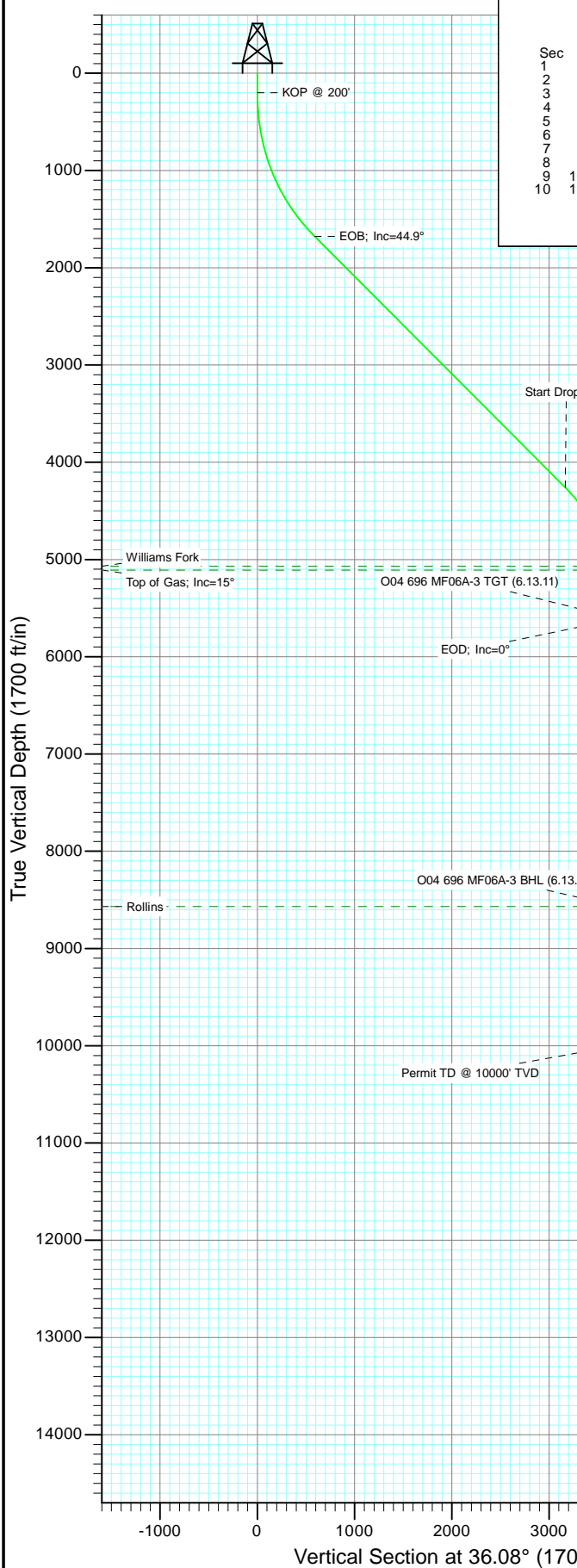
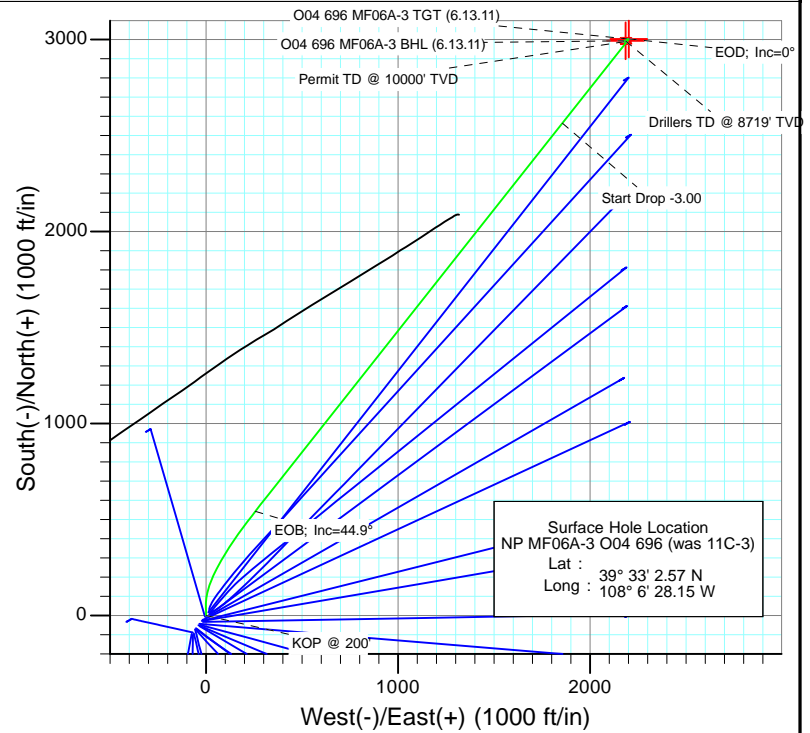




Project: North Piceance
Site: O04 696 (3rd)
Well: NP MF06A-3 O04 696 (was 11C-3)
Wellbore: DD
Design: Plan #2



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	700.0	15.00	0.00	694.3	65.1	0.0	3.00	0.00	52.6	
4	1840.4	44.96	38.34	1678.0	543.0	257.6	3.00	51.21	590.5	
5	5488.6	44.96	38.34	4259.5	2565.0	1856.5	0.00	0.00	3166.3	
6	6987.2	0.00	0.00	5609.0	3003.0	2202.9	3.00	180.00	3724.3	O04 696 MF06A-3 TGT (6.13.11)
7	7144.2	0.39	239.58	5765.9	3002.7	2202.4	0.25	239.58	3723.8	O04 696 MF06A-3 BHL (6.13.11)
8	9947.3	0.39	239.58	8569.0	2993.0	2185.9	0.00	0.00	3706.2	
9	10097.3	0.39	239.58	8719.0	2992.5	2185.0	0.00	0.00	3705.3	
10	11378.3	0.39	239.58	10000.0	2988.0	2177.4	0.00	0.00	3697.3	



Azimuths to True North
Magnetic North: 10.54°

Magnetic Field
Strength: 52365.1nT
Dip Angle: 65.79°
Date: 6/17/2010
Model: IGRF2010

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
5069.0	6439.8	Williams Fork
5109.0	6481.3	Top of Gas; Inc=15°
8569.0	9947.3	Rollins

Plan #2 NP MF06A-3 O04 696 (was 11C-3) 95xxx; LR WELL @ 6044.0ft (Original Well Elev) North American Datum 1983 Well NP MF06A-3 O04 696 (was 11C-3), True North							
Type TD	Target No Target (Freehand)	Azimuth 36.08	Origin Type Slot	N/S 0.0	E/W 0.0	From TVD 0.0	
Name	TVD	+N/-S	+E/-W	Latitude	Longitude		
O04 696 MF06A-3 TGT (6.13.11)	5609.0	3003.0	2202.9	39° 33' 32.25 N	108° 6' 0.02 W		
O04 696 MF06A-3 BHL (6.13.11)	8569.0	2993.0	2185.9	39° 33' 32.15 N	108° 6' 0.24 W		

Planning Report

Database:	USA EDM 5000 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site:	O04 696 (3rd)	North Reference:	True
Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

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	O04 696 (3rd)			
Site Position:		Northing:	1,635,941.08 ft	Latitude: 39° 33' 1.64 N
From:	Lat/Long	Easting:	2,264,673.43 ft	Longitude: 108° 6' 29.09 W
Position Uncertainty:	0.0 ft	Slot Radius:	13.200 in	Grid Convergence: -1.64 °

Well	NP MF06A-3 O04 696 (was 11C-3)			
Well Position	+N/-S	0.0 ft	Northing:	1,636,033.00 ft
	+E/-W	0.0 ft	Easting:	2,264,749.72 ft
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft
			Ground Level:	6,022.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/17/2010	10.54	65.79	52,365

