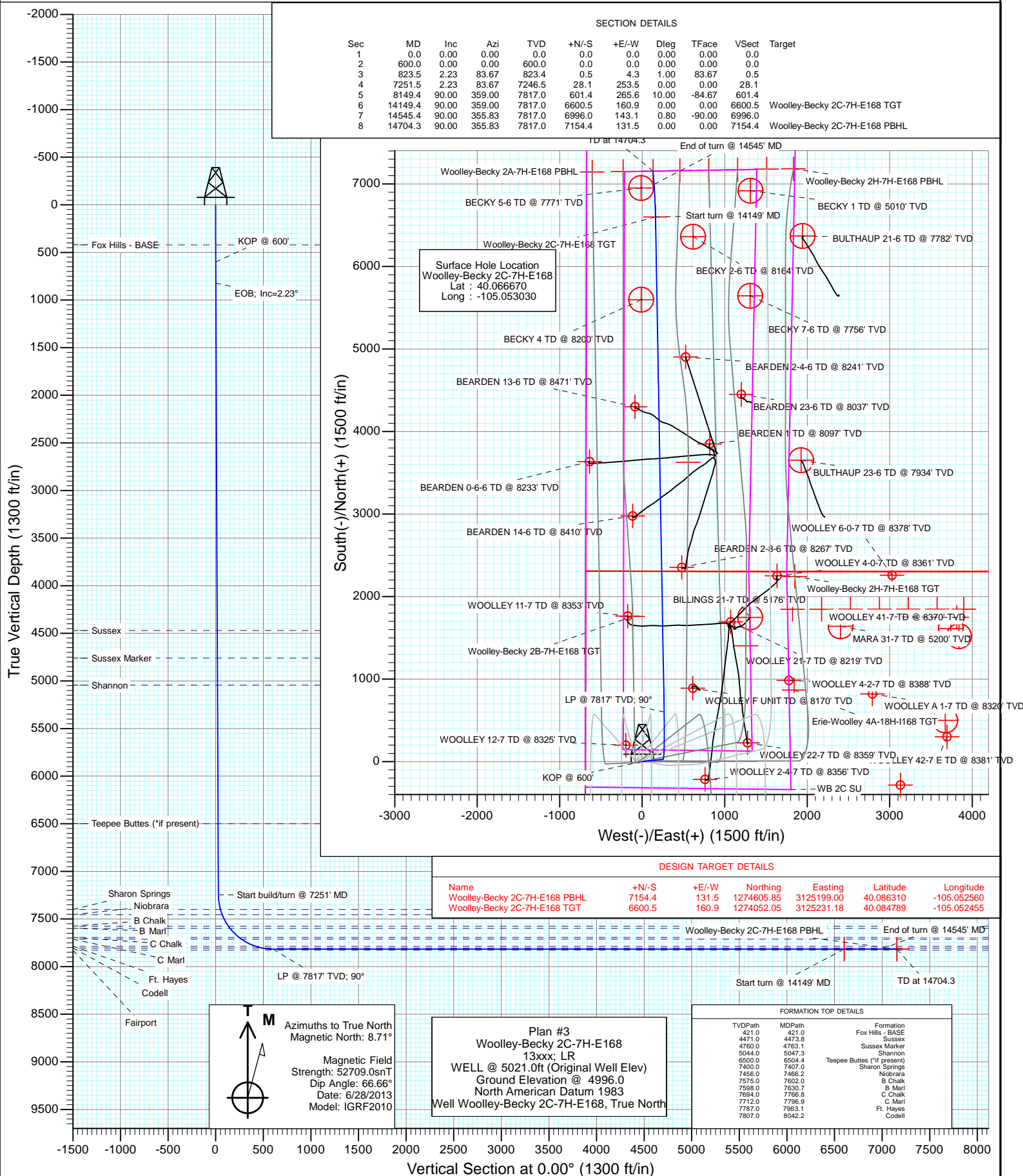




Project: DJ Wattenberg
Site: S7-T1N-R68W (Woolley-Sosa/Becky)
Well: Woolley-Becky 2C-7H-E168
Wellbore: Hz
Design: Plan #3



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	North Reference:	True
Well:	Woolley-Becky 2C-7H-E168	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

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

Well	Woolley-Becky 2C-7H-E168					
Well Position	+N/-S	0.0 ft	Northing:	1,267,450.86 ft	Latitude:	40.066670
	+E/-W	0.0 ft	Easting:	3,125,103.56 ft	Longitude:	-105.053030
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,996.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/28/2013	8.71	66.66	52,709

Design	Plan #3			
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	0.00

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	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
823.5	2.23	83.67	823.4	0.5	4.3	1.00	1.00	0.00	83.67	
7,251.5	2.23	83.67	7,246.5	28.1	253.5	0.00	0.00	0.00	0.00	
8,149.4	90.00	359.00	7,817.0	601.4	265.6	10.00	9.77	-9.43	-84.67	
14,149.4	90.00	359.00	7,817.0	6,600.5	160.9	0.00	0.00	0.00	0.00	Woolley-Becky 2C-7H
14,545.4	90.00	355.83	7,817.0	6,996.0	143.1	0.80	0.00	-0.80	-90.00	
14,704.3	90.00	355.83	7,817.0	7,154.4	131.5	0.00	0.00	0.00	0.00	Woolley-Becky 2C-7H

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	North Reference:	True
Well:	Woolley-Becky 2C-7H-E168	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
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	
421.0	0.00	0.00	421.0	0.0	0.0	0.0	0.00	0.00	Fox Hills - BASE
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	KOP @ 600'
700.0	1.00	83.67	700.0	0.1	0.9	0.1	1.00	1.00	
800.0	2.00	83.67	800.0	0.4	3.5	0.4	1.00	1.00	
823.5	2.23	83.67	823.4	0.5	4.3	0.5	1.00	1.00	EOB; Inc=2.23°
900.0	2.23	83.67	899.9	0.8	7.3	0.8	0.00	0.00	
1,000.0	2.23	83.67	999.8	1.2	11.2	1.2	0.00	0.00	
1,100.0	2.23	83.67	1,099.7	1.7	15.0	1.7	0.00	0.00	
1,200.0	2.23	83.67	1,199.7	2.1	18.9	2.1	0.00	0.00	
1,300.0	2.23	83.67	1,299.6	2.5	22.8	2.5	0.00	0.00	
1,400.0	2.23	83.67	1,399.5	3.0	26.7	3.0	0.00	0.00	
1,500.0	2.23	83.67	1,499.4	3.4	30.6	3.4	0.00	0.00	
1,600.0	2.23	83.67	1,599.4	3.8	34.4	3.8	0.00	0.00	
1,700.0	2.23	83.67	1,699.3	4.2	38.3	4.2	0.00	0.00	
1,800.0	2.23	83.67	1,799.2	4.7	42.2	4.7	0.00	0.00	
1,900.0	2.23	83.67	1,899.1	5.1	46.1	5.1	0.00	0.00	
2,000.0	2.23	83.67	1,999.0	5.5	49.9	5.5	0.00	0.00	
2,100.0	2.23	83.67	2,099.0	6.0	53.8	6.0	0.00	0.00	
2,200.0	2.23	83.67	2,198.9	6.4	57.7	6.4	0.00	0.00	
2,300.0	2.23	83.67	2,298.8	6.8	61.6	6.8	0.00	0.00	
2,400.0	2.23	83.67	2,398.7	7.3	65.4	7.3	0.00	0.00	
2,500.0	2.23	83.67	2,498.7	7.7	69.3	7.7	0.00	0.00	
2,600.0	2.23	83.67	2,598.6	8.1	73.2	8.1	0.00	0.00	
2,700.0	2.23	83.67	2,698.5	8.5	77.1	8.5	0.00	0.00	
2,800.0	2.23	83.67	2,798.4	9.0	80.9	9.0	0.00	0.00	
2,900.0	2.23	83.67	2,898.4	9.4	84.8	9.4	0.00	0.00	
3,000.0	2.23	83.67	2,998.3	9.8	88.7	9.8	0.00	0.00	
3,100.0	2.23	83.67	3,098.2	10.3	92.6	10.3	0.00	0.00	
3,200.0	2.23	83.67	3,198.1	10.7	96.4	10.7	0.00	0.00	
3,300.0	2.23	83.67	3,298.1	11.1	100.3	11.1	0.00	0.00	
3,400.0	2.23	83.67	3,398.0	11.6	104.2	11.6	0.00	0.00	
3,500.0	2.23	83.67	3,497.9	12.0	108.1	12.0	0.00	0.00	
3,600.0	2.23	83.67	3,597.8	12.4	111.9	12.4	0.00	0.00	
3,700.0	2.23	83.67	3,697.8	12.8	115.8	12.8	0.00	0.00	
3,800.0	2.23	83.67	3,797.7	13.3	119.7	13.3	0.00	0.00	
3,900.0	2.23	83.67	3,897.6	13.7	123.6	13.7	0.00	0.00	
4,000.0	2.23	83.67	3,997.5	14.1	127.4	14.1	0.00	0.00	
4,100.0	2.23	83.67	4,097.5	14.6	131.3	14.6	0.00	0.00	
4,200.0	2.23	83.67	4,197.4	15.0	135.2	15.0	0.00	0.00	
4,300.0	2.23	83.67	4,297.3	15.4	139.1	15.4	0.00	0.00	
4,400.0	2.23	83.67	4,397.2	15.9	142.9	15.9	0.00	0.00	
4,473.8	2.23	83.67	4,471.0	16.2	145.8	16.2	0.00	0.00	Sussex
4,500.0	2.23	83.67	4,497.1	16.3	146.8	16.3	0.00	0.00	
4,600.0	2.23	83.67	4,597.1	16.7	150.7	16.7	0.00	0.00	
4,700.0	2.23	83.67	4,697.0	17.1	154.6	17.1	0.00	0.00	
4,763.1	2.23	83.67	4,760.0	17.4	157.0	17.4	0.00	0.00	Sussex Marker

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	North Reference:	True
Well:	Woolley-Becky 2C-7H-E168	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,800.0	2.23	83.67	4,796.9	17.6	158.4	17.6	0.00	0.00	
4,900.0	2.23	83.67	4,896.8	18.0	162.3	18.0	0.00	0.00	
5,000.0	2.23	83.67	4,996.8	18.4	166.2	18.4	0.00	0.00	
5,047.3	2.23	83.67	5,044.0	18.6	168.0	18.6	0.00	0.00	Shannon
5,100.0	2.23	83.67	5,096.7	18.9	170.1	18.9	0.00	0.00	
5,200.0	2.23	83.67	5,196.6	19.3	173.9	19.3	0.00	0.00	
5,300.0	2.23	83.67	5,296.5	19.7	177.8	19.7	0.00	0.00	
5,400.0	2.23	83.67	5,396.5	20.2	181.7	20.2	0.00	0.00	
5,500.0	2.23	83.67	5,496.4	20.6	185.6	20.6	0.00	0.00	
5,600.0	2.23	83.67	5,596.3	21.0	189.4	21.0	0.00	0.00	
5,700.0	2.23	83.67	5,696.2	21.4	193.3	21.4	0.00	0.00	
5,800.0	2.23	83.67	5,796.2	21.9	197.2	21.9	0.00	0.00	
5,900.0	2.23	83.67	5,896.1	22.3	201.1	22.3	0.00	0.00	
6,000.0	2.23	83.67	5,996.0	22.7	205.0	22.7	0.00	0.00	
6,100.0	2.23	83.67	6,095.9	23.2	208.8	23.2	0.00	0.00	
6,200.0	2.23	83.67	6,195.9	23.6	212.7	23.6	0.00	0.00	
6,300.0	2.23	83.67	6,295.8	24.0	216.6	24.0	0.00	0.00	
6,400.0	2.23	83.67	6,395.7	24.5	220.5	24.5	0.00	0.00	
6,500.0	2.23	83.67	6,495.6	24.9	224.3	24.9	0.00	0.00	
6,504.4	2.23	83.67	6,500.0	24.9	224.5	24.9	0.00	0.00	Teepee Buttes (*if present)
6,600.0	2.23	83.67	6,595.6	25.3	228.2	25.3	0.00	0.00	
6,700.0	2.23	83.67	6,695.5	25.7	232.1	25.7	0.00	0.00	
6,800.0	2.23	83.67	6,795.4	26.2	236.0	26.2	0.00	0.00	
6,900.0	2.23	83.67	6,895.3	26.6	239.8	26.6	0.00	0.00	
7,000.0	2.23	83.67	6,995.2	27.0	243.7	27.0	0.00	0.00	
7,100.0	2.23	83.67	7,095.2	27.5	247.6	27.5	0.00	0.00	
7,200.0	2.23	83.67	7,195.1	27.9	251.5	27.9	0.00	0.00	
7,251.5	2.23	83.67	7,246.5	28.1	253.5	28.1	0.00	0.00	Start build/turn @ 7251' MD
7,300.0	5.52	22.68	7,295.0	30.4	255.3	30.4	10.00	6.78	
7,400.0	15.22	7.21	7,393.2	47.9	258.8	47.9	10.00	9.69	
7,407.0	15.91	6.83	7,400.0	49.8	259.0	49.8	10.00	9.89	Sharon Springs
7,466.2	21.79	4.58	7,456.0	68.8	260.9	68.8	10.00	9.93	Niobrara
7,500.0	25.15	3.75	7,487.0	82.2	261.9	82.2	10.00	9.95	
7,600.0	35.12	2.17	7,573.3	132.3	264.3	132.3	10.00	9.97	
7,602.0	35.32	2.14	7,575.0	133.4	264.4	133.4	10.00	9.98	B Chalk
7,630.7	38.19	1.83	7,598.0	150.6	265.0	150.6	10.00	9.98	B Marl
7,700.0	45.10	1.22	7,649.7	196.6	266.2	196.6	10.00	9.98	
7,766.8	51.77	0.75	7,694.0	246.5	267.0	246.5	10.00	9.99	C Chalk
7,796.9	54.78	0.57	7,712.0	270.6	267.3	270.6	10.00	9.99	C Marl
7,800.0	55.09	0.55	7,713.8	273.2	267.3	273.2	10.00	9.99	
7,900.0	65.08	0.03	7,763.6	359.8	267.8	359.8	10.00	9.99	
7,963.1	71.38	359.75	7,787.0	418.3	267.6	418.3	10.00	9.99	Ft. Hayes
8,000.0	75.07	359.59	7,797.6	453.7	267.4	453.7	10.00	9.99	
8,042.2	79.28	359.42	7,807.0	494.8	267.1	494.8	10.00	9.99	Codell
8,100.0	85.06	359.19	7,814.9	552.0	266.4	552.0	10.00	9.99	
8,149.4	90.00	359.00	7,817.0	601.4	265.6	601.4	10.00	9.99	LP @ 7817' TVD; 90°
8,200.0	90.00	359.00	7,817.0	651.9	264.7	651.9	0.00	0.00	
8,300.0	90.00	359.00	7,817.0	751.9	263.0	751.9	0.00	0.00	
8,400.0	90.00	359.00	7,817.0	851.9	261.2	851.9	0.00	0.00	
8,500.0	90.00	359.00	7,817.0	951.9	259.5	951.9	0.00	0.00	
8,600.0	90.00	359.00	7,817.0	1,051.9	257.8	1,051.9	0.00	0.00	
8,700.0	90.00	359.00	7,817.0	1,151.9	256.0	1,151.9	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	North Reference:	True
Well:	Woolley-Becky 2C-7H-E168	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
8,800.0	90.00	359.00	7,817.0	1,251.9	254.3	1,251.9	0.00	0.00	
8,900.0	90.00	359.00	7,817.0	1,351.8	252.5	1,351.8	0.00	0.00	
9,000.0	90.00	359.00	7,817.0	1,451.8	250.8	1,451.8	0.00	0.00	
9,100.0	90.00	359.00	7,817.0	1,551.8	249.0	1,551.8	0.00	0.00	
9,200.0	90.00	359.00	7,817.0	1,651.8	247.3	1,651.8	0.00	0.00	
9,300.0	90.00	359.00	7,817.0	1,751.8	245.5	1,751.8	0.00	0.00	
9,400.0	90.00	359.00	7,817.0	1,851.8	243.8	1,851.8	0.00	0.00	
9,500.0	90.00	359.00	7,817.0	1,951.7	242.0	1,951.7	0.00	0.00	
9,600.0	90.00	359.00	7,817.0	2,051.7	240.3	2,051.7	0.00	0.00	
9,700.0	90.00	359.00	7,817.0	2,151.7	238.6	2,151.7	0.00	0.00	
9,800.0	90.00	359.00	7,817.0	2,251.7	236.8	2,251.7	0.00	0.00	
9,900.0	90.00	359.00	7,817.0	2,351.7	235.1	2,351.7	0.00	0.00	
10,000.0	90.00	359.00	7,817.0	2,451.7	233.3	2,451.7	0.00	0.00	
10,100.0	90.00	359.00	7,817.0	2,551.7	231.6	2,551.7	0.00	0.00	
10,200.0	90.00	359.00	7,817.0	2,651.6	229.8	2,651.6	0.00	0.00	
10,300.0	90.00	359.00	7,817.0	2,751.6	228.1	2,751.6	0.00	0.00	
10,400.0	90.00	359.00	7,817.0	2,851.6	226.3	2,851.6	0.00	0.00	
10,500.0	90.00	359.00	7,817.0	2,951.6	224.6	2,951.6	0.00	0.00	
10,600.0	90.00	359.00	7,817.0	3,051.6	222.8	3,051.6	0.00	0.00	
10,700.0	90.00	359.00	7,817.0	3,151.6	221.1	3,151.6	0.00	0.00	
10,800.0	90.00	359.00	7,817.0	3,251.6	219.4	3,251.6	0.00	0.00	
10,900.0	90.00	359.00	7,817.0	3,351.5	217.6	3,351.5	0.00	0.00	
11,000.0	90.00	359.00	7,817.0	3,451.5	215.9	3,451.5	0.00	0.00	
11,100.0	90.00	359.00	7,817.0	3,551.5	214.1	3,551.5	0.00	0.00	
11,200.0	90.00	359.00	7,817.0	3,651.5	212.4	3,651.5	0.00	0.00	
11,300.0	90.00	359.00	7,817.0	3,751.5	210.6	3,751.5	0.00	0.00	
11,400.0	90.00	359.00	7,817.0	3,851.5	208.9	3,851.5	0.00	0.00	
11,500.0	90.00	359.00	7,817.0	3,951.4	207.1	3,951.4	0.00	0.00	
11,600.0	90.00	359.00	7,817.0	4,051.4	205.4	4,051.4	0.00	0.00	
11,700.0	90.00	359.00	7,817.0	4,151.4	203.6	4,151.4	0.00	0.00	
11,800.0	90.00	359.00	7,817.0	4,251.4	201.9	4,251.4	0.00	0.00	
11,900.0	90.00	359.00	7,817.0	4,351.4	200.2	4,351.4	0.00	0.00	
12,000.0	90.00	359.00	7,817.0	4,451.4	198.4	4,451.4	0.00	0.00	
12,100.0	90.00	359.00	7,817.0	4,551.4	196.7	4,551.4	0.00	0.00	
12,200.0	90.00	359.00	7,817.0	4,651.3	194.9	4,651.3	0.00	0.00	
12,300.0	90.00	359.00	7,817.0	4,751.3	193.2	4,751.3	0.00	0.00	
12,400.0	90.00	359.00	7,817.0	4,851.3	191.4	4,851.3	0.00	0.00	
12,500.0	90.00	359.00	7,817.0	4,951.3	189.7	4,951.3	0.00	0.00	
12,600.0	90.00	359.00	7,817.0	5,051.3	187.9	5,051.3	0.00	0.00	
12,700.0	90.00	359.00	7,817.0	5,151.3	186.2	5,151.3	0.00	0.00	
12,800.0	90.00	359.00	7,817.0	5,251.2	184.5	5,251.2	0.00	0.00	
12,900.0	90.00	359.00	7,817.0	5,351.2	182.7	5,351.2	0.00	0.00	
13,000.0	90.00	359.00	7,817.0	5,451.2	181.0	5,451.2	0.00	0.00	
13,100.0	90.00	359.00	7,817.0	5,551.2	179.2	5,551.2	0.00	0.00	
13,200.0	90.00	359.00	7,817.0	5,651.2	177.5	5,651.2	0.00	0.00	
13,300.0	90.00	359.00	7,817.0	5,751.2	175.7	5,751.2	0.00	0.00	
13,400.0	90.00	359.00	7,817.0	5,851.2	174.0	5,851.2	0.00	0.00	
13,500.0	90.00	359.00	7,817.0	5,951.1	172.2	5,951.1	0.00	0.00	
13,600.0	90.00	359.00	7,817.0	6,051.1	170.5	6,051.1	0.00	0.00	
13,700.0	90.00	359.00	7,817.0	6,151.1	168.7	6,151.1	0.00	0.00	
13,800.0	90.00	359.00	7,817.0	6,251.1	167.0	6,251.1	0.00	0.00	
13,900.0	90.00	359.00	7,817.0	6,351.1	165.3	6,351.1	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	North Reference:	True
Well:	Woolley-Becky 2C-7H-E168	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
14,000.0	90.00	359.00	7,817.0	6,451.1	163.5	6,451.1	0.00	0.00	
14,100.0	90.00	359.00	7,817.0	6,551.0	161.8	6,551.0	0.00	0.00	
14,149.4	90.00	359.00	7,817.0	6,600.5	160.9	6,600.5	0.00	0.00	Start turn @ 14149' MD - Woolley-Becky 2C-7H
14,200.0	90.00	358.60	7,817.0	6,651.0	159.8	6,651.0	0.80	0.00	
14,300.0	90.00	357.80	7,817.0	6,751.0	156.7	6,751.0	0.80	0.00	
14,400.0	90.00	357.00	7,817.0	6,850.9	152.1	6,850.9	0.80	0.00	
14,500.0	90.00	356.20	7,817.0	6,950.7	146.2	6,950.7	0.80	0.00	
14,545.4	90.00	355.83	7,817.0	6,996.0	143.1	6,996.0	0.80	0.00	End of turn @ 14545' MD
14,600.0	90.00	355.83	7,817.0	7,050.4	139.1	7,050.4	0.00	0.00	
14,700.0	90.00	355.83	7,817.0	7,150.2	131.8	7,150.2	0.00	0.00	
14,704.3	90.00	355.83	7,817.0	7,154.4	131.5	7,154.4	0.00	0.00	TD at 14704.3 - Woolley-Becky 2C-7H-E168 PE

Targets									
Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
Woolley-Becky 2C-7H-E - plan hits target center - Point	0.00	0.00	7,817.0	6,600.5	160.9	1,274,052.05	3,125,231.18	40.084789	-105.052455
Woolley-Becky 2C-7H-E - plan hits target center - Point	0.00	0.00	7,817.0	7,154.4	131.5	1,274,605.85	3,125,199.00	40.086310	-105.052560

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
421.0	421.0	Fox Hills - BASE				
4,473.8	4,471.0	Sussex				
4,763.1	4,760.0	Sussex Marker				
5,047.3	5,044.0	Shannon				
6,504.4	6,500.0	Teepee Buttes (*if present)				
7,407.0	7,400.0	Sharon Springs				
7,466.2	7,456.0	Niobrara				
7,602.0	7,575.0	B Chalk				
7,630.7	7,598.0	B Marl				
7,766.8	7,694.0	C Chalk				
7,796.9	7,712.0	C Marl				
7,963.1	7,787.0	Ft. Hayes				
8,042.2	7,807.0	Codell				

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	North Reference:	True
Well:	Woolley-Becky 2C-7H-E168	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #3		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
600.0	600.0	0.0	0.0	KOP @ 600'
823.5	823.4	0.5	4.3	EOB; Inc=2.23°
7,251.5	7,246.5	28.1	253.5	Start build/turn @ 7251' MD
8,149.4	7,817.0	601.4	265.6	LP @ 7817' TVD; 90°
14,149.4	7,817.0	6,600.5	160.9	Start turn @ 14149' MD
14,545.4	7,817.0	6,996.0	143.1	End of turn @ 14545' MD
14,704.3	7,817.0	7,154.4	131.5	TD at 14704.3

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S7-T1N-R68W (Woolley-Sosa/Becky)

