131.13	2.419		
13,000.0	7,630.0	12,896.7	7,405.0	95.0	94.3	44.70	5,133.2	-957.4	316.5	183.2	133.35	2.374		
13,100.0	7,630.0	12,996.7	7,405.0	96.7	96.0	44.58	5,233.2	-958.2	315.9	180.4	135.55	2.331		
13,200.0	7,630.0	13,096.7	7,405.0	98.4	97.7	44.47	5,333.2	-959.1	315.3	177.6	137.75	2.289		
13,300.0	7,630.0	13,196.7	7,405.0	100.1	99.4	44.36	5,433.2	-960.0	314.7	174.8	139.94	2.249		
13,400.0	7,630.0	13,296.7	7,405.0	101.8	101.1	44.24	5,533.2	-960.9	314.1	172.0	142.12	2.210		
13,500.0	7,630.0	13,396.7	7,405.0	103.5	102.9	44.13	5,633.2	-961.7	313.5	169.2	144.28	2.173		
13,600.0	7,630.0	13,496.7	7,405.0	105.2	104.6	44.01	5,733.2	-962.6	312.9	166.4	146.44	2.137		
13,700.0	7,630.0	13,596.7	7,405.0	106.9	106.3	43.73	5,833.1	-963.5	311.5	164.1	147.37	2.114		
13,800.0	7,630.0	13,696.5	7,405.0	108.6	108.0	42.94	5,933.0	-964.4	307.7	161.0	146.68	2.098		
13,900.0	7,630.0	13,794.0	7,405.0	110.3	109.7	41.67	6,030.4	-965.0	301.8	157.3	144.50	2.089		
14,000.0	7,630.0	13,887.2	7,405.0	112.0	111.3	40.45	6,123.6	-963.3	296.0	152.9	143.14	2.068		
14,100.0	7,630.0	13,980.8	7,405.0	113.6	112.9	39.65	6,217.1	-958.6	292.3	149.1	143.17	2.042		
14,200.0	7,630.0	14,074.7	7,405.0	115.3	114.5	39.29	6,310.7	-950.7	290.7	146.4	144.36	2.014		
14,223.5	7,630.0	14,096.8	7,405.0	115.7	114.8	39.28	6,332.7	-948.4	290.7	145.8	144.83	2.007		
14,300.0	7,630.0	14,168.7	7,405.0	117.0	116.0	39.41	6,404.0	-939.8	291.3	144.4	146.85	1.983		
14,400.0	7,630.0	14,262.5	7,405.0	118.7	117.6	39.99	6,496.7	-925.9	293.9	143.2	150.66	1.951		
14,500.0	7,630.0	14,355.9	7,405.0	120.3	119.1	41.00	6,588.6	-909.0	298.7	142.9	155.75	1.918		
14,600.0	7,630.0	14,455.1	7,405.0	122.0	120.8	42.29	6,685.9	-889.3	304.8	143.0	161.76	1.884		
14,700.0	7,630.0	14,554.7	7,405.0	123.7	122.4	43.54	6,783.5	-869.5	311.0	143.3	167.69	1.855		
14,795.6	7,630.0	14,649.9	7,405.0	125.3	124.0	44.69	6,876.8	-850.6	317.1	143.9	173.27	1.830 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4G-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	90.96	-0.3	20.1	20.1					
100.0	100.0	100.0	100.0	0.1	0.1	90.96	-0.3	20.1	20.1	19.9	0.24	84.862		
200.0	200.0	200.0	200.0	0.3	0.3	90.96	-0.3	20.1	20.1	19.6	0.59	34.349		
300.0	300.0	300.0	300.0	0.5	0.5	90.96	-0.3	20.1	20.1	19.2	0.94	21.532		
400.0	400.0	400.0	400.0	0.6	0.6	90.96	-0.3	20.1	20.1	18.9	1.28	15.681		
500.0	500.0	500.0	500.0	0.8	0.8	90.96	-0.3	20.1	20.1	18.5	1.63	12.330		
600.0	600.0	600.0	600.0	1.0	1.0	90.96	-0.3	20.1	20.1	18.2	1.98	10.160 CC, ES		
700.0	700.0	700.0	700.0	1.2	1.2	-161.52	-0.3	20.1	21.8	19.5	2.33	9.348		
800.0	799.8	799.8	799.8	1.4	1.3	-165.04	-0.3	20.1	26.8	24.1	2.68	10.011		
900.0	899.5	900.4	900.4	1.6	1.5	-167.03	-1.5	18.8	33.9	30.8	3.02	11.197		
1,000.0	998.7	1,001.2	1,001.1	1.8	1.7	-166.55	-5.0	14.9	41.5	38.1	3.37	12.294		
1,100.0	1,097.5	1,102.2	1,101.6	2.1	1.9	-164.75	-10.9	8.2	49.7	45.9	3.74	13.296		
1,200.0	1,195.8	1,202.9	1,201.6	2.4	2.1	-162.03	-19.1	-0.9	57.6	53.5	4.13	13.952		
1,300.0	1,294.2	1,302.6	1,300.4	2.7	2.4	-159.46	-27.7	-10.7	65.0	60.5	4.54	14.305		
1,400.0	1,392.5	1,402.3	1,399.2	3.0	2.6	-157.42	-36.4	-20.4	72.5	67.5	4.98	14.566		
1,500.0	1,490.8	1,502.0	1,498.1	3.4	2.9	-155.76	-45.1	-30.2	80.1	74.7	5.43	14.758		
1,600.0	1,589.2	1,601.6	1,596.9	3.7	3.1	-154.39	-53.8	-40.0	87.7	81.8	5.89	14.899		
1,700.0	1,687.5	1,701.3	1,695.7	4.1	3.4	-153.24	-62.5	-49.7	95.4	89.0	6.36	15.001		
1,800.0	1,785.9	1,801.0	1,794.5	4.4	3.7	-152.27	-71.2	-59.5	103.1	96.3	6.84	15.075		
1,900.0	1,884.2	1,900.7	1,893.4	4.8	3.9	-151.42	-79.9	-69.3	110.9	103.5	7.33	15.129		
2,000.0	1,982.5	2,000.4	1,992.2	5.1	4.2	-150.69	-88.6	-79.0	118.6	110.8	7.82	15.166		
2,100.0	2,080.9	2,100.1	2,091.0	5.5	4.5	-150.05	-97.3	-88.8	126.4	118.1	8.32	15.193		
2,200.0	2,179.2	2,199.8	2,189.8	5.8	4.8	-149.48	-105.9	-98.6	134.2	125.4	8.82	15.211		
2,300.0	2,277.6	2,299.5	2,288.7	6.2	5.0	-148.98	-114.6	-108.3	142.0	132.7	9.33	15.222		
2,400.0	2,375.9	2,399.1	2,387.5	6.6	5.3	-148.53	-123.3	-118.1	149.8	140.0	9.84	15.229		
2,500.0	2,474.3	2,498.8	2,486.3	6.9	5.6	-148.12	-132.0	-127.9	157.6	147.3	10.35	15.232		
2,600.0	2,572.6	2,598.5	2,585.2	7.3	5.9	-147.75	-140.7	-137.6	165.4	154.6	10.86	15.232		
2,700.0	2,670.9	2,698.2	2,684.0	7.6	6.2	-147.41	-149.4	-147.4	173.3	161.9	11.38	15.230		
2,800.0	2,769.3	2,797.9	2,782.8	8.0	6.4	-147.11	-158.1	-157.1	181.1	169.2	11.89	15.227		
2,900.0	2,867.6	2,897.6	2,881.6	8.4	6.7	-146.83	-166.8	-166.9	189.0	176.5	12.41	15.222		
3,000.0	2,966.0	2,997.3	2,980.5	8.7	7.0	-146.57	-175.5	-176.7	196.8	183.9	12.93	15.216		
3,100.0	3,064.3	3,097.0	3,079.3	9.1	7.3	-146.33	-184.1	-186.4	204.6	191.2	13.45	15.210		
3,200.0	3,162.6	3,196.6	3,178.1	9.4	7.6	-146.11	-192.8	-196.2	212.5	198.5	13.98	15.204		
3,300.0	3,261.0	3,296.3	3,276.9	9.8	7.9	-145.90	-201.5	-206.0	220.4	205.9	14.50	15.197		
3,400.0	3,359.3	3,396.0	3,375.8	10.2	8.1	-145.71	-210.2	-215.7	228.2	213.2	15.02	15.190		
3,500.0	3,457.7	3,495.7	3,474.6	10.5	8.4	-145.53	-218.9	-225.5	236.1	220.5	15.55	15.182		
3,600.0	3,556.0	3,595.4	3,573.4	10.9	8.7	-145.36	-227.6	-235.3	243.9	227.9	16.08	15.175		
3,700.0	3,654.3	3,695.1	3,672.3	11.3	9.0	-145.21	-236.3	-245.0	251.8	235.2	16.60	15.168		
3,800.0	3,752.7	3,794.8	3,771.1	11.6	9.3	-145.06	-245.0	-254.8	259.7	242.5	17.13	15.160		
3,900.0	3,851.0	3,894.5	3,869.9	12.0	9.6	-144.92	-253.7	-264.6	267.5	249.9	17.66	15.153		
4,000.0	3,949.4	3,994.1	3,968.7	12.4	9.9	-144.79	-262.3	-274.3	275.4	257.2	18.18	15.146		
4,100.0	4,047.7	4,093.8	4,067.6	12.7	10.1	-144.67	-271.0	-284.1	283.3	264.6	18.71	15.139		
4,200.0	4,146.0	4,193.5	4,166.4	13.1	10.4	-144.55	-279.7	-293.9	291.2	271.9	19.24	15.132		
4,300.0	4,244.4	4,293.2	4,265.2	13.4	10.7	-144.44	-288.4	-303.6	299.0	279.3	19.77	15.126		
4,400.0	4,342.7	4,392.9	4,364.0	13.8	11.0	-144.34	-297.1	-313.4	306.9	286.6	20.30	15.119		
4,500.0	4,441.1	4,492.6	4,462.9	14.2	11.3	-144.24	-305.8	-323.2	314.8	294.0	20.83	15.113		
4,600.0	4,539.4	4,592.3	4,561.7	14.5	11.6	-144.14	-314.5	-332.9	322.7	301.3	21.36	15.107		
4,700.0	4,637.7	4,692.0	4,660.5	14.9	11.9	-144.05	-323.2	-342.7	330.5	308.7	21.89	15.101		
4,800.0	4,736.1	4,791.7	4,759.4	15.3	12.1	-143.97	-331.9	-352.5	338.4	316.0	22.42	15.095		
4,900.0	4,834.4	4,891.3	4,858.2	15.6	12.4	-143.88	-340.5	-362.2	346.3	323.4	22.95	15.089		
5,000.0	4,932.8	4,991.0	4,957.0	16.0	12.7	-143.80	-349.2	-372.0	354.2	330.7	23.48	15.083		
5,100.0	5,031.1	5,090.7	5,055.8	16.4	13.0	-143.73	-357.9	-381.8	362.1	338.0	24.01	15.078		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4G-26H-P268 - HZ - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,129.4	5,190.4	5,154.7	16.7	13.3	-143.66	-366.6	-391.5	369.9	345.4	24.54	15.072		
5,300.0	5,227.8	5,290.1	5,253.5	17.1	13.6	-143.59	-375.3	-401.3	377.8	352.8	25.08	15.067		
5,400.0	5,326.1	5,389.8	5,352.3	17.5	13.9	-143.52	-384.0	-411.0	385.7	360.1	25.61	15.062		
5,500.0	5,424.5	5,489.5	5,451.1	17.8	14.1	-143.46	-392.7	-420.8	393.6	367.5	26.14	15.057		
5,600.0	5,522.8	5,589.2	5,550.0	18.2	14.4	-143.40	-401.4	-430.6	401.5	374.8	26.67	15.053		
5,700.0	5,621.2	5,688.8	5,648.8	18.6	14.7	-143.34	-410.1	-440.3	409.4	382.2	27.20	15.048		
5,800.0	5,719.5	5,788.5	5,747.6	18.9	15.0	-143.28	-418.7	-450.1	417.2	389.5	27.74	15.043		
5,900.0	5,817.8	5,888.2	5,846.5	19.3	15.3	-143.23	-427.4	-459.9	425.1	396.9	28.27	15.039		
6,000.0	5,916.2	5,987.9	5,945.3	19.6	15.6	-143.18	-436.1	-469.6	433.0	404.2	28.80	15.035		
6,100.0	6,014.5	6,087.6	6,044.1	20.0	15.9	-143.13	-444.8	-479.4	440.9	411.6	29.33	15.030		
6,200.0	6,112.9	6,187.3	6,142.9	20.4	16.2	-143.08	-453.5	-489.2	448.8	418.9	29.87	15.026		
6,300.0	6,211.2	6,287.0	6,241.8	20.7	16.4	-143.03	-462.2	-498.9	456.7	426.3	30.40	15.022		
6,400.0	6,309.5	6,386.7	6,340.6	21.1	16.7	-142.99	-470.9	-508.7	464.6	433.6	30.93	15.018		
6,500.0	6,407.9	6,486.3	6,439.4	21.5	17.0	-142.94	-479.6	-518.5	472.4	441.0	31.47	15.015		