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	36.08

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	
700.0	15.00	0.00	694.3	65.1	0.0	3.00	3.00	0.00	0.00	
1,840.4	44.96	38.34	1,678.0	543.0	257.6	3.00	2.63	3.36	51.21	
5,488.6	44.96	38.34	4,259.5	2,565.0	1,856.5	0.00	0.00	0.00	0.00	
6,987.2	0.00	0.00	5,609.0	3,003.0	2,202.9	3.00	-3.00	0.00	180.00	O04 696 MF06A-3 TC
7,144.2	0.39	239.58	5,765.9	3,002.7	2,202.4	0.25	0.25	-76.74	239.58	
9,947.3	0.39	239.58	8,569.0	2,993.0	2,185.9	0.00	0.00	0.00	0.00	O04 696 MF06A-3 BH
10,097.3	0.39	239.58	8,719.0	2,992.5	2,185.0	0.00	0.00	0.00	0.00	
11,378.3	0.39	239.58	10,000.0	2,988.0	2,177.4	0.00	0.00	0.00	0.00	

Planning Report

Database: USA EDM 5000 US Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: North Piceance
Site: O04 696 (3rd)
Well: NP MF06A-3 O04 696 (was 11C-3)
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well NP MF06A-3 O04 696 (was 11C-3)
TVD Reference: WELL @ 6044.0ft (Original Well Elev)
MD Reference: WELL @ 6044.0ft (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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
30.0	0.00	0.00	30.0	0.0	0.0	0.0	0.00	0.00	
60.0	0.00	0.00	60.0	0.0	0.0	0.0	0.00	0.00	
90.0	0.00	0.00	90.0	0.0	0.0	0.0	0.00	0.00	
120.0	0.00	0.00	120.0	0.0	0.0	0.0	0.00	0.00	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	
180.0	0.00	0.00	180.0	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'
210.0	0.30	0.00	210.0	0.0	0.0	0.0	3.00	3.00	
240.0	1.20	0.00	240.0	0.4	0.0	0.3	3.00	3.00	
270.0	2.10	0.00	270.0	1.3	0.0	1.0	3.00	3.00	
300.0	3.00	0.00	300.0	2.6	0.0	2.1	3.00	3.00	
330.0	3.90	0.00	329.9	4.4	0.0	3.6	3.00	3.00	
360.0	4.80	0.00	359.8	6.7	0.0	5.4	3.00	3.00	
390.0	5.70	0.00	389.7	9.4	0.0	7.6	3.00	3.00	
420.0	6.60	0.00	419.5	12.7	0.0	10.2	3.00	3.00	
450.0	7.50	0.00	449.3	16.3	0.0	13.2	3.00	3.00	
480.0	8.40	0.00	479.0	20.5	0.0	16.6	3.00	3.00	
510.0	9.30	0.00	508.6	25.1	0.0	20.3	3.00	3.00	
540.0	10.20	0.00	538.2	30.2	0.0	24.4	3.00	3.00	
570.0	11.10	0.00	567.7	35.7	0.0	28.9	3.00	3.00	
600.0	12.00	0.00	597.1	41.7	0.0	33.7	3.00	3.00	
630.0	12.90	0.00	626.4	48.2	0.0	39.0	3.00	3.00	
660.0	13.80	0.00	655.6	55.1	0.0	44.6	3.00	3.00	
690.0	14.70	0.00	684.6	62.5	0.0	50.5	3.00	3.00	
700.0	15.00	0.00	694.3	65.1	0.0	52.6	3.00	3.00	
720.0	15.38	1.76	713.6	70.3	0.1	56.9	3.00	1.91	
750.0	15.98	4.25	742.5	78.4	0.5	63.7	3.00	2.00	
780.0	16.61	6.56	771.3	86.8	1.3	70.9	3.00	2.08	
810.0	17.26	8.70	800.0	95.4	2.5	78.6	3.00	2.16	
840.0	17.93	10.69	828.6	104.4	4.0	86.7	3.00	2.23	
870.0	18.61	12.54	857.1	113.6	5.9	95.3	3.00	2.30	
900.0	19.32	14.26	885.4	123.1	8.2	104.3	3.00	2.35	
930.0	20.04	15.86	913.7	132.8	10.8	113.7	3.00	2.40	
960.0	20.77	17.35	941.8	142.9	13.8	123.6	3.00	2.45	
990.0	21.52	18.75	969.8	153.1	17.1	133.9	3.00	2.49	
1,020.0	22.28	20.05	997.6	163.7	20.8	144.6	3.00	2.52	
1,050.0	23.04	21.28	1,025.3	174.5	24.9	155.7	3.00	2.56	
1,080.0	23.82	22.43	1,052.8	185.6	29.4	167.3	3.00	2.59	
1,110.0	24.60	23.51	1,080.2	196.9	34.2	179.3	3.00	2.61	
1,140.0	25.39	24.52	1,107.4	208.5	39.3	191.7	3.00	2.64	
1,170.0	26.19	25.48	1,134.4	220.3	44.9	204.5	3.00	2.66	
1,200.0	26.99	26.39	1,161.2	232.4	50.7	217.7	3.00	2.68	
1,230.0	27.80	27.25	1,187.9	244.7	57.0	231.3	3.00	2.70	
1,260.0	28.62	28.06	1,214.3	257.3	63.5	245.3	3.00	2.71	
1,290.0	29.44	28.83	1,240.5	270.1	70.5	259.8	3.00	2.73	
1,320.0	30.26	29.56	1,266.5	283.1	77.8	274.6	3.00	2.74	
1,350.0	31.09	30.26	1,292.3	296.4	85.4	289.8	3.00	2.76	
1,380.0	31.92	30.93	1,317.9	309.9	93.4	305.4	3.00	2.77	
1,410.0	32.75	31.56	1,343.3	323.6	101.7	321.4	3.00	2.78	
1,440.0	33.59	32.17	1,368.4	337.5	110.4	337.8	3.00	2.79	
1,470.0	34.42	32.75	1,393.3	351.7	119.4	354.5	3.00	2.80	

Planning Report

Database: USA EDM 5000 US Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: North Piceance
Site: O04 696 (3rd)
Well: NP MF06A-3 O04 696 (was 11C-3)
Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well NP MF06A-3 O04 696 (was 11C-3)
TVD Reference: WELL @ 6044.0ft (Original Well Elev)
MD Reference: WELL @ 6044.0ft (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
1,500.0	35.27	33.31	1,417.9	366.0	128.7	371.6	3.00	2.81	
1,530.0	36.11	33.84	1,442.2	380.6	138.4	389.1	3.00	2.81	
1,560.0	36.96	34.35	1,466.3	395.4	148.4	407.0	3.00	2.82	
1,590.0	37.81	34.84	1,490.2	410.4	158.7	425.2	3.00	2.83	
1,620.0	38.66	35.32	1,513.8	425.6	169.4	443.7	3.00	2.84	
1,650.0	39.51	35.78	1,537.0	441.0	180.4	462.6	3.00	2.84	
1,680.0	40.36	36.22	1,560.0	456.6	191.7	481.9	3.00	2.85	
1,710.0	41.22	36.64	1,582.8	472.3	203.4	501.5	3.00	2.85	
1,740.0	42.08	37.05	1,605.2	488.3	215.3	521.4	3.00	2.86	
1,770.0	42.94	37.45	1,627.3	504.4	227.6	541.7	3.00	2.86	
1,800.0	43.80	37.84	1,649.1	520.7	240.2	562.3	3.00	2.87	
1,830.0	44.66	38.21	1,670.6	537.2	253.1	583.2	3.00	2.87	
1,840.4	44.96	38.34	1,678.0	543.0	257.6	590.5	3.00	2.87	EOB; Inc=44.9°
1,860.0	44.96	38.34	1,691.8	553.8	266.2	604.4	0.00	0.00	
1,890.0	44.96	38.34	1,713.1	570.5	279.3	625.5	0.00	0.00	
1,920.0	44.96	38.34	1,734.3	587.1	292.5	646.7	0.00	0.00	
1,950.0	44.96	38.34	1,755.5	603.7	305.6	667.9	0.00	0.00	
1,980.0	44.96	38.34	1,776.8	620.3	318.8	689.1	0.00	0.00	
2,010.0	44.96	38.34	1,798.0	637.0	331.9	710.3	0.00	0.00	
2,040.0	44.96	38.34	1,819.2	653.6	345.1	731.5	0.00	0.00	
2,070.0	44.96	38.34	1,840.4	670.2	358.2	752.6	0.00	0.00	
2,100.0	44.96	38.34	1,861.7	686.9	371.4	773.8	0.00	0.00	
2,130.0	44.96	38.34	1,882.9	703.5	384.5	795.0	0.00	0.00	
2,160.0	44.96	38.34	1,904.1	720.1	397.7	816.2	0.00	0.00	
2,190.0	44.96	38.34	1,925.4	736.7	410.8	837.4	0.00	0.00	
2,220.0	44.96	38.34	1,946.6	753.4	424.0	858.5	0.00	0.00	
2,250.0	44.96	38.34	1,967.8	770.0	437.1	879.7	0.00	0.00	
2,280.0	44.96	38.34	1,989.0	786.6	450.3	900.9	0.00	0.00	
2,310.0	44.96	38.34	2,010.3	803.2	463.4	922.1	0.00	0.00	
2,340.0	44.96	38.34	2,031.5	819.9	476.6	943.3	0.00	0.00	
2,370.0	44.96	38.34	2,052.7	836.5	489.7	964.5	0.00	0.00	
2,400.0	44.96	38.34	2,074.0	853.1	502.9	985.6	0.00	0.00	
2,430.0	44.96	38.34	2,095.2	869.8	516.0	1,006.8	0.00	0.00	
2,460.0	44.96	38.34	2,116.4	886.4	529.2	1,028.0	0.00	0.00	
2,490.0	44.96	38.34	2,137.6	903.0	542.3	1,049.2	0.00	0.00	

