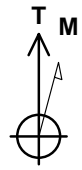


FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
3403.0	4290.2	Wastch G	
5468.0	6789.2	Williams Fork	
8968.0	10289.3	Rollins	

		Azimuths to True North Magnetic North: 10.29°	
		Magnetic Field Strength: 52183.7nT Dip Angle: 65.76° Date: 6/15/2012 Model: IGRF2010	

Plan #1 WF16D-24 I25 596 125XXX; SC KB=22' @ 5846.0ft (Original Well Elev) North American Datum 1983 Well WF16D-24 I25 596, True North							
Type	Target	Azimuth	Origin	Type	N/S	E/W	From
TD	No Target (Freehand)	359.04	Slot		0.0	0.0	TVD
							0.0
Name		TVD	+N/-S	+E/-W	Latitude	Longitude	
WF16D-24 I25 596 TGT		5468.0	3627.1	-37.3	39° 35' 41.097 N	108° 6' 34.781 W	
WF16D-24 I25 596 PBHL		8968.0	3617.1	-54.3	39° 35' 40.999 N	108° 6' 34.998 W	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site:	I25 596	North Reference:	True
Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	North Piceance		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Central Zone		

Site	I25 596			
Site Position:		Northing:	1,648,435.29 ft	Latitude: 39.5847371
From:	Lat/Long	Easting:	2,264,601.34 ft	Longitude: -108.1096087
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence: -1.65 °

Well	WF16D-24 I25 596			
Well Position	+N/-S	0.0 ft	Northing:	1,648,454.48 ft
	+E/-W	0.0 ft	Easting:	2,264,624.36 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft
			Ground Level:	5,824.0 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	6/15/2012	10.29	65.76	52,184

Design	Plan #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	359.04

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,678.1	44.34	359.41	1,534.9	544.0	-5.6	3.00	3.00	0.00	359.41	
5,311.1	44.34	359.41	4,133.1	3,083.1	-31.7	0.00	0.00	0.00	0.00	
6,789.2	0.00	0.00	5,468.0	3,627.1	-37.3	3.00	-3.00	0.00	180.00	WF16D-24 I25 596 TC
6,920.8	0.33	239.57	5,599.6	3,626.9	-37.6	0.25	0.25	-91.51	239.57	
10,289.3	0.33	239.57	8,968.0	3,617.1	-54.3	0.00	0.00	0.00	0.00	WF16D-24 I25 596 PI
10,389.3	0.33	239.57	9,068.0	3,616.8	-54.8	0.00	0.00	0.00	0.00	
11,589.3	0.33	239.57	10,268.0	3,613.3	-60.7	0.00	0.00	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site:	I25 596	North Reference:	True
Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	KOP @ 200' MD
300.0	3.00	359.41	300.0	2.6	0.0	2.6	3.00	3.00	
400.0	6.00	359.41	399.6	10.5	-0.1	10.5	3.00	3.00	
500.0	9.00	359.41	498.8	23.5	-0.2	23.5	3.00	3.00	
600.0	12.00	359.41	597.1	41.7	-0.4	41.7	3.00	3.00	
700.0	15.00	359.41	694.3	65.1	-0.7	65.1	3.00	3.00	
800.0	18.00	359.41	790.2	93.5	-1.0	93.5	3.00	3.00	
900.0	21.00	359.41	884.4	126.8	-1.3	126.8	3.00	3.00	
1,000.0	24.00	359.41	976.8	165.1	-1.7	165.1	3.00	3.00	
1,100.0	27.00	359.41	1,067.1	208.2	-2.1	208.2	3.00	3.00	
1,200.0	30.00	359.41	1,154.9	255.9	-2.6	255.9	3.00	3.00	
1,300.0	33.00	359.41	1,240.2	308.1	-3.2	308.1	3.00	3.00	
1,400.0	36.00	359.41	1,322.6	364.7	-3.8	364.7	3.00	3.00	
1,500.0	39.00	359.41	1,401.9	425.6	-4.4	425.6	3.00	3.00	
1,600.0	42.00	359.41	1,477.9	490.5	-5.0	490.5	3.00	3.00	
1,678.1	44.34	359.41	1,534.9	544.0	-5.6	544.0	3.00	3.00	EOB; Inc=44.34°
1,700.0	44.34	359.41	1,550.6	559.3	-5.8	559.3	0.00	0.00	
1,800.0	44.34	359.41	1,622.1	629.2	-6.5	629.2	0.00	0.00	
1,900.0	44.34	359.41	1,693.6	699.0	-7.2	699.1	0.00	0.00	
2,000.0	44.34	359.41	1,765.1	768.9	-7.9	769.0	0.00	0.00	
2,100.0	44.34	359.41	1,836.6	838.8	-8.6	838.9	0.00	0.00	
2,200.0	44.34	359.41	1,908.1	908.7	-9.3	908.8	0.00	0.00	
2,300.0	44.34	359.41	1,979.7	978.6	-10.1	978.6	0.00	0.00	
2,400.0	44.34	359.41	2,051.2	1,048.5	-10.8	1,048.5	0.00	0.00	
2,500.0	44.34	359.41	2,122.7	1,118.4	-11.5	1,118.4	0.00	0.00	
2,600.0	44.34	359.41	2,194.2	1,188.3	-12.2	1,188.3	0.00	0.00	
2,700.0	44.34	359.41	2,265.7	1,258.2	-12.9	1,258.2	0.00	0.00	
2,800.0	44.34	359.41	2,337.2	1,328.1	-13.7	1,328.1	0.00	0.00	
2,900.0	44.34	359.41	2,408.8	1,398.0	-14.4	1,398.0	0.00	0.00	
3,000.0	44.34	359.41	2,480.3	1,467.9	-15.1	1,467.9	0.00	0.00	
3,100.0	44.34	359.41	2,551.8	1,537.8	-15.8	1,537.8	0.00	0.00	
3,200.0	44.34	359.41	2,623.3	1,607.6	-16.5	1,607.7	0.00	0.00	
3,300.0	44.34	359.41	2,694.8	1,677.5	-17.3	1,677.6	0.00	0.00	
3,400.0	44.34	359.41	2,766.3	1,747.4	-18.0	1,747.5	0.00	0.00	
3,500.0	44.34	359.41	2,837.9	1,817.3	-18.7	1,817.4	0.00	0.00	
3,600.0	44.34	359.41	2,909.4	1,887.2	-19.4	1,887.3	0.00	0.00	
3,700.0	44.34	359.41	2,980.9	1,957.1	-20.1	1,957.2	0.00	0.00	
3,800.0	44.34	359.41	3,052.4	2,027.0	-20.8	2,027.1	0.00	0.00	
3,900.0	44.34	359.41	3,123.9	2,096.9	-21.6	2,097.0	0.00	0.00	
4,000.0	44.34	359.41	3,195.4	2,166.8	-22.3	2,166.8	0.00	0.00	
4,100.0	44.34	359.41	3,267.0	2,236.7	-23.0	2,236.7	0.00	0.00	
4,200.0	44.34	359.41	3,338.5	2,306.6	-23.7	2,306.6	0.00	0.00	
4,290.2	44.34	359.41	3,403.0	2,369.6	-24.4	2,369.7	0.00	0.00	Wastch G
4,300.0	44.34	359.41	3,410.0	2,376.5	-24.4	2,376.5	0.00	0.00	
4,400.0	44.34	359.41	3,481.5	2,446.3	-25.2	2,446.4	0.00	0.00	
4,500.0	44.34	359.41	3,553.0	2,516.2	-25.9	2,516.3	0.00	0.00	
4,600.0	44.34	359.41	3,624.5	2,586.1	-26.6	2,586.2	0.00	0.00	
4,700.0	44.34	359.41	3,696.1	2,656.0	-27.3	2,656.1	0.00	0.00	
4,800.0	44.34	359.41	3,767.6	2,725.9	-28.0	2,726.0	0.00	0.00	
4,900.0	44.34	359.41	3,839.1	2,795.8	-28.8	2,795.9	0.00	0.00	

Planning Report

Database: USA EDM 5000 Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: North Piceance
Site: I25 596
Well: WF16D-24 I25 596
Wellbore: OH
Design: Plan #1

Local Co-ordinate Reference: Well WF16D-24 I25 596
TVD Reference: KB=22' @ 5846.0ft (Original Well Elev)
MD Reference: KB=22' @ 5846.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

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
5,000.0	44.34	359.41	3,910.6	2,865.7	-29.5	2,865.8	0.00	0.00	
5,100.0	44.34	359.41	3,982.1	2,935.6	-30.2	2,935.7	0.00	0.00	
5,200.0	44.34	359.41	4,053.6	3,005.5	-30.9	3,005.6	0.00	0.00	
5,300.0	44.34	359.41	4,125.2	3,075.4	-31.6	3,075.5	0.00	0.00	
5,311.1	44.34	359.41	4,133.1	3,083.1	-31.7	3,083.2	0.00	0.00	Start 3° Drop @ 5311.1' MD
5,400.0	41.68	359.41	4,198.1	3,143.8	-32.3	3,143.9	3.00	-3.00	
5,500.0	38.68	359.41	4,274.5	3,208.3	-33.0	3,208.4	3.00	-3.00	
5,600.0	35.68	359.41	4,354.2	3,268.7	-33.6	3,268.8	3.00	-3.00	
5,700.0	32.68	359.41	4,436.9	3,324.9	-34.2	3,325.0	3.00	-3.00	
5,800.0	29.68	359.41	4,522.4	3,376.6	-34.7	3,376.7	3.00	-3.00	
5,900.0	26.68	359.41	4,610.6	3,423.8	-35.2	3,423.9	3.00	-3.00	
6,000.0	23.68	359.41	4,701.1	3,466.4	-35.6	3,466.5	3.00	-3.00	
6,100.0	20.68	359.41	4,793.7	3,504.1	-36.0	3,504.2	3.00	-3.00	
6,200.0	17.68	359.41	4,888.1	3,536.9	-36.4	3,537.0	3.00	-3.00	
6,300.0	14.68	359.41	4,984.1	3,564.8	-36.7	3,564.9	3.00	-3.00	
6,400.0	11.68	359.41	5,081.5	3,587.6	-36.9	3,587.7	3.00	-3.00	
6,500.0	8.68	359.41	5,179.9	3,605.2	-37.1	3,605.4	3.00	-3.00	
6,600.0	5.68	359.41	5,279.1	3,617.7	-37.2	3,617.8	3.00	-3.00	
6,700.0	2.68	359.41	5,378.8	3,625.0	-37.3	3,625.1	3.00	-3.00	
6,789.2	0.00	0.00	5,468.0	3,627.1	-37.3	3,627.2	3.00	-3.00	EOD @ 6789.2' MD - Williams Fork
6,800.0	0.03	239.57	5,478.8	3,627.1	-37.3	3,627.2	0.25	0.25	
6,900.0	0.28	239.57	5,578.8	3,627.0	-37.5	3,627.1	0.25	0.25	
6,920.8	0.33	239.57	5,599.6	3,626.9	-37.6	3,627.0	0.25	0.25	
7,000.0	0.33	239.57	5,678.8	3,626.7	-38.0	3,626.8	0.00	0.00	
7,100.0	0.33	239.57	5,778.8	3,626.4	-38.5	3,626.5	0.00	0.00	
7,200.0	0.33	239.57	5,878.8	3,626.1	-39.0	3,626.2	0.00	0.00	
7,300.0	0.33	239.57	5,978.8	3,625.8	-39.5	3,626.0	0.00	0.00	
7,400.0	0.33	239.57	6,078.8	3,625.5	-40.0	3,625.7	0.00	0.00	
7,500.0	0.33	239.57	6,178.8	3,625.2	-40.5	3,625.4	0.00	0.00	
7,600.0	0.33	239.57	6,278.8	3,624.9	-41.0	3,625.1	0.00	0.00	
7,700.0	0.33	239.57	6,378.8	3,624.6	-41.5	3,624.8	0.00	0.00	
7,800.0	0.33	239.57	6,478.8	3,624.4	-42.0	3,624.5	0.00	0.00	
7,900.0	0.33	239.57	6,578.8	3,624.1	-42.5	3,624.3	0.00	0.00	
8,000.0	0.33	239.57	6,678.8	3,623.8	-43.0	3,624.0	0.00	0.00	
8,100.0	0.33	239.57	6,778.8	3,623.5	-43.5	3,623.7	0.00	0.00	
8,200.0	0.33	239.57	6,878.8	3,623.2	-44.0	3,623.4	0.00	0.00	
8,300.0	0.33	239.57	6,978.8	3,622.9	-44.5	3,623.1	0.00	0.00	
8,400.0	0.33	239.57	7,078.8	3,622.6	-44.9	3,622.9	0.00	0.00	
8,500.0	0.33	239.57	7,178.8	3,622.3	-45.4	3,622.6	0.00	0.00	
8,600.0	0.33	239.57	7,278.8	3,622.0	-45.9	3,622.3	0.00	0.00	
8,700.0	0.33	239.57	7,378.8	3,621.7	-46.4	3,622.0	0.00	0.00	
8,800.0	0.33	239.57	7,478.8	3,621.4	-46.9	3,621.7	0.00	0.00	
8,900.0	0.33	239.57	7,578.8	3,621.2	-47.4	3,621.4	0.00	0.00	
9,000.0	0.33	239.57	7,678.8	3,620.9	-47.9	3,621.2	0.00	0.00	
9,100.0	0.33	239.57	7,778.8	3,620.6	-48.4	3,620.9	0.00	0.00	
9,200.0	0.33	239.57	7,878.8	3,620.3	-48.9	3,620.6	0.00	0.00	
9,300.0	0.33	239.57	7,978.8	3,620.0	-49.4	3,620.3	0.00	0.00	
9,400.0	0.33	239.57	8,078.7	3,619.7	-49.9	3,620.0	0.00	0.00	
9,500.0	0.33	239.57	8,178.7	3,619.4	-50.4	3,619.7	0.00	0.00	
9,600.0	0.33	239.57	8,278.7	3,619.1	-50.9	3,619.5	0.00	0.00	
9,700.0	0.33	239.57	8,378.7	3,618.8	-51.4	3,619.2	0.00	0.00	
9,800.0	0.33	239.57	8,478.7	3,618.5	-51.9	3,618.9	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site:	I25 596	North Reference:	True
Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
9,900.0	0.33	239.57	8,578.7	3,618.2	-52.4	3,618.6	0.00	0.00	
10,000.0	0.33	239.57	8,678.7	3,618.0	-52.9	3,618.3	0.00	0.00	
10,100.0	0.33	239.57	8,778.7	3,617.7	-53.4	3,618.0	0.00	0.00	
10,200.0	0.33	239.57	8,878.7	3,617.4	-53.9	3,617.8	0.00	0.00	
10,289.3	0.33	239.57	8,968.0	3,617.1	-54.3	3,617.5	0.00	0.00	Rollins
10,300.0	0.33	239.57	8,978.7	3,617.1	-54.4	3,617.5	0.00	0.00	
10,389.3	0.33	239.57	9,068.0	3,616.8	-54.8	3,617.2	0.00	0.00	TD @ 10389.3' MD
10,400.0	0.33	239.57	9,078.7	3,616.8	-54.9	3,617.2	0.00	0.00	
10,500.0	0.33	239.57	9,178.7	3,616.5	-55.3	3,616.9	0.00	0.00	
10,600.0	0.33	239.57	9,278.7	3,616.2	-55.8	3,616.6	0.00	0.00	
10,700.0	0.33	239.57	9,378.7	3,615.9	-56.3	3,616.4	0.00	0.00	
10,800.0	0.33	239.57	9,478.7	3,615.6	-56.8	3,616.1	0.00	0.00	
10,900.0	0.33	239.57	9,578.7	3,615.3	-57.3	3,615.8	0.00	0.00	
11,000.0	0.33	239.57	9,678.7	3,615.0	-57.8	3,615.5	0.00	0.00	
11,100.0	0.33	239.57	9,778.7	3,614.8	-58.3	3,615.2	0.00	0.00	
11,200.0	0.33	239.57	9,878.7	3,614.5	-58.8	3,614.9	0.00	0.00	
11,300.0	0.33	239.57	9,978.7	3,614.2	-59.3	3,614.7	0.00	0.00	
11,400.0	0.33	239.57	10,078.7	3,613.9	-59.8	3,614.4	0.00	0.00	
11,500.0	0.33	239.57	10,178.7	3,613.6	-60.3	3,614.1	0.00	0.00	
11,589.3	0.33	239.57	10,268.0	3,613.3	-60.7	3,613.8	0.00	0.00	Permit TD @ 11589.3' MD

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
WF16D-24 I25 596 PBH	0.00	0.00	8,968.0	3,617.1	-54.3	1,652,071.66	2,264,673.97	39.5947218	-108.1097217
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
WF16D-24 I25 596 TGT	0.00	0.00	5,468.0	3,627.1	-37.3	1,652,081.15	2,264,691.25	39.5947492	-108.1096614
- plan hits target center									
- Point									

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,290.2	3,403.0	Wastch G				
6,789.2	5,468.0	Williams Fork				
10,289.3	8,968.0	Rollins				

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site:	I25 596	North Reference:	True
Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Plan Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200' MD
1,678.1	1,534.9	544.0	-5.6	EOB; Inc=44.34°
5,311.1	4,133.1	3,083.1	-31.7	Start 3° Drop @ 5311.1' MD
6,789.2	5,468.0	3,627.1	-37.3	EOD @ 6789.2' MD
10,389.3	9,068.0	3,626.9	-37.6	TD @ 10389.3' MD
11,589.3	10,268.0	3,617.1	-54.3	Permit TD @ 11589.3' MD

EnCana Oil & Gas (USA) Inc

North Piceance

I25 596

WF16D-24 I25 596

OH

Plan #1

Anticollision Report

20 June, 2012

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	GLOBAL FILTER APPLIED: All wellpaths within 200'+ 100/1000 of reference		
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 1,358.9ft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma		

Survey Tool Program		Date	6/18/2012		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,589.3	Plan #1 (OH)	MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
E19 595 (NESE S24-T5S-R95W)						
EF09D - DD - Plan #3	11,456.2	10,811.0	1,196.0	1,139.1	21.033	CC, ES
EF09D - DD - Plan #3	11,500.0	10,811.0	1,196.8	1,139.8	21.018	SF
EF09D - DD - PRODUCING	8,043.8	7,394.0	1,104.6	1,057.2	23.291	CC, ES
EF09D - DD - PRODUCING	8,700.0	7,957.0	1,115.0	1,065.4	22.461	SF
NP EF16A-24 E19 595 - DD - DD	7,603.2	7,359.0	751.8	673.7	9.630	CC
NP EF16A-24 E19 595 - DD - DD	10,363.9	10,128.0	753.6	657.8	7.872	ES, SF
NP EF16A-24 E19 595 - DD - Plan #7	7,100.0	6,885.2	749.3	666.6	9.055	CC
NP EF16A-24 E19 595 - DD - Plan #7	10,404.1	10,186.5	749.4	662.1	8.583	ES, SF
I25 596						
WF01B-25 I25 596 - OH - Plan #1	200.0	200.0	30.0	29.3	48.234	CC, ES
WF01B-25 I25 596 - OH - Plan #1	1,600.0	1,642.4	115.3	109.0	18.097	SF
WF01C-25 I25 596 - OH - Plan #1	200.0	200.0	40.0	39.4	64.343	CC, ES
WF01C-25 I25 596 - OH - Plan #1	1,500.0	1,545.9	144.6	138.8	24.749	SF
WF03D-30 I25 596 - OH - Plan #1	200.0	200.0	31.6	31.0	50.882	CC, ES
WF03D-30 I25 596 - OH - Plan #1	600.0	602.2	57.5	55.4	27.103	SF
WF04B-30 I25 596 - OH - Plan #1	200.0	200.0	14.1	13.5	22.770	CC
WF04B-30 I25 596 - OH - Plan #1	200.1	200.1	14.1	13.5	22.760	ES
WF04B-30 I25 596 - OH - Plan #1	400.0	399.8	17.9	16.6	13.259	SF
WF04C-30 I25 596 - OH - Plan #1	323.2	323.0	21.8	20.7	20.334	CC, ES
WF04C-30 I25 596 - OH - Plan #1	1,100.0	1,097.9	91.8	84.3	12.234	SF
WF05C-30 I25 596 - OH - Plan #1	200.0	200.0	22.4	21.7	35.980	CC
WF05C-30 I25 596 - OH - Plan #1	300.0	301.0	22.6	21.6	23.128	ES
WF05C-30 I25 596 - OH - Plan #1	500.0	501.8	30.7	28.9	16.801	SF
WF05D-30 I25 596 - OH - Plan #1	246.9	247.7	41.2	40.4	52.204	CC
WF05D-30 I25 596 - OH - Plan #1	300.0	301.7	41.3	40.3	42.172	ES
WF05D-30 I25 596 - OH - Plan #1	600.0	601.4	63.0	60.6	26.512	SF
WF06D-30 I25 596 - OH - Plan #1	200.0	200.0	143.5	142.9	230.908	CC, ES
WF06D-30 I25 596 - OH - Plan #1	1,400.0	1,295.7	504.2	495.8	60.400	SF
WF08C-25 I25 596 - OH - Plan #1	200.0	200.0	14.1	13.5	22.754	CC, ES
WF08C-25 I25 596 - OH - Plan #1	800.0	804.8	21.7	19.0	8.057	SF
WF08D-25 I25 596 - OH - Plan #1	200.0	200.0	10.0	9.4	16.099	CC
WF08D-25 I25 596 - OH - Plan #1	600.0	601.5	10.9	8.4	4.475	ES
WF08D-25 I25 596 - OH - Plan #1	700.0	701.6	12.4	9.3	4.085	SF
WF11A-30 I25 596 - OH - Plan #1	200.0	200.0	147.2	146.6	236.939	CC, ES
WF11A-30 I25 596 - OH - Plan #1	1,000.0	961.1	311.7	306.6	61.682	SF
WF11C-30 I25 596 - OH - Plan #1	200.0	200.0	162.4	161.8	261.345	CC, ES
WF11C-30 I25 596 - OH - Plan #1	800.0	783.1	251.6	248.7	85.111	SF
WF11D-30 I25 596 - OH - Plan #1	200.0	200.0	171.9	171.3	276.716	CC, ES
WF11D-30 I25 596 - OH - Plan #1	800.0	776.3	270.8	267.9	94.333	SF
WF11F-30 I25 596 - OH - Plan #1	200.0	200.0	165.7	165.1	266.691	CC, ES
WF11F-30 I25 596 - OH - Plan #1	800.0	774.2	265.3	262.1	82.637	SF
WF12A-30 I25 596 - OH - Plan #1	200.0	200.0	156.4	155.8	251.737	CC, ES
WF12A-30 I25 596 - OH - Plan #1	900.0	872.1	282.8	278.7	70.275	SF
WF12B-30 I25 596 - OH - Plan #1	200.0	200.0	152.9	152.3	246.071	CC, ES
WF12B-30 I25 596 - OH - Plan #1	800.0	784.3	242.0	239.0	80.769	SF
WF12C-19 I25 596 - OH - Plan #1	302.4	301.9	31.1	30.1	31.539	CC, ES
WF12C-19 I25 596 - OH - Plan #1	2,300.0	2,284.9	280.2	244.5	7.861	SF
WF12D-19 I25 596 - OH - Plan #1	134.1	134.1	30.0	29.6	76.682	CC, ES
WF12D-19 I25 596 - OH - Plan #1	1,700.0	1,666.2	89.3	69.9	4.598	SF
WF12D-30 I25 596 - OH - Plan #1	200.0	200.0	200.8	200.2	323.244	CC, ES
WF12D-30 I25 596 - OH - Plan #1	800.0	744.2	317.0	314.1	109.729	SF
WF13A-30 I25 596 - OH - Plan #1	200.0	200.0	210.5	209.9	338.860	CC, ES