Woolley-Becky 2C-7H-E168

Hz

Plan #3

Anticollision Report

04 December, 2013

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	10/11/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	14,704.2	Plan #3 (Hz)	Geolink MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	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						
S7-T1N-R68W (Woolley-Sosa/Becky)						
BEARDEN 0-6-6 (EXISTING) - ENCANA WELL - SURVE						Out of range
BEARDEN 1 (EXISTING) - ENCANA WELL - SURVEYS						Out of range
BEARDEN 13-6 (EXISTING) - ENCANA WELL - SURVE	11,850.5	7,904.5	285.3	190.0	2.993	CC, ES, SF
BEARDEN 14-6 (EXISTING) - ENCANA WELL - SURVE	10,525.7	7,954.7	342.0	267.9	4.616	CC, ES, SF
BEARDEN 23-6 (EXISTING) - ENCANA WELL - GYRO						Out of range
BEARDEN 24-6 (EXISTING) - ENCANA WELL - PLAN O						Out of range
BEARDEN 2-4-6 (EXISTING) - ENCANA WELL - PLAN O	12,445.7	7,913.5	335.6	222.2	2.959	CC, ES, SF
BEARDEN 2-8-6 (EXISTING) - ENCANA WELL - SURVE	9,890.8	7,979.9	246.8	175.1	3.444	CC, ES
BEARDEN 2-8-6 (EXISTING) - ENCANA WELL - SURVE	9,900.0	7,980.0	247.0	175.2	3.439	SF
BECKY 1 (EXISTING) - FOUNDATION WELL - NO SUR						Out of range
BECKY 2-6 (EXISTING) - NOBLE WELL - NO SURVEYS	13,901.7	7,756.0	450.7	323.3	3.538	CC, ES, SF
BECKY 4 (EXISTING) - MARTIN EXP WELL - NO SURV	13,150.0	7,760.0	191.8	77.5	1.678	CC, ES, SF
BECKY 5-6 (EXISTING) - FOUNDATION WELL - NO SU	14,510.6	7,751.0	159.9	22.2	1.162	Level 2, CC, ES, SF
BECKY 7-6 (EXISTING) - NOBLE WELL - NO SURVEYS						Out of range
BILLINGS 21-7 (EXISTING) - KPK WELL - SURVEYS						Out of range
BULTHAUP 21-6 (EXISTING) - KERR-MCGEE WELL - S						Out of range
BULTHAUP 23-6 (EXISTING) - KERR-MCGEE WELL - S						Out of range
Sosa 11-18 - DD - DD						Out of range
Sosa 11-18 - DD - Plan #1						Out of range
Sosa 12-18 - DD - DD						Out of range
Sosa 12-18 - DD - Plan #3						Out of range
Sosa 21-18 - DD (Gyro) - DD						Out of range
Sosa 21-18 - DD (MWD) - DD						Out of range
Sosa 21-18 - DD (MWD) - Plan #2						Out of range
Sosa 22-18 - DD - DD						Out of range
Sosa 22-18 - DD - Plan #2						Out of range
SOSA A UNIT 1 (EXISTING) - EXISTING - EXISTING						Out of range
THOMAS 14-7(EXISTING) - EXISTING - NO SURVEY						Out of range
THOMAS 24-7 (EXISTING) - ENCANA WELL - SURVEY						Out of range
THOMAS 24-7 (Existing) - Existing - NO SURVEYS						Out of range
THOMAS 2-8-7 (EXISTING) - ENCANA WELL - SURVEY						Out of range
THOMAS 33-7 (EXISTING) - ENCANA WELL - SURVEY						Out of range
Thomas 7-12 (Existing) - Existing - NO SURVEYS						Out of range
Thomas 7-14 (Existing) - Existing - NO SURVEYS						Out of range
THOMAS E UNIT 1 (EXISTING) - Existing - NO SURVEY						Out of range
THOMAS K UNIT 1 (EXISTING) - EXISTING - NO SURV						Out of range
WOOLLEY 11-7 (EXISTING) - ENCANA WELL - SURVE	9,283.2	8,018.7	423.1	374.5	8.702	CC, ES
WOOLLEY 11-7 (EXISTING) - ENCANA WELL - SURVE	9,300.0	8,020.1	423.5	374.6	8.661	SF
WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SU	600.0	674.0	281.1	278.9	128.934	CC, ES
WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SU	7,750.0	7,757.4	467.1	439.5	16.874	SF
WOOLLEY 21-7 (EXISTING) - ENCANA WELL - GYRO						Out of range
WOOLLEY 22-7 (EXISTING) - ENCANA WELL - SURVE						Out of range
WOOLLEY 2-4-7 (EXISTING) - ENCANA WELL - SURVE						Out of range
WOOLLEY 4-0-7 (EXISTING) - ENCANA WELL - SURVE						Out of range
WOOLLEY F UNIT 1 (EXISTING) - ENCANA WELL - GY	8,431.6	7,835.9	349.3	314.1	9.917	CC, ES
WOOLLEY F UNIT 1 (EXISTING) - ENCANA WELL - GY	8,500.0	7,835.4	355.9	319.7	9.837	SF
Woolley-Becky 2A-7H-E168 - Hz - Plan #1	200.0	199.0	8.4	7.8	13.784	CC, ES
Woolley-Becky 2A-7H-E168 - Hz - Plan #1	400.0	398.7	11.5	10.2	8.779	SF
Woolley-Becky 2B-7H-E168 - Hz - Plan #1	509.1	508.2	6.8	5.1	4.043	CC, ES
Woolley-Becky 2B-7H-E168 - Hz - Plan #1	14,704.3	14,508.5	430.9	214.3	1.989	SF
Woolley-Becky 2D-7H-E168 - Hz - Plan #3	500.0	500.0	9.2	7.5	5.541	CC, ES
Woolley-Becky 2D-7H-E168 - Hz - Plan #3	14,704.3	14,506.9	398.6	190.4	1.914	SF
Woolley-Becky 2E-7H-E168 - Hz - Plan #2	400.0	400.0	22.4	21.1	17.105	CC, ES

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Summary						
Site Name Offset Well - Wellbore - Design	Reference	Offset	Distance		Separation Factor	Warning
	Measured	Measured	Between	Between		
	Depth	Depth	Centres	Ellipses		
	(ft)	(ft)	(ft)	(ft)		
S7-T1N-R68W (Woolley-Sosa/Becky)						
Woolley-Becky 2E-7H-E168 - Hz - Plan #2	900.0	897.3	36.8	33.8	12.073	SF
Woolley-Becky 2F-7H-E168 - Hz - Plan #2	266.3	267.3	26.2	25.4	31.063	CC
Woolley-Becky 2F-7H-E168 - Hz - Plan #2	300.0	301.0	26.2	25.3	27.267	ES
Woolley-Becky 2F-7H-E168 - Hz - Plan #2	823.5	821.0	45.7	42.9	16.429	SF
Woolley-Becky 2G-7H-E168 - Hz - Plan #1	232.0	233.0	30.8	30.1	42.509	CC
Woolley-Becky 2G-7H-E168 - Hz - Plan #1	300.0	300.7	31.0	30.0	32.258	ES
Woolley-Becky 2G-7H-E168 - Hz - Plan #1	900.0	895.5	60.1	57.0	19.711	SF
Woolley-Becky 2H-7H-E168 - Hz - Plan #2	166.3	167.3	37.1	36.6	74.951	CC
Woolley-Becky 2H-7H-E168 - Hz - Plan #2	200.0	201.0	37.1	36.5	60.572	ES
Woolley-Becky 2H-7H-E168 - Hz - Plan #2	900.0	893.9	71.9	68.8	23.599	SF
Woolley-Sosa 2A-7H-E168 - Hz - Plan #1	200.0	198.0	75.2	74.6	123.765	CC, ES
Woolley-Sosa 2A-7H-E168 - Hz - Plan #1	1,000.0	987.6	127.3	123.9	36.775	SF
Woolley-Sosa 2B-7H-E168 - HZ - Plan #1	300.0	298.0	70.3	69.4	73.550	CC
Woolley-Sosa 2B-7H-E168 - HZ - Plan #1	400.0	397.6	70.6	69.3	54.135	ES
Woolley-Sosa 2B-7H-E168 - HZ - Plan #1	2,300.0	2,286.3	229.6	221.3	27.721	SF
Woolley-Sosa 2C-7H-E168 - HZ - Plan #1	652.2	650.8	64.1	61.9	29.178	CC, ES
Woolley-Sosa 2C-7H-E168 - HZ - Plan #1	7,777.0	7,854.1	153.8	125.2	5.374	SF
Woolley-Sosa 2D-7H-E168 - HZ - Plan #1	710.3	709.5	59.4	57.0	24.809	CC, ES
Woolley-Sosa 2D-7H-E168 - HZ - Plan #1	7,786.8	7,861.3	170.8	142.2	5.959	SF
Woolley-Sosa 2E-7H-E168 - HZ - Plan #2	600.0	598.0	45.2	43.2	22.547	CC, ES
Woolley-Sosa 2E-7H-E168 - HZ - Plan #2	2,000.0	2,000.8	54.2	46.8	7.360	SF
Woolley-Sosa 2F-7H-E168 - HZ - Plan #1	947.4	947.2	27.3	23.9	8.073	CC, ES
Woolley-Sosa 2F-7H-E168 - HZ - Plan #1	1,100.0	1,099.1	30.3	26.3	7.489	SF
Woolley-Sosa 2G-7H-E168 - HZ - Plan #1	839.5	839.0	14.2	11.1	4.693	CC, ES
Woolley-Sosa 2G-7H-E168 - HZ - Plan #1	900.0	899.3	14.9	11.6	4.554	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - BEARDEN 13-6 (EXISTING) - ENCANA WELL - SURVEYS												Offset Site Error:	0.0 ft
Survey Program: 765-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
11,500.0	7,817.0	7,904.3	7,786.2	72.3	24.5	-89.63	4,296.9	-84.2	451.9	362.6	89.28	5.062	
11,600.0	7,817.0	7,904.4	7,786.2	74.1	24.5	-89.64	4,296.9	-84.2	379.6	288.6	91.00	4.172	
11,700.0	7,817.0	7,904.4	7,786.3	75.8	24.5	-89.65	4,296.9	-84.2	322.5	229.8	92.73	3.478	
11,800.0	7,817.0	7,904.5	7,786.3	77.5	24.5	-89.66	4,296.9	-84.2	289.7	195.3	94.46	3.067	
11,850.5	7,817.0	7,904.5	7,786.4	78.4	24.5	-89.67	4,296.9	-84.2	285.3	190.0	95.33	2.993	CC, ES, SF
11,900.0	7,817.0	7,904.5	7,786.4	79.2	24.5	-89.67	4,296.9	-84.2	289.6	193.4	96.19	3.010	
12,000.0	7,817.0	7,904.6	7,786.4	81.0	24.5	-89.68	4,296.9	-84.2	322.1	224.2	97.92	3.289	
12,100.0	7,817.0	7,904.6	7,786.5	82.7	24.5	-89.69	4,296.9	-84.2	379.0	279.4	99.65	3.803	
12,200.0	7,817.0	7,904.7	7,786.5	84.4	24.5	-89.71	4,296.9	-84.2	451.2	349.8	101.38	4.450	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - BEARDEN 14-6 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 797-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
10,200.0	7,817.0	7,950.5	7,784.9	50.1	25.9	-89.48	2,971.2	-117.8	472.2	403.7	68.54	6.889	
10,300.0	7,817.0	7,951.8	7,786.2	51.8	25.9	-89.70	2,971.3	-117.8	409.7	339.5	70.24	5.833	
10,400.0	7,817.0	7,953.1	7,787.5	53.5	25.9	-89.92	2,971.3	-117.8	364.3	292.4	71.94	5.065	
10,500.0	7,817.0	7,954.4	7,788.8	55.2	25.9	-90.14	2,971.3	-117.8	342.9	269.3	73.64	4.657	
10,525.7	7,817.0	7,954.7	7,789.1	55.7	25.9	-90.19	2,971.3	-117.8	342.0	267.9	74.07	4.616 CC, ES, SF	
10,600.0	7,817.0	7,955.7	7,790.1	56.9	25.9	-90.35	2,971.3	-117.8	349.9	274.6	75.34	4.645	
10,700.0	7,817.0	7,957.0	7,791.4	58.6	25.9	-90.57	2,971.3	-117.8	383.8	306.8	77.05	4.982	
10,800.0	7,817.0	7,958.3	7,792.7	60.3	25.9	-90.78	2,971.3	-117.7	438.4	359.6	78.75	5.567	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - BEARDEN 2-4-6 (EXISTING) - ENCANA WELL - PLAN ONLY													Offset Site Error:	0.0 ft
Survey Program: 775-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
12,100.0	7,817.0	7,913.5	7,787.0	82.7	25.6	90.00	4,902.9	526.2	481.8	374.4	107.40	4.486		
12,200.0	7,817.0	7,913.5	7,787.0	84.4	25.6	90.00	4,902.9	526.2	415.9	306.8	109.14	3.811		
12,300.0	7,817.0	7,913.5	7,787.0	86.1	25.6	90.00	4,902.9	526.2	365.8	255.0	110.87	3.300		
12,400.0	7,817.0	7,913.5	7,787.0	87.9	25.6	90.00	4,902.9	526.2	338.7	226.1	112.60	3.008		
12,445.7	7,817.0	7,913.5	7,787.0	88.7	25.6	90.00	4,902.9	526.2	335.6	222.2	113.40	2.959	CC, ES, SF	
12,500.0	7,817.0	7,913.5	7,787.0	89.6	25.6	90.00	4,902.9	526.2	339.9	225.6	114.34	2.973		
12,600.0	7,817.0	7,913.5	7,787.0	91.3	25.6	90.00	4,902.9	526.2	369.3	253.3	116.08	3.182		
12,700.0	7,817.0	7,913.5	7,787.0	93.1	25.6	90.00	4,902.9	526.2	421.0	303.2	117.81	3.574		
12,800.0	7,817.0	7,913.5	7,787.0	94.8	25.6	90.00	4,902.9	526.2	488.0	368.4	119.55	4.082		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - BEARDEN 2-8-6 (EXISTING) - ENCANA WELL - SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 76-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
9,500.0	7,817.0	7,975.1	7,782.7	38.5	27.9	89.00	2,346.7	482.0	462.2	397.0	65.13	7.096		
9,600.0	7,817.0	7,976.3	7,783.9	40.1	27.9	89.28	2,346.7	482.0	381.4	314.6	66.79	5.710		
9,700.0	7,817.0	7,977.5	7,785.1	41.8	27.9	89.57	2,346.8	482.0	311.9	243.5	68.46	4.556		
9,800.0	7,817.0	7,978.7	7,786.3	43.4	27.9	89.85	2,346.8	482.0	263.0	192.8	70.13	3.749		
9,890.8	7,817.0	7,979.9	7,787.5	45.0	27.9	90.11	2,346.8	482.0	246.8	175.1	71.65	3.444 CC, ES		
9,900.0	7,817.0	7,980.0	7,787.6	45.1	27.9	90.13	2,346.8	482.0	247.0	175.2	71.81	3.439 SF		
10,000.0	7,817.0	7,981.2	7,788.8	46.8	27.9	90.42	2,346.8	482.0	269.9	196.4	73.49	3.672		
10,100.0	7,817.0	7,982.4	7,790.0	48.5	27.9	90.70	2,346.8	482.0	323.5	248.4	75.18	4.304		
10,200.0	7,817.0	7,983.7	7,791.3	50.1	27.9	90.99	2,346.8	482.0	395.6	318.7	76.86	5.147		
10,300.0	7,817.0	7,984.9	7,792.5	51.8	27.9	91.28	2,346.8	482.0	477.8	399.3	78.55	6.083		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design												S7-T1N-R68W (Woolley-Sosa/Becky) - BECKY 2-6 (EXISTING) - NOBLE WELL - NO SURVEYS		Offset Site Error:		0.0 ft	
Survey Program:												8164-Geolink MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor						
Depth (ft)	Depth (ft)	Depth (ft)	Depth (ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis						
13,700.0	7,817.0	7,756.0	7,756.0	110.5	13.5	90.00	6,360.7	615.9	493.8	369.9	123.88	3.986					
13,800.0	7,817.0	7,756.0	7,756.0	112.2	13.5	90.00	6,360.7	615.9	462.0	336.4	125.63	3.678					
13,900.0	7,817.0	7,756.0	7,756.0	113.9	13.5	90.00	6,360.7	615.9	450.7	323.3	127.37	3.539					
13,901.7	7,817.0	7,756.0	7,756.0	114.0	13.5	90.00	6,360.7	615.9	450.7	323.3	127.40	3.538	CC, ES, SF				
14,000.0	7,817.0	7,756.0	7,756.0	115.7	13.5	90.00	6,360.7	615.9	461.3	332.2	129.11	3.573					
14,100.0	7,817.0	7,756.0	7,756.0	117.4	13.5	90.00	6,360.7	615.9	492.4	361.5	130.85	3.763					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - BECKY 4 (EXISTING) - MARTIN EXP WELL - NO SURVEYS													Offset Site Error: 0.0 ft	
Survey Program: 8200-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
12,700.0	7,817.0	7,760.0	7,760.0	93.1	13.5	-90.00	5,597.8	-13.4	489.2	382.7	106.49	4.593		
12,800.0	7,817.0	7,760.0	7,760.0	94.8	13.5	-90.00	5,597.8	-13.4	399.1	290.9	108.23	3.688		
12,900.0	7,817.0	7,760.0	7,760.0	96.5	13.5	-90.00	5,597.8	-13.4	315.1	205.1	109.97	2.865		
13,000.0	7,817.0	7,760.0	7,760.0	98.3	13.5	-90.00	5,597.8	-13.4	243.5	131.8	111.71	2.180		
13,100.0	7,817.0	7,760.0	7,760.0	100.0	13.5	-90.00	5,597.8	-13.4	198.2	84.8	113.45	1.747		
13,150.0	7,817.0	7,760.0	7,760.0	100.9	13.5	-90.00	5,597.8	-13.4	191.8	77.5	114.32	1.678	CC, ES, SF	
13,200.0	7,817.0	7,760.0	7,760.0	101.8	13.5	-90.00	5,597.8	-13.4	198.2	83.0	115.19	1.721		
13,300.0	7,817.0	7,760.0	7,760.0	103.5	13.5	-90.00	5,597.8	-13.4	243.5	126.6	116.93	2.082		
13,400.0	7,817.0	7,760.0	7,760.0	105.2	13.5	-90.00	5,597.8	-13.4	315.1	196.4	118.67	2.655		
13,500.0	7,817.0	7,760.0	7,760.0	107.0	13.5	-90.00	5,597.8	-13.4	399.1	278.7	120.41	3.315		
13,600.0	7,817.0	7,760.0	7,760.0	108.7	13.5	-90.00	5,597.8	-13.4	489.2	367.0	122.15	4.005		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - BECKY 5-6 (EXISTING) - FOUNDATION WELL - NO SURVEYS													Offset Site Error: 0.0 ft
Survey Program: 7771-Geolink MWD													Offset Well Error: 0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
14,100.0	7,817.0	7,751.0	7,751.0	117.4	13.5	-90.00	6,950.4	-14.0	436.3	305.5	130.85	3.335	
14,149.4	7,817.0	7,751.0	7,751.0	118.3	13.5	-90.00	6,950.4	-14.0	391.2	259.5	131.71	2.970	
14,200.0	7,817.0	7,751.0	7,751.0	119.2	13.5	-90.00	6,950.4	-14.0	346.2	213.6	132.55	2.612	
14,300.0	7,817.0	7,751.0	7,751.0	120.9	13.5	-90.00	6,950.4	-14.0	262.5	128.3	134.21	1.956	
14,400.0	7,817.0	7,751.0	7,751.0	122.6	13.5	-90.00	6,950.4	-14.0	193.7	57.8	135.84	1.426 Level 3	
14,500.0	7,817.0	7,751.0	7,751.0	124.4	13.5	-90.00	6,950.4	-14.0	160.2	22.7	137.45	1.165 Level 2	
14,510.6	7,817.0	7,751.0	7,751.0	124.6	13.5	-90.00	6,950.4	-14.0	159.9	22.2	137.62	1.162 Level 2, CC, ES, SF	
14,545.4	7,817.0	7,751.0	7,751.0	125.2	13.5	-90.00	6,950.4	-14.0	163.5	25.3	138.18	1.183 Level 2	
14,600.0	7,817.0	7,751.0	7,751.0	126.1	13.5	-90.00	6,950.4	-14.0	182.9	43.7	139.13	1.314 Level 3	
14,704.3	7,817.0	7,751.0	7,751.0	127.9	13.5	-90.00	6,950.4	-14.0	250.6	109.6	140.95	1.778	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design		S7-T1N-R68W (Woolley-Sosa/Becky) - WOOLLEY 11-7 (EXISTING) - ENCANA WELL - SURVEYS											Offset Site Error:		0.0 ft	
Survey Program:		132-Geolink MWD											Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning		
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	+E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)						
9,100.0	7,817.0	8,004.3	7,843.7	32.0	26.4	-88.47	1,726.5	-177.3	460.9	415.2	45.67	10.091				
9,200.0	7,817.0	8,012.1	7,851.4	33.6	26.4	-89.51	1,727.1	-177.3	431.2	383.9	47.28	9.120				
9,283.2	7,817.0	8,018.7	7,858.0	35.0	26.4	-90.41	1,727.6	-177.2	423.1	374.5	48.62	8.702 CC, ES				
9,300.0	7,817.0	8,020.1	7,859.4	35.2	26.4	-90.59	1,727.7	-177.2	423.5	374.6	48.89	8.661 SF				
9,400.0	7,817.0	8,028.4	7,867.7	36.9	26.4	-91.72	1,728.4	-177.2	438.8	388.4	50.50	8.690				
9,500.0	7,817.0	8,037.0	7,876.3	38.5	26.4	-92.88	1,729.1	-177.1	475.1	423.0	52.10	9.120				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SURVEYS												Offset Site Error: 0.0 ft	
Survey Program: 8325-Geolink MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
0.0	0.0	74.0	74.0	0.0	0.1	-45.07	198.5	-199.0	281.1				
100.0	100.0	174.0	174.0	0.1	0.3	-45.07	198.5	-199.0	281.1	280.7	0.43	646.506	
200.0	200.0	274.0	274.0	0.3	0.5	-45.07	198.5	-199.0	281.1	280.3	0.78	358.603	
300.0	300.0	374.0	374.0	0.5	0.7	-45.07	198.5	-199.0	281.1	280.0	1.13	248.113	
400.0	400.0	474.0	474.0	0.7	0.8	-45.07	198.5	-199.0	281.1	279.6	1.48	189.673	
500.0	500.0	574.0	574.0	0.8	1.0	-45.07	198.5	-199.0	281.1	279.3	1.83	153.514	
600.0	600.0	674.0	674.0	1.0	1.2	-45.07	198.5	-199.0	281.1	278.9	2.18	128.934	CC, ES
700.0	700.0	774.0	774.0	1.2	1.4	-128.87	198.5	-199.0	281.6	279.1	2.53	111.350	
800.0	800.0	874.0	874.0	1.4	1.5	-129.27	198.5	-199.0	283.3	280.4	2.88	98.378	
823.5	823.4	897.4	897.4	1.4	1.6	-129.40	198.5	-199.0	283.8	280.9	2.96	95.827	
900.0	899.9	973.9	973.9	1.5	1.7	-129.86	198.5	-199.0	285.7	282.5	3.23	88.426	
1,000.0	999.8	1,073.8	1,073.8	1.7	1.9	-130.46	198.5	-199.0	288.3	284.7	3.58	80.424	
1,100.0	1,099.7	1,173.7	1,173.7	1.9	2.0	-131.04	198.5	-199.0	290.8	286.9	3.94	73.854	
1,200.0	1,199.7	1,273.7	1,273.7	2.1	2.2	-131.62	198.5	-199.0	293.4	289.1	4.29	68.368	
1,300.0	1,299.6	1,373.6	1,373.6	2.3	2.4	-132.18	198.5	-199.0	296.0	291.3	4.65	63.720	
1,400.0	1,399.5	1,473.5	1,473.5	2.5	2.6	-132.73	198.5	-199.0	298.6	293.6	5.00	59.736	
1,500.0	1,499.4	1,573.4	1,573.4	2.6	2.7	-133.28	198.5	-199.0	301.3	295.9	5.35	56.283	
1,600.0	1,599.4	1,673.4	1,673.4	2.8	2.9	-133.81	198.5	-199.0	304.0	298.3	5.71	53.263	
1,700.0	1,699.3	1,773.3	1,773.3	3.0	3.1	-134.34	198.5	-199.0	306.7	300.6	6.06	50.600	
1,800.0	1,799.2	1,873.2	1,873.2	3.2	3.3	-134.86	198.5	-199.0	309.4	303.0	6.41	48.236	
1,900.0	1,899.1	1,973.1	1,973.1	3.4	3.4	-135.36	198.5	-199.0	312.2	305.4	6.77	46.124	
2,000.0	1,999.0	2,073.0	2,073.0	3.6	3.6	-135.86	198.5	-199.0	315.0	307.8	7.12	44.225	
2,100.0	2,099.0	2,173.0	2,173.0	3.8	3.8	-136.35	198.5	-199.0	317.8	310.3	7.48	42.510	
2,200.0	2,198.9	2,272.9	2,272.9	3.9	4.0	-136.83	198.5	-199.0	320.6	312.8	7.83	40.953	
2,300.0	2,298.8	2,372.8	2,372.8	4.1	4.1	-137.30	198.5	-199.0	323.5	315.3	8.18	39.534	
2,400.0	2,398.7	2,472.7	2,472.7	4.3	4.3	-137.77	198.5	-199.0	326.3	317.8	8.54	38.235	
2,500.0	2,498.7	2,572.7	2,572.7	4.5	4.5	-138.22	198.5	-199.0	329.2	320.4	8.89	37.043	
2,600.0	2,598.6	2,672.6	2,672.6	4.7	4.7	-138.67	198.5	-199.0	332.2	322.9	9.24	35.944	
2,700.0	2,698.5	2,772.5	2,772.5	4.9	4.8	-139.11	198.5	-199.0	335.1	325.5	9.59	34.929	
2,800.0	2,798.4	2,872.4	2,872.4	5.1	5.0	-139.54	198.5	-199.0	338.1	328.1	9.95	33.988	
2,900.0	2,898.4	2,972.4	2,972.4	5.2	5.2	-139.97	198.5	-199.0	341.0	330.7	10.30	33.114	
3,000.0	2,998.3	3,072.3	3,072.3	5.4	5.4	-140.39	198.5	-199.0	344.0	333.4	10.65	32.300	
3,100.0	3,098.2	3,172.2	3,172.2	5.6	5.5	-140.80	198.5	-199.0	347.1	336.0	11.00	31.540	
3,200.0	3,198.1	3,272.1	3,272.1	5.8	5.7	-141.20	198.5	-199.0	350.1	338.7	11.36	30.829	
3,300.0	3,298.1	3,372.1	3,372.1	6.0	5.9	-141.60	198.5	-199.0	353.1	341.4	11.71	30.163	
3,400.0	3,398.0	3,472.0	3,472.0	6.2	6.1	-141.99	198.5	-199.0	356.2	344.1	12.06	29.537	
3,500.0	3,497.9	3,571.9	3,571.9	6.4	6.2	-142.37	198.5	-199.0	359.3	346.9	12.41	28.948	
3,600.0	3,597.8	3,671.8	3,671.8	6.6	6.4	-142.75	198.5	-199.0	362.4	349.6	12.76	28.393	
3,700.0	3,697.8	3,771.8	3,771.8	6.7	6.6	-143.12	198.5	-199.0	365.5	352.4	13.11	27.869	
3,800.0	3,797.7	3,871.7	3,871.7	6.9	6.8	-143.48	198.5	-199.0	368.6	355.1	13.47	27.374	
3,900.0	3,897.6	3,971.6	3,971.6	7.1	6.9	-143.84	198.5	-199.0	371.8	357.9	13.82	26.906	
4,000.0	3,997.5	4,071.5	4,071.5	7.3	7.1	-144.19	198.5	-199.0	374.9	360.7	14.17	26.461	
4,100.0	4,097.5	4,171.5	4,171.5	7.5	7.3	-144.53	198.5	-199.0	378.1	363.6	14.52	26.040	
4,200.0	4,197.4	4,271.4	4,271.4	7.7	7.5	-144.87	198.5	-199.0	381.3	366.4	14.87	25.639	
4,300.0	4,297.3	4,371.3	4,371.3	7.9	7.6	-145.21	198.5	-199.0	384.5	369.2	15.22	25.258	
4,400.0	4,397.2	4,471.2	4,471.2	8.0	7.8	-145.54	198.5	-199.0	387.7	372.1	15.57	24.895	
4,500.0	4,497.1	4,571.1	4,571.1	8.2	8.0	-145.86	198.5	-199.0	390.9	375.0	15.92	24.549	
4,600.0	4,597.1	4,671.1	4,671.1	8.4	8.2	-146.18	198.5	-199.0	394.1	377.9	16.27	24.219	
4,700.0	4,697.0	4,771.0	4,771.0	8.6	8.3	-146.49	198.5	-199.0	397.4	380.7	16.62	23.903	
4,800.0	4,796.9	4,870.9	4,870.9	8.8	8.5	-146.80	198.5	-199.0	400.6	383.7	16.97	23.602	
4,900.0	4,896.8	4,970.8	4,970.8	9.0	8.7	-147.10	198.5	-199.0	403.9	386.6	17.32	23.313	
5,000.0	4,996.8	5,070.8	5,070.8	9.2	8.9	-147.40	198.5	-199.0	407.2	389.5	17.68	23.037	

