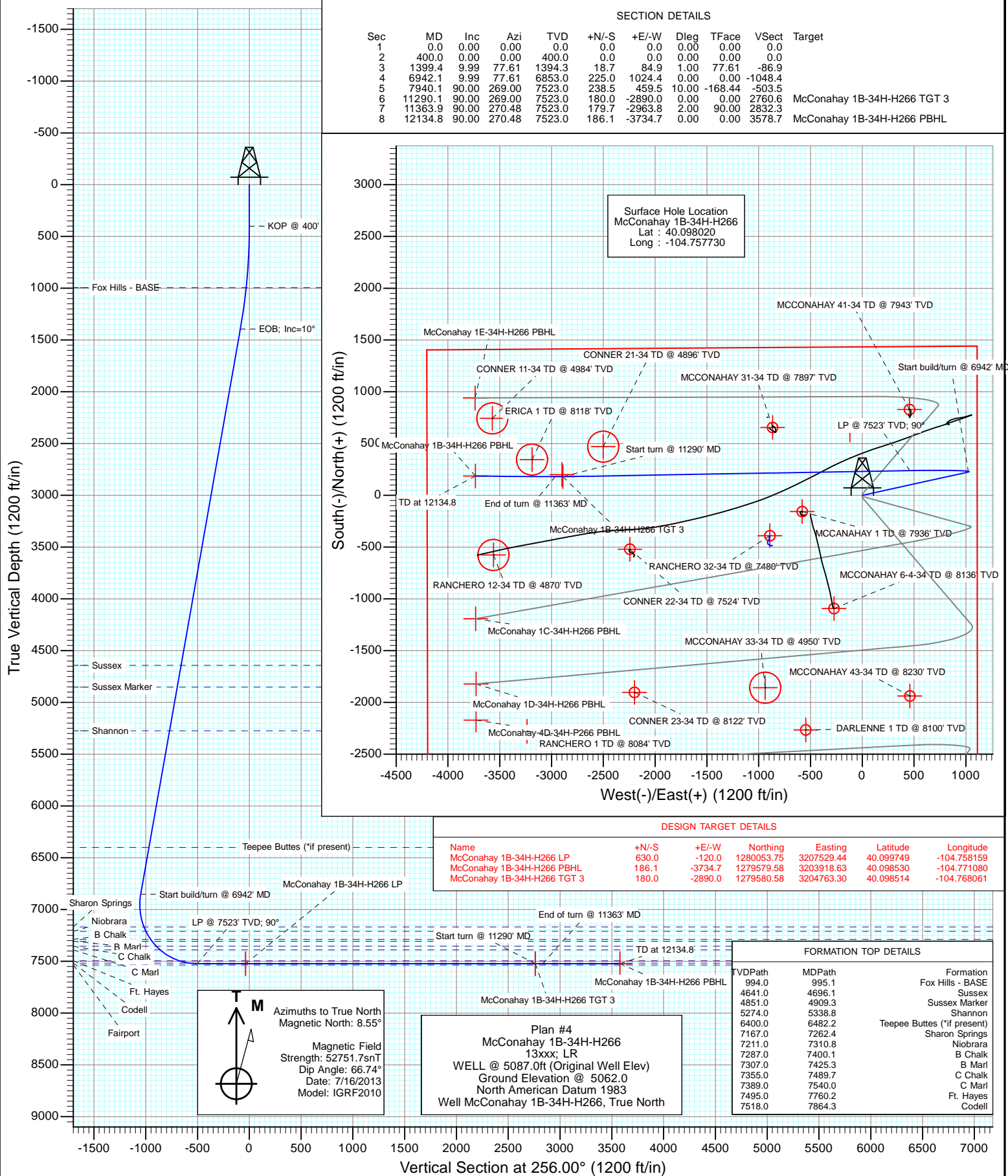




Project: DJ Wattenberg
Site: S34-T2N-R66W (McConahay)
Well: McConahay 1B-34H-H266
Wellbore: Hz
Design: Plan #4



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site:	S34-T2N-R66W (McConahay)	North Reference:	True
Well:	McConahay 1B-34H-H266	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #4		

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		S34-T2N-R66W (McConahay)			
Site Position:		Northing:	1,280,109.37 ft	Latitude:	40.099880
From:	Lat/Long	Easting:	3,208,491.04 ft	Longitude:	-104.754720
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence:	0.48 °

Well	McConahay 1B-34H-H266					
Well Position	+N/-S	0.0 ft	Northing:	1,279,424.78 ft	Latitude:	40.098020
	+E/-W	0.0 ft	Easting:	3,207,654.71 ft	Longitude:	-104.757730
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,062.0 ft

Wellbore	Hz				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	7/16/2013	8.55	66.74	52,752

Design	Plan #4			
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	256.00

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,399.4	9.99	77.61	1,394.3	18.7	84.9	1.00	1.00	0.00	77.61	
6,942.1	9.99	77.61	6,853.0	225.0	1,024.4	0.00	0.00	0.00	0.00	
7,940.1	90.00	269.00	7,523.0	238.5	459.5	10.00	8.02	-16.90	-168.44	
11,290.1	90.00	269.00	7,523.0	180.0	-2,890.0	0.00	0.00	0.00	0.00	McConahay 1B-34H-I
11,363.9	90.00	270.48	7,523.0	179.7	-2,963.8	2.00	0.00	2.00	90.00	
12,134.8	90.00	270.48	7,523.0	186.1	-3,734.7	0.00	0.00	0.00	0.00	McConahay 1B-34H-I

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site:	S34-T2N-R66W (McConahay)	North Reference:	True
Well:	McConahay 1B-34H-H266	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #4		

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	KOP @ 400'
500.0	1.00	77.61	500.0	0.2	0.9	-0.9	1.00	1.00	
600.0	2.00	77.61	600.0	0.7	3.4	-3.5	1.00	1.00	
700.0	3.00	77.61	699.9	1.7	7.7	-7.8	1.00	1.00	
800.0	4.00	77.61	799.7	3.0	13.6	-14.0	1.00	1.00	
900.0	5.00	77.61	899.4	4.7	21.3	-21.8	1.00	1.00	
995.1	5.95	77.61	994.0	6.6	30.2	-30.9	1.00	1.00	Fox Hills - BASE
1,000.0	6.00	77.61	998.9	6.7	30.7	-31.4	1.00	1.00	
1,100.0	7.00	77.61	1,098.3	9.2	41.7	-42.7	1.00	1.00	
1,200.0	8.00	77.61	1,197.4	12.0	54.5	-55.7	1.00	1.00	
1,300.0	9.00	77.61	1,296.3	15.1	68.9	-70.5	1.00	1.00	
1,399.4	9.99	77.61	1,394.3	18.7	84.9	-86.9	1.00	1.00	EOB; Inc=10°
1,400.0	9.99	77.61	1,394.9	18.7	85.0	-87.0	0.00	0.00	
1,500.0	9.99	77.61	1,493.4	22.4	102.0	-104.4	0.00	0.00	
1,600.0	9.99	77.61	1,591.9	26.1	118.9	-121.7	0.00	0.00	
1,700.0	9.99	77.61	1,690.4	29.8	135.9	-139.1	0.00	0.00	
1,800.0	9.99	77.61	1,788.9	33.6	152.8	-156.4	0.00	0.00	
1,900.0	9.99	77.61	1,887.3	37.3	169.8	-173.7	0.00	0.00	
2,000.0	9.99	77.61	1,985.8	41.0	186.7	-191.1	0.00	0.00	
2,100.0	9.99	77.61	2,084.3	44.7	203.7	-208.4	0.00	0.00	
2,200.0	9.99	77.61	2,182.8	48.5	220.6	-225.8	0.00	0.00	
2,300.0	9.99	77.61	2,281.3	52.2	237.6	-243.1	0.00	0.00	
2,400.0	9.99	77.61	2,379.8	55.9	254.5	-260.5	0.00	0.00	
2,500.0	9.99	77.61	2,478.2	59.6	271.5	-277.8	0.00	0.00	
2,600.0	9.99	77.61	2,576.7	63.4	288.4	-295.2	0.00	0.00	
2,700.0	9.99	77.61	2,675.2	67.1	305.4	-312.5	0.00	0.00	
2,800.0	9.99	77.61	2,773.7	70.8	322.3	-329.9	0.00	0.00	
2,900.0	9.99	77.61	2,872.2	74.5	339.3	-347.2	0.00	0.00	
3,000.0	9.99	77.61	2,970.7	78.2	356.2	-364.6	0.00	0.00	
3,100.0	9.99	77.61	3,069.1	82.0	373.2	-381.9	0.00	0.00	
3,200.0	9.99	77.61	3,167.6	85.7	390.1	-399.3	0.00	0.00	
3,300.0	9.99	77.61	3,266.1	89.4	407.1	-416.6	0.00	0.00	
3,400.0	9.99	77.61	3,364.6	93.1	424.0	-434.0	0.00	0.00	
3,500.0	9.99	77.61	3,463.1	96.9	441.0	-451.3	0.00	0.00	
3,600.0	9.99	77.61	3,561.5	100.6	457.9	-468.7	0.00	0.00	
3,700.0	9.99	77.61	3,660.0	104.3	474.9	-486.0	0.00	0.00	
3,800.0	9.99	77.61	3,758.5	108.0	491.8	-503.3	0.00	0.00	
3,900.0	9.99	77.61	3,857.0	111.7	508.8	-520.7	0.00	0.00	
4,000.0	9.99	77.61	3,955.5	115.5	525.7	-538.0	0.00	0.00	
4,100.0	9.99	77.61	4,054.0	119.2	542.7	-555.4	0.00	0.00	
4,200.0	9.99	77.61	4,152.4	122.9	559.6	-572.7	0.00	0.00	
4,300.0	9.99	77.61	4,250.9	126.6	576.6	-590.1	0.00	0.00	
4,400.0	9.99	77.61	4,349.4	130.4	593.5	-607.4	0.00	0.00	
4,500.0	9.99	77.61	4,447.9	134.1	610.5	-624.8	0.00	0.00	
4,600.0	9.99	77.61	4,546.4	137.8	627.4	-642.1	0.00	0.00	
4,696.1	9.99	77.61	4,641.0	141.4	643.7	-658.8	0.00	0.00	Sussex
4,700.0	9.99	77.61	4,644.9	141.5	644.4	-659.5	0.00	0.00	
4,800.0	9.99	77.61	4,743.3	145.3	661.3	-676.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site:	S34-T2N-R66W (McConahay)	North Reference:	True
Well:	McConahay 1B-34H-H266	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #4		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
4,900.0	9.99	77.61	4,841.8	149.0	678.3	-694.2	0.00	0.00	
4,909.3	9.99	77.61	4,851.0	149.3	679.9	-695.8	0.00	0.00	Sussex Marker
5,000.0	9.99	77.61	4,940.3	152.7	695.2	-711.5	0.00	0.00	
5,100.0	9.99	77.61	5,038.8	156.4	712.2	-728.9	0.00	0.00	
5,200.0	9.99	77.61	5,137.3	160.1	729.1	-746.2	0.00	0.00	
5,300.0	9.99	77.61	5,235.8	163.9	746.1	-763.6	0.00	0.00	
5,338.8	9.99	77.61	5,274.0	165.3	752.7	-770.3	0.00	0.00	Shannon
5,400.0	9.99	77.61	5,334.2	167.6	763.0	-780.9	0.00	0.00	
5,500.0	9.99	77.61	5,432.7	171.3	780.0	-798.2	0.00	0.00	
5,600.0	9.99	77.61	5,531.2	175.0	796.9	-815.6	0.00	0.00	
5,700.0	9.99	77.61	5,629.7	178.8	813.9	-832.9	0.00	0.00	
5,800.0	9.99	77.61	5,728.2	182.5	830.8	-850.3	0.00	0.00	
5,900.0	9.99	77.61	5,826.7	186.2	847.8	-867.6	0.00	0.00	
6,000.0	9.99	77.61	5,925.1	189.9	864.7	-885.0	0.00	0.00	
6,100.0	9.99	77.61	6,023.6	193.7	881.7	-902.3	0.00	0.00	
6,200.0	9.99	77.61	6,122.1	197.4	898.6	-919.7	0.00	0.00	
6,300.0	9.99	77.61	6,220.6	201.1	915.6	-937.0	0.00	0.00	
6,400.0	9.99	77.61	6,319.1	204.8	932.5	-954.4	0.00	0.00	
6,482.2	9.99	77.61	6,400.0	207.9	946.5	-968.6	0.00	0.00	Teepee Buttes (*if present)
6,500.0	9.99	77.61	6,417.5	208.5	949.5	-971.7	0.00	0.00	
6,600.0	9.99	77.61	6,516.0	212.3	966.4	-989.1	0.00	0.00	
6,700.0	9.99	77.61	6,614.5	216.0	983.4	-1,006.4	0.00	0.00	
6,800.0	9.99	77.61	6,713.0	219.7	1,000.3	-1,023.8	0.00	0.00	
6,900.0	9.99	77.61	6,811.5	223.4	1,017.3	-1,041.1	0.00	0.00	
6,942.1	9.99	77.61	6,853.0	225.0	1,024.4	-1,048.4	0.00	0.00	Start build/turn @ 6942' MD
7,000.0	4.48	62.61	6,910.4	227.1	1,031.3	-1,055.6	10.00	-9.54	
7,100.0	6.31	287.33	7,010.2	230.6	1,029.5	-1,054.7	10.00	1.84	
7,200.0	16.11	275.92	7,108.1	233.6	1,010.4	-1,037.0	10.00	9.80	
7,262.4	22.31	273.86	7,167.0	235.3	990.0	-1,017.5	10.00	9.94	Sharon Springs
7,300.0	26.06	273.08	7,201.3	236.3	974.6	-1,002.8	10.00	9.96	
7,310.8	27.14	272.89	7,211.0	236.5	969.8	-998.2	10.00	9.97	Niobrara
7,400.0	36.04	271.74	7,286.9	238.3	923.1	-953.4	10.00	9.98	
7,400.1	36.04	271.74	7,287.0	238.3	923.1	-953.3	0.00	0.00	B Chalk
7,425.3	38.56	271.50	7,307.0	238.8	907.8	-938.6	10.05	10.04	B Marl
7,489.7	44.99	270.99	7,355.0	239.7	865.0	-897.3	10.00	9.99	C Chalk
7,500.0	46.02	270.92	7,362.2	239.8	857.6	-890.1	10.00	9.99	
7,540.0	50.02	270.67	7,389.0	240.2	827.8	-861.4	10.00	9.99	C Marl
7,600.0	56.01	270.34	7,425.1	240.7	780.0	-815.0	10.00	9.99	
7,700.0	66.01	269.89	7,473.5	240.8	692.6	-730.3	10.00	9.99	
7,760.2	72.02	269.65	7,495.0	240.6	636.5	-675.8	10.00	9.99	Ft. Hayes
7,800.0	76.00	269.50	7,506.0	240.3	598.2	-638.5	10.00	9.99	
7,864.3	82.43	269.27	7,518.0	239.6	535.0	-577.1	10.00	9.99	Codell
7,900.0	85.99	269.14	7,521.6	239.1	499.5	-542.5	10.00	9.99	
7,940.1	90.00	269.00	7,523.0	238.5	459.5	-503.5	10.00	9.99	LP @ 7523' TVD; 90°
8,000.0	90.00	269.00	7,523.0	237.4	399.6	-445.2	0.00	0.00	
8,100.0	90.00	269.00	7,523.0	235.7	299.6	-347.7	0.00	0.00	
8,200.0	90.00	269.00	7,523.0	233.9	199.6	-250.3	0.00	0.00	
8,300.0	90.00	269.00	7,523.0	232.2	99.6	-152.8	0.00	0.00	
8,400.0	90.00	269.00	7,523.0	230.4	-0.4	-55.4	0.00	0.00	
8,500.0	90.00	269.00	7,523.0	228.7	-100.3	42.0	0.00	0.00	
8,512.7	90.00	269.00	7,523.0	228.5	-113.0	54.4	0.00	0.00	McConahay 1B-34H-H266 LP
8,600.0	90.00	269.00	7,523.0	226.9	-200.3	139.5	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site:	S34-T2N-R66W (McConahay)	North Reference:	True
Well:	McConahay 1B-34H-H266	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #4		