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

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	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
I25 596						
WF13A-30 I25 596 - OH - Plan #1	800.0	738.4	336.3	333.5	117.597	SF
WF13B-30 I25 596 - OH - Plan #1	200.0	200.0	191.2	190.5	307.671	CC, ES
WF13B-30 I25 596 - OH - Plan #1	800.0	751.7	301.9	299.0	104.879	SF
WF13C-30 I25 596 - OH - Plan #1	200.0	200.0	181.5	180.9	292.161	CC, ES
WF13C-30 I25 596 - OH - Plan #1	800.0	757.6	288.2	285.3	100.715	SF
WF13D-19 I25 596 - OH - Plan #1	200.0	200.0	20.0	19.4	32.182	CC
WF13D-19 I25 596 - OH - Plan #1	300.0	299.2	20.3	19.3	20.798	ES
WF13D-19 I25 596 - OH - Plan #1	1,700.0	1,683.8	117.2	96.3	5.606	SF
WF13D-30 I25 596 - OH - Plan #1	200.0	200.0	203.5	202.9	327.574	CC, ES
WF13D-30 I25 596 - OH - Plan #1	800.0	730.6	338.2	335.3	114.764	SF
WF13E-30 I25 596 - OH - Plan #1	200.0	200.0	213.1	212.5	342.993	CC, ES
WF13E-30 I25 596 - OH - Plan #1	800.0	718.5	357.8	354.8	122.665	SF
WF14A-30 I25 596 - OH - Plan #1	200.0	200.0	175.1	174.5	281.765	CC, ES
WF14A-30 I25 596 - OH - Plan #1	800.0	773.7	273.5	270.4	88.949	SF
WF14D-30 I25 596 - OH - Plan #1	200.0	200.0	194.0	193.4	312.224	CC, ES
WF14D-30 I25 596 - OH - Plan #1	800.0	754.5	308.3	305.2	100.001	SF
WF15C-30 I25 596 - OH - Plan #1	200.0	200.0	184.5	183.9	296.952	CC, ES
WF15C-30 I25 596 - OH - Plan #1	800.0	763.7	291.2	288.1	94.647	SF
WF16C-24 I25 596 - OH - Plan #1	134.9	134.9	10.0	9.6	25.359	CC, ES
WF16C-24 I25 596 - OH - Plan #1	11,589.3	11,737.3	237.3	197.6	5.985	SF
WF16E-24 I25 596 - OH - Plan #1	200.0	200.0	10.0	9.4	16.095	CC, ES
WF16E-24 I25 596 - OH - Plan #1	1,600.0	1,616.6	38.8	32.4	6.117	SF
WF16F-24 I25 596 - OH - Plan #1	200.0	200.0	20.0	19.4	32.186	CC, ES
WF16F-24 I25 596 - OH - Plan #1	11,589.3	11,309.2	453.7	414.4	11.560	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	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
I25 596 (undrilled plans are OLD-Do Not Use)						
N. Parachute WF01D I 25 596 - DD - DD	128.3	24.2	50.0	49.8	219.255	CC
N. Parachute WF01D I 25 596 - DD - DD	200.0	95.8	50.2	49.7	104.905	ES
N. Parachute WF01D I 25 596 - DD - DD	700.0	598.9	90.3	88.0	38.586	SF
N. Parachute WF01D I 25 596 - DD - Plan #1	200.0	96.0	50.0	49.5	104.523	CC, ES
N. Parachute WF01D I 25 596 - DD - Plan #1	800.0	702.6	98.9	96.1	35.857	SF
N. Parachute WF01D I 25 596 - DD Stk - DD Stk	100.0	87.9	50.1	49.8	179.874	CC, ES
N. Parachute WF01D I 25 596 - DD Stk - DD Stk	700.0	690.9	90.7	88.3	36.760	SF
N. Parachute WF02D I 25 596 - DD - DD	234.0	223.1	93.3	92.6	127.159	CC, ES
N. Parachute WF02D I 25 596 - DD - DD	2,800.0	2,700.8	710.1	668.3	16.984	SF
N. Parachute WF02D I 25 596 - DD - Plan #1	200.0	96.0	94.9	94.4	198.404	CC, ES
N. Parachute WF02D I 25 596 - DD - Plan #1	4,600.0	4,328.4	1,341.5	1,267.5	18.130	SF
N. Parachute WF07B I 25 596 - DD - DD	100.0	87.9	109.3	109.1	392.792	CC
N. Parachute WF07B I 25 596 - DD - DD	200.0	187.8	109.5	108.8	178.126	ES
N. Parachute WF07B I 25 596 - DD - DD	3,200.0	2,838.6	1,343.4	1,299.1	30.333	SF
N. Parachute WF07B I 25 596 - DD - Plan #2	200.0	95.0	109.3	108.8	229.412	CC, ES
N. Parachute WF07B I 25 596 - DD - Plan #2	3,200.0	2,769.5	1,334.6	1,291.6	31.045	SF
N. Parachute WF07D I 25 596 - DD - DD	158.6	146.6	134.1	133.7	287.164	CC
N. Parachute WF07D I 25 596 - DD - DD	200.0	187.9	134.2	133.5	219.672	ES
N. Parachute WF07D I 25 596 - DD - DD	3,000.0	2,708.6	1,308.8	1,284.1	52.948	SF
N. Parachute WF08B I 25 596 - DD - DD	100.0	87.9	79.8	79.5	295.091	CC
N. Parachute WF08B I 25 596 - DD - DD	200.0	187.9	80.0	79.4	130.906	ES
N. Parachute WF08B I 25 596 - DD - DD	2,500.0	2,463.0	641.1	621.6	32.858	SF
N. Parachute WF08B I 25 596 - DD - Plan #1	200.0	94.0	79.7	79.3	167.966	CC, ES
N. Parachute WF08B I 25 596 - DD - Plan #1	4,200.0	3,916.6	1,336.7	1,298.8	35.285	SF
N. Parachute WF08D I 25 596 - DD - DD	216.4	204.8	64.2	63.6	95.915	CC, ES
N. Parachute WF08D I 25 596 - DD - DD	600.0	585.0	96.5	94.5	46.402	SF
N. Parachute WF08D I 25 596 - DD - Plan #1	200.0	96.0	64.9	64.4	135.741	CC, ES
N. Parachute WF08D I 25 596 - DD - Plan #1	600.0	493.1	97.5	95.6	49.806	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - EF09D - DD - Plan #3													Offset Site Error:	0.0 ft
Survey Program: O-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)				
6,400.0	5,081.5	5,978.9	5,474.8	63.8	42.4	2.07	4,907.7	-5.4	1,340.6	1,301.0	39.61	33.848		
6,500.0	5,179.9	6,048.2	5,542.4	64.1	42.7	1.59	4,896.8	-15.7	1,307.2	1,266.9	40.26	32.469		
6,600.0	5,279.1	6,119.8	5,612.6	64.3	42.9	1.16	4,886.7	-25.1	1,280.6	1,239.8	40.82	31.371		
6,700.0	5,378.8	6,200.0	5,691.7	64.4	43.2	0.73	4,877.0	-34.3	1,261.0	1,219.7	41.31	30.529		
6,800.0	5,478.8	6,267.9	5,758.9	64.4	43.4	120.27	4,870.0	-40.8	1,248.5	1,206.8	41.63	29.990		
6,900.0	5,578.8	6,343.4	5,833.9	64.4	43.5	120.02	4,863.6	-46.9	1,240.1	1,198.1	42.06	29.486		
7,000.0	5,678.8	6,419.3	5,909.5	64.5	43.6	119.82	4,858.6	-51.5	1,233.9	1,191.4	42.45	29.065		
7,100.0	5,778.8	6,500.0	5,990.1	64.5	43.7	119.67	4,854.9	-55.0	1,229.6	1,186.8	42.81	28.723		
7,200.0	5,878.8	6,571.8	6,061.8	64.5	43.8	119.60	4,852.9	-56.8	1,227.2	1,184.1	43.09	28.481		
7,275.2	5,954.0	6,629.3	6,119.3	64.5	43.8	119.59	4,852.4	-57.3	1,226.6	1,183.4	43.28	28.345		
7,300.0	5,978.8	6,652.1	6,142.0	64.5	43.8	119.60	4,852.4	-57.4	1,226.7	1,183.3	43.34	28.306		
7,400.0	6,078.8	6,763.7	6,253.7	64.6	43.9	119.57	4,851.7	-58.5	1,226.4	1,182.7	43.64	28.105		
7,500.0	6,178.8	6,863.9	6,353.8	64.6	44.0	119.50	4,850.6	-60.4	1,225.6	1,181.6	43.95	27.885		
7,600.0	6,278.8	6,963.9	6,453.8	64.6	44.1	119.44	4,849.5	-62.3	1,224.8	1,180.5	44.27	27.668		
7,700.0	6,378.8	7,063.9	6,553.8	64.7	44.2	119.37	4,848.4	-64.2	1,224.0	1,179.5	44.59	27.453		
7,800.0	6,478.8	7,163.8	6,653.7	64.7	44.2	119.30	4,847.3	-66.1	1,223.3	1,178.4	44.90	27.242		
7,900.0	6,578.8	7,263.8	6,753.7	64.7	44.3	119.24	4,846.2	-68.0	1,222.5	1,177.3	45.22	27.032		
8,000.0	6,678.8	7,363.8	6,853.6	64.8	44.4	119.17	4,845.1	-69.9	1,221.7	1,176.2	45.54	26.826		
8,100.0	6,778.8	7,463.8	6,953.6	64.8	44.5	119.10	4,844.0	-71.8	1,220.9	1,175.1	45.86	26.622		
8,200.0	6,878.8	7,563.8	7,053.6	64.8	44.6	119.04	4,842.9	-73.7	1,220.2	1,174.0	46.18	26.421		
8,300.0	6,978.8	7,663.8	7,153.5	64.9	44.7	118.97	4,841.8	-75.6	1,219.4	1,172.9	46.50	26.222		
8,400.0	7,078.8	7,763.8	7,253.5	64.9	44.7	118.90	4,840.7	-77.5	1,218.6	1,171.8	46.82	26.026		
8,500.0	7,178.8	7,863.7	7,353.5	64.9	44.8	118.84	4,839.6	-79.4	1,217.9	1,170.7	47.15	25.832		
8,600.0	7,278.8	7,963.7	7,453.4	65.0	44.9	118.77	4,838.5	-81.3	1,217.1	1,169.6	47.47	25.640		
8,700.0	7,378.8	8,063.7	7,553.4	65.0	45.0	118.70	4,837.4	-83.2	1,216.3	1,168.5	47.79	25.451		
8,800.0	7,478.8	8,163.7	7,653.4	65.0	45.1	118.63	4,836.3	-85.1	1,215.6	1,167.5	48.11	25.264		
8,900.0	7,578.8	8,263.7	7,753.3	65.1	45.2	118.57	4,835.3	-87.0	1,214.8	1,166.4	48.44	25.080		
9,000.0	7,678.8	8,363.7	7,853.3	65.1	45.3	118.50	4,834.2	-88.9	1,214.0	1,165.3	48.76	24.897		
9,100.0	7,778.8	8,463.7	7,953.2	65.1	45.4	118.43	4,833.1	-90.7	1,213.3	1,164.2	49.09	24.717		
9,200.0	7,878.8	8,563.7	8,053.2	65.2	45.5	118.37	4,832.0	-92.6	1,212.5	1,163.1	49.41	24.539		
9,300.0	7,978.8	8,663.6	8,153.2	65.2	45.6	118.30	4,830.9	-94.5	1,211.8	1,162.0	49.74	24.363		
9,400.0	8,078.7	8,763.6	8,253.1	65.3	45.6	118.23	4,829.8	-96.4	1,211.0	1,161.0	50.07	24.189		
9,500.0	8,178.7	8,863.6	8,353.1	65.3	45.7	118.16	4,828.7	-98.3	1,210.3	1,159.9	50.39	24.017		
9,600.0	8,278.7	8,963.6	8,453.1	65.3	45.8	118.09	4,827.6	-100.2	1,209.5	1,158.8	50.72	23.848		
9,700.0	8,378.7	9,063.6	8,553.0	65.4	45.9	118.03	4,826.5	-102.1	1,208.8	1,157.7	51.05	23.680		
9,800.0	8,478.7	9,163.6	8,653.0	65.4	46.0	117.96	4,825.4	-104.0	1,208.0	1,156.7	51.38	23.514		
9,900.0	8,578.7	9,263.6	8,752.9	65.5	46.1	117.89	4,824.3	-105.9	1,207.3	1,155.6	51.70	23.350		
10,000.0	8,678.7	9,363.6	8,852.9	65.5	46.2	117.82	4,823.2	-107.8	1,206.6	1,154.5	52.03	23.188		
10,100.0	8,778.7	9,463.5	8,952.9	65.5	46.3	117.75	4,822.1	-109.7	1,205.8	1,153.5	52.36	23.028		
10,200.0	8,878.7	9,563.5	9,052.8	65.6	46.4	117.69	4,821.0	-111.6	1,205.1	1,152.4	52.69	22.870		
10,300.0	8,978.7	9,663.5	9,152.8	65.6	46.5	117.62	4,819.9	-113.5	1,204.3	1,151.3	53.02	22.713		
10,400.0	9,078.7	9,763.5	9,252.8	65.7	46.6	117.55	4,818.8	-115.4	1,203.6	1,150.3	53.35	22.559		
10,500.0	9,178.7	9,863.5	9,352.7	65.7	46.7	117.48	4,817.7	-117.3	1,202.9	1,149.2	53.69	22.406		
10,600.0	9,278.7	9,963.5	9,452.7	65.8	46.8	117.41	4,816.6	-119.2	1,202.1	1,148.1	54.02	22.254		
10,700.0	9,378.7	10,063.5	9,552.6	65.8	46.9	117.34	4,815.5	-121.1	1,201.4	1,147.1	54.35	22.105		
10,800.0	9,478.7	10,163.4	9,652.6	65.9	47.0	117.27	4,814.4	-123.0	1,200.7	1,146.0	54.68	21.957		
10,900.0	9,578.7	10,263.4	9,752.6	65.9	47.1	117.20	4,813.3	-124.9	1,200.0	1,144.9	55.02	21.811		
11,000.0	9,678.7	10,363.4	9,852.5	65.9	47.2	117.14	4,812.2	-126.8	1,199.2	1,143.9	55.35	21.666		
11,100.0	9,778.7	10,463.4	9,952.5	66.0	47.3	117.07	4,811.1	-128.7	1,198.5	1,142.8	55.68	21.523		
11,200.0	9,878.7	10,563.4	10,052.5	66.0	47.4	117.00	4,810.0	-130.6	1,197.8	1,141.8	56.02	21.382		
11,300.0	9,978.7	10,663.4	10,152.4	66.1	47.5	116.93	4,809.0	-132.5	1,197.1	1,140.7	56.35	21.242		
11,400.0	10,078.7	10,763.4	10,252.4	66.1	47.6	116.86	4,807.9	-134.4	1,196.4	1,139.7	56.69	21.104		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - EF09D - DD - Plan #3													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
11,456.2	10,134.9	10,811.0	10,300.0	66.2	47.6	116.83	4,807.3	-135.3	1,196.0	1,139.1	56.86	21.033 CC, ES		
11,500.0	10,178.7	10,811.0	10,300.0	66.2	47.6	116.83	4,807.3	-135.3	1,196.8	1,139.8	56.94	21.018 SF		
11,589.3	10,268.0	10,811.0	10,300.0	66.2	47.6	116.83	4,807.3	-135.3	1,203.4	1,146.3	57.10	21.076		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - EF09D - DD - PRODUCING													Offset Site Error:	0.0 ft
Survey Program: 133-MWD, 2590-MWD, 6497-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			
6,600.0	5,279.1	6,322.6	5,837.9	64.3	43.0	1.03	4,886.6	-28.3	1,329.5	1,288.5	40.95	32.468		
6,700.0	5,378.8	6,398.0	5,908.8	64.4	43.4	0.36	4,865.2	-42.4	1,293.6	1,252.0	41.62	31.082		
6,800.0	5,478.8	6,484.3	5,990.7	64.4	43.9	119.56	4,841.6	-55.9	1,264.0	1,221.7	42.26	29.912		
6,900.0	5,578.8	6,566.7	6,069.5	64.4	44.3	119.20	4,818.9	-64.4	1,236.7	1,193.9	42.82	28.879		
7,000.0	5,678.8	6,628.4	6,128.8	64.5	44.6	118.94	4,803.3	-70.0	1,211.8	1,168.5	43.30	27.990		
7,100.0	5,778.8	6,687.0	6,185.7	64.5	44.8	118.71	4,790.0	-74.8	1,189.7	1,145.9	43.75	27.194		
7,200.0	5,878.8	6,757.4	6,254.5	64.5	45.1	118.41	4,776.4	-80.6	1,170.7	1,126.4	44.27	26.447		
7,300.0	5,978.8	6,837.5	6,333.1	64.5	45.3	118.09	4,762.3	-86.8	1,153.6	1,108.8	44.82	25.740		
7,400.0	6,078.8	6,899.9	6,394.6	64.6	45.5	117.88	4,752.6	-91.0	1,138.7	1,093.5	45.26	25.160		
7,500.0	6,178.8	6,961.3	6,455.5	64.6	45.7	117.71	4,745.2	-94.2	1,127.1	1,081.5	45.65	24.692		
7,600.0	6,278.8	7,030.2	6,524.1	64.6	45.8	117.56	4,739.3	-97.2	1,118.9	1,072.8	46.03	24.306		
7,700.0	6,378.8	7,103.6	6,597.3	64.7	45.9	117.40	4,734.3	-100.4	1,112.7	1,066.3	46.43	23.965		
7,800.0	6,478.8	7,186.0	6,679.5	64.7	46.0	117.30	4,730.8	-102.6	1,108.7	1,062.0	46.77	23.706		
7,900.0	6,578.8	7,272.7	6,766.2	64.7	46.1	117.25	4,728.2	-104.0	1,106.1	1,059.1	47.06	23.503		
8,000.0	6,678.8	7,357.2	6,850.7	64.8	46.1	117.23	4,726.8	-104.7	1,104.8	1,057.4	47.32	23.347		
8,043.8	6,722.6	7,394.0	6,887.5	64.8	46.2	117.23	4,726.5	-104.9	1,104.6	1,057.2	47.43	23.291 CC, ES		
8,100.0	6,778.8	7,441.9	6,935.3	64.8	46.2	117.22	4,726.6	-105.4	1,104.8	1,057.3	47.58	23.221		
8,200.0	6,878.8	7,533.3	7,026.7	64.8	46.2	117.16	4,727.4	-106.9	1,106.1	1,058.2	47.89	23.096		
8,300.0	6,978.8	7,632.2	7,125.6	64.9	46.3	117.06	4,728.6	-109.5	1,107.7	1,059.5	48.26	22.955		
8,400.0	7,078.8	7,740.2	7,233.6	64.9	46.4	116.93	4,729.7	-112.6	1,109.1	1,060.5	48.65	22.800		
8,500.0	7,178.8	7,843.9	7,337.2	64.9	46.5	116.81	4,729.9	-115.5	1,109.8	1,060.7	49.03	22.634		
8,600.0	7,278.8	7,931.8	7,425.1	65.0	46.5	116.69	4,730.4	-118.3	1,110.8	1,061.4	49.41	22.483		
8,700.0	7,378.8	7,957.0	7,450.3	65.0	46.6	116.65	4,730.7	-119.2	1,115.0	1,065.4	49.64	22.461 SF		
8,800.0	7,478.8	7,957.0	7,450.3	65.0	46.6	116.65	4,730.7	-119.2	1,127.8	1,078.0	49.82	22.638		
8,900.0	7,578.8	7,957.0	7,450.3	65.1	46.6	116.65	4,730.7	-119.2	1,149.2	1,099.2	49.99	22.986		
9,000.0	7,678.8	7,957.0	7,450.3	65.1	46.6	116.65	4,730.7	-119.2	1,178.7	1,128.5	50.17	23.493		
9,100.0	7,778.8	7,957.0	7,450.3	65.1	46.6	116.65	4,730.7	-119.2	1,215.7	1,165.4	50.35	24.147		
9,200.0	7,878.8	7,957.0	7,450.3	65.2	46.6	116.65	4,730.7	-119.2	1,259.6	1,209.1	50.52	24.931		
9,300.0	7,978.8	7,957.0	7,450.3	65.2	46.6	116.65	4,730.7	-119.2	1,309.7	1,259.0	50.70	25.832		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - NP EF16A-24 E19 595 - DD - DD													Offset Site Error: 0.0 ft	
Survey Program: 202-MWD, 2207-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		
5,700.0	4,436.9	6,020.0	5,135.6	59.3	54.1	-13.08	4,498.9	-209.0	1,302.3	1,247.0	55.27	23.562		
5,800.0	4,522.4	6,043.2	5,155.9	60.2	54.2	-12.90	4,489.2	-214.6	1,221.3	1,164.9	56.32	21.685		
5,900.0	4,610.6	6,086.0	5,194.0	61.0	54.6	-13.39	4,472.4	-224.5	1,145.4	1,087.2	58.27	19.657		
6,000.0	4,701.1	6,106.9	5,212.9	61.7	54.7	-13.28	4,464.7	-229.0	1,075.1	1,015.9	59.19	18.164		
6,100.0	4,793.7	6,147.0	5,249.6	62.4	55.0	-13.73	4,450.9	-237.4	1,011.3	950.5	60.87	16.615		
6,200.0	4,888.1	6,196.6	5,295.7	62.9	55.3	-14.40	4,435.3	-246.9	954.6	891.8	62.77	15.207		
6,300.0	4,984.1	6,247.8	5,344.1	63.4	55.6	-15.07	4,421.0	-255.6	905.4	840.9	64.55	14.027		
6,400.0	5,081.5	6,305.0	5,399.0	63.8	55.9	-15.81	4,407.3	-264.4	864.6	798.2	66.35	13.031		
6,500.0	5,179.9	6,380.3	5,471.8	64.1	56.2	-16.80	4,391.3	-274.7	831.3	762.9	68.41	12.151		
6,600.0	5,279.1	6,444.3	5,534.6	64.3	56.4	-17.42	4,380.5	-281.2	806.1	736.4	69.75	11.558		
6,700.0	5,378.8	6,522.3	5,611.6	64.4	56.6	-18.06	4,370.2	-287.4	789.1	718.2	70.99	11.117		
6,800.0	5,478.8	6,604.1	5,692.9	64.4	56.7	101.29	4,362.0	-292.3	779.5	707.7	71.87	10.846		
6,900.0	5,578.8	6,695.8	5,784.1	64.4	56.9	100.81	4,354.5	-297.1	773.6	700.8	72.79	10.628		
7,000.0	5,678.8	6,791.1	5,879.0	64.5	57.1	100.30	4,347.3	-302.4	768.5	694.8	73.74	10.422		
7,100.0	5,778.8	6,882.6	5,970.1	64.5	57.2	99.80	4,341.2	-307.8	764.4	689.7	74.68	10.235		
7,200.0	5,878.8	6,975.6	6,062.8	64.5	57.4	99.30	4,335.8	-313.4	761.2	685.6	75.59	10.070		
7,300.0	5,978.8	7,075.3	6,162.3	64.5	57.5	98.89	4,331.1	-318.1	758.6	682.3	76.37	9.934		
7,400.0	6,078.8	7,177.0	6,263.8	64.6	57.6	98.57	4,326.7	-321.5	755.8	678.8	77.00	9.816		
7,500.0	6,178.8	7,273.0	6,359.7	64.6	57.8	98.26	4,322.4	-324.6	753.1	675.5	77.61	9.704		
7,600.0	6,278.8	7,356.4	6,443.0	64.6	57.8	98.05	4,320.1	-327.2	751.8	673.7	78.05	9.631		
7,603.2	6,282.0	7,359.0	6,445.6	64.6	57.8	98.04	4,320.0	-327.3	751.8	673.7	78.06	9.630 CC		
7,700.0	6,378.8	7,448.5	6,535.0	64.7	57.9	97.89	4,319.5	-329.8	752.3	673.9	78.43	9.592		
7,800.0	6,478.8	7,560.3	6,646.8	64.7	57.9	97.84	4,319.2	-331.1	752.6	674.0	78.62	9.574		
7,900.0	6,578.8	7,656.9	6,743.4	64.7	58.0	97.96	4,319.2	-330.1	752.3	673.7	78.57	9.575		
8,000.0	6,678.8	7,757.2	6,843.7	64.8	58.0	98.02	4,319.1	-329.7	752.1	673.5	78.61	9.567		
8,028.2	6,707.0	7,784.0	6,870.6	64.8	58.0	98.03	4,319.0	-329.7	752.1	673.4	78.64	9.563		
8,100.0	6,778.8	7,852.8	6,939.3	64.8	58.1	98.03	4,319.0	-330.1	752.2	673.5	78.74	9.554		
8,200.0	6,878.8	7,950.4	7,036.9	64.8	58.1	97.96	4,318.8	-331.6	752.8	673.8	78.99	9.530		
8,300.0	6,978.8	8,046.1	7,132.5	64.9	58.2	97.83	4,318.8	-334.1	753.8	674.5	79.34	9.501		
8,400.0	7,078.8	8,146.0	7,232.5	64.9	58.3	97.67	4,318.9	-337.1	755.2	675.5	79.72	9.472		
8,500.0	7,178.8	8,248.5	7,334.9	64.9	58.3	97.52	4,318.9	-339.8	756.2	676.2	80.09	9.442		
8,600.0	7,278.8	8,347.5	7,433.8	65.0	58.4	97.33	4,318.7	-343.0	757.3	676.8	80.52	9.405		
8,700.0	7,378.8	8,451.0	7,537.3	65.0	58.5	97.09	4,318.0	-346.8	758.3	677.3	81.03	9.358		
8,800.0	7,478.8	8,553.4	7,639.6	65.0	58.6	96.84	4,316.7	-350.5	758.7	677.1	81.56	9.302		
8,900.0	7,578.8	8,652.6	7,738.7	65.1	58.7	96.59	4,315.5	-354.3	759.2	677.1	82.09	9.248		
9,000.0	7,678.8	8,754.5	7,840.5	65.1	58.8	96.31	4,314.1	-358.3	759.5	676.9	82.66	9.189		
9,100.0	7,778.8	8,860.5	7,946.4	65.1	59.0	96.01	4,312.1	-362.4	759.5	676.2	83.25	9.123		
9,200.0	7,878.8	8,965.9	8,051.7	65.2	59.1	95.72	4,309.3	-366.0	758.5	674.7	83.83	9.048		
9,300.0	7,978.8	9,063.7	8,149.4	65.2	59.2	95.41	4,306.2	-369.8	757.3	672.9	84.44	8.968		
9,400.0	8,078.7	9,165.5	8,251.1	65.3	59.3	95.02	4,302.8	-374.4	756.3	671.2	85.16	8.881		
9,500.0	8,178.7	9,264.9	8,350.2	65.3	59.5	94.58	4,299.0	-379.6	755.2	669.2	85.96	8.785		
9,600.0	8,278.7	9,363.2	8,448.3	65.3	59.7	94.11	4,295.1	-385.3	754.2	667.4	86.79	8.690		
9,700.0	8,378.7	9,461.3	8,546.1	65.4	59.8	93.62	4,291.3	-391.2	753.5	665.9	87.64	8.598		
9,773.2	8,451.9	9,530.6	8,615.2	65.4	59.9	93.24	4,288.7	-395.9	753.3	665.0	88.30	8.532		
9,800.0	8,478.7	9,555.9	8,640.4	65.4	60.0	93.10	4,287.8	-397.8	753.3	664.8	88.54	8.508		
9,900.0	8,578.7	9,658.2	8,742.4	65.5	60.2	92.46	4,283.6	-405.8	753.4	663.8	89.61	8.408		
9,923.3	8,602.0	9,681.2	8,765.2	65.5	60.2	92.30	4,282.6	-407.7	753.4	663.5	89.87	8.383		
10,000.0	8,678.7	9,756.4	8,840.1	65.5	60.4	91.75	4,279.0	-414.4	753.5	662.7	90.76	8.303		
10,100.0	8,778.7	9,852.2	8,935.3	65.5	60.6	91.01	4,274.5	-423.8	754.1	662.1	91.95	8.202		
10,200.0	8,878.7	9,959.8	9,042.1	65.6	60.8	90.11	4,268.7	-434.8	754.5	661.2	93.34	8.083		
10,300.0	8,978.7	10,065.8	9,147.3	65.6	61.1	89.12	4,261.2	-446.1	753.9	659.1	94.84	7.950		
10,363.9	9,042.6	10,128.0	9,208.9	65.7	61.3	88.53	4,256.6	-452.9	753.6	657.8	95.72	7.872 ES, SF		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - NP EF16A-24 E19 595 - DD - DD												Offset Site Error:	0.0 ft
Survey Program: 202-MWD, 2207-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
10,400.0	9,078.7	10,130.0	9,210.9	65.7	61.3	88.51	4,256.5	-453.1	754.2	658.4	95.78	7.874	
10,500.0	9,178.7	10,130.0	9,210.9	65.7	61.3	88.51	4,256.5	-453.1	764.8	668.9	95.85	7.979	
10,600.0	9,278.7	10,130.0	9,210.9	65.8	61.3	88.51	4,256.5	-453.1	788.1	692.1	95.93	8.215	
10,700.0	9,378.7	10,130.0	9,210.9	65.8	61.3	88.51	4,256.5	-453.1	822.9	726.9	96.01	8.571	
10,800.0	9,478.7	10,130.0	9,210.9	65.9	61.3	88.51	4,256.5	-453.1	867.9	771.9	96.09	9.033	
10,900.0	9,578.7	10,130.0	9,210.9	65.9	61.3	88.51	4,256.5	-453.1	921.7	825.5	96.17	9.584	
11,000.0	9,678.7	10,130.0	9,210.9	65.9	61.3	88.51	4,256.5	-453.1	982.7	886.4	96.25	10.210	
11,100.0	9,778.7	10,130.0	9,210.9	66.0	61.3	88.51	4,256.5	-453.1	1,049.6	953.3	96.33	10.896	
11,200.0	9,878.7	10,130.0	9,210.9	66.0	61.3	88.51	4,256.5	-453.1	1,121.6	1,025.1	96.41	11.633	
11,300.0	9,978.7	10,130.0	9,210.9	66.1	61.3	88.51	4,256.5	-453.1	1,197.5	1,101.0	96.49	12.410	
11,400.0	10,078.7	10,130.0	9,210.9	66.1	61.3	88.51	4,256.5	-453.1	1,276.8	1,180.2	96.58	13.221	
11,500.0	10,178.7	10,130.0	9,210.9	66.2	61.3	88.51	4,256.5	-453.1	1,358.8	1,262.1	96.66	14.058	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - NP EF16A-24 E19 595 - DD - Plan #7													Offset Site Error:	0.0 ft
Survey Program: 202-MWD, 2207-MWD, 5449-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		
5,700.0	4,436.9	6,021.5	5,125.7	59.3	54.4	-14.50	4,493.0	-227.5	1,295.5	1,238.0	57.54	22.515		
5,800.0	4,522.4	6,053.1	5,152.7	60.2	54.7	-14.69	4,479.5	-237.1	1,214.8	1,155.6	59.19	20.524		
5,900.0	4,610.6	6,100.0	5,193.3	61.0	55.1	-15.48	4,460.4	-250.7	1,138.9	1,077.2	61.67	18.468		
6,000.0	4,701.1	6,130.9	5,220.4	61.7	55.3	-15.73	4,448.4	-259.3	1,068.3	1,005.1	63.19	16.907		
6,100.0	4,793.7	6,177.5	5,261.8	62.4	55.7	-16.53	4,431.1	-271.6	1,003.9	938.5	65.47	15.334		
6,200.0	4,888.1	6,229.4	5,308.8	62.9	56.1	-17.49	4,413.0	-284.5	946.3	878.4	67.89	13.939		
6,300.0	4,984.1	6,300.0	5,373.7	63.4	56.6	-18.95	4,390.5	-300.6	896.0	825.0	70.97	12.624		
6,400.0	5,081.5	6,349.0	5,419.5	63.8	56.8	-19.76	4,376.3	-310.7	853.0	780.2	72.88	11.704		
6,500.0	5,179.9	6,416.3	5,483.2	64.1	57.2	-20.96	4,358.8	-323.2	818.2	742.9	75.29	10.867		
6,600.0	5,279.1	6,487.9	5,552.0	64.3	57.5	-22.13	4,342.6	-334.8	791.2	713.8	77.48	10.212		
6,700.0	5,378.8	6,563.2	5,625.3	64.4	57.8	-23.17	4,328.4	-344.9	772.3	692.9	79.32	9.736		
6,800.0	5,478.8	6,641.3	5,702.1	64.4	58.0	95.83	4,316.8	-353.2	761.0	680.3	80.72	9.428		
6,900.0	5,578.8	6,721.0	5,781.1	64.4	58.2	95.17	4,308.3	-359.3	754.5	672.7	81.82	9.221		
7,000.0	5,678.8	6,800.0	5,859.8	64.5	58.3	94.78	4,303.1	-363.0	750.6	668.1	82.49	9.099		
7,100.0	5,778.8	6,885.2	5,945.0	64.5	58.3	94.66	4,301.2	-364.3	749.3	666.6	82.75	9.055 CC		
7,124.5	5,803.3	6,906.6	5,966.4	64.5	58.3	94.67	4,301.2	-364.3	749.3	666.6	82.76	9.054		
7,200.0	5,878.8	6,982.3	6,042.0	64.5	58.3	94.68	4,301.1	-364.5	749.4	666.5	82.82	9.048		
7,300.0	5,978.8	7,082.4	6,142.1	64.5	58.4	94.68	4,300.8	-365.0	749.4	666.4	82.94	9.035		
7,400.0	6,078.8	7,182.4	6,242.1	64.6	58.4	94.68	4,300.5	-365.5	749.4	666.3	83.06	9.022		
7,500.0	6,178.8	7,282.4	6,342.1	64.6	58.5	94.68	4,300.2	-366.1	749.4	666.2	83.18	9.009		
7,600.0	6,278.8	7,382.4	6,442.1	64.6	58.5	94.68	4,299.9	-366.6	749.4	666.1	83.31	8.995		
7,700.0	6,378.8	7,482.4	6,542.1	64.7	58.6	94.67	4,299.6	-367.1	749.4	665.9	83.43	8.982		
7,800.0	6,478.8	7,582.4	6,642.1	64.7	58.6	94.67	4,299.2	-367.7	749.4	665.8	83.56	8.968		
7,900.0	6,578.8	7,682.4	6,742.1	64.7	58.7	94.67	4,298.9	-368.2	749.4	665.7	83.69	8.955		
8,000.0	6,678.8	7,782.4	6,842.1	64.8	58.7	94.66	4,298.6	-368.7	749.4	665.6	83.81	8.941		
8,100.0	6,778.8	7,882.4	6,942.1	64.8	58.8	94.66	4,298.3	-369.3	749.4	665.4	83.94	8.927		
8,200.0	6,878.8	7,982.4	7,042.1	64.8	58.8	94.66	4,298.0	-369.8	749.4	665.3	84.08	8.913		
8,218.9	6,897.7	8,001.3	7,061.0	64.8	58.8	94.66	4,298.0	-369.9	749.4	665.3	84.10	8.910		
8,300.0	6,978.8	8,082.4	7,142.1	64.9	58.9	94.65	4,297.7	-370.3	749.4	665.2	84.21	8.899		
8,400.0	7,078.8	8,182.4	7,242.1	64.9	58.9	94.65	4,297.4	-370.8	749.4	665.0	84.34	8.885		
8,500.0	7,178.8	8,282.4	7,342.1	64.9	59.0	94.65	4,297.1	-371.4	749.4	664.9	84.48	8.870		
8,600.0	7,278.8	8,382.4	7,442.1	65.0	59.0	94.65	4,296.8	-371.9	749.4	664.7	84.62	8.856		
8,700.0	7,378.8	8,482.4	7,542.1	65.0	59.1	94.64	4,296.5	-372.4	749.4	664.6	84.76	8.842		
8,800.0	7,478.8	8,582.4	7,642.1	65.0	59.1	94.64	4,296.2	-373.0	749.4	664.5	84.89	8.827		
8,900.0	7,578.8	8,682.4	7,742.1	65.1	59.2	94.64	4,295.9	-373.5	749.4	664.3	85.04	8.812		
9,000.0	7,678.8	8,782.4	7,842.1	65.1	59.2	94.63	4,295.6	-374.0	749.4	664.2	85.18	8.798		
9,100.0	7,778.8	8,882.4	7,942.1	65.1	59.3	94.63	4,295.2	-374.6	749.4	664.0	85.32	8.783		
9,200.0	7,878.8	8,982.4	8,042.1	65.2	59.4	94.63	4,294.9	-375.1	749.4	663.9	85.47	8.768		
9,300.0	7,978.8	9,082.4	8,142.1	65.2	59.4	94.62	4,294.6	-375.6	749.4	663.8	85.61	8.753		
9,400.0	8,078.7	9,182.4	8,242.1	65.3	59.5	94.62	4,294.3	-376.1	749.4	663.6	85.76	8.738		
9,500.0	8,178.7	9,282.4	8,342.1	65.3	59.5	94.62	4,294.0	-376.7	749.4	663.5	85.91	8.723		
9,600.0	8,278.7	9,382.4	8,442.1	65.3	59.6	94.62	4,293.7	-377.2	749.4	663.3	86.06	8.708		
9,700.0	8,378.7	9,482.4	8,542.1	65.4	59.6	94.61	4,293.4	-377.7	749.4	663.2	86.21	8.693		
9,800.0	8,478.7	9,582.4	8,642.1	65.4	59.7	94.61	4,293.1	-378.3	749.4	663.0	86.36	8.677		
9,900.0	8,578.7	9,682.4	8,742.1	65.5	59.8	94.61	4,292.8	-378.8	749.4	662.9	86.51	8.662		
10,000.0	8,678.7	9,782.4	8,842.1	65.5	59.8	94.60	4,292.5	-379.3	749.4	662.7	86.67	8.646		
10,100.0	8,778.7	9,882.4	8,942.1	65.5	59.9	94.60	4,292.2	-379.9	749.4	662.5	86.82	8.631		
10,200.0	8,878.7	9,982.4	9,042.1	65.6	59.9	94.60	4,291.9	-380.4	749.4	662.4	86.98	8.615		
10,300.0	8,978.7	10,082.4	9,142.1	65.6	60.0	94.59	4,291.5	-380.9	749.4	662.2	87.14	8.600		
10,400.0	9,078.7	10,182.4	9,242.1	65.7	60.1	94.59	4,291.2	-381.5	749.4	662.1	87.30	8.584		
10,404.1	9,082.8	10,186.5	9,246.2	65.7	60.1	94.59	4,291.2	-381.5	749.4	662.1	87.30	8.583 ES, SF		
10,500.0	9,178.7	10,219.3	9,279.0	65.7	60.1	94.59	4,291.1	-381.6	752.0	664.6	87.41	8.603		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design E19 595 (NESE S24-T5S-R95W) - NP EF16A-24 E19 595 - DD - Plan #7												Offset Site Error:	0.0 ft
Survey Program: 202-MWD, 2207-MWD, 5449-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
10,600.0	9,278.7	10,219.3	9,279.0	65.8	60.1	94.59	4,291.1	-381.6	766.9	679.4	87.51	8.764	
10,700.0	9,378.7	10,219.3	9,279.0	65.8	60.1	94.59	4,291.1	-381.6	794.2	706.6	87.60	9.066	
10,800.0	9,478.7	10,219.3	9,279.0	65.9	60.1	94.59	4,291.1	-381.6	832.7	745.0	87.69	9.496	
10,900.0	9,578.7	10,219.3	9,279.0	65.9	60.1	94.59	4,291.1	-381.6	880.9	793.1	87.79	10.035	
11,000.0	9,678.7	10,219.3	9,279.0	65.9	60.1	94.59	4,291.1	-381.6	937.3	849.5	87.88	10.666	
11,100.0	9,778.7	10,219.3	9,279.0	66.0	60.1	94.59	4,291.1	-381.6	1,000.6	912.6	87.97	11.374	
11,200.0	9,878.7	10,219.3	9,279.0	66.0	60.1	94.59	4,291.1	-381.6	1,069.5	981.4	88.07	12.144	
11,300.0	9,978.7	10,219.3	9,279.0	66.1	60.1	94.59	4,291.1	-381.6	1,143.0	1,054.8	88.17	12.964	
11,400.0	10,078.7	10,219.3	9,279.0	66.1	60.1	94.59	4,291.1	-381.6	1,220.3	1,132.0	88.26	13.825	
11,500.0	10,178.7	10,219.3	9,279.0	66.2	60.1	94.59	4,291.1	-381.6	1,300.6	1,212.3	88.36	14.720	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF01B-25 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Distance		Total		Separation		Warning		
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis			
0.0	0.0	0.0	0.0	0.0	0.0	-131.45	-19.8	-22.5	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	-131.45	-19.8	-22.5	30.0	29.7	0.27	110.073		
200.0	200.0	200.0	200.0	0.3	0.3	-131.45	-19.8	-22.5	30.0	29.3	0.62	48.234 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-134.40	-19.8	-22.5	31.7	30.8	0.97	32.581		
400.0	399.6	400.4	400.4	0.7	0.7	-142.30	-19.2	-22.5	37.1	35.8	1.34	27.735		
500.0	498.8	501.9	501.7	1.0	0.9	-148.55	-13.8	-22.5	43.6	41.9	1.72	25.375		
600.0	597.1	603.8	603.0	1.4	1.1	-153.11	-3.0	-22.7	50.3	48.2	2.11	23.872		
700.0	694.3	706.1	704.0	1.8	1.4	-156.51	13.3	-22.9	57.2	54.7	2.51	22.805		
800.0	790.2	808.8	804.4	2.3	1.8	-159.13	35.0	-23.2	64.1	61.2	2.92	21.984		
900.0	884.4	912.0	903.9	3.0	2.3	-161.18	62.2	-23.5	71.0	67.7	3.33	21.312		
1,000.0	976.8	1,015.6	1,002.2	3.7	2.9	-162.82	95.0	-23.9	77.8	74.1	3.75	20.734		
1,100.0	1,067.1	1,119.6	1,098.9	4.4	3.6	-164.15	133.1	-24.4	84.5	80.3	4.18	20.216		
1,200.0	1,154.9	1,224.0	1,193.8	5.3	4.4	-165.24	176.7	-25.0	91.0	86.4	4.61	19.735		
1,300.0	1,240.2	1,328.8	1,286.5	6.3	5.2	-166.15	225.5	-25.6	97.3	92.3	5.05	19.276		
1,400.0	1,322.6	1,434.0	1,376.7	7.3	6.2	-166.90	279.6	-26.3	103.4	97.9	5.49	18.829		
1,500.0	1,401.9	1,539.5	1,464.1	8.4	7.3	-167.54	338.7	-27.0	109.2	103.2	5.94	18.387		
1,600.0	1,477.9	1,642.4	1,546.4	9.5	8.3	-168.12	400.5	-27.8	115.3	109.0	6.37	18.097 SF		
1,700.0	1,550.6	1,741.9	1,625.4	10.8	9.4	-169.00	460.8	-28.6	125.7	119.0	6.73	18.675		
1,800.0	1,622.1	1,841.1	1,704.3	12.0	10.5	-169.91	521.1	-29.3	137.8	130.7	7.10	19.394		
1,900.0	1,693.6	1,940.4	1,783.3	13.2	11.5	-170.67	581.3	-30.1	149.8	142.3	7.47	20.060		
2,000.0	1,765.1	2,039.6	1,862.2	14.4	12.6	-171.32	641.5	-30.8	161.8	154.0	7.83	20.675		
2,100.0	1,836.6	2,138.9	1,941.1	15.7	13.6	-171.88	701.7	-31.6	173.9	165.7	8.19	21.245		
2,200.0	1,908.1	2,238.1	2,020.0	16.9	14.7	-172.37	761.9	-32.4	186.0	177.5	8.54	21.772		
2,300.0	1,979.7	2,337.4	2,098.9	18.1	15.7	-172.79	822.1	-33.1	198.1	189.2	8.90	22.260		
2,400.0	2,051.2	2,436.7	2,177.8	19.4	16.8	-173.17	882.3	-33.9	210.2	201.0	9.26	22.714		
2,500.0	2,122.7	2,535.9	2,256.7	20.6	17.9	-173.51	942.5	-34.7	222.3	212.7	9.61	23.135		
2,600.0	2,194.2	2,635.2	2,335.6	21.8	18.9	-173.81	1,002.7	-35.4	234.5	224.5	9.97	23.528		
2,700.0	2,265.7	2,734.4	2,414.5	23.0	20.0	-174.08	1,062.9	-36.2	246.6	236.3	10.32	23.894		
2,800.0	2,337.2	2,833.7	2,493.4	24.3	21.0	-174.33	1,123.1	-36.9	258.7	248.1	10.68	24.235		
2,900.0	2,408.8	2,932.9	2,572.3	25.5	22.1	-174.55	1,183.3	-37.7	270.9	259.8	11.03	24.555		
3,000.0	2,480.3	3,032.2	2,651.2	26.7	23.2	-174.76	1,243.5	-38.5	283.0	271.6	11.39	24.855		
3,100.0	2,551.8	3,131.4	2,730.1	28.0	24.2	-174.94	1,303.7	-39.2	295.2	283.4	11.74	25.136		
3,200.0	2,623.3	3,230.7	2,809.0	29.2	25.3	-175.12	1,363.9	-40.0	307.3	295.2	12.10	25.400		
3,300.0	2,694.8	3,330.0	2,887.9	30.4	26.4	-175.28	1,424.1	-40.8	319.5	307.0	12.45	25.649		
3,400.0	2,766.3	3,429.2	2,966.8	31.7	27.4	-175.43	1,484.3	-41.5	331.6	318.8	12.81	25.884		
3,500.0	2,837.9	3,528.5	3,045.8	32.9	28.5	-175.56	1,544.6	-42.3	343.8	330.6	13.17	26.105		
3,600.0	2,909.4	3,627.7	3,124.7	34.1	29.6	-175.69	1,604.8	-43.0	355.9	342.4	13.53	26.314		
3,700.0	2,980.9	3,727.0	3,203.6	35.4	30.6	-175.81	1,665.0	-43.8	368.1	354.2	13.88	26.512		
3,800.0	3,052.4	3,826.2	3,282.5	36.6	31.7	-175.92	1,725.2	-44.6	380.2	366.0	14.24	26.700		
3,900.0	3,123.9	3,925.5	3,361.4	37.8	32.7	-176.03	1,785.4	-45.3	392.4	377.8	14.60	26.878		
4,000.0	3,195.4	4,024.7	3,440.3	39.0	33.8	-176.13	1,845.6	-46.1	404.6	389.6	14.96	27.047		
4,100.0	3,267.0	4,124.0	3,519.2	40.3	34.9	-176.22	1,905.8	-46.9	416.7	401.4	15.32	27.208		
4,200.0	3,338.5	4,223.2	3,598.1	41.5	35.9	-176.31	1,966.0	-47.6	428.9	413.2	15.68	27.361		
4,300.0	3,410.0	4,322.5	3,677.0	42.7	37.0	-176.39	2,026.2	-48.4	441.1	425.0	16.03	27.507		
4,400.0	3,481.5	4,421.8	3,755.9	44.0	38.1	-176.47	2,086.4	-49.1	453.2	436.8	16.39	27.646		
4,500.0	3,553.0	4,521.0	3,834.8	45.2	39.1	-176.55	2,146.6	-49.9	465.4	448.7	16.75	27.779		
4,600.0	3,624.5	4,620.3	3,913.7	46.4	40.2	-176.62	2,206.8	-50.7	477.6	460.5	17.11	27.906		
4,700.0	3,696.1	4,719.5	3,992.6	47.7	41.3	-176.68	2,267.0	-51.4	489.8	472.3	17.47	28.027		
4,800.0	3,767.6	4,818.8	4,071.5	48.9	42.3	-176.75	2,327.2	-52.2	501.9	484.1	17.83	28.144		
4,900.0	3,839.1	4,900.0	4,136.8	50.1	43.2	-176.81	2,375.5	-52.8	515.6	497.4	18.16	28.391		
5,000.0	3,910.6	4,977.1	4,200.6	51.4	43.9	-176.88	2,418.9	-53.4	533.3	514.8	18.47	28.873		
5,100.0	3,982.1	5,053.2	4,265.2	52.6	44.6	-176.96	2,459.0	-53.9	554.8	536.1	18.77	29.566		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF01B-25 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	4,053.6	5,127.7	4,330.0	53.8	45.2	-177.06	2,495.8	-54.3	580.3	561.2	19.05	30.452		
5,300.0	4,125.2	5,200.0	4,394.2	55.1	45.8	-177.16	2,529.1	-54.8	609.4	590.1	19.33	31.518		
5,400.0	4,198.1	5,272.4	4,459.7	56.2	46.3	-177.29	2,559.9	-55.1	640.2	620.5	19.68	32.523		
5,500.0	4,274.5	5,343.6	4,525.2	57.3	46.8	-177.42	2,587.9	-55.5	669.5	649.5	20.01	33.452		
5,600.0	4,354.2	5,414.3	4,591.2	58.4	47.2	-177.53	2,613.1	-55.8	697.4	677.1	20.32	34.326		
5,700.0	4,436.9	5,484.6	4,657.8	59.3	47.6	-177.62	2,635.8	-56.1	723.9	703.3	20.59	35.155		
5,800.0	4,522.4	5,554.5	4,724.7	60.2	47.9	-177.71	2,656.0	-56.4	748.8	728.0	20.83	35.944		
5,900.0	4,610.6	5,624.1	4,792.0	61.0	48.2	-177.78	2,673.5	-56.6	772.2	751.2	21.04	36.698		
6,000.0	4,701.1	5,700.0	4,866.1	61.7	48.5	-177.85	2,689.9	-56.8	794.1	772.8	21.23	37.406		
6,100.0	4,793.7	5,762.2	4,927.3	62.4	48.7	-177.91	2,701.1	-56.9	814.3	792.9	21.36	38.121		
6,200.0	4,888.1	5,830.9	4,995.2	62.9	48.8	-177.96	2,711.2	-57.1	832.9	811.5	21.47	38.794		
6,300.0	4,984.1	5,900.0	5,063.9	63.4	49.0	-178.01	2,718.8	-57.2	850.0	828.4	21.55	39.443		
6,400.0	5,081.5	5,967.5	5,131.2	63.8	49.0	-178.04	2,723.9	-57.2	865.3	843.8	21.59	40.075		
6,500.0	5,179.9	6,035.5	5,199.1	64.1	49.1	-178.08	2,726.6	-57.3	879.1	857.5	21.61	40.683		
6,600.0	5,279.1	6,115.4	5,279.1	64.3	49.1	-178.11	2,727.1	-57.3	890.9	869.3	21.62	41.217		
6,700.0	5,378.8	6,215.2	5,378.8	64.4	49.2	-178.13	2,727.1	-57.3	898.2	876.5	21.63	41.520		
6,800.0	5,478.8	6,314.4	5,478.0	64.4	49.2	-58.30	2,727.0	-57.3	900.3	878.6	21.67	41.550		
6,900.0	5,578.8	6,412.4	5,576.1	64.4	49.2	-58.29	2,726.9	-57.6	900.3	878.3	22.02	40.889		
7,000.0	5,678.8	6,512.4	5,676.1	64.5	49.3	-58.29	2,726.6	-58.1	900.3	878.0	22.39	40.220		
7,100.0	5,778.8	6,612.4	5,776.1	64.5	49.3	-58.29	2,726.3	-58.6	900.3	877.6	22.75	39.568		
7,200.0	5,878.8	6,712.4	5,876.1	64.5	49.3	-58.29	2,726.0	-59.1	900.3	877.2	23.12	38.938		
7,300.0	5,978.8	6,812.4	5,976.1	64.5	49.4	-58.29	2,725.7	-59.6	900.3	876.8	23.49	38.328		
7,400.0	6,078.8	6,912.4	6,076.1	64.6	49.4	-58.29	2,725.4	-60.1	900.3	876.5	23.86	37.738		
7,500.0	6,178.8	7,012.4	6,176.1	64.6	49.4	-58.29	2,725.1	-60.6	900.3	876.1	24.22	37.167		
7,600.0	6,278.8	7,112.4	6,276.1	64.6	49.5	-58.29	2,724.8	-61.1	900.3	875.7	24.59	36.614		
7,700.0	6,378.8	7,212.4	6,376.1	64.7	49.5	-58.29	2,724.5	-61.6	900.3	875.4	24.96	36.077		
7,800.0	6,478.8	7,312.4	6,476.1	64.7	49.6	-58.29	2,724.2	-62.1	900.3	875.0	25.32	35.557		
7,900.0	6,578.8	7,412.4	6,576.1	64.7	49.6	-58.29	2,724.0	-62.6	900.3	874.6	25.69	35.052		
8,000.0	6,678.8	7,512.4	6,676.1	64.8	49.6	-58.29	2,723.7	-63.1	900.3	874.3	26.05	34.561		
8,100.0	6,778.8	7,612.4	6,776.1	64.8	49.7	-58.29	2,723.4	-63.6	900.3	873.9	26.41	34.085		
8,200.0	6,878.8	7,712.4	6,876.1	64.8	49.7	-58.29	2,723.1	-64.0	900.3	873.6	26.78	33.622		
8,300.0	6,978.8	7,812.4	6,976.1	64.9	49.8	-58.29	2,722.8	-64.5	900.3	873.2	27.14	33.172		
8,400.0	7,078.8	7,912.4	7,076.1	64.9	49.8	-58.29	2,722.5	-65.0	900.3	872.8	27.50	32.735		
8,500.0	7,178.8	8,012.4	7,176.1	64.9	49.9	-58.29	2,722.2	-65.5	900.3	872.5	27.87	32.309		
8,600.0	7,278.8	8,112.4	7,276.0	65.0	49.9	-58.29	2,721.9	-66.0	900.3	872.1	28.23	31.894		
8,700.0	7,378.8	8,212.4	7,376.0	65.0	49.9	-58.29	2,721.6	-66.5	900.3	871.7	28.59	31.490		
8,800.0	7,478.8	8,312.4	7,476.0	65.0	50.0	-58.29	2,721.3	-67.0	900.3	871.4	28.95	31.097		
8,900.0	7,578.8	8,412.4	7,576.0	65.1	50.0	-58.29	2,721.1	-67.5	900.3	871.0	29.31	30.714		
9,000.0	7,678.8	8,512.4	7,676.0	65.1	50.1	-58.29	2,720.8	-68.0	900.3	870.7	29.67	30.340		
9,100.0	7,778.8	8,612.4	7,776.0	65.1	50.1	-58.29	2,720.5	-68.5	900.3	870.3	30.04	29.976		
9,200.0	7,878.8	8,712.4	7,876.0	65.2	50.2	-58.29	2,720.2	-69.0	900.3	869.9	30.40	29.620		
9,300.0	7,978.8	8,812.4	7,976.0	65.2	50.2	-58.29	2,719.9	-69.5	900.3	869.6	30.76	29.273		
9,400.0	8,078.7	8,912.4	8,076.0	65.3	50.3	-58.29	2,719.6	-70.0	900.3	869.2	31.12	28.934		
9,500.0	8,178.7	9,012.4	8,176.0	65.3	50.3	-58.29	2,719.3	-70.5	900.3	868.8	31.48	28.604		
9,600.0	8,278.7	9,112.4	8,276.0	65.3	50.4	-58.29	2,719.0	-71.0	900.3	868.5	31.84	28.281		
9,700.0	8,378.7	9,212.4	8,376.0	65.4	50.4	-58.29	2,718.7	-71.5	900.3	868.1	32.19	27.965		
9,800.0	8,478.7	9,312.4	8,476.0	65.4	50.5	-58.29	2,718.4	-72.0	900.3	867.8	32.55	27.657		
9,900.0	8,578.7	9,412.4	8,576.0	65.5	50.5	-58.29	2,718.2	-72.5	900.3	867.4	32.91	27.355		
10,000.0	8,678.7	9,512.4	8,676.0	65.5	50.6	-58.29	2,717.9	-73.0	900.3	867.0	33.27	27.060		
10,100.0	8,778.7	9,612.4	8,776.0	65.5	50.6	-58.29	2,717.6	-73.5	900.3	866.7	33.63	26.772		
10,200.0	8,878.7	9,712.4	8,876.0	65.6	50.7	-58.29	2,717.3	-74.0	900.3	866.3	33.99	26.489		
10,300.0	8,978.7	9,812.4	8,976.0	65.6	50.7	-58.29	2,717.0	-74.5	900.3	866.0	34.35	26.213		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF01B-25 I25 596 - OH - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
10,400.0	9,078.7	9,912.4	9,076.0	65.7	50.8	-58.29	2,716.7	-75.0	900.3	865.6	34.70	25.943	
10,500.0	9,178.7	10,012.4	9,176.0	65.7	50.8	-58.29	2,716.4	-75.5	900.3	865.3	35.06	25.678	
10,600.0	9,278.7	10,112.4	9,276.0	65.8	50.9	-58.29	2,716.1	-75.9	900.3	864.9	35.42	25.419	
10,700.0	9,378.7	10,212.4	9,376.0	65.8	51.0	-58.29	2,715.8	-76.4	900.3	864.5	35.78	25.165	
10,800.0	9,478.7	10,312.4	9,476.0	65.9	51.0	-58.29	2,715.5	-76.9	900.3	864.2	36.13	24.916	
10,900.0	9,578.7	10,412.4	9,576.0	65.9	51.1	-58.29	2,715.3	-77.4	900.3	863.8	36.49	24.672	
11,000.0	9,678.7	10,512.4	9,676.0	65.9	51.1	-58.29	2,715.0	-77.9	900.3	863.5	36.85	24.433	
11,100.0	9,778.7	10,612.4	9,776.0	66.0	51.2	-58.29	2,714.7	-78.4	900.3	863.1	37.21	24.199	
11,200.0	9,878.7	10,712.4	9,876.0	66.0	51.2	-58.29	2,714.4	-78.9	900.3	862.7	37.56	23.969	
11,300.0	9,978.7	10,812.4	9,976.0	66.1	51.3	-58.29	2,714.1	-79.4	900.3	862.4	37.92	23.743	
11,400.0	10,078.7	10,912.4	10,076.0	66.1	51.4	-58.29	2,713.8	-79.9	900.3	862.0	38.27	23.522	
11,500.0	10,178.7	11,012.4	10,176.0	66.2	51.4	-58.29	2,713.5	-80.4	900.3	861.7	38.63	23.305	
11,553.4	10,232.1	11,065.8	10,229.4	66.2	51.5	-58.29	2,713.4	-80.7	900.3	861.5	38.82	23.191	
11,589.3	10,268.0	11,077.4	10,241.0	66.2	51.5	-58.29	2,713.3	-80.7	900.6	861.7	38.91	23.149	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF01C-25 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	-131.46	-26.5	-30.0	40.0					
100.0	100.0	100.0	100.0	0.1	0.1	-131.46	-26.5	-30.0	40.0	39.7	146.835			
200.0	200.0	200.0	200.0	0.3	0.3	-131.46	-26.5	-30.0	40.0	39.4	0.62	64.343 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-133.55	-26.5	-30.0	41.7	40.8	0.97	42.833		
400.0	399.6	399.6	399.6	0.7	0.7	-140.31	-26.5	-30.0	47.5	46.1	1.34	35.456		
500.0	498.8	501.3	501.3	1.0	0.8	-147.14	-23.8	-30.0	55.9	54.2	1.72	32.578		
600.0	597.1	603.6	603.2	1.4	1.1	-152.09	-15.6	-30.1	64.9	62.8	2.10	30.819		
700.0	694.3	706.4	705.1	1.8	1.3	-155.78	-1.9	-30.2	74.0	71.5	2.50	29.597		
800.0	790.2	809.8	806.7	2.3	1.7	-158.61	17.3	-30.4	83.3	80.4	2.91	28.666		
900.0	884.4	913.9	907.7	3.0	2.1	-160.82	42.2	-30.7	92.5	89.2	3.32	27.907		
1,000.0	976.8	1,018.4	1,007.7	3.7	2.7	-162.60	72.8	-31.0	101.7	97.9	3.73	27.252		
1,100.0	1,067.1	1,123.6	1,106.4	4.4	3.3	-164.04	109.0	-31.4	110.7	106.5	4.15	26.662		
1,200.0	1,154.9	1,229.3	1,203.5	5.3	4.1	-165.23	150.8	-31.9	119.4	114.8	4.57	26.113		
1,300.0	1,240.2	1,335.6	1,298.6	6.3	4.9	-166.23	198.1	-32.4	127.9	122.9	5.00	25.587		
1,400.0	1,322.6	1,442.5	1,391.5	7.3	5.9	-167.06	251.0	-33.0	136.1	130.7	5.43	25.072		
1,500.0	1,401.9	1,545.9	1,478.7	8.4	6.8	-167.80	306.6	-33.6	144.6	138.8	5.84	24.749 SF		
1,600.0	1,477.9	1,645.0	1,561.9	9.5	7.8	-168.73	360.4	-34.1	157.6	151.4	6.20	25.436		
1,700.0	1,550.6	1,743.3	1,644.5	10.8	8.7	-169.81	413.8	-34.7	175.5	169.0	6.50	27.014		
1,800.0	1,622.1	1,841.3	1,726.8	12.0	9.6	-170.83	467.1	-35.3	195.1	188.3	6.83	28.579		
1,900.0	1,693.6	1,939.4	1,809.1	13.2	10.6	-171.67	520.3	-35.9	214.7	207.6	7.16	30.000		
2,000.0	1,765.1	2,037.4	1,891.3	14.4	11.5	-172.36	573.5	-36.4	234.4	226.9	7.49	31.291		
2,100.0	1,836.6	2,135.4	1,973.6	15.7	12.4	-172.95	626.8	-37.0	254.0	246.2	7.82	32.469		
2,200.0	1,908.1	2,233.4	2,055.9	16.9	13.4	-173.45	680.0	-37.6	273.7	265.6	8.16	33.545		
2,300.0	1,979.7	2,331.4	2,138.2	18.1	14.3	-173.89	733.3	-38.2	293.5	285.0	8.50	34.532		
2,400.0	2,051.2	2,429.4	2,220.5	19.4	15.3	-174.27	786.5	-38.7	313.2	304.3	8.84	35.439		
2,500.0	2,122.7	2,527.4	2,302.8	20.6	16.2	-174.61	839.8	-39.3	332.9	323.7	9.18	36.274		
2,600.0	2,194.2	2,625.5	2,385.1	21.8	17.1	-174.90	893.0	-39.9	352.7	343.2	9.52	37.046		
2,700.0	2,265.7	2,723.5	2,467.4	23.0	18.1	-175.17	946.3	-40.5	372.4	362.6	9.86	37.760		
2,800.0	2,337.2	2,821.5	2,549.7	24.3	19.0	-175.41	999.5	-41.0	392.2	382.0	10.21	38.423		
2,900.0	2,408.8	2,919.5	2,631.9	25.5	20.0	-175.63	1,052.8	-41.6	412.0	401.4	10.55	39.040		
3,000.0	2,480.3	3,017.5	2,714.2	26.7	20.9	-175.82	1,106.0	-42.2	431.8	420.9	10.90	39.615		
3,100.0	2,551.8	3,115.5	2,796.5	28.0	21.8	-176.00	1,159.2	-42.8	451.5	440.3	11.25	40.152		
3,200.0	2,623.3	3,213.5	2,878.8	29.2	22.8	-176.17	1,212.5	-43.3	471.3	459.7	11.59	40.655		
3,300.0	2,694.8	3,311.6	2,961.1	30.4	23.7	-176.32	1,265.7	-43.9	491.1	479.2	11.94	41.126		
3,400.0	2,766.3	3,409.6	3,043.4	31.7	24.7	-176.46	1,319.0	-44.5	510.9	498.6	12.29	41.569		
3,500.0	2,837.9	3,507.6	3,125.7	32.9	25.6	-176.59	1,372.2	-45.1	530.7	518.1	12.64	41.986		
3,600.0	2,909.4	3,605.6	3,208.0	34.1	26.6	-176.71	1,425.5	-45.6	550.5	537.5	12.99	42.378		
3,700.0	2,980.9	3,703.6	3,290.2	35.4	27.5	-176.82	1,478.7	-46.2	570.3	557.0	13.34	42.749		
3,800.0	3,052.4	3,801.6	3,372.5	36.6	28.4	-176.92	1,532.0	-46.8	590.1	576.4	13.69	43.099		
3,900.0	3,123.9	3,899.6	3,454.8	37.8	29.4	-177.02	1,585.2	-47.4	609.9	595.9	14.04	43.430		
4,000.0	3,195.4	3,997.7	3,537.1	39.0	30.3	-177.11	1,638.5	-47.9	629.7	615.3	14.39	43.745		
4,100.0	3,267.0	4,095.7	3,619.4	40.3	31.3	-177.20	1,691.7	-48.5	649.5	634.8	14.75	44.043		
4,200.0	3,338.5	4,193.7	3,701.7	41.5	32.2	-177.28	1,744.9	-49.1	669.3	654.2	15.10	44.326		
4,300.0	3,410.0	4,291.7	3,784.0	42.7	33.2	-177.36	1,798.2	-49.7	689.1	673.7	15.45	44.596		
4,400.0	3,481.5	4,389.7	3,866.3	44.0	34.1	-177.43	1,851.4	-50.2	708.9	693.1	15.81	44.853		
4,500.0	3,553.0	4,487.7	3,948.6	45.2	35.1	-177.49	1,904.7	-50.8	728.7	712.6	16.16	45.097		
4,600.0	3,624.5	4,585.8	4,030.8	46.4	36.0	-177.56	1,957.9	-51.4	748.6	732.0	16.51	45.331		
4,700.0	3,696.1	4,683.8	4,113.1	47.7	36.9	-177.62	2,011.2	-52.0	768.4	751.5	16.87	45.554		
4,800.0	3,767.6	4,781.8	4,195.4	48.9	37.9	-177.68	2,064.4	-52.5	788.2	771.0	17.22	45.768		
4,900.0	3,839.1	4,879.8	4,277.7	50.1	38.8	-177.73	2,117.7	-53.1	808.0	790.4	17.58	45.972		
5,000.0	3,910.6	4,977.8	4,360.0	51.4	39.8	-177.78	2,170.9	-53.7	827.8	809.9	17.93	46.168		
5,100.0	3,982.1	5,059.4	4,428.7	52.6	40.5	-177.83	2,214.9	-54.2	848.1	829.9	18.26	46.456		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF01C-25 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	4,053.6	5,126.5	4,486.3	53.8	41.1	-177.87	2,249.3	-54.5	871.6	853.0	18.56	46.968		
5,300.0	4,125.2	5,200.0	4,550.8	55.1	41.7	-177.91	2,284.5	-54.9	898.4	879.5	18.86	47.627		
5,400.0	4,198.1	5,257.3	4,602.0	56.2	42.2	-177.98	2,310.3	-55.2	926.5	907.2	19.24	48.156		
5,500.0	4,274.5	5,321.9	4,660.6	57.3	42.6	-178.04	2,337.5	-55.5	952.8	933.2	19.61	48.594		
5,600.0	4,354.2	5,400.0	4,732.6	58.4	43.1	-178.11	2,367.7	-55.8	977.5	957.5	19.97	48.959		
5,700.0	4,436.9	5,450.5	4,779.8	59.3	43.4	-178.15	2,385.6	-56.0	1,000.1	979.9	20.25	49.398		
5,800.0	4,522.4	5,500.0	4,826.5	60.2	43.7	-178.19	2,402.0	-56.2	1,021.2	1,000.7	20.49	49.839		
5,900.0	4,610.6	5,578.2	4,901.2	61.0	44.1	-178.24	2,425.4	-56.4	1,040.1	1,019.3	20.75	50.134		
6,000.0	4,701.1	5,641.8	4,962.5	61.7	44.4	-178.27	2,442.2	-56.6	1,057.2	1,036.3	20.94	50.483		
6,100.0	4,793.7	5,700.0	5,019.1	62.4	44.6	-178.30	2,455.7	-56.8	1,072.6	1,051.5	21.10	50.843		
6,200.0	4,888.1	5,768.6	5,086.3	62.9	44.9	-178.32	2,469.4	-56.9	1,085.9	1,064.7	21.23	51.147		
6,300.0	4,984.1	5,831.8	5,148.6	63.4	45.0	-178.34	2,479.9	-57.0	1,097.4	1,076.1	21.32	51.463		
6,400.0	5,081.5	5,900.0	5,216.2	63.8	45.2	-178.36	2,489.0	-57.1	1,107.0	1,085.6	21.39	51.747		
6,500.0	5,179.9	5,958.0	5,273.9	64.1	45.3	-178.38	2,494.7	-57.2	1,114.7	1,093.3	21.41	52.059		
6,600.0	5,279.1	6,021.0	5,336.7	64.3	45.3	-178.39	2,499.0	-57.2	1,120.4	1,099.0	21.41	52.335		
6,700.0	5,378.8	6,100.0	5,415.7	64.4	45.4	-178.39	2,501.4	-57.3	1,124.4	1,103.0	21.40	52.530		
6,800.0	5,478.8	6,162.0	5,477.7	64.4	45.4	-58.55	2,501.5	-57.3	1,125.8	1,104.4	21.38	52.648		
6,900.0	5,578.8	6,259.7	5,575.4	64.4	45.5	-58.55	2,501.3	-57.6	1,125.8	1,104.1	21.73	51.801		
7,000.0	5,678.8	6,359.7	5,675.4	64.5	45.5	-58.55	2,501.0	-58.1	1,125.8	1,103.7	22.10	50.943		
7,100.0	5,778.8	6,459.7	5,775.4	64.5	45.5	-58.55	2,500.7	-58.6	1,125.8	1,103.4	22.47	50.106		
7,200.0	5,878.8	6,559.7	5,875.4	64.5	45.6	-58.55	2,500.4	-59.1	1,125.8	1,103.0	22.84	49.298		
7,300.0	5,978.8	6,659.7	5,975.4	64.5	45.6	-58.55	2,500.2	-59.6	1,125.8	1,102.6	23.20	48.517		
7,400.0	6,078.8	6,759.7	6,075.4	64.6	45.6	-58.55	2,499.9	-60.1	1,125.8	1,102.3	23.57	47.762		
7,500.0	6,178.8	6,859.7	6,175.4	64.6	45.7	-58.55	2,499.6	-60.6	1,125.8	1,101.9	23.94	47.030		
7,600.0	6,278.8	6,959.7	6,275.4	64.6	45.7	-58.55	2,499.3	-61.1	1,125.8	1,101.5	24.30	46.322		
7,700.0	6,378.8	7,059.7	6,375.4	64.7	45.8	-58.55	2,499.0	-61.6	1,125.8	1,101.2	24.67	45.635		
7,800.0	6,478.8	7,159.7	6,475.4	64.7	45.8	-58.55	2,498.7	-62.1	1,125.8	1,100.8	25.04	44.970		
7,900.0	6,578.8	7,259.7	6,575.4	64.7	45.9	-58.55	2,498.4	-62.6	1,125.8	1,100.4	25.40	44.324		
8,000.0	6,678.8	7,359.7	6,675.4	64.8	45.9	-58.55	2,498.1	-63.1	1,125.8	1,100.1	25.76	43.697		
8,100.0	6,778.8	7,459.7	6,775.4	64.8	45.9	-58.55	2,497.8	-63.6	1,125.8	1,099.7	26.13	43.088		
8,200.0	6,878.8	7,559.7	6,875.4	64.8	46.0	-58.55	2,497.5	-64.1	1,125.8	1,099.3	26.49	42.497		
8,300.0	6,978.8	7,659.7	6,975.4	64.9	46.0	-58.55	2,497.3	-64.6	1,125.8	1,099.0	26.85	41.923		
8,400.0	7,078.8	7,759.7	7,075.4	64.9	46.1	-58.55	2,497.0	-65.1	1,125.8	1,098.6	27.22	41.364		
8,500.0	7,178.8	7,859.7	7,175.4	64.9	46.1	-58.55	2,496.7	-65.5	1,125.8	1,098.2	27.58	40.820		
8,600.0	7,278.8	7,959.7	7,275.4	65.0	46.2	-58.55	2,496.4	-66.0	1,125.8	1,097.9	27.94	40.291		
8,700.0	7,378.8	8,059.7	7,375.4	65.0	46.2	-58.55	2,496.1	-66.5	1,125.8	1,097.5	28.30	39.776		
8,800.0	7,478.8	8,159.7	7,475.4	65.0	46.3	-58.55	2,495.8	-67.0	1,125.8	1,097.2	28.67	39.274		
8,900.0	7,578.8	8,259.7	7,575.4	65.1	46.3	-58.55	2,495.5	-67.5	1,125.8	1,096.8	29.03	38.786		
9,000.0	7,678.8	8,359.7	7,675.4	65.1	46.4	-58.55	2,495.2	-68.0	1,125.8	1,096.4	29.39	38.309		
9,100.0	7,778.8	8,459.7	7,775.4	65.1	46.4	-58.55	2,494.9	-68.5	1,125.8	1,096.1	29.75	37.845		
9,200.0	7,878.8	8,559.7	7,875.4	65.2	46.5	-58.55	2,494.6	-69.0	1,125.8	1,095.7	30.11	37.392		
9,300.0	7,978.8	8,659.7	7,975.4	65.2	46.5	-58.55	2,494.4	-69.5	1,125.8	1,095.4	30.47	36.950		
9,400.0	8,078.8	8,759.7	8,075.4	65.3	46.6	-58.55	2,494.1	-70.0	1,125.8	1,095.0	30.83	36.518		
9,500.0	8,178.8	8,859.7	8,175.4	65.3	46.6	-58.55	2,493.8	-70.5	1,125.8	1,094.6	31.19	36.097		
9,600.0	8,278.8	8,959.7	8,275.4	65.3	46.7	-58.55	2,493.5	-71.0	1,125.8	1,094.3	31.55	35.686		
9,700.0	8,378.8	9,059.7	8,375.4	65.4	46.7	-58.55	2,493.2	-71.5	1,125.8	1,093.9	31.91	35.284		
9,800.0	8,478.8	9,159.7	8,475.4	65.4	46.8	-58.55	2,492.9	-72.0	1,125.8	1,093.6	32.27	34.892		
9,900.0	8,578.8	9,259.7	8,575.4	65.5	46.8	-58.55	2,492.6	-72.5	1,125.8	1,093.2	32.62	34.508		
10,000.0	8,678.8	9,359.7	8,675.4	65.5	46.9	-58.55	2,492.3	-73.0	1,125.8	1,092.8	32.98	34.133		
10,100.0	8,778.8	9,459.7	8,775.4	65.5	47.0	-58.55	2,492.0	-73.5	1,125.8	1,092.5	33.34	33.766		
10,200.0	8,878.8	9,559.7	8,875.4	65.6	47.0	-58.55	2,491.7	-74.0	1,125.8	1,092.1	33.70	33.407		
10,300.0	8,978.8	9,659.7	8,975.4	65.6	47.1	-58.55	2,491.5	-74.5	1,125.8	1,091.8	34.06	33.056		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF01C-25 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,400.0	9,078.7	9,759.7	9,075.4	65.7	47.1	-58.55	2,491.2	-75.0	1,125.8	1,091.4	34.42	32.712		
10,500.0	9,178.7	9,859.7	9,175.4	65.7	47.2	-58.55	2,490.9	-75.4	1,125.8	1,091.0	34.77	32.375		
10,600.0	9,278.7	9,959.7	9,275.4	65.8	47.2	-58.55	2,490.6	-75.9	1,125.8	1,090.7	35.13	32.046		
10,700.0	9,378.7	10,059.7	9,375.4	65.8	47.3	-58.55	2,490.3	-76.4	1,125.8	1,090.3	35.49	31.723		
10,800.0	9,478.7	10,159.7	9,475.4	65.9	47.4	-58.55	2,490.0	-76.9	1,125.8	1,090.0	35.85	31.407		
10,900.0	9,578.7	10,259.7	9,575.4	65.9	47.4	-58.55	2,489.7	-77.4	1,125.8	1,089.6	36.20	31.097		
11,000.0	9,678.7	10,359.7	9,675.4	65.9	47.5	-58.55	2,489.4	-77.9	1,125.8	1,089.2	36.56	30.794		
11,100.0	9,778.7	10,459.7	9,775.4	66.0	47.6	-58.55	2,489.1	-78.4	1,125.8	1,088.9	36.92	30.496		
11,200.0	9,878.7	10,559.7	9,875.4	66.0	47.6	-58.55	2,488.8	-78.9	1,125.8	1,088.5	37.27	30.204		
11,300.0	9,978.7	10,659.7	9,975.4	66.1	47.7	-58.55	2,488.5	-79.4	1,125.8	1,088.2	37.63	29.918		
11,400.0	10,078.7	10,759.7	10,075.3	66.1	47.7	-58.55	2,488.3	-79.9	1,125.8	1,087.8	37.99	29.637		
11,500.0	10,178.7	10,859.7	10,175.3	66.2	47.8	-58.55	2,488.0	-80.4	1,125.8	1,087.5	38.34	29.362		
11,549.8	10,228.5	10,909.5	10,225.1	66.2	47.8	-58.55	2,487.8	-80.6	1,125.8	1,087.3	38.52	29.227		
11,589.3	10,268.0	10,919.4	10,235.0	66.2	47.8	-58.55	2,487.8	-80.7	1,126.2	1,087.6	38.61	29.170		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF03D-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-149.87	-27.3	-15.9	31.6					
100.0	100.0	100.0	100.0	0.1	0.1	-149.87	-27.3	-15.9	31.6	31.3	0.27	116.115		
200.0	200.0	200.0	200.0	0.3	0.3	-149.87	-27.3	-15.9	31.6	31.0	0.62	50.882 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-151.51	-27.3	-15.9	33.9	32.9	0.97	34.879		
400.0	399.6	401.3	401.2	0.7	0.7	-159.17	-26.0	-13.5	38.9	37.6	1.33	29.277		
500.0	498.8	502.1	501.8	1.0	0.9	-171.43	-22.0	-6.6	46.1	44.4	1.70	27.160		
600.0	597.1	602.2	600.9	1.4	1.2	175.33	-15.4	4.8	57.5	55.4	2.12	27.103 SF		
700.0	694.3	701.0	698.0	1.8	1.5	163.81	-6.4	20.4	74.6	71.9	2.69	27.759		
800.0	790.2	798.1	792.5	2.3	1.9	154.81	5.0	40.1	97.6	94.2	3.43	28.427		
