



## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

<b>Project</b>	DJ Wattenberg		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Northern Zone		

Site		S22-T2N-R68W (Jillson-East Rinn)			
Site Position:		Northing:	1,289,542.88 ft	Latitude:	40.127030
From:	Lat/Long	Easting:	3,144,231.14 ft	Longitude:	-104.984230
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.33 °

Well	Jillson-East Rinn 3E-22H-N268					
Well Position	+N/-S	0.0 ft	Northing:	1,286,092.69 ft	Latitude:	40.117590
	+E/-W	0.0 ft	Easting:	3,142,271.11 ft	Longitude:	-104.991310
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,975.0 ft

<b>Wellbore</b>	Hz				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	7/9/2013	8.68	66.71	52,740

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

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
757.0	5.57	248.68	756.1	-9.8	-25.2	1.00	1.00	0.00	248.68	
6,810.7	5.57	248.68	6,781.3	-223.5	-572.6	0.00	0.00	0.00	0.00	
7,730.9	90.00	0.00	7,372.0	349.1	-626.3	10.00	9.17	12.10	111.23	
15,100.9	90.00	0.00	7,372.0	7,719.1	-626.3	0.00	0.00	0.00	0.00	Jillson-East Rinn 3E-↑

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<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200'
300.0	1.00	248.68	300.0	-0.3	-0.8	-0.3	1.00	1.00	
350.0	1.50	248.68	350.0	-0.7	-1.8	-0.7	1.00	1.00	Fox Hills - BASE
400.0	2.00	248.68	400.0	-1.3	-3.3	-1.3	1.00	1.00	
500.0	3.00	248.68	499.9	-2.9	-7.3	-2.9	1.00	1.00	
600.0	4.00	248.68	599.7	-5.1	-13.0	-5.1	1.00	1.00	
700.0	5.00	248.68	699.4	-7.9	-20.3	-7.9	1.00	1.00	
757.0	5.57	248.68	756.1	-9.8	-25.2	-9.8	1.00	1.00	EOB; Inc=5.57°
800.0	5.57	248.68	798.9	-11.4	-29.1	-11.4	0.00	0.00	
900.0	5.57	248.68	898.4	-14.9	-38.1	-14.9	0.00	0.00	
1,000.0	5.57	248.68	998.0	-18.4	-47.2	-18.4	0.00	0.00	
1,100.0	5.57	248.68	1,097.5	-21.9	-56.2	-21.9	0.00	0.00	
1,200.0	5.57	248.68	1,197.0	-25.5	-65.3	-25.5	0.00	0.00	
1,300.0	5.57	248.68	1,296.6	-29.0	-74.3	-29.0	0.00	0.00	
1,400.0	5.57	248.68	1,396.1	-32.5	-83.3	-32.5	0.00	0.00	
1,500.0	5.57	248.68	1,495.6	-36.1	-92.4	-36.1	0.00	0.00	
1,600.0	5.57	248.68	1,595.1	-39.6	-101.4	-39.6	0.00	0.00	
1,700.0	5.57	248.68	1,694.7	-43.1	-110.5	-43.1	0.00	0.00	
1,800.0	5.57	248.68	1,794.2	-46.6	-119.5	-46.6	0.00	0.00	
1,900.0	5.57	248.68	1,893.7	-50.2	-128.6	-50.2	0.00	0.00	
2,000.0	5.57	248.68	1,993.3	-53.7	-137.6	-53.7	0.00	0.00	
2,100.0	5.57	248.68	2,092.8	-57.2	-146.6	-57.2	0.00	0.00	
2,200.0	5.57	248.68	2,192.3	-60.8	-155.7	-60.8	0.00	0.00	
2,300.0	5.57	248.68	2,291.8	-64.3	-164.7	-64.3	0.00	0.00	
2,400.0	5.57	248.68	2,391.4	-67.8	-173.8	-67.8	0.00	0.00	
2,500.0	5.57	248.68	2,490.9	-71.4	-182.8	-71.4	0.00	0.00	
2,600.0	5.57	248.68	2,590.4	-74.9	-191.9	-74.9	0.00	0.00	
2,700.0	5.57	248.68	2,689.9	-78.4	-200.9	-78.4	0.00	0.00	
2,800.0	5.57	248.68	2,789.5	-81.9	-209.9	-81.9	0.00	0.00	
2,900.0	5.57	248.68	2,889.0	-85.5	-219.0	-85.5	0.00	0.00	
3,000.0	5.57	248.68	2,988.5	-89.0	-228.0	-89.0	0.00	0.00	
3,100.0	5.57	248.68	3,088.1	-92.5	-237.1	-92.5	0.00	0.00	
3,200.0	5.57	248.68	3,187.6	-96.1	-246.1	-96.1	0.00	0.00	
3,300.0	5.57	248.68	3,287.1	-99.6	-255.1	-99.6	0.00	0.00	
3,400.0	5.57	248.68	3,386.6	-103.1	-264.2	-103.1	0.00	0.00	
3,500.0	5.57	248.68	3,486.2	-106.6	-273.2	-106.6	0.00	0.00	
3,600.0	5.57	248.68	3,585.7	-110.2	-282.3	-110.2	0.00	0.00	
3,700.0	5.57	248.68	3,685.2	-113.7	-291.3	-113.7	0.00	0.00	
3,800.0	5.57	248.68	3,784.8	-117.2	-300.4	-117.2	0.00	0.00	
3,900.0	5.57	248.68	3,884.3	-120.8	-309.4	-120.8	0.00	0.00	
4,000.0	5.57	248.68	3,983.8	-124.3	-318.4	-124.3	0.00	0.00	
4,100.0	5.57	248.68	4,083.3	-127.8	-327.5	-127.8	0.00	0.00	
4,200.0	5.57	248.68	4,182.9	-131.3	-336.5	-131.3	0.00	0.00	
4,300.0	5.57	248.68	4,282.4	-134.9	-345.6	-134.9	0.00	0.00	
4,400.0	5.57	248.68	4,381.9	-138.4	-354.6	-138.4	0.00	0.00	
4,400.1	5.57	248.68	4,382.0	-138.4	-354.6	-138.4	0.00	0.00	Sussex
4,500.0	5.57	248.68	4,481.4	-141.9	-363.7	-141.9	0.00	0.00	
4,600.0	5.57	248.68	4,581.0	-145.5	-372.7	-145.5	0.00	0.00	
4,646.2	5.57	248.68	4,627.0	-147.1	-376.9	-147.1	0.00	0.00	Sussex Marker
4,700.0	5.57	248.68	4,680.5	-149.0	-381.7	-149.0	0.00	0.00	

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<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,800.0	5.57	248.68	4,780.0	-152.5	-390.8	-152.5	0.00	0.00	
4,900.0	5.57	248.68	4,879.6	-156.1	-399.8	-156.1	0.00	0.00	
4,928.6	5.57	248.68	4,908.0	-157.1	-402.4	-157.1	0.00	0.00	Shannon
5,000.0	5.57	248.68	4,979.1	-159.6	-408.9	-159.6	0.00	0.00	
5,100.0	5.57	248.68	5,078.6	-163.1	-417.9	-163.1	0.00	0.00	
5,200.0	5.57	248.68	5,178.1	-166.6	-427.0	-166.6	0.00	0.00	
5,300.0	5.57	248.68	5,277.7	-170.2	-436.0	-170.2	0.00	0.00	
5,400.0	5.57	248.68	5,377.2	-173.7	-445.0	-173.7	0.00	0.00	
5,500.0	5.57	248.68	5,476.7	-177.2	-454.1	-177.2	0.00	0.00	
5,600.0	5.57	248.68	5,576.3	-180.8	-463.1	-180.8	0.00	0.00	
5,700.0	5.57	248.68	5,675.8	-184.3	-472.2	-184.3	0.00	0.00	
5,800.0	5.57	248.68	5,775.3	-187.8	-481.2	-187.8	0.00	0.00	
5,900.0	5.57	248.68	5,874.8	-191.3	-490.2	-191.3	0.00	0.00	
6,000.0	5.57	248.68	5,974.4	-194.9	-499.3	-194.9	0.00	0.00	
6,100.0	5.57	248.68	6,073.9	-198.4	-508.3	-198.4	0.00	0.00	
6,200.0	5.57	248.68	6,173.4	-201.9	-517.4	-201.9	0.00	0.00	
6,300.0	5.57	248.68	6,272.9	-205.5	-526.4	-205.5	0.00	0.00	
6,400.0	5.57	248.68	6,372.5	-209.0	-535.5	-209.0	0.00	0.00	
6,500.0	5.57	248.68	6,472.0	-212.5	-544.5	-212.5	0.00	0.00	
6,528.1	5.57	248.68	6,500.0	-213.5	-547.0	-213.5	0.00	0.00	Teepee Buttes (*if present)
6,600.0	5.57	248.68	6,571.5	-216.0	-553.5	-216.0	0.00	0.00	
6,700.0	5.57	248.68	6,671.1	-219.6	-562.6	-219.6	0.00	0.00	
6,800.0	5.57	248.68	6,770.6	-223.1	-571.6	-223.1	0.00	0.00	
6,810.7	5.57	248.68	6,781.3	-223.5	-572.6	-223.5	0.00	0.00	Start build/turn @ 6781' MD
6,900.0	8.63	323.24	6,870.0	-219.7	-580.7	-219.7	10.00	3.43	
7,000.0	17.66	343.42	6,967.3	-199.1	-589.5	-199.1	10.00	9.03	
7,100.0	27.37	349.89	7,059.6	-161.8	-597.9	-161.8	10.00	9.70	
7,200.0	37.22	353.13	7,144.0	-109.0	-605.6	-109.0	10.00	9.85	
7,292.6	46.39	355.04	7,213.0	-47.7	-611.8	-47.7	10.00	9.91	Sharon Springs
7,300.0	47.13	355.16	7,218.1	-42.3	-612.3	-42.3	10.00	9.92	
7,400.0	57.06	356.63	7,279.4	36.3	-617.9	36.3	10.00	9.93	
7,435.9	60.63	357.07	7,298.0	66.9	-619.5	66.9	10.00	9.94	Niobrara
7,500.0	67.01	357.79	7,326.3	124.4	-622.1	124.4	10.00	9.95	
7,600.0	76.96	358.79	7,357.2	219.3	-624.9	219.3	10.00	9.95	
7,623.5	79.30	359.02	7,362.0	242.3	-625.4	242.3	10.00	9.96	B Chalk
7,700.0	86.92	359.72	7,371.2	318.2	-626.2	318.2	10.00	9.96	
7,730.9	90.00	0.00	7,372.0	349.1	-626.3	349.1	10.00	9.96	LP @ 7372' TVD; 90°
7,800.0	90.00	0.00	7,372.0	418.2	-626.3	418.2	0.00	0.00	
7,900.0	90.00	0.00	7,372.0	518.2	-626.3	518.2	0.00	0.00	
8,000.0	90.00	0.00	7,372.0	618.2	-626.3	618.2	0.00	0.00	
8,100.0	90.00	0.00	7,372.0	718.2	-626.3	718.2	0.00	0.00	
8,200.0	90.00	0.00	7,372.0	818.2	-626.3	818.2	0.00	0.00	
8,300.0	90.00	0.00	7,372.0	918.2	-626.3	918.2	0.00	0.00	
8,400.0	90.00	0.00	7,372.0	1,018.2	-626.3	1,018.2	0.00	0.00	
8,500.0	90.00	0.00	7,372.0	1,118.2	-626.3	1,118.2	0.00	0.00	
8,600.0	90.00	0.00	7,372.0	1,218.2	-626.3	1,218.2	0.00	0.00	
8,700.0	90.00	0.00	7,372.0	1,318.2	-626.3	1,318.2	0.00	0.00	
8,800.0	90.00	0.00	7,372.0	1,418.2	-626.3	1,418.2	0.00	0.00	
8,900.0	90.00	0.00	7,372.0	1,518.2	-626.3	1,518.2	0.00	0.00	
9,000.0	90.00	0.00	7,372.0	1,618.2	-626.3	1,618.2	0.00	0.00	
9,100.0	90.00	0.00	7,372.0	1,718.2	-626.3	1,718.2	0.00	0.00	
9,200.0	90.00	0.00	7,372.0	1,818.2	-626.3	1,818.2	0.00	0.00	

