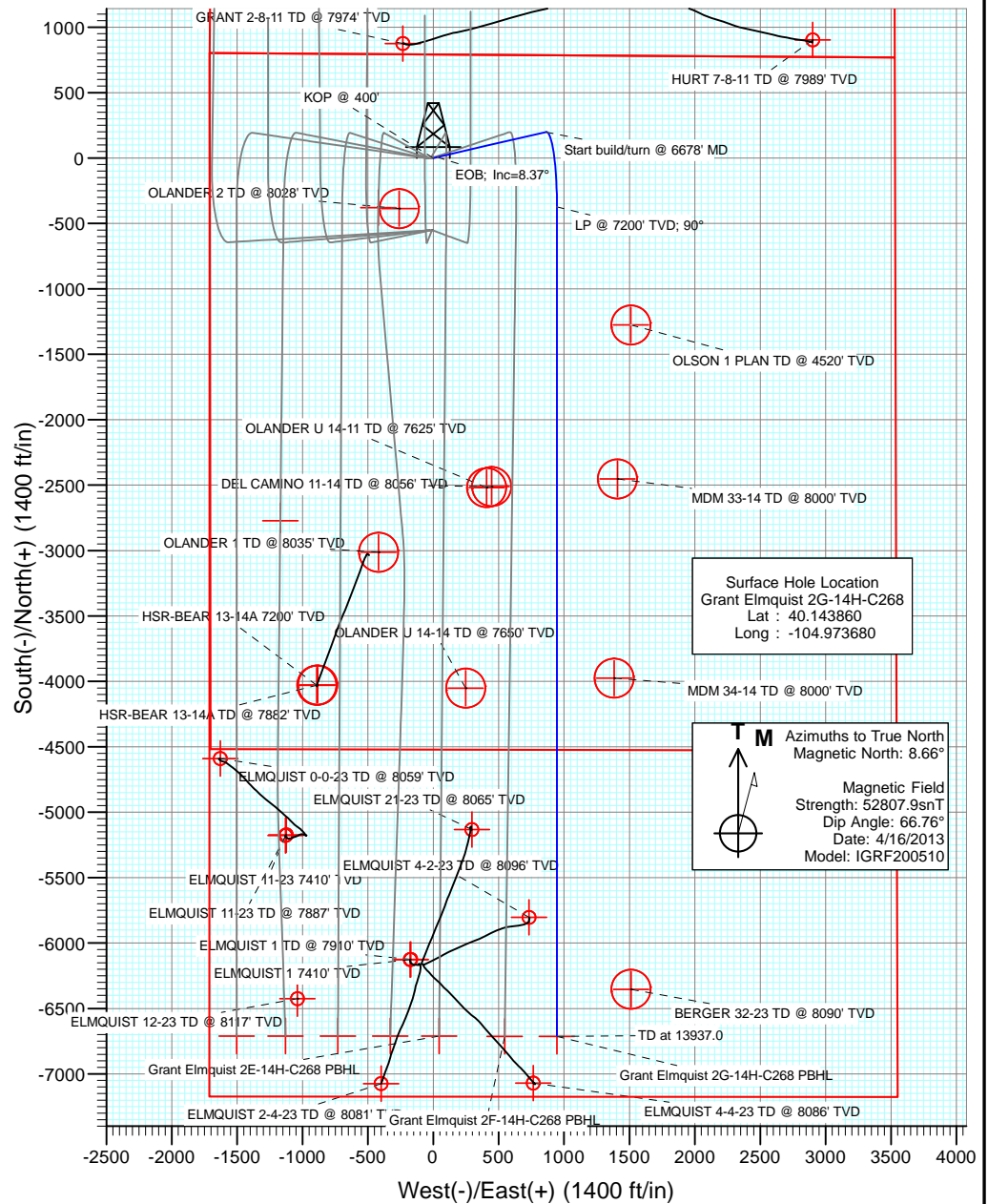
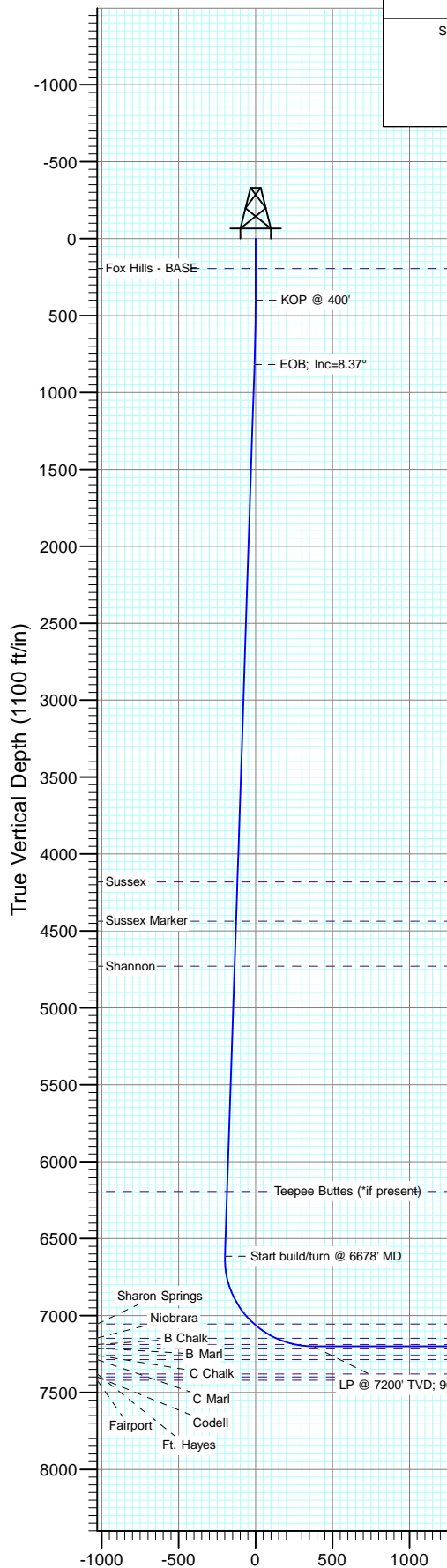




Project: DJ Wattenberg
Site: S14-T2N-R68W (Grant Elmquist/Salisbury)
Well: Grant Elmquist 2G-14H-C268
Wellbore: Hz
Design: Plan #2



SECTION DETAILS											Annotation
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		KOP @ 400'
2	400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0		EOB, Inc=8.37°
3	818.7	8.37	76.99	817.2	6.9	29.8	2.00	76.99	-6.9		Start build/turn @ 6678' MD
4	6678.2	8.37	76.99	6614.3	199.0	861.2	0.00	0.00	-199.0		LP @ 7200' TVD; 90°
5	7597.0	90.00	180.00	7200.0	-373.7	945.2	10.00	102.88	373.7		
6	13937.0	90.00	180.00	7200.0	-6713.7	945.2	0.00	0.00	6713.7	Grant Elmquist 2G-14H-C268 PBH LTD at 13937.0	



DESIGN TARGET DETAILS						
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Grant Elmquist 2G-14H-C268 PBHL	-6713.7	945.2	1288983.01	3148129.84	40.125430	-104.970300

Plan #2
Grant Elmquist 2G-14H-C268
13xxx: LR
WELL @ 4905.0ft (Original Well Elev)
Ground Elevation @ 4881.0
North American Datum 1983
Well Grant Elmquist 2G-14H-C268, True North

Vertical Section at 180.00° (1100 ft/in)

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	North Reference:	True
Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

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

Site		S14-T2N-R68W (Grant Elmquist/Salisbury)			
Site Position:		Northing:	1,295,686.81 ft	Latitude:	40.143850
From:	Lat/Long	Easting:	3,147,060.98 ft	Longitude:	-104.973980
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.34 °

Well	Grant Elmquist 2G-14H-C268					
Well Position	+N/-S	0.0 ft	Northing:	1,295,690.94 ft	Latitude:	40.143860
	+E/-W	0.0 ft	Easting:	3,147,144.83 ft	Longitude:	-104.973680
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,881.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	4/16/2013	8.66	66.76	52,808

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	180.00

Plan Sections										
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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
818.7	8.37	76.99	817.2	6.9	29.8	2.00	2.00	0.00	76.99	
6,678.2	8.37	76.99	6,614.3	199.0	861.2	0.00	0.00	0.00	0.00	
7,597.0	90.00	180.00	7,200.0	-373.7	945.2	10.00	8.88	11.21	102.88	
13,937.0	90.00	180.00	7,200.0	-6,713.7	945.2	0.00	0.00	0.00	0.00	Grant Elmquist 2G-14

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	North Reference:	True
Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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	
194.0	0.00	0.00	194.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	KOP @ 400'
500.0	2.00	76.99	500.0	0.4	1.7	-0.4	2.00	2.00	
600.0	4.00	76.99	599.8	1.6	6.8	-1.6	2.00	2.00	
700.0	6.00	76.99	699.5	3.5	15.3	-3.5	2.00	2.00	
800.0	8.00	76.99	798.7	6.3	27.2	-6.3	2.00	2.00	
818.7	8.37	76.99	817.2	6.9	29.8	-6.9	2.00	2.00	EOB; Inc=8.37°
900.0	8.37	76.99	897.6	9.5	41.3	-9.5	0.00	0.00	
1,000.0	8.37	76.99	996.6	12.8	55.5	-12.8	0.00	0.00	
1,100.0	8.37	76.99	1,095.5	16.1	69.7	-16.1	0.00	0.00	
1,200.0	8.37	76.99	1,194.4	19.4	83.9	-19.4	0.00	0.00	
1,300.0	8.37	76.99	1,293.4	22.7	98.1	-22.7	0.00	0.00	
1,400.0	8.37	76.99	1,392.3	25.9	112.2	-25.9	0.00	0.00	
1,500.0	8.37	76.99	1,491.2	29.2	126.4	-29.2	0.00	0.00	
1,600.0	8.37	76.99	1,590.2	32.5	140.6	-32.5	0.00	0.00	
1,700.0	8.37	76.99	1,689.1	35.8	154.8	-35.8	0.00	0.00	
1,800.0	8.37	76.99	1,788.0	39.0	169.0	-39.0	0.00	0.00	
1,900.0	8.37	76.99	1,887.0	42.3	183.2	-42.3	0.00	0.00	
2,000.0	8.37	76.99	1,985.9	45.6	197.4	-45.6	0.00	0.00	
2,100.0	8.37	76.99	2,084.9	48.9	211.6	-48.9	0.00	0.00	
2,200.0	8.37	76.99	2,183.8	52.2	225.8	-52.2	0.00	0.00	
2,300.0	8.37	76.99	2,282.7	55.4	239.9	-55.4	0.00	0.00	
2,400.0	8.37	76.99	2,381.7	58.7	254.1	-58.7	0.00	0.00	
2,500.0	8.37	76.99	2,480.6	62.0	268.3	-62.0	0.00	0.00	
2,600.0	8.37	76.99	2,579.5	65.3	282.5	-65.3	0.00	0.00	
2,700.0	8.37	76.99	2,678.5	68.6	296.7	-68.6	0.00	0.00	
2,800.0	8.37	76.99	2,777.4	71.8	310.9	-71.8	0.00	0.00	
2,900.0	8.37	76.99	2,876.3	75.1	325.1	-75.1	0.00	0.00	
3,000.0	8.37	76.99	2,975.3	78.4	339.3	-78.4	0.00	0.00	
3,100.0	8.37	76.99	3,074.2	81.7	353.5	-81.7	0.00	0.00	
3,200.0	8.37	76.99	3,173.1	85.0	367.6	-85.0	0.00	0.00	
3,300.0	8.37	76.99	3,272.1	88.2	381.8	-88.2	0.00	0.00	
3,400.0	8.37	76.99	3,371.0	91.5	396.0	-91.5	0.00	0.00	
3,500.0	8.37	76.99	3,469.9	94.8	410.2	-94.8	0.00	0.00	
3,600.0	8.37	76.99	3,568.9	98.1	424.4	-98.1	0.00	0.00	
3,700.0	8.37	76.99	3,667.8	101.3	438.6	-101.3	0.00	0.00	
3,800.0	8.37	76.99	3,766.7	104.6	452.8	-104.6	0.00	0.00	
3,900.0	8.37	76.99	3,865.7	107.9	467.0	-107.9	0.00	0.00	
4,000.0	8.37	76.99	3,964.6	111.2	481.2	-111.2	0.00	0.00	
4,100.0	8.37	76.99	4,063.5	114.5	495.3	-114.5	0.00	0.00	
4,200.0	8.37	76.99	4,162.5	117.7	509.5	-117.7	0.00	0.00	
4,219.7	8.37	76.99	4,182.0	118.4	512.3	-118.4	0.00	0.00	Sussex
4,300.0	8.37	76.99	4,261.4	121.0	523.7	-121.0	0.00	0.00	
4,400.0	8.37	76.99	4,360.3	124.3	537.9	-124.3	0.00	0.00	
4,476.5	8.37	76.99	4,436.0	126.8	548.8	-126.8	0.00	0.00	Sussex Marker
4,500.0	8.37	76.99	4,459.3	127.6	552.1	-127.6	0.00	0.00	
4,600.0	8.37	76.99	4,558.2	130.9	566.3	-130.9	0.00	0.00	
4,700.0	8.37	76.99	4,657.1	134.1	580.5	-134.1	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	North Reference:	True
Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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
4,772.6	8.37	76.99	4,729.0	136.5	590.8	-136.5	0.00	0.00	Shannon
4,800.0	8.37	76.99	4,756.1	137.4	594.7	-137.4	0.00	0.00	
4,900.0	8.37	76.99	4,855.0	140.7	608.9	-140.7	0.00	0.00	
5,000.0	8.37	76.99	4,953.9	144.0	623.0	-144.0	0.00	0.00	
5,100.0	8.37	76.99	5,052.9	147.2	637.2	-147.2	0.00	0.00	
5,200.0	8.37	76.99	5,151.8	150.5	651.4	-150.5	0.00	0.00	
5,300.0	8.37	76.99	5,250.7	153.8	665.6	-153.8	0.00	0.00	
5,400.0	8.37	76.99	5,349.7	157.1	679.8	-157.1	0.00	0.00	
5,500.0	8.37	76.99	5,448.6	160.4	694.0	-160.4	0.00	0.00	
5,600.0	8.37	76.99	5,547.5	163.6	708.2	-163.6	0.00	0.00	
5,700.0	8.37	76.99	5,646.5	166.9	722.4	-166.9	0.00	0.00	
5,800.0	8.37	76.99	5,745.4	170.2	736.6	-170.2	0.00	0.00	
5,900.0	8.37	76.99	5,844.3	173.5	750.8	-173.5	0.00	0.00	
6,000.0	8.37	76.99	5,943.3	176.8	764.9	-176.8	0.00	0.00	
6,100.0	8.37	76.99	6,042.2	180.0	779.1	-180.0	0.00	0.00	
6,200.0	8.37	76.99	6,141.1	183.3	793.3	-183.3	0.00	0.00	
6,253.4	8.37	76.99	6,194.0	185.1	800.9	-185.1	0.00	0.00	Teepee Buttes (*if present)
6,300.0	8.37	76.99	6,240.1	186.6	807.5	-186.6	0.00	0.00	
6,400.0	8.37	76.99	6,339.0	189.9	821.7	-189.9	0.00	0.00	
6,500.0	8.37	76.99	6,437.9	193.1	835.9	-193.1	0.00	0.00	
6,600.0	8.37	76.99	6,536.9	196.4	850.1	-196.4	0.00	0.00	
6,678.2	8.37	76.99	6,614.3	199.0	861.2	-199.0	0.00	0.00	Start build/turn @ 6678' MD
6,700.0	8.17	92.12	6,635.8	199.3	864.3	-199.3	10.00	-0.95	
6,800.0	13.11	142.00	6,734.3	190.1	878.4	-190.1	10.00	4.95	
6,900.0	21.82	159.00	6,829.6	163.7	892.1	-163.7	10.00	8.70	
7,000.0	31.28	166.34	6,919.0	121.0	904.9	-121.0	10.00	9.46	
7,100.0	40.98	170.50	6,999.7	63.3	916.4	-63.3	10.00	9.70	
7,178.0	48.62	172.74	7,055.0	9.0	924.4	-9.0	10.00	9.79	Sharon Springs
7,200.0	50.78	173.28	7,069.2	-7.7	926.4	7.7	10.00	9.83	
7,300.0	60.63	175.37	7,125.5	-89.8	934.5	89.8	10.00	9.85	
7,349.7	65.54	176.26	7,148.0	-134.0	937.7	134.0	10.00	9.87	Niobrara
7,400.0	70.51	177.09	7,166.8	-180.5	940.4	180.5	10.00	9.88	
7,478.9	78.31	178.30	7,188.0	-256.4	943.5	256.4	10.00	9.89	B Chalk
7,500.0	80.40	178.61	7,191.9	-277.1	944.0	277.1	10.00	9.90	
7,597.0	90.00	180.00	7,200.0	-373.7	945.2	373.7	10.00	9.90	LP @ 7200' TVD; 90°
7,600.0	90.00	180.00	7,200.0	-376.7	945.2	376.7	0.00	0.00	
7,700.0	90.00	180.00	7,200.0	-476.7	945.2	476.7	0.00	0.00	
7,800.0	90.00	180.00	7,200.0	-576.7	945.2	576.7	0.00	0.00	
7,900.0	90.00	180.00	7,200.0	-676.7	945.2	676.7	0.00	0.00	
8,000.0	90.00	180.00	7,200.0	-776.7	945.2	776.7	0.00	0.00	
8,100.0	90.00	180.00	7,200.0	-876.7	945.2	876.7	0.00	0.00	
8,200.0	90.00	180.00	7,200.0	-976.7	945.2	976.7	0.00	0.00	
8,300.0	90.00	180.00	7,200.0	-1,076.7	945.2	1,076.7	0.00	0.00	
8,400.0	90.00	180.00	7,200.0	-1,176.7	945.2	1,176.7	0.00	0.00	
8,500.0	90.00	180.00	7,200.0	-1,276.7	945.2	1,276.7	0.00	0.00	
8,600.0	90.00	180.00	7,200.0	-1,376.7	945.2	1,376.7	0.00	0.00	
8,700.0	90.00	180.00	7,200.0	-1,476.7	945.2	1,476.7	0.00	0.00	
8,800.0	90.00	180.00	7,200.0	-1,576.7	945.2	1,576.7	0.00	0.00	
8,900.0	90.00	180.00	7,200.0	-1,676.7	945.2	1,676.7	0.00	0.00	
9,000.0	90.00	180.00	7,200.0	-1,776.7	945.2	1,776.7	0.00	0.00	
9,100.0	90.00	180.00	7,200.0	-1,876.7	945.2	1,876.7	0.00	0.00	
9,200.0	90.00	180.00	7,200.0	-1,976.7	945.2	1,976.7	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	North Reference:	True
Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	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
9,300.0	90.00	180.00	7,200.0	-2,076.7	945.2	2,076.7	0.00	0.00	
9,400.0	90.00	180.00	7,200.0	-2,176.7	945.2	2,176.7	0.00	0.00	
9,500.0	90.00	180.00	7,200.0	-2,276.7	945.2	2,276.7	0.00	0.00	
9,600.0	90.00	180.00	7,200.0	-2,376.7	945.2	2,376.7	0.00	0.00	
9,700.0	90.00	180.00	7,200.0	-2,476.7	945.2	2,476.7	0.00	0.00	
9,800.0	90.00	180.00	7,200.0	-2,576.7	945.2	2,576.7	0.00	0.00	
9,900.0	90.00	180.00	7,200.0	-2,676.7	945.2	2,676.7	0.00	0.00	
10,000.0	90.00	180.00	7,200.0	-2,776.7	945.2	2,776.7	0.00	0.00	
10,100.0	90.00	180.00	7,200.0	-2,876.7	945.2	2,876.7	0.00	0.00	
10,200.0	90.00	180.00	7,200.0	-2,976.7	945.2	2,976.7	0.00	0.00	
10,300.0	90.00	180.00	7,200.0	-3,076.7	945.2	3,076.7	0.00	0.00	
10,400.0	90.00	180.00	7,200.0	-3,176.7	945.2	3,176.7	0.00	0.00	
10,500.0	90.00	180.00	7,200.0	-3,276.7	945.2	3,276.7	0.00	0.00	
10,600.0	90.00	180.00	7,200.0	-3,376.7	945.2	3,376.7	0.00	0.00	
10,700.0	90.00	180.00	7,200.0	-3,476.7	945.2	3,476.7	0.00	0.00	
10,800.0	90.00	180.00	7,200.0	-3,576.7	945.2	3,576.7	0.00	0.00	
10,900.0	90.00	180.00	7,200.0	-3,676.7	945.2	3,676.7	0.00	0.00	
11,000.0	90.00	180.00	7,200.0	-3,776.7	945.2	3,776.7	0.00	0.00	
11,100.0	90.00	180.00	7,200.0	-3,876.7	945.2	3,876.7	0.00	0.00	
11,200.0	90.00	180.00	7,200.0	-3,976.7	945.2	3,976.7	0.00	0.00	
11,300.0	90.00	180.00	7,200.0	-4,076.7	945.2	4,076.7	0.00	0.00	
11,400.0	90.00	180.00	7,200.0	-4,176.7	945.2	4,176.7	0.00	0.00	
11,500.0	90.00	180.00	7,200.0	-4,276.7	945.2	4,276.7	0.00	0.00	
11,600.0	90.00	180.00	7,200.0	-4,376.7	945.2	4,376.7	0.00	0.00	
11,700.0	90.00	180.00	7,200.0	-4,476.7	945.2	4,476.7	0.00	0.00	
11,800.0	90.00	180.00	7,200.0	-4,576.7	945.2	4,576.7	0.00	0.00	
11,900.0	90.00	180.00	7,200.0	-4,676.7	945.2	4,676.7	0.00	0.00	
12,000.0	90.00	180.00	7,200.0	-4,776.7	945.2	4,776.7	0.00	0.00	
12,100.0	90.00	180.00	7,200.0	-4,876.7	945.2	4,876.7	0.00	0.00	
12,200.0	90.00	180.00	7,200.0	-4,976.7	945.2	4,976.7	0.00	0.00	
12,300.0	90.00	180.00	7,200.0	-5,076.7	945.2	5,076.7	0.00	0.00	
12,400.0	90.00	180.00	7,200.0	-5,176.7	945.2	5,176.7	0.00	0.00	
12,500.0	90.00	180.00	7,200.0	-5,276.7	945.2	5,276.7	0.00	0.00	
12,600.0	90.00	180.00	7,200.0	-5,376.7	945.2	5,376.7	0.00	0.00	
12,700.0	90.00	180.00	7,200.0	-5,476.7	945.2	5,476.7	0.00	0.00	
12,800.0	90.00	180.00	7,200.0	-5,576.7	945.2	5,576.7	0.00	0.00	
12,900.0	90.00	180.00	7,200.0	-5,676.7	945.2	5,676.7	0.00	0.00	
13,000.0	90.00	180.00	7,200.0	-5,776.7	945.2	5,776.7	0.00	0.00	
13,100.0	90.00	180.00	7,200.0	-5,876.7	945.2	5,876.7	0.00	0.00	
13,200.0	90.00	180.00	7,200.0	-5,976.7	945.2	5,976.7	0.00	0.00	
13,300.0	90.00	180.00	7,200.0	-6,076.7	945.2	6,076.7	0.00	0.00	
13,400.0	90.00	180.00	7,200.0	-6,176.7	945.2	6,176.7	0.00	0.00	
13,500.0	90.00	180.00	7,200.0	-6,276.7	945.2	6,276.7	0.00	0.00	
13,600.0	90.00	180.00	7,200.0	-6,376.7	945.2	6,376.7	0.00	0.00	
13,700.0	90.00	180.00	7,200.0	-6,476.7	945.2	6,476.7	0.00	0.00	
13,800.0	90.00	180.00	7,200.0	-6,576.7	945.2	6,576.7	0.00	0.00	
13,900.0	90.00	180.00	7,200.0	-6,676.7	945.2	6,676.7	0.00	0.00	
13,937.0	90.00	180.00	7,200.0	-6,713.7	945.2	6,713.7	0.00	0.00	TD at 13937.0 - Grant Elmquist 2G-14H-C268 F

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	North Reference:	True
Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #2		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
Grant Elmquist 2G-14H-	0.00	0.00	7,200.0	-6,713.7	945.2	1,288,983.01	3,148,129.84	40.125430	-104.970300
- plan hits target center									
- Point									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
194.0	194.0	Fox Hills - BASE				
4,219.7	4,182.0	Sussex				
4,476.5	4,436.0	Sussex Marker				
4,772.6	4,729.0	Shannon				
6,253.4	6,194.0	Teepee Buttes (*if present)				
7,178.0	7,055.0	Sharon Springs				
7,349.7	7,148.0	Niobrara				
7,478.9	7,188.0	B Chalk				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(ft)	(ft)	+N/-S	+E/-W	Comment	
(ft)	(ft)	(ft)	(ft)		
400.0	400.0	0.0	0.0	KOP @ 400'	
818.7	817.2	6.9	29.8	EOB; Inc=8.37°	
6,678.2	6,614.3	199.0	861.2	Start build/turn @ 6678' MD	
7,597.0	7,200.0	-373.7	945.2	LP @ 7200' TVD; 90°	
13,937.0	7,200.0	-6,713.7	945.2	TD at 13937.0	

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S14-T2N-R68W (Grant Elmquist/Salisbury)

Grant Elmquist 2G-14H-C268

Hz

Plan #2

Anticollision Report

15 May, 2013

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference	Plan #2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,279.0ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program	Date	5/15/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
0.0	13,937.0	Plan #2 (Hz)	MWD	Geolink MWD