900.0	884.4	895.4	885.8	3.0	2.4	147.95	19.3	63.4	125.5	121.2	4.36	28.782		
1,000.0	976.8	991.5	976.6	3.7	3.0	142.69	37.0	89.4	157.2	151.8	5.45	28.842		
1,100.0	1,067.1	1,086.4	1,064.6	4.4	3.7	138.47	57.9	118.0	192.4	185.7	6.69	28.760		
1,200.0	1,154.9	1,179.8	1,149.5	5.3	4.4	134.96	81.7	148.9	230.9	222.8	8.07	28.619		
1,300.0	1,240.2	1,271.8	1,231.2	6.3	5.3	131.93	108.2	181.9	272.5	262.9	9.58	28.456		
1,400.0	1,322.6	1,361.6	1,309.3	7.3	6.1	129.44	136.4	215.9	317.1	305.9	11.14	28.470		
1,500.0	1,401.9	1,449.5	1,385.7	8.4	6.9	127.84	164.2	249.4	364.7	352.0	12.70	28.707		
1,600.0	1,477.9	1,535.8	1,460.8	9.5	7.7	126.84	191.5	282.2	415.1	400.8	14.27	29.083		
1,700.0	1,550.6	1,620.4	1,534.2	10.8	8.5	126.57	218.2	314.4	468.1	452.3	15.83	29.570		
1,800.0	1,622.1	1,704.3	1,607.2	12.0	9.2	127.44	244.7	346.4	522.1	504.7	17.38	30.041		
1,900.0	1,693.6	1,788.3	1,680.2	13.2	10.0	128.15	271.2	378.4	576.1	557.2	18.93	30.440		
2,000.0	1,765.1	1,872.2	1,753.1	14.4	10.8	128.74	297.7	410.3	630.2	609.7	20.47	30.782		
2,100.0	1,836.6	1,956.2	1,826.1	15.7	11.6	129.24	324.2	442.3	684.3	662.3	22.02	31.079		
2,200.0	1,908.1	2,040.1	1,899.1	16.9	12.4	129.67	350.7	474.3	738.4	714.9	23.56	31.339		
2,300.0	1,979.7	2,124.1	1,972.0	18.1	13.2	130.03	377.3	506.2	792.6	767.5	25.11	31.568		
2,400.0	2,051.2	2,208.1	2,045.0	19.4	13.9	130.35	403.8	538.2	846.8	820.2	26.65	31.772		
2,500.0	2,122.7	2,292.0	2,117.9	20.6	14.7	130.63	430.3	570.2	901.0	872.8	28.20	31.954		
2,600.0	2,194.2	2,376.0	2,190.9	21.8	15.5	130.88	456.8	602.1	955.3	925.5	29.74	32.118		
2,700.0	2,265.7	2,459.9	2,263.9	23.0	16.3	131.11	483.3	634.1	1,009.5	978.2	31.29	32.266		
2,800.0	2,337.2	2,543.9	2,336.8	24.3	17.1	131.31	509.8	666.1	1,063.7	1,030.9	32.83	32.400		
2,900.0	2,408.8	2,627.8	2,409.8	25.5	17.9	131.49	536.3	698.0	1,118.0	1,083.6	34.38	32.523		
3,000.0	2,480.3	2,711.8	2,482.7	26.7	18.7	131.65	562.9	730.0	1,172.2	1,136.3	35.92	32.635		
3,100.0	2,551.8	2,795.7	2,555.7	28.0	19.4	131.80	589.4	761.9	1,226.5	1,189.1	37.46	32.739		
3,200.0	2,623.3	2,879.7	2,628.7	29.2	20.2	131.94	615.9	793.9	1,280.8	1,241.8	39.01	32.834		
3,300.0	2,694.8	2,963.6	2,701.6	30.4	21.0	132.06	642.4	825.9	1,335.1	1,294.5	40.55	32.922		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF04B-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	93.57	-0.9	14.1	14.1					
100.0	100.0	100.0	100.0	0.1	0.1	93.57	-0.9	14.1	14.1	13.9	0.27	51.963		
200.0	200.0	200.0	200.0	0.3	0.3	93.57	-0.9	14.1	14.1	13.5	0.62	22.770 CC		
200.1	200.1	200.1	200.1	0.3	0.3	93.57	-0.9	14.1	14.1	13.5	0.62	22.760 ES		
300.0	300.0	300.0	300.0	0.5	0.5	104.46	-0.9	14.1	14.6	13.6	0.98	14.897		
400.0	399.6	399.8	399.8	0.7	0.7	127.15	-0.3	14.3	17.9	16.6	1.35	13.259 SF		
500.0	498.8	500.0	499.9	1.0	0.8	140.20	4.8	15.6	24.5	22.8	1.74	14.072		
600.0	597.1	600.6	599.9	1.4	1.1	145.60	15.0	18.3	32.7	30.6	2.17	15.072		
700.0	694.3	701.5	699.5	1.8	1.4	147.26	30.3	22.3	42.0	39.3	2.67	15.713		
800.0	790.2	802.6	798.4	2.3	1.8	147.05	50.8	27.6	52.1	48.8	3.27	15.896		
900.0	884.4	904.1	896.3	3.0	2.2	145.85	76.3	34.3	63.0	58.9	4.02	15.674		
1,000.0	976.8	1,005.7	992.9	3.7	2.8	144.14	107.0	42.3	74.7	69.8	4.92	15.169		
1,100.0	1,067.1	1,107.6	1,087.9	4.4	3.5	142.15	142.6	51.7	87.3	81.3	6.02	14.511		
1,200.0	1,154.9	1,209.7	1,181.0	5.3	4.2	140.03	183.2	62.3	100.9	93.6	7.30	13.813		
1,300.0	1,240.2	1,308.5	1,269.9	6.3	5.0	138.91	224.9	73.2	116.8	108.2	8.60	13.577		
1,400.0	1,322.6	1,406.5	1,358.0	7.3	5.7	139.38	266.3	84.0	136.6	126.8	9.78	13.965		
1,500.0	1,401.9	1,503.5	1,445.3	8.4	6.5	140.80	307.3	94.8	160.4	149.5	10.83	14.809		
1,600.0	1,477.9	1,599.3	1,531.4	9.5	7.2	142.66	347.7	105.4	188.3	176.5	11.75	16.025		
1,700.0	1,550.6	1,693.6	1,616.3	10.8	8.0	144.78	387.5	115.8	220.4	207.9	12.54	17.574		
1,800.0	1,622.1	1,787.3	1,700.6	12.0	8.7	146.91	427.1	126.1	254.1	240.8	13.27	19.149		
1,900.0	1,693.6	1,881.1	1,785.0	13.2	9.4	148.55	466.8	136.5	288.0	274.0	14.02	20.548		
2,000.0	1,765.1	1,974.9	1,869.4	14.4	10.2	149.85	506.4	146.9	322.1	307.4	14.78	21.794		
2,100.0	1,836.6	2,068.7	1,953.7	15.7	10.9	150.89	546.0	157.2	356.4	340.8	15.56	22.907		
2,200.0	1,908.1	2,162.5	2,038.1	16.9	11.6	151.76	585.6	167.6	390.7	374.3	16.34	23.907		
2,300.0	1,979.7	2,256.2	2,122.5	18.1	12.4	152.48	625.2	178.0	425.0	407.9	17.13	24.808		
2,400.0	2,051.2	2,350.0	2,206.9	19.4	13.1	153.10	664.8	188.3	459.5	441.5	17.93	25.624		
2,500.0	2,122.7	2,443.8	2,291.2	20.6	13.8	153.63	704.4	198.7	493.9	475.2	18.73	26.366		
2,600.0	2,194.2	2,537.6	2,375.6	21.8	14.6	154.09	744.0	209.1	528.4	508.9	19.54	27.043		
2,700.0	2,265.7	2,631.4	2,460.0	23.0	15.3	154.49	783.7	219.4	562.9	542.6	20.35	27.664		
2,800.0	2,337.2	2,725.2	2,544.3	24.3	16.0	154.85	823.3	229.8	597.5	576.3	21.16	28.235		
2,900.0	2,408.8	2,818.9	2,628.7	25.5	16.8	155.17	862.9	240.2	632.1	610.1	21.98	28.761		
3,000.0	2,480.3	2,912.7	2,713.1	26.7	17.5	155.46	902.5	250.5	666.6	643.8	22.79	29.247		
3,100.0	2,551.8	3,006.5	2,797.4	28.0	18.2	155.71	942.1	260.9	701.2	677.6	23.61	29.699		
3,200.0	2,623.3	3,100.3	2,881.8	29.2	19.0	155.95	981.7	271.3	735.8	711.4	24.43	30.119		
3,300.0	2,694.8	3,194.1	2,966.2	30.4	19.7	156.16	1,021.3	281.6	770.4	745.2	25.25	30.510		
3,400.0	2,766.3	3,287.8	3,050.6	31.7	20.4	156.36	1,060.9	292.0	805.1	779.0	26.07	30.876		
3,500.0	2,837.9	3,381.6	3,134.9	32.9	21.2	156.53	1,100.6	302.4	839.7	812.8	26.90	31.218		
3,600.0	2,909.4	3,475.4	3,219.3	34.1	21.9	156.70	1,140.2	312.7	874.3	846.6	27.72	31.540		
3,700.0	2,980.9	3,569.2	3,303.7	35.4	22.6	156.85	1,179.8	323.1	909.0	880.4	28.55	31.842		
3,800.0	3,052.4	3,663.0	3,388.0	36.6	23.4	156.99	1,219.4	333.5	943.6	914.2	29.37	32.126		
3,900.0	3,123.9	3,756.7	3,472.4	37.8	24.1	157.12	1,259.0	343.9	978.3	948.1	30.20	32.395		
4,000.0	3,195.4	3,850.5	3,556.8	39.0	24.9	157.24	1,298.6	354.2	1,012.9	981.9	31.03	32.649		
4,100.0	3,267.0	3,944.3	3,641.2	40.3	25.6	157.36	1,338.2	364.6	1,047.6	1,015.7	31.85	32.889		
4,200.0	3,338.5	4,038.1	3,725.5	41.5	26.3	157.46	1,377.8	375.0	1,082.3	1,049.6	32.68	33.117		
4,300.0	3,410.0	4,131.9	3,809.9	42.7	27.1	157.56	1,417.5	385.3	1,116.9	1,083.4	33.51	33.333		
4,400.0	3,481.5	4,225.7	3,894.3	44.0	27.8	157.66	1,457.1	395.7	1,151.6	1,117.3	34.34	33.538		
4,500.0	3,553.0	4,319.4	3,978.6	45.2	28.5	157.74	1,496.7	406.1	1,186.3	1,151.1	35.17	33.733		
4,600.0	3,624.5	4,413.2	4,063.0	46.4	29.3	157.83	1,536.3	416.4	1,220.9	1,184.9	36.00	33.919		
4,700.0	3,696.1	4,507.0	4,147.4	47.7	30.0	157.91	1,575.9	426.8	1,255.6	1,218.8	36.82	34.097		
4,800.0	3,767.6	4,600.8	4,231.7	48.9	30.7	157.98	1,615.5	437.2	1,290.3	1,252.6	37.65	34.267		
4,900.0	3,839.1	4,694.6	4,316.1	50.1	31.5	158.05	1,655.1	447.5	1,325.0	1,286.5	38.48	34.429		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF04C-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	75.14	5.7	21.6	22.4					
100.0	100.0	100.0	100.0	0.1	0.1	75.14	5.7	21.6	22.4	0.27	82.145			
200.0	200.0	200.0	200.0	0.3	0.3	75.14	5.7	21.6	22.4	0.62	35.996			
300.0	300.0	300.0	300.0	0.5	0.5	82.40	5.7	21.6	21.9	0.98	22.344			
323.2	323.1	323.0	323.0	0.5	0.5	85.59	5.9	21.7	21.8	1.07	20.334 CC, ES			
400.0	399.6	399.4	399.4	0.7	0.7	96.26	8.2	22.5	22.7	1.38	16.468			
500.0	498.8	499.0	498.7	1.0	0.9	107.90	15.5	25.0	26.5	1.86	14.270			
600.0	597.1	598.8	597.6	1.4	1.1	115.43	27.8	29.3	32.9	2.44	13.472			
700.0	694.3	698.7	695.8	1.8	1.5	119.52	44.9	35.3	41.3	3.15	13.125			
800.0	790.2	798.7	793.0	2.3	1.9	121.37	66.8	43.0	51.5	4.00	12.878			
900.0	884.4	898.6	888.9	3.0	2.4	121.89	93.6	52.4	63.3	5.01	12.631			
1,000.0	976.8	998.6	983.1	3.7	3.0	121.64	125.0	63.4	76.7	6.20	12.376			
1,100.0	1,067.1	1,097.9	1,075.1	4.4	3.7	121.32	160.2	75.7	91.8	7.50	12.234 SF			
1,200.0	1,154.9	1,196.3	1,166.0	5.3	4.4	122.94	195.8	88.1	109.4	8.77	12.480			
1,300.0	1,240.2	1,293.8	1,256.1	6.3	5.0	125.84	231.0	100.5	130.2	9.95	13.081			
1,400.0	1,322.6	1,390.3	1,345.3	7.3	5.7	129.27	265.8	112.7	154.4	11.03	14.007			
1,500.0	1,401.9	1,485.5	1,433.3	8.4	6.3	132.78	300.2	124.7	182.7	11.99	15.242			
1,600.0	1,477.9	1,579.1	1,519.8	9.5	7.0	136.10	334.0	136.5	215.2	12.84	16.761			
1,700.0	1,550.6	1,670.9	1,604.6	10.8	7.6	139.25	367.1	148.1	252.0	13.58	18.563			
1,800.0	1,622.1	1,762.2	1,688.9	12.0	8.2	142.28	400.0	159.6	290.8	14.24	20.426			
1,900.0	1,693.6	1,853.4	1,773.2	13.2	8.9	144.61	433.0	171.2	330.1	14.91	22.135			
2,000.0	1,765.1	1,944.6	1,857.4	14.4	9.5	146.44	465.9	182.7	369.7	15.60	23.695			
2,100.0	1,836.6	2,035.8	1,941.7	15.7	10.1	147.92	498.8	194.2	409.6	16.31	25.117			
2,200.0	1,908.1	2,127.0	2,026.0	16.9	10.8	149.14	531.8	205.8	449.7	17.03	26.415			
2,300.0	1,979.7	2,218.3	2,110.3	18.1	11.4	150.16	564.7	217.3	490.0	17.75	27.601			
2,400.0	2,051.2	2,309.5	2,194.6	19.4	12.0	151.03	597.6	228.8	530.3	18.49	28.689			
2,500.0	2,122.7	2,400.7	2,278.9	20.6	12.7	151.78	630.6	240.3	570.8	19.23	29.688			
2,600.0	2,194.2	2,491.9	2,363.1	21.8	13.3	152.42	663.5	251.9	611.3	19.97	30.608			
2,700.0	2,265.7	2,583.1	2,447.4	23.0	13.9	152.99	696.4	263.4	651.9	20.72	31.457			
2,800.0	2,337.2	2,674.3	2,531.7	24.3	14.6	153.49	729.4	274.9	692.5	21.48	32.244			
2,900.0	2,408.8	2,765.6	2,616.0	25.5	15.2	153.94	762.3	286.5	733.2	22.23	32.974			
3,000.0	2,480.3	2,856.8	2,700.3	26.7	15.8	154.33	795.2	298.0	773.9	22.99	33.654			
3,100.0	2,551.8	2,948.0	2,784.6	28.0	16.5	154.69	828.2	309.5	814.6	23.76	34.287			
3,200.0	2,623.3	3,039.2	2,868.8	29.2	17.1	155.02	861.1	321.0	855.3	24.52	34.879			
3,300.0	2,694.8	3,130.4	2,953.1	30.4	17.7	155.31	894.0	332.6	896.1	25.29	35.434			
3,400.0	2,766.3	3,221.7	3,037.4	31.7	18.4	155.58	926.9	344.1	936.9	26.06	35.954			
3,500.0	2,837.9	3,312.9	3,121.7	32.9	19.0	155.83	959.9	355.6	977.7	26.83	36.443			
3,600.0	2,909.4	3,404.1	3,206.0	34.1	19.6	156.06	992.8	367.2	1,018.5	27.60	36.904			
3,700.0	2,980.9	3,495.3	3,290.2	35.4	20.3	156.27	1,025.7	378.7	1,059.3	28.37	37.338			
3,800.0	3,052.4	3,586.5	3,374.5	36.6	20.9	156.46	1,058.7	390.2	1,100.2	29.14	37.748			
3,900.0	3,123.9	3,677.8	3,458.8	37.8	21.5	156.64	1,091.6	401.7	1,141.0	29.92	38.137			
4,000.0	3,195.4	3,769.0	3,543.1	39.0	22.2	156.81	1,124.5	413.3	1,181.9	30.69	38.505			
4,100.0	3,267.0	3,860.2	3,627.4	40.3	22.8	156.96	1,157.5	424.8	1,222.7	31.47	38.854			
4,200.0	3,338.5	3,951.4	3,711.7	41.5	23.4	157.11	1,190.4	436.3	1,263.6	32.25	39.186			
4,300.0	3,410.0	4,042.6	3,795.9	42.7	24.1	157.25	1,223.3	447.8	1,304.5	33.02	39.501			
4,400.0	3,481.5	4,133.9	3,880.2	44.0	24.7	157.38	1,256.3	459.4	1,345.4	33.80	39.802			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF05C-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-158.01	-20.7	-8.4	22.4					
100.0	100.0	100.0	100.0	0.1	0.1	-158.01	-20.7	-8.4	22.4	22.1	0.27	82.108		
200.0	200.0	200.0	200.0	0.3	0.3	-158.01	-20.7	-8.4	22.4	21.7	0.62	35.980 CC		
203.1	203.1	203.2	203.2	0.3	0.3	-157.43	-20.7	-8.4	22.4	21.7	0.63	35.342		
300.0	300.0	301.0	300.9	0.5	0.5	-163.19	-19.0	-6.3	22.6	21.6	0.98	23.128 ES		
400.0	399.6	401.7	401.3	0.7	0.7	-179.14	-13.9	-0.2	24.4	23.1	1.35	18.048		
500.0	498.8	501.8	500.5	1.0	1.0	161.32	-5.4	9.9	30.7	28.9	1.83	16.801 SF		
600.0	597.1	602.0	599.3	1.4	1.3	147.84	6.4	22.1	41.9	39.5	2.42	17.331		
700.0	694.3	700.9	696.6	1.8	1.7	143.49	19.6	33.0	56.7	53.6	3.05	18.589		
800.0	790.2	799.0	793.3	2.3	2.0	143.27	32.6	43.9	75.7	72.0	3.69	20.504		
900.0	884.4	896.2	889.1	3.0	2.3	144.78	45.5	54.7	98.9	94.6	4.33	22.862		
1,000.0	976.8	992.3	983.7	3.7	2.6	146.87	58.2	65.4	126.4	121.4	4.94	25.596		
1,100.0	1,067.1	1,086.8	1,076.8	4.4	3.0	149.02	70.8	75.8	158.3	152.7	5.52	28.663		
1,200.0	1,154.9	1,179.6	1,168.2	5.3	3.3	151.02	83.1	86.1	194.7	188.6	6.08	32.022		
1,300.0	1,240.2	1,270.5	1,257.7	6.3	3.6	152.78	95.2	96.2	235.6	229.0	6.61	35.633		
1,400.0	1,322.6	1,359.1	1,345.0	7.3	3.9	154.30	106.9	106.0	281.1	274.0	7.13	39.454		
1,500.0	1,401.9	1,445.2	1,429.8	8.4	4.2	155.58	118.3	115.6	331.0	323.4	7.62	43.447		
1,600.0	1,477.9	1,528.7	1,512.0	9.5	4.5	156.64	129.4	124.8	385.3	377.2	8.10	47.571		
1,700.0	1,550.6	1,609.2	1,591.3	10.8	4.8	157.67	140.1	133.8	443.7	435.1	8.56	51.818		
1,800.0	1,622.1	1,688.9	1,669.8	12.0	5.1	159.05	150.7	142.6	503.4	494.4	9.01	55.898		
1,900.0	1,693.6	1,768.5	1,748.2	13.2	5.3	160.14	161.2	151.4	563.4	553.9	9.46	59.566		
2,000.0	1,765.1	1,848.1	1,826.6	14.4	5.6	161.02	171.8	160.3	623.4	613.5	9.91	62.877		
2,100.0	1,836.6	1,927.8	1,905.1	15.7	5.9	161.75	182.4	169.1	683.5	673.1	10.38	65.878		
2,200.0	1,908.1	2,007.4	1,983.5	16.9	6.2	162.36	192.9	177.9	743.7	732.9	10.84	68.610		
2,300.0	1,979.7	2,087.0	2,061.9	18.1	6.5	162.88	203.5	186.8	803.9	792.6	11.31	71.106		
2,400.0	2,051.2	2,166.7	2,140.4	19.4	6.7	163.33	214.1	195.6	864.2	852.4	11.77	73.396		
2,500.0	2,122.7	2,246.3	2,218.8	20.6	7.0	163.72	224.7	204.4	924.5	912.2	12.24	75.503		
2,600.0	2,194.2	2,325.9	2,297.2	21.8	7.3	164.06	235.2	213.3	984.8	972.1	12.72	77.448		
2,700.0	2,265.7	2,405.6	2,375.7	23.0	7.6	164.36	245.8	222.1	1,045.1	1,031.9	13.19	79.249		
2,800.0	2,337.2	2,485.2	2,454.1	24.3	7.9	164.63	256.4	230.9	1,105.5	1,091.8	13.66	80.921		
2,900.0	2,408.8	2,564.8	2,532.5	25.5	8.1	164.88	266.9	239.8	1,165.8	1,151.7	14.14	82.478		
3,000.0	2,480.3	2,644.5	2,611.0	26.7	8.4	165.09	277.5	248.6	1,226.2	1,211.6	14.61	83.931		
3,100.0	2,551.8	2,724.1	2,689.4	28.0	8.7	165.29	288.1	257.4	1,286.6	1,271.5	15.08	85.290		
3,200.0	2,623.3	2,803.7	2,767.8	29.2	9.0	165.47	298.6	266.3	1,347.0	1,331.4	15.56	86.564		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF05D-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-145.47	-34.0	-23.4	41.2					
100.0	100.0	100.0	100.0	0.1	0.1	-145.47	-34.0	-23.4	41.2	40.9	0.27	151.395		
200.0	200.0	200.0	200.0	0.3	0.3	-145.47	-34.0	-23.4	41.2	40.6	0.62	66.342		
246.9	246.9	247.7	247.7	0.4	0.4	-145.82	-33.7	-22.8	41.2	40.4	0.79	52.204 CC		
300.0	300.0	301.7	301.7	0.5	0.5	-149.15	-33.0	-20.8	41.3	40.3	0.98	42.172 ES		
400.0	399.6	402.9	402.5	0.7	0.7	-161.44	-30.1	-13.3	42.8	41.4	1.36	31.392		
500.0	498.8	502.9	501.7	1.0	1.0	-178.58	-25.5	-0.9	49.1	47.3	1.81	27.081		
600.0	597.1	601.4	598.4	1.4	1.4	165.29	-19.1	15.9	63.0	60.6	2.38	26.512 SF		
700.0	694.3	697.9	692.5	1.8	1.8	153.73	-11.3	36.5	84.9	81.9	3.05	27.864		
800.0	790.2	793.5	785.3	2.3	2.2	147.84	-3.4	57.3	113.1	109.4	3.77	30.012		
900.0	884.4	887.8	877.0	3.0	2.6	145.23	4.5	78.0	146.0	141.5	4.52	32.287		
1,000.0	976.8	980.7	967.4	3.7	3.0	144.27	12.2	98.3	183.0	177.7	5.29	34.561		
1,100.0	1,067.1	1,071.9	1,056.1	4.4	3.4	144.16	19.7	118.2	223.9	217.8	6.08	36.844		
1,200.0	1,154.9	1,161.2	1,142.9	5.3	3.8	144.47	27.1	137.8	268.7	261.8	6.86	39.159		
1,300.0	1,240.2	1,248.3	1,227.5	6.3	4.2	144.96	34.3	156.8	317.3	309.7	7.64	41.522		
1,400.0	1,322.6	1,333.0	1,309.9	7.3	4.6	145.49	41.4	175.3	369.9	361.4	8.42	43.934		
1,500.0	1,401.9	1,415.0	1,389.6	8.4	5.0	145.99	48.2	193.3	426.2	417.0	9.19	46.384		
1,600.0	1,477.9	1,494.2	1,466.6	9.5	5.3	146.41	54.7	210.6	486.4	476.4	9.96	48.851		
1,700.0	1,550.6	1,570.3	1,540.6	10.8	5.7	147.02	61.0	227.2	550.1	539.4	10.71	51.356		
1,800.0	1,622.1	1,645.5	1,613.7	12.0	6.0	148.44	67.3	243.7	615.1	603.7	11.43	53.800		
1,900.0	1,693.6	1,720.7	1,686.8	13.2	6.3	149.60	73.5	260.1	680.3	668.1	12.15	55.989		
2,000.0	1,765.1	1,795.8	1,759.9	14.4	6.7	150.56	79.7	276.5	745.6	732.7	12.86	57.957		
2,100.0	1,836.6	1,871.0	1,833.0	15.7	7.0	151.36	86.0	293.0	811.0	797.5	13.58	59.734		
2,200.0	1,908.1	1,946.2	1,906.1	16.9	7.4	152.05	92.2	309.4	876.5	862.2	14.29	61.346		
2,300.0	1,979.7	2,021.3	1,979.2	18.1	7.7	152.64	98.4	325.8	942.1	927.1	15.00	62.814		
2,400.0	2,051.2	2,096.5	2,052.3	19.4	8.0	153.15	104.7	342.3	1,007.7	992.0	15.71	64.156		
2,500.0	2,122.7	2,171.7	2,125.3	20.6	8.4	153.61	110.9	358.7	1,073.4	1,057.0	16.42	65.387		
2,600.0	2,194.2	2,246.9	2,198.4	21.8	8.7	154.01	117.1	375.2	1,139.1	1,121.9	17.12	66.520		
2,700.0	2,265.7	2,322.0	2,271.5	23.0	9.1	154.36	123.4	391.6	1,204.8	1,187.0	17.83	67.566		
2,800.0	2,337.2	2,397.2	2,344.6	24.3	9.4	154.68	129.6	408.0	1,270.5	1,252.0	18.54	68.535		
2,900.0	2,408.8	2,472.4	2,417.7	25.5	9.7	154.97	135.8	424.5	1,336.3	1,317.0	19.25	69.434		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF06D-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning	
0.0	0.0	0.0	0.0	0.0	0.0	-151.64	-126.3	-68.2	143.5					
100.0	100.0	100.0	100.0	0.1	0.1	-151.64	-126.3	-68.2	143.5	143.2	0.27	526.944		
200.0	200.0	200.0	200.0	0.3	0.3	-151.64	-126.3	-68.2	143.5	142.9	0.62	230.908 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-151.52	-126.3	-68.2	145.8	144.8	0.97	150.018		
400.0	399.6	404.0	404.0	0.7	0.7	-153.81	-125.9	-65.3	151.3	149.9	1.34	112.863		
500.0	498.8	507.1	506.7	1.0	0.9	-158.42	-125.0	-57.0	159.2	157.5	1.74	91.674		
600.0	597.1	608.4	607.0	1.4	1.2	-164.68	-123.5	-43.5	171.0	168.9	2.17	78.637		
700.0	694.3	707.1	704.1	1.8	1.5	-171.76	-121.5	-25.2	188.4	185.7	2.66	70.703		
800.0	790.2	802.8	797.0	2.3	2.0	-178.88	-119.0	-2.8	212.5	209.3	3.21	66.141		
900.0	884.4	894.8	885.3	3.0	2.5	174.48	-116.1	23.2	244.1	240.3	3.84	63.556		
1,000.0	976.8	982.9	968.4	3.7	3.0	168.57	-112.9	51.9	283.2	278.6	4.57	62.021		
1,100.0	1,067.1	1,066.6	1,046.2	4.4	3.6	163.43	-109.4	82.7	329.4	324.0	5.39	61.087		
1,200.0	1,154.9	1,145.9	1,118.5	5.3	4.2	158.96	-105.8	115.0	382.1	375.8	6.31	60.562		
1,300.0	1,240.2	1,220.6	1,185.3	6.3	4.9	155.01	-102.1	148.1	440.7	433.4	7.29	60.454		
1,400.0	1,322.6	1,295.7	1,251.8	7.3	5.5	151.46	-98.2	182.9	504.2	495.8	8.35	60.400 SF		
1,500.0	1,401.9	1,368.7	1,316.4	8.4	6.2	148.50	-94.5	216.8	571.6	562.1	9.43	60.617		
1,600.0	1,477.9	1,439.0	1,378.6	9.5	6.8	145.94	-90.8	249.4	642.3	631.8	10.53	61.005		
1,700.0	1,550.6	1,506.5	1,438.2	10.8	7.4	144.07	-87.4	280.7	716.1	704.4	11.65	61.474		
1,800.0	1,622.1	1,573.0	1,497.1	12.0	8.0	143.83	-83.9	311.5	790.7	777.9	12.78	61.848		
1,900.0	1,693.6	1,639.6	1,556.0	13.2	8.6	143.64	-80.5	342.4	865.3	851.4	13.92	62.144		
2,000.0	1,765.1	1,706.1	1,614.8	14.4	9.2	143.47	-77.0	373.2	939.9	924.9	15.07	62.382		
2,100.0	1,836.6	1,772.6	1,673.7	15.7	9.8	143.33	-73.6	404.0	1,014.6	998.4	16.21	62.577		
2,200.0	1,908.1	1,839.2	1,732.5	16.9	10.4	143.21	-70.1	434.9	1,089.2	1,071.9	17.36	62.740		
2,300.0	1,979.7	1,905.7	1,791.4	18.1	11.0	143.10	-66.7	465.7	1,163.9	1,145.3	18.51	62.876		
2,400.0	2,051.2	1,972.3	1,850.2	19.4	11.6	143.01	-63.3	496.6	1,238.5	1,218.8	19.66	62.993		
2,500.0	2,122.7	2,038.8	1,909.1	20.6	12.3	142.93	-59.8	527.4	1,313.1	1,292.3	20.81	63.093		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF08C-25 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-176.46	-14.1	-0.9	14.1					
100.0	100.0	100.0	100.0	0.1	0.1	-176.46	-14.1	-0.9	14.1	13.9	0.27	51.926		
200.0	200.0	200.0	200.0	0.3	0.3	-176.46	-14.1	-0.9	14.1	13.5	0.62	22.754 CC, ES		
300.0	300.0	300.6	300.6	0.5	0.5	-176.30	-12.6	-0.9	15.3	14.3	0.97	15.728		
400.0	399.6	401.4	401.2	0.7	0.7	-177.10	-6.0	-0.8	16.5	15.2	1.32	12.521		
500.0	498.8	502.3	501.3	1.0	1.0	-178.17	6.0	-0.6	17.7	16.1	1.67	10.637		
600.0	597.1	603.3	600.8	1.4	1.3	-179.45	23.2	-0.4	18.9	16.9	2.01	9.391		
700.0	694.3	704.3	699.3	1.8	1.7	179.07	45.7	-0.1	20.0	17.6	2.35	8.495		
800.0	790.2	804.8	796.1	2.3	2.2	177.55	72.6	0.2	21.7	19.0	2.70	8.057 SF		
900.0	884.4	904.6	892.1	3.0	2.7	176.84	99.9	0.5	28.1	25.0	3.04	9.231		
1,000.0	976.8	1,003.9	987.6	3.7	3.2	176.85	127.1	0.8	39.6	36.2	3.37	11.738		
1,100.0	1,067.1	1,102.5	1,082.4	4.4	3.7	177.14	154.1	1.2	56.3	52.6	3.70	15.236		
1,200.0	1,154.9	1,200.1	1,176.3	5.3	4.2	177.46	180.8	1.5	78.2	74.2	4.01	19.501		
1,300.0	1,240.2	1,296.4	1,268.9	6.3	4.6	177.74	207.1	1.8	105.1	100.8	4.31	24.387		
1,400.0	1,322.6	1,391.1	1,360.0	7.3	5.1	177.98	233.1	2.1	137.0	132.4	4.60	29.796		
1,500.0	1,401.9	1,484.1	1,449.4	8.4	5.6	178.17	258.5	2.5	173.8	169.0	4.87	35.662		
1,600.0	1,477.9	1,575.0	1,536.9	9.5	6.1	178.32	283.4	2.8	215.5	210.3	5.14	41.940		
1,700.0	1,550.6	1,663.6	1,622.1	10.8	6.5	178.45	307.7	3.0	261.7	256.3	5.41	48.402		
1,800.0	1,622.1	1,751.5	1,706.7	12.0	6.9	178.58	331.7	3.3	309.4	303.6	5.74	53.878		
1,900.0	1,693.6	1,839.5	1,791.2	13.2	7.4	178.67	355.8	3.6	357.0	350.9	6.08	58.756		
2,000.0	1,765.1	1,927.4	1,875.8	14.4	7.8	178.74	379.9	3.9	404.7	398.3	6.41	63.130		
2,100.0	1,836.6	2,015.3	1,960.4	15.7	8.3	178.79	403.9	4.2	452.3	445.6	6.74	67.076		
2,200.0	1,908.1	2,103.2	2,044.9	16.9	8.7	178.84	428.0	4.5	500.0	492.9	7.08	70.654		
2,300.0	1,979.7	2,191.1	2,129.5	18.1	9.2	178.87	452.1	4.8	547.6	540.2	7.41	73.914		
2,400.0	2,051.2	2,279.0	2,214.0	19.4	9.6	178.91	476.1	5.1	595.3	587.6	7.74	76.897		
2,500.0	2,122.7	2,366.9	2,298.6	20.6	10.1	178.93	500.2	5.4	643.0	634.9	8.07	79.638		
2,600.0	2,194.2	2,454.9	2,383.1	21.8	10.5	178.95	524.3	5.7	690.6	682.2	8.41	82.165		
2,700.0	2,265.7	2,542.8	2,467.7	23.0	11.0	178.97	548.3	6.0	738.3	729.5	8.74	84.502		
2,800.0	2,337.2	2,630.7	2,552.2	24.3	11.4	178.99	572.4	6.3	785.9	776.9	9.07	86.671		
2,900.0	2,408.8	2,718.6	2,636.8	25.5	11.9	179.01	596.5	6.6	833.6	824.2	9.40	88.688		
3,000.0	2,480.3	2,806.5	2,721.4	26.7	12.3	179.02	620.5	6.9	881.2	871.5	9.73	90.570		
3,100.0	2,551.8	2,894.4	2,805.9	28.0	12.7	179.03	644.6	7.2	928.9	918.8	10.06	92.330		
3,200.0	2,623.3	2,982.3	2,890.5	29.2	13.2	179.04	668.7	7.5	976.5	966.2	10.39	93.978		
3,300.0	2,694.8	3,070.3	2,975.0	30.4	13.6	179.05	692.7	7.7	1,024.2	1,013.5	10.72	95.527		
3,400.0	2,766.3	3,158.2	3,059.6	31.7	14.1	179.06	716.8	8.0	1,071.9	1,060.8	11.05	96.983		
3,500.0	2,837.9	3,246.1	3,144.1	32.9	14.5	179.07	740.9	8.3	1,119.5	1,108.1	11.38	98.356		
3,600.0	2,909.4	3,334.0	3,228.7	34.1	15.0	179.08	764.9	8.6	1,167.2	1,155.5	11.71	99.653		
3,700.0	2,980.9	3,421.9	3,313.3	35.4	15.4	179.09	789.0	8.9	1,214.8	1,202.8	12.04	100.879		
3,800.0	3,052.4	3,509.8	3,397.8	36.6	15.9	179.09	813.1	9.2	1,262.5	1,250.1	12.37	102.040		
3,900.0	3,123.9	3,597.7	3,482.4	37.8	16.3	179.10	837.1	9.5	1,310.1	1,297.4	12.70	103.142		
4,000.0	3,195.4	3,685.7	3,566.9	39.0	16.8	179.10	861.2	9.8	1,357.8	1,344.8	13.03	104.188		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF08D-25 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	138.54	-7.5	6.6	10.0					
100.0	100.0	100.0	100.0	0.1	0.1	138.54	-7.5	6.6	10.0	9.7	0.27	36.740		
200.0	200.0	200.0	200.0	0.3	0.3	138.54	-7.5	6.6	10.0	9.4	0.62	16.099 CC		
300.0	300.0	300.4	300.3	0.5	0.5	138.72	-4.9	6.7	10.1	9.1	0.98	10.274		
400.0	399.6	400.8	400.4	0.7	0.7	137.52	3.0	6.9	10.2	8.8	1.37	7.437		
500.0	498.8	501.2	499.9	1.0	1.0	135.62	16.2	7.2	10.5	8.6	1.84	5.688		
600.0	597.1	601.5	598.6	1.4	1.4	133.11	34.5	7.6	10.9	8.4	2.43	4.475 ES		
700.0	694.3	701.6	696.2	1.8	1.8	135.55	56.5	8.1	12.4	9.3	3.03	4.085 SF		
800.0	790.2	801.4	793.5	2.3	2.2	148.39	78.6	8.6	17.9	14.6	3.31	5.418		
900.0	884.4	900.7	890.3	3.0	2.6	159.29	100.6	9.1	28.8	25.4	3.46	8.325		
1,000.0	976.8	999.2	986.4	3.7	3.0	165.89	122.4	9.6	45.2	41.5	3.65	12.377		
1,100.0	1,067.1	1,096.8	1,081.6	4.4	3.4	169.77	144.0	10.0	66.9	63.0	3.88	17.217		
1,200.0	1,154.9	1,193.0	1,175.4	5.3	3.8	172.16	165.3	10.5	93.7	89.6	4.14	22.640		
1,300.0	1,240.2	1,287.7	1,267.8	6.3	4.2	173.72	186.3	11.0	125.7	121.3	4.40	28.535		
1,400.0	1,322.6	1,380.6	1,358.3	7.3	4.6	174.78	206.9	11.5	162.6	157.9	4.67	34.834		
1,500.0	1,401.9	1,471.4	1,446.9	8.4	5.0	175.54	227.0	11.9	204.3	199.4	4.92	41.497		
1,600.0	1,477.9	1,559.9	1,533.2	9.5	5.3	176.10	246.6	12.4	250.8	245.6	5.17	48.501		
1,700.0	1,550.6	1,646.0	1,617.1	10.8	5.7	176.54	265.6	12.8	301.7	296.3	5.42	55.618		
1,800.0	1,622.1	1,731.2	1,700.2	12.0	6.1	176.93	284.5	13.2	354.0	348.2	5.74	61.637		
1,900.0	1,693.6	1,816.4	1,783.3	13.2	6.4	177.23	303.3	13.6	406.3	400.2	6.06	67.002		
2,000.0	1,765.1	1,901.6	1,866.4	14.4	6.8	177.45	322.2	14.1	458.6	452.2	6.39	71.816		
2,100.0	1,836.6	1,986.8	1,949.5	15.7	7.1	177.63	341.1	14.5	510.9	504.2	6.71	76.162		
2,200.0	1,908.1	2,072.0	2,032.6	16.9	7.5	177.78	359.9	14.9	563.3	556.2	7.03	80.106		
2,300.0	1,979.7	2,157.2	2,115.7	18.1	7.9	177.90	378.8	15.3	615.6	608.2	7.35	83.703		
2,400.0	2,051.2	2,242.4	2,198.8	19.4	8.2	178.00	397.6	15.8	667.9	660.2	7.68	86.996		
2,500.0	2,122.7	2,327.7	2,281.9	20.6	8.6	178.09	416.5	16.2	720.3	712.3	8.00	90.024		
2,600.0	2,194.2	2,412.9	2,365.0	21.8	8.9	178.16	435.4	16.6	772.6	764.3	8.32	92.817		
2,700.0	2,265.7	2,498.1	2,448.1	23.0	9.3	178.23	454.2	17.0	824.9	816.3	8.65	95.401		
2,800.0	2,337.2	2,583.3	2,531.2	24.3	9.7	178.29	473.1	17.5	877.2	868.3	8.97	97.801		
2,900.0	2,408.8	2,668.5	2,614.3	25.5	10.0	178.34	492.0	17.9	929.6	920.3	9.29	100.034		
3,000.0	2,480.3	2,753.7	2,697.4	26.7	10.4	178.39	510.8	18.3	981.9	972.3	9.62	102.119		
3,100.0	2,551.8	2,838.9	2,780.5	28.0	10.8	178.43	529.7	18.7	1,034.3	1,024.3	9.94	104.068		
3,200.0	2,623.3	2,924.1	2,863.6	29.2	11.1	178.46	548.6	19.2	1,086.6	1,076.3	10.26	105.896		
3,300.0	2,694.8	3,009.3	2,946.6	30.4	11.5	178.50	567.4	19.6	1,138.9	1,128.3	10.58	107.613		
3,400.0	2,766.3	3,094.5	3,029.7	31.7	11.8	178.53	586.3	20.0	1,191.3	1,180.4	10.91	109.228		
3,500.0	2,837.9	3,179.8	3,112.8	32.9	12.2	178.56	605.1	20.4	1,243.6	1,232.4	11.23	110.752		
3,600.0	2,909.4	3,265.0	3,195.9	34.1	12.6	178.58	624.0	20.9	1,295.9	1,284.4	11.55	112.191		
3,700.0	2,980.9	3,350.2	3,279.0	35.4	12.9	178.61	642.9	21.3	1,348.3	1,336.4	11.87	113.553		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF11A-30 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-155.30	-133.7	-61.5	147.2					
100.0	100.0	100.0	100.0	0.1	0.1	-155.30	-133.7	-61.5	147.2	146.9	0.27	540.706		
200.0	200.0	200.0	200.0	0.3	0.3	-155.30	-133.7	-61.5	147.2	146.6	0.62	236.939	CC, ES	
300.0	300.0	303.3	303.3	0.5	0.5	-156.11	-133.7	-58.7	148.5	147.5	0.99	150.664		
400.0	399.6	405.7	405.3	0.7	0.7	-160.12	-133.6	-50.5	152.7	151.3	1.39	110.092		
500.0	498.8	506.5	505.1	1.0	1.0	-166.14	-133.3	-37.0	161.2	159.4	1.85	87.310		
600.0	597.1	604.7	601.7	1.4	1.4	-173.30	-133.0	-18.8	175.8	173.4	2.37	74.260		
700.0	694.3	699.8	694.1	1.8	1.8	179.36	-132.6	3.5	197.8	194.8	2.94	67.227		
800.0	790.2	791.1	781.8	2.3	2.3	172.52	-132.2	29.2	227.8	224.3	3.58	63.683		
900.0	884.4	878.4	864.2	3.0	2.9	166.51	-131.7	57.7	266.0	261.7	4.28	62.149		
1,000.0	976.8	961.1	941.1	3.7	3.5	161.35	-131.2	88.1	311.7	306.6	5.05	61.682	SF	
1,100.0	1,067.1	1,039.2	1,012.4	4.4	4.1	156.93	-130.7	119.9	364.2	358.3	5.89	61.886		
1,200.0	1,154.9	1,115.6	1,081.1	5.3	4.7	153.02	-130.1	153.4	422.8	416.0	6.78	62.326		
1,300.0	1,240.2	1,192.2	1,149.8	6.3	5.4	149.79	-129.5	187.3	485.8	478.0	7.73	62.876		
1,400.0	1,322.6	1,266.2	1,216.2	7.3	6.0	147.14	-129.0	220.1	552.4	543.7	8.69	63.587		
1,500.0	1,401.9	1,337.5	1,280.1	8.4	6.6	144.88	-128.4	251.7	622.4	612.7	9.67	64.370		
1,600.0	1,477.9	1,405.9	1,341.4	9.5	7.2	142.85	-127.9	281.9	695.3	684.7	10.67	65.153		
1,700.0	1,550.6	1,471.2	1,399.9	10.8	7.8	141.43	-127.4	310.9	771.0	759.3	11.70	65.875		
1,800.0	1,622.1	1,535.5	1,457.6	12.0	8.3	141.72	-126.9	339.4	847.5	834.8	12.76	66.414		
1,900.0	1,693.6	1,599.9	1,515.3	13.2	8.9	141.96	-126.5	367.8	924.1	910.2	13.82	66.870		
2,000.0	1,765.1	1,664.2	1,572.9	14.4	9.4	142.17	-126.0	396.3	1,000.6	985.7	14.88	67.259		
2,100.0	1,836.6	1,728.5	1,630.6	15.7	10.0	142.34	-125.5	424.8	1,077.1	1,061.2	15.93	67.596		
2,200.0	1,908.1	1,792.8	1,688.3	16.9	10.5	142.50	-125.0	453.3	1,153.7	1,136.7	16.99	67.891		
2,300.0	1,979.7	1,857.2	1,746.0	18.1	11.1	142.63	-124.5	481.8	1,230.2	1,212.2	18.05	68.150		
2,400.0	2,051.2	1,921.5	1,803.6	19.4	11.6	142.75	-124.0	510.3	1,306.8	1,287.7	19.11	68.381		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF11C-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-149.20	-139.5	-83.1	162.4					
100.0	100.0	100.0	100.0	0.1	0.1	-149.20	-139.5	-83.1	162.4	162.1	0.27	596.402		
200.0	200.0	200.0	200.0	0.3	0.3	-149.20	-139.5	-83.1	162.4	161.8	0.62	261.345 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-149.05	-139.5	-83.1	164.6	163.7	0.97	169.362		
400.0	399.6	400.0	400.0	0.7	0.7	-150.36	-139.5	-83.0	171.4	170.0	1.33	128.821		
500.0	498.8	500.0	499.9	1.0	0.8	-153.47	-140.9	-79.3	182.4	180.7	1.70	107.064		
600.0	597.1	597.8	597.3	1.4	1.1	-158.19	-144.0	-71.0	198.6	196.5	2.10	94.566		
700.0	694.3	692.5	691.0	1.8	1.3	-163.69	-148.6	-58.4	221.4	218.8	2.52	87.814		
800.0	790.2	783.1	780.0	2.3	1.6	-169.28	-154.5	-42.4	251.6	248.7	2.96	85.111 SF		
900.0	884.4	869.1	863.6	3.0	2.0	-174.50	-161.5	-23.5	289.9	286.5	3.40	85.303		
1,000.0	976.8	949.8	941.2	3.7	2.4	-179.15	-169.2	-2.6	336.2	332.3	3.84	87.443		
1,100.0	1,067.1	1,025.1	1,012.6	4.4	2.9	176.80	-177.4	19.7	389.9	385.7	4.30	90.755		
1,200.0	1,154.9	1,094.6	1,077.7	5.3	3.3	173.26	-185.8	42.6	450.6	445.9	4.76	94.573		
1,300.0	1,240.2	1,158.4	1,136.6	6.3	3.8	170.14	-194.3	65.5	517.5	512.2	5.27	98.165		
1,400.0	1,322.6	1,216.5	1,189.5	7.3	4.2	167.31	-202.5	88.0	589.8	584.1	5.79	101.788		
1,500.0	1,401.9	1,273.2	1,240.5	8.4	4.7	164.53	-211.1	111.3	666.9	660.6	6.38	104.476		
1,600.0	1,477.9	1,331.3	1,292.7	9.5	5.2	161.82	-220.0	135.3	747.5	740.5	7.05	106.048		
1,700.0	1,550.6	1,385.7	1,341.5	10.8	5.6	159.61	-228.2	157.8	831.0	823.3	7.77	106.995		
1,800.0	1,622.1	1,438.9	1,389.3	12.0	6.1	158.81	-236.4	179.8	915.4	906.9	8.53	107.336		
1,900.0	1,693.6	1,492.2	1,437.1	13.2	6.5	158.15	-244.5	201.8	999.9	990.6	9.30	107.524		
2,000.0	1,765.1	1,545.4	1,484.9	14.4	6.9	157.58	-252.6	223.9	1,084.3	1,074.2	10.08	107.603		
2,100.0	1,836.6	1,598.7	1,532.7	15.7	7.4	157.10	-260.7	245.9	1,168.8	1,158.0	10.86	107.625		
2,200.0	1,908.1	1,651.9	1,580.5	16.9	7.8	156.68	-268.8	267.9	1,253.3	1,241.7	11.65	107.598		
2,300.0	1,979.7	1,705.2	1,628.3	18.1	8.3	156.32	-276.9	289.9	1,337.9	1,325.4	12.44	107.551		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF11D-30 I25 596 - OH - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis				Distance				Warning	
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation		
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis		Factor
0.0	0.0	0.0	0.0	0.0	0.0	-148.18	-146.1	-90.6	171.9				
100.0	100.0	100.0	100.0	0.1	0.1	-148.18	-146.1	-90.6	171.9	171.7	0.27	631.480	
200.0	200.0	200.0	200.0	0.3	0.3	-148.18	-146.1	-90.6	171.9	171.3	0.62	276.716	CC, ES
300.0	300.0	300.0	300.0	0.5	0.5	-148.02	-146.1	-90.6	174.1	173.2	0.97	179.135	
400.0	399.6	399.6	399.6	0.7	0.7	-149.23	-146.1	-90.6	180.9	179.5	1.33	135.904	
500.0	498.8	494.4	494.3	1.0	0.8	-151.58	-148.0	-89.3	193.3	191.6	1.69	114.100	
600.0	597.1	589.1	588.8	1.4	1.0	-155.29	-153.6	-85.1	213.0	211.0	2.07	102.880	
700.0	694.3	684.6	683.6	1.8	1.2	-159.96	-160.9	-76.7	238.7	236.2	2.47	96.727	
800.0	790.2	776.3	774.1	2.3	1.5	-164.87	-169.3	-64.3	270.8	267.9	2.87	94.333	SF
900.0	884.4	863.6	859.5	3.0	1.9	-169.61	-178.4	-48.7	309.9	306.7	3.27	94.735	
1,000.0	976.8	945.8	939.1	3.7	2.2	-173.96	-188.0	-30.5	356.3	352.6	3.67	97.216	
1,100.0	1,067.1	1,022.7	1,012.7	4.4	2.6	-177.85	-197.9	-10.6	409.7	405.7	4.05	101.166	
1,200.0	1,154.9	1,093.9	1,080.0	5.3	3.0	178.71	-207.7	10.4	469.8	465.3	4.43	105.936	
1,300.0	1,240.2	1,159.4	1,141.2	6.3	3.5	175.64	-217.4	31.8	535.9	531.0	4.84	110.685	
1,400.0	1,322.6	1,219.3	1,196.3	7.3	3.9	172.85	-226.7	53.1	607.4	602.2	5.26	115.536	
1,500.0	1,401.9	1,273.5	1,245.6	8.4	4.4	170.26	-235.6	73.8	683.9	678.2	5.71	119.777	
1,600.0	1,477.9	1,322.2	1,289.4	9.5	4.8	167.77	-243.8	93.6	764.6	758.4	6.20	123.251	
1,700.0	1,550.6	1,365.8	1,328.0	10.8	5.2	165.54	-251.5	112.2	849.0	842.2	6.77	125.315	
1,800.0	1,622.1	1,400.0	1,358.0	12.0	5.5	164.52	-257.7	127.4	935.0	927.6	7.38	126.614	
1,900.0	1,693.6	1,445.4	1,397.4	13.2	5.9	163.26	-266.1	148.4	1,021.5	1,013.4	8.14	125.562	
2,000.0	1,765.1	1,482.7	1,429.4	14.4	6.3	162.29	-273.2	166.3	1,108.7	1,099.8	8.85	125.325	
2,100.0	1,836.6	1,522.5	1,463.1	15.7	6.7	161.31	-281.0	186.0	1,196.4	1,186.8	9.60	124.576	
2,200.0	1,908.1	1,568.9	1,502.3	16.9	7.2	160.29	-290.0	209.1	1,284.3	1,273.9	10.43	123.096	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF11F-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-152.50	-147.0	-76.5	165.7					
100.0	100.0	100.0	100.0	0.1	0.1	-152.50	-147.0	-76.5	165.7					
200.0	200.0	200.0	200.0	0.3	0.3	-152.50	-147.0	-76.5	165.7					
300.0	300.0	300.5	300.5	0.5	0.5	-152.53	-147.2	-75.9	167.9			0.62	266.691 CC, ES	
400.0	399.6	400.9	400.7	0.7	0.7	-155.36	-149.0	-70.9	174.4			0.97	172.563	
500.0	498.8	499.3	498.6	1.0	0.9	-160.07	-152.4	-61.2	186.2			1.35	129.483	
									184.4			1.76	105.537	
600.0	597.1	594.9	593.1	1.4	1.2	-165.83	-157.3	-47.2	204.5			2.22	91.933	
700.0	694.3	686.8	683.0	1.8	1.6	-171.81	-163.5	-29.6	230.7			2.71	85.059	
800.0	790.2	774.2	767.6	2.3	2.0	-177.45	-170.7	-9.1	265.3			3.21	82.637 SF	
900.0	884.4	856.6	846.4	3.0	2.5	177.53	-178.7	13.6	308.3			3.71	83.016	
1,000.0	976.8	933.6	919.1	3.7	3.0	173.18	-187.2	37.6	359.2			4.22	85.022	
1,100.0	1,067.1	1,005.1	985.6	4.4	3.5	169.43	-196.0	62.4	417.3			4.75	87.876	
1,200.0	1,154.9	1,070.9	1,045.8	5.3	4.0	166.13	-204.7	87.3	481.8			5.31	90.736	
1,300.0	1,240.2	1,131.0	1,100.1	6.3	4.5	163.16	-213.4	111.8	552.0			5.90	93.638	
1,400.0	1,322.6	1,185.6	1,148.7	7.3	5.0	160.38	-221.7	135.3	627.3			6.51	96.306	
1,500.0	1,401.9	1,234.9	1,191.8	8.4	5.4	157.67	-229.6	157.7	706.9			7.18	98.420	
1,600.0	1,477.9	1,278.9	1,229.9	9.5	5.9	154.89	-236.9	178.6	790.2			7.91	99.933	
1,700.0	1,550.6	1,318.1	1,263.3	10.8	6.3	152.48	-243.7	197.9	876.8			8.71	100.696	
1,800.0	1,622.1	1,354.6	1,294.0	12.0	6.7	151.94	-250.2	216.4	964.7			9.52	101.366	
1,900.0	1,693.6	1,400.0	1,331.8	13.2	7.2	151.29	-258.7	240.3	1,053.3			10.40	101.293	
2,000.0	1,765.1	1,422.6	1,350.3	14.4	7.5	150.97	-262.9	252.4	1,142.2			11.16	102.350	
2,100.0	1,836.6	1,454.3	1,376.0	15.7	7.8	150.52	-269.1	269.8	1,231.7			12.00	102.685	
2,200.0	1,908.1	1,484.6	1,400.4	16.9	8.2	150.09	-275.1	286.9	1,321.7			12.83	102.996	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12A-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-153.81	-140.4	-69.0	156.4					
100.0	100.0	100.0	100.0	0.1	0.1	-153.81	-140.4	-69.0	156.4	156.1	0.27	574.477		
200.0	200.0	200.0	200.0	0.3	0.3	-153.81	-140.4	-69.0	156.4	155.8	0.62	251.737 CC, ES		
300.0	300.0	302.1	302.0	0.5	0.5	-154.17	-140.5	-67.5	158.3	157.3	0.98	161.817		
400.0	399.6	404.0	403.8	0.7	0.7	-157.59	-141.3	-60.7	163.4	162.1	1.37	119.683		
500.0	498.8	504.3	503.3	1.0	1.0	-162.99	-142.5	-48.8	173.1	171.2	1.80	95.915		
600.0	597.1	601.9	599.4	1.4	1.3	-169.53	-144.3	-32.2	188.8	186.5	2.30	82.213		
700.0	694.3	696.1	691.3	1.8	1.7	-176.33	-146.5	-11.5	211.9	209.1	2.83	74.816		
800.0	790.2	786.4	778.3	2.3	2.2	177.26	-149.1	12.4	243.2	239.8	3.41	71.378		
900.0	884.4	872.1	859.8	3.0	2.7	171.56	-152.0	39.0	282.8	278.7	4.02	70.275 SF		
1,000.0	976.8	953.1	935.6	3.7	3.2	166.62	-155.0	67.3	330.0	325.4	4.67	70.633		
1,100.0	1,067.1	1,034.1	1,010.6	4.4	3.8	162.34	-158.3	97.7	383.9	378.6	5.38	71.381		
1,200.0	1,154.9	1,113.4	1,084.0	5.3	4.4	158.97	-161.5	127.4	442.8	436.7	6.11	72.436		
1,300.0	1,240.2	1,190.0	1,155.0	6.3	4.9	156.26	-164.5	156.2	506.0	499.1	6.87	73.656		
1,400.0	1,322.6	1,263.8	1,223.3	7.3	5.4	154.02	-167.5	183.9	573.0	565.4	7.65	74.943		
1,500.0	1,401.9	1,334.6	1,288.9	8.4	5.9	152.07	-170.4	210.5	643.5	635.1	8.44	76.228		
1,600.0	1,477.9	1,402.1	1,351.4	9.5	6.4	150.30	-173.1	235.8	717.2	708.0	9.26	77.441		
1,700.0	1,550.6	1,466.4	1,410.9	10.8	6.9	149.02	-175.7	259.9	793.9	783.8	10.11	78.504		
1,800.0	1,622.1	1,529.5	1,469.3	12.0	7.3	149.20	-178.2	283.6	871.4	860.4	10.99	79.291		
1,900.0	1,693.6	1,592.6	1,527.8	13.2	7.8	149.36	-180.8	307.3	948.9	937.1	11.87	79.957		
2,000.0	1,765.1	1,655.8	1,586.3	14.4	8.2	149.49	-183.3	331.0	1,026.5	1,013.7	12.75	80.527		
2,100.0	1,836.6	1,718.9	1,644.7	15.7	8.7	149.60	-185.9	354.7	1,104.0	1,090.4	13.63	81.021		
2,200.0	1,908.1	1,782.0	1,703.2	16.9	9.2	149.70	-188.4	378.4	1,181.6	1,167.0	14.51	81.453		
2,300.0	1,979.7	1,845.2	1,761.7	18.1	9.6	149.78	-191.0	402.1	1,259.1	1,243.7	15.39	81.834		
2,400.0	2,051.2	1,908.3	1,820.1	19.4	10.1	149.86	-193.5	425.8	1,336.6	1,320.4	16.27	82.173		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12B-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-150.35	-132.9	-75.6	152.9					
100.0	100.0	100.0	100.0	0.1	0.1	-150.35	-132.9	-75.6	152.9	152.6	0.27	561.546		
200.0	200.0	200.0	200.0	0.3	0.3	-150.35	-132.9	-75.6	152.9	152.3	0.62	246.071	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	-150.21	-132.9	-75.6	155.2	154.2	0.97	159.654		
400.0	399.6	400.5	400.5	0.7	0.7	-151.73	-133.1	-75.0	161.9	160.6	1.33	121.684		
500.0	498.8	500.7	500.5	1.0	0.9	-155.38	-134.6	-70.0	172.8	171.1	1.71	101.198		
600.0	597.1	598.6	597.9	1.4	1.1	-160.60	-137.4	-60.1	188.9	186.8	2.11	89.461		
700.0	694.3	693.4	691.6	1.8	1.4	-166.52	-141.6	-46.1	211.6	209.1	2.54	83.201		
800.0	790.2	784.3	780.5	2.3	1.7	-172.41	-146.8	-28.5	242.0	239.0	3.00	80.769	SF	
900.0	884.4	870.5	864.1	3.0	2.1	-177.83	-152.8	-8.0	280.5	277.0	3.47	80.948		
1,000.0	976.8	951.7	941.8	3.7	2.5	177.39	-159.5	14.5	326.9	322.9	3.95	82.738		
1,100.0	1,067.1	1,027.5	1,013.4	4.4	3.0	173.25	-166.6	38.4	380.7	376.3	4.45	85.644		
1,200.0	1,154.9	1,105.1	1,086.2	5.3	3.5	169.56	-174.2	64.2	440.6	435.6	4.99	88.285		
1,300.0	1,240.2	1,179.8	1,156.2	6.3	3.9	166.59	-181.5	89.0	505.3	499.7	5.56	90.909		
1,400.0	1,322.6	1,251.3	1,223.3	7.3	4.4	164.14	-188.6	112.8	574.1	567.9	6.15	93.416		
1,500.0	1,401.9	1,319.5	1,287.2	8.4	4.8	162.02	-195.3	135.5	646.7	639.9	6.75	95.740		
1,600.0	1,477.9	1,384.2	1,347.9	9.5	5.3	160.12	-201.6	157.0	722.7	715.3	7.39	97.800		
1,700.0	1,550.6	1,445.3	1,405.3	10.8	5.7	158.65	-207.6	177.4	801.7	793.7	8.06	99.448		
1,800.0	1,622.1	1,505.3	1,461.5	12.0	6.0	158.37	-213.5	197.3	881.7	872.9	8.78	100.472		
1,900.0	1,693.6	1,565.3	1,517.8	13.2	6.4	158.13	-219.4	217.2	961.7	952.2	9.49	101.287		
2,000.0	1,765.1	1,625.2	1,574.0	14.4	6.8	157.93	-225.3	237.2	1,041.7	1,031.5	10.22	101.953		
2,100.0	1,836.6	1,685.2	1,630.3	15.7	7.2	157.76	-231.2	257.1	1,121.7	1,110.8	10.94	102.503		
2,200.0	1,908.1	1,745.2	1,686.5	16.9	7.6	157.61	-237.1	277.1	1,201.7	1,190.0	11.67	102.962		
2,300.0	1,979.7	1,805.1	1,742.7	18.1	8.0	157.48	-243.0	297.0	1,281.7	1,269.3	12.40	103.353		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12C-19 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	67.01	12.4	29.1	31.6					
100.0	100.0	100.0	100.0	0.1	0.1	67.01	12.4	29.1	31.6	31.4	0.27	116.157		
200.0	200.0	200.0	200.0	0.3	0.3	67.01	12.4	29.1	31.6	31.0	0.62	50.900		
300.0	300.0	299.4	299.4	0.5	0.5	71.17	13.0	29.3	31.1	30.2	0.98	31.853		
302.4	302.4	301.9	301.8	0.5	0.5	71.30	13.0	29.4	31.1	30.1	0.99	31.539 CC, ES		
400.0	399.6	398.4	398.3	0.7	0.7	77.22	17.8	31.1	32.1	30.7	1.38	23.207		
500.0	498.8	497.4	496.7	1.0	0.9	83.79	27.4	34.6	35.1	33.2	1.89	18.542		
600.0	597.1	596.4	594.5	1.4	1.2	89.74	41.8	39.8	40.3	37.8	2.55	15.798		
700.0	694.3	695.4	691.4	1.8	1.6	94.47	60.9	46.8	47.7	44.4	3.38	14.131		
800.0	790.2	794.3	786.9	2.3	2.1	97.94	84.7	55.5	57.2	52.8	4.37	13.090		
900.0	884.4	893.0	880.9	3.0	2.6	100.34	113.1	65.8	68.6	63.1	5.52	12.418		
1,000.0	976.8	992.3	973.7	3.7	3.3	101.93	146.3	77.5	81.5	74.6	6.83	11.928		
1,100.0	1,067.1	1,091.8	1,064.9	4.4	4.0	102.95	184.3	89.8	95.0	86.7	8.31	11.434		
1,200.0	1,154.9	1,191.5	1,154.0	5.3	4.8	103.59	227.1	102.7	109.2	99.2	9.95	10.971		
1,300.0	1,240.2	1,291.3	1,240.8	6.3	5.7	103.95	274.5	116.0	123.8	112.1	11.74	10.542		
1,400.0	1,322.6	1,391.3	1,325.1	7.3	6.7	104.12	326.5	129.8	138.9	125.2	13.69	10.148		
1,500.0	1,401.9	1,491.4	1,406.5	8.4	7.8	104.14	382.9	143.9	154.4	138.6	15.78	9.788		
1,600.0	1,477.9	1,591.6	1,484.9	9.5	8.9	104.06	443.6	158.5	170.3	152.3	18.01	9.458		
1,700.0	1,550.6	1,692.0	1,560.1	10.8	10.1	103.96	508.4	173.4	186.5	166.1	20.36	9.158		
1,800.0	1,622.1	1,792.6	1,631.9	12.0	11.4	103.16	577.2	188.6	202.1	179.3	22.85	8.847		
1,900.0	1,693.6	1,892.9	1,699.7	13.2	12.7	101.08	649.4	204.0	217.0	191.6	25.46	8.526		
2,000.0	1,765.1	1,992.3	1,763.0	14.4	14.1	98.00	724.6	219.5	231.7	203.6	28.13	8.236		
2,100.0	1,836.6	2,090.5	1,821.5	15.7	15.5	94.15	801.9	234.9	246.8	216.0	30.77	8.020		
2,200.0	1,908.1	2,187.7	1,877.6	16.9	16.9	90.29	879.7	250.2	262.9	229.7	33.27	7.904		
2,300.0	1,979.7	2,284.9	1,933.7	18.1	18.3	86.88	957.5	265.5	280.2	244.5	35.64	7.861 SF		
2,400.0	2,051.2	2,382.0	1,989.9	19.4	19.7	83.87	1,035.4	280.8	298.3	260.4	37.90	7.870		
2,500.0	2,122.7	2,479.2	2,046.0	20.6	21.1	81.20	1,113.2	296.1	317.1	277.0	40.07	7.913		
2,600.0	2,194.2	2,576.4	2,102.1	21.8	22.5	78.82	1,191.1	311.4	336.5	294.3	42.17	7.981		
2,700.0	2,265.7	2,673.6	2,158.3	23.0	23.9	76.71	1,268.9	326.7	356.4	312.2	44.20	8.064		
2,800.0	2,337.2	2,770.7	2,214.4	24.3	25.3	74.81	1,346.7	342.0	376.8	330.6	46.18	8.159		
2,900.0	2,408.8	2,867.9	2,270.5	25.5	26.7	73.11	1,424.6	357.3	397.5	349.4	48.12	8.260		
3,000.0	2,480.3	2,965.1	2,326.7	26.7	28.1	71.58	1,502.4	372.6	418.5	368.5	50.03	8.366		
3,100.0	2,551.8	3,062.3	2,382.8	28.0	29.5	70.20	1,580.2	388.0	439.8	387.9	51.90	8.473		
3,200.0	2,623.3	3,159.5	2,438.9	29.2	31.0	68.94	1,658.1	403.3	461.3	407.5	53.75	8.581		
3,300.0	2,694.8	3,256.6	2,495.0	30.4	32.4	67.79	1,735.9	418.6	483.0	427.4	55.59	8.688		
3,400.0	2,766.3	3,353.8	2,551.2	31.7	33.8	66.74	1,813.8	433.9	504.8	447.4	57.40	8.794		
3,500.0	2,837.9	3,451.0	2,607.3	32.9	35.2	65.78	1,891.6	449.2	526.8	467.6	59.21	8.898		
3,600.0	2,909.4	3,548.2	2,663.4	34.1	36.6	64.89	1,969.4	464.5	549.0	488.0	61.00	9.000		
3,700.0	2,980.9	3,645.3	2,719.6	35.4	38.0	64.07	2,047.3	479.8	571.3	508.5	62.78	9.100		
3,800.0	3,052.4	3,742.5	2,775.7	36.6	39.4	63.32	2,125.1	495.1	593.6	529.1	64.55	9.196		
3,900.0	3,123.9	3,839.7	2,831.8	37.8	40.8	62.62	2,202.9	510.4	616.1	549.8	66.32	9.290		
4,000.0	3,195.4	3,936.9	2,887.9	39.0	42.2	61.96	2,280.8	525.7	638.6	570.5	68.07	9.381		
4,100.0	3,267.0	4,034.0	2,944.1	40.3	43.6	61.36	2,358.6	541.0	661.2	591.4	69.83	9.469		
4,200.0	3,338.5	4,131.2	3,000.2	41.5	45.0	60.79	2,436.4	556.3	683.9	612.3	71.58	9.555		
4,300.0	3,410.0	4,228.4	3,056.3	42.7	46.5	60.26	2,514.3	571.6	706.6	633.3	73.32	9.638		
4,400.0	3,481.5	4,325.6	3,112.5	44.0	47.9	59.76	2,592.1	586.9	729.4	654.4	75.06	9.718		
4,500.0	3,553.0	4,422.8	3,168.6	45.2	49.3	59.29	2,670.0	602.2	752.3	675.5	76.80	9.795		
4,600.0	3,624.5	4,519.9	3,224.7	46.4	50.7	58.85	2,747.8	617.5	775.2	696.6	78.54	9.870		
4,700.0	3,696.1	4,617.1	3,280.9	47.7	52.1	58.43	2,825.6	632.8	798.1	717.8	80.27	9.943		
4,800.0	3,767.6	4,714.3	3,337.0	48.9	53.5	58.04	2,903.5	648.1	821.0	739.0	82.00	10.013		
4,900.0	3,839.1	4,811.5	3,393.1	50.1	54.9	57.67	2,981.3	663.4	844.0	760.3	83.73	10.081		
5,000.0	3,910.6	4,908.6	3,449.2	51.4	56.3	57.32	3,059.1	678.7	867.1	781.6	85.46	10.146		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12C-19 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	3,982.1	5,005.8	3,505.4	52.6	57.7	56.98	3,137.0	694.0	890.1	803.0	87.18	10.210		
5,200.0	4,053.6	5,103.0	3,561.5	53.8	59.2	56.67	3,214.8	709.3	913.2	824.3	88.91	10.272		
5,300.0	4,125.2	5,200.2	3,617.6	55.1	60.6	56.37	3,292.7	724.7	936.3	845.7	90.63	10.331		
5,400.0	4,198.1	5,297.0	3,673.5	56.2	62.0	56.53	3,370.2	739.9	960.6	868.0	92.63	10.370		
5,500.0	4,274.5	5,392.7	3,728.8	57.3	63.4	56.61	3,446.8	755.0	987.7	893.3	94.43	10.459		
5,600.0	4,354.2	5,487.0	3,783.3	58.4	64.7	56.56	3,522.4	769.8	1,017.7	921.7	95.99	10.602		
5,700.0	4,436.9	5,579.6	3,836.8	59.3	66.1	56.40	3,596.6	784.4	1,050.7	953.4	97.35	10.794		
5,800.0	4,522.4	5,670.4	3,889.3	60.2	67.4	56.18	3,669.3	798.7	1,086.8	988.3	98.52	11.032		
5,900.0	4,610.6	5,759.1	3,940.5	61.0	68.7	55.92	3,740.3	812.7	1,126.1	1,026.6	99.54	11.313		
6,000.0	4,701.1	5,893.6	4,020.5	61.7	70.6	54.92	3,846.4	833.5	1,167.5	1,067.6	99.85	11.692		
6,100.0	4,793.7	6,059.9	4,129.5	62.4	72.8	53.64	3,969.6	857.7	1,206.9	1,107.1	99.78	12.095		
6,200.0	4,888.1	6,237.2	4,257.2	62.9	74.9	52.46	4,090.1	881.4	1,243.5	1,143.9	99.63	12.481		
6,300.0	4,984.1	6,425.9	4,405.0	63.4	76.9	51.38	4,205.1	904.1	1,276.8	1,177.4	99.41	12.844		
6,400.0	5,081.5	6,626.1	4,573.7	63.8	78.7	50.42	4,310.8	924.8	1,306.1	1,206.9	99.12	13.176		
6,500.0	5,179.9	6,837.5	4,762.9	64.1	80.3	49.59	4,402.9	943.0	1,330.6	1,231.9	98.79	13.469		
6,600.0	5,279.1	7,058.8	4,971.0	64.3	81.6	48.91	4,476.8	957.5	1,350.0	1,251.5	98.44	13.713		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12D-19 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	48.57	19.8	22.5	30.0					
100.0	100.0	100.0	100.0	0.1	0.1	48.57	19.8	22.5	30.0	29.7	110.172			
134.1	134.1	134.1	134.1	0.2	0.2	48.57	19.8	22.5	30.0	29.6	76.682 CC, ES			
200.0	200.0	199.5	199.5	0.3	0.3	47.60	20.5	22.4	30.4	29.8	48.927			
300.0	300.0	298.5	298.3	0.5	0.5	44.30	25.6	22.0	31.9	30.9	32.314			
400.0	399.6	397.3	396.6	0.7	0.8	40.34	35.8	21.1	33.2	31.8	23.858			
500.0	498.8	496.0	494.1	1.0	1.1	36.27	51.0	19.8	34.3	32.5	18.705			
600.0	597.1	594.5	590.5	1.4	1.5	32.02	71.1	18.0	35.3	33.0	15.349			
700.0	694.3	692.8	685.6	1.8	1.9	27.87	96.2	16.0	36.3	33.6	13.166			
800.0	790.2	790.9	779.1	2.3	2.5	25.90	125.8	15.2	37.8	34.5	11.619			
900.0	884.4	888.9	870.9	3.0	3.1	26.36	159.9	16.0	39.7	35.8	10.288			
1,000.0	976.8	986.8	960.9	3.7	3.8	28.90	198.4	18.2	41.9	37.3	8.997			
1,100.0	1,067.1	1,084.6	1,048.7	4.4	4.6	33.10	241.2	22.0	44.8	39.1	7.746			
1,200.0	1,154.9	1,182.1	1,134.1	5.3	5.5	38.45	288.1	27.3	48.6	41.3	6.664			
1,300.0	1,240.2	1,279.5	1,216.8	6.3	6.4	44.41	338.9	34.0	53.6	44.4	5.823			
1,400.0	1,322.6	1,376.6	1,296.7	7.3	7.4	50.45	393.5	42.1	60.1	48.6	5.239			
1,500.0	1,401.9	1,473.4	1,373.5	8.4	8.5	56.17	451.7	51.7	68.1	54.1	4.874			
1,600.0	1,477.9	1,570.0	1,447.0	9.5	9.6	61.32	513.3	62.6	77.8	61.2	4.675			
1,700.0	1,550.6	1,666.2	1,517.1	10.8	10.8	65.81	578.1	74.9	89.3	69.9	4.598 SF			
1,800.0	1,622.1	1,762.1	1,583.5	12.0	12.0	68.10	645.8	88.4	103.7	81.8	4.723			
1,900.0	1,693.6	1,858.6	1,647.2	13.2	13.3	68.13	716.8	103.1	121.0	96.8	5.000			
2,000.0	1,765.1	1,957.0	1,711.5	14.4	14.6	67.87	789.8	118.4	138.8	112.4	5.257			
2,100.0	1,836.6	2,055.4	1,775.7	15.7	15.9	67.67	862.7	133.7	156.6	128.0	5.473			
2,200.0	1,908.1	2,153.8	1,840.0	16.9	17.2	67.51	935.6	149.0	174.4	143.6	5.657			
2,300.0	1,979.7	2,252.2	1,904.3	18.1	18.6	67.38	1,008.5	164.3	192.3	159.2	5.816			
2,400.0	2,051.2	2,350.6	1,968.6	19.4	19.9	67.27	1,081.4	179.6	210.1	174.8	5.955			
2,500.0	2,122.7	2,449.0	2,032.9	20.6	21.2	67.18	1,154.3	194.8	227.9	190.4	6.077			
2,600.0	2,194.2	2,547.4	2,097.1	21.8	22.5	67.10	1,227.3	210.1	245.7	206.0	6.185			
2,700.0	2,265.7	2,645.8	2,161.4	23.0	23.8	67.04	1,300.2	225.4	263.5	221.6	6.281			
2,800.0	2,337.2	2,744.2	2,225.7	24.3	25.2	66.98	1,373.1	240.7	281.4	237.2	6.368			
2,900.0	2,408.8	2,842.6	2,290.0	25.5	26.5	66.93	1,446.0	256.0	299.2	252.8	6.446			
3,000.0	2,480.3	2,941.0	2,354.3	26.7	27.8	66.88	1,518.9	271.3	317.0	268.4	6.517			
3,100.0	2,551.8	3,039.4	2,418.6	28.0	29.1	66.84	1,591.8	286.5	334.8	283.9	6.582			
3,200.0	2,623.3	3,137.8	2,482.8	29.2	30.5	66.80	1,664.7	301.8	352.6	299.5	6.641			
3,300.0	2,694.8	3,236.2	2,547.1	30.4	31.8	66.77	1,737.7	317.1	370.5	315.1	6.695			
3,400.0	2,766.3	3,334.6	2,611.4	31.7	33.1	66.74	1,810.6	332.4	388.3	330.7	6.745			
3,500.0	2,837.9	3,433.0	2,675.7	32.9	34.4	66.71	1,883.5	347.7	406.1	346.3	6.791			
3,600.0	2,909.4	3,531.4	2,740.0	34.1	35.8	66.69	1,956.4	363.0	423.9	361.9	6.834			
3,700.0	2,980.9	3,629.8	2,804.2	35.4	37.1	66.66	2,029.3	378.3	441.7	377.5	6.874			
3,800.0	3,052.4	3,728.2	2,868.5	36.6	38.4	66.64	2,102.2	393.5	459.6	393.1	6.911			
3,900.0	3,123.9	3,826.5	2,932.8	37.8	39.7	66.62	2,175.2	408.8	477.4	408.7	6.946			
4,000.0	3,195.4	3,924.9	2,997.1	39.0	41.1	66.60	2,248.1	424.1	495.2	424.2	6.979			
4,100.0	3,267.0	4,023.3	3,061.4	40.3	42.4	66.59	2,321.0	439.4	513.0	439.8	7.009			
4,200.0	3,338.5	4,121.7	3,125.6	41.5	43.7	66.57	2,393.9	454.7	530.8	455.4	7.038			
4,300.0	3,410.0	4,220.1	3,189.9	42.7	45.0	66.55	2,466.8	470.0	548.7	471.0	7.065			
4,400.0	3,481.5	4,318.5	3,254.2	44.0	46.4	66.54	2,539.7	485.3	566.5	486.6	7.091			
4,500.0	3,553.0	4,416.9	3,318.5	45.2	47.7	66.53	2,612.7	500.5	584.3	502.2	7.115			
4,600.0	3,624.5	4,515.3	3,382.8	46.4	49.0	66.51	2,685.6	515.8	602.1	517.8	7.138			
4,700.0	3,696.1	4,613.7	3,447.0	47.7	50.3	66.50	2,758.5	531.1	620.0	533.4	7.159			
4,800.0	3,767.6	4,712.1	3,511.3	48.9	51.7	66.49	2,831.4	546.4	637.8	549.0	7.180			
4,900.0	3,839.1	4,810.5	3,575.6	50.1	53.0	66.48	2,904.3	561.7	655.6	564.5	7.200			
5,000.0	3,910.6	4,908.9	3,639.9	51.4	54.3	66.47	2,977.2	577.0	673.4	580.1	7.218			