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<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,300.0	90.00	0.00	7,372.0	1,918.2	-626.3	1,918.2	0.00	0.00	
9,400.0	90.00	0.00	7,372.0	2,018.2	-626.3	2,018.2	0.00	0.00	
9,500.0	90.00	0.00	7,372.0	2,118.2	-626.3	2,118.2	0.00	0.00	
9,600.0	90.00	0.00	7,372.0	2,218.2	-626.3	2,218.2	0.00	0.00	
9,700.0	90.00	0.00	7,372.0	2,318.2	-626.3	2,318.2	0.00	0.00	
9,800.0	90.00	0.00	7,372.0	2,418.2	-626.3	2,418.2	0.00	0.00	
9,900.0	90.00	0.00	7,372.0	2,518.2	-626.3	2,518.2	0.00	0.00	
10,000.0	90.00	0.00	7,372.0	2,618.2	-626.3	2,618.2	0.00	0.00	
10,100.0	90.00	0.00	7,372.0	2,718.2	-626.3	2,718.2	0.00	0.00	
10,200.0	90.00	0.00	7,372.0	2,818.2	-626.3	2,818.2	0.00	0.00	
10,300.0	90.00	0.00	7,372.0	2,918.2	-626.3	2,918.2	0.00	0.00	
10,400.0	90.00	0.00	7,372.0	3,018.2	-626.3	3,018.2	0.00	0.00	
10,500.0	90.00	0.00	7,372.0	3,118.2	-626.3	3,118.2	0.00	0.00	
10,600.0	90.00	0.00	7,372.0	3,218.2	-626.3	3,218.2	0.00	0.00	
10,700.0	90.00	0.00	7,372.0	3,318.2	-626.3	3,318.2	0.00	0.00	
10,800.0	90.00	0.00	7,372.0	3,418.2	-626.3	3,418.2	0.00	0.00	
10,900.0	90.00	0.00	7,372.0	3,518.2	-626.3	3,518.2	0.00	0.00	
11,000.0	90.00	0.00	7,372.0	3,618.2	-626.3	3,618.2	0.00	0.00	
11,100.0	90.00	0.00	7,372.0	3,718.2	-626.3	3,718.2	0.00	0.00	
11,200.0	90.00	0.00	7,372.0	3,818.2	-626.3	3,818.2	0.00	0.00	
11,300.0	90.00	0.00	7,372.0	3,918.2	-626.3	3,918.2	0.00	0.00	
11,400.0	90.00	0.00	7,372.0	4,018.2	-626.3	4,018.2	0.00	0.00	
11,500.0	90.00	0.00	7,372.0	4,118.2	-626.3	4,118.2	0.00	0.00	
11,600.0	90.00	0.00	7,372.0	4,218.2	-626.3	4,218.2	0.00	0.00	
11,700.0	90.00	0.00	7,372.0	4,318.2	-626.3	4,318.2	0.00	0.00	
11,800.0	90.00	0.00	7,372.0	4,418.2	-626.3	4,418.2	0.00	0.00	
11,900.0	90.00	0.00	7,372.0	4,518.2	-626.3	4,518.2	0.00	0.00	
12,000.0	90.00	0.00	7,372.0	4,618.2	-626.3	4,618.2	0.00	0.00	
12,100.0	90.00	0.00	7,372.0	4,718.2	-626.3	4,718.2	0.00	0.00	
12,200.0	90.00	0.00	7,372.0	4,818.2	-626.3	4,818.2	0.00	0.00	
12,300.0	90.00	0.00	7,372.0	4,918.2	-626.3	4,918.2	0.00	0.00	
12,400.0	90.00	0.00	7,372.0	5,018.2	-626.3	5,018.2	0.00	0.00	
12,500.0	90.00	0.00	7,372.0	5,118.2	-626.3	5,118.2	0.00	0.00	
12,600.0	90.00	0.00	7,372.0	5,218.2	-626.3	5,218.2	0.00	0.00	
12,700.0	90.00	0.00	7,372.0	5,318.2	-626.3	5,318.2	0.00	0.00	
12,800.0	90.00	0.00	7,372.0	5,418.2	-626.3	5,418.2	0.00	0.00	
12,900.0	90.00	0.00	7,372.0	5,518.2	-626.3	5,518.2	0.00	0.00	
13,000.0	90.00	0.00	7,372.0	5,618.2	-626.3	5,618.2	0.00	0.00	
13,100.0	90.00	0.00	7,372.0	5,718.2	-626.3	5,718.2	0.00	0.00	
13,200.0	90.00	0.00	7,372.0	5,818.2	-626.3	5,818.2	0.00	0.00	
13,300.0	90.00	0.00	7,372.0	5,918.2	-626.3	5,918.2	0.00	0.00	
13,400.0	90.00	0.00	7,372.0	6,018.2	-626.3	6,018.2	0.00	0.00	
13,500.0	90.00	0.00	7,372.0	6,118.2	-626.3	6,118.2	0.00	0.00	
13,600.0	90.00	0.00	7,372.0	6,218.2	-626.3	6,218.2	0.00	0.00	
13,700.0	90.00	0.00	7,372.0	6,318.2	-626.3	6,318.2	0.00	0.00	
13,800.0	90.00	0.00	7,372.0	6,418.2	-626.3	6,418.2	0.00	0.00	
13,900.0	90.00	0.00	7,372.0	6,518.2	-626.3	6,518.2	0.00	0.00	
14,000.0	90.00	0.00	7,372.0	6,618.2	-626.3	6,618.2	0.00	0.00	
14,100.0	90.00	0.00	7,372.0	6,718.2	-626.3	6,718.2	0.00	0.00	
14,200.0	90.00	0.00	7,372.0	6,818.2	-626.3	6,818.2	0.00	0.00	
14,300.0	90.00	0.00	7,372.0	6,918.2	-626.3	6,918.2	0.00	0.00	
14,400.0	90.00	0.00	7,372.0	7,018.2	-626.3	7,018.2	0.00	0.00	

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #1		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
14,500.0	90.00	0.00	7,372.0	7,118.2	-626.3	7,118.2	0.00	0.00	
14,600.0	90.00	0.00	7,372.0	7,218.2	-626.3	7,218.2	0.00	0.00	
14,700.0	90.00	0.00	7,372.0	7,318.2	-626.3	7,318.2	0.00	0.00	
14,800.0	90.00	0.00	7,372.0	7,418.2	-626.3	7,418.2	0.00	0.00	
14,900.0	90.00	0.00	7,372.0	7,518.2	-626.3	7,518.2	0.00	0.00	
15,000.0	90.00	0.00	7,372.0	7,618.2	-626.3	7,618.2	0.00	0.00	
15,100.0	90.00	0.00	7,372.0	7,718.2	-626.3	7,718.2	0.00	0.00	
15,100.9	90.00	0.00	7,372.0	7,719.1	-626.3	7,719.1	0.00	0.00	TD at 15100.9 - Jillson-East Rinn 3E-N268 PBH

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Jillson-East Rinn 3E-N268	0.00	0.00	7,372.0	7,719.1	-626.3	1,293,808.08	3,141,600.57	40.138780	-104.993550
- plan hits target center									
- Point									

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
350.0	350.0	Fox Hills - BASE			
4,400.1	4,382.0	Sussex			
4,646.2	4,627.0	Sussex Marker			
4,928.6	4,908.0	Shannon			
6,528.1	6,500.0	Teepee Buttes (*if present)			
7,292.6	7,213.0	Sharon Springs			
7,435.9	7,298.0	Niobrara			
7,623.5	7,362.0	B Chalk			

### Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment
200.0	200.0	0.0	0.0	KOP @ 200'
757.0	756.1	-9.8	-25.2	EOB; Inc=5.57°
6,810.7	6,781.3	-223.5	-572.6	Start build/turn @ 6781' MD
7,730.9	7,372.0	349.1	-626.3	LP @ 7372' TVD; 90°
15,100.9	7,372.0	7,719.1	-626.3	TD at 15100.9

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

**DJ Wattenberg**

**S22-T2N-R68W (Jillson-East Rinn)**

**Jillson-East Rinn 3E-22H-N268**

**Hz**

**Plan #1**

## **Anticollision Report**

**10 July, 2013**

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	Plan #1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD Interval 100.0ft	<b>Error Model:</b>	Systematic Ellipse
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 500.0ft	<b>Error Surface:</b>	Elliptical Conic
<b>Warning Levels Evaluated at:</b>	2.00 Sigma		

<b>Survey Tool Program</b>		<b>Date</b>	7/10/2013		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	15,100.9	Plan #1 (Hz)	Geolink MWD	Geolink MWD	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
<b>Offset Well - Wellbore - Design</b>						
S22-T2N-R68W (Jillson-East Rinn)						
ANDERSON 23-22 (EXISTING) - ENCANA WELL - NO S						Out of range
ANDERSON 31-22 (EXISTING) - KERR-MCGEE WELL						Out of range
BLISS 41-21 (EXISTING) - KPK WELL - SURVEYS						Out of range
EARL ANDERSON 1 (EXISTING) - KPK WELL - NO SUR						Out of range
EARL ANDERSON 2 (EXISTING) - KPK WELL - NO SUR						Out of range
EARL ANDERSON B 1 (EXISTING) - KPK WELL - NO S						Out of range
EAST RINN 13-15 (EXISTING) - ENCANA WELL - SURV						Out of range
EAST RINN 15-12 (EXISTING) AL - VESSELS WELL - N						Out of range
EAST RINN 15-14 (EXISTING) AL - VESSELS WELL - N	13,095.9	7,252.0	490.4	375.0	4.251	CC
EAST RINN 15-14 (EXISTING) AL - VESSELS WELL - N	13,100.0	7,252.0	490.4	375.0	4.248	ES, SF
EAST RINN 23-15 (EXISTING) - ENCANA WELL - SURV						Out of range
EAST RINN 24-15 (EXISTING) - ENCANA WELL - SURV						Out of range
EAST RINN 2-4-15 (EXISTING) - ENCANA WELL - SUR	15,063.8	7,413.4	83.7	-66.8	0.556	Level 1, CC, ES, SF
EAST RINN 2-8-15 (EXISTING) - ENCANA WELL - SUR	12,556.7	7,852.8	207.2	71.8	1.531	CC, ES, SF
EAST RINN 3-6-15 (EXISTING) - ENCANA WELL - SUR	13,661.2	7,450.5	310.2	173.7	2.272	CC, ES, SF
EAST RINN H UNIT 1 (EXISTING) - ENCANA WELL - N						Out of range
HALEY 1-22 (EXISTING) - ENCANA WELL - NO SURVE						Out of range
Haley 31-22 - DD - Plan #1						Out of range
Haley 4-2-22 - DD - Plan #1						Out of range
Haley 8-4-22 - DD - Plan #1						Out of range
JILLSON 0-6-22 (EXISTING) - ENCANA WELL - SURVE						Out of range
JILLSON 11-22 (EXISTING) - ENCANA WELL - NO SUR						Out of range
JILLSON 1-22 (EXISTING) - ENCANA WELL - NO SURV	11,460.0	7,268.0	187.5	100.5	2.156	CC, ES, SF
JILLSON 12-22 (EXISTING) - ENCANA WELL - NO SUR						Out of range
JILLSON 14-22 (EXISTING) - ENCANA WELL - NO SUR						Out of range
JILLSON 21-22 (EXISTING) - ENCANA WELL - NO SUR						Out of range
JILLSON 22-22 (EXISTING) - ENCANA WELL - NO SUR	10,343.4	7,304.0	452.9	385.0	6.673	CC, ES
JILLSON 22-22 (EXISTING) - ENCANA WELL - NO SUR	10,400.0	7,304.0	456.4	387.6	6.631	SF
JILLSON 2-8-22 (EXISTING) - ENCANA WELL - SURVE	7,200.0	7,242.6	259.2	228.0	8.313	SF
JILLSON 2-8-22 (EXISTING) - ENCANA WELL - SURVE	7,217.8	7,256.7	258.9	227.9	8.344	CC, ES
JILLSON 3 (EXISTING) - FOUNDATION WELL - NO SU						Out of range
JILLSON 4-6-22 (EXISTING) - ENCANA WELL - SURVE						Out of range
JILLSON 4-8-22 (EXISTING) - ENCANA WELL - SURVE						Out of range
JILLSON 6 (EXISTING) - FOUNDATION WELL - NO SU	200.0	172.0	409.6	409.0	676.162	CC
JILLSON 6 (EXISTING) - FOUNDATION WELL - NO SU	400.0	372.0	410.1	408.8	313.012	ES
JILLSON 6 (EXISTING) - FOUNDATION WELL - NO SU	2,900.0	2,861.0	496.8	485.8	44.865	SF
JILLSON GAS UNIT 1 (EXISTING) - ENCANA WELL - N	8,120.6	7,334.0	172.9	140.7	5.371	CC, ES, SF
Jillson-East Rinn 3A-22H-M268 - Hz - Plan #1						Out of range
Jillson-East Rinn 3B-22H-M268 - Hz - Plan #1						Out of range
Jillson-East Rinn 3C-22H-M268 - Hz - Plan #1	13,417.4	13,372.2	498.4	283.8	2.323	CC
Jillson-East Rinn 3C-22H-M268 - Hz - Plan #1	13,500.0	13,449.7	498.7	281.3	2.294	ES, SF
Jillson-East Rinn 3D-22H-M268 - Hz - Plan #1	7,271.7	7,276.6	360.2	333.4	13.435	CC
Jillson-East Rinn 3D-22H-M268 - Hz - Plan #1	15,100.9	15,292.5	374.3	153.8	1.697	ES, SF
Jillson-East Rinn 3F-22H-N268 - Hz - Plan #1	200.0	200.0	8.4	7.8	13.735	CC, ES
Jillson-East Rinn 3F-22H-N268 - Hz - Plan #1	15,100.9	15,295.5	411.4	175.8	1.746	SF
Jillson-East Rinn 3G-22H-N268 - Hz - Plan #1	200.0	200.0	19.6	19.0	32.048	CC, ES
Jillson-East Rinn 3G-22H-N268 - Hz - Plan #1	500.0	499.9	27.0	25.4	16.308	SF
Jillson-East Rinn 3H-22H-N268 - Hz - Plan #1	200.0	200.0	30.8	30.2	50.361	CC, ES
Jillson-East Rinn 3H-22H-N268 - Hz - Plan #1	600.0	599.0	44.8	42.8	22.317	SF
NYGREN 12-22 (EXISTING) - KERR-MCGEE WELL - N						Out of range

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

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b>		S22-T2N-R68W (Jillson-East Rinn) - EAST RINN 15-14 (EXISTING) AL - VESSELS WELL - NO SURVE										<b>Offset Site Error:</b>	0.0 ft
<b>Survey Program:</b>		7570-Geolink MWD										<b>Offset Well Error:</b>	0.0 ft
<b>Reference</b>		<b>Offset</b>		<b>Semi Major Axis</b>		<b>Distance</b>							
<b>Measured Depth</b>	<b>Vertical Depth</b>	<b>Measured Depth</b>	<b>Vertical Depth</b>	<b>Reference</b>	<b>Offset</b>	<b>Highside Toolface</b>	<b>Offset Wellbore Centre</b>	<b>Between Centres</b>	<b>Between Ellipses</b>	<b>Total Uncertainty</b>	<b>Separation Factor</b>	<b>Warning</b>	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis		
13,000.0	7,372.0	7,252.0	7,252.0	101.6	12.7	90.00	5,714.1	-135.9	499.7	386.0	113.69	4.395	
13,095.9	7,372.0	7,252.0	7,252.0	103.3	12.7	90.00	5,714.1	-135.9	490.4	375.0	115.36	4.251 CC	
13,100.0	7,372.0	7,252.0	7,252.0	103.4	12.7	90.00	5,714.1	-135.9	490.4	375.0	115.43	4.248 ES, SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - EAST RINN 2-4-15 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 106-Geolink MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor	
14,600.0	7,372.0	7,421.8	7,266.3	129.4	23.5	-94.05	7,681.9	-710.1	471.2	329.2	141.99	3.319	
14,700.0	7,372.0	7,420.1	7,264.6	131.1	23.5	-92.87	7,681.9	-710.1	373.3	229.3	143.93	2.593	
14,800.0	7,372.0	7,418.3	7,262.8	132.9	23.5	-91.66	7,681.9	-710.0	276.7	130.9	145.81	1.898	
14,900.0	7,372.0	7,416.5	7,261.0	134.6	23.5	-90.41	7,682.0	-710.0	183.9	36.3	147.63	1.246	Level 2
15,000.0	7,372.0	7,414.6	7,259.1	136.4	23.5	-89.12	7,682.0	-709.9	105.2	-44.2	149.39	0.704	Level 1
15,063.8	7,372.0	7,413.4	7,257.9	137.5	23.5	-88.28	7,682.0	-709.9	83.7	-66.8	150.48	0.556	Level 1, CC, ES, SF
15,100.0	7,372.0	7,412.7	7,257.2	138.1	23.5	-87.80	7,682.0	-709.9	91.1	-59.9	151.08	0.603	Level 1
15,100.9	7,372.0	7,412.7	7,257.2	138.1	23.5	-87.79	7,682.0	-709.9	91.5	-59.6	151.09	0.606	Level 1

