

045-14649



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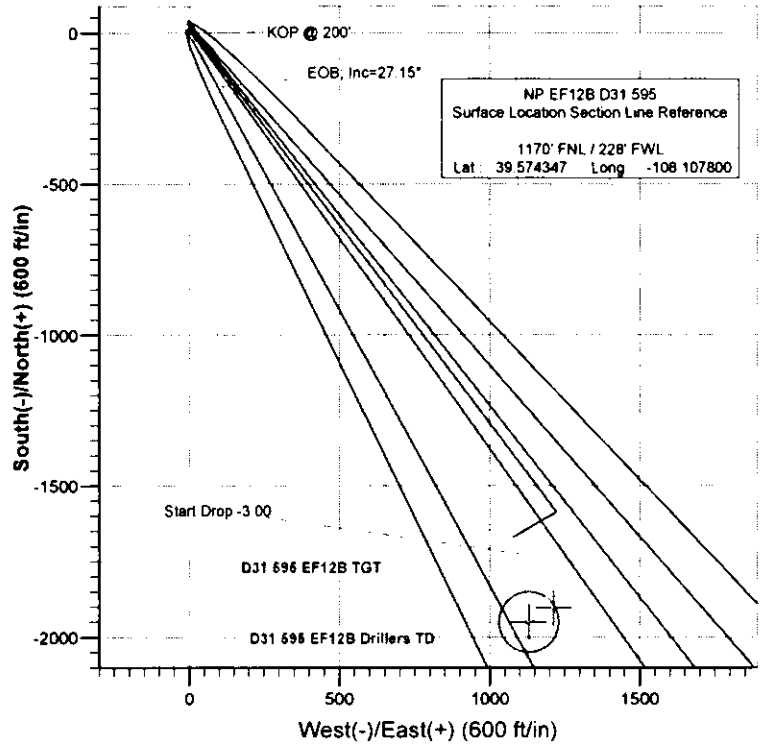
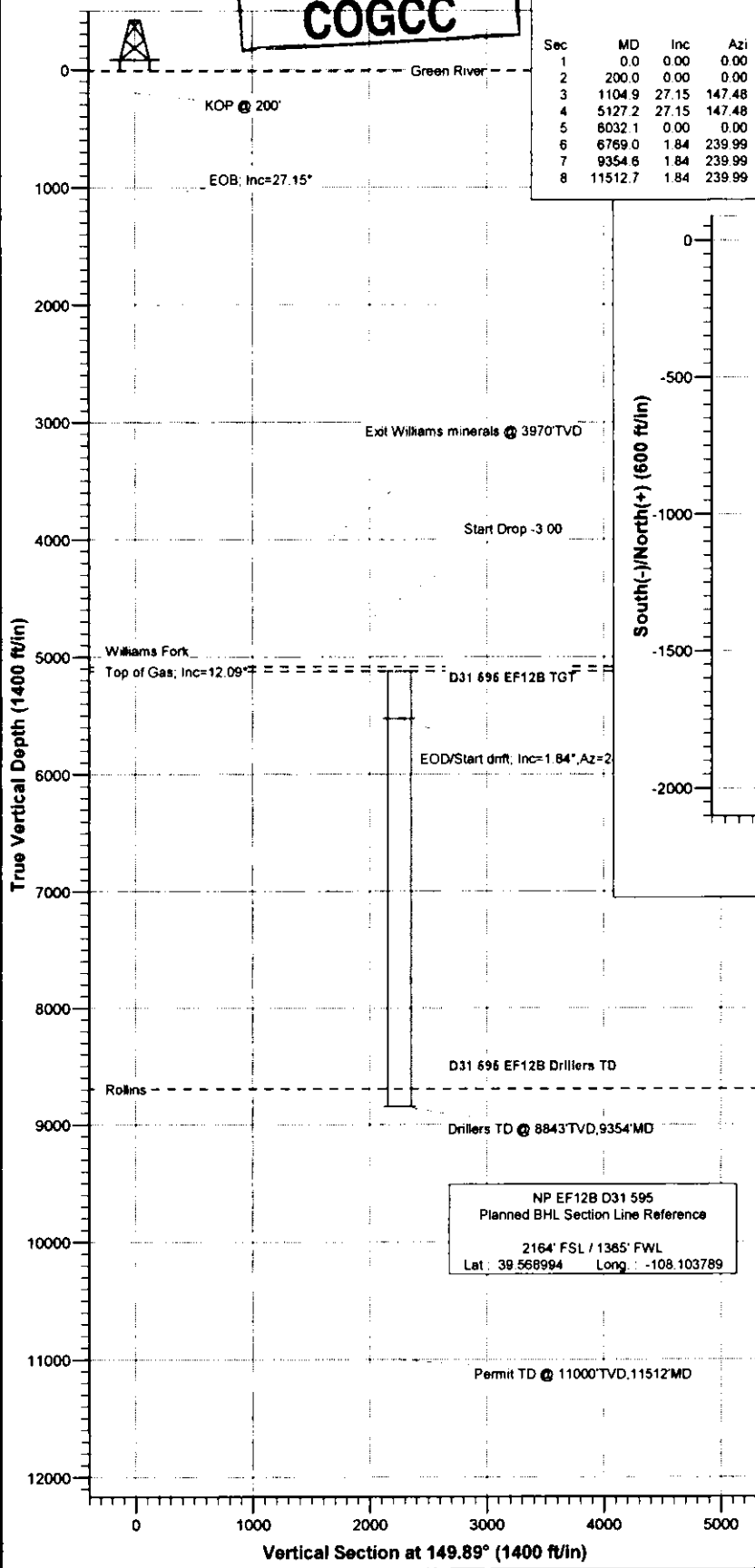
COGCC