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12D-19 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	3,982.1	5,007.3	3,704.2	52.6	55.6	66.46	3,050.2	592.3	691.2	595.7	95.53	7.236		
5,200.0	4,053.6	5,105.7	3,768.4	53.8	57.0	66.45	3,123.1	607.5	709.1	611.3	97.76	7.253		
5,300.0	4,125.2	5,204.1	3,832.7	55.1	58.3	66.45	3,196.0	622.8	726.9	626.9	100.00	7.269		
5,400.0	4,198.1	5,302.4	3,896.9	56.2	59.6	66.76	3,268.8	638.1	745.5	643.2	102.33	7.286		
5,500.0	4,274.5	5,400.0	3,960.6	57.3	60.9	66.83	3,341.1	653.2	766.2	661.8	104.35	7.342		
5,600.0	4,354.2	5,496.7	4,023.8	58.4	62.2	66.64	3,412.8	668.3	789.0	682.9	106.06	7.439		
5,700.0	4,436.9	5,617.3	4,104.7	59.3	63.8	66.06	3,500.3	686.6	812.8	705.3	107.52	7.560		
5,800.0	4,522.4	5,745.6	4,196.7	60.2	65.3	65.49	3,587.8	705.0	835.4	726.5	108.87	7.673		
5,900.0	4,610.6	5,876.7	4,296.7	61.0	66.8	64.99	3,670.8	722.4	856.4	746.3	110.11	7.777		
6,000.0	4,701.1	6,010.3	4,404.4	61.7	68.2	64.54	3,748.2	738.6	875.7	764.5	111.24	7.873		
6,100.0	4,793.7	6,146.5	4,519.5	62.4	69.4	64.14	3,819.4	753.5	893.3	781.0	112.23	7.959		
6,200.0	4,888.1	6,285.0	4,641.6	62.9	70.5	63.80	3,883.3	766.9	908.9	795.7	113.11	8.035		
6,300.0	4,984.1	6,425.7	4,770.1	63.4	71.5	63.50	3,939.2	778.6	922.3	808.5	113.84	8.102		
6,400.0	5,081.5	6,568.2	4,904.2	63.8	72.3	63.26	3,986.3	788.5	933.6	819.2	114.43	8.159		
6,500.0	5,179.9	6,712.4	5,043.1	64.1	72.9	63.05	4,023.8	796.4	942.6	827.7	114.88	8.205		
6,600.0	5,279.1	6,857.8	5,185.8	64.3	73.4	62.89	4,051.1	802.1	949.2	834.0	115.17	8.242		
6,700.0	5,378.8	7,004.1	5,331.1	64.4	73.7	62.78	4,067.8	805.6	953.3	838.0	115.32	8.267		
6,800.0	5,478.8	7,150.9	5,477.8	64.4	73.7	-177.45	4,073.5	806.8	954.9	839.6	115.33	8.280		
6,900.0	5,578.8	7,256.2	5,583.0	64.4	73.8	-177.45	4,073.4	806.6	954.9	839.5	115.40	8.275		
7,000.0	5,678.8	7,357.4	5,684.3	64.5	73.8	-177.45	4,073.1	806.1	954.9	839.5	115.47	8.270		
7,100.0	5,778.8	7,457.4	5,784.3	64.5	73.8	-177.45	4,072.9	805.6	954.9	839.4	115.55	8.265		
7,200.0	5,878.8	7,557.4	5,884.3	64.5	73.8	-177.45	4,072.6	805.1	954.9	839.3	115.62	8.259		
7,300.0	5,978.8	7,657.4	5,984.3	64.5	73.9	-177.45	4,072.3	804.6	954.9	839.2	115.70	8.254		
7,400.0	6,078.8	7,757.4	6,084.3	64.6	73.9	-177.45	4,072.0	804.1	954.9	839.2	115.78	8.248		
7,500.0	6,178.8	7,857.4	6,184.3	64.6	73.9	-177.45	4,071.7	803.6	954.9	839.1	115.86	8.242		
7,600.0	6,278.8	7,957.4	6,284.3	64.6	73.9	-177.45	4,071.4	803.1	954.9	839.0	115.94	8.237		
7,700.0	6,378.8	8,057.4	6,384.3	64.7	74.0	-177.45	4,071.1	802.6	954.9	838.9	116.02	8.231		
7,800.0	6,478.8	8,157.4	6,484.3	64.7	74.0	-177.45	4,070.8	802.1	954.9	838.8	116.10	8.225		
7,900.0	6,578.8	8,257.4	6,584.3	64.7	74.0	-177.45	4,070.5	801.6	954.9	838.8	116.18	8.219		
8,000.0	6,678.8	8,357.4	6,684.3	64.8	74.1	-177.45	4,070.2	801.1	954.9	838.7	116.27	8.213		
8,100.0	6,778.8	8,457.4	6,784.3	64.8	74.1	-177.45	4,070.0	800.6	954.9	838.6	116.35	8.207		
8,200.0	6,878.8	8,557.4	6,884.3	64.8	74.1	-177.45	4,069.7	800.2	954.9	838.5	116.44	8.201		
8,300.0	6,978.8	8,657.4	6,984.3	64.9	74.1	-177.45	4,069.4	799.7	954.9	838.4	116.52	8.195		
8,400.0	7,078.8	8,757.4	7,084.3	64.9	74.2	-177.45	4,069.1	799.2	954.9	838.3	116.61	8.189		
8,500.0	7,178.8	8,857.4	7,184.2	64.9	74.2	-177.45	4,068.8	798.7	954.9	838.2	116.70	8.183		
8,600.0	7,278.8	8,957.4	7,284.2	65.0	74.2	-177.45	4,068.5	798.2	954.9	838.1	116.79	8.176		
8,700.0	7,378.8	9,057.4	7,384.2	65.0	74.3	-177.45	4,068.2	797.7	954.9	838.0	116.88	8.170		
8,800.0	7,478.8	9,157.4	7,484.2	65.0	74.3	-177.45	4,067.9	797.2	954.9	838.0	116.97	8.164		
8,900.0	7,578.8	9,257.4	7,584.2	65.1	74.3	-177.45	4,067.6	796.7	954.9	837.9	117.07	8.157		
9,000.0	7,678.8	9,357.4	7,684.2	65.1	74.4	-177.45	4,067.3	796.2	954.9	837.8	117.16	8.151		
9,100.0	7,778.8	9,457.4	7,784.2	65.1	74.4	-177.45	4,067.0	795.7	954.9	837.7	117.26	8.144		
9,200.0	7,878.8	9,557.4	7,884.2	65.2	74.4	-177.45	4,066.8	795.2	954.9	837.6	117.35	8.137		
9,300.0	7,978.8	9,657.4	7,984.2	65.2	74.5	-177.45	4,066.5	794.7	954.9	837.5	117.45	8.131		
9,400.0	8,078.7	9,757.4	8,084.2	65.3	74.5	-177.45	4,066.2	794.2	954.9	837.4	117.55	8.124		
9,500.0	8,178.7	9,857.4	8,184.2	65.3	74.5	-177.45	4,065.9	793.7	954.9	837.3	117.64	8.117		
9,600.0	8,278.7	9,957.4	8,284.2	65.3	74.6	-177.45	4,065.6	793.2	954.9	837.2	117.74	8.110		
9,700.0	8,378.7	10,057.4	8,384.2	65.4	74.6	-177.45	4,065.3	792.7	954.9	837.1	117.84	8.103		
9,800.0	8,478.7	10,157.4	8,484.2	65.4	74.6	-177.45	4,065.0	792.2	954.9	837.0	117.95	8.096		
9,900.0	8,578.7	10,257.4	8,584.2	65.5	74.7	-177.45	4,064.7	791.7	954.9	836.9	118.05	8.089		
10,000.0	8,678.7	10,357.4	8,684.2	65.5	74.7	-177.45	4,064.4	791.2	954.9	836.8	118.15	8.082		
10,100.0	8,778.7	10,457.4	8,784.2	65.5	74.7	-177.45	4,064.1	790.7	954.9	836.7	118.26	8.075		
10,200.0	8,878.7	10,557.4	8,884.2	65.6	74.8	-177.45	4,063.9	790.2	954.9	836.6	118.36	8.068		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12D-19 I25 596 - OH - Plan #1												Offset Site Error:	0.0 ft	
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,300.0	8,978.7	10,657.4	8,984.2	65.6	74.8	-177.45	4,063.6	789.7	954.9	836.4	118.47	8.061		
10,400.0	9,078.7	10,757.4	9,084.2	65.7	74.8	-177.45	4,063.3	789.2	954.9	836.3	118.57	8.053		
10,500.0	9,178.7	10,857.4	9,184.2	65.7	74.9	-177.45	4,063.0	788.7	954.9	836.2	118.68	8.046		
10,600.0	9,278.7	10,957.4	9,284.2	65.8	74.9	-177.45	4,062.7	788.2	954.9	836.1	118.79	8.039		
10,700.0	9,378.7	11,057.4	9,384.2	65.8	75.0	-177.45	4,062.4	787.7	954.9	836.0	118.90	8.031		
10,800.0	9,478.7	11,157.4	9,484.2	65.9	75.0	-177.45	4,062.1	787.2	954.9	835.9	119.01	8.024		
10,900.0	9,578.7	11,257.4	9,584.2	65.9	75.0	-177.45	4,061.8	786.8	954.9	835.8	119.12	8.016		
11,000.0	9,678.7	11,357.4	9,684.2	65.9	75.1	-177.45	4,061.5	786.3	954.9	835.7	119.24	8.008		
11,100.0	9,778.7	11,457.4	9,784.2	66.0	75.1	-177.45	4,061.2	785.8	954.9	835.6	119.35	8.001		
11,200.0	9,878.7	11,557.4	9,884.2	66.0	75.2	-177.45	4,060.9	785.3	954.9	835.4	119.46	7.993		
11,300.0	9,978.7	11,657.4	9,984.2	66.1	75.2	-177.45	4,060.7	784.8	954.9	835.3	119.58	7.985		
11,400.0	10,078.7	11,757.4	10,084.2	66.1	75.2	-177.45	4,060.4	784.3	954.9	835.2	119.70	7.978		
11,500.0	10,178.7	11,857.4	10,184.2	66.2	75.3	-177.45	4,060.1	783.8	954.9	835.1	119.81	7.970		
11,589.3	10,268.0	11,946.7	10,273.5	66.2	75.3	-177.45	4,059.8	783.3	954.9	835.0	119.92	7.963		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF12D-30 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth	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)				
0.0	0.0	0.0	0.0	0.0	0.0	-145.72	-165.9	-113.1	200.8					
100.0	100.0	100.0	100.0	0.1	0.1	-145.72	-165.9	-113.1	200.8	200.6	0.27	737.658	CC, ES	
200.0	200.0	200.0	200.0	0.3	0.3	-145.72	-165.9	-113.1	200.8	200.2	0.62	323.244		
300.0	300.0	300.0	300.0	0.5	0.5	-145.51	-165.9	-113.1	203.0	202.0	0.97	208.727		
400.0	399.6	395.8	395.8	0.7	0.7	-146.87	-167.1	-112.5	210.2	208.9	1.33	158.313		
500.0	498.8	488.6	488.4	1.0	0.8	-149.64	-172.1	-109.8	224.5	222.8	1.70	131.872		
600.0	597.1	578.3	577.6	1.4	1.1	-153.26	-180.7	-105.2	246.7	244.6	2.10	117.593		
700.0	694.3	663.8	662.0	1.8	1.3	-157.13	-192.3	-98.9	277.4	274.9	2.50	111.005		
800.0	790.2	744.2	740.8	2.3	1.6	-160.82	-206.3	-91.4	317.0	314.1	2.89	109.729	SF	
900.0	884.4	821.1	815.6	3.0	1.9	-164.19	-222.3	-82.8	365.1	361.9	3.25	112.393		
1,000.0	976.8	902.2	894.1	3.7	2.3	-167.28	-240.0	-73.3	419.6	416.1	3.58	117.185		
1,100.0	1,067.1	980.2	969.7	4.4	2.6	-169.76	-257.1	-64.1	479.3	475.4	3.88	123.559		
1,200.0	1,154.9	1,054.8	1,042.0	5.3	3.0	-171.75	-273.4	-55.4	543.7	539.6	4.15	131.143		
1,300.0	1,240.2	1,125.9	1,110.9	6.3	3.3	-173.37	-288.9	-47.0	612.4	608.0	4.38	139.689		
1,400.0	1,322.6	1,193.3	1,176.2	7.3	3.6	-174.69	-303.6	-39.1	685.1	680.5	4.60	149.043		
1,500.0	1,401.9	1,256.8	1,237.7	8.4	3.9	-175.79	-317.5	-31.7	761.5	756.7	4.79	159.108		
1,600.0	1,477.9	1,316.2	1,295.2	9.5	4.2	-176.70	-330.5	-24.7	841.3	836.4	4.95	169.845		
1,700.0	1,550.6	1,371.5	1,348.7	10.8	4.4	-177.53	-342.5	-18.2	924.2	919.1	5.12	180.368		
1,800.0	1,622.1	1,425.4	1,401.0	12.0	4.7	-178.38	-354.3	-11.9	1,008.0	1,002.7	5.37	187.582		
1,900.0	1,693.6	1,479.3	1,453.2	13.2	4.9	-179.10	-366.1	-5.5	1,091.9	1,086.3	5.63	193.938		
2,000.0	1,765.1	1,533.3	1,505.5	14.4	5.2	-179.72	-377.9	0.8	1,175.9	1,170.0	5.89	199.533		
2,100.0	1,836.6	1,587.2	1,557.7	15.7	5.4	179.74	-389.7	7.1	1,259.9	1,253.7	6.16	204.462		
2,200.0	1,908.1	1,641.1	1,610.0	16.9	5.7	179.27	-401.4	13.5	1,343.9	1,337.4	6.44	208.806		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13A-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-145.04	-172.6	-120.6	210.5					
100.0	100.0	100.0	100.0	0.1	0.1	-145.04	-172.6	-120.6	210.5	210.3	0.27	773.295		
200.0	200.0	200.0	200.0	0.3	0.3	-145.04	-172.6	-120.6	210.5	209.9	0.62	338.860 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-144.83	-172.6	-120.6	212.7	211.7	0.97	218.663		
400.0	399.6	390.9	390.8	0.7	0.6	-146.07	-174.7	-120.6	221.1	219.8	1.32	167.512		
500.0	498.8	479.7	479.5	1.0	0.8	-148.23	-181.0	-120.6	238.1	236.4	1.68	141.429		
600.0	597.1	569.5	568.6	1.4	1.1	-151.12	-191.3	-119.8	263.4	261.3	2.07	127.250		
700.0	694.3	656.4	654.5	1.8	1.3	-154.49	-204.3	-116.6	296.0	293.5	2.47	119.911		
800.0	790.2	738.4	734.9	2.3	1.6	-157.88	-219.4	-111.3	336.3	333.5	2.86	117.597 SF		
900.0	884.4	814.7	809.1	3.0	1.9	-161.02	-235.8	-104.4	384.5	381.3	3.23	118.979		
1,000.0	976.8	885.0	876.8	3.7	2.3	-163.79	-253.0	-96.4	440.2	436.6	3.58	122.955		
1,100.0	1,067.1	954.1	942.7	4.4	2.6	-166.35	-271.5	-87.1	502.7	498.8	3.89	129.166		
1,200.0	1,154.9	1,024.8	1,010.1	5.3	3.0	-168.64	-290.6	-77.4	570.3	566.1	4.17	136.626		
1,300.0	1,240.2	1,091.8	1,073.9	6.3	3.4	-170.49	-308.8	-68.3	642.2	637.8	4.42	145.159		
1,400.0	1,322.6	1,154.9	1,134.0	7.3	3.7	-171.99	-325.9	-59.6	718.1	713.5	4.65	154.542		
1,500.0	1,401.9	1,213.9	1,190.2	8.4	4.0	-173.21	-341.9	-51.6	797.6	792.7	4.84	164.701		
1,600.0	1,477.9	1,268.6	1,242.4	9.5	4.3	-174.22	-356.8	-44.1	880.3	875.3	5.02	175.519		
1,700.0	1,550.6	1,319.1	1,290.4	10.8	4.6	-175.15	-370.4	-37.2	965.9	960.7	5.18	186.416		
1,800.0	1,622.1	1,368.1	1,337.2	12.0	4.9	-176.25	-383.7	-30.4	1,052.5	1,047.1	5.40	195.001		
1,900.0	1,693.6	1,417.2	1,384.0	13.2	5.2	-177.19	-397.1	-23.7	1,139.1	1,133.5	5.62	202.671		
2,000.0	1,765.1	1,466.3	1,430.7	14.4	5.4	-178.01	-410.4	-17.0	1,225.8	1,220.0	5.85	209.474		
2,100.0	1,836.6	1,515.4	1,477.5	15.7	5.7	-178.71	-423.7	-10.3	1,312.6	1,306.5	6.09	215.493		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13B-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft) +E/-W (ft)		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-146.46	-159.3	-105.6	191.2					
100.0	100.0	100.0	100.0	0.1	0.1	-146.46	-159.3	-105.6	191.2	190.9	0.27	702.121		
200.0	200.0	200.0	200.0	0.3	0.3	-146.46	-159.3	-105.6	191.2	190.5	0.62	307.671	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	-146.27	-159.3	-105.6	193.3	192.4	0.97	198.822		
400.0	399.6	397.6	397.6	0.7	0.7	-147.53	-159.8	-105.3	200.2	198.8	1.33	150.614		
500.0	498.8	491.6	491.4	1.0	0.8	-150.26	-163.7	-102.7	213.5	211.8	1.70	125.620		
600.0	597.1	582.6	582.1	1.4	1.0	-154.00	-171.1	-97.8	234.5	232.4	2.09	112.155		
700.0	694.3	669.6	668.1	1.8	1.3	-158.10	-181.5	-90.8	263.8	261.3	2.49	105.964		
800.0	790.2	751.7	748.8	2.3	1.6	-162.06	-194.3	-82.2	301.9	299.0	2.88	104.879	SF	
900.0	884.4	828.2	823.2	3.0	1.9	-165.60	-208.8	-72.5	348.6	345.3	3.24	107.539		
1,000.0	976.8	900.0	892.4	3.7	2.2	-168.69	-224.7	-61.9	403.4	399.8	3.57	112.945		
1,100.0	1,067.1	962.8	952.3	4.4	2.6	-171.17	-240.3	-51.4	465.6	461.7	3.87	120.222		
1,200.0	1,154.9	1,020.5	1,006.8	5.3	2.9	-173.28	-256.2	-40.9	534.4	530.2	4.13	129.262		
1,300.0	1,240.2	1,072.0	1,055.0	6.3	3.3	-175.03	-271.4	-30.6	609.0	604.7	4.36	139.550		
1,400.0	1,322.6	1,117.9	1,097.4	7.3	3.6	-176.53	-285.9	-20.9	688.7	684.2	4.56	151.176		
1,500.0	1,401.9	1,171.1	1,146.3	8.4	3.9	-178.23	-303.2	-9.4	772.3	767.6	4.74	163.035		
1,600.0	1,477.9	1,219.8	1,191.2	9.5	4.3	-179.71	-319.0	1.2	858.8	853.9	4.90	175.432		
1,700.0	1,550.6	1,264.3	1,232.1	10.8	4.6	-178.98	-333.4	10.8	947.9	942.8	5.07	187.040		
1,800.0	1,622.1	1,307.3	1,271.7	12.0	4.9	-177.91	-347.4	20.1	1,037.8	1,032.5	5.35	193.952		
1,900.0	1,693.6	1,350.3	1,311.3	13.2	5.2	-177.00	-361.3	29.5	1,127.8	1,122.1	5.65	199.562		
2,000.0	1,765.1	1,393.3	1,350.9	14.4	5.5	-176.22	-375.3	38.8	1,217.8	1,211.8	5.97	204.141		
2,100.0	1,836.6	1,436.3	1,390.5	15.7	5.8	-175.55	-389.2	48.2	1,307.8	1,301.5	6.29	207.831		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13C-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (")	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-147.27	-152.7	-98.1	181.5					
100.0	100.0	100.0	100.0	0.1	0.1	-147.27	-152.7	-98.1	181.5	181.3	0.27	666.725		
200.0	200.0	200.0	200.0	0.3	0.3	-147.27	-152.7	-98.1	181.5	180.9	0.62	292.161	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	-147.10	-152.7	-98.1	183.7	182.8	0.97	188.957		
400.0	399.6	398.8	398.8	0.7	0.7	-148.30	-152.8	-98.0	190.4	189.1	1.33	143.155		
500.0	498.8	493.7	493.6	1.0	0.8	-150.90	-155.6	-95.9	203.1	201.4	1.70	119.649		
600.0	597.1	585.8	585.4	1.4	1.0	-154.68	-161.9	-91.0	223.2	221.1	2.08	107.147		
700.0	694.3	674.1	672.9	1.8	1.3	-158.91	-171.2	-83.8	251.4	248.9	2.48	101.514		
800.0	790.2	757.6	755.1	2.3	1.5	-163.05	-182.9	-74.7	288.2	285.3	2.86	100.715	SF	
900.0	884.4	835.6	831.2	3.0	1.8	-166.78	-196.4	-64.2	333.6	330.3	3.22	103.490		
1,000.0	976.8	907.6	900.8	3.7	2.2	-170.00	-211.0	-52.9	387.1	383.5	3.55	108.991		
1,100.0	1,067.1	973.4	963.7	4.4	2.5	-172.72	-226.1	-41.1	448.1	444.3	3.86	116.239		
1,200.0	1,154.9	1,032.9	1,020.0	5.3	2.9	-175.00	-241.3	-29.3	515.8	511.7	4.12	125.110		
1,300.0	1,240.2	1,086.1	1,069.8	6.3	3.2	-176.92	-256.0	-17.8	589.5	585.1	4.36	135.323		
1,400.0	1,322.6	1,133.1	1,113.4	7.3	3.6	-178.56	-270.0	-7.0	668.3	663.7	4.56	146.411		
1,500.0	1,401.9	1,174.2	1,151.1	8.4	3.8	179.99	-282.8	3.0	751.6	746.8	4.74	158.424		
1,600.0	1,477.9	1,200.0	1,174.6	9.5	4.0	179.01	-291.2	9.5	838.7	833.8	4.88	172.006		
1,700.0	1,550.6	1,240.1	1,210.8	10.8	4.4	177.45	-304.8	20.1	928.8	923.7	5.08	182.798		
1,800.0	1,622.1	1,267.7	1,235.5	12.0	4.6	176.56	-314.5	27.6	1,020.3	1,014.9	5.37	190.104		
1,900.0	1,693.6	1,300.0	1,264.3	13.2	4.9	175.61	-326.1	36.7	1,112.3	1,106.6	5.68	195.681		
2,000.0	1,765.1	1,318.2	1,280.3	14.4	5.0	175.11	-332.9	41.9	1,204.8	1,198.8	5.97	201.909		
2,100.0	1,836.6	1,346.4	1,305.0	15.7	5.3	174.38	-343.5	50.2	1,297.7	1,291.4	6.30	205.907		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13D-19 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	48.58	13.2	15.0	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	48.58	13.2	15.0	20.0	19.7	73.442			
200.0	200.0	200.0	200.0	0.3	0.3	48.58	13.2	15.0	20.0	19.4	0.62	32.182 CC		
300.0	300.0	299.2	299.1	0.5	0.5	50.19	15.8	15.5	20.3	19.3	0.98	20.798 ES		
400.0	399.6	398.4	398.0	0.7	0.7	53.07	23.4	16.8	21.3	20.0	1.38	15.510		
500.0	498.8	497.5	496.3	1.0	1.0	57.27	36.0	19.1	23.1	21.3	1.87	12.379		
600.0	597.1	596.6	593.8	1.4	1.3	62.10	53.6	22.3	25.8	23.3	2.51	10.279		
700.0	694.3	695.7	690.1	1.8	1.8	66.94	76.2	26.3	29.5	26.1	3.34	8.817		
800.0	790.2	794.7	785.1	2.3	2.3	71.38	103.6	31.3	34.2	29.8	4.38	7.808		
900.0	884.4	893.6	878.5	3.0	2.9	75.21	135.8	37.1	39.9	34.3	5.60	7.117		
1,000.0	976.8	992.5	970.0	3.7	3.6	78.40	172.7	43.7	46.6	39.6	7.01	6.644		
1,100.0	1,067.1	1,091.3	1,059.3	4.4	4.4	81.01	214.2	51.2	54.2	45.7	8.59	6.317		
1,200.0	1,154.9	1,190.0	1,146.2	5.3	5.2	83.12	260.1	59.5	62.8	52.5	10.32	6.088		
1,300.0	1,240.2	1,288.6	1,230.6	6.3	6.2	84.81	310.4	68.5	72.4	60.1	12.21	5.924		
1,400.0	1,322.6	1,387.1	1,312.1	7.3	7.2	86.16	364.8	78.3	82.7	68.5	14.25	5.805		
1,500.0	1,401.9	1,486.1	1,391.6	8.4	8.2	87.76	422.9	88.8	93.8	77.4	16.41	5.714		
1,600.0	1,477.9	1,585.2	1,470.8	9.5	9.3	91.56	481.4	99.3	105.0	86.3	18.68	5.620		
1,700.0	1,550.6	1,683.8	1,549.7	10.8	10.3	97.06	539.6	109.8	117.2	96.3	20.91	5.606 SF		
1,800.0	1,622.1	1,782.2	1,628.4	12.0	11.3	102.41	597.7	120.3	130.7	107.8	22.94	5.698		
1,900.0	1,693.6	1,880.6	1,707.1	13.2	12.4	106.74	655.9	130.7	145.2	120.3	24.83	5.846		
2,000.0	1,765.1	1,979.0	1,785.9	14.4	13.4	110.28	714.0	141.2	160.3	133.6	26.62	6.021		
2,100.0	1,836.6	2,077.4	1,864.6	15.7	14.5	113.20	772.1	151.7	175.9	147.5	28.34	6.206		
2,200.0	1,908.1	2,175.8	1,943.3	16.9	15.5	115.65	830.2	162.1	191.8	161.8	30.01	6.393		
2,300.0	1,979.7	2,274.2	2,022.0	18.1	16.6	117.72	888.4	172.6	208.1	176.5	31.65	6.576		
2,400.0	2,051.2	2,372.6	2,100.7	19.4	17.6	119.49	946.5	183.1	224.6	191.3	33.26	6.752		
2,500.0	2,122.7	2,471.0	2,179.4	20.6	18.7	121.01	1,004.6	193.5	241.3	206.4	34.86	6.920		
2,600.0	2,194.2	2,569.4	2,258.2	21.8	19.7	122.34	1,062.7	204.0	258.1	221.6	36.45	7.080		
2,700.0	2,265.7	2,667.9	2,336.9	23.0	20.8	123.50	1,120.9	214.5	275.0	237.0	38.03	7.231		
2,800.0	2,337.2	2,766.3	2,415.6	24.3	21.8	124.53	1,179.0	224.9	292.1	252.5	39.61	7.374		
2,900.0	2,408.8	2,864.7	2,494.3	25.5	22.9	125.45	1,237.1	235.4	309.2	268.0	41.18	7.508		
3,000.0	2,480.3	2,963.1	2,573.0	26.7	23.9	126.27	1,295.2	245.9	326.4	283.6	42.75	7.635		
3,100.0	2,551.8	3,061.5	2,651.8	28.0	25.0	127.01	1,353.4	256.4	343.6	299.3	44.31	7.755		
3,200.0	2,623.3	3,159.9	2,730.5	29.2	26.0	127.68	1,411.5	266.8	360.9	315.0	45.87	7.868		
3,300.0	2,694.8	3,258.3	2,809.2	30.4	27.1	128.29	1,469.6	277.3	378.2	330.8	47.43	7.974		
3,400.0	2,766.3	3,356.7	2,887.9	31.7	28.1	128.84	1,527.7	287.8	395.6	346.6	48.99	8.075		
3,500.0	2,837.9	3,455.1	2,966.6	32.9	29.2	129.35	1,585.9	298.2	413.0	362.5	50.55	8.170		
3,600.0	2,909.4	3,553.5	3,045.3	34.1	30.2	129.81	1,644.0	308.7	430.5	378.4	52.11	8.260		
3,700.0	2,980.9	3,652.0	3,124.1	35.4	31.3	130.24	1,702.1	319.2	447.9	394.3	53.67	8.345		
3,800.0	3,052.4	3,750.4	3,202.8	36.6	32.3	130.64	1,760.2	329.6	465.4	410.2	55.23	8.427		
3,900.0	3,123.9	3,848.8	3,281.5	37.8	33.4	131.01	1,818.3	340.1	482.9	426.1	56.79	8.503		
4,000.0	3,195.4	3,947.2	3,360.2	39.0	34.4	131.35	1,876.5	350.6	500.4	442.1	58.35	8.577		
4,100.0	3,267.0	4,045.6	3,438.9	40.3	35.5	131.67	1,934.6	361.0	518.0	458.1	59.91	8.646		
4,200.0	3,338.5	4,144.0	3,517.7	41.5	36.5	131.97	1,992.7	371.5	535.5	474.1	61.47	8.713		
4,300.0	3,410.0	4,242.4	3,596.4	42.7	37.6	132.25	2,050.8	382.0	553.1	490.1	63.03	8.776		
4,400.0	3,481.5	4,340.8	3,675.1	44.0	38.6	132.51	2,109.0	392.4	570.7	506.1	64.59	8.836		
4,500.0	3,553.0	4,439.2	3,753.8	45.2	39.7	132.76	2,167.1	402.9	588.3	522.1	66.14	8.894		
4,600.0	3,624.5	4,537.6	3,832.5	46.4	40.7	132.99	2,225.2	413.4	605.9	538.2	67.70	8.949		
4,700.0	3,696.1	4,636.1	3,911.2	47.7	41.8	133.21	2,283.3	423.8	623.5	554.2	69.26	9.002		
4,800.0	3,767.6	4,734.5	3,990.0	48.9	42.8	133.42	2,341.5	434.3	641.1	570.3	70.82	9.052		
4,900.0	3,839.1	4,832.9	4,068.7	50.1	43.9	133.62	2,399.6	444.8	658.7	586.4	72.38	9.101		
5,000.0	3,910.6	4,931.3	4,147.4	51.4	44.9	133.80	2,457.7	455.3	676.4	602.4	73.94	9.147		
5,100.0	3,982.1	5,029.7	4,226.1	52.6	46.0	133.98	2,515.8	465.7	694.0	618.5	75.50	9.192		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13D-19 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	4,053.6	5,126.9	4,303.8	53.8	47.0	134.15	2,573.2	476.1	711.7	634.6	77.05	9.236		
5,300.0	4,125.2	5,200.0	4,363.2	55.1	47.7	134.36	2,615.3	483.6	730.6	652.3	78.31	9.330		
5,400.0	4,198.1	5,287.6	4,436.3	56.2	48.6	135.12	2,662.7	492.2	750.5	671.3	79.16	9.481		
5,500.0	4,274.5	5,366.8	4,504.3	57.3	49.3	135.82	2,702.7	499.4	769.3	689.4	79.90	9.628		
5,600.0	4,354.2	5,445.7	4,573.6	58.4	49.9	136.46	2,739.8	506.0	786.9	706.3	80.59	9.764		
5,700.0	4,436.9	5,524.3	4,644.2	59.3	50.5	137.03	2,773.8	512.2	803.2	722.0	81.23	9.888		
5,800.0	4,522.4	5,600.0	4,713.4	60.2	51.0	137.54	2,803.9	517.6	818.2	736.4	81.81	10.001		
5,900.0	4,610.6	5,680.8	4,788.7	61.0	51.5	138.00	2,833.0	522.8	832.0	749.6	82.34	10.104		
6,000.0	4,701.1	5,758.8	4,862.4	61.7	51.9	138.40	2,858.1	527.4	844.3	761.5	82.80	10.198		
6,100.0	4,793.7	5,836.6	4,936.9	62.4	52.3	138.75	2,880.2	531.3	855.4	772.2	83.20	10.281		
6,200.0	4,888.1	5,914.3	5,012.1	62.9	52.6	139.06	2,899.3	534.8	865.0	781.5	83.54	10.354		
6,300.0	4,984.1	6,000.0	5,095.9	63.4	52.9	139.33	2,916.7	537.9	873.3	789.4	83.83	10.418		
6,400.0	5,081.5	6,069.3	5,164.2	63.8	53.1	139.54	2,928.2	540.0	880.0	796.0	84.02	10.474		
6,500.0	5,179.9	6,146.7	5,240.9	64.1	53.3	139.71	2,938.0	541.8	885.4	801.2	84.16	10.521		
6,600.0	5,279.1	6,223.9	5,317.9	64.3	53.4	139.84	2,944.8	543.0	889.3	805.1	84.24	10.558		
6,700.0	5,378.8	6,300.0	5,393.8	64.4	53.5	139.93	2,948.5	543.6	891.8	807.6	84.25	10.585		
6,800.0	5,478.8	6,385.2	5,479.0	64.4	53.5	-100.18	2,949.3	543.8	892.8	808.5	84.23	10.599		
6,900.0	5,578.8	6,465.8	5,579.7	64.4	53.5	-100.17	2,949.1	543.5	892.8	808.4	84.31	10.589		
6,946.8	5,625.6	6,532.6	5,626.5	64.4	53.5	-100.17	2,949.0	543.2	892.7	808.4	84.34	10.585		
7,000.0	5,678.8	6,585.9	5,679.7	64.5	53.6	-100.17	2,948.9	543.0	892.8	808.4	84.38	10.580		
7,100.0	5,778.8	6,685.9	5,779.7	64.5	53.6	-100.17	2,948.6	542.5	892.8	808.3	84.46	10.570		
7,200.0	5,878.8	6,785.9	5,879.7	64.5	53.6	-100.17	2,948.3	542.0	892.8	808.2	84.54	10.560		
7,300.0	5,978.8	6,885.9	5,979.7	64.5	53.6	-100.17	2,948.0	541.5	892.8	808.1	84.63	10.549		
7,400.0	6,078.8	6,985.9	6,079.7	64.6	53.7	-100.17	2,947.7	541.0	892.8	808.0	84.71	10.539		
7,500.0	6,178.8	7,085.9	6,179.7	64.6	53.7	-100.17	2,947.4	540.5	892.8	808.0	84.79	10.528		
7,600.0	6,278.8	7,185.9	6,279.7	64.6	53.7	-100.17	2,947.1	540.0	892.8	807.9	84.88	10.518		
7,700.0	6,378.8	7,285.9	6,379.7	64.7	53.8	-100.17	2,946.8	539.5	892.8	807.8	84.97	10.507		
7,800.0	6,478.8	7,385.9	6,479.7	64.7	53.8	-100.17	2,946.5	539.0	892.8	807.7	85.06	10.496		
7,900.0	6,578.8	7,485.9	6,579.7	64.7	53.9	-100.17	2,946.2	538.5	892.8	807.6	85.15	10.485		
8,000.0	6,678.8	7,585.9	6,679.7	64.8	53.9	-100.17	2,945.9	538.0	892.8	807.5	85.24	10.474		
8,100.0	6,778.8	7,685.9	6,779.7	64.8	53.9	-100.17	2,945.7	537.5	892.8	807.4	85.33	10.462		
8,200.0	6,878.8	7,785.9	6,879.7	64.8	54.0	-100.17	2,945.4	537.0	892.8	807.3	85.43	10.451		
8,300.0	6,978.8	7,885.9	6,979.7	64.9	54.0	-100.17	2,945.1	536.5	892.8	807.2	85.52	10.439		
8,400.0	7,078.8	7,985.9	7,079.7	64.9	54.0	-100.17	2,944.8	536.1	892.8	807.1	85.62	10.427		
8,500.0	7,178.8	8,085.9	7,179.7	64.9	54.1	-100.17	2,944.5	535.6	892.8	807.0	85.72	10.415		
8,600.0	7,278.8	8,185.9	7,279.7	65.0	54.1	-100.17	2,944.2	535.1	892.8	806.9	85.82	10.403		
8,700.0	7,378.8	8,285.9	7,379.7	65.0	54.2	-100.17	2,943.9	534.6	892.8	806.8	85.92	10.391		
8,800.0	7,478.8	8,385.9	7,479.7	65.0	54.2	-100.17	2,943.6	534.1	892.8	806.7	86.02	10.378		
8,900.0	7,578.8	8,485.9	7,579.7	65.1	54.2	-100.17	2,943.3	533.6	892.8	806.6	86.12	10.366		
9,000.0	7,678.8	8,585.9	7,679.7	65.1	54.3	-100.17	2,943.0	533.1	892.8	806.5	86.23	10.353		
9,100.0	7,778.8	8,685.9	7,779.7	65.1	54.3	-100.17	2,942.7	532.6	892.8	806.4	86.34	10.341		
9,200.0	7,878.8	8,785.9	7,879.7	65.2	54.4	-100.17	2,942.4	532.1	892.8	806.3	86.44	10.328		
9,300.0	7,978.8	8,885.9	7,979.7	65.2	54.4	-100.17	2,942.2	531.6	892.8	806.2	86.55	10.315		
9,400.0	8,078.7	8,985.9	8,079.7	65.3	54.5	-100.17	2,941.9	531.1	892.8	806.1	86.66	10.302		
9,500.0	8,178.7	9,085.9	8,179.6	65.3	54.5	-100.17	2,941.6	530.6	892.8	806.0	86.77	10.289		
9,600.0	8,278.7	9,185.9	8,279.6	65.3	54.5	-100.17	2,941.3	530.1	892.8	805.9	86.88	10.275		
9,700.0	8,378.7	9,285.9	8,379.6	65.4	54.6	-100.17	2,941.0	529.6	892.8	805.8	87.00	10.262		
9,800.0	8,478.7	9,385.9	8,479.6	65.4	54.6	-100.17	2,940.7	529.1	892.8	805.6	87.11	10.248		
9,900.0	8,578.7	9,485.9	8,579.6	65.5	54.7	-100.17	2,940.4	528.6	892.8	805.5	87.23	10.235		
10,000.0	8,678.7	9,585.9	8,679.6	65.5	54.7	-100.17	2,940.1	528.1	892.8	805.4	87.35	10.221		
10,100.0	8,778.7	9,685.9	8,779.6	65.5	54.8	-100.17	2,939.8	527.6	892.8	805.3	87.47	10.207		
10,200.0	8,878.7	9,785.9	8,879.6	65.6	54.8	-100.17	2,939.5	527.1	892.8	805.2	87.59	10.193		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13D-19 I25 596 - OH - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
10,300.0	8,978.7	9,885.9	8,979.6	65.6	54.9	-100.17	2,939.2	526.6	892.8	805.1	87.71	10.179	
10,400.0	9,078.7	9,985.9	9,079.6	65.7	54.9	-100.17	2,939.0	526.2	892.8	804.9	87.83	10.165	
10,500.0	9,178.7	10,085.9	9,179.6	65.7	55.0	-100.17	2,938.7	525.7	892.8	804.8	87.95	10.150	
10,600.0	9,278.7	10,185.9	9,279.6	65.8	55.0	-100.17	2,938.4	525.2	892.8	804.7	88.08	10.136	
10,700.0	9,378.7	10,285.9	9,379.6	65.8	55.1	-100.17	2,938.1	524.7	892.8	804.6	88.20	10.122	
10,800.0	9,478.7	10,385.9	9,479.6	65.9	55.1	-100.17	2,937.8	524.2	892.8	804.4	88.33	10.107	
10,900.0	9,578.7	10,485.9	9,579.6	65.9	55.2	-100.17	2,937.5	523.7	892.8	804.3	88.46	10.092	
11,000.0	9,678.7	10,585.9	9,679.6	65.9	55.2	-100.17	2,937.2	523.2	892.8	804.2	88.59	10.078	
11,100.0	9,778.7	10,685.9	9,779.6	66.0	55.3	-100.17	2,936.9	522.7	892.8	804.0	88.72	10.063	
11,200.0	9,878.7	10,785.9	9,879.6	66.0	55.3	-100.17	2,936.6	522.2	892.8	803.9	88.85	10.048	
11,300.0	9,978.7	10,885.9	9,979.6	66.1	55.4	-100.17	2,936.3	521.7	892.8	803.8	88.99	10.033	
11,400.0	10,078.7	10,985.9	10,079.6	66.1	55.4	-100.17	2,936.0	521.2	892.8	803.6	89.12	10.018	
11,500.0	10,178.7	11,085.9	10,179.6	66.2	55.5	-100.17	2,935.8	520.7	892.8	803.5	89.26	10.002	
11,546.0	10,224.7	11,131.8	10,225.6	66.2	55.5	-100.17	2,935.6	520.5	892.8	803.4	89.32	9.995	
11,589.3	10,268.0	11,156.2	10,250.0	66.2	55.5	-100.17	2,935.5	520.4	893.0	803.6	89.36	9.992	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13D-30 I25 596 - OH - Plan #1												Offset Site Error: 0.0 ft			
Survey Program: 0-MWD														Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	Offset Wellbore Centre +E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor			
0.0	0.0	0.0	0.0	0.0	0.0	-148.45	-173.4	-106.5	203.5						
100.0	100.0	100.0	100.0	0.1	0.1	-148.45	-173.4	-106.5	203.5	203.3	0.27	747.541			
200.0	200.0	200.0	200.0	0.3	0.3	-148.45	-173.4	-106.5	203.5	202.9	0.62	327.574	CC, ES		
300.0	300.0	296.3	296.3	0.5	0.5	-148.51	-174.6	-105.8	206.4	205.4	0.97	213.307			
400.0	399.6	390.3	390.0	0.7	0.7	-150.75	-179.6	-102.8	216.2	214.9	1.33	162.002			
500.0	498.8	481.7	480.9	1.0	0.9	-154.12	-188.2	-97.7	233.8	232.0	1.73	134.919			
600.0	597.1	569.5	567.7	1.4	1.2	-158.01	-200.1	-90.6	259.7	257.6	2.15	120.901			
700.0	694.3	652.7	649.2	1.8	1.5	-161.88	-214.4	-82.1	294.6	292.0	2.56	115.083			
800.0	790.2	730.6	724.7	2.3	1.9	-165.41	-230.6	-72.4	338.2	335.3	2.95	114.764	SF		
900.0	884.4	800.0	791.4	3.0	2.2	-168.35	-247.2	-62.5	390.3	387.0	3.29	118.529			
1,000.0	976.8	868.3	856.2	3.7	2.6	-171.04	-265.6	-51.5	450.0	446.4	3.62	124.205			
1,100.0	1,067.1	927.8	912.1	4.4	3.0	-173.18	-283.2	-41.0	516.7	512.8	3.91	132.293			
1,200.0	1,154.9	981.0	961.4	5.3	3.4	-174.96	-300.3	-30.8	589.5	585.3	4.15	141.990			
1,300.0	1,240.2	1,028.1	1,004.6	6.3	3.7	-176.45	-316.3	-21.2	667.6	663.2	4.37	152.933			
1,400.0	1,322.6	1,069.2	1,042.0	7.3	4.1	-177.72	-331.0	-12.4	750.3	745.7	4.55	165.035			
1,500.0	1,401.9	1,100.0	1,069.7	8.4	4.3	-178.66	-342.6	-5.6	836.9	832.2	4.69	178.538			
1,600.0	1,477.9	1,134.9	1,100.8	9.5	4.6	-179.82	-356.0	2.5	926.8	922.0	4.82	192.246			
1,700.0	1,550.6	1,165.5	1,127.9	10.8	4.8	-179.06	-368.3	9.8	1,019.4	1,014.5	4.96	205.472			
1,800.0	1,622.1	1,192.1	1,151.4	12.0	5.1	-178.20	-379.1	16.2	1,112.9	1,107.7	5.20	213.869			
1,900.0	1,693.6	1,226.5	1,181.7	13.2	5.4	-177.22	-393.1	24.6	1,206.5	1,201.1	5.48	220.255			
2,000.0	1,765.1	1,261.0	1,212.1	14.4	5.7	-176.38	-407.1	33.0	1,300.2	1,294.4	5.77	225.386			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF13E-30 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-147.66	-180.1	-114.0	213.1					
100.0	100.0	100.0	100.0	0.1	0.1	-147.66	-180.1	-114.0	213.1	212.8	0.27	782.727		
200.0	200.0	200.0	200.0	0.3	0.3	-147.66	-180.1	-114.0	213.1	212.5	0.62	342.993	CC, ES	
300.0	300.0	293.7	293.7	0.5	0.5	-147.86	-182.2	-113.1	216.8	215.8	0.97	224.299		
400.0	399.6	386.0	385.7	0.7	0.7	-150.04	-188.4	-110.6	227.9	226.6	1.34	170.668		
500.0	498.8	475.7	474.8	1.0	0.9	-153.15	-198.4	-106.5	247.2	245.5	1.73	142.795		
600.0	597.1	561.6	559.5	1.4	1.2	-156.64	-211.6	-101.1	275.2	273.1	2.14	128.634		
700.0	694.3	642.8	638.8	1.8	1.6	-160.05	-227.3	-94.6	312.1	309.6	2.54	122.883		
800.0	790.2	718.5	712.2	2.3	1.9	-163.13	-244.8	-87.5	357.8	354.8	2.92	122.665	SF	
900.0	884.4	788.3	779.1	3.0	2.3	-165.77	-263.2	-79.9	411.6	408.4	3.26	126.096		
1,000.0	976.8	851.9	839.3	3.7	2.7	-167.95	-282.0	-72.2	473.1	469.5	3.58	131.995		
1,100.0	1,067.1	900.0	884.4	4.4	3.0	-169.36	-297.4	-65.9	541.3	537.5	3.85	140.496		
1,200.0	1,154.9	960.2	940.3	5.3	3.4	-171.15	-318.2	-57.4	615.3	611.2	4.12	149.228		
1,300.0	1,240.2	1,000.0	976.8	6.3	3.7	-172.07	-332.8	-51.4	694.6	690.3	4.34	159.883		
1,400.0	1,322.6	1,044.2	1,017.0	7.3	4.0	-173.13	-349.9	-44.4	778.3	773.7	4.56	170.829		
1,500.0	1,401.9	1,077.7	1,047.1	8.4	4.3	-173.76	-363.4	-38.9	865.8	861.0	4.74	182.631		
1,600.0	1,477.9	1,100.0	1,067.1	9.5	4.5	-173.94	-372.7	-35.1	956.5	951.6	4.92	194.521		
1,700.0	1,550.6	1,129.3	1,093.1	10.8	4.7	-174.56	-385.2	-29.9	1,049.7	1,044.6	5.08	206.497		
1,800.0	1,622.1	1,150.4	1,111.7	12.0	4.9	-175.40	-394.4	-26.1	1,143.9	1,138.6	5.27	217.175		
1,900.0	1,693.6	1,172.5	1,131.0	13.2	5.1	-176.20	-404.2	-22.1	1,238.5	1,233.1	5.45	227.335		
2,000.0	1,765.1	1,203.6	1,158.2	14.4	5.4	-177.21	-418.2	-16.4	1,333.3	1,327.7	5.62	237.032		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF14A-30 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-151.32	-153.6	-84.0	175.1					
100.0	100.0	100.0	100.0	0.1	0.1	-151.32	-153.6	-84.0	175.1	174.8	0.27	643.003		
200.0	200.0	200.0	200.0	0.3	0.3	-151.32	-153.6	-84.0	175.1	174.5	0.62	281.765	CC, ES	
300.0	300.0	300.0	300.0	0.5	0.5	-151.11	-153.6	-84.0	177.4	176.4	0.97	182.520		
400.0	399.6	400.0	400.0	0.7	0.7	-153.01	-154.7	-81.6	184.2	182.8	1.33	138.009		
500.0	498.8	498.4	498.1	1.0	0.9	-156.84	-157.8	-74.6	196.0	194.3	1.73	113.463		
600.0	597.1	594.1	593.0	1.4	1.1	-161.86	-162.9	-63.4	214.1	212.0	2.16	99.261		
700.0	694.3	686.1	683.5	1.8	1.4	-167.31	-169.6	-48.5	239.7	237.1	2.61	91.768		
800.0	790.2	773.7	768.9	2.3	1.8	-172.61	-177.6	-30.7	273.5	270.4	3.07	88.949	SF	
900.0	884.4	856.3	848.4	3.0	2.2	-177.42	-186.6	-10.7	315.6	312.1	3.53	89.330		
1,000.0	976.8	933.3	921.8	3.7	2.7	178.35	-196.3	10.9	365.8	361.8	3.98	91.790		
1,100.0	1,067.1	1,000.0	984.4	4.4	3.1	174.91	-205.6	31.7	423.3	418.9	4.41	96.054		
1,200.0	1,154.9	1,070.2	1,049.5	5.3	3.6	171.48	-216.5	55.7	487.4	482.5	4.90	99.434		
1,300.0	1,240.2	1,130.0	1,104.1	6.3	4.1	168.61	-226.4	77.9	557.5	552.1	5.38	103.565		
1,400.0	1,322.6	1,183.9	1,152.7	7.3	4.5	165.96	-236.0	99.2	632.8	626.9	5.89	107.475		
1,500.0	1,401.9	1,232.4	1,195.8	8.4	5.0	163.41	-245.1	119.4	712.5	706.1	6.43	110.750		
1,600.0	1,477.9	1,275.5	1,233.6	9.5	5.4	160.85	-253.6	138.3	796.2	789.2	7.03	113.255		
1,700.0	1,550.6	1,313.5	1,266.6	10.8	5.8	158.58	-261.4	155.5	883.2	875.5	7.70	114.691		
1,800.0	1,622.1	1,348.9	1,296.9	12.0	6.1	157.86	-268.8	172.1	971.6	963.2	8.41	115.523		
1,900.0	1,693.6	1,382.5	1,325.4	13.2	6.5	157.21	-276.1	188.3	1,060.5	1,051.4	9.13	116.200		
2,000.0	1,765.1	1,414.5	1,352.3	14.4	6.8	156.62	-283.3	204.2	1,150.0	1,140.2	9.86	116.691		
2,100.0	1,836.6	1,445.0	1,377.6	15.7	7.2	156.07	-290.3	219.7	1,240.0	1,229.4	10.60	117.032		
2,200.0	1,908.1	1,474.1	1,401.6	16.9	7.5	155.56	-297.1	234.9	1,330.5	1,319.2	11.34	117.336		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF14D-30 I25 596 - OH - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	Warning
0.0	0.0	0.0	0.0	0.0	0.0	-149.31	-166.8	-99.0	194.0				
100.0	100.0	100.0	100.0	0.1	0.1	-149.31	-166.8	-99.0	194.0	193.7	0.27	712.510	
200.0	200.0	200.0	200.0	0.3	0.3	-149.31	-166.8	-99.0	194.0	193.4	0.62	312.224	CC, ES
300.0	300.0	299.2	299.2	0.5	0.5	-149.26	-167.2	-98.5	196.3	195.4	0.97	202.168	
400.0	399.6	396.7	396.5	0.7	0.7	-151.64	-170.4	-94.6	204.1	202.7	1.34	152.172	
500.0	498.8	492.0	491.4	1.0	0.9	-155.54	-176.5	-87.1	218.1	216.4	1.75	124.615	
600.0	597.1	584.0	582.3	1.4	1.2	-160.26	-185.1	-76.4	239.7	237.5	2.19	109.299	
700.0	694.3	671.8	668.3	1.8	1.5	-165.14	-196.0	-62.9	269.6	267.0	2.65	101.932	
800.0	790.2	754.5	748.6	2.3	1.9	-169.73	-208.5	-47.5	308.3	305.2	3.08	100.001	SF
900.0	884.4	831.6	822.7	3.0	2.3	-173.80	-222.1	-30.7	355.6	352.1	3.49	101.841	
1,000.0	976.8	900.0	887.5	3.7	2.7	-177.18	-235.7	-13.8	410.8	406.9	3.85	106.635	
1,100.0	1,067.1	967.9	951.1	4.4	3.2	179.66	-250.7	4.7	473.3	469.1	4.22	112.190	
1,200.0	1,154.9	1,026.9	1,005.6	5.3	3.6	177.04	-264.8	22.2	542.2	537.7	4.54	119.348	
1,300.0	1,240.2	1,079.8	1,053.9	6.3	4.0	174.72	-278.4	39.0	616.8	611.9	4.85	127.144	
1,400.0	1,322.6	1,126.8	1,096.3	7.3	4.4	172.59	-291.1	54.8	696.3	691.1	5.16	135.061	
1,500.0	1,401.9	1,168.1	1,133.2	8.4	4.8	170.54	-302.9	69.3	780.0	774.5	5.47	142.661	
1,600.0	1,477.9	1,200.0	1,161.3	9.5	5.0	168.59	-312.3	81.0	867.3	861.5	5.78	149.994	
1,700.0	1,550.6	1,235.1	1,192.0	10.8	5.4	166.58	-323.0	94.2	957.6	951.4	6.22	153.961	
1,800.0	1,622.1	1,263.5	1,216.6	12.0	5.6	165.88	-331.9	105.2	1,049.1	1,042.4	6.71	156.286	
1,900.0	1,693.6	1,300.0	1,247.9	13.2	6.0	165.03	-343.7	119.9	1,141.1	1,133.9	7.27	156.961	
2,000.0	1,765.1	1,300.0	1,247.9	14.4	6.0	165.03	-343.7	119.9	1,233.7	1,226.0	7.63	161.699	
2,100.0	1,836.6	1,339.9	1,281.7	15.7	6.4	164.19	-357.1	136.3	1,326.3	1,318.1	8.25	160.695	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF15C-30 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		+N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
0.0	0.0	0.0	0.0	0.0	0.0	-150.26	-160.2	-91.5	184.5					
100.0	100.0	100.0	100.0	0.1	0.1	-150.26	-160.2	-91.5	184.5	184.2	0.27	677.658		
200.0	200.0	200.0	200.0	0.3	0.3	-150.26	-160.2	-91.5	184.5	183.9	0.62	296.952 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	-150.09	-160.3	-91.4	186.8	185.8	0.97	192.224		
400.0	399.6	398.6	398.5	0.7	0.7	-152.27	-162.3	-88.1	193.9	192.6	1.34	145.098		
500.0	498.8	495.3	494.8	1.0	0.9	-156.16	-167.0	-80.8	206.9	205.1	1.74	119.072		
600.0	597.1	589.1	587.7	1.4	1.2	-161.05	-174.0	-69.7	226.8	224.6	2.17	104.319		
700.0	694.3	678.8	675.8	1.8	1.5	-166.22	-183.0	-55.6	254.7	252.1	2.63	96.933		
800.0	790.2	763.7	758.4	2.3	1.9	-171.14	-193.5	-39.0	291.2	288.1	3.08	94.647 SF		
900.0	884.4	843.3	835.0	3.0	2.3	-175.55	-205.1	-20.6	336.2	332.7	3.51	95.884		
1,000.0	976.8	917.2	905.1	3.7	2.7	-179.39	-217.4	-1.1	389.2	385.3	3.91	99.519		
1,100.0	1,067.1	985.1	968.8	4.4	3.1	177.29	-230.0	18.7	449.5	445.2	4.30	104.498		
1,200.0	1,154.9	1,046.9	1,026.1	5.3	3.6	174.40	-242.5	38.5	516.4	511.7	4.69	110.171		
1,300.0	1,240.2	1,100.0	1,074.6	6.3	4.0	171.93	-254.0	56.7	589.1	584.0	5.05	116.748		
1,400.0	1,322.6	1,152.8	1,122.2	7.3	4.4	169.46	-266.2	76.0	666.8	661.3	5.46	122.189		
1,500.0	1,401.9	1,200.0	1,164.3	8.4	4.9	167.08	-277.7	94.1	748.9	743.0	5.88	127.357		
1,600.0	1,477.9	1,236.2	1,196.2	9.5	5.2	164.84	-286.9	108.6	834.7	828.3	6.33	131.909		
1,700.0	1,550.6	1,270.2	1,225.8	10.8	5.5	162.76	-295.8	122.7	923.6	916.8	6.86	134.621		
1,800.0	1,622.1	1,300.0	1,251.5	12.0	5.8	162.09	-303.8	135.4	1,013.9	1,006.4	7.44	136.338		
1,900.0	1,693.6	1,331.2	1,278.2	13.2	6.1	161.44	-312.5	149.0	1,104.6	1,096.6	8.05	137.218		
2,000.0	1,765.1	1,359.4	1,302.1	14.4	6.4	160.87	-320.5	161.7	1,195.8	1,187.2	8.66	138.083		
2,100.0	1,836.6	1,400.0	1,336.1	15.7	6.9	160.10	-332.4	180.4	1,287.6	1,278.3	9.37	137.466		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16C-24 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	48.58	6.6	7.5	10.0					
100.0	100.0	100.0	100.0	0.1	0.1	48.58	6.6	7.5	10.0	9.7	0.27	36.721		
134.9	134.9	134.9	134.9	0.2	0.2	48.58	6.6	7.5	10.0	9.6	0.39	25.359 CC, ES		
200.0	200.0	199.8	199.8	0.3	0.3	45.88	7.3	7.5	10.4	9.8	0.62	16.792		