6,600.0	6,506.2	6,586.0	6,538.2	21.8	17.3	-142.90	-488.3	-528.2	480.3	448.3	32.00	15.011		
6,700.0	6,604.6	6,685.7	6,637.1	22.2	17.6	-142.86	-496.9	-538.0	488.2	455.7	32.53	15.007		
6,800.0	6,702.9	6,785.4	6,735.9	22.6	17.9	-142.82	-505.6	-547.8	496.1	463.0	33.07	15.004		
6,900.0	6,801.2	6,885.1	6,834.7	22.9	18.2	-142.78	-514.3	-557.5	504.0	470.4	33.60	15.000		
7,000.0	6,899.6	7,007.0	6,955.8	23.3	18.4	-143.35	-519.2	-569.5	510.6	476.7	33.92	15.054		
7,100.0	6,997.9	7,137.1	7,083.2	23.7	18.5	-146.79	-497.5	-582.1	511.3	478.2	33.08	15.455		
7,200.0	7,096.3	7,251.5	7,188.7	24.0	18.4	172.01	-455.0	-592.5	509.8	478.4	31.42	16.225		
7,209.5	7,105.6	7,261.7	7,197.7	24.0	18.3	166.74	-450.2	-593.4	509.8	478.5	31.23	16.321		
7,300.0	7,193.7	7,355.4	7,275.5	24.2	18.1	131.84	-398.9	-601.1	511.1	481.5	29.56	17.293		
7,400.0	7,287.2	7,451.3	7,345.5	24.4	17.9	113.31	-333.9	-608.0	515.6	487.6	27.98	18.428		
7,500.0	7,374.0	7,541.0	7,400.4	24.5	17.7	102.33	-263.2	-613.4	522.9	495.9	26.98	19.379		
7,600.0	7,451.4	7,625.8	7,441.6	24.6	17.6	94.51	-189.2	-617.5	532.2	505.6	26.60	20.006		
7,700.0	7,517.1	7,706.9	7,470.4	24.7	17.6	88.45	-113.6	-620.3	542.8	516.2	26.67	20.353		
7,800.0	7,569.0	7,785.1	7,487.9	24.8	17.6	83.63	-37.5	-622.1	553.7	526.8	26.96	20.539		
7,900.0	7,605.7	7,860.9	7,494.8	25.0	17.8	79.81	38.0	-622.8	564.0	536.8	27.24	20.706		
8,000.0	7,625.9	7,954.4	7,495.0	25.3	18.1	76.98	131.4	-622.8	571.7	544.1	27.63	20.694		
8,100.0	7,630.0	8,054.2	7,495.0	25.6	18.5	76.38	231.3	-622.8	573.3	544.9	28.42	20.176		
8,200.0	7,630.0	8,154.2	7,495.0	26.1	19.1	76.38	331.3	-622.8	573.3	543.4	29.95	19.144		
8,300.0	7,630.0	8,254.2	7,495.0	26.6	19.9	76.38	431.3	-622.8	573.3	541.6	31.78	18.043		
8,400.0	7,630.0	8,354.2	7,495.0	27.3	20.8	76.38	531.3	-622.8	573.3	539.5	33.85	16.939		
8,500.0	7,630.0	8,454.2	7,495.0	28.0	21.8	76.38	631.3	-622.8	573.3	537.2	36.12	15.871		
8,600.0	7,630.0	8,554.2	7,495.0	28.8	22.8	76.38	731.3	-622.8	573.3	534.8	38.57	14.866		
8,700.0	7,630.0	8,654.2	7,495.0	29.8	24.0	76.38	831.3	-622.8	573.3	532.2	41.15	13.933		
8,800.0	7,630.0	8,754.2	7,495.0	30.7	25.2	76.38	931.3	-622.8	573.3	529.5	43.85	13.076		
8,900.0	7,630.0	8,854.2	7,495.0	31.8	26.5	76.38	1,031.3	-622.8	573.3	526.7	46.64	12.294		
9,000.0	7,630.0	8,954.2	7,495.0	32.9	27.8	76.38	1,131.3	-622.8	573.3	523.8	49.50	11.582		
9,100.0	7,630.0	9,054.2	7,495.0	34.1	29.2	76.38	1,231.3	-622.8	573.3	520.9	52.43	10.934		
9,200.0	7,630.0	9,154.2	7,495.0	35.3	30.6	76.38	1,331.3	-622.8	573.3	517.9	55.42	10.345		
9,300.0	7,630.0	9,254.2	7,495.0	36.6	32.1	76.38	1,431.3	-622.8	573.3	514.9	58.46	9.808		
9,400.0	7,630.0	9,354.2	7,495.0	37.9	33.6	76.38	1,531.3	-622.8	573.3	511.8	61.53	9.318		
9,500.0	7,630.0	9,454.2	7,495.0	39.2	35.1	76.38	1,631.3	-622.8	573.3	508.7	64.64	8.870		
9,600.0	7,630.0	9,554.2	7,495.0	40.6	36.6	76.38	1,731.3	-622.8	573.3	505.6	67.77	8.460		
9,700.0	7,630.0	9,654.2	7,495.0	42.0	38.2	76.38	1,831.3	-622.8	573.3	502.4	70.93	8.083		
9,800.0	7,630.0	9,754.2	7,495.0	43.4	39.7	76.38	1,931.3	-622.8	573.3	499.2	74.12	7.736		
9,900.0	7,630.0	9,854.2	7,495.0	44.9	41.3	76.38	2,031.3	-622.8	573.3	496.0	77.32	7.415		
10,000.0	7,630.0	9,954.2	7,495.0	46.3	42.9	76.38	2,131.3	-622.8	573.3	492.8	80.54	7.119		
10,100.0	7,630.0	10,054.2	7,495.0	47.8	44.5	76.38	2,231.3	-622.8	573.3	489.6	83.78	6.844		
10,200.0	7,630.0	10,154.2	7,495.0	49.3	46.1	76.38	2,331.3	-622.8	573.3	486.3	87.03	6.588		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4G-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,300.0	7,630.0	10,254.2	7,495.0	50.8	47.7	76.38	2,431.3	-622.8	573.3	483.1	90.29	6.350		
10,400.0	7,630.0	10,354.2	7,495.0	52.4	49.4	76.38	2,531.3	-622.8	573.3	479.8	93.56	6.128		
10,500.0	7,630.0	10,454.2	7,495.0	53.9	51.0	76.38	2,631.3	-622.8	573.3	476.5	96.84	5.921		
10,600.0	7,630.0	10,554.2	7,495.0	55.5	52.7	76.38	2,731.3	-622.8	573.3	473.2	100.13	5.726		
10,700.0	7,630.0	10,654.2	7,495.0	57.1	54.3	76.38	2,831.3	-622.8	573.3	469.9	103.43	5.544		
10,800.0	7,630.0	10,754.2	7,495.0	58.7	56.0	76.38	2,931.3	-622.8	573.3	466.6	106.73	5.372		
10,900.0	7,630.0	10,854.2	7,495.0	60.2	57.7	76.38	3,031.3	-622.8	573.3	463.3	110.04	5.210		
11,000.0	7,630.0	10,954.2	7,495.0	61.9	59.3	76.38	3,131.3	-622.8	573.3	460.0	113.36	5.058		
11,100.0	7,630.0	11,054.2	7,495.0	63.5	61.0	76.38	3,231.3	-622.8	573.3	456.7	116.68	4.914		
11,200.0	7,630.0	11,154.2	7,495.0	65.1	62.7	76.38	3,331.3	-622.8	573.3	453.3	120.01	4.778		
11,300.0	7,630.0	11,254.2	7,495.0	66.7	64.4	76.38	3,431.3	-622.8	573.3	450.0	123.34	4.649		
11,400.0	7,630.0	11,354.2	7,495.0	68.3	66.1	76.38	3,531.3	-622.8	573.3	446.7	126.68	4.526		
11,500.0	7,630.0	11,454.2	7,495.0	70.0	67.8	76.38	3,631.3	-622.8	573.3	443.3	130.02	4.410		
11,600.0	7,630.0	11,554.2	7,495.0	71.6	69.5	76.38	3,731.3	-622.8	573.3	440.0	133.36	4.299		
11,700.0	7,630.0	11,654.2	7,495.0	73.3	71.2	76.38	3,831.3	-622.8	573.3	436.6	136.71	4.194		
11,800.0	7,630.0	11,754.2	7,495.0	74.9	72.9	76.38	3,931.3	-622.8	573.3	433.3	140.06	4.094		
11,900.0	7,630.0	11,854.2	7,495.0	76.6	74.6	76.38	4,031.3	-622.8	573.3	429.9	143.41	3.998		
12,000.0	7,630.0	11,954.2	7,495.0	78.2	76.3	76.38	4,131.3	-622.8	573.3	426.6	146.76	3.907		
12,100.0	7,630.0	12,054.2	7,495.0	79.9	78.0	76.38	4,231.3	-622.8	573.3	423.2	150.12	3.819		
12,200.0	7,630.0	12,154.2	7,495.0	81.6	79.7	76.38	4,331.3	-622.8	573.3	419.9	153.48	3.736		
12,300.0	7,630.0	12,254.2	7,495.0	83.2	81.4	76.38	4,431.3	-622.8	573.3	416.5	156.84	3.655		
12,400.0	7,630.0	12,354.2	7,495.0	84.9	83.1	76.38	4,531.3	-622.8	573.3	413.1	160.21	3.579		
12,500.0	7,630.0	12,454.2	7,495.0	86.6	84.8	76.38	4,631.3	-622.8	573.3	409.8	163.58	3.505		
12,600.0	7,630.0	12,554.2	7,495.0	88.3	86.5	76.38	4,731.3	-622.8	573.3	406.4	166.94	3.434		
12,700.0	7,630.0	12,654.2	7,495.0	90.0	88.3	76.38	4,831.3	-622.8	573.3	403.0	170.31	3.366		
12,800.0	7,630.0	12,754.2	7,495.0	91.7	90.0	76.38	4,931.3	-622.8	573.3	399.7	173.69	3.301		
12,900.0	7,630.0	12,854.2	7,495.0	93.3	91.7	76.38	5,031.3	-622.8	573.3	396.3	177.06	3.238		
13,000.0	7,630.0	12,954.2	7,495.0	95.0	93.4	76.38	5,131.3	-622.8	573.3	392.9	180.43	3.178		
13,100.0	7,630.0	13,054.2	7,495.0	96.7	95.1	76.38	5,231.3	-622.8	573.3	389.5	183.81	3.119		
13,200.0	7,630.0	13,154.2	7,495.0	98.4	96.9	76.38	5,331.3	-622.8	573.3	386.2	187.19	3.063		
13,300.0	7,630.0	13,254.2	7,495.0	100.1	98.6	76.38	5,431.3	-622.8	573.3	382.8	190.56	3.009		
13,400.0	7,630.0	13,354.2	7,495.0	101.8	100.3	76.38	5,531.3	-622.8	573.3	379.4	193.94	2.956		
13,500.0	7,630.0	13,454.2	7,495.0	103.5	102.0	76.38	5,631.3	-622.8	573.3	376.0	197.32	2.906		
13,600.0	7,630.0	13,554.2	7,495.0	105.2	103.8	76.38	5,731.3	-622.8	573.3	372.6	200.70	2.857		
13,700.0	7,630.0	13,654.2	7,495.0	106.9	105.5	76.35	5,831.2	-622.8	572.2	369.1	203.11	2.817		
13,800.0	7,630.0	13,754.1	7,495.0	108.6	107.2	76.22	5,931.1	-622.8	567.8	362.8	204.99	2.770		
13,900.0	7,630.0	13,853.8	7,495.0	110.3	109.0	75.98	6,030.8	-622.8	559.9	353.4	206.54	2.711		
14,000.0	7,630.0	13,953.2	7,495.0	112.0	110.7	75.70	6,130.2	-622.8	549.6	340.5	209.13	2.628		
14,100.0	7,630.0	14,052.6	7,495.0	113.6	112.4	75.42	6,229.7	-622.8	539.1	326.9	212.23	2.540		
14,200.0	7,630.0	14,152.0	7,495.0	115.3	114.1	75.12	6,329.1	-622.8	528.7	313.4	215.30	2.456		
14,300.0	7,630.0	14,251.4	7,495.0	117.0	115.8	74.82	6,428.5	-622.8	518.3	299.9	218.34	2.374		
14,400.0	7,630.0	14,350.8	7,495.0	118.7	117.6	74.50	6,527.9	-622.8	507.8	286.5	221.36	2.294		
14,500.0	7,630.0	14,450.3	7,495.0	120.3	119.3	74.16	6,627.3	-622.8	497.4	273.1	224.35	2.217		
14,600.0	7,630.0	14,549.7	7,495.0	122.0	121.0	73.82	6,726.7	-622.8	487.0	259.7	227.31	2.143		
14,700.0	7,630.0	14,649.1	7,495.0	123.7	122.7	73.46	6,826.1	-622.8	476.7	246.4	230.22	2.070		