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
8,700.0	90.00	269.00	7,523.0	225.2	-300.3	236.9	0.00	0.00	
8,800.0	90.00	269.00	7,523.0	223.5	-400.3	334.3	0.00	0.00	
8,900.0	90.00	269.00	7,523.0	221.7	-500.3	431.8	0.00	0.00	
9,000.0	90.00	269.00	7,523.0	220.0	-600.3	529.2	0.00	0.00	
9,100.0	90.00	269.00	7,523.0	218.2	-700.2	626.7	0.00	0.00	
9,200.0	90.00	269.00	7,523.0	216.5	-800.2	724.1	0.00	0.00	
9,300.0	90.00	269.00	7,523.0	214.7	-900.2	821.5	0.00	0.00	
9,400.0	90.00	269.00	7,523.0	213.0	-1,000.2	919.0	0.00	0.00	
9,500.0	90.00	269.00	7,523.0	211.2	-1,100.2	1,016.4	0.00	0.00	
9,600.0	90.00	269.00	7,523.0	209.5	-1,200.2	1,113.8	0.00	0.00	
9,700.0	90.00	269.00	7,523.0	207.8	-1,300.2	1,211.3	0.00	0.00	
9,800.0	90.00	269.00	7,523.0	206.0	-1,400.1	1,308.7	0.00	0.00	
9,900.0	90.00	269.00	7,523.0	204.3	-1,500.1	1,406.1	0.00	0.00	
10,000.0	90.00	269.00	7,523.0	202.5	-1,600.1	1,503.6	0.00	0.00	
10,100.0	90.00	269.00	7,523.0	200.8	-1,700.1	1,601.0	0.00	0.00	
10,200.0	90.00	269.00	7,523.0	199.0	-1,800.1	1,698.5	0.00	0.00	
10,300.0	90.00	269.00	7,523.0	197.3	-1,900.1	1,795.9	0.00	0.00	
10,400.0	90.00	269.00	7,523.0	195.5	-2,000.0	1,893.3	0.00	0.00	
10,500.0	90.00	269.00	7,523.0	193.8	-2,100.0	1,990.8	0.00	0.00	
10,600.0	90.00	269.00	7,523.0	192.0	-2,200.0	2,088.2	0.00	0.00	
10,700.0	90.00	269.00	7,523.0	190.3	-2,300.0	2,185.6	0.00	0.00	
10,800.0	90.00	269.00	7,523.0	188.6	-2,400.0	2,283.1	0.00	0.00	
10,900.0	90.00	269.00	7,523.0	186.8	-2,500.0	2,380.5	0.00	0.00	
11,000.0	90.00	269.00	7,523.0	185.1	-2,600.0	2,478.0	0.00	0.00	
11,100.0	90.00	269.00	7,523.0	183.3	-2,699.9	2,575.4	0.00	0.00	
11,200.0	90.00	269.00	7,523.0	181.6	-2,799.9	2,672.8	0.00	0.00	
11,290.1	90.00	269.00	7,523.0	180.0	-2,890.0	2,760.6	0.00	0.00	Start turn @ 11290' MD - McConahay 1B-34H-H266
11,299.8	90.00	269.19	7,523.0	179.8	-2,899.7	2,770.0	2.00	0.00	McConahay 1B-34H-H266 TGT 2
11,300.0	90.00	269.20	7,523.0	179.8	-2,899.9	2,770.3	2.00	0.00	
11,363.9	90.00	270.48	7,523.0	179.7	-2,963.8	2,832.3	2.00	0.00	End of turn @ 11363' MD
11,400.0	90.00	270.48	7,523.0	180.0	-2,999.9	2,867.3	0.00	0.00	
11,500.0	90.00	270.48	7,523.0	180.8	-3,099.9	2,964.1	0.00	0.00	
11,600.0	90.00	270.48	7,523.0	181.6	-3,199.9	3,060.9	0.00	0.00	
11,700.0	90.00	270.48	7,523.0	182.5	-3,299.9	3,157.7	0.00	0.00	
11,800.0	90.00	270.48	7,523.0	183.3	-3,399.9	3,254.6	0.00	0.00	
11,900.0	90.00	270.48	7,523.0	184.1	-3,499.9	3,351.4	0.00	0.00	
12,000.0	90.00	270.48	7,523.0	185.0	-3,599.9	3,448.2	0.00	0.00	
12,100.0	90.00	270.48	7,523.0	185.8	-3,699.9	3,545.0	0.00	0.00	
12,134.8	90.00	270.48	7,523.0	186.1	-3,734.7	3,578.7	0.00	0.00	TD at 12134.8 - McConahay 1B-34H-H266 PBI

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Project:	DJ Wattenberg	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site:	S34-T2N-R66W (McConahay)	North Reference:	True
Well:	McConahay 1B-34H-H266	Survey Calculation Method:	Minimum Curvature
Wellbore:	Hz		
Design:	Plan #4		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
McConahay 1B-34H-H2I - plan misses target center by 20.2ft at 11299.8ft MD (7523.0 TVD, 179.8 N, -2899.7 E) - Point	0.00	0.00	7,523.0	200.0	-2,900.0	1,279,600.50	3,204,753.14	40.098569	-104.768096
McConahay 1B-34H-H2I - plan hits target center - Point	0.00	0.00	7,523.0	180.0	-2,890.0	1,279,580.58	3,204,763.30	40.098514	-104.768061
McConahay 1B-34H-H2I - plan hits target center - Point	0.00	0.00	7,523.0	186.1	-3,734.7	1,279,579.58	3,203,918.63	40.098530	-104.771080
McConahay 1B-34H-H2I - plan misses target center by 401.6ft at 8512.7ft MD (7523.0 TVD, 228.5 N, -113.0 E) - Point	0.00	0.00	7,523.0	630.0	-120.0	1,280,053.75	3,207,529.44	40.099749	-104.758159

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
995.1	994.0	Fox Hills - BASE				
4,696.1	4,641.0	Sussex				
4,909.3	4,851.0	Sussex Marker				
5,338.8	5,274.0	Shannon				
6,482.2	6,400.0	Teepee Buttes (*if present)				
7,262.4	7,167.0	Sharon Springs				
7,310.8	7,211.0	Niobrara				
7,400.1	7,287.0	B Chalk				
7,425.3	7,307.0	B Marl				
7,489.7	7,355.0	C Chalk				
7,540.0	7,389.0	C Marl				
7,760.2	7,495.0	Ft. Hayes				
7,864.3	7,518.0	Codell				

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
400.0	400.0	0.0	0.0	KOP @ 400'
1,399.4	1,394.3	18.7	84.9	EOB; Inc=10°
6,942.1	6,853.0	225.0	1,024.4	Start build/turn @ 6942' MD
7,940.1	7,523.0	238.5	459.5	LP @ 7523' TVD; 90°
11,290.1	7,523.0	180.0	-2,890.0	Start turn @ 11290' MD
11,363.9	7,523.0	179.7	-2,963.8	End of turn @ 11363' MD
12,134.8	7,523.0	186.1	-3,734.7	TD at 12134.8

EnCana Oil & Gas (USA) Inc

DJ Wattenberg

S34-T2N-R66W (McConahay)

McConahay 1B-34H-H266

Hz

Plan #4

Anticollision Report

17 December, 2013

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Reference	Plan #4		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.0ft	Error Model:	Systematic Ellipse
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 1,179.7ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	12/17/2013		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	12,134.8	Plan #4 (Hz)	Geolink MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	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						
S34-T2N-R66W (McConahay)						
CONNER 11-34 (EXISTING) - MACEY & MERSHON WE						Out of range
CONNER 21-34 (EXISTING) - FOUNDATION WELL - NO						Out of range
CONNER 22-34 (EXISTING) - ENCANA WELL - GYRO	10,655.8	7,465.3	711.5	636.4	9.482	CC, ES
CONNER 22-34 (EXISTING) - ENCANA WELL - GYRO	10,800.0	7,465.7	725.9	647.4	9.248	SF
CONNER 23-34 (EXISTING) - ENCANA WELL - NO SUR						Out of range
CONNER 24-34 (EXISTING) - FOUNDATION WELL - NO						Out of range
CONNER D&H 2 (EXISTING) - MARINER WELL - NO S						Out of range
DARLENNE 1 (EXISTING) - ENCANA WELL - NO SURV						Out of range
ERICA 1 (EXISTING) - GREAT WESTERN WELL - NO S	11,589.7	7,440.0	163.6	59.5	1.571	CC, ES
ERICA 1 (EXISTING) - GREAT WESTERN WELL - NO S	11,600.0	7,440.0	164.0	59.6	1.571	SF
MCCONAHAY 1 (EXISTING) - ENCANA WELL - GYRO	8,987.3	7,509.3	378.2	341.5	10.315	CC
MCCONAHAY 1 (EXISTING) - ENCANA WELL - GYRO	9,000.0	7,509.3	378.4	341.5	10.249	ES
MCCONAHAY 1 (EXISTING) - ENCANA WELL - GYRO	9,100.0	7,509.2	394.6	355.6	10.113	SF
McConahay 1A-34H - Hz - Hz	8,801.2	8,556.6	198.6	176.9	9.157	CC, ES
McConahay 1A-34H - Hz - Hz	12,135.6	11,861.6	781.2	576.5	3.816	SF
McConahay 1C-34H-H266 - Hz - Plan #1	300.0	300.0	10.9	10.0	11.385	CC
McConahay 1C-34H-H266 - Hz - Plan #1	400.0	399.9	11.2	9.9	8.550	ES
McConahay 1C-34H-H266 - Hz - Plan #1	600.0	599.7	14.4	12.4	7.107	SF
McConahay 1D-34H-H266 - Hz - Plan #1	166.3	167.3	21.9	21.4	44.148	CC
McConahay 1D-34H-H266 - Hz - Plan #1	200.0	201.0	21.9	21.2	35.678	ES
McConahay 1D-34H-H266 - Hz - Plan #1	600.0	599.3	33.7	31.7	16.665	SF
McConahay 1E-34H-H266 - Hz - Plan #1	300.0	287.0	10.9	10.0	11.405	CC, ES
McConahay 1E-34H-H266 - Hz - Plan #1	12,135.6	11,628.2	785.5	587.3	3.964	SF
MCCONAHAY 31-34 (EXISTING) - ENCANA WELL - GY	9,258.0	7,525.4	441.9	399.4	10.393	CC, ES
MCCONAHAY 31-34 (EXISTING) - ENCANA WELL - GY	9,400.0	7,524.6	464.1	418.5	10.165	SF
MCCONAHAY 31-34 (EXISTING) MRP - MACHII-ROSS						Out of range
MCCONAHAY 33-34 (EXISTING) - FOUNDATION WELL						Out of range
MCCONAHAY 41-34 (EXISTING) - ENCANA WELL - GY	7,938.5	7,509.1	589.8	566.6	25.417	CC, ES, SF
MCCONAHAY 43-34 (EXISTING) - ENCANA WELL - NO						Out of range
MCCONAHAY 44-34 (EXISTING) - ENCANA WELL - NO						Out of range
McConahay 4A-34H-P266 - Hz - Plan #2						Out of range
McConahay 4B-34H-P266 - Hz - Plan #3						Out of range
McConahay 4C-34H-P266 - Hz - Plan #2						Out of range
MCCONAHAY 6-4-34 (EXISTING) - ENCANA WELL - SU	100.0	75.0	532.4	532.2	2,045.312	CC
MCCONAHAY 6-4-34 (EXISTING) - ENCANA WELL - SU	400.0	373.9	532.9	531.6	410.076	ES
MCCONAHAY 6-4-34 (EXISTING) - ENCANA WELL - SU	3,700.0	3,567.7	1,161.8	1,143.9	65.097	SF
RANCHERO 1 (EXISTING) - ENCANA WELL - NO SUR						Out of range
RANCHERO 12-34 (EXISTING) - MACHII-ROSS WELL						Out of range
RANCHERO 32-34 (EXISTING) - ENCANA WELL - GYR	9,302.0	7,482.0	605.7	562.4	13.976	CC, ES
RANCHERO 32-34 (EXISTING) - ENCANA WELL - GYR	9,500.0	7,482.0	637.2	589.5	13.342	SF
SEYMOUR 34-34 (EXISTING) - ENCANA WELL - NO SU						Out of range