300.0	300.0	299.3	299.2	0.5	0.5	37.70	12.5	7.4	12.4	11.4	0.98	12.595		
400.0	399.6	398.7	398.0	0.7	0.8	31.45	22.8	7.3	14.5	13.1	1.36	10.638		
500.0	498.8	498.0	496.1	1.0	1.1	26.88	38.2	7.2	16.7	14.9	1.76	9.507		
600.0	597.1	597.1	593.1	1.4	1.5	23.43	58.7	6.9	18.9	16.8	2.16	8.770		
700.0	694.3	696.1	688.7	1.8	2.0	20.76	84.2	6.6	21.2	18.6	2.57	8.248		
800.0	790.2	795.0	782.8	2.3	2.5	18.65	114.5	6.3	23.4	20.5	2.98	7.854		
900.0	884.4	893.8	875.1	3.0	3.2	16.94	149.6	5.9	25.6	22.2	3.40	7.543		
1,000.0	976.8	992.4	965.4	3.7	3.9	15.53	189.4	5.5	27.8	24.0	3.82	7.286		
1,100.0	1,067.1	1,091.0	1,053.4	4.4	4.8	14.35	233.8	5.0	29.9	25.7	4.23	7.065		
1,200.0	1,154.9	1,189.4	1,138.8	5.3	5.6	13.36	282.5	4.5	31.9	27.3	4.65	6.871		
1,300.0	1,240.2	1,287.7	1,221.6	6.3	6.6	12.51	335.6	3.9	33.9	28.8	5.06	6.696		
1,400.0	1,322.6	1,386.0	1,301.5	7.3	7.6	11.78	392.7	3.3	35.8	30.3	5.48	6.533		
1,500.0	1,401.9	1,484.1	1,378.2	8.4	8.7	11.14	453.9	2.6	37.6	31.7	5.89	6.380		
1,600.0	1,477.9	1,582.1	1,451.6	9.5	9.9	10.59	518.8	1.9	39.3	33.0	6.30	6.234		
1,700.0	1,550.6	1,680.1	1,521.6	10.8	11.1	10.08	587.4	1.1	41.0	34.3	6.71	6.105		
1,800.0	1,622.1	1,779.8	1,590.6	12.0	12.4	9.27	659.4	0.3	44.2	37.1	7.09	6.236		
1,900.0	1,693.6	1,879.7	1,659.7	13.2	13.7	8.56	731.6	-0.5	47.5	40.0	7.46	6.368		
2,000.0	1,765.1	1,979.7	1,728.8	14.4	14.9	7.95	803.8	-1.2	50.8	43.0	7.82	6.495		
2,100.0	1,836.6	2,079.6	1,797.9	15.7	16.2	7.41	876.0	-2.0	54.1	45.9	8.18	6.615		
2,200.0	1,908.1	2,179.6	1,867.0	16.9	17.5	6.93	948.2	-2.8	57.4	48.9	8.53	6.728		
2,300.0	1,979.7	2,279.5	1,936.1	18.1	18.7	6.50	1,020.4	-3.6	60.7	51.8	8.88	6.834		
2,400.0	2,051.2	2,379.5	2,005.2	19.4	20.0	6.12	1,092.6	-4.4	64.0	54.8	9.23	6.934		
2,500.0	2,122.7	2,479.4	2,074.3	20.6	21.3	5.78	1,164.8	-5.2	67.3	57.7	9.58	7.028		
2,600.0	2,194.2	2,579.4	2,143.4	21.8	22.5	5.47	1,237.0	-6.0	70.6	60.7	9.93	7.116		
2,700.0	2,265.7	2,679.3	2,212.5	23.0	23.8	5.18	1,309.2	-6.8	74.0	63.7	10.28	7.198		
2,800.0	2,337.2	2,779.2	2,281.6	24.3	25.1	4.92	1,381.4	-7.6	77.3	66.7	10.62	7.275		
2,900.0	2,408.8	2,879.2	2,350.7	25.5	26.3	4.68	1,453.6	-8.4	80.6	69.6	10.97	7.347		
3,000.0	2,480.3	2,979.1	2,419.8	26.7	27.6	4.47	1,525.8	-9.2	83.9	72.6	11.32	7.414		
3,100.0	2,551.8	3,079.1	2,488.9	28.0	28.9	4.26	1,598.0	-10.0	87.2	75.6	11.67	7.478		
3,200.0	2,623.3	3,179.0	2,558.1	29.2	30.2	4.07	1,670.2	-10.7	90.6	78.5	12.01	7.537		
3,300.0	2,694.8	3,279.0	2,627.2	30.4	31.4	3.90	1,742.4	-11.5	93.9	81.5	12.36	7.593		
3,400.0	2,766.3	3,378.9	2,696.3	31.7	32.7	3.74	1,814.6	-12.3	97.2	84.5	12.71	7.646		
3,500.0	2,837.9	3,478.9	2,765.4	32.9	34.0	3.59	1,886.8	-13.1	100.5	87.5	13.06	7.695		
3,600.0	2,909.4	3,578.8	2,834.5	34.1	35.2	3.44	1,959.0	-13.9	103.9	90.4	13.42	7.742		
3,700.0	2,980.9	3,678.7	2,903.6	35.4	36.5	3.31	2,031.2	-14.7	107.2	93.4	13.77	7.785		
3,800.0	3,052.4	3,778.7	2,972.7	36.6	37.8	3.18	2,103.4	-15.5	110.5	96.4	14.12	7.827		
3,900.0	3,123.9	3,878.6	3,041.8	37.8	39.1	3.07	2,175.5	-16.3	113.8	99.4	14.47	7.866		
4,000.0	3,195.4	3,978.6	3,110.9	39.0	40.3	2.96	2,247.7	-17.1	117.2	102.3	14.83	7.903		
4,100.0	3,267.0	4,078.5	3,180.0	40.3	41.6	2.85	2,319.9	-17.9	120.5	105.3	15.18	7.938		
4,200.0	3,338.5	4,178.5	3,249.1	41.5	42.9	2.75	2,392.1	-18.7	123.8	108.3	15.53	7.971		
4,300.0	3,410.0	4,278.4	3,318.2	42.7	44.1	2.66	2,464.3	-19.5	127.1	111.3	15.89	8.002		
4,400.0	3,481.5	4,378.4	3,387.3	44.0	45.4	2.57	2,536.5	-20.2	130.5	114.2	16.24	8.032		
4,500.0	3,553.0	4,478.3	3,456.5	45.2	46.7	2.48	2,608.7	-21.0	133.8	117.2	16.60	8.060		
4,600.0	3,624.5	4,578.2	3,525.6	46.4	48.0	2.40	2,680.9	-21.8	137.1	120.2	16.96	8.087		
4,700.0	3,696.1	4,678.2	3,594.7	47.7	49.2	2.32	2,753.1	-22.6	140.5	123.1	17.31	8.113		
4,800.0	3,767.6	4,778.1	3,663.8	48.9	50.5	2.25	2,825.3	-23.4	143.8	126.1	17.67	8.137		
4,900.0	3,839.1	4,878.1	3,732.9	50.1	51.8	2.18	2,897.5	-24.2	147.1	129.1	18.03	8.160		
5,000.0	3,910.6	4,978.0	3,802.0	51.4	53.0	2.11	2,969.7	-25.0	150.5	132.1	18.39	8.182		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16C-24 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,100.0	3,982.1	5,078.0	3,871.1	52.6	54.3	2.05	3,041.9	-25.8	153.8	135.0	18.75	8.204		
5,200.0	4,053.6	5,177.9	3,940.2	53.8	55.6	1.99	3,114.1	-26.6	157.1	138.0	19.11	8.224		
5,300.0	4,125.2	5,277.9	4,009.3	55.1	56.9	1.93	3,186.3	-27.4	160.4	141.0	19.46	8.243		
5,400.0	4,198.1	5,377.7	4,078.4	56.2	58.1	1.85	3,258.4	-28.2	165.8	146.0	19.87	8.348		
5,500.0	4,274.5	5,484.8	4,153.8	57.3	59.4	1.74	3,334.5	-29.0	174.7	154.5	20.24	8.635		
5,600.0	4,354.2	5,594.8	4,235.3	58.4	60.7	1.65	3,408.2	-29.8	183.3	162.7	20.58	8.907		
5,700.0	4,436.9	5,705.3	4,321.5	59.3	61.9	1.56	3,477.4	-30.6	191.3	170.4	20.88	9.160		
5,800.0	4,522.4	5,816.3	4,411.9	60.2	63.0	1.49	3,541.8	-31.3	198.8	177.6	21.16	9.395		
5,900.0	4,610.6	5,927.9	4,506.4	61.0	64.0	1.43	3,601.1	-31.9	205.6	184.2	21.39	9.612		
6,000.0	4,701.1	6,040.0	4,604.6	61.7	64.9	1.38	3,655.0	-32.5	211.9	190.3	21.59	9.811		
6,100.0	4,793.7	6,152.5	4,706.3	62.4	65.7	1.33	3,703.2	-33.0	217.5	195.7	21.76	9.994		
6,200.0	4,888.1	6,265.3	4,810.9	62.9	66.4	1.29	3,745.5	-33.5	222.4	200.5	21.89	10.159		
6,300.0	4,984.1	6,378.6	4,918.2	63.4	67.0	1.26	3,781.6	-33.9	226.7	204.7	21.99	10.307		
6,400.0	5,081.5	6,492.1	5,027.7	63.8	67.5	1.24	3,811.4	-34.2	230.2	208.2	22.06	10.436		
6,500.0	5,179.9	6,605.8	5,139.0	64.1	67.9	1.22	3,834.7	-34.5	233.1	211.0	22.10	10.547		
6,600.0	5,279.1	6,719.8	5,251.7	64.3	68.2	1.20	3,851.3	-34.7	235.2	213.1	22.11	10.637		
6,700.0	5,378.8	6,833.9	5,365.4	64.4	68.3	1.20	3,861.2	-34.8	236.6	214.5	22.10	10.707		
6,800.0	5,478.8	6,947.4	5,478.8	64.4	68.4	121.03	3,864.3	-34.8	237.2	215.1	22.11	10.730		
6,900.0	5,578.8	7,047.9	5,579.4	64.4	68.4	121.04	3,864.2	-35.0	237.2	214.8	22.47	10.558		
7,000.0	5,678.8	7,148.0	5,679.5	64.5	68.5	121.04	3,863.9	-35.5	237.2	214.4	22.85	10.385		
7,100.0	5,778.8	7,248.0	5,779.5	64.5	68.5	121.04	3,863.6	-36.0	237.2	214.0	23.22	10.216		
7,200.0	5,878.8	7,348.0	5,879.5	64.5	68.5	121.04	3,863.3	-36.5	237.2	213.6	23.60	10.053		
7,300.0	5,978.8	7,448.0	5,979.5	64.5	68.5	121.04	3,863.0	-37.0	237.2	213.3	23.98	9.895		
7,400.0	6,078.8	7,548.0	6,079.5	64.6	68.6	121.04	3,862.7	-37.5	237.2	212.9	24.35	9.743		
7,500.0	6,178.8	7,648.0	6,179.5	64.6	68.6	121.04	3,862.5	-38.0	237.2	212.5	24.72	9.595		
7,600.0	6,278.8	7,748.0	6,279.5	64.6	68.6	121.04	3,862.2	-38.5	237.2	212.1	25.10	9.453		
7,700.0	6,378.8	7,848.0	6,379.5	64.7	68.7	121.04	3,861.9	-39.0	237.2	211.8	25.47	9.314		
7,800.0	6,478.8	7,948.0	6,479.5	64.7	68.7	121.04	3,861.6	-39.5	237.2	211.4	25.84	9.180		
7,900.0	6,578.8	8,048.0	6,579.5	64.7	68.7	121.04	3,861.3	-40.0	237.2	211.0	26.22	9.050		
8,000.0	6,678.8	8,148.0	6,679.5	64.8	68.7	121.04	3,861.0	-40.5	237.2	210.7	26.59	8.924		
8,100.0	6,778.8	8,248.0	6,779.5	64.8	68.8	121.04	3,860.7	-41.0	237.3	210.3	26.96	8.801		
8,200.0	6,878.8	8,348.0	6,879.5	64.8	68.8	121.04	3,860.4	-41.5	237.3	209.9	27.33	8.682		
8,300.0	6,978.8	8,448.0	6,979.5	64.9	68.8	121.03	3,860.1	-42.0	237.3	209.6	27.70	8.566		
8,400.0	7,078.8	8,548.0	7,079.5	64.9	68.9	121.03	3,859.8	-42.4	237.3	209.2	28.07	8.454		
8,500.0	7,178.8	8,648.0	7,179.5	64.9	68.9	121.03	3,859.6	-42.9	237.3	208.8	28.43	8.344		
8,600.0	7,278.8	8,748.0	7,279.5	65.0	68.9	121.03	3,859.3	-43.4	237.3	208.5	28.80	8.237		
8,700.0	7,378.8	8,848.0	7,379.5	65.0	69.0	121.03	3,859.0	-43.9	237.3	208.1	29.17	8.134		
8,800.0	7,478.8	8,948.0	7,479.5	65.0	69.0	121.03	3,858.7	-44.4	237.3	207.7	29.54	8.033		
8,900.0	7,578.8	9,048.0	7,579.5	65.1	69.0	121.03	3,858.4	-44.9	237.3	207.4	29.90	7.934		
9,000.0	7,678.8	9,148.0	7,679.5	65.1	69.1	121.03	3,858.1	-45.4	237.3	207.0	30.27	7.838		
9,100.0	7,778.8	9,248.0	7,779.5	65.1	69.1	121.03	3,857.8	-45.9	237.3	206.6	30.63	7.745		
9,200.0	7,878.8	9,348.0	7,879.5	65.2	69.2	121.03	3,857.5	-46.4	237.3	206.3	31.00	7.653		
9,300.0	7,978.8	9,448.0	7,979.5	65.2	69.2	121.03	3,857.2	-46.9	237.3	205.9	31.37	7.564		
9,400.0	8,078.7	9,548.0	8,079.4	65.3	69.2	121.03	3,856.9	-47.4	237.3	205.5	31.73	7.477		
9,500.0	8,178.7	9,648.0	8,179.4	65.3	69.3	121.03	3,856.6	-47.9	237.3	205.2	32.09	7.392		
9,600.0	8,278.7	9,748.0	8,279.4	65.3	69.3	121.03	3,856.4	-48.4	237.3	204.8	32.46	7.310		
9,700.0	8,378.7	9,848.0	8,379.4	65.4	69.3	121.03	3,856.1	-48.9	237.3	204.4	32.82	7.229		
9,800.0	8,478.7	9,948.0	8,479.4	65.4	69.4	121.03	3,855.8	-49.4	237.3	204.1	33.19	7.149		
9,900.0	8,578.7	10,048.0	8,579.4	65.5	69.4	121.03	3,855.5	-49.9	237.3	203.7	33.55	7.072		
10,000.0	8,678.7	10,148.0	8,679.4	65.5	69.5	121.03	3,855.2	-50.4	237.3	203.3	33.91	6.996		
10,100.0	8,778.7	10,248.0	8,779.4	65.5	69.5	121.03	3,854.9	-50.9	237.3	203.0	34.27	6.922		
10,200.0	8,878.7	10,348.0	8,879.4	65.6	69.5	121.03	3,854.6	-51.4	237.3	202.6	34.64	6.850		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16C-24 I25 596 - OH - Plan #1													Offset Site Error: 0.0 ft	
Survey Program: 0-MWD													Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
10,300.0	8,978.7	10,448.0	8,979.4	65.6	69.6	121.03	3,854.3	-51.9	237.3	202.3	35.00	6.779		
10,400.0	9,078.7	10,548.0	9,079.4	65.7	69.6	121.03	3,854.0	-52.4	237.3	201.9	35.36	6.710		
10,500.0	9,178.7	10,648.0	9,179.4	65.7	69.7	121.03	3,853.7	-52.9	237.3	201.5	35.72	6.642		
10,600.0	9,278.7	10,748.0	9,279.4	65.8	69.7	121.03	3,853.5	-53.4	237.3	201.2	36.08	6.575		
10,700.0	9,378.7	10,848.0	9,379.4	65.8	69.7	121.03	3,853.2	-53.9	237.3	200.8	36.44	6.510		
10,800.0	9,478.7	10,948.0	9,479.4	65.9	69.8	121.03	3,852.9	-54.4	237.3	200.5	36.80	6.446		
10,900.0	9,578.7	11,048.0	9,579.4	65.9	69.8	121.03	3,852.6	-54.9	237.3	200.1	37.17	6.384		
11,000.0	9,678.7	11,148.0	9,679.4	65.9	69.9	121.03	3,852.3	-55.4	237.3	199.7	37.53	6.323		
11,100.0	9,778.7	11,248.0	9,779.4	66.0	69.9	121.03	3,852.0	-55.8	237.3	199.4	37.89	6.263		
11,200.0	9,878.7	11,348.0	9,879.4	66.0	70.0	121.03	3,851.7	-56.3	237.3	199.0	38.25	6.204		
11,300.0	9,978.7	11,448.0	9,979.4	66.1	70.0	121.03	3,851.4	-56.8	237.3	198.7	38.61	6.146		
11,400.0	10,078.7	11,548.0	10,079.4	66.1	70.1	121.03	3,851.1	-57.3	237.3	198.3	38.97	6.089		
11,500.0	10,178.7	11,648.0	10,179.4	66.2	70.1	121.02	3,850.8	-57.8	237.3	197.9	39.33	6.033		
11,589.3	10,268.0	11,737.3	10,268.7	66.2	70.1	121.02	3,850.6	-58.3	237.3	197.6	39.65	5.985 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16E-24 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	-131.44	-6.6	-7.5	10.0					
100.0	100.0	100.0	100.0	0.1	0.1	-131.44	-6.6	-7.5	10.0	9.7	0.27	36.730		
200.0	200.0	200.0	200.0	0.3	0.3	-131.44	-6.6	-7.5	10.0	9.4	0.62	16.095 CC, ES		
300.0	300.0	300.2	300.2	0.5	0.5	-138.33	-6.0	-7.5	11.4	10.4	0.97	11.680		
400.0	399.6	400.7	400.5	0.7	0.7	-145.71	-0.7	-7.6	13.4	12.1	1.34	10.004		
500.0	498.8	501.3	500.6	1.0	0.9	-151.03	9.9	-7.7	15.6	13.9	1.73	9.041		
600.0	597.1	602.0	600.1	1.4	1.2	-154.97	25.7	-7.8	17.9	15.7	2.13	8.410		
700.0	694.3	702.9	698.7	1.8	1.6	-157.96	46.8	-8.0	20.2	17.6	2.53	7.960		
800.0	790.2	804.0	796.2	2.3	2.1	-160.31	73.2	-8.3	22.4	19.5	2.94	7.618		
900.0	884.4	905.1	892.3	3.0	2.7	-162.18	104.6	-8.6	24.7	21.3	3.36	7.344		
1,000.0	976.8	1,006.4	986.8	3.7	3.4	-163.69	141.2	-9.0	26.9	23.1	3.78	7.114		
1,100.0	1,067.1	1,107.8	1,079.2	4.4	4.1	-164.94	182.8	-9.4	29.1	24.9	4.20	6.914		
1,200.0	1,154.9	1,209.3	1,169.5	5.3	5.0	-165.99	229.3	-9.9	31.2	26.5	4.63	6.735		
1,300.0	1,240.2	1,311.0	1,257.2	6.3	5.9	-166.87	280.6	-10.4	33.2	28.1	5.05	6.569		
1,400.0	1,322.6	1,412.7	1,342.2	7.3	6.9	-167.62	336.5	-11.0	35.1	29.7	5.48	6.413		
1,500.0	1,401.9	1,514.6	1,424.2	8.4	8.0	-168.26	396.9	-11.6	37.0	31.1	5.91	6.263		
1,600.0	1,477.9	1,616.6	1,502.9	9.5	9.2	-168.81	461.8	-12.3	38.8	32.4	6.34	6.117 SF		
1,700.0	1,550.6	1,717.3	1,577.8	10.8	10.3	-169.51	529.0	-13.0	41.3	34.6	6.73	6.144		
1,800.0	1,622.1	1,817.2	1,651.9	12.0	11.5	-170.41	596.1	-13.6	45.1	38.0	7.10	6.361		
1,900.0	1,693.6	1,917.1	1,726.0	13.2	12.7	-171.17	663.1	-14.3	48.9	41.5	7.46	6.563		
2,000.0	1,765.1	2,017.1	1,800.1	14.4	13.9	-171.82	730.2	-15.0	52.7	44.9	7.81	6.750		
2,100.0	1,836.6	2,117.0	1,874.2	15.7	15.0	-172.38	797.2	-15.7	56.6	48.4	8.17	6.925		
2,200.0	1,908.1	2,216.9	1,948.3	16.9	16.2	-172.87	864.2	-16.4	60.4	51.9	8.52	7.086		
2,300.0	1,979.7	2,316.8	2,022.4	18.1	17.4	-173.30	931.3	-17.1	64.2	55.3	8.87	7.237		
2,400.0	2,051.2	2,416.8	2,096.5	19.4	18.6	-173.68	998.3	-17.7	68.0	58.8	9.22	7.376		
2,500.0	2,122.7	2,516.7	2,170.6	20.6	19.8	-174.03	1,065.3	-18.4	71.8	62.3	9.57	7.506		
2,600.0	2,194.2	2,616.6	2,244.7	21.8	20.9	-174.33	1,132.4	-19.1	75.7	65.8	9.92	7.627		
2,700.0	2,265.7	2,716.5	2,318.8	23.0	22.1	-174.61	1,199.4	-19.8	79.5	69.2	10.27	7.740		
2,800.0	2,337.2	2,816.5	2,392.9	24.3	23.3	-174.86	1,266.5	-20.5	83.3	72.7	10.62	7.845		
2,900.0	2,408.8	2,916.4	2,467.0	25.5	24.5	-175.09	1,333.5	-21.2	87.2	76.2	10.98	7.943		
3,000.0	2,480.3	3,016.3	2,541.1	26.7	25.7	-175.31	1,400.5	-21.8	91.0	79.7	11.33	8.035		
3,100.0	2,551.8	3,116.2	2,615.2	28.0	26.8	-175.50	1,467.6	-22.5	94.8	83.2	11.68	8.121		
3,200.0	2,623.3	3,216.2	2,689.3	29.2	28.0	-175.68	1,534.6	-23.2	98.7	86.7	12.03	8.202		
3,300.0	2,694.8	3,316.1	2,763.4	30.4	29.2	-175.84	1,601.6	-23.9	102.5	90.1	12.39	8.278		
3,400.0	2,766.3	3,416.0	2,837.5	31.7	30.4	-176.00	1,668.7	-24.6	106.4	93.6	12.74	8.349		
3,500.0	2,837.9	3,515.9	2,911.6	32.9	31.6	-176.14	1,735.7	-25.3	110.2	97.1	13.09	8.417		
3,600.0	2,909.4	3,615.9	2,985.7	34.1	32.8	-176.27	1,802.7	-25.9	114.0	100.6	13.45	8.480		
3,700.0	2,980.9	3,715.8	3,059.8	35.4	33.9	-176.40	1,869.8	-26.6	117.9	104.1	13.80	8.540		
3,800.0	3,052.4	3,815.7	3,133.9	36.6	35.1	-176.51	1,936.8	-27.3	121.7	107.6	14.16	8.597		
3,900.0	3,123.9	3,915.6	3,208.0	37.8	36.3	-176.62	2,003.9	-28.0	125.6	111.1	14.52	8.651		
4,000.0	3,195.4	4,015.6	3,282.1	39.0	37.5	-176.73	2,070.9	-28.7	129.4	114.5	14.87	8.702		
4,100.0	3,267.0	4,115.5	3,356.2	40.3	38.7	-176.82	2,137.9	-29.4	133.3	118.0	15.23	8.750		
4,200.0	3,338.5	4,215.4	3,430.3	41.5	39.8	-176.91	2,205.0	-30.0	137.1	121.5	15.59	8.796		
4,300.0	3,410.0	4,315.3	3,504.4	42.7	41.0	-177.00	2,272.0	-30.7	141.0	125.0	15.95	8.839		
4,400.0	3,481.5	4,415.3	3,578.5	44.0	42.2	-177.08	2,339.0	-31.4	144.8	128.5	16.30	8.881		
4,500.0	3,553.0	4,515.2	3,652.6	45.2	43.4	-177.16	2,406.1	-32.1	148.6	132.0	16.66	8.921		
4,600.0	3,624.5	4,615.1	3,726.7	46.4	44.6	-177.23	2,473.1	-32.8	152.5	135.5	17.02	8.958		
4,700.0	3,696.1	4,715.1	3,800.8	47.7	45.8	-177.31	2,540.2	-33.5	156.3	139.0	17.38	8.994		
4,800.0	3,767.6	4,815.0	3,874.9	48.9	46.9	-177.37	2,607.2	-34.2	160.2	142.4	17.74	9.029		
4,900.0	3,839.1	4,914.9	3,949.0	50.1	48.1	-177.44	2,674.2	-34.8	164.0	145.9	18.10	9.062		
5,000.0	3,910.6	5,014.8	4,023.1	51.4	49.3	-177.50	2,741.3	-35.5	167.9	149.4	18.46	9.093		
5,100.0	3,982.1	5,114.8	4,097.2	52.6	50.5	-177.55	2,808.3	-36.2	171.7	152.9	18.82	9.123		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16E-24 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	4,053.6	5,214.7	4,171.3	53.8	51.7	-177.61	2,875.3	-36.9	175.6	156.4	19.18	9.152		
5,300.0	4,125.2	5,307.0	4,240.9	55.1	52.7	-177.68	2,936.0	-37.5	181.3	161.8	19.52	9.287		
5,400.0	4,198.1	5,400.0	4,313.9	56.2	53.7	-177.79	2,993.6	-38.1	189.7	169.8	19.91	9.528		
5,500.0	4,274.5	5,488.3	4,385.7	57.3	54.6	-177.88	3,045.0	-38.6	197.6	177.3	20.27	9.749		
5,600.0	4,354.2	5,578.5	4,461.4	58.4	55.4	-177.96	3,094.0	-39.1	205.0	184.4	20.60	9.954		
5,700.0	4,436.9	5,668.5	4,539.1	59.3	56.2	-178.02	3,139.3	-39.6	211.9	191.1	20.89	10.144		
5,800.0	4,522.4	5,758.2	4,618.7	60.2	56.9	-178.08	3,180.7	-40.0	218.3	197.2	21.15	10.322		
5,900.0	4,610.6	5,847.6	4,699.9	61.0	57.5	-178.13	3,218.3	-40.4	224.2	202.8	21.38	10.486		
6,000.0	4,701.1	5,936.9	4,782.5	61.7	58.1	-178.18	3,251.9	-40.7	229.5	207.9	21.57	10.640		
6,100.0	4,793.7	6,026.0	4,866.5	62.4	58.6	-178.22	3,281.6	-41.0	234.2	212.4	21.72	10.782		
6,200.0	4,888.1	6,114.9	4,951.6	62.9	59.0	-178.25	3,307.3	-41.3	238.3	216.5	21.84	10.913		
6,300.0	4,984.1	6,200.0	5,034.1	63.4	59.4	-178.27	3,328.2	-41.5	241.9	220.0	21.92	11.038		
6,400.0	5,081.5	6,292.3	5,124.6	63.8	59.7	-178.30	3,346.6	-41.7	244.8	222.9	21.97	11.142		
6,500.0	5,179.9	6,380.9	5,212.1	64.1	59.9	-178.31	3,360.2	-41.8	247.2	225.2	21.99	11.239		
6,600.0	5,279.1	6,469.4	5,300.1	64.3	60.0	-178.33	3,369.7	-41.9	249.0	227.0	21.99	11.324		
6,700.0	5,378.8	6,557.8	5,388.3	64.4	60.1	-178.33	3,375.1	-42.0	250.1	228.2	21.95	11.396		
6,800.0	5,478.8	6,648.2	5,478.7	64.4	60.2	-58.50	3,376.5	-42.0	250.7	228.7	21.94	11.425		
6,900.0	5,578.8	6,747.6	5,578.1	64.4	60.2	-58.49	3,376.3	-42.3	250.7	228.4	22.30	11.243		
7,000.0	5,678.8	6,847.5	5,678.0	64.5	60.2	-58.49	3,376.0	-42.7	250.7	228.0	22.67	11.060		
7,100.0	5,778.8	6,947.5	5,778.0	64.5	60.3	-58.49	3,375.7	-43.2	250.7	227.6	23.04	10.881		
7,200.0	5,878.8	7,047.5	5,878.0	64.5	60.3	-58.49	3,375.5	-43.7	250.7	227.3	23.41	10.708		
7,300.0	5,978.8	7,147.5	5,978.0	64.5	60.3	-58.49	3,375.2	-44.2	250.7	226.9	23.78	10.540		
7,400.0	6,078.8	7,247.5	6,078.0	64.6	60.3	-58.49	3,374.9	-44.7	250.7	226.5	24.15	10.378		
7,500.0	6,178.8	7,347.5	6,178.0	64.6	60.4	-58.49	3,374.6	-45.2	250.7	226.2	24.52	10.222		
7,600.0	6,278.8	7,447.5	6,278.0	64.6	60.4	-58.49	3,374.3	-45.7	250.7	225.8	24.89	10.070		
7,700.0	6,378.8	7,547.5	6,378.0	64.7	60.4	-58.49	3,374.0	-46.2	250.7	225.4	25.26	9.923		
7,800.0	6,478.8	7,647.5	6,478.0	64.7	60.5	-58.49	3,373.7	-46.7	250.7	225.1	25.63	9.780		
7,900.0	6,578.8	7,747.5	6,578.0	64.7	60.5	-58.49	3,373.4	-47.2	250.7	224.7	26.00	9.642		
8,000.0	6,678.8	7,847.5	6,678.0	64.8	60.5	-58.49	3,373.1	-47.7	250.7	224.3	26.37	9.507		
8,100.0	6,778.8	7,947.5	6,778.0	64.8	60.6	-58.49	3,372.8	-48.2	250.7	224.0	26.74	9.377		
8,200.0	6,878.8	8,047.5	6,878.0	64.8	60.6	-58.49	3,372.5	-48.7	250.7	223.6	27.10	9.250		
8,300.0	6,978.8	8,147.5	6,978.0	64.9	60.7	-58.49	3,372.3	-49.2	250.7	223.2	27.47	9.126		
8,400.0	7,078.8	8,247.5	7,078.0	64.9	60.7	-58.49	3,372.0	-49.7	250.7	222.9	27.83	9.006		
8,500.0	7,178.8	8,347.5	7,178.0	64.9	60.7	-58.49	3,371.7	-50.2	250.7	222.5	28.20	8.890		
8,600.0	7,278.8	8,447.5	7,278.0	65.0	60.8	-58.49	3,371.4	-50.6	250.7	222.1	28.56	8.776		
8,700.0	7,378.8	8,547.5	7,378.0	65.0	60.8	-58.50	3,371.1	-51.1	250.7	221.8	28.93	8.666		
8,800.0	7,478.8	8,647.5	7,478.0	65.0	60.8	-58.50	3,370.8	-51.6	250.7	221.4	29.29	8.558		
8,900.0	7,578.8	8,747.5	7,578.0	65.1	60.9	-58.50	3,370.5	-52.1	250.7	221.0	29.66	8.453		
9,000.0	7,678.8	8,847.5	7,678.0	65.1	60.9	-58.50	3,370.2	-52.6	250.7	220.7	30.02	8.351		
9,100.0	7,778.8	8,947.5	7,778.0	65.1	61.0	-58.50	3,369.9	-53.1	250.7	220.3	30.38	8.251		
9,200.0	7,878.8	9,047.5	7,878.0	65.2	61.0	-58.50	3,369.6	-53.6	250.7	219.9	30.75	8.153		
9,300.0	7,978.8	9,147.5	7,978.0	65.2	61.0	-58.50	3,369.3	-54.1	250.7	219.6	31.11	8.058		
9,400.0	8,078.7	9,247.5	8,078.0	65.3	61.1	-58.50	3,369.1	-54.6	250.7	219.2	31.47	7.966		
9,500.0	8,178.7	9,347.5	8,178.0	65.3	61.1	-58.50	3,368.8	-55.1	250.7	218.9	31.83	7.875		
9,600.0	8,278.7	9,447.5	8,278.0	65.3	61.2	-58.50	3,368.5	-55.6	250.7	218.5	32.20	7.787		
9,700.0	8,378.7	9,547.5	8,378.0	65.4	61.2	-58.50	3,368.2	-56.1	250.7	218.1	32.56	7.700		
9,800.0	8,478.7	9,647.5	8,478.0	65.4	61.2	-58.50	3,367.9	-56.6	250.7	217.8	32.92	7.616		
9,900.0	8,578.7	9,747.5	8,578.0	65.5	61.3	-58.50	3,367.6	-57.1	250.7	217.4	33.28	7.533		
10,000.0	8,678.7	9,847.5	8,678.0	65.5	61.3	-58.50	3,367.3	-57.6	250.7	217.0	33.64	7.452		
10,100.0	8,778.7	9,947.5	8,778.0	65.5	61.4	-58.50	3,367.0	-58.1	250.7	216.7	34.00	7.373		
10,200.0	8,878.7	10,047.5	8,878.0	65.6	61.4	-58.50	3,366.7	-58.5	250.7	216.3	34.36	7.296		
10,300.0	8,978.7	10,147.5	8,978.0	65.6	61.5	-58.50	3,366.4	-59.0	250.7	216.0	34.72	7.220		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16E-24 I25 596 - OH - Plan #1												Offset Site Error: 0.0 ft	
Survey Program: 0-MWD												Offset Well Error: 0.0 ft	
Reference		Offset		Semi Major Axis			Distance					Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis		Separation Factor
10,400.0	9,078.7	10,247.5	9,078.0	65.7	61.5	-58.50	3,366.1	-59.5	250.7	215.6	35.08	7.146	
10,500.0	9,178.7	10,347.5	9,178.0	65.7	61.6	-58.50	3,365.9	-60.0	250.7	215.3	35.44	7.074	
10,600.0	9,278.7	10,447.5	9,278.0	65.8	61.6	-58.50	3,365.6	-60.5	250.7	214.9	35.80	7.003	
10,700.0	9,378.7	10,547.5	9,378.0	65.8	61.7	-58.50	3,365.3	-61.0	250.7	214.5	36.16	6.933	
10,800.0	9,478.7	10,647.5	9,478.0	65.9	61.7	-58.50	3,365.0	-61.5	250.7	214.2	36.52	6.865	
10,900.0	9,578.7	10,747.5	9,578.0	65.9	61.7	-58.50	3,364.7	-62.0	250.7	213.8	36.88	6.798	
11,000.0	9,678.7	10,847.5	9,678.0	65.9	61.8	-58.50	3,364.4	-62.5	250.7	213.5	37.23	6.733	
11,100.0	9,778.7	10,947.5	9,778.0	66.0	61.8	-58.50	3,364.1	-63.0	250.7	213.1	37.59	6.669	
11,200.0	9,878.7	11,047.5	9,878.0	66.0	61.9	-58.50	3,363.8	-63.5	250.7	212.7	37.95	6.606	
11,300.0	9,978.7	11,147.5	9,978.0	66.1	61.9	-58.50	3,363.5	-64.0	250.7	212.4	38.31	6.544	
11,400.0	10,078.7	11,247.5	10,078.0	66.1	62.0	-58.50	3,363.2	-64.5	250.7	212.0	38.67	6.483	
11,500.0	10,178.7	11,347.5	10,178.0	66.2	62.0	-58.50	3,362.9	-65.0	250.7	211.7	39.03	6.424	
11,551.7	10,230.4	11,399.3	10,229.7	66.2	62.1	-58.50	3,362.8	-65.2	250.7	211.5	39.21	6.394	
11,589.3	10,268.0	11,430.6	10,261.0	66.2	62.1	-58.50	3,362.7	-65.4	250.8	211.4	39.33	6.376	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16F-24 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	-131.43	-13.2	-15.0	20.0					
100.0	100.0	100.0	100.0	0.1	0.1	-131.43	-13.2	-15.0	20.0	19.7	0.27	73.451		
200.0	200.0	200.0	200.0	0.3	0.3	-131.43	-13.2	-15.0	20.0	19.4	0.62	32.186 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-136.01	-13.2	-15.0	21.8	20.8	0.97	22.381		
400.0	399.6	400.8	400.7	0.7	0.7	-144.08	-10.6	-15.0	25.8	24.5	1.34	19.261		
500.0	498.8	501.9	501.5	1.0	0.9	-149.84	-2.6	-15.1	30.1	28.4	1.72	17.514		
600.0	597.1	603.3	602.0	1.4	1.2	-154.08	10.8	-15.2	34.7	32.5	2.12	16.380		
700.0	694.3	705.0	701.9	1.8	1.5	-157.28	29.5	-15.4	39.2	36.7	2.52	15.571		
800.0	790.2	806.9	801.0	2.3	2.0	-159.77	53.6	-15.7	43.8	40.9	2.93	14.954		
900.0	884.4	909.1	898.8	3.0	2.5	-161.74	83.1	-16.0	48.4	45.0	3.35	14.456		
1,000.0	976.8	1,011.6	995.2	3.7	3.1	-163.33	117.8	-16.4	52.8	49.1	3.77	14.035		
1,100.0	1,067.1	1,114.3	1,089.9	4.4	3.9	-164.63	157.8	-16.8	57.2	53.0	4.19	13.665		
1,200.0	1,154.9	1,217.3	1,182.5	5.3	4.7	-165.72	202.9	-17.2	61.5	56.9	4.61	13.330		
1,300.0	1,240.2	1,320.6	1,272.7	6.3	5.6	-166.63	253.0	-17.8	65.6	60.6	5.04	13.017		
1,400.0	1,322.6	1,424.1	1,360.3	7.3	6.6	-167.40	308.1	-18.3	69.6	64.1	5.47	12.719		
1,500.0	1,401.9	1,527.8	1,444.9	8.4	7.6	-168.05	368.0	-19.0	73.4	67.5	5.90	12.430		
1,600.0	1,477.9	1,631.7	1,526.4	9.5	8.8	-168.61	432.5	-19.6	77.0	70.6	6.34	12.147		
1,700.0	1,550.6	1,732.1	1,602.9	10.8	9.9	-169.33	497.5	-20.3	82.3	75.6	6.73	12.235		
1,800.0	1,622.1	1,831.9	1,678.9	12.0	11.1	-170.16	562.1	-21.0	89.1	82.0	7.11	12.537		
1,900.0	1,693.6	1,931.6	1,755.0	13.2	12.2	-170.86	626.6	-21.7	96.0	88.5	7.49	12.825		
2,000.0	1,765.1	2,031.4	1,831.0	14.4	13.3	-171.47	691.2	-22.3	102.9	95.0	7.86	13.098		
2,100.0	1,836.6	2,131.1	1,907.0	15.7	14.5	-172.01	755.8	-23.0	109.8	101.6	8.22	13.355		
2,200.0	1,908.1	2,230.9	1,983.0	16.9	15.6	-172.48	820.4	-23.7	116.7	108.1	8.58	13.596		
2,300.0	1,979.7	2,330.6	2,059.1	18.1	16.7	-172.90	885.0	-24.4	123.6	114.7	8.94	13.823		
2,400.0	2,051.2	2,430.4	2,135.1	19.4	17.9	-173.27	949.6	-25.0	130.5	121.2	9.30	14.035		
2,500.0	2,122.7	2,530.2	2,211.1	20.6	19.0	-173.61	1,014.2	-25.7	137.4	127.8	9.65	14.234		
2,600.0	2,194.2	2,629.9	2,287.1	21.8	20.1	-173.91	1,078.7	-26.4	144.4	134.3	10.01	14.421		
2,700.0	2,265.7	2,729.7	2,363.2	23.0	21.3	-174.19	1,143.3	-27.0	151.3	140.9	10.36	14.596		
2,800.0	2,337.2	2,829.4	2,439.2	24.3	22.4	-174.44	1,207.9	-27.7	158.2	147.5	10.72	14.760		
2,900.0	2,408.8	2,929.2	2,515.2	25.5	23.5	-174.67	1,272.5	-28.4	165.1	154.1	11.07	14.914		
3,000.0	2,480.3	3,028.9	2,591.2	26.7	24.7	-174.88	1,337.1	-29.1	172.1	160.7	11.43	15.059		
3,100.0	2,551.8	3,128.7	2,667.3	28.0	25.8	-175.08	1,401.7	-29.7	179.0	167.2	11.78	15.196		
3,200.0	2,623.3	3,228.5	2,743.3	29.2	27.0	-175.26	1,466.3	-30.4	186.0	173.8	12.14	15.324		
3,300.0	2,694.8	3,328.2	2,819.3	30.4	28.1	-175.43	1,530.8	-31.1	192.9	180.4	12.49	15.445		
3,400.0	2,766.3	3,428.0	2,895.3	31.7	29.2	-175.59	1,595.4	-31.8	199.8	187.0	12.84	15.559		
3,500.0	2,837.9	3,527.7	2,971.4	32.9	30.4	-175.73	1,660.0	-32.4	206.8	193.6	13.20	15.667		
3,600.0	2,909.4	3,627.5	3,047.4	34.1	31.5	-175.87	1,724.6	-33.1	213.7	200.2	13.55	15.769		
3,700.0	2,980.9	3,727.2	3,123.4	35.4	32.7	-176.00	1,789.2	-33.8	220.7	206.8	13.91	15.866		
3,800.0	3,052.4	3,827.0	3,199.4	36.6	33.8	-176.12	1,853.8	-34.4	227.6	213.4	14.26	15.957		
3,900.0	3,123.9	3,926.8	3,275.5	37.8	34.9	-176.23	1,918.4	-35.1	234.6	220.0	14.62	16.044		
4,000.0	3,195.4	4,026.5	3,351.5	39.0	36.1	-176.34	1,982.9	-35.8	241.5	226.5	14.98	16.126		
4,100.0	3,267.0	4,126.3	3,427.5	40.3	37.2	-176.44	2,047.5	-36.5	248.5	233.1	15.33	16.204		
4,200.0	3,338.5	4,226.0	3,503.5	41.5	38.4	-176.53	2,112.1	-37.1	255.4	239.7	15.69	16.279		
4,300.0	3,410.0	4,325.8	3,579.6	42.7	39.5	-176.62	2,176.7	-37.8	262.4	246.3	16.05	16.350		
4,400.0	3,481.5	4,425.5	3,655.6	44.0	40.6	-176.71	2,241.3	-38.5	269.3	252.9	16.41	16.417		
4,500.0	3,553.0	4,525.3	3,731.6	45.2	41.8	-176.79	2,305.9	-39.2	276.3	259.5	16.76	16.482		
4,600.0	3,624.5	4,625.1	3,807.6	46.4	42.9	-176.87	2,370.5	-39.8	283.2	266.1	17.12	16.543		
4,700.0	3,696.1	4,724.8	3,883.7	47.7	44.1	-176.94	2,435.0	-40.5	290.2	272.7	17.48	16.602		
4,800.0	3,767.6	4,824.6	3,959.7	48.9	45.2	-177.01	2,499.6	-41.2	297.1	279.3	17.84	16.658		
4,900.0	3,839.1	4,924.3	4,035.7	50.1	46.3	-177.08	2,564.2	-41.8	304.1	285.9	18.20	16.712		
5,000.0	3,910.6	5,024.1	4,111.7	51.4	47.5	-177.14	2,628.8	-42.5	311.1	292.5	18.56	16.763		
5,100.0	3,982.1	5,123.8	4,187.8	52.6	48.6	-177.20	2,693.4	-43.2	318.0	299.1	18.91	16.812		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16F-24 I25 596 - OH - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total Uncertainty Axis	Separation Factor	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)				
5,200.0	4,053.6	5,214.9	4,257.6	53.8	49.6	-177.26	2,751.8	-43.8	325.8	306.5	19.26	16.916		
5,300.0	4,125.2	5,300.0	4,325.1	55.1	50.5	-177.34	2,803.7	-44.3	337.6	318.0	19.57	17.245		
5,400.0	4,198.1	5,383.4	4,393.4	56.2	51.3	-177.45	2,851.6	-44.8	351.7	331.7	19.95	17.629		
5,500.0	4,274.5	5,466.9	4,463.8	57.3	52.1	-177.54	2,896.4	-45.3	365.0	344.7	20.30	17.977		
5,600.0	4,354.2	5,550.0	4,535.7	58.4	52.8	-177.63	2,938.0	-45.7	377.5	356.8	20.63	18.300		
5,700.0	4,436.9	5,632.7	4,609.1	59.3	53.5	-177.70	2,976.2	-46.1	389.0	368.1	20.92	18.600		
5,800.0	4,522.4	5,715.1	4,683.7	60.2	54.1	-177.76	3,011.1	-46.5	399.7	378.5	21.17	18.880		
5,900.0	4,610.6	5,800.0	4,762.1	61.0	54.6	-177.82	3,043.6	-46.8	409.4	388.0	21.39	19.138		
6,000.0	4,701.1	5,879.2	4,836.4	61.7	55.1	-177.86	3,070.8	-47.1	418.2	396.6	21.57	19.385		
6,100.0	4,793.7	5,960.8	4,914.2	62.4	55.5	-177.90	3,095.6	-47.4	426.1	404.3	21.72	19.613		
6,200.0	4,888.1	6,042.3	4,992.8	62.9	55.8	-177.94	3,117.0	-47.6	432.9	411.1	21.84	19.825		
6,300.0	4,984.1	6,123.5	5,072.1	63.4	56.1	-177.97	3,135.0	-47.8	438.9	416.9	21.92	20.021		
6,400.0	5,081.5	6,200.0	5,147.2	63.8	56.4	-177.99	3,148.8	-47.9	443.8	421.8	21.96	20.209		
6,500.0	5,179.9	6,285.7	5,232.1	64.1	56.6	-178.01	3,160.7	-48.1	447.7	425.7	21.99	20.362		
6,600.0	5,279.1	6,366.6	5,312.7	64.3	56.7	-178.02	3,168.5	-48.1	450.7	428.7	21.98	20.507		
6,700.0	5,378.8	6,447.5	5,393.4	64.4	56.7	-178.03	3,172.8	-48.2	452.6	430.7	21.94	20.631		
6,800.0	5,478.8	6,532.6	5,478.5	64.4	56.8	-58.19	3,173.8	-48.2	453.5	431.5	21.93	20.682		
6,900.0	5,578.8	6,631.6	5,577.5	64.4	56.8	-58.19	3,173.6	-48.5	453.5	431.2	22.28	20.355		
7,000.0	5,678.8	6,731.5	5,677.4	64.5	56.8	-58.19	3,173.3	-49.0	453.5	430.9	22.65	20.025		
7,100.0	5,778.8	6,831.5	5,777.4	64.5	56.9	-58.19	3,173.0	-49.5	453.5	430.5	23.02	19.702		
7,200.0	5,878.8	6,931.5	5,877.4	64.5	56.9	-58.19	3,172.7	-50.0	453.5	430.1	23.39	19.390		
7,300.0	5,978.8	7,031.5	5,977.4	64.5	56.9	-58.19	3,172.4	-50.5	453.5	429.7	23.76	19.088		
7,400.0	6,078.8	7,131.5	6,077.4	64.6	57.0	-58.19	3,172.1	-51.0	453.5	429.4	24.13	18.797		
7,500.0	6,178.8	7,231.5	6,177.4	64.6	57.0	-58.19	3,171.9	-51.5	453.5	429.0	24.50	18.514		
7,600.0	6,278.8	7,331.5	6,277.4	64.6	57.0	-58.19	3,171.6	-51.9	453.5	428.6	24.86	18.240		
7,700.0	6,378.8	7,431.5	6,377.4	64.7	57.1	-58.19	3,171.3	-52.4	453.5	428.3	25.23	17.974		
7,800.0	6,478.8	7,531.5	6,477.4	64.7	57.1	-58.18	3,171.0	-52.9	453.5	427.9	25.60	17.717		
7,900.0	6,578.8	7,631.5	6,577.4	64.7	57.1	-58.18	3,170.7	-53.4	453.5	427.5	25.96	17.467		
8,000.0	6,678.8	7,731.5	6,677.4	64.8	57.2	-58.18	3,170.4	-53.9	453.5	427.2	26.33	17.224		
8,100.0	6,778.8	7,831.5	6,777.4	64.8	57.2	-58.18	3,170.1	-54.4	453.5	426.8	26.70	16.988		
8,200.0	6,878.8	7,931.5	6,877.4	64.8	57.2	-58.18	3,169.8	-54.9	453.5	426.4	27.06	16.759		
8,300.0	6,978.8	8,031.5	6,977.4	64.9	57.3	-58.18	3,169.5	-55.4	453.5	426.1	27.43	16.536		
8,400.0	7,078.8	8,131.5	7,077.4	64.9	57.3	-58.18	3,169.2	-55.9	453.5	425.7	27.79	16.319		
8,500.0	7,178.8	8,231.5	7,177.4	64.9	57.4	-58.18	3,168.9	-56.4	453.5	425.4	28.15	16.109		
8,600.0	7,278.8	8,331.5	7,277.4	65.0	57.4	-58.18	3,168.6	-56.9	453.5	425.0	28.52	15.903		
8,700.0	7,378.8	8,431.5	7,377.4	65.0	57.4	-58.18	3,168.4	-57.4	453.5	424.6	28.88	15.703		
8,800.0	7,478.8	8,531.5	7,477.4	65.0	57.5	-58.18	3,168.1	-57.9	453.5	424.3	29.24	15.508		
8,900.0	7,578.8	8,631.5	7,577.4	65.1	57.5	-58.18	3,167.8	-58.4	453.5	423.9	29.61	15.319		
9,000.0	7,678.8	8,731.5	7,677.4	65.1	57.6	-58.18	3,167.5	-58.9	453.5	423.5	29.97	15.133		
9,100.0	7,778.8	8,831.5	7,777.4	65.1	57.6	-58.18	3,167.2	-59.4	453.5	423.2	30.33	14.953		
9,200.0	7,878.8	8,931.5	7,877.4	65.2	57.6	-58.18	3,166.9	-59.9	453.5	422.8	30.69	14.777		
9,300.0	7,978.8	9,031.5	7,977.4	65.2	57.7	-58.18	3,166.6	-60.4	453.5	422.5	31.05	14.605		
9,400.0	8,078.7	9,131.5	8,077.4	65.3	57.7	-58.18	3,166.3	-60.9	453.5	422.1	31.41	14.437		
9,500.0	8,178.7	9,231.5	8,177.4	65.3	57.8	-58.18	3,166.0	-61.4	453.5	421.7	31.77	14.273		
9,600.0	8,278.7	9,331.5	8,277.4	65.3	57.8	-58.18	3,165.7	-61.9	453.5	421.4	32.14	14.113		
9,700.0	8,378.7	9,431.5	8,377.4	65.4	57.9	-58.18	3,165.4	-62.4	453.5	421.0	32.50	13.956		
9,800.0	8,478.7	9,531.5	8,477.4	65.4	57.9	-58.18	3,165.2	-62.9	453.5	420.7	32.86	13.803		
9,900.0	8,578.7	9,631.5	8,577.4	65.5	57.9	-58.18	3,164.9	-63.4	453.5	420.3	33.22	13.654		
10,000.0	8,678.7	9,731.5	8,677.4	65.5	58.0	-58.18	3,164.6	-63.9	453.5	419.9	33.58	13.508		
10,100.0	8,778.7	9,831.5	8,777.4	65.5	58.0	-58.18	3,164.3	-64.4	453.5	419.6	33.93	13.364		
10,200.0	8,878.7	9,931.5	8,877.4	65.6	58.1	-58.18	3,164.0	-64.9	453.5	419.2	34.29	13.224		
10,300.0	8,978.7	10,031.5	8,977.4	65.6	58.1	-58.18	3,163.7	-65.4	453.5	418.9	34.65	13.087		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 - WF16F-24 I25 596 - OH - Plan #1												Offset Site Error:	0.0 ft
Survey Program: 0-MWD												Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor	
10,400.0	9,078.7	10,131.5	9,077.4	65.7	58.2	-58.18	3,163.4	-65.8	453.5	418.5	35.01	12.953	
10,500.0	9,178.7	10,231.5	9,177.4	65.7	58.2	-58.18	3,163.1	-66.3	453.5	418.2	35.37	12.822	
10,600.0	9,278.7	10,331.5	9,277.4	65.8	58.3	-58.18	3,162.8	-66.8	453.5	417.8	35.73	12.693	
10,700.0	9,378.7	10,431.5	9,377.4	65.8	58.3	-58.18	3,162.5	-67.3	453.5	417.4	36.09	12.567	
10,800.0	9,478.7	10,531.5	9,477.3	65.9	58.4	-58.18	3,162.2	-67.8	453.5	417.1	36.45	12.444	
10,900.0	9,578.7	10,631.5	9,577.3	65.9	58.4	-58.18	3,161.9	-68.3	453.5	416.7	36.80	12.323	
11,000.0	9,678.7	10,731.5	9,677.3	65.9	58.5	-58.18	3,161.7	-68.8	453.5	416.4	37.16	12.204	
11,100.0	9,778.7	10,831.5	9,777.3	66.0	58.5	-58.18	3,161.4	-69.3	453.5	416.0	37.52	12.088	
11,200.0	9,878.7	10,931.5	9,877.3	66.0	58.6	-58.18	3,161.1	-69.8	453.5	415.6	37.88	11.974	
11,300.0	9,978.7	11,031.5	9,977.3	66.1	58.6	-58.18	3,160.8	-70.3	453.5	415.3	38.23	11.862	
11,400.0	10,078.7	11,131.5	10,077.3	66.1	58.7	-58.18	3,160.5	-70.8	453.5	414.9	38.59	11.752	
11,500.0	10,178.7	11,231.5	10,177.3	66.2	58.7	-58.18	3,160.2	-71.3	453.5	414.6	38.95	11.644	
11,549.5	10,228.2	11,281.0	10,226.8	66.2	58.8	-58.18	3,160.1	-71.6	453.5	414.4	39.12	11.592	
11,589.3	10,268.0	11,309.2	10,255.0	66.2	58.8	-58.18	3,160.0	-71.7	453.7	414.4	39.25	11.560 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF01D I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 119-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	-131.47	-33.1	-37.5	115.4					
100.0	100.0	0.0	0.0	0.1	0.0	-131.47	-33.1	-37.5	50.1	50.0	0.14	367.808		
128.3	128.3	24.2	24.2	0.2	0.0	-131.49	-33.1	-37.5	50.0	49.8	0.23	219.255 CC		
200.0	200.0	95.8	95.8	0.3	0.2	-131.86	-33.5	-37.4	50.2	49.7	0.48	104.905 ES		
300.0	300.0	195.9	195.9	0.5	0.3	-134.23	-34.4	-37.2	52.5	51.6	0.83	63.065		
400.0	399.6	296.2	296.2	0.7	0.5	-139.60	-33.9	-36.9	57.7	56.5	1.20	48.130		
500.0	498.8	397.0	396.9	1.0	0.7	-145.65	-31.6	-36.8	66.2	64.6	1.58	41.963		
600.0	597.1	498.3	498.1	1.4	0.9	-150.86	-26.0	-37.0	77.1	75.2	1.96	39.327		
700.0	694.3	598.9	598.3	1.8	1.1	-155.40	-17.2	-37.0	90.3	88.0	2.34	38.586 SF		
800.0	790.2	700.1	698.9	2.3	1.3	-159.24	-6.0	-37.1	106.6	103.8	2.71	39.286		
900.0	884.4	801.4	799.2	3.0	1.6	-162.47	8.3	-37.1	125.2	122.1	3.07	40.789		
1,000.0	976.8	905.8	901.8	3.7	2.0	-164.96	27.2	-37.2	145.4	141.9	3.43	42.436		
1,100.0	1,067.1	1,010.9	1,004.1	4.4	2.4	-166.99	51.4	-37.0	165.7	162.0	3.77	43.941		
1,200.0	1,154.9	1,114.6	1,104.0	5.3	2.9	-168.79	79.3	-36.3	187.4	183.3	4.10	45.732		
1,300.0	1,240.2	1,220.3	1,204.6	6.3	3.4	-170.48	111.8	-35.0	210.3	205.9	4.40	47.739		
1,400.0	1,322.6	1,324.6	1,302.5	7.3	4.1	-172.00	147.6	-33.1	234.6	229.9	4.69	50.000		
1,500.0	1,401.9	1,436.0	1,405.2	8.4	4.8	-173.19	190.7	-31.8	259.7	254.7	4.99	52.042		
1,600.0	1,477.9	1,536.6	1,496.3	9.5	5.6	-174.07	233.4	-30.7	285.9	280.6	5.27	54.273		
1,700.0	1,550.6	1,644.8	1,593.1	10.8	6.4	-174.89	281.6	-29.8	314.9	309.4	5.56	56.591		
1,800.0	1,622.1	1,752.3	1,687.2	12.0	7.3	-175.69	333.7	-28.3	341.2	335.2	5.92	57.652		
1,900.0	1,693.6	1,850.9	1,772.6	13.2	8.2	-176.30	383.0	-26.8	365.8	359.5	6.26	58.410		
2,000.0	1,765.1	1,946.7	1,855.5	14.4	9.0	-176.80	430.8	-25.5	390.5	383.9	6.60	59.132		
2,100.0	1,836.6	2,041.5	1,937.9	15.7	9.8	-177.29	477.8	-23.9	415.6	408.7	6.94	59.873		
2,200.0	1,908.1	2,133.7	2,018.2	16.9	10.6	-177.65	523.0	-22.9	441.3	434.0	7.28	60.611		
2,300.0	1,979.7	2,227.6	2,100.5	18.1	11.4	-177.98	568.1	-21.7	468.2	460.6	7.62	61.422		
2,400.0	2,051.2	2,324.0	2,185.1	19.4	12.2	-178.27	614.4	-20.7	495.1	487.1	7.97	62.109		
2,500.0	2,122.7	2,424.7	2,273.3	20.6	13.1	-178.50	662.9	-20.0	521.9	513.5	8.33	62.646		
2,600.0	2,194.2	2,519.4	2,356.0	21.8	13.9	-178.68	709.1	-19.4	548.0	539.3	8.68	63.131		
2,700.0	2,265.7	2,614.9	2,439.7	23.0	14.7	-178.86	755.1	-18.7	574.8	565.7	9.03	63.634		
2,800.0	2,337.2	2,737.6	2,545.5	24.3	15.9	-178.94	817.2	-19.2	598.8	589.4	9.44	63.454		
2,900.0	2,408.8	2,837.9	2,630.9	25.5	16.8	-179.04	869.9	-19.1	620.6	610.8	9.80	63.317		
3,000.0	2,480.3	2,929.8	2,709.2	26.7	17.6	-179.15	917.8	-18.8	643.0	632.8	10.15	63.334		
3,100.0	2,551.8	3,034.7	2,798.7	28.0	18.6	-179.22	972.7	-18.8	665.2	654.6	10.53	63.196		
3,200.0	2,623.3	3,130.8	2,880.2	29.2	19.5	-179.24	1,023.4	-19.4	686.7	675.8	10.88	63.094		
3,300.0	2,694.8	3,234.4	2,968.3	30.4	20.5	-179.17	1,078.1	-21.1	708.4	697.1	11.26	62.915		
3,400.0	2,766.3	3,322.2	3,042.7	31.7	21.3	-179.15	1,124.5	-22.1	729.9	718.3	11.60	62.900		
3,500.0	2,837.9	3,423.6	3,129.3	32.9	22.2	-179.13	1,177.4	-23.2	752.3	740.3	11.97	62.827		
3,600.0	2,909.4	3,521.1	3,212.2	34.1	23.1	-179.14	1,228.7	-24.0	774.1	761.8	12.34	62.754		
3,700.0	2,980.9	3,608.0	3,286.4	35.4	23.9	-179.13	1,273.9	-24.8	796.6	783.9	12.68	62.831		
3,800.0	3,052.4	3,691.8	3,358.6	36.6	24.7	-179.08	1,316.4	-26.3	820.5	807.5	13.02	63.037		