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation Factor	Warning
	Measured Depth (ft)	Measured Depth (ft)	Between Centres (ft)	Between Ellipses (ft)		
S14-T2N-R68W (Grant Elmquist/Salisbury)						
BERGER 32-23 (EXISTING) - EXISTING - NO SURVEY	13,576.3	7,197.0	566.2	439.9	4.482	CC, ES
BERGER 32-23 (EXISTING) - EXISTING - NO SURVEY	13,600.0	7,197.0	566.7	440.0	4.472	SF
DEL CAMINO 11-14 (EXISTING) - EXISTING - NO SURV	9,734.3	7,185.0	499.5	439.6	8.340	CC, ES
DEL CAMINO 11-14 (EXISTING) - EXISTING - NO SURV	9,800.0	7,185.0	503.8	442.8	8.258	SF
ELMQUIST 0-0-23 (EXISTING) - EXISTING - SURVEYS						Out of range
ELMQUIST 1 (EXISTING) - EXISTING - GYRO	13,351.4	7,213.6	1,122.3	1,006.1	9.662	CC, ES
ELMQUIST 1 (EXISTING) - EXISTING - GYRO	13,500.0	7,211.5	1,132.1	1,013.3	9.534	SF
ELMQUIST 11-23 (EXISTING) - EXISTING - GYRO						Out of range
ELMQUIST 12-23 (EXISTING) - EXISTING - NO SURVE						Out of range
ELMQUIST 21-23 (EXISTING) - EXISTING - SURVEYS	12,353.5	7,395.0	656.6	542.0	5.728	CC, ES
ELMQUIST 21-23 (EXISTING) - EXISTING - SURVEYS	12,400.0	7,396.0	658.2	542.8	5.702	SF
ELMQUIST 2-4-23 (EXISTING) - EXISTING - SURVEYS						Out of range
ELMQUIST 4-2-23 (EXISTING) - EXISTING - SURVEYS	13,033.4	7,317.9	209.8	91.3	1.771	CC, ES, SF
ELMQUIST 4-4-23 (EXISTING) - EXISTING - SURVEYS	13,937.0	7,411.0	399.6	258.9	2.840	CC, ES, SF
GRANT 23-11 (EXISTING) - EXISTING - SURVEYS						Out of range
GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS	3,862.5	4,009.6	895.1	861.7	26.747	CC
GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS	3,900.0	4,039.3	895.3	861.6	26.514	ES
GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS	4,500.0	4,589.5	938.7	901.0	24.920	SF
GRANT 3-6-11 (EXISTING) - EXISTING - SURVEYS						Out of range
Grant Elmquist 2A-14H-C268 - Hz - Plan #2	200.0	189.0	58.7	58.1	95.561	CC, ES
Grant Elmquist 2A-14H-C268 - Hz - Plan #2	500.0	482.2	74.5	72.9	45.171	SF
Grant Elmquist 2B-14H-C268 - Hz - Plan #2	300.0	289.0	50.3	49.4	52.232	CC, ES
Grant Elmquist 2B-14H-C268 - Hz - Plan #2	500.0	485.4	58.0	56.4	35.060	SF
Grant Elmquist 2C-14H-C268 - Hz - Plan #2	400.0	389.0	39.1	37.8	29.820	CC, ES
Grant Elmquist 2C-14H-C268 - Hz - Plan #2	500.0	487.8	42.1	40.5	25.398	SF
Grant Elmquist 2D-14H-C268 - Hz - Plan #2	400.0	389.0	30.8	29.4	23.430	CC, ES
Grant Elmquist 2D-14H-C268 - Hz - Plan #2	13,500.0	13,614.5	1,279.0	1,057.9	5.784	SF
Grant Elmquist 2E-14H-C268 - Hz - Plan #2	400.0	389.0	19.6	18.3	14.910	CC, ES
Grant Elmquist 2E-14H-C268 - Hz - Plan #2	13,937.0	13,857.1	900.5	660.5	3.753	SF
Grant Elmquist 2F-14H-C268 - Hz - Plan #2	400.0	389.0	11.2	9.9	8.520	CC, ES
Grant Elmquist 2F-14H-C268 - Hz - Plan #2	13,937.0	14,105.8	456.9	245.4	2.161	SF
Grant Salisbury 2A-14H-C268 - Hz - Plan #1	200.0	189.0	556.0	555.4	905.001	CC
Grant Salisbury 2A-14H-C268 - Hz - Plan #1	300.0	286.5	556.2	555.2	579.714	ES
Grant Salisbury 2A-14H-C268 - Hz - Plan #1	2,600.0	2,423.5	1,024.7	1,013.1	88.974	SF
Grant Salisbury 2B-14H-C268 - Hz - Plan #1	300.0	289.0	555.3	554.3	576.379	CC
Grant Salisbury 2B-14H-C268 - Hz - Plan #1	400.0	386.3	555.5	554.2	424.648	ES
Grant Salisbury 2B-14H-C268 - Hz - Plan #1	3,200.0	3,034.5	1,102.7	1,089.5	83.620	SF
Grant Salisbury 2C-14H-C268 - Hz - Plan #1	400.0	389.0	554.6	553.3	422.529	CC, ES
Grant Salisbury 2C-14H-C268 - Hz - Plan #1	4,400.0	4,239.9	1,262.1	1,245.3	74.905	SF
Grant Salisbury 2D-14H-C268 - Hz - Plan #1	400.0	389.0	554.2	552.8	422.223	CC, ES
Grant Salisbury 2D-14H-C268 - Hz - Plan #1	5,200.0	5,069.6	1,266.5	1,247.0	65.041	SF
Grant Salisbury 2E-14H-C268 - Hz - Plan #1	400.0	389.0	553.8	552.5	421.965	CC, ES
Grant Salisbury 2E-14H-C268 - Hz - Plan #1	8,200.0	6,950.0	1,114.2	1,080.5	33.109	SF
Grant Salisbury 2F-14H-C268 - Hz - Plan #1	400.0	389.0	553.7	552.4	421.884	CC, ES
Grant Salisbury 2F-14H-C268 - Hz - Plan #1	7,100.0	7,743.7	690.8	660.6	22.875	SF
HSR-BEAR 13-14A (EXISTING) - EXISTING - SURVEYS						Out of range
HURT 33-11 (EXISTING) - EXISTING - NO SURVEY						Out of range
HURT 34-11 (EXISTING) - EXISTING - SURVEYS	6,719.5	6,605.3	1,198.4	1,169.0	40.784	CC, ES, SF
HURT 43-11 (EXISTING) - EXISTING - SURVEYS						Out of range
HURT 7-8-11 (EXISTING) - EXISTING - SURVEYS						Out of range
MDM 33-14 (EXISTING) - EXISTING - NO SURVEYS	9,676.4	7,177.0	462.3	403.4	7.848	CC, ES
MDM 33-14 (EXISTING) - EXISTING - NO SURVEYS	9,700.0	7,177.0	462.9	403.6	7.806	SF
MDM 34-14 (EXISTING) - EXISTING - NO SURVEYS	11,198.7	7,186.0	437.2	352.2	5.144	CC

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	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						
S14-T2N-R68W (Grant Elmquist/Salisbury)						
MDM 34-14 (EXISTING) - EXISTING - NO SURVEYS	11,200.0	7,186.0	437.2	352.2	5.142	ES, SF
NELSON 1 (EXISTING) - EXISTING - NO SURVEYS						Out of range
NELSON 23-23C (EXISTING) - EXISTING - NO SURVEY						Out of range
OLANDER 1 (EXISTING) - EXISTING - NO SURVEYS						Out of range
OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS	400.0	382.0	467.0	465.7	352.980	CC, ES
OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS	8,000.0	7,182.0	1,267.6	1,235.4	39.338	SF
OLANDER U 14-11 (EXISTING) - EXISTING - NO SURV	9,742.7	7,185.0	537.5	477.5	8.953	CC, ES
OLANDER U 14-11 (EXISTING) - EXISTING - NO SURV	9,800.0	7,185.0	540.6	479.6	8.861	SF
OLANDER U 14-14 (EXISTING) - EXISTING - NO SURV	11,275.2	7,190.0	697.2	610.8	8.076	CC, ES
OLANDER U 14-14 (EXISTING) - EXISTING - NO SURV	11,400.0	7,190.0	708.2	619.8	8.004	SF
OLSON 1 (EXISTING) - PLAN ONLY - PLAN #1						Out of range
SALISBURY 1 (EXISTING) - EXISTING - GYRO						Out of range
SALISBURY 13-11 (EXISTING) - EXISTING - SURVEYS						Out of range
SALISBURY 14-11 (EXISTING) - EXISTING - SURVEYS						Out of range
SALISBURY 2-4-11 (EXISTING) - EXISTING - SURVEYS						Out of range

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - BERGER 32-23 (EXISTING) - EXISTING - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8090-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
12,500.0	7,200.0	7,197.0	7,197.0	96.5	12.6	-90.00	-6,353.0	1,511.4	1,216.2	1,108.6	107.59	11.304		
12,600.0	7,200.0	7,197.0	7,197.0	98.2	12.6	-90.00	-6,353.0	1,511.4	1,128.7	1,019.3	109.33	10.324		
12,700.0	7,200.0	7,197.0	7,197.0	99.9	12.6	-90.00	-6,353.0	1,511.4	1,043.4	932.3	111.07	9.394		
12,800.0	7,200.0	7,197.0	7,197.0	101.6	12.6	-90.00	-6,353.0	1,511.4	960.9	848.1	112.81	8.518		
12,900.0	7,200.0	7,197.0	7,197.0	103.3	12.6	-90.00	-6,353.0	1,511.4	882.1	767.5	114.55	7.701		
13,000.0	7,200.0	7,197.0	7,197.0	105.0	12.6	-90.00	-6,353.0	1,511.4	808.0	691.7	116.29	6.948		
13,100.0	7,200.0	7,197.0	7,197.0	106.8	12.6	-90.00	-6,353.0	1,511.4	740.0	621.9	118.03	6.269		
13,200.0	7,200.0	7,197.0	7,197.0	108.5	12.6	-90.00	-6,353.0	1,511.4	679.9	560.1	119.77	5.677		
13,300.0	7,200.0	7,197.0	7,197.0	110.2	12.6	-90.00	-6,353.0	1,511.4	630.1	508.6	121.51	5.185		
13,400.0	7,200.0	7,197.0	7,197.0	111.9	12.6	-90.00	-6,353.0	1,511.4	593.1	469.8	123.26	4.812		
13,500.0	7,200.0	7,197.0	7,197.0	113.7	12.6	-90.00	-6,353.0	1,511.4	571.4	446.4	125.00	4.571		
13,576.3	7,200.0	7,197.0	7,197.0	115.0	12.6	-90.00	-6,353.0	1,511.4	566.2	439.9	126.33	4.482 CC, ES		
13,600.0	7,200.0	7,197.0	7,197.0	115.4	12.6	-90.00	-6,353.0	1,511.4	566.7	440.0	126.74	4.472 SF		
13,700.0	7,200.0	7,197.0	7,197.0	117.1	12.6	-90.00	-6,353.0	1,511.4	579.6	451.1	128.49	4.511		
13,800.0	7,200.0	7,197.0	7,197.0	118.8	12.6	-90.00	-6,353.0	1,511.4	608.8	478.6	130.23	4.675		
13,900.0	7,200.0	7,197.0	7,197.0	120.6	12.6	-90.00	-6,353.0	1,511.4	652.2	520.2	131.98	4.942		
13,937.0	7,200.0	7,197.0	7,197.0	121.2	12.6	-90.00	-6,353.0	1,511.4	671.3	538.7	132.62	5.062		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - DEL CAMINO 11-14 (EXISTING) - EXISTING - NO SURVE										Offset Site Error:		0.0 ft	
Survey Program: 8056-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
8,600.0	7,200.0	7,185.0	7,185.0	33.1	12.5	90.00	-2,511.0	445.7	1,239.4	1,198.3	41.18	30.101	
8,700.0	7,200.0	7,185.0	7,185.0	34.5	12.5	90.00	-2,511.0	445.7	1,148.6	1,105.9	42.77	26.859	
8,800.0	7,200.0	7,185.0	7,185.0	35.9	12.5	90.00	-2,511.0	445.7	1,059.5	1,015.1	44.37	23.877	
8,900.0	7,200.0	7,185.0	7,185.0	37.4	12.5	90.00	-2,511.0	445.7	972.4	926.4	45.99	21.142	
9,000.0	7,200.0	7,185.0	7,185.0	38.8	12.5	90.00	-2,511.0	445.7	888.1	840.5	47.63	18.646	
9,100.0	7,200.0	7,185.0	7,185.0	40.3	12.5	90.00	-2,511.0	445.7	807.4	758.1	49.28	16.385	
9,200.0	7,200.0	7,185.0	7,185.0	41.8	12.5	90.00	-2,511.0	445.7	731.4	680.5	50.93	14.362	
9,300.0	7,200.0	7,185.0	7,185.0	43.4	12.5	90.00	-2,511.0	445.7	661.9	609.3	52.59	12.585	
9,400.0	7,200.0	7,185.0	7,185.0	44.9	12.5	90.00	-2,511.0	445.7	601.1	546.8	54.27	11.076	
9,500.0	7,200.0	7,185.0	7,185.0	46.5	12.5	90.00	-2,511.0	445.7	551.7	495.8	55.94	9.862	
9,600.0	7,200.0	7,185.0	7,185.0	48.1	12.5	90.00	-2,511.0	445.7	517.3	459.6	57.63	8.976	
9,700.0	7,200.0	7,185.0	7,185.0	49.6	12.5	90.00	-2,511.0	445.7	500.7	441.4	59.32	8.441	
9,734.3	7,200.0	7,185.0	7,185.0	50.2	12.5	90.00	-2,511.0	445.7	499.5	439.6	59.90	8.340 CC, ES	
9,800.0	7,200.0	7,185.0	7,185.0	51.2	12.5	90.00	-2,511.0	445.7	503.8	442.8	61.01	8.258 SF	
9,900.0	7,200.0	7,185.0	7,185.0	52.9	12.5	90.00	-2,511.0	445.7	526.3	463.6	62.71	8.393	
10,000.0	7,200.0	7,185.0	7,185.0	54.5	12.5	90.00	-2,511.0	445.7	565.8	501.4	64.41	8.784	
10,100.0	7,200.0	7,185.0	7,185.0	56.1	12.5	90.00	-2,511.0	445.7	619.1	552.9	66.11	9.364	
10,200.0	7,200.0	7,185.0	7,185.0	57.7	12.5	90.00	-2,511.0	445.7	682.9	615.1	67.82	10.069	
10,300.0	7,200.0	7,185.0	7,185.0	59.4	12.5	90.00	-2,511.0	445.7	754.7	685.1	69.53	10.854	
10,400.0	7,200.0	7,185.0	7,185.0	61.0	12.5	90.00	-2,511.0	445.7	832.2	761.0	71.24	11.682	
10,500.0	7,200.0	7,185.0	7,185.0	62.7	12.5	90.00	-2,511.0	445.7	914.2	841.2	72.96	12.530	
10,600.0	7,200.0	7,185.0	7,185.0	64.3	12.5	90.00	-2,511.0	445.7	999.5	924.8	74.68	13.384	
10,700.0	7,200.0	7,185.0	7,185.0	66.0	12.5	90.00	-2,511.0	445.7	1,087.2	1,010.8	76.40	14.231	
10,800.0	7,200.0	7,185.0	7,185.0	67.7	12.5	90.00	-2,511.0	445.7	1,176.9	1,098.8	78.12	15.066	
10,900.0	7,200.0	7,185.0	7,185.0	69.3	12.5	90.00	-2,511.0	445.7	1,268.2	1,188.4	79.84	15.884	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 1 (EXISTING) - EXISTING - GYRO										Offset Site Error:		0.0 ft	
Survey Program: 100-Gyro										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
12,800.0	7,200.0	7,221.0	7,220.1	101.6	6.3	90.36	-6,128.0	-177.1	1,250.4	1,143.8	106.55	11.735	
12,900.0	7,200.0	7,219.7	7,218.7	103.3	6.3	90.29	-6,128.0	-177.1	1,209.6	1,101.3	108.29	11.170	
13,000.0	7,200.0	7,218.3	7,217.4	105.0	6.3	90.22	-6,128.0	-177.1	1,176.0	1,066.0	110.03	10.688	
13,100.0	7,200.0	7,217.0	7,216.0	106.8	6.3	90.15	-6,128.0	-177.1	1,150.1	1,038.3	111.77	10.289	
13,200.0	7,200.0	7,215.6	7,214.7	108.5	6.3	90.09	-6,128.0	-177.1	1,132.4	1,018.9	113.51	9.976	
13,300.0	7,200.0	7,214.3	7,213.3	110.2	6.3	90.02	-6,128.0	-177.1	1,123.4	1,008.2	115.25	9.748	
13,351.4	7,200.0	7,213.6	7,212.6	111.1	6.3	89.98	-6,128.1	-177.1	1,122.3	1,006.1	116.15	9.662 CC, ES	
13,400.0	7,200.0	7,212.9	7,212.0	111.9	6.3	89.95	-6,128.1	-177.1	1,123.3	1,006.3	117.00	9.601	
13,500.0	7,200.0	7,211.5	7,210.6	113.7	6.3	89.88	-6,128.1	-177.1	1,132.1	1,013.3	118.74	9.534 SF	
13,600.0	7,200.0	7,210.2	7,209.2	115.4	6.3	89.81	-6,128.1	-177.1	1,149.5	1,029.0	120.48	9.541	
13,700.0	7,200.0	7,208.8	7,207.8	117.1	6.3	89.74	-6,128.1	-177.1	1,175.2	1,052.9	122.22	9.615	
13,800.0	7,200.0	7,207.4	7,206.4	118.8	6.3	89.66	-6,128.1	-177.1	1,208.6	1,084.6	123.96	9.750	
13,900.0	7,200.0	7,206.0	7,205.0	120.6	6.3	89.59	-6,128.2	-177.1	1,249.2	1,123.5	125.70	9.937	
13,937.0	7,200.0	7,205.5	7,204.5	121.2	6.3	89.57	-6,128.2	-177.1	1,265.8	1,139.5	126.35	10.019	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 21-23 (EXISTING) - EXISTING - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 102-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
11,300.0	7,200.0	7,368.6	7,211.5	76.0	23.1	88.73	-5,129.6	288.2	1,241.1	1,144.8	96.31	12.887		
11,400.0	7,200.0	7,371.3	7,214.2	77.7	23.1	88.96	-5,129.6	288.3	1,157.5	1,059.4	98.05	11.805		
11,500.0	7,200.0	7,374.0	7,216.9	79.4	23.1	89.20	-5,129.7	288.3	1,076.7	976.9	99.79	10.789		
11,600.0	7,200.0	7,376.7	7,219.5	81.1	23.1	89.43	-5,129.8	288.4	999.3	897.8	101.53	9.842		
11,700.0	7,200.0	7,379.2	7,222.1	82.8	23.1	89.65	-5,129.8	288.4	926.3	823.0	103.27	8.969		
11,800.0	7,200.0	7,381.8	7,224.7	84.5	23.1	89.87	-5,129.9	288.4	858.7	753.7	105.01	8.177		
11,900.0	7,200.0	7,384.3	7,227.1	86.2	23.1	90.09	-5,129.9	288.5	797.9	691.2	106.75	7.475		
12,000.0	7,200.0	7,386.7	7,229.6	87.9	23.1	90.30	-5,130.0	288.5	745.7	637.2	108.49	6.873		
12,100.0	7,200.0	7,389.1	7,232.0	89.6	23.1	90.51	-5,130.0	288.6	703.8	593.6	110.23	6.385		
12,200.0	7,200.0	7,391.4	7,234.3	91.3	23.1	90.72	-5,130.1	288.6	674.3	562.3	111.96	6.022		
12,300.0	7,200.0	7,393.8	7,236.6	93.0	23.1	90.92	-5,130.2	288.7	658.8	545.1	113.70	5.794		
12,353.5	7,200.0	7,395.0	7,237.8	94.0	23.1	91.02	-5,130.2	288.7	656.6	542.0	114.63	5.728 CC, ES		
12,400.0	7,200.0	7,396.0	7,238.9	94.8	23.1	91.12	-5,130.2	288.7	658.2	542.8	115.43	5.702 SF		
12,500.0	7,200.0	7,398.2	7,241.1	96.5	23.1	91.31	-5,130.3	288.7	672.7	555.6	117.17	5.742		
12,600.0	7,200.0	7,400.4	7,243.3	98.2	23.1	91.50	-5,130.3	288.8	701.3	582.4	118.90	5.898		
12,700.0	7,200.0	7,402.6	7,245.5	99.9	23.1	91.69	-5,130.4	288.8	742.4	621.7	120.63	6.154		
12,800.0	7,200.0	7,404.7	7,247.6	101.6	23.2	91.87	-5,130.4	288.9	794.0	671.6	122.36	6.488		
12,900.0	7,200.0	7,406.8	7,249.6	103.3	23.2	92.05	-5,130.4	288.9	854.2	730.1	124.09	6.883		
13,000.0	7,200.0	7,408.8	7,251.7	105.0	23.2	92.23	-5,130.5	288.9	921.3	795.5	125.82	7.322		
13,100.0	7,200.0	7,410.8	7,253.7	106.8	23.2	92.41	-5,130.5	289.0	994.0	866.5	127.55	7.793		
13,200.0	7,200.0	7,412.8	7,255.7	108.5	23.2	92.58	-5,130.6	289.0	1,071.1	941.8	129.28	8.285		
13,300.0	7,200.0	7,414.7	7,257.6	110.2	23.2	92.75	-5,130.6	289.0	1,151.7	1,020.7	131.01	8.792		
13,400.0	7,200.0	7,416.7	7,259.5	111.9	23.2	92.92	-5,130.7	289.1	1,235.2	1,102.5	132.73	9.306		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 4-2-23 (EXISTING) - EXISTING - SURVEYS												Offset Site Error:	0.0 ft
Survey Program: 72-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis		
11,800.0	7,200.0	7,334.6	7,242.6	84.5	20.2	94.50	-5,809.9	735.3	1,251.1	1,154.2	96.89	12.913	
11,900.0	7,200.0	7,333.3	7,241.3	86.2	20.2	94.15	-5,809.9	735.3	1,152.6	1,054.0	98.65	11.684	
12,000.0	7,200.0	7,332.0	7,240.0	87.9	20.2	93.80	-5,809.9	735.3	1,054.5	954.0	100.41	10.501	
12,100.0	7,200.0	7,330.6	7,238.7	89.6	20.2	93.44	-5,810.0	735.3	956.7	854.5	102.17	9.363	
12,200.0	7,200.0	7,329.3	7,237.4	91.3	20.2	93.08	-5,810.0	735.3	859.4	755.5	103.93	8.269	
12,300.0	7,200.0	7,328.0	7,236.1	93.0	20.2	92.72	-5,810.0	735.3	762.8	657.1	105.69	7.218	
12,400.0	7,200.0	7,326.6	7,234.7	94.8	20.2	92.35	-5,810.0	735.3	667.3	559.8	107.44	6.210	
12,500.0	7,200.0	7,324.0	7,232.1	96.5	20.2	91.63	-5,810.0	735.3	573.2	464.0	109.21	5.249	
12,600.0	7,200.0	7,323.9	7,232.0	98.2	20.2	91.61	-5,810.0	735.3	481.5	370.6	110.95	4.340	
12,700.0	7,200.0	7,322.5	7,230.6	99.9	20.2	91.23	-5,810.1	735.3	394.0	281.3	112.69	3.496	
12,800.0	7,200.0	7,321.1	7,229.2	101.6	20.2	90.85	-5,810.1	735.3	313.9	199.4	114.44	2.743	
12,900.0	7,200.0	7,319.7	7,227.8	103.3	20.2	90.47	-5,810.1	735.3	248.7	132.5	116.18	2.140	
13,000.0	7,200.0	7,318.3	7,226.4	105.0	20.2	90.09	-5,810.1	735.3	212.5	94.6	117.91	1.802	
13,033.4	7,200.0	7,317.9	7,226.0	105.6	20.2	89.96	-5,810.1	735.3	209.8	91.3	118.49	1.771	CC, ES, SF
13,100.0	7,200.0	7,317.0	7,225.0	106.8	20.2	89.71	-5,810.1	735.3	220.1	100.5	119.65	1.840	
13,200.0	7,200.0	7,315.6	7,223.7	108.5	20.2	89.34	-5,810.2	735.3	267.9	146.5	121.37	2.207	
13,300.0	7,200.0	7,314.2	7,222.3	110.2	20.2	88.96	-5,810.2	735.3	339.2	216.1	123.09	2.756	
13,400.0	7,200.0	7,312.9	7,220.9	111.9	20.2	88.59	-5,810.2	735.3	422.3	297.5	124.81	3.384	
13,500.0	7,200.0	7,311.5	7,219.6	113.7	20.2	88.22	-5,810.2	735.3	511.5	385.0	126.52	4.043	
13,600.0	7,200.0	7,310.2	7,218.2	115.4	20.2	87.85	-5,810.2	735.3	604.1	475.9	128.23	4.711	
13,700.0	7,200.0	7,308.8	7,216.9	117.1	20.2	87.48	-5,810.3	735.3	698.7	568.8	129.93	5.378	
13,800.0	7,200.0	7,307.5	7,215.5	118.8	20.2	87.12	-5,810.3	735.4	794.7	663.0	131.63	6.037	
13,900.0	7,200.0	7,306.1	7,214.2	120.6	20.2	86.75	-5,810.3	735.4	891.5	758.2	133.32	6.687	
13,937.0	7,200.0	7,305.6	7,213.7	121.2	20.2	86.62	-5,810.3	735.4	927.5	793.6	133.95	6.924	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - ELMQUIST 4-4-23 (EXISTING) - EXISTING - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 102-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	
13,100.0	7,200.0	7,413.7	7,229.7	106.8	25.5	91.15	-7,071.2	766.8	1,207.8	1,081.7	126.09	9.579	
13,200.0	7,200.0	7,413.4	7,229.4	108.5	25.5	91.05	-7,071.2	766.8	1,109.0	981.1	127.83	8.675	
13,300.0	7,200.0	7,413.0	7,229.0	110.2	25.5	90.94	-7,071.2	766.8	1,010.4	880.8	129.57	7.798	
13,400.0	7,200.0	7,412.7	7,228.7	111.9	25.5	90.84	-7,071.2	766.8	912.1	780.8	131.32	6.946	
13,500.0	7,200.0	7,412.4	7,228.4	113.7	25.5	90.74	-7,071.2	766.8	814.3	681.2	133.06	6.120	
13,600.0	7,200.0	7,412.1	7,228.1	115.4	25.5	90.64	-7,071.2	766.8	717.1	582.3	134.81	5.319	
13,700.0	7,200.0	7,411.8	7,227.8	117.1	25.5	90.53	-7,071.2	766.8	620.7	484.2	136.55	4.546	
13,800.0	7,200.0	7,411.4	7,227.4	118.8	25.5	90.43	-7,071.2	766.8	525.7	387.4	138.30	3.801	
13,900.0	7,200.0	7,411.0	7,227.0	120.6	25.5	90.29	-7,071.2	766.8	433.0	292.9	140.04	3.092	
13,937.0	7,200.0	7,411.0	7,227.0	121.2	25.5	90.29	-7,071.2	766.8	399.6	258.9	140.68	2.840 CC, ES, SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - GRANT 2-8-11 (EXISTING) - EXISTING - SURVEYS												Offset Site Error: 0.0 ft	
Survey Program: 62-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	
2,000.0	1,985.9	2,419.8	2,311.1	5.1	12.5	-51.23	1,119.5	766.9	1,264.4	1,250.0	14.46	87.460	
2,100.0	2,084.9	2,502.0	2,387.0	5.4	13.1	-52.82	1,111.1	736.6	1,228.8	1,213.3	15.42	79.687	
2,200.0	2,183.8	2,586.6	2,465.2	5.7	13.7	-54.54	1,102.7	705.5	1,194.4	1,177.9	16.44	72.643	
2,300.0	2,282.7	2,681.0	2,552.5	6.0	14.4	-56.53	1,092.7	671.0	1,160.9	1,143.3	17.56	66.093	
2,400.0	2,381.7	2,764.0	2,629.3	6.3	15.0	-58.37	1,083.9	640.8	1,128.6	1,110.0	18.63	60.593	
2,500.0	2,480.6	2,840.6	2,700.3	6.6	15.6	-60.14	1,076.1	612.9	1,098.3	1,078.6	19.64	55.905	
2,600.0	2,579.5	2,923.3	2,777.1	6.9	16.1	-62.10	1,067.9	583.5	1,069.9	1,049.1	20.72	51.624	
2,700.0	2,678.5	3,004.1	2,852.4	7.2	16.7	-64.06	1,060.0	555.4	1,043.4	1,021.6	21.80	47.853	
2,800.0	2,777.4	3,092.5	2,934.8	7.5	17.3	-66.31	1,051.7	524.4	1,019.0	996.1	22.97	44.359	
2,900.0	2,876.3	3,177.4	3,014.1	7.8	17.9	-68.51	1,043.5	495.3	996.3	972.2	24.10	41.348	
3,000.0	2,975.3	3,264.7	3,096.1	8.1	18.4	-70.79	1,035.1	466.5	975.8	950.6	25.21	38.711	
3,100.0	3,074.2	3,344.3	3,171.4	8.4	18.9	-72.84	1,027.3	441.8	957.3	931.1	26.22	36.518	
3,200.0	3,173.1	3,424.0	3,247.1	8.8	19.4	-74.92	1,020.4	417.8	941.8	914.6	27.21	34.616	
3,300.0	3,272.1	3,513.2	3,332.0	9.1	19.9	-77.26	1,013.2	391.6	928.7	900.4	28.25	32.873	
3,400.0	3,371.0	3,603.6	3,418.3	9.4	20.4	-79.63	1,005.6	365.8	917.3	888.0	29.26	31.347	
3,500.0	3,469.9	3,689.0	3,500.1	9.7	20.9	-81.86	998.7	342.3	908.0	877.8	30.21	30.058	
3,600.0	3,568.9	3,771.7	3,579.2	10.0	21.3	-84.10	992.6	318.8	901.4	870.2	31.12	28.964	
3,700.0	3,667.8	3,857.0	3,660.8	10.3	21.8	-86.42	987.0	294.5	897.4	865.4	32.01	28.037	
3,800.0	3,766.7	3,952.6	3,752.3	10.6	22.3	-89.00	980.9	267.8	895.6	862.7	32.92	27.206	
3,862.5	3,828.6	4,009.6	3,806.8	10.8	22.7	-90.57	976.8	251.5	895.1	861.7	33.47	26.747 CC	
3,900.0	3,865.7	4,039.3	3,835.1	10.9	22.9	-91.42	974.7	242.6	895.3	861.6	33.77	26.514 ES	
4,000.0	3,964.6	4,126.0	3,917.2	11.2	23.4	-93.94	968.6	215.4	898.0	863.4	34.57	25.973	
4,100.0	4,063.5	4,211.9	3,998.6	11.5	23.9	-96.39	962.7	188.9	902.9	867.6	35.31	25.571	
4,200.0	4,162.5	4,302.7	4,085.1	11.8	24.4	-98.91	957.3	161.6	910.4	874.5	35.97	25.307	
4,300.0	4,261.4	4,417.0	4,194.6	12.2	25.0	-101.88	949.9	129.9	918.7	882.1	36.64	25.073	
4,400.0	4,360.3	4,504.5	4,278.5	12.5	25.5	-104.15	942.9	105.8	927.6	890.4	37.17	24.952	
4,500.0	4,459.3	4,589.5	4,359.6	12.8	26.0	-106.37	936.1	81.3	938.7	901.0	37.67	24.920 SF	
4,600.0	4,558.2	4,685.5	4,450.8	13.1	26.6	-108.90	927.7	52.6	951.8	913.7	38.13	24.963	
4,700.0	4,657.1	4,782.1	4,542.8	13.4	27.1	-111.37	918.8	24.3	966.1	927.6	38.51	25.089	
4,800.0	4,756.1	4,877.2	4,633.5	13.7	27.7	-113.71	909.5	-2.9	981.4	942.6	38.83	25.272	
4,900.0	4,855.0	4,957.9	4,710.4	14.0	28.1	-115.64	902.1	-26.0	998.8	959.7	39.11	25.539	
5,000.0	4,953.9	5,045.3	4,793.6	14.3	28.7	-117.68	894.1	-51.4	1,018.1	978.7	39.35	25.871	
5,100.0	5,052.9	5,121.0	4,865.5	14.6	29.1	-119.41	887.9	-74.4	1,040.2	1,000.6	39.57	26.289	
5,200.0	5,151.8	5,237.9	4,977.1	14.9	29.7	-121.88	879.1	-108.1	1,063.4	1,023.7	39.66	26.816	
5,300.0	5,250.7	5,343.9	5,079.7	15.3	30.2	-123.80	872.0	-133.7	1,084.7	1,045.0	39.72	27.308	
5,400.0	5,349.7	5,440.8	5,174.2	15.6	30.6	-125.32	868.1	-154.8	1,107.0	1,067.2	39.79	27.824	
5,500.0	5,448.6	5,557.0	5,288.4	15.9	31.0	-126.80	866.4	-175.8	1,128.6	1,088.8	39.79	28.362	
5,600.0	5,547.5	5,698.9	5,429.2	16.2	31.3	-128.20	866.7	-193.5	1,147.4	1,107.6	39.77	28.848	
5,700.0	5,646.5	5,815.9	5,545.7	16.5	31.5	-129.17	867.2	-204.1	1,164.0	1,124.2	39.82	29.234	
5,800.0	5,745.4	5,939.6	5,669.2	16.8	31.7	-129.99	868.9	-211.0	1,178.5	1,138.7	39.85	29.573	
5,900.0	5,844.3	6,041.3	5,770.8	17.1	31.8	-130.57	871.2	-215.0	1,192.5	1,152.5	39.95	29.846	
6,000.0	5,943.3	6,153.5	5,882.9	17.4	31.9	-131.20	873.1	-218.8	1,205.8	1,165.8	40.05	30.110	
6,100.0	6,042.2	6,265.0	5,994.3	17.7	32.0	-131.85	873.5	-222.0	1,218.1	1,178.0	40.13	30.351	
6,200.0	6,141.1	6,380.8	6,110.2	18.0	32.1	-132.45	873.9	-223.2	1,229.0	1,188.8	40.21	30.564	
6,300.0	6,240.1	6,478.2	6,207.5	18.4	32.1	-132.92	874.7	-223.5	1,239.6	1,199.3	40.33	30.735	
6,400.0	6,339.0	6,576.2	6,305.5	18.7	32.2	-133.39	875.4	-224.0	1,250.5	1,210.0	40.45	30.911	
6,500.0	6,437.9	6,673.7	6,403.0	19.0	32.3	-133.84	876.1	-224.6	1,261.4	1,220.9	40.58	31.088	
6,600.0	6,536.9	6,776.0	6,505.3	19.3	32.3	-134.32	876.8	-225.2	1,272.5	1,231.8	40.70	31.268	