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - CONNER 22-34 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Gyro													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)						
9,800.0	7,523.0	7,463.2	7,462.1	48.3	6.6	-90.01	-520.3	-2,243.4	1,112.9	1,058.1	54.77	20.320		
9,900.0	7,523.0	7,463.4	7,462.3	50.7	6.6	-90.03	-520.3	-2,243.4	1,038.0	980.9	57.10	18.179		
10,000.0	7,523.0	7,463.6	7,462.6	53.0	6.6	-90.05	-520.3	-2,243.4	967.6	908.1	59.44	16.279		
10,100.0	7,523.0	7,463.9	7,462.8	55.4	6.6	-90.07	-520.3	-2,243.4	902.8	841.0	61.79	14.610		
10,200.0	7,523.0	7,464.1	7,463.1	57.7	6.6	-90.09	-520.3	-2,243.4	844.9	780.8	64.16	13.170		
10,300.0	7,523.0	7,464.4	7,463.3	60.1	6.6	-90.11	-520.3	-2,243.4	795.5	728.9	66.53	11.956		
10,400.0	7,523.0	7,464.6	7,463.6	62.5	6.6	-90.13	-520.3	-2,243.4	756.0	687.1	68.91	10.971		
10,500.0	7,523.0	7,464.9	7,463.8	64.8	6.6	-90.15	-520.3	-2,243.4	728.3	657.0	71.30	10.215		
10,600.0	7,523.0	7,465.1	7,464.1	67.2	6.6	-90.17	-520.3	-2,243.4	713.6	640.0	73.69	9.684		
10,655.8	7,523.0	7,465.3	7,464.2	68.6	6.6	-90.18	-520.3	-2,243.4	711.5	636.4	75.03	9.482 CC, ES		
10,700.0	7,523.0	7,465.4	7,464.3	69.6	6.6	-90.19	-520.3	-2,243.4	712.8	636.7	76.09	9.368		
10,800.0	7,523.0	7,465.7	7,464.6	72.0	6.6	-90.21	-520.3	-2,243.4	725.9	647.4	78.50	9.248 SF		
10,900.0	7,523.0	7,465.9	7,464.9	74.4	6.6	-90.23	-520.3	-2,243.4	752.2	671.3	80.91	9.297		
11,000.0	7,523.0	7,466.2	7,465.1	76.9	6.6	-90.25	-520.3	-2,243.4	790.4	707.0	83.32	9.486		
11,100.0	7,523.0	7,466.5	7,465.4	79.3	6.6	-90.27	-520.3	-2,243.4	838.8	753.0	85.74	9.783		
11,200.0	7,523.0	7,466.8	7,465.7	81.7	6.6	-90.30	-520.3	-2,243.4	895.7	807.6	88.16	10.161		
11,300.0	7,523.0	7,467.0	7,466.0	84.1	6.6	-90.32	-520.3	-2,243.4	959.8	869.2	90.59	10.595		
11,400.0	7,523.0	7,467.3	7,466.3	86.5	6.6	-90.35	-520.3	-2,243.4	1,030.9	937.8	93.06	11.078		
11,500.0	7,523.0	7,467.6	7,466.6	89.0	6.6	-90.38	-520.3	-2,243.4	1,106.9	1,011.4	95.49	11.592		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - ERICA 1 (EXISTING) - GREAT WESTERN WELL - NO SURVEYS													Offset Site Error:	0.0 ft
Survey Program: 8118-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,500.0	7,523.0	7,440.0	7,440.0	64.8	13.0	90.00	345.2	-3,188.3	1,098.7	1,021.0	77.76	14.130		
10,600.0	7,523.0	7,440.0	7,440.0	67.2	13.0	90.00	345.2	-3,188.3	1,000.1	919.9	80.15	12.477		
10,700.0	7,523.0	7,440.0	7,440.0	69.6	13.0	90.00	345.2	-3,188.3	901.7	819.1	82.55	10.922		
10,800.0	7,523.0	7,440.0	7,440.0	72.0	13.0	90.00	345.2	-3,188.3	803.7	718.7	84.96	9.460		
10,900.0	7,523.0	7,440.0	7,440.0	74.4	13.0	90.00	345.2	-3,188.3	706.3	618.9	87.37	8.084		
11,000.0	7,523.0	7,440.0	7,440.0	76.9	13.0	90.00	345.2	-3,188.3	609.7	519.9	89.78	6.791		
11,100.0	7,523.0	7,440.0	7,440.0	79.3	13.0	90.00	345.2	-3,188.3	514.5	422.3	92.20	5.580		
11,200.0	7,523.0	7,440.0	7,440.0	81.7	13.0	90.00	345.2	-3,188.3	421.4	326.8	94.62	4.454		
11,300.0	7,523.0	7,440.0	7,440.0	84.1	13.0	90.00	345.2	-3,188.3	332.4	235.4	97.05	3.425		
11,400.0	7,523.0	7,440.0	7,440.0	86.5	13.0	90.00	345.2	-3,188.3	250.6	151.0	99.52	2.518		
11,500.0	7,523.0	7,440.0	7,440.0	89.0	13.0	90.00	345.2	-3,188.3	186.6	84.7	101.95	1.831		
11,589.7	7,523.0	7,440.0	7,440.0	91.2	13.0	90.00	345.2	-3,188.3	163.6	59.5	104.13	1.571 CC, ES		
11,600.0	7,523.0	7,440.0	7,440.0	91.4	13.0	90.00	345.2	-3,188.3	164.0	59.6	104.38	1.571 SF		
11,700.0	7,523.0	7,440.0	7,440.0	93.8	13.0	90.00	345.2	-3,188.3	197.3	90.5	106.82	1.847		
11,800.0	7,523.0	7,440.0	7,440.0	96.3	13.0	90.00	345.2	-3,188.3	266.4	157.2	109.25	2.439		
11,900.0	7,523.0	7,440.0	7,440.0	98.7	13.0	90.00	345.2	-3,188.3	350.8	239.1	111.69	3.141		
12,000.0	7,523.0	7,440.0	7,440.0	101.2	13.0	90.00	345.2	-3,188.3	441.7	327.6	114.13	3.870		
12,100.0	7,523.0	7,440.0	7,440.0	103.6	13.0	90.00	345.2	-3,188.3	535.9	419.3	116.57	4.597		
12,135.6	7,523.0	7,440.0	7,440.0	104.5	13.0	90.00	345.2	-3,188.3	569.9	452.4	117.44	4.852		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - MCCONAHAY 1 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 200-Gyro													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	-109.06	-189.4	-548.3	580.3					
100.0	100.0	86.0	86.0	0.1	0.0	-109.06	-189.4	-548.3	580.1	580.0	0.13	4,425.968		
200.0	200.0	183.1	183.1	0.3	0.1	-109.07	-189.7	-548.5	580.3	580.0	0.38	1,535.075		
300.0	300.0	280.3	280.3	0.5	0.2	-109.10	-190.1	-549.1	581.1	580.5	0.64	911.192		
400.0	400.0	380.3	380.3	0.7	0.2	-109.08	-190.3	-550.1	582.1	581.2	0.90	646.824		
500.0	500.0	483.2	483.2	0.8	0.3	173.36	-190.1	-551.0	583.8	582.6	1.16	501.737		
600.0	600.0	580.0	580.0	1.0	0.4	173.41	-190.1	-551.7	587.0	585.6	1.42	412.686		
700.0	699.9	683.6	683.6	1.2	0.5	173.45	-190.4	-552.5	592.2	590.5	1.69	350.986		
800.0	799.7	779.1	779.0	1.4	0.6	173.53	-190.4	-553.1	598.9	596.9	1.95	307.882		
900.0	899.4	877.7	877.6	1.6	0.7	173.65	-190.2	-554.5	607.9	605.7	2.21	275.604		
1,000.0	998.9	979.3	979.3	1.8	0.8	173.80	-190.0	-555.8	618.6	616.1	2.47	250.498		
1,100.0	1,098.3	1,078.6	1,078.5	2.1	0.9	173.96	-189.6	-556.8	630.7	628.0	2.73	230.940		
1,200.0	1,197.4	1,174.8	1,174.8	2.3	0.9	174.12	-189.4	-558.0	644.8	641.8	2.99	215.631		
1,300.0	1,296.3	1,272.6	1,272.6	2.6	1.0	174.25	-189.7	-559.4	660.9	657.7	3.25	203.310		
1,400.0	1,394.9	1,372.3	1,372.2	2.9	1.1	174.39	-189.9	-560.8	678.7	675.2	3.51	193.193		
1,500.0	1,493.4	1,471.7	1,471.6	3.3	1.2	174.56	-189.9	-562.0	697.2	693.4	3.78	184.565		
1,600.0	1,591.9	1,568.5	1,568.4	3.6	1.3	174.72	-190.0	-563.2	715.6	711.6	4.04	177.169		
1,700.0	1,690.4	1,665.7	1,665.6	3.9	1.4	174.83	-190.5	-564.5	734.3	730.0	4.30	170.719		
1,800.0	1,788.9	1,765.8	1,765.7	4.3	1.5	174.94	-191.1	-565.8	753.0	748.4	4.57	164.917		
1,900.0	1,887.3	1,865.1	1,865.0	4.6	1.5	175.05	-191.5	-566.8	771.3	766.5	4.83	159.717		
2,000.0	1,985.8	1,961.2	1,961.1	4.9	1.6	175.15	-192.0	-567.8	789.8	784.7	5.09	155.153		
2,100.0	2,084.3	2,059.4	2,059.2	5.3	1.7	175.25	-192.4	-569.2	808.5	803.2	5.35	151.042		
2,200.0	2,182.8	2,158.7	2,158.5	5.6	1.8	175.34	-192.9	-570.4	827.1	821.4	5.62	147.261		
2,300.0	2,281.3	2,255.7	2,255.6	6.0	1.9	175.39	-193.8	-571.4	845.6	839.7	5.88	143.862		
2,400.0	2,379.8	2,355.0	2,354.8	6.3	2.0	175.47	-194.4	-572.7	864.3	858.2	6.14	140.736		
2,500.0	2,478.2	2,458.0	2,457.8	6.7	2.1	175.57	-194.6	-573.7	882.6	876.2	6.41	137.743		
2,600.0	2,576.7	2,554.4	2,554.2	7.0	2.2	175.67	-194.6	-574.4	900.6	893.9	6.67	135.054		
2,700.0	2,675.2	2,650.1	2,649.9	7.3	2.2	175.80	-194.2	-575.7	919.1	912.1	6.93	132.663		
2,800.0	2,773.7	2,748.6	2,748.4	7.7	2.3	175.93	-193.7	-577.1	937.5	930.3	7.19	130.398		
2,900.0	2,872.2	2,845.8	2,845.6	8.0	2.4	176.05	-193.3	-578.5	956.1	948.6	7.45	128.325		
3,000.0	2,970.7	2,943.8	2,943.6	8.4	2.5	176.16	-193.0	-579.9	974.7	967.0	7.71	126.392		
3,100.0	3,069.1	3,043.4	3,043.1	8.7	2.6	176.25	-193.1	-581.2	993.3	985.4	7.97	124.558		
3,200.0	3,167.6	3,141.9	3,141.6	9.1	2.7	176.33	-193.0	-582.4	1,011.8	1,003.5	8.24	122.833		
3,300.0	3,266.1	3,238.1	3,237.9	9.4	2.8	176.44	-192.5	-583.9	1,030.4	1,021.9	8.50	121.270		
3,400.0	3,364.6	3,339.2	3,339.0	9.8	2.8	176.54	-192.2	-585.4	1,049.0	1,040.2	8.76	119.742		
3,500.0	3,463.1	3,441.0	3,440.7	10.1	2.9	176.67	-191.3	-586.5	1,067.2	1,058.1	9.02	118.245		
3,600.0	3,561.5	3,538.2	3,537.9	10.5	3.0	176.79	-190.3	-587.6	1,085.3	1,076.0	9.29	116.888		
3,700.0	3,660.0	3,636.7	3,636.4	10.8	3.1	176.88	-189.8	-588.7	1,103.5	1,094.0	9.55	115.592		
3,800.0	3,758.5	3,737.6	3,737.4	11.2	3.2	176.97	-189.3	-589.7	1,121.7	1,111.9	9.81	114.335		
3,900.0	3,857.0	3,839.3	3,839.0	11.5	3.3	177.06	-188.5	-590.3	1,139.4	1,129.3	10.07	113.095		
4,000.0	3,955.5	3,938.6	3,938.3	11.9	3.4	177.15	-187.9	-590.9	1,157.1	1,146.8	10.34	111.945		
4,100.0	4,054.0	4,042.2	4,041.9	12.3	3.5	177.21	-187.6	-591.0	1,174.4	1,163.8	10.60	110.769		
7,900.0	7,521.6	7,508.5	7,507.7	17.1	6.5	-78.74	-158.0	-580.9	1,151.1	1,128.1	22.97	50.110		
8,000.0	7,523.0	7,510.0	7,509.1	16.9	6.5	-90.02	-158.0	-580.9	1,057.2	1,034.1	23.17	45.632		
8,100.0	7,523.0	7,509.9	7,509.0	17.1	6.5	-90.01	-158.0	-580.9	964.5	941.0	23.46	41.116		
8,200.0	7,523.0	7,509.8	7,509.0	17.6	6.5	-90.00	-158.0	-580.9	873.4	849.3	24.09	36.250		
8,300.0	7,523.0	7,509.7	7,508.9	18.6	6.5	-89.98	-158.0	-580.9	784.5	759.4	25.04	31.328		
8,400.0	7,523.0	7,509.7	7,508.8	19.8	6.5	-89.97	-158.0	-580.9	698.5	672.3	26.25	26.607		
8,500.0	7,523.0	7,509.6	7,508.8	21.3	6.5	-89.96	-158.0	-580.9	616.8	589.1	27.69	22.280		
8,600.0	7,523.0	7,509.5	7,508.7	22.9	6.5	-89.95	-158.0	-580.9	541.3	512.0	29.30	18.477		
8,700.0	7,523.0	7,509.5	7,508.6	24.7	6.5	-89.94	-158.0	-580.9	474.9	443.9	31.05	15.294		
8,800.0	7,523.0	7,509.4	7,508.5	26.5	6.5	-89.93	-158.0	-580.9	422.0	389.1	32.92	12.819		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - MCCONAHAY 1 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 200-Gyro													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)				
8,900.0	7,523.0	7,509.3	7,508.5	28.5	6.5	-89.92	-158.0	-580.9	388.1	353.3	34.89	11.126		
8,987.3	7,523.0	7,509.3	7,508.4	30.3	6.5	-89.91	-158.0	-580.9	378.2	341.5	36.66	10.315 CC		
9,000.0	7,523.0	7,509.3	7,508.4	30.5	6.5	-89.91	-158.0	-580.9	378.4	341.5	36.92	10.249 ES		
9,100.0	7,523.0	7,509.2	7,508.3	32.6	6.5	-89.90	-158.0	-580.9	394.6	355.6	39.02	10.113 SF		
9,200.0	7,523.0	7,509.1	7,508.3	34.8	6.5	-89.89	-158.0	-580.9	433.9	392.8	41.17	10.540		
9,300.0	7,523.0	7,509.1	7,508.2	37.0	6.5	-89.88	-158.0	-580.9	490.8	447.4	43.36	11.319		
9,400.0	7,523.0	7,509.0	7,508.1	39.2	6.5	-89.87	-158.0	-580.9	559.8	514.2	45.58	12.282		
9,500.0	7,523.0	7,508.9	7,508.1	41.5	6.5	-89.86	-158.0	-580.9	637.1	589.3	47.83	13.320		
9,600.0	7,523.0	7,508.9	7,508.0	43.7	6.5	-89.85	-158.0	-580.9	720.1	669.9	50.11	14.370		
9,700.0	7,523.0	7,508.8	7,508.0	46.0	6.5	-89.84	-158.0	-580.9	806.9	754.5	52.40	15.397		
9,800.0	7,523.0	7,508.7	7,507.9	48.3	6.5	-89.83	-158.0	-580.9	896.4	841.7	54.72	16.383		
9,900.0	7,523.0	7,508.7	7,507.8	50.7	6.5	-89.82	-158.0	-580.9	988.0	930.9	57.05	17.319		
10,000.0	7,523.0	7,508.6	7,507.8	53.0	6.5	-89.81	-158.0	-580.9	1,081.0	1,021.7	59.39	18.203		
10,100.0	7,523.0	7,508.5	7,507.7	55.4	6.5	-89.80	-158.0	-580.9	1,175.3	1,113.5	61.74	19.035		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1A-34H - Hz - Hz													Offset Site Error:	0.0 ft
Survey Program: 785-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	50.91	680.1	837.3	1,078.7					
100.0	100.0	97.0	97.0	0.1	0.2	50.91	680.1	837.3	1,078.7	1,078.4	0.30	3,624.555		
200.0	200.0	197.0	197.0	0.3	0.3	50.91	680.1	837.3	1,078.7	1,078.1	0.64	1,674.982		
300.0	300.0	297.0	297.0	0.5	0.5	50.91	680.1	837.3	1,078.7	1,077.7	0.99	1,089.151		
400.0	400.0	397.0	397.0	0.7	0.7	50.91	680.1	837.3	1,078.7	1,077.4	1.34	806.925		
500.0	500.0	497.0	497.0	0.8	0.9	-26.72	680.1	837.3	1,077.9	1,076.2	1.68	640.408		
600.0	600.0	597.0	597.0	1.0	1.0	-26.80	680.1	837.3	1,075.6	1,073.6	2.03	529.895		
700.0	699.9	696.9	696.9	1.2	1.2	-26.92	680.1	837.3	1,071.7	1,069.3	2.38	450.811		
800.0	799.7	796.1	796.1	1.4	1.4	-27.09	680.1	837.3	1,066.3	1,063.5	2.73	391.218		
900.0	899.4	890.6	890.6	1.6	1.5	-27.33	680.7	837.2	1,059.6	1,056.5	3.07	345.075		
1,000.0	998.9	988.1	988.1	1.8	1.7	-27.68	682.1	836.9	1,051.8	1,048.3	3.42	307.109		
1,100.0	1,098.3	1,091.2	1,091.2	2.1	1.9	-28.09	683.5	836.5	1,042.3	1,038.5	3.79	274.763		
1,200.0	1,197.4	1,191.9	1,191.8	2.3	2.1	-28.56	684.6	836.0	1,031.1	1,027.0	4.16	247.624		
1,300.0	1,296.3	1,293.2	1,293.2	2.6	2.2	-29.09	685.5	835.4	1,018.3	1,013.7	4.54	224.125		
1,400.0	1,394.9	1,394.5	1,394.4	2.9	2.4	-29.69	686.2	834.5	1,003.7	998.8	4.93	203.508		
1,500.0	1,493.4	1,494.6	1,494.5	3.3	2.6	-30.27	687.0	833.4	988.3	983.0	5.33	185.425		
1,600.0	1,591.9	1,595.1	1,595.0	3.6	2.8	-30.87	687.6	832.2	972.8	967.0	5.73	169.651		
1,700.0	1,690.4	1,696.1	1,696.1	3.9	2.9	-31.49	688.0	830.8	957.1	951.0	6.14	155.766		
1,800.0	1,788.9	1,798.7	1,798.6	4.3	3.1	-32.15	688.2	829.0	941.2	934.7	6.56	143.400		
1,900.0	1,887.3	1,897.3	1,897.2	4.6	3.3	-32.79	688.0	827.1	925.1	918.1	6.98	132.528		
2,000.0	1,985.8	1,992.1	1,992.0	4.9	3.5	-33.43	688.0	825.5	909.3	901.9	7.40	122.950		
2,100.0	2,084.3	2,091.5	2,091.3	5.3	3.6	-34.12	688.1	824.0	893.8	886.0	7.82	114.237		
2,200.0	2,182.8	2,194.0	2,193.9	5.6	3.8	-34.82	687.5	822.6	878.1	869.8	8.26	106.264		
2,300.0	2,281.3	2,290.1	2,289.9	6.0	4.0	-35.50	686.9	821.2	862.3	853.6	8.70	99.163		
2,400.0	2,379.8	2,391.8	2,391.6	6.3	4.2	-36.27	686.4	819.4	846.7	837.5	9.15	92.568		
2,500.0	2,478.2	2,486.4	2,486.2	6.7	4.3	-37.04	686.1	817.5	831.1	821.5	9.59	86.657		
2,600.0	2,576.7	2,582.7	2,582.5	7.0	4.5	-37.87	686.4	815.4	816.1	806.0	10.05	81.224		
2,700.0	2,675.2	2,672.5	2,672.3	7.3	4.7	-38.71	687.3	813.6	801.8	791.3	10.50	76.374		
2,800.0	2,773.7	2,764.3	2,764.0	7.7	4.8	-39.57	688.7	812.4	788.7	777.8	10.96	71.976		
2,900.0	2,872.2	2,854.6	2,854.4	8.0	5.0	-40.36	690.1	812.7	776.7	765.3	11.42	68.031		
3,000.0	2,970.7	2,948.7	2,948.4	8.4	5.1	-41.18	692.0	813.6	765.7	753.8	11.89	64.414		
3,100.0	3,069.1	3,048.0	3,047.7	8.7	5.3	-42.05	694.0	815.1	755.2	742.8	12.38	61.023		
3,200.0	3,167.6	3,144.7	3,144.4	9.1	5.5	-42.95	696.2	816.3	744.8	732.0	12.87	57.891		
3,300.0	3,266.1	3,243.1	3,242.7	9.4	5.7	-43.89	698.7	817.6	734.9	721.5	13.37	54.977		
3,400.0	3,364.6	3,342.2	3,341.8	9.8	5.8	-44.87	701.2	818.7	725.2	711.3	13.88	52.249		
3,500.0	3,463.1	3,438.4	3,437.9	10.1	6.0	-45.85	703.8	819.8	715.8	701.4	14.39	49.739		
3,600.0	3,561.5	3,533.3	3,532.8	10.5	6.2	-46.80	706.3	821.7	707.1	692.2	14.90	47.452		
3,700.0	3,660.0	3,644.4	3,643.8	10.8	6.4	-47.80	708.0	825.0	698.0	682.6	15.45	45.191		
3,800.0	3,758.5	3,745.0	3,744.4	11.2	6.5	-48.72	708.6	827.5	688.2	672.2	15.97	43.078		
3,900.0	3,857.0	3,847.7	3,847.0	11.5	6.7	-49.77	709.4	829.1	678.1	661.6	16.52	41.042		
4,000.0	3,955.5	3,949.3	3,948.6	11.9	6.9	-50.90	709.8	829.8	667.6	650.5	17.08	39.090		
4,100.0	4,054.0	4,044.9	4,044.3	12.3	7.1	-52.05	710.6	830.0	657.5	639.9	17.63	37.292		
4,200.0	4,152.4	4,142.4	4,141.8	12.6	7.2	-53.26	711.7	830.2	648.0	629.8	18.20	35.611		
4,300.0	4,250.9	4,239.6	4,238.9	13.0	7.4	-54.37	712.3	831.7	638.9	620.1	18.76	34.062		
4,400.0	4,349.4	4,335.3	4,334.6	13.3	7.6	-55.46	713.2	833.8	630.5	611.2	19.32	32.640		
4,500.0	4,447.9	4,434.3	4,433.6	13.7	7.7	-56.67	714.5	835.6	622.6	602.8	19.90	31.295		
4,600.0	4,546.4	4,533.7	4,532.9	14.0	7.9	-57.96	715.9	836.7	614.8	594.3	20.49	30.010		
4,700.0	4,644.9	4,634.2	4,633.4	14.4	8.1	-59.27	717.2	838.2	607.5	586.4	21.08	28.811		
4,800.0	4,743.3	4,738.6	4,737.8	14.7	8.3	-60.69	717.8	839.2	599.5	577.8	21.70	27.627		
4,900.0	4,841.8	4,837.6	4,836.9	15.1	8.4	-62.10	717.9	839.7	591.4	569.1	22.31	26.510		
5,000.0	4,940.3	4,934.2	4,933.4	15.4	8.6	-63.51	718.2	840.3	583.8	560.9	22.91	25.482		
5,100.0	5,038.8	5,032.5	5,031.8	15.8	8.8	-64.99	718.8	840.9	577.0	553.4	23.53	24.524		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1A-34H - Hz - Hz													Offset Site Error:	0.0 ft
Survey Program: 785-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
5,200.0	5,137.3	5,129.8	5,129.0	16.1	9.0	-66.48	719.4	841.6	570.5	546.4	24.14	23.634		
5,300.0	5,235.8	5,226.6	5,225.8	16.5	9.1	-67.98	720.3	842.4	564.8	540.0	24.75	22.819		
5,400.0	5,334.2	5,314.0	5,313.2	16.8	9.3	-69.28	721.8	844.1	560.4	535.1	25.33	22.124		
5,500.0	5,432.7	5,400.6	5,399.6	17.2	9.4	-70.25	725.0	849.3	558.8	532.9	25.89	21.587		
5,600.0	5,531.2	5,503.2	5,501.6	17.5	9.6	-71.06	729.3	858.8	558.4	531.9	26.46	21.099		
5,700.0	5,629.7	5,599.2	5,596.8	17.9	9.8	-71.55	732.7	870.2	557.6	530.6	27.01	20.644		
5,707.6	5,637.2	5,605.9	5,603.5	17.9	9.8	-71.58	733.0	871.2	557.6	530.6	27.05	20.613		
5,800.0	5,728.2	5,692.0	5,688.6	18.2	10.0	-71.75	737.1	884.2	558.4	530.8	27.54	20.273		
5,900.0	5,826.7	5,797.9	5,792.7	18.6	10.2	-71.73	741.6	902.3	558.9	530.8	28.09	19.894		
6,000.0	5,925.1	5,890.0	5,882.9	18.9	10.4	-71.48	745.6	920.5	559.8	531.2	28.61	19.565		
6,100.0	6,023.6	6,005.8	5,995.7	19.3	10.7	-70.77	749.1	946.9	559.8	530.6	29.17	19.192		
6,165.6	6,088.2	6,064.3	6,052.7	19.5	10.9	-70.43	750.3	959.9	559.2	529.7	29.50	18.954		
6,200.0	6,122.1	6,091.9	6,079.6	19.6	10.9	-70.27	751.3	966.1	559.4	529.8	29.67	18.852		
6,300.0	6,220.6	6,183.3	6,168.5	20.0	11.2	-69.78	756.3	986.6	561.8	531.6	30.20	18.605		
6,400.0	6,319.1	6,279.3	6,261.8	20.4	11.5	-69.23	761.9	1,008.5	564.9	534.1	30.74	18.378		
6,500.0	6,417.5	6,384.0	6,363.6	20.7	11.8	-68.69	768.5	1,031.9	568.3	537.0	31.30	18.156		
6,600.0	6,516.0	6,523.2	6,500.7	21.1	12.1	-68.82	774.5	1,054.3	569.1	537.2	31.98	17.798		
6,700.0	6,614.5	6,652.9	6,630.2	21.4	12.3	-71.27	774.0	1,051.2	562.4	529.6	32.74	17.176		
6,800.0	6,713.0	6,822.5	6,794.3	21.8	12.3	-77.94	759.1	1,013.4	546.1	512.4	33.69	16.208		
6,900.0	6,811.5	6,905.5	6,870.2	22.1	12.3	-82.79	747.9	981.6	529.3	495.0	34.28	15.439		
7,000.0	6,910.4	7,010.2	6,958.8	22.4	12.3	-74.59	730.9	928.8	516.7	482.0	34.71	14.886		
7,100.0	7,010.2	7,098.5	7,028.8	22.4	12.4	55.63	712.1	878.4	505.2	470.4	34.73	14.547		
7,200.0	7,108.1	7,173.8	7,083.4	22.2	12.6	62.97	694.3	829.8	495.3	460.9	34.42	14.390		
7,300.0	7,201.3	7,245.4	7,129.5	21.7	12.9	62.04	677.1	777.7	487.7	453.9	33.80	14.428		
7,400.0	7,286.9	7,329.0	7,177.1	21.0	13.4	59.36	655.8	712.5	479.7	446.7	32.95	14.559		
7,500.0	7,362.2	7,411.3	7,219.2	20.2	14.0	57.10	633.8	645.2	469.0	437.0	31.98	14.666		
7,600.0	7,425.1	7,502.3	7,260.3	19.2	15.0	55.23	607.0	568.7	452.8	421.7	31.09	14.562		
7,700.0	7,473.5	7,578.5	7,286.5	18.4	16.0	54.29	581.9	501.7	432.0	401.6	30.34	14.236		
7,800.0	7,506.0	7,661.3	7,308.8	17.6	17.3	53.91	553.0	427.4	405.8	375.7	30.04	13.506		
7,900.0	7,521.6	7,730.0	7,321.1	17.1	18.4	54.79	529.3	364.2	376.2	345.9	30.29	12.420		
8,000.0	7,523.0	7,798.0	7,328.1	16.9	19.6	54.78	507.6	300.1	346.0	315.0	31.04	11.149		
8,100.0	7,523.0	7,876.0	7,329.2	17.1	21.1	52.58	483.8	225.9	321.5	289.7	31.83	10.102		
8,200.0	7,523.0	7,971.3	7,325.5	17.6	23.0	48.69	454.1	135.4	300.7	268.2	32.49	9.257		
8,300.0	7,523.0	8,072.2	7,320.9	18.6	25.1	43.73	421.7	40.0	281.2	248.5	32.76	8.585		
8,400.0	7,523.0	8,180.7	7,318.6	19.8	27.4	37.37	383.2	-61.4	260.1	227.9	32.18	8.082		
8,500.0	7,523.0	8,280.6	7,319.2	21.3	29.5	30.09	344.1	-153.4	237.6	207.1	30.46	7.800		
8,600.0	7,523.0	8,375.2	7,320.0	22.9	31.5	21.55	305.3	-239.6	218.4	190.9	27.45	7.954		
8,700.0	7,523.0	8,466.9	7,320.7	24.7	33.5	11.29	264.6	-321.9	204.3	180.7	23.57	8.666		
8,800.0	7,523.0	8,555.5	7,321.4	26.5	35.4	0.19	224.1	-400.6	198.6	177.0	21.69	9.159		
8,801.2	7,523.0	8,556.6	7,321.4	26.6	35.4	0.05	223.6	-401.5	198.6	176.9	21.69	9.157 CC, ES		
8,900.0	7,523.0	8,641.4	7,320.7	28.5	37.3	-10.78	184.2	-476.7	204.2	179.3	24.90	8.199		
9,000.0	7,523.0	8,731.0	7,318.7	30.5	39.2	-21.11	143.0	-556.2	220.0	187.6	32.35	6.800		
9,100.0	7,523.0	8,823.8	7,316.2	32.6	41.3	-29.84	102.4	-639.6	242.1	201.1	40.99	5.907		
9,200.0	7,523.0	8,919.3	7,314.6	34.8	43.5	-37.27	61.5	-725.9	267.8	218.2	49.63	5.396		
9,300.0	7,523.0	9,018.1	7,314.1	37.0	45.7	-43.45	21.1	-816.0	294.9	237.1	57.79	5.103		
9,400.0	7,523.0	9,123.1	7,315.6	39.2	48.1	-48.90	-19.9	-912.7	322.0	256.3	65.70	4.900		
9,500.0	7,523.0	9,229.4	7,317.9	41.5	50.6	-53.14	-56.8	-1,012.4	347.0	274.2	72.83	4.765		
9,600.0	7,523.0	9,331.9	7,320.1	43.7	53.0	-56.28	-88.5	-1,109.7	370.1	290.9	79.15	4.676		
9,700.0	7,523.0	9,429.2	7,321.2	46.0	55.3	-58.69	-117.4	-1,202.7	393.4	308.5	84.89	4.634		
9,800.0	7,523.0	9,526.0	7,321.1	48.3	57.5	-60.59	-145.1	-1,295.4	416.9	326.6	90.32	4.616		
9,900.0	7,523.0	9,626.8	7,319.8	50.7	59.9	-62.15	-172.7	-1,392.4	440.2	344.6	95.64	4.603		
10,000.0	7,523.0	9,731.9	7,317.9	53.0	62.4	-63.43	-199.7	-1,494.0	462.5	361.5	100.91	4.583		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1A-34H - Hz - Hz													Offset Site Error:	0.0 ft
Survey Program: 785-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Separation Factor		
10,100.0	7,523.0	9,839.6	7,315.7	55.4	65.0	-64.44	-224.8	-1,598.6	482.8	376.7	106.11	4.550		
10,200.0	7,523.0	9,942.9	7,314.6	57.7	67.4	-65.39	-247.7	-1,699.3	501.9	390.7	111.22	4.512		
10,300.0	7,523.0	10,047.6	7,314.8	60.1	69.9	-66.37	-270.0	-1,801.6	519.7	403.3	116.45	4.463		
10,400.0	7,523.0	10,159.5	7,314.8	62.5	72.6	-67.24	-292.1	-1,911.3	536.4	414.6	121.80	4.404		
10,500.0	7,523.0	10,281.0	7,316.3	64.8	75.5	-68.09	-311.6	-2,031.3	549.2	421.8	127.42	4.310		
10,600.0	7,523.0	10,403.5	7,315.6	67.2	78.4	-68.46	-325.1	-2,152.9	558.0	425.3	132.71	4.205		
10,700.0	7,523.0	10,510.1	7,310.1	69.6	80.9	-68.11	-331.5	-2,259.2	563.9	426.9	137.02	4.115		
10,800.0	7,523.0	10,599.5	7,302.5	72.0	83.0	-67.52	-336.2	-2,348.2	570.4	429.7	140.70	4.054		
10,900.0	7,523.0	10,680.0	7,293.6	74.4	84.9	-66.85	-341.5	-2,428.0	579.3	435.3	144.04	4.022		
11,000.0	7,523.0	10,761.7	7,282.6	76.9	86.8	-66.10	-348.9	-2,508.7	591.5	444.2	147.25	4.017		
11,100.0	7,523.0	10,841.8	7,270.7	79.3	88.7	-65.37	-358.5	-2,587.2	607.0	456.6	150.38	4.037		
11,200.0	7,523.0	10,947.5	7,259.0	81.7	91.2	-64.94	-374.8	-2,691.0	624.1	469.7	154.37	4.043		
11,300.0	7,523.0	11,057.2	7,256.6	84.1	93.9	-65.39	-393.9	-2,799.0	639.3	479.9	159.43	4.010		
11,400.0	7,523.0	11,161.7	7,260.0	86.5	96.4	-66.28	-412.7	-2,901.7	654.6	490.0	164.54	3.978		
11,500.0	7,523.0	11,258.8	7,263.9	89.0	98.8	-67.25	-430.7	-2,997.0	670.9	500.9	170.05	3.946		
11,600.0	7,523.0	11,355.8	7,268.7	91.4	101.1	-68.23	-448.5	-3,092.3	686.9	511.3	175.60	3.912		
11,700.0	7,523.0	11,455.8	7,272.3	93.8	103.5	-69.10	-467.3	-3,190.5	703.9	522.8	181.11	3.887		
11,800.0	7,523.0	11,552.3	7,276.5	96.3	105.9	-69.94	-484.6	-3,285.2	720.1	533.6	186.50	3.861		
11,900.0	7,523.0	11,643.5	7,281.7	98.7	108.1	-70.82	-502.1	-3,374.5	737.2	545.3	191.84	3.843		
12,000.0	7,523.0	11,736.1	7,287.1	101.2	110.3	-71.72	-521.1	-3,465.1	755.6	558.4	197.22	3.831		
12,100.0	7,523.0	11,831.5	7,295.2	103.6	112.6	-72.80	-541.4	-3,557.9	774.2	571.4	202.85	3.817		
12,135.6	7,523.0	11,861.6	7,297.6	104.5	113.3	-73.11	-547.9	-3,587.2	781.2	576.5	204.69	3.816 SF		