14,795.6	7,630.0	14,742.8	7,495.0	125.3	124.4	73.10	6,919.9	-622.8	466.8	233.8	232.96	2.004 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4H-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	1.0	1.0	0.0	0.0	90.67	-0.3	29.9	29.9					
100.0	100.0	101.0	101.0	0.1	0.1	90.67	-0.3	29.9	29.9	29.7	0.24	125.184		
200.0	200.0	201.0	201.0	0.3	0.3	90.67	-0.3	29.9	29.9	29.3	0.59	50.891		
300.0	300.0	301.0	301.0	0.5	0.5	90.67	-0.3	29.9	29.9	29.0	0.94	31.937		
400.0	400.0	401.0	401.0	0.6	0.6	90.67	-0.3	29.9	29.9	28.6	1.29	23.270		
500.0	500.0	501.0	501.0	0.8	0.8	90.67	-0.3	29.9	29.9	28.3	1.64	18.303		
600.0	600.0	601.0	601.0	1.0	1.0	90.67	-0.3	29.9	29.9	27.9	1.98	15.084 CC, ES		
700.0	700.0	701.0	701.0	1.2	1.2	-161.32	-0.3	29.9	31.6	29.2	2.33	13.538		
800.0	799.8	800.8	800.8	1.4	1.3	-163.92	-0.3	29.9	36.6	33.9	2.68	13.650		
900.0	899.5	900.5	900.5	1.6	1.5	-166.95	-0.3	29.9	45.0	42.0	3.02	14.887		
1,000.0	998.7	1,000.3	1,000.3	1.8	1.7	-167.99	-2.1	29.6	56.4	53.1	3.37	16.751		
1,100.0	1,097.5	1,100.7	1,100.6	2.1	1.9	-166.68	-7.1	28.4	69.9	66.2	3.72	18.804		
1,200.0	1,195.8	1,202.3	1,201.8	2.4	2.1	-164.96	-14.2	24.4	83.0	78.9	4.10	20.260		
1,300.0	1,294.2	1,302.6	1,301.6	2.7	2.3	-162.92	-22.7	18.1	93.7	89.2	4.49	20.868		
1,400.0	1,392.5	1,402.0	1,400.4	3.0	2.5	-161.26	-31.2	11.7	104.4	99.5	4.90	21.308		
1,500.0	1,490.8	1,501.4	1,499.2	3.4	2.7	-159.91	-39.8	5.2	115.1	109.8	5.32	21.646		
1,600.0	1,589.2	1,600.8	1,598.0	3.7	2.9	-158.79	-48.3	-1.2	125.9	120.1	5.75	21.908		
1,700.0	1,687.5	1,700.2	1,696.8	4.1	3.2	-157.84	-56.9	-7.7	136.7	130.5	6.18	22.112		
1,800.0	1,785.9	1,799.6	1,795.6	4.4	3.4	-157.04	-65.4	-14.1	147.5	140.9	6.62	22.271		
1,900.0	1,884.2	1,898.9	1,894.4	4.8	3.6	-156.34	-74.0	-20.6	158.4	151.3	7.07	22.396		
2,000.0	1,982.5	1,998.3	1,993.2	5.1	3.9	-155.73	-82.5	-27.0	169.3	161.8	7.53	22.494		
2,100.0	2,080.9	2,097.7	2,092.0	5.5	4.1	-155.20	-91.1	-33.5	180.2	172.2	7.98	22.572		
2,200.0	2,179.2	2,197.1	2,190.9	5.8	4.4	-154.73	-99.6	-39.9	191.1	182.7	8.44	22.633		
2,300.0	2,277.6	2,296.5	2,289.7	6.2	4.6	-154.31	-108.2	-46.4	202.0	193.1	8.91	22.682		
2,400.0	2,375.9	2,395.9	2,388.5	6.6	4.9	-153.93	-116.7	-52.8	213.0	203.6	9.37	22.721		
2,500.0	2,474.3	2,495.3	2,487.3	6.9	5.1	-153.59	-125.2	-59.3	223.9	214.1	9.84	22.752		
2,600.0	2,572.6	2,594.7	2,586.1	7.3	5.4	-153.28	-133.8	-65.7	234.9	224.6	10.31	22.777		
2,700.0	2,670.9	2,694.1	2,684.9	7.6	5.6	-153.00	-142.3	-72.2	245.8	235.0	10.78	22.796		
2,800.0	2,769.3	2,793.5	2,783.7	8.0	5.9	-152.74	-150.9	-78.6	256.8	245.5	11.26	22.811		
2,900.0	2,867.6	2,892.9	2,882.5	8.4	6.1	-152.50	-159.4	-85.1	267.8	256.0	11.73	22.823		
3,000.0	2,966.0	2,992.2	2,981.4	8.7	6.4	-152.29	-168.0	-91.5	278.7	266.5	12.21	22.832		
3,100.0	3,064.3	3,091.6	3,080.2	9.1	6.6	-152.08	-176.5	-98.0	289.7	277.0	12.69	22.839		
3,200.0	3,162.6	3,191.0	3,179.0	9.4	6.9	-151.90	-185.1	-104.4	300.7	287.5	13.16	22.844		
3,300.0	3,261.0	3,290.4	3,277.8	9.8	7.1	-151.72	-193.6	-110.9	311.7	298.0	13.64	22.847		
3,400.0	3,359.3	3,389.8	3,376.6	10.2	7.4	-151.56	-202.2	-117.3	322.7	308.6	14.12	22.849		
3,500.0	3,457.7	3,489.2	3,475.4	10.5	7.6	-151.41	-210.7	-123.7	333.7	319.1	14.60	22.850		
3,600.0	3,556.0	3,588.6	3,574.2	10.9	7.9	-151.27	-219.2	-130.2	344.7	329.6	15.08	22.850		
3,700.0	3,654.3	3,688.0	3,673.0	11.3	8.1	-151.14	-227.8	-136.6	355.7	340.1	15.56	22.849		
3,800.0	3,752.7	3,787.4	3,771.9	11.6	8.4	-151.01	-236.3	-143.1	366.6	350.6	16.05	22.848		
3,900.0	3,851.0	3,886.8	3,870.7	12.0	8.6	-150.90	-244.9	-149.5	377.6	361.1	16.53	22.846		
4,000.0	3,949.4	3,986.1	3,969.5	12.4	8.9	-150.78	-253.4	-156.0	388.6	371.6	17.01	22.844		
4,100.0	4,047.7	4,085.5	4,068.3	12.7	9.1	-150.68	-262.0	-162.4	399.6	382.1	17.50	22.842		
4,200.0	4,146.0	4,184.9	4,167.1	13.1	9.4	-150.58	-270.5	-168.9	410.6	392.7	17.98	22.839		
4,300.0	4,244.4	4,284.3	4,265.9	13.4	9.6	-150.49	-279.1	-175.3	421.6	403.2	18.46	22.836		
4,400.0	4,342.7	4,383.7	4,364.7	13.8	9.9	-150.40	-287.6	-181.8	432.7	413.7	18.95	22.833		
4,500.0	4,441.1	4,483.1	4,463.5	14.2	10.1	-150.31	-296.2	-188.2	443.7	424.2	19.43	22.830		
4,600.0	4,539.4	4,582.5	4,562.4	14.5	10.4	-150.23	-304.7	-194.7	454.7	434.7	19.92	22.826		
4,700.0	4,637.7	4,681.9	4,661.2	14.9	10.6	-150.16	-313.2	-201.1	465.7	445.3	20.40	22.823		
4,800.0	4,736.1	4,781.3	4,760.0	15.3	10.9	-150.08	-321.8	-207.6	476.7	455.8	20.89	22.819		
4,900.0	4,834.4	4,880.7	4,858.8	15.6	11.1	-150.01	-330.3	-214.0	487.7	466.3	21.37	22.816		
5,000.0	4,932.8	4,980.1	4,957.6	16.0	11.4	-149.95	-338.9	-220.5	498.7	476.8	21.86	22.812		
5,100.0	5,031.1	5,079.4	5,056.4	16.4	11.7	-149.88	-347.4	-226.9	509.7	487.4	22.35	22.809		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4H-26H-P268 - HZ - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,129.4	5,178.8	5,155.2	16.7	11.9	-149.82	-356.0	-233.4	520.7	497.9	22.83	22.805		
5,300.0	5,227.8	5,278.2	5,254.0	17.1	12.2	-149.76	-364.5	-239.8	531.7	508.4	23.32	22.801		
5,400.0	5,326.1	5,377.6	5,352.9	17.5	12.4	-149.71	-373.1	-246.3	542.7	518.9	23.81	22.798		
5,500.0	5,424.5	5,477.0	5,451.7	17.8	12.7	-149.65	-381.6	-252.7	553.7	529.4	24.29	22.794		
5,600.0	5,522.8	5,576.4	5,550.5	18.2	12.9	-149.60	-390.2	-259.2	564.8	540.0	24.78	22.791		
5,700.0	5,621.2	5,675.8	5,649.3	18.6	13.2	-149.55	-398.7	-265.6	575.8	550.5	25.27	22.787		
5,800.0	5,719.5	5,775.2	5,748.1	18.9	13.4	-149.50	-407.2	-272.1	586.8	561.0	25.75	22.784		
5,900.0	5,817.8	5,874.6	5,846.9	19.3	13.7	-149.45	-415.8	-278.5	597.8	571.5	26.24	22.780		
6,000.0	5,916.2	5,974.0	5,945.7	19.6	13.9	-149.41	-424.3	-284.9	608.8	582.1	26.73	22.777		
6,100.0	6,014.5	6,073.4	6,044.5	20.0	14.2	-149.37	-432.9	-291.4	619.8	592.6	27.22	22.773		
6,200.0	6,112.9	6,172.7	6,143.4	20.4	14.4	-149.33	-441.4	-297.8	630.8	603.1	27.70	22.770		
6,300.0	6,211.2	6,272.1	6,242.2	20.7	14.7	-149.29	-450.0	-304.3	641.8	613.7	28.19	22.767		
6,400.0	6,309.5	6,371.5	6,341.0	21.1	15.0	-149.25	-458.5	-310.7	652.9	624.2	28.68	22.764		
6,500.0	6,407.9	6,470.9	6,439.8	21.5	15.2	-149.21	-467.1	-317.2	663.9	634.7	29.17	22.761		
6,600.0	6,506.2	6,570.3	6,538.6	21.8	15.5	-149.17	-475.6	-323.6	674.9	645.2	29.66	22.757		
6,700.0	6,604.6	6,669.7	6,637.4	22.2	15.7	-149.14	-484.2	-330.1	685.9	655.8	30.14	22.754		
6,800.0	6,702.9	6,769.1	6,736.2	22.6	16.0	-149.10	-492.7	-336.5	696.9	666.3	30.63	22.751		
6,900.0	6,801.2	6,868.5	6,835.0	22.9	16.2	-149.07	-501.3	-343.0	707.9	676.8	31.12	22.748		
7,000.0	6,899.6	6,967.9	6,933.9	23.3	16.5	-149.04	-509.8	-349.4	719.0	687.3	31.61	22.746		
7,100.0	6,997.9	7,075.6	7,041.0	23.7	16.7	-149.07	-518.2	-356.4	729.8	697.8	32.07	22.756		
7,200.0	7,096.3	7,207.5	7,171.9	24.0	16.8	172.96	-507.0	-365.0	738.3	706.5	31.76	23.248		
7,300.0	7,193.7	7,334.2	7,292.0	24.2	16.6	135.30	-468.4	-372.8	745.8	715.0	30.75	24.251		
7,400.0	7,287.2	7,454.9	7,395.9	24.4	16.3	118.99	-407.8	-379.6	752.8	723.3	29.51	25.512		
7,500.0	7,374.0	7,569.3	7,480.8	24.5	16.0	109.95	-331.5	-385.1	759.4	731.1	28.35	26.791		
7,600.0	7,451.4	7,677.8	7,545.7	24.6	15.7	103.80	-244.9	-389.4	765.7	738.2	27.53	27.817		
7,700.0	7,517.1	7,780.8	7,591.3	24.7	15.6	99.13	-152.7	-392.3	771.5	744.3	27.18	28.390		
7,800.0	7,569.0	7,879.0	7,618.7	24.8	15.6	95.43	-58.6	-394.1	776.8	749.5	27.29	28.462		
7,900.0	7,605.7	7,973.0	7,629.7	25.0	15.8	92.45	34.7	-394.8	781.3	753.5	27.76	28.140		
8,000.0	7,625.9	8,069.8	7,630.0	25.3	16.1	90.36	131.4	-394.9	784.4	755.9	28.53	27.499		
8,100.0	7,630.0	8,169.6	7,630.0	25.6	16.6	89.93	231.3	-394.9	785.1	755.5	29.60	26.529		
8,200.0	7,630.0	8,269.6	7,630.0	26.1	17.3	89.93	331.3	-394.9	785.1	754.0	31.14	25.211		
8,300.0	7,630.0	8,369.6	7,630.0	26.6	18.2	89.93	431.3	-394.9	785.1	752.2	32.99	23.799		
8,400.0	7,630.0	8,469.6	7,630.0	27.3	19.1	89.93	531.3	-394.9	785.1	750.0	35.09	22.373		
8,500.0	7,630.0	8,569.6	7,630.0	28.0	20.2	89.93	631.3	-394.9	785.1	747.7	37.41	20.989		