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2A-14H-C268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-58.7	59.7					
100.0	100.0	89.0	89.0	0.1	0.1	-90.00	0.0	-58.7	58.7	58.4	0.27	219.236		
200.0	200.0	189.0	189.0	0.3	0.3	-90.00	0.0	-58.7	58.7	58.1	0.61	95.561 CC, ES		
300.0	300.0	287.2	287.2	0.5	0.5	-89.82	0.2	-60.0	60.0	59.1	0.96	62.326		
400.0	400.0	385.0	384.9	0.7	0.7	-89.24	0.9	-64.6	64.8	63.4	1.33	48.816		
500.0	500.0	482.2	481.7	0.8	0.9	-165.69	2.0	-72.4	74.5	72.9	1.65	45.171 SF		
600.0	599.8	578.1	577.0	1.0	1.1	-165.54	3.6	-83.4	91.0	89.0	1.99	45.699		
700.0	699.5	672.0	669.9	1.2	1.4	-165.62	5.6	-97.1	113.9	111.6	2.33	48.962		
800.0	798.7	763.6	759.9	1.5	1.7	-165.78	8.0	-113.4	143.3	140.6	2.66	53.886		
900.0	897.6	854.8	849.1	1.8	2.1	-166.02	10.7	-132.2	177.5	174.5	3.00	59.214		
1,000.0	996.6	948.5	940.7	2.0	2.5	-166.20	13.6	-152.0	212.2	208.9	3.34	63.490		
1,100.0	1,095.5	1,042.3	1,032.3	2.3	2.8	-166.33	16.5	-171.8	247.0	243.3	3.69	66.951		
1,200.0	1,194.4	1,136.0	1,123.9	2.6	3.2	-166.43	19.4	-191.6	281.8	277.7	4.04	69.807		
1,300.0	1,293.4	1,229.8	1,215.5	2.9	3.6	-166.50	22.3	-211.3	316.5	312.1	4.38	72.205		
1,400.0	1,392.3	1,323.6	1,307.1	3.2	4.0	-166.56	25.1	-231.1	351.3	346.6	4.73	74.244		
1,500.0	1,491.2	1,417.3	1,398.7	3.5	4.4	-166.61	28.0	-250.9	386.1	381.0	5.08	76.001		
1,600.0	1,590.2	1,511.1	1,490.3	3.8	4.8	-166.65	30.9	-270.7	420.8	415.4	5.43	77.529		
1,700.0	1,689.1	1,604.8	1,582.0	4.1	5.2	-166.69	33.8	-290.5	455.6	449.8	5.78	78.870		
1,800.0	1,788.0	1,698.6	1,673.6	4.4	5.5	-166.72	36.7	-310.3	490.4	484.2	6.13	80.056		
1,900.0	1,887.0	1,792.4	1,765.2	4.7	5.9	-166.75	39.6	-330.1	525.1	518.7	6.47	81.114		
2,000.0	1,985.9	1,886.1	1,856.8	5.1	6.3	-166.77	42.5	-349.9	559.9	553.1	6.82	82.061		
2,100.0	2,084.9	1,979.9	1,948.4	5.4	6.7	-166.79	45.4	-369.7	594.7	587.5	7.17	82.916		
2,200.0	2,183.8	2,073.7	2,040.0	5.7	7.1	-166.81	48.2	-389.5	629.4	621.9	7.52	83.690		
2,300.0	2,282.7	2,167.4	2,131.6	6.0	7.5	-166.82	51.1	-409.3	664.2	656.3	7.87	84.395		
2,400.0	2,381.7	2,261.2	2,223.2	6.3	7.9	-166.84	54.0	-429.1	699.0	690.7	8.22	85.040		
2,500.0	2,480.6	2,354.9	2,314.8	6.6	8.3	-166.85	56.9	-448.9	733.7	725.2	8.57	85.631		
2,600.0	2,579.5	2,448.7	2,406.4	6.9	8.7	-166.86	59.8	-468.7	768.5	759.6	8.92	86.176		
2,700.0	2,678.5	2,542.5	2,498.0	7.2	9.1	-166.87	62.7	-488.5	803.3	794.0	9.27	86.679		
2,800.0	2,777.4	2,636.2	2,589.6	7.5	9.5	-166.88	65.6	-508.2	838.0	828.4	9.62	87.146		
2,900.0	2,876.3	2,730.0	2,681.2	7.8	9.8	-166.89	68.5	-528.0	872.8	862.8	9.97	87.579		
3,000.0	2,975.3	2,823.8	2,772.8	8.1	10.2	-166.90	71.3	-547.8	907.5	897.2	10.32	87.983		
3,100.0	3,074.2	2,917.5	2,864.4	8.4	10.6	-166.91	74.2	-567.6	942.3	931.7	10.66	88.360		
3,200.0	3,173.1	3,011.3	2,956.0	8.8	11.0	-166.92	77.1	-587.4	977.1	966.1	11.01	88.713		
3,300.0	3,272.1	3,105.0	3,047.6	9.1	11.4	-166.92	80.0	-607.2	1,011.8	1,000.5	11.36	89.044		
3,400.0	3,371.0	3,198.8	3,139.2	9.4	11.8	-166.93	82.9	-627.0	1,046.6	1,034.9	11.71	89.355		
3,500.0	3,469.9	3,292.6	3,230.8	9.7	12.2	-166.94	85.8	-646.8	1,081.4	1,069.3	12.06	89.648		
3,600.0	3,568.9	3,386.3	3,322.4	10.0	12.6	-166.94	88.7	-666.6	1,116.1	1,103.7	12.41	89.925		
3,700.0	3,667.8	3,480.1	3,414.0	10.3	13.0	-166.95	91.6	-686.4	1,150.9	1,138.1	12.76	90.186		
3,800.0	3,766.7	3,573.9	3,505.6	10.6	13.4	-166.95	94.4	-706.2	1,185.7	1,172.6	13.11	90.433		
3,900.0	3,865.7	3,667.6	3,597.2	10.9	13.8	-166.96	97.3	-726.0	1,220.4	1,207.0	13.46	90.667		
4,000.0	3,964.6	3,761.4	3,688.8	11.2	14.2	-166.96	100.2	-745.8	1,255.2	1,241.4	13.81	90.889		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2B-14H-C268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-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	-90.00	0.0	-50.3	51.5					
100.0	100.0	89.0	89.0	0.1	0.1	-90.00	0.0	-50.3	50.3	50.1	0.27	187.916		
200.0	200.0	189.0	189.0	0.3	0.3	-90.00	0.0	-50.3	50.3	49.7	0.61	81.909		
300.0	300.0	289.0	289.0	0.5	0.5	-90.00	0.0	-50.3	50.3	49.4	0.96	52.232 CC, ES		
400.0	400.0	387.5	387.5	0.7	0.7	-89.72	0.3	-51.6	51.7	50.3	1.31	39.366		
500.0	500.0	485.4	485.3	0.8	0.8	-166.21	1.1	-56.2	58.0	56.4	1.66	35.060 SF		
600.0	599.8	582.4	581.9	1.0	1.0	-165.99	2.6	-64.0	71.1	69.1	2.00	35.589		
700.0	699.5	677.8	676.7	1.2	1.3	-165.96	4.7	-74.7	90.8	88.5	2.34	38.833		
800.0	798.7	771.5	769.4	1.5	1.6	-166.01	7.4	-88.3	116.9	114.2	2.68	43.701		
900.0	897.6	867.1	863.8	1.8	1.8	-166.24	10.3	-103.2	146.3	143.3	3.02	48.413		
1,000.0	996.6	962.7	958.1	2.0	2.1	-166.42	13.2	-118.1	175.8	172.4	3.37	52.129		
1,100.0	1,095.5	1,058.2	1,052.5	2.3	2.4	-166.55	16.1	-133.1	205.2	201.5	3.72	55.134		
1,200.0	1,194.4	1,153.8	1,146.8	2.6	2.7	-166.65	19.0	-148.0	234.7	230.6	4.07	57.614		
1,300.0	1,293.4	1,249.3	1,241.1	2.9	3.0	-166.72	21.9	-162.9	264.2	259.8	4.43	59.694		
1,400.0	1,392.3	1,344.9	1,335.5	3.2	3.4	-166.78	24.8	-177.8	293.7	288.9	4.78	61.463		
1,500.0	1,491.2	1,440.5	1,429.8	3.5	3.7	-166.83	27.7	-192.7	323.1	318.0	5.13	62.986		
1,600.0	1,590.2	1,536.0	1,524.2	3.8	4.0	-166.87	30.6	-207.7	352.6	347.1	5.48	64.310		
1,700.0	1,689.1	1,631.6	1,618.5	4.1	4.3	-166.90	33.5	-222.6	382.1	376.2	5.84	65.472		
1,800.0	1,788.0	1,727.1	1,712.8	4.4	4.6	-166.93	36.4	-237.5	411.5	405.4	6.19	66.500		
1,900.0	1,887.0	1,822.7	1,807.2	4.7	4.9	-166.96	39.3	-252.4	441.0	434.5	6.54	67.416		
2,000.0	1,985.9	1,918.3	1,901.5	5.1	5.2	-166.98	42.2	-267.3	470.5	463.6	6.89	68.237		
2,100.0	2,084.9	2,013.8	1,995.9	5.4	5.5	-167.00	45.1	-282.3	500.0	492.7	7.25	68.977		
2,200.0	2,183.8	2,109.4	2,090.2	5.7	5.9	-167.02	48.0	-297.2	529.4	521.8	7.60	69.648		
2,300.0	2,282.7	2,204.9	2,184.6	6.0	6.2	-167.03	50.9	-312.1	558.9	550.9	7.95	70.258		
2,400.0	2,381.7	2,300.5	2,278.9	6.3	6.5	-167.05	53.8	-327.0	588.4	580.1	8.31	70.816		
2,500.0	2,480.6	2,396.0	2,373.2	6.6	6.8	-167.06	56.7	-341.9	617.8	609.2	8.66	71.328		
2,600.0	2,579.5	2,491.6	2,467.6	6.9	7.1	-167.07	59.6	-356.9	647.3	638.3	9.02	71.799		
2,700.0	2,678.5	2,587.2	2,561.9	7.2	7.4	-167.08	62.5	-371.8	676.8	667.4	9.37	72.235		
2,800.0	2,777.4	2,682.7	2,656.3	7.5	7.7	-167.09	65.4	-386.7	706.2	696.5	9.72	72.638		
2,900.0	2,876.3	2,778.3	2,750.6	7.8	8.1	-167.10	68.3	-401.6	735.7	725.6	10.08	73.013		
3,000.0	2,975.3	2,873.8	2,845.0	8.1	8.4	-167.11	71.2	-416.5	765.2	754.8	10.43	73.363		
3,100.0	3,074.2	2,969.4	2,939.3	8.4	8.7	-167.12	74.1	-431.5	794.7	783.9	10.78	73.689		
3,200.0	3,173.1	3,065.0	3,033.6	8.8	9.0	-167.12	77.0	-446.4	824.1	813.0	11.14	73.994		
3,300.0	3,272.1	3,160.5	3,128.0	9.1	9.3	-167.13	79.9	-461.3	853.6	842.1	11.49	74.280		
3,400.0	3,371.0	3,256.1	3,222.3	9.4	9.6	-167.14	82.8	-476.2	883.1	871.2	11.85	74.550		
3,500.0	3,469.9	3,351.6	3,316.7	9.7	9.9	-167.14	85.7	-491.1	912.5	900.3	12.20	74.803		
3,600.0	3,568.9	3,447.2	3,411.0	10.0	10.3	-167.15	88.6	-506.0	942.0	929.5	12.55	75.042		
3,700.0	3,667.8	3,542.7	3,505.3	10.3	10.6	-167.15	91.5	-521.0	971.5	958.6	12.91	75.268		
3,800.0	3,766.7	3,638.3	3,599.7	10.6	10.9	-167.16	94.4	-535.9	1,001.0	987.7	13.26	75.482		
3,900.0	3,865.7	3,733.9	3,694.0	10.9	11.2	-167.16	97.3	-550.8	1,030.4	1,016.8	13.61	75.684		
4,000.0	3,964.6	3,829.4	3,788.4	11.2	11.5	-167.17	100.2	-565.7	1,059.9	1,045.9	13.97	75.876		
4,100.0	4,063.5	3,925.0	3,882.7	11.5	11.8	-167.17	103.1	-580.6	1,089.4	1,075.0	14.32	76.059		
4,200.0	4,162.5	4,020.5	3,977.1	11.8	12.2	-167.17	106.0	-595.6	1,118.8	1,104.2	14.68	76.233		
4,300.0	4,261.4	4,116.1	4,071.4	12.2	12.5	-167.18	108.9	-610.5	1,148.3	1,133.3	15.03	76.398		
4,400.0	4,360.3	4,211.7	4,165.7	12.5	12.8	-167.18	111.8	-625.4	1,177.8	1,162.4	15.38	76.556		
4,500.0	4,459.3	4,307.2	4,260.1	12.8	13.1	-167.18	114.7	-640.3	1,207.3	1,191.5	15.74	76.707		
4,600.0	4,558.2	4,402.8	4,354.4	13.1	13.4	-167.19	117.6	-655.2	1,236.7	1,220.6	16.09	76.851		
4,700.0	4,657.1	4,498.3	4,448.8	13.4	13.7	-167.19	120.5	-670.2	1,266.2	1,249.8	16.45	76.989		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2C-14H-C268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-39.1	40.7					
100.0	100.0	89.0	89.0	0.1	0.1	-90.01	0.0	-39.1	39.1	38.9	0.27	146.157		
200.0	200.0	189.0	189.0	0.3	0.3	-90.01	0.0	-39.1	39.1	38.5	0.61	63.707		
300.0	300.0	289.0	289.0	0.5	0.5	-90.01	0.0	-39.1	39.1	38.2	0.96	40.625		
400.0	400.0	389.0	389.0	0.7	0.7	-90.01	0.0	-39.1	39.1	37.8	1.31	29.820 CC, ES		
500.0	500.0	487.8	487.8	0.8	0.8	-166.95	0.4	-40.4	42.1	40.5	1.66	25.398 SF		
600.0	599.8	585.8	585.6	1.0	1.0	-166.60	1.8	-44.9	51.8	49.8	2.00	25.831		
700.0	699.5	682.5	682.1	1.2	1.2	-166.16	4.3	-52.4	68.0	65.6	2.35	28.957		
800.0	798.7	779.9	778.9	1.5	1.4	-165.99	7.3	-61.9	89.5	86.8	2.69	33.235		
900.0	897.6	877.0	875.5	1.8	1.7	-166.22	10.4	-71.4	113.2	110.2	3.04	37.200		
1,000.0	996.6	974.1	972.1	2.0	1.9	-166.39	13.5	-80.9	137.0	133.6	3.40	40.328		
1,100.0	1,095.5	1,071.3	1,068.8	2.3	2.1	-166.51	16.5	-90.4	160.9	157.1	3.75	42.855		
1,200.0	1,194.4	1,168.4	1,165.4	2.6	2.4	-166.60	19.6	-99.9	184.7	180.5	4.11	44.939		
1,300.0	1,293.4	1,265.5	1,262.0	2.9	2.6	-166.67	22.6	-109.4	208.5	204.0	4.47	46.685		
1,400.0	1,392.3	1,362.6	1,358.6	3.2	2.8	-166.72	25.7	-118.9	232.3	227.5	4.82	48.170		
1,500.0	1,491.2	1,459.8	1,455.2	3.5	3.1	-166.77	28.8	-128.4	256.1	250.9	5.18	49.448		
1,600.0	1,590.2	1,556.9	1,551.8	3.8	3.3	-166.80	31.8	-137.9	279.9	274.4	5.54	50.558		
1,700.0	1,689.1	1,654.0	1,648.4	4.1	3.5	-166.83	34.9	-147.4	303.7	297.8	5.89	51.532		
1,800.0	1,788.0	1,751.1	1,745.0	4.4	3.8	-166.86	38.0	-156.9	327.5	321.3	6.25	52.394		
1,900.0	1,887.0	1,848.3	1,841.6	4.7	4.0	-166.88	41.0	-166.4	351.3	344.7	6.61	53.161		
2,000.0	1,985.9	1,945.4	1,938.2	5.1	4.3	-166.90	44.1	-175.9	375.1	368.2	6.97	53.848		
2,100.0	2,084.9	2,042.5	2,034.8	5.4	4.5	-166.92	47.1	-185.5	398.9	391.6	7.32	54.468		
2,200.0	2,183.8	2,139.6	2,131.5	5.7	4.7	-166.94	50.2	-195.0	422.7	415.1	7.68	55.029		
2,300.0	2,282.7	2,236.8	2,228.1	6.0	5.0	-166.95	53.3	-204.5	446.5	438.5	8.04	55.540		
2,400.0	2,381.7	2,333.9	2,324.7	6.3	5.2	-166.96	56.3	-214.0	470.4	462.0	8.40	56.006		
2,500.0	2,480.6	2,431.0	2,421.3	6.6	5.5	-166.97	59.4	-223.5	494.2	485.4	8.76	56.434		
2,600.0	2,579.5	2,528.1	2,517.9	6.9	5.7	-166.98	62.5	-233.0	518.0	508.9	9.11	56.829		
2,700.0	2,678.5	2,625.3	2,614.5	7.2	6.0	-166.99	65.5	-242.5	541.8	532.3	9.47	57.193		
2,800.0	2,777.4	2,722.4	2,711.1	7.5	6.2	-167.00	68.6	-252.0	565.6	555.8	9.83	57.530		
2,900.0	2,876.3	2,819.5	2,807.7	7.8	6.4	-167.01	71.6	-261.5	589.4	579.2	10.19	57.844		
3,000.0	2,975.3	2,916.6	2,904.3	8.1	6.7	-167.02	74.7	-271.0	613.2	602.7	10.55	58.136		
3,100.0	3,074.2	3,013.8	3,000.9	8.4	6.9	-167.02	77.8	-280.5	637.0	626.1	10.91	58.408		
3,200.0	3,173.1	3,110.9	3,097.6	8.8	7.2	-167.03	80.8	-290.0	660.8	649.6	11.26	58.664		
3,300.0	3,272.1	3,208.0	3,194.2	9.1	7.4	-167.04	83.9	-299.5	684.6	673.0	11.62	58.903		
3,400.0	3,371.0	3,305.1	3,290.8	9.4	7.7	-167.04	87.0	-309.0	708.4	696.5	11.98	59.128		
3,500.0	3,469.9	3,402.3	3,387.4	9.7	7.9	-167.05	90.0	-318.5	732.2	719.9	12.34	59.339		
3,600.0	3,568.9	3,499.4	3,484.0	10.0	8.1	-167.05	93.1	-328.0	756.1	743.4	12.70	59.539		
3,700.0	3,667.8	3,596.5	3,580.6	10.3	8.4	-167.06	96.1	-337.5	779.9	766.8	13.06	59.728		
3,800.0	3,766.7	3,693.6	3,677.2	10.6	8.6	-167.06	99.2	-347.0	803.7	790.3	13.42	59.906		
3,900.0	3,865.7	3,790.7	3,773.8	10.9	8.9	-167.06	102.3	-356.5	827.5	813.7	13.77	60.075		
4,000.0	3,964.6	3,887.9	3,870.4	11.2	9.1	-167.07	105.3	-366.0	851.3	837.2	14.13	60.236		
4,100.0	4,063.5	3,985.0	3,967.0	11.5	9.4	-167.07	108.4	-375.5	875.1	860.6	14.49	60.388		
4,200.0	4,162.5	4,082.1	4,063.7	11.8	9.6	-167.07	111.5	-385.0	898.9	884.1	14.85	60.534		
4,300.0	4,261.4	4,179.2	4,160.3	12.2	9.8	-167.08	114.5	-394.6	922.7	907.5	15.21	60.672		
4,400.0	4,360.3	4,276.4	4,256.9	12.5	10.1	-167.08	117.6	-404.1	946.5	931.0	15.57	60.804		
4,500.0	4,459.3	4,373.5	4,353.5	12.8	10.3	-167.08	120.7	-413.6	970.3	954.4	15.93	60.929		
4,600.0	4,558.2	4,470.6	4,450.1	13.1	10.6	-167.09	123.7	-423.1	994.1	977.9	16.28	61.050		
4,700.0	4,657.1	4,567.7	4,546.7	13.4	10.8	-167.09	126.8	-432.6	1,017.9	1,001.3	16.64	61.165		
4,800.0	4,756.1	4,664.9	4,643.3	13.7	11.1	-167.09	129.8	-442.1	1,041.8	1,024.8	17.00	61.275		
4,900.0	4,855.0	4,762.0	4,739.9	14.0	11.3	-167.09	132.9	-451.6	1,065.6	1,048.2	17.36	61.381		
5,000.0	4,953.9	4,859.1	4,836.5	14.3	11.5	-167.10	136.0	-461.1	1,089.4	1,071.7	17.72	61.482		
5,100.0	5,052.9	4,956.2	4,933.1	14.6	11.8	-167.10	139.0	-470.6	1,113.2	1,095.1	18.08	61.579		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2C-14H-C268 - Hz - Plan #2		Offset Site Error:		0.0 ft	
Survey Program:													0-MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor							
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis							
5,200.0	5,151.8	5,053.4	5,029.7	14.9	12.0	-167.10	142.1	-480.1	1,137.0	1,118.6	18.44	61.673						
5,300.0	5,250.7	5,150.5	5,126.4	15.3	12.3	-167.10	145.2	-489.6	1,160.8	1,142.0	18.79	61.763						
5,400.0	5,349.7	5,247.6	5,223.0	15.6	12.5	-167.10	148.2	-499.1	1,184.6	1,165.5	19.15	61.849						
5,500.0	5,448.6	5,344.7	5,319.6	15.9	12.8	-167.11	151.3	-508.6	1,208.4	1,188.9	19.51	61.932						
5,600.0	5,547.5	5,441.9	5,416.2	16.2	13.0	-167.11	154.3	-518.1	1,232.2	1,212.4	19.87	62.013						
5,700.0	5,646.5	5,539.0	5,512.8	16.5	13.3	-167.11	157.4	-527.6	1,256.0	1,235.8	20.23	62.090						

