

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

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

Site		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 3D-22H-M268					
Well Position	+N/-S	0.0 ft	Northing:	1,286,200.60 ft	Latitude:	40.117908
	+E/-W	0.0 ft	Easting:	3,140,881.35 ft	Longitude:	-104.996277
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,950.0 ft

<b>Wellbore</b>	Hz				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2010	7/9/2013	8.69	66.71	52,740

<b>Design</b>	Plan #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
836.2	3.36	160.22	836.0	-9.3	3.3	1.00	1.00	0.00	160.22	
6,866.1	3.36	160.22	6,855.5	-342.0	123.0	0.00	0.00	0.00	0.00	
7,797.7	90.00	0.00	7,460.0	230.0	135.0	10.00	9.30	-17.20	-160.19	
9,167.7	90.00	0.00	7,460.0	1,600.0	135.0	0.00	0.00	0.00	0.00	Jillson-East Rinn 3D-2
9,202.2	90.00	359.31	7,460.0	1,634.5	134.8	2.00	0.00	-2.00	-90.00	
15,173.6	90.00	359.31	7,460.0	7,605.5	62.9	0.00	0.00	0.00	0.00	Jillson-East Rinn 3D-2

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<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
282.0	0.00	0.00	282.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	KOP @ 500'
600.0	1.00	160.22	600.0	-0.8	0.3	-0.8	1.00	1.00	
700.0	2.00	160.22	700.0	-3.3	1.2	-3.3	1.00	1.00	
800.0	3.00	160.22	799.9	-7.4	2.7	-7.4	1.00	1.00	
836.2	3.36	160.22	836.0	-9.3	3.3	-9.3	1.00	1.00	EOB: Inc=3.36°
900.0	3.36	160.22	899.7	-12.8	4.6	-12.8	0.00	0.00	
1,000.0	3.36	160.22	999.5	-18.3	6.6	-18.3	0.00	0.00	
1,100.0	3.36	160.22	1,099.4	-23.8	8.6	-23.8	0.00	0.00	
1,200.0	3.36	160.22	1,199.2	-29.4	10.6	-29.4	0.00	0.00	
1,300.0	3.36	160.22	1,299.0	-34.9	12.5	-34.9	0.00	0.00	
1,400.0	3.36	160.22	1,398.8	-40.4	14.5	-40.4	0.00	0.00	
1,500.0	3.36	160.22	1,498.7	-45.9	16.5	-45.9	0.00	0.00	
1,600.0	3.36	160.22	1,598.5	-51.4	18.5	-51.4	0.00	0.00	
1,700.0	3.36	160.22	1,698.3	-56.9	20.5	-56.9	0.00	0.00	
1,800.0	3.36	160.22	1,798.1	-62.5	22.5	-62.5	0.00	0.00	
1,900.0	3.36	160.22	1,898.0	-68.0	24.4	-68.0	0.00	0.00	
2,000.0	3.36	160.22	1,997.8	-73.5	26.4	-73.5	0.00	0.00	
2,100.0	3.36	160.22	2,097.6	-79.0	28.4	-79.0	0.00	0.00	
2,200.0	3.36	160.22	2,197.5	-84.5	30.4	-84.5	0.00	0.00	
2,300.0	3.36	160.22	2,297.3	-90.1	32.4	-90.1	0.00	0.00	
2,400.0	3.36	160.22	2,397.1	-95.6	34.4	-95.6	0.00	0.00	
2,500.0	3.36	160.22	2,496.9	-101.1	36.4	-101.1	0.00	0.00	
2,600.0	3.36	160.22	2,596.8	-106.6	38.3	-106.6	0.00	0.00	
2,700.0	3.36	160.22	2,696.6	-112.1	40.3	-112.1	0.00	0.00	
2,800.0	3.36	160.22	2,796.4	-117.7	42.3	-117.7	0.00	0.00	
2,900.0	3.36	160.22	2,896.3	-123.2	44.3	-123.2	0.00	0.00	
3,000.0	3.36	160.22	2,996.1	-128.7	46.3	-128.7	0.00	0.00	
3,100.0	3.36	160.22	3,095.9	-134.2	48.3	-134.2	0.00	0.00	
3,200.0	3.36	160.22	3,195.7	-139.7	50.2	-139.7	0.00	0.00	
3,300.0	3.36	160.22	3,295.6	-145.2	52.2	-145.2	0.00	0.00	
3,400.0	3.36	160.22	3,395.4	-150.8	54.2	-150.8	0.00	0.00	
3,500.0	3.36	160.22	3,495.2	-156.3	56.2	-156.3	0.00	0.00	
3,600.0	3.36	160.22	3,595.1	-161.8	58.2	-161.8	0.00	0.00	
3,700.0	3.36	160.22	3,694.9	-167.3	60.2	-167.3	0.00	0.00	
3,800.0	3.36	160.22	3,794.7	-172.8	62.1	-172.8	0.00	0.00	
3,900.0	3.36	160.22	3,894.5	-178.4	64.1	-178.4	0.00	0.00	
4,000.0	3.36	160.22	3,994.4	-183.9	66.1	-183.9	0.00	0.00	
4,100.0	3.36	160.22	4,094.2	-189.4	68.1	-189.4	0.00	0.00	
4,200.0	3.36	160.22	4,194.0	-194.9	70.1	-194.9	0.00	0.00	
4,300.0	3.36	160.22	4,293.8	-200.4	72.1	-200.4	0.00	0.00	
4,357.3	3.36	160.22	4,351.0	-203.6	73.2	-203.6	0.00	0.00	Sussex
4,400.0	3.36	160.22	4,393.7	-205.9	74.1	-205.9	0.00	0.00	
4,500.0	3.36	160.22	4,493.5	-211.5	76.0	-211.5	0.00	0.00	
4,600.0	3.36	160.22	4,593.3	-217.0	78.0	-217.0	0.00	0.00	
4,700.0	3.36	160.22	4,693.2	-222.5	80.0	-222.5	0.00	0.00	
4,800.0	3.36	160.22	4,793.0	-228.0	82.0	-228.0	0.00	0.00	

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<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

## Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,900.0	3.36	160.22	4,892.8	-233.5	84.0	-233.5	0.00	0.00	
4,913.2	3.36	160.22	4,906.0	-234.3	84.2	-234.3	0.00	0.00	Shannon
5,000.0	3.36	160.22	4,992.6	-239.1	86.0	-239.1	0.00	0.00	
5,100.0	3.36	160.22	5,092.5	-244.6	87.9	-244.6	0.00	0.00	
5,200.0	3.36	160.22	5,192.3	-250.1	89.9	-250.1	0.00	0.00	
5,300.0	3.36	160.22	5,292.1	-255.6	91.9	-255.6	0.00	0.00	
5,400.0	3.36	160.22	5,392.0	-261.1	93.9	-261.1	0.00	0.00	
5,500.0	3.36	160.22	5,491.8	-266.6	95.9	-266.6	0.00	0.00	
5,600.0	3.36	160.22	5,591.6	-272.2	97.9	-272.2	0.00	0.00	
5,700.0	3.36	160.22	5,691.4	-277.7	99.8	-277.7	0.00	0.00	
5,800.0	3.36	160.22	5,791.3	-283.2	101.8	-283.2	0.00	0.00	
5,900.0	3.36	160.22	5,891.1	-288.7	103.8	-288.7	0.00	0.00	
6,000.0	3.36	160.22	5,990.9	-294.2	105.8	-294.2	0.00	0.00	
6,100.0	3.36	160.22	6,090.7	-299.8	107.8	-299.8	0.00	0.00	
6,200.0	3.36	160.22	6,190.6	-305.3	109.8	-305.3	0.00	0.00	
6,300.0	3.36	160.22	6,290.4	-310.8	111.8	-310.8	0.00	0.00	
6,400.0	3.36	160.22	6,390.2	-316.3	113.7	-316.3	0.00	0.00	
6,471.9	3.36	160.22	6,462.0	-320.3	115.2	-320.3	0.00	0.00	Teepee Buttes (*if present)
6,500.0	3.36	160.22	6,490.1	-321.8	115.7	-321.8	0.00	0.00	
6,600.0	3.36	160.22	6,589.9	-327.4	117.7	-327.4	0.00	0.00	
6,700.0	3.36	160.22	6,689.7	-332.9	119.7	-332.9	0.00	0.00	
6,800.0	3.36	160.22	6,789.5	-338.4	121.7	-338.4	0.00	0.00	
6,866.1	3.36	160.22	6,855.5	-342.0	123.0	-342.0	0.00	0.00	Start build/turn @ 6866' MD
6,900.0	1.16	78.81	6,889.4	-342.9	123.7	-342.9	10.00	-6.50	
7,000.0	10.29	6.29	6,988.8	-333.8	125.6	-333.8	10.00	9.13	
7,100.0	20.26	3.09	7,085.2	-307.6	127.6	-307.6	10.00	9.97	
7,200.0	30.24	1.95	7,175.5	-265.0	129.3	-265.0	10.00	9.99	
7,250.5	35.29	1.61	7,218.0	-237.7	130.2	-237.7	10.00	9.99	Sharon Springs
7,300.0	40.24	1.35	7,257.1	-207.4	131.0	-207.4	10.00	9.99	
7,366.1	46.85	1.07	7,305.0	-161.9	131.9	-161.9	10.00	10.00	Niobrara
7,400.0	50.23	0.95	7,327.4	-136.5	132.4	-136.5	10.00	10.00	
7,475.9	57.83	0.72	7,372.0	-75.1	133.3	-75.1	10.00	10.00	B Chalk
7,500.0	60.23	0.65	7,384.4	-54.5	133.5	-54.5	10.00	10.00	
7,520.0	62.23	0.60	7,394.0	-37.0	133.7	-37.0	10.00	10.00	B Marl
7,600.0	70.23	0.41	7,426.2	36.2	134.3	36.2	10.00	10.00	
7,700.0	80.23	0.20	7,451.7	132.8	134.8	132.8	10.00	10.00	
7,722.0	82.43	0.15	7,455.0	154.5	134.9	154.5	10.00	10.00	C Chalk
7,797.7	90.00	0.00	7,460.0	230.0	135.0	230.0	10.00	10.00	LP @ 7460' TVD; 90°
7,800.0	90.00	0.00	7,460.0	232.3	135.0	232.3	0.00	0.00	
7,900.0	90.00	0.00	7,460.0	332.3	135.0	332.3	0.00	0.00	
8,000.0	90.00	0.00	7,460.0	432.3	135.0	432.3	0.00	0.00	
8,100.0	90.00	0.00	7,460.0	532.3	135.0	532.3	0.00	0.00	
8,200.0	90.00	0.00	7,460.0	632.3	135.0	632.3	0.00	0.00	
8,300.0	90.00	0.00	7,460.0	732.3	135.0	732.3	0.00	0.00	
8,400.0	90.00	0.00	7,460.0	832.3	135.0	832.3	0.00	0.00	
8,500.0	90.00	0.00	7,460.0	932.3	135.0	932.3	0.00	0.00	
8,600.0	90.00	0.00	7,460.0	1,032.3	135.0	1,032.3	0.00	0.00	
8,700.0	90.00	0.00	7,460.0	1,132.3	135.0	1,132.3	0.00	0.00	
8,800.0	90.00	0.00	7,460.0	1,232.3	135.0	1,232.3	0.00	0.00	
8,900.0	90.00	0.00	7,460.0	1,332.3	135.0	1,332.3	0.00	0.00	
9,000.0	90.00	0.00	7,460.0	1,432.3	135.0	1,432.3	0.00	0.00	
9,100.0	90.00	0.00	7,460.0	1,532.3	135.0	1,532.3	0.00	0.00	

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<b>Wellbore:</b>	Hz		
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## 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
9,167.7	90.00	0.00	7,460.0	1,600.0	135.0	1,600.0	0.00	0.00	Start turn @ 9167' MD
9,200.0	90.00	359.35	7,460.0	1,632.3	134.8	1,632.3	2.00	0.00	
9,202.2	90.00	359.31	7,460.0	1,634.5	134.8	1,634.5	2.00	0.00	End of turn @ 9202' MD
9,300.0	90.00	359.31	7,460.0	1,732.3	133.6	1,732.3	0.00	0.00	
9,400.0	90.00	359.31	7,460.0	1,832.3	132.4	1,832.3	0.00	0.00	
9,500.0	90.00	359.31	7,460.0	1,932.3	131.2	1,932.3	0.00	0.00	
9,600.0	90.00	359.31	7,460.0	2,032.3	130.0	2,032.3	0.00	0.00	
9,700.0	90.00	359.31	7,460.0	2,132.3	128.8	2,132.3	0.00	0.00	
9,800.0	90.00	359.31	7,460.0	2,232.3	127.6	2,232.3	0.00	0.00	
9,900.0	90.00	359.31	7,460.0	2,332.2	126.4	2,332.2	0.00	0.00	
10,000.0	90.00	359.31	7,460.0	2,432.2	125.2	2,432.2	0.00	0.00	
10,100.0	90.00	359.31	7,460.0	2,532.2	124.0	2,532.2	0.00	0.00	
10,200.0	90.00	359.31	7,460.0	2,632.2	122.8	2,632.2	0.00	0.00	
10,300.0	90.00	359.31	7,460.0	2,732.2	121.6	2,732.2	0.00	0.00	
10,400.0	90.00	359.31	7,460.0	2,832.2	120.4	2,832.2	0.00	0.00	
10,500.0	90.00	359.31	7,460.0	2,932.2	119.2	2,932.2	0.00	0.00	
10,600.0	90.00	359.31	7,460.0	3,032.2	118.0	3,032.2	0.00	0.00	
10,700.0	90.00	359.31	7,460.0	3,132.2	116.8	3,132.2	0.00	0.00	
10,800.0	90.00	359.31	7,460.0	3,232.2	115.6	3,232.2	0.00	0.00	
10,900.0	90.00	359.31	7,460.0	3,332.2	114.4	3,332.2	0.00	0.00	
11,000.0	90.00	359.31	7,460.0	3,432.2	113.2	3,432.2	0.00	0.00	
11,100.0	90.00	359.31	7,460.0	3,532.2	111.9	3,532.2	0.00	0.00	
11,200.0	90.00	359.31	7,460.0	3,632.2	110.7	3,632.2	0.00	0.00	
11,300.0	90.00	359.31	7,460.0	3,732.1	109.5	3,732.1	0.00	0.00	
11,400.0	90.00	359.31	7,460.0	3,832.1	108.3	3,832.1	0.00	0.00	
11,500.0	90.00	359.31	7,460.0	3,932.1	107.1	3,932.1	0.00	0.00	
11,600.0	90.00	359.31	7,460.0	4,032.1	105.9	4,032.1	0.00	0.00	
11,700.0	90.00	359.31	7,460.0	4,132.1	104.7	4,132.1	0.00	0.00	
11,800.0	90.00	359.31	7,460.0	4,232.1	103.5	4,232.1	0.00	0.00	
11,900.0	90.00	359.31	7,460.0	4,332.1	102.3	4,332.1	0.00	0.00	
12,000.0	90.00	359.31	7,460.0	4,432.1	101.1	4,432.1	0.00	0.00	
12,100.0	90.00	359.31	7,460.0	4,532.1	99.9	4,532.1	0.00	0.00	
12,200.0	90.00	359.31	7,460.0	4,632.1	98.7	4,632.1	0.00	0.00	
12,300.0	90.00	359.31	7,460.0	4,732.1	97.5	4,732.1	0.00	0.00	
12,400.0	90.00	359.31	7,460.0	4,832.1	96.3	4,832.1	0.00	0.00	
12,500.0	90.00	359.31	7,460.0	4,932.1	95.1	4,932.1	0.00	0.00	
12,600.0	90.00	359.31	7,460.0	5,032.1	93.9	5,032.1	0.00	0.00	
12,700.0	90.00	359.31	7,460.0	5,132.0	92.7	5,132.0	0.00	0.00	
12,800.0	90.00	359.31	7,460.0	5,232.0	91.5	5,232.0	0.00	0.00	
12,900.0	90.00	359.31	7,460.0	5,332.0	90.3	5,332.0	0.00	0.00	
13,000.0	90.00	359.31	7,460.0	5,432.0	89.1	5,432.0	0.00	0.00	
13,100.0	90.00	359.31	7,460.0	5,532.0	87.9	5,532.0	0.00	0.00	
13,200.0	90.00	359.31	7,460.0	5,632.0	86.7	5,632.0	0.00	0.00	
13,300.0	90.00	359.31	7,460.0	5,732.0	85.5	5,732.0	0.00	0.00	
13,400.0	90.00	359.31	7,460.0	5,832.0	84.3	5,832.0	0.00	0.00	
13,500.0	90.00	359.31	7,460.0	5,932.0	83.1	5,932.0	0.00	0.00	
13,600.0	90.00	359.31	7,460.0	6,032.0	81.8	6,032.0	0.00	0.00	
13,700.0	90.00	359.31	7,460.0	6,132.0	80.6	6,132.0	0.00	0.00	
13,800.0	90.00	359.31	7,460.0	6,232.0	79.4	6,232.0	0.00	0.00	
13,900.0	90.00	359.31	7,460.0	6,332.0	78.2	6,332.0	0.00	0.00	
14,000.0	90.00	359.31	7,460.0	6,432.0	77.0	6,432.0	0.00	0.00	
14,100.0	90.00	359.31	7,460.0	6,531.9	75.8	6,531.9	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 3D-22H-M268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

### Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
14,200.0	90.00	359.31	7,460.0	6,631.9	74.6	6,631.9	0.00	0.00	
14,300.0	90.00	359.31	7,460.0	6,731.9	73.4	6,731.9	0.00	0.00	
14,400.0	90.00	359.31	7,460.0	6,831.9	72.2	6,831.9	0.00	0.00	
14,500.0	90.00	359.31	7,460.0	6,931.9	71.0	6,931.9	0.00	0.00	
14,600.0	90.00	359.31	7,460.0	7,031.9	69.8	7,031.9	0.00	0.00	
14,700.0	90.00	359.31	7,460.0	7,131.9	68.6	7,131.9	0.00	0.00	
14,800.0	90.00	359.31	7,460.0	7,231.9	67.4	7,231.9	0.00	0.00	
14,900.0	90.00	359.31	7,460.0	7,331.9	66.2	7,331.9	0.00	0.00	
15,000.0	90.00	359.31	7,460.0	7,431.9	65.0	7,431.9	0.00	0.00	
15,100.0	90.00	359.31	7,460.0	7,531.9	63.8	7,531.9	0.00	0.00	
15,173.6	90.00	359.31	7,460.0	7,605.5	62.9	7,605.5	0.00	0.00	TD at 15173.6

### Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Jillson-East Rinn 3D-22H - plan hits target center - Point	0.00	0.00	7,460.0	7,605.5	62.9	1,293,806.28	3,140,901.05	40.138786	-104.996052
Jillson-East Rinn 3D-22H - plan misses target center by 103.0ft at 15173.6ft MD (7460.0 TVD, 7605.5 N, 62.9 E) - Point	0.00	0.00	7,563.0	7,605.5	62.9	1,293,806.28	3,140,901.05	40.138786	-104.996052
Jillson-East Rinn 3D-22H - plan hits target center - Point	0.00	0.00	7,460.0	1,600.0	135.0	1,287,801.38	3,141,007.25	40.122300	-104.995794

### Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
282.0	282.0	Fox Hills - BASE			
4,357.3	4,351.0	Sussex			
4,913.2	4,906.0	Shannon			
6,471.9	6,462.0	Teepee Buttes (*if present)			
7,250.5	7,218.0	Sharon Springs			
7,366.1	7,305.0	Niobrara			
7,475.9	7,372.0	B Chalk			
7,520.0	7,394.0	B Marl			
7,722.0	7,455.0	C Chalk			

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Project:</b>	DJ Wattenberg	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>North Reference:</b>	True
<b>Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Hz		
<b>Design:</b>	Plan #2		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.0	500.0	0.0	0.0	KOP @ 500'
836.2	836.0	-9.3	3.3	EOB: Inc=3.36°
6,866.1	6,855.5	-342.0	123.0	Start build/turn @ 6866' MD
7,797.7	7,460.0	230.0	135.0	LP @ 7460' TVD; 90°
9,167.7	7,460.0	1,600.0	135.0	Start turn @ 9167' MD
9,202.2	7,460.0	1,634.5	134.8	End of turn @ 9202' MD
15,173.6	7,460.0	7,605.5	62.9	TD at 15173.6

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

**DJ Wattenberg**

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

**Jillson-East Rinn 3D-22H-M268**

**Hz**

**Plan #2**

## **Anticollision Report**

**13 May, 2014**



## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

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

<b>Survey Tool Program</b>		<b>Date</b>	5/13/2014		
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	15,173.6	Plan #2 (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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

## Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
S22-T2N-R68W (Jillson-East Rinn)						
ANDERSON 23-22 (EXISTING) - ENCANA WELL - NO S						Out of range
ANDERSON 31-22 (EXISTING) - KERR-MCGEE WELL	11,079.4	7,486.6	748.6	666.5	9.118	CC
ANDERSON 31-22 (EXISTING) - KERR-MCGEE WELL	11,100.0	7,486.6	748.9	666.5	9.082	ES
ANDERSON 31-22 (EXISTING) - KERR-MCGEE WELL	11,200.0	7,486.6	758.3	674.1	9.008	SF
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	14,485.5	7,763.8	133.2	-5.7	0.959	Level 1, CC, ES, SF
EAST RINN 15-14 (EXISTING) AL - VESSELS WELL - N						Out of range
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	15,125.6	7,549.0	612.2	463.6	4.118	CC, ES
EAST RINN 2-4-15 (EXISTING) - ENCANA WELL - SUR	15,173.6	7,548.9	614.1	464.6	4.108	SF
EAST RINN 2-8-15 (EXISTING) - ENCANA WELL - SUR	12,623.9	7,976.2	461.4	328.3	3.466	CC, ES, SF
EAST RINN 3-6-15 (EXISTING) - ENCANA WELL - SUR	13,720.1	7,572.0	992.4	858.1	7.388	CC, ES
EAST RINN 3-6-15 (EXISTING) - ENCANA WELL - SUR	13,800.0	7,572.4	995.6	859.9	7.336	SF
EAST RINN H UNIT 1 (EXISTING) - ENCANA WELL - N	13,507.6	7,371.0	121.2	1.6	1.014	Level 2, CC, ES, SF
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
HOPPER 23-15 (EXISTING) - KERR-MCGEE WELL - SU						Out of range
JILLSON 0-6-22 (EXISTING) - ENCANA WELL - SURVE	8,473.9	7,741.5	742.1	705.6	20.376	CC, ES
JILLSON 0-6-22 (EXISTING) - ENCANA WELL - SURVE	8,700.0	7,744.4	775.7	736.0	19.536	SF
JILLSON 11-22 (EXISTING) - ENCANA WELL - GYRO	11,758.9	7,379.4	357.4	268.2	4.006	CC, ES
JILLSON 11-22 (EXISTING) - ENCANA WELL - GYRO	11,800.0	7,379.2	359.8	269.8	4.000	SF
JILLSON 1-22 (EXISTING) - ENCANA WELL - NO SURV	11,520.0	7,390.0	843.3	758.2	9.910	CC, ES
JILLSON 1-22 (EXISTING) - ENCANA WELL - NO SURV	11,700.0	7,390.0	862.3	774.1	9.776	SF
JILLSON 12-22 (EXISTING) - ENCANA WELL - GYRO	10,300.1	7,398.3	231.5	167.3	3.605	CC, ES, SF
JILLSON 14-22 (EXISTING) - ENCANA WELL - GYRO	7,870.0	7,445.3	177.9	150.1	6.385	CC, ES, SF
JILLSON 21-22 (EXISTING) - ENCANA WELL - NO SUR						Out of range
JILLSON 22-22 (EXISTING) - ENCANA WELL - NO SUR						Out of range
JILLSON 2-8-22 (EXISTING) - ENCANA WELL - SURVE	7,263.6	7,362.6	394.4	361.8	12.078	CC, ES
JILLSON 2-8-22 (EXISTING) - ENCANA WELL - SURVE	7,300.0	7,391.1	395.1	362.3	12.053	SF
JILLSON 3 (EXISTING) - FOUNDATION WELL - NO SU	500.0	480.0	272.1	270.4	161.686	CC, ES
JILLSON 3 (EXISTING) - FOUNDATION WELL - NO SU	5,100.0	5,039.0	531.6	514.0	30.091	SF
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						Out of range
JILLSON GAS UNIT 1 (EXISTING) - ENCANA WELL - N	8,190.6	7,456.0	800.8	769.6	25.665	CC
JILLSON GAS UNIT 1 (EXISTING) - ENCANA WELL - N	8,200.0	7,456.0	800.8	769.5	25.576	ES
JILLSON GAS UNIT 1 (EXISTING) - ENCANA WELL - N	8,500.0	7,456.0	858.4	823.1	24.310	SF
Jillson-East Rinn 3A-22H-M268 - Hz - Plan #2	200.0	200.0	30.2	29.6	46.646	CC, ES
Jillson-East Rinn 3A-22H-M268 - Hz - Plan #2	15,173.6	15,167.9	585.2	313.8	2.156	SF
Jillson-East Rinn 3B-22H-M268 - Hz - Plan #3	300.0	300.0	20.1	19.1	20.205	CC, ES
Jillson-East Rinn 3B-22H-M268 - Hz - Plan #3	15,173.6	15,302.1	424.5	165.0	1.636	SF
Jillson-East Rinn 3C-22H-M268 - Hz - Plan #2	500.0	500.0	10.1	8.4	5.941	CC
Jillson-East Rinn 3C-22H-M268 - Hz - Plan #2	15,173.6	15,090.7	217.4	-33.1	0.868	Level 1, ES, SF
Jillson-East Rinn 3E-22H-M268 - Hz - Plan #2	300.0	297.0	9.8	8.8	9.881	CC, ES
Jillson-East Rinn 3E-22H-M268 - Hz - Plan #2	15,173.6	15,306.1	243.5	18.8	1.084	Level 2, SF
Jillson-East Rinn 3F-22H-M268 - Hz - Plan #2	300.0	300.0	19.9	18.9	19.928	CC, ES
Jillson-East Rinn 3F-22H-M268 - Hz - Plan #2	15,173.6	15,088.4	407.9	141.8	1.533	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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
S22-T2N-R68W (Jillson-East Rinn)						
Jillson-East Rinn 3G-22H-N268 - Hz - Plan #2	9,100.0	9,166.3	628.0	563.4	9.713	CC
Jillson-East Rinn 3G-22H-N268 - Hz - Plan #2	15,173.6	15,238.3	699.8	426.2	2.558	ES, SF
Jillson-East Rinn 3H-22H-N268 - Hz - Plan #3	13,730.2	13,875.3	939.4	717.7	4.238	CC
Jillson-East Rinn 3H-22H-N268 - Hz - Plan #3	13,800.0	13,928.0	940.0	716.3	4.200	ES
Jillson-East Rinn 3H-22H-N268 - Hz - Plan #3	14,500.0	14,558.0	993.1	746.1	4.021	SF
Jillson-East Rinn 3I-22H-N268 - Hz - Plan #1						Out of range
Jillson-East Rinn 3J-22H-N268 - Hz - Plan #1						Out of range
NYGREN 12-22 (EXISTING) - KERR-MCGEE WELL - G	9,137.1	7,419.0	77.4	32.4	1.721	CC, ES, SF

