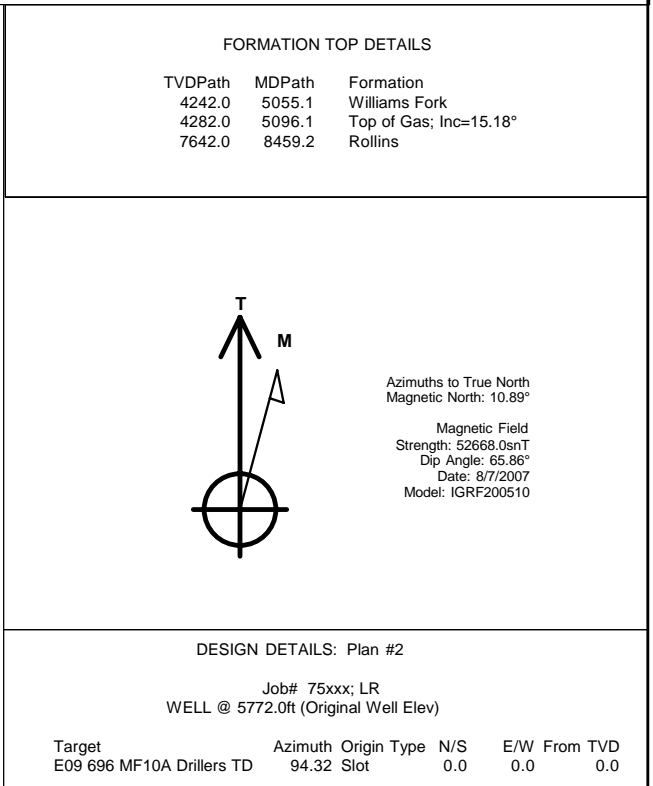
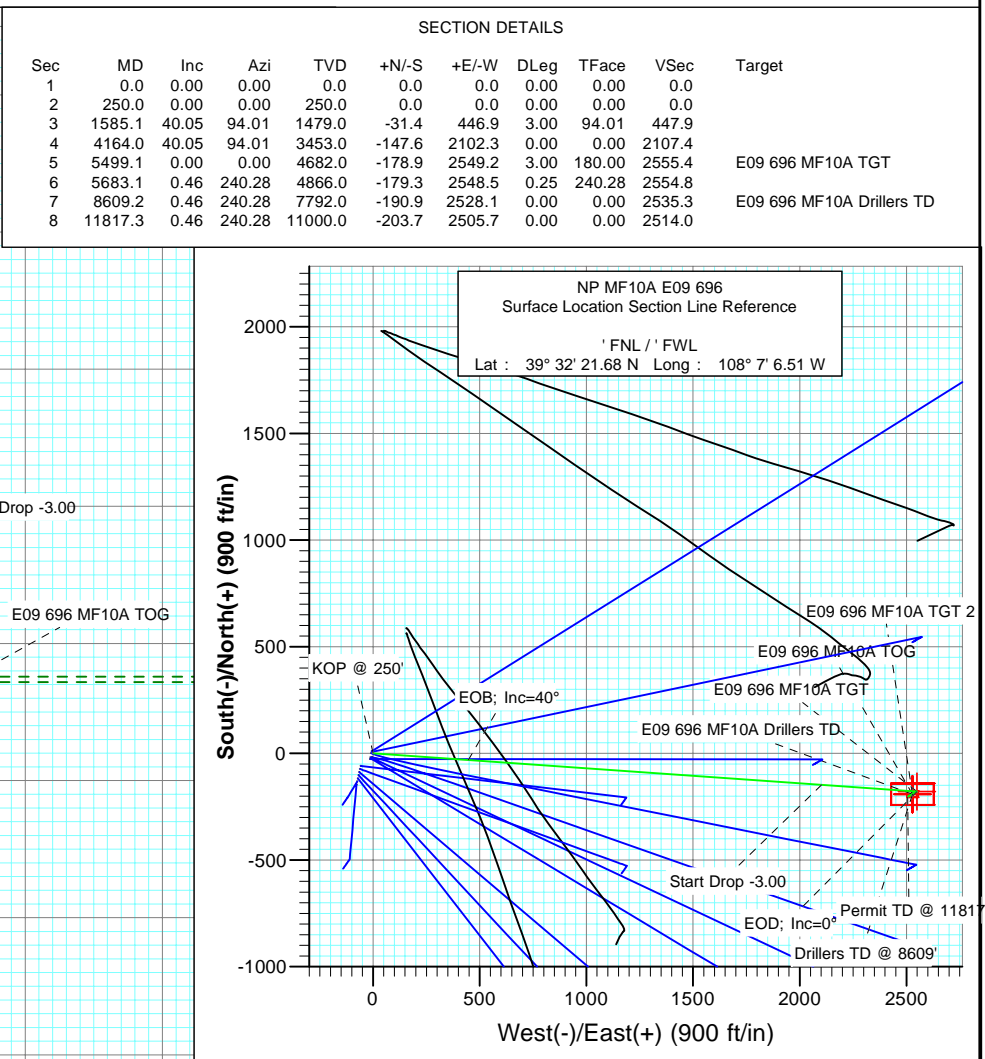