3,900.0	3,123.9	3,802.9	3,454.6	37.8	25.7	-179.05	1,372.3	-27.8	845.0	831.6	13.40	63.046		
4,000.0	3,195.4	3,892.1	3,531.2	39.0	26.5	-179.07	1,417.9	-28.2	868.5	854.7	13.75	63.175		
4,100.0	3,267.0	3,981.5	3,608.5	40.3	27.3	-179.08	1,462.8	-28.9	893.0	878.9	14.09	63.367		
4,200.0	3,338.5	4,071.4	3,686.6	41.5	28.1	-179.06	1,507.4	-30.0	918.2	903.8	14.44	63.590		
4,300.0	3,410.0	4,163.9	3,767.3	42.7	28.9	-179.07	1,552.8	-30.8	944.1	929.3	14.79	63.835		
4,400.0	3,481.5	4,250.7	3,843.1	44.0	29.6	-179.10	1,594.8	-31.0	970.5	955.4	15.13	64.161		
4,500.0	3,553.0	4,336.4	3,918.5	45.2	30.3	-179.09	1,635.5	-32.0	998.1	982.6	15.46	64.540		
4,600.0	3,624.5	4,420.3	3,992.8	46.4	31.0	-179.10	1,674.6	-32.6	1,026.6	1,010.8	15.80	64.991		
4,700.0	3,696.1	4,531.6	4,091.4	47.7	31.9	-179.23	1,726.2	-31.4	1,055.4	1,039.3	16.17	65.281		
4,800.0	3,767.6	4,612.5	4,162.9	48.9	32.6	-179.36	1,764.0	-29.7	1,083.8	1,067.3	16.49	65.738		
4,900.0	3,839.1	4,690.9	4,232.8	50.1	33.2	-179.44	1,799.6	-28.9	1,113.6	1,096.8	16.81	66.265		
5,000.0	3,910.6	4,768.8	4,302.7	51.4	33.8	-179.49	1,833.8	-28.5	1,144.9	1,127.8	17.12	66.863		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF01D I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 119-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
5,100.0	3,982.1	4,859.9	4,384.9	52.6	34.5	-179.55	1,873.2	-28.0	1,177.1	1,159.6	17.46	67.399		
5,200.0	4,053.6	4,949.4	4,465.7	53.8	35.2	-179.62	1,911.6	-27.3	1,209.5	1,191.7	17.80	67.943		
5,300.0	4,125.2	5,030.3	4,539.0	55.1	35.8	-179.65	1,945.8	-27.2	1,242.6	1,224.5	18.13	68.553		
5,400.0	4,198.1	5,105.0	4,607.3	56.2	36.4	-179.67	1,976.1	-27.3	1,275.5	1,256.9	18.56	68.727		
5,500.0	4,274.5	5,162.4	4,660.3	57.3	36.7	-179.69	1,998.2	-27.4	1,305.5	1,286.5	18.95	68.906		
5,600.0	4,354.2	5,228.1	4,721.4	58.4	37.1	-179.72	2,022.1	-27.1	1,332.7	1,313.4	19.31	69.003		
5,700.0	4,436.9	5,293.0	4,782.4	59.3	37.5	-179.74	2,044.4	-27.0	1,357.1	1,337.5	19.65	69.077		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF01D I 25 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	-131.47	-33.1	-37.5	115.4					
100.0	100.0	0.0	0.0	0.1	0.0	-131.47	-33.1	-37.5	50.1	50.0	0.14	367.808		
134.7	134.7	30.7	30.7	0.2	0.1	-131.47	-33.1	-37.5	50.0	49.7	0.25	199.544		
200.0	200.0	96.0	96.0	0.3	0.2	-131.47	-33.1	-37.5	50.0	49.5	0.48	104.523 CC, ES		
300.0	300.0	196.0	196.0	0.5	0.3	-133.03	-33.1	-37.5	51.7	50.9	0.83	62.222		
400.0	399.6	296.3	296.3	0.7	0.5	-138.45	-32.7	-37.5	57.1	55.9	1.20	47.591		
500.0	498.8	397.6	397.5	1.0	0.7	-144.15	-29.3	-37.4	64.6	63.1	1.58	40.792		
600.0	597.1	499.0	498.7	1.4	0.9	-149.35	-22.3	-37.4	74.1	72.1	1.98	37.457		
700.0	694.3	600.7	599.8	1.8	1.2	-153.88	-11.7	-37.3	85.5	83.2	2.37	36.058		
800.0	790.2	702.6	700.7	2.3	1.4	-157.73	2.6	-37.1	98.9	96.1	2.76	35.857 SF		
900.0	884.4	804.8	801.4	3.0	1.8	-160.97	20.5	-36.9	114.1	111.0	3.13	36.446		
1,000.0	976.8	907.4	901.6	3.7	2.2	-163.66	42.0	-36.7	131.2	127.7	3.49	37.582		
1,100.0	1,067.1	1,010.4	1,001.5	4.4	2.6	-165.91	67.2	-36.5	150.1	146.2	3.84	39.112		
1,200.0	1,154.9	1,113.7	1,100.7	5.3	3.2	-167.80	96.1	-36.2	170.7	166.5	4.17	40.934		
1,300.0	1,240.2	1,217.6	1,199.3	6.3	3.8	-169.38	128.7	-35.9	192.9	188.4	4.49	42.981		
1,400.0	1,322.6	1,321.9	1,297.1	7.3	4.4	-170.72	165.1	-35.6	216.9	212.1	4.80	45.206		
1,500.0	1,401.9	1,426.8	1,394.0	8.4	5.1	-171.87	205.2	-35.2	242.4	237.3	5.09	47.576		
1,600.0	1,477.9	1,532.4	1,490.0	9.5	5.9	-172.85	249.1	-34.8	269.5	264.1	5.38	50.065		
1,700.0	1,550.6	1,638.6	1,584.9	10.8	6.8	-173.72	296.9	-34.3	298.0	292.3	5.68	52.482		
1,800.0	1,622.1	1,746.7	1,679.5	12.0	7.7	-174.48	349.0	-33.8	324.5	318.4	6.04	53.758		
1,900.0	1,693.6	1,845.0	1,764.5	13.2	8.6	-175.04	398.4	-33.3	348.8	342.4	6.38	54.629		
2,000.0	1,765.1	1,941.9	1,848.3	14.4	9.4	-175.52	447.1	-32.9	373.1	366.4	6.73	55.437		
2,100.0	1,836.6	2,038.9	1,932.1	15.7	10.3	-175.94	495.9	-32.4	397.5	390.4	7.08	56.177		
2,200.0	1,908.1	2,135.8	2,016.0	16.9	11.1	-176.31	544.6	-32.0	421.9	414.4	7.42	56.854		
2,300.0	1,979.7	2,232.8	2,099.8	18.1	12.0	-176.64	593.3	-31.5	446.2	438.5	7.76	57.473		
2,400.0	2,051.2	2,329.7	2,183.6	19.4	12.9	-176.93	642.0	-31.0	470.6	462.5	8.11	58.039		
2,500.0	2,122.7	2,426.7	2,267.4	20.6	13.7	-177.20	690.8	-30.6	495.1	486.6	8.45	58.557		
2,600.0	2,194.2	2,523.6	2,351.2	21.8	14.6	-177.44	739.5	-30.1	519.5	510.7	8.80	59.031		
2,700.0	2,265.7	2,620.6	2,435.0	23.0	15.5	-177.66	788.2	-29.6	543.9	534.8	9.15	59.466		
2,800.0	2,337.2	2,717.5	2,518.8	24.3	16.3	-177.86	836.9	-29.2	568.3	558.9	9.49	59.865		
2,900.0	2,408.8	2,814.5	2,602.7	25.5	17.2	-178.05	885.7	-28.7	592.8	582.9	9.84	60.232		
3,000.0	2,480.3	2,911.4	2,686.5	26.7	18.0	-178.22	934.4	-28.2	617.2	607.0	10.19	60.571		
3,100.0	2,551.8	3,008.4	2,770.3	28.0	18.9	-178.37	983.1	-27.8	641.7	631.1	10.54	60.882		
3,200.0	2,623.3	3,105.3	2,854.1	29.2	19.8	-178.52	1,031.9	-27.3	666.1	655.2	10.89	61.170		
3,300.0	2,694.8	3,202.3	2,937.9	30.4	20.6	-178.65	1,080.6	-26.8	690.6	679.4	11.24	61.437		
3,400.0	2,766.3	3,299.2	3,021.7	31.7	21.5	-178.78	1,129.3	-26.4	715.1	703.5	11.59	61.684		
3,500.0	2,837.9	3,396.2	3,105.6	32.9	22.4	-178.90	1,178.0	-25.9	739.5	727.6	11.94	61.913		
3,600.0	2,909.4	3,493.1	3,189.4	34.1	23.2	-179.01	1,226.8	-25.4	764.0	751.7	12.30	62.127		
3,700.0	2,980.9	3,590.1	3,273.2	35.4	24.1	-179.11	1,275.5	-25.0	788.5	775.8	12.65	62.325		
3,800.0	3,052.4	3,687.0	3,357.0	36.6	25.0	-179.21	1,324.2	-24.5	812.9	799.9	13.00	62.510		
3,900.0	3,123.9	3,784.0	3,440.8	37.8	25.8	-179.30	1,372.9	-24.1	837.4	824.1	13.36	62.683		
4,000.0	3,195.4	3,880.9	3,524.6	39.0	26.7	-179.39	1,421.7	-23.6	861.9	848.2	13.71	62.844		
4,100.0	3,267.0	3,977.9	3,608.4	40.3	27.6	-179.47	1,470.4	-23.1	886.4	872.3	14.07	62.995		
4,200.0	3,338.5	4,074.8	3,692.3	41.5	28.4	-179.54	1,519.1	-22.7	910.8	896.4	14.43	63.137		
4,300.0	3,410.0	4,171.8	3,776.1	42.7	29.3	-179.62	1,567.8	-22.2	935.3	920.5	14.78	63.270		
4,400.0	3,481.5	4,268.7	3,859.9	44.0	30.2	-179.69	1,616.6	-21.7	959.8	944.7	15.14	63.395		
4,500.0	3,553.0	4,365.7	3,943.7	45.2	31.0	-179.75	1,665.3	-21.3	984.3	968.8	15.50	63.513		
4,600.0	3,624.5	4,462.6	4,027.5	46.4	31.9	-179.81	1,714.0	-20.8	1,008.8	992.9	15.86	63.624		
4,700.0	3,696.1	4,559.6	4,111.3	47.7	32.8	-179.87	1,762.7	-20.3	1,033.3	1,017.1	16.21	63.728		
4,800.0	3,767.6	4,656.5	4,195.1	48.9	33.6	-179.93	1,811.5	-19.9	1,057.8	1,041.2	16.57	63.827		
4,900.0	3,839.1	4,730.1	4,259.0	50.1	34.2	-179.97	1,847.8	-19.5	1,083.2	1,066.3	16.89	64.136		
5,000.0	3,910.6	4,800.0	4,320.7	51.4	34.8	179.99	1,880.9	-19.2	1,110.9	1,093.7	17.20	64.595		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design													I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF01D I 25 596 - DD - Plan #1		Offset Site Error:		0.0 ft	
Survey Program:													0-MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning				
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor						
							+N/-S (ft)	+E/-W (ft)										
5,100.0	3,982.1	4,868.0	4,381.3	52.6	35.4	179.96	1,911.6	-18.9	1,141.0	1,123.5	17.50	65.187						
5,200.0	4,053.6	4,935.4	4,442.2	53.8	35.9	179.93	1,940.7	-18.6	1,173.3	1,155.5	17.81	65.892						
5,300.0	4,125.2	5,000.0	4,501.1	55.1	36.3	179.91	1,967.1	-18.4	1,207.8	1,189.7	18.10	66.715						
5,400.0	4,198.1	5,067.4	4,563.2	56.2	36.8	179.88	1,993.3	-18.1	1,242.5	1,224.0	18.52	67.078						
5,500.0	4,274.5	5,133.2	4,624.4	57.3	37.2	179.87	2,017.4	-17.9	1,274.5	1,255.6	18.92	67.345						
5,600.0	4,354.2	5,200.0	4,687.1	58.4	37.6	179.85	2,040.5	-17.7	1,303.7	1,284.4	19.29	67.566						
5,700.0	4,436.9	5,265.3	4,748.8	59.3	37.9	179.83	2,061.6	-17.5	1,330.1	1,310.4	19.63	67.764						
5,800.0	4,522.4	5,331.5	4,811.9	60.2	38.3	179.82	2,081.6	-17.3	1,353.6	1,333.7	19.93	67.925						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF01D I 25 596 - DD Stk - DD Stk													Offset Site Error:	0.0 ft
Survey Program: 211-MWD, 5356-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-131.47	-33.1	-37.5	51.4					
100.0	100.0	87.9	87.9	0.1	0.1	-131.65	-33.3	-37.4	50.1	49.8	0.28	179.874	CC, ES	
200.0	200.0	187.7	187.7	0.3	0.3	-132.31	-34.0	-37.3	50.5	49.8	0.61	82.079		
300.0	300.0	287.9	287.9	0.5	0.5	-134.65	-34.9	-37.1	52.8	51.8	0.97	54.662		
400.0	399.6	388.2	388.2	0.7	0.7	-139.96	-34.4	-36.9	58.0	56.7	1.33	43.579		
500.0	498.8	489.0	489.0	1.0	0.8	-145.94	-32.0	-36.8	66.5	64.8	1.71	38.947		
600.0	597.1	590.3	590.1	1.4	1.0	-151.08	-26.5	-37.0	77.5	75.4	2.09	37.078		
700.0	694.3	690.9	690.4	1.8	1.2	-155.57	-17.7	-36.9	90.7	88.3	2.47	36.760	SF	
800.0	790.2	792.1	790.9	2.3	1.5	-159.37	-6.4	-37.0	107.0	104.1	2.84	37.699		
900.0	884.4	893.5	891.3	3.0	1.7	-162.57	7.9	-37.0	125.6	122.4	3.19	39.347		
1,000.0	976.8	997.9	993.9	3.7	2.1	-165.04	26.7	-37.1	145.8	142.2	3.55	41.107		
1,100.0	1,067.1	1,103.0	1,096.2	4.4	2.5	-167.05	51.0	-37.0	166.2	162.3	3.89	42.707		
1,200.0	1,154.9	1,206.8	1,196.1	5.3	2.9	-168.85	78.9	-36.2	187.8	183.6	4.21	44.563		
1,300.0	1,240.2	1,312.5	1,296.7	6.3	3.5	-170.52	111.4	-34.9	210.7	206.2	4.52	46.614		
1,400.0	1,322.6	1,416.8	1,394.7	7.3	4.1	-172.04	147.2	-33.0	235.0	230.2	4.81	48.905		
1,500.0	1,401.9	1,528.2	1,497.4	8.4	4.9	-173.22	190.3	-31.7	260.1	255.0	5.10	50.984		
1,600.0	1,477.9	1,628.8	1,588.5	9.5	5.6	-174.10	233.0	-30.6	286.3	280.9	5.38	53.245		
1,700.0	1,550.6	1,737.0	1,685.3	10.8	6.5	-174.91	281.2	-29.7	315.3	309.7	5.67	55.586		
1,800.0	1,622.1	1,844.6	1,779.4	12.0	7.4	-175.71	333.3	-28.2	341.6	335.5	6.03	56.679		
1,900.0	1,693.6	1,943.2	1,864.8	13.2	8.2	-176.32	382.6	-26.7	366.2	359.8	6.37	57.471		
2,000.0	1,765.1	2,038.9	1,947.7	14.4	9.1	-176.82	430.4	-25.4	390.9	384.2	6.71	58.225		
2,100.0	1,836.6	2,133.8	2,030.1	15.7	9.9	-177.31	477.4	-23.8	416.0	409.0	7.05	58.993		
2,200.0	1,908.1	2,225.9	2,110.4	16.9	10.7	-177.66	522.7	-22.8	441.7	434.3	7.39	59.759		
2,300.0	1,979.7	2,319.8	2,192.7	18.1	11.5	-177.99	567.7	-21.6	468.6	460.9	7.73	60.593		
2,400.0	2,051.2	2,416.0	2,277.1	19.4	12.3	-178.28	613.9	-20.7	495.5	487.4	8.08	61.307		
2,500.0	2,122.7	2,516.9	2,365.5	20.6	13.1	-178.51	662.6	-19.9	522.3	513.8	8.44	61.867		
2,600.0	2,194.2	2,611.6	2,448.2	21.8	14.0	-178.69	708.7	-19.4	548.4	539.6	8.79	62.375		
2,700.0	2,265.7	2,707.2	2,532.0	23.0	14.8	-178.87	754.8	-18.7	575.2	566.0	9.14	62.899		
2,800.0	2,337.2	2,829.9	2,637.7	24.3	15.9	-178.95	816.8	-19.1	599.2	589.7	9.55	62.750		
2,900.0	2,408.8	2,930.2	2,723.1	25.5	16.8	-179.05	869.6	-19.0	621.1	611.1	9.91	62.640		
3,000.0	2,480.3	3,022.1	2,801.4	26.7	17.7	-179.15	917.5	-18.7	643.4	633.1	10.26	62.679		
3,100.0	2,551.8	3,127.0	2,890.9	28.0	18.6	-179.23	972.3	-18.8	665.6	654.9	10.64	62.564		
3,200.0	2,623.3	3,223.0	2,972.4	29.2	19.5	-179.25	1,023.0	-19.3	687.1	676.1	11.00	62.483		
3,300.0	2,694.8	3,326.7	3,060.5	30.4	20.5	-179.18	1,077.8	-21.0	708.8	697.4	11.37	62.326		
3,400.0	2,766.3	3,414.4	3,134.9	31.7	21.3	-179.15	1,124.1	-22.1	730.3	718.6	11.72	62.328		
3,500.0	2,837.9	3,515.9	3,221.6	32.9	22.3	-179.14	1,177.0	-23.2	752.7	740.6	12.09	62.272		
3,600.0	2,909.4	3,613.4	3,304.4	34.1	23.2	-179.14	1,228.3	-23.9	774.5	762.0	12.45	62.216		
3,700.0	2,980.9	3,700.2	3,378.6	35.4	23.9	-179.14	1,273.5	-24.8	797.0	784.2	12.79	62.307		
3,800.0	3,052.4	3,784.0	3,450.7	36.6	24.7	-179.09	1,316.0	-26.2	820.9	807.8	13.13	62.525		
3,900.0	3,123.9	3,895.2	3,546.9	37.8	25.7	-179.05	1,371.9	-27.7	845.4	831.9	13.52	62.547		
4,000.0	3,195.4	3,984.3	3,623.4	39.0	26.5	-179.08	1,417.6	-28.1	868.9	855.0	13.86	62.688		
4,100.0	3,267.0	4,073.7	3,700.7	40.3	27.3	-179.09	1,462.5	-28.8	893.4	879.2	14.21	62.890		
4,200.0	3,338.5	4,163.7	3,778.8	41.5	28.1	-179.07	1,507.1	-29.9	918.6	904.1	14.55	63.123		
4,300.0	3,410.0	4,256.2	3,859.4	42.7	28.9	-179.07	1,552.4	-30.7	944.5	929.6	14.90	63.377		
4,400.0	3,481.5	4,342.9	3,935.3	44.0	29.6	-179.11	1,594.5	-31.0	970.9	955.7	15.24	63.710		
4,500.0	3,553.0	4,428.6	4,010.7	45.2	30.3	-179.10	1,635.1	-31.9	998.5	982.9	15.58	64.096		
4,600.0	3,624.5	4,512.5	4,085.0	46.4	31.0	-179.11	1,674.2	-32.5	1,027.1	1,011.1	15.91	64.554		
4,700.0	3,696.1	4,623.8	4,183.6	47.7	32.0	-179.23	1,725.8	-31.4	1,055.8	1,039.6	16.28	64.851		
4,800.0	3,767.6	4,704.7	4,255.1	48.9	32.6	-179.37	1,763.6	-29.6	1,084.2	1,067.6	16.60	65.313		
4,900.0	3,839.1	4,783.1	4,324.9	50.1	33.2	-179.44	1,799.2	-28.8	1,114.0	1,097.1	16.92	65.844		
5,000.0	3,910.6	4,861.0	4,394.9	51.4	33.9	-179.50	1,833.4	-28.4	1,145.4	1,128.1	17.24	66.446		
5,100.0	3,982.1	4,952.1	4,477.1	52.6	34.6	-179.56	1,872.8	-27.9	1,177.5	1,159.9	17.58	66.987		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design												I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF01D I 25 596 - DD Stk - DD Stk		Offset Site Error:		0.0 ft	
Survey Program:												211-MWD, 5356-MWD		Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance							Warning			
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre	Between Centres	Between Ellipses	Total Uncertainty	Separation Factor						
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)	Axis						
5,200.0	4,053.6	5,041.6	4,557.9	53.8	35.2	-179.62	1,911.2	-27.2	1,210.0	1,192.1	17.92	67.535					
5,300.0	4,125.2	5,122.5	4,631.1	55.1	35.8	-179.65	1,945.4	-27.1	1,243.0	1,224.8	18.24	68.148					
5,400.0	4,198.1	5,197.0	4,699.3	56.2	36.4	-179.67	1,975.6	-27.3	1,275.9	1,257.2	18.67	68.322					
5,500.0	4,274.5	5,254.6	4,752.4	57.3	36.7	-179.69	1,997.8	-27.3	1,305.9	1,286.8	19.06	68.499					
5,600.0	4,354.2	5,312.5	4,806.3	58.4	37.1	-179.72	2,018.9	-27.1	1,333.3	1,313.8	19.42	68.648					
5,700.0	4,436.9	5,360.9	4,852.1	59.3	37.4	-179.73	2,034.9	-27.2	1,358.9	1,339.2	19.73	68.883					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF02D I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 128-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	-131.41	-62.8	-71.2	95.6					
100.0	100.0	88.7	88.7	0.1	0.1	-131.43	-62.6	-70.9	94.6	94.3	0.27	348.205		
200.0	200.0	189.1	189.1	0.3	0.3	-131.34	-61.8	-70.2	93.5	92.9	0.61	152.642		
234.0	234.0	223.1	223.1	0.4	0.4	-130.63	-61.2	-70.2	93.3	92.6	0.73	127.159 CC, ES		
300.0	300.0	290.1	290.0	0.5	0.5	-130.39	-58.9	-70.9	93.9	92.9	0.98	96.289		
400.0	399.6	390.2	389.7	0.7	0.7	-129.03	-51.0	-74.2	96.3	94.9	1.39	69.156		
500.0	498.8	491.1	489.7	1.0	1.0	-127.21	-39.4	-81.0	102.5	100.5	1.91	53.595		
600.0	597.1	590.2	587.4	1.4	1.3	-125.55	-24.2	-89.4	110.8	108.2	2.55	43.392		
700.0	694.3	689.6	684.4	1.8	1.7	-124.05	-5.8	-100.6	122.6	119.3	3.33	36.820		
800.0	790.2	790.4	781.9	2.3	2.2	-123.03	16.1	-113.4	136.6	132.3	4.25	32.133		
900.0	884.4	891.1	877.9	3.0	2.8	-121.83	42.9	-127.8	151.9	146.6	5.34	28.453		
1,000.0	976.8	990.4	970.6	3.7	3.4	-120.32	74.4	-144.3	169.1	162.5	6.60	25.613		
1,100.0	1,067.1	1,089.4	1,060.7	4.4	4.1	-118.47	110.6	-163.3	188.5	180.4	8.06	23.378		
1,200.0	1,154.9	1,187.4	1,147.8	5.3	5.0	-116.75	150.5	-184.2	210.0	200.3	9.67	21.725		
1,300.0	1,240.2	1,283.3	1,231.4	6.3	5.8	-115.50	191.9	-206.3	234.0	222.6	11.36	20.592		
1,400.0	1,322.6	1,378.6	1,313.0	7.3	6.7	-114.65	235.1	-229.9	260.7	247.5	13.16	19.804		
1,500.0	1,401.9	1,475.0	1,393.2	8.4	7.7	-113.86	281.7	-255.9	289.8	274.7	15.10	19.185		
1,600.0	1,477.9	1,572.0	1,471.8	9.5	8.7	-113.18	331.9	-283.0	320.1	302.9	17.15	18.662		
1,700.0	1,550.6	1,668.6	1,549.4	10.8	9.8	-113.29	382.5	-310.0	352.0	332.8	19.22	18.318		
1,800.0	1,622.1	1,764.9	1,626.1	12.0	10.8	-114.02	434.2	-337.0	384.1	362.8	21.28	18.047		
1,900.0	1,693.6	1,864.1	1,704.8	13.2	11.9	-114.60	488.0	-364.3	415.5	392.1	23.38	17.768		
2,000.0	1,765.1	1,959.6	1,780.5	14.4	13.0	-115.07	540.2	-390.1	446.2	420.8	25.45	17.532		
2,100.0	1,836.6	2,052.0	1,853.8	15.7	14.0	-115.47	590.6	-415.2	477.2	449.7	27.49	17.362		
2,200.0	1,908.1	2,142.0	1,924.8	16.9	15.0	-115.73	639.8	-440.6	509.1	479.5	29.52	17.245		
2,300.0	1,979.7	2,229.9	1,993.7	18.1	16.0	-115.89	687.6	-466.5	541.9	510.4	31.54	17.181		
2,400.0	2,051.2	2,322.2	2,066.1	19.4	17.1	-116.01	737.5	-494.6	575.8	542.2	33.62	17.127		
2,500.0	2,122.7	2,417.2	2,140.8	20.6	18.2	-116.15	788.9	-523.3	609.4	573.7	35.71	17.065		
2,600.0	2,194.2	2,511.7	2,215.4	21.8	19.2	-116.34	839.4	-551.5	643.1	605.4	37.77	17.028		
2,700.0	2,265.7	2,607.5	2,291.7	23.0	20.3	-116.60	890.1	-579.5	676.6	636.8	39.81	16.995		
2,800.0	2,337.2	2,700.8	2,366.4	24.3	21.3	-116.89	939.1	-606.3	710.1	668.3	41.81	16.984 SF		
2,900.0	2,408.8	2,787.8	2,436.3	25.5	22.3	-117.16	984.4	-631.7	744.1	700.3	43.75	17.009		
3,000.0	2,480.3	2,882.8	2,512.5	26.7	23.3	-117.41	1,033.7	-659.8	778.5	732.8	45.76	17.015		
3,100.0	2,551.8	2,976.6	2,588.0	28.0	24.3	-117.67	1,082.2	-687.3	812.8	765.1	47.74	17.028		
3,200.0	2,623.3	3,069.0	2,662.8	29.2	25.3	-117.97	1,129.3	-713.9	847.3	797.6	49.67	17.059		
3,300.0	2,694.8	3,160.8	2,737.8	30.4	26.3	-118.31	1,175.4	-740.1	881.9	830.3	51.56	17.105		
3,400.0	2,766.3	3,252.5	2,813.1	31.7	27.2	-118.69	1,220.7	-766.0	916.8	863.3	53.42	17.162		
3,500.0	2,837.9	3,347.5	2,891.8	32.9	28.2	-119.11	1,267.1	-792.4	951.7	896.4	55.27	17.219		
3,600.0	2,909.4	3,443.2	2,971.3	34.1	29.2	-119.53	1,313.5	-818.5	986.5	929.4	57.12	17.270		
3,700.0	2,980.9	3,538.9	3,050.4	35.4	30.1	-119.89	1,360.4	-844.8	1,021.1	962.1	58.98	17.313		
3,800.0	3,052.4	3,633.4	3,128.8	36.6	31.1	-120.25	1,406.6	-870.4	1,055.6	994.8	60.81	17.359		
3,900.0	3,123.9	3,722.6	3,203.3	37.8	32.0	-120.62	1,449.5	-894.1	1,090.3	1,027.8	62.55	17.431		
4,000.0	3,195.4	3,807.7	3,275.1	39.0	32.8	-121.01	1,489.5	-916.6	1,125.6	1,061.4	64.21	17.529		
4,100.0	3,267.0	3,891.7	3,346.5	40.3	33.6	-121.45	1,527.6	-938.6	1,161.7	1,095.9	65.82	17.649		
4,200.0	3,338.5	3,986.9	3,428.0	41.5	34.5	-121.95	1,570.2	-963.4	1,198.1	1,130.6	67.48	17.756		
4,300.0	3,410.0	4,087.4	3,514.2	42.7	35.5	-122.46	1,615.2	-988.9	1,234.1	1,165.0	69.15	17.847		
4,400.0	3,481.5	4,179.9	3,593.5	44.0	36.3	-122.91	1,656.8	-1,012.1	1,270.0	1,199.2	70.77	17.946		
4,500.0	3,553.0	4,269.3	3,670.2	45.2	37.2	-123.33	1,696.7	-1,034.6	1,306.1	1,233.7	72.36	18.051		
4,600.0	3,624.5	4,354.0	3,742.9	46.4	38.0	-123.71	1,734.5	-1,056.0	1,342.3	1,268.4	73.91	18.161		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF02D I 25 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: O-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	-131.41	-62.8	-71.2	140.8					
100.0	100.0	0.0	0.0	0.1	0.0	-131.41	-62.8	-71.2	95.0	94.8	0.14	696.566		
134.7	134.7	30.7	30.7	0.2	0.1	-131.41	-62.8	-71.2	94.9	94.6	0.25	378.777		
200.0	200.0	96.0	96.0	0.3	0.2	-131.41	-62.8	-71.2	94.9	94.4	0.48	198.404 CC, ES		
300.0	300.0	196.0	196.0	0.5	0.3	-131.95	-62.8	-71.2	96.6	95.8	0.83	116.171		
400.0	399.6	296.4	296.4	0.7	0.5	-134.84	-62.3	-71.4	101.9	100.7	1.20	84.623		
500.0	498.8	397.7	397.6	1.0	0.7	-137.02	-57.7	-73.9	109.7	108.1	1.62	67.759		
600.0	597.1	499.2	498.5	1.4	1.0	-138.12	-48.5	-78.9	119.7	117.6	2.11	56.700		
700.0	694.3	600.9	598.9	1.8	1.3	-138.31	-34.5	-86.6	131.8	129.1	2.71	48.558		
800.0	790.2	702.5	698.3	2.3	1.7	-137.80	-15.9	-96.7	145.9	142.4	3.45	42.224		
900.0	884.4	804.0	796.3	3.0	2.2	-136.76	7.3	-109.4	161.9	157.6	4.35	37.203		
1,000.0	976.8	905.4	892.6	3.7	2.7	-135.37	35.0	-124.5	180.0	174.6	5.42	33.200		
1,100.0	1,067.1	1,006.5	986.8	4.4	3.4	-133.75	67.0	-142.0	200.1	193.4	6.67	30.004		
1,200.0	1,154.9	1,107.2	1,078.7	5.3	4.2	-131.98	103.3	-161.8	222.2	214.1	8.09	27.450		
1,300.0	1,240.2	1,207.5	1,167.9	6.3	5.0	-130.14	143.6	-183.8	246.3	236.6	9.70	25.404		
1,400.0	1,322.6	1,307.4	1,254.2	7.3	6.0	-128.27	187.7	-207.8	272.5	261.0	11.47	23.758		
1,500.0	1,401.9	1,406.8	1,337.3	8.4	7.0	-126.41	235.5	-233.9	300.6	287.2	13.40	22.429		
1,600.0	1,477.9	1,503.8	1,416.0	9.5	8.0	-124.70	285.3	-261.1	330.8	315.4	15.43	21.447		
1,700.0	1,550.6	1,598.2	1,492.2	10.8	9.0	-123.87	334.2	-287.8	363.7	346.3	17.40	20.898		
1,800.0	1,622.1	1,692.3	1,568.3	12.0	10.0	-123.94	382.9	-314.4	397.4	378.1	19.34	20.548		
1,900.0	1,693.6	1,786.5	1,644.3	13.2	11.0	-124.00	431.7	-341.0	431.1	409.8	21.28	20.259		
2,000.0	1,765.1	1,880.6	1,720.3	14.4	12.0	-124.05	480.5	-367.6	464.8	441.6	23.22	20.015		
2,100.0	1,836.6	1,974.8	1,796.3	15.7	13.1	-124.09	529.2	-394.2	498.6	473.4	25.17	19.807		
2,200.0	1,908.1	2,068.9	1,872.3	16.9	14.1	-124.13	578.0	-420.8	532.3	505.2	27.12	19.629		
2,300.0	1,979.7	2,163.1	1,948.3	18.1	15.1	-124.16	626.7	-447.4	566.0	536.9	29.07	19.473		
2,400.0	2,051.2	2,257.2	2,024.3	19.4	16.1	-124.19	675.5	-474.0	599.7	568.7	31.02	19.336		
2,500.0	2,122.7	2,351.3	2,100.3	20.6	17.1	-124.22	724.3	-500.6	633.4	600.5	32.97	19.215		
2,600.0	2,194.2	2,445.5	2,176.3	21.8	18.1	-124.24	773.0	-527.2	667.1	632.2	34.92	19.107		
2,700.0	2,265.7	2,539.6	2,252.4	23.0	19.2	-124.26	821.8	-553.8	700.9	664.0	36.87	19.010		
2,800.0	2,337.2	2,633.8	2,328.4	24.3	20.2	-124.28	870.5	-580.4	734.6	695.8	38.82	18.923		
2,900.0	2,408.8	2,727.9	2,404.4	25.5	21.2	-124.30	919.3	-607.0	768.3	727.5	40.77	18.844		
3,000.0	2,480.3	2,822.1	2,480.4	26.7	22.2	-124.32	968.0	-633.6	802.0	759.3	42.72	18.772		
3,100.0	2,551.8	2,916.2	2,556.4	28.0	23.2	-124.33	1,016.8	-660.2	835.7	791.1	44.68	18.706		
3,200.0	2,623.3	3,010.4	2,632.4	29.2	24.3	-124.34	1,065.6	-686.8	869.5	822.8	46.63	18.643		
3,300.0	2,694.8	3,104.5	2,708.4	30.4	25.3	-124.36	1,114.3	-713.4	903.2	854.6	48.58	18.590		
3,400.0	2,766.3	3,198.6	2,784.4	31.7	26.3	-124.37	1,163.1	-740.0	936.9	886.3	50.54	18.538		
3,500.0	2,837.9	3,292.8	2,860.5	32.9	27.3	-124.38	1,211.8	-766.6	970.6	918.1	52.49	18.491		
3,600.0	2,909.4	3,386.9	2,936.5	34.1	28.3	-124.39	1,260.6	-793.3	1,004.3	949.9	54.45	18.446		
3,700.0	2,980.9	3,481.1	3,012.5	35.4	29.3	-124.40	1,309.4	-819.9	1,038.0	981.6	56.40	18.405		
3,800.0	3,052.4	3,575.2	3,088.5	36.6	30.4	-124.41	1,358.1	-846.5	1,071.8	1,013.4	58.35	18.366		
3,900.0	3,123.9	3,669.4	3,164.5	37.8	31.4	-124.42	1,406.9	-873.1	1,105.5	1,045.2	60.31	18.330		
4,000.0	3,195.4	3,763.5	3,240.5	39.0	32.4	-124.42	1,455.6	-899.7	1,139.2	1,076.9	62.26	18.296		
4,100.0	3,267.0	3,857.6	3,316.5	40.3	33.4	-124.43	1,504.4	-926.3	1,172.9	1,108.7	64.22	18.264		
4,200.0	3,338.5	3,951.8	3,392.5	41.5	34.4	-124.44	1,553.2	-952.9	1,206.6	1,140.5	66.17	18.234		
4,300.0	3,410.0	4,045.9	3,468.5	42.7	35.5	-124.45	1,601.9	-979.5	1,240.3	1,172.2	68.13	18.206		
4,400.0	3,481.5	4,140.1	3,544.6	44.0	36.5	-124.45	1,650.7	-1,006.1	1,274.1	1,204.0	70.08	18.179		
4,500.0	3,553.0	4,234.2	3,620.6	45.2	37.5	-124.46	1,699.4	-1,032.7	1,307.8	1,235.7	72.04	18.154		
4,600.0	3,624.5	4,328.4	3,696.6	46.4	38.5	-124.46	1,748.2	-1,059.3	1,341.5	1,267.5	73.99	18.130 SF		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF07B I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 190-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	-131.45	-72.4	-81.9	110.0					
100.0	100.0	87.9	87.9	0.1	0.1	-131.28	-72.1	-82.2	109.3	109.1	0.28	392.792 CC		
200.0	200.0	187.8	187.8	0.3	0.3	-130.69	-71.4	-83.0	109.5	108.8	0.61	178.126 ES		
300.0	300.0	288.0	287.9	0.5	0.5	-129.53	-69.1	-85.0	111.2	110.2	0.98	113.361		
400.0	399.6	387.4	387.2	0.7	0.7	-129.25	-64.3	-89.2	116.3	114.9	1.39	83.588		
500.0	498.8	485.3	484.5	1.0	0.9	-129.02	-57.5	-96.5	125.8	123.9	1.87	67.196		
600.0	597.1	583.4	581.6	1.4	1.2	-128.67	-48.1	-107.0	139.4	137.0	2.45	56.917		
700.0	694.3	680.8	677.4	1.8	1.6	-128.43	-36.7	-120.4	157.2	154.0	3.13	50.144		
800.0	790.2	778.1	772.0	2.3	2.0	-127.64	-21.5	-137.3	178.4	174.4	3.98	44.850		
900.0	884.4	872.0	861.7	3.0	2.5	-126.32	-3.0	-157.7	203.5	198.6	4.96	41.008		
1,000.0	976.8	965.9	950.0	3.7	3.1	-124.87	18.0	-181.9	233.1	227.0	6.10	38.224		
1,100.0	1,067.1	1,058.4	1,035.6	4.4	3.7	-123.62	41.2	-208.1	265.8	258.5	7.35	36.175		
1,200.0	1,154.9	1,146.0	1,115.2	5.3	4.4	-122.42	64.9	-236.0	302.8	294.1	8.69	34.833		
1,300.0	1,240.2	1,234.2	1,193.8	6.3	5.2	-121.31	90.3	-266.8	343.7	333.5	10.15	33.851		
1,400.0	1,322.6	1,322.7	1,271.0	7.3	6.0	-120.20	118.1	-299.9	387.4	375.7	11.74	33.002		
1,500.0	1,401.9	1,406.4	1,342.2	8.4	6.8	-119.03	146.4	-333.6	434.3	420.9	13.39	32.425		
1,600.0	1,477.9	1,490.7	1,412.8	9.5	7.7	-118.01	175.9	-369.2	484.1	469.0	15.13	32.003		
1,700.0	1,550.6	1,573.0	1,480.9	10.8	8.6	-117.54	205.3	-404.7	536.5	519.6	16.89	31.767		
1,800.0	1,622.1	1,657.4	1,550.2	12.0	9.5	-118.26	235.8	-442.0	589.9	571.2	18.68	31.572		
1,900.0	1,693.6	1,745.4	1,622.1	13.2	10.5	-118.80	268.3	-480.9	643.0	622.5	20.53	31.323		
2,000.0	1,765.1	1,830.9	1,691.7	14.4	11.4	-119.21	300.5	-518.7	695.8	673.4	22.36	31.113		
2,100.0	1,836.6	1,910.9	1,756.6	15.7	12.3	-119.51	330.6	-554.4	748.9	724.7	24.15	31.005		
2,200.0	1,908.1	1,998.3	1,827.5	16.9	13.3	-119.79	363.4	-593.7	802.2	776.2	26.01	30.843		
2,300.0	1,979.7	2,086.4	1,899.2	18.1	14.3	-120.06	396.5	-632.7	855.1	827.3	27.87	30.687		
2,400.0	2,051.2	2,169.0	1,966.6	19.4	15.2	-120.31	427.5	-669.0	907.9	878.2	29.67	30.598		
2,500.0	2,122.7	2,243.1	2,026.8	20.6	16.1	-120.48	455.1	-702.3	961.4	930.0	31.42	30.601		
2,600.0	2,194.2	2,318.2	2,087.3	21.8	16.9	-120.59	482.9	-737.0	1,015.8	982.6	33.18	30.616		
2,700.0	2,265.7	2,401.4	2,154.1	23.0	17.9	-120.68	513.8	-775.8	1,070.5	1,035.5	35.02	30.566		
2,800.0	2,337.2	2,484.9	2,221.1	24.3	18.8	-120.76	544.8	-814.7	1,125.2	1,088.4	36.86	30.525		
2,900.0	2,408.8	2,573.7	2,292.8	25.5	19.9	-120.86	577.5	-855.8	1,179.8	1,141.1	38.74	30.452		
3,000.0	2,480.3	2,653.1	2,357.2	26.7	20.7	-120.98	606.5	-892.2	1,234.3	1,193.8	40.52	30.465		
3,100.0	2,551.8	2,736.3	2,425.1	28.0	21.7	-121.13	636.2	-930.1	1,289.1	1,246.8	42.31	30.465		
3,200.0	2,623.3	2,838.6	2,508.4	29.2	22.8	-121.30	673.2	-976.2	1,343.4	1,299.1	44.29	30.333 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF07B I 25 596 - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance				Total	Separation	Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Uncertainty Axis	Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-131.45	-72.4	-81.9	151.6					
100.0	100.0	0.0	0.0	0.1	0.0	-131.45	-72.4	-81.9	109.4	109.3	0.14	802.618		
135.1	135.1	30.1	30.1	0.2	0.1	-131.45	-72.4	-81.9	109.3	109.1	0.25	437.194		
200.0	200.0	95.0	95.0	0.3	0.2	-131.45	-72.4	-81.9	109.3	108.8	0.48	229.412 CC, ES		
300.0	300.0	195.0	195.0	0.5	0.3	-131.84	-72.4	-81.9	111.0	110.2	0.83	133.797		
400.0	399.6	294.4	294.4	0.7	0.5	-134.34	-72.0	-82.3	116.5	115.3	1.20	96.988		
500.0	498.8	393.4	393.3	1.0	0.7	-136.15	-68.9	-86.1	126.1	124.5	1.61	78.099		
600.0	597.1	492.1	491.5	1.4	0.9	-136.93	-62.5	-93.7	139.9	137.8	2.11	66.294		
700.0	694.3	590.3	588.5	1.8	1.2	-136.86	-52.9	-105.1	157.6	154.9	2.72	57.987		
800.0	790.2	687.7	683.9	2.3	1.6	-136.17	-40.3	-120.2	179.2	175.8	3.46	51.798		
900.0	884.4	784.0	777.1	3.0	2.1	-135.06	-24.7	-138.8	204.7	200.3	4.35	47.086		
1,000.0	976.8	879.1	867.8	3.7	2.6	-133.70	-6.4	-160.7	233.9	228.5	5.38	43.473		
1,100.0	1,067.1	972.7	955.6	4.4	3.2	-132.19	14.4	-185.5	266.9	260.3	6.56	40.693		
1,200.0	1,154.9	1,064.8	1,040.3	5.3	3.9	-130.60	37.5	-213.2	303.5	295.6	7.87	38.548		
1,300.0	1,240.2	1,155.0	1,121.5	6.3	4.7	-128.97	62.7	-243.3	343.6	334.3	9.31	36.885		
1,400.0	1,322.6	1,243.5	1,199.3	7.3	5.5	-127.32	89.8	-275.6	387.1	376.2	10.88	35.593		
1,500.0	1,401.9	1,330.0	1,273.4	8.4	6.3	-125.65	118.5	-309.9	433.8	421.3	12.54	34.583		
1,600.0	1,477.9	1,414.7	1,343.8	9.5	7.2	-123.97	148.6	-345.9	483.6	469.3	14.30	33.813		
1,700.0	1,550.6	1,499.8	1,413.7	10.8	8.1	-122.86	179.9	-383.2	536.1	520.0	16.10	33.294		
1,800.0	1,622.1	1,584.4	1,483.1	12.0	9.1	-123.08	210.9	-420.3	589.3	571.4	17.88	32.955		
1,900.0	1,693.6	1,669.1	1,552.6	13.2	10.0	-123.27	242.0	-457.3	642.5	622.9	19.67	32.671		
2,000.0	1,765.1	1,753.7	1,622.1	14.4	10.9	-123.43	273.0	-494.4	695.8	674.3	21.45	32.431		
2,100.0	1,836.6	1,838.4	1,691.5	15.7	11.8	-123.56	304.1	-531.5	749.0	725.7	23.24	32.224		
2,200.0	1,908.1	1,923.0	1,761.0	16.9	12.8	-123.68	335.1	-568.6	802.2	777.2	25.03	32.045		
2,300.0	1,979.7	2,007.7	1,830.4	18.1	13.7	-123.78	366.2	-605.7	855.5	828.6	26.83	31.889		
2,400.0	2,051.2	2,092.3	1,899.9	19.4	14.6	-123.87	397.2	-642.8	908.7	880.1	28.62	31.751		
2,500.0	2,122.7	2,176.9	1,969.4	20.6	15.5	-123.96	428.3	-679.9	961.9	931.5	30.41	31.628		
2,600.0	2,194.2	2,261.6	2,038.8	21.8	16.5	-124.03	459.3	-716.9	1,015.2	983.0	32.21	31.518		
2,700.0	2,265.7	2,346.2	2,108.3	23.0	17.4	-124.09	490.4	-754.0	1,068.4	1,034.4	34.00	31.420		
2,800.0	2,337.2	2,430.9	2,177.8	24.3	18.3	-124.15	521.4	-791.1	1,121.6	1,085.8	35.80	31.330		
2,900.0	2,408.8	2,515.5	2,247.2	25.5	19.3	-124.21	552.5	-828.2	1,174.9	1,137.3	37.60	31.249		
3,000.0	2,480.3	2,600.2	2,316.7	26.7	20.2	-124.26	583.5	-865.3	1,228.1	1,188.7	39.39	31.175		
3,100.0	2,551.8	2,684.8	2,386.1	28.0	21.1	-124.30	614.6	-902.4	1,281.4	1,240.2	41.19	31.108		
3,200.0	2,623.3	2,769.5	2,455.6	29.2	22.1	-124.34	645.7	-939.5	1,334.6	1,291.6	42.99	31.045 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF07D I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 150-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis			Distance						Warning	
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)	Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor		
0.0	0.0	0.0	0.0	0.0	0.0	-153.12	-119.6	-60.7	134.7					
100.0	100.0	88.0	88.0	0.1	0.1	-153.10	-119.6	-60.7	134.1	133.9	0.27	490.696		
158.6	158.6	146.6	146.6	0.2	0.2	-153.07	-119.6	-60.8	134.1	133.7	0.47	287.164 CC		
200.0	200.0	187.9	187.9	0.3	0.3	-153.04	-119.6	-60.8	134.2	133.5	0.61	219.672 ES		
300.0	300.0	287.7	287.7	0.5	0.5	-152.79	-119.6	-61.2	136.7	135.7	0.96	142.235		
400.0	399.6	386.8	386.8	0.7	0.6	-153.70	-119.4	-62.3	144.0	142.7	1.32	109.418		
500.0	498.8	487.6	487.6	1.0	0.8	-155.17	-119.2	-63.7	156.2	154.5	1.68	92.793		
600.0	597.1	590.1	589.9	1.4	1.0	-155.73	-115.2	-68.2	171.0	168.9	2.08	82.337		
700.0	694.3	690.6	690.0	1.8	1.2	-155.69	-108.2	-75.0	188.7	186.2	2.51	75.305		
800.0	790.2	788.5	787.0	2.3	1.5	-155.35	-99.9	-84.2	210.7	207.7	2.98	70.644		
900.0	884.4	885.1	882.6	3.0	1.7	-155.02	-90.8	-95.0	237.1	233.6	3.51	67.633		
1,000.0	976.8	981.3	977.5	3.7	2.0	-154.79	-81.1	-107.0	268.1	264.0	4.08	65.788		
1,100.0	1,067.1	1,078.2	1,072.7	4.4	2.4	-154.34	-69.3	-121.4	302.5	297.8	4.72	64.066		
1,200.0	1,154.9	1,172.0	1,164.2	5.3	2.7	-153.80	-56.5	-137.2	340.7	335.3	5.43	62.805		
1,300.0	1,240.2	1,265.3	1,254.9	6.3	3.1	-153.29	-42.6	-154.3	382.8	376.6	6.19	61.870		
1,400.0	1,322.6	1,359.0	1,345.3	7.3	3.5	-152.64	-27.0	-173.5	428.3	421.3	7.03	60.893		
1,500.0	1,401.9	1,447.2	1,429.6	8.4	4.0	-151.92	-10.6	-193.3	477.0	469.1	7.93	60.126		
1,600.0	1,477.9	1,536.1	1,514.1	9.5	4.5	-151.17	6.6	-214.8	529.7	520.8	8.90	59.490		
1,700.0	1,550.6	1,624.2	1,597.2	10.8	5.0	-150.62	25.2	-237.4	585.1	575.2	9.92	58.960		
1,800.0	1,622.1	1,710.5	1,678.0	12.0	5.6	-150.68	44.5	-260.9	641.2	630.3	10.97	58.462		
1,900.0	1,693.6	1,795.6	1,757.1	13.2	6.1	-150.59	64.4	-285.1	696.9	684.9	12.05	57.846		
2,000.0	1,765.1	1,877.0	1,832.7	14.4	6.7	-150.51	83.4	-308.3	752.6	739.5	13.12	57.369		
2,100.0	1,836.6	1,959.4	1,909.1	15.7	7.2	-150.38	102.9	-332.5	808.5	794.3	14.22	56.842		
2,200.0	1,908.1	2,044.2	1,987.5	16.9	7.8	-150.23	123.0	-357.7	864.3	848.9	15.36	56.283		
2,300.0	1,979.7	2,128.3	2,065.2	18.1	8.4	-150.10	143.1	-382.6	920.0	903.5	16.49	55.786		
2,400.0	2,051.2	2,221.4	2,151.1	19.4	9.1	-149.94	166.0	-410.5	975.2	957.5	17.70	55.093		
2,500.0	2,122.7	2,293.4	2,217.4	20.6	9.6	-149.81	183.9	-432.3	1,030.4	1,011.6	18.79	54.828		
2,600.0	2,194.2	2,377.2	2,294.4	21.8	10.2	-149.65	204.3	-458.2	1,086.1	1,066.2	19.97	54.378		
2,700.0	2,265.7	2,462.3	2,372.6	23.0	10.8	-149.49	225.3	-484.5	1,141.7	1,120.5	21.17	53.923		
2,800.0	2,337.2	2,545.3	2,448.6	24.3	11.4	-149.33	245.9	-510.5	1,197.1	1,174.7	22.37	53.521		
2,900.0	2,408.8	2,622.0	2,519.0	25.5	12.0	-149.20	264.7	-534.5	1,252.9	1,229.4	23.52	53.277		
3,000.0	2,480.3	2,708.6	2,598.7	26.7	12.6	-149.09	285.7	-561.3	1,308.8	1,284.1	24.72	52.948 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF08B I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 127-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	-131.50	-52.8	-59.7	80.6					
100.0	100.0	87.9	87.9	0.1	0.1	-131.64	-53.0	-59.6	79.8	79.5	0.27	295.091 CC		
200.0	200.0	187.9	187.9	0.3	0.3	-131.99	-53.5	-59.5	80.0	79.4	0.61	130.906 ES		
300.0	300.0	288.2	288.2	0.5	0.5	-132.53	-53.2	-59.6	81.7	80.7	0.96	84.678		
400.0	399.6	388.9	388.9	0.7	0.7	-135.05	-51.4	-60.4	86.3	85.0	1.34	64.542		
500.0	498.8	489.1	489.0	1.0	0.8	-138.56	-47.8	-61.5	94.0	92.3	1.74	54.162		
600.0	597.1	589.9	589.6	1.4	1.0	-142.13	-42.0	-63.5	104.9	102.8	2.16	48.494		
700.0	694.3	693.2	692.3	1.8	1.3	-144.81	-31.7	-66.9	117.7	115.1	2.64	44.617		
800.0	790.2	795.8	793.6	2.3	1.6	-146.67	-16.3	-71.2	131.2	128.1	3.16	41.511		
900.0	884.4	897.9	893.8	3.0	1.9	-148.02	2.8	-76.7	146.7	143.0	3.74	39.255		
1,000.0	976.8	1,000.4	993.5	3.7	2.3	-149.06	25.6	-83.2	164.1	159.8	4.37	37.544		
1,100.0	1,067.1	1,102.2	1,091.7	4.4	2.8	-149.87	51.5	-90.7	183.6	178.6	5.06	36.273		
1,200.0	1,154.9	1,200.9	1,186.0	5.3	3.3	-150.37	79.2	-99.6	206.1	200.3	5.80	35.517		
1,300.0	1,240.2	1,300.7	1,280.8	6.3	3.9	-150.91	108.6	-109.6	232.2	225.6	6.59	35.253		
1,400.0	1,322.6	1,402.7	1,376.6	7.3	4.5	-151.21	141.6	-121.5	260.8	253.3	7.45	34.982		
1,500.0	1,401.9	1,502.6	1,468.9	8.4	5.2	-151.05	177.4	-135.4	291.6	283.2	8.44	34.538		
1,600.0	1,477.9	1,605.6	1,562.2	9.5	5.9	-150.63	217.4	-152.1	324.8	315.2	9.57	33.947		
1,700.0	1,550.6	1,703.7	1,650.1	10.8	6.7	-150.43	258.1	-168.4	360.0	349.3	10.69	33.671		
1,800.0	1,622.1	1,802.8	1,738.0	12.0	7.5	-150.59	300.6	-185.2	395.4	383.5	11.84	33.396		
1,900.0	1,693.6	1,891.8	1,816.8	13.2	8.3	-150.69	338.9	-200.4	430.5	417.6	12.93	33.303		
2,000.0	1,765.1	1,989.2	1,903.3	14.4	9.1	-150.82	380.5	-216.8	465.9	451.8	14.06	33.141		
2,100.0	1,836.6	2,078.3	1,982.6	15.7	9.8	-150.95	418.5	-231.6	501.3	486.2	15.13	33.130		
2,200.0	1,908.1	2,174.2	2,067.8	16.9	10.6	-151.08	459.5	-247.6	536.7	520.5	16.25	33.038		
2,300.0	1,979.7	2,271.1	2,154.0	18.1	11.4	-151.26	500.8	-262.9	571.8	554.5	17.33	33.000		
2,400.0	2,051.2	2,364.5	2,237.1	19.4	12.1	-151.41	541.0	-277.7	606.6	588.2	18.40	32.962		
2,500.0	2,122.7	2,463.0	2,324.4	20.6	12.9	-151.53	583.7	-293.3	641.1	621.6	19.51	32.858 SF		
2,600.0	2,194.2	2,547.3	2,399.4	21.8	13.6	-151.66	619.9	-306.3	675.8	655.3	20.52	32.935		
2,700.0	2,265.7	2,633.8	2,477.1	23.0	14.3	-151.86	655.8	-319.4	711.8	690.4	21.48	33.136		
2,800.0	2,337.2	2,726.7	2,560.6	24.3	15.0	-152.09	693.8	-333.3	748.3	725.8	22.47	33.304		
2,900.0	2,408.8	2,817.0	2,641.4	25.5	15.8	-152.17	731.4	-348.2	784.6	761.1	23.53	33.349		
3,000.0	2,480.3	2,897.9	2,714.0	26.7	16.4	-152.23	764.5	-361.9	821.8	797.3	24.52	33.515		
3,100.0	2,551.8	3,000.4	2,806.2	28.0	17.2	-152.32	805.6	-379.2	859.7	834.0	25.63	33.546		
3,200.0	2,623.3	3,084.3	2,881.5	29.2	17.9	-152.35	839.9	-393.8	897.1	870.4	26.66	33.652		
3,300.0	2,694.8	3,185.4	2,972.3	30.4	18.7	-152.40	880.7	-411.2	934.9	907.1	27.78	33.658		
3,400.0	2,766.3	3,273.1	3,050.9	31.7	19.4	-152.44	916.5	-426.2	972.1	943.3	28.82	33.732		
3,500.0	2,837.9	3,364.9	3,133.4	32.9	20.1	-152.49	953.5	-441.9	1,009.9	980.0	29.88	33.801		
3,600.0	2,909.4	3,455.5	3,214.8	34.1	20.8	-152.53	990.1	-457.5	1,047.6	1,016.7	30.93	33.872		
3,700.0	2,980.9	3,560.1	3,308.9	35.4	21.7	-152.60	1,032.3	-474.9	1,085.2	1,053.1	32.02	33.886		
3,800.0	3,052.4	3,652.1	3,391.5	36.6	22.4	-152.68	1,070.0	-489.5	1,121.9	1,088.9	33.05	33.949		
3,900.0	3,123.9	3,747.0	3,476.8	37.8	23.2	-152.75	1,108.8	-504.8	1,158.8	1,124.8	34.08	34.005		
4,000.0	3,195.4	3,842.5	3,562.9	39.0	23.9	-152.87	1,147.8	-519.2	1,195.5	1,160.5	35.06	34.099		
4,100.0	3,267.0	3,925.8	3,638.1	40.3	24.5	-153.01	1,181.5	-531.0	1,232.2	1,196.3	35.94	34.284		
4,200.0	3,338.5	3,988.0	3,694.8	41.5	25.0	-153.14	1,205.6	-539.6	1,270.4	1,233.7	36.71	34.606		
4,300.0	3,410.0	4,051.6	3,753.4	42.7	25.4	-153.30	1,228.7	-548.4	1,310.7	1,273.3	37.43	35.018		
4,400.0	3,481.5	4,108.0	3,805.9	44.0	25.8	-153.48	1,247.7	-556.0	1,353.4	1,315.3	38.09	35.530		