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - EAST RINN 2-8-15 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 136-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		
12,200.0	7,372.0	7,845.0	7,251.5	87.8	47.0	-87.54	5,174.7	-833.4	412.5	283.4	129.06	3.196		
12,300.0	7,372.0	7,847.2	7,253.7	89.5	47.0	-88.16	5,174.8	-833.4	329.9	199.0	130.84	2.521		
12,400.0	7,372.0	7,849.4	7,255.9	91.3	47.0	-88.77	5,174.8	-833.4	259.8	127.2	132.60	1.959		
12,500.0	7,372.0	7,851.6	7,258.1	93.0	47.0	-89.37	5,174.9	-833.5	214.8	80.5	134.36	1.599		
12,556.7	7,372.0	7,852.8	7,259.4	94.0	47.0	-89.71	5,174.9	-833.5	207.2	71.8	135.34	1.531	CC, ES, SF	
12,600.0	7,372.0	7,853.8	7,260.3	94.7	47.0	-89.97	5,174.9	-833.5	211.7	75.6	136.10	1.555		
12,700.0	7,372.0	7,855.9	7,262.4	96.4	47.0	-90.56	5,175.0	-833.5	251.9	114.1	137.82	1.828		
12,800.0	7,372.0	7,858.0	7,264.6	98.2	47.0	-91.15	5,175.0	-833.5	319.5	180.0	139.54	2.290		
12,900.0	7,372.0	7,860.2	7,266.7	99.9	47.0	-91.74	5,175.1	-833.5	400.9	259.7	141.23	2.838		
13,000.0	7,372.0	7,862.3	7,268.8	101.6	47.0	-92.32	5,175.1	-833.5	489.2	346.3	142.92	3.423		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - EAST RINN 3-6-15 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 136-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
13,300.0	7,372.0	7,449.6	7,259.6	106.8	26.7	89.85	6,279.4	-316.1	476.1	345.9	130.21	3.656	
13,400.0	7,372.0	7,449.8	7,259.8	108.6	26.7	89.89	6,279.4	-316.1	405.5	273.5	131.96	3.073	
13,500.0	7,372.0	7,450.1	7,260.1	110.3	26.7	89.94	6,279.4	-316.1	349.6	215.9	133.70	2.615	
13,600.0	7,372.0	7,450.3	7,260.3	112.0	26.7	89.99	6,279.4	-316.1	316.2	180.7	135.44	2.334	
13,661.2	7,372.0	7,450.5	7,260.5	113.1	26.7	90.02	6,279.4	-316.1	310.2	173.7	136.51	2.272 CC, ES, SF	
13,700.0	7,372.0	7,450.6	7,260.6	113.8	26.7	90.03	6,279.4	-316.1	312.6	175.4	137.18	2.279	
13,800.0	7,372.0	7,450.9	7,260.8	115.5	26.7	90.08	6,279.4	-316.1	339.8	200.9	138.93	2.446	
13,900.0	7,372.0	7,451.1	7,261.1	117.2	26.7	90.13	6,279.4	-316.1	391.5	250.8	140.67	2.783	
14,000.0	7,372.0	7,451.4	7,261.4	119.0	26.7	90.18	6,279.4	-316.1	459.4	316.9	142.42	3.226	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 1-22 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 8376-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	
11,000.0	7,372.0	7,268.0	7,268.0	67.3	12.7	90.00	4,078.1	-438.7	496.7	417.6	79.06	6.282	
11,100.0	7,372.0	7,268.0	7,268.0	69.0	12.7	90.00	4,078.1	-438.7	405.9	325.1	80.79	5.024	
11,200.0	7,372.0	7,268.0	7,268.0	70.7	12.7	90.00	4,078.1	-438.7	320.5	238.0	82.51	3.885	
11,300.0	7,372.0	7,268.0	7,268.0	72.4	12.7	90.00	4,078.1	-438.7	246.5	162.2	84.24	2.926	
11,400.0	7,372.0	7,268.0	7,268.0	74.1	12.7	90.00	4,078.1	-438.7	196.9	110.9	85.96	2.290	
11,460.0	7,372.0	7,268.0	7,268.0	75.1	12.7	90.00	4,078.1	-438.7	187.5	100.5	87.00	2.156	CC, ES, SF
11,500.0	7,372.0	7,268.0	7,268.0	75.8	12.7	90.00	4,078.1	-438.7	191.8	104.1	87.69	2.187	
11,600.0	7,372.0	7,268.0	7,268.0	77.5	12.7	90.00	4,078.1	-438.7	234.1	144.6	89.42	2.618	
11,700.0	7,372.0	7,268.0	7,268.0	79.2	12.7	90.00	4,078.1	-438.7	304.6	213.5	91.15	3.342	
11,800.0	7,372.0	7,268.0	7,268.0	80.9	12.7	90.00	4,078.1	-438.7	388.3	295.5	92.88	4.181	
11,900.0	7,372.0	7,268.0	7,268.0	82.7	12.7	90.00	4,078.1	-438.7	478.3	383.7	94.61	5.056	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 22-22 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:		0.0 ft	
Survey Program: 8112-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)						
10,200.0	7,372.0	7,304.0	7,304.0	53.8	12.7	90.00	2,961.6	-173.4	475.1	409.6	65.42	7.261				
10,300.0	7,372.0	7,304.0	7,304.0	55.5	12.7	90.00	2,961.6	-173.4	455.0	387.8	67.13	6.778				
10,343.4	7,372.0	7,304.0	7,304.0	56.2	12.7	90.00	2,961.6	-173.4	452.9	385.0	67.87	6.673 CC, ES				
10,400.0	7,372.0	7,304.0	7,304.0	57.2	12.7	90.00	2,961.6	-173.4	456.4	387.6	68.83	6.631 SF				
10,500.0	7,372.0	7,304.0	7,304.0	58.8	12.7	90.00	2,961.6	-173.4	479.2	408.7	70.54	6.793				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 2-8-22 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 73-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)						
2,900.0	2,889.0	2,950.5	2,875.1	6.5	11.7	51.29	162.0	-651.2	498.0	480.4	17.64	28.228		
3,000.0	2,988.5	3,051.9	2,972.5	6.8	12.2	48.90	137.1	-663.8	490.9	472.6	18.34	26.772		
3,100.0	3,088.1	3,153.3	3,070.2	7.0	12.7	46.51	112.3	-675.5	483.9	464.9	19.01	25.449		
3,200.0	3,187.6	3,249.1	3,162.1	7.3	13.3	44.05	87.8	-686.8	477.5	457.9	19.66	24.295		
3,300.0	3,287.1	3,342.7	3,251.8	7.5	13.7	41.53	63.6	-698.6	472.8	452.5	20.25	23.344		
3,400.0	3,386.6	3,438.8	3,344.0	7.8	14.2	38.97	39.5	-711.2	469.8	449.0	20.82	22.565		
3,500.0	3,486.2	3,537.0	3,438.4	8.0	14.7	36.43	15.6	-723.6	467.6	446.2	21.35	21.901		
3,588.9	3,574.6	3,619.9	3,518.2	8.2	15.2	34.34	-4.0	-734.3	466.7	445.0	21.77	21.438		
3,600.0	3,585.7	3,630.0	3,528.0	8.2	15.2	34.09	-6.3	-735.7	466.7	444.9	21.82	21.389		
3,700.0	3,685.2	3,725.3	3,619.8	8.5	15.7	31.79	-27.7	-748.9	467.9	445.6	22.26	21.019		
3,800.0	3,784.8	3,841.0	3,731.9	8.7	16.2	29.20	-52.5	-763.3	468.6	445.9	22.70	20.643		
3,858.1	3,842.6	3,893.9	3,783.5	8.9	16.4	28.12	-63.2	-768.8	468.3	445.4	22.90	20.446		
3,900.0	3,884.3	3,932.7	3,821.3	9.0	16.6	27.38	-70.5	-773.1	468.5	445.4	23.05	20.324		
4,000.0	3,983.8	4,038.9	3,925.5	9.2	16.9	25.67	-88.1	-784.1	468.7	445.3	23.38	20.042		
4,100.0	4,083.3	4,144.1	4,029.3	9.5	17.3	24.37	-102.4	-793.2	467.7	444.0	23.71	19.726		
4,200.0	4,182.9	4,246.9	4,131.1	9.7	17.6	23.34	-114.5	-801.2	466.1	442.1	24.03	19.398		
4,300.0	4,282.4	4,349.5	4,232.9	9.9	17.8	22.49	-125.1	-808.4	464.0	439.6	24.33	19.067		
4,400.0	4,381.9	4,447.5	4,330.3	10.2	18.0	21.96	-132.9	-815.1	461.7	437.1	24.63	18.745		
4,500.0	4,481.4	4,555.0	4,437.4	10.4	18.2	21.72	-138.6	-821.9	458.9	434.0	24.94	18.398		
4,600.0	4,581.0	4,656.4	4,538.6	10.7	18.4	21.60	-143.2	-827.2	455.1	429.9	25.27	18.014		
4,700.0	4,680.5	4,761.6	4,643.6	10.9	18.6	21.59	-147.0	-832.3	451.0	425.4	25.59	17.626		
4,800.0	4,780.0	4,868.9	4,750.9	11.2	18.7	21.82	-149.0	-835.5	444.9	419.0	25.91	17.173		
4,900.0	4,879.6	4,973.6	4,855.5	11.4	18.8	22.27	-149.4	-837.3	437.6	411.4	26.24	16.675		
5,000.0	4,979.1	5,072.8	4,954.7	11.7	18.8	22.85	-148.6	-838.5	429.8	403.2	26.58	16.169		
5,100.0	5,078.6	5,171.8	5,053.7	11.9	18.9	23.52	-147.4	-839.8	422.2	395.3	26.94	15.673		
5,200.0	5,178.1	5,270.9	5,152.7	12.1	19.0	24.22	-146.2	-841.2	414.8	387.5	27.30	15.193		
5,300.0	5,277.7	5,370.9	5,252.8	12.4	19.1	24.93	-145.0	-842.7	407.5	379.9	27.67	14.729		
5,400.0	5,377.2	5,472.1	5,353.9	12.6	19.1	25.73	-143.5	-843.9	400.0	372.0	28.04	14.265		
5,500.0	5,476.7	5,571.2	5,453.0	12.9	19.2	26.57	-141.8	-844.8	392.3	363.9	28.42	13.804		
5,600.0	5,576.3	5,669.5	5,551.3	13.1	19.3	27.43	-140.3	-846.0	385.1	356.2	28.81	13.367		
5,700.0	5,675.8	5,768.7	5,650.5	13.4	19.4	28.31	-138.8	-847.4	378.1	348.9	29.20	12.948		
5,800.0	5,775.3	5,867.9	5,749.7	13.6	19.4	29.20	-137.4	-849.0	371.3	341.7	29.60	12.544		
5,900.0	5,874.8	5,966.9	5,848.6	13.8	19.5	30.06	-136.4	-850.7	364.7	334.7	30.00	12.155		
6,000.0	5,974.4	6,066.4	5,948.1	14.1	19.6	30.87	-135.8	-852.7	358.4	328.0	30.40	11.788		
6,100.0	6,073.9	6,166.6	6,048.3	14.3	19.7	31.73	-135.2	-854.5	352.0	321.2	30.80	11.428		
6,200.0	6,173.4	6,266.7	6,148.3	14.6	19.8	32.68	-134.3	-856.2	345.6	314.4	31.21	11.072		
6,300.0	6,272.9	6,366.7	6,248.3	14.8	19.9	33.72	-133.1	-857.7	339.2	307.5	31.63	10.722		
6,400.0	6,372.5	6,467.6	6,349.2	15.1	20.0	34.80	-131.9	-859.0	332.6	300.5	32.07	10.373		
6,500.0	6,472.0	6,568.2	6,449.8	15.3	20.1	35.87	-131.2	-859.9	325.8	293.3	32.50	10.025		
6,600.0	6,571.5	6,667.8	6,549.4	15.5	20.2	36.99	-130.4	-860.8	318.9	286.0	32.93	9.685		
6,700.0	6,671.1	6,767.5	6,649.1	15.8	20.3	38.18	-129.5	-861.5	312.2	278.8	33.37	9.356		
6,800.0	6,770.6	6,867.4	6,749.0	16.0	20.4	39.44	-128.6	-862.2	305.5	271.7	33.82	9.035		
6,900.0	6,870.0	6,967.1	6,848.8	16.2	20.5	-35.47	-127.8	-862.8	296.7	262.9	33.84	8.767		
7,000.0	6,967.3	7,064.9	6,946.5	16.4	20.6	-59.84	-127.3	-863.3	283.1	249.9	33.21	8.523		
7,100.0	7,059.6	7,157.6	7,039.2	16.5	20.7	-74.13	-126.8	-863.8	268.2	236.0	32.20	8.331		
7,200.0	7,144.0	7,242.6	7,124.2	16.5	20.8	-87.47	-126.4	-864.2	259.2	228.0	31.18	8.313 SF		
7,217.8	7,158.0	7,256.7	7,138.3	16.6	20.8	-89.74	-126.3	-864.2	258.9	227.9	31.03	8.344 CC, ES		
7,300.0	7,218.1	7,317.4	7,199.0	16.7	20.8	-99.27	-125.9	-864.4	265.6	235.2	30.40	8.736		
7,400.0	7,279.4	7,379.6	7,261.2	16.9	20.9	-107.49	-125.5	-864.5	295.0	265.0	29.98	9.838		
7,500.0	7,326.3	7,427.4	7,309.0	17.2	21.0	-110.73	-125.2	-864.5	347.9	317.7	30.23	11.511		
7,600.0	7,357.2	7,459.1	7,340.7	17.7	21.0	-107.75	-125.0	-864.5	419.5	387.9	31.56	13.292		