8,600.0	7,630.0	8,669.6	7,630.0	28.8	21.4	89.93	731.3	-394.9	785.1	745.2	39.90	19.679		
8,700.0	7,630.0	8,769.6	7,630.0	29.8	22.6	89.93	831.3	-394.9	785.1	742.6	42.53	18.461		
8,800.0	7,630.0	8,869.6	7,630.0	30.7	23.9	89.93	931.3	-394.9	785.1	739.9	45.28	17.339		
8,900.0	7,630.0	8,969.6	7,630.0	31.8	25.3	89.93	1,031.3	-394.9	785.1	737.0	48.13	16.312		
9,000.0	7,630.0	9,069.6	7,630.0	32.9	26.7	89.93	1,131.3	-394.9	785.1	734.1	51.07	15.375		
9,100.0	7,630.0	9,169.6	7,630.0	34.1	28.1	89.93	1,231.3	-394.9	785.1	731.1	54.07	14.522		
9,200.0	7,630.0	9,269.6	7,630.0	35.3	29.6	89.93	1,331.3	-394.9	785.1	728.0	57.13	13.744		
9,300.0	7,630.0	9,369.6	7,630.0	36.6	31.1	89.93	1,431.3	-394.9	785.1	724.9	60.23	13.035		
9,400.0	7,630.0	9,469.6	7,630.0	37.9	32.6	89.93	1,531.3	-394.9	785.1	721.8	63.38	12.387		
9,500.0	7,630.0	9,569.6	7,630.0	39.2	34.2	89.93	1,631.3	-394.9	785.1	718.6	66.57	11.794		
9,600.0	7,630.0	9,669.6	7,630.0	40.6	35.7	89.93	1,731.3	-394.9	785.1	715.4	69.79	11.251		
9,700.0	7,630.0	9,769.6	7,630.0	42.0	37.3	89.93	1,831.3	-394.9	785.1	712.1	73.03	10.751		
9,800.0	7,630.0	9,869.6	7,630.0	43.4	38.9	89.93	1,931.3	-394.9	785.1	708.8	76.30	10.291		
9,900.0	7,630.0	9,969.6	7,630.0	44.9	40.5	89.93	2,031.3	-394.9	785.1	705.6	79.58	9.866		
10,000.0	7,630.0	10,069.6	7,630.0	46.3	42.1	89.93	2,131.3	-394.9	785.1	702.3	82.89	9.472		
10,100.0	7,630.0	10,169.6	7,630.0	47.8	43.8	89.93	2,231.3	-394.9	785.1	698.9	86.21	9.107		
10,200.0	7,630.0	10,269.6	7,630.0	49.3	45.4	89.93	2,331.3	-394.9	785.1	695.6	89.55	8.768		
10,300.0	7,630.0	10,369.6	7,630.0	50.8	47.1	89.93	2,431.3	-394.9	785.1	692.2	92.90	8.452		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4H-26H-P268 - HZ - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis		Separation Factor
10,400.0	7,630.0	10,469.6	7,630.0	52.4	48.7	89.93	2,531.3	-394.9	785.1	688.9	96.26	8.157	
10,500.0	7,630.0	10,569.6	7,630.0	53.9	50.4	89.93	2,631.3	-394.9	785.1	685.5	99.63	7.881	
10,600.0	7,630.0	10,669.6	7,630.0	55.5	52.1	89.93	2,731.3	-394.9	785.1	682.1	103.00	7.622	
10,700.0	7,630.0	10,769.6	7,630.0	57.1	53.8	89.93	2,831.3	-394.9	785.1	678.7	106.39	7.380	
10,800.0	7,630.0	10,869.6	7,630.0	58.7	55.4	89.93	2,931.3	-394.9	785.1	675.4	109.79	7.151	
10,900.0	7,630.0	10,969.6	7,630.0	60.2	57.1	89.93	3,031.3	-394.9	785.1	672.0	113.19	6.937	
11,000.0	7,630.0	11,069.6	7,630.0	61.9	58.8	89.93	3,131.3	-394.9	785.1	668.5	116.60	6.734	
11,100.0	7,630.0	11,169.6	7,630.0	63.5	60.5	89.93	3,231.3	-394.9	785.1	665.1	120.01	6.542	
11,200.0	7,630.0	11,269.6	7,630.0	65.1	62.2	89.93	3,331.3	-394.9	785.1	661.7	123.43	6.361	
11,300.0	7,630.0	11,369.6	7,630.0	66.7	63.9	89.93	3,431.3	-394.9	785.1	658.3	126.86	6.189	
11,400.0	7,630.0	11,469.6	7,630.0	68.3	65.6	89.93	3,531.3	-394.9	785.1	654.9	130.28	6.026	
11,500.0	7,630.0	11,569.6	7,630.0	70.0	67.3	89.93	3,631.3	-394.9	785.1	651.4	133.72	5.872	
11,600.0	7,630.0	11,669.6	7,630.0	71.6	69.0	89.93	3,731.3	-394.9	785.1	648.0	137.15	5.725	
11,700.0	7,630.0	11,769.6	7,630.0	73.3	70.7	89.93	3,831.3	-394.9	785.1	644.5	140.59	5.584	
11,800.0	7,630.0	11,869.6	7,630.0	74.9	72.4	89.93	3,931.3	-394.9	785.1	641.1	144.04	5.451	
11,900.0	7,630.0	11,969.6	7,630.0	76.6	74.1	89.93	4,031.3	-394.9	785.1	637.7	147.48	5.324	
12,000.0	7,630.0	12,069.6	7,630.0	78.2	75.9	89.93	4,131.3	-394.9	785.1	634.2	150.93	5.202	
12,100.0	7,630.0	12,169.6	7,630.0	79.9	77.6	89.93	4,231.3	-394.9	785.1	630.8	154.39	5.086	
12,200.0	7,630.0	12,269.6	7,630.0	81.6	79.3	89.93	4,331.3	-394.9	785.1	627.3	157.84	4.974	
12,300.0	7,630.0	12,369.6	7,630.0	83.2	81.0	89.93	4,431.3	-394.9	785.1	623.8	161.30	4.868	
12,400.0	7,630.0	12,469.6	7,630.0	84.9	82.7	89.93	4,531.3	-394.9	785.1	620.4	164.76	4.765	
12,500.0	7,630.0	12,569.6	7,630.0	86.6	84.5	89.93	4,631.3	-394.9	785.1	616.9	168.22	4.667	
12,600.0	7,630.0	12,669.6	7,630.0	88.3	86.2	89.93	4,731.3	-394.9	785.1	613.5	171.68	4.573	
12,700.0	7,630.0	12,769.6	7,630.0	90.0	87.9	89.93	4,831.3	-394.9	785.1	610.0	175.14	4.483	
12,800.0	7,630.0	12,869.6	7,630.0	91.7	89.6	89.93	4,931.3	-394.9	785.1	606.5	178.61	4.396	
12,900.0	7,630.0	12,969.6	7,630.0	93.3	91.4	89.93	5,031.3	-394.9	785.1	603.1	182.08	4.312	
13,000.0	7,630.0	13,069.6	7,630.0	95.0	93.1	89.93	5,131.3	-394.9	785.1	599.6	185.55	4.231	
13,100.0	7,630.0	13,169.6	7,630.0	96.7	94.8	89.93	5,231.3	-394.9	785.1	596.1	189.02	4.154	
13,200.0	7,630.0	13,269.6	7,630.0	98.4	96.6	89.93	5,331.3	-394.9	785.1	592.6	192.49	4.079	
13,300.0	7,630.0	13,369.6	7,630.0	100.1	98.3	89.93	5,431.3	-394.9	785.1	589.2	195.96	4.007	
13,400.0	7,630.0	13,469.6	7,630.0	101.8	100.0	89.93	5,531.3	-394.9	785.1	585.7	199.44	3.937	
13,500.0	7,630.0	13,569.6	7,630.0	103.5	101.8	89.93	5,631.3	-394.9	785.1	582.2	202.92	3.869	
13,600.0	7,630.0	13,669.6	7,630.0	105.2	103.5	89.93	5,731.3	-394.9	785.1	578.7	206.39	3.804	
13,700.0	7,630.0	13,769.6	7,630.0	106.9	105.2	89.93	5,831.3	-394.9	784.0	575.0	209.01	3.751	
13,800.0	7,630.0	13,869.5	7,630.0	108.6	107.0	89.93	5,931.1	-394.9	779.4	568.2	211.20	3.690	
13,900.0	7,630.0	13,969.2	7,630.0	110.3	108.7	89.93	6,030.8	-394.9	771.3	558.2	213.14	3.619	
14,000.0	7,630.0	14,068.6	7,630.0	112.0	110.4	89.92	6,130.2	-394.9	760.7	544.6	216.11	3.520	
14,100.0	7,630.0	14,168.0	7,630.0	113.6	112.1	89.92	6,229.7	-394.9	749.9	530.3	219.57	3.415	
14,200.0	7,630.0	14,267.4	7,630.0	115.3	113.9	89.92	6,329.1	-394.9	739.1	516.0	223.03	3.314	
14,300.0	7,630.0	14,366.8	7,630.0	117.0	115.6	89.92	6,428.5	-394.9	728.3	501.8	226.50	3.215	
14,400.0	7,630.0	14,466.2	7,630.0	118.7	117.3	89.92	6,527.9	-394.9	717.5	487.5	229.96	3.120	
14,500.0	7,630.0	14,565.7	7,630.0	120.3	119.1	89.92	6,627.3	-394.9	706.7	473.2	233.42	3.027	
14,600.0	7,630.0	14,665.1	7,630.0	122.0	120.8	89.92	6,726.7	-394.9	695.9	459.0	236.89	2.938	
14,700.0	7,630.0	14,764.5	7,630.0	123.7	122.5	89.92	6,826.1	-394.9	685.1	444.7	240.36	2.850	
14,795.6	7,630.0	14,857.9	7,630.0	125.3	124.1	89.91	6,919.5	-394.9	674.7	431.1	243.64	2.769 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4I-26H-P268 - HZ - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	90.51	-0.4	40.0	40.0					
100.0	100.0	101.0	101.0	0.1	0.1	90.51	-0.4	40.0	40.0	39.8	0.24	167.298		
200.0	200.0	201.0	201.0	0.3	0.3	90.51	-0.4	40.0	40.0	39.4	0.59	68.011		
300.0	300.0	301.0	301.0	0.5	0.5	90.51	-0.4	40.0	40.0	39.1	0.94	42.681		
400.0	400.0	401.0	401.0	0.6	0.6	90.51	-0.4	40.0	40.0	38.7	1.29	31.099		
500.0	500.0	501.0	501.0	0.8	0.8	90.51	-0.4	40.0	40.0	38.4	1.64	24.461		
600.0	600.0	601.0	601.0	1.0	1.0	90.51	-0.4	40.0	40.0	38.0	1.98	20.158 CC, ES		
700.0	700.0	701.0	701.0	1.2	1.2	-161.21	-0.4	40.0	41.7	39.3	2.33	17.854		
800.0	799.8	800.8	800.8	1.4	1.3	-163.25	-0.4	40.0	46.6	44.0	2.68	17.403		
900.0	899.5	900.5	900.5	1.6	1.5	-165.83	-0.4	40.0	55.0	52.0	3.02	18.199		
1,000.0	998.7	999.7	999.7	1.8	1.7	-168.33	-0.4	40.0	66.9	63.6	3.37	19.885		
1,100.0	1,097.5	1,100.2	1,100.2	2.1	1.9	-169.53	-1.9	39.2	81.3	77.6	3.71	21.923		
1,200.0	1,195.8	1,200.9	1,200.8	2.4	2.0	-168.94	-6.6	36.7	96.0	91.9	4.07	23.602		
1,300.0	1,294.2	1,301.9	1,301.4	2.7	2.2	-166.99	-14.4	32.6	108.8	104.3	4.45	24.462		
1,400.0	1,392.5	1,401.1	1,400.0	3.0	2.5	-164.89	-23.4	27.9	120.9	116.0	4.84	24.971		
1,500.0	1,490.8	1,500.3	1,498.7	3.4	2.7	-163.17	-32.4	23.2	133.1	127.9	5.25	25.366		
1,600.0	1,589.2	1,599.5	1,597.3	3.7	2.9	-161.74	-41.5	18.5	145.4	139.8	5.67	25.672		
1,700.0	1,687.5	1,698.7	1,696.0	4.1	3.1	-160.54	-50.5	13.8	157.9	151.8	6.09	25.907		
1,800.0	1,785.9	1,797.8	1,794.7	4.4	3.3	-159.51	-59.5	9.0	170.3	163.8	6.53	26.089		
1,900.0	1,884.2	1,897.0	1,893.3	4.8	3.6	-158.62	-68.5	4.3	182.8	175.9	6.97	26.230		
2,000.0	1,982.5	1,996.2	1,992.0	5.1	3.8	-157.84	-77.5	-0.4	195.4	188.0	7.42	26.339		
2,100.0	2,080.9	2,095.4	2,090.6	5.5	4.0	-157.16	-86.5	-5.1	208.0	200.1	7.87	26.424		
2,200.0	2,179.2	2,194.5	2,189.3	5.8	4.3	-156.56	-95.5	-9.8	220.6	212.3	8.33	26.489		