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - ANDERSON 31-22 (EXISTING) - KERR-MCGEE WELL - NO SUR													Offset Site Error:	0.0 ft
Survey Program: 1500-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,500.0	7,460.0	7,486.6	7,384.0	54.8	19.5	-90.00	3,502.5	-636.4	946.6	874.4	72.19	13.112		
10,600.0	7,460.0	7,486.6	7,384.0	56.5	19.5	-90.00	3,502.5	-636.4	889.0	815.1	73.90	12.029		
10,700.0	7,460.0	7,486.6	7,384.0	58.2	19.5	-90.00	3,502.5	-636.4	839.3	763.7	75.61	11.101		
10,800.0	7,460.0	7,486.6	7,384.0	59.9	19.5	-90.00	3,502.5	-636.4	799.1	721.7	77.32	10.335		
10,900.0	7,460.0	7,486.6	7,384.0	61.6	19.5	-90.00	3,502.5	-636.4	769.8	690.8	79.03	9.741		
11,000.0	7,460.0	7,486.6	7,384.0	63.3	19.5	-90.00	3,502.5	-636.4	752.8	672.1	80.75	9.324		
11,079.4	7,460.0	7,486.6	7,384.0	64.7	19.5	-90.00	3,502.5	-636.4	748.6	666.5	82.11	9.118 CC		
11,100.0	7,460.0	7,486.6	7,384.0	65.0	19.5	-90.00	3,502.5	-636.4	748.9	666.5	82.46	9.082 ES		
11,200.0	7,460.0	7,486.6	7,384.0	66.7	19.5	-90.00	3,502.5	-636.4	758.3	674.1	84.18	9.008 SF		
11,300.0	7,460.0	7,486.6	7,384.0	68.5	19.5	-90.00	3,502.5	-636.4	780.5	694.6	85.90	9.085		
11,400.0	7,460.0	7,486.6	7,384.0	70.2	19.5	-90.00	3,502.5	-636.4	814.4	726.8	87.63	9.294		
11,500.0	7,460.0	7,486.6	7,384.0	71.9	19.5	-90.00	3,502.5	-636.4	858.7	769.4	89.35	9.611		
11,600.0	7,460.0	7,486.6	7,384.0	73.6	19.5	-90.00	3,502.5	-636.4	911.9	820.8	91.08	10.012		
11,700.0	7,460.0	7,486.6	7,384.0	75.4	19.5	-90.00	3,502.5	-636.4	972.4	879.6	92.80	10.479		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - EAST RINN 13-15 (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						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
13,500.0	7,460.0	7,769.8	7,388.0	106.6	37.0	-92.41	6,915.8	-62.0	994.5	873.0	121.50	8.185	
13,600.0	7,460.0	7,769.2	7,387.4	108.3	37.0	-92.15	6,915.8	-62.0	895.5	772.2	123.27	7.264	
13,700.0	7,460.0	7,768.6	7,386.8	110.1	37.0	-91.88	6,915.8	-62.0	796.7	671.7	125.04	6.372	
13,800.0	7,460.0	7,768.0	7,386.2	111.8	37.0	-91.62	6,915.8	-62.0	698.3	571.5	126.80	5.507	
13,900.0	7,460.0	7,767.4	7,385.6	113.5	37.0	-91.36	6,915.8	-62.0	600.5	471.9	128.56	4.671	
14,000.0	7,460.0	7,766.8	7,384.9	115.3	37.0	-91.09	6,915.8	-62.0	503.5	373.1	130.33	3.863	
14,100.0	7,460.0	7,766.2	7,384.3	117.0	37.0	-90.83	6,915.8	-62.0	407.9	275.8	132.09	3.088	
14,200.0	7,460.0	7,765.6	7,383.7	118.8	37.0	-90.56	6,915.8	-62.0	315.1	181.2	133.84	2.354	
14,300.0	7,460.0	7,764.9	7,383.1	120.5	37.0	-90.30	6,915.8	-62.0	228.4	92.8	135.60	1.684	
14,400.0	7,460.0	7,764.3	7,382.5	122.3	37.0	-90.03	6,915.8	-62.0	158.3	20.9	137.35	1.152 Level 2	
14,485.5	7,460.0	7,763.8	7,382.0	123.7	37.0	-89.81	6,915.8	-62.0	133.2	-5.7	138.85	0.959 Level 1, CC, ES, SF	
14,500.0	7,460.0	7,763.7	7,381.9	124.0	37.0	-89.77	6,915.8	-62.0	134.0	-5.1	139.10	0.963 Level 1	
14,600.0	7,460.0	7,763.1	7,381.2	125.7	37.0	-89.50	6,915.8	-62.0	175.6	34.8	140.85	1.247 Level 2	
14,700.0	7,460.0	7,762.5	7,380.6	127.5	37.0	-89.24	6,915.9	-62.0	252.5	109.9	142.60	1.770	
14,800.0	7,460.0	7,761.8	7,380.0	129.2	37.0	-88.97	6,915.9	-62.0	341.5	197.2	144.34	2.366	
14,900.0	7,460.0	7,761.2	7,379.4	131.0	37.0	-88.71	6,915.9	-62.0	435.3	289.3	146.08	2.980	
15,000.0	7,460.0	7,760.6	7,378.8	132.7	37.0	-88.44	6,915.9	-62.0	531.4	383.6	147.82	3.595	
15,100.0	7,460.0	7,760.0	7,378.1	134.5	37.0	-88.17	6,915.9	-62.0	628.7	479.2	149.55	4.204	
15,173.6	7,460.0	7,759.5	7,377.7	135.8	37.0	-87.98	6,915.9	-62.0	700.8	550.0	150.82	4.647	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor		
14,400.0	7,460.0	7,550.9	7,395.3	122.3	23.7	91.21	7,564.8	675.5	949.3	813.3	136.00	6.980		
14,500.0	7,460.0	7,550.6	7,395.1	124.0	23.7	91.19	7,564.8	675.5	875.3	737.5	137.75	6.354		
14,600.0	7,460.0	7,550.4	7,394.8	125.7	23.7	91.16	7,564.8	675.5	806.9	667.4	139.49	5.784		
14,700.0	7,460.0	7,550.1	7,394.6	127.5	23.7	91.14	7,564.8	675.5	745.6	604.4	141.24	5.279		
14,800.0	7,460.0	7,549.9	7,394.3	129.2	23.7	91.11	7,564.8	675.5	693.4	550.4	142.98	4.850		
14,900.0	7,460.0	7,549.6	7,394.0	131.0	23.7	91.09	7,564.8	675.6	652.5	507.7	144.73	4.508		
15,000.0	7,460.0	7,549.3	7,393.8	132.7	23.7	91.07	7,564.8	675.6	625.0	478.5	146.47	4.267		
15,100.0	7,460.0	7,549.1	7,393.5	134.5	23.7	91.04	7,564.8	675.6	612.8	464.5	148.22	4.134		
15,125.6	7,460.0	7,549.0	7,393.5	134.9	23.7	91.03	7,564.8	675.6	612.2	463.6	148.66	4.118 CC, ES		
15,173.6	7,460.0	7,548.9	7,393.3	135.8	23.7	91.02	7,564.8	675.6	614.1	464.6	149.50	4.108 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
11,800.0	7,460.0	7,960.1	7,366.6	77.1	47.1	88.04	5,061.2	555.0	944.2	825.4	118.76	7.951		
11,900.0	7,460.0	7,962.1	7,368.6	78.8	47.1	88.29	5,061.3	555.0	858.4	737.9	120.50	7.123		
12,000.0	7,460.0	7,964.1	7,370.6	80.5	47.1	88.53	5,061.3	555.0	775.9	653.7	122.25	6.347		
12,100.0	7,460.0	7,966.0	7,372.5	82.3	47.1	88.77	5,061.4	555.0	698.1	574.1	123.99	5.630		
12,200.0	7,460.0	7,968.0	7,374.5	84.0	47.1	89.01	5,061.4	555.0	626.5	500.8	125.74	4.983		
12,300.0	7,460.0	7,969.9	7,376.4	85.7	47.1	89.26	5,061.4	555.0	563.7	436.3	127.48	4.422		
12,400.0	7,460.0	7,971.8	7,378.4	87.5	47.1	89.50	5,061.5	555.0	512.9	383.6	129.22	3.969		
12,500.0	7,460.0	7,973.8	7,380.3	89.2	47.1	89.74	5,061.5	555.0	477.8	346.8	130.96	3.648		
12,600.0	7,460.0	7,975.7	7,382.2	90.9	47.1	89.98	5,061.5	555.0	462.0	329.3	132.70	3.482		
12,623.9	7,460.0	7,976.2	7,382.7	91.4	47.1	90.04	5,061.6	555.0	461.4	328.3	133.12	3.466 CC, ES, SF		
12,700.0	7,460.0	7,977.7	7,384.2	92.7	47.1	90.22	5,061.6	555.0	467.6	333.2	134.44	3.478		
12,800.0	7,460.0	7,979.6	7,386.1	94.4	47.1	90.46	5,061.6	555.0	493.8	357.7	136.18	3.626		
12,900.0	7,460.0	7,981.5	7,388.0	96.1	47.1	90.70	5,061.7	555.0	537.7	399.7	137.91	3.899		
13,000.0	7,460.0	7,983.4	7,389.9	97.9	47.1	90.94	5,061.7	555.0	595.2	455.6	139.64	4.262		
13,100.0	7,460.0	7,985.4	7,391.9	99.6	47.1	91.18	5,061.7	555.0	662.9	521.5	141.37	4.689		
13,200.0	7,460.0	7,987.3	7,393.8	101.4	47.1	91.41	5,061.8	555.0	738.0	594.9	143.10	5.157		
13,300.0	7,460.0	7,989.2	7,395.7	103.1	47.1	91.65	5,061.8	555.0	818.4	673.6	144.83	5.651		
13,400.0	7,460.0	7,991.1	7,397.6	104.8	47.1	91.89	5,061.8	555.0	902.7	756.2	146.55	6.160		
13,500.0	7,460.0	7,993.0	7,399.5	106.6	47.1	92.12	5,061.9	555.0	990.0	841.7	148.27	6.677		

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

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						Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)			
13,600.0	7,460.0	7,571.3	7,381.3	108.3	26.8	89.94	6,164.0	1,072.7	999.6	867.4	132.23	7.560	
13,700.0	7,460.0	7,571.8	7,381.8	110.1	26.8	89.97	6,164.0	1,072.7	992.6	858.6	133.97	7.409	
13,720.1	7,460.0	7,572.0	7,381.9	110.4	26.8	89.97	6,164.0	1,072.7	992.4	858.1	134.32	7.388 CC, ES	
13,800.0	7,460.0	7,572.4	7,382.3	111.8	26.8	90.00	6,164.0	1,072.7	995.6	859.9	135.71	7.336 SF	



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - EAST RINN H UNIT 1 (EXISTING) - ENCANA WELL - NO SURVE													Offset Site Error:	0.0 ft
Survey Program: 8264-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)				
12,600.0	7,460.0	7,371.0	7,371.0	90.9	12.9	90.00	5,941.0	204.1	915.7	811.9	103.76	8.825		
12,700.0	7,460.0	7,371.0	7,371.0	92.7	12.9	90.00	5,941.0	204.1	816.6	711.1	105.50	7.741		
12,800.0	7,460.0	7,371.0	7,371.0	94.4	12.9	90.00	5,941.0	204.1	717.9	610.7	107.23	6.695		
12,900.0	7,460.0	7,371.0	7,371.0	96.1	12.9	90.00	5,941.0	204.1	619.6	510.6	108.97	5.686		
13,000.0	7,460.0	7,371.0	7,371.0	97.9	12.9	90.00	5,941.0	204.1	521.9	411.2	110.71	4.714		
13,100.0	7,460.0	7,371.0	7,371.0	99.6	12.9	90.00	5,941.0	204.1	425.2	312.8	112.45	3.782		
13,200.0	7,460.0	7,371.0	7,371.0	101.4	12.9	90.00	5,941.0	204.1	330.6	216.4	114.19	2.895		
13,300.0	7,460.0	7,371.0	7,371.0	103.1	12.9	90.00	5,941.0	204.1	240.4	124.4	115.93	2.073		
13,400.0	7,460.0	7,371.0	7,371.0	104.8	12.9	90.00	5,941.0	204.1	162.0	44.4	117.67	1.377	Level 3	
13,500.0	7,460.0	7,371.0	7,371.0	106.6	12.9	90.00	5,941.0	204.1	121.4	2.0	119.41	1.017	Level 2	
13,507.6	7,460.0	7,371.0	7,371.0	106.7	12.9	90.00	5,941.0	204.1	121.2	1.6	119.54	1.014	Level 2, CC, ES, SF	
13,600.0	7,460.0	7,371.0	7,371.0	108.3	12.9	90.00	5,941.0	204.1	152.4	31.2	121.15	1.258	Level 3	
13,700.0	7,460.0	7,371.0	7,371.0	110.1	12.9	90.00	5,941.0	204.1	227.4	104.5	122.89	1.850		
13,800.0	7,460.0	7,371.0	7,371.0	111.8	12.9	90.00	5,941.0	204.1	316.5	191.9	124.63	2.539		
13,900.0	7,460.0	7,371.0	7,371.0	113.5	12.9	90.00	5,941.0	204.1	410.7	284.3	126.38	3.250		
14,000.0	7,460.0	7,371.0	7,371.0	115.3	12.9	90.00	5,941.0	204.1	507.1	379.0	128.12	3.958		
14,100.0	7,460.0	7,371.0	7,371.0	117.0	12.9	90.00	5,941.0	204.1	604.7	474.8	129.86	4.656		
14,200.0	7,460.0	7,371.0	7,371.0	118.8	12.9	90.00	5,941.0	204.1	702.9	571.3	131.60	5.341		
14,300.0	7,460.0	7,371.0	7,371.0	120.5	12.9	90.00	5,941.0	204.1	801.6	668.3	133.35	6.011		
14,400.0	7,460.0	7,371.0	7,371.0	122.3	12.9	90.00	5,941.0	204.1	900.6	765.5	135.09	6.666		
14,500.0	7,460.0	7,371.0	7,371.0	124.0	12.9	90.00	5,941.0	204.1	999.8	862.9	136.84	7.306		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 0-6-22 (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			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)				
1,800.0	1,798.1	2,068.4	2,007.8	3.3	8.6	-125.23	733.5	590.2	997.0	985.5	11.55	86.329		
1,900.0	1,898.0	2,166.3	2,098.6	3.5	9.3	-127.36	736.4	553.6	980.7	968.3	12.41	78.994		
2,000.0	1,997.8	2,247.0	2,173.7	3.7	9.8	-129.12	738.9	524.2	966.4	953.3	13.16	73.438		
2,100.0	2,097.6	2,324.7	2,246.3	3.9	10.3	-130.83	741.9	496.7	954.6	940.7	13.88	68.757		
2,200.0	2,197.5	2,396.8	2,314.0	4.1	10.8	-132.43	745.8	472.1	946.1	931.5	14.57	64.925		
2,300.0	2,297.3	2,483.7	2,395.1	4.3	11.4	-134.46	752.3	441.9	940.3	924.9	15.40	61.047		
2,400.0	2,397.1	2,579.0	2,483.3	4.5	12.1	-136.85	760.3	406.6	936.1	919.7	16.33	57.315		
2,500.0	2,496.9	2,668.8	2,566.0	4.7	12.8	-139.17	768.4	372.5	933.9	916.7	17.22	54.233		
2,600.0	2,596.8	2,770.4	2,659.2	4.9	13.5	-141.84	776.7	332.9	932.4	914.2	18.18	51.271		
2,617.3	2,614.1	2,783.8	2,671.6	5.0	13.6	-142.18	777.7	327.8	932.3	914.0	18.31	50.907		
2,700.0	2,696.6	2,860.3	2,742.4	5.1	14.2	-144.10	783.8	299.5	933.2	914.2	19.01	49.091		
2,800.0	2,796.4	2,970.4	2,844.8	5.3	14.9	-146.78	790.5	259.7	934.4	914.5	19.92	46.910		
2,900.0	2,896.3	3,072.8	2,940.7	5.5	15.6	-149.15	794.8	224.1	935.9	915.1	20.75	45.093		
3,000.0	2,996.1	3,148.1	3,010.9	5.7	16.1	-150.94	798.3	197.1	939.2	917.7	21.42	43.844		
3,100.0	3,095.9	3,218.0	3,075.9	6.0	16.6	-152.63	803.2	171.7	946.1	924.0	22.05	42.916		
3,200.0	3,195.7	3,299.1	3,150.9	6.2	17.2	-154.58	810.6	142.0	956.6	933.9	22.73	42.087		
3,300.0	3,295.6	3,395.0	3,239.5	6.4	17.9	-156.89	819.2	106.1	968.6	945.1	23.49	41.231		
3,400.0	3,395.4	3,478.7	3,316.4	6.6	18.6	-158.91	826.8	74.0	982.2	958.0	24.16	40.649		
3,500.0	3,495.2	3,551.7	3,383.3	6.8	19.1	-160.66	834.3	45.7	998.6	973.9	24.75	40.341		
7,900.0	7,460.0	7,734.0	7,457.0	15.3	32.7	-88.67	906.1	-606.9	938.1	908.5	29.58	31.718		
8,000.0	7,460.0	7,735.3	7,458.4	16.2	32.7	-88.77	906.1	-606.9	880.5	849.9	30.52	28.845		
8,100.0	7,460.0	7,736.6	7,459.7	17.3	32.7	-88.87	906.2	-606.9	830.9	799.3	31.60	26.295		
8,200.0	7,460.0	7,737.9	7,461.0	18.5	32.7	-88.97	906.2	-606.9	791.0	758.2	32.78	24.129		
8,300.0	7,460.0	7,739.2	7,462.3	19.7	32.7	-89.07	906.2	-607.0	762.2	728.1	34.05	22.385		
8,400.0	7,460.0	7,740.5	7,463.6	21.0	32.7	-89.17	906.2	-607.0	745.7	710.3	35.39	21.074		
8,473.9	7,460.0	7,741.5	7,464.5	22.1	32.7	-89.25	906.2	-607.0	742.1	705.6	36.42	20.376 CC, ES		
8,500.0	7,460.0	7,741.8	7,464.9	22.4	32.7	-89.27	906.2	-607.0	742.5	705.7	36.78	20.187		
8,600.0	7,460.0	7,743.1	7,466.2	23.9	32.7	-89.37	906.2	-607.0	752.7	714.5	38.22	19.691		
8,700.0	7,460.0	7,744.4	7,467.4	25.3	32.7	-89.47	906.3	-607.0	775.7	736.0	39.71	19.536 SF		
8,800.0	7,460.0	7,745.6	7,468.7	26.8	32.7	-89.57	906.3	-607.0	810.5	769.3	41.22	19.662		
8,900.0	7,460.0	7,746.9	7,470.0	28.4	32.7	-89.67	906.3	-607.1	855.7	812.9	42.77	20.008		
9,000.0	7,460.0	7,748.2	7,471.2	29.9	32.7	-89.76	906.3	-607.1	909.6	865.3	44.33	20.518		
9,100.0	7,460.0	7,749.4	7,472.5	31.5	32.7	-89.86	906.3	-607.1	970.9	924.9	45.92	21.144		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 11-22 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-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)						
10,900.0	7,460.0	7,382.3	7,380.4	61.6	13.0	-90.39	4,186.7	-253.4	930.3	855.9	74.43	12.498		
11,000.0	7,460.0	7,381.9	7,380.1	63.3	13.0	-90.33	4,186.7	-253.4	838.9	762.7	76.15	11.016		
11,100.0	7,460.0	7,381.6	7,379.7	65.0	13.0	-90.28	4,186.7	-253.4	749.6	671.7	77.87	9.627		
11,200.0	7,460.0	7,381.3	7,379.4	66.7	13.0	-90.23	4,186.7	-253.4	663.4	583.8	79.59	8.336		
11,300.0	7,460.0	7,380.9	7,379.1	68.5	13.0	-90.17	4,186.7	-253.4	581.7	500.4	81.31	7.154		
11,400.0	7,460.0	7,380.6	7,378.7	70.2	13.0	-90.12	4,186.7	-253.4	506.5	423.5	83.03	6.100		
11,500.0	7,460.0	7,380.2	7,378.4	71.9	13.0	-90.06	4,186.7	-253.4	441.3	356.6	84.75	5.207		
11,600.0	7,460.0	7,379.9	7,378.0	73.6	13.0	-90.01	4,186.7	-253.4	391.1	304.7	86.48	4.523		
11,700.0	7,460.0	7,379.6	7,377.7	75.4	13.0	-89.95	4,186.7	-253.4	362.2	274.0	88.20	4.107		
11,758.9	7,460.0	7,379.4	7,377.5	76.4	13.0	-89.92	4,186.7	-253.4	357.4	268.2	89.22	4.006 CC, ES		
11,800.0	7,460.0	7,379.2	7,377.4	77.1	13.0	-89.90	4,186.7	-253.4	359.8	269.8	89.93	4.000 SF		
11,900.0	7,460.0	7,378.9	7,377.0	78.8	13.0	-89.84	4,186.7	-253.4	384.2	292.6	91.66	4.192		
12,000.0	7,460.0	7,378.5	7,376.7	80.5	13.0	-89.78	4,186.7	-253.4	431.1	337.7	93.39	4.616		
12,100.0	7,460.0	7,378.2	7,376.3	82.3	13.0	-89.73	4,186.7	-253.4	494.0	398.9	95.12	5.194		
12,200.0	7,460.0	7,377.8	7,375.9	84.0	13.0	-89.67	4,186.7	-253.4	567.7	470.9	96.85	5.862		
12,300.0	7,460.0	7,377.4	7,375.6	85.7	13.0	-89.61	4,186.7	-253.4	648.5	549.9	98.58	6.578		
12,400.0	7,460.0	7,377.1	7,375.2	87.5	13.0	-89.55	4,186.7	-253.4	734.0	633.7	100.32	7.317		
12,500.0	7,460.0	7,376.7	7,374.9	89.2	13.0	-89.50	4,186.7	-253.4	822.8	720.7	102.05	8.062		
12,600.0	7,460.0	7,376.3	7,374.5	90.9	13.0	-89.44	4,186.7	-253.4	913.9	810.1	103.78	8.806		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design		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	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)						
11,000.0	7,460.0	7,390.0	7,390.0	63.3	12.9	90.00	3,962.3	950.2	990.8	914.6	76.15	13.011				
11,100.0	7,460.0	7,390.0	7,390.0	65.0	12.9	90.00	3,962.3	950.2	942.1	864.3	77.87	12.099				
11,200.0	7,460.0	7,390.0	7,390.0	66.7	12.9	90.00	3,962.3	950.2	902.0	822.4	79.59	11.334				
11,300.0	7,460.0	7,390.0	7,390.0	68.5	12.9	90.00	3,962.3	950.2	871.6	790.3	81.31	10.719				
11,400.0	7,460.0	7,390.0	7,390.0	70.2	12.9	90.00	3,962.3	950.2	851.8	768.8	83.03	10.259				
11,500.0	7,460.0	7,390.0	7,390.0	71.9	12.9	90.00	3,962.3	950.2	843.6	758.8	84.75	9.953				
11,520.0	7,460.0	7,390.0	7,390.0	72.3	12.9	90.00	3,962.3	950.2	843.3	758.2	85.10	9.910 CC, ES				
11,600.0	7,460.0	7,390.0	7,390.0	73.6	12.9	90.00	3,962.3	950.2	847.1	760.6	86.48	9.796				
11,700.0	7,460.0	7,390.0	7,390.0	75.4	12.9	90.00	3,962.3	950.2	862.3	774.1	88.21	9.776 SF				
11,800.0	7,460.0	7,390.0	7,390.0	77.1	12.9	90.00	3,962.3	950.2	888.6	798.7	89.93	9.881				
11,900.0	7,460.0	7,390.0	7,390.0	78.8	12.9	90.00	3,962.3	950.2	925.0	833.3	91.66	10.091				
12,000.0	7,460.0	7,390.0	7,390.0	80.5	12.9	90.00	3,962.3	950.2	970.4	877.0	93.39	10.390				