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 Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 6 (EXISTING) - FOUNDATION WELL - NO SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 5060-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	-14.23	397.1	-100.7	410.6					
100.0	100.0	72.0	72.0	0.1	0.1	-14.23	397.1	-100.7	409.6	409.4	0.26	1,595.393		
200.0	200.0	172.0	172.0	0.3	0.3	-14.23	397.1	-100.7	409.6	409.0	0.61	676.162 CC		
300.0	300.0	272.0	272.0	0.5	0.5	97.21	397.1	-100.7	409.7	408.8	0.96	428.680		
400.0	400.0	372.0	372.0	0.7	0.6	97.57	397.1	-100.7	410.1	408.8	1.31	313.012 ES		
500.0	499.9	471.9	471.9	0.8	0.8	98.17	397.1	-100.7	410.7	409.0	1.67	245.581		
600.0	599.7	571.7	571.7	1.0	1.0	99.00	397.1	-100.7	411.6	409.5	2.05	201.204		
700.0	699.4	671.4	671.4	1.3	1.2	100.06	397.1	-100.7	412.9	410.5	2.43	169.702		
800.0	798.9	770.9	770.9	1.5	1.3	101.33	397.1	-100.7	414.6	411.8	2.83	146.445		
900.0	898.4	870.4	870.4	1.7	1.5	102.63	397.1	-100.7	416.7	413.4	3.23	128.876		
1,000.0	998.0	970.0	970.0	2.0	1.7	103.92	397.1	-100.7	418.9	415.3	3.64	115.199		
1,100.0	1,097.5	1,069.5	1,069.5	2.2	1.9	105.19	397.1	-100.7	421.4	417.3	4.04	104.292		
1,200.0	1,197.0	1,169.0	1,169.0	2.4	2.0	106.46	397.1	-100.7	424.0	419.6	4.44	95.417		
1,300.0	1,296.6	1,268.6	1,268.6	2.7	2.2	107.70	397.1	-100.7	426.9	422.0	4.85	88.075		
1,400.0	1,396.1	1,368.1	1,368.1	2.9	2.4	108.93	397.1	-100.7	429.9	424.7	5.25	81.913		
1,500.0	1,495.6	1,467.6	1,467.6	3.2	2.6	110.14	397.1	-100.7	433.2	427.6	5.65	76.680		
1,600.0	1,595.1	1,567.1	1,567.1	3.4	2.7	111.33	397.1	-100.7	436.7	430.6	6.05	72.189		
1,700.0	1,694.7	1,666.7	1,666.7	3.6	2.9	112.50	397.1	-100.7	440.3	433.8	6.45	68.300		
1,800.0	1,794.2	1,766.2	1,766.2	3.9	3.1	113.65	397.1	-100.7	444.1	437.3	6.84	64.905		
1,900.0	1,893.7	1,865.7	1,865.7	4.1	3.3	114.78	397.1	-100.7	448.1	440.9	7.24	61.923		
2,000.0	1,993.3	1,965.3	1,965.3	4.4	3.4	115.90	397.1	-100.7	452.3	444.7	7.63	59.285		
2,100.0	2,092.8	2,064.8	2,064.8	4.6	3.6	116.99	397.1	-100.7	456.6	448.6	8.02	56.940		
2,200.0	2,192.3	2,164.3	2,164.3	4.8	3.8	118.06	397.1	-100.7	461.1	452.7	8.41	54.845		
2,300.0	2,291.8	2,263.8	2,263.8	5.1	4.0	119.11	397.1	-100.7	465.8	457.0	8.79	52.964		
2,400.0	2,391.4	2,363.4	2,363.4	5.3	4.1	120.14	397.1	-100.7	470.6	461.4	9.18	51.269		
2,500.0	2,490.9	2,462.9	2,462.9	5.6	4.3	121.15	397.1	-100.7	475.6	466.0	9.56	49.736		
2,600.0	2,590.4	2,562.4	2,562.4	5.8	4.5	122.13	397.1	-100.7	480.7	470.7	9.94	48.345		
2,700.0	2,689.9	2,661.9	2,661.9	6.1	4.6	123.10	397.1	-100.7	485.9	475.6	10.32	47.079		
2,800.0	2,789.5	2,761.5	2,761.5	6.3	4.8	124.04	397.1	-100.7	491.3	480.6	10.70	45.923		
2,900.0	2,889.0	2,861.0	2,861.0	6.5	5.0	124.97	397.1	-100.7	496.8	485.8	11.07	44.865 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON GAS UNIT 1 (EXISTING) - ENCANA WELL - NO SURVE												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	
7,700.0	7,371.2	7,333.2	7,333.2	18.3	12.8	82.65	738.8	-453.3	454.7	427.5	27.26	16.680	
7,800.0	7,372.0	7,334.0	7,334.0	19.1	12.8	90.00	738.8	-453.3	364.3	335.9	28.39	12.830	
7,900.0	7,372.0	7,334.0	7,334.0	20.0	12.8	90.00	738.8	-453.3	280.3	250.8	29.47	9.512	
8,000.0	7,372.0	7,334.0	7,334.0	21.0	12.8	90.00	738.8	-453.3	210.8	180.2	30.65	6.878	
8,100.0	7,372.0	7,334.0	7,334.0	22.1	12.8	90.00	738.8	-453.3	174.2	142.2	31.92	5.456	
8,120.6	7,372.0	7,334.0	7,334.0	22.3	12.8	90.00	738.8	-453.3	172.9	140.7	32.20	5.371	CC, ES, SF
8,200.0	7,372.0	7,334.0	7,334.0	23.2	12.8	90.00	738.8	-453.3	190.3	157.0	33.27	5.720	
8,300.0	7,372.0	7,334.0	7,334.0	24.5	12.8	90.00	738.8	-453.3	249.2	214.5	34.67	7.188	
8,400.0	7,372.0	7,334.0	7,334.0	25.8	12.8	90.00	738.8	-453.3	328.6	292.5	36.12	9.098	
8,500.0	7,372.0	7,334.0	7,334.0	27.1	12.8	90.00	738.8	-453.3	417.0	379.4	37.61	11.088	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3C-22H-M268 - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor	
7,700.0	7,371.2	7,655.8	7,348.9	18.3	14.6	-90.29	319.2	-1,125.0	498.8	470.3	28.55	17.474	
7,755.1	7,373.3	7,709.9	7,350.0	18.7	15.0	-90.19	373.3	-1,125.0	498.6	469.1	29.45	16.929	
7,800.0	7,372.0	7,754.8	7,350.0	19.1	15.3	-90.34	418.2	-1,125.0	498.7	468.5	30.24	16.493	
7,900.0	7,372.0	7,854.8	7,350.0	20.0	16.2	-90.34	518.2	-1,124.9	498.7	466.5	32.22	15.476	
8,000.0	7,372.0	7,954.8	7,350.0	21.0	17.2	-90.34	618.2	-1,124.9	498.7	464.2	34.45	14.474	
8,100.0	7,372.0	8,054.8	7,350.0	22.1	18.3	-90.34	718.2	-1,124.9	498.7	461.8	36.88	13.520	
8,200.0	7,372.0	8,154.8	7,350.0	23.2	19.5	-90.34	818.2	-1,124.9	498.7	459.2	39.48	12.632	
8,300.0	7,372.0	8,254.8	7,350.0	24.5	20.8	-90.34	918.2	-1,124.9	498.7	456.5	42.20	11.816	
8,400.0	7,372.0	8,354.8	7,350.0	25.8	22.2	-90.34	1,018.2	-1,124.9	498.7	453.6	45.04	11.072	
8,500.0	7,372.0	8,454.8	7,350.0	27.1	23.6	-90.34	1,118.2	-1,124.9	498.7	450.7	47.96	10.397	
8,600.0	7,372.0	8,554.8	7,350.0	28.5	25.0	-90.34	1,218.2	-1,124.9	498.7	447.7	50.96	9.785	
8,700.0	7,372.0	8,654.8	7,350.0	30.0	26.5	-90.34	1,318.2	-1,124.9	498.6	444.6	54.02	9.230	
8,800.0	7,372.0	8,754.8	7,350.0	31.4	28.0	-90.34	1,418.2	-1,124.9	498.6	441.5	57.13	8.727	
8,900.0	7,372.0	8,854.8	7,350.0	32.9	29.6	-90.34	1,518.2	-1,124.9	498.6	438.3	60.29	8.271	
9,000.0	7,372.0	8,954.8	7,350.0	34.5	31.2	-90.34	1,618.2	-1,124.9	498.6	435.1	63.48	7.855	
9,100.0	7,372.0	9,054.8	7,350.0	36.0	32.7	-90.34	1,718.2	-1,124.9	498.6	431.9	66.71	7.475	
9,200.0	7,372.0	9,154.8	7,350.0	37.6	34.3	-90.34	1,818.2	-1,124.9	498.6	428.7	69.96	7.127	
9,300.0	7,372.0	9,254.8	7,350.0	39.1	36.0	-90.34	1,918.2	-1,124.9	498.6	425.4	73.23	6.808	
9,400.0	7,372.0	9,354.8	7,350.0	40.7	37.6	-90.34	2,018.2	-1,124.9	498.6	422.1	76.53	6.515	
9,500.0	7,372.0	9,454.8	7,350.0	42.3	39.2	-90.34	2,118.2	-1,124.9	498.6	418.8	79.85	6.245	
9,600.0	7,372.0	9,554.8	7,350.0	43.9	40.9	-90.34	2,218.2	-1,124.9	498.6	415.4	83.18	5.994	
9,700.0	7,372.0	9,654.8	7,350.0	45.6	42.5	-90.34	2,318.2	-1,124.8	498.6	412.1	86.52	5.763	
9,800.0	7,372.0	9,754.8	7,350.0	47.2	44.2	-90.34	2,418.2	-1,124.8	498.6	408.7	89.88	5.547	
9,900.0	7,372.0	9,854.8	7,350.0	48.8	45.9	-90.34	2,518.2	-1,124.8	498.6	405.3	93.25	5.347	
10,000.0	7,372.0	9,954.8	7,350.0	50.5	47.6	-90.34	2,618.2	-1,124.8	498.6	402.0	96.62	5.160	
10,100.0	7,372.0	10,054.8	7,350.0	52.1	49.2	-90.34	2,718.2	-1,124.8	498.6	398.6	100.01	4.985	
10,200.0	7,372.0	10,154.8	7,350.0	53.8	50.9	-90.34	2,818.2	-1,124.8	498.6	395.2	103.41	4.821	
10,300.0	7,372.0	10,254.8	7,350.0	55.5	52.6	-90.34	2,918.2	-1,124.8	498.6	391.7	106.81	4.668	
10,400.0	7,372.0	10,354.8	7,350.0	57.2	54.3	-90.34	3,018.2	-1,124.8	498.6	388.3	110.22	4.523	
10,500.0	7,372.0	10,454.8	7,350.0	58.8	56.0	-90.34	3,118.2	-1,124.8	498.5	384.9	113.63	4.387	
10,600.0	7,372.0	10,554.8	7,350.0	60.5	57.7	-90.34	3,218.2	-1,124.8	498.5	381.5	117.05	4.259	
10,700.0	7,372.0	10,654.8	7,350.0	62.2	59.4	-90.34	3,318.2	-1,124.8	498.5	378.1	120.48	4.138	
10,800.0	7,372.0	10,754.8	7,350.0	63.9	61.1	-90.34	3,418.2	-1,124.8	498.5	374.6	123.91	4.023	
10,900.0	7,372.0	10,854.8	7,350.0	65.6	62.8	-90.34	3,518.2	-1,124.8	498.5	371.2	127.34	3.915	
11,000.0	7,372.0	10,954.8	7,350.0	67.3	64.6	-90.34	3,618.2	-1,124.8	498.5	367.7	130.78	3.812	
11,100.0	7,372.0	11,054.8	7,350.0	69.0	66.3	-90.34	3,718.2	-1,124.8	498.5	364.3	134.22	3.714	
11,200.0	7,372.0	11,154.8	7,350.0	70.7	68.0	-90.34	3,818.2	-1,124.8	498.5	360.8	137.67	3.621	
11,300.0	7,372.0	11,254.8	7,350.0	72.4	69.7	-90.34	3,918.2	-1,124.8	498.5	357.4	141.12	3.533	
11,400.0	7,372.0	11,354.8	7,350.0	74.1	71.4	-90.34	4,018.2	-1,124.8	498.5	353.9	144.57	3.448	
11,500.0	7,372.0	11,454.8	7,350.0	75.8	73.2	-90.34	4,118.2	-1,124.7	498.5	350.5	148.02	3.368	
11,600.0	7,372.0	11,554.8	7,350.0	77.5	74.9	-90.34	4,218.2	-1,124.7	498.5	347.0	151.48	3.291	
11,700.0	7,372.0	11,654.8	7,350.0	79.2	76.6	-90.34	4,318.2	-1,124.7	498.5	343.5	154.94	3.217	
11,800.0	7,372.0	11,754.8	7,350.0	80.9	78.3	-90.34	4,418.2	-1,124.7	498.5	340.1	158.40	3.147	
11,900.0	7,372.0	11,854.8	7,350.0	82.7	80.1	-90.34	4,518.2	-1,124.7	498.5	336.6	161.86	3.080	
12,000.0	7,372.0	11,954.8	7,350.0	84.4	81.8	-90.34	4,618.2	-1,124.7	498.5	333.1	165.33	3.015	
12,100.0	7,372.0	12,054.8	7,350.0	86.1	83.5	-90.34	4,718.2	-1,124.7	498.5	329.7	168.79	2.953	
12,200.0	7,372.0	12,154.8	7,350.0	87.8	85.3	-90.34	4,818.2	-1,124.7	498.5	326.2	172.26	2.894	
12,300.0	7,372.0	12,254.8	7,350.0	89.5	87.0	-90.34	4,918.2	-1,124.7	498.4	322.7	175.73	2.836	
12,400.0	7,372.0	12,354.8	7,350.0	91.3	88.7	-90.34	5,018.2	-1,124.7	498.4	319.2	179.20	2.781	
12,500.0	7,372.0	12,454.8	7,350.0	93.0	90.4	-90.34	5,118.2	-1,124.7	498.4	315.8	182.67	2.729	
12,600.0	7,372.0	12,554.8	7,350.0	94.7	92.2	-90.34	5,218.2	-1,124.7	498.4	312.3	186.15	2.678	
12,700.0	7,372.0	12,654.8	7,350.0	96.4	93.9	-90.34	5,318.2	-1,124.7	498.4	308.8	189.62	2.628	