Project: N. Piceance
 Site: D31 595 (Lot 3 S31-T5S-R95W)
 Well: NP EF12B D31 595
 Wellbore: DD
 Plan: Plan #1

Directional Plus
 A Division of Cathedral Energy Services Ltd.



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	1104.9	27.15	147.48	1071.4	-177.4	113.1	3.00	147.48	210.2	
4	5127.2	27.15	147.48	4650.6	-1724.9	1099.8	0.00	0.00	2043.9	
5	8032.1	0.00	0.00	5522.0	-1902.3	1213.0	3.00	180.00	2254.1	D31 595 EF12B TGT
6	6769.0	1.84	239.99	6258.8	-1908.2	1202.7	0.25	239.99	2254.1	
7	9354.6	1.84	239.99	8843.0	-1949.8	1130.7	0.00	0.00	2253.9	D31 595 EF12B Drillers TD
8	11512.7	1.84	239.99	11000.0	-1984.5	1070.7	0.00	0.00	2253.8	

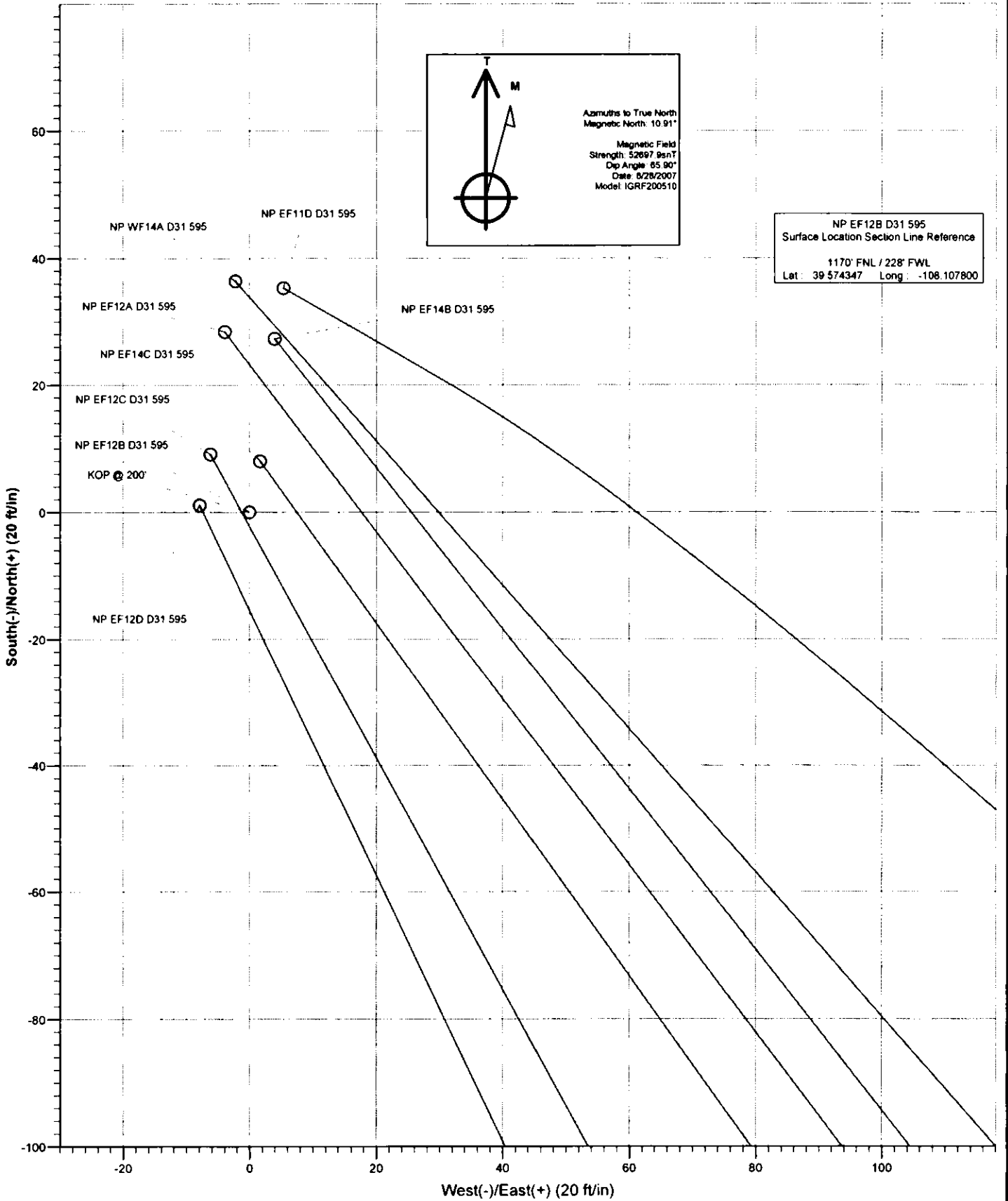


FORMATION TOP DETAILS		
TVDPATH	MDPATH	FORMATION
16.0	16.0	Green River
5082.0	5588.1	Williams Fork
5122.0	5629.1	Top of Gas, Inc=12.09°
8693.0	9204.5	Rollins



Azimuths to True North
 Magnetic North: 10.91°
 Magnetic Field Strength: 52697.9nT
 Dip Angle: 65.90°
 Date: 6/28/2007
 Model: IGRF200510

DESIGN DETAILS: Plan #1				
Job# 7500, LR				
WELL @ 5943.0ft (Original Well Elev)				
Target	Azimuth	Origin Type	N/S	E/W From TVD
D31 595 EF12B Drillers TD	149.89	Slot	0.0	0.0 0.0