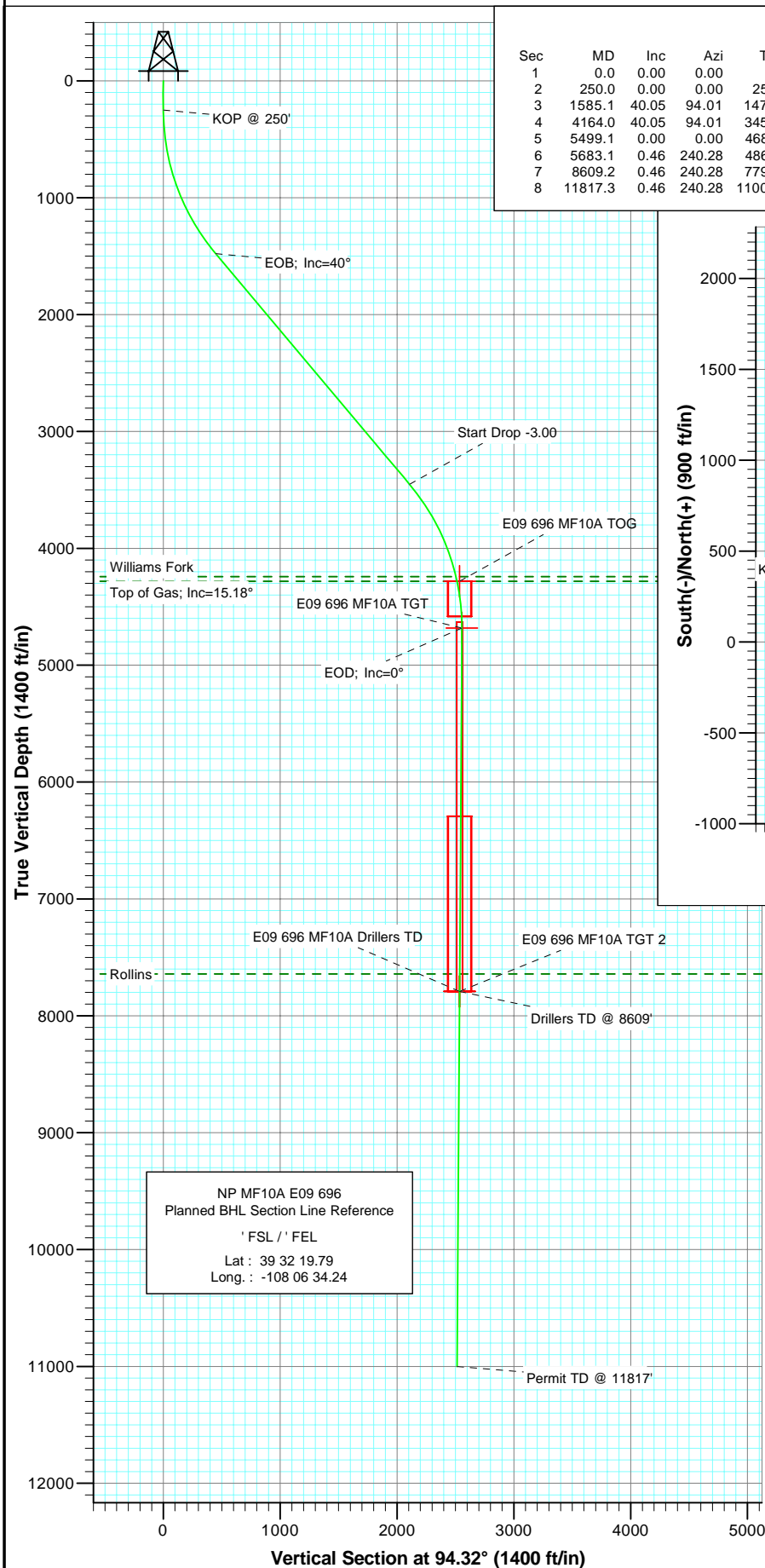