Anticollision Report

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Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1C-34H-H266 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	180.00	-10.9	0.0	10.9					
100.0	100.0	100.0	100.0	0.1	0.1	180.00	-10.9	0.0	10.9	10.7	0.26	41.743		
200.0	200.0	200.0	200.0	0.3	0.3	180.00	-10.9	0.0	10.9	10.3	0.61	17.890		
300.0	300.0	300.0	300.0	0.5	0.5	180.00	-10.9	0.0	10.9	10.0	0.96	11.385 CC		
400.0	400.0	399.9	399.9	0.7	0.7	175.69	-11.2	0.8	11.2	9.9	1.31	8.550 ES		
500.0	500.0	499.8	499.8	0.8	0.8	90.61	-11.9	3.4	12.3	10.6	1.66	7.400		
600.0	600.0	599.7	599.6	1.0	1.0	85.57	-13.0	7.6	14.4	12.4	2.02	7.107 SF		
700.0	699.9	699.5	699.2	1.2	1.2	82.85	-14.6	13.4	17.3	14.9	2.40	7.226		
800.0	799.7	799.2	798.6	1.4	1.4	81.81	-16.7	21.0	21.0	18.3	2.79	7.550		
900.0	899.4	898.9	897.8	1.6	1.7	81.80	-19.2	30.1	25.5	22.3	3.20	7.975		
1,000.0	998.9	998.5	996.7	1.8	1.9	82.36	-22.2	41.0	30.8	27.2	3.65	8.440		
1,100.0	1,098.3	1,097.9	1,095.4	2.1	2.2	83.22	-25.7	53.5	36.9	32.7	4.14	8.911		
1,200.0	1,197.4	1,197.3	1,193.7	2.3	2.5	84.19	-29.6	67.6	43.7	39.0	4.67	9.366		
1,300.0	1,296.3	1,296.6	1,291.6	2.6	2.8	85.19	-33.9	83.3	51.3	46.1	5.24	9.791		
1,400.0	1,394.9	1,396.2	1,389.6	2.9	3.1	86.66	-38.5	100.2	59.4	53.6	5.86	10.138		
1,500.0	1,493.4	1,495.8	1,487.7	3.3	3.4	88.55	-43.2	117.1	67.6	61.1	6.51	10.383		
1,600.0	1,591.9	1,595.5	1,585.8	3.6	3.8	90.03	-47.9	134.0	75.7	68.6	7.16	10.578		
1,700.0	1,690.4	1,695.1	1,683.9	3.9	4.1	91.23	-52.5	150.9	84.0	76.1	7.82	10.735		
1,800.0	1,788.9	1,794.8	1,782.0	4.3	4.5	92.21	-57.2	167.8	92.2	83.7	8.49	10.864		
1,900.0	1,887.3	1,894.4	1,880.1	4.6	4.8	93.03	-61.8	184.7	100.5	91.3	9.16	10.972		
2,000.0	1,985.8	1,994.0	1,978.2	4.9	5.2	93.72	-66.5	201.6	108.8	99.0	9.83	11.064		
2,100.0	2,084.3	2,093.7	2,076.2	5.3	5.5	94.32	-71.1	218.5	117.1	106.6	10.51	11.142		
2,200.0	2,182.8	2,193.3	2,174.3	5.6	5.9	94.84	-75.8	235.4	125.4	114.2	11.19	11.210		
2,300.0	2,281.3	2,293.0	2,272.4	6.0	6.2	95.29	-80.4	252.3	133.7	121.9	11.87	11.269		
2,400.0	2,379.8	2,392.6	2,370.5	6.3	6.6	95.69	-85.1	269.2	142.1	129.5	12.55	11.321		
2,500.0	2,478.2	2,492.3	2,468.6	6.7	6.9	96.05	-89.8	286.1	150.4	137.2	13.23	11.367		
2,600.0	2,576.7	2,591.9	2,566.7	7.0	7.3	96.37	-94.4	303.0	158.8	144.8	13.92	11.408		
2,700.0	2,675.2	2,691.6	2,664.8	7.3	7.6	96.65	-99.1	319.9	167.1	152.5	14.60	11.445		
2,800.0	2,773.7	2,791.2	2,762.9	7.7	8.0	96.91	-103.7	336.8	175.5	160.2	15.29	11.478		
2,900.0	2,872.2	2,890.9	2,861.0	8.0	8.3	97.15	-108.4	353.7	183.8	167.8	15.97	11.508		
3,000.0	2,970.7	2,990.5	2,959.1	8.4	8.7	97.36	-113.0	370.6	192.2	175.5	16.66	11.536		
3,100.0	3,069.1	3,090.2	3,057.2	8.7	9.0	97.56	-117.7	387.5	200.5	183.2	17.35	11.561		
3,200.0	3,167.6	3,189.8	3,155.3	9.1	9.4	97.74	-122.4	404.4	208.9	190.9	18.03	11.584		
3,300.0	3,266.1	3,289.5	3,253.4	9.4	9.7	97.91	-127.0	421.3	217.3	198.5	18.72	11.605		
3,400.0	3,364.6	3,389.1	3,351.5	9.8	10.1	98.06	-131.7	438.2	225.6	206.2	19.41	11.625		
3,500.0	3,463.1	3,488.8	3,449.6	10.1	10.4	98.21	-136.3	455.1	234.0	213.9	20.10	11.643		
3,600.0	3,561.5	3,588.4	3,547.6	10.5	10.8	98.34	-141.0	472.0	242.4	221.6	20.79	11.660		
3,700.0	3,660.0	3,688.1	3,645.7	10.8	11.1	98.47	-145.6	488.9	250.7	229.3	21.48	11.676		
3,800.0	3,758.5	3,787.7	3,743.8	11.2	11.5	98.58	-150.3	505.8	259.1	236.9	22.17	11.690		
3,900.0	3,857.0	3,887.4	3,841.9	11.5	11.8	98.69	-154.9	522.8	267.5	244.6	22.85	11.704		
4,000.0	3,955.5	3,987.0	3,940.0	11.9	12.2	98.80	-159.6	539.7	275.9	252.3	23.54	11.717		
4,100.0	4,054.0	4,086.6	4,038.1	12.3	12.6	98.89	-164.3	556.6	284.2	260.0	24.23	11.729		
4,200.0	4,152.4	4,186.3	4,136.2	12.6	12.9	98.98	-168.9	573.5	292.6	267.7	24.92	11.740		
4,300.0	4,250.9	4,285.9	4,234.3	13.0	13.3	99.07	-173.6	590.4	301.0	275.4	25.61	11.751		
4,400.0	4,349.4	4,385.6	4,332.4	13.3	13.6	99.15	-178.2	607.3	309.4	283.1	26.30	11.761		
4,500.0	4,447.9	4,485.2	4,430.5	13.7	14.0	99.23	-182.9	624.2	317.7	290.8	26.99	11.771		
4,600.0	4,546.4	4,584.9	4,528.6	14.0	14.3	99.30	-187.5	641.1	326.1	298.4	27.69	11.780		
4,700.0	4,644.9	4,684.5	4,626.7	14.4	14.7	99.37	-192.2	658.0	334.5	306.1	28.38	11.788		
4,800.0	4,743.3	4,784.2	4,724.8	14.7	15.0	99.44	-196.9	674.9	342.9	313.8	29.07	11.796		
4,900.0	4,841.8	4,883.8	4,822.9	15.1	15.4	99.50	-201.5	691.8	351.3	321.5	29.76	11.804		
5,000.0	4,940.3	4,983.5	4,921.0	15.4	15.7	99.56	-206.2	708.7	359.6	329.2	30.45	11.812		
5,100.0	5,038.8	5,083.1	5,019.0	15.8	16.1	99.62	-210.8	725.6	368.0	336.9	31.14	11.819		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1C-34H-H266 - Hz - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-Geolink MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,200.0	5,137.3	5,182.8	5,117.1	16.1	16.5	99.67	-215.5	742.5	376.4	344.6	31.83	11.825		
5,300.0	5,235.8	5,282.4	5,215.2	16.5	16.8	99.73	-220.1	759.4	384.8	352.3	32.52	11.832		
5,400.0	5,334.2	5,382.1	5,313.3	16.8	17.2	99.78	-224.8	776.3	393.2	360.0	33.21	11.838		
5,500.0	5,432.7	5,481.7	5,411.4	17.2	17.5	99.82	-229.4	793.2	401.6	367.6	33.90	11.844		
5,600.0	5,531.2	5,581.4	5,509.5	17.5	17.9	99.87	-234.1	810.1	409.9	375.3	34.59	11.850		
5,700.0	5,629.7	5,681.0	5,607.6	17.9	18.2	99.92	-238.8	827.0	418.3	383.0	35.29	11.855		
5,800.0	5,728.2	5,780.7	5,705.7	18.2	18.6	99.96	-243.4	843.9	426.7	390.7	35.98	11.860		
5,900.0	5,826.7	5,880.3	5,803.8	18.6	18.9	100.00	-248.1	860.8	435.1	398.4	36.67	11.865		
6,000.0	5,925.1	5,979.9	5,901.9	18.9	19.3	100.04	-252.7	877.7	443.5	406.1	37.36	11.870		
6,100.0	6,023.6	6,079.6	6,000.0	19.3	19.6	100.08	-257.4	894.6	451.8	413.8	38.05	11.875		
6,200.0	6,122.1	6,179.2	6,098.1	19.6	20.0	100.11	-262.0	911.5	460.2	421.5	38.74	11.879		
6,300.0	6,220.6	6,278.9	6,196.2	20.0	20.4	100.15	-266.7	928.4	468.6	429.2	39.43	11.883		
6,400.0	6,319.1	6,378.5	6,294.3	20.4	20.7	100.18	-271.4	945.3	477.0	436.9	40.13	11.887		
6,500.0	6,417.5	6,478.2	6,392.4	20.7	21.1	100.21	-276.0	962.2	485.4	444.6	40.82	11.891		
6,600.0	6,516.0	6,577.8	6,490.4	21.1	21.4	100.25	-280.7	979.1	493.8	452.3	41.51	11.895		
6,700.0	6,614.5	6,677.5	6,588.5	21.4	21.8	100.28	-285.3	996.0	502.2	460.0	42.20	11.899		
6,800.0	6,713.0	6,777.1	6,686.6	21.8	22.1	100.31	-290.0	1,012.9	510.5	467.6	42.89	11.903		
6,900.0	6,811.5	6,876.8	6,784.7	22.1	22.5	100.34	-294.6	1,029.8	518.9	475.3	43.58	11.906		
7,000.0	6,910.4	6,972.3	6,878.9	22.4	22.8	115.56	-299.2	1,045.3	527.5	483.3	44.16	11.945		
7,100.0	7,010.2	7,060.0	6,966.1	22.4	22.9	-108.83	-305.3	1,049.2	538.1	493.8	44.27	12.155		
7,200.0	7,108.1	7,150.0	7,055.1	22.2	22.8	-97.08	-314.0	1,039.5	551.0	507.0	43.93	12.541		
7,300.0	7,201.3	7,236.5	7,138.0	21.7	22.6	-93.85	-324.3	1,017.3	565.8	522.6	43.16	13.110		
7,400.0	7,286.9	7,326.0	7,219.0	21.0	22.2	-92.15	-336.9	981.6	582.2	540.2	41.97	13.872		
7,500.0	7,362.2	7,416.8	7,294.2	20.2	21.6	-90.98	-351.4	933.1	599.8	559.4	40.45	14.831		
7,600.0	7,425.1	7,509.2	7,361.7	19.2	20.9	-90.10	-367.4	872.1	618.2	579.5	38.70	15.974		
7,700.0	7,473.5	7,603.8	7,419.5	18.4	20.2	-89.41	-384.7	799.4	636.8	599.9	36.90	17.257		
7,800.0	7,506.0	7,701.0	7,465.2	17.6	19.4	-88.89	-403.0	715.7	655.2	619.9	35.28	18.571		
7,900.0	7,521.6	7,801.4	7,496.7	17.1	18.7	-88.53	-421.9	622.5	672.8	638.7	34.08	19.742		
8,000.0	7,523.0	7,905.5	7,511.3	16.9	18.1	-89.01	-440.9	521.3	689.2	655.7	33.52	20.564		
8,100.0	7,523.0	8,006.3	7,512.0	17.1	17.7	-89.09	-458.4	422.0	704.9	671.2	33.69	20.920		
8,200.0	7,523.0	8,105.1	7,512.0	17.6	17.3	-89.11	-475.6	324.7	720.5	686.0	34.56	20.850		
8,300.0	7,523.0	8,203.9	7,512.0	18.6	17.5	-89.13	-492.7	227.5	736.2	700.1	36.06	20.417		
8,400.0	7,523.0	8,302.6	7,512.0	19.8	18.7	-89.15	-509.9	130.2	751.8	713.7	38.12	19.720		
8,500.0	7,523.0	8,401.4	7,512.0	21.3	20.1	-89.17	-527.0	32.9	767.5	726.8	40.67	18.871		
8,600.0	7,523.0	8,500.2	7,512.0	22.9	21.7	-89.19	-544.2	-64.4	783.1	739.5	43.61	17.956		
8,700.0	7,523.0	8,598.9	7,512.0	24.7	23.4	-89.20	-561.3	-161.6	798.7	751.9	46.88	17.039		
8,800.0	7,523.0	8,697.7	7,512.0	26.5	25.2	-89.22	-578.5	-258.9	814.4	764.0	50.41	16.157		
8,900.0	7,523.0	8,796.5	7,512.0	28.5	27.1	-89.23	-595.6	-356.2	830.0	775.9	54.14	15.331		
9,000.0	7,523.0	8,895.2	7,512.0	30.5	29.1	-89.25	-612.8	-453.4	845.7	787.6	58.05	14.569		
9,100.0	7,523.0	8,994.0	7,512.0	32.6	31.1	-89.26	-629.9	-550.7	861.3	799.2	62.09	13.873		
9,200.0	7,523.0	9,092.8	7,512.0	34.8	33.2	-89.27	-647.1	-648.0	877.0	810.7	66.24	13.239		
9,300.0	7,523.0	9,191.5	7,512.0	37.0	35.3	-89.29	-664.2	-745.2	892.6	822.1	70.48	12.664		
9,400.0	7,523.0	9,290.3	7,512.0	39.2	37.4	-89.30	-681.4	-842.5	908.2	833.4	74.81	12.141		
9,500.0	7,523.0	9,389.1	7,512.0	41.5	39.6	-89.31	-698.5	-939.8	923.9	844.7	79.19	11.667		
9,600.0	7,523.0	9,487.9	7,512.0	43.7	41.8	-89.32	-715.7	-1,037.0	939.5	855.9	83.63	11.234		
9,700.0	7,523.0	9,586.6	7,512.0	46.0	44.0	-89.33	-732.8	-1,134.3	955.2	867.1	88.11	10.840		
9,800.0	7,523.0	9,685.4	7,512.0	48.3	46.3	-89.34	-750.0	-1,231.6	970.8	878.2	92.64	10.480		
9,900.0	7,523.0	9,784.2	7,512.0	50.7	48.5	-89.35	-767.1	-1,328.8	986.5	889.3	97.20	10.149		
10,000.0	7,523.0	9,882.9	7,512.0	53.0	50.8	-89.36	-784.3	-1,426.1	1,002.1	900.3	101.78	9.846		
10,100.0	7,523.0	9,981.7	7,512.0	55.4	53.1	-89.37	-801.5	-1,523.4	1,017.7	911.3	106.39	9.566		
10,200.0	7,523.0	10,080.5	7,512.0	57.7	55.4	-89.38	-818.6	-1,620.6	1,033.4	922.4	111.03	9.307		
10,300.0	7,523.0	10,179.2	7,512.0	60.1	57.7	-89.39	-835.8	-1,717.9	1,049.0	933.3	115.68	9.068		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design													S34-T2N-R66W (McConahay) - McConahay 1C-34H-H266 - Hz - Plan #1		Offset Site Error:		0.0 ft	
Survey Program:													0-Geolink MWD		Offset Well Error:		0.0 ft	
Reference				Offset		Semi Major Axis		Distance										
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning					
10,400.0	7,523.0	10,278.0	7,512.0	62.5	60.0	-89.40	-852.9	-1,815.2	1,064.7	944.3	120.35	8.846						
10,500.0	7,523.0	10,376.8	7,512.0	64.8	62.4	-89.41	-870.1	-1,912.4	1,080.3	955.3	125.04	8.640						
10,600.0	7,523.0	10,475.5	7,512.0	67.2	64.7	-89.42	-887.2	-2,009.7	1,096.0	966.2	129.74	8.448						
10,700.0	7,523.0	10,574.3	7,512.0	69.6	67.0	-89.43	-904.4	-2,107.0	1,111.6	977.1	134.45	8.268						
10,800.0	7,523.0	10,673.1	7,512.0	72.0	69.4	-89.43	-921.5	-2,204.3	1,127.2	988.1	139.17	8.100						
10,900.0	7,523.0	10,771.8	7,512.0	74.4	71.7	-89.44	-938.7	-2,301.5	1,142.9	999.0	143.90	7.942						
11,000.0	7,523.0	10,870.6	7,512.0	76.9	74.1	-89.45	-955.8	-2,398.8	1,158.5	1,009.9	148.64	7.794						
11,100.0	7,523.0	10,969.4	7,512.0	79.3	76.4	-89.46	-973.0	-2,496.1	1,174.2	1,020.8	153.39	7.655						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1D-34H-H266 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	1.0	1.0	0.0	0.0	180.00	-21.9	0.0	21.9					
100.0	100.0	101.0	101.0	0.1	0.1	180.00	-21.9	0.0	21.9	21.6	0.26	82.934		
166.3	166.3	167.3	167.3	0.2	0.2	180.00	-21.9	0.0	21.9	21.4	0.50	44.148 CC		
200.0	200.0	201.0	201.0	0.3	0.3	180.00	-21.9	0.0	21.9	21.2	0.61	35.678 ES		
300.0	300.0	300.7	300.7	0.5	0.5	178.53	-22.5	0.6	22.5	21.6	0.96	23.439		
400.0	400.0	400.3	400.3	0.7	0.7	174.68	-24.5	2.3	24.6	23.3	1.31	18.766		
500.0	500.0	500.0	499.9	0.8	0.8	93.69	-27.8	5.1	28.3	26.7	1.66	17.033		
600.0	600.0	599.3	598.9	1.0	1.0	92.60	-32.4	9.1	33.7	31.7	2.02	16.665 SF		
700.0	699.9	698.5	697.9	1.2	1.3	93.01	-38.3	14.1	40.6	38.2	2.39	16.987		
800.0	799.7	797.5	796.4	1.4	1.5	94.23	-45.5	20.3	49.1	46.3	2.78	17.686		
900.0	899.4	896.2	894.4	1.6	1.7	95.81	-53.9	27.5	59.2	56.0	3.19	18.590		
1,000.0	998.9	994.5	992.0	1.8	2.0	97.48	-63.6	35.8	71.0	67.3	3.62	19.594		
1,100.0	1,098.3	1,092.5	1,088.9	2.1	2.3	99.09	-74.5	45.2	84.4	80.3	4.09	20.628		
1,200.0	1,197.4	1,190.1	1,185.2	2.3	2.6	100.58	-86.6	55.6	99.5	94.9	4.59	21.649		
1,300.0	1,296.3	1,287.3	1,280.8	2.6	3.0	101.92	-99.9	67.0	116.2	111.1	5.14	22.628		
1,400.0	1,394.9	1,383.9	1,375.5	2.9	3.3	103.11	-114.4	79.4	134.7	129.0	5.72	23.550		
1,500.0	1,493.4	1,480.1	1,469.5	3.3	3.7	104.05	-129.9	92.7	154.6	148.3	6.33	24.443		
1,600.0	1,591.9	1,575.9	1,562.7	3.6	4.1	104.39	-146.6	107.1	175.8	168.8	6.95	25.302		
1,700.0	1,690.4	1,671.1	1,655.0	3.9	4.5	104.34	-164.4	122.3	198.1	190.5	7.58	26.134		
1,800.0	1,788.9	1,765.8	1,746.4	4.3	5.0	104.01	-183.2	138.5	221.6	213.3	8.22	26.947		
1,900.0	1,887.3	1,861.6	1,838.5	4.6	5.5	103.52	-203.2	155.6	246.0	237.1	8.87	27.729		
2,000.0	1,985.8	1,958.6	1,931.7	4.9	6.0	103.10	-223.5	173.1	270.6	261.0	9.53	28.395		
2,100.0	2,084.3	2,055.5	2,024.8	5.3	6.5	102.75	-243.8	190.5	295.1	284.9	10.19	28.967		