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2D-14H-C268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-30.8	32.7					
100.0	100.0	89.0	89.0	0.1	0.1	-90.01	0.0	-30.8	30.8	30.5	0.27	114.838		
200.0	200.0	189.0	189.0	0.3	0.3	-90.01	0.0	-30.8	30.8	30.1	0.61	50.056		
300.0	300.0	289.0	289.0	0.5	0.5	-90.01	0.0	-30.8	30.8	29.8	0.96	31.919		
400.0	400.0	389.0	389.0	0.7	0.7	-90.01	0.0	-30.8	30.8	29.4	1.31	23.430	CC, ES	
500.0	500.0	489.0	489.0	0.8	0.8	-167.68	0.0	-30.8	32.5	30.8	1.66	19.539		
600.0	599.8	587.8	587.8	1.0	1.0	-168.31	0.6	-31.9	38.8	36.7	2.01	19.310		
700.0	699.5	685.7	685.6	1.2	1.2	-167.55	2.9	-36.0	51.4	49.0	2.35	21.850		
800.0	798.7	784.2	783.9	1.5	1.4	-167.05	5.9	-41.5	68.8	66.1	2.70	25.478		
900.0	897.6	882.3	881.7	1.8	1.6	-167.13	9.0	-46.9	88.4	85.3	3.05	28.959		
1,000.0	996.6	980.3	979.6	2.0	1.8	-167.21	12.0	-52.4	108.0	104.6	3.41	31.710		
1,100.0	1,095.5	1,078.4	1,077.4	2.3	2.0	-167.26	15.0	-57.8	127.7	124.0	3.76	33.932		
1,200.0	1,194.4	1,176.4	1,175.3	2.6	2.1	-167.29	18.0	-63.3	147.4	143.3	4.12	35.764		
1,300.0	1,293.4	1,274.5	1,273.1	2.9	2.3	-167.32	21.0	-68.7	167.1	162.6	4.48	37.299		
1,400.0	1,392.3	1,372.5	1,371.0	3.2	2.5	-167.34	24.0	-74.2	186.7	181.9	4.84	38.604		
1,500.0	1,491.2	1,470.5	1,468.8	3.5	2.7	-167.36	27.1	-79.7	206.4	201.2	5.20	39.726		
1,600.0	1,590.2	1,568.6	1,566.7	3.8	2.9	-167.37	30.1	-85.1	226.1	220.5	5.55	40.702		
1,700.0	1,689.1	1,666.6	1,664.5	4.1	3.1	-167.39	33.1	-90.6	245.8	239.8	5.91	41.557		
1,800.0	1,788.0	1,764.7	1,762.4	4.4	3.3	-167.40	36.1	-96.0	265.4	259.2	6.27	42.314		
1,900.0	1,887.0	1,862.7	1,860.2	4.7	3.5	-167.40	39.1	-101.5	285.1	278.5	6.63	42.987		
2,000.0	1,985.9	1,960.8	1,958.1	5.1	3.7	-167.41	42.1	-106.9	304.8	297.8	6.99	43.591		
2,100.0	2,084.9	2,058.8	2,055.9	5.4	3.9	-167.42	45.1	-112.4	324.4	317.1	7.35	44.134		
2,200.0	2,183.8	2,156.9	2,153.8	5.7	4.1	-167.43	48.2	-117.8	344.1	336.4	7.71	44.627		
2,300.0	2,282.7	2,254.9	2,251.6	6.0	4.3	-167.43	51.2	-123.3	363.8	355.7	8.07	45.075		
2,400.0	2,381.7	2,353.0	2,349.5	6.3	4.6	-167.44	54.2	-128.7	383.5	375.0	8.43	45.485		
2,500.0	2,480.6	2,451.0	2,447.3	6.6	4.8	-167.44	57.2	-134.2	403.1	394.3	8.79	45.861		
2,600.0	2,579.5	2,549.1	2,545.2	6.9	5.0	-167.44	60.2	-139.6	422.8	413.7	9.15	46.206		
2,700.0	2,678.5	2,647.1	2,643.0	7.2	5.2	-167.45	63.2	-145.1	442.5	433.0	9.51	46.526		
2,800.0	2,777.4	2,745.1	2,740.9	7.5	5.4	-167.45	66.3	-150.5	462.1	452.3	9.87	46.822		
2,900.0	2,876.3	2,843.2	2,838.7	7.8	5.6	-167.45	69.3	-156.0	481.8	471.6	10.23	47.097		
3,000.0	2,975.3	2,941.2	2,936.5	8.1	5.8	-167.46	72.3	-161.4	501.5	490.9	10.59	47.353		
3,100.0	3,074.2	3,039.3	3,034.4	8.4	6.0	-167.46	75.3	-166.9	521.2	510.2	10.95	47.592		
3,200.0	3,173.1	3,137.3	3,132.2	8.8	6.2	-167.46	78.3	-172.3	540.8	529.5	11.31	47.816		
3,300.0	3,272.1	3,235.4	3,230.1	9.1	6.4	-167.46	81.3	-177.8	560.5	548.8	11.67	48.026		
3,400.0	3,371.0	3,333.4	3,327.9	9.4	6.6	-167.47	84.4	-183.2	580.2	568.1	12.03	48.223		
3,500.0	3,469.9	3,431.5	3,425.8	9.7	6.8	-167.47	87.4	-188.7	599.9	587.5	12.39	48.409		
3,600.0	3,568.9	3,529.5	3,523.6	10.0	7.0	-167.47	90.4	-194.1	619.5	606.8	12.75	48.584		
3,700.0	3,667.8	3,627.6	3,621.5	10.3	7.2	-167.47	93.4	-199.6	639.2	626.1	13.11	48.749		
3,800.0	3,766.7	3,725.6	3,719.3	10.6	7.4	-167.47	96.4	-205.0	658.9	645.4	13.47	48.906		
3,900.0	3,865.7	3,823.7	3,817.2	10.9	7.6	-167.48	99.4	-210.5	678.5	664.7	13.83	49.054		
4,000.0	3,964.6	3,921.7	3,915.0	11.2	7.8	-167.48	102.5	-215.9	698.2	684.0	14.19	49.195		
4,100.0	4,063.5	4,019.7	4,012.9	11.5	8.0	-167.48	105.5	-221.4	717.9	703.3	14.55	49.329		
4,200.0	4,162.5	4,117.8	4,110.7	11.8	8.2	-167.48	108.5	-226.8	737.6	722.6	14.91	49.456		
4,300.0	4,261.4	4,215.8	4,208.6	12.2	8.4	-167.48	111.5	-232.3	757.2	742.0	15.27	49.577		
4,400.0	4,360.3	4,313.9	4,306.4	12.5	8.6	-167.48	114.5	-237.7	776.9	761.3	15.63	49.693		
4,500.0	4,459.3	4,411.9	4,404.3	12.8	8.8	-167.48	117.5	-243.2	796.6	780.6	15.99	49.803		
4,600.0	4,558.2	4,510.0	4,502.1	13.1	9.0	-167.48	120.6	-248.6	816.2	799.9	16.35	49.908		
4,700.0	4,657.1	4,608.0	4,600.0	13.4	9.2	-167.48	123.6	-254.1	835.9	819.2	16.72	50.009		
4,800.0	4,756.1	4,706.1	4,697.8	13.7	9.4	-167.49	126.6	-259.5	855.6	838.5	17.08	50.106		
4,900.0	4,855.0	4,804.1	4,795.7	14.0	9.6	-167.49	129.6	-265.0	875.3	857.8	17.44	50.198		
5,000.0	4,953.9	4,902.2	4,893.5	14.3	9.8	-167.49	132.6	-270.4	894.9	877.1	17.80	50.287		
5,100.0	5,052.9	5,000.2	4,991.4	14.6	10.0	-167.49	135.6	-275.9	914.6	896.5	18.16	50.372		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2D-14H-C268 - Hz - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
5,200.0	5,151.8	5,098.2	5,089.2	14.9	10.2	-167.49	138.7	-281.4	934.3	915.8	18.52	50.454	
5,300.0	5,250.7	5,196.3	5,187.0	15.3	10.4	-167.49	141.7	-286.8	954.0	935.1	18.88	50.533	
5,400.0	5,349.7	5,294.3	5,284.9	15.6	10.6	-167.49	144.7	-292.3	973.6	954.4	19.24	50.609	
5,500.0	5,448.6	5,392.4	5,382.7	15.9	10.8	-167.49	147.7	-297.7	993.3	973.7	19.60	50.682	
5,600.0	5,547.5	5,490.4	5,480.6	16.2	11.0	-167.49	150.7	-303.2	1,013.0	993.0	19.96	50.752	
5,700.0	5,646.5	5,588.5	5,578.4	16.5	11.2	-167.49	153.7	-308.6	1,032.6	1,012.3	20.32	50.820	
5,800.0	5,745.4	5,686.5	5,676.3	16.8	11.4	-167.49	156.8	-314.1	1,052.3	1,031.6	20.68	50.886	
5,900.0	5,844.3	5,784.6	5,774.1	17.1	11.6	-167.49	159.8	-319.5	1,072.0	1,050.9	21.04	50.949	
6,000.0	5,943.3	5,882.6	5,872.0	17.4	11.8	-167.49	162.8	-325.0	1,091.7	1,070.3	21.40	51.010	
6,100.0	6,042.2	5,980.7	5,969.8	17.7	12.0	-167.49	165.8	-330.4	1,111.3	1,089.6	21.76	51.069	
6,200.0	6,141.1	6,078.7	6,067.7	18.0	12.2	-167.50	168.8	-335.9	1,131.0	1,108.9	22.12	51.128	
6,300.0	6,240.1	6,176.8	6,165.5	18.4	12.4	-167.50	171.8	-341.3	1,150.7	1,128.2	22.48	51.181	
6,400.0	6,339.0	6,274.8	6,263.4	18.7	12.6	-167.50	174.8	-346.8	1,170.3	1,147.5	22.84	51.235	
6,500.0	6,437.9	6,372.8	6,361.2	19.0	12.8	-167.50	177.9	-352.2	1,190.0	1,166.8	23.20	51.287	
6,600.0	6,536.9	6,470.9	6,459.1	19.3	13.1	-167.50	180.9	-357.7	1,209.7	1,186.1	23.56	51.337	
6,700.0	6,635.8	6,568.9	6,556.9	19.6	13.3	-177.11	183.9	-363.1	1,229.4	1,205.5	23.90	51.433	
6,800.0	6,734.3	6,666.1	6,653.9	19.9	13.5	126.53	186.9	-368.5	1,248.8	1,224.7	24.15	51.714	
6,900.0	6,829.6	6,759.7	6,747.3	20.1	13.6	109.58	189.8	-373.7	1,268.1	1,243.7	24.39	51.989	
9,200.0	7,200.0	9,461.5	7,410.0	41.8	40.7	100.04	-2,085.9	-303.2	1,272.5	1,194.7	77.77	16.363	
9,300.0	7,200.0	9,561.1	7,410.0	43.4	42.3	100.11	-2,185.1	-294.5	1,263.9	1,182.9	81.03	15.599	
9,400.0	7,200.0	9,660.7	7,410.0	44.9	44.0	100.18	-2,284.4	-285.8	1,255.3	1,171.0	84.30	14.892	
9,500.0	7,200.0	9,760.3	7,410.0	46.5	45.6	100.25	-2,383.6	-277.2	1,246.8	1,159.2	87.58	14.236	
9,600.0	7,200.0	9,859.9	7,410.0	48.1	47.3	100.32	-2,482.8	-268.5	1,238.2	1,147.3	90.87	13.626	
9,700.0	7,200.0	9,959.6	7,410.0	49.6	48.9	100.39	-2,582.1	-259.8	1,229.6	1,135.4	94.16	13.058	
9,800.0	7,200.0	10,059.2	7,410.0	51.2	50.6	100.47	-2,681.3	-251.1	1,221.0	1,123.6	97.47	12.528	
9,900.0	7,200.0	10,158.8	7,410.0	52.9	52.3	100.54	-2,780.6	-242.4	1,212.5	1,111.7	100.78	12.031	
10,000.0	7,200.0	10,256.5	7,410.0	54.5	53.9	100.62	-2,877.9	-233.9	1,203.9	1,099.8	104.06	11.569	
10,100.0	7,200.0	10,332.7	7,410.0	56.1	55.2	100.67	-2,953.9	-228.2	1,196.5	1,089.5	107.00	11.182	
10,200.0	7,200.0	10,400.0	7,410.0	57.7	56.4	100.70	-3,021.1	-224.3	1,191.0	1,081.2	109.79	10.848	
10,300.0	7,200.0	10,485.6	7,410.0	59.4	57.8	100.73	-3,106.7	-221.2	1,187.5	1,074.6	112.90	10.518	
10,400.0	7,200.0	10,562.3	7,410.0	61.0	59.1	100.74	-3,183.3	-220.0	1,185.9	1,070.1	115.86	10.236	
10,428.2	7,200.0	10,583.9	7,410.0	61.5	59.5	100.74	-3,204.9	-219.9	1,185.9	1,069.2	116.70	10.162	
10,500.0	7,200.0	10,638.9	7,410.0	62.7	60.4	100.74	-3,259.9	-220.3	1,186.4	1,067.5	118.84	9.983	
10,600.0	7,200.0	10,731.2	7,410.0	64.3	62.0	100.72	-3,352.2	-222.1	1,188.3	1,066.2	122.08	9.734	
10,700.0	7,200.0	10,831.2	7,410.0	66.0	63.7	100.70	-3,452.2	-224.2	1,190.4	1,064.9	125.47	9.488	
10,800.0	7,200.0	10,931.2	7,410.0	67.7	65.5	100.68	-3,552.1	-226.3	1,192.4	1,063.6	128.85	9.254	
10,900.0	7,200.0	11,031.2	7,410.0	69.3	67.2	100.66	-3,652.1	-228.4	1,194.5	1,062.2	132.24	9.033	
11,000.0	7,200.0	11,131.1	7,410.0	71.0	68.9	100.65	-3,752.0	-230.5	1,196.5	1,060.9	135.64	8.822	
11,100.0	7,200.0	11,219.7	7,410.0	72.7	70.4	100.63	-3,840.5	-232.7	1,198.9	1,060.1	138.84	8.635	
11,200.0	7,200.0	11,315.8	7,410.0	74.4	72.1	100.60	-3,936.6	-235.9	1,202.2	1,060.0	142.18	8.456	
11,300.0	7,200.0	11,415.7	7,410.0	76.0	73.8	100.57	-4,036.5	-239.3	1,205.6	1,060.0	145.59	8.281	
11,400.0	7,200.0	11,515.7	7,410.0	77.7	75.5	100.54	-4,136.4	-242.7	1,208.9	1,059.9	149.00	8.114	
11,500.0	7,200.0	11,615.6	7,410.0	79.4	77.3	100.51	-4,236.3	-246.0	1,212.2	1,059.8	152.41	7.954	
11,600.0	7,200.0	11,715.6	7,410.0	81.1	79.0	100.48	-4,336.1	-249.4	1,215.6	1,059.7	155.83	7.801	
11,700.0	7,200.0	11,815.5	7,410.0	82.8	80.7	100.45	-4,436.0	-252.8	1,218.9	1,059.6	159.25	7.654	
11,800.0	7,200.0	11,915.4	7,410.0	84.5	82.5	100.42	-4,535.9	-256.2	1,222.2	1,059.6	162.67	7.514	
11,900.0	7,200.0	12,015.4	7,410.0	86.2	84.2	100.39	-4,635.8	-259.6	1,225.6	1,059.5	166.09	7.379	
12,000.0	7,200.0	12,115.3	7,410.0	87.9	85.9	100.37	-4,735.7	-263.0	1,228.9	1,059.4	169.52	7.249	
12,100.0	7,200.0	12,215.3	7,410.0	89.6	87.7	100.34	-4,835.6	-266.4	1,232.2	1,059.3	172.94	7.125	
12,200.0	7,200.0	12,315.2	7,410.0	91.3	89.4	100.31	-4,935.4	-269.8	1,235.6	1,059.2	176.37	7.005	
12,300.0	7,200.0	12,415.2	7,410.0	93.0	91.1	100.28	-5,035.3	-273.2	1,238.9	1,059.1	179.81	6.890	
12,400.0	7,200.0	12,515.1	7,410.0	94.8	92.9	100.25	-5,135.2	-276.5	1,242.2	1,059.0	183.24	6.779	