Project: North Piceance
Site: E09 696 (SWNW S9-T6S-R96W)
Well: NP MF10A E09 696
Wellbore: DD
Plan: Plan #2



Cathedral Energy Services

Planning Report

Database:	EDM 2003.21 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF10A E09 696
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5772.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 5772.0ft (Original Well Elev)
Site:	E09 696 (SWNW S9-T6S-R96W)	North Reference:	True
Well:	NP MF10A E09 696	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		E09 696 (SWNW S9-T6S-R96W)			
Site Position:		Northing:	1,632,140.57 ft	Latitude:	39° 32' 23.23 N
From:	Lat/Long	Easting:	2,261,634.68 ft	Longitude:	108° 7' 6.47 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	-1.65 °

Well	NP MF10A E09 696					
Well Position	+N/-S	0.0 ft	Northing:	1,631,983.93 ft	Latitude:	39° 32' 21.68 N
	+E/-W	0.0 ft	Easting:	2,261,627.06 ft	Longitude:	108° 7' 6.51 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,756.0 ft

Wellbore	DD				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF200510	8/7/2007	10.89	65.86	52,668

Design	Plan #2			
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	94.32

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	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,585.1	40.05	94.01	1,479.0	-31.4	446.9	3.00	3.00	0.00	94.01	
4,164.0	40.05	94.01	3,453.0	-147.6	2,102.3	0.00	0.00	0.00	0.00	
5,499.1	0.00	0.00	4,682.0	-178.9	2,549.2	3.00	-3.00	0.00	180.00	E09 696 MF10A TGT
5,683.1	0.46	240.28	4,866.0	-179.3	2,548.5	0.25	0.25	-65.07	240.28	
8,609.2	0.46	240.28	7,792.0	-190.9	2,528.1	0.00	0.00	0.00	0.00	E09 696 MF10A Drille
11,817.3	0.46	240.28	11,000.0	-203.7	2,505.7	0.00	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	EDM 2003.21 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF10A E09 696
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5772.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 5772.0ft (Original Well Elev)
Site:	E09 696 (SWNW S9-T6S-R96W)	North Reference:	True
Well:	NP MF10A E09 696	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
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	
210.0	0.00	0.00	210.0	0.0	0.0	0.0	0.00	0.00	
240.0	0.00	0.00	240.0	0.0	0.0	0.0	0.00	0.00	
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	KOP @ 250'
270.0	0.60	94.01	270.0	0.0	0.1	0.1	3.00	3.00	
300.0	1.50	94.01	300.0	0.0	0.7	0.7	3.00	3.00	
330.0	2.40	94.01	330.0	-0.1	1.7	1.7	3.00	3.00	
360.0	3.30	94.01	359.9	-0.2	3.2	3.2	3.00	3.00	
390.0	4.20	94.01	389.9	-0.4	5.1	5.1	3.00	3.00	
420.0	5.10	94.01	419.8	-0.5	7.5	7.6	3.00	3.00	
450.0	6.00	94.01	449.6	-0.7	10.4	10.5	3.00	3.00	
480.0	6.90	94.01	479.4	-1.0	13.8	13.8	3.00	3.00	
510.0	7.80	94.01	509.2	-1.2	17.6	17.7	3.00	3.00	
540.0	8.70	94.01	538.9	-1.5	21.9	22.0	3.00	3.00	
570.0	9.60	94.01	568.5	-1.9	26.7	26.7	3.00	3.00	
600.0	10.50	94.01	598.0	-2.2	31.9	32.0	3.00	3.00	
630.0	11.40	94.01	627.5	-2.6	37.6	37.7	3.00	3.00	
660.0	12.30	94.01	656.9	-3.1	43.7	43.8	3.00	3.00	
690.0	13.20	94.01	686.1	-3.5	50.3	50.5	3.00	3.00	
720.0	14.10	94.01	715.3	-4.0	57.4	57.5	3.00	3.00	
750.0	15.00	94.01	744.3	-4.6	64.9	65.1	3.00	3.00	
780.0	15.90	94.01	773.2	-5.1	72.9	73.1	3.00	3.00	
810.0	16.80	94.01	802.0	-5.7	81.3	81.5	3.00	3.00	
840.0	17.70	94.01	830.7	-6.3	90.2	90.4	3.00	3.00	
870.0	18.60	94.01	859.2	-7.0	99.5	99.8	3.00	3.00	
900.0	19.50	94.01	887.5	-7.7	109.3	109.5	3.00	3.00	
930.0	20.40	94.01	915.7	-8.4	119.5	119.8	3.00	3.00	
960.0	21.30	94.01	943.8	-9.1	130.1	130.5	3.00	3.00	
990.0	22.20	94.01	971.6	-9.9	141.2	141.6	3.00	3.00	
1,020.0	23.10	94.01	999.3	-10.7	152.8	153.1	3.00	3.00	
1,050.0	24.00	94.01	1,026.8	-11.6	164.7	165.1	3.00	3.00	
1,080.0	24.90	94.01	1,054.1	-12.4	177.1	177.5	3.00	3.00	
1,110.0	25.80	94.01	1,081.2	-13.3	189.9	190.4	3.00	3.00	
1,140.0	26.70	94.01	1,108.1	-14.3	203.1	203.6	3.00	3.00	
1,170.0	27.60	94.01	1,134.8	-15.2	216.8	217.3	3.00	3.00	
1,200.0	28.50	94.01	1,161.3	-16.2	230.9	231.4	3.00	3.00	
1,230.0	29.40	94.01	1,187.6	-17.2	245.4	246.0	3.00	3.00	
1,260.0	30.30	94.01	1,213.6	-18.3	260.3	260.9	3.00	3.00	
1,290.0	31.20	94.01	1,239.4	-19.3	275.6	276.2	3.00	3.00	
1,320.0	32.10	94.01	1,264.9	-20.4	291.3	292.0	3.00	3.00	
1,350.0	33.00	94.01	1,290.2	-21.6	307.4	308.1	3.00	3.00	
1,380.0	33.90	94.01	1,315.2	-22.7	323.9	324.6	3.00	3.00	
1,410.0	34.80	94.01	1,340.0	-23.9	340.7	341.6	3.00	3.00	
1,440.0	35.70	94.01	1,364.5	-25.1	358.0	358.9	3.00	3.00	
1,470.0	36.60	94.01	1,388.7	-26.4	375.7	376.6	3.00	3.00	
1,500.0	37.50	94.01	1,412.6	-27.6	393.7	394.7	3.00	3.00	