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 12-22 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,400.0	7,460.0	7,390.4	7,388.5	36.4	13.1	-87.65	2,729.5	-109.8	929.4	880.2	49.13	18.916		
9,500.0	7,460.0	7,391.3	7,389.4	38.0	13.1	-87.87	2,729.5	-109.8	832.9	782.1	50.78	16.403		
9,600.0	7,460.0	7,392.2	7,390.3	39.6	13.1	-88.09	2,729.5	-109.9	737.4	684.9	52.44	14.062		
9,700.0	7,460.0	7,393.1	7,391.2	41.3	13.1	-88.31	2,729.5	-109.9	643.2	589.1	54.10	11.889		
9,800.0	7,460.0	7,394.0	7,392.0	43.0	13.1	-88.53	2,729.5	-109.9	551.1	495.3	55.77	9.880		
9,900.0	7,460.0	7,394.9	7,392.9	44.6	13.1	-88.74	2,729.5	-109.9	462.2	404.8	57.45	8.046		
10,000.0	7,460.0	7,395.8	7,393.8	46.3	13.1	-88.96	2,729.5	-109.9	379.0	319.9	59.14	6.409		
10,100.0	7,460.0	7,396.6	7,394.7	48.0	13.1	-89.18	2,729.5	-109.9	306.0	245.2	60.83	5.031		
10,200.0	7,460.0	7,397.5	7,395.5	49.7	13.1	-89.39	2,729.5	-109.9	252.2	189.7	62.52	4.034		
10,300.0	7,460.0	7,398.3	7,396.4	51.4	13.1	-89.60	2,729.5	-109.9	231.5	167.3	64.22	3.605		
10,300.1	7,460.0	7,398.3	7,396.4	51.4	13.1	-89.60	2,729.5	-109.9	231.5	167.3	64.22	3.605 CC, ES, SF		
10,400.0	7,460.0	7,399.2	7,397.3	53.1	13.1	-89.82	2,729.5	-109.9	252.1	186.2	65.92	3.825		
10,500.0	7,460.0	7,400.1	7,398.1	54.8	13.1	-90.03	2,729.5	-109.9	305.9	238.2	67.62	4.523		
10,600.0	7,460.0	7,401.0	7,399.0	56.5	13.1	-90.25	2,729.6	-109.9	378.8	309.5	69.33	5.465		
10,700.0	7,460.0	7,401.9	7,399.9	58.2	13.1	-90.48	2,729.6	-109.9	462.1	391.0	71.03	6.505		
10,800.0	7,460.0	7,402.8	7,400.8	59.9	13.1	-90.70	2,729.6	-109.9	550.9	478.1	72.74	7.573		
10,900.0	7,460.0	7,403.7	7,401.8	61.6	13.1	-90.94	2,729.6	-109.9	643.0	568.5	74.45	8.636		
11,000.0	7,460.0	7,404.7	7,402.7	63.3	13.1	-91.17	2,729.6	-109.9	737.2	661.0	76.16	9.679		
11,100.0	7,460.0	7,405.7	7,403.7	65.0	13.1	-91.41	2,729.6	-109.9	832.7	754.8	77.87	10.693		
11,200.0	7,460.0	7,406.6	7,404.7	66.7	13.1	-91.65	2,729.6	-110.0	929.2	849.6	79.59	11.675		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 14-22 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error: 0.0 ft	
Survey Program: 100-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	7.19	259.4	32.7	261.9					
100.0	100.0	87.5	87.5	0.1	0.2	7.44	258.6	33.8	260.9	260.6	0.31	848.490		
200.0	200.0	187.1	187.0	0.3	0.3	8.07	256.9	36.4	259.5	258.8	0.66	391.002		
300.0	300.0	286.0	286.0	0.5	0.5	8.60	255.6	38.7	258.6	257.5	1.01	255.008		
400.0	400.0	385.4	385.2	0.7	0.7	8.93	254.8	40.1	257.9	256.6	1.36	189.412		
500.0	500.0	484.4	484.3	0.8	0.9	9.13	254.4	40.9	257.6	255.9	1.71	150.896		
506.5	506.5	490.8	490.7	0.9	0.9	-151.09	254.4	40.9	257.6	255.9	1.73	149.149		
600.0	600.0	584.9	584.8	1.0	1.0	-151.12	254.1	41.2	258.2	256.2	2.05	125.789		
700.0	700.0	685.1	685.0	1.2	1.2	-151.41	253.8	41.0	260.1	257.7	2.40	108.403		
800.0	799.9	784.6	784.5	1.4	1.4	-151.95	253.5	40.4	263.6	260.9	2.75	95.988		
900.0	899.7	884.6	884.5	1.6	1.6	-152.65	253.4	39.8	268.5	265.4	3.10	86.717		
1,000.0	999.5	983.6	983.5	1.8	1.7	-153.40	253.3	38.9	273.5	270.1	3.44	79.410		
1,100.0	1,099.4	1,083.7	1,083.6	2.0	1.9	-154.18	253.4	37.7	278.8	275.0	3.80	73.454		
1,200.0	1,199.2	1,183.3	1,183.1	2.1	2.1	-154.96	253.5	36.4	284.0	279.9	4.15	68.511		
1,300.0	1,299.0	1,282.4	1,282.2	2.3	2.2	-155.75	253.8	34.9	289.5	285.0	4.50	64.399		
1,400.0	1,398.8	1,382.4	1,382.2	2.5	2.4	-156.53	254.1	33.3	295.1	290.3	4.85	60.891		
1,500.0	1,498.7	1,482.2	1,482.0	2.7	2.6	-157.27	254.4	31.8	300.7	295.5	5.20	57.854		
1,600.0	1,598.5	1,582.0	1,581.8	2.9	2.8	-157.98	254.7	30.3	306.4	300.8	5.55	55.212		
1,700.0	1,698.3	1,681.9	1,681.7	3.1	2.9	-158.65	255.0	28.8	312.0	306.1	5.90	52.884		
1,800.0	1,798.1	1,781.4	1,781.2	3.3	3.1	-159.29	255.2	27.5	317.7	311.5	6.25	50.832		
1,900.0	1,898.0	1,882.5	1,882.3	3.5	3.3	-159.89	255.4	26.1	323.4	316.8	6.60	48.971		
2,000.0	1,997.8	1,983.4	1,983.2	3.7	3.5	-160.39	255.1	25.3	328.6	321.7	6.96	47.244		
2,100.0	2,097.6	2,083.7	2,083.4	3.9	3.6	-160.82	254.6	24.8	333.7	326.4	7.31	45.663		
2,200.0	2,197.5	2,183.4	2,183.2	4.1	3.8	-161.23	254.1	24.3	338.7	331.0	7.66	44.228		
2,300.0	2,297.3	2,282.4	2,282.2	4.3	4.0	-161.69	253.7	23.4	343.8	335.8	8.01	42.945		
2,400.0	2,397.1	2,382.2	2,382.0	4.5	4.2	-162.18	253.4	22.3	349.2	340.8	8.36	41.785		
2,500.0	2,496.9	2,482.6	2,482.3	4.7	4.3	-162.68	253.1	21.0	354.5	345.8	8.71	40.707		
2,600.0	2,596.8	2,582.4	2,582.2	4.9	4.5	-163.21	252.6	19.5	359.7	350.6	9.06	39.708		
2,700.0	2,696.6	2,682.1	2,681.9	5.1	4.7	-163.71	252.1	18.0	364.9	355.5	9.41	38.790		
2,800.0	2,796.4	2,781.7	2,781.4	5.3	4.9	-164.22	251.7	16.4	370.3	360.5	9.76	37.947		
2,900.0	2,896.3	2,882.1	2,881.8	5.5	5.0	-164.74	251.3	14.5	375.6	365.5	10.11	37.157		
3,000.0	2,996.1	2,981.2	2,980.9	5.7	5.2	-165.26	250.8	12.7	380.9	370.5	10.46	36.426		
3,100.0	3,095.9	3,080.7	3,080.4	6.0	5.4	-165.75	250.4	10.9	386.5	375.7	10.81	35.760		
3,200.0	3,195.7	3,181.2	3,180.8	6.2	5.6	-166.20	250.1	9.3	392.0	380.8	11.16	35.130		
3,300.0	3,295.6	3,280.9	3,280.5	6.4	5.7	-166.60	249.7	7.9	397.4	385.9	11.51	34.535		
3,400.0	3,395.4	3,379.6	3,379.2	6.6	5.9	-167.00	249.4	6.5	403.0	391.1	11.85	33.993		
3,500.0	3,495.2	3,478.5	3,478.1	6.8	6.1	-167.43	249.3	4.7	408.9	396.7	12.20	33.505		
3,600.0	3,595.1	3,578.1	3,577.7	7.0	6.3	-167.87	249.4	2.8	414.9	402.4	12.55	33.055		
3,700.0	3,694.9	3,677.5	3,677.1	7.2	6.4	-168.26	249.5	1.1	421.0	408.1	12.90	32.633		
3,800.0	3,794.7	3,776.1	3,775.7	7.4	6.6	-168.64	249.8	-0.6	427.3	414.1	13.25	32.253		
3,900.0	3,894.5	3,874.8	3,874.4	7.6	6.8	-168.97	250.5	-2.0	433.9	420.3	13.60	31.914		
4,000.0	3,994.4	3,972.4	3,971.9	7.8	7.0	-169.27	251.4	-3.4	440.8	426.9	13.94	31.621		
4,100.0	4,094.2	4,070.9	4,070.5	8.0	7.1	-169.60	252.8	-5.1	448.2	434.0	14.29	31.370		
4,200.0	4,194.0	4,168.5	4,167.9	8.2	7.3	-169.93	254.3	-7.0	455.9	441.3	14.63	31.155		
4,300.0	4,293.8	4,262.5	4,261.9	8.4	7.5	-170.25	256.6	-9.1	464.4	449.5	14.97	31.016		
4,400.0	4,393.7	4,358.9	4,358.3	8.6	7.6	-170.59	260.0	-11.5	474.1	458.8	15.32	30.953		
4,500.0	4,493.5	4,458.1	4,457.3	8.8	7.8	-170.90	263.7	-13.9	484.0	468.4	15.67	30.897		
4,600.0	4,593.3	4,558.2	4,557.3	9.0	8.0	-171.20	267.5	-16.3	494.0	477.9	16.02	30.843		
4,700.0	4,693.2	4,659.5	4,658.6	9.2	8.2	-171.48	271.1	-18.5	503.6	487.3	16.37	30.772		
4,800.0	4,793.0	4,760.9	4,759.8	9.4	8.4	-171.74	274.2	-20.6	512.9	496.2	16.72	30.680		
4,900.0	4,892.8	4,862.1	4,861.0	9.6	8.5	-171.97	277.2	-22.5	521.9	504.9	17.07	30.576		
5,000.0	4,992.6	4,962.9	4,961.8	9.8	8.7	-172.20	279.8	-24.4	530.6	513.2	17.42	30.460		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 14-22 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	5,092.5	5,063.5	5,062.3	10.0	8.9	-172.43	282.1	-26.2	539.1	521.4	17.77	30.339		
5,200.0	5,192.3	5,164.1	5,162.9	10.2	9.1	-172.63	284.4	-27.9	547.5	529.4	18.12	30.213		
5,300.0	5,292.1	5,264.1	5,262.8	10.4	9.3	-172.82	286.5	-29.5	555.7	537.2	18.47	30.087		
5,400.0	5,392.0	5,363.8	5,362.5	10.6	9.4	-172.99	288.6	-30.9	563.9	545.1	18.82	29.967		
5,500.0	5,491.8	5,463.8	5,462.5	10.8	9.6	-173.14	290.8	-32.2	572.1	552.9	19.17	29.849		
5,600.0	5,591.6	5,564.6	5,563.2	11.0	9.8	-173.27	292.8	-33.3	580.1	560.6	19.52	29.727		
5,700.0	5,691.4	5,665.2	5,663.8	11.2	10.0	-173.39	294.7	-34.3	588.0	568.1	19.87	29.600		
5,800.0	5,791.3	5,764.8	5,763.4	11.4	10.2	-173.50	296.5	-35.2	595.8	575.6	20.21	29.475		
5,900.0	5,891.1	5,869.7	5,868.3	11.6	10.3	-173.62	298.1	-36.1	603.3	582.8	20.57	29.331		
6,000.0	5,990.9	5,972.0	5,970.6	11.8	10.5	-173.69	298.9	-36.4	609.9	589.0	20.92	29.154		
6,100.0	6,090.7	6,073.4	6,072.0	12.0	10.7	-173.75	299.5	-36.5	616.4	595.1	21.27	28.976		
6,200.0	6,190.6	6,173.0	6,171.6	12.2	10.9	-173.82	299.9	-36.7	622.6	601.0	21.62	28.799		
6,300.0	6,290.4	6,272.8	6,271.4	12.4	11.0	-173.89	300.3	-37.0	629.0	607.0	21.97	28.631		
6,400.0	6,390.2	6,372.4	6,371.0	12.6	11.2	-173.97	300.7	-37.4	635.3	612.9	22.32	28.468		
6,500.0	6,490.1	6,471.8	6,470.4	12.8	11.4	-174.05	301.1	-37.8	641.6	619.0	22.66	28.313		
6,600.0	6,589.9	6,571.5	6,570.1	13.0	11.6	-174.13	301.6	-38.2	648.0	625.0	23.01	28.164		
6,700.0	6,689.7	6,671.2	6,669.7	13.2	11.7	-174.21	302.2	-38.6	654.5	631.1	23.36	28.019		
6,800.0	6,789.5	6,771.6	6,770.2	13.4	11.9	-174.28	302.7	-39.0	660.9	637.2	23.71	27.877		
6,900.0	6,889.4	6,872.6	6,871.2	13.6	12.1	-92.96	303.0	-39.2	666.2	642.1	24.06	27.683		
7,000.0	6,988.8	6,972.8	6,971.4	13.7	12.3	-21.14	303.2	-39.7	658.1	634.0	24.12	27.279		
7,100.0	7,085.2	7,070.6	7,069.2	13.6	12.4	-19.59	303.1	-40.4	633.4	609.6	23.75	26.672		
7,200.0	7,175.5	7,161.1	7,159.7	13.5	12.6	-21.36	302.9	-41.2	592.9	569.9	23.03	25.750		
7,300.0	7,257.1	7,242.6	7,241.2	13.4	12.7	-25.58	302.6	-41.9	538.5	516.4	22.20	24.261		
7,400.0	7,327.4	7,313.0	7,311.5	13.3	12.9	-33.15	302.4	-42.5	472.5	450.7	21.76	21.712		
7,500.0	7,384.4	7,369.5	7,368.1	13.3	13.0	-45.64	302.3	-42.8	397.9	375.4	22.51	17.677		
7,600.0	7,426.2	7,411.3	7,409.9	13.5	13.0	-63.35	302.3	-42.9	319.7	295.0	24.64	12.972		
7,700.0	7,451.7	7,436.8	7,435.4	13.9	13.1	-80.78	302.3	-42.9	245.6	219.2	26.47	9.281		
7,800.0	7,460.0	7,445.3	7,443.8	14.5	13.1	-89.95	302.3	-42.9	191.2	163.9	27.31	7.001		
7,870.0	7,460.0	7,445.3	7,443.9	15.0	13.1	-89.97	302.3	-42.9	177.9	150.1	27.87	6.385 CC, ES, SF		
7,900.0	7,460.0	7,445.4	7,443.9	15.3	13.1	-89.98	302.3	-42.9	180.4	152.3	28.11	6.420		
8,000.0	7,460.0	7,445.5	7,444.0	16.2	13.1	-90.01	302.3	-42.9	220.4	191.3	29.06	7.584		
8,100.0	7,460.0	7,445.6	7,444.2	17.3	13.1	-90.05	302.3	-42.9	290.8	260.7	30.13	9.651		
8,200.0	7,460.0	7,445.7	7,444.3	18.5	13.1	-90.08	302.3	-42.9	374.9	343.6	31.31	11.973		
8,300.0	7,460.0	7,445.8	7,444.4	19.7	13.1	-90.12	302.3	-42.9	465.4	432.8	32.58	14.283		
8,400.0	7,460.0	7,445.9	7,444.5	21.0	13.1	-90.15	302.3	-42.9	559.1	525.2	33.92	16.483		
8,500.0	7,460.0	7,446.0	7,444.6	22.4	13.1	-90.19	302.3	-42.9	654.7	619.3	35.32	18.537		
8,600.0	7,460.0	7,446.1	7,444.7	23.9	13.1	-90.22	302.3	-42.9	751.4	714.6	36.76	20.441		
8,700.0	7,460.0	7,446.2	7,444.8	25.3	13.1	-90.26	302.3	-42.9	848.9	810.6	38.24	22.198		
8,800.0	7,460.0	7,446.4	7,444.9	26.8	13.1	-90.29	302.3	-42.9	946.9	907.1	39.76	23.817		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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			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		
1,400.0	1,398.8	1,617.7	1,591.8	2.5	5.1	-95.91	370.4	892.1	985.1	978.6	6.50	151.596		
1,500.0	1,498.7	1,717.1	1,688.0	2.7	5.5	-95.22	347.2	883.5	967.7	960.7	7.06	137.030		
1,600.0	1,598.5	1,827.5	1,794.8	2.9	6.0	-94.42	321.1	873.1	949.7	942.1	7.68	123.726		
1,700.0	1,698.3	1,932.5	1,896.1	3.1	6.6	-93.63	295.7	862.1	930.7	922.4	8.29	112.306		
1,800.0	1,798.1	2,029.4	1,989.5	3.3	7.0	-92.85	272.0	851.8	911.5	902.6	8.87	102.706		
1,900.0	1,898.0	2,131.1	2,087.6	3.5	7.5	-92.06	248.0	840.6	892.4	883.0	9.48	94.179		
2,000.0	1,997.8	2,235.6	2,188.3	3.7	8.0	-91.19	222.7	828.1	872.5	862.4	10.11	86.267		
2,100.0	2,097.6	2,329.6	2,278.6	3.9	8.5	-90.33	199.3	817.1	852.7	842.0	10.72	79.506		
2,200.0	2,197.5	2,427.1	2,372.5	4.1	9.0	-89.42	175.5	805.8	833.4	822.0	11.35	73.400		
2,300.0	2,297.3	2,520.9	2,462.8	4.3	9.5	-88.50	152.5	795.0	814.3	802.3	11.99	67.916		
2,400.0	2,397.1	2,629.4	2,567.3	4.5	10.0	-87.40	126.0	782.2	795.2	782.5	12.68	62.690		
2,500.0	2,496.9	2,736.4	2,670.0	4.7	10.6	-86.30	99.9	767.6	774.7	761.3	13.40	57.830		
2,600.0	2,596.8	2,834.9	2,764.3	4.9	11.1	-85.16	75.0	754.1	754.0	739.9	14.09	53.510		
2,700.0	2,696.6	2,927.8	2,853.3	5.1	11.6	-84.06	51.8	741.0	733.4	718.6	14.77	49.665		
2,800.0	2,796.4	3,014.6	2,936.7	5.3	12.0	-82.97	30.3	729.8	714.3	698.9	15.42	46.315		
2,900.0	2,896.3	3,106.4	3,025.1	5.5	12.5	-81.79	8.0	719.0	696.7	680.6	16.12	43.229		
3,000.0	2,996.1	3,208.2	3,122.9	5.7	13.0	-80.35	-17.4	707.3	679.6	662.7	16.90	40.205		
3,100.0	3,095.9	3,310.6	3,221.0	6.0	13.6	-78.75	-44.0	694.7	661.9	644.2	17.72	37.362		
3,200.0	3,195.7	3,409.7	3,316.0	6.2	14.1	-77.17	-69.1	681.8	644.1	625.6	18.51	34.807		
3,300.0	3,295.6	3,502.0	3,404.7	6.4	14.6	-75.69	-91.8	669.9	627.1	607.9	19.25	32.572		
3,400.0	3,395.4	3,602.0	3,500.9	6.6	15.1	-74.07	-115.7	657.2	610.8	590.7	20.04	30.480		
3,500.0	3,495.2	3,703.8	3,599.1	6.8	15.6	-72.44	-138.8	643.2	594.0	573.2	20.82	28.534		
3,600.0	3,595.1	3,790.9	3,683.3	7.0	16.0	-71.06	-157.8	631.4	577.9	556.4	21.50	26.881		
3,700.0	3,694.9	3,879.1	3,769.1	7.2	16.4	-69.69	-176.1	621.9	565.0	542.8	22.17	25.486		
3,800.0	3,794.7	3,977.2	3,864.9	7.4	16.7	-68.35	-194.2	611.2	552.2	529.4	22.83	24.194		
3,900.0	3,894.5	4,068.1	3,954.2	7.6	17.0	-67.34	-208.2	602.4	540.9	517.5	23.39	23.128		
4,000.0	3,994.4	4,162.6	4,047.6	7.8	17.3	-66.51	-220.5	594.5	531.0	507.1	23.92	22.202		
4,100.0	4,094.2	4,258.7	4,142.7	8.0	17.6	-65.80	-231.6	587.1	521.8	497.4	24.42	21.366		
4,200.0	4,194.0	4,355.9	4,239.2	8.2	17.8	-65.22	-241.5	580.3	513.2	488.3	24.89	20.621		
4,300.0	4,293.8	4,458.4	4,341.2	8.4	18.1	-64.87	-249.4	573.2	504.6	479.3	25.31	19.935		
4,400.0	4,393.7	4,551.3	4,433.8	8.6	18.2	-64.82	-254.3	567.5	496.4	470.7	25.65	19.349		
4,500.0	4,493.5	4,649.3	4,531.5	8.8	18.4	-64.86	-258.7	562.3	489.1	463.1	26.00	18.808		
4,600.0	4,593.3	4,745.9	4,627.9	9.0	18.5	-64.98	-262.4	557.4	482.0	455.6	26.32	18.311		
4,700.0	4,693.2	4,838.1	4,720.0	9.2	18.7	-65.28	-264.5	554.4	476.3	449.8	26.59	17.916		
4,800.0	4,793.0	4,933.5	4,815.4	9.4	18.7	-65.78	-265.3	552.3	471.9	445.1	26.82	17.595		
4,900.0	4,892.8	5,031.7	4,913.6	9.6	18.8	-66.46	-264.9	551.1	468.2	441.2	27.03	17.323		
5,000.0	4,992.6	5,132.1	5,014.0	9.8	18.9	-67.25	-263.8	549.9	464.6	437.4	27.23	17.064		
5,100.0	5,092.5	5,232.4	5,114.3	10.0	19.0	-68.08	-262.5	548.5	461.0	433.5	27.42	16.809		
5,200.0	5,192.3	5,332.6	5,214.4	10.2	19.0	-68.90	-261.3	547.0	457.3	429.6	27.62	16.556		
5,300.0	5,292.1	5,430.4	5,312.3	10.4	19.1	-69.73	-260.0	545.7	453.8	426.0	27.80	16.323		
5,400.0	5,392.0	5,529.2	5,411.1	10.6	19.2	-70.63	-258.4	544.8	450.9	422.9	27.98	16.113		
5,500.0	5,491.8	5,630.4	5,512.2	10.8	19.2	-71.56	-256.7	543.7	447.9	419.8	28.16	15.905		
5,600.0	5,591.6	5,731.0	5,612.8	11.0	19.3	-72.49	-255.2	542.3	444.8	416.4	28.34	15.693		
5,700.0	5,691.4	5,831.2	5,713.0	11.2	19.4	-73.41	-253.7	540.8	441.6	413.1	28.52	15.483		
5,800.0	5,791.3	5,932.1	5,813.9	11.4	19.5	-74.32	-252.5	539.1	438.4	409.7	28.72	15.267		
5,900.0	5,891.1	6,033.0	5,914.8	11.6	19.6	-75.18	-251.9	537.1	435.0	406.1	28.91	15.043		
6,000.0	5,990.9	6,131.8	6,013.5	11.8	19.7	-76.02	-251.3	535.2	431.6	402.5	29.11	14.828		
6,100.0	6,090.7	6,230.6	6,112.3	12.0	19.8	-76.90	-250.5	533.5	428.6	399.3	29.30	14.630		
6,200.0	6,190.6	6,329.5	6,211.1	12.2	19.9	-77.82	-249.4	531.9	425.9	396.4	29.47	14.449		
6,300.0	6,290.4	6,428.2	6,309.8	12.4	20.0	-78.78	-248.2	530.6	423.5	393.9	29.66	14.281		
6,400.0	6,390.2	6,526.9	6,408.5	12.6	20.1	-79.69	-247.3	529.5	421.5	391.7	29.85	14.123		
6,500.0	6,490.1	6,626.2	6,507.8	12.8	20.2	-80.58	-246.6	528.7	419.8	389.8	30.04	13.976		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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			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)				
6,600.0	6,589.9	6,725.6	6,607.2	13.0	20.3	-81.50	-245.8	527.9	418.3	388.0	30.22	13.839		
6,700.0	6,689.7	6,825.0	6,706.6	13.2	20.4	-82.44	-244.8	527.2	416.9	386.5	30.41	13.710		
6,800.0	6,789.5	6,924.5	6,806.1	13.4	20.5	-83.37	-244.0	526.6	415.8	385.2	30.60	13.588		
6,900.0	6,889.4	7,024.5	6,906.1	13.6	20.6	-2.72	-243.3	526.0	414.5	383.7	30.79	13.462		
7,000.0	6,988.8	7,123.8	7,005.4	13.7	20.7	-71.22	-242.9	525.5	410.1	379.0	31.13	13.173		
7,100.0	7,085.2	7,219.8	7,101.4	13.6	20.7	78.40	-242.4	525.1	402.8	371.1	31.69	12.712		
7,200.0	7,175.5	7,309.8	7,191.4	13.5	20.8	85.47	-241.8	524.8	396.1	363.8	32.33	12.253		
7,263.6	7,228.6	7,362.6	7,244.2	13.4	20.9	90.16	-241.5	524.7	394.4	361.8	32.66	12.078 CC, ES		
7,300.0	7,257.1	7,391.1	7,272.7	13.4	20.9	92.78	-241.3	524.6	395.1	362.3	32.78	12.053 SF		
7,400.0	7,327.4	7,461.5	7,343.1	13.3	21.0	99.09	-240.8	524.6	405.9	373.0	32.87	12.346		
7,500.0	7,384.4	7,518.8	7,400.4	13.3	21.0	103.02	-240.4	524.6	433.1	400.3	32.72	13.234		
7,600.0	7,426.2	7,561.2	7,442.8	13.5	21.1	103.47	-240.0	524.7	478.2	445.5	32.70	14.626		
7,700.0	7,451.7	7,587.4	7,469.0	13.9	21.1	99.48	-239.8	524.7	539.3	506.2	33.11	16.287		
7,800.0	7,460.0	7,596.5	7,478.1	14.5	21.1	90.46	-239.7	524.8	612.2	578.3	33.85	18.086		
7,900.0	7,460.0	7,597.4	7,479.0	15.3	21.1	90.58	-239.7	524.8	692.2	657.6	34.64	19.981		
8,000.0	7,460.0	7,598.2	7,479.8	16.2	21.1	90.70	-239.7	524.8	776.9	741.3	35.59	21.827		
8,100.0	7,460.0	7,599.0	7,480.6	17.3	21.1	90.82	-239.7	524.8	864.8	828.2	36.67	23.585		
8,200.0	7,460.0	7,599.9	7,481.4	18.5	21.1	90.95	-239.7	524.8	955.2	917.3	37.85	25.235		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 3 (EXISTING) - FOUNDATION WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 5039-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	-11.44	266.7	-54.0	272.8					
100.0	100.0	80.0	80.0	0.1	0.1	-11.44	266.7	-54.0	272.1	271.8	0.29	949.844		
200.0	200.0	180.0	180.0	0.3	0.3	-11.44	266.7	-54.0	272.1	271.4	0.64	428.116		
300.0	300.0	280.0	280.0	0.5	0.5	-11.44	266.7	-54.0	272.1	271.1	0.98	276.333		
400.0	400.0	380.0	380.0	0.7	0.7	-11.44	266.7	-54.0	272.1	270.7	1.33	204.005		
500.0	500.0	480.0	480.0	0.8	0.8	-11.44	266.7	-54.0	272.1	270.4	1.68	161.686 CC, ES		
600.0	600.0	580.0	580.0	1.0	1.0	-171.69	266.7	-54.0	272.9	270.9	2.03	134.345		
700.0	700.0	680.0	680.0	1.2	1.2	-171.77	266.7	-54.0	275.5	273.1	2.38	115.766		
800.0	799.9	779.9	779.9	1.4	1.4	-171.89	266.7	-54.0	279.8	277.1	2.73	102.587		
900.0	899.7	879.7	879.7	1.6	1.5	-172.05	266.7	-54.0	285.5	282.5	3.08	92.819		
1,000.0	999.5	979.5	979.5	1.8	1.7	-172.21	266.7	-54.0	291.3	287.9	3.43	85.057		
1,100.0	1,099.4	1,079.4	1,079.4	2.0	1.9	-172.36	266.7	-54.0	297.2	293.4	3.77	78.732		
1,200.0	1,199.2	1,179.2	1,179.2	2.1	2.1	-172.51	266.7	-54.0	303.0	298.8	4.12	73.477		
1,300.0	1,299.0	1,279.0	1,279.0	2.3	2.2	-172.65	266.7	-54.0	308.8	304.3	4.47	69.044		
1,400.0	1,398.8	1,378.8	1,378.8	2.5	2.4	-172.79	266.7	-54.0	314.6	309.8	4.82	65.253		
1,500.0	1,498.7	1,478.7	1,478.7	2.7	2.6	-172.92	266.7	-54.0	320.4	315.2	5.17	61.974		
1,600.0	1,598.5	1,578.5	1,578.5	2.9	2.8	-173.05	266.7	-54.0	326.2	320.7	5.52	59.110		
1,700.0	1,698.3	1,678.3	1,678.3	3.1	2.9	-173.17	266.7	-54.0	332.1	326.2	5.87	56.588		
1,800.0	1,798.1	1,778.1	1,778.1	3.3	3.1	-173.29	266.7	-54.0	337.9	331.7	6.22	54.348		
1,900.0	1,898.0	1,878.0	1,878.0	3.5	3.3	-173.40	266.7	-54.0	343.7	337.1	6.57	52.348		
2,000.0	1,997.8	1,977.8	1,977.8	3.7	3.5	-173.51	266.7	-54.0	349.5	342.6	6.91	50.549		
2,100.0	2,097.6	2,077.6	2,077.6	3.9	3.6	-173.62	266.7	-54.0	355.4	348.1	7.26	48.923		
2,200.0	2,197.5	2,177.5	2,177.5	4.1	3.8	-173.72	266.7	-54.0	361.2	353.6	7.61	47.447		
2,300.0	2,297.3	2,277.3	2,277.3	4.3	4.0	-173.82	266.7	-54.0	367.0	359.1	7.96	46.100		
2,400.0	2,397.1	2,377.1	2,377.1	4.5	4.1	-173.92	266.7	-54.0	372.9	364.5	8.31	44.867		
2,500.0	2,496.9	2,476.9	2,476.9	4.7	4.3	-174.01	266.7	-54.0	378.7	370.0	8.66	43.733		
2,600.0	2,596.8	2,576.8	2,576.8	4.9	4.5	-174.10	266.7	-54.0	384.5	375.5	9.01	42.687		
2,700.0	2,696.6	2,676.6	2,676.6	5.1	4.7	-174.19	266.7	-54.0	390.3	381.0	9.36	41.719		
2,800.0	2,796.4	2,776.4	2,776.4	5.3	4.8	-174.28	266.7	-54.0	396.2	386.5	9.71	40.821		
2,900.0	2,896.3	2,876.3	2,876.3	5.5	5.0	-174.36	266.7	-54.0	402.0	392.0	10.05	39.986		
3,000.0	2,996.1	2,976.1	2,976.1	5.7	5.2	-174.44	266.7	-54.0	407.9	397.5	10.40	39.206		
3,100.0	3,095.9	3,075.9	3,075.9	6.0	5.4	-174.52	266.7	-54.0	413.7	402.9	10.75	38.477		
3,200.0	3,195.7	3,175.7	3,175.7	6.2	5.5	-174.60	266.7	-54.0	419.5	408.4	11.10	37.794		
3,300.0	3,295.6	3,275.6	3,275.6	6.4	5.7	-174.67	266.7	-54.0	425.4	413.9	11.45	37.153		
3,400.0	3,395.4	3,375.4	3,375.4	6.6	5.9	-174.74	266.7	-54.0	431.2	419.4	11.80	36.550		
3,500.0	3,495.2	3,475.2	3,475.2	6.8	6.1	-174.81	266.7	-54.0	437.1	424.9	12.15	35.981		
3,600.0	3,595.1	3,575.1	3,575.1	7.0	6.2	-174.88	266.7	-54.0	442.9	430.4	12.50	35.445		
3,700.0	3,694.9	3,674.9	3,674.9	7.2	6.4	-174.95	266.7	-54.0	448.7	435.9	12.84	34.937		
3,800.0	3,794.7	3,774.7	3,774.7	7.4	6.6	-175.01	266.7	-54.0	454.6	441.4	13.19	34.456		
3,900.0	3,894.5	3,874.5	3,874.5	7.6	6.8	-175.08	266.7	-54.0	460.4	446.9	13.54	34.001		
4,000.0	3,994.4	3,974.4	3,974.4	7.8	6.9	-175.14	266.7	-54.0	466.3	452.4	13.89	33.568		
4,100.0	4,094.2	4,074.2	4,074.2	8.0	7.1	-175.20	266.7	-54.0	472.1	457.9	14.24	33.156		
4,200.0	4,194.0	4,174.0	4,174.0	8.2	7.3	-175.26	266.7	-54.0	477.9	463.4	14.59	32.764		
4,300.0	4,293.8	4,273.8	4,273.8	8.4	7.5	-175.32	266.7	-54.0	483.8	468.9	14.94	32.391		
4,400.0	4,393.7	4,373.7	4,373.7	8.6	7.6	-175.37	266.7	-54.0	489.6	474.4	15.28	32.034		
4,500.0	4,493.5	4,473.5	4,473.5	8.8	7.8	-175.43	266.7	-54.0	495.5	479.8	15.63	31.694		
4,600.0	4,593.3	4,573.3	4,573.3	9.0	8.0	-175.48	266.7	-54.0	501.3	485.3	15.98	31.368		
4,700.0	4,693.2	4,673.2	4,673.2	9.2	8.2	-175.53	266.7	-54.0	507.2	490.8	16.33	31.056		
4,800.0	4,793.0	4,773.0	4,773.0	9.4	8.3	-175.58	266.7	-54.0	513.0	496.3	16.68	30.758		
4,900.0	4,892.8	4,872.8	4,872.8	9.6	8.5	-175.63	266.7	-54.0	518.9	501.8	17.03	30.471		
5,000.0	4,992.6	4,972.6	4,972.6	9.8	8.7	-175.68	266.7	-54.0	524.7	507.3	17.38	30.196		
5,100.0	5,092.5	5,039.0	5,039.0	10.0	8.8	-175.71	266.7	-54.0	531.6	514.0	17.67	30.091 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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - JILLSON 3 (EXISTING) - FOUNDATION WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 5039-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
5,200.0	5,192.3	5,039.0	5,039.0	10.2	8.8	-175.71	266.7	-54.0	552.7	534.9	17.84	30.979		
5,300.0	5,292.1	5,039.0	5,039.0	10.4	8.8	-175.71	266.7	-54.0	590.2	572.2	18.02	32.761		
5,400.0	5,392.0	5,039.0	5,039.0	10.6	8.8	-175.71	266.7	-54.0	641.3	623.1	18.19	35.253		
5,500.0	5,491.8	5,039.0	5,039.0	10.8	8.8	-175.71	266.7	-54.0	703.0	684.6	18.37	38.275		
5,600.0	5,591.6	5,039.0	5,039.0	11.0	8.8	-175.71	266.7	-54.0	772.7	754.2	18.54	41.675		
5,700.0	5,691.4	5,039.0	5,039.0	11.2	8.8	-175.71	266.7	-54.0	848.5	829.8	18.72	45.336		
5,800.0	5,791.3	5,039.0	5,039.0	11.4	8.8	-175.71	266.7	-54.0	928.9	910.0	18.89	49.172		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design 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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)					
7,600.0	7,426.2	7,422.2	7,422.2	13.5	13.0	75.89	622.9	935.8	993.2	967.5	25.79	38.508			
7,700.0	7,451.7	7,447.7	7,447.7	13.9	13.0	84.02	622.9	935.8	939.0	912.4	26.60	35.305			
7,800.0	7,460.0	7,456.0	7,456.0	14.5	13.0	90.00	622.9	935.8	891.0	863.6	27.31	32.624			
7,900.0	7,460.0	7,456.0	7,456.0	15.3	13.0	90.00	622.9	935.8	851.9	823.8	28.11	30.310			
8,000.0	7,460.0	7,456.0	7,456.0	16.2	13.0	90.00	622.9	935.8	823.1	794.1	29.05	28.332			
8,100.0	7,460.0	7,456.0	7,456.0	17.3	13.0	90.00	622.9	935.8	805.9	775.7	30.13	26.747			
8,190.6	7,460.0	7,456.0	7,456.0	18.3	13.0	90.00	622.9	935.8	800.8	769.6	31.20	25.665 CC			
8,200.0	7,460.0	7,456.0	7,456.0	18.5	13.0	90.00	622.9	935.8	800.8	769.5	31.31	25.576 ES			
8,300.0	7,460.0	7,456.0	7,456.0	19.7	13.0	90.00	622.9	935.8	808.2	775.6	32.58	24.808			
8,400.0	7,460.0	7,456.0	7,456.0	21.0	13.0	90.00	622.9	935.8	827.7	793.8	33.92	24.404			
8,500.0	7,460.0	7,456.0	7,456.0	22.4	13.0	90.00	622.9	935.8	858.4	823.1	35.31	24.310 SF			
8,600.0	7,460.0	7,456.0	7,456.0	23.9	13.0	90.00	622.9	935.8	899.3	862.6	36.75	24.468			
8,700.0	7,460.0	7,456.0	7,456.0	25.3	13.0	90.00	622.9	935.8	949.0	910.8	38.24	24.819			