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 Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3C-22H-M268 - 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	
12,800.0	7,372.0	12,754.8	7,350.0	98.2	95.7	-90.34	5,418.2	-1,124.7	498.4	305.3	193.10	2.581		
12,900.0	7,372.0	12,854.8	7,350.0	99.9	97.4	-90.34	5,518.2	-1,124.7	498.4	301.8	196.58	2.535		
13,000.0	7,372.0	12,954.8	7,350.0	101.6	99.1	-90.34	5,618.2	-1,124.7	498.4	298.4	200.06	2.491		
13,100.0	7,372.0	13,054.8	7,350.0	103.4	100.9	-90.34	5,718.2	-1,124.7	498.4	294.9	203.54	2.449		
13,200.0	7,372.0	13,154.8	7,350.0	105.1	102.6	-90.34	5,818.2	-1,124.7	498.4	291.4	207.02	2.408		
13,300.0	7,372.0	13,254.8	7,350.0	106.8	104.3	-90.34	5,918.2	-1,124.6	498.4	287.9	210.50	2.368		
13,400.0	7,372.0	13,354.8	7,350.0	108.6	106.1	-90.34	6,018.2	-1,124.6	498.4	284.4	213.98	2.329		
13,417.4	7,372.0	13,372.2	7,350.0	108.9	106.4	-90.34	6,035.6	-1,124.6	498.4	283.8	214.59	2.323 CC		
13,500.0	7,372.0	13,449.7	7,350.0	110.3	107.7	-90.34	6,113.1	-1,124.9	498.7	281.3	217.38	2.294 ES, SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3D-22H-M268 - 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		
6,300.0	6,272.9	6,300.2	6,280.5	14.8	13.7	23.95	-185.4	-1,010.0	485.0	461.4	23.66	20.503		
6,400.0	6,372.5	6,398.9	6,378.9	15.1	14.0	23.80	-190.8	-1,003.5	469.5	445.5	24.04	19.533		
6,500.0	6,472.0	6,497.7	6,477.4	15.3	14.2	23.64	-196.2	-997.1	453.9	429.5	24.41	18.593		
6,600.0	6,571.5	6,596.5	6,575.8	15.5	14.4	23.47	-201.5	-990.7	438.4	413.6	24.79	17.682		
6,700.0	6,671.1	6,695.3	6,674.2	15.8	14.6	23.29	-206.9	-984.3	422.9	397.7	25.17	16.799		
6,800.0	6,770.6	6,794.1	6,772.6	16.0	14.9	23.09	-212.3	-977.9	407.3	381.8	25.55	15.941		
6,900.0	6,870.0	6,892.3	6,870.6	16.2	15.1	-53.70	-217.6	-971.5	391.7	365.8	25.87	15.141		
7,000.0	6,967.3	6,987.6	6,965.5	16.4	15.3	-78.67	-222.8	-965.4	377.3	351.1	26.21	14.393		
7,100.0	7,059.6	7,087.2	7,064.8	16.5	15.5	-91.35	-220.2	-958.9	366.9	340.3	26.59	13.800		
7,200.0	7,144.4	7,194.4	7,169.3	16.5	15.5	-100.83	-198.2	-952.1	361.3	334.5	26.82	13.473		
7,271.7	7,198.3	7,276.6	7,245.6	16.6	15.5	-106.70	-168.4	-947.1	360.2	333.4	26.81	13.435 CC		
7,300.0	7,218.1	7,310.5	7,275.7	16.7	15.4	-108.85	-153.0	-945.2	360.4	333.7	26.70	13.495		
7,400.0	7,279.4	7,436.7	7,378.6	16.9	15.3	-115.69	-80.5	-938.4	363.1	336.9	26.16	13.880		
7,500.0	7,326.3	7,573.8	7,469.4	17.2	15.3	-121.19	21.6	-932.5	367.7	342.3	25.36	14.498		
7,600.0	7,357.2	7,720.7	7,536.9	17.7	15.5	-125.01	151.5	-928.1	372.1	347.3	24.83	14.987		
7,700.0	7,371.2	7,874.3	7,570.0	18.3	16.2	-126.80	301.0	-926.0	374.5	349.3	25.17	14.877		
7,800.0	7,372.0	7,991.5	7,572.0	19.1	16.9	-126.91	418.2	-925.8	374.6	348.1	26.50	14.138		
7,900.0	7,372.0	8,091.5	7,572.0	20.0	17.7	-126.91	518.2	-925.8	374.6	346.6	28.09	13.336		
8,000.0	7,372.0	8,191.5	7,572.0	21.0	18.7	-126.91	618.2	-925.8	374.6	344.8	29.86	12.545		
8,100.0	7,372.0	8,291.5	7,572.0	22.1	19.7	-126.91	718.2	-925.8	374.6	342.8	31.79	11.786		
8,200.0	7,372.0	8,391.5	7,572.0	23.2	20.8	-126.91	818.2	-925.8	374.6	340.8	33.83	11.073		
8,300.0	7,372.0	8,491.5	7,572.0	24.5	22.1	-126.91	918.2	-925.8	374.6	338.6	35.98	10.411		
8,400.0	7,372.0	8,591.5	7,572.0	25.8	23.3	-126.91	1,018.2	-925.8	374.6	336.4	38.22	9.801		
8,500.0	7,372.0	8,691.5	7,572.0	27.1	24.7	-126.91	1,118.2	-925.8	374.6	334.1	40.53	9.243		
8,600.0	7,372.0	8,791.5	7,572.0	28.5	26.1	-126.91	1,218.2	-925.8	374.6	331.7	42.90	8.732		
8,700.0	7,372.0	8,891.5	7,572.0	30.0	27.5	-126.91	1,318.2	-925.8	374.6	329.3	45.32	8.266		
8,800.0	7,372.0	8,991.5	7,572.0	31.4	29.0	-126.92	1,418.2	-925.8	374.6	326.8	47.78	7.839		
8,900.0	7,372.0	9,091.5	7,572.0	32.9	30.5	-126.92	1,518.2	-925.8	374.6	324.3	50.28	7.450		
9,000.0	7,372.0	9,191.5	7,572.0	34.5	32.0	-126.92	1,618.2	-925.8	374.6	321.8	52.82	7.092		
9,100.0	7,372.0	9,291.5	7,572.0	36.0	33.6	-126.92	1,718.2	-925.8	374.6	319.2	55.38	6.764		
9,200.0	7,372.0	9,391.5	7,572.0	37.6	35.1	-126.92	1,818.2	-925.7	374.6	316.6	57.96	6.463		
9,300.0	7,372.0	9,491.5	7,572.0	39.1	36.7	-126.92	1,918.2	-925.7	374.6	314.0	60.56	6.185		
9,400.0	7,372.0	9,591.5	7,572.0	40.7	38.3	-126.92	2,018.2	-925.7	374.6	311.4	63.18	5.928		
9,500.0	7,372.0	9,691.5	7,572.0	42.3	39.9	-126.92	2,118.2	-925.7	374.6	308.7	65.82	5.691		
9,600.0	7,372.0	9,791.5	7,572.0	43.9	41.6	-126.92	2,218.2	-925.7	374.6	306.1	68.47	5.470		
9,700.0	7,372.0	9,891.5	7,572.0	45.6	43.2	-126.92	2,318.2	-925.7	374.6	303.4	71.14	5.265		
9,800.0	7,372.0	9,991.5	7,572.0	47.2	44.8	-126.92	2,418.2	-925.7	374.6	300.7	73.81	5.074		
9,900.0	7,372.0	10,091.5	7,572.0	48.8	46.5	-126.92	2,518.2	-925.7	374.6	298.1	76.50	4.896		
10,000.0	7,372.0	10,191.5	7,572.0	50.5	48.1	-126.92	2,618.2	-925.7	374.5	295.4	79.19	4.730		
10,100.0	7,372.0	10,291.5	7,572.0	52.1	49.8	-126.92	2,718.2	-925.7	374.5	292.7	81.89	4.574		
10,200.0	7,372.0	10,391.5	7,572.0	53.8	51.5	-126.92	2,818.2	-925.7	374.5	289.9	84.60	4.427		
10,300.0	7,372.0	10,491.5	7,572.0	55.5	53.2	-126.92	2,918.2	-925.7	374.5	287.2	87.32	4.289		
10,400.0	7,372.0	10,591.5	7,572.0	57.2	54.8	-126.92	3,018.2	-925.7	374.5	284.5	90.04	4.160		
10,500.0	7,372.0	10,691.5	7,572.0	58.8	56.5	-126.92	3,118.2	-925.7	374.5	281.8	92.77	4.037		
10,600.0	7,372.0	10,791.5	7,572.0	60.5	58.2	-126.92	3,218.2	-925.7	374.5	279.0	95.50	3.922		
10,700.0	7,372.0	10,891.5	7,572.0	62.2	59.9	-126.93	3,318.2	-925.7	374.5	276.3	98.24	3.812		
10,800.0	7,372.0	10,991.5	7,572.0	63.9	61.6	-126.93	3,418.2	-925.7	374.5	273.5	100.98	3.709		
10,900.0	7,372.0	11,091.5	7,572.0	65.6	63.3	-126.93	3,518.2	-925.7	374.5	270.8	103.72	3.611		
11,000.0	7,372.0	11,191.5	7,572.0	67.3	65.0	-126.93	3,618.2	-925.6	374.5	268.0	106.47	3.517		
11,100.0	7,372.0	11,291.5	7,572.0	69.0	66.7	-126.93	3,718.2	-925.6	374.5	265.3	109.22	3.429		
11,200.0	7,372.0	11,391.5	7,572.0	70.7	68.4	-126.93	3,818.2	-925.6	374.5	262.5	111.98	3.344		
11,300.0	7,372.0	11,491.5	7,572.0	72.4	70.1	-126.93	3,918.2	-925.6	374.5	259.8	114.74	3.264		