Cathedral Energy Services

Planning Report

Database:	EDM 2003.21 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF10A E09 696
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5772.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 5772.0ft (Original Well Elev)
Site:	E09 696 (SWNW S9-T6S-R96W)	North Reference:	True
Well:	NP MF10A E09 696	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
1,530.0	38.40	94.01	1,436.3	-28.9	412.1	413.1	3.00	3.00	
1,560.0	39.30	94.01	1,459.7	-30.2	430.9	431.9	3.00	3.00	
1,585.1	40.05	94.01	1,479.0	-31.4	446.9	447.9	3.00	3.00	EOB; Inc=40°
1,590.0	40.05	94.01	1,482.7	-31.6	450.0	451.1	0.00	0.00	
1,620.0	40.05	94.01	1,505.7	-32.9	469.3	470.4	0.00	0.00	
1,650.0	40.05	94.01	1,528.7	-34.3	488.5	489.7	0.00	0.00	
1,680.0	40.05	94.01	1,551.6	-35.6	507.8	509.0	0.00	0.00	
1,710.0	40.05	94.01	1,574.6	-37.0	527.0	528.3	0.00	0.00	
1,740.0	40.05	94.01	1,597.6	-38.3	546.3	547.6	0.00	0.00	
1,770.0	40.05	94.01	1,620.5	-39.7	565.5	566.9	0.00	0.00	
1,800.0	40.05	94.01	1,643.5	-41.0	584.8	586.2	0.00	0.00	
1,830.0	40.05	94.01	1,666.4	-42.4	604.1	605.5	0.00	0.00	
1,860.0	40.05	94.01	1,689.4	-43.7	623.3	624.8	0.00	0.00	
1,890.0	40.05	94.01	1,712.4	-45.1	642.6	644.1	0.00	0.00	
1,920.0	40.05	94.01	1,735.3	-46.5	661.8	663.5	0.00	0.00	
1,950.0	40.05	94.01	1,758.3	-47.8	681.1	682.8	0.00	0.00	
1,980.0	40.05	94.01	1,781.3	-49.2	700.4	702.1	0.00	0.00	
2,010.0	40.05	94.01	1,804.2	-50.5	719.6	721.4	0.00	0.00	
2,040.0	40.05	94.01	1,827.2	-51.9	738.9	740.7	0.00	0.00	
2,070.0	40.05	94.01	1,850.2	-53.2	758.1	760.0	0.00	0.00	
2,100.0	40.05	94.01	1,873.1	-54.6	777.4	779.3	0.00	0.00	
2,130.0	40.05	94.01	1,896.1	-55.9	796.6	798.6	0.00	0.00	
2,160.0	40.05	94.01	1,919.0	-57.3	815.9	817.9	0.00	0.00	
2,190.0	40.05	94.01	1,942.0	-58.6	835.2	837.2	0.00	0.00	
2,220.0	40.05	94.01	1,965.0	-60.0	854.4	856.5	0.00	0.00	
2,250.0	40.05	94.01	1,987.9	-61.3	873.7	875.8	0.00	0.00	
2,280.0	40.05	94.01	2,010.9	-62.7	892.9	895.1	0.00	0.00	
2,310.0	40.05	94.01	2,033.9	-64.0	912.2	914.4	0.00	0.00	
2,340.0	40.05	94.01	2,056.8	-65.4	931.4	933.7	0.00	0.00	
2,370.0	40.05	94.01	2,079.8	-66.7	950.7	953.0	0.00	0.00	
2,400.0	40.05	94.01	2,102.8	-68.1	970.0	972.3	0.00	0.00	
2,430.0	40.05	94.01	2,125.7	-69.4	989.2	991.6	0.00	0.00	
2,460.0	40.05	94.01	2,148.7	-70.8	1,008.5	1,010.9	0.00	0.00	
2,490.0	40.05	94.01	2,171.6	-72.1	1,027.7	1,030.2	0.00	0.00	