2,300.0	2,277.6	2,293.7	2,287.9	6.2	4.5	-156.02	-104.5	-14.6	233.2	224.4	8.79	26.539		
2,400.0	2,375.9	2,392.9	2,386.6	6.6	4.7	-155.54	-113.5	-19.3	245.9	236.6	9.25	26.578		
2,500.0	2,474.3	2,492.1	2,485.2	6.9	5.0	-155.10	-122.5	-24.0	258.5	248.8	9.72	26.607		
2,600.0	2,572.6	2,591.2	2,583.9	7.3	5.2	-154.70	-131.6	-28.7	271.2	261.0	10.18	26.629		
2,700.0	2,670.9	2,690.4	2,682.5	7.6	5.4	-154.34	-140.6	-33.4	283.9	273.3	10.65	26.646		
2,800.0	2,769.3	2,789.6	2,781.2	8.0	5.7	-154.02	-149.6	-38.1	296.6	285.5	11.13	26.657		
2,900.0	2,867.6	2,888.8	2,879.8	8.4	5.9	-153.71	-158.6	-42.9	309.3	297.7	11.60	26.665		
3,000.0	2,966.0	2,987.9	2,978.5	8.7	6.2	-153.44	-167.6	-47.6	322.0	310.0	12.07	26.670		
3,100.0	3,064.3	3,087.1	3,077.2	9.1	6.4	-153.18	-176.6	-52.3	334.8	322.2	12.55	26.672		
3,200.0	3,162.6	3,186.3	3,175.8	9.4	6.7	-152.94	-185.6	-57.0	347.5	334.5	13.03	26.672		
3,300.0	3,261.0	3,285.5	3,274.5	9.8	6.9	-152.72	-194.6	-61.7	360.2	346.7	13.51	26.671		
3,400.0	3,359.3	3,384.7	3,373.1	10.2	7.1	-152.51	-203.6	-66.5	373.0	359.0	13.99	26.669		
3,500.0	3,457.7	3,483.8	3,471.8	10.5	7.4	-152.32	-212.6	-71.2	385.7	371.2	14.46	26.665		
3,600.0	3,556.0	3,583.0	3,570.4	10.9	7.6	-152.14	-221.7	-75.9	398.5	383.5	14.95	26.661		
3,700.0	3,654.3	3,682.2	3,669.1	11.3	7.9	-151.97	-230.7	-80.6	411.2	395.8	15.43	26.656		
3,800.0	3,752.7	3,781.4	3,767.7	11.6	8.1	-151.81	-239.7	-85.3	424.0	408.1	15.91	26.651		
3,900.0	3,851.0	3,880.5	3,866.4	12.0	8.4	-151.66	-248.7	-90.1	436.7	420.3	16.39	26.645		
4,000.0	3,949.4	3,979.7	3,965.0	12.4	8.6	-151.52	-257.7	-94.8	449.5	432.6	16.87	26.639		
4,100.0	4,047.7	4,078.9	4,063.7	12.7	8.9	-151.39	-266.7	-99.5	462.2	444.9	17.36	26.632		
4,200.0	4,146.0	4,178.1	4,162.3	13.1	9.1	-151.26	-275.7	-104.2	475.0	457.2	17.84	26.626		
4,300.0	4,244.4	4,277.2	4,261.0	13.4	9.3	-151.14	-284.7	-108.9	487.8	469.5	18.32	26.619		
4,400.0	4,342.7	4,376.4	4,359.6	13.8	9.6	-151.03	-293.7	-113.6	500.6	481.7	18.81	26.612		
4,500.0	4,441.1	4,475.6	4,458.3	14.2	9.8	-150.92	-302.7	-118.4	513.3	494.0	19.29	26.606		
4,600.0	4,539.4	4,574.8	4,557.0	14.5	10.1	-150.82	-311.8	-123.1	526.1	506.3	19.78	26.599		
4,700.0	4,637.7	4,673.9	4,655.6	14.9	10.3	-150.72	-320.8	-127.8	538.9	518.6	20.26	26.592		
4,800.0	4,736.1	4,773.1	4,754.3	15.3	10.6	-150.63	-329.8	-132.5	551.7	530.9	20.75	26.586		
4,900.0	4,834.4	4,872.3	4,852.9	15.6	10.8	-150.54	-338.8	-137.2	564.4	543.2	21.24	26.579		
5,000.0	4,932.8	4,971.5	4,951.6	16.0	11.1	-150.45	-347.8	-142.0	577.2	555.5	21.72	26.572		
5,100.0	5,031.1	5,070.7	5,050.2	16.4	11.3	-150.37	-356.8	-146.7	590.0	567.8	22.21	26.566		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4I-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,129.4	5,169.8	5,148.9	16.7	11.6	-150.29	-365.8	-151.4	602.8	580.1	22.70	26.560		
5,300.0	5,227.8	5,269.0	5,247.5	17.1	11.8	-150.22	-374.8	-156.1	615.6	592.4	23.18	26.553		
5,400.0	5,326.1	5,368.2	5,346.2	17.5	12.1	-150.15	-383.8	-160.8	628.3	604.7	23.67	26.547		
5,500.0	5,424.5	5,467.4	5,444.8	17.8	12.3	-150.08	-392.8	-165.5	641.1	617.0	24.16	26.541		
5,600.0	5,522.8	5,566.5	5,543.5	18.2	12.5	-150.01	-401.9	-170.3	653.9	629.3	24.64	26.535		
5,700.0	5,621.2	5,665.7	5,642.1	18.6	12.8	-149.95	-410.9	-175.0	666.7	641.6	25.13	26.529		
5,800.0	5,719.5	5,764.9	5,740.8	18.9	13.0	-149.89	-419.9	-179.7	679.5	653.9	25.62	26.523		
5,900.0	5,817.8	5,864.1	5,839.5	19.3	13.3	-149.83	-428.9	-184.4	692.3	666.2	26.11	26.518		
6,000.0	5,916.2	5,963.2	5,938.1	19.6	13.5	-149.77	-437.9	-189.1	705.1	678.5	26.59	26.512		
6,100.0	6,014.5	6,062.4	6,036.8	20.0	13.8	-149.72	-446.9	-193.9	717.9	690.8	27.08	26.507		
6,200.0	6,112.9	6,161.6	6,135.4	20.4	14.0	-149.66	-455.9	-198.6	730.6	703.1	27.57	26.501		
6,300.0	6,211.2	6,260.8	6,234.1	20.7	14.3	-149.61	-464.9	-203.3	743.4	715.4	28.06	26.496		
6,400.0	6,309.5	6,359.9	6,332.7	21.1	14.5	-149.56	-473.9	-208.0	756.2	727.7	28.55	26.491		
6,500.0	6,407.9	6,459.1	6,431.4	21.5	14.8	-149.52	-482.9	-212.7	769.0	740.0	29.04	26.486		
6,600.0	6,506.2	6,558.3	6,530.0	21.8	15.0	-149.47	-491.9	-217.5	781.8	752.3	29.52	26.481		
6,700.0	6,604.6	6,657.5	6,628.7	22.2	15.3	-149.43	-501.0	-222.2	794.6	764.6	30.01	26.476		
6,800.0	6,702.9	6,756.7	6,727.3	22.6	15.5	-149.38	-510.0	-226.9	807.4	776.9	30.50	26.471		
6,900.0	6,801.2	6,852.1	6,824.2	22.9	15.7	-149.34	-517.1	-232.4	819.7	788.8	30.91	26.466		
7,000.0	6,899.6	6,951.2	6,920.0	23.3	15.7	-151.44	-500.4	-238.1	828.8	798.1	30.69	27.005		
7,100.0	6,997.9	7,049.5	7,016.5	23.7	15.5	-154.59	-462.5	-242.6	835.9	806.0	29.95	27.908		
7,200.0	7,096.3	7,148.1	7,115.1	24.0	15.2	165.22	-414.7	-245.9	844.4	815.5	28.90	29.216		
7,300.0	7,193.7	7,245.2	7,212.5	24.2	14.9	125.86	-359.8	-248.4	856.2	828.4	27.80	30.799		
7,400.0	7,287.2	7,338.4	7,304.2	24.4	14.7	108.18	-299.8	-250.2	870.5	843.5	26.96	32.291		
7,500.0	7,374.0	7,425.5	7,390.8	24.5	14.4	98.06	-236.4	-251.5	886.4	859.9	26.49	33.466		
7,600.0	7,451.4	7,502.9	7,467.3	24.6	14.3	91.11	-170.6	-252.2	902.8	876.5	26.37	34.241		
7,700.0	7,517.1	7,568.0	7,532.2	24.7	14.2	85.94	-104.2	-252.5	918.8	892.3	26.47	34.709		
7,800.0	7,569.0	7,620.5	7,584.7	24.8	14.3	81.96	-35.4	-252.4	933.3	906.6	26.71	34.937		
7,900.0	7,605.7	7,657.8	7,621.5	25.0	14.4	78.98	32.5	-251.9	945.7	918.8	26.97	35.062		
8,000.0	7,625.9	7,678.4	7,641.5	25.3	14.7	76.85	120.1	-250.8	954.7	927.3	27.39	34.849		
8,100.0	7,630.0	7,682.2	7,644.0	25.6	15.3	76.35	219.9	-249.6	957.5	929.3	28.24	33.906		
8,200.0	7,630.0	7,682.2	7,644.0	26.1	16.0	76.36	319.9	-248.4	958.7	928.9	29.76	32.214		
8,300.0	7,630.0	7,682.2	7,644.0	26.6	16.9	76.38	419.9	-247.2	959.9	928.3	31.58	30.399		
8,400.0	7,630.0	7,682.2	7,644.0	27.3	17.9	76.40	519.8	-246.0	961.1	927.4	33.64	28.568		
8,500.0	7,630.0	7,682.2	7,644.0	28.0	19.0	76.42	619.8	-244.7	962.2	926.3	35.91	26.794		
8,600.0	7,630.0	7,682.2	7,644.0	28.8	20.2	76.43	719.8	-243.5	963.4	925.1	38.35	25.119		
8,700.0	7,630.0	7,682.2	7,644.0	29.8	21.5	76.45	819.8	-242.3	964.6	923.7	40.94	23.564		
8,800.0	7,630.0	7,682.2	7,644.0	30.7	22.8	76.47	919.8	-241.1	965.8	922.2	43.63	22.135		
8,900.0	7,630.0	7,682.2	7,644.0	31.8	24.2	76.48	1,019.8	-239.9	967.0	920.6	46.42	20.830		
9,000.0	7,630.0	7,682.2	7,644.0	32.9	25.6	76.50	1,119.8	-238.6	968.2	918.9	49.29	19.641		
9,100.0	7,630.0	7,682.2	7,644.0	34.1	27.1	76.52	1,219.7	-237.4	969.4	917.1	52.23	18.560		
9,200.0	7,630.0	7,682.2	7,644.0	35.3	28.6	76.53	1,319.7	-236.2	970.6	915.3	55.22	17.576		
9,300.0	7,630.0	7,682.2	7,644.0	36.6	30.1	76.55	1,419.7	-235.0	971.7	913.5	58.26	16.679		
9,400.0	7,630.0	7,682.2	7,644.0	37.9	31.7	76.57	1,519.7	-233.8	972.9	911.6	61.34	15.862		
9,500.0	7,630.0	7,682.2	7,644.0	39.2	33.3	76.58	1,619.7	-232.5	974.1	909.7	64.45	15.114		
9,600.0	7,630.0	7,682.2	7,644.0	40.6	34.9	76.60	1,719.7	-231.3	975.3	907.7	67.60	14.429		
9,700.0	7,630.0	7,682.2	7,644.0	42.0	36.5	76.62	1,819.7	-230.1	976.5	905.7	70.76	13.799		
9,800.0	7,630.0	7,682.2	7,644.0	43.4	38.1	76.63	1,919.6	-228.9	977.7	903.7	73.96	13.220		
9,900.0	7,630.0	7,682.2	7,644.0	44.9	39.7	76.65	2,019.6	-227.6	978.9	901.7	77.17	12.685		
10,000.0	7,630.0	7,682.2	7,644.0	46.3	41.4	76.67	2,119.6	-226.4	980.1	899.7	80.40	12.190		
10,100.0	7,630.0	7,682.2	7,644.0	47.8	43.0	76.68	2,219.6	-225.2	981.3	897.6	83.64	11.732		
10,200.0	7,630.0	7,682.2	7,644.0	49.3	44.7	76.70	2,319.6	-224.0	982.4	895.5	86.90	11.305		
10,300.0	7,630.0	7,682.2	7,644.0	50.8	46.3	76.72	2,419.6	-222.8	983.6	893.5	90.17	10.909		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4I-26H-P268 - HZ - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
10,400.0	7,630.0	10,226.1	7,405.0	52.4	48.0	76.73	2,519.6	-221.5	984.8	891.4	93.45	10.538	
10,500.0	7,630.0	10,326.1	7,405.0	53.9	49.7	76.75	2,619.5	-220.3	986.0	889.3	96.74	10.192	
10,600.0	7,630.0	10,426.0	7,405.0	55.5	51.4	76.76	2,719.5	-219.1	987.2	887.2	100.04	9.868	