Cathedral Energy Services

Planning Report

Database: EDM 2003.16 US Multi Users DB	Local Co-ordinate Reference: Well NP EF12B D31 595	Well NP EF12B D31 595
Company: EnCana Oil & Gas (USA) Inc	TVD Reference: WELL @ 5943.0ft (Original Well Elev)	WELL @ 5943.0ft (Original Well Elev)
Project: N. Piceance	MD Reference: WELL @ 5943.0ft (Original Well Elev)	WELL @ 5943.0ft (Original Well Elev)
Site: D31 595 (Lot 3 S31-T5S-R95W)	North Reference: True	True
Well: NP EF12B D31 595	Survey Calculation Method: Minimum Curvature	Minimum Curvature
Wellbore: DD		
Design: Plan #1		

Project: N. Piceance, Garfield County, CO		
Map System: US State Plane 1983	System Datum: Mean Sea Level	
Geo Datum: North American Datum 1983		
Map Zone: Colorado Central Zone		

Site: D31 595 (Lot 3 S31-T5S-R95W)					
Site Position:	Northing:	1,644,642.30 ft	Latitude:	39.574369	
From: Lat/Long	Easting:	2,264,999.67 ft	Longitude:	-108.107794	
Position Uncertainty:	Slot Radius:		Grid Convergence:	-1.64 °	

Well: NP EF12B D31 595					
Well Position	+N/-S	0.0 ft	Northing:	1,644,634.34 ft	Latitude:
	+E/-W	0.0 ft	Easting:	2,264,997.75 ft	Longitude:
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:
					5,927.0 ft

Wellbore: DD					
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	6/28/2007	10.91	65.90	52,698

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	149.89	

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (1/100ft)	Build Rate (1/100ft)	Turn Rate (1/100ft)	TPO (ft)	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	
1,104.9	27.15	147.48	1,071.4	-177.4	113.1	3.00	3.00	0.00	147.48	
5,127.2	27.15	147.48	4,650.6	-1,724.9	1,099.8	0.00	0.00	0.00	0.00	
6,032.1	0.00	0.00	5,522.0	-1,902.3	1,213.0	3.00	-3.00	0.00	180.00	D31 595 EF12B TGT
6,769.0	1.84	239.99	6,258.8	-1,908.2	1,202.7	0.25	0.25	-16.29	239.99	
9,354.6	1.84	239.99	8,843.0	-1,949.8	1,130.7	0.00	0.00	0.00	0.00	D31 595 EF12B Drille
11,512.7	1.84	239.99	11,000.0	-1,984.5	1,070.7	0.00	0.00	0.00	0.00	

Cathedral Energy Services

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Company: EnCana Oil & Gas (USA) Inc
Project: N. Piceance
Site: D31 595 (Lot 3 S31-T5S-R95W)
Well: NP EF12B D31 595
Wellbore: DD
Design: Plan #1