Cathedral Energy Services

Planning Report

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Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5772.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 5772.0ft (Original Well Elev)
Site:	E09 696 (SWNW S9-T6S-R96W)	North Reference:	True
Well:	NP MF10A E09 696	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
2,500.0	40.05	94.01	2,179.3	-72.6	1,034.1	1,036.7	0.00	0.00	
2,600.0	40.05	94.01	2,255.8	-77.1	1,098.3	1,101.0	0.00	0.00	
2,700.0	40.05	94.01	2,332.4	-81.6	1,162.5	1,165.4	0.00	0.00	
2,800.0	40.05	94.01	2,408.9	-86.1	1,226.7	1,229.7	0.00	0.00	
2,900.0	40.05	94.01	2,485.5	-90.6	1,290.9	1,294.1	0.00	0.00	
3,000.0	40.05	94.01	2,562.0	-95.1	1,355.1	1,358.4	0.00	0.00	
3,100.0	40.05	94.01	2,638.6	-99.6	1,419.3	1,422.8	0.00	0.00	
3,200.0	40.05	94.01	2,715.1	-104.1	1,483.5	1,487.1	0.00	0.00	
3,300.0	40.05	94.01	2,791.7	-108.6	1,547.7	1,551.5	0.00	0.00	
3,400.0	40.05	94.01	2,868.2	-113.1	1,611.9	1,615.8	0.00	0.00	
3,500.0	40.05	94.01	2,944.7	-117.6	1,676.1	1,680.2	0.00	0.00	
3,600.0	40.05	94.01	3,021.3	-122.1	1,740.3	1,744.5	0.00	0.00	
3,700.0	40.05	94.01	3,097.8	-126.7	1,804.4	1,808.9	0.00	0.00	
3,800.0	40.05	94.01	3,174.4	-131.2	1,868.6	1,873.2	0.00	0.00	
3,900.0	40.05	94.01	3,250.9	-135.7	1,932.8	1,937.6	0.00	0.00	
4,000.0	40.05	94.01	3,327.5	-140.2	1,997.0	2,001.9	0.00	0.00	
4,100.0	40.05	94.01	3,404.0	-144.7	2,061.2	2,066.3	0.00	0.00	
4,164.0	40.05	94.01	3,453.0	-147.6	2,102.3	2,107.4	0.00	0.00	Start Drop -3.00
4,200.0	38.97	94.01	3,480.8	-149.2	2,125.1	2,130.3	3.00	-3.00	
4,300.0	35.97	94.01	3,560.1	-153.4	2,185.8	2,191.2	3.00	-3.00	
4,400.0	32.97	94.01	3,642.6	-157.4	2,242.3	2,247.8	3.00	-3.00	
4,500.0	29.97	94.01	3,727.8	-161.0	2,294.4	2,300.0	3.00	-3.00	
4,600.0	26.97	94.01	3,815.7	-164.4	2,341.9	2,347.6	3.00	-3.00	
4,700.0	23.97	94.01	3,906.0	-167.4	2,384.8	2,390.6	3.00	-3.00	
4,800.0	20.97	94.01	3,998.4	-170.1	2,422.9	2,428.9	3.00	-3.00	
4,900.0	17.97	94.01	4,092.7	-172.4	2,456.2	2,462.2	3.00	-3.00	
5,000.0	14.97	94.01	4,188.6	-174.4	2,484.5	2,490.5	3.00	-3.00	
5,055.1	13.32	94.01	4,242.0	-175.3	2,497.9	2,504.0	3.00	-3.00	Williams Fork
5,096.1	12.09	94.01	4,282.0	-176.0	2,506.9	2,513.0	3.00	-3.00	Top of Gas; Inc=15.18°
5,100.0	11.97	94.01	4,285.8	-176.0	2,507.7	2,513.8	3.00	-3.00	
5,100.2	11.97	94.01	4,285.9	-176.0	2,507.7	2,513.9	0.00	0.00	E09 696 MF10A TOG
5,200.0	8.97	94.01	4,384.1	-177.3	2,525.8	2,532.0	3.00	-3.00	