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 WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF08B I 25 596 - DD - Plan #1													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	-131.50	-52.8	-59.7	132.6					
100.0	100.0	0.0	0.0	0.1	0.0	-131.50	-52.8	-59.7	80.0	79.8	0.14	586.536		
135.5	135.5	29.5	29.5	0.2	0.1	-131.50	-52.8	-59.7	79.7	79.5	0.25	319.485		
200.0	200.0	94.0	94.0	0.3	0.2	-131.50	-52.8	-59.7	79.7	79.3	0.47	167.966 CC, ES		
300.0	300.0	194.0	194.0	0.5	0.3	-132.26	-52.8	-59.7	81.5	80.7	0.83	98.391		
400.0	399.6	294.2	294.2	0.7	0.5	-135.79	-52.5	-59.9	86.8	85.6	1.20	72.428		
500.0	498.8	395.0	394.9	1.0	0.7	-139.33	-49.5	-61.2	95.1	93.5	1.60	59.525		
600.0	597.1	495.9	495.6	1.4	0.9	-142.32	-43.2	-63.9	106.1	104.1	2.03	52.161		
700.0	694.3	596.9	596.0	1.8	1.1	-144.69	-33.6	-68.1	119.8	117.3	2.52	47.610		
800.0	790.2	697.9	696.1	2.3	1.4	-146.50	-20.8	-73.7	136.0	132.9	3.05	44.616		
900.0	884.4	799.0	795.7	3.0	1.8	-147.82	-4.8	-80.7	154.6	151.0	3.64	42.525		
1,000.0	976.8	900.2	894.6	3.7	2.2	-148.73	14.5	-89.1	175.7	171.4	4.29	40.974		
1,100.0	1,067.1	1,001.4	992.8	4.4	2.6	-149.33	37.0	-98.9	199.2	194.1	5.01	39.753		
1,200.0	1,154.9	1,102.6	1,090.1	5.3	3.1	-149.67	62.6	-110.0	224.9	219.1	5.80	38.745		
1,300.0	1,240.2	1,203.9	1,186.4	6.3	3.7	-149.81	91.4	-122.6	252.9	246.2	6.68	37.880		
1,400.0	1,322.6	1,305.2	1,281.5	7.3	4.3	-149.80	123.3	-136.5	283.1	275.4	7.63	37.117		
1,500.0	1,401.9	1,406.6	1,375.4	8.4	5.0	-149.67	158.3	-151.8	315.4	306.8	8.66	36.431		
1,600.0	1,477.9	1,508.0	1,468.0	9.5	5.8	-149.44	196.3	-168.3	349.9	340.1	9.77	35.811		
1,700.0	1,550.6	1,604.3	1,554.7	10.8	6.5	-149.30	234.8	-185.1	386.8	375.9	10.90	35.489		
1,800.0	1,622.1	1,696.8	1,637.8	12.0	7.2	-149.66	271.9	-201.3	424.7	412.7	11.98	35.465		
1,900.0	1,693.6	1,789.3	1,720.9	13.2	8.0	-149.96	309.1	-217.5	462.7	449.6	13.05	35.443		
2,000.0	1,765.1	1,881.8	1,804.1	14.4	8.7	-150.21	346.3	-233.7	500.6	486.5	14.13	35.424		
2,100.0	1,836.6	1,974.3	1,887.2	15.7	9.4	-150.42	383.4	-249.9	538.6	523.4	15.21	35.408		
2,200.0	1,908.1	2,066.8	1,970.3	16.9	10.1	-150.61	420.6	-266.1	576.6	560.3	16.29	35.394		
2,300.0	1,979.7	2,159.3	2,053.5	18.1	10.9	-150.78	457.8	-282.3	614.6	597.2	17.37	35.381		
2,400.0	2,051.2	2,251.8	2,136.6	19.4	11.6	-150.92	494.9	-298.5	652.6	634.1	18.45	35.371		
2,500.0	2,122.7	2,344.3	2,219.7	20.6	12.3	-151.05	532.1	-314.7	690.6	671.0	19.53	35.361		
2,600.0	2,194.2	2,436.8	2,302.9	21.8	13.1	-151.17	569.3	-330.9	728.6	708.0	20.61	35.352		
2,700.0	2,265.7	2,529.2	2,386.0	23.0	13.8	-151.27	606.4	-347.1	766.6	744.9	21.69	35.344		
2,800.0	2,337.2	2,621.7	2,469.1	24.3	14.5	-151.37	643.6	-363.3	804.6	781.8	22.77	35.337		
2,900.0	2,408.8	2,714.2	2,552.3	25.5	15.3	-151.45	680.8	-379.5	842.6	818.7	23.85	35.331		
3,000.0	2,480.3	2,806.7	2,635.4	26.7	16.0	-151.53	717.9	-395.7	880.6	855.6	24.93	35.326		
3,100.0	2,551.8	2,899.2	2,718.5	28.0	16.7	-151.60	755.1	-411.9	918.6	892.6	26.01	35.320		
3,200.0	2,623.3	2,991.7	2,801.6	29.2	17.5	-151.67	792.3	-428.1	956.6	929.5	27.09	35.316		
3,300.0	2,694.8	3,084.2	2,884.8	30.4	18.2	-151.73	829.4	-444.3	994.6	966.4	28.17	35.311		
3,400.0	2,766.3	3,176.7	2,967.9	31.7	18.9	-151.79	866.6	-460.5	1,032.6	1,003.4	29.25	35.307		
3,500.0	2,837.9	3,269.2	3,051.0	32.9	19.7	-151.84	903.8	-476.7	1,070.6	1,040.3	30.33	35.304		
3,600.0	2,909.4	3,361.7	3,134.2	34.1	20.4	-151.89	940.9	-492.9	1,108.6	1,077.2	31.41	35.300		
3,700.0	2,980.9	3,454.1	3,217.3	35.4	21.1	-151.93	978.1	-509.1	1,146.6	1,114.2	32.49	35.297		
3,800.0	3,052.4	3,546.6	3,300.4	36.6	21.9	-151.98	1,015.3	-525.3	1,184.7	1,151.1	33.56	35.294		
3,900.0	3,123.9	3,639.1	3,383.6	37.8	22.6	-152.02	1,052.4	-541.5	1,222.7	1,188.0	34.64	35.292		
4,000.0	3,195.4	3,731.6	3,466.7	39.0	23.3	-152.06	1,089.6	-557.7	1,260.7	1,225.0	35.72	35.289		
4,100.0	3,267.0	3,824.1	3,549.8	40.3	24.1	-152.09	1,126.7	-573.9	1,298.7	1,261.9	36.80	35.287		
4,200.0	3,338.5	3,916.6	3,633.0	41.5	24.8	-152.12	1,163.9	-590.1	1,336.7	1,298.8	37.88	35.285 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF08D I 25 596 - DD - DD													Offset Site Error:	0.0 ft
Survey Program: 180-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	-131.58	-43.1	-48.6	66.0					
100.0	100.0	88.2	88.2	0.1	0.1	-131.63	-43.0	-48.4	64.8	64.5	0.28	234.322		
200.0	200.0	188.4	188.4	0.3	0.3	-131.83	-42.9	-47.9	64.3	63.7	0.61	105.109		
216.4	216.4	204.8	204.8	0.3	0.3	-131.34	-42.9	-47.8	64.2	63.6	0.67	95.915 CC, ES		
300.0	300.0	288.2	288.2	0.5	0.5	-133.24	-42.8	-47.3	65.6	64.6	0.96	67.975		
400.0	399.6	387.9	387.9	0.7	0.6	-138.12	-42.9	-46.7	70.9	69.5	1.33	53.198		
500.0	498.8	486.8	486.8	1.0	0.8	-144.52	-43.1	-46.1	80.8	79.1	1.71	47.302		
600.0	597.1	585.0	585.0	1.4	1.0	-150.99	-43.6	-45.6	96.5	94.5	2.08	46.402 SF		
700.0	694.3	683.1	683.1	1.8	1.2	-156.52	-43.6	-45.0	117.3	114.9	2.44	48.132		
800.0	790.2	779.9	779.9	2.3	1.3	-160.75	-42.7	-44.8	143.1	140.3	2.78	51.484		
900.0	884.4	876.9	876.9	3.0	1.5	-163.91	-40.8	-45.1	173.3	170.2	3.11	55.746		
1,000.0	976.8	972.1	972.0	3.7	1.7	-166.24	-37.6	-45.6	207.5	204.1	3.43	60.534		
1,100.0	1,067.1	1,068.1	1,067.9	4.4	1.9	-168.04	-33.4	-46.4	245.9	242.2	3.74	65.776		
1,200.0	1,154.9	1,164.5	1,164.1	5.3	2.0	-169.40	-27.0	-47.5	287.2	283.2	4.04	71.022		
1,300.0	1,240.2	1,261.6	1,260.8	6.3	2.2	-170.39	-18.6	-49.1	331.5	327.1	4.35	76.252		
1,400.0	1,322.6	1,365.6	1,364.0	7.3	2.5	-171.15	-5.5	-51.4	377.1	372.5	4.66	80.964		
1,500.0	1,401.9	1,462.6	1,459.7	8.4	2.7	-171.74	9.7	-53.3	424.6	419.6	4.95	85.721		
1,600.0	1,477.9	1,563.1	1,558.5	9.5	3.1	-172.37	27.7	-54.6	474.6	469.3	5.24	90.644		
1,700.0	1,550.6	1,662.5	1,655.7	10.8	3.4	-173.06	48.9	-54.8	525.9	520.4	5.52	95.357		
1,800.0	1,622.1	1,754.6	1,745.3	12.0	3.7	-173.78	70.1	-54.6	577.2	571.4	5.84	98.846		
1,900.0	1,693.6	1,854.7	1,842.5	13.2	4.1	-174.48	94.4	-53.6	627.4	621.2	6.17	101.742		
2,000.0	1,765.1	1,952.6	1,936.8	14.4	4.6	-175.07	120.5	-52.3	675.4	668.9	6.49	104.014		
2,100.0	1,836.6	2,042.1	2,022.9	15.7	5.0	-175.56	145.0	-50.7	722.8	716.0	6.81	106.173		
2,200.0	1,908.1	2,125.5	2,103.1	16.9	5.4	-175.96	167.6	-49.4	770.5	763.4	7.12	108.267		
2,300.0	1,979.7	2,205.6	2,180.4	18.1	5.7	-176.28	188.8	-48.3	818.9	811.5	7.42	110.315		
2,400.0	2,051.2	2,299.3	2,270.9	19.4	6.2	-176.61	213.1	-47.2	867.7	860.0	7.75	111.998		
2,500.0	2,122.7	2,391.5	2,359.5	20.6	6.6	-176.89	238.1	-46.0	915.4	907.3	8.07	113.416		
2,600.0	2,194.2	2,478.0	2,442.8	21.8	7.0	-177.13	261.5	-45.1	963.3	954.9	8.39	114.831		
2,700.0	2,265.7	2,572.8	2,534.0	23.0	7.5	-177.36	287.6	-44.0	1,010.7	1,002.0	8.72	115.922		
2,800.0	2,337.2	2,659.5	2,617.2	24.3	7.9	-177.57	311.6	-42.7	1,058.0	1,048.9	9.04	117.091		
2,900.0	2,408.8	2,733.9	2,688.9	25.5	8.3	-177.75	331.7	-41.3	1,105.9	1,096.6	9.33	118.480		
3,000.0	2,480.3	2,842.0	2,792.9	26.7	8.8	-178.02	360.9	-38.9	1,153.9	1,144.2	9.68	119.211		
3,100.0	2,551.8	2,917.3	2,865.3	28.0	9.2	-178.21	381.6	-36.8	1,201.3	1,191.3	9.98	120.387		
3,200.0	2,623.3	3,013.0	2,957.4	29.2	9.6	-178.44	407.6	-34.1	1,249.1	1,238.8	10.31	121.179		
3,300.0	2,694.8	3,088.5	3,029.9	30.4	10.0	-178.64	428.3	-31.5	1,296.6	1,286.0	10.61	122.235		
3,400.0	2,766.3	3,173.0	3,111.4	31.7	10.4	-178.84	450.5	-28.5	1,345.2	1,334.3	10.92	123.159		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Offset Design I25 596 (undrilled plans are OLD-Do Not Use) - N. Parachute WF08D I 25 596 - DD - Plan #1										Offset Site Error:		0.0 ft	
Survey Program: 0-MWD										Offset Well Error:		0.0 ft	
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth	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)			
0.0	0.0	0.0	0.0	0.0	0.0	-131.58	-43.1	-48.6	122.6				
100.0	100.0	0.0	0.0	0.1	0.0	-131.58	-43.1	-48.6	65.0	64.9	0.14	477.046	
134.7	134.7	30.7	30.7	0.2	0.1	-131.58	-43.1	-48.6	64.9	64.7	0.25	259.145	
200.0	200.0	96.0	96.0	0.3	0.2	-131.58	-43.1	-48.6	64.9	64.4	0.48	135.741	CC, ES
300.0	300.0	196.0	196.0	0.5	0.3	-132.65	-43.1	-48.6	66.7	65.8	0.83	80.166	
400.0	399.6	295.6	295.6	0.7	0.5	-137.11	-43.1	-48.6	72.2	71.0	1.20	60.186	
500.0	498.8	394.8	394.8	1.0	0.7	-143.10	-43.1	-48.6	82.3	80.7	1.58	52.074	
600.0	597.1	493.1	493.1	1.4	0.9	-149.28	-43.1	-48.6	97.5	95.6	1.96	49.806	SF
700.0	694.3	590.3	590.3	1.8	1.0	-154.77	-43.1	-48.6	118.3	116.0	2.32	50.943	
800.0	790.2	686.2	686.2	2.3	1.2	-159.26	-43.1	-48.6	144.6	141.9	2.67	54.214	
900.0	884.4	780.4	780.4	3.0	1.4	-162.79	-43.1	-48.6	176.4	173.4	2.99	58.891	
1,000.0	976.8	872.8	872.8	3.7	1.5	-165.52	-43.1	-48.6	213.4	210.1	3.31	64.546	
1,100.0	1,067.1	963.1	963.1	4.4	1.7	-167.63	-43.1	-48.6	255.5	251.9	3.60	70.921	
1,200.0	1,154.9	1,050.9	1,050.9	5.3	1.8	-169.26	-43.1	-48.6	302.4	298.6	3.88	77.855	
1,300.0	1,240.2	1,136.2	1,136.2	6.3	2.0	-170.54	-43.1	-48.6	354.1	349.9	4.15	85.252	
1,400.0	1,322.6	1,218.6	1,218.6	7.3	2.1	-171.54	-43.1	-48.6	410.3	405.9	4.41	93.044	
1,500.0	1,401.9	1,297.9	1,297.9	8.4	2.3	-172.33	-43.1	-48.6	470.8	466.1	4.65	101.185	
1,600.0	1,477.9	1,373.9	1,373.9	9.5	2.4	-172.95	-43.1	-48.6	535.4	530.5	4.88	109.637	
1,700.0	1,550.6	1,446.6	1,446.6	10.8	2.5	-173.51	-43.1	-48.6	603.9	598.7	5.12	118.022	
1,800.0	1,622.1	1,518.1	1,518.1	12.0	2.6	-174.18	-43.1	-48.6	673.6	668.2	5.40	124.801	
1,900.0	1,693.6	1,589.6	1,589.6	13.2	2.8	-174.72	-43.1	-48.6	743.3	737.6	5.68	130.901	
2,000.0	1,765.1	1,661.1	1,661.1	14.4	2.9	-175.17	-43.1	-48.6	813.0	807.1	5.96	136.416	
2,100.0	1,836.6	1,732.6	1,732.6	15.7	3.0	-175.56	-43.1	-48.6	882.8	876.6	6.24	141.425	
2,200.0	1,908.1	1,804.1	1,804.1	16.9	3.1	-175.88	-43.1	-48.6	952.6	946.1	6.53	145.993	
2,300.0	1,979.7	1,875.7	1,875.7	18.1	3.3	-176.16	-43.1	-48.6	1,022.4	1,015.6	6.81	150.175	
2,400.0	2,051.2	1,947.2	1,947.2	19.4	3.4	-176.41	-43.1	-48.6	1,092.2	1,085.1	7.09	154.018	
2,500.0	2,122.7	2,018.7	2,018.7	20.6	3.5	-176.62	-43.1	-48.6	1,162.1	1,154.7	7.38	157.560	
2,600.0	2,194.2	2,090.2	2,090.2	21.8	3.6	-176.81	-43.1	-48.6	1,231.9	1,224.2	7.66	160.835	
2,700.0	2,265.7	2,161.7	2,161.7	23.0	3.8	-176.98	-43.1	-48.6	1,301.8	1,293.8	7.94	163.871	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well WF16D-24 I25 596
Project:	North Piceance	TVD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Reference Site:	I25 596	MD Reference:	KB=22' @ 5846.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	WF16D-24 I25 596	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	USA EDM 5000 Multi Users DB
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=22' @ 5846.0ft (Original Well Elev)