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - WOOLLEY 12-7 (EXISTING) - ENCANA WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8325-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,096.7	5,170.7	5,170.7	9.4	9.0	-147.69	198.5	-199.0	410.5	392.4	18.03	22.772		
5,200.0	5,196.6	5,270.6	5,270.6	9.5	9.2	-147.98	198.5	-199.0	413.8	395.4	18.38	22.517		
5,300.0	5,296.5	5,370.5	5,370.5	9.7	9.4	-148.27	198.5	-199.0	417.1	398.4	18.73	22.273		
5,400.0	5,396.5	5,470.5	5,470.5	9.9	9.5	-148.54	198.5	-199.0	420.4	401.3	19.08	22.038		
5,500.0	5,496.4	5,570.4	5,570.4	10.1	9.7	-148.82	198.5	-199.0	423.7	404.3	19.43	21.813		
5,600.0	5,596.3	5,670.3	5,670.3	10.3	9.9	-149.09	198.5	-199.0	427.1	407.3	19.78	21.596		
5,700.0	5,696.2	5,770.2	5,770.2	10.5	10.1	-149.36	198.5	-199.0	430.4	410.3	20.13	21.387		
5,800.0	5,796.2	5,870.2	5,870.2	10.7	10.2	-149.62	198.5	-199.0	433.8	413.3	20.48	21.185		
5,900.0	5,896.1	5,970.1	5,970.1	10.9	10.4	-149.88	198.5	-199.0	437.2	416.3	20.83	20.991		
6,000.0	5,996.0	6,070.0	6,070.0	11.0	10.6	-150.13	198.5	-199.0	440.5	419.4	21.18	20.804		
6,100.0	6,095.9	6,169.9	6,169.9	11.2	10.8	-150.38	198.5	-199.0	443.9	422.4	21.53	20.624		
6,200.0	6,195.9	6,269.9	6,269.9	11.4	10.9	-150.63	198.5	-199.0	447.3	425.4	21.87	20.449		
6,300.0	6,295.8	6,369.8	6,369.8	11.6	11.1	-150.87	198.5	-199.0	450.7	428.5	22.22	20.280		
6,400.0	6,395.7	6,469.7	6,469.7	11.8	11.3	-151.11	198.5	-199.0	454.1	431.6	22.57	20.118		
6,500.0	6,495.6	6,569.6	6,569.6	12.0	11.5	-151.35	198.5	-199.0	457.6	434.6	22.92	19.960		
6,600.0	6,595.6	6,669.6	6,669.6	12.2	11.6	-151.58	198.5	-199.0	461.0	437.7	23.27	19.807		
6,700.0	6,695.5	6,769.5	6,769.5	12.4	11.8	-151.81	198.5	-199.0	464.4	440.8	23.62	19.660		
6,800.0	6,795.4	6,869.4	6,869.4	12.5	12.0	-152.04	198.5	-199.0	467.9	443.9	23.97	19.517		
6,900.0	6,895.3	6,969.3	6,969.3	12.7	12.2	-152.26	198.5	-199.0	471.3	447.0	24.32	19.378		
7,000.0	6,995.2	7,069.2	7,069.2	12.9	12.3	-152.48	198.5	-199.0	474.8	450.1	24.67	19.244		
7,100.0	7,095.2	7,169.2	7,169.2	13.1	12.5	-152.69	198.5	-199.0	478.2	453.2	25.02	19.114		
7,200.0	7,195.1	7,269.1	7,269.1	13.3	12.7	-152.91	198.5	-199.0	481.7	456.3	25.37	18.987		
7,251.5	7,246.5	7,320.5	7,320.5	13.4	12.8	-153.01	198.5	-199.0	483.5	457.9	25.55	18.923		
7,300.0	7,295.0	7,369.0	7,369.0	13.5	12.9	-92.36	198.5	-199.0	484.4	458.7	25.73	18.828		
7,350.0	7,344.5	7,418.5	7,418.5	13.6	12.9	-81.97	198.5	-199.0	483.9	458.0	25.90	18.681		
7,400.0	7,393.2	7,467.2	7,467.2	13.7	13.0	-79.37	198.5	-199.0	481.9	455.9	26.07	18.489		
7,450.0	7,440.8	7,514.8	7,514.8	13.8	13.1	-79.31	198.5	-199.0	479.0	452.7	26.24	18.254		
7,500.0	7,487.0	7,561.0	7,561.0	13.9	13.2	-80.55	198.5	-199.0	475.3	448.9	26.43	17.986		
7,550.0	7,531.2	7,605.2	7,605.2	14.1	13.3	-82.58	198.5	-199.0	471.5	444.8	26.64	17.699		
7,600.0	7,573.3	7,647.3	7,647.3	14.2	13.3	-85.11	198.5	-199.0	468.0	441.2	26.88	17.415		
7,650.0	7,612.9	7,686.9	7,686.9	14.4	13.4	-87.89	198.5	-199.0	465.7	438.6	27.13	17.164		
7,687.5	7,640.8	7,714.8	7,714.8	14.6	13.5	-90.00	198.5	-199.0	465.1	437.8	27.34	17.013		
7,700.0	7,649.7	7,723.7	7,723.7	14.7	13.5	-90.69	198.5	-199.0	465.2	437.8	27.40	16.975		
7,750.0	7,683.4	7,757.4	7,757.4	14.9	13.5	-93.31	198.5	-199.0	467.1	439.5	27.68	16.874 SF		
7,800.0	7,713.8	7,787.8	7,787.8	15.2	13.6	-95.56	198.5	-199.0	472.3	444.3	27.98	16.878		
7,850.0	7,740.6	7,814.6	7,814.6	15.6	13.6	-97.27	198.5	-199.0	481.0	452.7	28.31	16.991		
7,900.0	7,763.6	7,837.6	7,837.6	16.0	13.7	-98.30	198.5	-199.0	493.8	465.1	28.69	17.209		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design													S7-T1N-R68W (Woolley-Sosa/Becky) - WOOLLEY F UNIT 1 (EXISTING) - ENCANA WELL - GYRO		Offset Site Error:		0.0 ft
Survey Program:													100-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
8,100.0	7,814.9	7,836.6	7,834.5	17.9	13.8	84.58	889.6	609.9	481.6	450.7	30.85	15.609					
8,149.4	7,817.0	7,838.3	7,836.2	18.5	13.8	89.21	889.6	609.9	449.0	417.5	31.53	14.238					
8,200.0	7,817.0	7,837.9	7,835.7	19.1	13.8	89.14	889.6	609.9	419.1	386.9	32.15	13.034					
8,300.0	7,817.0	7,837.1	7,834.9	20.3	13.8	89.00	889.6	609.9	373.2	339.8	33.43	11.164					
8,400.0	7,817.0	7,836.2	7,834.1	21.6	13.8	88.86	889.6	609.8	350.7	315.9	34.78	10.084					
8,431.6	7,817.0	7,835.9	7,833.8	22.1	13.8	88.82	889.6	609.8	349.3	314.1	35.22	9.917 CC, ES					
8,500.0	7,817.0	7,835.4	7,833.2	23.0	13.8	88.72	889.6	609.8	355.9	319.7	36.18	9.837 SF					
8,600.0	7,817.0	7,834.5	7,832.3	24.4	13.8	88.58	889.6	609.8	387.8	350.1	37.63	10.305					
8,700.0	7,817.0	7,833.6	7,831.5	25.9	13.8	88.44	889.6	609.8	440.5	401.4	39.12	11.261					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2A-7H-E168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-90.00	0.0	-8.4	8.5					
100.0	100.0	99.0	99.0	0.1	0.1	-90.00	0.0	-8.4	8.4	8.1	0.26	32.233		
200.0	200.0	199.0	199.0	0.3	0.3	-90.00	0.0	-8.4	8.4	7.8	0.61	13.784	CC, ES	
300.0	300.0	298.9	298.9	0.5	0.5	-92.67	-0.4	-9.1	9.1	8.2	0.96	9.541		
400.0	400.0	398.7	398.6	0.7	0.7	-98.61	-1.7	-11.4	11.5	10.2	1.31	8.779	SF	
500.0	500.0	498.4	498.2	0.8	0.8	-104.40	-3.9	-15.1	15.6	14.0	1.67	9.349		
600.0	600.0	597.9	597.5	1.0	1.0	-108.74	-6.9	-20.4	21.5	19.5	2.04	10.539		
700.0	700.0	697.7	697.1	1.2	1.2	166.87	-9.6	-26.5	29.1	26.7	2.35	12.351		
800.0	800.0	797.4	796.6	1.4	1.4	169.59	-10.5	-32.8	37.9	35.2	2.70	14.044		
823.5	823.4	820.7	819.9	1.4	1.5	170.34	-10.6	-34.3	40.2	37.4	2.78	14.463		
900.0	899.9	896.8	895.9	1.5	1.6	172.31	-10.8	-39.1	47.9	44.9	3.05	15.732		
1,000.0	999.8	996.3	995.2	1.7	1.8	174.09	-11.0	-45.5	58.1	54.7	3.39	17.109		
1,100.0	1,099.7	1,095.8	1,094.4	1.9	2.0	175.35	-11.3	-51.8	68.3	64.5	3.74	18.240		
1,200.0	1,199.7	1,195.2	1,193.7	2.1	2.3	176.27	-11.6	-58.2	78.5	74.4	4.09	19.184		
1,300.0	1,299.6	1,294.7	1,293.0	2.3	2.5	176.99	-11.8	-64.5	88.7	84.2	4.44	19.985		
1,400.0	1,399.5	1,394.2	1,392.2	2.5	2.7	177.55	-12.1	-70.9	98.9	94.1	4.78	20.671		
1,500.0	1,499.4	1,493.7	1,491.5	2.6	2.9	178.01	-12.4	-77.2	109.1	104.0	5.13	21.266		
1,600.0	1,599.4	1,593.1	1,590.8	2.8	3.1	178.40	-12.6	-83.6	119.4	113.9	5.48	21.786		
1,700.0	1,699.3	1,692.6	1,690.0	3.0	3.3	178.72	-12.9	-89.9	129.6	123.8	5.83	22.245		
1,800.0	1,799.2	1,792.1	1,789.3	3.2	3.5	178.99	-13.1	-96.3	139.9	133.7	6.18	22.653		
1,900.0	1,899.1	1,891.5	1,888.6	3.4	3.7	179.23	-13.4	-102.6	150.1	143.6	6.52	23.018		
2,000.0	1,999.0	1,991.0	1,987.8	3.6	3.9	179.43	-13.7	-109.0	160.4	153.5	6.87	23.346		
2,100.0	2,099.0	2,090.5	2,087.1	3.8	4.1	179.62	-13.9	-115.3	170.7	163.4	7.22	23.643		
2,200.0	2,198.9	2,190.0	2,186.4	3.9	4.3	179.78	-14.2	-121.7	180.9	173.4	7.57	23.913		
2,300.0	2,298.8	2,289.4	2,285.6	4.1	4.5	179.92	-14.5	-128.0	191.2	183.3	7.91	24.159		
2,400.0	2,398.7	2,388.9	2,384.9	4.3	4.7	-179.95	-14.7	-134.4	201.4	193.2	8.26	24.385		
2,500.0	2,498.7	2,488.4	2,484.2	4.5	4.9	-179.84	-15.0	-140.7	211.7	203.1	8.61	24.592		
2,600.0	2,598.6	2,587.8	2,583.4	4.7	5.1	-179.73	-15.3	-147.1	222.0	213.0	8.96	24.783		
2,700.0	2,698.5	2,687.3	2,682.7	4.9	5.3	-179.63	-15.5	-153.4	232.2	222.9	9.30	24.961		
2,800.0	2,798.4	2,786.8	2,782.0	5.1	5.5	-179.54	-15.8	-159.8	242.5	232.8	9.65	25.125		
2,900.0	2,898.4	2,886.3	2,881.2	5.2	5.7	-179.46	-16.1	-166.2	252.8	242.8	10.00	25.278		
3,000.0	2,998.3	2,985.7	2,980.5	5.4	5.9	-179.39	-16.3	-172.5	263.0	252.7	10.35	25.421		
3,100.0	3,098.2	3,085.2	3,079.8	5.6	6.2	-179.32	-16.6	-178.9	273.3	262.6	10.69	25.555		
3,200.0	3,198.1	3,184.7	3,179.0	5.8	6.4	-179.26	-16.9	-185.2	283.6	272.5	11.04	25.680		
3,300.0	3,298.1	3,284.1	3,278.3	6.0	6.6	-179.20	-17.1	-191.6	293.8	282.4	11.39	25.797		
3,400.0	3,398.0	3,383.6	3,377.6	6.2	6.8	-179.14	-17.4	-197.9	304.1	292.4	11.74	25.908		
3,500.0	3,497.9	3,483.1	3,476.8	6.4	7.0	-179.09	-17.7	-204.3	314.4	302.3	12.09	26.012		
3,600.0	3,597.8	3,582.6	3,576.1	6.6	7.2	-179.04	-17.9	-210.6	324.6	312.2	12.43	26.111		
3,700.0	3,697.8	3,682.0	3,675.4	6.7	7.4	-178.99	-18.2	-217.0	334.9	322.1	12.78	26.204		
3,800.0	3,797.7	3,781.5	3,774.6	6.9	7.6	-178.95	-18.5	-223.3	345.2	332.0	13.13	26.292		
3,900.0	3,897.6	3,881.0	3,873.9	7.1	7.8	-178.91	-18.7	-229.7	355.4	342.0	13.48	26.376		
4,000.0	3,997.5	3,980.4	3,973.2	7.3	8.0	-178.87	-19.0	-236.0	365.7	351.9	13.82	26.455		
4,100.0	4,097.5	4,079.9	4,072.5	7.5	8.2	-178.84	-19.2	-242.4	376.0	361.8	14.17	26.531		
4,200.0	4,197.4	4,179.4	4,171.7	7.7	8.4	-178.80	-19.5	-248.7	386.2	371.7	14.52	26.603		
4,300.0	4,297.3	4,278.9	4,271.0	7.9	8.6	-178.77	-19.8	-255.1	396.5	381.7	14.87	26.672		
4,400.0	4,397.2	4,378.3	4,370.3	8.0	8.8	-178.74	-20.0	-261.4	406.8	391.6	15.21	26.737		
4,500.0	4,497.1	4,477.8	4,469.5	8.2	9.0	-178.71	-20.3	-267.8	417.1	401.5	15.56	26.800		
4,600.0	4,597.1	4,577.3	4,568.8	8.4	9.2	-178.68	-20.6	-274.1	427.3	411.4	15.91	26.859		
4,700.0	4,697.0	4,676.7	4,668.1	8.6	9.4	-178.66	-20.8	-280.5	437.6	421.3	16.26	26.917		
4,800.0	4,796.9	4,776.2	4,767.3	8.8	9.7	-178.63	-21.1	-286.8	447.9	431.3	16.61	26.972		
4,900.0	4,896.8	4,875.7	4,866.6	9.0	9.9	-178.61	-21.4	-293.2	458.1	441.2	16.95	27.024		
5,000.0	4,996.8	4,975.1	4,965.9	9.2	10.1	-178.58	-21.6	-299.5	468.4	451.1	17.30	27.075		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2A-7H-E168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)				
5,100.0	5,096.7	5,074.6	5,065.1	9.4	10.3	-178.56	-21.9	-305.9	478.7	461.0	17.65	27.123		
5,200.0	5,196.6	5,174.1	5,164.4	9.5	10.5	-178.54	-22.2	-312.2	488.9	471.0	18.00	27.170		
5,300.0	5,296.5	5,273.6	5,263.7	9.7	10.7	-178.52	-22.4	-318.6	499.2	480.9	18.34	27.215		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2B-7H-E168 - Hz - Plan #1														Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-21.01	7.3	-2.8	7.9						
100.0	100.0	99.0	99.0	0.1	0.1	-21.01	7.3	-2.8	7.8	7.5	0.26	29.961			
200.0	200.0	199.0	199.0	0.3	0.3	-21.01	7.3	-2.8	7.8	7.2	0.61	12.813			
300.0	300.0	299.0	299.0	0.5	0.5	-21.01	7.3	-2.8	7.8	6.8	0.96	8.145			
400.0	400.0	399.1	399.1	0.7	0.7	-26.80	6.6	-3.3	7.4	6.1	1.31	5.681			
500.0	500.0	499.1	499.0	0.8	0.8	-47.28	4.6	-5.0	6.8	5.2	1.66	4.126			
509.1	509.1	508.2	508.1	0.8	0.8	-50.00	4.4	-5.2	6.8	5.1	1.69	4.043 CC, ES			
600.0	600.0	598.9	598.8	1.0	1.0	-80.45	1.3	-7.8	7.9	5.9	2.01	3.945			
700.0	700.0	698.9	698.7	1.2	1.2	176.28	-2.0	-10.7	11.8	9.4	2.36	4.989			
800.0	800.0	798.9	798.7	1.4	1.4	172.10	-3.7	-12.8	16.8	14.1	2.71	6.188			
823.5	823.4	822.4	822.1	1.4	1.4	172.15	-3.9	-13.1	18.0	15.2	2.79	6.455			
900.0	899.9	898.9	898.6	1.5	1.6	173.25	-4.1	-14.0	21.9	18.8	3.06	7.157			
1,000.0	999.8	998.8	998.5	1.7	1.7	174.42	-4.3	-15.1	26.9	23.5	3.41	7.887			
1,100.0	1,099.7	1,098.7	1,098.4	1.9	1.9	175.23	-4.5	-16.2	31.9	28.1	3.75	8.483			
1,200.0	1,199.7	1,198.5	1,198.3	2.1	2.1	175.81	-4.6	-17.3	36.8	32.7	4.10	8.979			
1,300.0	1,299.6	1,298.4	1,298.1	2.3	2.3	176.26	-4.8	-18.4	41.8	37.4	4.45	9.398			
1,400.0	1,399.5	1,398.3	1,398.0	2.5	2.4	176.61	-4.9	-19.5	46.8	42.0	4.80	9.757			
1,500.0	1,499.4	1,498.2	1,497.9	2.6	2.6	176.90	-5.1	-20.6	51.8	46.7	5.15	10.067			
1,600.0	1,599.4	1,598.0	1,597.7	2.8	2.8	177.13	-5.3	-21.7	56.8	51.3	5.50	10.338			
1,700.0	1,699.3	1,697.9	1,697.6	3.0	3.0	177.33	-5.4	-22.8	61.8	56.0	5.85	10.577			
1,800.0	1,799.2	1,797.8	1,797.5	3.2	3.1	177.49	-5.6	-23.9	66.8	60.6	6.19	10.789			
1,900.0	1,899.1	1,897.7	1,897.3	3.4	3.3	177.64	-5.7	-24.9	71.8	65.3	6.54	10.978			
2,000.0	1,999.0	1,997.5	1,997.2	3.6	3.5	177.76	-5.9	-26.0	76.8	69.9	6.89	11.149			
2,100.0	2,099.0	2,097.4	2,097.1	3.8	3.7	177.87	-6.1	-27.1	81.8	74.6	7.24	11.302			
2,200.0	2,198.9	2,197.3	2,196.9	3.9	3.8	177.97	-6.2	-28.2	86.8	79.2	7.59	11.442			
2,300.0	2,298.8	2,297.2	2,296.8	4.1	4.0	178.05	-6.4	-29.3	91.8	83.9	7.94	11.570			
2,400.0	2,398.7	2,397.0	2,396.7	4.3	4.2	178.13	-6.5	-30.4	96.8	88.5	8.29	11.687			
2,500.0	2,498.7	2,496.9	2,496.5	4.5	4.4	178.20	-6.7	-31.5	101.8	93.2	8.63	11.794			
2,600.0	2,598.6	2,596.8	2,596.4	4.7	4.5	178.26	-6.9	-32.6	106.8	97.9	8.98	11.893			
2,700.0	2,698.5	2,696.7	2,696.3	4.9	4.7	178.32	-7.0	-33.7	111.8	102.5	9.33	11.985			
2,800.0	2,798.4	2,796.5	2,796.1	5.1	4.9	178.37	-7.2	-34.8	116.8	107.2	9.68	12.070			
2,900.0	2,898.4	2,896.4	2,896.0	5.2	5.1	178.42	-7.4	-35.9	121.8	111.8	10.03	12.149			
3,000.0	2,998.3	2,996.3	2,995.9	5.4	5.2	178.47	-7.5	-37.0	126.8	116.5	10.38	12.223			
3,100.0	3,098.2	3,096.2	3,095.8	5.6	5.4	178.51	-7.7	-38.1	131.8	121.1	10.73	12.292			
3,200.0	3,198.1	3,196.0	3,195.6	5.8	5.6	178.55	-7.8	-39.1	136.8	125.8	11.07	12.357			
3,300.0	3,298.1	3,295.9	3,295.5	6.0	5.8	178.58	-8.0	-40.2	141.8	130.4	11.42	12.417			
3,400.0	3,398.0	3,395.8	3,395.4	6.2	5.9	178.61	-8.2	-41.3	146.9	135.1	11.77	12.474			
3,500.0	3,497.9	3,495.7	3,495.2	6.4	6.1	178.64	-8.3	-42.4	151.9	139.7	12.12	12.528			
3,600.0	3,597.8	3,595.5	3,595.1	6.6	6.3	178.67	-8.5	-43.5	156.9	144.4	12.47	12.579			
3,700.0	3,697.8	3,695.4	3,695.0	6.7	6.5	178.70	-8.6	-44.6	161.9	149.0	12.82	12.627			
3,800.0	3,797.7	3,795.3	3,794.8	6.9	6.6	178.73	-8.8	-45.7	166.9	153.7	13.17	12.673			
3,900.0	3,897.6	3,895.2	3,894.7	7.1	6.8	178.75	-9.0	-46.8	171.9	158.3	13.52	12.716			
4,000.0	3,997.5	3,995.0	3,994.6	7.3	7.0	178.77	-9.1	-47.9	176.9	163.0	13.86	12.757			
4,100.0	4,097.5	4,094.9	4,094.4	7.5	7.2	178.79	-9.3	-49.0	181.9	167.7	14.21	12.796			
4,200.0	4,197.4	4,194.8	4,194.3	7.7	7.3	178.81	-9.4	-50.1	186.9	172.3	14.56	12.833			
4,300.0	4,297.3	4,294.7	4,294.2	7.9	7.5	178.83	-9.6	-51.2	191.9	177.0	14.91	12.868			
4,400.0	4,397.2	4,394.5	4,394.0	8.0	7.7	178.85	-9.8	-52.2	196.9	181.6	15.26	12.902			
4,500.0	4,497.1	4,494.4	4,493.9	8.2	7.9	178.87	-9.9	-53.3	201.9	186.3	15.61	12.934			
4,600.0	4,597.1	4,594.3	4,593.8	8.4	8.0	178.89	-10.1	-54.4	206.9	190.9	15.96	12.965			
4,700.0	4,697.0	4,694.2	4,693.7	8.6	8.2	178.90	-10.2	-55.5	211.9	195.6	16.31	12.995			
4,800.0	4,796.9	4,794.0	4,793.5	8.8	8.4	178.92	-10.4	-56.6	216.9	200.2	16.65	13.023			
4,900.0	4,896.8	4,893.9	4,893.4	9.0	8.6	178.93	-10.6	-57.7	221.9	204.9	17.00	13.050			