10,700.0	7,630.0	10,526.0	7,405.0	57.1	53.1	76.78	2,819.5	-217.9	988.4	885.0	103.35	9.563	
10,800.0	7,630.0	10,626.0	7,405.0	58.7	54.8	76.80	2,919.5	-216.7	989.6	882.9	106.67	9.277	
10,900.0	7,630.0	10,726.0	7,405.0	60.2	56.5	76.81	3,019.5	-215.4	990.8	880.8	109.99	9.007	
11,000.0	7,630.0	10,826.0	7,405.0	61.9	58.2	76.83	3,119.5	-214.2	992.0	878.6	113.32	8.753	
11,100.0	7,630.0	10,926.0	7,405.0	63.5	59.9	76.85	3,219.4	-213.0	993.1	876.5	116.66	8.513	
11,200.0	7,630.0	11,026.0	7,405.0	65.1	61.6	76.86	3,319.4	-211.8	994.3	874.3	120.00	8.286	
11,300.0	7,630.0	11,126.0	7,405.0	66.7	63.3	76.88	3,419.4	-210.5	995.5	872.2	123.35	8.071	
11,400.0	7,630.0	11,226.0	7,405.0	68.3	65.0	76.89	3,519.4	-209.3	996.7	870.0	126.70	7.867	
11,500.0	7,630.0	11,326.0	7,405.0	70.0	66.7	76.91	3,619.4	-208.1	997.9	867.8	130.05	7.673	
11,600.0	7,630.0	11,426.0	7,405.0	71.6	68.4	76.93	3,719.4	-206.9	999.1	865.7	133.41	7.489	
14,100.0	7,630.0	13,924.6	7,405.0	113.6	111.6	76.81	6,217.8	-176.4	994.5	780.5	214.00	4.647	
14,200.0	7,630.0	14,024.2	7,405.0	115.3	113.4	76.68	6,317.4	-175.1	985.1	767.9	217.27	4.534	
14,300.0	7,630.0	14,123.7	7,405.0	117.0	115.1	76.55	6,416.9	-173.9	975.8	755.3	220.53	4.425	
14,400.0	7,630.0	14,223.2	7,405.0	118.7	116.8	76.42	6,516.4	-172.7	966.5	742.7	223.79	4.319	
14,500.0	7,630.0	14,322.8	7,405.0	120.3	118.6	76.28	6,616.0	-171.5	957.2	730.1	227.04	4.216	
14,600.0	7,630.0	14,337.4	7,405.0	122.0	118.8	76.26	6,630.6	-171.3	951.7	722.7	228.96	4.156	
14,603.7	7,630.0	14,337.4	7,405.0	122.1	118.8	76.26	6,630.6	-171.3	951.6	722.6	229.02	4.155	
14,700.0	7,630.0	14,337.4	7,405.0	123.7	118.8	76.26	6,630.6	-171.3	956.5	725.8	230.66	4.147 SF	
14,795.6	7,630.0	14,337.4	7,405.0	125.3	118.8	76.26	6,630.6	-171.3	970.8	738.5	232.28	4.179	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4J-26H-P268 - HZ - Plan #1														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	90.42	-0.4	50.1	50.1						
100.0	100.0	100.0	100.0	0.1	0.1	90.42	-0.4	50.1	50.1	49.8	0.24	210.952			
200.0	200.0	200.0	200.0	0.3	0.3	90.42	-0.4	50.1	50.1	49.5	0.59	85.385			
300.0	300.0	300.0	300.0	0.5	0.5	90.42	-0.4	50.1	50.1	49.1	0.94	53.525			
400.0	400.0	400.0	400.0	0.6	0.6	90.42	-0.4	50.1	50.1	48.8	1.28	38.980			
500.0	500.0	500.0	500.0	0.8	0.8	90.42	-0.4	50.1	50.1	48.4	1.63	30.651			
600.0	600.0	600.0	600.0	1.0	1.0	90.42	-0.4	50.1	50.1	48.1	1.98	25.255 CC, ES			
700.0	700.0	700.0	700.0	1.2	1.2	-161.14	-0.4	50.1	51.7	49.4	2.33	22.188			
800.0	799.8	799.8	799.8	1.4	1.3	-162.82	-0.4	50.1	56.7	54.0	2.68	21.172 SF			
900.0	899.5	899.5	899.5	1.6	1.5	-165.05	-0.4	50.1	65.1	62.1	3.02	21.528			
1,000.0	998.7	998.7	998.7	1.8	1.7	-167.34	-0.4	50.1	76.9	73.6	3.36	22.860			
1,100.0	1,097.5	1,097.5	1,097.5	2.1	1.9	-169.41	-0.4	50.1	92.3	88.5	3.70	24.918			
1,200.0	1,195.8	1,195.8	1,195.8	2.4	2.0	-170.28	-1.9	50.3	110.1	106.0	4.05	27.183			
1,300.0	1,294.2	1,294.1	1,294.0	2.7	2.2	-169.38	-6.8	51.2	128.0	123.6	4.41	29.036			
1,400.0	1,392.5	1,392.2	1,391.7	3.0	2.4	-167.42	-14.9	52.6	146.1	141.3	4.79	30.531			
1,500.0	1,490.8	1,490.4	1,489.5	3.4	2.6	-165.58	-23.8	54.2	164.4	159.3	5.18	31.760			
1,600.0	1,589.2	1,588.6	1,587.3	3.7	2.8	-164.11	-32.8	55.8	182.9	177.3	5.58	32.782			
1,700.0	1,687.5	1,686.8	1,685.0	4.1	3.0	-162.91	-41.7	57.3	201.4	195.5	5.99	33.637			
1,800.0	1,785.9	1,785.0	1,782.8	4.4	3.2	-161.91	-50.7	58.9	220.1	213.7	6.40	34.359			
1,900.0	1,884.2	1,883.2	1,880.6	4.8	3.4	-161.06	-59.6	60.5	238.7	231.9	6.83	34.973			
2,000.0	1,982.5	1,981.3	1,978.3	5.1	3.6	-160.34	-68.6	62.1	257.5	250.2	7.25	35.500			
2,100.0	2,080.9	2,079.5	2,076.1	5.5	3.9	-159.72	-77.5	63.6	276.2	268.5	7.68	35.956			
2,200.0	2,179.2	2,177.7	2,173.8	5.8	4.1	-159.18	-86.4	65.2	295.0	286.9	8.11	36.353			
2,300.0	2,277.6	2,275.9	2,271.6	6.2	4.3	-158.70	-95.4	66.8	313.8	305.2	8.55	36.701			
2,400.0	2,375.9	2,374.1	2,369.4	6.6	4.5	-158.27	-104.3	68.3	332.6	323.6	8.99	37.008			
2,500.0	2,474.3	2,472.3	2,467.1	6.9	4.7	-157.89	-113.3	69.9	351.4	342.0	9.43	37.280			
2,600.0	2,572.6	2,570.4	2,564.9	7.3	5.0	-157.55	-122.2	71.5	370.3	360.4	9.87	37.524			
2,700.0	2,670.9	2,668.6	2,662.7	7.6	5.2	-157.24	-131.1	73.1	389.2	378.8	10.31	37.742			
2,800.0	2,769.3	2,766.8	2,760.4	8.0	5.4	-156.97	-140.1	74.6	408.0	397.3	10.75	37.938			
2,900.0	2,867.6	2,865.0	2,858.2	8.4	5.6	-156.71	-149.0	76.2	426.9	415.7	11.20	38.116			
3,000.0	2,966.0	2,963.2	2,956.0	8.7	5.9	-156.48	-158.0	77.8	445.8	434.1	11.65	38.278			
3,100.0	3,064.3	3,061.4	3,053.7	9.1	6.1	-156.26	-166.9	79.3	464.7	452.6	12.09	38.426			
3,200.0	3,162.6	3,159.6	3,151.5	9.4	6.3	-156.07	-175.9	80.9	483.6	471.0	12.54	38.561			
3,300.0	3,261.0	3,257.7	3,249.3	9.8	6.5	-155.88	-184.8	82.5	502.5	489.5	12.99	38.685			
3,400.0	3,359.3	3,355.9	3,347.0	10.2	6.8	-155.72	-193.7	84.0	521.4	508.0	13.44	38.799			
3,500.0	3,457.7	3,454.1	3,444.8	10.5	7.0	-155.56	-202.7	85.6	540.3	526.4	13.89	38.904			
3,600.0	3,556.0	3,552.3	3,542.5	10.9	7.2	-155.41	-211.6	87.2	559.2	544.9	14.34	39.002			
3,700.0	3,654.3	3,650.5	3,640.3	11.3	7.5	-155.27	-220.6	88.8	578.1	563.3	14.79	39.093			
3,800.0	3,752.7	3,748.7	3,738.1	11.6	7.7	-155.15	-229.5	90.3	597.1	581.8	15.24	39.178			
3,900.0	3,851.0	3,846.8	3,835.8	12.0	7.9	-155.02	-238.4	91.9	616.0	600.3	15.69	39.256			
4,000.0	3,949.4	3,945.0	3,933.6	12.4	8.2	-154.91	-247.4	93.5	634.9	618.8	16.14	39.330			
4,100.0	4,047.7	4,043.2	4,031.4	12.7	8.4	-154.80	-256.3	95.0	653.8	637.2	16.60	39.399			
4,200.0	4,146.0	4,141.4	4,129.1	13.1	8.6	-154.70	-265.3	96.6	672.8	655.7	17.05	39.464			
4,300.0	4,244.4	4,239.6	4,226.9	13.4	8.8	-154.61	-274.2	98.2	691.7	674.2	17.50	39.525			
4,400.0	4,342.7	4,337.8	4,324.7	13.8	9.1	-154.52	-283.2	99.8	710.6	692.7	17.95	39.582			
4,500.0	4,441.1	4,436.0	4,422.4	14.2	9.3	-154.43	-292.1	101.3	729.6	711.2	18.41	39.637			
4,600.0	4,539.4	4,534.1	4,520.2	14.5	9.5	-154.35	-301.0	102.9	748.5	729.7	18.86	39.688			
4,700.0	4,637.7	4,632.3	4,618.0	14.9	9.8	-154.27	-310.0	104.5	767.5	748.1	19.31	39.736			
4,800.0	4,736.1	4,730.5	4,715.7	15.3	10.0	-154.20	-318.9	106.0	786.4	766.6	19.77	39.782			
4,900.0	4,834.4	4,828.7	4,813.5	15.6	10.2	-154.13	-327.9	107.6	805.3	785.1	20.22	39.825			
5,000.0	4,932.8	4,926.9	4,911.2	16.0	10.5	-154.06	-336.8	109.2	824.3	803.6	20.68	39.867			
5,100.0	5,031.1	5,025.1	5,009.0	16.4	10.7	-154.00	-345.7	110.8	843.2	822.1	21.13	39.906			

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													S26-T2N-R68W (Sullivan) - Sullivan 4J-26H-P268 - HZ - Plan #1		Offset Site Error:		0.0 ft
Survey Program: 0-Geolink MWD															Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
5,200.0	5,129.4	5,123.3	5,106.8	16.7	10.9	-153.94	-354.7	112.3	862.2	840.6	21.58	39.944					
5,300.0	5,227.8	5,221.4	5,204.5	17.1	11.2	-153.88	-363.6	113.9	881.1	859.1	22.04	39.979					
5,400.0	5,326.1	5,319.6	5,302.3	17.5	11.4	-153.82	-372.6	115.5	900.1	877.6	22.49	40.013					
5,500.0	5,424.5	5,417.8	5,400.1	17.8	11.6	-153.77	-381.5	117.0	919.0	896.1	22.95	40.046					
5,600.0	5,522.8	5,516.0	5,497.8	18.2	11.9	-153.72	-390.4	118.6	938.0	914.6	23.40	40.077					
5,700.0	5,621.2	5,614.2	5,595.6	18.6	12.1	-153.67	-399.4	120.2	956.9	933.1	23.86	40.107					
5,800.0	5,719.5	5,712.4	5,693.4	18.9	12.3	-153.62	-408.3	121.8	975.9	951.6	24.31	40.135					
5,900.0	5,817.8	5,810.5	5,791.1	19.3	12.5	-153.58	-417.3	123.3	994.8	970.1	24.77	40.163					



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4K-26H-P268 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
0.0	0.0	0.0	0.0	0.0	0.0	90.35	-0.4	60.1	60.1					
100.0	100.0	100.0	100.0	0.1	0.1	90.35	-0.4	60.1	60.1	59.9	0.24	253.376		
200.0	200.0	200.0	200.0	0.3	0.3	90.35	-0.4	60.1	60.1	59.6	0.59	102.557		
300.0	300.0	300.0	300.0	0.5	0.5	90.35	-0.4	60.1	60.1	59.2	0.94	64.289		
400.0	400.0	400.0	400.0	0.6	0.6	90.35	-0.4	60.1	60.1	58.9	1.28	46.820		