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3A-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			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	-90.01	0.0	-30.2	30.2					
100.0	100.0	100.0	100.0	0.1	0.2	-90.01	0.0	-30.2	30.2	29.9	0.30	101.203		
200.0	200.0	200.0	200.0	0.3	0.3	-90.01	0.0	-30.2	30.2	29.6	0.65	46.646 CC, ES		
300.0	300.0	299.6	299.6	0.5	0.5	-91.12	-0.6	-30.8	30.8	29.8	1.00	30.943		
400.0	400.0	399.2	399.1	0.7	0.7	-94.19	-2.4	-32.7	32.8	31.5	1.35	24.324		
500.0	500.0	498.6	498.5	0.8	0.9	-98.54	-5.4	-35.8	36.3	34.6	1.71	21.266		
600.0	600.0	597.9	597.5	1.0	1.1	97.56	-9.5	-40.2	41.5	39.4	2.05	20.211		
700.0	700.0	697.3	696.7	1.2	1.3	95.89	-14.7	-45.6	48.3	45.9	2.41	20.030		
800.0	799.9	797.1	796.2	1.4	1.5	96.32	-20.1	-51.2	55.5	52.7	2.78	19.961		
900.0	899.7	896.8	895.6	1.6	1.7	97.95	-25.4	-56.8	62.8	59.6	3.15	19.908		
1,000.0	999.5	996.5	995.0	1.8	1.9	99.34	-30.7	-62.4	70.2	66.7	3.54	19.856		
1,100.0	1,099.4	1,096.2	1,094.4	2.0	2.1	100.47	-36.1	-68.0	77.7	73.7	3.92	19.807		
1,200.0	1,199.2	1,195.9	1,193.8	2.1	2.3	101.40	-41.4	-73.5	85.1	80.8	4.31	19.761		
1,300.0	1,299.0	1,295.6	1,293.2	2.3	2.6	102.18	-46.7	-79.1	92.6	87.9	4.70	19.719		
1,400.0	1,398.8	1,395.3	1,392.6	2.5	2.8	102.84	-52.1	-84.7	100.1	95.0	5.09	19.681		
1,500.0	1,498.7	1,495.1	1,492.1	2.7	3.0	103.42	-57.4	-90.3	107.6	102.1	5.48	19.647		
1,600.0	1,598.5	1,594.8	1,591.5	2.9	3.2	103.91	-62.7	-95.9	115.1	109.3	5.87	19.617		
1,700.0	1,698.3	1,694.5	1,690.9	3.1	3.4	104.35	-68.1	-101.4	122.6	116.4	6.26	19.589		
1,800.0	1,798.1	1,794.2	1,790.3	3.3	3.7	104.73	-73.4	-107.0	130.2	123.5	6.65	19.563		
1,900.0	1,898.0	1,893.9	1,889.7	3.5	3.9	105.08	-78.7	-112.6	137.7	130.7	7.05	19.540		
2,000.0	1,997.8	1,993.6	1,989.1	3.7	4.1	105.38	-84.1	-118.2	145.3	137.8	7.44	19.519		
2,100.0	2,097.6	2,093.3	2,088.5	3.9	4.3	105.66	-89.4	-123.8	152.8	145.0	7.84	19.500		
2,200.0	2,197.5	2,193.0	2,187.9	4.1	4.5	105.91	-94.7	-129.3	160.4	152.1	8.23	19.482		
2,300.0	2,297.3	2,292.8	2,287.4	4.3	4.8	106.14	-100.1	-134.9	167.9	159.3	8.63	19.466		
2,400.0	2,397.1	2,392.5	2,386.8	4.5	5.0	106.35	-105.4	-140.5	175.5	166.4	9.02	19.451		
2,500.0	2,496.9	2,492.2	2,486.2	4.7	5.2	106.54	-110.7	-146.1	183.0	173.6	9.42	19.437		
2,600.0	2,596.8	2,591.9	2,585.6	4.9	5.4	106.72	-116.0	-151.7	190.6	180.8	9.81	19.424		
2,700.0	2,696.6	2,691.6	2,685.0	5.1	5.6	106.88	-121.4	-157.3	198.1	187.9	10.21	19.412		
2,800.0	2,796.4	2,791.3	2,784.4	5.3	5.8	107.03	-126.7	-162.8	205.7	195.1	10.60	19.401		
2,900.0	2,896.3	2,891.0	2,883.8	5.5	6.1	107.17	-132.0	-168.4	213.3	202.3	11.00	19.390		
3,000.0	2,996.1	2,990.7	2,983.2	5.7	6.3	107.30	-137.4	-174.0	220.8	209.4	11.39	19.381		
3,100.0	3,095.9	3,090.4	3,082.7	6.0	6.5	107.43	-142.7	-179.6	228.4	216.6	11.79	19.371		
3,200.0	3,195.7	3,190.2	3,182.1	6.2	6.7	107.54	-148.0	-185.2	235.9	223.8	12.19	19.363		
3,300.0	3,295.6	3,289.9	3,281.5	6.4	6.9	107.65	-153.4	-190.7	243.5	230.9	12.58	19.355		
3,400.0	3,395.4	3,389.6	3,380.9	6.6	7.2	107.75	-158.7	-196.3	251.1	238.1	12.98	19.347		
3,500.0	3,495.2	3,489.3	3,480.3	6.8	7.4	107.84	-164.0	-201.9	258.6	245.3	13.37	19.340		
3,600.0	3,595.1	3,589.0	3,579.7	7.0	7.6	107.93	-169.4	-207.5	266.2	252.4	13.77	19.333		
3,700.0	3,694.9	3,688.7	3,679.1	7.2	7.8	108.02	-174.7	-213.1	273.8	259.6	14.17	19.326		
3,800.0	3,794.7	3,788.4	3,778.6	7.4	8.0	108.10	-180.0	-218.7	281.4	266.8	14.56	19.320		
3,900.0	3,894.5	3,888.1	3,878.0	7.6	8.3	108.17	-185.4	-224.2	288.9	274.0	14.96	19.314		
4,000.0	3,994.4	3,987.9	3,977.4	7.8	8.5	108.24	-190.7	-229.8	296.5	281.1	15.36	19.309		
4,100.0	4,094.2	4,087.6	4,076.8	8.0	8.7	108.31	-196.0	-235.4	304.1	288.3	15.75	19.303		
4,200.0	4,194.0	4,187.3	4,176.2	8.2	8.9	108.38	-201.4	-241.0	311.6	295.5	16.15	19.298		
4,300.0	4,293.8	4,287.0	4,275.6	8.4	9.1	108.44	-206.7	-246.6	319.2	302.7	16.55	19.293		
4,400.0	4,393.7	4,386.7	4,375.0	8.6	9.4	108.50	-212.0	-252.1	326.8	309.8	16.94	19.289		
4,500.0	4,493.5	4,486.4	4,474.4	8.8	9.6	108.55	-217.4	-257.7	334.4	317.0	17.34	19.284		
4,600.0	4,593.3	4,586.1	4,573.9	9.0	9.8	108.61	-222.7	-263.3	341.9	324.2	17.73	19.280		
4,700.0	4,693.2	4,685.8	4,673.3	9.2	10.0	108.66	-228.0	-268.9	349.5	331.4	18.13	19.276		
4,800.0	4,793.0	4,785.6	4,772.7	9.4	10.2	108.71	-233.4	-274.5	357.1	338.5	18.53	19.272		
4,900.0	4,892.8	4,885.3	4,872.1	9.6	10.5	108.76	-238.7	-280.1	364.6	345.7	18.92	19.268		
5,000.0	4,992.6	4,985.0	4,971.5	9.8	10.7	108.80	-244.0	-285.6	372.2	352.9	19.32	19.265		
5,100.0	5,092.5	5,084.7	5,070.9	10.0	10.9	108.84	-249.4	-291.2	379.8	360.1	19.72	19.261		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3A-22H-M268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,192.3	5,184.4	5,170.3	10.2	11.1	108.89	-254.7	-296.8	387.4	367.3	20.11	19.258		
5,300.0	5,292.1	5,284.1	5,269.8	10.4	11.3	108.93	-260.0	-302.4	394.9	374.4	20.51	19.255		
5,400.0	5,392.0	5,383.8	5,369.2	10.6	11.6	108.96	-265.3	-308.0	402.5	381.6	20.91	19.252		
5,500.0	5,491.8	5,483.5	5,468.6	10.8	11.8	109.00	-270.7	-313.5	410.1	388.8	21.31	19.249		
5,600.0	5,591.6	5,583.3	5,568.0	11.0	12.0	109.04	-276.0	-319.1	417.7	396.0	21.70	19.246		
5,700.0	5,691.4	5,683.0	5,667.4	11.2	12.2	109.07	-281.3	-324.7	425.2	403.1	22.10	19.243		
5,800.0	5,791.3	5,782.7	5,766.8	11.4	12.4	109.11	-286.7	-330.3	432.8	410.3	22.50	19.240		
5,900.0	5,891.1	5,882.4	5,866.2	11.6	12.7	109.14	-292.0	-335.9	440.4	417.5	22.89	19.238		
6,000.0	5,990.9	5,982.1	5,965.6	11.8	12.9	109.17	-297.3	-341.4	448.0	424.7	23.29	19.235		
6,100.0	6,090.7	6,081.8	6,065.1	12.0	13.1	109.20	-302.7	-347.0	455.5	431.9	23.69	19.233		
6,200.0	6,190.6	6,181.5	6,164.5	12.2	13.3	109.23	-308.0	-352.6	463.1	439.0	24.08	19.230		
6,300.0	6,290.4	6,281.2	6,263.9	12.4	13.5	109.26	-313.3	-358.2	470.7	446.2	24.48	19.228		
6,400.0	6,390.2	6,381.0	6,363.3	12.6	13.8	109.28	-318.7	-363.8	478.3	453.4	24.88	19.226		
6,500.0	6,490.1	6,480.7	6,462.7	12.8	14.0	109.31	-324.0	-369.4	485.9	460.6	25.27	19.224		
6,600.0	6,589.9	6,580.4	6,562.1	13.0	14.2	109.34	-329.3	-374.9	493.4	467.8	25.67	19.222		
6,700.0	6,689.7	6,680.1	6,661.5	13.2	14.4	109.36	-334.7	-380.5	501.0	474.9	26.07	19.220		
6,800.0	6,789.5	6,779.8	6,760.9	13.4	14.6	109.39	-340.0	-386.1	508.6	482.1	26.46	19.218		
6,900.0	6,889.4	6,879.4	6,860.3	13.6	14.9	-169.05	-345.2	-391.7	516.2	489.3	26.84	19.228		
7,000.0	6,988.8	6,978.6	6,959.0	13.7	15.0	-96.23	-339.6	-397.4	523.9	496.9	26.99	19.410		
7,100.0	7,085.2	7,078.5	7,055.9	13.6	15.0	-92.74	-316.8	-403.1	531.6	504.7	26.91	19.757		
7,200.0	7,175.5	7,178.9	7,148.0	13.5	14.9	-91.33	-277.2	-408.9	539.0	512.4	26.66	20.220		
7,300.0	7,257.1	7,280.1	7,232.2	13.4	14.8	-90.49	-221.8	-414.3	546.0	519.7	26.36	20.715		
7,400.0	7,327.4	7,381.9	7,305.9	13.3	14.8	-89.91	-151.9	-419.4	552.4	526.2	26.14	21.130		
7,500.0	7,384.4	7,484.3	7,366.3	13.3	14.8	-89.48	-69.5	-423.8	557.8	531.6	26.15	21.331		
7,600.0	7,426.2	7,587.2	7,411.4	13.5	15.0	-89.18	22.8	-427.5	562.2	535.6	26.51	21.202		
7,700.0	7,451.7	7,690.6	7,439.3	13.9	15.3	-88.98	122.2	-430.3	565.3	538.0	27.31	20.700		
7,800.0	7,460.0	7,794.4	7,449.0	14.5	15.9	-88.89	225.3	-432.1	567.2	538.7	28.55	19.870		
7,900.0	7,460.0	7,894.4	7,449.0	15.3	16.6	-88.89	325.4	-433.3	568.5	538.3	30.13	18.867		
8,000.0	7,460.0	7,994.4	7,449.0	16.2	17.5	-88.89	425.3	-434.5	569.7	537.7	32.02	17.794		
8,100.0	7,460.0	8,094.4	7,449.0	17.3	18.5	-88.90	525.3	-435.8	570.9	536.7	34.16	16.713		
8,200.0	7,460.0	8,194.4	7,449.0	18.5	19.6	-88.90	625.3	-437.0	572.1	535.6	36.51	15.669		
8,300.0	7,460.0	8,294.4	7,449.0	19.7	20.8	-88.90	725.3	-438.2	573.3	534.3	39.04	14.686		
8,400.0	7,460.0	8,394.4	7,449.0	21.0	22.0	-88.90	825.3	-439.4	574.6	532.9	41.71	13.775		
8,500.0	7,460.0	8,494.4	7,449.0	22.4	23.3	-88.91	925.3	-440.6	575.8	531.3	44.50	12.940		
8,600.0	7,460.0	8,594.4	7,449.0	23.9	24.7	-88.91	1,025.3	-441.9	577.0	529.6	47.38	12.179		
8,700.0	7,460.0	8,694.4	7,449.0	25.3	26.1	-88.91	1,125.2	-443.1	578.2	527.9	50.34	11.486		
8,800.0	7,460.0	8,794.3	7,449.0	26.8	27.6	-88.91	1,225.2	-444.3	579.5	526.1	53.37	10.858		
8,900.0	7,460.0	8,894.3	7,449.0	28.4	29.1	-88.91	1,325.2	-445.5	580.7	524.2	56.45	10.286		
9,000.0	7,460.0	8,994.3	7,449.0	29.9	30.6	-88.92	1,425.2	-446.7	581.9	522.3	59.58	9.766		
9,100.0	7,460.0	9,094.3	7,449.0	31.5	32.2	-88.92	1,525.2	-448.0	583.1	520.4	62.75	9.292		
9,200.0	7,460.0	9,194.3	7,449.0	33.1	33.7	-88.92	1,625.2	-449.2	584.2	518.2	66.00	8.850		
9,300.0	7,460.0	9,294.3	7,449.0	34.7	35.3	-88.92	1,725.2	-450.4	584.2	514.9	69.24	8.437		
9,400.0	7,460.0	9,394.3	7,449.0	36.4	36.9	-88.92	1,825.1	-451.6	584.2	511.7	72.50	8.058		
9,500.0	7,460.0	9,494.3	7,449.0	38.0	38.5	-88.92	1,925.1	-452.9	584.2	508.4	75.78	7.709		
9,600.0	7,460.0	9,594.3	7,449.0	39.6	40.2	-88.92	2,025.1	-454.1	584.2	505.1	79.08	7.387		
9,700.0	7,460.0	9,694.3	7,449.0	41.3	41.8	-88.92	2,125.1	-455.3	584.2	501.8	82.40	7.090		
9,800.0	7,460.0	9,794.3	7,449.0	43.0	43.4	-88.92	2,225.1	-456.5	584.3	498.5	85.74	6.815		
9,900.0	7,460.0	9,894.3	7,449.0	44.6	45.1	-88.92	2,325.1	-457.7	584.3	495.2	89.08	6.559		
10,000.0	7,460.0	9,994.3	7,449.0	46.3	46.8	-88.92	2,425.1	-459.0	584.3	491.9	92.44	6.321		
10,100.0	7,460.0	10,094.3	7,449.0	48.0	48.4	-88.92	2,525.1	-460.2	584.3	488.5	95.81	6.099		
10,200.0	7,460.0	10,194.3	7,449.0	49.7	50.1	-88.92	2,625.1	-461.4	584.3	485.1	99.19	5.891		
10,300.0	7,460.0	10,294.3	7,449.0	51.4	51.8	-88.92	2,725.1	-462.6	584.4	481.8	102.58	5.697		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3A-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,400.0	7,460.0	10,394.3	7,449.0	53.1	53.5	-88.92	2,825.1	-463.8	584.4	478.4	105.97	5.514		
10,500.0	7,460.0	10,494.3	7,449.0	54.8	55.1	-88.92	2,925.1	-465.1	584.4	475.0	109.38	5.343		
10,600.0	7,460.0	10,594.3	7,449.0	56.5	56.8	-88.92	3,025.1	-466.3	584.4	471.6	112.79	5.182		
10,700.0	7,460.0	10,694.3	7,449.0	58.2	58.5	-88.92	3,125.1	-467.5	584.4	468.2	116.20	5.029		
10,800.0	7,460.0	10,794.3	7,449.0	59.9	60.2	-88.92	3,225.0	-468.7	584.4	464.8	119.62	4.886		
10,900.0	7,460.0	10,894.3	7,449.0	61.6	61.9	-88.92	3,325.0	-470.0	584.5	461.4	123.05	4.750		
11,000.0	7,460.0	10,994.3	7,449.0	63.3	63.6	-88.92	3,425.0	-471.2	584.5	458.0	126.48	4.621		
11,100.0	7,460.0	11,094.3	7,449.0	65.0	65.3	-88.92	3,525.0	-472.4	584.5	454.6	129.91	4.499		
11,200.0	7,460.0	11,194.3	7,449.0	66.7	67.1	-88.92	3,625.0	-473.6	584.5	451.2	133.35	4.383		
11,300.0	7,460.0	11,294.3	7,449.0	68.5	68.8	-88.92	3,725.0	-474.8	584.5	447.7	136.79	4.273		
11,400.0	7,460.0	11,394.3	7,449.0	70.2	70.5	-88.92	3,825.0	-476.1	584.5	444.3	140.23	4.168		
11,500.0	7,460.0	11,494.3	7,449.0	71.9	72.2	-88.92	3,925.0	-477.3	584.6	440.9	143.68	4.068		
11,600.0	7,460.0	11,594.3	7,449.0	73.6	73.9	-88.92	4,025.0	-478.5	584.6	437.5	147.13	3.973		
11,700.0	7,460.0	11,694.3	7,449.0	75.4	75.6	-88.92	4,125.0	-479.7	584.6	434.0	150.59	3.882		
11,800.0	7,460.0	11,794.3	7,449.0	77.1	77.3	-88.92	4,225.0	-481.0	584.6	430.6	154.04	3.795		
11,900.0	7,460.0	11,894.3	7,449.0	78.8	79.1	-88.92	4,325.0	-482.2	584.6	427.1	157.50	3.712		
12,000.0	7,460.0	11,994.3	7,449.0	80.5	80.8	-88.92	4,425.0	-483.4	584.7	423.7	160.96	3.632		
12,100.0	7,460.0	12,094.3	7,449.0	82.3	82.5	-88.92	4,524.9	-484.6	584.7	420.2	164.42	3.556		
12,200.0	7,460.0	12,194.3	7,449.0	84.0	84.2	-88.92	4,624.9	-485.8	584.7	416.8	167.88	3.483		
12,300.0	7,460.0	12,294.3	7,449.0	85.7	86.0	-88.92	4,724.9	-487.1	584.7	413.4	171.35	3.412		
12,400.0	7,460.0	12,394.3	7,449.0	87.5	87.7	-88.92	4,824.9	-488.3	584.7	409.9	174.82	3.345		
12,500.0	7,460.0	12,494.3	7,449.0	89.2	89.4	-88.92	4,924.9	-489.5	584.7	406.5	178.29	3.280		
12,600.0	7,460.0	12,594.3	7,449.0	90.9	91.2	-88.92	5,024.9	-490.7	584.8	403.0	181.76	3.217		
12,700.0	7,460.0	12,694.3	7,449.0	92.7	92.9	-88.92	5,124.9	-491.9	584.8	399.5	185.23	3.157		
12,800.0	7,460.0	12,794.3	7,449.0	94.4	94.6	-88.92	5,224.9	-493.2	584.8	396.1	188.70	3.099		
12,900.0	7,460.0	12,894.3	7,449.0	96.1	96.4	-88.92	5,324.9	-494.4	584.8	392.6	192.18	3.043		
13,000.0	7,460.0	12,994.3	7,449.0	97.9	98.1	-88.92	5,424.9	-495.6	584.8	389.2	195.65	2.989		
13,100.0	7,460.0	13,094.3	7,449.0	99.6	99.8	-88.92	5,524.9	-496.8	584.8	385.7	199.13	2.937		
13,200.0	7,460.0	13,194.3	7,449.0	101.4	101.6	-88.92	5,624.9	-498.1	584.9	382.3	202.61	2.887		
13,300.0	7,460.0	13,294.3	7,449.0	103.1	103.3	-88.92	5,724.9	-499.3	584.9	378.8	206.09	2.838		
13,400.0	7,460.0	13,394.3	7,449.0	104.8	105.0	-88.92	5,824.9	-500.5	584.9	375.3	209.57	2.791		
13,500.0	7,460.0	13,494.3	7,449.0	106.6	106.8	-88.92	5,924.8	-501.7	584.9	371.9	213.05	2.745		
13,600.0	7,460.0	13,594.3	7,449.0	108.3	108.5	-88.92	6,024.8	-502.9	584.9	368.4	216.53	2.701		
13,700.0	7,460.0	13,694.3	7,449.0	110.1	110.2	-88.92	6,124.8	-504.2	585.0	364.9	220.01	2.659		
13,800.0	7,460.0	13,794.3	7,449.0	111.8	112.0	-88.92	6,224.8	-505.4	585.0	361.5	223.49	2.617		
13,900.0	7,460.0	13,894.3	7,449.0	113.5	113.7	-88.92	6,324.8	-506.6	585.0	358.0	226.98	2.577		
14,000.0	7,460.0	13,994.3	7,449.0	115.3	115.5	-88.92	6,424.8	-507.8	585.0	354.5	230.46	2.538		
14,100.0	7,460.0	14,094.3	7,449.0	117.0	117.2	-88.92	6,524.8	-509.0	585.0	351.1	233.95	2.501		
14,200.0	7,460.0	14,194.3	7,449.0	118.8	118.9	-88.92	6,624.8	-510.3	585.0	347.6	237.43	2.464		
14,300.0	7,460.0	14,294.3	7,449.0	120.5	120.7	-88.92	6,724.8	-511.5	585.1	344.1	240.92	2.428		
14,400.0	7,460.0	14,394.3	7,449.0	122.3	122.4	-88.92	6,824.8	-512.7	585.1	340.7	244.41	2.394		
14,500.0	7,460.0	14,494.3	7,449.0	124.0	124.2	-88.92	6,924.8	-513.9	585.1	337.2	247.90	2.360		
14,600.0	7,460.0	14,594.3	7,449.0	125.7	125.9	-88.92	7,024.8	-515.2	585.1	333.7	251.38	2.328		
14,700.0	7,460.0	14,694.3	7,449.0	127.5	127.6	-88.92	7,124.8	-516.4	585.1	330.3	254.87	2.296		
14,800.0	7,460.0	14,794.3	7,449.0	129.2	129.4	-88.92	7,224.7	-517.6	585.1	326.8	258.36	2.265		
14,900.0	7,460.0	14,894.3	7,449.0	131.0	131.1	-88.92	7,324.7	-518.8	585.2	323.3	261.85	2.235		
15,000.0	7,460.0	14,994.3	7,449.0	132.7	132.9	-88.92	7,424.7	-520.0	585.2	319.8	265.34	2.205		
15,100.0	7,460.0	15,094.3	7,449.0	134.5	134.6	-88.92	7,524.7	-521.3	585.2	316.4	268.83	2.177		
15,173.6	7,460.0	15,167.9	7,449.0	135.8	135.9	-88.92	7,598.3	-522.2	585.2	313.8	271.40	2.156 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3B-22H-M268 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-20.1	20.1					
100.0	100.0	100.0	100.0	0.1	0.2	-90.01	0.0	-20.1	20.1	19.8	0.30	67.469		
200.0	200.0	200.0	200.0	0.3	0.3	-90.01	0.0	-20.1	20.1	19.5	0.65	31.098		
300.0	300.0	300.0	300.0	0.5	0.5	-90.01	0.0	-20.1	20.1	19.1	1.00	20.205 CC, ES		
400.0	400.0	399.8	399.8	0.7	0.7	-92.05	-0.7	-20.6	20.6	19.3	1.35	15.316		
500.0	500.0	499.5	499.5	0.8	0.9	-97.62	-2.9	-22.0	22.2	20.5	1.70	13.069		
600.0	600.0	599.2	599.1	1.0	1.0	96.51	-6.6	-24.3	25.3	23.2	2.05	12.333		
700.0	700.0	698.9	698.6	1.2	1.2	93.46	-11.6	-27.5	29.9	27.5	2.41	12.400		
800.0	799.9	798.7	798.2	1.4	1.4	93.75	-16.9	-30.8	34.8	32.1	2.78	12.547		
900.0	899.7	898.6	897.9	1.6	1.6	95.98	-22.2	-34.2	39.9	36.8	3.15	12.661		
1,000.0	999.5	998.5	997.6	1.8	1.8	97.86	-27.5	-37.5	45.1	41.5	3.54	12.752		
1,100.0	1,099.4	1,098.3	1,097.2	2.0	2.0	99.36	-32.8	-40.9	50.3	46.4	3.92	12.824		
1,200.0	1,199.2	1,198.2	1,196.9	2.1	2.2	100.57	-38.1	-44.2	55.5	51.2	4.31	12.882		
1,300.0	1,299.0	1,298.0	1,296.5	2.3	2.4	101.58	-43.4	-47.5	60.7	56.0	4.70	12.930		
1,400.0	1,398.8	1,397.9	1,396.2	2.5	2.6	102.42	-48.7	-50.9	66.0	60.9	5.09	12.971		
1,500.0	1,498.7	1,497.7	1,495.9	2.7	2.8	103.14	-54.0	-54.2	71.2	65.8	5.48	13.006		
1,600.0	1,598.5	1,597.6	1,595.5	2.9	3.0	103.76	-59.2	-57.6	76.5	70.7	5.87	13.036		
1,700.0	1,698.3	1,697.5	1,695.2	3.1	3.2	104.30	-64.5	-60.9	81.8	75.5	6.26	13.062		
1,800.0	1,798.1	1,797.3	1,794.8	3.3	3.5	104.78	-69.8	-64.3	87.1	80.4	6.66	13.085		
1,900.0	1,898.0	1,897.2	1,894.5	3.5	3.7	105.20	-75.1	-67.6	92.4	85.3	7.05	13.105		
2,000.0	1,997.8	1,997.0	1,994.2	3.7	3.9	105.58	-80.4	-71.0	97.7	90.2	7.44	13.123		
2,100.0	2,097.6	2,096.9	2,093.8	3.9	4.1	105.91	-85.7	-74.3	103.0	95.2	7.84	13.139		
2,200.0	2,197.5	2,196.8	2,193.5	4.1	4.3	106.22	-91.0	-77.6	108.3	100.1	8.23	13.154		
2,300.0	2,297.3	2,296.6	2,293.2	4.3	4.5	106.49	-96.3	-81.0	113.6	105.0	8.63	13.167		
2,400.0	2,397.1	2,396.5	2,392.8	4.5	4.7	106.74	-101.6	-84.3	118.9	109.9	9.02	13.180		
2,500.0	2,496.9	2,496.3	2,492.5	4.7	4.9	106.97	-106.9	-87.7	124.2	114.8	9.42	13.191		
2,600.0	2,596.8	2,596.2	2,592.1	4.9	5.1	107.18	-112.2	-91.0	129.6	119.7	9.81	13.201		
2,700.0	2,696.6	2,696.0	2,691.8	5.1	5.3	107.38	-117.4	-94.4	134.9	124.7	10.21	13.210		
2,800.0	2,796.4	2,795.9	2,791.5	5.3	5.5	107.55	-122.7	-97.7	140.2	129.6	10.60	13.219		
2,900.0	2,896.3	2,895.8	2,891.1	5.5	5.7	107.72	-128.0	-101.0	145.5	134.5	11.00	13.227		
3,000.0	2,996.1	2,995.6	2,990.8	5.7	5.9	107.88	-133.3	-104.4	150.8	139.4	11.40	13.235		
3,100.0	3,095.9	3,095.5	3,090.4	6.0	6.1	108.02	-138.6	-107.7	156.1	144.4	11.79	13.242		
3,200.0	3,195.7	3,195.3	3,190.1	6.2	6.3	108.15	-143.9	-111.1	161.5	149.3	12.19	13.248		
3,300.0	3,295.6	3,295.2	3,289.8	6.4	6.5	108.28	-149.2	-114.4	166.8	154.2	12.58	13.255		
3,400.0	3,395.4	3,395.0	3,389.4	6.6	6.7	108.40	-154.5	-117.8	172.1	159.1	12.98	13.260		
3,500.0	3,495.2	3,494.9	3,489.1	6.8	6.9	108.51	-159.8	-121.1	177.4	164.1	13.38	13.266		
3,600.0	3,595.1	3,594.8	3,588.7	7.0	7.1	108.61	-165.1	-124.5	182.8	169.0	13.77	13.271		
3,700.0	3,694.9	3,694.6	3,688.4	7.2	7.4	108.71	-170.4	-127.8	188.1	173.9	14.17	13.276		
3,800.0	3,794.7	3,794.5	3,788.1	7.4	7.6	108.80	-175.6	-131.1	193.4	178.9	14.56	13.280		
3,900.0	3,894.5	3,894.3	3,887.7	7.6	7.8	108.89	-180.9	-134.5	198.8	183.8	14.96	13.285		
4,000.0	3,994.4	3,994.2	3,987.4	7.8	8.0	108.98	-186.2	-137.8	204.1	188.7	15.36	13.289		
4,100.0	4,094.2	4,094.0	4,087.1	8.0	8.2	109.06	-191.5	-141.2	209.4	193.7	15.75	13.293		
4,200.0	4,194.0	4,193.9	4,186.7	8.2	8.4	109.13	-196.8	-144.5	214.7	198.6	16.15	13.297		
4,300.0	4,293.8	4,293.8	4,286.4	8.4	8.6	109.20	-202.1	-147.9	220.1	203.5	16.55	13.300		
4,400.0	4,393.7	4,393.6	4,386.0	8.6	8.8	109.27	-207.4	-151.2	225.4	208.4	16.94	13.304		
4,500.0	4,493.5	4,493.5	4,485.7	8.8	9.0	109.34	-212.7	-154.6	230.7	213.4	17.34	13.307		
4,600.0	4,593.3	4,593.3	4,585.4	9.0	9.2	109.40	-218.0	-157.9	236.1	218.3	17.74	13.310		
4,700.0	4,693.2	4,693.2	4,685.0	9.2	9.4	109.46	-223.3	-161.2	241.4	223.2	18.13	13.313		
4,800.0	4,793.0	4,793.0	4,784.7	9.4	9.6	109.51	-228.6	-164.6	246.7	228.2	18.53	13.316		
4,900.0	4,892.8	4,892.9	4,884.3	9.6	9.8	109.57	-233.8	-167.9	252.0	233.1	18.92	13.318		
5,000.0	4,992.6	4,992.8	4,984.0	9.8	10.0	109.62	-239.1	-171.3	257.4	238.1	19.32	13.321		
5,100.0	5,092.5	5,092.6	5,083.7	10.0	10.2	109.67	-244.4	-174.6	262.7	243.0	19.72	13.323		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3B-22H-M268 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	5,192.3	5,192.5	5,183.3	10.2	10.4	109.72	-249.7	-178.0	268.0	247.9	20.11	13.326		
5,300.0	5,292.1	5,292.3	5,283.0	10.4	10.6	109.77	-255.0	-181.3	273.4	252.9	20.51	13.328		
5,400.0	5,392.0	5,392.2	5,382.7	10.6	10.8	109.81	-260.3	-184.6	278.7	257.8	20.91	13.330		
5,500.0	5,491.8	5,492.1	5,482.3	10.8	11.1	109.85	-265.6	-188.0	284.0	262.7	21.30	13.332		
5,600.0	5,591.6	5,591.9	5,582.0	11.0	11.3	109.89	-270.9	-191.3	289.4	267.7	21.70	13.334		
5,700.0	5,691.4	5,691.8	5,681.6	11.2	11.5	109.93	-276.2	-194.7	294.7	272.6	22.10	13.336		
5,800.0	5,791.3	5,791.6	5,781.3	11.4	11.7	109.97	-281.5	-198.0	300.0	277.5	22.49	13.338		
5,900.0	5,891.1	5,891.5	5,881.0	11.6	11.9	110.01	-286.8	-201.4	305.4	282.5	22.89	13.340		
6,000.0	5,990.9	5,991.3	5,980.6	11.8	12.1	110.04	-292.1	-204.7	310.7	287.4	23.29	13.342		
6,100.0	6,090.7	6,091.2	6,080.3	12.0	12.3	110.08	-297.3	-208.1	316.0	292.3	23.68	13.344		
6,200.0	6,190.6	6,191.1	6,179.9	12.2	12.5	110.11	-302.6	-211.4	321.4	297.3	24.08	13.345		
6,300.0	6,290.4	6,290.9	6,279.6	12.4	12.7	110.14	-307.9	-214.7	326.7	302.2	24.48	13.347		
6,400.0	6,390.2	6,390.8	6,379.3	12.6	12.9	110.18	-313.2	-218.1	332.0	307.1	24.87	13.349		
6,500.0	6,490.1	6,490.6	6,478.9	12.8	13.1	110.21	-318.5	-221.4	337.4	312.1	25.27	13.350		
6,600.0	6,589.9	6,590.5	6,578.6	13.0	13.3	110.24	-323.8	-224.8	342.7	317.0	25.67	13.352		
6,700.0	6,689.7	6,690.3	6,678.2	13.2	13.5	110.26	-329.1	-228.1	348.0	322.0	26.06	13.353		
6,800.0	6,789.5	6,790.2	6,777.9	13.4	13.7	110.29	-334.4	-231.5	353.4	326.9	26.46	13.354		
6,900.0	6,889.4	6,890.0	6,877.6	13.6	13.9	-168.29	-339.7	-234.8	358.7	331.8	26.84	13.363		
7,000.0	6,988.8	6,988.7	6,976.1	13.7	14.1	-97.55	-344.9	-238.1	364.1	337.1	27.07	13.454		
7,100.0	7,085.2	7,088.9	7,076.0	13.6	14.3	-97.53	-342.8	-241.5	370.9	343.8	27.05	13.712		
7,200.0	7,175.5	7,193.8	7,178.7	13.5	14.3	-99.44	-322.1	-245.3	378.9	352.1	26.81	14.136		
7,300.0	7,257.1	7,304.0	7,280.5	13.4	14.2	-101.62	-280.6	-249.2	387.8	361.4	26.42	14.676		
7,400.0	7,327.4	7,419.7	7,376.7	13.3	14.0	-103.67	-217.0	-253.1	396.9	370.8	26.03	15.244		
7,500.0	7,384.4	7,540.9	7,461.7	13.3	13.9	-105.41	-131.0	-256.9	405.3	379.5	25.81	15.703		
7,600.0	7,426.2	7,667.0	7,529.0	13.5	14.0	-106.70	-24.6	-260.3	412.3	386.4	25.96	15.886		
7,700.0	7,451.7	7,797.0	7,572.3	13.9	14.4	-107.45	97.6	-263.1	417.3	390.7	26.62	15.674		
7,800.0	7,460.0	7,928.6	7,587.0	14.5	15.1	-107.62	228.1	-265.0	419.7	391.8	27.88	15.051		
7,900.0	7,460.0	8,028.6	7,587.0	15.3	15.9	-107.57	328.1	-266.0	420.6	391.2	29.41	14.304		
8,000.0	7,460.0	8,128.6	7,587.0	16.2	16.8	-107.53	428.1	-267.0	421.6	390.4	31.21	13.511		
8,100.0	7,460.0	8,228.6	7,587.0	17.3	17.8	-107.49	528.1	-268.1	422.6	389.4	33.25	12.712		
8,200.0	7,460.0	8,328.6	7,587.0	18.5	19.0	-107.45	628.1	-269.1	423.6	388.2	35.49	11.937		
8,300.0	7,460.0	8,428.6	7,587.0	19.7	20.2	-107.40	728.1	-270.2	424.6	386.7	37.90	11.205		
8,400.0	7,460.0	8,528.6	7,587.0	21.0	21.5	-107.36	828.0	-271.2	425.6	385.2	40.44	10.525		
8,500.0	7,460.0	8,628.6	7,587.0	22.4	22.8	-107.32	928.0	-272.3	426.6	383.5	43.10	9.899		
8,600.0	7,460.0	8,728.6	7,587.0	23.9	24.3	-107.28	1,028.0	-273.3	427.6	381.8	45.85	9.328		
8,700.0	7,460.0	8,828.6	7,587.0	25.3	25.7	-107.24	1,128.0	-274.4	428.6	380.0	48.67	8.806		
8,800.0	7,460.0	8,928.6	7,587.0	26.8	27.2	-107.19	1,228.0	-275.4	429.6	378.1	51.57	8.332		
8,900.0	7,460.0	9,028.6	7,587.0	28.4	28.7	-107.15	1,328.0	-276.5	430.6	376.1	54.51	7.900		
9,000.0	7,460.0	9,128.6	7,587.0	29.9	30.3	-107.11	1,428.0	-277.5	431.6	374.1	57.51	7.506		
9,100.0	7,460.0	9,228.6	7,587.0	31.5	31.8	-107.07	1,528.0	-278.6	432.6	372.1	60.54	7.146		
9,200.0	7,460.0	9,328.6	7,587.0	33.1	33.4	-107.04	1,628.0	-279.6	433.5	369.8	63.63	6.812		
9,300.0	7,460.0	9,428.6	7,587.0	34.7	35.0	-107.04	1,728.0	-280.7	433.3	366.6	66.72	6.495		
9,400.0	7,460.0	9,528.6	7,587.0	36.4	36.6	-107.05	1,827.9	-281.7	433.2	363.3	69.83	6.203		
9,500.0	7,460.0	9,628.6	7,587.0	38.0	38.2	-107.05	1,927.9	-282.8	433.0	360.1	72.96	5.935		
9,600.0	7,460.0	9,728.6	7,587.0	39.6	39.9	-107.06	2,027.9	-283.8	432.9	356.8	76.11	5.688		
9,700.0	7,460.0	9,828.6	7,587.0	41.3	41.5	-107.07	2,127.9	-284.8	432.7	353.4	79.27	5.459		
9,800.0	7,460.0	9,928.6	7,587.0	43.0	43.2	-107.07	2,227.9	-285.9	432.6	350.1	82.46	5.246		
9,900.0	7,460.0	10,028.6	7,587.0	44.6	44.9	-107.08	2,327.9	-286.9	432.4	346.8	85.65	5.049		
10,000.0	7,460.0	10,128.6	7,587.0	46.3	46.5	-107.09	2,427.9	-288.0	432.3	343.4	88.86	4.865		
10,100.0	7,460.0	10,228.6	7,587.0	48.0	48.2	-107.09	2,527.9	-289.0	432.1	340.1	92.07	4.693		
10,200.0	7,460.0	10,328.6	7,587.0	49.7	49.9	-107.10	2,627.9	-290.1	432.0	336.7	95.30	4.533		
10,300.0	7,460.0	10,428.6	7,587.0	51.4	51.6	-107.10	2,727.9	-291.1	431.8	333.3	98.53	4.383		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3B-22H-M268 - Hz - Plan #3												Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
10,400.0	7,460.0	10,528.6	7,587.0	53.1	53.3	-107.11	2,827.9	-292.2	431.7	329.9	101.77	4.242	
10,500.0	7,460.0	10,628.6	7,587.0	54.8	55.0	-107.12	2,927.9	-293.2	431.5	326.5	105.02	4.109	
10,600.0	7,460.0	10,728.6	7,587.0	56.5	56.7	-107.12	3,027.9	-294.3	431.4	323.1	108.27	3.984	
10,700.0	7,460.0	10,828.6	7,587.0	58.2	58.4	-107.13	3,127.9	-295.3	431.2	319.7	111.53	3.866	
10,800.0	7,460.0	10,928.6	7,587.0	59.9	60.1	-107.13	3,227.9	-296.4	431.1	316.3	114.79	3.755	
10,900.0	7,460.0	11,028.6	7,587.0	61.6	61.8	-107.14	3,327.9	-297.4	430.9	312.9	118.06	3.650	
11,000.0	7,460.0	11,128.6	7,587.0	63.3	63.5	-107.15	3,427.9	-298.5	430.8	309.4	121.34	3.550	
11,100.0	7,460.0	11,228.6	7,587.0	65.0	65.2	-107.15	3,527.9	-299.5	430.6	306.0	124.61	3.456	
11,200.0	7,460.0	11,328.6	7,587.0	66.7	66.9	-107.16	3,627.8	-300.6	430.5	302.6	127.89	3.366	
11,300.0	7,460.0	11,428.6	7,587.0	68.5	68.6	-107.17	3,727.8	-301.6	430.3	299.1	131.18	3.280	
11,400.0	7,460.0	11,528.6	7,587.0	70.2	70.3	-107.17	3,827.8	-302.6	430.2	295.7	134.47	3.199	
11,500.0	7,460.0	11,628.6	7,587.0	71.9	72.1	-107.18	3,927.8	-303.7	430.0	292.3	137.76	3.122	
11,600.0	7,460.0	11,728.6	7,587.0	73.6	73.8	-107.18	4,027.8	-304.7	429.9	288.8	141.05	3.048	
11,700.0	7,460.0	11,828.6	7,587.0	75.4	75.5	-107.19	4,127.8	-305.8	429.7	285.4	144.34	2.977	
11,800.0	7,460.0	11,928.6	7,587.0	77.1	77.2	-107.20	4,227.8	-306.8	429.6	281.9	147.64	2.910	
11,900.0	7,460.0	12,028.6	7,587.0	78.8	79.0	-107.20	4,327.8	-307.9	429.4	278.5	150.94	2.845	
12,000.0	7,460.0	12,128.6	7,587.0	80.5	80.7	-107.21	4,427.8	-308.9	429.3	275.0	154.24	2.783	
12,100.0	7,460.0	12,228.6	7,587.0	82.3	82.4	-107.21	4,527.8	-310.0	429.1	271.6	157.54	2.724	
12,200.0	7,460.0	12,328.6	7,587.0	84.0	84.1	-107.22	4,627.8	-311.0	429.0	268.1	160.85	2.667	
12,300.0	7,460.0	12,428.6	7,587.0	85.7	85.9	-107.23	4,727.8	-312.1	428.8	264.7	164.15	2.612	
12,400.0	7,460.0	12,528.6	7,587.0	87.5	87.6	-107.23	4,827.8	-313.1	428.7	261.2	167.46	2.560	
12,500.0	7,460.0	12,628.6	7,587.0	89.2	89.3	-107.24	4,927.8	-314.2	428.5	257.8	170.77	2.509	
12,600.0	7,460.0	12,728.6	7,587.0	90.9	91.1	-107.25	5,027.8	-315.2	428.4	254.3	174.08	2.461	
12,700.0	7,460.0	12,828.6	7,587.0	92.7	92.8	-107.25	5,127.8	-316.3	428.2	250.8	177.39	2.414	
12,800.0	7,460.0	12,928.6	7,587.0	94.4	94.5	-107.26	5,227.8	-317.3	428.1	247.4	180.70	2.369	
12,900.0	7,460.0	13,028.6	7,587.0	96.1	96.3	-107.26	5,327.8	-318.4	427.9	243.9	184.02	2.325	
13,000.0	7,460.0	13,128.6	7,587.0	97.9	98.0	-107.27	5,427.7	-319.4	427.8	240.4	187.33	2.284	
13,100.0	7,460.0	13,228.6	7,587.0	99.6	99.7	-107.28	5,527.7	-320.4	427.6	237.0	190.65	2.243	
13,200.0	7,460.0	13,328.6	7,587.0	101.4	101.5	-107.28	5,627.7	-321.5	427.5	233.5	193.96	2.204	
13,300.0	7,460.0	13,428.6	7,587.0	103.1	103.2	-107.29	5,727.7	-322.5	427.3	230.1	197.28	2.166	
13,400.0	7,460.0	13,528.6	7,587.0	104.8	105.0	-107.30	5,827.7	-323.6	427.2	226.6	200.60	2.130	
13,500.0	7,460.0	13,628.6	7,587.0	106.6	106.7	-107.30	5,927.7	-324.6	427.0	223.1	203.92	2.094	
13,600.0	7,460.0	13,728.6	7,587.0	108.3	108.4	-107.31	6,027.7	-325.7	426.9	219.6	207.23	2.060	
13,700.0	7,460.0	13,828.6	7,587.0	110.1	110.2	-107.31	6,127.7	-326.7	426.7	216.2	210.55	2.027	
13,800.0	7,460.0	13,928.6	7,587.0	111.8	111.9	-107.32	6,227.7	-327.8	426.6	212.7	213.87	1.995	
13,900.0	7,460.0	14,028.6	7,587.0	113.5	113.6	-107.33	6,327.7	-328.8	426.4	209.2	217.19	1.963	
14,000.0	7,460.0	14,128.6	7,587.0	115.3	115.4	-107.33	6,427.7	-329.9	426.3	205.8	220.51	1.933	
14,100.0	7,460.0	14,228.6	7,587.0	117.0	117.1	-107.34	6,527.7	-330.9	426.1	202.3	223.84	1.904	
14,200.0	7,460.0	14,328.6	7,587.0	118.8	118.9	-107.35	6,627.7	-332.0	426.0	198.8	227.16	1.875	
14,300.0	7,460.0	14,428.6	7,587.0	120.5	120.6	-107.35	6,727.7	-333.0	425.8	195.4	230.48	1.848	
14,400.0	7,460.0	14,528.6	7,587.0	122.3	122.4	-107.36	6,827.7	-334.1	425.7	191.9	233.80	1.821	
14,500.0	7,460.0	14,628.6	7,587.0	124.0	124.1	-107.36	6,927.7	-335.1	425.5	188.4	237.13	1.795	
14,600.0	7,460.0	14,728.6	7,587.0	125.7	125.8	-107.37	7,027.7	-336.2	425.4	184.9	240.45	1.769	
14,700.0	7,460.0	14,828.6	7,587.0	127.5	127.6	-107.38	7,127.7	-337.2	425.2	181.5	243.77	1.744	
14,800.0	7,460.0	14,928.6	7,587.0	129.2	129.3	-107.38	7,227.6	-338.2	425.1	178.0	247.10	1.720	
14,900.0	7,460.0	15,028.6	7,587.0	131.0	131.1	-107.39	7,327.6	-339.3	424.9	174.5	250.42	1.697	
15,000.0	7,460.0	15,128.6	7,587.0	132.7	132.8	-107.40	7,427.6	-340.3	424.8	171.0	253.74	1.674	
15,100.0	7,460.0	15,228.6	7,587.0	134.5	134.6	-107.40	7,527.6	-341.4	424.6	167.6	257.07	1.652	
15,173.6	7,460.0	15,302.1	7,587.0	135.8	135.8	-107.41	7,601.2	-342.2	424.5	165.0	259.52	1.636 SF	