Total Co-ordinate Reference: Well NP EF12B D31 595
TVD Reference: WELL @ 5943.0ft (Original Well Elev)
MD Reference: WELL @ 5943.0ft (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 (1/100ft)	Dogleg Rate (1/100ft)	Build Rate (1/100ft)	Comments / Formations
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
16.0	0.00	0.00	16.0	0.0	0.0	0.0	0.00	0.00	0.00	Green River
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	KOP @ 200'
300.0	3.00	147.48	300.0	-2.2	1.4	2.6	3.00	3.00	3.00	
400.0	6.00	147.48	399.6	-8.8	5.6	10.5	3.00	3.00	3.00	
500.0	9.00	147.48	498.8	-19.8	12.6	23.5	3.00	3.00	3.00	
600.0	12.00	147.48	597.1	-35.2	22.4	41.7	3.00	3.00	3.00	
700.0	15.00	147.48	694.3	-54.9	35.0	65.0	3.00	3.00	3.00	
800.0	18.00	147.48	790.2	-78.8	50.3	93.4	3.00	3.00	3.00	
900.0	21.00	147.48	884.4	-107.0	68.2	126.7	3.00	3.00	3.00	
1,000.0	24.00	147.48	976.8	-139.2	88.8	165.0	3.00	3.00	3.00	
1,100.0	27.00	147.48	1,067.1	-175.5	111.9	208.0	3.00	3.00	3.00	
1,104.9	27.15	147.48	1,071.4	-177.4	113.1	210.2	3.00	3.00	3.00	EOB; Inc=27.15°
1,200.0	27.15	147.48	1,156.0	-214.0	136.4	253.6	0.00	0.00	0.00	
1,300.0	27.15	147.48	1,245.0	-252.5	161.0	299.1	0.00	0.00	0.00	
1,400.0	27.15	147.48	1,334.0	-290.9	185.5	344.7	0.00	0.00	0.00	
1,500.0	27.15	147.48	1,423.0	-329.4	210.0	390.3	0.00	0.00	0.00	
1,600.0	27.15	147.48	1,512.0	-367.9	234.6	435.9	0.00	0.00	0.00	
1,700.0	27.15	147.48	1,601.0	-406.4	259.1	481.5	0.00	0.00	0.00	
1,800.0	27.15	147.48	1,689.9	-444.8	283.6	527.1	0.00	0.00	0.00	
1,900.0	27.15	147.48	1,778.9	-483.3	308.2	572.7	0.00	0.00	0.00	
2,000.0	27.15	147.48	1,867.9	-521.8	332.7	618.3	0.00	0.00	0.00	
2,100.0	27.15	147.48	1,956.9	-560.2	357.2	663.9	0.00	0.00	0.00	
2,200.0	27.15	147.48	2,045.9	-598.7	381.8	709.4	0.00	0.00	0.00	
2,300.0	27.15	147.48	2,134.9	-637.2	406.3	755.0	0.00	0.00	0.00	