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2B-7H-E168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance			Total Uncertainty Axis	Separation Factor	Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)				Between Ellipses (ft)	
5,000.0	4,996.8	4,993.8	4,993.3	9.2	8.7	178.94	-10.7	-58.8	226.9	209.5	17.35	13.076		
5,100.0	5,096.7	5,093.7	5,093.1	9.4	8.9	178.96	-10.9	-59.9	231.9	214.2	17.70	13.101		
5,200.0	5,196.6	5,193.5	5,193.0	9.5	9.1	178.97	-11.0	-61.0	236.9	218.8	18.05	13.125		
5,300.0	5,296.5	5,293.4	5,292.9	9.7	9.3	178.98	-11.2	-62.1	241.9	223.5	18.40	13.149		
5,400.0	5,396.5	5,393.3	5,392.7	9.9	9.4	178.99	-11.4	-63.2	246.9	228.2	18.75	13.171		
5,500.0	5,496.4	5,493.2	5,492.6	10.1	9.6	179.00	-11.5	-64.3	251.9	232.8	19.09	13.192		
5,600.0	5,596.3	5,593.0	5,592.5	10.3	9.8	179.02	-11.7	-65.4	256.9	237.5	19.44	13.213		
5,700.0	5,696.2	5,692.9	5,692.3	10.5	10.0	179.03	-11.8	-66.4	261.9	242.1	19.79	13.233		
5,800.0	5,796.2	5,792.8	5,792.2	10.7	10.1	179.04	-12.0	-67.5	266.9	246.8	20.14	13.252		
5,900.0	5,896.1	5,892.7	5,892.1	10.9	10.3	179.04	-12.2	-68.6	271.9	251.4	20.49	13.271		
6,000.0	5,996.0	5,992.5	5,991.9	11.0	10.5	179.05	-12.3	-69.7	276.9	256.1	20.84	13.289		
6,100.0	6,095.9	6,092.4	6,091.8	11.2	10.7	179.06	-12.5	-70.8	281.9	260.7	21.19	13.306		
6,200.0	6,195.9	6,192.3	6,191.7	11.4	10.8	179.07	-12.7	-71.9	286.9	265.4	21.54	13.323		
6,300.0	6,295.8	6,292.2	6,291.6	11.6	11.0	179.08	-12.8	-73.0	291.9	270.0	21.88	13.339		
6,400.0	6,395.7	6,392.0	6,391.4	11.8	11.2	179.09	-13.0	-74.1	296.9	274.7	22.23	13.355		
6,500.0	6,495.6	6,491.9	6,491.3	12.0	11.4	179.10	-13.1	-75.2	301.9	279.4	22.58	13.370		
6,600.0	6,595.6	6,591.8	6,591.2	12.2	11.5	179.10	-13.3	-76.3	306.9	284.0	22.93	13.385		
6,700.0	6,695.5	6,691.7	6,691.0	12.4	11.7	179.11	-13.5	-77.4	311.9	288.7	23.28	13.400		
6,800.0	6,795.4	6,791.5	6,790.9	12.5	11.9	179.12	-13.6	-78.5	316.9	293.3	23.63	13.414		
6,900.0	6,895.3	6,891.4	6,890.8	12.7	12.1	179.12	-13.8	-79.6	321.9	298.0	23.98	13.427		
7,000.0	6,995.2	6,991.3	6,990.6	12.9	12.2	179.13	-13.9	-80.6	326.9	302.6	24.33	13.440		
7,100.0	7,095.2	7,095.8	7,094.9	13.1	12.4	-179.81	-8.0	-81.9	331.4	306.7	24.68	13.426		
7,200.0	7,195.1	7,196.5	7,192.7	13.3	12.6	-175.84	15.2	-83.4	335.1	310.0	25.04	13.382		
7,251.5	7,246.5	7,244.5	7,237.6	13.4	12.7	-172.96	32.2	-84.2	337.7	312.5	25.23	13.386		
7,300.0	7,295.0	7,287.7	7,276.6	13.5	12.8	-108.92	50.7	-84.9	341.2	315.8	25.43	13.421		
7,350.0	7,344.5	7,331.0	7,314.2	13.6	12.9	-94.54	72.1	-85.7	345.8	320.2	25.65	13.482		
7,400.0	7,393.2	7,373.3	7,349.3	13.7	13.0	-87.50	95.7	-86.5	351.2	325.3	25.89	13.564		
7,450.0	7,440.8	7,414.6	7,381.8	13.8	13.2	-82.61	121.2	-87.3	357.3	331.1	26.15	13.661		
7,500.0	7,487.0	7,455.1	7,411.8	13.9	13.3	-78.70	148.4	-88.1	363.8	337.4	26.42	13.772		
7,550.0	7,531.2	7,494.9	7,439.3	14.1	13.5	-75.39	177.1	-88.9	370.6	344.0	26.68	13.890		
7,600.0	7,573.3	7,534.0	7,464.3	14.2	13.7	-72.51	207.1	-89.7	377.6	350.7	26.95	14.011		
7,650.0	7,612.9	7,572.5	7,486.9	14.4	14.0	-69.97	238.3	-90.5	384.6	357.4	27.21	14.134		
7,700.0	7,649.7	7,610.6	7,507.2	14.7	14.2	-67.72	270.5	-91.3	391.5	364.0	27.47	14.253		
7,750.0	7,683.4	7,650.0	7,525.8	14.9	14.5	-65.68	305.2	-92.1	398.1	370.4	27.73	14.356		
7,800.0	7,713.8	7,685.4	7,540.5	15.2	14.8	-63.99	337.4	-92.8	404.4	376.4	28.00	14.443		
7,850.0	7,740.6	7,722.3	7,553.7	15.6	15.1	-62.46	371.9	-93.5	410.1	381.9	28.28	14.501		
7,900.0	7,763.6	7,758.9	7,564.5	16.0	15.5	-61.15	406.9	-94.3	415.4	386.8	28.60	14.523		
7,950.0	7,782.7	7,800.0	7,573.9	16.4	15.9	-59.97	446.8	-95.1	420.0	391.0	28.99	14.489		
8,000.0	7,797.6	7,831.5	7,579.2	16.9	16.2	-59.13	477.8	-95.7	423.9	394.5	29.38	14.429		
8,050.0	7,808.4	7,867.4	7,583.2	17.4	16.6	-58.40	513.6	-96.3	427.1	397.2	29.86	14.303		
8,100.0	7,814.9	7,903.3	7,584.9	17.9	17.0	-57.86	549.4	-97.0	429.5	399.1	30.41	14.123		
8,149.4	7,817.0	7,949.0	7,585.0	18.5	17.6	-57.56	595.0	-97.8	430.7	399.5	31.16	13.820		
8,200.0	7,817.0	7,999.6	7,585.0	19.1	18.2	-57.56	645.6	-98.7	430.7	398.5	32.20	13.373		
8,300.0	7,817.0	8,099.6	7,585.0	20.3	19.5	-57.56	745.6	-100.4	430.7	396.3	34.37	12.529		
8,400.0	7,817.0	8,199.6	7,585.0	21.6	20.8	-57.56	845.6	-102.2	430.7	394.0	36.66	11.748		
8,500.0	7,817.0	8,299.6	7,585.0	23.0	22.2	-57.56	945.6	-103.9	430.7	391.6	39.03	11.034		
8,600.0	7,817.0	8,399.6	7,585.0	24.4	23.7	-57.56	1,045.5	-105.7	430.7	389.2	41.48	10.381		
8,700.0	7,817.0	8,499.6	7,585.0	25.9	25.2	-57.56	1,145.5	-107.4	430.7	386.7	44.00	9.788		
8,800.0	7,817.0	8,599.6	7,585.0	27.4	26.7	-57.56	1,245.5	-109.1	430.7	384.1	46.57	9.248		
8,900.0	7,817.0	8,699.6	7,585.0	28.9	28.3	-57.56	1,345.5	-110.9	430.7	381.5	49.18	8.756		
9,000.0	7,817.0	8,799.6	7,585.0	30.5	29.8	-57.56	1,445.5	-112.6	430.7	378.8	51.83	8.308		
9,100.0	7,817.0	8,899.6	7,585.0	32.0	31.4	-57.56	1,545.5	-114.4	430.7	376.1	54.52	7.899		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2B-7H-E168 - Hz - Plan #1												Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)			
9,200.0	7,817.0	8,999.6	7,585.0	33.6	33.0	-57.56	1,645.5	-116.1	430.7	373.4	57.23	7.525	
9,300.0	7,817.0	9,099.6	7,585.0	35.2	34.7	-57.56	1,745.4	-117.9	430.7	370.7	59.97	7.181	
9,400.0	7,817.0	9,199.6	7,585.0	36.9	36.3	-57.56	1,845.4	-119.6	430.7	367.9	62.73	6.866	
9,405.0	7,817.0	9,204.6	7,585.0	36.9	36.4	-57.56	1,850.4	-119.7	430.7	367.8	62.86	6.851	
9,500.0	7,817.0	9,294.4	7,585.0	38.5	37.9	-57.60	1,940.2	-121.9	431.2	365.7	65.46	6.587	
9,600.0	7,817.0	9,388.4	7,585.0	40.1	39.4	-57.75	2,034.1	-125.6	433.1	364.8	68.26	6.344	
9,700.0	7,817.0	9,482.2	7,585.0	41.8	41.0	-58.01	2,127.9	-130.9	436.4	365.2	71.16	6.132	
9,800.0	7,817.0	9,580.1	7,585.0	43.4	42.6	-58.36	2,225.5	-137.6	440.7	366.5	74.21	5.939	
9,900.0	7,817.0	9,680.0	7,585.0	45.1	44.3	-58.71	2,325.1	-144.6	445.2	367.9	77.32	5.758	
10,000.0	7,817.0	9,779.9	7,585.0	46.8	46.0	-59.06	2,424.8	-151.6	449.7	369.2	80.46	5.589	
10,100.0	7,817.0	9,879.7	7,585.0	48.5	47.7	-59.39	2,524.4	-158.5	454.2	370.6	83.62	5.432	
10,200.0	7,817.0	9,979.6	7,585.0	50.1	49.4	-59.73	2,624.0	-165.5	458.7	371.9	86.80	5.285	
10,300.0	7,817.0	10,079.5	7,585.0	51.8	51.1	-60.05	2,723.6	-172.5	463.2	373.2	89.99	5.147	
10,400.0	7,817.0	10,179.3	7,585.0	53.5	52.8	-60.37	2,823.2	-179.4	467.8	374.6	93.21	5.019	
10,500.0	7,817.0	10,279.2	7,585.0	55.2	54.5	-60.69	2,922.9	-186.4	472.3	375.9	96.44	4.898	
10,600.0	7,817.0	10,379.0	7,585.0	56.9	56.2	-61.00	3,022.5	-193.4	476.9	377.2	99.69	4.784	
10,700.0	7,817.0	10,478.9	7,585.0	58.6	57.9	-61.30	3,122.1	-200.3	481.5	378.5	102.96	4.677	
10,800.0	7,817.0	10,578.8	7,585.0	60.3	59.6	-61.59	3,221.7	-207.3	486.1	379.9	106.23	4.576	
10,900.0	7,817.0	10,678.6	7,585.0	62.0	61.3	-61.88	3,321.3	-214.3	490.7	381.2	109.53	4.480	
11,000.0	7,817.0	10,783.9	7,585.0	63.7	63.1	-62.16	3,426.4	-221.2	495.0	382.1	112.90	4.384	
11,100.0	7,817.0	10,892.2	7,585.0	65.5	65.0	-62.34	3,534.5	-226.3	497.7	381.4	116.25	4.281	
11,200.0	7,817.0	11,000.5	7,585.0	67.2	66.8	-62.40	3,642.8	-229.5	498.7	379.2	119.49	4.173	
11,300.0	7,817.0	11,108.9	7,585.0	68.9	68.7	-62.36	3,751.2	-230.6	498.0	375.4	122.63	4.061	
11,400.0	7,817.0	11,209.0	7,585.0	70.6	70.4	-62.27	3,851.2	-230.6	496.5	370.9	125.59	3.954	
11,500.0	7,817.0	11,308.9	7,585.0	72.3	72.2	-62.18	3,951.2	-230.7	495.0	366.5	128.54	3.851	
11,600.0	7,817.0	11,408.9	7,585.0	74.1	73.9	-62.09	4,051.2	-230.7	493.5	362.0	131.50	3.753	
11,700.0	7,817.0	11,508.9	7,585.0	75.8	75.6	-62.00	4,151.2	-230.8	492.0	357.6	134.44	3.660	
11,800.0	7,817.0	11,608.9	7,585.0	77.5	77.3	-61.90	4,251.2	-230.8	490.5	353.1	137.39	3.570	
11,900.0	7,817.0	11,708.9	7,585.0	79.2	79.1	-61.81	4,351.2	-230.9	489.0	348.7	140.33	3.485	
12,000.0	7,817.0	11,808.9	7,585.0	81.0	80.8	-61.71	4,451.2	-230.9	487.5	344.3	143.26	3.403	
12,100.0	7,817.0	11,908.9	7,585.0	82.7	82.5	-61.62	4,551.1	-231.0	486.0	339.9	146.19	3.325	
12,200.0	7,817.0	12,008.8	7,585.0	84.4	84.2	-61.52	4,651.1	-231.0	484.6	335.4	149.12	3.249	
12,300.0	7,817.0	12,108.8	7,585.0	86.1	86.0	-61.43	4,751.1	-231.1	483.1	331.0	152.04	3.177	
12,400.0	7,817.0	12,208.8	7,585.0	87.9	87.7	-61.33	4,851.1	-231.1	481.6	326.6	154.95	3.108	
12,500.0	7,817.0	12,308.8	7,585.0	89.6	89.4	-61.24	4,951.1	-231.2	480.1	322.2	157.86	3.041	
12,600.0	7,817.0	12,408.8	7,585.0	91.3	91.2	-61.14	5,051.1	-231.2	478.6	317.8	160.77	2.977	
12,700.0	7,817.0	12,508.8	7,585.0	93.1	92.9	-61.04	5,151.1	-231.3	477.1	313.4	163.67	2.915	
12,800.0	7,817.0	12,608.7	7,585.0	94.8	94.6	-60.94	5,251.0	-231.3	475.6	309.1	166.56	2.856	
12,900.0	7,817.0	12,708.7	7,585.0	96.5	96.4	-60.84	5,351.0	-231.4	474.1	304.7	169.45	2.798	
13,000.0	7,817.0	12,808.7	7,585.0	98.3	98.1	-60.74	5,451.0	-231.4	472.7	300.3	172.33	2.743	
13,100.0	7,817.0	12,908.7	7,585.0	100.0	99.9	-60.64	5,551.0	-231.5	471.2	296.0	175.20	2.689	
13,200.0	7,817.0	13,008.7	7,585.0	101.8	101.6	-60.54	5,651.0	-231.5	469.7	291.6	178.07	2.638	
13,300.0	7,817.0	13,108.7	7,585.0	103.5	103.3	-60.44	5,751.0	-231.6	468.2	287.3	180.93	2.588	
13,400.0	7,817.0	13,208.7	7,585.0	105.2	105.1	-60.33	5,851.0	-231.6	466.8	283.0	183.78	2.540	
13,500.0	7,817.0	13,308.6	7,585.0	107.0	106.8	-60.23	5,950.9	-231.7	465.3	278.6	186.63	2.493	
13,600.0	7,817.0	13,408.6	7,585.0	108.7	108.5	-60.13	6,050.9	-231.7	463.8	274.3	189.47	2.448	
13,700.0	7,817.0	13,508.6	7,585.0	110.5	110.3	-60.02	6,150.9	-231.8	462.3	270.0	192.30	2.404	
13,800.0	7,817.0	13,608.6	7,585.0	112.2	112.0	-59.92	6,250.9	-231.8	460.9	265.7	195.13	2.362	
13,900.0	7,817.0	13,708.6	7,585.0	113.9	113.8	-59.81	6,350.9	-231.8	459.4	261.5	197.95	2.321	
14,000.0	7,817.0	13,808.6	7,585.0	115.7	115.5	-59.70	6,450.9	-231.9	457.9	257.2	200.76	2.281	
14,100.0	7,817.0	13,908.6	7,585.0	117.4	117.3	-59.59	6,550.9	-231.9	456.5	252.9	203.56	2.242	
14,149.4	7,817.0	13,958.0	7,585.0	118.3	118.1	-59.54	6,600.3	-232.0	455.7	250.8	204.94	2.224	