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3C-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.05	0.0	-10.1	10.1					
100.0	100.0	100.0	100.0	0.1	0.2	-90.05	0.0	-10.1	10.1	9.8	0.30	33.734		
200.0	200.0	200.0	200.0	0.3	0.3	-90.05	0.0	-10.1	10.1	9.4	0.65	15.549		
300.0	300.0	300.0	300.0	0.5	0.5	-90.05	0.0	-10.1	10.1	9.1	1.00	10.103		
400.0	400.0	400.0	400.0	0.7	0.7	-90.05	0.0	-10.1	10.1	8.7	1.35	7.482		
500.0	500.0	500.0	500.0	0.8	0.8	-90.05	0.0	-10.1	10.1	8.4	1.69	5.941 CC		
600.0	600.0	600.0	600.0	1.0	1.0	114.26	0.0	-10.1	10.4	8.4	2.04	5.085		
700.0	700.0	700.0	700.0	1.2	1.2	121.73	-0.9	-10.3	11.7	9.3	2.40	4.886		
800.0	799.9	799.9	799.9	1.4	1.4	126.16	-3.4	-10.9	14.1	11.3	2.75	5.124		
900.0	899.7	899.9	899.8	1.6	1.6	127.12	-7.6	-11.9	17.3	14.1	3.12	5.537		
1,000.0	999.5	999.9	999.5	1.8	1.7	124.02	-13.3	-13.2	20.4	16.9	3.49	5.847		
1,100.0	1,099.4	1,099.8	1,099.3	2.0	1.9	121.42	-19.1	-14.6	23.6	19.7	3.87	6.099		
1,200.0	1,199.2	1,199.7	1,199.1	2.1	2.1	119.44	-24.8	-15.9	26.9	22.6	4.26	6.309		
1,300.0	1,299.0	1,299.7	1,298.8	2.3	2.3	117.89	-30.6	-17.3	30.1	25.5	4.65	6.486		
1,400.0	1,398.8	1,399.6	1,398.6	2.5	2.5	116.64	-36.4	-18.6	33.4	28.4	5.04	6.636		
1,500.0	1,498.7	1,499.6	1,498.4	2.7	2.7	115.62	-42.1	-20.0	36.7	31.3	5.43	6.764		
1,600.0	1,598.5	1,599.5	1,598.2	2.9	2.9	114.76	-47.9	-21.4	40.0	34.2	5.82	6.876		
1,700.0	1,698.3	1,699.5	1,697.9	3.1	3.1	114.04	-53.7	-22.7	43.3	37.1	6.21	6.973		
1,800.0	1,798.1	1,799.4	1,797.7	3.3	3.3	113.42	-59.4	-24.1	46.7	40.0	6.61	7.059		
1,900.0	1,898.0	1,899.3	1,897.5	3.5	3.5	112.88	-65.2	-25.5	50.0	43.0	7.00	7.135		
2,000.0	1,997.8	1,999.3	1,997.2	3.7	3.7	112.41	-71.0	-26.8	53.3	45.9	7.40	7.203		
2,100.0	2,097.6	2,099.2	2,097.0	3.9	3.9	111.99	-76.8	-28.2	56.6	48.8	7.80	7.264		
2,200.0	2,197.5	2,199.2	2,196.8	4.1	4.1	111.62	-82.5	-29.5	60.0	51.8	8.20	7.319		
2,300.0	2,297.3	2,299.1	2,296.5	4.3	4.3	111.29	-88.3	-30.9	63.3	54.7	8.59	7.369		
2,400.0	2,397.1	2,399.1	2,396.3	4.5	4.5	111.00	-94.1	-32.3	66.7	57.7	8.99	7.414		
2,500.0	2,496.9	2,499.0	2,496.1	4.7	4.7	110.73	-99.8	-33.6	70.0	60.6	9.39	7.456		
2,600.0	2,596.8	2,599.0	2,595.8	4.9	4.9	110.48	-105.6	-35.0	73.3	63.6	9.79	7.494		
2,700.0	2,696.6	2,698.9	2,695.6	5.1	5.1	110.26	-111.4	-36.4	76.7	66.5	10.19	7.529		
2,800.0	2,796.4	2,798.8	2,795.4	5.3	5.3	110.06	-117.2	-37.7	80.0	69.4	10.58	7.561		
2,900.0	2,896.3	2,898.8	2,895.1	5.5	5.5	109.87	-122.9	-39.1	83.4	72.4	10.98	7.591		
3,000.0	2,996.1	2,998.7	2,994.9	5.7	5.7	109.69	-128.7	-40.4	86.7	75.3	11.38	7.619		
3,100.0	3,095.9	3,098.7	3,094.7	6.0	5.9	109.53	-134.5	-41.8	90.1	78.3	11.78	7.645		
3,200.0	3,195.7	3,198.6	3,194.4	6.2	6.1	109.38	-140.2	-43.2	93.4	81.2	12.18	7.669		
3,300.0	3,295.6	3,298.6	3,294.2	6.4	6.3	109.24	-146.0	-44.5	96.8	84.2	12.58	7.692		
3,400.0	3,395.4	3,398.5	3,394.0	6.6	6.5	109.11	-151.8	-45.9	100.1	87.1	12.98	7.713		
3,500.0	3,495.2	3,498.4	3,493.7	6.8	6.7	108.99	-157.6	-47.2	103.5	90.1	13.38	7.733		
3,600.0	3,595.1	3,598.4	3,593.5	7.0	6.9	108.88	-163.3	-48.6	106.8	93.0	13.78	7.752		
3,700.0	3,694.9	3,698.3	3,693.3	7.2	7.1	108.77	-169.1	-50.0	110.2	96.0	14.18	7.770		
3,800.0	3,794.7	3,798.3	3,793.0	7.4	7.3	108.67	-174.9	-51.3	113.5	98.9	14.58	7.787		
3,900.0	3,894.5	3,898.2	3,892.8	7.6	7.5	108.58	-180.6	-52.7	116.9	101.9	14.98	7.803		
4,000.0	3,994.4	3,998.2	3,992.6	7.8	7.7	108.49	-186.4	-54.1	120.2	104.8	15.38	7.818		
4,100.0	4,094.2	4,098.1	4,092.3	8.0	7.9	108.40	-192.2	-55.4	123.6	107.8	15.78	7.832		
4,200.0	4,194.0	4,198.0	4,192.1	8.2	8.1	108.32	-198.0	-56.8	126.9	110.7	16.18	7.845		
4,300.0	4,293.8	4,298.0	4,291.9	8.4	8.3	108.25	-203.7	-58.1	130.3	113.7	16.58	7.858		
4,400.0	4,393.7	4,397.9	4,391.6	8.6	8.5	108.18	-209.5	-59.5	133.6	116.6	16.98	7.871		
4,500.0	4,493.5	4,497.9	4,491.4	8.8	8.7	108.11	-215.3	-60.9	137.0	119.6	17.38	7.882		
4,600.0	4,593.3	4,597.8	4,591.2	9.0	9.0	108.04	-221.0	-62.2	140.3	122.5	17.78	7.893		
4,700.0	4,693.2	4,697.8	4,690.9	9.2	9.2	107.98	-226.8	-63.6	143.7	125.5	18.18	7.904		
4,800.0	4,793.0	4,797.7	4,790.7	9.4	9.4	107.92	-232.6	-65.0	147.0	128.5	18.58	7.914		
4,900.0	4,892.8	4,897.7	4,890.5	9.6	9.6	107.86	-238.4	-66.3	150.4	131.4	18.98	7.924		
5,000.0	4,992.6	4,997.6	4,990.3	9.8	9.8	107.81	-244.1	-67.7	153.7	134.4	19.38	7.934		
5,100.0	5,092.5	5,097.5	5,090.0	10.0	10.0	107.76	-249.9	-69.0	157.1	137.3	19.78	7.942		