2,400.0	27.15	147.48	2,223.8	-675.7	430.8	800.6	0.00	0.00	0.00	
2,500.0	27.15	147.48	2,312.8	-714.1	455.4	846.2	0.00	0.00	0.00	
2,600.0	27.15	147.48	2,401.8	-752.6	479.9	891.8	0.00	0.00	0.00	
2,700.0	27.15	147.48	2,490.8	-791.1	504.4	937.4	0.00	0.00	0.00	
2,800.0	27.15	147.48	2,579.8	-829.6	529.0	983.0	0.00	0.00	0.00	
2,900.0	27.15	147.48	2,668.8	-868.0	553.5	1,028.6	0.00	0.00	0.00	
3,000.0	27.15	147.48	2,757.7	-906.5	578.0	1,074.2	0.00	0.00	0.00	
3,100.0	27.15	147.48	2,846.7	-945.0	602.5	1,119.7	0.00	0.00	0.00	
3,200.0	27.15	147.48	2,935.7	-983.5	627.1	1,165.3	0.00	0.00	0.00	
3,300.0	27.15	147.48	3,024.7	-1,021.9	651.6	1,210.9	0.00	0.00	0.00	
3,400.0	27.15	147.48	3,113.7	-1,060.4	676.1	1,256.5	0.00	0.00	0.00	
3,500.0	27.15	147.48	3,202.7	-1,098.9	700.7	1,302.1	0.00	0.00	0.00	
3,600.0	27.15	147.48	3,291.6	-1,137.3	725.2	1,347.7	0.00	0.00	0.00	
3,700.0	27.15	147.48	3,380.6	-1,175.8	749.7	1,393.3	0.00	0.00	0.00	
3,800.0	27.15	147.48	3,469.6	-1,214.3	774.3	1,438.9	0.00	0.00	0.00	
3,900.0	27.15	147.48	3,558.6	-1,252.8	798.8	1,484.5	0.00	0.00	0.00	
4,000.0	27.15	147.48	3,647.6	-1,291.2	823.3	1,530.0	0.00	0.00	0.00	
4,100.0	27.15	147.48	3,736.6	-1,329.7	847.9	1,575.6	0.00	0.00	0.00	
4,200.0	27.15	147.48	3,825.5	-1,368.2	872.4	1,621.2	0.00	0.00	0.00	
4,300.0	27.15	147.48	3,914.5	-1,406.7	896.9	1,666.8	0.00	0.00	0.00	
4,400.0	27.15	147.48	4,003.5	-1,445.1	921.5	1,712.4	0.00	0.00	0.00	
4,500.0	27.15	147.48	4,092.5	-1,483.6	946.0	1,758.0	0.00	0.00	0.00	
4,600.0	27.15	147.48	4,181.5	-1,522.1	970.5	1,803.6	0.00	0.00	0.00	
4,700.0	27.15	147.48	4,270.5	-1,560.5	995.1	1,849.2	0.00	0.00	0.00	
4,800.0	27.15	147.48	4,359.4	-1,599.0	1,019.6	1,894.7	0.00	0.00	0.00	
4,900.0	27.15	147.48	4,448.4	-1,637.5	1,044.1	1,940.3	0.00	0.00	0.00	