2,200.0	2,182.8	2,152.4	2,118.0	5.6	6.9	102.45	-264.2	207.9	319.7	308.9	10.85	29.464		
2,300.0	2,281.3	2,249.3	2,211.1	6.0	7.4	102.20	-284.5	225.4	344.3	332.8	11.52	29.898		
2,400.0	2,379.8	2,346.2	2,304.3	6.3	7.9	101.97	-304.8	242.8	368.9	356.7	12.18	30.281		
2,500.0	2,478.2	2,443.2	2,397.4	6.7	8.4	101.78	-325.1	260.3	393.5	380.6	12.85	30.622		
2,600.0	2,576.7	2,540.1	2,490.6	7.0	8.9	101.61	-345.4	277.7	418.1	404.6	13.52	30.925		
2,700.0	2,675.2	2,637.0	2,583.7	7.3	9.4	101.46	-365.7	295.1	442.7	428.5	14.19	31.198		
2,800.0	2,773.7	2,733.9	2,676.9	7.7	9.9	101.32	-386.0	312.6	467.3	452.4	14.86	31.445		
2,900.0	2,872.2	2,830.8	2,770.0	8.0	10.4	101.20	-406.4	330.0	491.9	476.4	15.53	31.669		
3,000.0	2,970.7	2,927.8	2,863.2	8.4	10.9	101.09	-426.7	347.4	516.5	500.3	16.21	31.872		
3,100.0	3,069.1	3,024.7	2,956.3	8.7	11.4	100.99	-447.0	364.9	541.1	524.3	16.88	32.059		
3,200.0	3,167.6	3,121.6	3,049.5	9.1	11.9	100.90	-467.3	382.3	565.7	548.2	17.55	32.230		
3,300.0	3,266.1	3,218.5	3,142.6	9.4	12.4	100.81	-487.6	399.7	590.4	572.1	18.23	32.388		
3,400.0	3,364.6	3,315.4	3,235.8	9.8	12.9	100.74	-507.9	417.2	615.0	596.1	18.90	32.533		
3,500.0	3,463.1	3,412.4	3,328.9	10.1	13.4	100.67	-528.3	434.6	639.6	620.0	19.58	32.668		
3,600.0	3,561.5	3,509.3	3,422.1	10.5	13.9	100.60	-548.6	452.0	664.2	644.0	20.25	32.794		
3,700.0	3,660.0	3,606.2	3,515.2	10.8	14.4	100.54	-568.9	469.5	688.8	667.9	20.93	32.911		
3,800.0	3,758.5	3,703.1	3,608.4	11.2	14.9	100.48	-589.2	486.9	713.4	691.8	21.61	33.020		
3,900.0	3,857.0	3,800.0	3,701.5	11.5	15.4	100.43	-609.5	504.4	738.1	715.8	22.28	33.122		
4,000.0	3,955.5	3,897.0	3,794.7	11.9	15.9	100.38	-629.8	521.8	762.7	739.7	22.96	33.218		
4,100.0	4,054.0	3,993.9	3,887.8	12.3	16.4	100.33	-650.2	539.2	787.3	763.7	23.64	33.308		
4,200.0	4,152.4	4,090.8	3,981.0	12.6	16.9	100.29	-670.5	556.7	811.9	787.6	24.31	33.393		
4,300.0	4,250.9	4,187.7	4,074.1	13.0	17.4	100.25	-690.8	574.1	836.5	811.6	24.99	33.473		
4,400.0	4,349.4	4,284.6	4,167.3	13.3	17.9	100.21	-711.1	591.5	861.2	835.5	25.67	33.548		
4,500.0	4,447.9	4,381.6	4,260.4	13.7	18.4	100.17	-731.4	609.0	885.8	859.4	26.35	33.620		
4,600.0	4,546.4	4,478.5	4,353.6	14.0	18.9	100.14	-751.7	626.4	910.4	883.4	27.03	33.687		
4,700.0	4,644.9	4,575.4	4,446.7	14.4	19.4	100.10	-772.0	643.8	935.0	907.3	27.70	33.752		
4,800.0	4,743.3	4,672.3	4,539.9	14.7	19.9	100.07	-792.4	661.3	959.7	931.3	28.38	33.813		
4,900.0	4,841.8	4,769.2	4,633.0	15.1	20.4	100.04	-812.7	678.7	984.3	955.2	29.06	33.871		
5,000.0	4,940.3	4,866.2	4,726.2	15.4	20.9	100.01	-833.0	696.1	1,008.9	979.2	29.74	33.926		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design												S34-T2N-R66W (McConahay) - McConahay 1D-34H-H266 - 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	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis						
5,100.0	5,038.8	4,963.1	4,819.3	15.8	21.4	99.99	-853.3	713.6	1,033.5	1,003.1	30.42	33.979					
5,200.0	5,137.3	5,060.0	4,912.5	16.1	21.9	99.96	-873.6	731.0	1,058.2	1,027.1	31.10	34.029					
5,300.0	5,235.8	5,156.9	5,005.6	16.5	22.4	99.94	-893.9	748.5	1,082.8	1,051.0	31.77	34.077					
5,400.0	5,334.2	5,253.8	5,098.7	16.8	23.0	99.91	-914.3	765.9	1,107.4	1,075.0	32.45	34.123					
5,500.0	5,432.7	5,350.8	5,191.9	17.2	23.5	99.89	-934.6	783.3	1,132.0	1,098.9	33.13	34.167					
5,600.0	5,531.2	5,447.7	5,285.0	17.5	24.0	99.87	-954.9	800.8	1,156.7	1,122.8	33.81	34.209					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1E-34H-H266 - 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	0.00	10.9	0.0	17.0					
100.0	100.0	87.0	87.0	0.1	0.1	0.00	10.9	0.0	10.9	10.7	0.26	41.552		
200.0	200.0	187.0	187.0	0.3	0.3	0.00	10.9	0.0	10.9	10.3	0.61	17.941		
300.0	300.0	287.0	287.0	0.5	0.5	0.00	10.9	0.0	10.9	10.0	0.96	11.405 CC, ES		
400.0	400.0	386.9	386.9	0.7	0.7	2.15	11.4	0.4	11.4	10.1	1.31	8.747		
500.0	500.0	486.7	486.6	0.8	0.8	-72.64	13.2	2.0	13.1	11.4	1.66	7.903		
600.0	600.0	586.4	586.3	1.0	1.0	-72.95	16.4	4.7	15.7	13.7	2.01	7.785		
700.0	699.9	686.1	685.8	1.2	1.2	-75.06	20.8	8.5	19.2	16.8	2.38	8.049		
800.0	799.7	785.8	785.2	1.4	1.4	-77.93	26.5	13.4	23.6	20.8	2.76	8.536		
900.0	899.4	885.3	884.2	1.6	1.6	-80.92	33.6	19.5	29.0	25.9	3.17	9.151		
1,000.0	998.9	984.6	983.0	1.8	1.9	-83.70	41.9	26.6	35.5	31.9	3.62	9.829		
1,100.0	1,098.3	1,083.9	1,081.4	2.1	2.1	-86.17	51.5	34.9	43.1	39.0	4.09	10.524		
1,200.0	1,197.4	1,183.0	1,179.5	2.3	2.4	-88.30	62.4	44.2	51.7	47.1	4.62	11.207		
1,300.0	1,296.3	1,281.9	1,277.1	2.6	2.7	-90.13	74.6	54.7	61.4	56.3	5.18	11.857		
1,400.0	1,394.9	1,380.6	1,374.2	2.9	3.1	-91.69	88.0	66.2	72.2	66.5	5.80	12.464		
1,500.0	1,493.4	1,479.9	1,471.7	3.3	3.4	-92.90	102.3	78.5	83.7	77.3	6.43	13.022		
1,600.0	1,591.9	1,579.2	1,569.2	3.6	3.8	-93.81	116.6	90.8	95.2	88.2	7.07	13.464		
1,700.0	1,690.4	1,678.5	1,666.7	3.9	4.1	-94.52	130.9	103.1	106.8	99.1	7.73	13.819		
1,800.0	1,788.9	1,777.8	1,764.2	4.3	4.5	-95.09	145.2	115.3	118.3	110.0	8.39	14.111		
1,900.0	1,887.3	1,877.1	1,861.7	4.6	4.9	-95.57	159.5	127.6	129.9	120.9	9.05	14.353		
2,000.0	1,985.8	1,976.5	1,959.2	4.9	5.2	-95.96	173.8	139.9	141.5	131.8	9.72	14.557		
2,100.0	2,084.3	2,075.8	2,056.8	5.3	5.6	-96.29	188.1	152.2	153.0	142.7	10.39	14.730		
2,200.0	2,182.8	2,175.1	2,154.3	5.6	5.9	-96.58	202.4	164.5	164.6	153.6	11.06	14.880		
2,300.0	2,281.3	2,274.4	2,251.8	6.0	6.3	-96.83	216.8	176.8	176.2	164.5	11.74	15.010		
2,400.0	2,379.8	2,373.8	2,349.3	6.3	6.7	-97.05	231.1	189.1	187.8	175.4	12.42	15.124		
2,500.0	2,478.2	2,473.1	2,446.8	6.7	7.1	-97.25	245.4	201.4	199.4	186.3	13.10	15.224		
2,600.0	2,576.7	2,572.4	2,544.3	7.0	7.4	-97.42	259.7	213.7	211.0	197.2	13.78	15.314		
2,700.0	2,675.2	2,671.7	2,641.9	7.3	7.8	-97.57	274.0	226.0	222.6	208.1	14.46	15.394		
2,800.0	2,773.7	2,771.1	2,739.4	7.7	8.2	-97.71	288.3	238.3	234.2	219.0	15.14	15.466		
2,900.0	2,872.2	2,870.4	2,836.9	8.0	8.5	-97.84	302.6	250.5	245.7	229.9	15.82	15.531		
3,000.0	2,970.7	2,969.7	2,934.4	8.4	8.9	-97.95	316.9	262.8	257.3	240.8	16.51	15.589		
3,100.0	3,069.1	3,069.0	3,031.9	8.7	9.3	-98.06	331.2	275.1	268.9	251.7	17.19	15.643		
3,200.0	3,167.6	3,168.4	3,129.4	9.1	9.6	-98.15	345.5	287.4	280.5	262.7	17.88	15.692		
3,300.0	3,266.1	3,267.7	3,227.0	9.4	10.0	-98.24	359.8	299.7	292.1	273.6	18.56	15.738		
3,400.0	3,364.6	3,367.0	3,324.5	9.8	10.4	-98.32	374.1	312.0	303.7	284.5	19.25	15.779		
3,500.0	3,463.1	3,466.3	3,422.0	10.1	10.8	-98.40	388.5	324.3	315.3	295.4	19.94	15.818		
3,600.0	3,561.5	3,565.7	3,519.5	10.5	11.1	-98.47	402.8	336.6	326.9	306.3	20.62	15.853		
3,700.0	3,660.0	3,665.0	3,617.0	10.8	11.5	-98.54	417.1	348.9	338.5	317.2	21.31	15.886		
3,800.0	3,758.5	3,764.3	3,714.5	11.2	11.9	-98.60	431.4	361.2	350.1	328.1	22.00	15.917		
3,900.0	3,857.0	3,863.6	3,812.1	11.5	12.2	-98.65	445.7	373.5	361.7	339.0	22.68	15.946		
4,000.0	3,955.5	3,963.0	3,909.6	11.9	12.6	-98.71	460.0	385.7	373.3	350.0	23.37	15.973		
4,100.0	4,054.0	4,062.3	4,007.1	12.3	13.0	-98.76	474.3	398.0	384.9	360.9	24.06	15.998		
4,200.0	4,152.4	4,161.6	4,104.6	12.6	13.4	-98.81	488.6	410.3	396.5	371.8	24.75	16.022		
4,300.0	4,250.9	4,260.9	4,202.1	13.0	13.7	-98.85	502.9	422.6	408.1	382.7	25.44	16.045		
4,400.0	4,349.4	4,360.3	4,299.6	13.3	14.1	-98.89	517.2	434.9	419.7	393.6	26.13	16.066		
4,500.0	4,447.9	4,459.6	4,397.2	13.7	14.5	-98.93	531.5	447.2	431.3	404.5	26.82	16.086		
4,600.0	4,546.4	4,558.9	4,494.7	14.0	14.9	-98.97	545.8	459.5	442.9	415.4	27.50	16.104		
4,700.0	4,644.9	4,658.2	4,592.2	14.4	15.2	-99.01	560.2	471.8	454.5	426.3	28.19	16.122		
4,800.0	4,743.3	4,757.6	4,689.7	14.7	15.6	-99.04	574.5	484.1	466.1	437.3	28.88	16.139		
4,900.0	4,841.8	4,856.9	4,787.2	15.1	16.0	-99.07	588.8	496.4	477.7	448.2	29.57	16.155		
5,000.0	4,940.3	4,956.2	4,884.7	15.4	16.3	-99.11	603.1	508.7	489.3	459.1	30.26	16.171		
5,100.0	5,038.8	5,055.5	4,982.3	15.8	16.7	-99.13	617.4	520.9	501.0	470.0	30.95	16.185		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1E-34H-H266 - 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		Separation		Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor	
5,200.0	5,137.3	5,154.8	5,079.8	16.1	17.1	-99.16	631.7	533.2	512.6	480.9	31.64	16.199	
5,300.0	5,235.8	5,254.2	5,177.3	16.5	17.5	-99.19	646.0	545.5	524.2	491.8	32.33	16.212	
5,400.0	5,334.2	5,353.5	5,274.8	16.8	17.8	-99.22	660.3	557.8	535.8	502.7	33.02	16.225	
5,500.0	5,432.7	5,452.8	5,372.3	17.2	18.2	-99.24	674.6	570.1	547.4	513.7	33.71	16.237	
5,600.0	5,531.2	5,552.1	5,469.8	17.5	18.6	-99.26	688.9	582.4	559.0	524.6	34.40	16.249	
5,700.0	5,629.7	5,651.5	5,567.4	17.9	19.0	-99.29	703.2	594.7	570.6	535.5	35.09	16.260	
5,800.0	5,728.2	5,750.8	5,664.9	18.2	19.3	-99.31	717.6	607.0	582.2	546.4	35.78	16.271	
5,900.0	5,826.7	5,850.1	5,762.4	18.6	19.7	-99.33	731.9	619.3	593.8	557.3	36.47	16.281	
6,000.0	5,925.1	5,949.4	5,859.9	18.9	20.1	-99.35	746.2	631.6	605.4	568.2	37.16	16.291	
6,100.0	6,023.6	6,048.8	5,957.4	19.3	20.5	-99.37	760.5	643.9	617.0	579.1	37.85	16.300	
6,200.0	6,122.1	6,148.1	6,054.9	19.6	20.8	-99.39	774.8	656.1	628.6	590.1	38.54	16.309	
6,300.0	6,220.6	6,247.4	6,152.5	20.0	21.2	-99.41	789.1	668.4	640.2	601.0	39.23	16.318	
6,400.0	6,319.1	6,346.7	6,250.0	20.4	21.6	-99.42	803.4	680.7	651.8	611.9	39.92	16.326	
6,500.0	6,417.5	6,446.1	6,347.5	20.7	22.0	-99.44	817.7	693.0	663.4	622.8	40.61	16.334	
6,600.0	6,516.0	6,545.4	6,445.0	21.1	22.3	-99.46	832.0	705.3	675.0	633.7	41.30	16.342	
6,700.0	6,614.5	6,644.7	6,542.5	21.4	22.7	-99.47	846.3	717.6	686.6	644.6	42.00	16.350	
6,800.0	6,713.0	6,744.0	6,640.0	21.8	23.1	-99.49	860.6	729.9	698.2	655.5	42.69	16.357	
6,900.0	6,811.5	6,815.1	6,710.1	22.1	23.3	-99.72	870.9	735.7	711.5	668.3	43.22	16.463	
7,000.0	6,910.4	6,880.3	6,774.5	22.4	23.4	-86.37	880.3	733.5	728.3	684.6	43.72	16.660	
7,100.0	7,010.2	6,950.0	6,842.6	22.4	23.5	46.93	890.3	722.9	743.7	700.0	43.73	17.005	
7,200.0	7,108.1	7,000.0	6,890.5	22.2	23.4	56.94	897.2	710.2	756.5	713.4	43.15	17.533	
7,300.0	7,201.3	7,072.8	6,957.8	21.7	23.3	58.94	907.0	684.4	766.3	724.4	41.90	18.289	
7,400.0	7,286.9	7,136.9	7,013.9	21.0	23.2	59.95	915.1	654.6	773.1	732.9	40.17	19.246	
7,500.0	7,362.2	7,200.0	7,065.6	20.2	23.0	60.94	922.5	619.3	776.7	738.6	38.08	20.399	
7,600.0	7,425.1	7,266.5	7,115.7	19.2	22.8	62.24	929.7	576.1	777.3	741.5	35.80	21.712	
7,700.0	7,473.5	7,332.5	7,160.1	18.4	22.6	63.89	936.0	527.7	775.1	741.4	33.64	23.040	
7,800.0	7,506.0	7,400.0	7,199.5	17.6	22.3	65.95	941.6	473.3	770.4	738.5	31.88	24.167	
7,900.0	7,521.6	7,468.2	7,232.6	17.1	22.1	68.39	946.2	413.8	763.9	733.1	30.79	24.806	
8,000.0	7,523.0	7,539.8	7,259.6	16.9	21.9	70.66	949.9	347.7	757.0	726.4	30.65	24.700	
8,100.0	7,523.0	7,617.4	7,279.4	17.1	21.7	72.18	952.6	272.7	753.5	722.4	31.11	24.220	
8,174.9	7,523.0	7,678.6	7,287.9	17.5	21.6	72.84	953.6	212.2	752.9	721.1	31.81	23.671	
8,200.0	7,523.0	7,700.0	7,289.3	17.6	21.5	72.96	953.7	190.9	752.9	720.9	32.05	23.490	
8,300.0	7,523.0	7,793.8	7,290.0	18.6	21.5	73.04	953.5	97.1	754.1	720.6	33.57	22.466	
8,400.0	7,523.0	7,893.8	7,290.0	19.8	21.7	73.07	953.2	-2.9	755.5	719.8	35.68	21.174	
8,500.0	7,523.0	7,993.7	7,290.0	21.3	22.3	73.10	952.8	-102.9	756.8	718.5	38.26	19.781	
8,600.0	7,523.0	8,093.7	7,290.0	22.9	23.2	73.13	952.5	-202.9	758.1	716.9	41.23	18.388	
8,700.0	7,523.0	8,193.7	7,290.0	24.7	24.5	73.16	952.1	-302.8	759.5	715.0	44.51	17.063	
8,800.0	7,523.0	8,293.7	7,290.0	26.5	26.1	73.19	951.8	-402.8	760.8	712.8	48.04	15.837	
8,900.0	7,523.0	8,393.7	7,290.0	28.5	27.8	73.22	951.4	-502.8	762.2	710.4	51.76	14.724	
9,000.0	7,523.0	8,493.7	7,290.0	30.5	29.7	73.25	951.1	-602.8	763.5	707.8	55.65	13.720	
9,100.0	7,523.0	8,593.7	7,290.0	32.6	31.6	73.28	950.7	-702.8	764.8	705.2	59.66	12.821	
9,200.0	7,523.0	8,693.7	7,290.0	34.8	33.6	73.31	950.4	-802.8	766.2	702.4	63.77	12.015	
9,300.0	7,523.0	8,793.7	7,290.0	37.0	35.7	73.34	950.0	-902.8	767.5	699.5	67.96	11.293	
9,400.0	7,523.0	8,893.7	7,290.0	39.2	37.9	73.37	949.7	-1,002.8	768.8	696.6	72.23	10.644	
9,500.0	7,523.0	8,993.7	7,290.0	41.5	40.1	73.40	949.3	-1,102.8	770.2	693.6	76.56	10.060	
9,600.0	7,523.0	9,093.6	7,290.0	43.7	42.3	73.43	949.0	-1,202.8	771.5	690.6	80.93	9.533	
9,700.0	7,523.0	9,193.6	7,290.0	46.0	44.5	73.46	948.6	-1,302.7	772.9	687.5	85.35	9.056	
9,800.0	7,523.0	9,293.6	7,290.0	48.3	46.8	73.49	948.3	-1,402.7	774.2	684.4	89.80	8.621	
9,900.0	7,523.0	9,393.6	7,290.0	50.7	49.0	73.52	947.9	-1,502.7	775.5	681.3	94.28	8.226	
10,000.0	7,523.0	9,493.6	7,290.0	53.0	51.3	73.55	947.6	-1,602.7	776.9	678.1	98.79	7.864	
10,100.0	7,523.0	9,593.6	7,290.0	55.4	53.7	73.58	947.2	-1,702.7	778.2	674.9	103.33	7.532	
10,200.0	7,523.0	9,693.6	7,290.0	57.7	56.0	73.61	946.9	-1,802.7	779.5	671.7	107.88	7.226	