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3C-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance			Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)				Between Ellipses (ft)	
5,200.0	5,192.3	5,197.5	5,189.8	10.2	10.2	107.71	-255.7	-70.4	160.4	140.3	20.18	7.951		
5,300.0	5,292.1	5,297.4	5,289.6	10.4	10.4	107.66	-261.4	-71.8	163.8	143.2	20.58	7.959		
5,400.0	5,392.0	5,397.4	5,389.3	10.6	10.6	107.61	-267.2	-73.1	167.1	146.2	20.98	7.967		
5,500.0	5,491.8	5,497.3	5,489.1	10.8	10.8	107.57	-273.0	-74.5	170.5	149.1	21.38	7.975		
5,600.0	5,591.6	5,597.3	5,588.9	11.0	11.0	107.53	-278.7	-75.8	173.9	152.1	21.78	7.982		
5,700.0	5,691.4	5,697.2	5,688.6	11.2	11.2	107.49	-284.5	-77.2	177.2	155.0	22.18	7.990		
5,800.0	5,791.3	5,797.1	5,788.4	11.4	11.4	107.45	-290.3	-78.6	180.6	158.0	22.58	7.996		
5,900.0	5,891.1	5,897.1	5,888.2	11.6	11.6	107.41	-296.1	-79.9	183.9	160.9	22.98	8.003		
6,000.0	5,990.9	5,997.0	5,987.9	11.8	11.8	107.37	-301.8	-81.3	187.3	163.9	23.38	8.009		
6,100.0	6,090.7	6,097.0	6,087.7	12.0	12.0	107.34	-307.6	-82.7	190.6	166.8	23.78	8.016		
6,200.0	6,190.6	6,196.9	6,187.5	12.2	12.2	107.30	-313.4	-84.0	194.0	169.8	24.18	8.022		
6,300.0	6,290.4	6,296.9	6,287.2	12.4	12.4	107.27	-319.1	-85.4	197.3	172.8	24.58	8.027		
6,400.0	6,390.2	6,396.8	6,387.0	12.6	12.6	107.24	-324.9	-86.7	200.7	175.7	24.98	8.033		
6,500.0	6,490.1	6,496.8	6,486.8	12.8	12.8	107.21	-330.7	-88.1	204.0	178.7	25.38	8.038		
6,600.0	6,589.9	6,596.7	6,586.5	13.0	13.0	107.18	-336.5	-89.5	207.4	181.6	25.78	8.044		
6,700.0	6,689.7	6,696.6	6,686.3	13.2	13.2	107.15	-342.2	-90.8	210.8	184.6	26.18	8.049		
6,800.0	6,789.5	6,796.9	6,786.4	13.4	13.4	107.19	-347.8	-92.2	214.1	187.5	26.58	8.054		
6,900.0	6,889.4	6,897.4	6,886.6	13.6	13.6	-168.49	-341.7	-93.5	217.2	190.3	26.83	8.094		
7,000.0	6,988.8	6,995.2	6,981.6	13.7	13.4	-92.09	-319.1	-94.6	220.8	194.0	26.81	8.238		
7,100.0	7,085.2	7,090.8	7,069.4	13.6	13.3	-85.31	-281.7	-95.5	225.1	198.5	26.58	8.468		
7,200.0	7,175.5	7,184.4	7,148.3	13.5	13.2	-80.97	-231.5	-96.2	229.6	203.4	26.23	8.754		
7,300.0	7,257.1	7,276.3	7,216.8	13.4	13.0	-77.59	-170.3	-96.7	234.1	208.3	25.86	9.055		
7,400.0	7,327.4	7,366.9	7,273.8	13.3	13.0	-74.89	-100.1	-96.9	238.3	212.7	25.57	9.320		
7,500.0	7,384.4	7,456.3	7,318.6	13.3	13.1	-72.79	-22.8	-97.0	241.7	216.3	25.48	9.489		
7,600.0	7,426.2	7,544.9	7,350.6	13.5	13.3	-71.25	59.7	-96.8	244.3	218.6	25.70	9.508		
7,700.0	7,451.7	7,632.8	7,369.5	13.9	13.7	-70.25	145.5	-96.5	245.8	219.5	26.31	9.344		
7,800.0	7,460.0	7,721.5	7,375.0	14.5	14.3	-69.79	233.9	-95.9	246.1	218.7	27.33	9.003		
7,900.0	7,460.0	7,821.5	7,375.0	15.3	15.1	-69.74	333.9	-95.2	245.4	216.6	28.84	8.510		
8,000.0	7,460.0	7,921.5	7,375.0	16.2	16.0	-69.68	433.9	-94.5	244.8	214.1	30.62	7.994		
8,100.0	7,460.0	8,021.5	7,375.0	17.3	17.1	-69.62	533.9	-93.8	244.1	211.5	32.63	7.480		
8,200.0	7,460.0	8,121.5	7,375.0	18.5	18.3	-69.57	633.9	-93.1	243.5	208.6	34.84	6.988		
8,300.0	7,460.0	8,221.5	7,375.0	19.7	19.5	-69.51	733.9	-92.4	242.8	205.6	37.20	6.526		
8,400.0	7,460.0	8,321.5	7,375.0	21.0	20.9	-69.45	833.9	-91.7	242.2	202.5	39.70	6.100		
8,500.0	7,460.0	8,421.5	7,375.0	22.4	22.3	-69.39	933.9	-91.0	241.5	199.2	42.29	5.710		
8,600.0	7,460.0	8,521.5	7,375.0	23.9	23.7	-69.33	1,033.9	-90.3	240.8	195.9	44.98	5.355		
8,700.0	7,460.0	8,621.5	7,375.0	25.3	25.2	-69.27	1,133.9	-89.6	240.2	192.5	47.74	5.032		
8,800.0	7,460.0	8,721.5	7,375.0	26.8	26.7	-69.22	1,233.9	-88.9	239.5	189.0	50.55	4.739		
8,900.0	7,460.0	8,821.5	7,375.0	28.4	28.3	-69.16	1,333.9	-88.2	238.9	185.5	53.42	4.472		
9,000.0	7,460.0	8,921.5	7,375.0	29.9	29.8	-69.10	1,433.9	-87.5	238.2	181.9	56.32	4.230		
9,100.0	7,460.0	9,021.5	7,375.0	31.5	31.4	-69.04	1,533.8	-86.9	237.6	178.3	59.26	4.009		
9,200.0	7,460.0	9,121.4	7,375.0	33.1	33.0	-68.96	1,633.8	-86.2	236.8	174.6	62.21	3.806		
9,300.0	7,460.0	9,222.0	7,375.0	34.7	34.7	-68.79	1,734.4	-85.4	235.0	169.8	65.17	3.606		
9,400.0	7,460.0	9,327.4	7,375.0	36.4	36.4	-68.46	1,839.8	-83.0	231.7	163.5	68.15	3.400		
9,500.0	7,460.0	9,427.3	7,375.0	38.0	38.0	-68.02	1,939.6	-79.5	227.3	156.3	71.02	3.201		
9,600.0	7,460.0	9,527.2	7,375.0	39.6	39.7	-67.57	2,039.5	-76.0	223.0	149.1	73.87	3.019		
9,700.0	7,460.0	9,627.1	7,375.0	41.3	41.3	-67.10	2,139.3	-72.5	218.7	142.0	76.70	2.851		
9,800.0	7,460.0	9,727.0	7,375.0	43.0	43.0	-66.61	2,239.1	-69.1	214.3	134.8	79.51	2.696		
9,900.0	7,460.0	9,826.9	7,375.0	44.6	44.7	-66.11	2,339.0	-65.6	210.0	127.8	82.29	2.552		
10,000.0	7,460.0	9,926.8	7,375.0	46.3	46.3	-65.58	2,438.8	-62.1	205.8	120.7	85.04	2.419		
10,100.0	7,460.0	10,026.7	7,375.0	48.0	48.0	-65.02	2,538.6	-58.6	201.5	113.7	87.76	2.296		
10,200.0	7,460.0	10,126.2	7,375.0	49.7	49.7	-64.45	2,638.1	-55.1	197.3	106.8	90.43	2.181		
10,300.0	7,460.0	10,221.8	7,375.0	51.4	51.3	-64.06	2,733.6	-53.2	194.3	101.2	93.14	2.086		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3C-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
10,400.0	7,460.0	10,320.4	7,375.0	53.1	53.0	-63.89	2,832.2	-53.0	193.1	97.1	96.04	2.011		
10,500.0	7,460.0	10,420.4	7,375.0	54.8	54.7	-63.73	2,932.2	-53.0	192.0	93.1	98.98	1.940		
10,571.1	7,460.0	10,489.3	7,375.0	56.0	55.9	-63.65	3,001.1	-53.3	191.5	90.4	101.06	1.895		
10,600.0	7,460.0	10,517.2	7,375.0	56.5	56.3	-63.67	3,029.1	-53.7	191.6	89.7	101.94	1.880		
10,700.0	7,460.0	10,617.2	7,375.0	58.2	58.1	-63.75	3,129.0	-55.6	192.2	87.1	105.07	1.829		
10,800.0	7,460.0	10,717.2	7,375.0	59.9	59.8	-63.83	3,229.0	-57.4	192.7	84.5	108.21	1.781		
10,900.0	7,460.0	10,817.2	7,375.0	61.6	61.5	-63.91	3,329.0	-59.2	193.3	81.9	111.35	1.736		
11,000.0	7,460.0	10,917.2	7,375.0	63.3	63.2	-63.99	3,429.0	-61.0	193.8	79.3	114.51	1.693		
11,100.0	7,460.0	11,017.2	7,375.0	65.0	64.9	-64.07	3,529.0	-62.9	194.4	76.7	117.67	1.652		
11,200.0	7,460.0	11,117.2	7,375.0	66.7	66.6	-64.15	3,629.0	-64.7	195.0	74.1	120.84	1.613		
11,300.0	7,460.0	11,217.2	7,375.0	68.5	68.4	-64.23	3,728.9	-66.5	195.5	71.5	124.02	1.577		
11,400.0	7,460.0	11,317.2	7,375.0	70.2	70.1	-64.31	3,828.9	-68.3	196.1	68.9	127.20	1.542		
11,500.0	7,460.0	11,417.2	7,375.0	71.9	71.8	-64.39	3,928.9	-70.2	196.6	66.3	130.39	1.508		
11,600.0	7,460.0	11,517.2	7,375.0	73.6	73.5	-64.47	4,028.9	-72.0	197.2	63.6	133.59	1.476	Level 3	
11,700.0	7,460.0	11,617.2	7,375.0	75.4	75.3	-64.54	4,128.9	-73.8	197.8	61.0	136.79	1.446	Level 3	
11,800.0	7,460.0	11,717.2	7,375.0	77.1	77.0	-64.62	4,228.8	-75.6	198.3	58.3	139.99	1.417	Level 3	
11,900.0	7,460.0	11,817.2	7,375.0	78.8	78.7	-64.70	4,328.8	-77.5	198.9	55.7	143.21	1.389	Level 3	
12,000.0	7,460.0	11,917.2	7,375.0	80.5	80.4	-64.77	4,428.8	-79.3	199.4	53.0	146.42	1.362	Level 3	
12,100.0	7,460.0	12,017.2	7,375.0	82.3	82.2	-64.85	4,528.8	-81.1	200.0	50.4	149.65	1.337	Level 3	
12,200.0	7,460.0	12,117.2	7,375.0	84.0	83.9	-64.93	4,628.8	-82.9	200.6	47.7	152.87	1.312	Level 3	
12,300.0	7,460.0	12,217.2	7,375.0	85.7	85.6	-65.00	4,728.7	-84.8	201.1	45.0	156.10	1.288	Level 3	
12,400.0	7,460.0	12,317.2	7,375.0	87.5	87.4	-65.08	4,828.7	-86.6	201.7	42.4	159.34	1.266	Level 3	
12,500.0	7,460.0	12,417.2	7,375.0	89.2	89.1	-65.15	4,928.7	-88.4	202.3	39.7	162.58	1.244	Level 2	
12,600.0	7,460.0	12,517.2	7,375.0	90.9	90.8	-65.22	5,028.7	-90.2	202.8	37.0	165.83	1.223	Level 2	
12,700.0	7,460.0	12,617.2	7,375.0	92.7	92.6	-65.30	5,128.7	-92.1	203.4	34.3	169.08	1.203	Level 2	
12,800.0	7,460.0	12,717.2	7,375.0	94.4	94.3	-65.37	5,228.7	-93.9	204.0	31.6	172.33	1.183	Level 2	
12,900.0	7,460.0	12,817.2	7,375.0	96.1	96.1	-65.44	5,328.6	-95.7	204.5	28.9	175.59	1.165	Level 2	
13,000.0	7,460.0	12,917.2	7,375.0	97.9	97.8	-65.51	5,428.6	-97.5	205.1	26.2	178.85	1.147	Level 2	
13,100.0	7,460.0	13,017.2	7,375.0	99.6	99.5	-65.59	5,528.6	-99.4	205.6	23.5	182.12	1.129	Level 2	
13,200.0	7,460.0	13,117.2	7,375.0	101.4	101.3	-65.66	5,628.6	-101.2	206.2	20.8	185.39	1.112	Level 2	
13,300.0	7,460.0	13,217.2	7,375.0	103.1	103.0	-65.73	5,728.6	-103.0	206.8	18.1	188.66	1.096	Level 2	
13,400.0	7,460.0	13,317.2	7,375.0	104.8	104.8	-65.80	5,828.5	-104.8	207.3	15.4	191.94	1.080	Level 2	
13,500.0	7,460.0	13,417.2	7,375.0	106.6	106.5	-65.87	5,928.5	-106.7	207.9	12.7	195.22	1.065	Level 2	
13,600.0	7,460.0	13,517.2	7,375.0	108.3	108.2	-65.94	6,028.5	-108.5	208.5	10.0	198.50	1.050	Level 2	
13,700.0	7,460.0	13,617.2	7,375.0	110.1	110.0	-66.01	6,128.5	-110.3	209.0	7.3	201.79	1.036	Level 2	
13,800.0	7,460.0	13,717.2	7,375.0	111.8	111.7	-66.08	6,228.5	-112.1	209.6	4.5	205.08	1.022	Level 2	
13,900.0	7,460.0	13,817.2	7,375.0	113.5	113.5	-66.15	6,328.4	-114.0	210.2	1.8	208.37	1.009	Level 2	
14,000.0	7,460.0	13,917.2	7,375.0	115.3	115.2	-66.21	6,428.4	-115.8	210.8	-0.9	211.67	0.996	Level 1	
14,100.0	7,460.0	14,017.1	7,375.0	117.0	117.0	-66.28	6,528.4	-117.6	211.3	-3.6	214.97	0.983	Level 1	
14,200.0	7,460.0	14,117.1	7,375.0	118.8	118.7	-66.35	6,628.4	-119.4	211.9	-6.4	218.27	0.971	Level 1	
14,300.0	7,460.0	14,217.1	7,375.0	120.5	120.4	-66.42	6,728.4	-121.3	212.5	-9.1	221.58	0.959	Level 1	
14,400.0	7,460.0	14,317.1	7,375.0	122.3	122.2	-66.48	6,828.4	-123.1	213.0	-11.9	224.89	0.947	Level 1	
14,500.0	7,460.0	14,417.1	7,375.0	124.0	123.9	-66.55	6,928.3	-124.9	213.6	-14.6	228.20	0.936	Level 1	
14,600.0	7,460.0	14,517.1	7,375.0	125.7	125.7	-66.62	7,028.3	-126.7	214.2	-17.3	231.52	0.925	Level 1	
14,700.0	7,460.0	14,617.1	7,375.0	127.5	127.4	-66.68	7,128.3	-128.6	214.7	-20.1	234.83	0.914	Level 1	
14,800.0	7,460.0	14,717.1	7,375.0	129.2	129.2	-66.75	7,228.3	-130.4	215.3	-22.8	238.15	0.904	Level 1	
14,900.0	7,460.0	14,817.1	7,375.0	131.0	130.9	-66.81	7,328.3	-132.2	215.9	-25.6	241.48	0.894	Level 1	
15,000.0	7,460.0	14,917.1	7,375.0	132.7	132.7	-66.88	7,428.2	-134.0	216.5	-28.4	244.80	0.884	Level 1	
15,100.0	7,460.0	15,017.1	7,375.0	134.5	134.4	-66.94	7,528.2	-135.9	217.0	-31.1	248.13	0.875	Level 1	
15,173.6	7,460.0	15,090.7	7,375.0	135.8	135.7	-66.99	7,601.8	-137.2	217.4	-33.1	250.58	0.868	Level 1, ES, 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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3E-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	92.13	-0.4	9.8	10.2					
100.0	100.0	97.0	97.0	0.1	0.1	92.13	-0.4	9.8	9.8	9.5	0.29	33.329		
200.0	200.0	197.0	197.0	0.3	0.3	92.13	-0.4	9.8	9.8	9.2	0.64	15.251		
300.0	300.0	297.0	297.0	0.5	0.5	92.13	-0.4	9.8	9.8	8.8	0.99	9.881 CC, ES		
400.0	400.0	396.9	396.9	0.7	0.7	95.42	-1.0	10.3	10.4	9.0	1.34	7.742		
500.0	500.0	496.7	496.7	0.8	0.8	103.56	-2.9	12.0	12.4	10.7	1.69	7.321		
600.0	600.0	596.4	596.3	1.0	1.0	-50.19	-6.1	14.9	15.5	13.5	2.04	7.596		
700.0	700.0	696.1	695.8	1.2	1.2	-47.53	-10.6	18.8	19.2	16.8	2.39	7.997		
800.0	799.9	796.1	795.5	1.4	1.4	-48.11	-15.7	23.3	22.3	19.6	2.75	8.108		
900.0	899.7	896.0	895.2	1.6	1.6	-50.98	-20.9	27.8	24.6	21.5	3.12	7.884		
1,000.0	999.5	996.0	995.0	1.8	1.8	-53.57	-26.0	32.3	26.9	23.4	3.50	7.689		
1,100.0	1,099.4	1,096.0	1,094.7	2.0	2.0	-55.74	-31.1	36.8	29.2	25.3	3.87	7.535		
1,200.0	1,199.2	1,195.9	1,194.4	2.1	2.2	-57.60	-36.2	41.3	31.5	27.3	4.26	7.410		
1,300.0	1,299.0	1,295.9	1,294.2	2.3	2.5	-59.19	-41.3	45.8	33.9	29.3	4.64	7.307		
1,400.0	1,398.8	1,395.9	1,393.9	2.5	2.7	-60.58	-46.4	50.3	36.3	31.3	5.03	7.220		
1,500.0	1,498.7	1,495.8	1,493.7	2.7	2.9	-61.80	-51.5	54.8	38.7	33.3	5.42	7.147		
1,600.0	1,598.5	1,595.8	1,593.4	2.9	3.1	-62.87	-56.6	59.3	41.2	35.4	5.81	7.084		
1,700.0	1,698.3	1,695.8	1,693.1	3.1	3.3	-63.82	-61.7	63.8	43.6	37.4	6.20	7.029		
1,800.0	1,798.1	1,795.7	1,792.9	3.3	3.5	-64.67	-66.8	68.3	46.1	39.5	6.60	6.982		
1,900.0	1,898.0	1,895.7	1,892.6	3.5	3.7	-65.43	-71.9	72.8	48.5	41.5	6.99	6.940		
2,000.0	1,997.8	1,995.7	1,992.3	3.7	3.9	-66.12	-77.0	77.3	51.0	43.6	7.39	6.903		
2,100.0	2,097.6	2,095.6	2,092.1	3.9	4.1	-66.75	-82.2	81.8	53.5	45.7	7.79	6.870		
2,200.0	2,197.5	2,195.6	2,191.8	4.1	4.3	-67.32	-87.3	86.2	56.0	47.8	8.18	6.840		
2,300.0	2,297.3	2,295.6	2,291.5	4.3	4.6	-67.84	-92.4	90.7	58.5	49.9	8.58	6.813		
2,400.0	2,397.1	2,395.5	2,391.3	4.5	4.8	-68.32	-97.5	95.2	61.0	52.0	8.98	6.789		
2,500.0	2,496.9	2,495.5	2,491.0	4.7	5.0	-68.76	-102.6	99.7	63.5	54.1	9.38	6.767		
2,600.0	2,596.8	2,595.5	2,590.7	4.9	5.2	-69.17	-107.7	104.2	66.0	56.2	9.78	6.746		
2,700.0	2,696.6	2,695.4	2,690.5	5.1	5.4	-69.55	-112.8	108.7	68.5	58.3	10.18	6.728		
2,800.0	2,796.4	2,795.4	2,790.2	5.3	5.6	-69.90	-117.9	113.2	71.0	60.4	10.58	6.711		
2,900.0	2,896.3	2,895.4	2,890.0	5.5	5.8	-70.23	-123.0	117.7	73.5	62.5	10.98	6.695		
3,000.0	2,996.1	2,995.3	2,989.7	5.7	6.0	-70.53	-128.1	122.2	76.0	64.6	11.38	6.681		
3,100.0	3,095.9	3,095.3	3,089.4	6.0	6.2	-70.82	-133.2	126.7	78.5	66.7	11.78	6.667		
3,200.0	3,195.7	3,195.3	3,189.2	6.2	6.4	-71.09	-138.3	131.2	81.0	68.9	12.18	6.655		
3,300.0	3,295.6	3,295.2	3,288.9	6.4	6.7	-71.34	-143.5	135.7	83.6	71.0	12.58	6.643		
3,400.0	3,395.4	3,395.2	3,388.6	6.6	6.9	-71.58	-148.6	140.2	86.1	73.1	12.98	6.632		
3,500.0	3,495.2	3,495.2	3,488.4	6.8	7.1	-71.80	-153.7	144.7	88.6	75.2	13.38	6.622		
3,600.0	3,595.1	3,595.1	3,588.1	7.0	7.3	-72.01	-158.8	149.2	91.1	77.3	13.78	6.612		
3,700.0	3,694.9	3,695.1	3,687.8	7.2	7.5	-72.21	-163.9	153.7	93.7	79.5	14.18	6.603		
3,800.0	3,794.7	3,795.1	3,787.6	7.4	7.7	-72.40	-169.0	158.2	96.2	81.6	14.58	6.595		
3,900.0	3,894.5	3,895.0	3,887.3	7.6	7.9	-72.58	-174.1	162.7	98.7	83.7	14.99	6.587		
4,000.0	3,994.4	3,995.0	3,987.0	7.8	8.1	-72.75	-179.2	167.1	101.2	85.8	15.39	6.579		
4,100.0	4,094.2	4,095.0	4,086.8	8.0	8.3	-72.92	-184.3	171.6	103.8	88.0	15.79	6.572		
4,200.0	4,194.0	4,194.9	4,186.5	8.2	8.6	-73.07	-189.4	176.1	106.3	90.1	16.19	6.565		
4,300.0	4,293.8	4,294.9	4,286.3	8.4	8.8	-73.22	-194.5	180.6	108.8	92.2	16.59	6.559		
4,400.0	4,393.7	4,394.9	4,386.0	8.6	9.0	-73.36	-199.7	185.1	111.4	94.4	16.99	6.553		
4,500.0	4,493.5	4,494.9	4,485.7	8.8	9.2	-73.49	-204.8	189.6	113.9	96.5	17.40	6.547		
4,600.0	4,593.3	4,594.8	4,585.5	9.0	9.4	-73.62	-209.9	194.1	116.4	98.6	17.80	6.541		
4,700.0	4,693.2	4,694.8	4,685.2	9.2	9.6	-73.75	-215.0	198.6	118.9	100.8	18.20	6.536		
4,800.0	4,793.0	4,794.8	4,784.9	9.4	9.8	-73.86	-220.1	203.1	121.5	102.9	18.60	6.531		
4,900.0	4,892.8	4,894.7	4,884.7	9.6	10.0	-73.98	-225.2	207.6	124.0	105.0	19.00	6.526		
5,000.0	4,992.6	4,994.7	4,984.4	9.8	10.2	-74.09	-230.3	212.1	126.6	107.1	19.41	6.521		
5,100.0	5,092.5	5,094.7	5,084.1	10.0	10.5	-74.19	-235.4	216.6	129.1	109.3	19.81	6.517		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3E-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,192.3	5,194.6	5,183.9	10.2	10.7	-74.29	-240.5	221.1	131.6	111.4	20.21	6.513		
5,300.0	5,292.1	5,294.6	5,283.6	10.4	10.9	-74.39	-245.6	225.6	134.2	113.5	20.61	6.509		
5,400.0	5,392.0	5,394.6	5,383.3	10.6	11.1	-74.48	-250.7	230.1	136.7	115.7	21.01	6.505		
5,500.0	5,491.8	5,494.5	5,483.1	10.8	11.3	-74.57	-255.8	234.6	139.2	117.8	21.42	6.501		
5,600.0	5,591.6	5,594.5	5,582.8	11.0	11.5	-74.66	-261.0	239.1	141.8	119.9	21.82	6.498		
5,700.0	5,691.4	5,694.5	5,682.6	11.2	11.7	-74.74	-266.1	243.6	144.3	122.1	22.22	6.494		
5,800.0	5,791.3	5,794.4	5,782.3	11.4	11.9	-74.82	-271.2	248.1	146.8	124.2	22.62	6.491		
5,900.0	5,891.1	5,894.4	5,882.0	11.6	12.1	-74.90	-276.3	252.5	149.4	126.4	23.03	6.488		
6,000.0	5,990.9	5,994.4	5,981.8	11.8	12.3	-74.97	-281.4	257.0	151.9	128.5	23.43	6.484		
6,100.0	6,090.7	6,094.3	6,081.5	12.0	12.6	-75.05	-286.5	261.5	154.5	130.6	23.83	6.481		
6,200.0	6,190.6	6,194.3	6,181.2	12.2	12.8	-75.12	-291.6	266.0	157.0	132.8	24.23	6.479		
6,300.0	6,290.4	6,294.3	6,281.0	12.4	13.0	-75.19	-296.7	270.5	159.5	134.9	24.63	6.476		
6,400.0	6,390.2	6,394.2	6,380.7	12.6	13.2	-75.25	-301.8	275.0	162.1	137.0	25.04	6.473		
6,500.0	6,490.1	6,494.2	6,480.4	12.8	13.4	-75.32	-306.9	279.5	164.6	139.2	25.44	6.471		
6,600.0	6,589.9	6,594.2	6,580.2	13.0	13.6	-75.38	-312.0	284.0	167.1	141.3	25.84	6.468		
6,700.0	6,689.7	6,694.1	6,679.9	13.2	13.8	-75.44	-317.1	288.5	169.7	143.4	26.24	6.466		
6,800.0	6,789.5	6,794.1	6,779.6	13.4	14.0	-75.50	-322.3	293.0	172.2	145.6	26.65	6.463		
6,900.0	6,889.4	6,894.1	6,879.4	13.6	14.2	6.07	-327.4	297.5	174.7	147.6	27.02	6.464		
7,000.0	6,988.8	6,992.9	6,978.0	13.7	14.5	82.91	-332.4	301.9	176.5	149.4	27.04	6.527		
7,100.0	7,085.2	7,091.5	7,076.4	13.6	14.6	93.63	-331.6	306.4	180.5	153.8	26.68	6.766		
7,200.0	7,175.5	7,194.8	7,177.7	13.5	14.6	101.89	-312.8	310.9	187.9	161.7	26.14	7.186		
7,300.0	7,257.1	7,303.5	7,278.9	13.4	14.6	108.83	-273.8	315.5	197.7	172.2	25.51	7.749		
7,400.0	7,327.4	7,418.1	7,375.6	13.3	14.4	114.54	-212.9	319.9	208.8	183.9	24.89	8.389		
7,500.0	7,384.4	7,538.6	7,462.1	13.3	14.4	119.05	-129.3	323.8	219.8	195.4	24.39	9.011		
7,600.0	7,426.2	7,664.9	7,531.9	13.5	14.5	122.37	-24.5	326.9	229.3	205.1	24.18	9.483		
7,700.0	7,451.7	7,795.8	7,578.3	13.9	14.8	124.52	97.6	329.0	236.1	211.7	24.39	9.678		
7,800.0	7,460.0	7,929.7	7,595.9	14.5	15.6	125.50	230.0	329.8	239.3	214.1	25.17	9.507		
7,900.0	7,460.0	8,032.0	7,596.0	15.3	16.3	125.51	332.3	329.8	239.3	212.8	26.52	9.024		
8,000.0	7,460.0	8,132.0	7,596.0	16.2	17.2	125.51	432.3	329.8	239.3	211.2	28.07	8.524		
8,100.0	7,460.0	8,232.0	7,596.0	17.3	18.2	125.51	532.3	329.8	239.3	209.5	29.83	8.023		
8,200.0	7,460.0	8,332.0	7,596.0	18.5	19.3	125.51	632.3	329.8	239.3	207.6	31.74	7.540		
8,300.0	7,460.0	8,432.0	7,596.0	19.7	20.5	125.51	732.3	329.8	239.3	205.5	33.79	7.082		
8,400.0	7,460.0	8,532.0	7,596.0	21.0	21.8	125.51	832.3	329.8	239.3	203.4	35.95	6.657		
8,500.0	7,460.0	8,632.0	7,596.0	22.4	23.2	125.51	932.3	329.8	239.3	201.1	38.20	6.264		
8,600.0	7,460.0	8,732.0	7,596.0	23.9	24.6	125.51	1,032.3	329.8	239.3	198.8	40.53	5.904		
8,700.0	7,460.0	8,832.0	7,596.0	25.3	26.0	125.51	1,132.3	329.8	239.3	196.4	42.93	5.575		
8,800.0	7,460.0	8,932.0	7,596.0	26.8	27.5	125.51	1,232.3	329.8	239.3	193.9	45.38	5.274		
8,900.0	7,460.0	9,032.0	7,596.0	28.4	29.0	125.51	1,332.3	329.8	239.3	191.4	47.87	4.999		
9,000.0	7,460.0	9,132.0	7,596.0	29.9	30.5	125.51	1,432.3	329.8	239.3	188.9	50.41	4.747		
9,100.0	7,460.0	9,232.0	7,596.0	31.5	32.1	125.51	1,532.3	329.8	239.3	186.3	52.98	4.517		
9,145.2	7,460.0	9,277.2	7,596.0	32.2	32.8	125.50	1,577.5	329.8	239.4	185.3	54.12	4.423		
9,200.0	7,460.0	9,332.0	7,596.0	33.1	33.6	125.49	1,632.3	329.8	239.4	183.9	55.51	4.313		
9,300.0	7,460.0	9,432.0	7,596.0	34.7	35.2	125.32	1,732.3	329.8	240.4	182.2	58.23	4.129		
9,400.0	7,460.0	9,531.9	7,596.0	36.4	36.8	125.16	1,832.3	329.8	241.4	180.4	60.98	3.959		
9,500.0	7,460.0	9,631.9	7,596.0	38.0	38.5	124.99	1,932.3	329.8	242.4	178.6	63.76	3.801		
9,600.0	7,460.0	9,731.9	7,596.0	39.6	40.1	124.83	2,032.3	329.8	243.4	176.8	66.57	3.656		
9,700.0	7,460.0	9,831.9	7,596.0	41.3	41.7	124.67	2,132.3	329.8	244.4	175.0	69.41	3.521		
9,800.0	7,460.0	9,931.9	7,596.0	43.0	43.4	124.51	2,232.3	329.8	245.4	173.1	72.26	3.395		
9,900.0	7,460.0	10,031.9	7,596.0	44.6	45.0	124.35	2,332.2	329.8	246.4	171.2	75.14	3.279		
10,000.0	7,460.0	10,131.9	7,596.0	46.3	46.7	124.19	2,432.2	329.8	247.3	169.3	78.04	3.170		
10,100.0	7,460.0	10,231.9	7,596.0	48.0	48.4	124.04	2,532.2	329.8	248.3	167.4	80.95	3.068		
10,200.0	7,460.0	10,331.9	7,596.0	49.7	50.0	123.88	2,632.2	329.8	249.3	165.5	83.89	2.972		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3E-22H-M268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
10,300.0	7,460.0	10,431.9	7,596.0	51.4	51.7	123.73	2,732.2	329.8	250.3	163.5	86.83	2.883		
10,400.0	7,460.0	10,531.9	7,596.0	53.1	53.4	123.58	2,832.2	329.8	251.3	161.5	89.80	2.799		
10,500.0	7,460.0	10,631.9	7,596.0	54.8	55.1	123.43	2,932.2	329.8	252.4	159.6	92.78	2.720		
10,600.0	7,460.0	10,731.9	7,596.0	56.5	56.8	123.28	3,032.2	329.8	253.4	157.6	95.77	2.645		
10,700.0	7,460.0	10,831.9	7,596.0	58.2	58.5	123.13	3,132.2	329.8	254.4	155.6	98.78	2.575		
10,800.0	7,460.0	10,931.8	7,596.0	59.9	60.2	122.98	3,232.2	329.8	255.4	153.6	101.80	2.509		
10,900.0	7,460.0	11,031.8	7,596.0	61.6	61.9	122.83	3,332.2	329.8	256.4	151.6	104.83	2.446		
11,000.0	7,460.0	11,131.8	7,596.0	63.3	63.6	122.69	3,432.2	329.8	257.4	149.5	107.87	2.386		
11,100.0	7,460.0	11,231.8	7,596.0	65.0	65.3	122.54	3,532.2	329.8	258.4	147.5	110.93	2.330		
11,200.0	7,460.0	11,331.8	7,596.0	66.7	67.0	122.40	3,632.2	329.8	259.4	145.4	113.99	2.276		
11,300.0	7,460.0	11,431.8	7,596.0	68.5	68.7	122.26	3,732.1	329.8	260.4	143.4	117.07	2.225		
11,400.0	7,460.0	11,531.8	7,596.0	70.2	70.5	122.12	3,832.1	329.8	261.5	141.3	120.15	2.176		
11,500.0	7,460.0	11,631.8	7,596.0	71.9	72.2	121.98	3,932.1	329.8	262.5	139.2	123.25	2.130		
11,600.0	7,460.0	11,731.8	7,596.0	73.6	73.9	121.84	4,032.1	329.8	263.5	137.1	126.35	2.085		
11,700.0	7,460.0	11,831.8	7,596.0	75.4	75.6	121.70	4,132.1	329.8	264.5	135.1	129.47	2.043		
11,800.0	7,460.0	11,931.8	7,596.0	77.1	77.3	121.56	4,232.1	329.8	265.6	133.0	132.59	2.003		
11,900.0	7,460.0	12,031.8	7,596.0	78.8	79.1	121.43	4,332.1	329.8	266.6	130.9	135.72	1.964		
12,000.0	7,460.0	12,131.8	7,596.0	80.5	80.8	121.30	4,432.1	329.8	267.6	128.7	138.86	1.927		
12,100.0	7,460.0	12,231.8	7,596.0	82.3	82.5	121.16	4,532.1	329.8	268.6	126.6	142.01	1.892		
12,200.0	7,460.0	12,331.7	7,596.0	84.0	84.2	121.03	4,632.1	329.8	269.7	124.5	145.17	1.858		
12,300.0	7,460.0	12,431.7	7,596.0	85.7	86.0	120.90	4,732.1	329.8	270.7	122.4	148.33	1.825		
12,400.0	7,460.0	12,531.7	7,596.0	87.5	87.7	120.77	4,832.1	329.8	271.7	120.2	151.50	1.794		
12,500.0	7,460.0	12,631.7	7,596.0	89.2	89.4	120.64	4,932.1	329.8	272.8	118.1	154.68	1.763		
12,600.0	7,460.0	12,731.7	7,596.0	90.9	91.2	120.51	5,032.1	329.8	273.8	115.9	157.87	1.734		
12,700.0	7,460.0	12,831.7	7,596.0	92.7	92.9	120.38	5,132.0	329.8	274.8	113.8	161.06	1.706		
12,800.0	7,460.0	12,931.7	7,596.0	94.4	94.6	120.26	5,232.0	329.8	275.9	111.6	164.26	1.680		
12,900.0	7,460.0	13,031.7	7,596.0	96.1	96.4	120.13	5,332.0	329.8	276.9	109.5	167.47	1.654		
13,000.0	7,460.0	13,131.7	7,596.0	97.9	98.1	120.01	5,432.0	329.8	278.0	107.3	170.68	1.629		
13,100.0	7,460.0	13,231.7	7,596.0	99.6	99.8	119.88	5,532.0	329.8	279.0	105.1	173.90	1.604		
13,200.0	7,460.0	13,331.7	7,596.0	101.4	101.6	119.76	5,632.0	329.8	280.1	102.9	177.12	1.581		
13,300.0	7,460.0	13,431.7	7,596.0	103.1	103.3	119.64	5,732.0	329.8	281.1	100.7	180.35	1.559		
13,400.0	7,460.0	13,531.7	7,596.0	104.8	105.0	119.52	5,832.0	329.8	282.1	98.6	183.59	1.537		
13,500.0	7,460.0	13,634.8	7,596.0	106.6	106.8	119.42	5,935.1	329.6	283.0	96.2	186.85	1.515		
13,600.0	7,460.0	13,741.6	7,596.0	108.3	108.7	119.61	6,041.9	326.3	281.4	91.8	189.64	1.484 Level 3		
13,700.0	7,460.0	13,841.6	7,596.0	110.1	110.4	119.90	6,141.8	322.3	278.9	86.8	192.15	1.452 Level 3		
13,800.0	7,460.0	13,941.6	7,596.0	111.8	112.1	120.19	6,241.7	318.2	276.5	81.8	194.62	1.421 Level 3		
13,900.0	7,460.0	14,041.5	7,596.0	113.5	113.9	120.49	6,341.5	314.2	274.0	76.9	197.06	1.390 Level 3		
14,000.0	7,460.0	14,141.5	7,596.0	115.3	115.6	120.80	6,441.4	310.1	271.5	72.1	199.47	1.361 Level 3		
14,100.0	7,460.0	14,241.4	7,596.0	117.0	117.4	121.11	6,541.3	306.0	269.1	67.2	201.84	1.333 Level 3		
14,200.0	7,460.0	14,341.4	7,596.0	118.8	119.1	121.43	6,641.2	302.0	266.6	62.5	204.18	1.306 Level 3		
14,300.0	7,460.0	14,441.3	7,596.0	120.5	120.8	121.75	6,741.1	297.9	264.2	57.7	206.48	1.280 Level 3		
14,400.0	7,460.0	14,541.3	7,596.0	122.3	122.6	122.08	6,840.9	293.9	261.8	53.0	208.74	1.254 Level 3		
14,500.0	7,460.0	14,641.3	7,596.0	124.0	124.3	122.42	6,940.8	289.8	259.4	48.4	210.95	1.229 Level 2		
14,600.0	7,460.0	14,741.2	7,596.0	125.7	126.0	122.76	7,040.7	285.7	257.0	43.8	213.13	1.206 Level 2		
14,700.0	7,460.0	14,841.2	7,596.0	127.5	127.8	123.11	7,140.6	281.7	254.6	39.3	215.27	1.183 Level 2		
14,800.0	7,460.0	14,941.1	7,596.0	129.2	129.5	123.46	7,240.4	277.6	252.2	34.8	217.35	1.160 Level 2		
14,900.0	7,460.0	15,041.1	7,596.0	131.0	131.3	123.82	7,340.3	273.6	249.8	30.4	219.39	1.139 Level 2		
15,000.0	7,460.0	15,141.1	7,596.0	132.7	133.0	124.19	7,440.2	269.5	247.4	26.0	221.39	1.118 Level 2		
15,100.0	7,460.0	15,241.0	7,596.0	134.5	134.7	124.57	7,540.1	265.5	245.1	21.7	223.33	1.097 Level 2		
15,170.8	7,460.0	15,306.1	7,596.0	135.7	135.9	124.81	7,605.1	262.8	243.5	18.8	224.64	1.084 Level 2		
15,173.6	7,460.0	15,306.1	7,596.0	135.8	135.9	124.81	7,605.1	262.8	243.5	18.8	224.68	1.084 Level 2, 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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3F-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			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	91.05	-0.4	19.9	19.9					
100.0	100.0	100.0	100.0	0.1	0.2	91.05	-0.4	19.9	19.9	19.6	0.30	66.543		
200.0	200.0	200.0	200.0	0.3	0.3	91.05	-0.4	19.9	19.9	19.2	0.65	30.671		
300.0	300.0	300.0	300.0	0.5	0.5	91.05	-0.4	19.9	19.9	18.9	1.00	19.928	CC, ES	
400.0	400.0	399.7	399.7	0.7	0.7	92.66	-1.0	20.5	20.5	19.2	1.35	15.252		
500.0	500.0	499.4	499.4	0.8	0.9	96.91	-2.7	22.4	22.6	20.9	1.69	13.329		
600.0	600.0	599.0	598.9	1.0	1.0	-59.37	-5.7	25.6	25.8	23.7	2.05	12.593		
700.0	700.0	698.5	698.2	1.2	1.2	-57.49	-9.8	30.0	29.6	27.2	2.40	12.333		
800.0	799.9	798.1	797.5	1.4	1.4	-57.21	-14.9	35.6	33.9	31.1	2.76	12.266		
900.0	899.7	898.1	897.1	1.6	1.6	-58.59	-20.3	41.4	37.7	34.5	3.14	12.018		
1,000.0	999.5	998.0	996.8	1.8	1.9	-59.86	-25.6	47.3	41.4	37.9	3.51	11.794		
1,100.0	1,099.4	1,097.9	1,096.4	2.0	2.1	-60.92	-31.0	53.1	45.2	41.3	3.89	11.606		
1,200.0	1,199.2	1,197.9	1,196.0	2.1	2.3	-61.82	-36.4	58.9	48.9	44.7	4.27	11.447		
1,300.0	1,299.0	1,297.8	1,295.6	2.3	2.5	-62.58	-41.7	64.7	52.7	48.0	4.66	11.310		
1,400.0	1,398.8	1,397.7	1,395.2	2.5	2.7	-63.25	-47.1	70.5	56.5	51.4	5.05	11.191		
1,500.0	1,498.7	1,497.6	1,494.8	2.7	2.9	-63.83	-52.4	76.3	60.3	54.8	5.44	11.088		
1,600.0	1,598.5	1,597.6	1,594.4	2.9	3.2	-64.35	-57.8	82.1	64.1	58.2	5.83	10.996		
1,700.0	1,698.3	1,697.5	1,694.1	3.1	3.4	-64.80	-63.2	87.9	67.9	61.6	6.22	10.915		
1,800.0	1,798.1	1,797.4	1,793.7	3.3	3.6	-65.21	-68.5	93.7	71.7	65.0	6.61	10.843		
1,900.0	1,898.0	1,897.3	1,893.3	3.5	3.8	-65.58	-73.9	99.5	75.5	68.5	7.00	10.777		
2,000.0	1,997.8	1,997.3	1,992.9	3.7	4.0	-65.91	-79.2	105.3	79.3	71.9	7.40	10.719		
2,100.0	2,097.6	2,097.2	2,092.5	3.9	4.3	-66.21	-84.6	111.1	83.1	75.3	7.79	10.665		
2,200.0	2,197.5	2,197.1	2,192.1	4.1	4.5	-66.48	-90.0	117.0	86.9	78.7	8.18	10.617		
2,300.0	2,297.3	2,297.0	2,291.7	4.3	4.7	-66.73	-95.3	122.8	90.7	82.1	8.58	10.572		
2,400.0	2,397.1	2,397.0	2,391.3	4.5	4.9	-66.96	-100.7	128.6	94.5	85.5	8.98	10.531		
2,500.0	2,496.9	2,496.9	2,491.0	4.7	5.2	-67.18	-106.0	134.4	98.3	89.0	9.37	10.494		
2,600.0	2,596.8	2,596.8	2,590.6	4.9	5.4	-67.38	-111.4	140.2	102.2	92.4	9.77	10.459		
2,700.0	2,696.6	2,696.7	2,690.2	5.1	5.6	-67.56	-116.8	146.0	106.0	95.8	10.16	10.427		
2,800.0	2,796.4	2,796.7	2,789.8	5.3	5.8	-67.73	-122.1	151.8	109.8	99.2	10.56	10.397		
2,900.0	2,896.3	2,896.6	2,889.4	5.5	6.0	-67.89	-127.5	157.6	113.6	102.7	10.96	10.369		
3,000.0	2,996.1	2,996.5	2,989.0	5.7	6.3	-68.04	-132.8	163.4	117.4	106.1	11.35	10.343		
3,100.0	3,095.9	3,096.5	3,088.6	6.0	6.5	-68.18	-138.2	169.2	121.3	109.5	11.75	10.319		
3,200.0	3,195.7	3,196.4	3,188.3	6.2	6.7	-68.31	-143.6	175.0	125.1	112.9	12.15	10.296		
3,300.0	3,295.6	3,296.3	3,287.9	6.4	6.9	-68.43	-148.9	180.9	128.9	116.4	12.55	10.274		
3,400.0	3,395.4	3,396.2	3,387.5	6.6	7.2	-68.54	-154.3	186.7	132.7	119.8	12.94	10.254		
3,500.0	3,495.2	3,496.2	3,487.1	6.8	7.4	-68.65	-159.6	192.5	136.6	123.2	13.34	10.235		
3,600.0	3,595.1	3,596.1	3,586.7	7.0	7.6	-68.76	-165.0	198.3	140.4	126.6	13.74	10.217		
3,700.0	3,694.9	3,696.0	3,686.3	7.2	7.8	-68.86	-170.4	204.1	144.2	130.1	14.14	10.200		
3,800.0	3,794.7	3,795.9	3,785.9	7.4	8.0	-68.95	-175.7	209.9	148.0	133.5	14.54	10.184		
3,900.0	3,894.5	3,895.9	3,885.5	7.6	8.3	-69.04	-181.1	215.7	151.9	136.9	14.93	10.169		
4,000.0	3,994.4	3,995.8	3,985.2	7.8	8.5	-69.12	-186.4	221.5	155.7	140.4	15.33	10.154		
4,100.0	4,094.2	4,095.7	4,084.8	8.0	8.7	-69.20	-191.8	227.3	159.5	143.8	15.73	10.140		
4,200.0	4,194.0	4,195.6	4,184.4	8.2	8.9	-69.28	-197.2	233.1	163.3	147.2	16.13	10.127		
4,300.0	4,293.8	4,295.6	4,284.0	8.4	9.1	-69.35	-202.5	238.9	167.2	150.6	16.53	10.114		
4,400.0	4,393.7	4,395.5	4,383.6	8.6	9.4	-69.42	-207.9	244.7	171.0	154.1	16.93	10.102		
4,500.0	4,493.5	4,495.4	4,483.2	8.8	9.6	-69.48	-213.2	250.6	174.8	157.5	17.33	10.091		
4,600.0	4,593.3	4,595.4	4,582.8	9.0	9.8	-69.55	-218.6	256.4	178.7	160.9	17.72	10.080		
4,700.0	4,693.2	4,695.3	4,682.5	9.2	10.0	-69.61	-224.0	262.2	182.5	164.4	18.12	10.070		
4,800.0	4,793.0	4,795.2	4,782.1	9.4	10.3	-69.67	-229.3	268.0	186.3	167.8	18.52	10.059		
4,900.0	4,892.8	4,895.1	4,881.7	9.6	10.5	-69.72	-234.7	273.8	190.1	171.2	18.92	10.050		
5,000.0	4,992.6	4,995.1	4,981.3	9.8	10.7	-69.78	-240.1	279.6	194.0	174.7	19.32	10.041		
5,100.0	5,092.5	5,095.0	5,080.9	10.0	10.9	-69.83	-245.4	285.4	197.8	178.1	19.72	10.032		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3F-22H-M268 - Hz - Plan #2												Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,200.0	5,192.3	5,194.9	5,180.5	10.2	11.1	-69.88	-250.8	291.2	201.6	181.5	20.12	10.023	
5,300.0	5,292.1	5,294.8	5,280.1	10.4	11.4	-69.93	-256.1	297.0	205.5	184.9	20.52	10.015	
5,400.0	5,392.0	5,394.8	5,379.7	10.6	11.6	-69.97	-261.5	302.8	209.3	188.4	20.92	10.007	
5,500.0	5,491.8	5,494.7	5,479.4	10.8	11.8	-70.02	-266.9	308.6	213.1	191.8	21.31	9.999	
5,600.0	5,591.6	5,594.6	5,579.0	11.0	12.0	-70.06	-272.2	314.4	217.0	195.2	21.71	9.992	
5,700.0	5,691.4	5,694.5	5,678.6	11.2	12.3	-70.10	-277.6	320.3	220.8	198.7	22.11	9.985	
5,800.0	5,791.3	5,794.5	5,778.2	11.4	12.5	-70.14	-282.9	326.1	224.6	202.1	22.51	9.978	
5,900.0	5,891.1	5,894.4	5,877.8	11.6	12.7	-70.18	-288.3	331.9	228.4	205.5	22.91	9.971	
6,000.0	5,990.9	5,994.3	5,977.4	11.8	12.9	-70.22	-293.7	337.7	232.3	209.0	23.31	9.965	
6,100.0	6,090.7	6,094.3	6,077.0	12.0	13.2	-70.25	-299.0	343.5	236.1	212.4	23.71	9.959	
6,200.0	6,190.6	6,194.2	6,176.7	12.2	13.4	-70.29	-304.4	349.3	239.9	215.8	24.11	9.953	
6,300.0	6,290.4	6,294.1	6,276.3	12.4	13.6	-70.32	-309.7	355.1	243.8	219.3	24.51	9.947	
6,400.0	6,390.2	6,394.0	6,375.9	12.6	13.8	-70.35	-315.1	360.9	247.6	222.7	24.91	9.941	
6,500.0	6,490.1	6,494.0	6,475.5	12.8	14.0	-70.39	-320.5	366.7	251.4	226.1	25.31	9.936	
6,600.0	6,589.9	6,593.9	6,575.1	13.0	14.3	-70.42	-325.8	372.5	255.3	229.6	25.70	9.931	
6,700.0	6,689.7	6,693.8	6,674.7	13.2	14.5	-70.45	-331.2	378.3	259.1	233.0	26.10	9.925	
6,800.0	6,789.5	6,793.7	6,774.3	13.4	14.7	-70.48	-336.5	384.2	262.9	236.4	26.50	9.920	
6,900.0	6,889.4	6,892.6	6,872.9	13.6	14.8	9.18	-333.6	389.9	266.9	240.0	26.90	9.922	
7,000.0	6,988.8	6,989.5	6,967.6	13.7	14.9	78.97	-314.4	395.4	271.3	244.2	27.09	10.015	
7,100.0	7,085.2	7,084.8	7,056.2	13.6	14.8	79.65	-280.2	400.5	275.8	248.8	27.00	10.214	
7,200.0	7,175.5	7,178.7	7,136.9	13.5	14.7	78.54	-232.6	405.1	280.3	253.6	26.71	10.493	
7,300.0	7,257.1	7,271.3	7,207.8	13.4	14.7	77.22	-173.3	409.1	284.5	258.2	26.32	10.812	
7,400.0	7,327.4	7,362.9	7,267.7	13.3	14.6	76.01	-104.1	412.5	288.2	262.3	25.96	11.103	
7,500.0	7,384.4	7,453.8	7,315.4	13.3	14.7	75.05	-27.0	415.1	291.2	265.4	25.81	11.285	
7,600.0	7,426.2	7,544.1	7,350.3	13.5	14.9	74.39	56.3	417.0	293.4	267.4	26.03	11.272	
7,700.0	7,451.7	7,634.1	7,371.6	13.9	15.3	74.05	143.6	418.1	294.6	267.8	26.73	11.021	
7,800.0	7,460.0	7,724.0	7,379.0	14.5	15.8	74.05	233.1	418.4	294.7	266.8	27.92	10.555	
7,900.0	7,460.0	7,823.7	7,379.0	15.3	16.5	74.04	332.8	418.2	294.5	265.1	29.46	9.997	
8,000.0	7,460.0	7,923.7	7,379.0	16.2	17.4	74.03	432.8	418.0	294.4	263.1	31.28	9.410	
8,100.0	7,460.0	8,023.7	7,379.0	17.3	18.4	74.02	532.8	417.8	294.2	260.9	33.35	8.822	
8,200.0	7,460.0	8,123.7	7,379.0	18.5	19.5	74.01	632.8	417.7	294.0	258.4	35.61	8.257	
8,300.0	7,460.0	8,223.7	7,379.0	19.7	20.7	74.00	732.8	417.5	293.9	255.8	38.04	7.725	
8,400.0	7,460.0	8,323.7	7,379.0	21.0	22.0	73.99	832.8	417.3	293.7	253.1	40.60	7.233	
8,500.0	7,460.0	8,423.7	7,379.0	22.4	23.3	73.98	932.8	417.1	293.5	250.3	43.28	6.783	
8,600.0	7,460.0	8,523.7	7,379.0	23.9	24.7	73.97	1,032.8	417.0	293.4	247.3	46.04	6.371	
8,700.0	7,460.0	8,623.7	7,379.0	25.3	26.1	73.96	1,132.8	416.8	293.2	244.3	48.89	5.998	
8,800.0	7,460.0	8,723.7	7,379.0	26.8	27.6	73.95	1,232.8	416.6	293.0	241.2	51.79	5.658	
8,900.0	7,460.0	8,823.7	7,379.0	28.4	29.1	73.94	1,332.8	416.4	292.9	238.1	54.75	5.349	
9,000.0	7,460.0	8,923.7	7,379.0	29.9	30.6	73.93	1,432.8	416.3	292.7	234.9	57.75	5.068	
9,100.0	7,460.0	9,023.7	7,379.0	31.5	32.1	73.92	1,532.8	416.1	292.5	231.7	60.80	4.812	
9,162.9	7,460.0	9,086.6	7,379.0	32.5	33.1	73.93	1,595.7	416.0	292.6	230.0	62.68	4.669	
9,200.0	7,460.0	9,123.7	7,379.0	33.1	33.7	73.92	1,632.8	415.9	292.5	228.8	63.79	4.586	
9,300.0	7,460.0	9,223.7	7,379.0	34.7	35.3	73.98	1,732.8	415.7	293.5	226.6	66.90	4.388	
9,400.0	7,460.0	9,323.7	7,379.0	36.4	36.9	74.04	1,832.8	415.6	294.5	224.5	70.05	4.205	
9,500.0	7,460.0	9,423.7	7,379.0	38.0	38.5	74.09	1,932.8	415.4	295.5	222.3	73.22	4.036	
9,600.0	7,460.0	9,523.7	7,379.0	39.6	40.1	74.14	2,032.8	415.2	296.5	220.1	76.41	3.880	
9,700.0	7,460.0	9,623.7	7,379.0	41.3	41.8	74.20	2,132.8	415.0	297.5	217.9	79.62	3.737	
9,800.0	7,460.0	9,723.7	7,379.0	43.0	43.4	74.25	2,232.8	414.9	298.5	215.6	82.84	3.603	
9,900.0	7,460.0	9,823.7	7,379.0	44.6	45.1	74.31	2,332.8	414.7	299.5	213.4	86.08	3.479	
10,000.0	7,460.0	9,923.7	7,379.0	46.3	46.7	74.36	2,432.7	414.5	300.5	211.1	89.33	3.363	
10,100.0	7,460.0	10,023.7	7,379.0	48.0	48.4	74.41	2,532.7	414.3	301.4	208.8	92.60	3.255	
10,200.0	7,460.0	10,123.7	7,379.0	49.7	50.1	74.46	2,632.7	414.2	302.4	206.6	95.87	3.155	