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
O04 696 MF06A-3 TGT - hit/miss target - Shape - plan misses target center by 4383.8ft at 2490.0ft MD (2137.6 TVD, 903.0 N, 542.3 E) - Point	0.00	0.00	5,609.0	3,003.0	2,202.9	1,638,971.54	2,267,037.91	39° 33' 32.25 N	108° 6' 0.02 W
O04 696 MF06A-3 BHL - plan misses target center by 6959.3ft at 2490.0ft MD (2137.6 TVD, 903.0 N, 542.3 E) - Rectangle (sides W30.0 H50.0 D0.0)	0.00	0.00	8,569.0	2,993.0	2,185.9	1,638,962.04	2,267,020.61	39° 33' 32.15 N	108° 6' 0.24 W

Planning Report

Database: USA EDM 5000 US Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
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Site: O04 696 (3rd)
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Wellbore: DD
Design: Plan #2

Local Co-ordinate Reference: Well NP MF06A-3 O04 696 (was 11C-3)
TVD Reference: WELL @ 6044.0ft (Original Well Elev)
MD Reference: WELL @ 6044.0ft (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
2,500.0	44.96	38.34	2,144.7	908.6	546.7	1,056.2	0.00	0.00	
2,600.0	44.96	38.34	2,215.5	964.0	590.5	1,126.8	0.00	0.00	
2,700.0	44.96	38.34	2,286.2	1,019.4	634.3	1,197.4	0.00	0.00	
2,800.0	44.96	38.34	2,357.0	1,074.8	678.2	1,268.1	0.00	0.00	
2,900.0	44.96	38.34	2,427.8	1,130.3	722.0	1,338.7	0.00	0.00	
3,000.0	44.96	38.34	2,498.5	1,185.7	765.8	1,409.3	0.00	0.00	
3,100.0	44.96	38.34	2,569.3	1,241.1	809.7	1,479.9	0.00	0.00	
3,200.0	44.96	38.34	2,640.0	1,296.5	853.5	1,550.5	0.00	0.00	
3,300.0	44.96	38.34	2,710.8	1,352.0	897.3	1,621.1	0.00	0.00	
3,400.0	44.96	38.34	2,781.6	1,407.4	941.1	1,691.7	0.00	0.00	
3,500.0	44.96	38.34	2,852.3	1,462.8	985.0	1,762.3	0.00	0.00	
3,600.0	44.96	38.34	2,923.1	1,518.2	1,028.8	1,832.9	0.00	0.00	
3,700.0	44.96	38.34	2,993.9	1,573.7	1,072.6	1,903.5	0.00	0.00	
3,800.0	44.96	38.34	3,064.6	1,629.1	1,116.5	1,974.1	0.00	0.00	
3,900.0	44.96	38.34	3,135.4	1,684.5	1,160.3	2,044.7	0.00	0.00	
4,000.0	44.96	38.34	3,206.1	1,739.9	1,204.1	2,115.3	0.00	0.00	
4,100.0	44.96	38.34	3,276.9	1,795.4	1,247.9	2,185.9	0.00	0.00	
4,200.0	44.96	38.34	3,347.7	1,850.8	1,291.8	2,256.5	0.00	0.00	
4,300.0	44.96	38.34	3,418.4	1,906.2	1,335.6	2,327.1	0.00	0.00	
4,400.0	44.96	38.34	3,489.2	1,961.6	1,379.4	2,397.7	0.00	0.00	
4,500.0	44.96	38.34	3,559.9	2,017.0	1,423.2	2,468.3	0.00	0.00	
4,600.0	44.96	38.34	3,630.7	2,072.5	1,467.1	2,538.9	0.00	0.00	
4,700.0	44.96	38.34	3,701.5	2,127.9	1,510.9	2,609.6	0.00	0.00	
4,800.0	44.96	38.34	3,772.2	2,183.3	1,554.7	2,680.2	0.00	0.00	
4,900.0	44.96	38.34	3,843.0	2,238.7	1,598.6	2,750.8	0.00	0.00	
5,000.0	44.96	38.34	3,913.8	2,294.2	1,642.4	2,821.4	0.00	0.00	
5,100.0	44.96	38.34	3,984.5	2,349.6	1,686.2	2,892.0	0.00	0.00	
5,200.0	44.96	38.34	4,055.3	2,405.0	1,730.0	2,962.6	0.00	0.00	
5,300.0	44.96	38.34	4,126.0	2,460.4	1,773.9	3,033.2	0.00	0.00	
5,400.0	44.96	38.34	4,196.8	2,515.9	1,817.7	3,103.8	0.00	0.00	
5,488.6	44.96	38.34	4,259.5	2,565.0	1,856.5	3,166.3	0.00	0.00	Start Drop -3.00
5,500.0	44.62	38.34	4,267.6	2,571.3	1,861.5	3,174.4	3.00	-3.00	
5,600.0	41.62	38.34	4,340.6	2,624.9	1,903.9	3,242.7	3.00	-3.00	
5,700.0	38.62	38.34	4,417.0	2,675.4	1,943.9	3,307.0	3.00	-3.00	
5,800.0	35.62	38.34	4,496.8	2,722.8	1,981.3	3,367.3	3.00	-3.00	
5,900.0	32.62	38.34	4,579.5	2,766.7	2,016.1	3,423.4	3.00	-3.00	
6,000.0	29.62	38.34	4,665.1	2,807.3	2,048.1	3,475.0	3.00	-3.00	
6,100.0	26.62	38.34	4,753.3	2,844.2	2,077.4	3,522.1	3.00	-3.00	
6,200.0	23.62	38.34	4,843.9	2,877.5	2,103.7	3,564.5	3.00	-3.00	
6,300.0	20.62	38.34	4,936.5	2,907.1	2,127.0	3,602.1	3.00	-3.00	
6,400.0	17.62	38.34	5,031.0	2,932.7	2,147.3	3,634.8	3.00	-3.00	
6,439.8	16.42	38.34	5,069.0	2,941.9	2,154.6	3,646.5	3.00	-3.00	Williams Fork
6,481.3	15.18	38.34	5,109.0	2,950.8	2,161.6	3,657.8	3.00	-3.00	Top of Gas; Inc=15°
6,500.0	14.62	38.34	5,127.0	2,954.5	2,164.6	3,662.6	3.00	-3.00	
6,600.0	11.62	38.34	5,224.4	2,972.3	2,178.6	3,685.2	3.00	-3.00	
6,700.0	8.62	38.34	5,322.8	2,986.1	2,189.5	3,702.8	3.00	-3.00	
6,800.0	5.62	38.34	5,422.1	2,995.8	2,197.2	3,715.2	3.00	-3.00	
6,900.0	2.62	38.34	5,521.8	3,001.4	2,201.7	3,722.3	3.00	-3.00	
6,987.2	0.00	38.34	5,609.0	3,003.0	2,202.9	3,724.3	3.00	-3.00	EOD; Inc=0° - O04 696 MF06A-3 TGT (6.13.11)
7,000.0	0.03	239.58	5,621.8	3,003.0	2,202.9	3,724.3	0.26	0.24	
7,100.0	0.28	239.58	5,721.8	3,002.9	2,202.7	3,724.1	0.25	0.25	
7,144.2	0.39	239.58	5,765.9	3,002.7	2,202.4	3,723.8	0.25	0.25	