Cathedral Energy Services

Planning Report

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Project: N. Piceance
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Well: NP EF12B D31 595
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TVD Reference: WELL @ 5943.0ft (Original Well Elev)
MD Reference: WELL @ 5943.0ft (Original Well Elev)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	ΔN (ft)	ΔE (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Comments / Formations
5,000.0	27.15	147.48	4,537.4	-1,676.0	1,068.7	1,985.9	0.00	0.00	0.00	
5,100.0	27.15	147.48	4,626.4	-1,714.4	1,093.2	2,031.5	0.00	0.00	0.00	
5,127.2	27.15	147.48	4,650.6	-1,724.9	1,099.8	2,043.9	0.00	0.00	0.00	Start Drop -3.00
5,200.0	24.96	147.48	4,716.0	-1,751.9	1,117.0	2,075.9	3.00	3.00	-3.00	
5,300.0	21.96	147.48	4,807.7	-1,785.4	1,138.5	2,115.6	3.00	3.00	-3.00	
5,400.0	18.96	147.48	4,901.4	-1,814.9	1,157.2	2,150.6	3.00	3.00	-3.00	
5,500.0	15.96	147.48	4,996.8	-1,840.2	1,173.4	2,180.5	3.00	3.00	-3.00	
5,588.1	13.32	147.48	5,082.0	-1,859.0	1,185.3	2,202.8	3.00	3.00	-3.00	Williams Fork
5,600.0	12.96	147.48	5,093.6	-1,861.3	1,186.8	2,205.5	3.00	3.00	-3.00	
5,629.1	12.09	147.48	5,122.0	-1,866.6	1,190.2	2,211.8	3.00	3.00	-3.00	Top of Gas; Inc=12.09°
5,700.0	9.96	147.48	5,191.6	-1,878.0	1,197.5	2,225.3	3.00	3.00	-3.00	
5,800.0	6.96	147.48	5,290.5	-1,890.4	1,205.4	2,240.0	3.00	3.00	-3.00	
5,900.0	3.96	147.48	5,390.0	-1,898.5	1,210.5	2,249.6	3.00	3.00	-3.00	
6,000.0	0.96	147.48	5,489.9	-1,902.1	1,212.8	2,253.8	3.00	3.00	-3.00	
6,032.1	0.00	0.00	5,522.0	-1,902.3	1,213.0	2,254.1	3.00	3.00	-3.00	EOD/Start drift, Inc=1.84°, Az=240° - D3
6,100.0	0.17	239.99	5,589.9	-1,902.4	1,212.9	2,254.1	0.25	0.25	0.25	
6,200.0	0.42	239.99	5,689.9	-1,902.6	1,212.4	2,254.1	0.25	0.25	0.25	
6,300.0	0.67	239.99	5,789.9	-1,903.1	1,211.6	2,254.1	0.25	0.25	0.25	
6,400.0	0.92	239.99	5,889.9	-1,903.8	1,210.4	2,254.1	0.25	0.25	0.25	
6,500.0	1.17	239.99	5,989.9	-1,904.7	1,208.8	2,254.1	0.25	0.25	0.25	
6,600.0	1.42	239.99	6,089.9	-1,905.8	1,206.9	2,254.1	0.25	0.25	0.25	
6,700.0	1.67	239.99	6,189.8	-1,907.2	1,204.5	2,254.1	0.25	0.25	0.25	