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 Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3D-22H-M268 - 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
11,400.0	7,372.0	11,591.5	7,572.0	74.1	71.8	-126.93	4,018.2	-925.6	374.5	257.0	117.50	3.187	
11,500.0	7,372.0	11,691.5	7,572.0	75.8	73.5	-126.93	4,118.2	-925.6	374.5	254.2	120.26	3.114	
11,600.0	7,372.0	11,791.5	7,572.0	77.5	75.3	-126.93	4,218.2	-925.6	374.5	251.5	123.02	3.044	
11,700.0	7,372.0	11,891.5	7,572.0	79.2	77.0	-126.93	4,318.2	-925.6	374.5	248.7	125.79	2.977	
11,800.0	7,372.0	11,991.5	7,572.0	80.9	78.7	-126.93	4,418.2	-925.6	374.5	245.9	128.56	2.913	
11,900.0	7,372.0	12,091.5	7,572.0	82.7	80.4	-126.93	4,518.2	-925.6	374.5	243.1	131.33	2.851	
12,000.0	7,372.0	12,191.5	7,572.0	84.4	82.1	-126.93	4,618.2	-925.6	374.5	240.4	134.10	2.792	
12,100.0	7,372.0	12,291.5	7,572.0	86.1	83.9	-126.93	4,718.2	-925.6	374.5	237.6	136.88	2.736	
12,200.0	7,372.0	12,391.5	7,572.0	87.8	85.6	-126.93	4,818.2	-925.6	374.5	234.8	139.65	2.681	
12,300.0	7,372.0	12,491.5	7,572.0	89.5	87.3	-126.93	4,918.2	-925.6	374.4	232.0	142.43	2.629	
12,400.0	7,372.0	12,591.5	7,572.0	91.3	89.0	-126.93	5,018.2	-925.6	374.4	229.2	145.21	2.579	
12,500.0	7,372.0	12,691.5	7,572.0	93.0	90.8	-126.93	5,118.2	-925.6	374.4	226.4	147.99	2.530	
12,600.0	7,372.0	12,791.5	7,572.0	94.7	92.5	-126.93	5,218.2	-925.6	374.4	223.7	150.77	2.483	
12,700.0	7,372.0	12,891.5	7,572.0	96.4	94.2	-126.94	5,318.2	-925.6	374.4	220.9	153.55	2.438	
12,800.0	7,372.0	12,991.5	7,572.0	98.2	96.0	-126.94	5,418.2	-925.6	374.4	218.1	156.34	2.395	
12,900.0	7,372.0	13,091.5	7,572.0	99.9	97.7	-126.94	5,518.2	-925.5	374.4	215.3	159.12	2.353	
13,000.0	7,372.0	13,191.5	7,572.0	101.6	99.4	-126.94	5,618.2	-925.5	374.4	212.5	161.91	2.313	
13,100.0	7,372.0	13,291.5	7,572.0	103.4	101.2	-126.94	5,718.2	-925.5	374.4	209.7	164.69	2.273	
13,200.0	7,372.0	13,391.5	7,572.0	105.1	102.9	-126.94	5,818.2	-925.5	374.4	206.9	167.48	2.236	
13,300.0	7,372.0	13,491.5	7,572.0	106.8	104.6	-126.94	5,918.2	-925.5	374.4	204.1	170.27	2.199	
13,400.0	7,372.0	13,591.5	7,572.0	108.6	106.4	-126.94	6,018.2	-925.5	374.4	201.3	173.05	2.163	
13,500.0	7,372.0	13,691.5	7,572.0	110.3	108.1	-126.94	6,118.2	-925.5	374.4	198.6	175.84	2.129	
13,600.0	7,372.0	13,791.5	7,572.0	112.0	109.8	-126.94	6,218.2	-925.5	374.4	195.8	178.63	2.096	
13,700.0	7,372.0	13,891.5	7,572.0	113.8	111.6	-126.94	6,318.2	-925.5	374.4	193.0	181.42	2.064	
13,800.0	7,372.0	13,991.5	7,572.0	115.5	113.3	-126.94	6,418.2	-925.5	374.4	190.2	184.22	2.032	
13,900.0	7,372.0	14,091.5	7,572.0	117.2	115.1	-126.94	6,518.2	-925.5	374.4	187.4	187.01	2.002	
14,000.0	7,372.0	14,191.5	7,572.0	119.0	116.8	-126.94	6,618.2	-925.5	374.4	184.6	189.80	1.972	
14,100.0	7,372.0	14,291.5	7,572.0	120.7	118.5	-126.94	6,718.2	-925.5	374.4	181.8	192.59	1.944	
14,200.0	7,372.0	14,391.5	7,572.0	122.4	120.3	-126.94	6,818.2	-925.5	374.4	179.0	195.39	1.916	
14,300.0	7,372.0	14,491.5	7,572.0	124.2	122.0	-126.94	6,918.2	-925.5	374.4	176.2	198.18	1.889	
14,400.0	7,372.0	14,591.5	7,572.0	125.9	123.7	-126.94	7,018.2	-925.5	374.4	173.4	200.97	1.863	
14,500.0	7,372.0	14,691.5	7,572.0	127.7	125.5	-126.94	7,118.2	-925.5	374.4	170.6	203.77	1.837	
14,600.0	7,372.0	14,791.5	7,572.0	129.4	127.2	-126.94	7,218.2	-925.5	374.3	167.8	206.56	1.812	
14,700.0	7,372.0	14,891.5	7,572.0	131.1	129.0	-126.95	7,318.2	-925.4	374.3	165.0	209.36	1.788	
14,800.0	7,372.0	14,991.5	7,572.0	132.9	130.7	-126.95	7,418.2	-925.4	374.3	162.2	212.16	1.764	
14,900.0	7,372.0	15,091.5	7,572.0	134.6	132.5	-126.95	7,518.2	-925.4	374.3	159.4	214.95	1.741	
15,000.0	7,372.0	15,191.5	7,572.0	136.4	134.2	-126.95	7,618.2	-925.4	374.3	156.6	217.75	1.719	
15,100.0	7,372.0	15,291.5	7,572.0	138.1	135.9	-126.95	7,718.2	-925.4	374.3	153.8	220.55	1.697	
15,100.9	7,372.0	15,292.5	7,572.0	138.1	136.0	-126.95	7,719.1	-925.4	374.3	153.8	220.57	1.697 ES, SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3F-22H-N268 - 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	90.03	0.0	8.4	8.4					
100.0	100.0	100.0	100.0	0.1	0.1	90.03	0.0	8.4	8.4	8.1	0.26	32.048		
200.0	200.0	200.0	200.0	0.3	0.3	90.03	0.0	8.4	8.4	7.8	0.61	13.735 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-160.63	0.0	8.4	9.2	8.2	0.96	9.593		
400.0	400.0	400.1	400.1	0.7	0.7	-162.31	-0.6	7.7	11.0	9.7	1.31	8.399		
500.0	499.9	500.3	500.2	0.8	0.8	-161.22	-2.3	5.7	13.1	11.4	1.66	7.861		
600.0	599.7	600.4	600.3	1.0	1.0	-158.52	-5.1	2.4	15.4	13.4	2.02	7.634		
700.0	699.4	700.4	700.1	1.3	1.2	-156.84	-8.5	-1.6	18.8	16.4	2.38	7.871		
800.0	798.9	800.3	799.8	1.5	1.4	-157.26	-11.9	-5.6	23.5	20.8	2.75	8.576		
900.0	898.4	900.1	899.6	1.7	1.6	-157.75	-15.3	-9.6	28.6	25.5	3.11	9.196		
1,000.0	998.0	1,000.0	999.3	2.0	1.8	-158.10	-18.7	-13.5	33.7	30.2	3.48	9.685		
1,100.0	1,097.5	1,099.9	1,099.0	2.2	2.0	-158.36	-22.1	-17.5	38.7	34.9	3.84	10.081		
1,200.0	1,197.0	1,199.7	1,198.8	2.4	2.2	-158.56	-25.6	-21.5	43.8	39.6	4.21	10.406		
1,300.0	1,296.6	1,299.6	1,298.5	2.7	2.4	-158.72	-29.0	-25.5	48.9	44.3	4.57	10.680		
1,400.0	1,396.1	1,399.5	1,398.2	2.9	2.6	-158.84	-32.4	-29.5	53.9	49.0	4.94	10.912		
1,500.0	1,495.6	1,499.4	1,498.0	3.2	2.8	-158.95	-35.8	-33.5	59.0	53.7	5.31	11.112		
1,600.0	1,595.1	1,599.2	1,597.7	3.4	3.0	-159.04	-39.2	-37.4	64.0	58.4	5.67	11.286		
1,700.0	1,694.7	1,699.1	1,697.4	3.6	3.2	-159.11	-42.6	-41.4	69.1	63.1	6.04	11.439		
1,800.0	1,794.2	1,799.0	1,797.2	3.9	3.4	-159.18	-46.0	-45.4	74.2	67.8	6.41	11.574		
1,900.0	1,893.7	1,898.8	1,896.9	4.1	3.5	-159.24	-49.4	-49.4	79.2	72.5	6.78	11.694		
2,000.0	1,993.3	1,998.7	1,996.6	4.4	3.7	-159.29	-52.8	-53.4	84.3	77.1	7.14	11.802		
2,100.0	2,092.8	2,098.6	2,096.4	4.6	3.9	-159.33	-56.2	-57.4	89.4	81.8	7.51	11.899		
2,200.0	2,192.3	2,198.5	2,196.1	4.8	4.1	-159.37	-59.6	-61.3	94.4	86.5	7.88	11.987		
2,300.0	2,291.8	2,298.3	2,295.9	5.1	4.3	-159.41	-63.0	-65.3	99.5	91.2	8.24	12.068		
2,400.0	2,391.4	2,398.2	2,395.6	5.3	4.5	-159.44	-66.4	-69.3	104.5	95.9	8.61	12.141		
2,500.0	2,490.9	2,498.1	2,495.3	5.6	4.7	-159.47	-69.8	-73.3	109.6	100.6	8.98	12.208		
2,600.0	2,590.4	2,597.9	2,595.1	5.8	4.9	-159.50	-73.2	-77.3	114.7	105.3	9.35	12.270		
2,700.0	2,689.9	2,697.8	2,694.8	6.1	5.1	-159.52	-76.6	-81.3	119.7	110.0	9.71	12.328		
2,800.0	2,789.5	2,797.7	2,794.5	6.3	5.3	-159.54	-80.0	-85.3	124.8	114.7	10.08	12.381		
2,900.0	2,889.0	2,897.6	2,894.3	6.5	5.5	-159.56	-83.4	-89.2	129.9	119.4	10.45	12.430		
3,000.0	2,988.5	2,997.4	2,994.0	6.8	5.7	-159.58	-86.8	-93.2	134.9	124.1	10.81	12.476		
3,100.0	3,088.1	3,097.3	3,093.7	7.0	5.9	-159.60	-90.3	-97.2	140.0	128.8	11.18	12.519		
3,200.0	3,187.6	3,197.2	3,193.5	7.3	6.1	-159.62	-93.7	-101.2	145.1	133.5	11.55	12.559		
3,300.0	3,287.1	3,297.0	3,293.2	7.5	6.3	-159.63	-97.1	-105.2	150.1	138.2	11.92	12.597		
3,400.0	3,386.6	3,396.9	3,392.9	7.8	6.5	-159.65	-100.5	-109.2	155.2	142.9	12.28	12.633		
3,500.0	3,486.2	3,496.8	3,492.7	8.0	6.7	-159.66	-103.9	-113.1	160.2	147.6	12.65	12.666		
3,600.0	3,585.7	3,596.7	3,592.4	8.2	6.9	-159.67	-107.3	-117.1	165.3	152.3	13.02	12.697		
3,700.0	3,685.2	3,696.5	3,692.1	8.5	7.1	-159.69	-110.7	-121.1	170.4	157.0	13.39	12.727		
3,800.0	3,784.8	3,796.4	3,791.9	8.7	7.3	-159.70	-114.1	-125.1	175.4	161.7	13.75	12.755		
3,900.0	3,884.3	3,896.3	3,891.6	9.0	7.5	-159.71	-117.5	-129.1	180.5	166.4	14.12	12.782		
4,000.0	3,983.8	3,996.1	3,991.3	9.2	7.7	-159.72	-120.9	-133.1	185.6	171.1	14.49	12.807		
4,100.0	4,083.3	4,096.0	4,091.1	9.5	7.9	-159.73	-124.3	-137.0	190.6	175.8	14.86	12.831		
4,200.0	4,182.9	4,195.9	4,190.8	9.7	8.1	-159.74	-127.7	-141.0	195.7	180.5	15.22	12.854		
4,300.0	4,282.4	4,295.8	4,290.5	9.9	8.3	-159.74	-131.1	-145.0	200.8	185.2	15.59	12.876		
4,400.0	4,381.9	4,395.6	4,390.3	10.2	8.5	-159.75	-134.5	-149.0	205.8	189.9	15.96	12.897		
4,500.0	4,481.4	4,495.5	4,490.0	10.4	8.7	-159.76	-137.9	-153.0	210.9	194.6	16.33	12.917		
4,600.0	4,581.0	4,595.4	4,589.7	10.7	8.9	-159.77	-141.3	-157.0	215.9	199.3	16.69	12.936		
4,700.0	4,680.5	4,695.2	4,689.5	10.9	9.1	-159.78	-144.7	-161.0	221.0	203.9	17.06	12.954		
4,800.0	4,780.0	4,795.1	4,789.2	11.2	9.2	-159.78	-148.1	-164.9	226.1	208.6	17.43	12.971		
4,900.0	4,879.6	4,895.0	4,888.9	11.4	9.4	-159.79	-151.5	-168.9	231.1	213.3	17.80	12.988		
5,000.0	4,979.1	4,994.9	4,988.7	11.7	9.6	-159.79	-154.9	-172.9	236.2	218.0	18.16	13.004		
5,100.0	5,078.6	5,094.7	5,088.4	11.9	9.8	-159.80	-158.4	-176.9	241.3	222.7	18.53	13.019		

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 Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3F-22H-N268 - 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	5,178.1	5,194.6	5,188.1	12.1	10.0	-159.81	-161.8	-180.9	246.3	227.4	18.90	13.034	
5,300.0	5,277.7	5,294.5	5,287.9	12.4	10.2	-159.81	-165.2	-184.9	251.4	232.1	19.27	13.048	
5,400.0	5,377.2	5,394.4	5,387.6	12.6	10.4	-159.82	-168.6	-188.8	256.5	236.8	19.63	13.062	
5,500.0	5,476.7	5,494.2	5,487.3	12.9	10.6	-159.82	-172.0	-192.8	261.5	241.5	20.00	13.075	
5,600.0	5,576.3	5,594.1	5,587.1	13.1	10.8	-159.83	-175.4	-196.8	266.6	246.2	20.37	13.088	
5,700.0	5,675.8	5,694.0	5,686.8	13.4	11.0	-159.83	-178.8	-200.8	271.6	250.9	20.74	13.100	
5,800.0	5,775.3	5,793.8	5,786.5	13.6	11.2	-159.84	-182.2	-204.8	276.7	255.6	21.10	13.112	
5,900.0	5,874.8	5,893.7	5,886.3	13.8	11.4	-159.84	-185.6	-208.8	281.8	260.3	21.47	13.123	
6,000.0	5,974.4	5,993.6	5,986.0	14.1	11.6	-159.84	-189.0	-212.7	286.8	265.0	21.84	13.134	
6,100.0	6,073.9	6,093.5	6,085.7	14.3	11.8	-159.85	-192.4	-216.7	291.9	269.7	22.21	13.145	
6,200.0	6,173.4	6,193.3	6,185.5	14.6	12.0	-159.85	-195.8	-220.7	297.0	274.4	22.57	13.155	
6,300.0	6,272.9	6,293.2	6,285.2	14.8	12.2	-159.86	-199.2	-224.7	302.0	279.1	22.94	13.165	
6,400.0	6,372.5	6,393.1	6,384.9	15.1	12.4	-159.86	-202.6	-228.7	307.1	283.8	23.31	13.175	
6,500.0	6,472.0	6,492.9	6,484.7	15.3	12.6	-159.86	-206.0	-232.7	312.2	288.5	23.68	13.184	
6,600.0	6,571.5	6,592.8	6,584.4	15.5	12.8	-159.87	-209.4	-236.7	317.2	293.2	24.04	13.193	
6,700.0	6,671.1	6,692.7	6,684.2	15.8	13.0	-159.87	-212.8	-240.6	322.3	297.9	24.41	13.202	
6,800.0	6,770.6	6,792.6	6,783.9	16.0	13.2	-159.87	-216.2	-244.6	327.3	302.6	24.78	13.211	
6,900.0	6,870.0	6,892.1	6,883.3	16.2	13.4	126.72	-219.6	-248.6	332.3	307.2	25.15	13.214	
7,000.0	6,967.3	6,988.9	6,980.0	16.4	13.6	110.34	-222.9	-252.5	338.1	312.5	25.60	13.206	
7,100.0	7,059.6	7,088.9	7,079.8	16.5	13.7	109.23	-220.3	-256.4	347.0	321.1	25.95	13.374	
7,200.0	7,144.0	7,197.1	7,185.4	16.5	13.8	111.17	-198.3	-260.7	358.7	332.7	25.94	13.827	
7,300.0	7,218.1	7,314.1	7,292.8	16.7	13.8	113.94	-152.7	-265.0	372.0	346.4	25.60	14.530	
7,400.0	7,279.4	7,441.0	7,396.2	16.9	13.9	116.76	-79.7	-269.1	385.7	360.5	25.13	15.345	
7,500.0	7,326.3	7,578.2	7,487.0	17.2	14.1	119.20	22.7	-272.7	397.8	372.9	24.90	15.975	
7,600.0	7,357.2	7,724.7	7,554.2	17.7	14.7	120.95	152.5	-275.4	406.8	381.4	25.37	16.032	
7,700.0	7,371.2	7,877.6	7,587.0	18.3	15.7	121.79	301.3	-276.7	411.1	384.2	26.91	15.280	
7,800.0	7,372.0	7,994.5	7,589.0	19.1	16.7	121.84	418.2	-276.8	411.4	382.7	28.72	14.324	
7,900.0	7,372.0	8,094.5	7,589.0	20.0	17.7	121.84	518.2	-276.8	411.4	380.9	30.51	13.483	
8,000.0	7,372.0	8,194.5	7,589.0	21.0	18.8	121.84	618.2	-276.8	411.4	378.9	32.48	12.667	
8,100.0	7,372.0	8,294.5	7,589.0	22.1	20.0	121.84	718.2	-276.8	411.4	376.8	34.59	11.893	
8,200.0	7,372.0	8,394.5	7,589.0	23.2	21.3	121.84	818.2	-276.8	411.4	374.5	36.82	11.172	
8,300.0	7,372.0	8,494.5	7,589.0	24.5	22.7	121.84	918.2	-276.8	411.4	372.2	39.16	10.506	
8,400.0	7,372.0	8,594.5	7,589.0	25.8	24.1	121.84	1,018.2	-276.8	411.4	369.8	41.58	9.894	
8,500.0	7,372.0	8,694.5	7,589.0	27.1	25.5	121.84	1,118.2	-276.8	411.4	367.3	44.06	9.336	
8,600.0	7,372.0	8,794.5	7,589.0	28.5	27.0	121.84	1,218.2	-276.8	411.4	364.8	46.61	8.826	
8,700.0	7,372.0	8,894.5	7,589.0	30.0	28.5	121.84	1,318.2	-276.8	411.4	362.2	49.21	8.360	
8,800.0	7,372.0	8,994.5	7,589.0	31.4	30.1	121.84	1,418.2	-276.8	411.4	359.5	51.85	7.934	
8,900.0	7,372.0	9,094.5	7,589.0	32.9	31.6	121.84	1,518.2	-276.8	411.4	356.9	54.52	7.545	
9,000.0	7,372.0	9,194.5	7,589.0	34.5	33.2	121.84	1,618.2	-276.8	411.4	354.1	57.23	7.188	
9,100.0	7,372.0	9,294.5	7,589.0	36.0	34.8	121.84	1,718.2	-276.8	411.4	351.4	59.96	6.861	
9,200.0	7,372.0	9,394.5	7,589.0	37.6	36.4	121.84	1,818.2	-276.8	411.4	348.7	62.72	6.559	
9,300.0	7,372.0	9,494.5	7,589.0	39.1	38.0	121.84	1,918.2	-276.8	411.4	345.9	65.49	6.281	
9,400.0	7,372.0	9,594.5	7,589.0	40.7	39.7	121.84	2,018.2	-276.8	411.4	343.1	68.28	6.024	
9,500.0	7,372.0	9,694.5	7,589.0	42.3	41.3	121.84	2,118.2	-276.8	411.4	340.3	71.09	5.786	
9,600.0	7,372.0	9,794.5	7,589.0	43.9	43.0	121.84	2,218.2	-276.8	411.4	337.5	73.92	5.565	
9,700.0	7,372.0	9,894.5	7,589.0	45.6	44.6	121.84	2,318.2	-276.8	411.4	334.6	76.75	5.360	
9,800.0	7,372.0	9,994.5	7,589.0	47.2	46.3	121.84	2,418.2	-276.8	411.4	331.8	79.60	5.168	
9,900.0	7,372.0	10,094.5	7,589.0	48.8	48.0	121.84	2,518.2	-276.8	411.4	328.9	82.46	4.989	
10,000.0	7,372.0	10,194.5	7,589.0	50.5	49.7	121.84	2,618.2	-276.8	411.4	326.0	85.32	4.821	
10,100.0	7,372.0	10,294.5	7,589.0	52.1	51.3	121.84	2,718.2	-276.8	411.4	323.2	88.20	4.664	
10,200.0	7,372.0	10,394.5	7,589.0	53.8	53.0	121.84	2,818.2	-276.8	411.4	320.3	91.08	4.517	
10,300.0	7,372.0	10,494.5	7,589.0	55.5	54.7	121.84	2,918.2	-276.8	411.4	317.4	93.97	4.378	