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - McConahay 1E-34H-H266 - Hz - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-Geolink MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,300.0	7,523.0	9,793.6	7,290.0	60.1	58.3	73.63	946.5	-1,902.7	780.9	668.4	112.45	6.944		
10,400.0	7,523.0	9,893.6	7,290.0	62.5	60.7	73.66	946.2	-2,002.7	782.2	665.2	117.04	6.683		
10,500.0	7,523.0	9,993.6	7,290.0	64.8	63.0	73.69	945.8	-2,102.7	783.6	661.9	121.65	6.441		
10,600.0	7,523.0	10,093.5	7,290.0	67.2	65.4	73.72	945.5	-2,202.6	784.9	658.6	126.27	6.216		
10,700.0	7,523.0	10,193.5	7,290.0	69.6	67.8	73.75	945.1	-2,302.6	786.2	655.4	130.89	6.007		
10,800.0	7,523.0	10,293.5	7,290.0	72.0	70.1	73.78	944.8	-2,402.6	787.6	652.1	135.54	5.811		
10,900.0	7,523.0	10,393.5	7,290.0	74.4	72.5	73.81	944.4	-2,502.6	788.9	648.7	140.19	5.628		
11,000.0	7,523.0	10,493.5	7,290.0	76.9	74.9	73.83	944.1	-2,602.6	790.3	645.4	144.85	5.456		
11,100.0	7,523.0	10,593.5	7,290.0	79.3	77.3	73.86	943.7	-2,702.6	791.6	642.1	149.51	5.295		
11,200.0	7,523.0	10,693.5	7,290.0	81.7	79.7	73.89	943.4	-2,802.6	793.0	638.8	154.19	5.143		
11,300.0	7,523.0	10,793.5	7,290.0	84.1	82.1	73.92	943.0	-2,902.6	794.3	635.4	158.92	4.998		
11,400.0	7,523.0	10,893.5	7,290.0	86.5	84.5	73.91	942.7	-3,002.6	793.8	629.9	163.88	4.844		
11,500.0	7,523.0	10,993.5	7,290.0	89.0	86.9	73.89	942.3	-3,102.6	792.7	624.2	168.54	4.703		
11,600.0	7,523.0	11,093.5	7,290.0	91.4	89.4	73.86	942.0	-3,202.6	791.6	618.4	173.19	4.570		
11,700.0	7,523.0	11,193.5	7,290.0	93.8	91.8	73.84	941.6	-3,302.5	790.4	612.6	177.86	4.444		
11,800.0	7,523.0	11,293.4	7,290.0	96.3	94.2	73.81	941.3	-3,402.5	789.3	606.8	182.52	4.324		
11,900.0	7,523.0	11,393.4	7,290.0	98.7	96.6	73.79	940.9	-3,502.5	788.2	601.0	187.18	4.211		
12,000.0	7,523.0	11,493.4	7,290.0	101.2	99.0	73.77	940.6	-3,602.5	787.0	595.2	191.85	4.102		
12,100.0	7,523.0	11,593.4	7,290.0	103.6	101.5	73.74	940.3	-3,702.5	785.9	589.4	196.52	3.999		
12,135.6	7,523.0	11,628.2	7,290.0	104.5	102.3	73.73	940.1	-3,737.3	785.5	587.3	198.17	3.964 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - MCCONAHAY 31-34 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 100-Gyro													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		
0.0	0.0	0.0	0.0	0.0	0.0	-54.26	645.2	-896.6	1,104.6					
100.0	100.0	100.9	100.9	0.1	0.1	-54.25	645.2	-896.3	1,104.4	1,104.2	0.20	5,526.238		
200.0	200.0	204.7	204.7	0.3	0.2	-54.22	645.3	-895.4	1,103.7	1,103.3	0.47	2,373.040		
300.0	300.0	309.7	309.7	0.5	0.3	-54.17	645.4	-894.0	1,102.7	1,102.0	0.73	1,507.163		
400.0	400.0	408.5	408.5	0.7	0.3	-54.13	645.4	-892.6	1,101.6	1,100.6	0.99	1,109.587		
500.0	500.0	527.3	527.3	0.8	0.4	-131.78	644.3	-890.5	1,100.2	1,098.9	1.27	865.564		
600.0	600.0	641.8	641.7	1.0	0.6	-131.93	641.5	-887.3	1,098.2	1,096.7	1.55	709.885		
700.0	699.9	743.3	743.0	1.2	0.6	-132.16	638.2	-884.4	1,096.9	1,095.0	1.82	604.259		
756.4	756.2	798.4	798.1	1.3	0.7	-132.31	636.5	-882.7	1,096.6	1,094.7	1.97	557.353		
800.0	799.7	840.3	839.9	1.4	0.7	-132.42	635.3	-881.5	1,096.8	1,094.7	2.08	526.038		
900.0	899.4	937.0	936.6	1.6	0.8	-132.73	632.7	-878.7	1,098.2	1,095.9	2.36	465.029		
1,000.0	998.9	1,037.5	1,037.0	1.8	0.9	-133.09	630.4	-875.7	1,101.0	1,098.4	2.65	415.449		
1,100.0	1,098.3	1,135.1	1,134.6	2.1	1.0	-133.48	628.2	-872.6	1,104.9	1,101.9	2.95	374.989		
1,200.0	1,197.4	1,224.6	1,224.0	2.3	1.1	-133.91	626.2	-870.6	1,110.8	1,107.6	3.25	342.144		
1,300.0	1,296.3	1,324.9	1,324.3	2.6	1.2	-134.41	624.5	-868.4	1,118.4	1,114.8	3.57	313.456		
1,400.0	1,394.9	1,425.6	1,425.0	2.9	1.3	-134.93	623.3	-865.6	1,127.1	1,123.2	3.90	288.836		
1,500.0	1,493.4	1,521.5	1,520.8	3.3	1.4	-135.50	622.2	-863.0	1,136.6	1,132.4	4.24	268.391		
1,600.0	1,591.9	1,624.0	1,623.2	3.6	1.5	-136.10	621.1	-860.2	1,146.3	1,141.7	4.57	250.603		
1,700.0	1,690.4	1,726.9	1,726.1	3.9	1.5	-136.71	619.5	-857.2	1,155.6	1,150.7	4.91	235.200		
1,800.0	1,788.9	1,822.6	1,821.7	4.3	1.6	-137.26	618.1	-854.3	1,165.1	1,159.8	5.25	222.080		
1,900.0	1,887.3	1,918.8	1,917.9	4.6	1.7	-137.83	616.4	-852.0	1,175.0	1,169.4	5.58	210.650		
8,200.0	7,523.0	7,530.7	7,528.3	17.6	6.6	91.21	657.2	-865.9	1,146.6	1,122.4	24.17	47.431		
8,300.0	7,523.0	7,530.3	7,527.9	18.6	6.6	91.15	657.2	-865.9	1,055.0	1,029.9	25.12	41.999		
8,400.0	7,523.0	7,529.8	7,527.4	19.8	6.6	91.09	657.2	-865.9	965.1	938.8	26.33	36.651		
8,500.0	7,523.0	7,529.3	7,526.9	21.3	6.6	91.03	657.2	-865.9	877.4	849.6	27.76	31.601		
8,600.0	7,523.0	7,528.8	7,526.4	22.9	6.6	90.96	657.2	-865.9	792.6	763.2	29.38	26.981		
8,700.0	7,523.0	7,528.3	7,525.9	24.7	6.6	90.90	657.2	-865.9	711.8	680.6	31.13	22.863		
8,800.0	7,523.0	7,527.8	7,525.4	26.5	6.6	90.83	657.3	-865.9	636.4	603.4	33.00	19.284		
8,900.0	7,523.0	7,527.3	7,524.9	28.5	6.6	90.77	657.3	-865.9	568.7	533.7	34.97	16.265		
9,000.0	7,523.0	7,526.8	7,524.4	30.5	6.6	90.70	657.3	-865.9	511.7	474.7	37.00	13.828		
9,100.0	7,523.0	7,526.2	7,523.8	32.6	6.6	90.63	657.3	-865.9	469.3	430.2	39.10	12.002		
9,200.0	7,523.0	7,525.7	7,523.3	34.8	6.6	90.56	657.3	-865.9	445.7	404.4	41.25	10.804		
9,258.0	7,523.0	7,525.4	7,523.0	36.1	6.6	90.51	657.3	-865.9	441.9	399.4	42.52	10.393 CC, ES		
9,300.0	7,523.0	7,525.1	7,522.7	37.0	6.6	90.48	657.3	-865.9	443.9	400.4	43.44	10.219		
9,400.0	7,523.0	7,524.6	7,522.1	39.2	6.6	90.41	657.3	-865.9	464.1	418.5	45.66	10.165 SF		
9,500.0	7,523.0	7,524.0	7,521.6	41.5	6.6	90.33	657.3	-865.9	503.8	455.9	47.91	10.515		
9,600.0	7,523.0	7,523.4	7,521.0	43.7	6.6	90.25	657.3	-865.9	558.8	508.6	50.19	11.134		
9,700.0	7,523.0	7,522.8	7,520.4	46.0	6.6	90.18	657.3	-865.9	625.0	572.5	52.48	11.909		
9,800.0	7,523.0	7,522.1	7,519.7	48.3	6.6	90.10	657.3	-865.9	699.3	644.5	54.80	12.762		
9,900.0	7,523.0	7,521.5	7,519.1	50.7	6.6	90.01	657.3	-866.0	779.4	722.3	57.13	13.643		
10,000.0	7,523.0	7,520.9	7,518.5	53.0	6.6	89.93	657.3	-866.0	863.6	804.1	59.47	14.522		
10,100.0	7,523.0	7,520.2	7,517.8	55.4	6.5	89.84	657.3	-866.0	950.9	889.1	61.82	15.382		
10,200.0	7,523.0	7,519.5	7,517.1	57.7	6.5	89.75	657.3	-866.0	1,040.5	976.3	64.18	16.211		
10,300.0	7,523.0	7,518.8	7,516.4	60.1	6.5	89.66	657.3	-866.0	1,131.8	1,065.3	66.55	17.006		