5,300.0	5.97	94.01	4,483.3	-178.2	2,538.8	2,545.0	3.00	-3.00	
5,400.0	2.97	94.01	4,582.9	-178.7	2,546.6	2,552.8	3.00	-3.00	
5,499.1	0.00	0.00	4,682.0	-178.9	2,549.2	2,555.4	3.00	-3.00	EOD; Inc=0° - E09 696 MF10A TGT
5,500.0	0.00	240.28	4,682.9	-178.9	2,549.2	2,555.4	0.25	0.25	
5,600.0	0.25	240.28	4,782.9	-179.0	2,549.0	2,555.2	0.25	0.25	
5,683.1	0.46	240.28	4,866.0	-179.3	2,548.5	2,554.8	0.25	0.25	
5,700.0	0.46	240.28	4,882.9	-179.4	2,548.4	2,554.7	0.00	0.00	
5,800.0	0.46	240.28	4,982.9	-179.8	2,547.7	2,554.0	0.00	0.00	
5,900.0	0.46	240.28	5,082.9	-180.2	2,547.0	2,553.3	0.00	0.00	
6,000.0	0.46	240.28	5,182.9	-180.5	2,546.3	2,552.7	0.00	0.00	
6,100.0	0.46	240.28	5,282.9	-180.9	2,545.6	2,552.0	0.00	0.00	
6,200.0	0.46	240.28	5,382.9	-181.3	2,544.9	2,551.3	0.00	0.00	
6,300.0	0.46	240.28	5,482.9	-181.7	2,544.2	2,550.7	0.00	0.00	
6,400.0	0.46	240.28	5,582.9	-182.1	2,543.5	2,550.0	0.00	0.00	
6,500.0	0.46	240.28	5,682.9	-182.5	2,542.8	2,549.3	0.00	0.00	
6,600.0	0.46	240.28	5,782.9	-182.9	2,542.1	2,548.7	0.00	0.00	
6,700.0	0.46	240.28	5,882.9	-183.3	2,541.4	2,548.0	0.00	0.00	
6,800.0	0.46	240.28	5,982.9	-183.7	2,540.7	2,547.3	0.00	0.00	
6,900.0	0.46	240.28	6,082.9	-184.1	2,540.0	2,546.7	0.00	0.00	
7,000.0	0.46	240.28	6,182.9	-184.5	2,539.3	2,546.0	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	EDM 2003.21 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF10A E09 696
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5772.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 5772.0ft (Original Well Elev)
Site:	E09 696 (SWNW S9-T6S-R96W)	North Reference:	True
Well:	NP MF10A E09 696	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
7,100.0	0.46	240.28	6,282.8	-184.9	2,538.6	2,545.4	0.00	0.00	
7,200.0	0.46	240.28	6,382.8	-185.3	2,537.9	2,544.7	0.00	0.00	
7,300.0	0.46	240.28	6,482.8	-185.7	2,537.2	2,544.0	0.00	0.00	
7,400.0	0.46	240.28	6,582.8	-186.1	2,536.5	2,543.4	0.00	0.00	
7,500.0	0.46	240.28	6,682.8	-186.5	2,535.8	2,542.7	0.00	0.00	
7,600.0	0.46	240.28	6,782.8	-186.9	2,535.1	2,542.0	0.00	0.00	
7,700.0	0.46	240.28	6,882.8	-187.3	2,534.4	2,541.4	0.00	0.00	
7,800.0	0.46	240.28	6,982.8	-187.7	2,533.8	2,540.7	0.00	0.00	
7,900.0	0.46	240.28	7,082.8	-188.1	2,533.1	2,540.0	0.00	0.00	
8,000.0	0.46	240.28	7,182.8	-188.5	2,532.4	2,539.4	0.00	0.00	
8,100.0	0.46	240.28	7,282.8	-188.9	2,531.7	2,538.7	0.00	0.00	
8,200.0	0.46	240.28	7,382.8	-189.3	2,531.0	2,538.0	0.00	0.00	
8,300.0	0.46	240.28	7,482.8	-189.7	2,530.3	2,537.4	0.00	0.00	