500.0	500.0	500.0	500.0	0.8	0.8	90.35	-0.4	60.1	60.1	58.5	1.63	36.815		
600.0	600.0	600.0	600.0	1.0	1.0	90.35	-0.4	60.1	60.1	58.2	1.98	30.334 CC, ES		
700.0	700.0	700.0	700.0	1.2	1.2	-161.10	-0.4	60.1	61.8	59.5	2.33	26.508		
800.0	799.8	799.8	799.8	1.4	1.3	-162.52	-0.4	60.1	66.8	64.1	2.68	24.930		
900.0	899.5	899.5	899.5	1.6	1.5	-164.48	-0.4	60.1	75.1	72.1	3.02	24.849 SF		
1,000.0	998.7	998.7	998.7	1.8	1.7	-166.57	-0.4	60.1	86.9	83.6	3.37	25.830		
1,100.0	1,097.5	1,096.6	1,096.6	2.1	1.9	-167.63	-1.9	60.7	102.6	98.9	3.70	27.696		
1,200.0	1,195.8	1,193.9	1,193.8	2.4	2.0	-167.12	-6.5	62.5	121.5	117.4	4.06	29.920		
1,300.0	1,294.2	1,291.0	1,290.5	2.7	2.2	-165.49	-14.1	65.4	141.3	136.9	4.43	31.865		
1,400.0	1,392.5	1,388.8	1,387.9	3.0	2.4	-163.91	-22.6	68.7	161.5	156.7	4.82	33.485		
1,500.0	1,490.8	1,486.7	1,485.3	3.4	2.6	-162.68	-31.2	72.0	181.8	176.6	5.22	34.822		
1,600.0	1,589.2	1,584.5	1,582.7	3.7	2.8	-161.70	-39.8	75.3	202.2	196.6	5.63	35.936		
1,700.0	1,687.5	1,682.4	1,680.1	4.1	3.0	-160.89	-48.3	78.6	222.6	216.6	6.04	36.874		
1,800.0	1,785.9	1,780.2	1,777.6	4.4	3.3	-160.23	-56.9	81.8	243.1	236.6	6.45	37.671		
1,900.0	1,884.2	1,878.1	1,875.0	4.8	3.5	-159.66	-65.4	85.1	263.5	256.7	6.87	38.354		
2,000.0	1,982.5	1,975.9	1,972.4	5.1	3.7	-159.18	-74.0	88.4	284.0	276.7	7.29	38.944		
2,100.0	2,080.9	2,073.8	2,069.8	5.5	3.9	-158.76	-82.5	91.7	304.6	296.8	7.72	39.459		
2,200.0	2,179.2	2,171.6	2,167.2	5.8	4.1	-158.40	-91.1	95.0	325.1	316.9	8.15	39.911		
2,300.0	2,277.6	2,269.5	2,264.7	6.2	4.4	-158.07	-99.7	98.3	345.6	337.1	8.57	40.310		
2,400.0	2,375.9	2,367.3	2,362.1	6.6	4.6	-157.79	-108.2	101.6	366.2	357.2	9.00	40.665		
2,500.0	2,474.3	2,465.2	2,459.5	6.9	4.8	-157.53	-116.8	104.9	386.7	377.3	9.44	40.983		
2,600.0	2,572.6	2,563.0	2,556.9	7.3	5.0	-157.30	-125.3	108.2	407.3	397.4	9.87	41.268		
2,700.0	2,670.9	2,660.9	2,654.3	7.6	5.3	-157.10	-133.9	111.4	427.9	417.6	10.30	41.526		
2,800.0	2,769.3	2,758.7	2,751.8	8.0	5.5	-156.91	-142.5	114.7	448.4	437.7	10.74	41.759		
2,900.0	2,867.6	2,856.6	2,849.2	8.4	5.7	-156.74	-151.0	118.0	469.0	457.8	11.17	41.972		
3,000.0	2,966.0	2,954.4	2,946.6	8.7	5.9	-156.58	-159.6	121.3	489.6	478.0	11.61	42.166		
3,100.0	3,064.3	3,052.3	3,044.0	9.1	6.2	-156.43	-168.1	124.6	510.2	498.1	12.05	42.345		
3,200.0	3,162.6	3,150.1	3,141.4	9.4	6.4	-156.30	-176.7	127.9	530.8	518.3	12.49	42.509		
3,300.0	3,261.0	3,248.0	3,238.9	9.8	6.6	-156.18	-185.3	131.2	551.4	538.4	12.92	42.660		
3,400.0	3,359.3	3,345.8	3,336.3	10.2	6.9	-156.06	-193.8	134.5	572.0	558.6	13.36	42.800		
3,500.0	3,457.7	3,443.7	3,433.7	10.5	7.1	-155.95	-202.4	137.7	592.6	578.8	13.80	42.931		
3,600.0	3,556.0	3,541.5	3,531.1	10.9	7.3	-155.85	-210.9	141.0	613.2	598.9	14.24	43.052		
3,700.0	3,654.3	3,639.4	3,628.5	11.3	7.6	-155.76	-219.5	144.3	633.8	619.1	14.68	43.164		
3,800.0	3,752.7	3,737.2	3,726.0	11.6	7.8	-155.67	-228.0	147.6	654.4	639.2	15.12	43.270		
3,900.0	3,851.0	3,835.1	3,823.4	12.0	8.0	-155.59	-236.6	150.9	675.0	659.4	15.56	43.369		
4,000.0	3,949.4	3,932.9	3,920.8	12.4	8.2	-155.52	-245.2	154.2	695.6	679.6	16.00	43.461		
4,100.0	4,047.7	4,030.8	4,018.2	12.7	8.5	-155.44	-253.7	157.5	716.2	699.7	16.45	43.549		
4,200.0	4,146.0	4,128.6	4,115.6	13.1	8.7	-155.37	-262.3	160.8	736.8	719.9	16.89	43.631		
4,300.0	4,244.4	4,226.5	4,213.1	13.4	8.9	-155.31	-270.8	164.1	757.4	740.1	17.33	43.708		
4,400.0	4,342.7	4,324.3	4,310.5	13.8	9.2	-155.25	-279.4	167.3	778.0	760.2	17.77	43.781		
4,500.0	4,441.1	4,422.2	4,407.9	14.2	9.4	-155.19	-288.0	170.6	798.6	780.4	18.21	43.850		
4,600.0	4,539.4	4,520.0	4,505.3	14.5	9.6	-155.13	-296.5	173.9	819.2	800.6	18.65	43.916		
4,700.0	4,637.7	4,617.9	4,602.7	14.9	9.9	-155.08	-305.1	177.2	839.8	820.7	19.10	43.978		
4,800.0	4,736.1	4,715.7	4,700.2	15.3	10.1	-155.03	-313.6	180.5	860.4	840.9	19.54	44.037		
4,900.0	4,834.4	4,813.6	4,797.6	15.6	10.3	-154.98	-322.2	183.8	881.0	861.1	19.98	44.093		
5,000.0	4,932.8	4,911.4	4,895.0	16.0	10.6	-154.94	-330.8	187.1	901.7	881.2	20.42	44.147		
5,100.0	5,031.1	5,009.3	4,992.4	16.4	10.8	-154.90	-339.3	190.4	922.3	901.4	20.87	44.198		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													S26-T2N-R68W (Sullivan) - Sullivan 4K-26H-P268 - HZ - Plan #1													Offset Site Error:		0.0 ft	
Survey Program:													0-Geolink MWD													Offset Well Error:		0.0 ft	
Reference				Offset				Semi Major Axis				Distance								Warning									
Measured Depth		Vertical Depth		Measured Depth		Vertical Depth		Reference		Offset		Highside Toolface		Offset Wellbore Centre		Between Centres		Between Ellipses						Total Uncertainty Axis		Separation Factor			
(ft)		(ft)		(ft)		(ft)		(ft)		(ft)		(°)		+N/-S (ft)		+E/-W (ft)		(ft)						(ft)					
5,200.0		5,129.4		5,107.1		5,089.8		16.7		11.0		-154.85		-347.9		193.6		942.9		921.6		21.31		44.247					
5,300.0		5,227.8		5,205.0		5,187.3		17.1		11.3		-154.81		-356.4		196.9		963.5		941.7		21.75		44.293					
5,400.0		5,326.1		5,302.8		5,284.7		17.5		11.5		-154.78		-365.0		200.2		984.1		961.9		22.20		44.338					

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - Sullivan 4L-26H-P268 - HZ - Plan #2													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	90.57	-0.7	69.9	69.9					
100.0	100.0	100.0	100.0	0.1	0.1	90.57	-0.7	69.9	69.9	69.7	0.24	294.632		
200.0	200.0	200.0	200.0	0.3	0.3	90.57	-0.7	69.9	69.9	69.3	0.59	119.256		
300.0	300.0	300.0	300.0	0.5	0.5	90.57	-0.7	69.9	69.9	69.0	0.94	74.757		
400.0	400.0	400.0	400.0	0.6	0.6	90.57	-0.7	69.9	69.9	68.7	1.28	54.443		
500.0	500.0	500.0	500.0	0.8	0.8	90.57	-0.7	69.9	69.9	68.3	1.63	42.810		
600.0	600.0	600.0	600.0	1.0	1.0	90.57	-0.7	69.9	69.9	68.0	1.98	35.273 CC, ES		
700.0	700.0	700.0	700.0	1.2	1.2	-160.82	-0.7	69.9	71.6	69.3	2.33	30.707		
800.0	799.8	799.8	799.8	1.4	1.3	-162.07	-0.7	69.9	76.5	73.9	2.68	28.581		
900.0	899.5	899.5	899.5	1.6	1.5	-163.84	-0.7	69.9	84.9	81.9	3.02	28.073 SF		
1,000.0	998.7	998.7	998.7	1.8	1.7	-165.79	-0.7	69.9	96.6	93.3	3.37	28.710		
1,100.0	1,097.5	1,095.1	1,095.1	2.1	1.9	-167.01	-1.8	71.1	112.9	109.2	3.70	30.493		
1,200.0	1,195.8	1,190.3	1,190.2	2.4	2.0	-167.08	-5.1	74.5	133.6	129.6	4.05	32.989		
1,300.0	1,294.2	1,284.6	1,284.1	2.7	2.2	-166.25	-10.5	80.1	156.5	152.1	4.41	35.478		
1,400.0	1,392.5	1,379.1	1,378.1	3.0	2.4	-164.91	-18.0	87.8	181.4	176.6	4.79	37.897		
1,500.0	1,490.8	1,475.8	1,474.0	3.4	2.6	-163.73	-26.1	96.1	206.7	201.6	5.17	39.960		
1,600.0	1,589.2	1,572.4	1,570.0	3.7	2.8	-162.81	-34.1	104.4	232.2	226.6	5.57	41.703		
1,700.0	1,687.5	1,669.1	1,665.9	4.1	3.1	-162.07	-42.2	112.7	257.7	251.7	5.97	43.188		
1,800.0	1,785.9	1,765.7	1,761.9	4.4	3.3	-161.46	-50.2	121.0	283.2	276.8	6.37	44.466		
1,900.0	1,884.2	1,862.4	1,857.8	4.8	3.5	-160.96	-58.3	129.3	308.7	301.9	6.77	45.574		
2,000.0	1,982.5	1,959.0	1,953.8	5.1	3.8	-160.53	-66.4	137.7	334.3	327.1	7.18	46.543		
2,100.0	2,080.9	2,055.7	2,049.7	5.5	4.0	-160.16	-74.4	146.0	359.8	352.2	7.59	47.397		
2,200.0	2,179.2	2,152.3	2,145.7	5.8	4.3	-159.84	-82.5	154.3	385.4	377.4	8.00	48.153		
2,300.0	2,277.6	2,249.0	2,241.6	6.2	4.5	-159.56	-90.6	162.6	411.0	402.6	8.42	48.829		
2,400.0	2,375.9	2,345.6	2,337.6	6.6	4.8	-159.32	-98.6	170.9	436.6	427.8	8.83	49.434		
2,500.0	2,474.3	2,442.3	2,433.6	6.9	5.0	-159.10	-106.7	179.2	462.2	453.0	9.25	49.980		
2,600.0	2,572.6	2,538.9	2,529.5	7.3	5.3	-158.90	-114.8	187.6	487.8	478.2	9.67	50.474		
2,700.0	2,670.9	2,635.6	2,625.5	7.6	5.5	-158.72	-122.8	195.9	513.5	503.4	10.08	50.924		
2,800.0	2,769.3	2,732.3	2,721.4	8.0	5.8	-158.56	-130.9	204.2	539.1	528.6	10.50	51.335		
2,900.0	2,867.6	2,828.9	2,817.4	8.4	6.1	-158.42	-139.0	212.5	564.7	553.8	10.92	51.711		
3,000.0	2,966.0	2,925.6	2,913.3	8.7	6.3	-158.29	-147.0	220.8	590.3	579.0	11.34	52.058		
3,100.0	3,064.3	3,022.2	3,009.3	9.1	6.6	-158.17	-155.1	229.1	616.0	604.2	11.76	52.377		
3,200.0	3,162.6	3,118.9	3,105.2	9.4	6.8	-158.05	-163.1	237.5	641.6	629.4	12.18	52.673		