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

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3F-22H-M268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning	
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
10,300.0	7,460.0	10,223.7	7,379.0	51.4	51.8	74.52	2,732.7	414.0	303.4	204.3	99.16	3.060		
10,400.0	7,460.0	10,323.7	7,379.0	53.1	53.4	74.57	2,832.7	413.8	304.4	202.0	102.45	2.971		
10,500.0	7,460.0	10,423.7	7,379.0	54.8	55.1	74.62	2,932.7	413.6	305.4	199.7	105.76	2.888		
10,600.0	7,460.0	10,523.6	7,379.0	56.5	56.8	74.67	3,032.7	413.5	306.4	197.3	109.07	2.809		
10,700.0	7,460.0	10,623.6	7,379.0	58.2	58.5	74.72	3,132.7	413.3	307.4	195.0	112.39	2.735		
10,800.0	7,460.0	10,723.6	7,379.0	59.9	60.2	74.77	3,232.7	413.1	308.4	192.7	115.71	2.665		
10,900.0	7,460.0	10,823.6	7,379.0	61.6	61.9	74.82	3,332.7	412.9	309.4	190.3	119.04	2.599		
11,000.0	7,460.0	10,923.6	7,379.0	63.3	63.6	74.87	3,432.7	412.8	310.4	188.0	122.38	2.536		
11,100.0	7,460.0	11,023.6	7,379.0	65.0	65.3	74.92	3,532.7	412.6	311.4	185.7	125.72	2.477		
11,200.0	7,460.0	11,123.6	7,379.0	66.7	67.1	74.97	3,632.7	412.4	312.4	183.3	129.07	2.420		
11,300.0	7,460.0	11,223.6	7,379.0	68.5	68.8	75.02	3,732.7	412.2	313.4	180.9	132.42	2.366		
11,400.0	7,460.0	11,323.6	7,379.0	70.2	70.5	75.07	3,832.7	412.1	314.4	178.6	135.78	2.315		
11,500.0	7,460.0	11,423.6	7,379.0	71.9	72.2	75.12	3,932.7	411.9	315.4	176.2	139.14	2.266		
11,600.0	7,460.0	11,523.6	7,379.0	73.6	73.9	75.16	4,032.7	411.7	316.3	173.8	142.50	2.220		
11,700.0	7,460.0	11,623.6	7,379.0	75.4	75.6	75.21	4,132.7	411.6	317.3	171.5	145.87	2.175		
11,800.0	7,460.0	11,723.6	7,379.0	77.1	77.4	75.26	4,232.6	411.4	318.3	169.1	149.24	2.133		
11,900.0	7,460.0	11,823.6	7,379.0	78.8	79.1	75.31	4,332.6	411.2	319.3	166.7	152.62	2.092		
12,000.0	7,460.0	11,923.6	7,379.0	80.5	80.8	75.35	4,432.6	411.0	320.3	164.3	156.00	2.053		
12,100.0	7,460.0	12,023.6	7,379.0	82.3	82.5	75.40	4,532.6	410.9	321.3	161.9	159.38	2.016		
12,200.0	7,460.0	12,123.6	7,379.0	84.0	84.3	75.44	4,632.6	410.7	322.3	159.6	162.76	1.980		
12,300.0	7,460.0	12,223.6	7,379.0	85.7	86.0	75.49	4,732.6	410.5	323.3	157.2	166.15	1.946		
12,400.0	7,460.0	12,323.6	7,379.0	87.5	87.7	75.54	4,832.6	410.3	324.3	154.8	169.54	1.913		
12,500.0	7,460.0	12,423.5	7,379.0	89.2	89.4	75.58	4,932.6	410.2	325.3	152.4	172.94	1.881		
12,600.0	7,460.0	12,523.5	7,379.0	90.9	91.2	75.63	5,032.6	410.0	326.3	150.0	176.33	1.851		
12,700.0	7,460.0	12,620.8	7,379.0	92.7	92.9	75.67	5,129.9	409.9	327.4	147.7	179.69	1.822		
12,800.0	7,460.0	12,716.1	7,379.0	94.4	94.5	75.80	5,225.2	411.6	330.3	147.3	183.07	1.804		
12,900.0	7,460.0	12,816.1	7,379.0	96.1	96.2	75.94	5,325.1	413.8	333.6	147.0	186.55	1.788		
13,000.0	7,460.0	12,916.0	7,379.0	97.9	98.0	76.08	5,425.0	415.9	336.8	146.8	190.03	1.773		
13,100.0	7,460.0	13,016.0	7,379.0	99.6	99.7	76.21	5,524.9	418.1	340.1	146.6	193.51	1.757		
13,200.0	7,460.0	13,115.9	7,379.0	101.4	101.4	76.35	5,624.9	420.2	343.3	146.3	196.99	1.743		
13,300.0	7,460.0	13,215.8	7,379.0	103.1	103.2	76.48	5,724.8	422.4	346.6	146.1	200.48	1.729		
13,400.0	7,460.0	13,315.8	7,379.0	104.8	104.9	76.61	5,824.7	424.5	349.8	145.9	203.96	1.715		
13,500.0	7,460.0	13,415.7	7,379.0	106.6	106.7	76.73	5,924.6	426.7	353.1	145.6	207.45	1.702		
13,600.0	7,460.0	13,515.7	7,379.0	108.3	108.4	76.85	6,024.5	428.8	356.4	145.4	210.94	1.689		
13,700.0	7,460.0	13,615.6	7,379.0	110.1	110.1	76.98	6,124.5	430.9	359.6	145.2	214.43	1.677		
13,800.0	7,460.0	13,715.6	7,379.0	111.8	111.9	77.10	6,224.4	433.1	362.9	145.0	217.93	1.665		
13,900.0	7,460.0	13,815.5	7,379.0	113.5	113.6	77.21	6,324.3	435.2	366.2	144.7	221.42	1.654		
14,000.0	7,460.0	13,915.4	7,379.0	115.3	115.4	77.33	6,424.2	437.4	369.4	144.5	224.92	1.642		
14,100.0	7,460.0	14,015.4	7,379.0	117.0	117.1	77.44	6,524.1	439.5	372.7	144.3	228.41	1.632		
14,200.0	7,460.0	14,115.3	7,379.0	118.8	118.8	77.55	6,624.1	441.7	376.0	144.0	231.91	1.621		
14,300.0	7,460.0	14,215.3	7,379.0	120.5	120.6	77.66	6,724.0	443.8	379.2	143.8	235.41	1.611		
14,400.0	7,460.0	14,315.2	7,379.0	122.3	122.3	77.77	6,823.9	446.0	382.5	143.6	238.91	1.601		
14,500.0	7,460.0	14,415.2	7,379.0	124.0	124.1	77.87	6,923.8	448.1	385.8	143.4	242.41	1.591		
14,600.0	7,460.0	14,515.1	7,379.0	125.7	125.8	77.98	7,023.7	450.2	389.0	143.1	245.91	1.582		
14,700.0	7,460.0	14,615.1	7,379.0	127.5	127.5	78.08	7,123.7	452.4	392.3	142.9	249.41	1.573		
14,800.0	7,460.0	14,715.0	7,379.0	129.2	129.3	78.18	7,223.6	454.5	395.6	142.7	252.91	1.564		
14,900.0	7,460.0	14,814.9	7,379.0	131.0	131.0	78.28	7,323.5	456.7	398.9	142.5	256.42	1.556		
15,000.0	7,460.0	14,914.9	7,379.0	132.7	132.8	78.37	7,423.4	458.8	402.2	142.2	259.92	1.547		
15,100.0	7,460.0	15,014.8	7,379.0	134.5	134.5	78.47	7,523.3	461.0	405.4	142.0	263.43	1.539		
15,173.6	7,460.0	15,088.4	7,379.0	135.8	135.8	78.54	7,596.9	462.5	407.9	141.8	266.01	1.533 SF		