8,400.0	0.46	240.28	7,582.8	-190.1	2,529.6	2,536.7	0.00	0.00	
8,459.2	0.46	240.28	7,642.0	-190.3	2,529.2	2,536.3	0.00	0.00	Rollins
8,500.0	0.46	240.28	7,682.8	-190.5	2,528.9	2,536.0	0.00	0.00	
8,600.0	0.46	240.28	7,782.8	-190.9	2,528.2	2,535.4	0.00	0.00	
8,609.2	0.46	240.28	7,792.0	-190.9	2,528.1	2,535.3	0.00	0.00	Drillers TD @ 8609' - E09 696 MF10A Drillers T
8,700.0	0.46	240.28	7,882.8	-191.3	2,527.5	2,534.7	0.00	0.00	
8,800.0	0.46	240.28	7,982.8	-191.7	2,526.8	2,534.0	0.00	0.00	
8,900.0	0.46	240.28	8,082.8	-192.1	2,526.1	2,533.4	0.00	0.00	
9,000.0	0.46	240.28	8,182.8	-192.5	2,525.4	2,532.7	0.00	0.00	
9,100.0	0.46	240.28	8,282.8	-192.9	2,524.7	2,532.0	0.00	0.00	
9,200.0	0.46	240.28	8,382.8	-193.3	2,524.0	2,531.4	0.00	0.00	
9,300.0	0.46	240.28	8,482.8	-193.7	2,523.3	2,530.7	0.00	0.00	
9,400.0	0.46	240.28	8,582.8	-194.1	2,522.6	2,530.0	0.00	0.00	
9,500.0	0.46	240.28	8,682.8	-194.5	2,521.9	2,529.4	0.00	0.00	
9,600.0	0.46	240.28	8,782.8	-194.9	2,521.2	2,528.7	0.00	0.00	
9,700.0	0.46	240.28	8,882.8	-195.3	2,520.5	2,528.1	0.00	0.00	
9,800.0	0.46	240.28	8,982.8	-195.7	2,519.8	2,527.4	0.00	0.00	
9,900.0	0.46	240.28	9,082.8	-196.1	2,519.1	2,526.7	0.00	0.00	
10,000.0	0.46	240.28	9,182.8	-196.5	2,518.4	2,526.1	0.00	0.00	
10,100.0	0.46	240.28	9,282.8	-196.9	2,517.7	2,525.4	0.00	0.00	
10,200.0	0.46	240.28	9,382.7	-197.3	2,517.0	2,524.7	0.00	0.00	
10,300.0	0.46	240.28	9,482.7	-197.7	2,516.3	2,524.1	0.00	0.00	
10,400.0	0.46	240.28	9,582.7	-198.1	2,515.6	2,523.4	0.00	0.00	
10,500.0	0.46	240.28	9,682.7	-198.5	2,514.9	2,522.7	0.00	0.00	
10,600.0	0.46	240.28	9,782.7	-198.9	2,514.2	2,522.1	0.00	0.00	
10,700.0	0.46	240.28	9,882.7	-199.3	2,513.5	2,521.4	0.00	0.00	
10,800.0	0.46	240.28	9,982.7	-199.7	2,512.8	2,520.7	0.00	0.00	
10,900.0	0.46	240.28	10,082.7	-200.1	2,512.1	2,520.1	0.00	0.00	
11,000.0	0.46	240.28	10,182.7	-200.4	2,511.4	2,519.4	0.00	0.00	
11,100.0	0.46	240.28	10,282.7	-200.8	2,510.7	2,518.7	0.00	0.00	
11,200.0	0.46	240.28	10,382.7	-201.2	2,510.0	2,518.1	0.00	0.00	
11,300.0	0.46	240.28	10,482.7	-201.6	2,509.3	2,517.4	0.00	0.00	
11,400.0	0.46	240.28	10,582.7	-202.0	2,508.7	2,516.7	0.00	0.00	
11,500.0	0.46	240.28	10,682.7	-202.4	2,508.0	2,516.1	0.00	0.00	
11,600.0	0.46	240.28	10,782.7	-202.8	2,507.3	2,515.4	0.00	0.00	
11,700.0	0.46	240.28	10,882.7	-203.2	2,506.6	2,514.7	0.00	0.00	
11,800.0	0.46	240.28	10,982.7	-203.6	2,505.9	2,514.1	0.00	0.00	
11,817.3	0.46	240.28	11,000.0	-203.7	2,505.7	2,514.0	0.00	0.00	Permit TD @ 11817'