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design													S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2B-7H-E168 - Hz - Plan #1		Offset Site Error:		0.0 ft
Survey Program:													0-Geolink MWD		Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
14,200.0	7,817.0	14,008.5	7,585.0	119.2	119.0	-59.47	6,650.8	-232.0	454.9	248.6	206.29	2.205					
14,300.0	7,817.0	14,108.5	7,585.0	120.9	120.7	-59.26	6,750.8	-232.0	452.2	243.4	208.78	2.166					
14,400.0	7,817.0	14,208.4	7,585.0	122.6	122.5	-58.95	6,850.7	-232.1	448.3	237.3	211.01	2.125					
14,500.0	7,817.0	14,308.2	7,585.0	124.4	124.2	-58.54	6,950.5	-232.1	443.3	230.3	212.95	2.082					
14,545.4	7,817.0	14,353.5	7,585.0	125.2	125.0	-58.31	6,995.8	-232.2	440.6	226.9	213.72	2.062					
14,600.0	7,817.0	14,408.0	7,585.0	126.1	126.0	-58.04	7,050.3	-232.2	437.3	222.5	214.74	2.036					
14,704.3	7,817.0	14,508.5	7,585.0	127.9	127.7	-57.53	7,150.8	-232.2	430.9	214.3	216.61	1.989 SF					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2D-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		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	37.54	7.3	5.6	9.2					
100.0	100.0	100.0	100.0	0.1	0.1	37.54	7.3	5.6	9.2	8.9	0.26	35.094		
200.0	200.0	200.0	200.0	0.3	0.3	37.54	7.3	5.6	9.2	8.6	0.61	15.040		
300.0	300.0	300.0	300.0	0.5	0.5	37.54	7.3	5.6	9.2	8.2	0.96	9.571		
400.0	400.0	400.0	400.0	0.7	0.7	37.54	7.3	5.6	9.2	7.9	1.31	7.019		
500.0	500.0	500.0	500.0	0.8	0.8	37.54	7.3	5.6	9.2	7.5	1.66	5.541 CC, ES		
600.0	600.0	599.9	599.9	1.0	1.0	41.62	7.3	6.5	9.7	7.7	2.01	4.852		
700.0	700.0	699.8	699.7	1.2	1.2	-34.76	7.3	9.1	10.9	8.5	2.36	4.625		
800.0	800.0	799.6	799.4	1.4	1.4	-28.14	7.2	13.4	12.1	9.4	2.71	4.465		
823.5	823.4	823.0	822.8	1.4	1.4	-26.66	7.2	14.7	12.4	9.6	2.79	4.435		
900.0	899.9	899.4	899.0	1.5	1.6	-21.20	7.2	19.5	13.8	10.7	3.06	4.510		
1,000.0	999.8	999.2	998.6	1.7	1.8	-14.11	7.1	27.0	16.9	13.5	3.41	4.954		
1,100.0	1,099.7	1,099.1	1,098.3	1.9	2.0	-9.18	7.1	34.5	20.3	16.5	3.76	5.389		
1,200.0	1,199.7	1,199.1	1,197.9	2.1	2.2	-5.67	7.0	42.1	23.7	19.6	4.11	5.777		
1,300.0	1,299.6	1,299.0	1,297.6	2.3	2.4	-3.06	7.0	49.6	27.3	22.8	4.45	6.120		
1,400.0	1,399.5	1,398.9	1,397.2	2.5	2.6	-1.06	6.9	57.2	30.8	26.0	4.80	6.422		
1,500.0	1,499.4	1,498.9	1,496.8	2.6	2.8	0.53	6.9	64.7	34.4	29.3	5.15	6.688		
1,600.0	1,599.4	1,598.8	1,596.5	2.8	3.0	1.81	6.8	72.3	38.1	32.6	5.50	6.924		
1,700.0	1,699.3	1,698.7	1,696.1	3.0	3.2	2.88	6.8	79.8	41.7	35.9	5.85	7.135		
1,800.0	1,799.2	1,798.7	1,795.8	3.2	3.4	3.77	6.7	87.4	45.4	39.2	6.20	7.324		
1,900.0	1,899.1	1,898.6	1,895.4	3.4	3.7	4.52	6.6	94.9	49.0	42.5	6.54	7.493		
2,000.0	1,999.0	1,998.5	1,995.1	3.6	3.9	5.17	6.6	102.5	52.7	45.8	6.89	7.647		
2,100.0	2,099.0	2,098.5	2,094.7	3.8	4.1	5.74	6.5	110.0	56.4	49.2	7.24	7.786		
2,200.0	2,198.9	2,198.4	2,194.4	3.9	4.3	6.24	6.5	117.6	60.1	52.5	7.59	7.913		
2,300.0	2,298.8	2,298.3	2,294.0	4.1	4.5	6.68	6.4	125.1	63.8	55.8	7.94	8.030		
2,400.0	2,398.7	2,398.2	2,393.6	4.3	4.7	7.07	6.4	132.7	67.5	59.2	8.29	8.137		
2,500.0	2,498.7	2,498.2	2,493.3	4.5	4.9	7.42	6.3	140.2	71.2	62.5	8.64	8.235		
2,600.0	2,598.6	2,598.1	2,592.9	4.7	5.2	7.74	6.3	147.8	74.9	65.9	8.99	8.326		
2,700.0	2,698.5	2,698.0	2,692.6	4.9	5.4	8.02	6.2	155.4	78.6	69.2	9.34	8.410		
2,800.0	2,798.4	2,798.0	2,792.2	5.1	5.6	8.29	6.2	162.9	82.3	72.6	9.69	8.489		
2,900.0	2,898.4	2,897.9	2,891.9	5.2	5.8	8.52	6.1	170.5	86.0	75.9	10.04	8.562		
3,000.0	2,998.3	2,997.8	2,991.5	5.4	6.0	8.74	6.0	178.0	89.7	79.3	10.39	8.630		
3,100.0	3,098.2	3,097.8	3,091.2	5.6	6.3	8.94	6.0	185.6	93.4	82.6	10.74	8.694		
3,200.0	3,198.1	3,197.7	3,190.8	5.8	6.5	9.13	5.9	193.1	97.1	86.0	11.09	8.754		
3,300.0	3,298.1	3,297.6	3,290.5	6.0	6.7	9.30	5.9	200.7	100.8	89.3	11.44	8.810		
3,400.0	3,398.0	3,397.6	3,390.1	6.2	6.9	9.46	5.8	208.2	104.5	92.7	11.79	8.863		
3,500.0	3,497.9	3,497.5	3,489.7	6.4	7.1	9.61	5.8	215.8	108.2	96.1	12.14	8.913		
3,600.0	3,597.8	3,597.4	3,589.4	6.6	7.3	9.75	5.7	223.3	111.9	99.4	12.49	8.960		
3,700.0	3,697.8	3,697.3	3,689.0	6.7	7.6	9.88	5.7	230.9	115.6	102.8	12.84	9.005		
3,800.0	3,797.7	3,797.3	3,788.7	6.9	7.8	10.00	5.6	238.4	119.3	106.1	13.19	9.047		
3,900.0	3,897.6	3,897.2	3,888.3	7.1	8.0	10.12	5.6	246.0	123.0	109.5	13.54	9.087		
4,000.0	3,997.5	3,997.1	3,988.0	7.3	8.2	10.23	5.5	253.5	126.8	112.9	13.89	9.126		
4,100.0	4,097.5	4,097.1	4,087.6	7.5	8.4	10.33	5.4	261.1	130.5	116.2	14.24	9.162		
4,200.0	4,197.4	4,197.0	4,187.3	7.7	8.6	10.42	5.4	268.6	134.2	119.6	14.59	9.196		
4,300.0	4,297.3	4,296.9	4,286.9	7.9	8.9	10.51	5.3	276.2	137.9	123.0	14.94	9.229		
4,400.0	4,397.2	4,396.9	4,386.5	8.0	9.1	10.60	5.3	283.7	141.6	126.3	15.29	9.261		
4,500.0	4,497.1	4,496.8	4,486.2	8.2	9.3	10.68	5.2	291.3	145.3	129.7	15.64	9.291		
4,600.0	4,597.1	4,596.7	4,585.8	8.4	9.5	10.76	5.2	298.9	149.0	133.0	15.99	9.320		
4,700.0	4,697.0	4,696.7	4,685.5	8.6	9.7	10.83	5.1	306.4	152.7	136.4	16.34	9.347		
4,800.0	4,796.9	4,796.6	4,785.1	8.8	10.0	10.91	5.1	314.0	156.5	139.8	16.69	9.374		
4,900.0	4,896.8	4,896.5	4,884.8	9.0	10.2	10.97	5.0	321.5	160.2	143.1	17.04	9.399		
5,000.0	4,996.8	4,996.4	4,984.4	9.2	10.4	11.04	5.0	329.1	163.9	146.5	17.39	9.423		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2D-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	5,096.7	5,096.4	5,084.1	9.4	10.6	11.10	4.9	336.6	167.6	149.9	17.74	9.447		
5,200.0	5,196.6	5,196.3	5,183.7	9.5	10.8	11.16	4.9	344.2	171.3	153.2	18.09	9.469		
5,300.0	5,296.5	5,296.2	5,283.3	9.7	11.1	11.21	4.8	351.7	175.0	156.6	18.44	9.491		
5,400.0	5,396.5	5,396.2	5,383.0	9.9	11.3	11.27	4.7	359.3	178.8	160.0	18.79	9.511		
5,500.0	5,496.4	5,496.1	5,482.6	10.1	11.5	11.32	4.7	366.8	182.5	163.3	19.14	9.531		
5,600.0	5,596.3	5,596.0	5,582.3	10.3	11.7	11.37	4.6	374.4	186.2	166.7	19.49	9.551		
5,700.0	5,696.2	5,696.0	5,681.9	10.5	11.9	11.42	4.6	381.9	189.9	170.1	19.84	9.569		
5,800.0	5,796.2	5,795.9	5,781.6	10.7	12.1	11.46	4.5	389.5	193.6	173.4	20.20	9.587		
5,900.0	5,896.1	5,895.8	5,881.2	10.9	12.4	11.51	4.5	397.0	197.3	176.8	20.55	9.605		
6,000.0	5,996.0	5,995.8	5,980.9	11.0	12.6	11.55	4.4	404.6	201.1	180.2	20.90	9.622		
6,100.0	6,095.9	6,095.7	6,080.5	11.2	12.8	11.59	4.4	412.1	204.8	183.5	21.25	9.638		
6,200.0	6,195.9	6,195.6	6,180.2	11.4	13.0	11.63	4.3	419.7	208.5	186.9	21.60	9.654		
6,300.0	6,295.8	6,295.6	6,279.8	11.6	13.2	11.67	4.3	427.3	212.2	190.3	21.95	9.669		
6,400.0	6,395.7	6,395.5	6,379.4	11.8	13.5	11.70	4.2	434.8	215.9	193.6	22.30	9.684		
6,500.0	6,495.6	6,495.4	6,479.1	12.0	13.7	11.74	4.1	442.4	219.6	197.0	22.65	9.698		
6,600.0	6,595.6	6,595.3	6,578.7	12.2	13.9	11.77	4.1	449.9	223.4	200.4	23.00	9.712		
6,700.0	6,695.5	6,695.3	6,678.4	12.4	14.1	11.81	4.0	457.5	227.1	203.7	23.35	9.725		
6,800.0	6,795.4	6,795.2	6,778.0	12.5	14.3	11.84	4.0	465.0	230.8	207.1	23.70	9.738		
6,900.0	6,895.3	6,895.1	6,877.7	12.7	14.5	11.87	3.9	472.6	234.5	210.5	24.05	9.751		
7,000.0	6,995.2	6,995.1	6,977.3	12.9	14.8	11.90	3.9	480.1	238.2	213.8	24.40	9.763		
7,100.0	7,095.2	7,097.2	7,079.0	13.1	15.0	11.04	7.6	487.9	241.6	216.9	24.75	9.764		
7,200.0	7,195.1	7,196.7	7,176.1	13.3	15.2	6.43	27.4	495.4	244.7	219.6	25.06	9.762		
7,251.5	7,246.5	7,244.7	7,221.3	13.4	15.3	2.88	42.9	499.0	247.2	222.0	25.22	9.802		
7,300.0	7,295.0	7,288.0	7,260.9	13.5	15.4	59.91	60.1	502.1	250.9	225.5	25.38	9.886		
7,350.0	7,344.5	7,331.5	7,299.3	13.6	15.6	67.34	80.4	505.2	255.9	230.3	25.55	10.016		
7,400.0	7,393.2	7,374.1	7,335.2	13.7	15.7	67.79	103.0	508.1	261.8	236.1	25.70	10.189		
7,450.0	7,440.8	7,415.7	7,368.7	13.8	15.8	66.48	127.7	510.9	268.6	242.7	25.81	10.404		
7,500.0	7,487.0	7,456.6	7,399.7	13.9	16.0	64.60	154.2	513.5	275.9	250.0	25.88	10.657		
7,550.0	7,531.2	7,500.0	7,430.5	14.1	16.2	62.41	184.7	516.0	283.5	257.6	25.91	10.943		
7,600.0	7,573.3	7,536.5	7,454.5	14.2	16.4	60.56	212.0	518.1	291.4	265.5	25.89	11.251		
7,650.0	7,612.9	7,575.5	7,478.2	14.4	16.6	58.67	243.0	520.2	299.2	273.4	25.85	11.576		
7,700.0	7,649.7	7,614.1	7,499.6	14.7	16.8	56.92	275.1	522.1	306.9	281.1	25.79	11.902		
7,750.0	7,683.4	7,650.0	7,517.4	14.9	17.1	55.40	306.1	523.7	314.3	288.6	25.73	12.215		
7,800.0	7,713.8	7,690.1	7,535.0	15.2	17.4	53.93	342.1	525.3	321.4	295.6	25.74	12.487		
7,850.0	7,740.6	7,727.6	7,549.2	15.6	17.7	52.70	376.8	526.7	327.9	302.1	25.81	12.704		
7,900.0	7,763.6	7,764.9	7,561.0	16.0	18.0	51.64	412.1	527.9	333.9	307.9	25.99	12.845		
7,950.0	7,782.7	7,800.0	7,570.0	16.4	18.3	50.78	446.0	528.9	339.2	312.9	26.30	12.896		
8,000.0	7,797.6	7,838.7	7,577.5	16.9	18.6	50.04	484.0	529.8	343.8	317.0	26.79	12.832		
8,050.0	7,808.4	7,875.4	7,582.3	17.4	19.0	49.48	520.4	530.5	347.7	320.2	27.45	12.665		
8,100.0	7,814.9	7,912.0	7,584.7	17.9	19.4	49.07	556.9	531.0	350.8	322.5	28.29	12.398		
8,149.4	7,817.0	7,954.2	7,585.0	18.5	19.8	48.87	599.1	531.4	352.8	323.4	29.37	12.013		
8,200.0	7,817.0	8,004.7	7,585.0	19.1	20.4	49.01	649.6	531.8	353.8	323.5	30.32	11.667		
8,300.0	7,817.0	8,104.7	7,585.0	20.3	21.5	49.29	749.6	532.7	355.8	323.4	32.32	11.008		
8,400.0	7,817.0	8,204.7	7,585.0	21.6	22.8	49.56	849.5	533.6	357.8	323.3	34.43	10.390		
8,500.0	7,817.0	8,304.6	7,585.0	23.0	24.1	49.83	949.5	534.4	359.8	323.1	36.64	9.818		
8,600.0	7,817.0	8,404.6	7,585.0	24.4	25.4	50.10	1,049.5	535.3	361.8	322.8	38.94	9.289		
8,700.0	7,817.0	8,504.6	7,585.0	25.9	26.8	50.36	1,149.4	536.2	363.8	322.5	41.32	8.804		
8,800.0	7,817.0	8,604.5	7,585.0	27.4	28.3	50.63	1,249.4	537.1	365.8	322.0	43.76	8.359		
8,900.0	7,817.0	8,704.5	7,585.0	28.9	29.8	50.89	1,349.3	537.9	367.8	321.6	46.26	7.951		
9,000.0	7,817.0	8,804.5	7,585.0	30.5	31.3	51.14	1,449.3	538.8	369.9	321.0	48.82	7.576		
9,100.0	7,817.0	8,904.4	7,585.0	32.0	32.8	51.39	1,549.3	539.7	371.9	320.5	51.42	7.233		
9,200.0	7,817.0	9,004.4	7,585.0	33.6	34.3	51.64	1,649.2	540.5	373.9	319.9	54.07	6.917		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2D-7H-E168 - Hz - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		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		
9,300.0	7,817.0	9,104.4	7,585.0	35.2	35.9	51.89	1,749.2	541.4	376.0	319.3	56.75	6.626		
9,400.0	7,817.0	9,204.3	7,585.0	36.9	37.5	52.14	1,849.2	542.3	378.1	318.6	59.47	6.357		
9,500.0	7,817.0	9,304.3	7,585.0	38.5	39.1	52.38	1,949.1	543.2	380.1	317.9	62.22	6.109		
9,600.0	7,817.0	9,404.3	7,585.0	40.1	40.7	52.62	2,049.1	544.0	382.2	317.2	65.01	5.879		
9,700.0	7,817.0	9,504.2	7,585.0	41.8	42.3	52.86	2,149.0	544.9	384.3	316.5	67.82	5.666		
9,800.0	7,817.0	9,604.2	7,585.0	43.4	44.0	53.09	2,249.0	545.8	386.4	315.7	70.66	5.468		
9,900.0	7,817.0	9,704.2	7,585.0	45.1	45.6	53.32	2,349.0	546.7	388.5	315.0	73.53	5.284		
10,000.0	7,817.0	9,804.1	7,585.0	46.8	47.3	53.55	2,448.9	547.5	390.6	314.2	76.41	5.111		
10,100.0	7,817.0	9,904.1	7,585.0	48.5	48.9	53.78	2,548.9	548.4	392.7	313.4	79.32	4.951		
10,200.0	7,817.0	10,004.1	7,585.0	50.1	50.6	54.00	2,648.9	549.3	394.8	312.6	82.25	4.800		
10,300.0	7,817.0	10,104.0	7,585.0	51.8	52.3	54.22	2,748.8	550.1	396.9	311.7	85.21	4.659		
10,400.0	7,817.0	10,204.0	7,585.0	53.5	53.9	54.44	2,848.8	551.0	399.1	310.9	88.17	4.526		
10,500.0	7,817.0	10,304.0	7,585.0	55.2	55.6	54.66	2,948.7	551.9	401.2	310.0	91.16	4.401		
10,600.0	7,817.0	10,403.9	7,585.0	56.9	57.3	54.88	3,048.7	552.8	403.3	309.2	94.17	4.283		
10,700.0	7,817.0	10,503.9	7,585.0	58.6	59.0	55.09	3,148.7	553.6	405.5	308.3	97.19	4.172		
10,800.0	7,817.0	10,603.9	7,585.0	60.3	60.7	55.30	3,248.6	554.5	407.6	307.4	100.22	4.067		
10,900.0	7,817.0	10,703.8	7,585.0	62.0	62.4	55.51	3,348.6	555.4	409.8	306.5	103.28	3.968		
11,000.0	7,817.0	10,803.8	7,585.0	63.7	64.1	55.71	3,448.5	556.2	411.9	305.6	106.34	3.874		
11,100.0	7,817.0	10,903.7	7,585.0	65.5	65.8	55.92	3,548.5	557.1	414.1	304.7	109.42	3.784		
11,200.0	7,817.0	11,003.7	7,585.0	67.2	67.5	56.12	3,648.5	558.0	416.3	303.8	112.51	3.700		
11,300.0	7,817.0	11,105.1	7,585.0	68.9	69.2	56.32	3,749.9	558.8	418.4	302.8	115.64	3.618		
11,400.0	7,817.0	11,211.6	7,585.0	70.6	71.0	56.42	3,856.3	558.3	419.5	300.7	118.73	3.533		
11,500.0	7,817.0	11,318.1	7,585.0	72.3	72.8	56.37	3,962.8	555.9	419.0	297.3	121.64	3.444		
11,600.0	7,817.0	11,424.5	7,585.0	74.1	74.7	56.18	4,069.1	551.4	417.0	292.6	124.35	3.353		
11,700.0	7,817.0	11,530.8	7,585.0	75.8	76.5	55.82	4,175.2	545.0	413.4	286.6	126.82	3.260		
11,800.0	7,817.0	11,636.9	7,585.0	77.5	78.3	55.31	4,281.0	536.6	408.3	279.3	129.04	3.164		
11,900.0	7,817.0	11,742.7	7,585.0	79.2	80.0	54.62	4,386.3	526.3	401.8	270.8	130.94	3.068		
12,000.0	7,817.0	11,848.2	7,585.0	81.0	81.8	53.75	4,491.1	514.1	393.8	261.3	132.48	2.972		
12,100.0	7,817.0	11,952.1	7,585.0	82.7	83.6	52.68	4,594.0	500.3	384.5	250.9	133.59	2.878		
12,200.0	7,817.0	12,051.3	7,585.0	84.4	85.3	51.55	4,692.3	486.5	374.8	240.4	134.43	2.788		
12,300.0	7,817.0	12,150.6	7,585.0	86.1	86.9	50.37	4,790.6	472.6	365.3	230.3	135.02	2.706		
12,400.0	7,817.0	12,249.0	7,585.0	87.9	88.6	49.13	4,888.1	459.0	356.0	220.6	135.38	2.630		
12,500.0	7,817.0	12,344.0	7,585.0	89.6	90.2	48.00	4,982.3	446.8	347.7	212.0	135.74	2.562		
12,600.0	7,817.0	12,439.3	7,585.0	91.3	91.9	46.99	5,077.0	436.2	340.8	204.5	136.23	2.501		
12,700.0	7,817.0	12,534.9	7,585.0	93.1	93.5	46.12	5,172.2	427.1	335.1	198.2	136.91	2.448		
12,800.0	7,817.0	12,630.8	7,585.0	94.8	95.2	45.42	5,267.7	419.6	330.8	192.9	137.86	2.399		
12,900.0	7,817.0	12,726.7	7,585.0	96.5	96.8	44.90	5,363.5	413.7	327.6	188.5	139.14	2.355		
13,000.0	7,817.0	12,822.9	7,585.0	98.3	98.5	44.57	5,459.5	409.4	325.7	184.9	140.80	2.313		
13,100.0	7,817.0	12,919.0	7,585.0	100.0	100.1	44.45	5,555.7	406.7	325.0	182.1	142.91	2.274		
13,113.0	7,817.0	12,931.5	7,585.0	100.2	100.4	44.44	5,568.2	406.5	325.0	181.7	143.22	2.269		
13,200.0	7,817.0	13,015.2	7,585.0	101.8	101.8	44.52	5,651.8	405.6	325.4	179.9	145.49	2.237		
13,300.0	7,817.0	13,111.3	7,585.0	103.5	103.5	44.80	5,748.0	406.2	327.0	178.5	148.56	2.201		
13,400.0	7,817.0	13,207.3	7,585.0	105.2	105.1	45.27	5,844.0	408.3	329.8	177.7	152.12	2.168		
13,500.0	7,817.0	13,305.9	7,585.0	107.0	106.9	45.90	5,942.4	411.8	333.6	177.5	156.13	2.137		
13,600.0	7,817.0	13,405.7	7,585.0	108.7	108.6	46.53	6,042.2	415.4	337.5	177.3	160.20	2.107		
13,700.0	7,817.0	13,505.6	7,585.0	110.5	110.3	47.15	6,142.0	419.0	341.4	177.1	164.28	2.078		
13,800.0	7,817.0	13,605.5	7,585.0	112.2	112.1	47.76	6,241.8	422.7	345.4	177.0	168.35	2.051		
13,900.0	7,817.0	13,705.3	7,585.0	113.9	113.8	48.35	6,341.6	426.3	349.4	176.9	172.43	2.026		
14,000.0	7,817.0	13,805.2	7,585.0	115.7	115.6	48.93	6,441.4	429.9	353.4	176.9	176.50	2.002		
14,100.0	7,817.0	13,905.0	7,585.0	117.4	117.3	49.49	6,541.2	433.5	357.5	176.9	180.57	1.980		
14,149.4	7,817.0	13,954.4	7,585.0	118.3	118.2	49.77	6,590.5	435.3	359.5	176.9	182.58	1.969		
14,200.0	7,817.0	14,004.9	7,585.0	119.2	119.0	50.05	6,641.0	437.2	361.7	177.1	184.58	1.960		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design										S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2D-7H-E168 - Hz - Plan #3				Offset Site Error:		0.0 ft	
Survey Program:										0-Geolink MWD				Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis	Factor					
14,300.0	7,817.0	14,104.6	7,585.0	120.9	120.8	50.70	6,740.7	440.8	366.9	178.2	188.75	1.944					
14,400.0	7,817.0	14,204.3	7,585.0	122.6	122.5	51.46	6,840.3	444.4	373.3	180.1	193.18	1.932					
14,500.0	7,817.0	14,303.8	7,585.0	124.4	124.3	52.32	6,939.7	448.0	380.8	183.0	197.83	1.925					
14,545.4	7,817.0	14,349.0	7,585.0	125.2	125.1	52.74	6,984.8	449.6	384.6	184.6	200.01	1.923					
14,600.0	7,817.0	14,403.3	7,585.0	126.1	126.0	53.27	7,039.1	451.6	389.4	186.6	202.85	1.920					
14,704.3	7,817.0	14,506.9	7,585.0	127.9	127.8	54.24	7,142.7	455.4	398.6	190.4	208.19	1.914 SF					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2E-7H-E168 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance									
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	90.00	0.0	22.4	22.4						
100.0	100.0	100.0	100.0	0.1	0.1	90.00	0.0	22.4	22.4	22.1	0.26	85.525			
200.0	200.0	200.0	200.0	0.3	0.3	90.00	0.0	22.4	22.4	21.8	0.61	36.654			
300.0	300.0	300.0	300.0	0.5	0.5	90.00	0.0	22.4	22.4	21.4	0.96	23.325			
400.0	400.0	400.0	400.0	0.7	0.7	90.00	0.0	22.4	22.4	21.1	1.31	17.105 CC, ES			
500.0	500.0	499.6	499.6	0.8	0.8	90.02	0.0	23.3	23.3	21.6	1.66	14.029			
600.0	600.0	599.1	599.1	1.0	1.0	90.06	0.0	25.9	25.9	23.9	2.01	12.871			
700.0	700.0	698.6	698.5	1.2	1.2	6.64	-0.1	30.2	29.3	27.0	2.35	12.467			
800.0	800.0	798.0	797.7	1.4	1.4	7.19	-0.1	36.2	32.8	30.1	2.70	12.150			
823.5	823.4	821.3	820.9	1.4	1.4	7.35	-0.1	37.9	33.6	30.9	2.78	12.088			
900.0	899.9	897.3	896.7	1.5	1.6	7.85	-0.2	44.0	36.8	33.8	3.05	12.073 SF			
1,000.0	999.8	996.5	995.4	1.7	1.8	8.32	-0.3	53.4	42.5	39.1	3.40	12.507			
1,100.0	1,099.7	1,095.4	1,093.7	1.9	2.1	8.62	-0.3	64.5	49.9	46.2	3.75	13.323			
1,200.0	1,199.7	1,194.1	1,191.6	2.1	2.3	8.78	-0.4	77.3	59.0	54.9	4.09	14.420			
1,300.0	1,299.6	1,293.6	1,290.2	2.3	2.6	8.88	-0.6	91.0	68.9	64.4	4.44	15.508			
1,400.0	1,399.5	1,393.1	1,388.7	2.5	2.9	8.95	-0.7	104.6	78.7	74.0	4.79	16.438			
1,500.0	1,499.4	1,492.7	1,487.3	2.6	3.1	9.01	-0.8	118.2	88.6	83.5	5.14	17.242			
1,600.0	1,599.4	1,592.2	1,585.9	2.8	3.4	9.05	-0.9	131.9	98.5	93.0	5.49	17.944			
1,700.0	1,699.3	1,691.7	1,684.4	3.0	3.7	9.09	-1.0	145.5	108.3	102.5	5.84	18.561			
1,800.0	1,799.2	1,791.2	1,783.0	3.2	4.0	9.12	-1.1	159.1	118.2	112.0	6.19	19.110			
1,900.0	1,899.1	1,890.7	1,881.6	3.4	4.3	9.14	-1.2	172.8	128.1	121.5	6.53	19.599			
2,000.0	1,999.0	1,990.2	1,980.2	3.6	4.6	9.17	-1.3	186.4	137.9	131.1	6.88	20.039			
2,100.0	2,099.0	2,089.7	2,078.7	3.8	4.8	9.19	-1.4	200.0	147.8	140.6	7.23	20.437			
2,200.0	2,198.9	2,189.2	2,177.3	3.9	5.1	9.20	-1.5	213.7	157.7	150.1	7.58	20.798			
2,300.0	2,298.8	2,288.7	2,275.9	4.1	5.4	9.22	-1.7	227.3	167.5	159.6	7.93	21.127			
2,400.0	2,398.7	2,388.3	2,374.5	4.3	5.7	9.23	-1.8	240.9	177.4	169.1	8.28	21.429			
2,500.0	2,498.7	2,487.8	2,473.0	4.5	6.0	9.24	-1.9	254.6	187.3	178.6	8.63	21.706			
2,600.0	2,598.6	2,587.3	2,571.6	4.7	6.3	9.25	-2.0	268.2	197.1	188.2	8.98	21.961			
2,700.0	2,698.5	2,686.8	2,670.2	4.9	6.6	9.26	-2.1	281.8	207.0	197.7	9.33	22.198			
2,800.0	2,798.4	2,786.3	2,768.8	5.1	6.9	9.27	-2.2	295.5	216.9	207.2	9.67	22.417			
2,900.0	2,898.4	2,885.8	2,867.3	5.2	7.2	9.28	-2.3	309.1	226.7	216.7	10.02	22.621			
3,000.0	2,998.3	2,985.3	2,965.9	5.4	7.5	9.29	-2.4	322.7	236.6	226.2	10.37	22.812			
3,100.0	3,098.2	3,084.8	3,064.5	5.6	7.8	9.29	-2.5	336.4	246.5	235.7	10.72	22.990			
3,200.0	3,198.1	3,184.4	3,163.1	5.8	8.1	9.30	-2.6	350.0	256.3	245.3	11.07	23.157			
3,300.0	3,298.1	3,283.9	3,261.6	6.0	8.4	9.30	-2.8	363.6	266.2	254.8	11.42	23.313			
3,400.0	3,398.0	3,383.4	3,360.2	6.2	8.7	9.31	-2.9	377.3	276.1	264.3	11.77	23.461			
3,500.0	3,497.9	3,482.9	3,458.8	6.4	8.9	9.32	-3.0	390.9	285.9	273.8	12.12	23.600			
3,600.0	3,597.8	3,582.4	3,557.3	6.6	9.2	9.32	-3.1	404.5	295.8	283.3	12.46	23.731			
3,700.0	3,697.8	3,681.9	3,655.9	6.7	9.5	9.32	-3.2	418.2	305.7	292.8	12.81	23.855			
3,800.0	3,797.7	3,781.4	3,754.5	6.9	9.8	9.33	-3.3	431.8	315.5	302.4	13.16	23.972			
3,900.0	3,897.6	3,880.9	3,853.1	7.1	10.1	9.33	-3.4	445.4	325.4	311.9	13.51	24.083			
4,000.0	3,997.5	3,980.5	3,951.6	7.3	10.4	9.34	-3.5	459.1	335.2	321.4	13.86	24.189			
4,100.0	4,097.5	4,080.0	4,050.2	7.5	10.7	9.34	-3.6	472.7	345.1	330.9	14.21	24.290			
4,200.0	4,197.4	4,179.5	4,148.8	7.7	11.0	9.34	-3.7	486.3	355.0	340.4	14.56	24.385			
4,300.0	4,297.3	4,279.0	4,247.4	7.9	11.3	9.35	-3.8	500.0	364.8	349.9	14.91	24.476			
4,400.0	4,397.2	4,378.5	4,345.9	8.0	11.6	9.35	-4.0	513.6	374.7	359.5	15.25	24.564			
4,500.0	4,497.1	4,478.0	4,444.5	8.2	11.9	9.35	-4.1	527.2	384.6	369.0	15.60	24.647			
4,600.0	4,597.1	4,577.5	4,543.1	8.4	12.2	9.35	-4.2	540.9	394.4	378.5	15.95	24.726			
4,700.0	4,697.0	4,677.0	4,641.7	8.6	12.5	9.36	-4.3	554.5	404.3	388.0	16.30	24.802			
4,800.0	4,796.9	4,776.6	4,740.2	8.8	12.8	9.36	-4.4	568.1	414.2	397.5	16.65	24.875			
4,900.0	4,896.8	4,876.1	4,838.8	9.0	13.1	9.36	-4.5	581.8	424.0	407.0	17.00	24.945			
5,000.0	4,996.8	4,975.6	4,937.4	9.2	13.4	9.36	-4.6	595.4	433.9	416.6	17.35	25.012			