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - MCCONAHAY 41-34 (EXISTING) - ENCANA WELL - GYRO														Offset Site Error:	0.0 ft
Survey Program: 200-Gyro														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			
0.0	0.0	0.0	0.0	0.0	0.0	29.78	775.9	444.0	894.0						
100.0	100.0	86.0	86.0	0.1	0.0	29.78	775.9	444.0	893.9	893.8	0.13	6,820.197			
200.0	200.0	191.7	191.7	0.3	0.1	29.81	775.4	444.3	893.7	893.3	0.39	2,317.670			
300.0	300.0	287.3	287.3	0.5	0.2	29.94	774.0	445.8	893.2	892.6	0.64	1,388.090			
400.0	400.0	390.3	390.2	0.7	0.3	30.14	772.2	448.4	893.0	892.1	0.91	983.485			
500.0	500.0	493.7	493.6	0.8	0.4	-47.30	769.9	451.0	891.7	890.5	1.19	752.409			
600.0	600.0	594.3	594.1	1.0	0.4	-47.26	767.7	453.0	889.1	887.6	1.45	612.079			
700.0	699.9	700.0	699.8	1.2	0.5	-47.36	765.2	454.2	884.7	882.9	1.73	512.722			
800.0	799.7	794.4	794.1	1.4	0.6	-47.57	763.2	455.1	879.1	877.1	1.99	440.662			
900.0	899.4	895.6	895.3	1.6	0.7	-47.90	761.5	455.9	872.8	870.5	2.28	383.561			
1,000.0	998.9	1,000.0	999.7	1.8	0.8	-48.38	759.6	456.0	864.9	862.3	2.57	336.475			
1,100.0	1,098.3	1,095.7	1,095.4	2.1	0.9	-48.91	757.7	456.3	855.8	852.9	2.87	298.230			
1,200.0	1,197.4	1,195.4	1,195.1	2.3	1.0	-49.57	756.0	456.7	845.9	842.7	3.19	265.310			
1,300.0	1,296.3	1,296.7	1,296.4	2.6	1.1	-50.34	753.9	457.3	834.8	831.3	3.53	236.709			
1,400.0	1,394.9	1,394.1	1,393.7	2.9	1.2	-51.20	751.8	457.9	822.6	818.7	3.88	211.885			
1,500.0	1,493.4	1,490.4	1,490.0	3.3	1.2	-52.02	749.9	458.7	810.3	806.1	4.25	190.779			
1,600.0	1,591.9	1,590.5	1,590.1	3.6	1.3	-52.91	748.0	459.4	798.2	793.6	4.62	172.615			
1,700.0	1,690.4	1,685.1	1,684.7	3.9	1.4	-53.79	746.4	459.9	786.4	781.4	5.00	157.163			
1,800.0	1,788.9	1,787.7	1,787.3	4.3	1.5	-54.76	744.7	460.5	775.0	769.6	5.40	143.533			
1,900.0	1,887.3	1,883.7	1,883.3	4.6	1.6	-55.71	743.0	460.9	763.4	757.6	5.79	131.757			
2,000.0	1,985.8	1,984.4	1,983.9	4.9	1.7	-56.73	741.3	461.4	752.3	746.1	6.20	121.315			
2,100.0	2,084.3	2,081.0	2,080.5	5.3	1.8	-57.76	739.6	461.6	741.2	734.6	6.61	112.144			
2,200.0	2,182.8	2,175.9	2,175.4	5.6	1.8	-58.82	738.4	461.7	730.9	723.8	7.02	104.064			
2,300.0	2,281.3	2,274.7	2,274.2	6.0	1.9	-59.95	737.4	461.8	721.1	713.6	7.45	96.830			
2,400.0	2,379.8	2,367.3	2,366.8	6.3	2.0	-61.10	736.9	461.4	711.7	703.9	7.87	90.442			
2,500.0	2,478.2	2,461.1	2,460.6	6.7	2.1	-62.33	737.4	460.7	703.7	695.4	8.30	84.781			
2,600.0	2,576.7	2,555.2	2,554.7	7.0	2.2	-63.61	738.4	459.9	696.5	687.8	8.74	79.718			
2,700.0	2,675.2	2,648.4	2,647.8	7.3	2.2	-64.92	740.1	458.9	690.4	681.2	9.18	75.224			
2,800.0	2,773.7	2,743.8	2,743.3	7.7	2.3	-66.28	742.4	458.2	685.4	675.8	9.63	71.197			
2,900.0	2,872.2	2,845.0	2,844.4	8.0	2.4	-67.73	745.0	457.5	680.9	670.8	10.09	67.501			
3,000.0	2,970.7	2,944.7	2,944.0	8.4	2.5	-69.15	746.8	457.1	676.2	665.7	10.55	64.104			
3,100.0	3,069.1	3,039.7	3,039.1	8.7	2.6	-70.51	748.9	456.8	672.4	661.4	11.01	61.088			
3,200.0	3,167.6	3,138.5	3,137.8	9.1	2.7	-71.91	751.3	456.9	669.2	657.7	11.47	58.336			
3,300.0	3,266.1	3,238.9	3,238.2	9.4	2.7	-73.33	753.5	457.3	666.1	654.2	11.94	55.799			
3,400.0	3,364.6	3,338.5	3,337.8	9.8	2.8	-74.69	755.4	458.2	663.3	650.9	12.40	53.472			
3,500.0	3,463.1	3,436.9	3,436.2	10.1	2.9	-76.03	757.3	459.4	660.8	647.9	12.87	51.345			
3,600.0	3,561.5	3,535.4	3,534.6	10.5	3.0	-77.35	759.2	460.9	658.8	645.5	13.33	49.406			
3,700.0	3,660.0	3,633.9	3,633.1	10.8	3.1	-78.68	761.1	462.3	657.0	643.2	13.80	47.616			
3,800.0	3,758.5	3,729.7	3,728.9	11.2	3.2	-80.03	763.3	463.1	656.1	641.8	14.26	46.007			
3,900.0	3,857.0	3,829.2	3,828.3	11.5	3.3	-81.41	765.7	464.2	655.6	640.9	14.72	44.527			
4,000.0	3,955.5	3,930.5	3,929.6	11.9	3.3	-82.81	767.9	465.6	655.3	640.1	15.19	43.148			
4,100.0	4,054.0	4,032.8	4,031.9	12.3	3.4	-84.20	769.5	467.2	654.7	639.1	15.65	41.843			
4,200.0	4,152.4	4,130.9	4,130.0	12.6	3.5	-85.52	770.9	468.9	654.4	638.3	16.10	40.641			
4,206.4	4,158.7	4,136.9	4,136.0	12.6	3.5	-85.60	771.0	469.0	654.4	638.2	16.13	40.569			
4,300.0	4,250.9	4,225.6	4,224.7	13.0	3.6	-86.85	772.6	469.9	654.8	638.3	16.55	39.569			
4,400.0	4,349.4	4,320.4	4,319.4	13.3	3.7	-88.23	774.7	470.2	656.3	639.3	16.99	38.623			
4,500.0	4,447.9	4,416.3	4,415.3	13.7	3.8	-89.66	777.3	470.0	658.6	641.2	17.43	37.784			
4,600.0	4,546.4	4,513.3	4,512.2	14.0	3.9	-91.09	780.1	469.7	661.7	643.9	17.87	37.038			
4,700.0	4,644.9	4,611.0	4,609.9	14.4	3.9	-92.52	783.1	469.2	665.4	647.1	18.30	36.370			
4,800.0	4,743.3	4,708.0	4,706.9	14.7	4.0	-93.90	786.4	469.2	669.7	651.0	18.72	35.776			
4,900.0	4,841.8	4,803.0	4,801.7	15.1	4.1	-95.18	790.1	469.5	674.8	655.6	19.14	35.261			
5,000.0	4,940.3	4,900.0	4,898.7	15.4	4.2	-96.45	794.4	470.0	680.7	661.1	19.55	34.818			