6,769.0	1.84	239.99	6,258.8	-1,908.2	1,202.7	2,254.1	0.25	0.25	0.25	
6,800.0	1.84	239.99	6,289.8	-1,908.7	1,201.8	2,254.1	0.00	0.00	0.00	
6,900.0	1.84	239.99	6,389.7	-1,910.3	1,199.1	2,254.1	0.00	0.00	0.00	
7,000.0	1.84	239.99	6,489.7	-1,911.9	1,196.3	2,254.1	0.00	0.00	0.00	
7,100.0	1.84	239.99	6,589.6	-1,913.5	1,193.5	2,254.1	0.00	0.00	0.00	
7,200.0	1.84	239.99	6,689.6	-1,915.2	1,190.7	2,254.1	0.00	0.00	0.00	
7,300.0	1.84	239.99	6,789.5	-1,916.8	1,187.9	2,254.1	0.00	0.00	0.00	
7,400.0	1.84	239.99	6,889.5	-1,918.4	1,185.1	2,254.1	0.00	0.00	0.00	
7,500.0	1.84	239.99	6,989.4	-1,920.0	1,182.4	2,254.0	0.00	0.00	0.00	
7,600.0	1.84	239.99	7,089.4	-1,921.6	1,179.6	2,254.0	0.00	0.00	0.00	
7,700.0	1.84	239.99	7,189.3	-1,923.2	1,176.8	2,254.0	0.00	0.00	0.00	
7,800.0	1.84	239.99	7,289.3	-1,924.8	1,174.0	2,254.0	0.00	0.00	0.00	
7,900.0	1.84	239.99	7,389.2	-1,926.4	1,171.2	2,254.0	0.00	0.00	0.00	
8,000.0	1.84	239.99	7,489.1	-1,928.0	1,168.4	2,254.0	0.00	0.00	0.00	
8,100.0	1.84	239.99	7,589.1	-1,929.6	1,165.7	2,254.0	0.00	0.00	0.00	
8,200.0	1.84	239.99	7,689.0	-1,931.2	1,162.9	2,254.0	0.00	0.00	0.00	
8,300.0	1.84	239.99	7,789.0	-1,932.8	1,160.1	2,254.0	0.00	0.00	0.00	
8,400.0	1.84	239.99	7,888.9	-1,934.4	1,157.3	2,254.0	0.00	0.00	0.00	
8,500.0	1.84	239.99	7,988.9	-1,936.1	1,154.5	2,254.0	0.00	0.00	0.00	
8,600.0	1.84	239.99	8,088.8	-1,937.7	1,151.7	2,254.0	0.00	0.00	0.00	
8,700.0	1.84	239.99	8,188.8	-1,939.3	1,149.0	2,254.0	0.00	0.00	0.00	
8,800.0	1.84	239.99	8,288.7	-1,940.9	1,146.2	2,254.0	0.00	0.00	0.00	
8,900.0	1.84	239.99	8,388.7	-1,942.5	1,143.4	2,254.0	0.00	0.00	0.00	
9,000.0	1.84	239.99	8,488.6	-1,944.1	1,140.6	2,254.0	0.00	0.00	0.00	
9,100.0	1.84	239.99	8,588.6	-1,945.7	1,137.8	2,254.0	0.00	0.00	0.00	
9,200.0	1.84	239.99	8,688.5	-1,947.3	1,135.0	2,254.0	0.00	0.00	0.00	
9,204.5	1.84	239.99	8,693.0	-1,947.4	1,134.9	2,254.0	0.00	0.00	0.00	Rollins
9,300.0	1.84	239.99	8,788.5	-1,948.9	1,132.3	2,253.9	0.00	0.00	0.00	
9,354.6	1.84	239.99	8,843.0	-1,949.8	1,130.7	2,253.9	0.00	0.00	0.00	Drillers TD @ 8843'TVD,9354'MD - D31
9,400.0	1.84	239.99	8,888.4	-1,950.5	1,129.5	2,253.9	0.00	0.00	0.00	