Planning Report

Database:	USA EDM 5000 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site:	O04 696 (3rd)	North Reference:	True
Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
7,200.0	0.39	239.58	5,821.8	3,002.5	2,202.1	3,723.5	0.00	0.00	
7,300.0	0.39	239.58	5,921.8	3,002.2	2,201.5	3,722.9	0.00	0.00	
7,400.0	0.39	239.58	6,021.8	3,001.8	2,200.9	3,722.2	0.00	0.00	
7,500.0	0.39	239.58	6,121.8	3,001.5	2,200.3	3,721.6	0.00	0.00	
7,600.0	0.39	239.58	6,221.8	3,001.1	2,199.7	3,721.0	0.00	0.00	
7,700.0	0.39	239.58	6,321.8	3,000.8	2,199.2	3,720.3	0.00	0.00	
7,800.0	0.39	239.58	6,421.7	3,000.5	2,198.6	3,719.7	0.00	0.00	
7,900.0	0.39	239.58	6,521.7	3,000.1	2,198.0	3,719.1	0.00	0.00	
8,000.0	0.39	239.58	6,621.7	2,999.8	2,197.4	3,718.5	0.00	0.00	
8,100.0	0.39	239.58	6,721.7	2,999.4	2,196.8	3,717.8	0.00	0.00	
8,200.0	0.39	239.58	6,821.7	2,999.1	2,196.2	3,717.2	0.00	0.00	
8,300.0	0.39	239.58	6,921.7	2,998.7	2,195.6	3,716.6	0.00	0.00	
8,400.0	0.39	239.58	7,021.7	2,998.4	2,195.0	3,716.0	0.00	0.00	
8,500.0	0.39	239.58	7,121.7	2,998.0	2,194.4	3,715.3	0.00	0.00	
8,600.0	0.39	239.58	7,221.7	2,997.7	2,193.8	3,714.7	0.00	0.00	
8,700.0	0.39	239.58	7,321.7	2,997.3	2,193.3	3,714.1	0.00	0.00	
8,800.0	0.39	239.58	7,421.7	2,997.0	2,192.7	3,713.4	0.00	0.00	
8,900.0	0.39	239.58	7,521.7	2,996.6	2,192.1	3,712.8	0.00	0.00	
9,000.0	0.39	239.58	7,621.7	2,996.3	2,191.5	3,712.2	0.00	0.00	
9,100.0	0.39	239.58	7,721.7	2,995.9	2,190.9	3,711.6	0.00	0.00	
9,200.0	0.39	239.58	7,821.7	2,995.6	2,190.3	3,710.9	0.00	0.00	
9,300.0	0.39	239.58	7,921.7	2,995.3	2,189.7	3,710.3	0.00	0.00	
9,400.0	0.39	239.58	8,021.7	2,994.9	2,189.1	3,709.7	0.00	0.00	
9,500.0	0.39	239.58	8,121.7	2,994.6	2,188.5	3,709.0	0.00	0.00	
9,600.0	0.39	239.58	8,221.7	2,994.2	2,187.9	3,708.4	0.00	0.00	
9,700.0	0.39	239.58	8,321.7	2,993.9	2,187.3	3,707.8	0.00	0.00	
9,800.0	0.39	239.58	8,421.7	2,993.5	2,186.8	3,707.2	0.00	0.00	
9,900.0	0.39	239.58	8,521.7	2,993.2	2,186.2	3,706.5	0.00	0.00	
9,947.3	0.39	239.58	8,569.0	2,993.0	2,185.9	3,706.2	0.00	0.00	Rollins - O04 696 MF06A-3 BHL (6.13.11)
10,000.0	0.39	239.58	8,621.7	2,992.8	2,185.6	3,705.9	0.00	0.00	
10,097.3	0.39	239.58	8,719.0	2,992.5	2,185.0	3,705.3	0.00	0.00	Drillers TD @ 8719' TVD
10,100.0	0.39	239.58	8,721.7	2,992.5	2,185.0	3,705.3	0.00	0.00	
10,200.0	0.39	239.58	8,821.7	2,992.1	2,184.4	3,704.7	0.00	0.00	
10,300.0	0.39	239.58	8,921.7	2,991.8	2,183.8	3,704.0	0.00	0.00	
10,400.0	0.39	239.58	9,021.7	2,991.4	2,183.2	3,703.4	0.00	0.00	
10,500.0	0.39	239.58	9,121.7	2,991.1	2,182.6	3,702.8	0.00	0.00	
10,600.0	0.39	239.58	9,221.7	2,990.7	2,182.0	3,702.1	0.00	0.00	
10,700.0	0.39	239.58	9,321.7	2,990.4	2,181.4	3,701.5	0.00	0.00	
10,800.0	0.39	239.58	9,421.7	2,990.1	2,180.9	3,700.9	0.00	0.00	
10,900.0	0.39	239.58	9,521.7	2,989.7	2,180.3	3,700.3	0.00	0.00	
11,000.0	0.39	239.58	9,621.7	2,989.4	2,179.7	3,699.6	0.00	0.00	
11,100.0	0.39	239.58	9,721.7	2,989.0	2,179.1	3,699.0	0.00	0.00	
11,200.0	0.39	239.58	9,821.7	2,988.7	2,178.5	3,698.4	0.00	0.00	
11,300.0	0.39	239.58	9,921.7	2,988.3	2,177.9	3,697.7	0.00	0.00	
11,378.3	0.39	239.58	10,000.0	2,988.0	2,177.4	3,697.3	0.00	0.00	Permit TD @ 10000' TVD

Planning Report

Database:	USA EDM 5000 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site:	O04 696 (3rd)	North Reference:	True
Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
O04 696 MF06A-3 TGT	0.00	0.00	5,609.0	3,003.0	2,202.9	1,638,971.54	2,267,037.91	39° 33' 32.25 N	108° 6' 0.02 W
- plan hits target center									
- Point									
O04 696 MF06A-3 BHL	0.00	0.00	8,569.0	2,993.0	2,185.9	1,638,962.04	2,267,020.61	39° 33' 32.15 N	108° 6' 0.24 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
6,439.8	5,069.0	Williams Fork		0.00	
6,481.3	5,109.0	Top of Gas; Inc=15°		0.00	
9,947.3	8,569.0	Rollins		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
200.0	200.0	0.0	0.0	KOP @ 200'
1,840.4	1,678.0	65.1	0.0	EOB; Inc=44.9°
5,488.6	4,259.5	543.0	257.6	Start Drop -3.00
6,987.2	5,609.0	2,565.0	1,856.5	EOD; Inc=0°
10,097.3	8,719.0	3,003.0	2,202.9	Drillers TD @ 8719' TVD
11,378.3	10,000.0	3,002.7	2,202.4	Permit TD @ 10000' TVD

EnCana Oil & Gas (USA) Inc

North Piceance

O04 696 (3rd)

NP MF06A-3 O04 696 (was 11C-3)

DD

Plan #2

Anticollision Report

14 June, 2011

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

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

Survey Tool Program		Date	6/14/2011		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.0	11,378.3	Plan #2 (DD)	MWD	Geolink MWD	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary

Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Between Ellipses (ft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
C04 696 (NENW Sec4-T6S-R96W)						
N. Parachute C04 MF04D - DD - DD						Out of range
N. Parachute C04 MF04D - DD - Plan #2						Out of range
N. Parachute C04 MF04D - DD - Plan #3						Out of range
N. Parachute C04 MF08A - DD - DD						Out of range
N. Parachute C04 MF08A - DD - Plan #2						Out of range
N. Parachute C04 MF08A - DD - Plan #3						Out of range
N. Parachute C04 MF08A - DD - Plan #5						Out of range
N.P MF04B-3 C04 696 - DD - DD						Out of range
N.P MF04B-3 C04 696 - DD - Plan #1						Out of range
N.P MF04B-3 C04 696 - DD - Plan #2						Out of range
D31 595 (Lot 3 S31-T5S-R95W)						
NP EF11C D31 595 - DD - Plan #1						Out of range
NP EF11C D31 595 - DD - Plan #2						Out of range
NP EF11C D31 595 (was 14C) OLD Abandonnd - DD - Pla						Out of range
NP EF11C D31 595 (was 14C) OLD Abandonnd - DD - Pla						Out of range
N04 696 Pad (NESW Sec4-T6S-R96W)						
NP MF09A N04 696 - DD - DD						Out of range
NP MF09A N04 696 - DD - Plan #3						Out of range
NP MF09A N04 696 - DD - Plan #4						Out of range
O04 696 (3rd)						
NP MF01D-9 O04 696 (was 17C-4) - DD - Plan #2	200.0	200.0	91.3	90.7	147.001	CC, ES
NP MF01D-9 O04 696 (was 17C-4) - DD - Plan #2	300.0	298.5	93.8	92.8	96.647	SF
NP MF02A-9 O04 696 (was 18C-4) - DD - Plan #2						Out of range
NP MF06B-3 O04 696 (was 15A-4) - DD - Plan #2	200.0	200.0	20.5	19.9	32.955	CC, ES
NP MF06B-3 O04 696 (was 15A-4) - DD - Plan #2	1,000.0	981.7	95.1	88.4	14.220	SF
NP MF06C-3 O04 696 (was 09C-4) - DD - Plan #2	386.7	384.5	28.0	26.7	21.515	CC
NP MF06C-3 O04 696 (was 09C-4) - DD - Plan #2	400.0	397.6	28.0	26.6	20.714	ES
NP MF06C-3 O04 696 (was 09C-4) - DD - Plan #2	1,200.0	1,176.3	93.0	83.6	9.870	SF
NP MF06E-3 O04 696 (was 11B-3) - DD - Plan #2	200.0	200.0	29.8	29.1	47.891	CC, ES
NP MF06E-3 O04 696 (was 11B-3) - DD - Plan #2	600.0	590.5	60.4	58.0	24.699	SF
NP MF08B-9 O04 696 (was 01B-9) - DD - Plan #2						Out of range
NP MF11A-3 O04 696 (was 12C-3) - DD - Plan #2	351.9	351.3	20.1	18.9	16.968	CC, ES
NP MF11A-3 O04 696 (was 12C-3) - DD - Plan #2	500.0	497.8	25.8	24.0	13.912	SF
NP MF11B-3 O04 696 (was 14A-3) - DD - Plan #2	200.0	200.0	8.1	7.4	12.957	CC, ES
NP MF11B-3 O04 696 (was 14A-3) - DD - Plan #2	300.0	299.8	10.4	9.4	10.543	SF
NP MF11D-3 O04 696 (was 14B-3) - DD - Plan #2	200.0	200.0	11.2	10.6	18.082	CC, ES
NP MF11D-3 O04 696 (was 14B-3) - DD - Plan #2	300.0	300.2	13.0	12.0	13.298	SF
NP MF11E-3 O04 696 (was 13A-3) - DD - Plan #2	299.3	300.5	28.0	27.0	28.733	CC
NP MF11E-3 O04 696 (was 13A-3) - DD - Plan #2	300.0	301.2	28.0	27.0	28.656	ES
NP MF11E-3 O04 696 (was 13A-3) - DD - Plan #2	500.0	501.8	36.1	34.3	19.855	SF
NP MF11G-3 O04 696 (was 14C-3) - DD - Plan #2	200.0	200.0	35.8	35.2	57.656	CC, ES
NP MF11G-3 O04 696 (was 14C-3) - DD - Plan #2	500.0	501.6	50.7	49.0	29.675	SF
NP MF14A-3 O04 696 (was 13B-3) - DD - Plan #2	200.0	200.0	29.4	28.8	47.371	CC, ES
NP MF14A-3 O04 696 (was 13B-3) - DD - Plan #2	400.0	400.7	36.0	34.6	26.274	SF
NP MF14C-3 O04 696 (was 14D-3) - DD - Plan #2	200.0	200.0	36.9	36.3	59.352	CC, ES
NP MF14C-3 O04 696 (was 14D-3) - DD - Plan #2	500.0	498.9	57.0	55.2	31.331	SF
NP MF14D-3 O04 696 (was 19A-3) - DD - Plan #2	200.0	200.0	55.5	54.9	89.324	CC, ES
NP MF14D-3 O04 696 (was 19A-3) - DD - Plan #2	600.0	598.9	87.9	85.8	41.113	SF
NP MF14E-3 O04 696 (was 19B-3) - DD - Plan #2	200.0	200.0	56.2	55.5	90.378	CC, ES
NP MF14E-3 O04 696 (was 19B-3) - DD - Plan #2	500.0	497.6	78.4	76.6	43.317	SF
NP MF15A-4 O04 696 (was 11D-3) - DD - Plan #2	200.0	200.0	7.7	7.1	12.351	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 NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (ft)	Offset Measured Depth (ft)	Distance Between Centres (ft)	Distance Between Ellipses (ft)	Separation Factor	Warning
O04 696 (3rd)						
NP MF15A-4 O04 696 (was 11D-3) - DD - Plan #2	600.0	600.6	18.0	15.4	6.793	SF
NP MF15D-4 O04 696 (was 01B-9) - DD - Plan #2						Out of range
NP MF18B-4 O04 696 (was 01A-9) - DD - Plan #2						Out of range
NP MF19A-3 O04 696 (was 17B-4) - DD - Plan #2	200.0	200.0	64.0	63.4	102.962	CC, ES
NP MF19A-3 O04 696 (was 17B-4) - DD - Plan #2	500.0	498.3	84.0	82.2	47.854	SF
NP MF19C-3 O04 696 (was 20B-3) - DD - Plan #2	200.0	200.0	64.6	64.0	104.037	CC, ES
NP MF19C-3 O04 696 (was 20B-3) - DD - Plan #2	500.0	494.6	91.8	90.0	51.305	SF
NP MF19D-3 O04 696 (was 19C-3) - DD - Plan #2	200.0	200.0	83.6	83.0	134.628	CC, ES
NP MF19D-3 O04 696 (was 19C-3) - DD - Plan #2	400.0	399.3	92.2	90.9	69.148	SF
NP MF19E-3 O04 696 (was 19D-3) - DD - Plan #2	200.0	200.0	84.1	83.5	135.418	CC, ES
NP MF19E-3 O04 696 (was 19D-3) - DD - Plan #2	400.0	397.6	95.1	93.7	69.377	SF
NP MF20F-3 O04 696 (was 20D-3) - DD - Plan #2	200.0	200.0	91.8	91.2	147.730	CC, ES
NP MF20F-3 O04 696 (was 20D-3) - DD - Plan #2	300.0	298.6	94.7	93.7	96.918	SF

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													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	-141.87	-71.8	-56.4	91.3						
100.0	100.0	100.0	100.0	0.1	0.1	-141.87	-71.8	-56.4	91.3	91.1	0.27	335.462			
200.0	200.0	200.0	200.0	0.3	0.3	-141.87	-71.8	-56.4	91.3	90.7	0.62	147.001 CC, ES			
300.0	300.0	298.5	298.5	0.5	0.5	-143.09	-72.4	-56.2	93.8	92.8	0.97	96.647 SF			

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												004 696 (3rd) - NP MF06B-3 004 696 (was 15A-4) - 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										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		Warning			
Depth (ft)	Depth (ft)	Depth (ft)	Depth (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	37.74	16.2	12.5	20.5								
100.0	100.0	100.0	100.0	0.1	0.1	37.74	16.2	12.5	20.5	20.2	0.27	75.206					
200.0	200.0	200.0	200.0	0.3	0.3	37.74	16.2	12.5	20.5	19.9	0.62	32.955	CC, ES				
300.0	300.0	298.9	298.9	0.5	0.5	42.09	18.2	14.1	21.1	20.1	0.97	21.663					
400.0	399.6	397.7	397.3	0.7	0.7	53.52	24.2	18.8	23.5	22.1	1.35	17.316					
500.0	498.8	496.1	494.9	1.0	1.0	67.30	34.2	26.7	29.0	27.2	1.84	15.735					
600.0	597.1	594.0	591.2	1.4	1.3	78.87	48.0	37.6	38.5	36.0	2.50	15.384					
700.0	694.3	691.3	685.9	1.8	1.8	87.00	65.6	51.4	52.0	48.7	3.34	15.569					
800.0	790.4	788.1	778.9	2.3	2.3	84.15	86.8	68.0	67.2	62.9	4.32	15.556					
900.0	885.4	885.0	870.4	2.9	2.9	80.69	111.7	87.6	81.7	76.2	5.44	15.023					
1,000.0	979.1	981.7	960.1	3.5	3.6	77.34	140.2	110.0	95.1	88.4	6.68	14.220	SF				