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2D-14H-C268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
12,500.0	7,200.0	12,615.0	7,410.0	96.5	94.6	100.23	-5,235.1	-279.9	1,245.6	1,058.9	186.67	6.672		
12,600.0	7,200.0	12,715.0	7,410.0	98.2	96.3	100.20	-5,335.0	-283.3	1,248.9	1,058.8	190.11	6.569		
12,700.0	7,200.0	12,814.9	7,410.0	99.9	98.1	100.17	-5,434.9	-286.7	1,252.3	1,058.7	193.55	6.470		
12,800.0	7,200.0	12,914.9	7,410.0	101.6	99.8	100.14	-5,534.8	-290.1	1,255.6	1,058.6	196.99	6.374		
12,900.0	7,200.0	13,014.8	7,410.0	103.3	101.6	100.12	-5,634.6	-293.5	1,258.9	1,058.5	200.43	6.281		
13,000.0	7,200.0	13,114.8	7,410.0	105.0	103.3	100.09	-5,734.5	-296.9	1,262.3	1,058.4	203.87	6.191		
13,100.0	7,200.0	13,214.7	7,410.0	106.8	105.0	100.06	-5,834.4	-300.3	1,265.6	1,058.3	207.32	6.105		
13,200.0	7,200.0	13,314.6	7,410.0	108.5	106.8	100.04	-5,934.3	-303.7	1,268.9	1,058.2	210.76	6.021		
13,300.0	7,200.0	13,414.6	7,410.0	110.2	108.5	100.01	-6,034.2	-307.0	1,272.3	1,058.1	214.21	5.939		
13,400.0	7,200.0	13,514.5	7,410.0	111.9	110.3	99.98	-6,134.1	-310.4	1,275.6	1,058.0	217.66	5.861		
13,500.0	7,200.0	13,614.5	7,410.0	113.7	112.0	99.96	-6,234.0	-313.8	1,279.0	1,057.9	221.11	5.784 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2E-14H-C268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-90.01	0.0	-19.6	22.4					
100.0	100.0	89.0	89.0	0.1	0.1	-90.01	0.0	-19.6	19.6	19.3	0.27	73.079		
200.0	200.0	189.0	189.0	0.3	0.3	-90.01	0.0	-19.6	19.6	19.0	0.61	31.854		
300.0	300.0	289.0	289.0	0.5	0.5	-90.01	0.0	-19.6	19.6	18.6	0.96	20.312		
400.0	400.0	389.0	389.0	0.7	0.7	-90.01	0.0	-19.6	19.6	18.3	1.31	14.910 CC, ES		
500.0	500.0	489.0	489.0	0.8	0.8	-168.05	0.0	-19.6	21.3	19.6	1.66	12.808		
600.0	599.8	588.8	588.8	1.0	1.0	-170.38	0.0	-19.6	26.4	24.4	2.01	13.155		
700.0	699.5	689.1	689.1	1.2	1.2	-170.88	1.2	-18.9	34.2	31.9	2.36	14.537		
800.0	798.7	788.7	788.6	1.5	1.4	-169.41	4.4	-17.0	44.2	41.5	2.70	16.352		
900.0	897.6	887.9	887.8	1.8	1.5	-168.92	7.6	-15.1	56.5	53.4	3.06	18.454		
1,000.0	996.6	987.2	987.0	2.0	1.7	-168.62	10.8	-13.2	68.7	65.3	3.42	20.119		
1,100.0	1,095.5	1,086.4	1,086.1	2.3	1.9	-168.41	14.0	-11.3	81.0	77.3	3.78	21.460		
1,200.0	1,194.4	1,185.7	1,185.3	2.6	2.1	-168.25	17.2	-9.4	93.3	89.2	4.14	22.564		
1,300.0	1,293.4	1,284.9	1,284.5	2.9	2.3	-168.13	20.4	-7.6	105.6	101.2	4.50	23.487		
1,400.0	1,392.3	1,384.1	1,383.6	3.2	2.4	-168.04	23.6	-5.7	117.9	113.1	4.86	24.270		
1,500.0	1,491.2	1,483.4	1,482.8	3.5	2.6	-167.96	26.8	-3.8	130.3	125.0	5.22	24.943		
1,600.0	1,590.2	1,582.6	1,582.0	3.8	2.8	-167.90	30.0	-1.9	142.6	137.0	5.58	25.527		
1,700.0	1,689.1	1,681.9	1,681.1	4.1	3.0	-167.85	33.2	0.0	154.9	148.9	5.95	26.038		
1,800.0	1,788.0	1,781.1	1,780.3	4.4	3.2	-167.80	36.4	1.9	167.2	160.8	6.31	26.489		
1,900.0	1,887.0	1,880.3	1,879.5	4.7	3.4	-167.76	39.6	3.8	179.5	172.8	6.67	26.891		
2,000.0	1,985.9	1,979.6	1,978.7	5.1	3.5	-167.73	42.8	5.7	191.8	184.7	7.04	27.250		
2,100.0	2,084.9	2,078.8	2,077.8	5.4	3.7	-167.70	46.0	7.6	204.1	196.7	7.40	27.574		
2,200.0	2,183.8	2,178.1	2,177.0	5.7	3.9	-167.67	49.2	9.5	216.4	208.6	7.76	27.867		
2,300.0	2,282.7	2,277.3	2,276.2	6.0	4.1	-167.65	52.4	11.3	228.7	220.5	8.13	28.133		
2,400.0	2,381.7	2,376.5	2,375.3	6.3	4.3	-167.63	55.6	13.2	241.0	232.5	8.49	28.376		
2,500.0	2,480.6	2,475.8	2,474.5	6.6	4.5	-167.61	58.8	15.1	253.3	244.4	8.86	28.599		
2,600.0	2,579.5	2,575.0	2,573.7	6.9	4.7	-167.59	62.0	17.0	265.6	256.3	9.22	28.804		
2,700.0	2,678.5	2,674.3	2,672.9	7.2	4.8	-167.58	65.3	18.9	277.9	268.3	9.58	28.993		
2,800.0	2,777.4	2,773.5	2,772.0	7.5	5.0	-167.56	68.5	20.8	290.2	280.2	9.95	29.168		
2,900.0	2,876.3	2,872.7	2,871.2	7.8	5.2	-167.55	71.7	22.7	302.5	292.2	10.31	29.331		
3,000.0	2,975.3	2,972.0	2,970.4	8.1	5.4	-167.54	74.9	24.6	314.8	304.1	10.68	29.483		
3,100.0	3,074.2	3,071.2	3,069.5	8.4	5.6	-167.53	78.1	26.5	327.1	316.0	11.04	29.624		
3,200.0	3,173.1	3,170.5	3,168.7	8.8	5.8	-167.52	81.3	28.3	339.4	328.0	11.41	29.756		
3,300.0	3,272.1	3,269.7	3,267.9	9.1	5.9	-167.51	84.5	30.2	351.7	339.9	11.77	29.880		
3,400.0	3,371.0	3,368.9	3,367.0	9.4	6.1	-167.50	87.7	32.1	364.0	351.9	12.13	29.997		
3,500.0	3,469.9	3,468.2	3,466.2	9.7	6.3	-167.49	90.9	34.0	376.3	363.8	12.50	30.106		
3,600.0	3,568.9	3,567.4	3,565.4	10.0	6.5	-167.48	94.1	35.9	388.6	375.7	12.86	30.210		
3,700.0	3,667.8	3,666.7	3,664.6	10.3	6.7	-167.47	97.3	37.8	400.9	387.7	13.23	30.307		
3,800.0	3,766.7	3,765.9	3,763.7	10.6	6.9	-167.47	100.5	39.7	413.2	399.6	13.59	30.399		
3,900.0	3,865.7	3,865.1	3,862.9	10.9	7.1	-167.46	103.7	41.6	425.5	411.5	13.96	30.487		
4,000.0	3,964.6	3,964.4	3,962.1	11.2	7.2	-167.45	106.9	43.5	437.8	423.5	14.32	30.570		
4,100.0	4,063.5	4,063.6	4,061.2	11.5	7.4	-167.45	110.1	45.4	450.1	435.4	14.69	30.648		
4,200.0	4,162.5	4,162.9	4,160.4	11.8	7.6	-167.44	113.3	47.2	462.4	447.4	15.05	30.723		
4,300.0	4,261.4	4,262.1	4,259.6	12.2	7.8	-167.44	116.5	49.1	474.7	459.3	15.42	30.795		
4,400.0	4,360.3	4,361.3	4,358.8	12.5	8.0	-167.43	119.7	51.0	487.0	471.2	15.78	30.863		
4,500.0	4,459.3	4,460.6	4,457.9	12.8	8.2	-167.43	122.9	52.9	499.3	483.2	16.14	30.928		
4,600.0	4,558.2	4,559.8	4,557.1	13.1	8.3	-167.42	126.2	54.8	511.6	495.1	16.51	30.990		
4,700.0	4,657.1	4,659.1	4,656.3	13.4	8.5	-167.42	129.4	56.7	523.9	507.0	16.87	31.049		
4,800.0	4,756.1	4,758.3	4,755.4	13.7	8.7	-167.41	132.6	58.6	536.2	519.0	17.24	31.106		
4,900.0	4,855.0	4,857.6	4,854.6	14.0	8.9	-167.41	135.8	60.5	548.5	530.9	17.60	31.160		
5,000.0	4,953.9	4,956.8	4,953.8	14.3	9.1	-167.40	139.0	62.4	560.8	542.9	17.97	31.212		
5,100.0	5,052.9	5,056.0	5,052.9	14.6	9.3	-167.40	142.2	64.2	573.1	554.8	18.33	31.263		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2E-14H-C268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-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	5,151.8	5,155.3	5,152.1	14.9	9.5	-167.40	145.4	66.1	585.4	566.7	18.70	31.311		
5,300.0	5,250.7	5,254.5	5,251.3	15.3	9.6	-167.39	148.6	68.0	597.7	578.7	19.06	31.357		
5,400.0	5,349.7	5,353.8	5,350.5	15.6	9.8	-167.39	151.8	69.9	610.0	590.6	19.43	31.401		
5,500.0	5,448.6	5,453.0	5,449.6	15.9	10.0	-167.39	155.0	71.8	622.3	602.5	19.79	31.444		
5,600.0	5,547.5	5,552.2	5,548.8	16.2	10.2	-167.38	158.2	73.7	634.6	614.5	20.16	31.486		
5,700.0	5,646.5	5,651.5	5,648.0	16.5	10.4	-167.38	161.4	75.6	646.9	626.4	20.52	31.525		
5,800.0	5,745.4	5,750.7	5,747.1	16.8	10.6	-167.38	164.6	77.5	659.2	638.4	20.89	31.564		
5,900.0	5,844.3	5,850.0	5,846.3	17.1	10.8	-167.38	167.8	79.4	671.5	650.3	21.25	31.601		
6,000.0	5,943.3	5,949.2	5,945.5	17.4	10.9	-167.37	171.0	81.3	683.8	662.2	21.62	31.637		
6,100.0	6,042.2	6,048.4	6,044.7	17.7	11.1	-167.37	174.2	83.1	696.1	674.2	21.98	31.672		
6,200.0	6,141.1	6,147.7	6,143.8	18.0	11.3	-167.37	177.4	85.0	708.4	686.1	22.34	31.705		
6,300.0	6,240.1	6,246.9	6,243.0	18.4	11.5	-167.37	180.6	86.9	720.7	698.0	22.71	31.737		
6,400.0	6,339.0	6,346.2	6,342.2	18.7	11.7	-167.36	183.8	88.8	733.0	710.0	23.07	31.769		
6,500.0	6,437.9	6,445.4	6,441.3	19.0	11.9	-167.36	187.0	90.7	745.4	721.9	23.44	31.799		
6,600.0	6,536.9	6,544.6	6,540.5	19.3	12.0	-167.36	190.3	92.6	757.7	733.8	23.80	31.829		
6,700.0	6,635.8	6,643.2	6,639.0	19.6	12.2	177.37	192.6	94.5	770.0	745.8	24.13	31.911		
6,800.0	6,734.3	6,740.0	6,735.2	19.9	12.3	126.87	182.5	96.2	782.3	758.1	24.24	32.273		
6,900.0	6,829.6	6,836.7	6,828.1	20.1	12.4	109.35	156.3	97.7	794.5	770.2	24.30	32.694		
7,000.0	6,919.0	6,933.5	6,915.4	20.2	12.4	101.62	114.9	99.0	806.0	781.6	24.40	33.037		
7,100.0	6,999.7	7,030.4	6,994.6	20.4	12.4	97.26	59.3	100.0	816.5	791.9	24.62	33.164		
7,200.0	7,069.2	7,127.6	7,063.6	20.7	12.6	94.49	-9.1	100.7	825.8	800.7	25.05	32.959		
7,300.0	7,125.5	7,225.1	7,120.1	21.0	12.9	92.66	-88.4	101.0	833.5	807.7	25.76	32.350		
7,400.0	7,166.8	7,323.1	7,162.6	21.3	13.4	91.50	-176.6	101.1	839.4	812.6	26.78	31.342		
7,500.0	7,191.9	7,421.5	7,189.5	21.8	14.1	90.88	-271.2	100.7	843.3	815.2	28.11	30.004		
7,600.0	7,200.0	7,520.4	7,199.9	22.4	14.9	90.74	-369.4	100.1	845.2	815.5	29.71	28.444		
7,700.0	7,200.0	7,620.3	7,200.0	23.1	16.0	90.74	-469.3	99.2	846.1	814.3	31.79	26.614		
7,800.0	7,200.0	7,720.3	7,200.0	23.9	17.1	90.74	-569.3	98.3	846.9	812.9	34.09	24.841		
7,900.0	7,200.0	7,820.3	7,200.0	24.8	18.3	90.74	-669.3	97.5	847.8	811.2	36.59	23.171		
8,000.0	7,200.0	7,920.3	7,200.0	25.8	19.7	90.74	-769.3	96.6	848.7	809.5	39.24	21.628		
8,100.0	7,200.0	8,020.3	7,200.0	26.9	21.0	90.74	-869.3	95.7	849.6	807.5	42.02	20.219		
8,200.0	7,200.0	8,120.3	7,200.0	28.0	22.5	90.74	-969.2	94.8	850.4	805.5	44.90	18.942		
8,300.0	7,200.0	8,220.3	7,200.0	29.2	23.9	90.74	-1,069.2	94.0	851.3	803.5	47.86	17.788		
8,400.0	7,200.0	8,320.3	7,200.0	30.5	25.4	90.74	-1,169.2	93.1	852.2	801.3	50.89	16.745		
8,500.0	7,200.0	8,420.3	7,200.0	31.8	27.0	90.74	-1,269.2	92.2	853.1	799.1	53.98	15.803		
8,600.0	7,200.0	8,520.3	7,200.0	33.1	28.5	90.74	-1,369.2	91.4	853.9	796.8	57.12	14.950		
8,700.0	7,200.0	8,620.3	7,200.0	34.5	30.1	90.74	-1,469.2	90.5	854.8	794.5	60.30	14.176		
8,800.0	7,200.0	8,720.3	7,200.0	35.9	31.7	90.74	-1,569.2	89.6	855.7	792.2	63.51	13.472		
8,900.0	7,200.0	8,820.3	7,200.0	37.4	33.4	90.74	-1,669.2	88.7	856.5	789.8	66.76	12.831		
9,000.0	7,200.0	8,920.3	7,200.0	38.8	35.0	90.74	-1,769.2	87.9	857.4	787.4	70.03	12.244		
9,100.0	7,200.0	9,020.3	7,200.0	40.3	36.6	90.73	-1,869.2	87.0	858.3	785.0	73.32	11.707		
9,200.0	7,200.0	9,120.3	7,200.0	41.8	38.3	90.73	-1,969.2	86.1	859.2	782.5	76.63	11.212		
9,300.0	7,200.0	9,220.3	7,200.0	43.4	39.9	90.73	-2,069.2	85.2	860.0	780.1	79.95	10.757		
9,400.0	7,200.0	9,320.3	7,200.0	44.9	41.6	90.73	-2,169.2	84.4	860.9	777.6	83.30	10.335		
9,500.0	7,200.0	9,420.3	7,200.0	46.5	43.3	90.73	-2,269.1	83.5	861.8	775.1	86.65	9.945		
9,600.0	7,200.0	9,520.3	7,200.0	48.1	45.0	90.73	-2,369.1	82.6	862.7	772.6	90.02	9.583		
9,700.0	7,200.0	9,620.3	7,200.0	49.6	46.7	90.73	-2,469.1	81.8	863.5	770.1	93.40	9.246		
9,800.0	7,200.0	9,720.3	7,200.0	51.2	48.3	90.73	-2,569.1	80.9	864.4	767.6	96.78	8.931		
9,900.0	7,200.0	9,820.3	7,200.0	52.9	50.0	90.73	-2,669.1	80.0	865.3	765.1	100.18	8.637		
10,000.0	7,200.0	9,920.2	7,200.0	54.5	51.7	90.73	-2,769.1	79.1	866.1	762.6	103.58	8.362		
10,100.0	7,200.0	10,020.2	7,200.0	56.1	53.4	90.73	-2,869.1	78.3	867.0	760.0	106.99	8.104		
10,200.0	7,200.0	10,120.2	7,200.0	57.7	55.2	90.73	-2,969.1	77.4	867.9	757.5	110.40	7.861		
10,300.0	7,200.0	10,220.2	7,200.0	59.4	56.9	90.73	-3,069.1	76.5	868.8	754.9	113.82	7.633		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2E-14H-C268 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	7,200.0	10,320.2	7,200.0	61.0	58.6	90.72	-3,169.1	75.6	869.6	752.4	117.25	7.417		
10,500.0	7,200.0	10,420.2	7,200.0	62.7	60.3	90.72	-3,269.1	74.8	870.5	749.8	120.68	7.213		
10,600.0	7,200.0	10,520.2	7,200.0	64.3	62.0	90.72	-3,369.1	73.9	871.4	747.3	124.12	7.021		
10,700.0	7,200.0	10,620.2	7,200.0	66.0	63.7	90.72	-3,469.1	73.0	872.3	744.7	127.55	6.838		
10,800.0	7,200.0	10,720.2	7,200.0	67.7	65.4	90.72	-3,569.0	72.2	873.1	742.1	131.00	6.665		
10,900.0	7,200.0	10,820.2	7,200.0	69.3	67.2	90.72	-3,669.0	71.3	874.0	739.6	134.44	6.501		
11,000.0	7,200.0	10,920.2	7,200.0	71.0	68.9	90.72	-3,769.0	70.4	874.9	737.0	137.89	6.345		
11,100.0	7,200.0	11,020.2	7,200.0	72.7	70.6	90.72	-3,869.0	69.5	875.7	734.4	141.34	6.196		
11,200.0	7,200.0	11,120.2	7,200.0	74.4	72.3	90.72	-3,969.0	68.7	876.6	731.8	144.80	6.054		
11,300.0	7,200.0	11,220.2	7,200.0	76.0	74.1	90.72	-4,069.0	67.8	877.5	729.2	148.26	5.919		
11,400.0	7,200.0	11,320.2	7,200.0	77.7	75.8	90.72	-4,169.0	66.9	878.4	726.6	151.72	5.790		
11,500.0	7,200.0	11,420.2	7,200.0	79.4	77.5	90.72	-4,269.0	66.0	879.2	724.1	155.18	5.666		
11,600.0	7,200.0	11,520.2	7,200.0	81.1	79.3	90.72	-4,369.0	65.2	880.1	721.5	158.64	5.548		
11,700.0	7,200.0	11,620.2	7,200.0	82.8	81.0	90.72	-4,469.0	64.3	881.0	718.9	162.11	5.435		
11,800.0	7,200.0	11,720.2	7,200.0	84.5	82.7	90.71	-4,569.0	63.4	881.9	716.3	165.57	5.326		
11,900.0	7,200.0	11,820.2	7,200.0	86.2	84.5	90.71	-4,669.0	62.6	882.7	713.7	169.04	5.222		
12,000.0	7,200.0	11,920.2	7,200.0	87.9	86.2	90.71	-4,769.0	61.7	883.6	711.1	172.51	5.122		
12,100.0	7,200.0	12,020.2	7,200.0	89.6	87.9	90.71	-4,868.9	60.8	884.5	708.5	175.99	5.026		
12,200.0	7,200.0	12,120.2	7,200.0	91.3	89.7	90.71	-4,968.9	59.9	885.3	705.9	179.46	4.933		
12,300.0	7,200.0	12,220.2	7,200.0	93.0	91.4	90.71	-5,068.9	59.1	886.2	703.3	182.93	4.844		
12,400.0	7,200.0	12,320.2	7,200.0	94.8	93.1	90.71	-5,168.9	58.2	887.1	700.7	186.41	4.759		
12,500.0	7,200.0	12,420.2	7,200.0	96.5	94.9	90.71	-5,268.9	57.3	888.0	698.1	189.89	4.676		
12,600.0	7,200.0	12,520.1	7,200.0	98.2	96.6	90.71	-5,368.9	56.4	888.8	695.5	193.37	4.597		
12,700.0	7,200.0	12,620.1	7,200.0	99.9	98.4	90.71	-5,468.9	55.6	889.7	692.9	196.84	4.520		
12,800.0	7,200.0	12,720.1	7,200.0	101.6	100.1	90.71	-5,568.9	54.7	890.6	690.3	200.33	4.446		
12,900.0	7,200.0	12,820.1	7,200.0	103.3	101.8	90.71	-5,668.9	53.8	891.5	687.6	203.81	4.374		
13,000.0	7,200.0	12,920.1	7,200.0	105.0	103.6	90.71	-5,768.9	53.0	892.3	685.0	207.29	4.305		
13,100.0	7,200.0	13,020.1	7,200.0	106.8	105.3	90.71	-5,868.9	52.1	893.2	682.4	210.77	4.238		
13,200.0	7,200.0	13,120.1	7,200.0	108.5	107.1	90.70	-5,968.9	51.2	894.1	679.8	214.26	4.173		
13,300.0	7,200.0	13,220.1	7,200.0	110.2	108.8	90.70	-6,068.9	50.3	894.9	677.2	217.74	4.110		
13,400.0	7,200.0	13,320.1	7,200.0	111.9	110.6	90.70	-6,168.8	49.5	895.8	674.6	221.23	4.049		
13,500.0	7,200.0	13,420.1	7,200.0	113.7	112.3	90.70	-6,268.8	48.6	896.7	672.0	224.71	3.990		
13,600.0	7,200.0	13,520.1	7,200.0	115.4	114.0	90.70	-6,368.8	47.7	897.6	669.4	228.20	3.933		
13,700.0	7,200.0	13,620.1	7,200.0	117.1	115.8	90.70	-6,468.8	46.8	898.4	666.7	231.69	3.878		
13,800.0	7,200.0	13,720.1	7,200.0	118.8	117.5	90.70	-6,568.8	46.0	899.3	664.1	235.17	3.824		
13,900.0	7,200.0	13,820.1	7,200.0	120.6	119.3	90.70	-6,668.8	45.1	900.2	661.5	238.66	3.772		
13,937.0	7,200.0	13,857.1	7,200.0	121.2	119.9	90.70	-6,705.8	44.8	900.5	660.5	239.95	3.753 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2F-14H-C268 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-90.02	0.0	-11.2	15.7						
100.0	100.0	89.0	89.0	0.1	0.1	-90.02	0.0	-11.2	11.2	10.9	0.27	41.759			
200.0	200.0	189.0	189.0	0.3	0.3	-90.02	0.0	-11.2	11.2	10.6	0.61	18.202			
300.0	300.0	289.0	289.0	0.5	0.5	-90.02	0.0	-11.2	11.2	10.2	0.96	11.607			
400.0	400.0	389.0	389.0	0.7	0.7	-90.02	0.0	-11.2	11.2	9.9	1.31	8.520 CC, ES			
500.0	500.0	489.0	489.0	0.8	0.8	-168.75	0.0	-11.2	12.9	11.2	1.66	7.760			
600.0	599.8	589.4	589.3	1.0	1.0	-170.88	0.4	-9.9	16.7	14.7	2.01	8.315			
700.0	699.5	689.9	689.8	1.2	1.2	-171.31	2.0	-5.2	20.6	18.2	2.36	8.742			
800.0	798.7	790.6	790.1	1.5	1.4	-170.82	4.7	2.8	24.5	21.8	2.71	9.071			
900.0	897.6	890.5	889.5	1.8	1.6	-170.35	7.9	12.4	29.1	26.0	3.06	9.504			
1,000.0	996.6	990.4	988.9	2.0	1.8	-170.02	11.1	22.0	33.7	30.3	3.42	9.856			
1,100.0	1,095.5	1,090.3	1,088.2	2.3	2.1	-169.77	14.3	31.6	38.3	34.5	3.78	10.139			
1,200.0	1,194.4	1,190.2	1,187.6	2.6	2.3	-169.58	17.5	41.2	42.9	38.8	4.14	10.370			
1,300.0	1,293.4	1,290.1	1,287.0	2.9	2.5	-169.42	20.7	50.8	47.5	43.0	4.50	10.563			
1,400.0	1,392.3	1,390.0	1,386.4	3.2	2.8	-169.29	23.9	60.4	52.2	47.3	4.86	10.726			
1,500.0	1,491.2	1,489.9	1,485.8	3.5	3.0	-169.19	27.1	70.0	56.8	51.5	5.22	10.866			
1,600.0	1,590.2	1,589.8	1,585.1	3.8	3.3	-169.09	30.3	79.6	61.4	55.8	5.59	10.986			
1,700.0	1,689.1	1,689.7	1,684.5	4.1	3.5	-169.02	33.5	89.2	66.0	60.0	5.95	11.092			
1,800.0	1,788.0	1,789.5	1,783.9	4.4	3.8	-168.95	36.7	98.8	70.6	64.3	6.31	11.184			
1,900.0	1,887.0	1,889.4	1,883.3	4.7	4.0	-168.89	39.9	108.4	75.2	68.5	6.68	11.267			
2,000.0	1,985.9	1,989.3	1,982.7	5.1	4.2	-168.83	43.1	118.0	79.8	72.8	7.04	11.340			
2,100.0	2,084.9	2,089.2	2,082.0	5.4	4.5	-168.79	46.3	127.6	84.4	77.0	7.40	11.406			
2,200.0	2,183.8	2,189.1	2,181.4	5.7	4.7	-168.74	49.5	137.2	89.1	81.3	7.77	11.466			
2,300.0	2,282.7	2,289.0	2,280.8	6.0	5.0	-168.71	52.7	146.7	93.7	85.5	8.13	11.520			
2,400.0	2,381.7	2,388.9	2,380.2	6.3	5.2	-168.67	55.9	156.3	98.3	89.8	8.50	11.569			
2,500.0	2,480.6	2,488.8	2,479.6	6.6	5.5	-168.64	59.1	165.9	102.9	94.0	8.86	11.614			
2,600.0	2,579.5	2,588.7	2,578.9	6.9	5.7	-168.61	62.3	175.5	107.5	98.3	9.22	11.656			
2,700.0	2,678.5	2,688.6	2,678.3	7.2	6.0	-168.58	65.5	185.1	112.1	102.5	9.59	11.694			
2,800.0	2,777.4	2,788.5	2,777.7	7.5	6.2	-168.56	68.7	194.7	116.7	106.8	9.95	11.730			
2,900.0	2,876.3	2,888.4	2,877.1	7.8	6.5	-168.54	71.9	204.3	121.4	111.0	10.32	11.762			
3,000.0	2,975.3	2,988.3	2,976.5	8.1	6.7	-168.52	75.1	213.9	126.0	115.3	10.68	11.793			
3,100.0	3,074.2	3,088.2	3,075.8	8.4	7.0	-168.50	78.4	223.5	130.6	119.5	11.05	11.821			
3,200.0	3,173.1	3,188.1	3,175.2	8.8	7.2	-168.48	81.6	233.1	135.2	123.8	11.41	11.848			
3,300.0	3,272.1	3,287.9	3,274.6	9.1	7.5	-168.46	84.8	242.7	139.8	128.0	11.78	11.873			
3,400.0	3,371.0	3,387.8	3,374.0	9.4	7.7	-168.45	88.0	252.3	144.4	132.3	12.14	11.896			
3,500.0	3,469.9	3,487.7	3,473.4	9.7	7.9	-168.43	91.2	261.9	149.0	136.5	12.51	11.918			
3,600.0	3,568.9	3,587.6	3,572.7	10.0	8.2	-168.42	94.4	271.5	153.7	140.8	12.87	11.939			
3,700.0	3,667.8	3,687.5	3,672.1	10.3	8.4	-168.40	97.6	281.1	158.3	145.0	13.23	11.958			
3,800.0	3,766.7	3,787.4	3,771.5	10.6	8.7	-168.39	100.8	290.7	162.9	149.3	13.60	11.977			
3,900.0	3,865.7	3,887.3	3,870.9	10.9	8.9	-168.38	104.0	300.3	167.5	153.5	13.96	11.994			
4,000.0	3,964.6	3,987.2	3,970.3	11.2	9.2	-168.37	107.2	309.9	172.1	157.8	14.33	12.011			
4,100.0	4,063.5	4,087.1	4,069.6	11.5	9.4	-168.36	110.4	319.5	176.7	162.0	14.69	12.027			
4,200.0	4,162.5	4,187.0	4,169.0	11.8	9.7	-168.35	113.6	329.1	181.3	166.3	15.06	12.041			
4,300.0	4,261.4	4,286.9	4,268.4	12.2	9.9	-168.34	116.8	338.7	185.9	170.5	15.42	12.056			
4,400.0	4,360.3	4,386.8	4,367.8	12.5	10.2	-168.33	120.0	348.3	190.6	174.8	15.79	12.069			
4,500.0	4,459.3	4,486.7	4,467.2	12.8	10.4	-168.32	123.2	357.9	195.2	179.0	16.15	12.082			
4,600.0	4,558.2	4,586.6	4,566.5	13.1	10.7	-168.31	126.4	367.5	199.8	183.3	16.52	12.095			
4,700.0	4,657.1	4,686.5	4,665.9	13.4	10.9	-168.30	129.6	377.1	204.4	187.5	16.88	12.106			
4,800.0	4,756.1	4,786.3	4,765.3	13.7	11.2	-168.30	132.8	386.7	209.0	191.8	17.25	12.118			
4,900.0	4,855.0	4,886.2	4,864.7	14.0	11.4	-168.29	136.0	396.3	213.6	196.0	17.61	12.128			
5,000.0	4,953.9	4,986.1	4,964.1	14.3	11.7	-168.28	139.2	405.9	218.2	200.3	17.98	12.139			
5,100.0	5,052.9	5,086.0	5,063.4	14.6	11.9	-168.28	142.4	415.5	222.9	204.5	18.34	12.149			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2F-14H-C268 - Hz - Plan #2												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor	
5,200.0	5,151.8	5,185.9	5,162.8	14.9	12.2	-168.27	145.6	425.1	227.5	208.8	18.71	12.158	
5,300.0	5,250.7	5,285.8	5,262.2	15.3	12.4	-168.26	148.8	434.7	232.1	213.0	19.07	12.168	
5,400.0	5,349.7	5,385.7	5,361.6	15.6	12.7	-168.26	152.0	444.3	236.7	217.3	19.44	12.176	
5,500.0	5,448.6	5,485.6	5,461.0	15.9	12.9	-168.25	155.2	453.9	241.3	221.5	19.80	12.185	
5,600.0	5,547.5	5,585.5	5,560.3	16.2	13.2	-168.25	158.5	463.5	245.9	225.8	20.17	12.193	
5,700.0	5,646.5	5,685.4	5,659.7	16.5	13.4	-168.24	161.7	473.1	250.5	230.0	20.53	12.201	
5,800.0	5,745.4	5,785.3	5,759.1	16.8	13.7	-168.24	164.9	482.7	255.2	234.3	20.90	12.209	
5,900.0	5,844.3	5,885.2	5,858.5	17.1	13.9	-168.23	168.1	492.3	259.8	238.5	21.26	12.216	
6,000.0	5,943.3	5,985.1	5,957.9	17.4	14.1	-168.23	171.3	501.9	264.4	242.8	21.63	12.223	
6,100.0	6,042.2	6,085.0	6,057.2	17.7	14.4	-168.22	174.5	511.5	269.0	247.0	22.00	12.230	
6,200.0	6,141.1	6,184.9	6,156.6	18.0	14.6	-168.22	177.7	521.0	273.6	251.3	22.36	12.236	
6,300.0	6,240.1	6,284.8	6,256.0	18.4	14.9	-168.21	180.9	530.6	278.2	255.5	22.73	12.243	
6,400.0	6,339.0	6,384.6	6,355.4	18.7	15.1	-168.21	184.1	540.2	282.8	259.7	23.09	12.249	
6,500.0	6,437.9	6,484.5	6,454.8	19.0	15.4	-168.21	187.3	549.8	287.5	264.0	23.46	12.255	
6,600.0	6,536.9	6,584.4	6,554.1	19.3	15.6	-168.20	190.5	559.4	292.1	268.2	23.82	12.261	
6,700.0	6,635.8	6,684.3	6,653.5	19.6	15.9	-176.81	193.7	569.0	296.7	272.5	24.18	12.269	
6,800.0	6,734.3	6,783.3	6,752.0	19.9	16.1	-129.53	196.9	578.5	301.3	276.6	24.69	12.201	
6,900.0	6,829.6	6,880.2	6,848.4	20.1	16.4	-117.81	199.3	587.8	307.7	282.3	25.42	12.104	
7,000.0	6,919.0	6,983.1	6,950.1	20.2	16.6	-116.31	188.4	597.5	317.5	291.6	25.91	12.254	
7,100.0	6,999.7	7,093.3	7,055.0	20.4	16.7	-117.62	156.7	607.1	329.9	304.0	25.88	12.747	
7,200.0	7,069.2	7,211.7	7,158.8	20.7	16.8	-119.79	100.8	616.3	343.6	318.3	25.36	13.550	
7,300.0	7,125.5	7,339.2	7,255.3	21.0	17.0	-122.01	18.2	624.4	357.3	332.6	24.66	14.486	
7,400.0	7,166.8	7,475.7	7,335.7	21.3	17.4	-123.86	-91.5	630.6	369.1	344.8	24.37	15.145	
7,500.0	7,191.9	7,619.8	7,390.1	21.8	18.0	-125.03	-224.4	634.0	377.7	352.6	25.12	15.037	
7,600.0	7,200.0	7,768.5	7,410.0	22.4	19.0	-125.37	-371.3	633.9	381.8	354.6	27.24	14.016	
7,700.0	7,200.0	7,869.5	7,410.0	23.1	19.8	-125.25	-472.3	632.5	383.0	354.0	28.92	13.243	
7,800.0	7,200.0	7,969.4	7,410.0	23.9	20.7	-125.13	-572.3	631.1	384.1	353.3	30.76	12.487	
7,900.0	7,200.0	8,069.4	7,410.0	24.8	21.7	-125.01	-672.3	629.7	385.2	352.5	32.76	11.759	
8,000.0	7,200.0	8,169.4	7,410.0	25.8	22.8	-124.89	-772.2	628.3	386.4	351.5	34.90	11.072	
8,100.0	7,200.0	8,269.4	7,410.0	26.9	24.0	-124.77	-872.2	626.9	387.5	350.4	37.14	10.434	
8,200.0	7,200.0	8,369.4	7,410.0	28.0	25.3	-124.65	-972.2	625.5	388.7	349.2	39.48	9.844	
8,300.0	7,200.0	8,469.4	7,410.0	29.2	26.6	-124.54	-1,072.2	624.1	389.8	347.9	41.90	9.303	
8,400.0	7,200.0	8,569.4	7,410.0	30.5	28.0	-124.42	-1,172.2	622.7	391.0	346.6	44.39	8.807	
8,500.0	7,200.0	8,669.4	7,410.0	31.8	29.4	-124.31	-1,272.1	621.3	392.1	345.2	46.94	8.354	
8,600.0	7,200.0	8,769.4	7,410.0	33.1	30.8	-124.19	-1,372.1	619.9	393.3	343.8	49.54	7.939	
8,700.0	7,200.0	8,869.4	7,410.0	34.5	32.3	-124.08	-1,472.1	618.5	394.4	342.3	52.18	7.559	
8,800.0	7,200.0	8,969.3	7,410.0	35.9	33.8	-123.96	-1,572.1	617.1	395.6	340.7	54.87	7.210	
8,900.0	7,200.0	9,069.3	7,410.0	37.4	35.3	-123.85	-1,672.1	615.7	396.8	339.2	57.58	6.890	
9,000.0	7,200.0	9,169.3	7,410.0	38.8	36.9	-123.74	-1,772.0	614.3	397.9	337.6	60.33	6.596	
9,100.0	7,200.0	9,269.3	7,410.0	40.3	38.4	-123.63	-1,872.0	612.9	399.1	336.0	63.11	6.324	
9,200.0	7,200.0	9,369.3	7,410.0	41.8	40.0	-123.52	-1,972.0	611.5	400.2	334.3	65.91	6.073	
9,300.0	7,200.0	9,469.3	7,410.0	43.4	41.6	-123.41	-2,072.0	610.1	401.4	332.7	68.73	5.840	
9,400.0	7,200.0	9,569.3	7,410.0	44.9	43.2	-123.30	-2,172.0	608.7	402.6	331.0	71.58	5.624	
9,500.0	7,200.0	9,669.3	7,410.0	46.5	44.8	-123.19	-2,271.9	607.3	403.7	329.3	74.45	5.423	
9,600.0	7,200.0	9,769.3	7,410.0	48.1	46.4	-123.08	-2,371.9	605.9	404.9	327.6	77.33	5.236	
9,700.0	7,200.0	9,869.3	7,410.0	49.6	48.1	-122.97	-2,471.9	604.5	406.1	325.9	80.23	5.062	
9,800.0	7,200.0	9,969.2	7,410.0	51.2	49.7	-122.87	-2,571.9	603.1	407.3	324.1	83.14	4.898	
9,900.0	7,200.0	10,069.2	7,410.0	52.9	51.4	-122.76	-2,671.9	601.7	408.4	322.4	86.07	4.745	
10,000.0	7,200.0	10,169.2	7,410.0	54.5	53.0	-122.65	-2,771.8	600.3	409.6	320.6	89.01	4.602	
10,100.0	7,200.0	10,269.2	7,410.0	56.1	54.7	-122.55	-2,871.8	598.9	410.8	318.8	91.97	4.467	
10,200.0	7,200.0	10,369.2	7,410.0	57.7	56.3	-122.45	-2,971.8	597.5	412.0	317.0	94.94	4.339	
10,300.0	7,200.0	10,469.2	7,410.0	59.4	58.0	-122.34	-3,071.8	596.2	413.1	315.2	97.92	4.219	