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design											S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2E-7H-E168 - Hz - Plan #2			Offset Site Error:		0.0 ft
Survey Program:											0-Geolink MWD			Offset Well Error:		0.0 ft
Reference		Offset		Semi Major Axis			Distance									
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre +N/-S	Centre +E/-W	Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning			
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	(ft)	(ft)	(ft)	(ft)						
5,100.0	5,096.7	5,075.1	5,036.0	9.4	13.7	9.36	-4.7	609.0	443.8	426.1	17.70	25.077				
5,200.0	5,196.6	5,174.6	5,134.5	9.5	14.0	9.37	-4.8	622.7	453.6	435.6	18.05	25.139				
5,300.0	5,296.5	5,274.1	5,233.1	9.7	14.3	9.37	-4.9	636.3	463.5	445.1	18.39	25.199				
5,400.0	5,396.5	5,373.6	5,331.7	9.9	14.6	9.37	-5.1	649.9	473.4	454.6	18.74	25.256				
5,500.0	5,496.4	5,473.1	5,430.2	10.1	14.9	9.37	-5.2	663.6	483.2	464.1	19.09	25.311				
5,600.0	5,596.3	5,572.7	5,528.8	10.3	15.1	9.37	-5.3	677.2	493.1	473.7	19.44	25.365				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2F-7H-E168 - Hz - Plan #2														Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD														Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		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			
0.0	0.0	1.0	1.0	0.0	0.0	73.87	7.3	25.2	26.2						
100.0	100.0	101.0	101.0	0.1	0.1	73.87	7.3	25.2	26.2	26.0	0.26	99.496			
200.0	200.0	201.0	201.0	0.3	0.3	73.87	7.3	25.2	26.2	25.6	0.61	42.803			
266.3	266.3	267.3	267.3	0.4	0.4	73.87	7.3	25.2	26.2	25.4	0.84	31.063 CC			
300.0	300.0	301.0	301.0	0.5	0.5	73.87	7.3	25.2	26.2	25.3	0.96	27.267 ES			
400.0	400.0	400.5	400.5	0.7	0.7	74.02	7.5	26.1	27.1	25.8	1.31	20.680			
500.0	500.0	500.0	500.0	0.8	0.8	74.43	8.0	28.6	29.7	28.1	1.66	17.870			
600.0	600.0	599.4	599.2	1.0	1.0	74.97	8.8	32.9	34.1	32.0	2.02	16.844			
700.0	700.0	698.6	698.3	1.2	1.2	-8.31	10.0	38.8	39.3	36.9	2.35	16.687			
800.0	800.0	797.7	797.1	1.4	1.4	-8.21	11.5	46.4	44.5	41.8	2.70	16.472			
823.5	823.4	821.0	820.3	1.4	1.5	-8.21	11.9	48.4	45.7	42.9	2.78	16.429 SF			
900.0	899.9	896.8	895.7	1.5	1.6	-8.22	13.4	55.6	50.2	47.2	3.05	16.469			
1,000.0	999.8	995.6	993.8	1.7	1.9	-8.14	15.6	66.5	57.6	54.2	3.40	16.960			
1,100.0	1,099.7	1,094.1	1,091.5	1.9	2.2	-8.00	18.1	79.1	66.7	63.0	3.74	17.820			
1,200.0	1,199.7	1,192.2	1,188.6	2.1	2.4	-7.83	20.9	93.2	77.5	73.4	4.09	18.954			
1,300.0	1,299.6	1,290.0	1,285.1	2.3	2.8	-7.65	24.0	108.9	90.0	85.6	4.44	20.296			
1,400.0	1,399.5	1,388.1	1,381.6	2.5	3.1	-7.48	27.5	126.1	104.1	99.3	4.78	21.768			
1,500.0	1,499.4	1,487.0	1,478.9	2.6	3.4	-7.34	31.0	143.7	118.5	113.3	5.13	23.094			
1,600.0	1,599.4	1,586.0	1,576.2	2.8	3.8	-7.23	34.5	161.4	132.8	127.4	5.48	24.252			
1,700.0	1,699.3	1,685.0	1,673.5	3.0	4.1	-7.14	38.1	179.0	147.2	141.4	5.82	25.272			
1,800.0	1,799.2	1,783.9	1,770.8	3.2	4.5	-7.07	41.6	196.7	161.6	155.4	6.17	26.177			
1,900.0	1,899.1	1,882.9	1,868.1	3.4	4.8	-7.00	45.1	214.4	175.9	169.4	6.52	26.986			
2,000.0	1,999.0	1,981.9	1,965.4	3.6	5.2	-6.95	48.7	232.0	190.3	183.4	6.87	27.714			
2,100.0	2,099.0	2,080.8	2,062.7	3.8	5.5	-6.91	52.2	249.7	204.7	197.5	7.21	28.371			
2,200.0	2,198.9	2,179.8	2,160.1	3.9	5.9	-6.87	55.7	267.3	219.0	211.5	7.56	28.968			
2,300.0	2,298.8	2,278.7	2,257.4	4.1	6.2	-6.84	59.3	285.0	233.4	225.5	7.91	29.513			
2,400.0	2,398.7	2,377.7	2,354.7	4.3	6.6	-6.81	62.8	302.7	247.8	239.5	8.26	30.012			
2,500.0	2,498.7	2,476.7	2,452.0	4.5	7.0	-6.78	66.4	320.3	262.2	253.6	8.60	30.471			
2,600.0	2,598.6	2,575.6	2,549.3	4.7	7.3	-6.76	69.9	338.0	276.5	267.6	8.95	30.894			
2,700.0	2,698.5	2,674.6	2,646.6	4.9	7.7	-6.73	73.4	355.6	290.9	281.6	9.30	31.286			
2,800.0	2,798.4	2,773.6	2,743.9	5.1	8.0	-6.71	77.0	373.3	305.3	295.6	9.65	31.649			
2,900.0	2,898.4	2,872.5	2,841.2	5.2	8.4	-6.70	80.5	391.0	319.6	309.6	9.99	31.987			
3,000.0	2,998.3	2,971.5	2,938.5	5.4	8.7	-6.68	84.0	408.6	334.0	323.7	10.34	32.303			
3,100.0	3,098.2	3,070.4	3,035.8	5.6	9.1	-6.67	87.6	426.3	348.4	337.7	10.69	32.598			
3,200.0	3,198.1	3,169.4	3,133.1	5.8	9.5	-6.65	91.1	443.9	362.7	351.7	11.03	32.874			
3,300.0	3,298.1	3,268.4	3,230.5	6.0	9.8	-6.64	94.6	461.6	377.1	365.7	11.38	33.134			
3,400.0	3,398.0	3,367.3	3,327.8	6.2	10.2	-6.63	98.2	479.3	391.5	379.8	11.73	33.378			
3,500.0	3,497.9	3,466.3	3,425.1	6.4	10.5	-6.62	101.7	496.9	405.8	393.8	12.08	33.609			
3,600.0	3,597.8	3,565.2	3,522.4	6.6	10.9	-6.61	105.2	514.6	420.2	407.8	12.42	33.826			
3,700.0	3,697.8	3,664.2	3,619.7	6.7	11.3	-6.60	108.8	532.2	434.6	421.8	12.77	34.032			
3,800.0	3,797.7	3,763.2	3,717.0	6.9	11.6	-6.59	112.3	549.9	449.0	435.8	13.12	34.226			
3,900.0	3,897.6	3,862.1	3,814.3	7.1	12.0	-6.58	115.8	567.6	463.3	449.9	13.46	34.411			
4,000.0	3,997.5	3,961.1	3,911.6	7.3	12.4	-6.57	119.4	585.2	477.7	463.9	13.81	34.587			
4,100.0	4,097.5	4,060.1	4,008.9	7.5	12.7	-6.56	122.9	602.9	492.1	477.9	14.16	34.753			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2G-7H-E168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		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	1.0	1.0	0.0	0.0	90.00	0.0	30.8	30.8					
100.0	100.0	101.0	101.0	0.1	0.1	90.00	0.0	30.8	30.8	30.5	0.26	116.818		
200.0	200.0	201.0	201.0	0.3	0.3	90.00	0.0	30.8	30.8	30.2	0.61	50.255		
232.0	232.0	233.0	233.0	0.4	0.4	90.00	0.0	30.8	30.8	30.1	0.72	42.509 CC		
300.0	300.0	300.7	300.7	0.5	0.5	90.07	0.0	31.0	31.0	30.0	0.96	32.258 ES		
400.0	400.0	400.0	400.0	0.7	0.7	90.60	-0.3	32.7	32.7	31.4	1.31	24.969		
500.0	500.0	499.5	499.4	0.8	0.8	91.50	-0.9	36.1	36.2	34.5	1.67	21.702		
600.0	600.0	598.7	598.5	1.0	1.0	92.56	-1.8	41.2	41.4	39.3	2.03	20.349		
700.0	700.0	697.8	697.3	1.2	1.2	10.12	-3.0	48.0	47.4	45.0	2.35	20.139		
800.0	800.0	796.7	795.9	1.4	1.4	11.59	-4.5	56.5	53.5	50.8	2.70	19.796		
823.5	823.4	819.9	819.0	1.4	1.5	11.97	-4.9	58.7	54.9	52.1	2.78	19.731		
900.0	899.9	895.5	894.1	1.5	1.7	13.13	-6.3	66.6	60.1	57.0	3.05	19.711 SF		
1,000.0	999.8	994.0	992.0	1.7	1.9	14.42	-8.4	78.3	68.4	65.0	3.39	20.146		
1,100.0	1,099.7	1,092.3	1,089.2	1.9	2.2	15.45	-10.7	91.6	78.4	74.7	3.74	20.967		
1,200.0	1,199.7	1,190.1	1,185.9	2.1	2.5	16.24	-13.4	106.6	90.2	86.1	4.09	22.071		
1,300.0	1,299.6	1,287.6	1,281.9	2.3	2.8	16.84	-16.3	123.1	103.7	99.3	4.43	23.391		
1,400.0	1,399.5	1,384.5	1,377.1	2.5	3.2	17.29	-19.4	141.0	118.9	114.1	4.78	24.876		
1,500.0	1,499.4	1,481.0	1,471.5	2.6	3.6	17.62	-22.9	160.5	135.7	130.6	5.12	26.491		
1,600.0	1,599.4	1,576.8	1,565.0	2.8	4.0	17.86	-26.6	181.4	154.2	148.7	5.47	28.210		
1,700.0	1,699.3	1,672.0	1,657.5	3.0	4.4	18.03	-30.5	203.7	174.3	168.5	5.81	30.013		
1,800.0	1,799.2	1,766.6	1,748.9	3.2	4.8	18.15	-34.7	227.3	196.1	189.9	6.15	31.886		
1,900.0	1,899.1	1,860.9	1,839.7	3.4	5.3	18.23	-39.1	252.3	219.4	212.9	6.49	33.810		
2,000.0	1,999.0	1,958.5	1,933.6	3.6	5.8	18.05	-42.7	278.9	243.3	236.4	6.84	35.582		
2,100.0	2,099.0	2,056.2	2,027.6	3.8	6.3	17.53	-44.7	305.6	266.9	259.7	7.18	37.156		
2,200.0	2,198.9	2,153.9	2,121.5	3.9	6.8	16.77	-45.1	332.5	290.3	282.8	7.53	38.567		
2,300.0	2,298.8	2,251.2	2,215.0	4.1	7.3	15.89	-44.2	359.2	313.7	305.8	7.87	39.853		
2,400.0	2,398.7	2,348.3	2,308.4	4.3	7.8	15.13	-43.2	386.0	337.1	328.9	8.21	41.041		
2,500.0	2,498.7	2,445.4	2,401.7	4.5	8.3	14.47	-42.3	412.8	360.6	352.1	8.56	42.140		
2,600.0	2,598.6	2,542.6	2,495.1	4.7	8.8	13.88	-41.4	439.5	384.1	375.2	8.90	43.159		
2,700.0	2,698.5	2,639.7	2,588.5	4.9	9.3	13.37	-40.4	466.3	407.7	398.4	9.24	44.106		
2,800.0	2,798.4	2,736.8	2,681.8	5.1	9.8	12.91	-39.5	493.0	431.3	421.7	9.59	44.988		
2,900.0	2,898.4	2,833.9	2,775.2	5.2	10.3	12.50	-38.6	519.8	454.9	445.0	9.93	45.811		
3,000.0	2,998.3	2,931.1	2,868.6	5.4	10.8	12.13	-37.6	546.5	478.5	468.2	10.27	46.582		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Becky 2H-7H-E168 - Hz - Plan #2													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	1.0	1.0	0.0	0.0	78.68	7.3	36.4	37.1					
100.0	100.0	101.0	101.0	0.1	0.1	78.68	7.3	36.4	37.1	36.8	0.26	140.798		
166.3	166.3	167.3	167.3	0.2	0.2	78.68	7.3	36.4	37.1	36.6	0.50	74.951 CC		
200.0	200.0	201.0	201.0	0.3	0.3	78.68	7.3	36.4	37.1	36.5	0.61	60.572 ES		
300.0	300.0	300.4	300.3	0.5	0.5	78.94	7.3	37.3	38.0	37.0	0.96	39.494		
400.0	400.0	399.7	399.6	0.7	0.7	79.64	7.3	39.9	40.5	39.2	1.31	30.841		
500.0	500.0	498.8	498.7	0.8	0.8	80.63	7.3	44.2	44.8	43.2	1.68	26.753		
600.0	600.0	597.8	597.5	1.0	1.0	81.74	7.3	50.2	50.8	48.8	2.05	24.822		
700.0	700.0	696.7	696.0	1.2	1.3	-0.85	7.3	57.9	57.7	55.3	2.35	24.532		
800.0	800.0	795.4	794.3	1.4	1.5	0.16	7.3	67.3	64.5	61.8	2.70	23.913		
823.5	823.4	818.5	817.3	1.4	1.5	0.39	7.3	69.7	66.1	63.4	2.78	23.790		
900.0	899.9	893.9	892.2	1.5	1.7	1.12	7.3	78.4	71.9	68.8	3.05	23.599 SF		
1,000.0	999.8	992.2	989.7	1.7	2.0	1.99	7.3	91.1	80.9	77.5	3.39	23.846		
1,100.0	1,099.7	1,090.2	1,086.6	1.9	2.3	2.76	7.3	105.4	91.6	87.9	3.74	24.512		
1,200.0	1,199.7	1,187.7	1,182.8	2.1	2.6	3.41	7.3	121.3	104.1	100.0	4.08	25.487		
1,300.0	1,299.6	1,284.8	1,278.4	2.3	3.0	3.96	7.3	138.8	118.2	113.8	4.43	26.699		
1,400.0	1,399.5	1,381.4	1,373.1	2.5	3.3	4.41	7.3	157.8	134.0	129.2	4.77	28.093		
1,500.0	1,499.4	1,477.5	1,466.9	2.6	3.7	4.78	7.3	178.2	151.5	146.4	5.11	29.631		
1,600.0	1,599.4	1,573.0	1,559.9	2.8	4.1	5.09	7.3	200.1	170.6	165.1	5.45	31.285		
1,700.0	1,699.3	1,667.8	1,651.8	3.0	4.6	5.34	7.3	223.4	191.3	185.5	5.79	33.033		
1,800.0	1,799.2	1,761.9	1,742.7	3.2	5.0	5.55	7.3	248.0	213.7	207.6	6.13	34.858		
1,900.0	1,899.1	1,855.3	1,832.4	3.4	5.5	5.72	7.3	273.9	237.7	231.2	6.47	36.746		
2,000.0	1,999.0	1,948.4	1,921.4	3.6	6.0	5.87	7.3	301.1	263.2	256.4	6.80	38.682		
2,100.0	2,099.0	2,044.9	2,013.5	3.8	6.5	5.99	7.3	329.9	289.4	282.2	7.15	40.492		
2,200.0	2,198.9	2,141.4	2,105.6	3.9	7.1	6.09	7.3	358.8	315.5	308.0	7.49	42.137		
2,300.0	2,298.8	2,237.9	2,197.7	4.1	7.6	6.18	7.3	387.6	341.7	333.9	7.83	43.640		
2,400.0	2,398.7	2,334.4	2,289.8	4.3	8.1	6.26	7.3	416.5	367.9	359.7	8.17	45.016		
2,500.0	2,498.7	2,431.0	2,381.9	4.5	8.7	6.32	7.3	445.3	394.0	385.5	8.51	46.283		
2,600.0	2,598.6	2,527.5	2,474.0	4.7	9.2	6.38	7.3	474.2	420.2	411.3	8.86	47.452		
2,700.0	2,698.5	2,624.0	2,566.1	4.9	9.8	6.43	7.3	503.0	446.4	437.2	9.20	48.534		
2,800.0	2,798.4	2,720.5	2,658.2	5.1	10.3	6.47	7.3	531.9	472.5	463.0	9.54	49.539		
2,900.0	2,898.4	2,817.0	2,750.3	5.2	10.9	6.51	7.3	560.7	498.7	488.8	9.88	50.475		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2A-7H-E168 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		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	-90.44	-0.6	-75.2	75.2					
100.0	100.0	98.0	98.0	0.1	0.1	-90.44	-0.6	-75.2	75.2	74.9	0.26	290.035		
200.0	200.0	198.0	198.0	0.3	0.3	-90.44	-0.6	-75.2	75.2	74.6	0.61	123.765 CC, ES		
300.0	300.0	297.2	297.2	0.5	0.5	-89.97	0.0	-75.7	75.7	74.8	0.96	79.244		
400.0	400.0	396.2	396.2	0.7	0.7	-88.56	2.0	-77.4	77.4	76.1	1.31	59.287		
500.0	500.0	495.2	495.1	0.8	0.8	-86.33	5.1	-80.2	80.4	78.7	1.66	48.386		
600.0	600.0	594.0	593.7	1.0	1.0	-83.47	9.6	-84.1	84.7	82.7	2.03	41.835		
700.0	700.0	692.5	691.9	1.2	1.2	-164.02	15.4	-89.1	91.4	89.1	2.38	38.479		
800.0	800.0	790.6	789.5	1.4	1.5	-161.06	22.3	-95.2	101.4	98.7	2.74	37.045		
823.5	823.4	813.5	812.4	1.4	1.5	-160.42	24.1	-96.8	104.2	101.4	2.82	36.931		
900.0	899.9	888.6	887.0	1.5	1.7	-158.42	30.5	-102.3	114.1	111.0	3.10	36.805		
1,000.0	999.8	987.6	985.3	1.7	2.0	-156.20	39.1	-109.8	127.3	123.9	3.46	36.775 SF		
1,100.0	1,099.7	1,086.6	1,083.7	1.9	2.2	-154.41	47.6	-117.2	140.7	136.9	3.82	36.802		
1,200.0	1,199.7	1,185.7	1,182.0	2.1	2.5	-152.92	56.2	-124.7	154.3	150.1	4.19	36.860		
1,300.0	1,299.6	1,284.7	1,280.4	2.3	2.7	-151.68	64.7	-132.2	167.9	163.3	4.55	36.933		
1,400.0	1,399.5	1,383.7	1,378.8	2.5	3.0	-150.62	73.3	-139.7	181.6	176.7	4.91	37.012		
1,500.0	1,499.4	1,482.7	1,477.1	2.6	3.2	-149.71	81.8	-147.1	195.3	190.0	5.26	37.094		
1,600.0	1,599.4	1,581.7	1,575.5	2.8	3.5	-148.92	90.4	-154.6	209.1	203.4	5.62	37.174		
1,700.0	1,699.3	1,680.7	1,673.8	3.0	3.8	-148.23	98.9	-162.1	222.9	216.9	5.98	37.252		
1,800.0	1,799.2	1,779.7	1,772.2	3.2	4.0	-147.62	107.5	-169.5	236.7	230.4	6.34	37.326		
1,900.0	1,899.1	1,878.7	1,870.5	3.4	4.3	-147.08	116.1	-177.0	250.6	243.9	6.70	37.397		
2,000.0	1,999.0	1,977.7	1,968.9	3.6	4.5	-146.59	124.6	-184.5	264.4	257.4	7.06	37.464		
2,100.0	2,099.0	2,076.7	2,067.2	3.8	4.8	-146.15	133.2	-192.0	278.3	270.9	7.42	37.527		
2,200.0	2,198.9	2,175.7	2,165.6	3.9	5.1	-145.75	141.7	-199.4	292.2	284.5	7.77	37.586		
2,300.0	2,298.8	2,274.7	2,263.9	4.1	5.3	-145.39	150.3	-206.9	306.1	298.0	8.13	37.643		
2,400.0	2,398.7	2,373.8	2,362.3	4.3	5.6	-145.06	158.8	-214.4	320.1	311.6	8.49	37.695		
2,500.0	2,498.7	2,472.8	2,460.7	4.5	5.9	-144.76	167.4	-221.8	334.0	325.2	8.85	37.745		
2,600.0	2,598.6	2,571.8	2,559.0	4.7	6.1	-144.49	175.9	-229.3	348.0	338.8	9.21	37.792		
2,700.0	2,698.5	2,670.8	2,657.4	4.9	6.4	-144.23	184.5	-236.8	361.9	352.4	9.57	37.836		
2,800.0	2,798.4	2,769.8	2,755.7	5.1	6.6	-143.99	193.1	-244.3	375.9	366.0	9.92	37.878		
2,900.0	2,898.4	2,868.8	2,854.1	5.2	6.9	-143.77	201.6	-251.7	389.9	379.6	10.28	37.917		
3,000.0	2,998.3	2,967.8	2,952.4	5.4	7.2	-143.57	210.2	-259.2	403.8	393.2	10.64	37.955		
3,100.0	3,098.2	3,066.8	3,050.8	5.6	7.4	-143.38	218.7	-266.7	417.8	406.8	11.00	37.990		
3,200.0	3,198.1	3,165.8	3,149.1	5.8	7.7	-143.20	227.3	-274.1	431.8	420.4	11.36	38.023		
3,300.0	3,298.1	3,264.8	3,247.5	6.0	8.0	-143.03	235.8	-281.6	445.8	434.1	11.71	38.055		
3,400.0	3,398.0	3,363.8	3,345.9	6.2	8.2	-142.87	244.4	-289.1	459.8	447.7	12.07	38.086		
3,500.0	3,497.9	3,462.9	3,444.2	6.4	8.5	-142.72	253.0	-296.6	473.8	461.3	12.43	38.114		
3,600.0	3,597.8	3,561.9	3,542.6	6.6	8.7	-142.58	261.5	-304.0	487.8	475.0	12.79	38.142		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2B-7H-E168 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-85.60	5.4	-70.1	70.4					
100.0	100.0	98.0	98.0	0.1	0.1	-85.60	5.4	-70.1	70.3	70.1	0.26	271.417		
200.0	200.0	198.0	198.0	0.3	0.3	-85.60	5.4	-70.1	70.3	69.7	0.61	115.820		
300.0	300.0	298.0	298.0	0.5	0.5	-85.60	5.4	-70.1	70.3	69.4	0.96	73.550 CC		
400.0	400.0	397.6	397.6	0.7	0.7	-84.97	6.2	-70.4	70.6	69.3	1.30	54.135 ES		
500.0	500.0	497.1	497.0	0.8	0.8	-83.06	8.7	-71.1	71.6	69.9	1.65	43.287		
600.0	600.0	596.5	596.3	1.0	1.0	-79.98	12.8	-72.2	73.4	71.4	2.01	36.590		
700.0	700.0	695.7	695.3	1.2	1.2	-159.81	18.5	-73.9	77.0	74.7	2.38	32.413		
800.0	800.0	794.6	793.9	1.4	1.4	-155.81	25.9	-76.0	83.6	80.8	2.75	30.432		
823.5	823.4	817.7	817.0	1.4	1.5	-154.90	27.9	-76.6	85.5	82.7	2.83	30.192		
900.0	899.9	893.8	892.8	1.5	1.6	-152.16	34.5	-78.4	92.3	89.1	3.12	29.589		
1,000.0	999.8	993.3	991.9	1.7	1.9	-149.15	43.1	-80.9	101.3	97.8	3.49	29.031		
1,100.0	1,099.7	1,092.8	1,090.9	1.9	2.1	-146.63	51.7	-83.4	110.6	106.8	3.86	28.645		
1,200.0	1,199.7	1,192.2	1,190.0	2.1	2.3	-144.50	60.3	-85.8	120.1	115.9	4.23	28.375		
1,300.0	1,299.6	1,291.7	1,289.0	2.3	2.5	-142.69	68.9	-88.3	129.7	125.1	4.60	28.183		
1,400.0	1,399.5	1,391.1	1,388.1	2.5	2.8	-141.13	77.6	-90.8	139.4	134.5	4.97	28.045		
1,500.0	1,499.4	1,490.6	1,487.2	2.6	3.0	-139.77	86.2	-93.2	149.3	143.9	5.34	27.945		
1,600.0	1,599.4	1,590.1	1,586.2	2.8	3.2	-138.58	94.8	-95.7	159.1	153.4	5.71	27.873		
1,700.0	1,699.3	1,689.5	1,685.3	3.0	3.4	-137.54	103.4	-98.1	169.1	163.0	6.08	27.821		
1,800.0	1,799.2	1,789.0	1,784.3	3.2	3.7	-136.60	112.0	-100.6	179.1	172.7	6.45	27.784		
1,900.0	1,899.1	1,888.4	1,883.4	3.4	3.9	-135.77	120.6	-103.1	189.1	182.3	6.81	27.758		
2,000.0	1,999.0	1,987.9	1,982.4	3.6	4.1	-135.02	129.3	-105.5	199.2	192.0	7.18	27.741		
2,100.0	2,099.0	2,087.3	2,081.5	3.8	4.4	-134.34	137.9	-108.0	209.3	201.8	7.55	27.730		
2,200.0	2,198.9	2,186.8	2,180.5	3.9	4.6	-133.73	146.5	-110.5	219.5	211.5	7.92	27.723		
2,300.0	2,298.8	2,286.3	2,279.6	4.1	4.8	-133.17	155.1	-112.9	229.6	221.3	8.28	27.721 SF		
2,400.0	2,398.7	2,385.7	2,378.6	4.3	5.1	-132.65	163.7	-115.4	239.8	231.1	8.65	27.721		
2,500.0	2,498.7	2,485.2	2,477.7	4.5	5.3	-132.18	172.3	-117.8	250.0	241.0	9.02	27.723		
2,600.0	2,598.6	2,584.6	2,576.7	4.7	5.5	-131.75	181.0	-120.3	260.2	250.8	9.38	27.727		
2,700.0	2,698.5	2,684.1	2,675.8	4.9	5.8	-131.35	189.6	-122.8	270.4	260.7	9.75	27.732		
2,800.0	2,798.4	2,783.6	2,774.9	5.1	6.0	-130.97	198.2	-125.2	280.7	270.5	10.12	27.739		
2,900.0	2,898.4	2,883.0	2,873.9	5.2	6.2	-130.63	206.8	-127.7	290.9	280.4	10.49	27.746		
3,000.0	2,998.3	2,982.5	2,973.0	5.4	6.5	-130.30	215.4	-130.2	301.2	290.3	10.85	27.753		
3,100.0	3,098.2	3,081.9	3,072.0	5.6	6.7	-130.00	224.0	-132.6	311.4	300.2	11.22	27.761		
3,200.0	3,198.1	3,181.4	3,171.1	5.8	6.9	-129.72	232.7	-135.1	321.7	310.1	11.59	27.769		
3,300.0	3,298.1	3,280.8	3,270.1	6.0	7.2	-129.46	241.3	-137.5	332.0	320.0	11.95	27.777		
3,400.0	3,398.0	3,380.3	3,369.2	6.2	7.4	-129.21	249.9	-140.0	342.3	330.0	12.32	27.786		
3,500.0	3,497.9	3,479.8	3,468.2	6.4	7.6	-128.97	258.5	-142.5	352.6	339.9	12.69	27.794		
3,600.0	3,597.8	3,579.2	3,567.3	6.6	7.9	-128.75	267.1	-144.9	362.9	349.8	13.05	27.803		
3,700.0	3,697.8	3,678.7	3,666.3	6.7	8.1	-128.54	275.8	-147.4	373.2	359.8	13.42	27.811		
3,800.0	3,797.7	3,778.1	3,765.4	6.9	8.3	-128.35	284.4	-149.9	383.5	369.7	13.78	27.819		
3,900.0	3,897.6	3,877.6	3,864.4	7.1	8.6	-128.16	293.0	-152.3	393.8	379.7	14.15	27.828		
4,000.0	3,997.5	3,977.1	3,963.5	7.3	8.8	-127.98	301.6	-154.8	404.1	389.6	14.52	27.836		
4,100.0	4,097.5	4,076.5	4,062.6	7.5	9.0	-127.81	310.2	-157.3	414.4	399.6	14.88	27.844		
4,200.0	4,197.4	4,176.0	4,161.6	7.7	9.3	-127.65	318.8	-159.7	424.8	409.5	15.25	27.851		
4,300.0	4,297.3	4,275.4	4,260.7	7.9	9.5	-127.50	327.5	-162.2	435.1	419.5	15.62	27.859		
4,400.0	4,397.2	4,374.9	4,359.7	8.0	9.7	-127.35	336.1	-164.6	445.4	429.4	15.98	27.866		
4,500.0	4,497.1	4,474.4	4,458.8	8.2	10.0	-127.21	344.7	-167.1	455.8	439.4	16.35	27.874		
4,600.0	4,597.1	4,573.8	4,557.8	8.4	10.2	-127.08	353.3	-169.6	466.1	449.4	16.72	27.881		
4,700.0	4,697.0	4,673.3	4,656.9	8.6	10.4	-126.95	361.9	-172.0	476.4	459.3	17.08	27.888		
4,800.0	4,796.9	4,772.7	4,755.9	8.8	10.7	-126.83	370.5	-174.5	486.8	469.3	17.45	27.895		
4,900.0	4,896.8	4,872.2	4,855.0	9.0	10.9	-126.72	379.2	-177.0	497.1	479.3	17.82	27.902		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2C-7H-E168 - HZ - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-90.55	-0.6	-65.2	65.2					
100.0	100.0	98.0	98.0	0.1	0.1	-90.55	-0.6	-65.2	65.2	64.9	0.26	251.455		
200.0	200.0	198.0	198.0	0.3	0.3	-90.55	-0.6	-65.2	65.2	64.6	0.61	107.302		
300.0	300.0	298.0	298.0	0.5	0.5	-90.55	-0.6	-65.2	65.2	64.2	0.96	68.141		
400.0	400.0	398.0	398.0	0.7	0.7	-90.55	-0.6	-65.2	65.2	63.9	1.31	49.921		
500.0	500.0	498.3	498.3	0.8	0.8	-89.84	0.2	-64.9	64.9	63.3	1.66	39.235		
600.0	600.0	598.6	598.5	1.0	1.0	-87.61	2.7	-64.2	64.3	62.3	2.00	32.066	CC, ES	
652.2	652.2	650.8	650.8	1.1	1.1	-169.53	4.6	-63.7	64.1	61.9	2.20	29.178		
700.0	700.0	698.7	698.6	1.2	1.2	-167.63	6.9	-63.0	64.3	61.9	2.37	27.144		
800.0	800.0	798.7	798.4	1.4	1.4	-162.90	12.7	-61.4	66.0	63.3	2.74	24.123		
823.5	823.4	822.1	821.8	1.4	1.4	-161.68	14.3	-60.9	66.7	63.9	2.83	23.605		
900.0	899.9	898.5	897.9	1.5	1.6	-157.40	20.2	-59.2	69.3	66.2	3.12	22.221		
1,000.0	999.8	998.1	997.1	1.7	1.8	-151.44	28.9	-56.7	73.3	69.8	3.51	20.901		
1,100.0	1,099.7	1,097.8	1,096.3	1.9	2.0	-146.10	37.8	-54.2	78.1	74.2	3.90	20.016		
1,200.0	1,199.7	1,197.4	1,195.5	2.1	2.2	-141.41	46.6	-51.7	83.5	79.2	4.30	19.433		
1,300.0	1,299.6	1,297.0	1,294.7	2.3	2.5	-137.30	55.4	-49.2	89.3	84.7	4.69	19.057		
1,400.0	1,399.5	1,396.7	1,393.9	2.5	2.7	-133.72	64.2	-46.7	95.6	90.5	5.08	18.824		
1,500.0	1,499.4	1,496.3	1,493.1	2.6	2.9	-130.58	73.0	-44.1	102.2	96.7	5.47	18.691		
1,600.0	1,599.4	1,595.9	1,592.4	2.8	3.2	-127.84	81.8	-41.6	109.1	103.2	5.86	18.627		
1,700.0	1,699.3	1,695.6	1,691.6	3.0	3.4	-125.42	90.6	-39.1	116.1	109.9	6.24	18.612		
1,800.0	1,799.2	1,795.2	1,790.8	3.2	3.6	-123.28	99.5	-36.6	123.4	116.8	6.62	18.630		
1,900.0	1,899.1	1,894.8	1,890.0	3.4	3.9	-121.38	108.3	-34.1	130.8	123.8	7.01	18.671		
2,000.0	1,999.0	1,994.5	1,989.2	3.6	4.1	-119.69	117.1	-31.6	138.4	131.0	7.39	18.729		
2,100.0	2,099.0	2,094.1	2,088.4	3.8	4.3	-118.17	125.9	-29.0	146.0	138.2	7.77	18.797		
2,200.0	2,198.9	2,193.7	2,187.6	3.9	4.6	-116.80	134.7	-26.5	153.8	145.6	8.15	18.872		
2,300.0	2,298.8	2,293.4	2,286.8	4.1	4.8	-115.57	143.5	-24.0	161.6	153.0	8.53	18.950		
2,400.0	2,398.7	2,393.0	2,386.1	4.3	5.0	-114.45	152.3	-21.5	169.5	160.6	8.90	19.032		
2,500.0	2,498.7	2,492.7	2,485.3	4.5	5.3	-113.43	161.2	-19.0	177.4	168.1	9.28	19.114		
2,600.0	2,598.6	2,592.3	2,584.5	4.7	5.5	-112.50	170.0	-16.5	185.4	175.8	9.66	19.195		
2,700.0	2,698.5	2,691.9	2,683.7	4.9	5.7	-111.64	178.8	-13.9	193.5	183.4	10.04	19.276		
2,800.0	2,798.4	2,791.6	2,782.9	5.1	6.0	-110.86	187.6	-11.4	201.5	191.1	10.41	19.355		
2,900.0	2,898.4	2,891.2	2,882.1	5.2	6.2	-110.13	196.4	-8.9	209.7	198.9	10.79	19.433		
3,000.0	2,998.3	2,990.8	2,981.3	5.4	6.4	-109.46	205.2	-6.4	217.8	206.6	11.16	19.509		
3,100.0	3,098.2	3,090.5	3,080.6	5.6	6.7	-108.83	214.0	-3.9	226.0	214.4	11.54	19.582		
3,200.0	3,198.1	3,190.1	3,179.8	5.8	6.9	-108.25	222.9	-1.4	234.2	222.3	11.92	19.653		
3,300.0	3,298.1	3,289.7	3,279.0	6.0	7.1	-107.71	231.7	1.2	242.4	230.1	12.29	19.722		
3,400.0	3,398.0	3,389.4	3,378.2	6.2	7.4	-107.21	240.5	3.7	250.6	238.0	12.67	19.789		
3,500.0	3,497.9	3,489.0	3,477.4	6.4	7.6	-106.74	249.3	6.2	258.9	245.9	13.04	19.853		
3,600.0	3,597.8	3,588.7	3,576.6	6.6	7.8	-106.29	258.1	8.7	267.2	253.8	13.42	19.915		
3,700.0	3,697.8	3,688.3	3,675.8	6.7	8.1	-105.88	266.9	11.2	275.5	261.7	13.79	19.975		
3,800.0	3,797.7	3,787.9	3,775.1	6.9	8.3	-105.48	275.7	13.7	283.8	269.6	14.17	20.033		
3,900.0	3,897.6	3,887.6	3,874.3	7.1	8.5	-105.11	284.5	16.3	292.1	277.6	14.54	20.089		
4,000.0	3,997.5	3,987.2	3,973.5	7.3	8.8	-104.76	293.4	18.8	300.4	285.5	14.91	20.143		
4,100.0	4,097.5	4,086.8	4,072.7	7.5	9.0	-104.43	302.2	21.3	308.8	293.5	15.29	20.196		
4,200.0	4,197.4	4,186.5	4,171.9	7.7	9.3	-104.12	311.0	23.8	317.1	301.5	15.66	20.246		
4,300.0	4,297.3	4,286.1	4,271.1	7.9	9.5	-103.82	319.8	26.3	325.5	309.4	16.04	20.295		
4,400.0	4,397.2	4,385.7	4,370.3	8.0	9.7	-103.54	328.6	28.8	333.8	317.4	16.41	20.342		
4,500.0	4,497.1	4,485.4	4,469.5	8.2	10.0	-103.27	337.4	31.4	342.2	325.4	16.79	20.387		
4,600.0	4,597.1	4,585.0	4,568.8	8.4	10.2	-103.01	346.2	33.9	350.6	333.4	17.16	20.431		
4,700.0	4,697.0	4,684.7	4,668.0	8.6	10.4	-102.77	355.1	36.4	359.0	341.5	17.53	20.473		
4,800.0	4,796.9	4,784.3	4,767.2	8.8	10.7	-102.54	363.9	38.9	367.4	349.5	17.91	20.514		
4,900.0	4,896.8	4,883.9	4,866.4	9.0	10.9	-102.32	372.7	41.4	375.8	357.5	18.28	20.554		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2C-7H-E168 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Separation	
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	Warning
5,000.0	4,996.8	4,983.6	4,965.6	9.2	11.1	-102.10	381.5	43.9	384.2	365.5	18.66	20.593		
5,100.0	5,096.7	5,083.2	5,064.8	9.4	11.4	-101.90	390.3	46.5	392.6	373.6	19.03	20.630		
5,200.0	5,196.6	5,182.8	5,164.0	9.5	11.6	-101.70	399.1	49.0	401.0	381.6	19.41	20.666		
5,300.0	5,296.5	5,282.5	5,263.3	9.7	11.8	-101.52	407.9	51.5	409.4	389.7	19.78	20.701		
5,400.0	5,396.5	5,382.1	5,362.5	9.9	12.1	-101.34	416.8	54.0	417.9	397.7	20.15	20.735		
5,500.0	5,496.4	5,481.7	5,461.7	10.1	12.3	-101.17	425.6	56.5	426.3	405.8	20.53	20.768		
5,600.0	5,596.3	5,581.4	5,560.9	10.3	12.6	-101.00	434.4	59.0	434.7	413.8	20.90	20.799		
5,700.0	5,696.2	5,681.0	5,660.1	10.5	12.8	-100.84	443.2	61.6	443.2	421.9	21.28	20.830		
5,800.0	5,796.2	5,780.6	5,759.3	10.7	13.0	-100.69	452.0	64.1	451.6	430.0	21.65	20.860		
5,900.0	5,896.1	5,880.3	5,858.5	10.9	13.3	-100.54	460.8	66.6	460.0	438.0	22.02	20.890		
6,000.0	5,996.0	5,979.9	5,957.8	11.0	13.5	-100.40	469.6	69.1	468.5	446.1	22.40	20.918		
6,100.0	6,095.9	6,079.6	6,057.0	11.2	13.7	-100.26	478.5	71.6	476.9	454.2	22.77	20.946		
6,200.0	6,195.9	6,179.2	6,156.2	11.4	14.0	-100.13	487.3	74.2	485.4	462.2	23.14	20.972		
6,300.0	6,295.8	6,278.8	6,255.4	11.6	14.2	-100.00	496.1	76.7	493.8	470.3	23.52	20.998		
7,300.0	7,295.0	7,277.2	7,242.9	13.5	14.4	-89.35	138.6	114.4	483.7	456.6	27.13	17.828		
7,350.0	7,344.5	7,295.6	7,246.9	13.6	14.4	-97.02	120.6	114.5	436.9	410.1	26.88	16.252		
7,400.0	7,393.2	7,293.7	7,246.5	13.7	14.4	-104.47	122.5	114.5	390.7	363.8	26.85	14.550		
7,450.0	7,440.8	7,293.1	7,244.2	13.8	14.4	-108.98	132.9	114.4	345.6	318.8	26.86	12.869		
7,500.0	7,487.0	7,292.9	7,240.6	13.9	14.4	-111.05	147.6	114.3	302.3	275.5	26.86	11.257		
7,550.0	7,531.2	7,290.0	7,235.8	14.1	14.4	-111.16	164.8	114.2	261.5	234.7	26.88	9.730		
7,600.0	7,573.3	7,290.5	7,230.0	14.2	14.4	-109.57	183.5	114.1	224.5	197.5	27.01	8.310		
7,650.0	7,612.9	7,290.8	7,223.2	14.4	14.5	-106.39	203.0	113.9	192.8	165.5	27.28	7.066		
7,700.0	7,649.7	7,288.3	7,215.3	14.7	14.5	-101.64	223.0	113.7	168.9	141.1	27.72	6.091		
7,750.0	7,683.4	7,286.2	7,206.5	14.9	14.6	-95.38	243.2	113.5	155.7	127.4	28.30	5.502		
7,777.0	7,700.3	7,285.1	7,201.3	15.1	14.6	-91.41	254.2	113.3	153.8	125.2	28.62	5.374 SF		
7,800.0	7,713.8	7,283.7	7,196.7	15.2	14.6	-87.76	263.5	113.2	155.1	126.3	28.86	5.376		
7,850.0	7,740.6	7,280.8	7,185.9	15.6	14.7	-79.20	283.7	113.0	166.5	137.3	29.17	5.706		
7,900.0	7,763.6	7,280.0	7,175.4	16.0	14.8	-70.91	301.6	112.7	186.7	157.6	29.07	6.422		
7,950.0	7,782.7	7,274.3	7,161.6	16.4	14.9	-61.65	323.2	112.3	212.5	184.2	28.36	7.494		
8,000.0	7,797.6	7,270.0	7,147.5	16.9	15.0	-53.67	343.2	112.0	241.5	214.2	27.24	8.866		
8,050.0	7,808.4	7,272.2	7,133.6	17.4	15.1	-47.04	361.3	111.6	271.9	245.9	25.94	10.481		
8,100.0	7,814.9	7,270.0	7,116.2	17.9	15.2	-40.97	382.1	111.2	302.7	278.2	24.49	12.362		
8,149.4	7,817.0	7,269.8	7,102.6	18.5	15.2	-36.70	397.0	110.8	332.9	309.6	23.36	14.253		
8,200.0	7,817.0	7,265.0	7,081.6	19.1	15.4	-34.18	418.1	110.3	364.7	341.7	23.04	15.831		
8,300.0	7,817.0	7,215.6	7,056.0	20.3	15.5	-31.50	441.1	109.7	432.7	409.7	22.97	18.833		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2D-7H-E168 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-84.92	5.3	-60.1	60.4					
100.0	100.0	98.0	98.0	0.1	0.1	-84.92	5.3	-60.1	60.4	60.1	0.26	232.950		
200.0	200.0	198.0	198.0	0.3	0.3	-84.92	5.3	-60.1	60.4	59.8	0.61	99.406		
300.0	300.0	298.0	298.0	0.5	0.5	-84.92	5.3	-60.1	60.4	59.4	0.96	63.126		
400.0	400.0	398.0	398.0	0.7	0.7	-84.92	5.3	-60.1	60.4	59.1	1.31	46.248		
500.0	500.0	498.0	498.0	0.8	0.8	-84.92	5.3	-60.1	60.4	58.7	1.65	36.491		
600.0	600.0	598.6	598.6	1.0	1.0	-84.25	6.0	-59.6	59.9	57.9	2.00	29.887		
700.0	700.0	699.1	699.1	1.2	1.2	-165.98	8.0	-58.0	59.4	57.0	2.36	25.198		
710.3	710.3	709.5	709.4	1.2	1.2	-165.72	8.3	-57.7	59.4	57.0	2.39	24.809 CC, ES		
800.0	800.0	799.6	799.4	1.4	1.4	-162.99	11.5	-55.3	59.8	57.1	2.71	22.028		
823.5	823.4	823.1	823.0	1.4	1.4	-162.15	12.5	-54.5	60.0	57.2	2.80	21.441		
900.0	899.9	899.9	899.6	1.5	1.6	-158.95	16.2	-51.4	60.7	57.7	3.08	19.725		
1,000.0	999.8	1,000.2	999.5	1.7	1.8	-153.55	22.4	-46.5	61.5	58.0	3.46	17.765		
1,100.0	1,099.7	1,100.2	1,099.1	1.9	2.0	-146.77	29.9	-40.5	62.3	58.5	3.86	16.148		
1,200.0	1,199.7	1,199.9	1,198.2	2.1	2.2	-138.84	38.6	-33.6	63.9	59.7	4.28	14.938		
1,300.0	1,299.6	1,299.5	1,297.1	2.3	2.5	-131.15	47.6	-26.4	66.7	62.0	4.70	14.180		
1,400.0	1,399.5	1,399.0	1,396.0	2.5	2.7	-124.18	56.6	-19.2	70.6	65.4	5.13	13.769		
1,500.0	1,499.4	1,498.6	1,494.9	2.6	2.9	-118.01	65.5	-12.0	75.4	69.8	5.54	13.603		
1,600.0	1,599.4	1,598.2	1,593.8	2.8	3.2	-112.63	74.5	-4.9	81.0	75.0	5.95	13.608		
1,700.0	1,699.3	1,697.7	1,692.7	3.0	3.5	-107.97	83.5	2.3	87.1	80.8	6.35	13.727		
1,800.0	1,799.2	1,797.3	1,791.6	3.2	3.7	-103.95	92.5	9.5	93.8	87.1	6.74	13.919		
1,900.0	1,899.1	1,896.9	1,890.5	3.4	4.0	-100.48	101.4	16.7	100.9	93.8	7.13	14.157		
2,000.0	1,999.0	1,996.5	1,989.4	3.6	4.2	-97.48	110.4	23.8	108.3	100.8	7.51	14.422		
2,100.0	2,099.0	2,096.0	2,088.3	3.8	4.5	-94.86	119.4	31.0	116.0	108.1	7.89	14.701		
2,200.0	2,198.9	2,195.6	2,187.2	3.9	4.7	-92.57	128.4	38.2	123.9	115.6	8.27	14.984		
2,300.0	2,298.8	2,295.2	2,286.1	4.1	5.0	-90.56	137.4	45.4	132.0	123.3	8.64	15.266		
2,400.0	2,398.7	2,394.8	2,385.1	4.3	5.3	-88.78	146.3	52.5	140.2	131.1	9.02	15.544		
2,500.0	2,498.7	2,494.3	2,484.0	4.5	5.5	-87.20	155.3	59.7	148.5	139.1	9.39	15.814		
2,600.0	2,598.6	2,593.9	2,582.9	4.7	5.8	-85.78	164.3	66.9	156.9	147.1	9.76	16.076		
2,700.0	2,698.5	2,693.5	2,681.8	4.9	6.0	-84.52	173.3	74.1	165.4	155.3	10.13	16.328		
2,800.0	2,798.4	2,793.1	2,780.7	5.1	6.3	-83.37	182.2	81.2	174.0	163.5	10.50	16.570		
2,900.0	2,898.4	2,892.6	2,879.6	5.2	6.6	-82.33	191.2	88.4	182.6	171.7	10.87	16.803		
3,000.0	2,998.3	2,992.2	2,978.5	5.4	6.8	-81.39	200.2	95.6	191.3	180.1	11.24	17.025		
3,100.0	3,098.2	3,091.8	3,077.4	5.6	7.1	-80.53	209.2	102.8	200.0	188.4	11.61	17.237		
3,200.0	3,198.1	3,191.4	3,176.3	5.8	7.4	-79.74	218.1	109.9	208.8	196.9	11.97	17.440		
3,300.0	3,298.1	3,290.9	3,275.2	6.0	7.6	-79.02	227.1	117.1	217.6	205.3	12.34	17.635		
3,400.0	3,398.0	3,390.5	3,374.1	6.2	7.9	-78.35	236.1	124.3	226.5	213.8	12.71	17.820		
3,500.0	3,497.9	3,490.1	3,473.1	6.4	8.2	-77.73	245.1	131.5	235.4	222.3	13.08	17.998		
3,600.0	3,597.8	3,589.7	3,572.0	6.6	8.4	-77.16	254.1	138.6	244.3	230.8	13.45	18.168		
3,700.0	3,697.8	3,689.2	3,670.9	6.7	8.7	-76.63	263.0	145.8	253.2	239.4	13.81	18.330		
3,800.0	3,797.7	3,788.8	3,769.8	6.9	8.9	-76.13	272.0	153.0	262.2	248.0	14.18	18.486		
3,900.0	3,897.6	3,888.4	3,868.7	7.1	9.2	-75.67	281.0	160.2	271.1	256.6	14.55	18.635		
4,000.0	3,997.5	3,988.0	3,967.6	7.3	9.5	-75.23	290.0	167.3	280.1	265.2	14.92	18.777		
4,100.0	4,097.5	4,087.5	4,066.5	7.5	9.7	-74.83	298.9	174.5	289.1	273.8	15.28	18.914		
4,200.0	4,197.4	4,187.1	4,165.4	7.7	10.0	-74.44	307.9	181.7	298.1	282.4	15.65	19.045		
4,300.0	4,297.3	4,286.7	4,264.3	7.9	10.3	-74.08	316.9	188.9	307.1	291.1	16.02	19.172		
4,400.0	4,397.2	4,386.3	4,363.2	8.0	10.5	-73.74	325.9	196.0	316.2	299.8	16.39	19.293		
4,500.0	4,497.1	4,485.8	4,462.1	8.2	10.8	-73.42	334.9	203.2	325.2	308.4	16.75	19.409		
4,600.0	4,597.1	4,585.4	4,561.1	8.4	11.1	-73.12	343.8	210.4	334.3	317.1	17.12	19.521		
4,700.0	4,697.0	4,685.0	4,660.0	8.6	11.3	-72.83	352.8	217.6	343.3	325.8	17.49	19.629		
4,800.0	4,796.9	4,784.5	4,758.9	8.8	11.6	-72.56	361.8	224.7	352.4	334.5	17.86	19.732		
4,900.0	4,896.8	4,884.1	4,857.8	9.0	11.9	-72.30	370.8	231.9	361.5	343.2	18.23	19.832		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2D-7H-E168 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,000.0	4,996.8	4,983.7	4,956.7	9.2	12.1	-72.06	379.7	239.1	370.5	352.0	18.59	19.929		
5,100.0	5,096.7	5,083.3	5,055.6	9.4	12.4	-71.82	388.7	246.3	379.6	360.7	18.96	20.022		
5,200.0	5,196.6	5,182.8	5,154.5	9.5	12.6	-71.60	397.7	253.4	388.7	369.4	19.33	20.112		
5,300.0	5,296.5	5,282.4	5,253.4	9.7	12.9	-71.39	406.7	260.6	397.8	378.1	19.70	20.198		
5,400.0	5,396.5	5,382.0	5,352.3	9.9	13.2	-71.18	415.6	267.8	406.9	386.9	20.06	20.282		
5,500.0	5,496.4	5,481.6	5,451.2	10.1	13.4	-70.99	424.6	275.0	416.1	395.6	20.43	20.363		
5,600.0	5,596.3	5,581.1	5,550.1	10.3	13.7	-70.80	433.6	282.1	425.2	404.4	20.80	20.441		
5,700.0	5,696.2	5,680.7	5,649.0	10.5	14.0	-70.62	442.6	289.3	434.3	413.1	21.17	20.517		
5,800.0	5,796.2	5,780.3	5,748.0	10.7	14.2	-70.45	451.6	296.5	443.4	421.9	21.54	20.590		
5,900.0	5,896.1	5,879.9	5,846.9	10.9	14.5	-70.29	460.5	303.7	452.5	430.6	21.90	20.661		
6,000.0	5,996.0	5,979.4	5,945.8	11.0	14.8	-70.13	469.5	310.8	461.7	439.4	22.27	20.730		
6,100.0	6,095.9	6,079.0	6,044.7	11.2	15.0	-69.98	478.5	318.0	470.8	448.2	22.64	20.797		
6,200.0	6,195.9	6,178.6	6,143.6	11.4	15.3	-69.83	487.5	325.2	480.0	456.9	23.01	20.862		
6,300.0	6,295.8	6,278.2	6,242.5	11.6	15.6	-69.69	496.4	332.4	489.1	465.7	23.37	20.924		
6,400.0	6,395.7	6,377.7	6,341.4	11.8	15.8	-69.56	505.4	339.5	498.2	474.5	23.74	20.985		
7,300.0	7,295.0	7,990.1	7,742.2	13.5	16.6	43.71	144.8	441.2	499.5	472.7	26.77	18.660		
7,350.0	7,344.5	8,011.6	7,747.0	13.6	16.6	73.90	123.9	441.5	453.0	426.2	26.78	16.913		
7,400.0	7,393.2	8,009.5	7,746.5	13.7	16.6	88.79	126.0	441.5	407.1	379.9	27.13	15.002		
7,450.0	7,440.8	7,998.2	7,744.1	13.8	16.6	96.91	137.0	441.3	362.5	335.0	27.47	13.196		
7,500.0	7,487.0	7,982.2	7,740.2	13.9	16.6	101.18	152.5	441.0	319.7	292.0	27.71	11.537		
7,550.0	7,531.2	7,963.7	7,735.3	14.1	16.6	102.86	170.3	440.6	279.6	251.7	27.88	10.028		
7,600.0	7,573.3	7,943.6	7,729.2	14.2	16.6	102.54	189.5	440.2	243.2	215.1	28.02	8.678		
7,650.0	7,612.9	7,922.4	7,722.1	14.4	16.7	100.52	209.4	439.7	212.0	183.8	28.18	7.524		
7,700.0	7,649.7	7,900.5	7,714.0	14.7	16.7	96.93	229.8	439.1	188.1	159.8	28.36	6.635		
7,750.0	7,683.4	7,878.1	7,704.9	14.9	16.7	91.86	250.3	438.4	174.0	145.5	28.55	6.094		
7,786.8	7,706.1	7,861.3	7,697.5	15.2	16.8	87.27	265.4	437.9	170.8	142.2	28.67	5.959 SF		
7,800.0	7,713.8	7,855.2	7,694.8	15.2	16.8	85.47	270.8	437.7	171.2	142.6	28.69	5.969		
7,850.0	7,740.6	7,832.0	7,683.7	15.6	16.8	78.05	291.1	436.9	179.6	150.9	28.65	6.268		
7,900.0	7,763.6	7,808.6	7,671.7	16.0	16.9	70.06	311.2	436.0	196.9	168.5	28.32	6.950		
7,950.0	7,782.7	7,785.0	7,658.8	16.4	17.0	62.03	330.9	435.1	220.2	192.5	27.68	7.955		
8,000.0	7,797.6	7,761.3	7,645.0	16.9	17.1	54.45	350.2	434.1	247.3	220.5	26.80	9.227		
8,050.0	7,808.4	7,737.4	7,630.4	17.4	17.1	47.64	369.1	433.0	276.3	250.5	25.82	10.700		
8,100.0	7,814.9	7,713.4	7,614.9	17.9	17.2	41.74	387.3	431.9	306.1	281.2	24.91	12.290		
8,149.4	7,817.0	7,689.6	7,598.8	18.5	17.3	36.78	404.8	430.7	335.7	311.5	24.19	13.874		
8,200.0	7,817.0	7,666.2	7,582.2	19.1	17.4	34.63	421.3	429.5	366.8	342.9	23.96	15.308		
8,300.0	7,817.0	7,625.2	7,551.6	20.3	17.5	31.12	448.5	427.3	434.1	410.4	23.63	18.371		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2E-7H-E168 - HZ - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-90.93	-0.7	-45.2	45.2					
100.0	100.0	98.0	98.0	0.1	0.1	-90.93	-0.7	-45.2	45.2	44.9	0.26	174.301		
200.0	200.0	198.0	198.0	0.3	0.3	-90.93	-0.7	-45.2	45.2	44.6	0.61	74.379		
300.0	300.0	298.0	298.0	0.5	0.5	-90.93	-0.7	-45.2	45.2	44.2	0.96	47.233		
400.0	400.0	398.0	398.0	0.7	0.7	-90.93	-0.7	-45.2	45.2	43.9	1.31	34.604		
500.0	500.0	498.0	498.0	0.8	0.8	-90.93	-0.7	-45.2	45.2	43.5	1.65	27.304		
600.0	600.0	598.0	598.0	1.0	1.0	-90.93	-0.7	-45.2	45.2	43.2	2.00	22.547	CC, ES	
700.0	700.0	698.0	698.0	1.2	1.2	-174.70	-0.7	-45.2	46.0	43.7	2.35	19.573		
800.0	800.0	798.0	798.0	1.4	1.3	-174.98	-0.7	-45.2	48.7	46.0	2.70	18.014		
823.5	823.4	821.4	821.4	1.4	1.4	-175.07	-0.7	-45.2	49.5	46.7	2.78	17.796		
900.0	899.9	897.9	897.9	1.5	1.5	-175.35	-0.7	-45.2	52.5	49.4	3.05	17.213		
1,000.0	999.8	997.8	997.8	1.7	1.7	-175.67	-0.7	-45.2	56.4	53.0	3.40	16.589		
1,100.0	1,099.7	1,098.6	1,098.6	1.9	1.9	-175.47	-0.2	-44.5	59.6	55.8	3.75	15.894		
1,200.0	1,199.7	1,199.4	1,199.4	2.1	2.1	-174.32	1.4	-42.4	61.4	57.3	4.10	14.971		
1,300.0	1,299.6	1,300.2	1,300.1	2.3	2.2	-172.21	4.1	-39.0	61.8	57.4	4.45	13.886		
1,400.0	1,399.5	1,401.0	1,400.6	2.5	2.4	-169.03	7.9	-34.1	61.1	56.3	4.81	12.694		
1,500.0	1,499.4	1,501.6	1,501.0	2.6	2.6	-164.56	12.8	-27.9	59.3	54.1	5.18	11.451		
1,600.0	1,599.4	1,602.0	1,600.9	2.8	2.8	-158.46	18.7	-20.3	56.8	51.2	5.56	10.219		
1,700.0	1,699.3	1,702.2	1,700.5	3.0	3.1	-150.30	25.7	-11.3	54.1	48.2	5.97	9.075		
1,800.0	1,799.2	1,802.1	1,799.5	3.2	3.3	-139.73	33.8	-1.0	52.1	45.7	6.41	8.128		
1,866.3	1,865.4	1,868.1	1,864.8	3.3	3.5	-131.42	39.7	6.6	51.6	44.9	6.73	7.673		
1,900.0	1,899.1	1,901.6	1,897.9	3.4	3.6	-126.87	42.9	10.6	51.8	44.9	6.89	7.514		
2,000.0	1,999.0	2,000.8	1,995.8	3.6	3.8	-113.22	52.6	23.1	54.2	46.8	7.36	7.360	SF	
2,100.0	2,099.0	2,099.9	2,093.6	3.8	4.1	-101.28	62.5	35.7	59.4	51.6	7.80	7.620		
2,200.0	2,198.9	2,199.1	2,191.5	3.9	4.4	-91.59	72.3	48.3	66.8	58.6	8.19	8.154		
2,300.0	2,298.8	2,298.2	2,289.4	4.1	4.7	-83.98	82.1	60.9	75.7	67.1	8.55	8.844		
2,400.0	2,398.7	2,397.4	2,387.2	4.3	5.0	-78.03	91.9	73.4	85.6	76.7	8.91	9.610		
2,500.0	2,498.7	2,496.5	2,485.1	4.5	5.3	-73.35	101.8	86.0	96.2	87.0	9.25	10.403		
2,600.0	2,598.6	2,595.7	2,582.9	4.7	5.6	-69.62	111.6	98.6	107.4	97.8	9.60	11.194		
2,700.0	2,698.5	2,694.9	2,680.8	4.9	5.9	-66.60	121.4	111.2	118.9	109.0	9.94	11.967		
2,800.0	2,798.4	2,794.0	2,778.7	5.1	6.2	-64.12	131.2	123.7	130.7	120.5	10.28	12.714		
2,900.0	2,898.4	2,893.2	2,876.5	5.2	6.5	-62.05	141.1	136.3	142.7	132.1	10.63	13.430		
3,000.0	2,998.3	2,992.3	2,974.4	5.4	6.8	-60.30	150.9	148.9	154.9	143.9	10.98	14.113		
3,100.0	3,098.2	3,091.5	3,072.3	5.6	7.2	-58.81	160.7	161.5	167.2	155.9	11.32	14.764		
3,200.0	3,198.1	3,190.6	3,170.1	5.8	7.5	-57.52	170.5	174.0	179.6	167.9	11.67	15.383		
3,300.0	3,298.1	3,289.8	3,268.0	6.0	7.8	-56.40	180.3	186.6	192.0	180.0	12.02	15.972		
3,400.0	3,398.0	3,388.9	3,365.9	6.2	8.1	-55.41	190.2	199.2	204.5	192.2	12.37	16.531		
3,500.0	3,497.9	3,488.1	3,463.7	6.4	8.4	-54.54	200.0	211.7	217.1	204.4	12.72	17.062		
3,600.0	3,597.8	3,587.3	3,561.6	6.6	8.7	-53.76	209.8	224.3	229.7	216.6	13.08	17.567		
3,700.0	3,697.8	3,686.4	3,659.4	6.7	9.1	-53.07	219.6	236.9	242.4	228.9	13.43	18.048		
3,800.0	3,797.7	3,785.6	3,757.3	6.9	9.4	-52.44	229.5	249.5	255.1	241.3	13.78	18.506		
3,900.0	3,897.6	3,884.7	3,855.2	7.1	9.7	-51.88	239.3	262.0	267.8	253.6	14.14	18.942		
4,000.0	3,997.5	3,983.9	3,953.0	7.3	10.0	-51.36	249.1	274.6	280.5	266.0	14.49	19.358		
4,100.0	4,097.5	4,083.0	4,050.9	7.5	10.4	-50.89	258.9	287.2	293.2	278.4	14.84	19.756		
4,200.0	4,197.4	4,182.2	4,148.8	7.7	10.7	-50.46	268.8	299.8	306.0	290.8	15.20	20.135		
4,300.0	4,297.3	4,281.3	4,246.6	7.9	11.0	-50.06	278.6	312.3	318.8	303.3	15.55	20.498		
4,400.0	4,397.2	4,380.5	4,344.5	8.0	11.3	-49.70	288.4	324.9	331.6	315.7	15.91	20.845		
4,500.0	4,497.1	4,479.7	4,442.4	8.2	11.6	-49.36	298.2	337.5	344.4	328.2	16.26	21.178		
4,600.0	4,597.1	4,578.8	4,540.2	8.4	12.0	-49.04	308.0	350.1	357.2	340.6	16.62	21.496		
4,700.0	4,697.0	4,678.0	4,638.1	8.6	12.3	-48.75	317.9	362.6	370.1	353.1	16.97	21.802		
4,800.0	4,796.9	4,777.1	4,735.9	8.8	12.6	-48.48	327.7	375.2	382.9	365.6	17.33	22.095		
4,900.0	4,896.8	4,876.3	4,833.8	9.0	12.9	-48.22	337.5	387.8	395.8	378.1	17.69	22.377		