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3G-22H-N268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
5,100.0	5,092.5	5,284.4	5,260.5	10.0	11.1	-70.60	-246.1	1,068.6	989.8	970.5	19.32	51.225		
5,200.0	5,192.3	5,383.2	5,358.2	10.2	11.4	-70.60	-251.6	1,055.3	974.3	954.6	19.71	49.428		
5,300.0	5,292.1	5,482.0	5,456.0	10.4	11.7	-70.60	-257.1	1,041.9	958.8	938.7	20.10	47.701		
5,400.0	5,392.0	5,580.8	5,553.7	10.6	11.9	-70.60	-262.6	1,028.5	943.3	922.8	20.49	46.038		
5,500.0	5,491.8	5,679.6	5,651.4	10.8	12.2	-70.60	-268.0	1,015.2	927.8	906.9	20.88	44.437		
5,600.0	5,591.6	5,778.4	5,749.2	11.0	12.5	-70.60	-273.5	1,001.8	912.3	891.1	21.27	42.894		
5,700.0	5,691.4	5,877.2	5,846.9	11.2	12.8	-70.60	-279.0	988.4	896.8	875.2	21.66	41.406		
5,800.0	5,791.3	5,976.0	5,944.6	11.4	13.1	-70.61	-284.5	975.1	881.3	859.3	22.05	39.971		
5,900.0	5,891.1	6,074.7	6,042.4	11.6	13.4	-70.61	-289.9	961.7	865.9	843.4	22.44	38.585		
6,000.0	5,990.9	6,173.5	6,140.1	11.8	13.7	-70.61	-295.4	948.3	850.4	827.5	22.83	37.247		
6,100.0	6,090.7	6,272.3	6,237.8	12.0	14.0	-70.61	-300.9	935.0	834.9	811.6	23.22	35.953		
6,200.0	6,190.6	6,371.1	6,335.5	12.2	14.3	-70.61	-306.4	921.6	819.4	795.8	23.61	34.701		
6,300.0	6,290.4	6,469.9	6,433.3	12.4	14.6	-70.61	-311.8	908.2	803.9	779.9	24.00	33.491		
6,400.0	6,390.2	6,568.7	6,531.0	12.6	14.9	-70.61	-317.3	894.9	788.4	764.0	24.39	32.319		
6,500.0	6,490.1	6,667.5	6,628.7	12.8	15.2	-70.62	-322.8	881.5	772.9	748.1	24.79	31.183		
6,600.0	6,589.9	6,766.3	6,726.5	13.0	15.5	-70.62	-328.3	868.1	757.4	732.2	25.18	30.083		
6,700.0	6,689.7	6,865.1	6,824.2	13.2	15.8	-70.62	-333.7	854.8	741.9	716.3	25.57	29.017		
6,800.0	6,789.5	6,963.9	6,922.0	13.4	16.0	-70.67	-338.6	841.4	726.4	700.5	25.95	27.995		
6,900.0	6,889.4	7,061.1	7,017.8	13.6	16.3	10.26	-331.1	828.3	711.0	684.8	26.22	27.121		
7,000.0	6,988.8	7,155.5	7,108.5	13.7	16.4	82.99	-308.3	815.9	696.0	669.7	26.31	26.452		
7,100.0	7,085.2	7,248.0	7,192.5	13.6	16.5	86.40	-271.7	804.4	681.7	655.5	26.26	25.961		
7,200.0	7,175.5	7,338.8	7,268.4	13.5	16.7	87.73	-222.9	794.0	668.6	642.4	26.14	25.575		
7,300.0	7,257.1	7,428.4	7,334.7	13.4	16.8	88.51	-163.6	784.9	656.9	630.8	26.06	25.207		
7,400.0	7,327.4	7,517.0	7,390.6	13.3	17.0	89.04	-95.3	777.3	646.9	620.8	26.12	24.767		
7,500.0	7,384.4	7,604.9	7,435.1	13.3	17.3	89.43	-19.8	771.2	638.9	612.4	26.43	24.176		
7,600.0	7,426.2	7,692.3	7,467.4	13.5	17.7	89.71	61.2	766.8	633.0	605.9	27.06	23.387		
7,700.0	7,451.7	7,779.5	7,487.2	13.9	18.2	89.90	145.9	764.1	629.4	601.3	28.07	22.421		
7,800.0	7,460.0	7,866.5	7,494.0	14.5	18.7	90.00	232.6	763.1	628.1	598.7	29.42	21.351		
7,841.8	7,460.0	7,908.1	7,494.0	14.8	19.1	90.00	274.2	763.1	628.1	598.0	30.14	20.837		
7,900.0	7,460.0	7,966.3	7,494.0	15.3	19.5	90.00	332.3	763.1	628.1	596.9	31.20	20.132		
8,000.0	7,460.0	8,066.3	7,494.0	16.2	20.4	90.00	432.3	763.1	628.1	594.9	33.24	18.894		
8,100.0	7,460.0	8,166.3	7,494.0	17.3	21.5	90.00	532.3	763.1	628.1	592.6	35.52	17.684		
8,200.0	7,460.0	8,266.3	7,494.0	18.5	22.6	90.00	632.3	763.1	628.1	590.1	37.98	16.537		
8,300.0	7,460.0	8,366.3	7,494.0	19.7	23.8	90.00	732.3	763.1	628.1	587.5	40.60	15.470		
8,400.0	7,460.0	8,466.3	7,494.0	21.0	25.0	90.00	832.3	763.1	628.1	584.7	43.34	14.491		
8,500.0	7,460.0	8,566.3	7,494.0	22.4	26.3	90.00	932.3	763.1	628.1	581.9	46.19	13.597		
8,600.0	7,460.0	8,666.3	7,494.0	23.9	27.7	90.00	1,032.3	763.1	628.1	578.9	49.13	12.785		
8,700.0	7,460.0	8,766.3	7,494.0	25.3	29.1	90.00	1,132.3	763.1	628.1	575.9	52.13	12.048		
8,800.0	7,460.0	8,866.3	7,494.0	26.8	30.5	90.00	1,232.3	763.1	628.1	572.9	55.20	11.379		
8,900.0	7,460.0	8,966.3	7,494.0	28.4	32.0	90.00	1,332.3	763.1	628.1	569.7	58.31	10.771		
9,000.0	7,460.0	9,066.3	7,494.0	29.9	33.5	90.00	1,432.3	763.1	628.1	566.6	61.47	10.217		
9,100.0	7,460.0	9,166.3	7,494.0	31.5	35.0	90.00	1,532.3	763.0	628.0	563.4	64.66	9.713 CC		
9,145.7	7,460.0	9,212.0	7,494.0	32.3	35.7	90.00	1,578.1	763.0	628.2	562.0	66.17	9.493		
9,200.0	7,460.0	9,266.3	7,494.0	33.1	36.5	90.00	1,632.3	763.0	628.2	560.3	67.97	9.242		
9,300.0	7,460.0	9,366.2	7,494.0	34.7	38.1	90.00	1,732.3	763.0	629.4	558.2	71.23	8.837		
9,400.0	7,460.0	9,466.2	7,494.0	36.4	39.7	90.00	1,832.3	763.0	630.6	556.1	74.50	8.464		
9,500.0	7,460.0	9,566.2	7,494.0	38.0	41.3	90.00	1,932.3	763.0	631.8	554.0	77.80	8.121		
9,600.0	7,460.0	9,666.2	7,494.0	39.6	42.9	90.00	2,032.3	763.0	633.0	551.9	81.11	7.804		
9,700.0	7,460.0	9,766.2	7,494.0	41.3	44.5	90.00	2,132.3	763.0	634.2	549.8	84.44	7.510		
9,800.0	7,460.0	9,866.2	7,494.0	43.0	46.1	90.00	2,232.3	763.0	635.4	547.6	87.79	7.238		
9,900.0	7,460.0	9,966.2	7,494.0	44.6	47.8	90.00	2,332.3	763.0	636.6	545.5	91.14	6.985		
10,000.0	7,460.0	10,066.2	7,494.0	46.3	49.4	90.00	2,432.3	763.0	637.8	543.3	94.51	6.749		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3G-22H-N268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,100.0	7,460.0	10,166.2	7,494.0	48.0	51.1	90.00	2,532.3	763.0	639.0	541.1	97.89	6.528		
10,200.0	7,460.0	10,266.2	7,494.0	49.7	52.7	90.00	2,632.3	763.0	640.2	538.9	101.27	6.322		
10,300.0	7,460.0	10,366.2	7,494.0	51.4	54.4	90.00	2,732.3	763.0	641.4	536.7	104.67	6.128		
10,400.0	7,460.0	10,466.2	7,494.0	53.1	56.0	90.00	2,832.2	763.0	642.6	534.5	108.07	5.946		
10,500.0	7,460.0	10,566.2	7,494.0	54.8	57.7	90.00	2,932.2	763.0	643.8	532.3	111.47	5.775		
10,600.0	7,460.0	10,666.2	7,494.0	56.5	59.4	90.00	3,032.2	763.0	645.0	530.1	114.89	5.614		
10,700.0	7,460.0	10,766.1	7,494.0	58.2	61.1	90.00	3,132.2	763.0	646.2	527.9	118.31	5.462		
10,800.0	7,460.0	10,866.1	7,494.0	59.9	62.8	90.00	3,232.2	763.0	647.4	525.7	121.73	5.318		
10,900.0	7,460.0	10,966.1	7,494.0	61.6	64.5	90.00	3,332.2	762.9	648.6	523.4	125.16	5.182		
11,000.0	7,460.0	11,066.1	7,494.0	63.3	66.1	90.00	3,432.2	762.9	649.8	521.2	128.59	5.053		
11,100.0	7,460.0	11,166.1	7,494.0	65.0	67.8	90.00	3,532.2	762.9	651.0	519.0	132.03	4.931		
11,200.0	7,460.0	11,266.1	7,494.0	66.7	69.5	90.00	3,632.2	762.9	652.2	516.7	135.47	4.814		
11,300.0	7,460.0	11,366.1	7,494.0	68.5	71.2	90.00	3,732.2	762.9	653.4	514.5	138.92	4.703		
11,400.0	7,460.0	11,466.1	7,494.0	70.2	72.9	90.00	3,832.2	762.9	654.6	512.2	142.36	4.598		
11,500.0	7,460.0	11,566.1	7,494.0	71.9	74.7	90.00	3,932.2	762.9	655.8	510.0	145.81	4.497		
11,600.0	7,460.0	11,666.1	7,494.0	73.6	76.4	90.00	4,032.2	762.9	657.0	507.7	149.27	4.401		
11,700.0	7,460.0	11,766.1	7,494.0	75.4	78.1	90.00	4,132.2	762.9	658.2	505.5	152.72	4.310		
11,800.0	7,460.0	11,866.1	7,494.0	77.1	79.8	90.00	4,232.1	762.9	659.4	503.2	156.18	4.222		
11,900.0	7,460.0	11,966.1	7,494.0	78.8	81.5	90.00	4,332.1	762.9	660.6	500.9	159.64	4.138		
12,000.0	7,460.0	12,066.1	7,494.0	80.5	83.2	90.00	4,432.1	762.9	661.8	498.7	163.10	4.057		
12,100.0	7,460.0	12,166.0	7,494.0	82.3	84.9	90.00	4,532.1	762.9	663.0	496.4	166.57	3.980		
12,200.0	7,460.0	12,266.0	7,494.0	84.0	86.7	90.00	4,632.1	762.9	664.2	494.1	170.03	3.906		
12,300.0	7,460.0	12,366.0	7,494.0	85.7	88.4	90.00	4,732.1	762.9	665.4	491.9	173.50	3.835		
12,400.0	7,460.0	12,466.0	7,494.0	87.5	90.1	90.00	4,832.1	762.9	666.6	489.6	176.97	3.767		
12,500.0	7,460.0	12,566.0	7,494.0	89.2	91.8	90.00	4,932.1	762.9	667.8	487.3	180.44	3.701		
12,600.0	7,460.0	12,666.0	7,494.0	90.9	93.5	90.00	5,032.1	762.8	669.0	485.1	183.91	3.637		
12,700.0	7,460.0	12,766.0	7,494.0	92.7	95.3	90.00	5,132.1	762.8	670.2	482.8	187.38	3.576		
12,800.0	7,460.0	12,866.0	7,494.0	94.4	97.0	90.00	5,232.1	762.8	671.4	480.5	190.86	3.518		
12,900.0	7,460.0	12,966.0	7,494.0	96.1	98.7	90.00	5,332.1	762.8	672.6	478.2	194.33	3.461		
13,000.0	7,460.0	13,066.0	7,494.0	97.9	100.4	90.00	5,432.1	762.8	673.8	475.9	197.81	3.406		
13,100.0	7,460.0	13,166.0	7,494.0	99.6	102.2	90.00	5,532.1	762.8	675.0	473.7	201.29	3.353		
13,200.0	7,460.0	13,266.0	7,494.0	101.4	103.9	90.00	5,632.0	762.8	676.2	471.4	204.77	3.302		
13,300.0	7,460.0	13,366.0	7,494.0	103.1	105.6	90.00	5,732.0	762.8	677.3	469.1	208.25	3.253		
13,400.0	7,460.0	13,466.0	7,494.0	104.8	107.4	90.00	5,832.0	762.8	678.5	466.8	211.73	3.205		
13,500.0	7,460.0	13,565.9	7,494.0	106.6	109.1	90.00	5,932.0	762.8	679.7	464.5	215.21	3.159		
13,600.0	7,460.0	13,665.9	7,494.0	108.3	110.8	90.00	6,032.0	762.8	680.9	462.3	218.69	3.114		
13,700.0	7,460.0	13,765.9	7,494.0	110.1	112.6	90.00	6,132.0	762.8	682.1	460.0	222.18	3.070		
13,800.0	7,460.0	13,865.9	7,494.0	111.8	114.3	90.00	6,232.0	762.8	683.3	457.7	225.66	3.028		
13,900.0	7,460.0	13,965.9	7,494.0	113.5	116.0	90.00	6,332.0	762.8	684.5	455.4	229.15	2.987		
14,000.0	7,460.0	14,065.9	7,494.0	115.3	117.8	90.00	6,432.0	762.8	685.7	453.1	232.63	2.948		
14,100.0	7,460.0	14,165.9	7,494.0	117.0	119.5	90.00	6,532.0	762.8	686.9	450.8	236.12	2.909		
14,200.0	7,460.0	14,265.9	7,494.0	118.8	121.2	90.00	6,632.0	762.8	688.1	448.5	239.60	2.872		
14,300.0	7,460.0	14,365.9	7,494.0	120.5	123.0	90.00	6,732.0	762.8	689.3	446.2	243.09	2.836		
14,400.0	7,460.0	14,465.9	7,494.0	122.3	124.7	90.00	6,832.0	762.7	690.5	444.0	246.58	2.800		
14,500.0	7,460.0	14,565.9	7,494.0	124.0	126.5	90.00	6,932.0	762.7	691.7	441.7	250.07	2.766		
14,600.0	7,460.0	14,665.9	7,494.0	125.7	128.2	90.00	7,031.9	762.7	692.9	439.4	253.56	2.733		
14,700.0	7,460.0	14,765.9	7,494.0	127.5	129.9	90.00	7,131.9	762.7	694.1	437.1	257.05	2.700		
14,800.0	7,460.0	14,865.9	7,494.0	129.2	131.7	90.00	7,231.9	762.7	695.3	434.8	260.54	2.669		
14,900.0	7,460.0	14,965.8	7,494.0	131.0	133.4	90.00	7,331.9	762.7	696.5	432.5	264.03	2.638		
15,000.0	7,460.0	15,065.8	7,494.0	132.7	135.2	90.00	7,431.9	762.7	697.7	430.2	267.52	2.608		
15,100.0	7,460.0	15,165.8	7,494.0	134.5	136.9	90.00	7,531.9	762.7	698.9	427.9	271.01	2.579		
15,173.6	7,460.0	15,238.3	7,494.0	135.8	138.2	90.00	7,604.4	762.7	699.8	426.2	273.56	2.558 ES, 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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3H-22H-N268 - Hz - Plan #3													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
7,500.0	7,384.4	7,605.1	7,513.5	13.3	14.1	95.03	-75.4	1,125.3	996.6	970.3	26.28	37.918		
7,600.0	7,426.2	7,718.9	7,568.2	13.5	14.6	95.97	24.2	1,121.4	993.0	966.1	26.89	36.922		
7,700.0	7,451.7	7,834.3	7,602.4	13.9	15.3	96.63	134.1	1,118.1	990.2	962.2	27.99	35.374		
7,800.0	7,460.0	7,950.5	7,614.0	14.5	16.2	96.98	249.5	1,115.6	988.1	958.5	29.57	33.418		
7,900.0	7,460.0	8,050.5	7,614.0	15.3	17.2	96.99	349.4	1,113.9	986.4	955.0	31.36	31.456		
8,000.0	7,460.0	8,150.4	7,614.0	16.2	18.2	97.00	449.4	1,112.1	984.6	951.2	33.40	29.482		
8,100.0	7,460.0	8,250.4	7,614.0	17.3	19.4	97.01	549.4	1,110.4	982.9	947.2	35.66	27.560		
8,200.0	7,460.0	8,350.4	7,614.0	18.5	20.7	97.03	649.3	1,108.6	981.1	943.0	38.11	25.743		
8,300.0	7,460.0	8,450.4	7,614.0	19.7	22.0	97.04	749.3	1,106.9	979.4	938.7	40.71	24.055		
8,400.0	7,460.0	8,550.4	7,614.0	21.0	23.4	97.05	849.3	1,105.1	977.7	934.2	43.44	22.506		
8,500.0	7,460.0	8,650.4	7,614.0	22.4	24.8	97.06	949.3	1,103.4	975.9	929.7	46.27	21.093		
8,600.0	7,460.0	8,750.4	7,614.0	23.9	26.3	97.08	1,049.2	1,101.6	974.2	925.0	49.18	19.809		
8,700.0	7,460.0	8,850.3	7,614.0	25.3	27.8	97.09	1,149.2	1,099.9	972.5	920.3	52.16	18.644		
8,800.0	7,460.0	8,950.3	7,614.0	26.8	29.3	97.10	1,249.2	1,098.1	970.7	915.5	55.20	17.586		
8,900.0	7,460.0	9,050.3	7,614.0	28.4	30.8	97.11	1,349.1	1,096.4	969.0	910.7	58.29	16.624		
9,000.0	7,460.0	9,150.3	7,614.0	29.9	32.4	97.13	1,449.1	1,094.6	967.2	905.8	61.42	15.748		
9,100.0	7,460.0	9,250.3	7,614.0	31.5	34.0	97.14	1,549.1	1,092.9	965.5	900.9	64.59	14.949		
9,200.0	7,460.0	9,350.3	7,614.0	33.1	35.6	97.15	1,649.0	1,091.1	963.9	896.1	67.81	14.216		
9,300.0	7,460.0	9,450.3	7,614.0	34.7	37.2	97.16	1,749.0	1,089.4	963.4	892.4	71.04	13.562		
9,400.0	7,460.0	9,550.3	7,614.0	36.4	38.9	97.16	1,849.0	1,087.6	962.9	888.6	74.28	12.962		
9,500.0	7,460.0	9,650.3	7,614.0	38.0	40.5	97.16	1,949.0	1,085.9	962.3	884.8	77.55	12.409		
9,600.0	7,460.0	9,750.3	7,614.0	39.6	42.2	97.17	2,049.0	1,084.1	961.8	880.9	80.84	11.897		
9,700.0	7,460.0	9,850.3	7,614.0	41.3	43.8	97.17	2,149.0	1,082.4	961.2	877.1	84.14	11.424		
9,800.0	7,460.0	9,950.3	7,614.0	43.0	45.5	97.18	2,248.9	1,080.6	960.7	873.2	87.46	10.985		
9,900.0	7,460.0	10,050.3	7,614.0	44.6	47.2	97.18	2,348.9	1,078.9	960.1	869.4	90.79	10.576		
10,000.0	7,460.0	10,150.3	7,614.0	46.3	48.8	97.18	2,448.9	1,077.1	959.6	865.5	94.12	10.195		
10,100.0	7,460.0	10,250.3	7,614.0	48.0	50.5	97.19	2,548.9	1,075.4	959.1	861.6	97.47	9.839		
10,200.0	7,460.0	10,350.3	7,614.0	49.7	52.2	97.19	2,648.9	1,073.6	958.5	857.7	100.83	9.506		
10,300.0	7,460.0	10,450.3	7,614.0	51.4	53.9	97.20	2,748.9	1,071.9	958.0	853.8	104.20	9.194		
10,400.0	7,460.0	10,550.2	7,614.0	53.1	55.6	97.20	2,848.8	1,070.1	957.4	849.9	107.57	8.900		
10,500.0	7,460.0	10,650.2	7,614.0	54.8	57.3	97.20	2,948.8	1,068.4	956.9	845.9	110.95	8.624		
10,600.0	7,460.0	10,750.2	7,614.0	56.5	59.0	97.21	3,048.8	1,066.6	956.3	842.0	114.34	8.364		
10,700.0	7,460.0	10,850.2	7,614.0	58.2	60.7	97.21	3,148.8	1,064.9	955.8	838.1	117.73	8.119		
10,800.0	7,460.0	10,950.2	7,614.0	59.9	62.4	97.22	3,248.8	1,063.1	955.3	834.1	121.12	7.887		
10,900.0	7,460.0	11,050.2	7,614.0	61.6	64.1	97.22	3,348.8	1,061.4	954.7	830.2	124.52	7.667		
11,000.0	7,460.0	11,150.2	7,614.0	63.3	65.8	97.22	3,448.7	1,059.6	954.2	826.2	127.93	7.459		
11,100.0	7,460.0	11,250.2	7,614.0	65.0	67.6	97.23	3,548.7	1,057.9	953.6	822.3	131.34	7.261		
11,200.0	7,460.0	11,350.2	7,614.0	66.7	69.3	97.23	3,648.7	1,056.1	953.1	818.3	134.75	7.073		
11,300.0	7,460.0	11,450.2	7,614.0	68.5	71.0	97.24	3,748.7	1,054.4	952.5	814.4	138.17	6.894		
11,400.0	7,460.0	11,550.2	7,614.0	70.2	72.7	97.24	3,848.7	1,052.6	952.0	810.4	141.58	6.724		
11,500.0	7,460.0	11,650.2	7,614.0	71.9	74.4	97.25	3,948.7	1,050.8	951.5	806.5	145.01	6.562		
11,600.0	7,460.0	11,750.2	7,614.0	73.6	76.2	97.25	4,048.6	1,049.1	950.9	802.5	148.43	6.407		
11,700.0	7,460.0	11,850.2	7,614.0	75.4	77.9	97.25	4,148.6	1,047.3	950.4	798.5	151.86	6.258		
11,800.0	7,460.0	11,950.2	7,614.0	77.1	79.6	97.26	4,248.6	1,045.6	949.8	794.5	155.29	6.117		
11,900.0	7,460.0	12,050.2	7,614.0	78.8	81.3	97.26	4,348.6	1,043.8	949.3	790.6	158.72	5.981		
12,000.0	7,460.0	12,150.2	7,614.0	80.5	83.1	97.27	4,448.6	1,042.1	948.7	786.6	162.15	5.851		
12,100.0	7,460.0	12,250.2	7,614.0	82.3	84.8	97.27	4,548.6	1,040.3	948.2	782.6	165.58	5.726		
12,200.0	7,460.0	12,350.2	7,614.0	84.0	86.5	97.27	4,648.5	1,038.6	947.7	778.6	169.02	5.607		
12,300.0	7,460.0	12,450.2	7,614.0	85.7	88.3	97.28	4,748.5	1,036.8	947.1	774.7	172.46	5.492		
12,400.0	7,460.0	12,550.2	7,614.0	87.5	90.0	97.28	4,848.5	1,035.1	946.6	770.7	175.90	5.381		
12,500.0	7,460.0	12,650.2	7,614.0	89.2	91.7	97.29	4,948.5	1,033.3	946.0	766.7	179.34	5.275		
12,600.0	7,460.0	12,750.2	7,614.0	90.9	93.5	97.29	5,048.5	1,031.6	945.5	762.7	182.78	5.173		

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 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design S22-T2N-R68W (Jillson-East Rinn) - Jillson-East Rinn 3H-22H-N268 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
12,700.0	7,460.0	12,850.2	7,614.0	92.7	95.2	97.30	5,148.5	1,029.8	944.9	758.7	186.23	5.074		
12,800.0	7,460.0	12,950.2	7,614.0	94.4	96.9	97.30	5,248.4	1,028.1	944.4	754.7	189.67	4.979		
12,900.0	7,460.0	13,050.2	7,614.0	96.1	98.7	97.30	5,348.4	1,026.3	943.9	750.7	193.12	4.887		
13,000.0	7,460.0	13,150.2	7,614.0	97.9	100.4	97.31	5,448.4	1,024.6	943.3	746.8	196.57	4.799		
13,100.0	7,460.0	13,250.2	7,614.0	99.6	102.1	97.31	5,548.4	1,022.8	942.8	742.8	200.01	4.714		
13,200.0	7,460.0	13,350.2	7,614.0	101.4	103.9	97.32	5,648.4	1,021.1	942.2	738.8	203.46	4.631		
13,300.0	7,460.0	13,450.2	7,614.0	103.1	105.6	97.32	5,748.4	1,019.3	941.7	734.8	206.91	4.551		
13,400.0	7,460.0	13,550.2	7,614.0	104.8	107.4	97.33	5,848.3	1,017.6	941.1	730.8	210.36	4.474		
13,500.0	7,460.0	13,650.2	7,614.0	106.6	109.1	97.33	5,948.3	1,015.8	940.6	726.8	213.82	4.399		
13,600.0	7,460.0	13,750.2	7,614.0	108.3	110.8	97.33	6,048.3	1,014.1	940.1	722.8	217.27	4.327		
13,700.0	7,460.0	13,850.2	7,614.0	110.1	112.6	97.34	6,148.3	1,012.3	939.5	718.8	220.72	4.257		
13,730.2	7,460.0	13,875.3	7,614.0	110.6	113.0	97.34	6,173.4	1,011.9	939.4	717.7	221.68	4.238 CC		
13,800.0	7,460.0	13,928.0	7,614.0	111.8	113.9	97.34	6,226.1	1,011.8	940.0	716.3	223.79	4.200 ES		
13,900.0	7,460.0	14,000.0	7,614.0	113.5	115.2	97.32	6,298.1	1,013.1	943.2	716.4	226.78	4.159		
14,000.0	7,460.0	14,078.6	7,614.0	115.3	116.5	97.28	6,376.6	1,016.7	948.9	719.0	229.88	4.128		
14,100.0	7,460.0	14,159.6	7,614.0	117.0	117.9	97.23	6,457.4	1,022.5	957.1	724.1	233.03	4.107		
14,200.0	7,460.0	14,259.2	7,614.0	118.8	119.7	97.16	6,556.7	1,030.3	966.1	729.6	236.51	4.085		
14,300.0	7,460.0	14,358.8	7,614.0	120.5	121.4	97.10	6,656.0	1,038.1	975.1	735.1	239.99	4.063		
14,400.0	7,460.0	14,458.4	7,614.0	122.3	123.1	97.03	6,755.3	1,045.9	984.1	740.6	243.48	4.042		
14,500.0	7,460.0	14,558.0	7,614.0	124.0	124.8	96.97	6,854.5	1,053.8	993.1	746.1	246.96	4.021 SF		



# Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

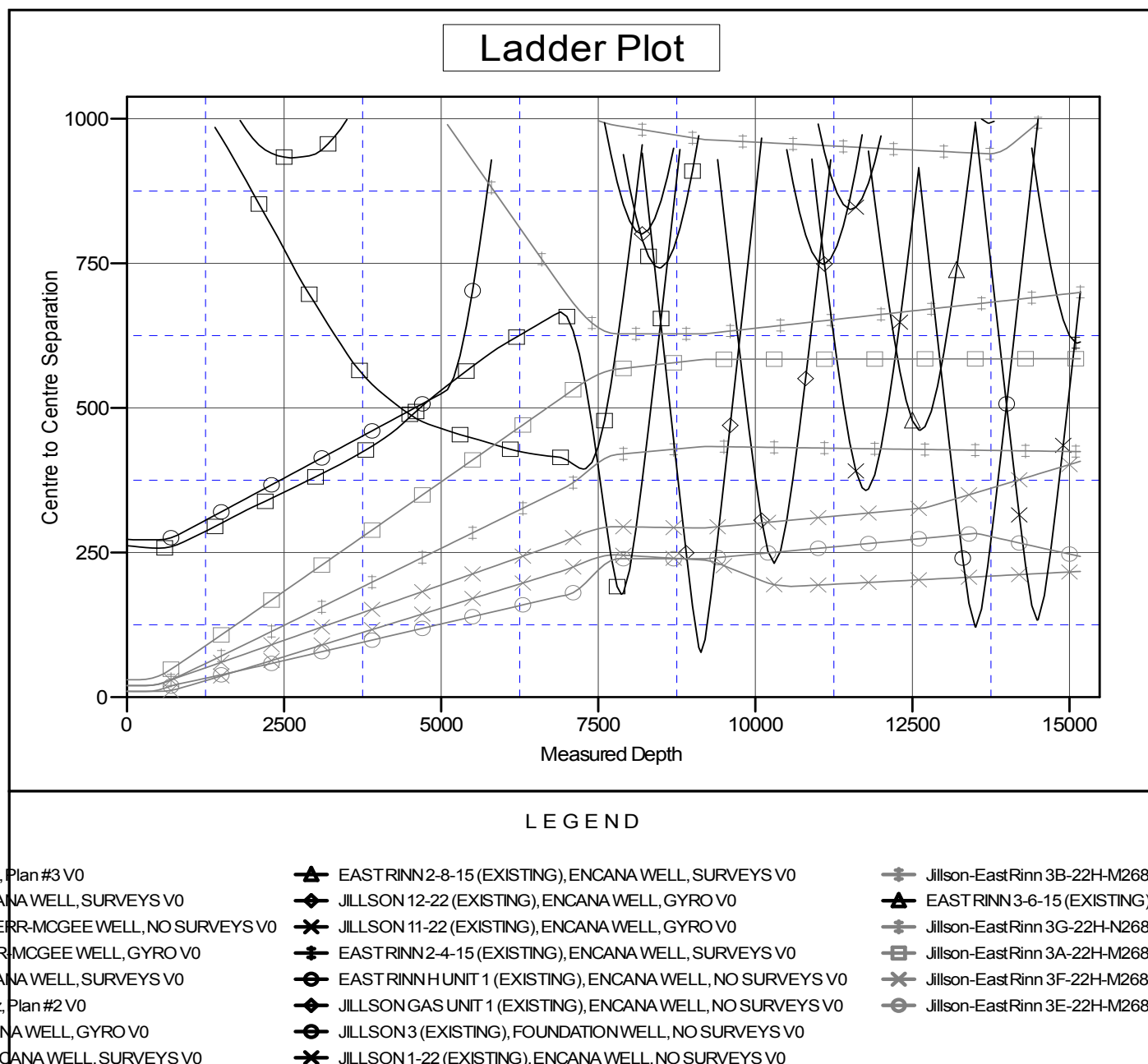
Offset Design S22-T2N-R68W (Jillson-East Rinn) - NYGREN 12-22 (EXISTING) - KERR-MCGEE WELL - GYRO										Offset Site Error:		0.0 ft	
Survey Program: 100-Geolink MWD										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
8,200.0	7,460.0	7,421.1	7,416.4	18.5	13.2	91.74	1,569.7	212.3	940.6	909.3	31.26	30.091	
8,300.0	7,460.0	7,420.9	7,416.1	19.7	13.2	91.58	1,569.7	212.3	841.0	808.4	32.53	25.854	
8,400.0	7,460.0	7,420.6	7,415.9	21.0	13.2	91.43	1,569.7	212.3	741.4	707.6	33.87	21.893	
8,500.0	7,460.0	7,420.4	7,415.7	22.4	13.2	91.27	1,569.7	212.3	642.1	606.8	35.26	18.207	
8,600.0	7,460.0	7,420.2	7,415.5	23.9	13.2	91.11	1,569.7	212.3	542.9	506.2	36.71	14.790	
8,700.0	7,460.0	7,420.0	7,415.3	25.3	13.2	90.95	1,569.7	212.4	444.2	406.0	38.19	11.630	
8,800.0	7,460.0	7,419.8	7,415.1	26.8	13.2	90.78	1,569.7	212.4	346.1	306.4	39.71	8.717	
8,900.0	7,460.0	7,419.6	7,414.8	28.4	13.2	90.62	1,569.7	212.4	249.7	208.4	41.25	6.052	
9,000.0	7,460.0	7,419.3	7,414.6	29.9	13.2	90.45	1,569.7	212.4	157.7	114.8	42.82	3.682	
9,100.0	7,460.0	7,419.1	7,414.4	31.5	13.2	90.29	1,569.7	212.4	85.9	41.5	44.41	1.935	
9,137.1	7,460.0	7,419.0	7,414.3	32.1	13.2	90.23	1,569.7	212.4	77.4	32.4	45.00	1.721	CC, ES, SF
9,200.0	7,460.0	7,418.9	7,414.2	33.1	13.2	90.12	1,569.7	212.4	99.7	53.7	45.99	2.167	
9,300.0	7,460.0	7,418.7	7,413.9	34.7	13.2	89.96	1,569.7	212.4	180.7	133.1	47.61	3.795	
9,400.0	7,460.0	7,418.4	7,413.7	36.4	13.2	89.79	1,569.7	212.4	274.5	225.3	49.24	5.575	
9,500.0	7,460.0	7,418.2	7,413.5	38.0	13.2	89.62	1,569.7	212.4	371.6	320.7	50.88	7.303	
9,600.0	7,460.0	7,418.0	7,413.3	39.6	13.2	89.45	1,569.7	212.4	469.9	417.3	52.53	8.945	
9,700.0	7,460.0	7,417.7	7,413.0	41.3	13.2	89.28	1,569.7	212.4	568.7	514.6	54.19	10.496	
9,800.0	7,460.0	7,417.5	7,412.8	43.0	13.2	89.11	1,569.7	212.4	668.0	612.1	55.85	11.960	
9,900.0	7,460.0	7,417.3	7,412.6	44.6	13.2	88.93	1,569.7	212.4	767.4	709.9	57.52	13.341	
10,000.0	7,460.0	7,417.1	7,412.3	46.3	13.2	88.76	1,569.7	212.4	866.9	807.7	59.20	14.645	
10,100.0	7,460.0	7,416.8	7,412.1	48.0	13.2	88.58	1,569.7	212.4	966.6	905.7	60.88	15.877	

## Anticollision Report

<b>Company:</b>	EnCana Oil & Gas (USA) Inc	<b>Local Co-ordinate Reference:</b>	Well Jillson-East Rinn 3D-22H-M268
<b>Project:</b>	DJ Wattenberg	<b>TVD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Reference Site:</b>	S22-T2N-R68W (Jillson-East Rinn)	<b>MD Reference:</b>	13' KB @ 4966.0ft (Ensign 124)
<b>Site Error:</b>	0.0ft	<b>North Reference:</b>	True
<b>Reference Well:</b>	Jillson-East Rinn 3D-22H-M268	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.0ft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	Hz	<b>Database:</b>	USA EDM 5000 Multi Users DB
<b>Reference Design:</b>	Plan #2	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to 13' KB @ 4966.0ft (Ensign 124)  
 Offset Depths are relative to Offset Datum  
 Central Meridian is -105.500000 °

Coordinates are relative to: Jillson-East Rinn 3D-22H-M268  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.33°



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