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Elmquist 2F-14H-C268 - Hz - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,400.0	7,200.0	10,569.2	7,410.0	61.0	59.7	122.24	-3,171.8	594.8	414.3	313.4	100.91	4.106		
10,500.0	7,200.0	10,669.2	7,410.0	62.7	61.4	122.14	-3,271.8	593.4	415.5	311.6	103.91	3.999		
10,600.0	7,200.0	10,769.2	7,410.0	64.3	63.1	122.03	-3,371.7	592.0	416.7	309.8	106.92	3.897		
10,700.0	7,200.0	10,869.2	7,410.0	66.0	64.8	121.93	-3,471.7	590.6	417.9	307.9	109.94	3.801		
10,800.0	7,200.0	10,969.1	7,410.0	67.7	66.4	121.83	-3,571.7	589.2	419.1	306.1	112.97	3.709		
10,900.0	7,200.0	11,069.1	7,410.0	69.3	68.1	121.73	-3,671.7	587.8	420.2	304.2	116.01	3.623		
11,000.0	7,200.0	11,169.1	7,410.0	71.0	69.8	121.63	-3,771.7	586.4	421.4	302.4	119.05	3.540		
11,100.0	7,200.0	11,269.1	7,410.0	72.7	71.5	121.53	-3,871.6	585.0	422.6	300.5	122.11	3.461		
11,200.0	7,200.0	11,369.1	7,410.0	74.4	73.2	121.43	-3,971.6	583.6	423.8	298.6	125.17	3.386		
11,300.0	7,200.0	11,469.1	7,410.0	76.0	75.0	121.33	-4,071.6	582.2	425.0	296.8	128.24	3.314		
11,400.0	7,200.0	11,569.1	7,410.0	77.7	76.7	121.24	-4,171.6	580.8	426.2	294.9	131.32	3.245		
11,500.0	7,200.0	11,669.1	7,410.0	79.4	78.4	121.14	-4,271.6	579.4	427.4	293.0	134.41	3.180		
11,600.0	7,200.0	11,769.1	7,410.0	81.1	80.1	121.04	-4,371.5	578.0	428.6	291.1	137.50	3.117		
11,700.0	7,200.0	11,869.1	7,410.0	82.8	81.8	120.95	-4,471.5	576.6	429.8	289.2	140.60	3.057		
11,800.0	7,200.0	11,969.1	7,410.0	84.5	83.5	120.85	-4,571.5	575.2	431.0	287.3	143.71	2.999		
11,900.0	7,200.0	12,069.0	7,410.0	86.2	85.2	120.76	-4,671.5	573.8	432.2	285.4	146.82	2.944		
12,000.0	7,200.0	12,169.0	7,410.0	87.9	87.0	120.66	-4,771.5	572.4	433.4	283.4	149.94	2.890		
12,100.0	7,200.0	12,269.0	7,410.0	89.6	88.7	120.57	-4,871.4	571.0	434.6	281.5	153.06	2.839		
12,200.0	7,200.0	12,369.0	7,410.0	91.3	90.4	120.48	-4,971.4	569.6	435.8	279.6	156.20	2.790		
12,300.0	7,200.0	12,469.0	7,410.0	93.0	92.1	120.38	-5,071.4	568.2	437.0	277.7	159.33	2.743		
12,400.0	7,200.0	12,569.0	7,410.0	94.8	93.8	120.29	-5,171.4	566.8	438.2	275.7	162.48	2.697		
12,500.0	7,200.0	12,669.0	7,410.0	96.5	95.6	120.20	-5,271.4	565.4	439.4	273.8	165.62	2.653		
12,600.0	7,200.0	12,769.0	7,410.0	98.2	97.3	120.11	-5,371.3	564.0	440.6	271.8	168.78	2.611		
12,700.0	7,200.0	12,869.0	7,410.0	99.9	99.0	120.02	-5,471.3	562.6	441.8	269.9	171.94	2.570		
12,800.0	7,200.0	12,969.0	7,410.0	101.6	100.7	119.93	-5,571.3	561.2	443.0	267.9	175.10	2.530		
12,900.0	7,200.0	13,068.9	7,410.0	103.3	102.5	119.84	-5,671.3	559.9	444.2	266.0	178.27	2.492		
13,000.0	7,200.0	13,168.9	7,410.0	105.0	104.2	119.75	-5,771.3	558.5	445.4	264.0	181.45	2.455		
13,100.0	7,200.0	13,268.9	7,410.0	106.8	105.9	119.66	-5,871.2	557.1	446.7	262.0	184.63	2.419		
13,200.0	7,200.0	13,368.9	7,410.0	108.5	107.7	119.57	-5,971.2	555.7	447.9	260.1	187.81	2.385		
13,300.0	7,200.0	13,468.9	7,410.0	110.2	109.4	119.48	-6,071.2	554.3	449.1	258.1	191.00	2.351		
13,400.0	7,200.0	13,568.9	7,410.0	111.9	111.1	119.39	-6,171.2	552.9	450.3	256.1	194.20	2.319		
13,500.0	7,200.0	13,668.9	7,410.0	113.7	112.9	119.31	-6,271.2	551.5	451.5	254.1	197.40	2.287		
13,600.0	7,200.0	13,768.9	7,410.0	115.4	114.6	119.22	-6,371.1	550.1	452.7	252.1	200.60	2.257		
13,700.0	7,200.0	13,868.9	7,410.0	117.1	116.3	119.13	-6,471.1	548.7	454.0	250.2	203.81	2.227		
13,800.0	7,200.0	13,968.9	7,410.0	118.8	118.1	119.05	-6,571.1	547.3	455.2	248.2	207.02	2.199		
13,900.0	7,200.0	14,068.8	7,410.0	120.6	119.8	118.96	-6,671.1	545.9	456.4	246.2	210.24	2.171		
13,937.0	7,200.0	14,105.8	7,410.0	121.2	120.4	118.93	-6,708.1	545.4	456.9	245.4	211.43	2.161 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2A-14H-C268 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-174.81	-553.7	-50.3	556.1						
100.0	100.0	89.0	89.0	0.1	0.1	-174.81	-553.7	-50.3	556.0	555.7	0.27	2,076.257			
200.0	200.0	189.0	189.0	0.3	0.3	-174.81	-553.7	-50.3	556.0	555.4	0.61	905.001 CC			
300.0	300.0	286.5	286.4	0.5	0.5	-174.67	-553.8	-51.6	556.2	555.2	0.96	579.714 ES			
400.0	400.0	383.4	383.3	0.7	0.7	-174.21	-554.1	-56.2	556.9	555.6	1.31	426.516			
500.0	500.0	479.8	479.3	0.8	0.9	109.71	-554.5	-63.9	558.9	557.2	1.71	326.710			
600.0	599.8	574.8	573.8	1.0	1.1	111.20	-555.2	-74.8	562.9	560.7	2.14	263.104			
700.0	699.5	668.0	665.9	1.2	1.4	113.18	-556.0	-88.4	569.5	566.9	2.62	217.282			
800.0	798.7	758.6	755.1	1.5	1.7	115.54	-556.9	-104.5	579.3	576.2	3.16	183.360			
900.0	897.6	846.7	841.2	1.8	2.1	118.32	-558.0	-122.9	592.6	588.9	3.73	158.981			
1,000.0	996.6	937.7	929.7	2.0	2.5	121.29	-559.3	-143.9	608.4	604.1	4.32	140.970			
1,100.0	1,095.5	1,030.5	1,020.0	2.3	2.9	124.19	-560.6	-165.5	626.1	621.2	4.90	127.812			
1,200.0	1,194.4	1,123.4	1,110.3	2.6	3.3	126.94	-561.9	-187.1	645.5	640.0	5.46	118.134			
1,300.0	1,293.4	1,216.3	1,200.6	2.9	3.7	129.55	-563.2	-208.7	666.3	660.3	6.01	110.896			
1,400.0	1,392.3	1,309.1	1,290.9	3.2	4.1	132.00	-564.5	-230.3	688.5	682.0	6.53	105.414			
1,500.0	1,491.2	1,402.0	1,381.3	3.5	4.5	134.31	-565.7	-251.9	712.0	704.9	7.03	101.225			
1,600.0	1,590.2	1,494.9	1,471.6	3.8	4.9	136.49	-567.0	-273.5	736.6	729.0	7.52	98.008			
1,700.0	1,689.1	1,587.7	1,561.9	4.1	5.3	138.53	-568.3	-295.1	762.2	754.2	7.98	95.534			
1,800.0	1,788.0	1,680.6	1,652.2	4.4	5.8	140.44	-569.6	-316.7	788.7	780.2	8.42	93.638			
1,900.0	1,887.0	1,773.4	1,742.5	4.7	6.2	142.24	-570.9	-338.3	816.0	807.1	8.85	92.193			
2,000.0	1,985.9	1,866.3	1,832.8	5.1	6.6	143.93	-572.2	-359.9	844.1	834.8	9.26	91.106			
2,100.0	2,084.9	1,959.2	1,923.1	5.4	7.0	145.51	-573.5	-381.5	872.8	863.2	9.67	90.305			
2,200.0	2,183.8	2,052.0	2,013.4	5.7	7.4	147.00	-574.8	-403.1	902.2	892.1	10.05	89.733			
2,300.0	2,282.7	2,144.9	2,103.7	6.0	7.8	148.40	-576.0	-424.7	932.1	921.7	10.43	89.346			
2,400.0	2,381.7	2,237.8	2,194.0	6.3	8.3	149.72	-577.3	-446.3	962.5	951.7	10.80	89.108			
2,500.0	2,480.6	2,330.6	2,284.3	6.6	8.7	150.95	-578.6	-467.9	993.4	982.2	11.16	88.992			
2,600.0	2,579.5	2,423.5	2,374.6	6.9	9.1	152.12	-579.9	-489.5	1,024.7	1,013.1	11.52	88.974 SF			
2,700.0	2,678.5	2,516.4	2,464.9	7.2	9.5	153.22	-581.2	-511.1	1,056.3	1,044.5	11.86	89.036			
2,800.0	2,777.4	2,609.2	2,555.2	7.5	9.9	154.26	-582.5	-532.7	1,088.3	1,076.1	12.21	89.162			
2,900.0	2,876.3	2,702.1	2,645.6	7.8	10.4	155.24	-583.8	-554.4	1,120.6	1,108.1	12.54	89.340			
3,000.0	2,975.3	2,794.9	2,735.9	8.1	10.8	156.16	-585.1	-576.0	1,153.2	1,140.4	12.88	89.560			
3,100.0	3,074.2	2,887.8	2,826.2	8.4	11.2	157.04	-586.4	-597.6	1,186.1	1,172.9	13.21	89.813			
3,200.0	3,173.1	2,980.7	2,916.5	8.8	11.6	157.87	-587.6	-619.2	1,219.2	1,205.7	13.53	90.093			
3,300.0	3,272.1	3,073.5	3,006.8	9.1	12.0	158.66	-588.9	-640.8	1,252.6	1,238.7	13.86	90.393			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2B-14H-C268 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-175.67	-553.7	-41.9	555.4						
100.0	100.0	89.0	89.0	0.1	0.1	-175.67	-553.7	-41.9	555.3	555.0	0.27	2,073.657			
200.0	200.0	189.0	189.0	0.3	0.3	-175.67	-553.7	-41.9	555.3	554.7	0.61	903.868			
300.0	300.0	289.0	289.0	0.5	0.5	-175.67	-553.7	-41.9	555.3	554.3	0.96	576.379 CC			
400.0	400.0	386.3	386.3	0.7	0.7	-175.54	-553.8	-43.2	555.5	554.2	1.31	424.648 ES			
500.0	500.0	483.0	482.9	0.8	0.8	108.08	-554.2	-47.8	556.8	555.2	1.67	333.583			
600.0	599.8	578.7	578.3	1.0	1.0	109.28	-554.8	-55.4	560.0	557.9	2.06	271.925			
700.0	699.5	672.8	671.8	1.2	1.3	111.02	-555.7	-66.1	565.4	562.9	2.50	226.391			
800.0	798.7	764.7	762.7	1.5	1.5	113.20	-556.8	-79.4	573.6	570.7	2.99	191.623			
900.0	897.6	856.4	853.0	1.8	1.8	115.87	-558.2	-95.4	584.9	581.4	3.52	166.132			
1,000.0	996.6	951.1	946.1	2.0	2.2	118.61	-559.6	-112.5	597.8	593.8	4.06	147.083			
1,100.0	1,095.5	1,045.8	1,039.3	2.3	2.5	121.25	-561.0	-129.5	612.2	607.6	4.60	132.994			
1,200.0	1,194.4	1,140.5	1,132.4	2.6	2.8	123.76	-562.4	-146.6	627.8	622.7	5.13	122.358			
1,300.0	1,293.4	1,235.2	1,225.5	2.9	3.1	126.16	-563.8	-163.6	644.7	639.1	5.65	114.192			
1,400.0	1,392.3	1,329.9	1,318.7	3.2	3.5	128.44	-565.2	-180.7	662.7	656.6	6.15	107.835			
1,500.0	1,491.2	1,424.6	1,411.8	3.5	3.8	130.61	-566.7	-197.7	681.8	675.2	6.63	102.830			
1,600.0	1,590.2	1,519.3	1,505.0	3.8	4.2	132.66	-568.1	-214.8	701.8	694.7	7.10	98.854			
1,700.0	1,689.1	1,614.0	1,598.1	4.1	4.5	134.61	-569.5	-231.8	722.7	715.1	7.55	95.674			
1,800.0	1,788.0	1,708.7	1,691.2	4.4	4.8	136.45	-570.9	-248.9	744.3	736.4	7.99	93.119			
1,900.0	1,887.0	1,803.4	1,784.4	4.7	5.2	138.19	-572.3	-266.0	766.8	758.3	8.42	91.061			
2,000.0	1,985.9	1,898.1	1,877.5	5.1	5.5	139.84	-573.7	-283.0	789.8	781.0	8.83	89.400			
2,100.0	2,084.9	1,992.8	1,970.7	5.4	5.9	141.39	-575.2	-300.1	813.5	804.3	9.24	88.061			
2,200.0	2,183.8	2,087.5	2,063.8	5.7	6.2	142.86	-576.6	-317.1	837.8	828.2	9.63	86.985			
2,300.0	2,282.7	2,182.2	2,156.9	6.0	6.6	144.25	-578.0	-334.2	862.6	852.6	10.02	86.124			
2,400.0	2,381.7	2,276.9	2,250.1	6.3	6.9	145.57	-579.4	-351.2	887.8	877.4	10.39	85.440			
2,500.0	2,480.6	2,371.6	2,343.2	6.6	7.2	146.81	-580.8	-368.3	913.5	902.7	10.76	84.902			
2,600.0	2,579.5	2,466.3	2,436.4	6.9	7.6	147.99	-582.2	-385.4	939.6	928.4	11.12	84.486			
2,700.0	2,678.5	2,561.0	2,529.5	7.2	7.9	149.11	-583.7	-402.4	966.0	954.5	11.48	84.172			
2,800.0	2,777.4	2,655.7	2,622.7	7.5	8.3	150.17	-585.1	-419.5	992.8	981.0	11.83	83.942			
2,900.0	2,876.3	2,750.4	2,715.8	7.8	8.6	151.17	-586.5	-436.5	1,019.9	1,007.7	12.17	83.782			
3,000.0	2,975.3	2,845.1	2,808.9	8.1	9.0	152.13	-587.9	-453.6	1,047.2	1,034.7	12.51	83.682			
3,100.0	3,074.2	2,939.8	2,902.1	8.4	9.3	153.03	-589.3	-470.6	1,074.9	1,062.0	12.85	83.630			
3,200.0	3,173.1	3,034.5	2,995.2	8.8	9.6	153.90	-590.7	-487.7	1,102.7	1,089.5	13.19	83.620 SF			
3,300.0	3,272.1	3,129.2	3,088.4	9.1	10.0	154.72	-592.2	-504.7	1,130.8	1,117.3	13.52	83.644			
3,400.0	3,371.0	3,223.9	3,181.5	9.4	10.3	155.50	-593.6	-521.8	1,159.1	1,145.3	13.85	83.697			
3,500.0	3,469.9	3,318.6	3,274.6	9.7	10.7	156.25	-595.0	-538.9	1,187.6	1,173.5	14.18	83.774			
3,600.0	3,568.9	3,413.3	3,367.8	10.0	11.0	156.96	-596.4	-555.9	1,216.3	1,201.8	14.50	83.869			
3,700.0	3,667.8	3,508.0	3,460.9	10.3	11.4	157.64	-597.8	-573.0	1,245.2	1,230.4	14.83	83.981			
3,800.0	3,766.7	3,602.7	3,554.1	10.6	11.7	158.29	-599.3	-590.0	1,274.2	1,259.0	15.15	84.106			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2C-14H-C268 - Hz - Plan #1												Offset Site Error: 0.0 ft			
Survey Program: 0-MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance								
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
0.0	0.0	0.0	0.0	0.0	0.0	-176.82	-553.7	-30.8	554.7						
100.0	100.0	89.0	89.0	0.1	0.1	-176.82	-553.7	-30.8	554.6	554.3	0.27	2,070.922			
200.0	200.0	189.0	189.0	0.3	0.3	-176.82	-553.7	-30.8	554.6	553.9	0.61	902.675			
300.0	300.0	289.0	289.0	0.5	0.5	-176.82	-553.7	-30.8	554.6	553.6	0.96	575.619			
400.0	400.0	389.0	389.0	0.7	0.7	-176.82	-553.7	-30.8	554.6	553.3	1.31	422.529	CC, ES		
500.0	500.0	486.0	486.0	0.8	0.8	106.47	-553.9	-32.0	555.3	553.6	1.66	334.493			
600.0	599.8	582.0	581.8	1.0	1.0	107.37	-554.4	-36.5	557.7	555.7	2.03	275.235			
700.0	699.5	676.7	676.2	1.2	1.2	108.85	-555.3	-44.0	562.1	559.7	2.43	231.256			
800.0	798.7	770.2	769.1	1.5	1.4	110.83	-556.6	-54.4	569.0	566.2	2.88	197.463			
900.0	897.6	866.6	864.8	1.8	1.7	113.23	-558.0	-66.3	578.1	574.7	3.37	171.699			
1,000.0	996.6	962.9	960.4	2.0	1.9	115.59	-559.5	-78.1	588.2	584.3	3.86	152.447			
1,100.0	1,095.5	1,059.3	1,056.1	2.3	2.2	117.87	-560.9	-89.9	599.3	595.0	4.35	137.778			
1,200.0	1,194.4	1,155.7	1,151.7	2.6	2.4	120.06	-562.3	-101.8	611.4	606.6	4.84	126.403			
1,300.0	1,293.4	1,252.1	1,247.4	2.9	2.7	122.18	-563.8	-113.6	624.4	619.1	5.32	117.438			
1,400.0	1,392.3	1,348.5	1,343.0	3.2	2.9	124.21	-565.2	-125.5	638.3	632.5	5.79	110.271			
1,500.0	1,491.2	1,444.9	1,438.6	3.5	3.2	126.16	-566.7	-137.3	652.9	646.7	6.25	104.471			
1,600.0	1,590.2	1,541.2	1,534.3	3.8	3.5	128.02	-568.1	-149.1	668.3	661.6	6.70	99.729			
1,700.0	1,689.1	1,637.6	1,629.9	4.1	3.7	129.80	-569.5	-161.0	684.4	677.3	7.14	95.817			
1,800.0	1,788.0	1,734.0	1,725.6	4.4	4.0	131.51	-571.0	-172.8	701.1	693.6	7.57	92.566			
1,900.0	1,887.0	1,830.4	1,821.2	4.7	4.2	133.13	-572.4	-184.6	718.5	710.5	8.00	89.848			
2,000.0	1,985.9	1,926.8	1,916.8	5.1	4.5	134.68	-573.8	-196.5	736.4	727.9	8.41	87.564			
2,100.0	2,084.9	2,023.1	2,012.5	5.4	4.8	136.16	-575.3	-208.3	754.8	745.9	8.81	85.634			
2,200.0	2,183.8	2,119.5	2,108.1	5.7	5.0	137.57	-576.7	-220.2	773.6	764.4	9.21	83.999			
2,300.0	2,282.7	2,215.9	2,203.8	6.0	5.3	138.91	-578.2	-232.0	793.0	783.4	9.60	82.610			
2,400.0	2,381.7	2,312.3	2,299.4	6.3	5.6	140.20	-579.6	-243.8	812.7	802.7	9.98	81.425			
2,500.0	2,480.6	2,408.7	2,395.1	6.6	5.8	141.42	-581.0	-255.7	832.8	822.5	10.36	80.414			
2,600.0	2,579.5	2,505.1	2,490.7	6.9	6.1	142.58	-582.5	-267.5	853.3	842.6	10.73	79.550			
2,700.0	2,678.5	2,601.4	2,586.3	7.2	6.4	143.70	-583.9	-279.4	874.1	863.1	11.09	78.810			
2,800.0	2,777.4	2,697.8	2,682.0	7.5	6.6	144.76	-585.3	-291.2	895.3	883.8	11.45	78.176			
2,900.0	2,876.3	2,794.2	2,777.6	7.8	6.9	145.77	-586.8	-303.0	916.7	904.9	11.81	77.634			
3,000.0	2,975.3	2,890.6	2,873.3	8.1	7.2	146.74	-588.2	-314.9	938.4	926.2	12.16	77.170			
3,100.0	3,074.2	2,987.0	2,968.9	8.4	7.4	147.67	-589.7	-326.7	960.3	947.8	12.51	76.774			
3,200.0	3,173.1	3,083.3	3,064.5	8.8	7.7	148.55	-591.1	-338.6	982.5	969.6	12.85	76.435			
3,300.0	3,272.1	3,179.7	3,160.2	9.1	8.0	149.40	-592.5	-350.4	1,004.9	991.7	13.20	76.147			
3,400.0	3,371.0	3,276.1	3,255.8	9.4	8.3	150.21	-594.0	-362.2	1,027.5	1,013.9	13.54	75.903			
3,500.0	3,469.9	3,372.5	3,351.5	9.7	8.5	150.98	-595.4	-374.1	1,050.2	1,036.4	13.87	75.696			
3,600.0	3,568.9	3,468.9	3,447.1	10.0	8.8	151.73	-596.9	-385.9	1,073.2	1,059.0	14.21	75.523			
3,700.0	3,667.8	3,565.3	3,542.8	10.3	9.1	152.44	-598.3	-397.7	1,096.3	1,081.8	14.54	75.377			
3,800.0	3,766.7	3,661.6	3,638.4	10.6	9.3	153.12	-599.7	-409.6	1,119.6	1,104.7	14.88	75.257			
3,900.0	3,865.7	3,758.0	3,734.0	10.9	9.6	153.78	-601.2	-421.4	1,143.1	1,127.8	15.21	75.159			
4,000.0	3,964.6	3,854.4	3,829.7	11.2	9.9	154.41	-602.6	-433.3	1,166.6	1,151.1	15.54	75.079			
4,100.0	4,063.5	3,950.8	3,925.3	11.5	10.1	155.02	-604.0	-445.1	1,190.3	1,174.5	15.87	75.016			
4,200.0	4,162.5	4,047.2	4,021.0	11.8	10.4	155.60	-605.5	-456.9	1,214.1	1,198.0	16.20	74.967			
4,300.0	4,261.4	4,143.5	4,116.6	12.2	10.7	156.16	-606.9	-468.8	1,238.1	1,221.6	16.52	74.931			
4,400.0	4,360.3	4,239.9	4,212.2	12.5	10.9	156.70	-608.4	-480.6	1,262.1	1,245.3	16.85	74.905	SF		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2D-14H-C268 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-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	-177.69	-553.7	-22.4	554.3						
100.0	100.0	89.0	89.0	0.1	0.1	-177.69	-553.7	-22.4	554.2	553.9	0.27	2,069.421			
200.0	200.0	189.0	189.0	0.3	0.3	-177.69	-553.7	-22.4	554.2	553.5	0.61	902.021			
300.0	300.0	289.0	289.0	0.5	0.5	-177.69	-553.7	-22.4	554.2	553.2	0.96	575.202			
400.0	400.0	389.0	389.0	0.7	0.7	-177.69	-553.7	-22.4	554.2	552.8	1.31	422.223 CC, ES			
500.0	500.0	485.0	485.0	0.8	0.8	105.60	-554.0	-23.6	554.9	553.3	1.66	334.652			
600.0	599.8	579.8	579.7	1.0	1.0	106.48	-554.8	-27.9	557.6	555.5	2.02	275.580			
700.0	699.5	677.0	676.6	1.2	1.2	107.90	-556.2	-34.7	562.1	559.7	2.42	232.163			
800.0	798.7	775.1	774.5	1.5	1.4	109.62	-557.7	-41.7	568.3	565.4	2.86	198.907			
900.0	897.6	872.7	871.8	1.8	1.6	111.60	-559.1	-48.7	575.9	572.6	3.31	174.003			
1,000.0	996.6	970.3	969.2	2.0	1.8	113.55	-560.5	-55.7	584.3	580.5	3.77	155.047			
1,100.0	1,095.5	1,067.9	1,066.5	2.3	2.0	115.44	-562.0	-62.7	593.3	589.1	4.23	140.340			
1,200.0	1,194.4	1,165.5	1,163.8	2.6	2.2	117.28	-563.4	-69.7	603.0	598.3	4.68	128.718			
1,300.0	1,293.4	1,263.1	1,261.2	2.9	2.4	119.06	-564.8	-76.7	613.3	608.2	5.14	119.377			
1,400.0	1,392.3	1,360.7	1,358.5	3.2	2.6	120.79	-566.3	-83.7	624.2	618.6	5.59	111.761			
1,500.0	1,491.2	1,458.3	1,455.9	3.5	2.8	122.45	-567.7	-90.8	635.6	629.6	6.03	105.471			
1,600.0	1,590.2	1,555.9	1,553.2	3.8	3.0	124.06	-569.1	-97.8	647.6	641.2	6.46	100.221			
1,700.0	1,689.1	1,653.5	1,650.5	4.1	3.3	125.61	-570.5	-104.8	660.1	653.2	6.89	95.796			
1,800.0	1,788.0	1,751.1	1,747.9	4.4	3.5	127.10	-572.0	-111.8	673.1	665.8	7.31	92.035			
1,900.0	1,887.0	1,848.7	1,845.2	4.7	3.7	128.54	-573.4	-118.8	686.5	678.7	7.73	88.817			
2,000.0	1,985.9	1,946.3	1,942.6	5.1	3.9	129.92	-574.8	-125.8	700.3	692.2	8.14	86.046			
2,100.0	2,084.9	2,043.9	2,039.9	5.4	4.1	131.25	-576.3	-132.8	714.5	706.0	8.54	83.644			
2,200.0	2,183.8	2,141.5	2,137.2	5.7	4.3	132.53	-577.7	-139.8	729.1	720.2	8.94	81.554			
2,300.0	2,282.7	2,239.1	2,234.6	6.0	4.5	133.76	-579.1	-146.8	744.0	734.7	9.33	79.726			
2,400.0	2,381.7	2,336.7	2,331.9	6.3	4.7	134.94	-580.6	-153.8	759.3	749.6	9.72	78.121			
2,500.0	2,480.6	2,434.3	2,429.3	6.6	4.9	136.08	-582.0	-160.8	774.9	764.8	10.10	76.706			
2,600.0	2,579.5	2,532.0	2,526.6	6.9	5.1	137.17	-583.4	-167.8	790.8	780.3	10.48	75.455			
2,700.0	2,678.5	2,629.6	2,623.9	7.2	5.4	138.22	-584.8	-174.8	806.9	796.1	10.85	74.345			
2,800.0	2,777.4	2,727.2	2,721.3	7.5	5.6	139.22	-586.3	-181.8	823.3	812.1	11.22	73.358			
2,900.0	2,876.3	2,824.8	2,818.6	7.8	5.8	140.19	-587.7	-188.8	840.0	828.4	11.59	72.477			
3,000.0	2,975.3	2,922.4	2,916.0	8.1	6.0	141.13	-589.1	-195.8	856.8	844.9	11.95	71.690			
3,100.0	3,074.2	3,020.0	3,013.3	8.4	6.2	142.02	-590.6	-202.8	873.9	861.6	12.31	70.984			
3,200.0	3,173.1	3,117.6	3,110.7	8.8	6.4	142.89	-592.0	-209.8	891.2	878.6	12.67	70.350			
3,300.0	3,272.1	3,215.2	3,208.0	9.1	6.6	143.72	-593.4	-216.8	908.7	895.7	13.02	69.780			
3,400.0	3,371.0	3,312.8	3,305.3	9.4	6.8	144.52	-594.9	-223.8	926.4	913.0	13.37	69.265			
3,500.0	3,469.9	3,410.4	3,402.7	9.7	7.0	145.29	-596.3	-230.8	944.2	930.5	13.72	68.801			
3,600.0	3,568.9	3,508.0	3,500.0	10.0	7.2	146.03	-597.7	-237.8	962.2	948.2	14.07	68.381			
3,700.0	3,667.8	3,605.6	3,597.4	10.3	7.5	146.74	-599.1	-244.8	980.4	966.0	14.42	68.000			
3,800.0	3,766.7	3,703.2	3,694.7	10.6	7.7	147.43	-600.6	-251.8	998.7	983.9	14.76	67.654			
3,900.0	3,865.7	3,800.8	3,792.0	10.9	7.9	148.09	-602.0	-258.8	1,017.1	1,002.0	15.10	67.340			
4,000.0	3,964.6	3,898.4	3,889.4	11.2	8.1	148.74	-603.4	-265.8	1,035.7	1,020.3	15.45	67.055			
4,100.0	4,063.5	3,996.0	3,986.7	11.5	8.3	149.35	-604.9	-272.8	1,054.4	1,038.6	15.79	66.794			
4,200.0	4,162.5	4,093.6	4,084.1	11.8	8.5	149.95	-606.3	-279.8	1,073.2	1,057.1	16.12	66.557			
4,300.0	4,261.4	4,191.2	4,181.4	12.2	8.7	150.53	-607.7	-286.8	1,092.1	1,075.7	16.46	66.339			
4,400.0	4,360.3	4,288.8	4,278.7	12.5	8.9	151.09	-609.2	-293.8	1,111.1	1,094.3	16.80	66.141			
4,500.0	4,459.3	4,386.4	4,376.1	12.8	9.1	151.62	-610.6	-300.8	1,130.3	1,113.1	17.14	65.959			
4,600.0	4,558.2	4,484.0	4,473.4	13.1	9.4	152.15	-612.0	-307.8	1,149.5	1,132.0	17.47	65.793			
4,700.0	4,657.1	4,581.6	4,570.8	13.4	9.6	152.65	-613.5	-314.8	1,168.8	1,151.0	17.81	65.640			
4,800.0	4,756.1	4,679.2	4,668.1	13.7	9.8	153.14	-614.9	-321.8	1,188.2	1,170.0	18.14	65.499			
4,900.0	4,855.0	4,776.8	4,765.4	14.0	10.0	153.61	-616.3	-328.8	1,207.6	1,189.2	18.47	65.370			
5,000.0	4,953.9	4,874.4	4,862.8	14.3	10.2	154.07	-617.7	-335.8	1,227.2	1,208.4	18.81	65.251			
5,100.0	5,052.9	4,972.0	4,960.1	14.6	10.4	154.51	-619.2	-342.8	1,246.8	1,227.7	19.14	65.142			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2D-14H-C268 - Hz - Plan #1													Offset Site Error: 0.0 ft
Survey Program: 0-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 +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)			
5,200.0	5,151.8	5,069.6	5,057.5	14.9	10.6	154.94	-620.6	-349.8	1,266.5	1,247.0	19.47	65.041 SF	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2E-14H-C268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-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	-178.84	-553.7	-11.2	553.9					
100.0	100.0	89.0	89.0	0.1	0.1	-178.84	-553.7	-11.2	553.8	553.6	0.27	2,068.157		
200.0	200.0	189.0	189.0	0.3	0.3	-178.84	-553.7	-11.2	553.8	553.2	0.61	901.470		
300.0	300.0	289.0	289.0	0.5	0.5	-178.84	-553.7	-11.2	553.8	552.9	0.96	574.851		
400.0	400.0	389.0	389.0	0.7	0.7	-178.84	-553.7	-11.2	553.8	552.5	1.31	421.965 CC, ES		
500.0	500.0	489.0	489.0	0.8	0.8	104.33	-553.7	-11.2	554.3	552.6	1.66	333.170		
600.0	599.8	588.8	588.8	1.0	1.0	104.83	-553.7	-11.2	555.6	553.5	2.03	274.277		
700.0	699.5	688.5	688.5	1.2	1.2	105.65	-553.7	-11.2	557.9	555.5	2.41	231.501		
800.0	798.7	787.7	787.7	1.5	1.4	106.77	-553.7	-11.2	561.3	558.5	2.83	198.594		
900.0	897.6	886.6	886.6	1.8	1.5	108.15	-553.7	-11.2	565.7	562.4	3.26	173.503		
1,000.0	996.6	985.6	985.6	2.0	1.7	109.53	-553.7	-11.2	570.4	566.7	3.70	154.094		
1,100.0	1,095.5	1,084.5	1,084.5	2.3	1.9	110.88	-553.7	-11.2	575.5	571.4	4.15	138.791		
1,200.0	1,194.4	1,183.4	1,183.4	2.6	2.0	112.21	-553.7	-11.2	580.9	576.3	4.59	126.499		
1,300.0	1,293.4	1,282.4	1,282.4	2.9	2.2	113.52	-553.7	-11.2	586.6	581.6	5.04	116.460		
1,400.0	1,392.3	1,381.3	1,381.3	3.2	2.4	114.80	-553.7	-11.2	592.6	587.2	5.48	108.140		
1,500.0	1,491.2	1,480.2	1,480.2	3.5	2.6	116.05	-553.7	-11.2	598.9	593.0	5.92	101.154		
1,600.0	1,590.2	1,579.2	1,579.2	3.8	2.7	117.28	-553.7	-11.2	605.5	599.2	6.36	95.224		
1,700.0	1,689.1	1,678.1	1,678.1	4.1	2.9	118.48	-553.7	-11.2	612.4	605.6	6.79	90.141		
1,800.0	1,788.0	1,777.0	1,777.0	4.4	3.1	119.65	-553.7	-11.2	619.5	612.3	7.23	85.746		
1,900.0	1,887.0	1,876.0	1,876.0	4.7	3.3	120.80	-553.7	-11.2	626.9	619.3	7.65	81.918		
2,000.0	1,985.9	1,974.9	1,974.9	5.1	3.4	121.92	-553.7	-11.2	634.6	626.5	8.08	78.562		
2,100.0	2,084.9	2,073.9	2,073.9	5.4	3.6	123.02	-553.7	-11.2	642.4	633.9	8.50	75.601		
2,200.0	2,183.8	2,172.8	2,172.8	5.7	3.8	124.08	-553.7	-11.2	650.6	641.6	8.91	72.976		
2,300.0	2,282.7	2,271.7	2,271.7	6.0	3.9	125.13	-553.7	-11.2	658.9	649.6	9.33	70.636		
2,400.0	2,381.7	2,370.7	2,370.7	6.3	4.1	126.14	-553.7	-11.2	667.4	657.7	9.74	68.543		
2,500.0	2,480.6	2,469.6	2,469.6	6.6	4.3	127.13	-553.7	-11.2	676.2	666.0	10.14	66.662		
2,600.0	2,579.5	2,568.5	2,568.5	6.9	4.5	128.10	-553.7	-11.2	685.1	674.6	10.55	64.966		
2,700.0	2,678.5	2,667.5	2,667.5	7.2	4.6	129.04	-553.7	-11.2	694.3	683.3	10.95	63.431		
2,800.0	2,777.4	2,766.4	2,766.4	7.5	4.8	129.95	-553.7	-11.2	703.6	692.2	11.34	62.039		
2,900.0	2,876.3	2,865.3	2,865.3	7.8	5.0	130.84	-553.7	-11.2	713.1	701.4	11.73	60.772		
3,000.0	2,975.3	2,964.3	2,964.3	8.1	5.2	131.71	-553.7	-11.2	722.8	710.6	12.12	59.616		
3,100.0	3,074.2	3,063.2	3,063.2	8.4	5.3	132.56	-553.7	-11.2	732.6	720.1	12.51	58.559		
3,200.0	3,173.1	3,162.1	3,162.1	8.8	5.5	133.38	-553.7	-11.2	742.6	729.7	12.89	57.590		
3,300.0	3,272.1	3,261.1	3,261.1	9.1	5.7	134.18	-553.7	-11.2	752.7	739.4	13.27	56.700		
3,400.0	3,371.0	3,360.0	3,360.0	9.4	5.8	134.96	-553.7	-11.2	763.0	749.3	13.65	55.881		
3,500.0	3,469.9	3,458.9	3,458.9	9.7	6.0	135.72	-553.7	-11.2	773.4	759.4	14.03	55.126		
3,600.0	3,568.9	3,557.9	3,557.9	10.0	6.2	136.46	-553.7	-11.2	783.9	769.5	14.40	54.428		
3,700.0	3,667.8	3,656.8	3,656.8	10.3	6.4	137.18	-553.7	-11.2	794.6	779.8	14.77	53.782		
3,800.0	3,766.7	3,755.7	3,755.7	10.6	6.5	137.88	-553.7	-11.2	805.4	790.3	15.14	53.184		
3,900.0	3,865.7	3,854.7	3,854.7	10.9	6.7	138.56	-553.7	-11.2	816.3	800.8	15.51	52.629		
4,000.0	3,964.6	3,953.6	3,953.6	11.2	6.9	139.23	-553.7	-11.2	827.3	811.5	15.88	52.112		
4,100.0	4,063.5	4,052.5	4,052.5	11.5	7.1	139.87	-553.7	-11.2	838.5	822.2	16.24	51.632		
4,200.0	4,162.5	4,151.5	4,151.5	11.8	7.2	140.50	-553.7	-11.2	849.7	833.1	16.60	51.184		
4,300.0	4,261.4	4,250.4	4,250.4	12.2	7.4	141.12	-553.7	-11.2	861.0	844.1	16.96	50.766		
4,400.0	4,360.3	4,349.3	4,349.3	12.5	7.6	141.72	-553.7	-11.2	872.5	855.1	17.32	50.375		
4,500.0	4,459.3	4,448.3	4,448.3	12.8	7.7	142.30	-553.7	-11.2	884.0	866.3	17.68	50.010		
4,600.0	4,558.2	4,547.2	4,547.2	13.1	7.9	142.87	-553.7	-11.2	895.6	877.6	18.03	49.668		
4,700.0	4,657.1	4,646.1	4,646.1	13.4	8.1	143.42	-553.7	-11.2	907.3	888.9	18.39	49.347		
4,800.0	4,756.1	4,745.1	4,745.1	13.7	8.3	143.96	-553.7	-11.2	919.1	900.3	18.74	49.046		
4,900.0	4,855.0	4,844.0	4,844.0	14.0	8.4	144.48	-553.7	-11.2	930.9	911.8	19.09	48.764		
5,000.0	4,953.9	4,942.9	4,942.9	14.3	8.6	145.00	-553.7	-11.2	942.9	923.4	19.44	48.498		
5,100.0	5,052.9	5,031.9	5,031.9	14.6	8.8	145.44	-553.9	-11.2	955.1	935.3	19.78	48.287		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2E-14H-C268 - Hz - Plan #1											Offset Site Error:		0.0 ft
Survey Program: 0-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	5,151.8	5,100.0	5,100.0	14.9	8.9	145.74	-555.3	-11.8	969.4	949.3	20.09	48.246	
5,300.0	5,250.7	5,181.8	5,181.7	15.3	9.0	146.05	-559.1	-13.3	986.2	965.7	20.43	48.271	
5,400.0	5,349.7	5,275.4	5,275.1	15.6	9.2	146.36	-565.0	-15.6	1,004.5	983.8	20.78	48.331	
5,500.0	5,448.6	5,373.6	5,373.0	15.9	9.4	146.67	-571.2	-18.1	1,023.0	1,001.8	21.15	48.377	
5,600.0	5,547.5	5,471.7	5,470.9	16.2	9.5	146.96	-577.5	-20.6	1,041.5	1,020.0	21.51	48.424	
5,700.0	5,646.5	5,569.8	5,568.8	16.5	9.7	147.25	-583.7	-23.1	1,060.0	1,038.1	21.87	48.469	
5,800.0	5,745.4	5,668.0	5,666.7	16.8	9.9	147.52	-590.0	-25.5	1,078.5	1,056.3	22.23	48.514	
5,900.0	5,844.3	5,766.1	5,764.6	17.1	10.1	147.79	-596.2	-28.0	1,097.1	1,074.5	22.59	48.559	
6,000.0	5,943.3	5,864.2	5,862.5	17.4	10.3	148.05	-602.4	-30.5	1,115.7	1,092.7	22.95	48.603	
6,100.0	6,042.2	5,962.4	5,960.4	17.7	10.4	148.30	-608.7	-32.9	1,134.3	1,110.9	23.32	48.646	
6,200.0	6,141.1	6,060.5	6,058.3	18.0	10.6	148.54	-614.9	-35.4	1,152.9	1,129.2	23.68	48.688	
6,300.0	6,240.1	6,158.7	6,156.2	18.4	10.8	148.77	-621.2	-37.9	1,171.5	1,147.5	24.04	48.730	
6,400.0	6,339.0	6,256.8	6,254.2	18.7	11.0	149.00	-627.4	-40.3	1,190.2	1,165.8	24.40	48.771	
6,500.0	6,437.9	7,804.1	7,203.0	19.0	19.1	-168.32	193.1	-64.3	1,188.5	1,157.8	30.71	38.700	
6,600.0	6,536.9	7,807.4	7,203.0	19.3	19.2	-168.14	196.4	-64.3	1,137.8	1,106.8	30.95	36.762	
6,700.0	6,635.8	7,810.3	7,203.0	19.6	19.2	178.04	199.3	-64.3	1,093.8	1,062.6	31.24	35.013	
6,800.0	6,734.3	7,801.0	7,203.0	19.9	19.1	132.22	190.1	-64.3	1,057.7	1,026.3	31.40	33.688	
6,900.0	6,829.6	7,774.7	7,203.0	20.1	18.8	117.31	163.7	-64.3	1,030.7	999.6	31.08	33.168	
7,000.0	6,919.0	7,732.0	7,203.0	20.2	18.2	110.32	121.0	-64.3	1,013.1	982.7	30.41	33.312	
7,100.0	6,999.7	7,674.3	7,203.0	20.4	17.5	105.20	63.3	-64.3	1,003.9	974.2	29.65	33.859	
7,200.0	7,069.2	7,603.3	7,203.0	20.7	16.6	100.68	-7.7	-64.3	1,001.2	972.3	28.98	34.548	
7,204.1	7,071.8	7,600.1	7,203.0	20.7	16.5	100.50	-10.9	-64.3	1,001.2	972.3	28.96	34.574	
7,300.0	7,125.5	7,518.1	7,202.8	21.0	15.6	96.59	-92.9	-64.3	1,002.7	974.2	28.47	35.223	
7,400.0	7,166.8	7,417.1	7,191.2	21.3	14.6	92.63	-193.0	-64.0	1,005.1	977.0	28.07	35.808	
7,500.0	7,191.9	7,325.4	7,165.6	21.8	13.8	89.34	-281.0	-63.3	1,007.5	979.5	27.95	36.048	
7,600.0	7,200.0	7,240.7	7,129.7	22.4	13.2	86.63	-357.7	-62.4	1,009.5	981.5	28.00	36.057	
7,700.0	7,200.0	7,165.5	7,088.7	23.1	12.8	84.31	-420.6	-61.4	1,013.1	984.6	28.54	35.503	
7,800.0	7,200.0	7,100.0	7,046.6	23.9	12.5	81.94	-470.7	-60.3	1,021.1	991.8	29.28	34.869	
7,900.0	7,200.0	7,050.0	7,010.7	24.8	12.4	79.94	-505.5	-59.4	1,034.6	1,004.3	30.22	34.229	
8,000.0	7,200.0	7,000.0	6,972.0	25.8	12.2	77.80	-537.1	-58.5	1,054.4	1,023.2	31.22	33.770	
8,100.0	7,200.0	6,970.9	6,948.2	26.9	12.2	76.50	-553.8	-57.9	1,080.9	1,048.5	32.40	33.365	
8,200.0	7,200.0	6,950.0	6,930.6	28.0	12.1	75.55	-565.1	-57.4	1,114.2	1,080.5	33.65	33.109 SF	
8,300.0	7,200.0	6,914.6	6,900.0	29.2	12.1	73.91	-582.7	-56.6	1,153.8	1,118.9	34.82	33.139	
8,400.0	7,200.0	6,900.0	6,887.0	30.5	12.1	73.22	-589.5	-56.3	1,199.6	1,163.4	36.15	33.181	
8,500.0	7,200.0	6,873.5	6,863.0	31.8	12.0	71.96	-600.8	-55.7	1,250.9	1,213.6	37.39	33.452	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2F-14H-C268 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-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	-179.71	-553.7	-2.8	553.8					
100.0	100.0	89.0	89.0	0.1	0.1	-179.71	-553.7	-2.8	553.7	553.5	0.27	2,067.762		
200.0	200.0	189.0	189.0	0.3	0.3	-179.71	-553.7	-2.8	553.7	553.1	0.61	901.298		
300.0	300.0	289.0	289.0	0.5	0.5	-179.71	-553.7	-2.8	553.7	552.8	0.96	574.741		
400.0	400.0	389.0	389.0	0.7	0.7	-179.71	-553.7	-2.8	553.7	552.4	1.31	421.884 CC, ES		
500.0	500.0	489.0	489.0	0.8	0.8	103.47	-553.7	-2.8	554.1	552.5	1.66	333.087		
600.0	599.8	588.8	588.8	1.0	1.0	103.97	-553.7	-2.8	555.4	553.3	2.03	274.156		
700.0	699.5	683.3	683.3	1.2	1.2	104.62	-554.1	-1.7	557.9	555.5	2.40	232.227		
800.0	798.7	779.9	779.8	1.5	1.3	105.31	-555.5	2.1	562.4	559.6	2.82	199.435		
900.0	897.6	879.3	879.1	1.8	1.5	106.25	-557.1	6.5	567.8	564.5	3.26	173.911		
1,000.0	996.6	978.7	978.4	2.0	1.7	107.21	-558.7	10.8	573.3	569.6	3.72	154.111		
1,100.0	1,095.5	1,078.1	1,077.7	2.3	1.9	108.14	-560.3	15.1	579.0	574.8	4.18	138.460		
1,200.0	1,194.4	1,177.5	1,176.9	2.6	2.1	109.05	-561.9	19.5	584.9	580.2	4.65	125.858		
1,300.0	1,293.4	1,276.9	1,276.2	2.9	2.3	109.95	-563.5	23.8	590.9	585.7	5.11	115.536		
1,400.0	1,392.3	1,376.3	1,375.5	3.2	2.5	110.83	-565.1	28.1	597.0	591.4	5.58	106.953		
1,500.0	1,491.2	1,475.6	1,474.8	3.5	2.6	111.69	-566.7	32.4	603.3	597.2	6.05	99.721		
1,600.0	1,590.2	1,575.0	1,574.1	3.8	2.8	112.53	-568.2	36.8	609.7	603.2	6.52	93.555		
1,700.0	1,689.1	1,674.4	1,673.4	4.1	3.0	113.36	-569.8	41.1	616.2	609.2	6.98	88.246		
1,800.0	1,788.0	1,773.8	1,772.7	4.4	3.2	114.17	-571.4	45.4	622.9	615.4	7.45	83.632		
1,900.0	1,887.0	1,873.2	1,871.9	4.7	3.4	114.96	-573.0	49.8	629.7	621.7	7.91	79.591		
2,000.0	1,985.9	1,972.6	1,971.2	5.1	3.6	115.73	-574.6	54.1	636.6	628.2	8.37	76.026		
2,100.0	2,084.9	2,072.0	2,070.5	5.4	3.8	116.49	-576.2	58.4	643.6	634.7	8.83	72.862		
2,200.0	2,183.8	2,171.4	2,169.8	5.7	4.0	117.23	-577.8	62.8	650.7	641.4	9.29	70.036		
2,300.0	2,282.7	2,270.8	2,269.1	6.0	4.2	117.96	-579.4	67.1	657.9	648.2	9.75	67.501		
2,400.0	2,381.7	2,370.2	2,368.4	6.3	4.4	118.67	-581.0	71.4	665.3	655.1	10.20	65.215		
2,500.0	2,480.6	2,469.6	2,467.7	6.6	4.5	119.36	-582.6	75.7	672.7	662.1	10.65	63.146		
2,600.0	2,579.5	2,569.0	2,566.9	6.9	4.7	120.04	-584.2	80.1	680.3	669.2	11.10	61.265		
2,700.0	2,678.5	2,668.4	2,666.2	7.2	4.9	120.70	-585.7	84.4	687.9	676.3	11.55	59.549		
2,800.0	2,777.4	2,767.8	2,765.5	7.5	5.1	121.35	-587.3	88.7	695.6	683.6	12.00	57.979		
2,900.0	2,876.3	2,867.1	2,864.8	7.8	5.3	121.99	-588.9	93.1	703.4	691.0	12.44	56.537		
3,000.0	2,975.3	2,966.5	2,964.1	8.1	5.5	122.61	-590.5	97.4	711.3	698.4	12.88	55.210		
3,100.0	3,074.2	3,065.9	3,063.4	8.4	5.7	123.22	-592.1	101.7	719.3	705.9	13.32	53.986		
3,200.0	3,173.1	3,165.3	3,162.7	8.8	5.9	123.81	-593.7	106.0	727.3	713.6	13.76	52.853		
3,300.0	3,272.1	3,264.7	3,261.9	9.1	6.1	124.39	-595.3	110.4	735.4	721.3	14.20	51.802		
3,400.0	3,371.0	3,364.1	3,361.2	9.4	6.3	124.96	-596.9	114.7	743.7	729.0	14.63	50.826		
3,500.0	3,469.9	3,463.5	3,460.5	9.7	6.4	125.52	-598.5	119.0	751.9	736.9	15.06	49.917		
3,600.0	3,568.9	3,562.9	3,559.8	10.0	6.6	126.06	-600.1	123.4	760.3	744.8	15.49	49.069		
3,700.0	3,667.8	3,662.3	3,659.1	10.3	6.8	126.59	-601.6	127.7	768.7	752.8	15.92	48.276		
3,800.0	3,766.7	3,761.7	3,758.4	10.6	7.0	127.12	-603.2	132.0	777.2	760.8	16.35	47.534		
3,900.0	3,865.7	3,861.1	3,857.7	10.9	7.2	127.62	-604.8	136.3	785.7	768.9	16.77	46.839		
4,000.0	3,964.6	3,960.5	3,956.9	11.2	7.4	128.12	-606.4	140.7	794.3	777.1	17.20	46.186		
4,100.0	4,063.5	4,059.9	4,056.2	11.5	7.6	128.61	-608.0	145.0	802.9	785.3	17.62	45.572		
4,200.0	4,162.5	4,159.3	4,155.5	11.8	7.8	129.09	-609.6	149.3	811.7	793.6	18.04	44.993		
4,300.0	4,261.4	4,258.6	4,254.8	12.2	8.0	129.56	-611.2	153.7	820.4	802.0	18.46	44.448		
4,400.0	4,360.3	4,358.0	4,354.1	12.5	8.2	130.01	-612.8	158.0	829.2	810.4	18.87	43.933		
4,500.0	4,459.3	4,457.4	4,453.4	12.8	8.4	130.46	-614.4	162.3	838.1	818.8	19.29	43.447		
4,600.0	4,558.2	4,556.8	4,552.7	13.1	8.5	130.90	-616.0	166.7	847.0	827.3	19.70	42.987		
4,700.0	4,657.1	4,656.2	4,651.9	13.4	8.7	131.33	-617.6	171.0	856.0	835.9	20.12	42.551		
4,800.0	4,756.1	4,755.6	4,751.2	13.7	8.9	131.75	-619.1	175.3	865.0	844.5	20.53	42.138		
4,900.0	4,855.0	4,855.0	4,850.5	14.0	9.1	132.16	-620.7	179.6	874.1	853.2	20.94	41.745		
5,000.0	4,953.9	4,954.4	4,949.8	14.3	9.3	132.57	-622.3	184.0	883.2	861.9	21.35	41.373		
5,100.0	5,052.9	5,053.8	5,049.1	14.6	9.5	132.96	-623.9	188.3	892.3	870.6	21.75	41.018		