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



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3F-22H-N268 - 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)				
10,400.0	7,372.0	10,594.5	7,589.0	57.2	56.4	121.84	3,018.2	-276.8	411.4	314.5	96.86	4.247		
10,500.0	7,372.0	10,694.5	7,589.0	58.8	58.1	121.84	3,118.2	-276.8	411.4	311.6	99.76	4.124		
10,600.0	7,372.0	10,794.5	7,589.0	60.5	59.8	121.84	3,218.2	-276.8	411.4	308.7	102.66	4.007		
10,700.0	7,372.0	10,894.5	7,589.0	62.2	61.5	121.84	3,318.2	-276.8	411.4	305.8	105.57	3.897		
10,800.0	7,372.0	10,994.5	7,589.0	63.9	63.2	121.84	3,418.2	-276.8	411.4	302.9	108.49	3.792		
10,900.0	7,372.0	11,094.5	7,589.0	65.6	65.0	121.84	3,518.2	-276.8	411.4	300.0	111.40	3.693		
11,000.0	7,372.0	11,194.5	7,589.0	67.3	66.7	121.84	3,618.2	-276.8	411.4	297.0	114.33	3.598		
11,100.0	7,372.0	11,294.5	7,589.0	69.0	68.4	121.84	3,718.2	-276.8	411.4	294.1	117.25	3.509		
11,200.0	7,372.0	11,394.5	7,589.0	70.7	70.1	121.84	3,818.2	-276.8	411.4	291.2	120.18	3.423		
11,300.0	7,372.0	11,494.5	7,589.0	72.4	71.8	121.84	3,918.2	-276.8	411.4	288.3	123.11	3.342		
11,400.0	7,372.0	11,594.5	7,589.0	74.1	73.5	121.84	4,018.2	-276.8	411.4	285.3	126.04	3.264		
11,500.0	7,372.0	11,694.5	7,589.0	75.8	75.3	121.84	4,118.2	-276.8	411.4	282.4	128.98	3.190		
11,600.0	7,372.0	11,794.5	7,589.0	77.5	77.0	121.84	4,218.2	-276.8	411.4	279.5	131.91	3.118		
11,700.0	7,372.0	11,894.5	7,589.0	79.2	78.7	121.84	4,318.2	-276.8	411.4	276.5	134.85	3.051		
11,800.0	7,372.0	11,994.5	7,589.0	80.9	80.4	121.84	4,418.2	-276.8	411.4	273.6	137.80	2.985		
11,900.0	7,372.0	12,094.5	7,589.0	82.7	82.2	121.84	4,518.2	-276.8	411.4	270.6	140.74	2.923		
12,000.0	7,372.0	12,194.5	7,589.0	84.4	83.9	121.84	4,618.2	-276.8	411.4	267.7	143.68	2.863		
12,100.0	7,372.0	12,294.5	7,589.0	86.1	85.6	121.84	4,718.2	-276.8	411.4	264.7	146.63	2.805		
12,200.0	7,372.0	12,394.5	7,589.0	87.8	87.4	121.84	4,818.2	-276.8	411.4	261.8	149.58	2.750		
12,300.0	7,372.0	12,494.5	7,589.0	89.5	89.1	121.84	4,918.2	-276.8	411.4	258.8	152.53	2.697		
12,400.0	7,372.0	12,594.5	7,589.0	91.3	90.8	121.84	5,018.2	-276.8	411.4	255.9	155.48	2.646		
12,500.0	7,372.0	12,694.5	7,589.0	93.0	92.6	121.84	5,118.2	-276.8	411.4	252.9	158.44	2.596		
12,600.0	7,372.0	12,794.5	7,589.0	94.7	94.3	121.84	5,218.2	-276.8	411.4	250.0	161.39	2.549		
12,700.0	7,372.0	12,894.5	7,589.0	96.4	96.0	121.84	5,318.2	-276.8	411.4	247.0	164.35	2.503		
12,800.0	7,372.0	12,994.5	7,589.0	98.2	97.8	121.84	5,418.2	-276.8	411.4	244.1	167.30	2.459		
12,900.0	7,372.0	13,094.5	7,589.0	99.9	99.5	121.84	5,518.2	-276.8	411.4	241.1	170.26	2.416		
13,000.0	7,372.0	13,194.5	7,589.0	101.6	101.2	121.84	5,618.2	-276.8	411.4	238.2	173.22	2.375		
13,100.0	7,372.0	13,294.5	7,589.0	103.4	103.0	121.84	5,718.2	-276.8	411.4	235.2	176.18	2.335		
13,200.0	7,372.0	13,394.5	7,589.0	105.1	104.7	121.84	5,818.2	-276.8	411.4	232.2	179.14	2.296		
13,300.0	7,372.0	13,494.5	7,589.0	106.8	106.5	121.84	5,918.2	-276.8	411.4	229.3	182.10	2.259		
13,400.0	7,372.0	13,594.5	7,589.0	108.6	108.2	121.84	6,018.2	-276.8	411.4	226.3	185.06	2.223		
13,500.0	7,372.0	13,694.5	7,589.0	110.3	109.9	121.84	6,118.2	-276.8	411.4	223.3	188.03	2.188		
13,600.0	7,372.0	13,794.5	7,589.0	112.0	111.7	121.84	6,218.2	-276.8	411.4	220.4	190.99	2.154		
13,700.0	7,372.0	13,894.5	7,589.0	113.8	113.4	121.84	6,318.2	-276.8	411.4	217.4	193.96	2.121		
13,800.0	7,372.0	13,994.5	7,589.0	115.5	115.2	121.84	6,418.2	-276.8	411.4	214.4	196.92	2.089		
13,900.0	7,372.0	14,094.5	7,589.0	117.2	116.9	121.84	6,518.2	-276.8	411.4	211.5	199.89	2.058		
14,000.0	7,372.0	14,194.5	7,589.0	119.0	118.6	121.84	6,618.2	-276.8	411.4	208.5	202.85	2.028		
14,100.0	7,372.0	14,294.5	7,589.0	120.7	120.4	121.84	6,718.2	-276.8	411.4	205.5	205.82	1.999		
14,200.0	7,372.0	14,394.5	7,589.0	122.4	122.1	121.84	6,818.2	-276.8	411.4	202.6	208.79	1.970		
14,300.0	7,372.0	14,494.5	7,589.0	124.2	123.9	121.84	6,918.2	-276.8	411.4	199.6	211.76	1.943		
14,400.0	7,372.0	14,594.5	7,589.0	125.9	125.6	121.84	7,018.2	-276.8	411.4	196.6	214.73	1.916		
14,500.0	7,372.0	14,694.5	7,589.0	127.7	127.3	121.84	7,118.2	-276.8	411.4	193.7	217.70	1.890		
14,600.0	7,372.0	14,794.5	7,589.0	129.4	129.1	121.84	7,218.2	-276.8	411.4	190.7	220.67	1.864		
14,700.0	7,372.0	14,894.5	7,589.0	131.1	130.8	121.84	7,318.2	-276.8	411.4	187.7	223.64	1.839		
14,800.0	7,372.0	14,994.5	7,589.0	132.9	132.6	121.84	7,418.2	-276.8	411.4	184.8	226.61	1.815		
14,900.0	7,372.0	15,094.5	7,589.0	134.6	134.3	121.84	7,518.2	-276.8	411.4	181.8	229.58	1.792		
15,000.0	7,372.0	15,194.5	7,589.0	136.4	136.1	121.84	7,618.2	-276.8	411.4	178.8	232.55	1.769		
15,100.0	7,372.0	15,294.5	7,589.0	138.1	137.8	121.84	7,718.2	-276.8	411.4	175.8	235.52	1.747		
15,100.9	7,372.0	15,295.5	7,589.0	138.1	137.8	121.84	7,719.1	-276.8	411.4	175.8	235.55	1.746		
15,100.9	7,372.0	15,295.5	7,589.0	138.1	137.8	121.84	7,719.1	-276.8	411.4	175.8	235.55	1.746	SF	