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												O04 696 (3rd) - NP MF06C-3 O04 696 (was 09C-4) - 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										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty Axis	Separation Factor	Warning				
(ft)	(ft)	(ft)	(ft)	(ft)	(ft)	(°)	+N/-S (ft)	+E/-W (ft)	(ft)	(ft)							
0.0	0.0	0.0	0.0	0.0	0.0	37.74	22.3	17.2	28.2								
100.0	100.0	100.0	100.0	0.1	0.1	37.74	22.3	17.2	28.2	27.9	0.27	103.403					
200.0	200.0	200.0	200.0	0.3	0.3	37.74	22.3	17.2	28.2	27.5	0.62	45.311					
300.0	300.0	298.9	298.8	0.5	0.5	37.71	24.8	17.2	28.1	27.1	0.97	28.837					
386.7	386.4	384.5	384.2	0.7	0.7	37.76	31.1	17.1	28.0	26.7	1.30	21.515 CC					
400.0	399.6	397.6	397.3	0.7	0.7	38.01	32.4	17.2	28.0	26.6	1.35	20.714 ES					
500.0	498.8	496.1	495.1	1.0	1.0	44.28	43.8	20.1	28.8	27.0	1.79	16.124					
600.0	597.1	594.3	591.9	1.4	1.3	56.62	58.6	26.6	31.9	29.5	2.38	13.393					
700.0	694.3	691.9	687.3	1.8	1.7	70.59	76.6	36.7	39.1	35.9	3.23	12.133					
800.0	790.4	789.1	781.2	2.3	2.1	73.29	97.8	50.4	49.5	45.3	4.22	11.740					
900.0	885.4	886.2	873.5	2.9	2.7	73.66	122.2	67.5	60.5	55.2	5.32	11.377					
1,000.0	979.1	983.0	964.1	3.5	3.3	73.11	149.6	88.0	71.6	65.1	6.55	10.932					
1,100.0	1,071.1	1,079.7	1,052.7	4.2	4.1	72.20	180.1	111.9	82.5	74.6	7.92	10.419					
1,200.0	1,161.2	1,176.3	1,139.2	5.0	4.9	71.19	213.4	139.1	93.0	83.6	9.42	9.870 SF					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													O04 696 (3rd) - NP MF06E-3 O04 696 (was 11B-3) - 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							Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)	Highside Toolface (°)	Offset Wellbore Centre		Between Centres (ft)	Between Ellipses (ft)	Total Uncertainty Axis	Separation Factor					
							+N/-S (ft)	+E/-W (ft)									
0.0	0.0	0.0	0.0	0.0	0.0	54.69	17.2	24.3	29.8								
100.0	100.0	100.0	100.0	0.1	0.1	54.69	17.2	24.3	29.8	29.5	0.27	109.290					
200.0	200.0	200.0	200.0	0.3	0.3	54.69	17.2	24.3	29.8	29.1	0.62	47.891	CC, ES				
300.0	300.0	298.4	298.4	0.5	0.5	59.65	18.2	26.6	30.9	29.9	0.97	31.693					
400.0	399.6	396.4	396.0	0.7	0.7	72.14	21.0	33.6	35.4	34.1	1.36	25.988					
500.0	498.8	493.7	492.6	1.0	1.0	85.61	26.0	44.9	45.4	43.6	1.84	24.706					
600.0	597.1	590.5	587.9	1.4	1.3	94.84	34.7	59.3	60.4	58.0	2.45	24.699	SF				
700.0	694.3	686.6	681.6	1.8	1.7	100.54	46.9	76.6	79.8	76.6	3.21	24.867					

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF11A-3 O04 696 (was 12C-3) - 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							Warning
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Between Centres	Between Ellipses	Total Uncertainty	Separation		
Depth (ft)	Depth (ft)	Depth (ft)	Depth (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	59.36	11.1	18.8	21.8					
100.0	100.0	100.0	100.0	0.1	0.1	59.36	11.1	18.8	21.8	21.6	0.27	80.246		
200.0	200.0	200.0	200.0	0.3	0.3	59.36	11.1	18.8	21.8	21.2	0.62	35.164		
300.0	300.0	300.0	300.0	0.5	0.5	65.66	11.1	18.8	20.6	19.7	0.98	21.118		
351.9	351.8	351.3	351.3	0.6	0.6	73.66	11.7	19.2	20.1	18.9	1.18	16.968 CC, ES		
400.0	399.6	398.9	398.8	0.7	0.7	82.48	13.1	20.4	20.6	19.3	1.37	15.013		
500.0	498.8	497.8	497.4	1.0	0.9	99.57	19.0	25.4	25.8	24.0	1.86	13.912 SF		
600.0	597.1	596.5	595.3	1.4	1.1	110.20	28.7	33.6	36.0	33.6	2.44	14.760		
700.0	694.3	694.7	691.9	1.8	1.5	115.48	42.3	44.9	50.4	47.3	3.15	15.990		
800.0	790.4	792.8	787.4	2.3	1.9	110.25	59.6	59.4	66.3	62.2	4.03	16.450		
900.0	885.4	891.1	881.7	2.9	2.4	105.57	80.6	77.1	81.1	76.0	5.07	15.988		
1,000.0	979.1	989.0	974.2	3.5	3.0	101.63	105.3	97.9	94.8	88.5	6.27	15.130		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF11B-3 O04 696 (was 14A-3) - 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							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	128.89	-5.1	6.3	8.1					
100.0	100.0	100.0	100.0	0.1	0.1	128.89	-5.1	6.3	8.1	7.8	0.27	29.569		
200.0	200.0	200.0	200.0	0.3	0.3	128.89	-5.1	6.3	8.1	7.4	0.62	12.957 CC, ES		
300.0	300.0	299.8	299.8	0.5	0.5	126.12	-3.5	8.4	10.4	9.4	0.98	10.543 SF		
400.0	399.6	399.3	399.0	0.7	0.7	122.22	1.1	14.6	17.4	16.0	1.40	12.366		
500.0	498.8	498.2	497.0	1.0	1.0	119.81	8.8	24.9	29.0	27.1	1.92	15.084		
600.0	597.1	596.1	593.3	1.4	1.3	118.39	19.3	39.2	45.3	42.7	2.57	17.623		
700.0	694.3	692.8	687.3	1.8	1.8	117.42	32.5	57.1	66.1	62.7	3.35	19.708		
800.0	790.4	788.5	779.2	2.3	2.3	109.04	48.4	78.6	89.0	84.7	4.30	20.728		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF11D-3 O04 696 (was 14B-3) - DD - Plan #2													Offset Site Error:	0.0 ft
Survey Program: 0-MWD													Offset Well Error:	0.0 ft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Distance		Total Uncertainty Axis	Separation Factor	Warning			
Measured Depth (ft)	Vertical Depth (ft)	Measured Depth (ft)	Vertical Depth (ft)	Reference (ft)	Offset (ft)		Offset Wellbore Centre +N/-S (ft)	+E/-W (ft)						
0.0	0.0	0.0	0.0	0.0	0.0	171.98	-11.1	1.6	11.2					
100.0	100.0	100.0	100.0	0.1	0.1	171.98	-11.1	1.6	11.2	11.0	0.27	41.264		
200.0	200.0	200.0	200.0	0.3	0.3	171.98	-11.1	1.6	11.2	10.6	0.62	18.082 CC, ES		
300.0	300.0	300.2	300.1	0.5	0.5	162.81	-9.8	3.8	13.0	12.0	0.98	13.298 SF		
400.0	399.6	399.9	399.5	0.7	0.7	146.86	-5.9	10.6	19.5	18.1	1.39	14.075		
500.0	498.8	498.8	497.6	1.0	1.0	135.98	0.5	21.8	31.7	29.8	1.90	16.734		
600.0	597.1	596.5	593.7	1.4	1.4	129.88	9.3	37.1	49.4	46.9	2.53	19.571		
700.0	694.3	692.7	687.3	1.8	1.8	126.28	20.3	56.4	72.3	69.0	3.28	22.021		
800.0	790.4	787.7	778.5	2.3	2.3	116.38	33.5	79.4	98.0	93.8	4.20	23.309		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF11E-3 O04 696 (was 13A-3) - 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						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	-142.25	-22.3	-17.2	28.1				
100.0	100.0	100.0	100.0	0.1	0.1	-142.25	-22.3	-17.2	28.1	27.9	0.27	103.377	
200.0	200.0	200.0	200.0	0.3	0.3	-142.25	-22.3	-17.2	28.1	27.5	0.62	45.300	
299.3	299.3	300.5	300.5	0.5	0.5	-148.02	-21.1	-14.8	28.0	27.0	0.97	28.733 CC	
300.0	300.0	301.2	301.2	0.5	0.5	-148.10	-21.1	-14.8	28.0	27.0	0.98	28.656 ES	
400.0	399.6	402.0	401.6	0.7	0.7	-165.06	-17.8	-7.5	29.3	27.9	1.36	21.571	
500.0	498.8	501.8	500.5	1.0	1.0	173.02	-12.3	4.4	36.1	34.3	1.82	19.855 SF	
600.0	597.1	600.2	597.2	1.4	1.4	155.55	-4.7	20.7	50.8	48.4	2.42	21.025	
700.0	694.3	696.7	691.1	1.8	1.8	144.46	4.8	41.0	73.0	69.9	3.17	23.075	
800.0	790.4	791.8	782.4	2.3	2.3	130.09	16.0	65.3	99.6	95.5	4.09	24.375	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF11G-3 O04 696 (was 14C-3) - 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							
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	-142.25	-28.3	-21.9	35.8					
100.0	100.0	100.0	100.0	0.1	0.1	-142.25	-28.3	-21.9	35.8	35.6	0.27	131.575		
200.0	200.0	200.0	200.0	0.3	0.3	-142.25	-28.3	-21.9	35.8	35.2	0.62	57.656 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-144.63	-28.3	-21.9	37.9	37.0	0.97	38.993		
400.0	399.6	401.2	401.1	0.7	0.7	-153.09	-27.7	-19.3	42.8	41.4	1.33	32.072		
500.0	498.8	501.6	501.2	1.0	0.9	-166.67	-25.7	-11.6	50.7	49.0	1.71	29.675 SF		
600.0	597.1	600.7	599.4	1.4	1.2	179.12	-22.6	1.0	64.4	62.2	2.13	30.221		
700.0	694.3	697.7	694.9	1.8	1.5	167.36	-18.3	18.1	85.3	82.7	2.66	32.024		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													O04 696 (3rd) - NP MF14A-3 O04 696 (was 13B-3) - 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							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	-158.13	-27.3	-11.0	29.4									
100.0	100.0	100.0	100.0	0.1	0.1	-158.13	-27.3	-11.0	29.4	29.2	0.27	108.102						
200.0	200.0	200.0	200.0	0.3	0.3	-158.13	-27.3	-11.0	29.4	28.8	0.62	47.371	CC, ES					
300.0	300.0	300.7	300.7	0.5	0.5	-164.19	-26.9	-8.3	30.7	29.7	0.98	31.315						
400.0	399.6	400.7	400.3	0.7	0.7	-179.07	-25.5	-0.6	36.0	34.6	1.37	26.274	SF					
500.0	498.8	499.4	498.1	1.0	1.0	165.31	-23.4	12.1	48.4	46.6	1.83	26.457						
600.0	597.1	596.0	593.2	1.4	1.4	153.92	-20.4	29.4	68.8	66.5	2.39	28.863						
700.0	694.3	690.2	684.8	1.8	1.8	146.50	-16.8	50.7	96.7	93.7	3.04	31.774						