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - Grant Salisbury 2F-14H-C268 - Hz - Plan #1														Offset Site Error:	0.0 ft
Survey Program: 0-MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning		
5,200.0	5,151.8	5,153.2	5,148.4	14.9	9.7	133.35	-625.5	192.6	901.5	879.4	22.16	40.681			
5,300.0	5,250.7	5,252.6	5,247.7	15.3	9.9	133.73	-627.1	197.0	910.8	888.2	22.57	40.360			
5,400.0	5,349.7	5,352.0	5,346.9	15.6	10.1	134.10	-628.7	201.3	920.0	897.1	22.97	40.054			
5,500.0	5,448.6	5,451.4	5,446.2	15.9	10.3	134.46	-630.3	205.6	929.4	906.0	23.37	39.762			
5,600.0	5,547.5	5,550.8	5,545.5	16.2	10.5	134.82	-631.9	209.9	938.7	914.9	23.77	39.483			
5,700.0	5,646.5	5,650.1	5,644.8	16.5	10.6	135.17	-633.5	214.3	948.1	923.9	24.18	39.216			
5,800.0	5,745.4	5,749.5	5,744.1	16.8	10.8	135.51	-635.0	218.6	957.5	932.9	24.58	38.961			
5,900.0	5,844.3	5,848.9	5,843.4	17.1	11.0	135.85	-636.6	222.9	966.9	942.0	24.97	38.718			
6,000.0	5,943.3	5,948.3	5,942.7	17.4	11.2	136.18	-638.2	227.3	976.4	951.1	25.37	38.484			
6,100.0	6,042.2	6,047.7	6,041.9	17.7	11.4	136.50	-639.8	231.6	985.9	960.2	25.77	38.261			
6,200.0	6,141.1	6,147.1	6,141.2	18.0	11.6	136.82	-641.4	235.9	995.5	969.3	26.17	38.046			
6,300.0	6,240.1	6,246.5	6,240.5	18.4	11.8	137.13	-643.0	240.2	1,005.1	978.5	26.56	37.841			
6,400.0	6,339.0	6,345.9	6,339.8	18.7	12.0	137.44	-644.6	244.6	1,014.7	987.7	26.95	37.643			
6,500.0	6,437.9	7,873.5	7,269.0	19.0	19.9	-169.26	193.1	285.1	1,006.2	975.6	30.64	32.836			
6,600.0	6,536.9	7,876.8	7,269.0	19.3	19.9	-168.97	196.4	285.1	933.5	902.6	30.90	30.207			
6,700.0	6,635.8	7,879.6	7,269.0	19.6	20.0	178.16	199.3	285.1	866.3	834.9	31.41	27.583			
6,800.0	6,734.3	7,870.4	7,269.0	19.9	19.8	135.73	190.1	285.1	806.1	773.9	32.26	24.990			
6,900.0	6,829.6	7,844.0	7,269.0	20.1	19.5	123.09	163.7	285.1	755.8	723.6	32.18	23.490			
7,000.0	6,919.0	7,801.4	7,269.0	20.2	18.9	117.42	121.0	285.1	717.3	685.9	31.35	22.882			
7,100.0	6,999.7	7,743.7	7,269.0	20.4	18.2	112.86	63.3	285.1	690.8	660.6	30.20	22.875 SF			
7,200.0	7,069.2	7,672.7	7,269.0	20.7	17.4	108.31	-7.7	285.1	675.1	646.0	29.13	23.177			
7,300.0	7,125.5	7,587.0	7,268.8	21.0	16.5	103.75	-93.3	285.1	667.5	639.1	28.36	23.533			
7,400.0	7,166.8	7,483.7	7,256.6	21.3	15.5	98.76	-195.8	284.5	663.7	635.8	27.94	23.753			
7,500.0	7,191.9	7,390.5	7,230.0	21.8	14.7	94.31	-285.0	283.4	662.5	634.5	27.96	23.693			
7,501.2	7,192.1	7,389.4	7,229.6	21.8	14.7	94.26	-286.0	283.4	662.5	634.5	27.96	23.691			
7,600.0	7,200.0	7,304.6	7,193.1	22.4	14.2	90.35	-362.4	281.8	663.6	635.4	28.18	23.551			
7,700.0	7,200.0	7,228.7	7,151.1	23.1	13.8	86.74	-425.5	279.9	668.3	639.6	28.71	23.279			
7,800.0	7,200.0	7,165.6	7,110.1	23.9	13.5	83.26	-473.4	278.2	679.6	650.1	29.43	23.093			
7,900.0	7,200.0	7,113.5	7,072.4	24.8	13.4	80.11	-509.4	276.5	699.0	668.8	30.28	23.088			
8,000.0	7,200.0	7,070.3	7,038.9	25.8	13.3	77.37	-536.5	275.1	727.5	696.3	31.22	23.302			
8,100.0	7,200.0	7,034.4	7,009.5	26.9	13.2	75.03	-557.1	273.8	765.0	732.7	32.23	23.733			
8,200.0	7,200.0	7,000.0	6,980.1	28.0	13.1	72.75	-575.0	272.5	810.8	777.6	33.25	24.387			
8,300.0	7,200.0	6,978.8	6,961.5	29.2	13.1	71.34	-585.2	271.7	864.2	829.8	34.41	25.114			
8,400.0	7,200.0	6,950.0	6,935.7	30.5	13.0	69.42	-597.8	270.6	924.3	888.8	35.47	26.062			
8,500.0	7,200.0	6,950.0	6,935.7	31.8	13.0	69.42	-597.8	270.6	990.0	953.1	36.92	26.814			
8,600.0	7,200.0	6,921.8	6,909.9	33.1	13.0	67.56	-609.0	269.4	1,060.1	1,022.2	37.96	27.931			
8,700.0	7,200.0	6,900.0	6,889.5	34.5	13.0	66.12	-616.7	268.5	1,134.5	1,095.4	39.06	29.048			
8,800.0	7,200.0	6,900.0	6,889.5	35.9	13.0	66.12	-616.7	268.5	1,212.0	1,171.5	40.53	29.903			

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - HURT 34-11 (EXISTING) - EXISTING - SURVEYS										Offset Site Error:		0.0 ft	
Survey Program: 100-MWD										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
5,800.0	5,745.4	5,713.0	5,711.5	16.8	10.1	-51.55	1,315.9	1,289.2	1,272.0	1,247.3	24.70	51.501	
5,900.0	5,844.3	5,808.5	5,807.1	17.1	10.3	-52.11	1,316.3	1,288.0	1,262.9	1,237.7	25.19	50.130	
6,000.0	5,943.3	5,906.1	5,904.7	17.4	10.5	-52.66	1,316.8	1,287.2	1,254.0	1,228.3	25.69	48.815	
6,100.0	6,042.2	6,004.4	6,002.9	17.7	10.7	-53.23	1,317.3	1,286.5	1,245.3	1,219.1	26.19	47.549	
6,200.0	6,141.1	6,102.9	6,101.4	18.0	10.8	-53.82	1,317.9	1,285.5	1,236.8	1,210.1	26.70	46.326	
6,300.0	6,240.1	6,200.0	6,198.5	18.4	11.0	-54.41	1,318.7	1,284.4	1,228.4	1,201.2	27.21	45.153	
6,400.0	6,339.0	6,295.3	6,293.9	18.7	11.2	-55.02	1,319.7	1,283.1	1,220.4	1,192.7	27.71	44.037	
6,500.0	6,437.9	6,395.9	6,394.4	19.0	11.3	-55.66	1,320.8	1,281.9	1,212.7	1,184.5	28.24	42.950	
6,600.0	6,536.9	6,489.1	6,487.6	19.3	11.5	-56.26	1,322.0	1,280.8	1,205.3	1,176.5	28.74	41.930	
6,700.0	6,635.8	6,586.3	6,584.8	19.6	11.7	-71.94	1,323.8	1,279.2	1,198.7	1,169.4	29.28	40.933	
6,719.5	6,655.1	6,605.3	6,603.7	19.6	11.7	-85.32	1,324.1	1,278.9	1,198.4	1,169.0	29.38	40.784	CC, ES, SF
6,800.0	6,734.3	6,681.7	6,680.1	19.9	11.9	-121.80	1,325.7	1,277.5	1,203.9	1,174.4	29.50	40.810	
6,900.0	6,829.6	6,780.6	6,779.0	20.1	12.0	-138.52	1,327.9	1,275.3	1,225.7	1,196.6	29.09	42.134	
7,000.0	6,919.0	6,865.5	6,863.9	20.2	12.2	-145.04	1,329.6	1,273.1	1,263.6	1,235.5	28.05	45.041	