Offset Depths are relative to Offset Datum

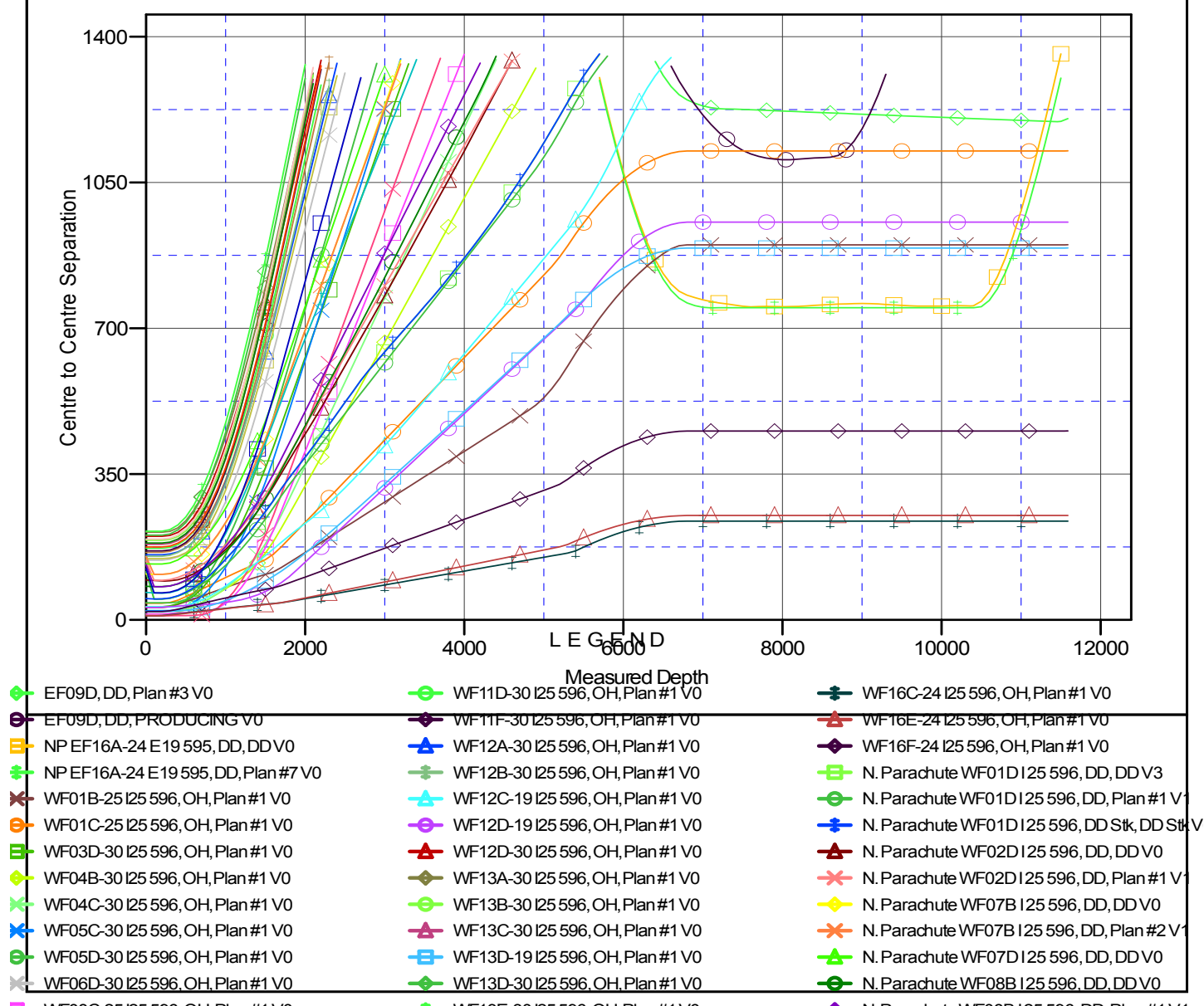
Central Meridian is 105° 30' 0.000 W °

Coordinates are relative to: WF16D-24 I25 596

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: -1.65°

Ladder Plot



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