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF14C-3 O04 696 (was 14D-3) - 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						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	-154.86	-33.4	-15.7	36.9				
100.0	100.0	100.0	100.0	0.1	0.1	-154.86	-33.4	-15.7	36.9	36.6	0.27	135.444	
200.0	200.0	200.0	200.0	0.3	0.3	-154.86	-33.4	-15.7	36.9	36.3	0.62	59.352 CC, ES	
300.0	300.0	300.7	300.7	0.5	0.5	-160.10	-33.3	-13.0	38.2	37.3	0.98	39.033	
400.0	399.6	400.6	400.3	0.7	0.7	-173.26	-33.2	-5.1	44.0	42.6	1.37	32.042	
500.0	498.8	498.9	497.7	1.0	1.0	172.14	-33.0	7.7	57.0	55.2	1.82	31.331 SF	
600.0	597.1	594.9	592.1	1.4	1.3	160.77	-32.6	25.0	78.6	76.3	2.34	33.593	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF14D-3 O04 696 (was 19A-3) - 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							
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	-141.61	-43.5	-34.5	55.5					
100.0	100.0	100.0	100.0	0.1	0.1	-141.61	-43.5	-34.5	55.5	55.2	0.27	203.842		
200.0	200.0	200.0	200.0	0.3	0.3	-141.61	-43.5	-34.5	55.5	54.9	0.62	89.324 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-143.19	-43.5	-34.5	57.6	56.6	0.97	59.179		
400.0	399.6	401.1	401.1	0.7	0.7	-149.53	-43.7	-31.8	62.8	61.5	1.34	46.949		
500.0	498.8	501.1	500.7	1.0	0.9	-160.44	-44.4	-23.9	72.0	70.3	1.72	41.790		
600.0	597.1	598.9	597.7	1.4	1.1	-172.53	-45.4	-11.2	87.9	85.8	2.14	41.113 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF14E-3 O04 696 (was 19B-3) - 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						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	-149.86	-48.6	-28.2	56.2				
100.0	100.0	100.0	100.0	0.1	0.1	-149.86	-48.6	-28.2	56.2	55.9	0.27	206.246	
200.0	200.0	200.0	200.0	0.3	0.3	-149.86	-48.6	-28.2	56.2	55.5	0.62	90.378 CC, ES	
300.0	300.0	300.6	300.5	0.5	0.5	-153.68	-49.3	-25.6	57.9	56.9	0.98	58.991	
400.0	399.6	400.1	399.8	0.7	0.7	-163.60	-51.3	-18.1	64.4	63.0	1.38	46.796	
500.0	498.8	497.6	496.4	1.0	1.0	-175.64	-54.6	-5.9	78.4	76.6	1.81	43.317 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF15A-4 O04 696 (was 11D-3) - 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						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	-142.23	-6.1	-4.7	7.7				
100.0	100.0	100.0	100.0	0.1	0.1	-142.23	-6.1	-4.7	7.7	7.4	0.27	28.185	
200.0	200.0	200.0	200.0	0.3	0.3	-142.23	-6.1	-4.7	7.7	7.1	0.62	12.351	CC, ES
300.0	300.0	300.2	300.2	0.5	0.5	-138.61	-3.5	-5.4	8.2	7.2	0.98	8.379	
400.0	399.6	400.4	400.1	0.7	0.7	-130.22	4.0	-7.6	10.0	8.6	1.40	7.146	
500.0	498.8	500.6	499.3	1.0	1.0	-121.53	16.6	-11.3	13.2	11.3	1.94	6.810	
600.0	597.1	600.6	597.7	1.4	1.4	-114.79	34.1	-16.3	18.0	15.4	2.65	6.793	SF
700.0	694.3	700.5	694.9	1.8	1.8	-111.46	56.0	-22.7	24.4	20.9	3.50	6.982	
800.0	790.4	799.9	791.6	2.3	2.2	-121.61	78.5	-29.2	34.3	29.9	4.33	7.918	
900.0	885.4	898.8	887.7	2.9	2.6	-130.28	100.8	-35.6	49.2	44.1	5.13	9.584	
1,000.0	979.1	996.7	982.9	3.5	3.1	-137.12	122.9	-42.0	69.3	63.4	5.91	11.718	
1,100.0	1,071.1	1,093.5	1,076.9	4.2	3.5	-142.42	144.7	-48.4	94.4	87.8	6.66	14.177	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF19A-3 O04 696 (was 17B-4) - 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						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	-142.25	-50.6	-39.2	64.0				
100.0	100.0	100.0	100.0	0.1	0.1	-142.25	-50.6	-39.2	64.0	63.7	0.27	234.965	
200.0	200.0	200.0	200.0	0.3	0.3	-142.25	-50.6	-39.2	64.0	63.4	0.62	102.962 CC, ES	
300.0	300.0	300.3	300.3	0.5	0.5	-144.18	-50.8	-38.6	65.9	64.9	0.97	67.673	
400.0	399.6	400.3	400.1	0.7	0.7	-151.86	-52.9	-33.7	71.8	70.4	1.35	53.210	
500.0	498.8	498.3	497.6	1.0	0.9	-162.93	-56.9	-24.3	84.0	82.2	1.75	47.854 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF19C-3 O04 696 (was 20B-3) - 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						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	-149.41	-55.6	-32.9	64.6				
100.0	100.0	100.0	100.0	0.1	0.1	-149.41	-55.6	-32.9	64.6	64.4	0.27	237.417	
200.0	200.0	200.0	200.0	0.3	0.3	-149.41	-55.6	-32.9	64.6	64.0	0.62	104.037 CC, ES	
300.0	300.0	299.8	299.8	0.5	0.5	-152.74	-57.0	-30.6	67.0	66.0	0.98	68.389	
400.0	399.6	398.4	398.0	0.7	0.7	-161.25	-60.9	-24.0	75.3	73.9	1.37	54.919	
500.0	498.8	494.6	493.4	1.0	1.0	-171.44	-67.1	-13.3	91.8	90.0	1.79	51.305 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design												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	-141.83	-65.8	-51.7	83.6					
100.0	100.0	100.0	100.0	0.1	0.1	-141.83	-65.8	-51.7	83.6	83.4	0.27	307.228		
200.0	200.0	200.0	200.0	0.3	0.3	-141.83	-65.8	-51.7	83.6	83.0	0.62	134.628 CC, ES		
300.0	300.0	300.0	300.0	0.5	0.5	-142.87	-65.8	-51.7	85.7	84.7	0.97	88.106		
400.0	399.6	399.3	399.3	0.7	0.7	-146.08	-66.2	-51.2	92.2	90.9	1.33	69.148 SF		