3,300.0	3,261.0	3,215.5	3,201.2	9.8	7.1	-157.95	-171.2	245.8	667.2	654.6	12.60	52.947		
3,400.0	3,359.3	3,312.2	3,297.1	10.2	7.3	-157.85	-179.3	254.1	692.9	679.9	13.02	53.202		
3,500.0	3,457.7	3,408.8	3,393.1	10.5	7.6	-157.77	-187.3	262.4	718.5	705.1	13.45	53.440		
3,600.0	3,556.0	3,505.5	3,489.1	10.9	7.9	-157.68	-195.4	270.7	744.2	730.3	13.87	53.663		
3,700.0	3,654.3	3,602.1	3,585.0	11.3	8.1	-157.61	-203.5	279.0	769.8	755.5	14.29	53.871		
3,800.0	3,752.7	3,698.8	3,681.0	11.6	8.4	-157.53	-211.5	287.4	795.5	780.7	14.71	54.066		
3,900.0	3,851.0	3,795.4	3,776.9	12.0	8.6	-157.46	-219.6	295.7	821.1	806.0	15.14	54.250		
4,000.0	3,949.4	3,892.1	3,872.9	12.4	8.9	-157.40	-227.7	304.0	846.8	831.2	15.56	54.423		
4,100.0	4,047.7	3,988.7	3,968.8	12.7	9.2	-157.34	-235.7	312.3	872.4	856.4	15.98	54.586		
4,200.0	4,146.0	4,085.4	4,064.8	13.1	9.4	-157.28	-243.8	320.6	898.0	881.6	16.41	54.741		
4,300.0	4,244.4	4,182.0	4,160.7	13.4	9.7	-157.23	-251.9	328.9	923.7	906.9	16.83	54.887		
4,400.0	4,342.7	4,278.7	4,256.7	13.8	9.9	-157.18	-259.9	337.3	949.3	932.1	17.25	55.025		
4,500.0	4,441.1	4,375.3	4,352.6	14.2	10.2	-157.13	-268.0	345.6	975.0	957.3	17.68	55.157		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 6-8-26 - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 165-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)				
2,600.0	2,572.6	2,817.7	2,738.2	7.3	12.2	8.74	-286.7	-1,259.7	999.9	986.9	12.95	77.210		
2,700.0	2,670.9	2,910.2	2,827.3	7.6	12.7	7.84	-299.4	-1,238.3	962.3	948.7	13.55	71.030		
2,800.0	2,769.3	2,999.5	2,913.3	8.0	13.1	6.93	-311.4	-1,217.8	925.0	910.8	14.15	65.379		
2,900.0	2,867.6	3,092.2	3,002.9	8.4	13.6	5.98	-322.8	-1,196.8	888.0	873.3	14.75	60.212		
3,000.0	2,966.0	3,190.2	3,097.4	8.7	14.1	4.86	-335.1	-1,174.0	850.8	835.4	15.41	55.199		
3,100.0	3,064.3	3,278.7	3,182.9	9.1	14.5	3.83	-345.3	-1,153.3	813.5	797.5	16.03	50.752		
3,200.0	3,162.6	3,365.5	3,266.7	9.4	15.0	2.66	-356.4	-1,133.9	777.6	760.9	16.68	46.631		
3,300.0	3,261.0	3,477.1	3,374.5	9.8	15.5	1.17	-368.1	-1,107.7	740.5	723.1	17.44	42.467		
3,400.0	3,359.3	3,576.7	3,470.4	10.2	16.0	-0.31	-378.0	-1,082.5	702.1	683.9	18.19	38.590		
3,500.0	3,457.7	3,671.8	3,561.6	10.5	16.5	-1.96	-387.8	-1,057.6	663.3	644.3	18.98	34.946		
3,600.0	3,556.0	3,742.4	3,629.6	10.9	16.9	-3.30	-395.1	-1,039.7	625.8	606.2	19.65	31.852		
3,700.0	3,654.3	3,815.4	3,700.1	11.3	17.2	-4.86	-404.2	-1,023.6	592.3	572.0	20.38	29.063		
3,800.0	3,752.7	3,897.9	3,780.1	11.6	17.6	-6.84	-415.8	-1,006.8	561.7	540.5	21.23	26.459		
3,900.0	3,851.0	3,985.9	3,866.1	12.0	17.9	-8.85	-426.1	-991.2	533.2	511.2	22.07	24.161		
4,000.0	3,949.4	4,076.2	3,955.0	12.4	18.2	-10.72	-434.0	-977.3	506.1	483.2	22.86	22.138		
4,100.0	4,047.7	4,165.7	4,043.4	12.7	18.5	-12.51	-440.5	-965.4	480.6	456.9	23.62	20.344		
4,200.0	4,146.0	4,255.0	4,132.0	13.1	18.7	-14.23	-446.0	-955.3	456.7	432.4	24.36	18.752		
4,300.0	4,244.4	4,343.7	4,220.2	13.4	18.9	-15.91	-451.0	-947.3	434.9	409.8	25.07	17.351		
4,400.0	4,342.7	4,437.4	4,313.5	13.8	19.1	-17.62	-455.8	-941.1	415.0	389.3	25.78	16.099		
4,500.0	4,441.1	4,534.7	4,410.5	14.2	19.3	-19.42	-460.0	-935.2	395.6	369.1	26.51	14.926		
4,600.0	4,539.4	4,631.4	4,507.1	14.5	19.4	-21.06	-462.6	-930.8	376.8	349.6	27.17	13.865		
4,700.0	4,637.7	4,728.3	4,603.9	14.9	19.5	-22.61	-464.1	-927.6	358.4	330.6	27.81	12.887		
4,800.0	4,736.1	4,826.3	4,702.0	15.3	19.6	-24.21	-465.1	-924.9	340.4	312.0	28.46	11.964		
4,900.0	4,834.4	4,926.4	4,801.9	15.6	19.8	-25.89	-465.4	-922.5	322.4	293.3	29.11	11.073		
5,000.0	4,932.8	5,026.6	4,902.1	16.0	19.9	-27.73	-465.0	-919.7	303.9	274.1	29.81	10.195		
5,100.0	5,031.1	5,123.6	4,999.1	16.4	20.0	-29.71	-464.0	-916.7	285.2	254.7	30.52	9.345		
5,200.0	5,129.4	5,216.9	5,092.4	16.7	20.0	-31.67	-463.5	-915.3	268.1	236.9	31.20	8.593		
5,300.0	5,227.8	5,313.7	5,189.2	17.1	20.1	-33.70	-463.2	-915.6	252.7	220.8	31.89	7.925		
5,400.0	5,326.1	5,413.1	5,288.6	17.5	20.2	-35.96	-462.6	-916.1	237.5	204.9	32.62	7.282		
5,500.0	5,424.5	5,511.9	5,387.4	17.8	20.2	-38.47	-461.6	-916.5	222.4	189.0	33.38	6.663		
5,600.0	5,522.8	5,610.5	5,486.0	18.2	20.3	-41.28	-460.5	-917.0	207.6	173.5	34.18	6.076		
5,700.0	5,621.2	5,708.3	5,583.7	18.6	20.4	-44.68	-459.7	-916.9	193.5	158.4	35.07	5.518		
5,800.0	5,719.5	5,806.0	5,681.4	18.9	20.5	-49.04	-459.8	-915.7	180.6	144.6	36.02	5.013		
5,900.0	5,817.8	5,905.0	5,780.4	19.3	20.6	-53.83	-459.5	-915.1	168.7	131.8	36.88	4.574		
6,000.0	5,916.2	6,004.0	5,879.5	19.6	20.6	-58.69	-458.3	-916.0	157.5	119.9	37.60	4.189		
6,100.0	6,014.5	6,102.9	5,978.3	20.0	20.7	-63.93	-456.6	-917.6	147.2	109.1	38.18	3.857		
6,200.0	6,112.9	6,202.0	6,077.3	20.4	20.7	-69.67	-454.5	-919.8	138.0	99.5	38.56	3.580		
6,300.0	6,211.2	6,301.0	6,176.3	20.7	20.8	-76.08	-452.0	-922.1	130.0	91.3	38.68	3.361		
6,400.0	6,309.5	6,399.6	6,274.9	21.1	20.8	-83.13	-449.3	-924.6	123.6	85.1	38.46	3.214		
6,500.0	6,407.9	6,498.2	6,373.4	21.5	20.8	-90.72	-446.7	-927.3	119.2	81.4	37.83	3.151 SF		
6,600.0	6,506.2	6,596.8	6,471.9	21.8	20.9	-98.79	-444.0	-929.8	117.1	80.3	36.79	3.183 ES		
6,633.8	6,539.4	6,630.0	6,505.1	22.0	20.9	-101.58	-443.0	-930.6	117.0	80.6	36.36	3.217 CC		
6,700.0	6,604.6	6,695.1	6,570.2	22.2	20.9	-107.08	-441.1	-932.0	117.6	82.1	35.43	3.318		
6,800.0	6,702.9	6,793.3	6,668.3	22.6	21.0	-115.25	-438.3	-934.0	120.7	86.7	33.96	3.555		
6,900.0	6,801.2	6,891.2	6,766.1	22.9	21.1	-122.93	-435.6	-935.6	126.5	93.9	32.60	3.882		
7,000.0	6,899.6	6,988.8	6,863.7	23.3	21.1	-129.87	-433.0	-936.6	135.0	103.5	31.53	4.283		
7,100.0	6,997.9	7,086.9	6,961.7	23.7	21.2	-135.96	-430.5	-937.3	145.7	114.9	30.79	4.732		
7,200.0	7,096.3	7,185.2	7,060.0	24.0	21.3	-176.96	-428.2	-938.0	159.2	129.0	30.19	5.272		
7,300.0	7,193.7	7,282.9	7,157.6	24.2	21.4	147.80	-426.0	-938.6	178.8	148.8	29.97	5.965		
7,400.0	7,287.2	7,376.5	7,251.2	24.4	21.4	137.54	-424.1	-939.2	205.5	175.7	29.79	6.897		
7,500.0	7,374.0	7,461.8	7,336.6	24.5	21.5	135.50	-422.8	-939.3	242.7	213.5	29.17	8.320		
7,600.0	7,451.4	7,537.4	7,412.1	24.6	21.6	135.24	-422.3	-938.9	292.8	264.9	27.87	10.505		

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 Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S26-T2N-R68W (Sullivan) - SULLIVAN 6-8-26 - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 165-Geolink MWD													Offset Well Error: 0.0 ft	
Reference				Offset			Semi Major Axis		Distance				Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,700.0	7,517.1	7,602.4	7,477.1	24.7	21.7	134.10	-422.1	-938.4	355.9	329.7	26.22	13.575		
7,800.0	7,569.0	7,653.5	7,528.3	24.8	21.8	130.17	-422.0	-938.0	430.5	405.4	25.15	17.117		
7,900.0	7,605.7	7,689.3	7,564.1	25.0	21.8	121.42	-422.0	-937.6	514.2	488.2	26.02	19.762		
8,000.0	7,625.9	7,709.1	7,583.8	25.3	21.8	105.14	-422.1	-937.4	604.1	575.2	28.87	20.927		
8,100.0	7,630.0	7,713.0	7,587.7	25.6	21.8	89.13	-422.1	-937.4	697.0	666.8	30.16	23.108		
8,200.0	7,630.0	7,712.8	7,587.5	26.1	21.8	89.09	-422.1	-937.4	791.5	760.5	30.94	25.582		
8,300.0	7,630.0	7,712.6	7,587.4	26.6	21.8	89.05	-422.1	-937.4	887.2	855.3	31.87	27.840		
8,400.0	7,630.0	7,712.4	7,587.2	27.3	21.8	89.00	-422.1	-937.4	983.7	950.8	32.92	29.879		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Sullivan 4E-26H-P268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	Well @ 4996.0ft
<b>Reference Site:</b>	S26-T2N-R68W (Sullivan)	<b>MD Reference:</b>	Well @ 4996.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Sullivan 4E-26H-P268	<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 #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to Well @ 4996.0ft

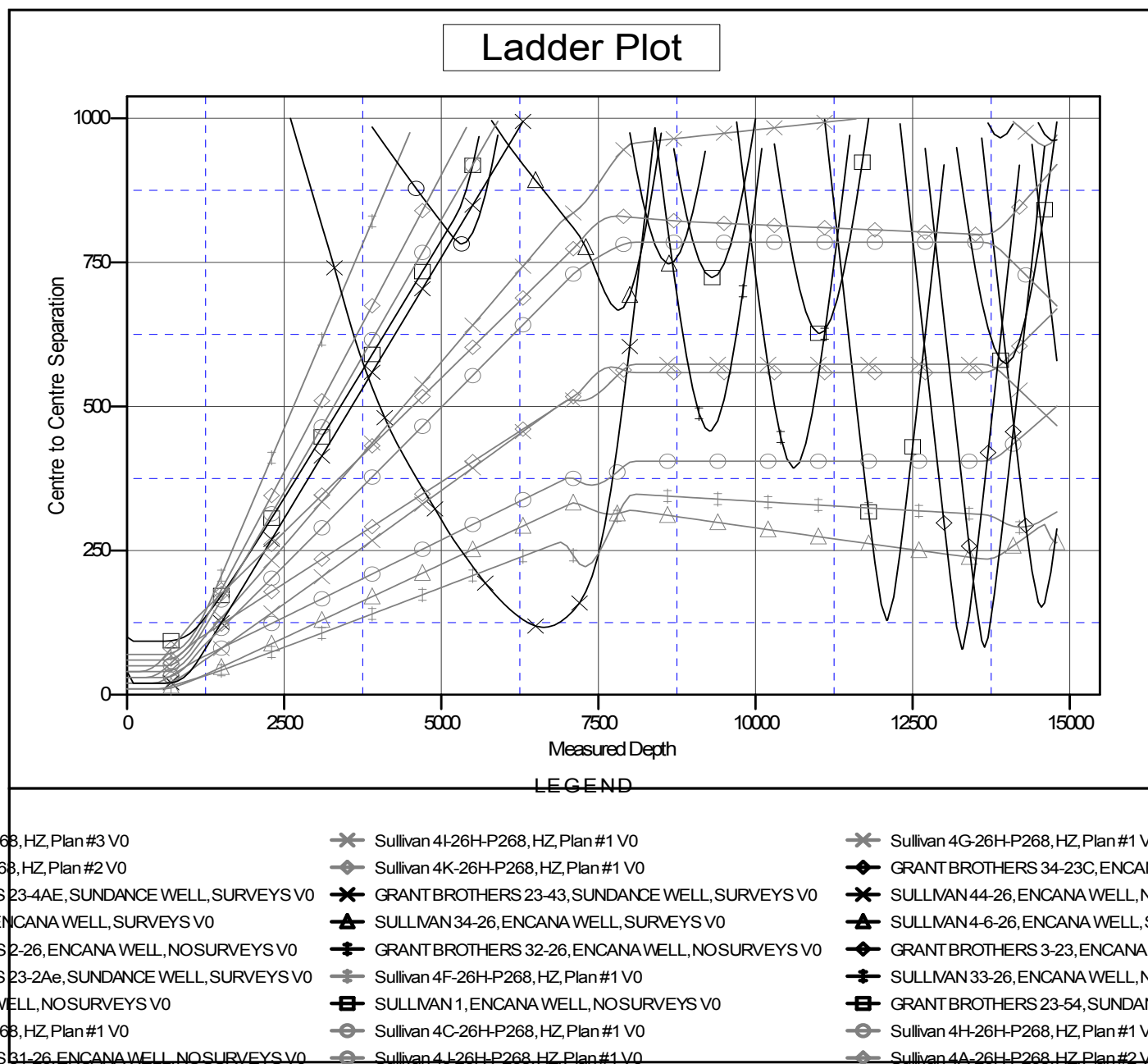
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Sullivan 4E-26H-P268

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.35°



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