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 Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3G-22H-N268 - 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	90.01	0.0	19.6	19.6					
100.0	100.0	100.0	100.0	0.1	0.1	90.01	0.0	19.6	19.6	19.3	0.26	74.778		
200.0	200.0	200.0	200.0	0.3	0.3	90.01	0.0	19.6	19.6	19.0	0.61	32.048 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-159.56	0.0	19.6	20.4	19.4	0.96	21.243		
400.0	400.0	400.0	400.0	0.7	0.7	-161.84	0.0	19.6	22.9	21.6	1.31	17.464		
500.0	499.9	499.9	499.9	0.8	0.8	-164.71	0.0	19.6	27.0	25.4	1.66	16.308 SF		
600.0	599.7	599.7	599.7	1.0	1.0	-167.50	0.0	19.6	33.0	31.0	2.01	16.432		
700.0	699.4	699.4	699.4	1.3	1.2	-169.88	0.0	19.6	40.7	38.3	2.35	17.277		
800.0	798.9	798.9	798.9	1.5	1.4	-171.77	0.0	19.6	50.0	47.3	2.70	18.502		
900.0	898.4	898.4	898.4	1.7	1.5	-173.10	0.0	19.6	59.6	56.5	3.05	19.546		
1,000.0	998.0	998.0	998.0	2.0	1.7	-174.07	0.0	19.6	69.2	65.8	3.40	20.384		
1,100.0	1,097.5	1,097.5	1,097.5	2.2	1.9	-174.80	0.0	19.6	78.9	75.2	3.74	21.071		
1,200.0	1,197.0	1,197.0	1,197.0	2.4	2.0	-175.37	0.0	19.6	88.6	84.5	4.09	21.643		
1,300.0	1,296.6	1,296.6	1,296.6	2.7	2.2	-175.82	0.0	19.6	98.3	93.8	4.44	22.127		
1,400.0	1,396.1	1,396.1	1,396.1	2.9	2.4	-176.20	0.0	19.6	107.9	103.1	4.79	22.542		
1,500.0	1,495.6	1,495.6	1,495.6	3.2	2.6	-176.51	0.0	19.6	117.6	112.5	5.14	22.902		
1,600.0	1,595.1	1,595.1	1,595.1	3.4	2.7	-176.78	0.0	19.6	127.3	121.8	5.48	23.216		
1,700.0	1,694.7	1,694.7	1,694.7	3.6	2.9	-177.01	0.0	19.6	137.0	131.2	5.83	23.493		
1,800.0	1,794.2	1,794.2	1,794.2	3.9	3.1	-177.20	0.0	19.6	146.7	140.5	6.18	23.740		
1,900.0	1,893.7	1,893.7	1,893.7	4.1	3.3	-177.38	0.0	19.6	156.4	149.9	6.53	23.960		
2,000.0	1,993.3	1,993.3	1,993.3	4.4	3.4	-177.53	0.0	19.6	166.1	159.2	6.88	24.158		
2,100.0	2,092.8	2,092.8	2,092.8	4.6	3.6	-177.67	0.0	19.6	175.8	168.6	7.22	24.338		
2,200.0	2,192.3	2,192.3	2,192.3	4.8	3.8	-177.79	0.0	19.6	185.5	177.9	7.57	24.501		
2,300.0	2,291.8	2,291.8	2,291.8	5.1	4.0	-177.90	0.0	19.6	195.2	187.3	7.92	24.649		
2,400.0	2,391.4	2,391.4	2,391.4	5.3	4.1	-178.00	0.0	19.6	204.9	196.6	8.27	24.785		
2,500.0	2,490.9	2,490.9	2,490.9	5.6	4.3	-178.09	0.0	19.6	214.6	206.0	8.61	24.911		
2,600.0	2,590.4	2,590.3	2,590.3	5.8	4.5	-177.99	-0.7	19.8	224.3	215.4	8.96	25.030		
2,700.0	2,689.9	2,689.5	2,689.5	6.1	4.7	-177.48	-2.9	20.8	234.2	224.8	9.31	25.145		
2,800.0	2,789.5	2,788.7	2,788.6	6.3	4.8	-176.60	-6.7	22.3	244.1	234.4	9.66	25.259		
2,900.0	2,889.0	2,887.9	2,887.6	6.5	5.0	-175.46	-12.0	24.4	254.3	244.2	10.02	25.372		
3,000.0	2,988.5	2,987.3	2,986.8	6.8	5.2	-174.37	-17.3	26.6	264.5	254.1	10.38	25.479		
3,100.0	3,088.1	3,086.6	3,086.0	7.0	5.4	-173.35	-22.7	28.8	274.8	264.1	10.74	25.581		
3,200.0	3,187.6	3,186.0	3,185.2	7.3	5.5	-172.41	-28.1	31.0	285.3	274.2	11.11	25.678		
3,300.0	3,287.1	3,285.3	3,284.4	7.5	5.7	-171.54	-33.5	33.1	295.8	284.3	11.48	25.771		
3,400.0	3,386.6	3,384.7	3,383.5	7.8	5.9	-170.72	-38.9	35.3	306.3	294.5	11.85	25.858		
3,500.0	3,486.2	3,484.0	3,482.7	8.0	6.1	-169.96	-44.3	37.5	316.9	304.7	12.22	25.942		
3,600.0	3,585.7	3,583.4	3,581.9	8.2	6.3	-169.25	-49.7	39.7	327.6	315.0	12.59	26.022		
3,700.0	3,685.2	3,682.7	3,681.1	8.5	6.5	-168.59	-55.1	41.9	338.3	325.3	12.96	26.098		
3,800.0	3,784.8	3,782.1	3,780.3	8.7	6.7	-167.96	-60.5	44.0	349.1	335.7	13.34	26.170		
3,900.0	3,884.3	3,881.4	3,879.4	9.0	6.9	-167.38	-65.9	46.2	359.9	346.1	13.71	26.240		
4,000.0	3,983.8	3,980.8	3,978.6	9.2	7.0	-166.82	-71.3	48.4	370.7	356.6	14.09	26.306		
4,100.0	4,083.3	4,080.1	4,077.8	9.5	7.2	-166.30	-76.7	50.6	381.5	367.1	14.47	26.369		
4,200.0	4,182.9	4,179.5	4,177.0	9.7	7.4	-165.81	-82.1	52.8	392.4	377.6	14.85	26.430		
4,300.0	4,282.4	4,278.8	4,276.2	9.9	7.6	-165.34	-87.5	54.9	403.4	388.1	15.23	26.489		
4,400.0	4,381.9	4,378.2	4,375.3	10.2	7.8	-164.90	-92.9	57.1	414.3	398.7	15.61	26.545		
4,500.0	4,481.4	4,477.5	4,474.5	10.4	8.0	-164.48	-98.3	59.3	425.3	409.3	15.99	26.599		
4,600.0	4,581.0	4,576.9	4,573.7	10.7	8.2	-164.08	-103.7	61.5	436.3	419.9	16.37	26.651		
4,700.0	4,680.5	4,676.2	4,672.9	10.9	8.4	-163.70	-109.1	63.7	447.3	430.5	16.75	26.701		
4,800.0	4,780.0	4,775.6	4,772.1	11.2	8.6	-163.34	-114.4	65.8	458.3	441.2	17.13	26.749		
4,900.0	4,879.6	4,874.9	4,871.2	11.4	8.8	-163.00	-119.8	68.0	469.3	451.8	17.52	26.795		
5,000.0	4,979.1	4,974.3	4,970.4	11.7	9.0	-162.67	-125.2	70.2	480.4	462.5	17.90	26.840		
5,100.0	5,078.6	5,073.6	5,069.6	11.9	9.2	-162.36	-130.6	72.4	491.5	473.2	18.28	26.883		

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

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3H-22H-N268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	90.02	0.0	30.8	30.8					
100.0	100.0	100.0	100.0	0.1	0.1	90.02	0.0	30.8	30.8	30.5	0.26	117.509		
200.0	200.0	200.0	200.0	0.3	0.3	90.02	0.0	30.8	30.8	30.2	0.61	50.361 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-159.23	0.0	30.8	31.6	30.6	0.96	32.895		
400.0	400.0	400.0	400.0	0.7	0.7	-160.78	0.0	30.8	34.0	32.7	1.31	25.999		
500.0	499.9	499.9	499.9	0.8	0.8	-162.93	0.0	30.8	38.2	36.5	1.66	23.023		
600.0	599.7	599.0	599.0	1.0	1.0	-164.63	-0.4	31.5	44.8	42.8	2.01	22.317 SF		
700.0	699.4	697.8	697.8	1.3	1.2	-165.33	-1.5	33.8	54.5	52.2	2.36	23.155		
800.0	798.9	796.1	796.0	1.5	1.4	-165.34	-3.4	37.6	67.2	64.5	2.71	24.852		
900.0	898.4	894.0	893.7	1.7	1.5	-164.75	-6.0	42.9	81.6	78.6	3.06	26.679		
1,000.0	998.0	992.0	991.4	2.0	1.7	-163.85	-9.4	49.6	97.4	94.0	3.42	28.493		
1,100.0	1,097.5	1,090.6	1,089.7	2.2	1.9	-163.09	-12.9	56.6	113.5	109.7	3.78	30.025		
1,200.0	1,197.0	1,189.3	1,188.1	2.4	2.2	-162.52	-16.4	63.7	129.6	125.4	4.14	31.285		
1,300.0	1,296.6	1,288.0	1,286.5	2.7	2.4	-162.08	-19.9	70.7	145.7	141.2	4.50	32.339		
1,400.0	1,396.1	1,386.7	1,384.9	2.9	2.6	-161.72	-23.4	77.8	161.8	156.9	4.87	33.233		
1,500.0	1,495.6	1,485.4	1,483.2	3.2	2.8	-161.43	-26.9	84.9	177.9	172.7	5.23	34.001		
1,600.0	1,595.1	1,584.1	1,581.6	3.4	3.0	-161.19	-30.4	91.9	194.0	188.4	5.60	34.668		
1,700.0	1,694.7	1,682.8	1,680.0	3.6	3.2	-160.98	-33.9	99.0	210.2	204.2	5.96	35.251		
1,800.0	1,794.2	1,781.5	1,778.3	3.9	3.4	-160.81	-37.4	106.0	226.3	220.0	6.33	35.767		
1,900.0	1,893.7	1,880.2	1,876.7	4.1	3.6	-160.66	-40.9	113.1	242.4	235.7	6.69	36.225		
2,000.0	1,993.3	1,978.8	1,975.1	4.4	3.9	-160.52	-44.4	120.1	258.5	251.5	7.06	36.636		
2,100.0	2,092.8	2,077.5	2,073.5	4.6	4.1	-160.41	-47.9	127.2	274.7	267.3	7.42	37.005		
2,200.0	2,192.3	2,176.2	2,171.8	4.8	4.3	-160.30	-51.4	134.3	290.8	283.0	7.79	37.339		
2,300.0	2,291.8	2,274.9	2,270.2	5.1	4.5	-160.21	-55.0	141.3	306.9	298.8	8.15	37.643		
2,400.0	2,391.4	2,373.6	2,368.6	5.3	4.7	-160.12	-58.5	148.4	323.1	314.6	8.52	37.920		
2,500.0	2,490.9	2,472.3	2,467.0	5.6	4.9	-160.05	-62.0	155.4	339.2	330.3	8.89	38.175		
2,600.0	2,590.4	2,571.0	2,565.3	5.8	5.2	-159.98	-65.5	162.5	355.3	346.1	9.25	38.409		
2,700.0	2,689.9	2,669.7	2,663.7	6.1	5.4	-159.91	-69.0	169.5	371.5	361.9	9.62	38.625		
2,800.0	2,789.5	2,768.4	2,762.1	6.3	5.6	-159.86	-72.5	176.6	387.6	377.6	9.98	38.825		
2,900.0	2,889.0	2,867.0	2,860.5	6.5	5.8	-159.80	-76.0	183.6	403.7	393.4	10.35	39.010		
3,000.0	2,988.5	2,965.7	2,958.8	6.8	6.0	-159.75	-79.5	190.7	419.9	409.2	10.72	39.183		
3,100.0	3,088.1	3,064.4	3,057.2	7.0	6.3	-159.71	-83.0	197.8	436.0	424.9	11.08	39.345		
3,200.0	3,187.6	3,163.1	3,155.6	7.3	6.5	-159.66	-86.5	204.8	452.2	440.7	11.45	39.496		
3,300.0	3,287.1	3,261.8	3,254.0	7.5	6.7	-159.63	-90.0	211.9	468.3	456.5	11.81	39.637		
3,400.0	3,386.6	3,360.5	3,352.3	7.8	6.9	-159.59	-93.5	218.9	484.4	472.3	12.18	39.770		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3E-22H-N268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	KB @ 5000.0ft
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	KB @ 5000.0ft
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3E-22H-N268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB @ 5000.0ft

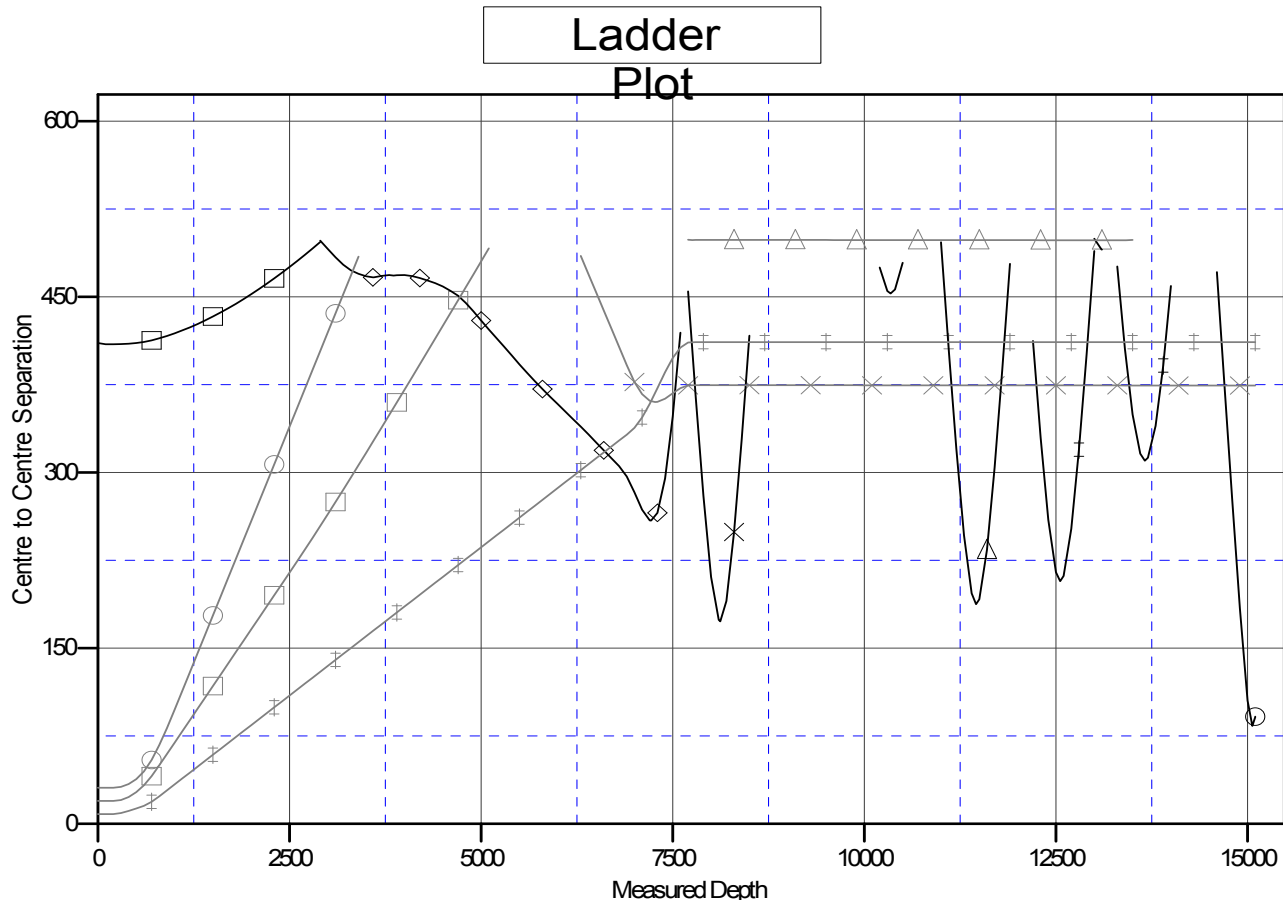
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Jillson-East Rinn 3E-22H-N268

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.33°



### LEGEND

ESSELS WELL, NOSURVEYS - AL V0	JILLSON 22-22 (EXISTING), ENCANA WELL, NOSURVEYS V0	Jillson-East Rinn 3D-22H-M268, H
ANA WELL, SURVEYS V0	JILLSON 2-8-22 (EXISTING), ENCANA WELL, SURVEYS V0	Jillson-East Rinn 3F-22H-N268, H
ANA WELL, SURVEYS V0	JILLSON 6 (EXISTING), FOUNDATION WELL, NOSURVEYS V0	Jillson-East Rinn 3G-22H-N268, H
ANA WELL, SURVEYS V0	JILLSON GAS UNIT 1 (EXISTING), ENCANA WELL, NOSURVEYS V0	Jillson-East Rinn 3H-22H-N268, H
.WELL, NOSURVEYS V0	Jillson-East Rinn 3C-22H-M268, Hz, Plan #1 V0	