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design O04 696 (3rd) - NP MF19E-3 O04 696 (was 19D-3) - 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						
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	-147.32	-70.8	-45.4	84.1				
100.0	100.0	100.0	100.0	0.1	0.1	-147.32	-70.8	-45.4	84.1	83.9	0.27	309.030	
200.0	200.0	200.0	200.0	0.3	0.3	-147.32	-70.8	-45.4	84.1	83.5	0.62	135.418 CC, ES	
300.0	300.0	299.4	299.4	0.5	0.5	-149.92	-72.4	-43.4	86.6	85.7	0.98	88.473	
400.0	399.6	397.6	397.2	0.7	0.7	-156.73	-77.0	-37.3	95.1	93.7	1.37	69.377 SF	

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Offset Design													O04 696 (3rd) - NP MF20F-3 O04 696 (was 20D-3) - 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							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	-146.90	-76.9	-50.1	91.8										
100.0	100.0	100.0	100.0	0.1	0.1	-146.90	-76.9	-50.1	91.8	91.5	0.27	337.127							
200.0	200.0	200.0	200.0	0.3	0.3	-146.90	-76.9	-50.1	91.8	91.2	0.62	147.730 CC, ES							
300.0	300.0	298.6	298.5	0.5	0.5	-149.19	-78.8	-48.4	94.7	93.7	0.98	96.918 SF							

Anticollision Report

Company:	EnCana Oil & Gas (USA) Inc	Local Co-ordinate Reference:	Well NP MF06A-3 O04 696 (was 11C-3)
Project:	North Piceance	TVD Reference:	WELL @ 6044.0ft (Original Well Elev)
Reference Site:	O04 696 (3rd)	MD Reference:	WELL @ 6044.0ft (Original Well Elev)
Site Error:	0.0ft	North Reference:	True
Reference Well:	NP MF06A-3 O04 696 (was 11C-3)	Survey Calculation Method:	Minimum Curvature
Well Error:	0.0ft	Output errors are at	2.00 sigma
Reference Wellbore	DD	Database:	EDM 5000.1 US Multi Users DB
Reference Design:	Plan #2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to WELL @ 6044.0ft (Original Well Elev)

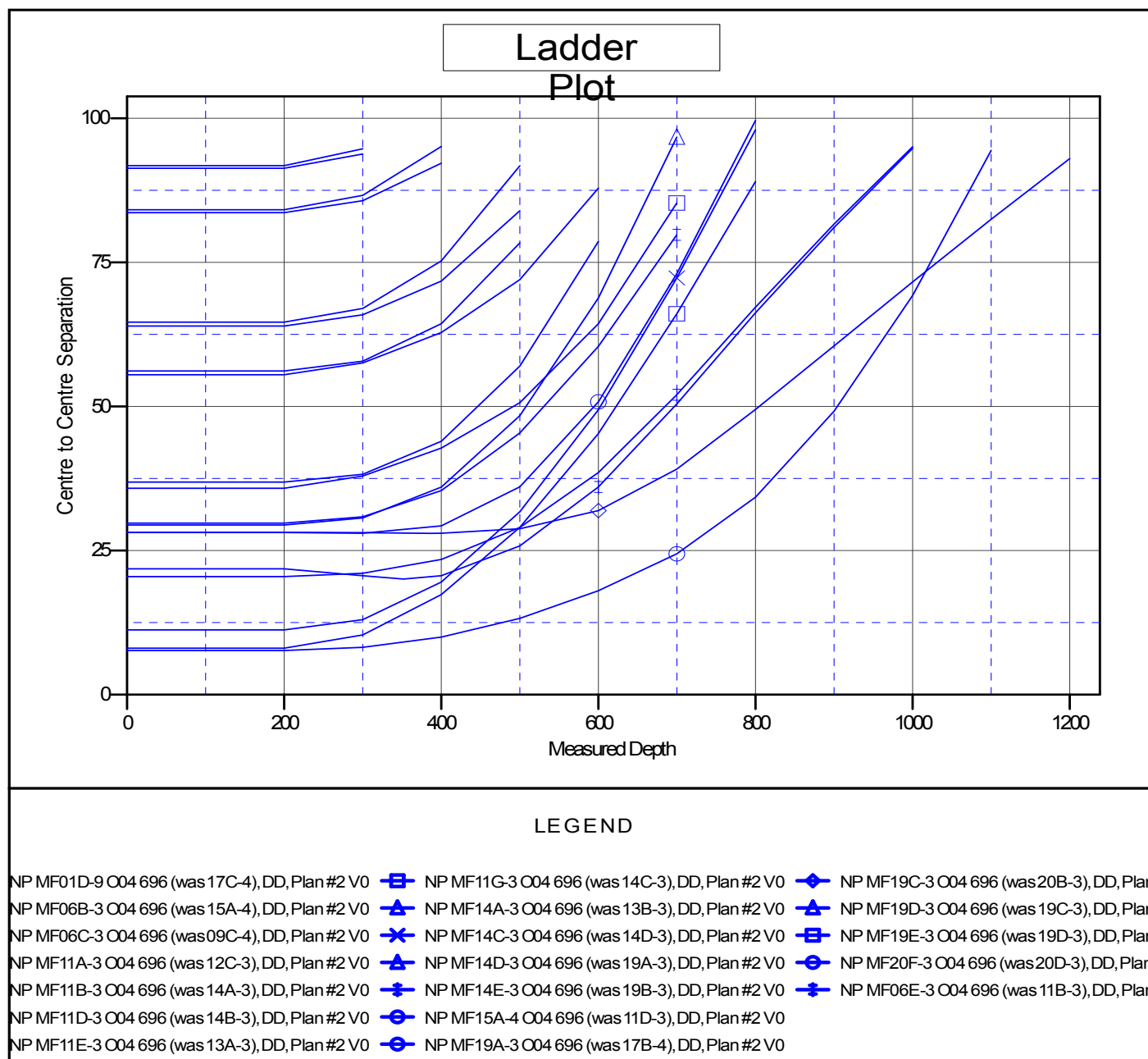
Offset Depths are relative to Offset Datum

Central Meridian is 105° 30' 0.00 W °

Coordinates are relative to: NP MF06A-3 O04 696 (was 11C-3)

Coordinate System is US State Plane 1983, Colorado Central Zone

Grid Convergence at Surface is: -1.64°



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