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design													S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2E-7H-E168 - HZ - Plan #2		Offset Site Error:		0.0 ft	
Survey Program:													0-Geolink MWD		Offset Well Error:		0.0 ft	
Reference				Offset		Semi Major Axis			Distance						Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor						
5,000.0	4,996.8	4,975.4	4,931.7	9.2	13.3	-47.98	347.3	400.3	408.6	390.6	18.04	22.648						
5,100.0	5,096.7	5,074.6	5,029.5	9.4	13.6	-47.76	357.2	412.9	421.5	403.1	18.40	22.909						
5,200.0	5,196.6	5,173.7	5,127.4	9.5	13.9	-47.55	367.0	425.5	434.4	415.6	18.76	23.160						
5,300.0	5,296.5	5,272.9	5,225.3	9.7	14.3	-47.35	376.8	438.1	447.3	428.1	19.11	23.402						
5,400.0	5,396.5	5,372.1	5,323.1	9.9	14.6	-47.16	386.6	450.6	460.1	440.7	19.47	23.635						
5,500.0	5,496.4	5,471.2	5,421.0	10.1	14.9	-46.98	396.5	463.2	473.0	453.2	19.82	23.860						
5,600.0	5,596.3	5,570.4	5,518.9	10.3	15.2	-46.81	406.3	475.8	485.9	465.7	20.18	24.077						
5,700.0	5,696.2	5,669.5	5,616.7	10.5	15.6	-46.65	416.1	488.4	498.8	478.3	20.54	24.286						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2F-7H-E168 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		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	-82.56	5.2	-40.1	40.5					
100.0	100.0	98.0	98.0	0.1	0.1	-82.56	5.2	-40.1	40.5	0.26	156.187			
200.0	200.0	198.0	198.0	0.3	0.3	-82.56	5.2	-40.1	40.5	0.61	66.649			
300.0	300.0	298.0	298.0	0.5	0.5	-82.56	5.2	-40.1	40.5	0.96	42.324			
400.0	400.0	398.6	398.6	0.7	0.7	-81.85	5.6	-39.4	39.8	1.31	30.452			
500.0	500.0	499.1	499.0	0.8	0.8	-79.51	6.9	-37.1	37.7	1.66	22.744			
600.0	600.0	599.5	599.3	1.0	1.0	-74.98	8.9	-33.2	34.4	2.01	17.103			
700.0	700.0	699.7	699.4	1.2	1.2	-151.53	11.8	-27.8	31.0	2.38	13.041			
800.0	800.0	799.9	799.2	1.4	1.4	-141.95	15.5	-20.9	28.7	2.76	10.385			
823.5	823.4	823.3	822.6	1.4	1.5	-139.37	16.5	-19.0	28.3	2.86	9.919			
900.0	899.9	899.9	898.8	1.5	1.7	-129.55	20.0	-12.4	27.5	3.18	8.665			
947.4	947.2	947.2	945.8	1.6	1.8	-122.25	22.4	-7.9	27.3	3.39	8.073 CC, ES			
1,000.0	999.8	999.6	997.9	1.7	1.9	-113.24	25.3	-2.5	27.6	3.62	7.637			
1,100.0	1,099.7	1,099.1	1,096.5	1.9	2.2	-95.11	31.4	9.0	30.3	4.05	7.489 SF			
1,200.0	1,199.7	1,198.2	1,194.6	2.1	2.5	-78.77	38.2	21.9	36.4	4.43	8.211			
1,300.0	1,299.6	1,296.9	1,291.9	2.3	2.8	-66.17	45.8	36.3	45.7	4.77	9.582			
1,400.0	1,399.5	1,395.2	1,388.5	2.5	3.1	-57.09	54.2	52.0	57.9	5.09	11.360			
1,500.0	1,499.4	1,494.0	1,485.5	2.6	3.5	-50.86	63.0	68.6	71.7	5.42	13.245			
1,600.0	1,599.4	1,592.7	1,582.5	2.8	3.8	-46.67	71.9	85.2	86.2	5.75	14.997			
1,700.0	1,699.3	1,691.5	1,679.5	3.0	4.2	-43.69	80.7	101.8	100.9	6.08	16.597			
1,800.0	1,799.2	1,790.3	1,776.4	3.2	4.5	-41.48	89.5	118.4	115.9	6.42	18.051			
1,900.0	1,899.1	1,889.1	1,873.4	3.4	4.9	-39.77	98.3	135.0	131.0	6.76	19.370			
2,000.0	1,999.0	1,987.9	1,970.4	3.6	5.3	-38.41	107.1	151.6	146.2	7.11	20.569			
2,100.0	2,099.0	2,086.7	2,067.4	3.8	5.6	-37.32	116.0	168.2	161.4	7.45	21.662			
2,200.0	2,198.9	2,185.5	2,164.4	3.9	6.0	-36.41	124.8	184.8	176.7	7.80	22.662			
2,300.0	2,298.8	2,284.3	2,261.4	4.1	6.4	-35.64	133.6	201.4	192.0	8.15	23.578			
2,400.0	2,398.7	2,383.0	2,358.3	4.3	6.7	-34.99	142.4	218.0	207.4	8.49	24.421			
2,500.0	2,498.7	2,481.8	2,455.3	4.5	7.1	-34.43	151.2	234.6	222.8	8.84	25.199			
2,600.0	2,598.6	2,580.6	2,552.3	4.7	7.5	-33.94	160.1	251.2	238.2	9.19	25.918			
2,700.0	2,698.5	2,679.4	2,649.3	4.9	7.8	-33.51	168.9	267.8	253.6	9.54	26.585			
2,800.0	2,798.4	2,778.2	2,746.3	5.1	8.2	-33.13	177.7	284.4	269.0	9.89	27.206			
2,900.0	2,898.4	2,877.0	2,843.3	5.2	8.6	-32.79	186.5	301.0	284.5	10.24	27.785			
3,000.0	2,998.3	2,975.8	2,940.2	5.4	9.0	-32.48	195.3	317.6	299.9	10.59	28.326			
3,100.0	3,098.2	3,074.6	3,037.2	5.6	9.3	-32.21	204.2	334.2	315.4	10.94	28.832			
3,200.0	3,198.1	3,173.3	3,134.2	5.8	9.7	-31.96	213.0	350.8	330.8	11.29	29.307			
3,300.0	3,298.1	3,272.1	3,231.2	6.0	10.1	-31.73	221.8	367.4	346.3	11.64	29.754			
3,400.0	3,398.0	3,370.9	3,328.2	6.2	10.4	-31.53	230.6	384.0	361.8	11.99	30.174			
3,500.0	3,497.9	3,469.7	3,425.2	6.4	10.8	-31.34	239.5	400.6	377.2	12.34	30.571			
3,600.0	3,597.8	3,568.5	3,522.1	6.6	11.2	-31.16	248.3	417.2	392.7	12.69	30.946			
3,700.0	3,697.8	3,667.3	3,619.1	6.7	11.6	-31.00	257.1	433.8	408.2	13.04	31.301			
3,800.0	3,797.7	3,766.1	3,716.1	6.9	11.9	-30.85	265.9	450.4	423.7	13.39	31.637			
3,900.0	3,897.6	3,864.9	3,813.1	7.1	12.3	-30.71	274.7	467.0	439.2	13.74	31.957			
4,000.0	3,997.5	3,963.7	3,910.1	7.3	12.7	-30.58	283.6	483.6	454.7	14.09	32.260			
4,100.0	4,097.5	4,062.4	4,007.1	7.5	13.0	-30.46	292.4	500.2	470.1	14.44	32.549			
4,200.0	4,197.4	4,161.2	4,104.0	7.7	13.4	-30.34	301.2	516.8	485.6	14.80	32.824			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Offset Design S7-T1N-R68W (Woolley-Sosa/Becky) - Woolley-Sosa 2G-7H-E168 - HZ - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-91.27	-0.8	-35.2	35.2					
100.0	100.0	98.0	98.0	0.1	0.1	-91.27	-0.8	-35.2	35.2	34.9	0.26	135.729		
200.0	200.0	198.0	198.0	0.3	0.3	-91.27	-0.8	-35.2	35.2	34.6	0.61	57.919		
300.0	300.0	298.6	298.6	0.5	0.5	-90.76	-0.5	-34.4	34.4	33.4	0.96	35.895		
400.0	400.0	399.1	399.0	0.7	0.7	-89.05	0.5	-32.0	32.0	30.7	1.31	24.382		
500.0	500.0	499.4	499.3	0.8	0.8	-85.51	2.2	-27.9	28.0	26.4	1.67	16.786		
600.0	600.0	599.6	599.3	1.0	1.0	-78.55	4.5	-22.3	22.8	20.7	2.03	11.201		
700.0	700.0	699.7	699.0	1.2	1.3	-148.75	7.5	-15.0	17.6	15.2	2.40	7.310		
800.0	800.0	799.6	798.5	1.4	1.5	-125.64	11.1	-6.2	14.4	11.6	2.83	5.097		
823.5	823.4	823.0	821.8	1.4	1.6	-118.97	12.1	-3.9	14.2	11.3	2.94	4.827		
839.5	839.4	839.0	837.7	1.4	1.6	-114.23	12.7	-2.2	14.2	11.1	3.02	4.693 CC, ES		
900.0	899.9	899.3	897.5	1.5	1.7	-95.39	15.4	4.3	14.9	11.6	3.28	4.554 SF		
1,000.0	999.8	998.7	996.1	1.7	2.0	-68.64	20.3	16.2	19.8	16.2	3.62	5.471		
1,100.0	1,099.7	1,097.8	1,094.1	1.9	2.3	-52.19	25.9	29.8	28.6	24.6	3.93	7.269		
1,200.0	1,199.7	1,196.5	1,191.5	2.1	2.6	-42.66	32.1	44.8	40.1	35.8	4.24	9.440		
1,300.0	1,299.6	1,294.7	1,288.0	2.3	3.0	-36.79	38.8	61.3	53.7	49.2	4.57	11.766		
1,400.0	1,399.5	1,392.4	1,383.8	2.5	3.4	-32.91	46.2	79.2	69.4	64.5	4.90	14.163		
1,500.0	1,499.4	1,489.5	1,478.6	2.6	3.8	-30.19	54.1	98.5	86.8	81.6	5.23	16.593		
1,600.0	1,599.4	1,586.6	1,573.2	2.8	4.2	-28.19	62.6	119.2	105.9	100.4	5.57	19.017		
1,700.0	1,699.3	1,684.7	1,668.5	3.0	4.6	-26.76	71.3	140.3	125.4	119.5	5.91	21.217		
1,800.0	1,799.2	1,782.7	1,763.8	3.2	5.0	-25.72	80.0	161.5	145.0	138.7	6.26	23.179		
1,900.0	1,899.1	1,880.8	1,859.2	3.4	5.4	-24.92	88.7	182.7	164.6	158.0	6.60	24.938		
2,000.0	1,999.0	1,978.8	1,954.5	3.6	5.9	-24.30	97.4	203.8	184.2	177.3	6.94	26.523		
2,100.0	2,099.0	2,076.8	2,049.8	3.8	6.3	-23.79	106.1	225.0	203.8	196.5	7.29	27.959		
2,200.0	2,198.9	2,174.9	2,145.2	3.9	6.7	-23.37	114.8	246.1	223.5	215.8	7.64	29.265		
2,300.0	2,298.8	2,272.9	2,240.5	4.1	7.2	-23.02	123.5	267.3	243.1	235.1	7.98	30.458		
2,400.0	2,398.7	2,371.0	2,335.8	4.3	7.6	-22.73	132.2	288.5	262.8	254.4	8.33	31.552		
2,500.0	2,498.7	2,469.0	2,431.2	4.5	8.0	-22.47	140.8	309.6	282.4	273.8	8.68	32.558		
2,600.0	2,598.6	2,567.0	2,526.5	4.7	8.5	-22.25	149.5	330.8	302.1	293.1	9.02	33.487		
2,700.0	2,698.5	2,665.1	2,621.9	4.9	8.9	-22.05	158.2	352.0	321.8	312.4	9.37	34.348		
2,800.0	2,798.4	2,763.1	2,717.2	5.1	9.4	-21.88	166.9	373.1	341.5	331.7	9.72	35.147		
2,900.0	2,898.4	2,861.2	2,812.5	5.2	9.8	-21.73	175.6	394.3	361.1	351.1	10.06	35.891		
3,000.0	2,998.3	2,959.2	2,907.9	5.4	10.2	-21.59	184.3	415.4	380.8	370.4	10.41	36.585		
3,100.0	3,098.2	3,057.3	3,003.2	5.6	10.7	-21.46	193.0	436.6	400.5	389.8	10.76	37.235		
3,200.0	3,198.1	3,155.3	3,098.5	5.8	11.1	-21.35	201.7	457.8	420.2	409.1	11.10	37.844		
3,300.0	3,298.1	3,253.3	3,193.9	6.0	11.6	-21.25	210.4	478.9	439.9	428.4	11.45	38.416		
3,400.0	3,398.0	3,351.4	3,289.2	6.2	12.0	-21.15	219.1	500.1	459.6	447.8	11.80	38.955		
3,500.0	3,497.9	3,449.4	3,384.5	6.4	12.4	-21.07	227.8	521.2	479.3	467.1	12.14	39.463		
3,600.0	3,597.8	3,547.5	3,479.9	6.6	12.9	-20.99	236.5	542.4	498.9	486.5	12.49	39.942		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well Woolley-Becky 2C-7H-E168
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5021.0ft (Original Well Elev)
Reference Site:	S7-T1N-R68W (Woolley-Sosa/Becky)	MD Reference:	WELL @ 5021.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	Woolley-Becky 2C-7H-E168	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 #3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5021.0ft (Original Well Elev)