Cathedral Energy Services

Planning Report

Database:	EDM 2003.21 US Multi Users DB	Local Co-ordinate Reference:	Well NP MF10A E09 696
Company:	EnCana Oil & Gas (USA) Inc	TVD Reference:	WELL @ 5772.0ft (Original Well Elev)
Project:	North Piceance	MD Reference:	WELL @ 5772.0ft (Original Well Elev)
Site:	E09 696 (SWNW S9-T6S-R96W)	North Reference:	True
Well:	NP MF10A E09 696	Survey Calculation Method:	Minimum Curvature
Wellbore:	DD		
Design:	Plan #2		

Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
E09 696 MF10A Drillers	0.00	0.00	7,792.0	-190.9	2,528.1	1,631,720.21	2,264,148.62	39° 32' 19.79 N	108° 6' 34.24 W
- plan hits target center									
- Rectangle (sides W30.0 H50.0 D0.0)									
E09 696 MF10A TGT	0.00	0.00	4,682.0	-178.9	2,549.2	1,631,731.62	2,264,170.00	39° 32' 19.91 N	108° 6' 33.97 W
- plan hits target center									
- Point									
E09 696 MF10A TOG	0.00	0.00	4,282.0	-190.9	2,528.1	1,631,720.21	2,264,148.62	39° 32' 19.79 N	108° 6' 34.24 W
- plan misses target center by 25.6ft at 5100.2ft MD (4285.9 TVD, -176.0 N, 2507.7 E)									
- Rectangle (sides W100.0 H200.0 D300.0)									
E09 696 MF10A TGT 2	0.00	0.00	7,792.0	-190.9	2,528.1	1,631,720.21	2,264,148.62	39° 32' 19.79 N	108° 6' 34.24 W
- plan hits target center									
- Rectangle (sides W100.0 H200.0 D0.0)									

Formations					
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction
(ft)	(ft)			(°)	(°)
5,055.1	4,242.0	Williams Fork		0.00	
5,096.1	4,282.0	Top of Gas; Inc=15.18°		0.00	
8,459.2	7,642.0	Rollins		0.00	

Plan Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
250.0	250.0	0.0	0.0	KOP @ 250'
1,585.1	1,479.0	-31.4	446.9	EOB; Inc=40°
4,164.0	3,453.0	-147.6	2,102.3	Start Drop -3.00
5,499.1	4,682.0	-178.9	2,549.2	EOD; Inc=0°
8,609.2	7,792.0	-190.9	2,528.1	Drillers TD @ 8609'
11,817.3	11,000.0	-203.7	2,505.7	Permit TD @ 11817'