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - MDM 33-14 (EXISTING) - EXISTING - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8000-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		
8,500.0	7,200.0	7,177.0	7,177.0	31.8	12.5	-90.00	-2,453.0	1,407.5	1,263.9	1,224.3	39.59	31.925		
8,600.0	7,200.0	7,177.0	7,177.0	33.1	12.5	-90.00	-2,453.0	1,407.5	1,171.4	1,130.3	41.16	28.460		
8,700.0	7,200.0	7,177.0	7,177.0	34.5	12.5	-90.00	-2,453.0	1,407.5	1,080.3	1,037.5	42.75	25.269		
8,800.0	7,200.0	7,177.0	7,177.0	35.9	12.5	-90.00	-2,453.0	1,407.5	990.8	946.5	44.36	22.336		
8,900.0	7,200.0	7,177.0	7,177.0	37.4	12.5	-90.00	-2,453.0	1,407.5	903.6	857.6	45.98	19.651		
9,000.0	7,200.0	7,177.0	7,177.0	38.8	12.5	-90.00	-2,453.0	1,407.5	819.3	771.6	47.62	17.206		
9,100.0	7,200.0	7,177.0	7,177.0	40.3	12.5	-90.00	-2,453.0	1,407.5	738.9	689.6	49.26	14.999		
9,200.0	7,200.0	7,177.0	7,177.0	41.8	12.5	-90.00	-2,453.0	1,407.5	663.8	612.9	50.92	13.037		
9,300.0	7,200.0	7,177.0	7,177.0	43.4	12.5	-90.00	-2,453.0	1,407.5	596.1	543.5	52.58	11.337		
9,400.0	7,200.0	7,177.0	7,177.0	44.9	12.5	-90.00	-2,453.0	1,407.5	538.6	484.3	54.25	9.928		
9,500.0	7,200.0	7,177.0	7,177.0	46.5	12.5	-90.00	-2,453.0	1,407.5	494.8	438.9	55.93	8.847		
9,600.0	7,200.0	7,177.0	7,177.0	48.1	12.5	-90.00	-2,453.0	1,407.5	468.5	410.9	57.61	8.133		
9,676.4	7,200.0	7,177.0	7,177.0	49.3	12.5	-90.00	-2,453.0	1,407.5	462.3	403.4	58.90	7.848 CC, ES		
9,700.0	7,200.0	7,177.0	7,177.0	49.6	12.5	-90.00	-2,453.0	1,407.5	462.9	403.6	59.30	7.806 SF		
9,800.0	7,200.0	7,177.0	7,177.0	51.2	12.5	-90.00	-2,453.0	1,407.5	478.5	417.5	60.99	7.845		
9,900.0	7,200.0	7,177.0	7,177.0	52.9	12.5	-90.00	-2,453.0	1,407.5	513.5	450.8	62.69	8.191		
10,000.0	7,200.0	7,177.0	7,177.0	54.5	12.5	-90.00	-2,453.0	1,407.5	564.3	499.9	64.39	8.763		
10,100.0	7,200.0	7,177.0	7,177.0	56.1	12.5	-90.00	-2,453.0	1,407.5	627.0	560.9	66.10	9.486		
10,200.0	7,200.0	7,177.0	7,177.0	57.7	12.5	-90.00	-2,453.0	1,407.5	698.5	630.7	67.81	10.301		
10,300.0	7,200.0	7,177.0	7,177.0	59.4	12.5	-90.00	-2,453.0	1,407.5	776.3	706.8	69.52	11.167		
10,400.0	7,200.0	7,177.0	7,177.0	61.0	12.5	-90.00	-2,453.0	1,407.5	858.7	787.5	71.23	12.055		
10,500.0	7,200.0	7,177.0	7,177.0	62.7	12.5	-90.00	-2,453.0	1,407.5	944.5	871.6	72.95	12.948		
10,600.0	7,200.0	7,177.0	7,177.0	64.3	12.5	-90.00	-2,453.0	1,407.5	1,032.9	958.2	74.66	13.834		
10,700.0	7,200.0	7,177.0	7,177.0	66.0	12.5	-90.00	-2,453.0	1,407.5	1,123.2	1,046.8	76.38	14.705		
10,800.0	7,200.0	7,177.0	7,177.0	67.7	12.5	-90.00	-2,453.0	1,407.5	1,215.0	1,136.9	78.10	15.556		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - MDM 34-14 (EXISTING) - EXISTING - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8000-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		
10,000.0	7,200.0	7,186.0	7,186.0	54.5	12.5	-90.00	-3,975.4	1,382.4	1,275.9	1,211.5	64.41	19.810		
10,100.0	7,200.0	7,186.0	7,186.0	56.1	12.5	-90.00	-3,975.4	1,382.4	1,182.5	1,116.4	66.11	17.886		
10,200.0	7,200.0	7,186.0	7,186.0	57.7	12.5	-90.00	-3,975.4	1,382.4	1,090.2	1,022.4	67.82	16.074		
10,300.0	7,200.0	7,186.0	7,186.0	59.4	12.5	-90.00	-3,975.4	1,382.4	999.4	929.9	69.53	14.373		
10,400.0	7,200.0	7,186.0	7,186.0	61.0	12.5	-90.00	-3,975.4	1,382.4	910.5	839.3	71.25	12.780		
10,500.0	7,200.0	7,186.0	7,186.0	62.7	12.5	-90.00	-3,975.4	1,382.4	824.2	751.2	72.96	11.297		
10,600.0	7,200.0	7,186.0	7,186.0	64.3	12.5	-90.00	-3,975.4	1,382.4	741.3	666.7	74.68	9.927		
10,700.0	7,200.0	7,186.0	7,186.0	66.0	12.5	-90.00	-3,975.4	1,382.4	663.2	586.8	76.40	8.681		
10,800.0	7,200.0	7,186.0	7,186.0	67.7	12.5	-90.00	-3,975.4	1,382.4	591.7	513.6	78.12	7.574		
10,900.0	7,200.0	7,186.0	7,186.0	69.3	12.5	-90.00	-3,975.4	1,382.4	529.5	449.7	79.84	6.632		
11,000.0	7,200.0	7,186.0	7,186.0	71.0	12.5	-90.00	-3,975.4	1,382.4	480.2	398.7	81.57	5.888		
11,100.0	7,200.0	7,186.0	7,186.0	72.7	12.5	-90.00	-3,975.4	1,382.4	448.2	364.9	83.29	5.381		
11,198.7	7,200.0	7,186.0	7,186.0	74.3	12.5	-90.00	-3,975.4	1,382.4	437.2	352.2	85.00	5.144 CC		
11,200.0	7,200.0	7,186.0	7,186.0	74.4	12.5	-90.00	-3,975.4	1,382.4	437.2	352.2	85.02	5.142 ES, SF		
11,300.0	7,200.0	7,186.0	7,186.0	76.0	12.5	-90.00	-3,975.4	1,382.4	448.8	362.0	86.75	5.173		
11,400.0	7,200.0	7,186.0	7,186.0	77.7	12.5	-90.00	-3,975.4	1,382.4	481.3	392.8	88.48	5.440		
11,500.0	7,200.0	7,186.0	7,186.0	79.4	12.5	-90.00	-3,975.4	1,382.4	531.0	440.8	90.21	5.886		
11,600.0	7,200.0	7,186.0	7,186.0	81.1	12.5	-90.00	-3,975.4	1,382.4	593.5	501.5	91.94	6.455		
11,700.0	7,200.0	7,186.0	7,186.0	82.8	12.5	-90.00	-3,975.4	1,382.4	665.2	571.5	93.68	7.101		
11,800.0	7,200.0	7,186.0	7,186.0	84.5	12.5	-90.00	-3,975.4	1,382.4	743.4	648.0	95.41	7.792		
11,900.0	7,200.0	7,186.0	7,186.0	86.2	12.5	-90.00	-3,975.4	1,382.4	826.4	729.3	97.14	8.507		
12,000.0	7,200.0	7,186.0	7,186.0	87.9	12.5	-90.00	-3,975.4	1,382.4	912.8	813.9	98.88	9.232		
12,100.0	7,200.0	7,186.0	7,186.0	89.6	12.5	-90.00	-3,975.4	1,382.4	1,001.7	901.1	100.62	9.956		
12,200.0	7,200.0	7,186.0	7,186.0	91.3	12.5	-90.00	-3,975.4	1,382.4	1,092.6	990.2	102.35	10.675		
12,300.0	7,200.0	7,186.0	7,186.0	93.0	12.5	-90.00	-3,975.4	1,382.4	1,184.9	1,080.8	104.09	11.384		
12,400.0	7,200.0	7,186.0	7,186.0	94.8	12.5	-90.00	-3,975.4	1,382.4	1,278.4	1,172.6	105.83	12.080		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 8028-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	-146.01	-387.2	-261.1	467.4						
100.0	100.0	82.0	82.0	0.1	0.1	-146.01	-387.2	-261.1	467.0	466.8	0.28	1,692.437			
200.0	200.0	182.0	182.0	0.3	0.3	-146.01	-387.2	-261.1	467.0	466.4	0.63	747.244			
300.0	300.0	282.0	282.0	0.5	0.5	-146.01	-387.2	-261.1	467.0	466.1	0.97	479.470			
400.0	400.0	382.0	382.0	0.7	0.7	-146.01	-387.2	-261.1	467.0	465.7	1.32	352.980 CC, ES			
500.0	500.0	482.0	482.0	0.8	0.8	137.13	-387.2	-261.1	468.3	466.7	1.67	279.952			
600.0	599.8	581.8	581.8	1.0	1.0	137.51	-387.2	-261.1	472.2	470.1	2.03	232.940			
700.0	699.5	681.5	681.5	1.2	1.2	138.13	-387.2	-261.1	478.6	476.3	2.39	200.223			
800.0	798.7	780.7	780.7	1.5	1.4	138.96	-387.2	-261.1	487.8	485.0	2.77	176.257			
900.0	897.6	879.6	879.6	1.8	1.5	140.02	-387.2	-261.1	498.9	495.7	3.15	158.183			
1,000.0	996.6	978.6	978.6	2.0	1.7	141.07	-387.2	-261.1	510.2	506.6	3.54	144.005			
1,100.0	1,095.5	1,077.5	1,077.5	2.3	1.9	142.07	-387.2	-261.1	521.6	517.7	3.93	132.675			
1,200.0	1,194.4	1,176.4	1,176.4	2.6	2.1	143.03	-387.2	-261.1	533.2	528.9	4.32	123.452			
1,300.0	1,293.4	1,275.4	1,275.4	2.9	2.2	143.95	-387.2	-261.1	545.0	540.3	4.71	115.823			
1,400.0	1,392.3	1,374.3	1,374.3	3.2	2.4	144.82	-387.2	-261.1	556.9	551.8	5.09	109.421			
1,500.0	1,491.2	1,473.2	1,473.2	3.5	2.6	145.67	-387.2	-261.1	568.9	563.4	5.47	103.983			
1,600.0	1,590.2	1,572.2	1,572.2	3.8	2.7	146.47	-387.2	-261.1	581.0	575.1	5.85	99.312			
1,700.0	1,689.1	1,671.1	1,671.1	4.1	2.9	147.25	-387.2	-261.1	593.2	587.0	6.23	95.262			
1,800.0	1,788.0	1,770.0	1,770.0	4.4	3.1	147.99	-387.2	-261.1	605.6	599.0	6.60	91.721			
1,900.0	1,887.0	1,869.0	1,869.0	4.7	3.3	148.71	-387.2	-261.1	618.0	611.0	6.98	88.601			
2,000.0	1,985.9	1,967.9	1,967.9	5.1	3.4	149.39	-387.2	-261.1	630.5	623.2	7.35	85.833			
2,100.0	2,084.9	2,066.9	2,066.9	5.4	3.6	150.05	-387.2	-261.1	643.1	635.4	7.71	83.363			
2,200.0	2,183.8	2,165.8	2,165.8	5.7	3.8	150.68	-387.2	-261.1	655.8	647.7	8.08	81.147			
2,300.0	2,282.7	2,264.7	2,264.7	6.0	4.0	151.29	-387.2	-261.1	668.6	660.1	8.45	79.148			
2,400.0	2,381.7	2,363.7	2,363.7	6.3	4.1	151.88	-387.2	-261.1	681.4	672.6	8.81	77.337			
2,500.0	2,480.6	2,462.6	2,462.6	6.6	4.3	152.44	-387.2	-261.1	694.3	685.2	9.17	75.689			
2,600.0	2,579.5	2,561.5	2,561.5	6.9	4.5	152.99	-387.2	-261.1	707.3	697.8	9.53	74.184			
2,700.0	2,678.5	2,660.5	2,660.5	7.2	4.6	153.51	-387.2	-261.1	720.3	710.5	9.89	72.804			
2,800.0	2,777.4	2,759.4	2,759.4	7.5	4.8	154.02	-387.2	-261.1	733.4	723.2	10.25	71.535			
2,900.0	2,876.3	2,858.3	2,858.3	7.8	5.0	154.51	-387.2	-261.1	746.6	736.0	10.61	70.365			
3,000.0	2,975.3	2,957.3	2,957.3	8.1	5.2	154.98	-387.2	-261.1	759.8	748.8	10.97	69.282			
3,100.0	3,074.2	3,056.2	3,056.2	8.4	5.3	155.44	-387.2	-261.1	773.0	761.7	11.32	68.278			
3,200.0	3,173.1	3,155.1	3,155.1	8.8	5.5	155.88	-387.2	-261.1	786.3	774.6	11.68	67.343			
3,300.0	3,272.1	3,254.1	3,254.1	9.1	5.7	156.30	-387.2	-261.1	799.7	787.6	12.03	66.473			
3,400.0	3,371.0	3,353.0	3,353.0	9.4	5.9	156.71	-387.2	-261.1	813.0	800.7	12.38	65.659			
3,500.0	3,469.9	3,451.9	3,451.9	9.7	6.0	157.11	-387.2	-261.1	826.5	813.7	12.73	64.897			
3,600.0	3,568.9	3,550.9	3,550.9	10.0	6.2	157.50	-387.2	-261.1	839.9	826.8	13.09	64.183			
3,700.0	3,667.8	3,649.8	3,649.8	10.3	6.4	157.87	-387.2	-261.1	853.4	840.0	13.44	63.512			
3,800.0	3,766.7	3,748.7	3,748.7	10.6	6.5	158.23	-387.2	-261.1	866.9	853.1	13.79	62.880			
3,900.0	3,865.7	3,847.7	3,847.7	10.9	6.7	158.59	-387.2	-261.1	880.5	866.4	14.14	62.283			
4,000.0	3,964.6	3,946.6	3,946.6	11.2	6.9	158.93	-387.2	-261.1	894.1	879.6	14.49	61.721			
4,100.0	4,063.5	4,045.5	4,045.5	11.5	7.1	159.26	-387.2	-261.1	907.7	892.9	14.83	61.188			
4,200.0	4,162.5	4,144.5	4,144.5	11.8	7.2	159.58	-387.2	-261.1	921.4	906.2	15.18	60.684			
4,300.0	4,261.4	4,243.4	4,243.4	12.2	7.4	159.89	-387.2	-261.1	935.0	919.5	15.53	60.205			
4,400.0	4,360.3	4,342.3	4,342.3	12.5	7.6	160.19	-387.2	-261.1	948.7	932.9	15.88	59.751			
4,500.0	4,459.3	4,441.3	4,441.3	12.8	7.8	160.48	-387.2	-261.1	962.5	946.2	16.23	59.318			
4,600.0	4,558.2	4,540.2	4,540.2	13.1	7.9	160.77	-387.2	-261.1	976.2	959.7	16.57	58.907			
4,700.0	4,657.1	4,639.1	4,639.1	13.4	8.1	161.05	-387.2	-261.1	990.0	973.1	16.92	58.515			
4,800.0	4,756.1	4,738.1	4,738.1	13.7	8.3	161.31	-387.2	-261.1	1,003.8	986.5	17.27	58.140			
4,900.0	4,855.0	4,837.0	4,837.0	14.0	8.4	161.58	-387.2	-261.1	1,017.6	1,000.0	17.61	57.783			
5,000.0	4,953.9	4,935.9	4,935.9	14.3	8.6	161.83	-387.2	-261.1	1,031.5	1,013.5	17.96	57.441			
5,100.0	5,052.9	5,034.9	5,034.9	14.6	8.8	162.08	-387.2	-261.1	1,045.3	1,027.0	18.30	57.114			

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

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
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Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER 2 (EXISTING) - EXISTING - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8028-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	5,151.8	5,133.8	5,133.8	14.9	9.0	162.32	-387.2	-261.1	1,059.2	1,040.6	18.65	56.800		
5,300.0	5,250.7	5,232.7	5,232.7	15.3	9.1	162.56	-387.2	-261.1	1,073.1	1,054.1	18.99	56.500		
5,400.0	5,349.7	5,331.7	5,331.7	15.6	9.3	162.79	-387.2	-261.1	1,087.0	1,067.7	19.34	56.211		
5,500.0	5,448.6	5,430.6	5,430.6	15.9	9.5	163.01	-387.2	-261.1	1,101.0	1,081.3	19.68	55.934		
5,600.0	5,547.5	5,529.5	5,529.5	16.2	9.7	163.23	-387.2	-261.1	1,114.9	1,094.9	20.03	55.668		
5,700.0	5,646.5	5,628.5	5,628.5	16.5	9.8	163.44	-387.2	-261.1	1,128.9	1,108.5	20.37	55.412		
5,800.0	5,745.4	5,727.4	5,727.4	16.8	10.0	163.65	-387.2	-261.1	1,142.8	1,122.1	20.72	55.165		
5,900.0	5,844.3	5,826.3	5,826.3	17.1	10.2	163.86	-387.2	-261.1	1,156.8	1,135.8	21.06	54.927		
6,000.0	5,943.3	5,925.3	5,925.3	17.4	10.3	164.05	-387.2	-261.1	1,170.8	1,149.4	21.41	54.698		
6,100.0	6,042.2	6,024.2	6,024.2	17.7	10.5	164.25	-387.2	-261.1	1,184.9	1,163.1	21.75	54.478		
6,200.0	6,141.1	6,123.1	6,123.1	18.0	10.7	164.44	-387.2	-261.1	1,198.9	1,176.8	22.09	54.264		
6,300.0	6,240.1	6,222.1	6,222.1	18.4	10.9	164.62	-387.2	-261.1	1,212.9	1,190.5	22.44	54.058		
6,400.0	6,339.0	6,321.0	6,321.0	18.7	11.0	164.80	-387.2	-261.1	1,227.0	1,204.2	22.78	53.859		
6,500.0	6,437.9	6,419.9	6,419.9	19.0	11.2	164.98	-387.2	-261.1	1,241.1	1,217.9	23.13	53.667		
6,600.0	6,536.9	6,518.9	6,518.9	19.3	11.4	165.15	-387.2	-261.1	1,255.1	1,231.7	23.47	53.481		
6,700.0	6,635.8	6,617.8	6,617.8	19.6	11.6	165.11	-387.2	-261.1	1,269.1	1,245.2	23.85	53.199		
6,800.0	6,734.3	6,716.3	6,716.3	19.9	11.7	100.84	-387.2	-261.1	1,277.4	1,253.1	24.28	52.610		
6,900.0	6,829.6	6,811.6	6,811.6	20.1	11.9	85.78	-387.2	-261.1	1,278.0	1,253.5	24.52	52.118		
7,000.0	6,919.0	6,901.0	6,901.0	20.2	12.0	81.52	-387.2	-261.1	1,272.0	1,247.3	24.67	51.556		
7,100.0	6,999.7	6,981.7	6,981.7	20.4	12.2	81.32	-387.2	-261.1	1,260.8	1,236.0	24.85	50.744		
7,200.0	7,069.2	7,051.2	7,051.2	20.7	12.3	82.99	-387.2	-261.1	1,246.7	1,221.6	25.13	49.617		
7,300.0	7,125.5	7,107.5	7,107.5	21.0	12.4	85.39	-387.2	-261.1	1,232.1	1,206.5	25.53	48.257		
7,400.0	7,166.8	7,148.8	7,148.8	21.3	12.5	87.70	-387.2	-261.1	1,219.2	1,193.1	26.05	46.794		
7,500.0	7,191.9	7,173.9	7,173.9	21.8	12.5	89.36	-387.2	-261.1	1,210.2	1,183.5	26.70	45.328		
7,600.0	7,200.0	7,182.0	7,182.0	22.4	12.5	90.00	-387.2	-261.1	1,206.3	1,178.9	27.45	43.947		
7,610.6	7,200.0	7,182.0	7,182.0	22.5	12.5	90.00	-387.2	-261.1	1,206.3	1,178.7	27.56	43.771		
7,700.0	7,200.0	7,182.0	7,182.0	23.1	12.5	90.00	-387.2	-261.1	1,209.6	1,181.1	28.49	42.460		
7,800.0	7,200.0	7,182.0	7,182.0	23.9	12.5	90.00	-387.2	-261.1	1,221.1	1,191.4	29.64	41.191		
7,900.0	7,200.0	7,182.0	7,182.0	24.8	12.5	90.00	-387.2	-261.1	1,240.5	1,209.6	30.90	40.153		
8,000.0	7,200.0	7,182.0	7,182.0	25.8	12.5	90.00	-387.2	-261.1	1,267.6	1,235.4	32.22	39.338 SF		

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER U 14-11 (EXISTING) - EXISTING - NO SURVE										Offset Site Error:		0.0 ft					
Survey Program: 7625-MWD														Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning				
8,600.0	7,200.0	7,185.0	7,185.0	33.1	12.5	90.00	-2,519.4	407.6	1,262.8	1,221.6	41.18	30.669					
8,700.0	7,200.0	7,185.0	7,185.0	34.5	12.5	90.00	-2,519.4	407.6	1,173.1	1,130.3	42.77	27.431					
8,800.0	7,200.0	7,185.0	7,185.0	35.9	12.5	90.00	-2,519.4	407.6	1,085.2	1,040.8	44.37	24.456					
8,900.0	7,200.0	7,185.0	7,185.0	37.4	12.5	90.00	-2,519.4	407.6	999.5	953.5	45.99	21.732					
9,000.0	7,200.0	7,185.0	7,185.0	38.8	12.5	90.00	-2,519.4	407.6	916.8	869.2	47.63	19.249					
9,100.0	7,200.0	7,185.0	7,185.0	40.3	12.5	90.00	-2,519.4	407.6	837.9	788.6	49.28	17.004					
9,200.0	7,200.0	7,185.0	7,185.0	41.8	12.5	90.00	-2,519.4	407.6	763.9	712.9	50.93	14.998					
9,300.0	7,200.0	7,185.0	7,185.0	43.4	12.5	90.00	-2,519.4	407.6	696.4	643.8	52.59	13.240					
9,400.0	7,200.0	7,185.0	7,185.0	44.9	12.5	90.00	-2,519.4	407.6	637.5	583.2	54.27	11.747					
9,500.0	7,200.0	7,185.0	7,185.0	46.5	12.5	90.00	-2,519.4	407.6	589.8	533.8	55.94	10.543					
9,600.0	7,200.0	7,185.0	7,185.0	48.1	12.5	90.00	-2,519.4	407.6	556.2	498.5	57.63	9.651					
9,700.0	7,200.0	7,185.0	7,185.0	49.6	12.5	90.00	-2,519.4	407.6	539.2	479.9	59.32	9.091					
9,742.7	7,200.0	7,185.0	7,185.0	50.3	12.5	90.00	-2,519.4	407.6	537.5	477.5	60.04	8.953 CC, ES					
9,800.0	7,200.0	7,185.0	7,185.0	51.2	12.5	90.00	-2,519.4	407.6	540.6	479.6	61.01	8.861 SF					
9,900.0	7,200.0	7,185.0	7,185.0	52.9	12.5	90.00	-2,519.4	407.6	560.1	497.4	62.71	8.932					
10,000.0	7,200.0	7,185.0	7,185.0	54.5	12.5	90.00	-2,519.4	407.6	595.9	531.5	64.41	9.253					
10,100.0	7,200.0	7,185.0	7,185.0	56.1	12.5	90.00	-2,519.4	407.6	645.5	579.3	66.11	9.763					
10,200.0	7,200.0	7,185.0	7,185.0	57.7	12.5	90.00	-2,519.4	407.6	705.7	637.9	67.82	10.406					
10,300.0	7,200.0	7,185.0	7,185.0	59.4	12.5	90.00	-2,519.4	407.6	774.3	704.8	69.53	11.136					
10,400.0	7,200.0	7,185.0	7,185.0	61.0	12.5	90.00	-2,519.4	407.6	849.1	777.9	71.24	11.918					
10,500.0	7,200.0	7,185.0	7,185.0	62.7	12.5	90.00	-2,519.4	407.6	928.7	855.7	72.96	12.729					
10,600.0	7,200.0	7,185.0	7,185.0	64.3	12.5	90.00	-2,519.4	407.6	1,011.9	937.2	74.68	13.550					
10,700.0	7,200.0	7,185.0	7,185.0	66.0	12.5	90.00	-2,519.4	407.6	1,097.9	1,021.5	76.40	14.371					
10,800.0	7,200.0	7,185.0	7,185.0	67.7	12.5	90.00	-2,519.4	407.6	1,186.1	1,108.0	78.12	15.183					
10,900.0	7,200.0	7,185.0	7,185.0	69.3	12.5	90.00	-2,519.4	407.6	1,276.0	1,196.2	79.84	15.982					

Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design S14-T2N-R68W (Grant Elmquist/Salisbury) - OLANDER U 14-14 (EXISTING) - EXISTING - NO SURVE												Offset Site Error:	0.0 ft
Survey Program: 7650-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
10,300.0	7,200.0	7,190.0	7,190.0	59.4	12.5	90.00	-4,051.9	248.0	1,198.8	1,129.3	69.54	17.239	
10,400.0	7,200.0	7,190.0	7,190.0	61.0	12.5	90.00	-4,051.9	248.0	1,119.0	1,047.7	71.25	15.704	
10,500.0	7,200.0	7,190.0	7,190.0	62.7	12.5	90.00	-4,051.9	248.0	1,042.6	969.6	72.97	14.288	
10,600.0	7,200.0	7,190.0	7,190.0	64.3	12.5	90.00	-4,051.9	248.0	970.6	895.9	74.69	12.995	
10,700.0	7,200.0	7,190.0	7,190.0	66.0	12.5	90.00	-4,051.9	248.0	903.8	827.4	76.41	11.830	
10,800.0	7,200.0	7,190.0	7,190.0	67.7	12.5	90.00	-4,051.9	248.0	843.7	765.6	78.13	10.800	
10,900.0	7,200.0	7,190.0	7,190.0	69.3	12.5	90.00	-4,051.9	248.0	791.7	711.9	79.85	9.915	
11,000.0	7,200.0	7,190.0	7,190.0	71.0	12.5	90.00	-4,051.9	248.0	749.5	668.0	81.57	9.188	
11,100.0	7,200.0	7,190.0	7,190.0	72.7	12.5	90.00	-4,051.9	248.0	718.9	635.6	83.30	8.630	
11,200.0	7,200.0	7,190.0	7,190.0	74.4	12.5	90.00	-4,051.9	248.0	701.2	616.2	85.03	8.247	
11,275.2	7,200.0	7,190.0	7,190.0	75.6	12.5	90.00	-4,051.9	248.0	697.2	610.8	86.33	8.076 CC, ES	
11,300.0	7,200.0	7,190.0	7,190.0	76.0	12.5	90.00	-4,051.9	248.0	697.6	610.8	86.76	8.041	
11,400.0	7,200.0	7,190.0	7,190.0	77.7	12.5	90.00	-4,051.9	248.0	708.2	619.8	88.49	8.004 SF	
11,500.0	7,200.0	7,190.0	7,190.0	79.4	12.5	90.00	-4,051.9	248.0	732.5	642.3	90.22	8.119	
11,600.0	7,200.0	7,190.0	7,190.0	81.1	12.5	90.00	-4,051.9	248.0	769.1	677.2	91.95	8.364	
11,700.0	7,200.0	7,190.0	7,190.0	82.8	12.5	90.00	-4,051.9	248.0	816.4	722.7	93.68	8.714	
11,800.0	7,200.0	7,190.0	7,190.0	84.5	12.5	90.00	-4,051.9	248.0	872.6	777.2	95.42	9.145	
11,900.0	7,200.0	7,190.0	7,190.0	86.2	12.5	90.00	-4,051.9	248.0	936.2	839.0	97.15	9.636	
12,000.0	7,200.0	7,190.0	7,190.0	87.9	12.5	90.00	-4,051.9	248.0	1,005.7	906.8	98.89	10.170	
12,100.0	7,200.0	7,190.0	7,190.0	89.6	12.5	90.00	-4,051.9	248.0	1,079.9	979.3	100.62	10.733	
12,200.0	7,200.0	7,190.0	7,190.0	91.3	12.5	90.00	-4,051.9	248.0	1,158.1	1,055.8	102.36	11.314	
12,300.0	7,200.0	7,190.0	7,190.0	93.0	12.5	90.00	-4,051.9	248.0	1,239.4	1,135.3	104.10	11.907	

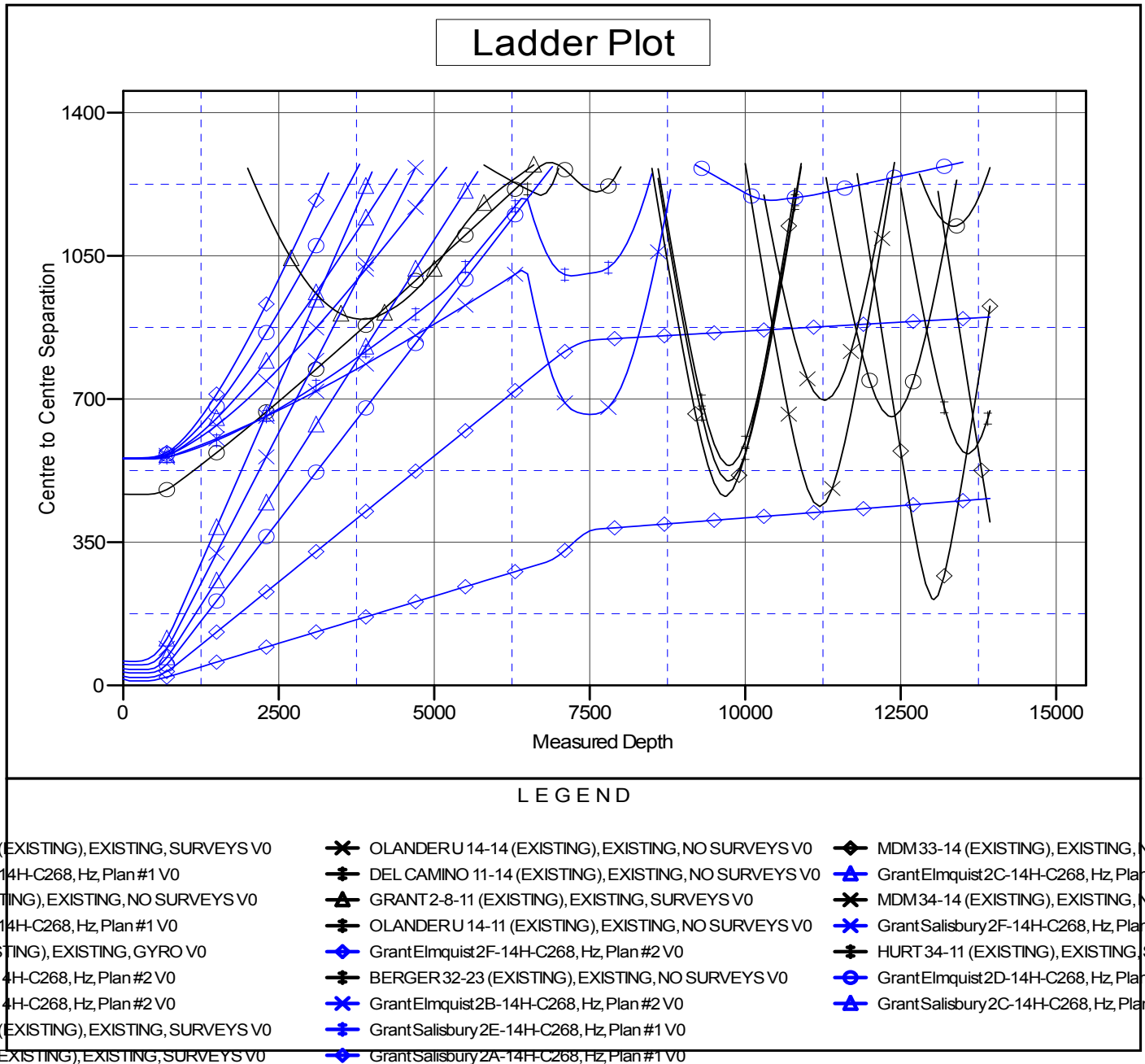
Cathedral Energy Services

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Grant Elmquist 2G-14H-C268
Project:	DJ Wattenberg	TVD Reference:	WELL @ 4905.0ft (Original Well Elev)
Reference Site:	S14-T2N-R68W (Grant Elmquist/Salisbury)	MD Reference:	WELL @ 4905.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Grant Elmquist 2G-14H-C268	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	Hz	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 4905.0ft (Original Well Elev)
 Offset Depths are relative to Offset Datum
 Central Meridian is -105.500000 °

Coordinates are relative to: Grant Elmquist 2G-14H-C268
 Coordinate System is US State Plane 1983, Colorado Northern Zone
 Grid Convergence at Surface is: 0.34°



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