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 McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - MCCONAHAY 41-34 (EXISTING) - ENCANA WELL - GYRO													Offset Site Error:	0.0 ft
Survey Program: 200-Gyro													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		
5,100.0	5,038.8	4,995.1	4,993.6	15.8	4.3	-97.68	799.0	470.2	687.3	667.3	19.96	34.441		
5,200.0	5,137.3	5,092.9	5,091.4	16.1	4.4	-98.95	803.7	470.0	694.5	674.1	20.36	34.116		
5,300.0	5,235.8	5,194.6	5,192.9	16.5	4.5	-100.28	808.3	469.5	701.8	681.1	20.75	33.821		
5,400.0	5,334.2	5,298.4	5,296.7	16.8	4.6	-101.64	812.2	468.8	709.0	687.8	21.14	33.538		
5,500.0	5,432.7	5,398.6	5,396.8	17.2	4.6	-102.94	815.5	468.2	715.9	694.4	21.52	33.273		
5,600.0	5,531.2	5,501.1	5,499.3	17.5	4.7	-104.25	818.5	467.9	722.9	701.0	21.89	33.024		
5,700.0	5,629.7	5,599.6	5,597.7	17.9	4.8	-105.50	820.9	467.3	729.9	707.7	22.25	32.802		
5,800.0	5,728.2	5,698.8	5,696.9	18.2	4.9	-106.79	823.0	466.2	737.2	714.6	22.60	32.616		
5,900.0	5,826.7	5,799.5	5,797.6	18.6	5.0	-108.11	824.7	464.8	744.7	721.8	22.94	32.458		
6,000.0	5,925.1	5,896.2	5,894.3	18.9	5.1	-109.36	826.3	463.4	752.5	729.3	23.28	32.327		
6,100.0	6,023.6	5,994.1	5,992.1	19.3	5.2	-110.58	828.1	462.1	760.8	737.2	23.61	32.231		
6,200.0	6,122.1	6,093.8	6,091.8	19.6	5.3	-111.83	829.7	460.5	769.4	745.5	23.92	32.162		
6,300.0	6,220.6	6,197.4	6,195.4	20.0	5.3	-113.11	830.8	458.9	778.0	753.7	24.23	32.106		
6,400.0	6,319.1	6,298.6	6,296.6	20.4	5.4	-114.33	831.5	457.7	786.3	761.8	24.53	32.051		
6,500.0	6,417.5	6,403.2	6,401.1	20.7	5.5	-115.56	831.8	456.9	794.4	769.6	24.83	31.998		
6,600.0	6,516.0	6,500.0	6,498.0	21.1	5.6	-116.67	831.9	456.4	802.5	777.4	25.12	31.951		
6,700.0	6,614.5	6,596.8	6,594.8	21.4	5.7	-117.76	832.1	455.8	811.1	785.7	25.40	31.933		
6,800.0	6,713.0	6,694.4	6,692.4	21.8	5.8	-118.85	832.3	454.9	820.2	794.5	25.68	31.944		
6,900.0	6,811.5	6,800.0	6,798.0	22.1	5.9	-120.01	832.1	454.2	829.2	803.3	25.94	31.966		
7,000.0	6,910.4	6,895.9	6,893.8	22.4	6.0	-106.26	831.6	453.4	836.3	810.2	26.11	32.031		
7,100.0	7,010.2	7,000.1	6,998.0	22.4	6.0	28.97	831.0	452.7	832.6	806.5	26.17	31.820		
7,200.0	7,108.1	7,100.0	7,097.9	22.2	6.1	42.18	830.2	452.3	816.9	790.7	26.19	31.192		
7,300.0	7,201.3	7,188.1	7,186.0	21.7	6.2	48.54	829.3	451.6	790.7	764.6	26.13	30.256		
7,400.0	7,286.9	7,280.4	7,278.4	21.0	6.3	55.67	828.5	450.8	755.9	729.8	26.03	29.043		
7,500.0	7,362.2	7,353.0	7,350.9	20.2	6.3	63.73	827.9	450.9	715.0	689.3	25.69	27.828		
7,600.0	7,425.1	7,412.0	7,410.0	19.2	6.4	72.30	827.9	451.0	673.1	648.0	25.10	26.813		
7,700.0	7,473.5	7,460.6	7,458.5	18.4	6.4	80.48	828.1	451.2	634.9	610.6	24.36	26.070		
7,800.0	7,506.0	7,492.5	7,490.4	17.6	6.5	86.53	828.2	451.4	606.0	582.3	23.66	25.614		
7,900.0	7,521.6	7,507.2	7,505.2	17.1	6.5	89.50	828.3	451.5	591.1	567.9	23.23	25.443		
7,938.5	7,523.8	7,509.1	7,507.0	17.0	6.5	89.73	828.3	451.5	589.8	566.6	23.21	25.417	CC, ES, SF	
8,000.0	7,523.0	7,507.7	7,505.7	16.9	6.5	89.68	828.3	451.5	593.1	570.0	23.16	25.608		
8,100.0	7,523.0	7,506.8	7,504.8	17.1	6.5	89.59	828.3	451.5	611.8	588.3	23.45	26.087		
8,200.0	7,523.0	7,506.0	7,503.9	17.6	6.5	89.50	828.3	451.5	645.5	621.5	24.09	26.801		
8,300.0	7,523.0	7,505.1	7,503.0	18.6	6.5	89.42	828.3	451.5	692.2	667.2	25.03	27.653		
8,400.0	7,523.0	7,504.2	7,502.1	19.8	6.5	89.33	828.3	451.5	749.4	723.2	26.24	28.556		
8,500.0	7,523.0	7,503.3	7,501.2	21.3	6.5	89.25	828.3	451.5	814.9	787.2	27.68	29.445		
8,600.0	7,523.0	7,502.5	7,500.4	22.9	6.5	89.16	828.3	451.5	886.8	857.6	29.29	30.282		
8,700.0	7,523.0	7,501.6	7,499.5	24.7	6.5	89.08	828.2	451.5	963.8	932.8	31.04	31.051		
8,800.0	7,523.0	7,500.0	7,497.9	26.5	6.5	88.92	828.2	451.5	1,044.7	1,011.8	32.91	31.745		
8,900.0	7,523.0	7,500.0	7,497.9	28.5	6.5	88.92	828.2	451.5	1,128.6	1,093.8	34.87	32.366		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - MCCONAHAY 6-4-34 (EXISTING) - ENCANA WELL - SURVEYS														Offset Site Error:	0.0 ft
Survey Program: 1089-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	-109.67	-179.2	-501.3	533.0						
100.0	100.0	75.0	75.0	0.1	0.1	-109.68	-179.3	-501.3	532.4	532.2	0.26	2,045.312 CC			
200.0	200.0	174.7	174.7	0.3	0.3	-109.72	-179.7	-501.3	532.5	531.9	0.61	877.700			
300.0	300.0	274.3	274.3	0.5	0.5	-109.79	-180.3	-501.2	532.7	531.7	0.95	558.874			
400.0	400.0	373.9	373.9	0.7	0.7	-109.88	-181.2	-501.1	532.9	531.6	1.30	410.076 ES			
500.0	500.0	473.5	473.5	0.8	0.9	172.39	-182.4	-501.0	534.0	532.4	1.68	317.409			
600.0	600.0	573.1	573.1	1.0	1.0	172.27	-183.9	-500.8	537.0	535.0	2.04	263.751			
700.0	699.9	672.6	672.6	1.2	1.2	172.14	-185.7	-500.6	541.8	539.4	2.39	226.775			
800.0	799.7	772.0	771.9	1.4	1.4	172.01	-187.8	-500.4	548.3	545.6	2.74	200.022			
900.0	899.4	871.2	871.1	1.6	1.6	171.87	-190.1	-500.2	556.7	553.6	3.09	179.986			
1,000.0	998.9	970.3	970.2	1.8	1.8	171.73	-192.7	-499.9	566.9	563.4	3.44	164.599			
1,100.0	1,098.3	1,069.2	1,069.0	2.1	1.9	171.60	-195.6	-499.6	578.8	575.0	3.79	152.564			
1,200.0	1,197.4	1,167.0	1,166.8	2.3	2.1	171.48	-198.6	-499.4	592.6	588.4	4.14	143.090			
1,300.0	1,296.3	1,266.5	1,266.3	2.6	2.3	171.42	-201.3	-499.4	608.2	603.7	4.49	135.425			
1,400.0	1,394.9	1,364.9	1,364.6	2.9	2.5	171.30	-204.8	-499.0	625.3	620.5	4.85	128.975			
1,500.0	1,493.4	1,462.4	1,461.8	3.3	2.7	170.90	-211.7	-497.4	643.5	638.2	5.24	122.831			
1,600.0	1,591.9	1,560.0	1,558.8	3.6	2.9	170.16	-222.2	-493.7	661.1	655.4	5.66	116.846			
1,700.0	1,690.4	1,655.0	1,652.7	3.9	3.2	169.16	-236.1	-489.6	679.8	673.7	6.11	111.303			
1,800.0	1,788.9	1,730.7	1,727.0	4.3	3.4	168.18	-250.2	-487.0	700.9	694.4	6.54	107.221			
1,900.0	1,887.3	1,818.8	1,812.8	4.6	3.8	166.85	-270.1	-483.8	723.9	716.9	7.05	102.680			
2,000.0	1,985.8	1,939.5	1,929.4	4.9	4.3	164.85	-300.1	-476.8	746.8	739.0	7.72	96.793			
2,100.0	2,084.3	2,040.3	2,027.2	5.3	4.7	163.35	-323.3	-469.2	767.6	759.3	8.31	92.419			
2,200.0	2,182.8	2,138.6	2,122.7	5.6	5.1	162.01	-345.2	-461.6	788.5	779.6	8.90	88.630			
2,300.0	2,281.3	2,230.0	2,211.5	6.0	5.4	160.81	-365.8	-454.6	809.9	800.4	9.47	85.504			
2,400.0	2,379.8	2,320.7	2,299.7	6.3	5.8	159.72	-386.0	-448.5	832.2	822.2	10.03	82.952			
2,500.0	2,478.2	2,411.6	2,388.2	6.7	6.2	158.72	-406.2	-443.1	855.5	844.9	10.60	80.691			
2,600.0	2,576.7	2,504.0	2,478.1	7.0	6.6	157.76	-426.9	-438.2	879.6	868.5	11.17	78.721			
2,700.0	2,675.2	2,593.4	2,565.0	7.3	6.9	156.87	-447.3	-433.8	904.5	892.8	11.75	76.991			
2,800.0	2,773.7	2,692.8	2,661.6	7.7	7.4	155.91	-470.3	-428.7	929.8	917.4	12.36	75.223			
2,900.0	2,872.2	2,799.9	2,765.9	8.0	7.8	154.98	-493.8	-423.0	954.3	941.3	12.99	73.458			
3,000.0	2,970.7	2,889.8	2,853.6	8.4	8.2	154.26	-513.4	-418.1	978.9	965.3	13.56	72.175			
3,100.0	3,069.1	2,977.0	2,938.4	8.7	8.6	153.55	-533.1	-413.5	1,004.2	990.1	14.13	71.046			
3,200.0	3,167.6	3,062.8	3,021.6	9.1	9.0	152.83	-553.7	-409.0	1,030.6	1,015.9	14.71	70.046			
3,300.0	3,266.1	3,163.7	3,119.3	9.4	9.4	152.03	-578.1	-404.1	1,057.6	1,042.2	15.34	68.921			
3,400.0	3,364.6	3,269.0	3,221.5	9.8	9.9	151.25	-602.9	-398.4	1,083.8	1,067.8	16.00	67.751			
3,500.0	3,463.1	3,354.0	3,304.0	10.1	10.3	150.66	-622.8	-394.0	1,110.4	1,093.9	16.56	67.053			
3,600.0	3,561.5	3,472.1	3,418.8	10.5	10.8	149.90	-649.6	-387.6	1,136.5	1,119.2	17.25	65.879			
3,700.0	3,660.0	3,567.7	3,512.0	10.8	11.2	149.35	-670.4	-382.1	1,161.8	1,143.9	17.85	65.097 SF			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Offset Design S34-T2N-R66W (McConahay) - RANCHERO 32-34 (EXISTING) - ENCANA WELL - GYROS													Offset Site Error:	0.0 ft
Survey Program: 200-Gyro													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	-119.28	-487.8	-869.8	997.3					
100.0	100.0	86.0	86.0	0.1	0.0	-119.28	-487.8	-869.8	997.2	997.1	0.13	7,608.018		
200.0	200.0	181.8	181.8	0.3	0.1	-119.28	-487.7	-870.0	997.4	997.0	0.38	2,645.593		
300.0	300.0	281.8	281.8	0.5	0.2	-119.24	-487.5	-870.6	997.8	997.2	0.64	1,561.776		
400.0	400.0	383.5	383.5	0.7	0.2	-119.20	-486.9	-871.3	998.2	997.3	0.90	1,106.283		
500.0	500.0	483.4	483.3	0.8	0.3	163.26	-486.1	-872.1	999.3	998.1	1.16	857.967		
600.0	600.0	575.2	575.1	1.0	0.4	163.35	-485.5	-873.1	1,002.4	1,001.0	1.42	705.896		
700.0	699.9	671.4	671.4	1.2	0.5	163.47	-485.2	-874.7	1,007.9	1,006.2	1.68	600.081		
800.0	799.7	769.7	769.7	1.4	0.6	163.60	-485.0	-876.5	1,015.3	1,013.3	1.94	522.847		
900.0	899.4	873.5	873.4	1.6	0.7	163.78	-484.6	-878.5	1,024.2	1,022.0	2.21	463.442		
1,000.0	998.9	974.8	974.7	1.8	0.8	163.99	-483.7	-880.1	1,034.5	1,032.0	2.48	417.602		
1,100.0	1,098.3	1,074.1	1,074.0	2.1	0.9	164.17	-483.4	-881.4	1,046.3	1,043.6	2.74	381.433		
1,200.0	1,197.4	1,172.3	1,172.2	2.3	0.9	164.35	-483.5	-882.5	1,059.9	1,056.9	3.01	352.101		
1,300.0	1,296.3	1,268.5	1,268.4	2.6	1.0	164.57	-483.2	-883.9	1,075.3	1,072.0	3.28	328.125		
1,400.0	1,394.9	1,369.6	1,369.4	2.9	1.1	164.79	-483.2	-885.3	1,092.5	1,088.9	3.55	307.759		
1,500.0	1,493.4	1,469.8	1,469.7	3.3	1.2	165.06	-483.1	-886.4	1,110.1	1,106.3	3.82	290.332		
1,600.0	1,591.9	1,564.0	1,563.8	3.6	1.3	165.31	-482.9	-887.5	1,127.9	1,123.8	4.09	275.613		
1,700.0	1,690.4	1,658.9	1,658.7	3.9	1.4	165.56	-482.9	-889.1	1,146.2	1,141.8	4.36	262.778		
1,800.0	1,788.9	1,758.6	1,758.5	4.3	1.5	165.83	-482.6	-890.9	1,164.5	1,159.9	4.63	251.250		
8,300.0	7,523.0	7,482.0	7,480.1	18.6	6.5	-87.27	-390.2	-891.6	1,170.8	1,145.8	24.99	46.849		
8,400.0	7,523.0	7,482.0	7,480.1	19.8	6.5	-87.27	-390.2	-891.6	1,086.5	1,060.3	26.20	41.464		
8,500.0	7,523.0	7,482.0	7,480.1	21.3	6.5	-87.27	-390.2	-891.6	1,005.0	977.4	27.63	36.367		
8,600.0	7,523.0	7,482.0	7,480.1	22.9	6.5	-87.27	-390.2	-891.6	927.2	897.9	29.25	31.703		
8,700.0	7,523.0	7,482.0	7,480.1	24.7	6.5	-87.27	-390.2	-891.6	854.0	823.0	31.00	27.548		
8,800.0	7,523.0	7,482.0	7,480.1	26.5	6.5	-87.27	-390.2	-891.6	786.7	753.8	32.87	23.934		
8,900.0	7,523.0	7,482.0	7,480.1	28.5	6.5	-87.27	-390.2	-891.6	726.9	692.1	34.83	20.872		
9,000.0	7,523.0	7,482.0	7,480.1	30.5	6.5	-87.27	-390.2	-891.6	676.8	639.9	36.87	18.359		
9,100.0	7,523.0	7,482.0	7,480.1	32.6	6.5	-87.27	-390.2	-891.6	638.5	599.5	38.96	16.388		
9,200.0	7,523.0	7,482.0	7,480.1	34.8	6.5	-87.27	-390.2	-891.6	614.2	573.1	41.11	14.942		
9,300.0	7,523.0	7,482.0	7,480.1	37.0	6.5	-87.27	-390.2	-891.6	605.7	562.4	43.29	13.990		
9,302.0	7,523.0	7,482.0	7,480.1	37.0	6.5	-87.27	-390.2	-891.6	605.7	562.4	43.34	13.976 CC, ES		
9,400.0	7,523.0	7,482.0	7,480.1	39.2	6.5	-87.27	-390.2	-891.6	613.6	568.1	45.51	13.481		
9,500.0	7,523.0	7,482.0	7,480.1	41.5	6.5	-87.27	-390.2	-891.6	637.2	589.5	47.76	13.342 SF		
9,600.0	7,523.0	7,482.0	7,480.1	43.7	6.5	-87.27	-390.2	-891.6	675.0	625.0	50.04	13.491		
9,700.0	7,523.0	7,482.0	7,480.1	46.0	6.5	-87.27	-390.2	-891.6	724.8	672.4	52.33	13.850		
9,800.0	7,523.0	7,482.0	7,480.1	48.3	6.5	-87.27	-390.2	-891.6	784.1	729.5	54.64	14.351		
9,900.0	7,523.0	7,482.0	7,480.1	50.7	6.5	-87.27	-390.2	-891.6	851.2	794.2	56.97	14.941		
10,000.0	7,523.0	7,482.0	7,480.1	53.0	6.5	-87.27	-390.2	-891.6	924.2	864.9	59.31	15.583		
10,100.0	7,523.0	7,482.0	7,480.1	55.4	6.5	-87.27	-390.2	-891.6	1,001.8	940.2	61.66	16.248		
10,200.0	7,523.0	7,482.0	7,480.1	57.7	6.5	-87.27	-390.2	-891.6	1,083.2	1,019.2	64.02	16.920		
10,300.0	7,523.0	7,482.0	7,480.1	60.1	6.5	-87.27	-390.2	-891.6	1,167.4	1,101.0	66.39	17.585		

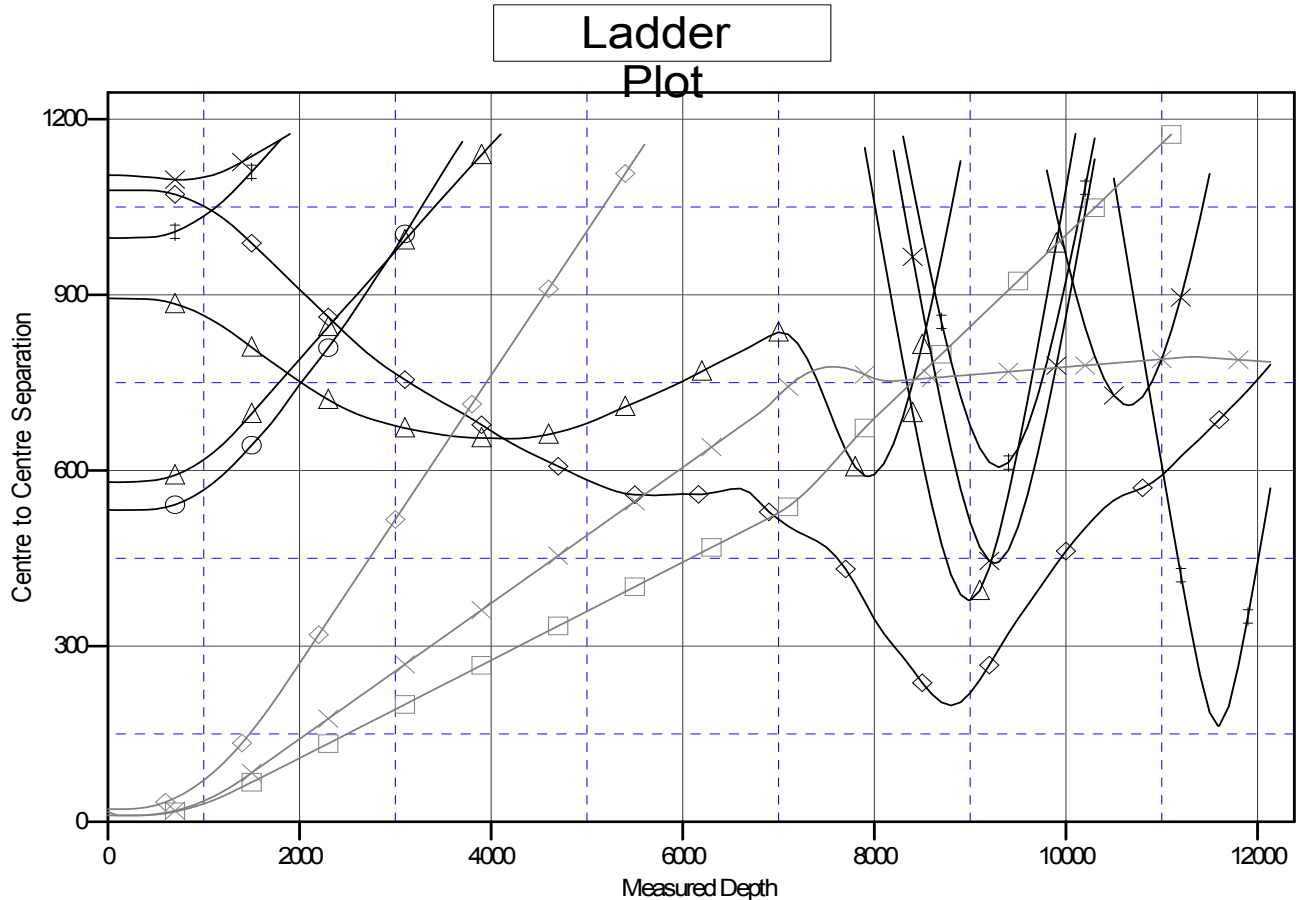
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well McConahay 1B-34H-H266
Project:	DJ Wattenberg	TVD Reference:	WELL @ 5087.0ft (Original Well Elev)
Reference Site:	S34-T2N-R66W (McConahay)	MD Reference:	WELL @ 5087.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	McConahay 1B-34H-H266	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 #4	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 5087.0ft (Original Well Elev)
Offset Depths are relative to Offset Datum
Central Meridian is -105.500000 °

Coordinates are relative to: McConahay 1B-34H-H266
Coordinate System is US State Plane 1983, Colorado Northern Zone
Grid Convergence at Surface is: 0.48°



LEGEND

XISTING), ENCANA WELL, GYROV0

REAT WESTERN WELL, NOSURVEYS V0

XISTING), ENCANA WELL, GYROS V0

ING), ENCANA WELL, GYROV0

◆ McConahay 1A-34H, Hz, Hz V0

✚ RANCHERO 32-34 (EXISTING), ENCANA WELL, GYROS V0

▲ MCCONAHAY 1 (EXISTING), ENCANA WELL, GYROVO

McConahay 1C-34H-H266, Hz, Plan #1 V0

✖ McConahay 1E-34H-H266, Hz, Plan #1

⊖ MC CONAHAY 6-4-34 (EXISTING), ENK

McConahay 1D-34H-H266, Hz, Plan #1