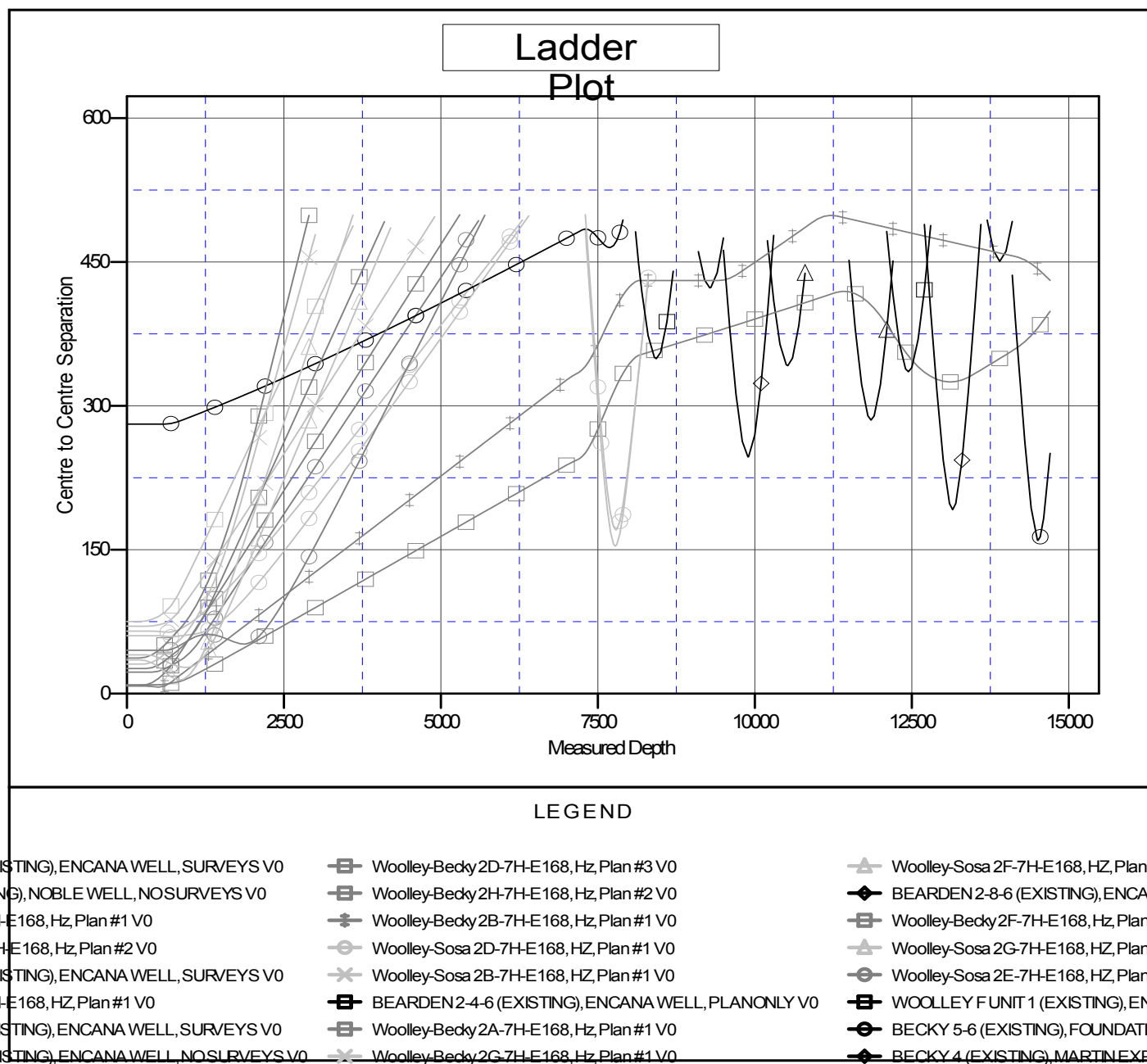
Offset Depths are relative to Offset Datum

Central Meridian is -105.500000 °

Coordinates are relative to: Woolley-Becky 2C-7H-E168

Coordinate System is US State Plane 1983, Colorado Northern Zone

Grid Convergence at Surface is: 0.29°



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