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Well: NP EF12B D31 595
Wellbore: DD
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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 (1/100ft)	Dogleg Rate (1/100ft)	Build Rate (1/100ft)	Comments / Formations
9,500.0	1.84	239.99	8,988.4	-1,952.1	1,126.7	2,253.9	0.00	0.00	0.00	
9,600.0	1.84	239.99	9,088.3	-1,953.7	1,123.9	2,253.9	0.00	0.00	0.00	
9,700.0	1.84	239.99	9,188.3	-1,955.3	1,121.1	2,253.9	0.00	0.00	0.00	
9,800.0	1.84	239.99	9,288.2	-1,957.0	1,118.3	2,253.9	0.00	0.00	0.00	
9,900.0	1.84	239.99	9,388.2	-1,958.6	1,115.5	2,253.9	0.00	0.00	0.00	
10,000.0	1.84	239.99	9,488.1	-1,960.2	1,112.8	2,253.9	0.00	0.00	0.00	
10,100.0	1.84	239.99	9,588.1	-1,961.8	1,110.0	2,253.9	0.00	0.00	0.00	
10,200.0	1.84	239.99	9,688.0	-1,963.4	1,107.2	2,253.9	0.00	0.00	0.00	
10,300.0	1.84	239.99	9,788.0	-1,965.0	1,104.4	2,253.9	0.00	0.00	0.00	
10,400.0	1.84	239.99	9,887.9	-1,966.6	1,101.6	2,253.9	0.00	0.00	0.00	
10,500.0	1.84	239.99	9,987.9	-1,968.2	1,098.8	2,253.9	0.00	0.00	0.00	
10,600.0	1.84	239.99	10,087.8	-1,969.8	1,096.1	2,253.9	0.00	0.00	0.00	
10,700.0	1.84	239.99	10,187.8	-1,971.4	1,093.3	2,253.9	0.00	0.00	0.00	
10,800.0	1.84	239.99	10,287.7	-1,973.0	1,090.5	2,253.9	0.00	0.00	0.00	
10,900.0	1.84	239.99	10,387.7	-1,974.6	1,087.7	2,253.9	0.00	0.00	0.00	
11,000.0	1.84	239.99	10,487.6	-1,976.3	1,084.9	2,253.8	0.00	0.00	0.00	
11,100.0	1.84	239.99	10,587.5	-1,977.9	1,082.1	2,253.8	0.00	0.00	0.00	
11,200.0	1.84	239.99	10,687.5	-1,979.5	1,079.4	2,253.8	0.00	0.00	0.00	
11,300.0	1.84	239.99	10,787.4	-1,981.1	1,076.6	2,253.8	0.00	0.00	0.00	
11,400.0	1.84	239.99	10,887.4	-1,982.7	1,073.8	2,253.8	0.00	0.00	0.00	
11,500.0	1.84	239.99	10,987.3	-1,984.3	1,071.0	2,253.8	0.00	0.00	0.00	
11,512.7	1.84	239.99	11,000.0	-1,984.5	1,070.7	2,253.8	0.00	0.00	0.00	

Targets

Target Name	Dip Angle (°)	Dip Dir (°)	TVD (ft)	+N-S (ft)	+E-W (ft)	Heading (ft)	Easting (ft)	Latitude	Longitude
D31 595 EF12B TGT - plan hits target - Point	0.00	0.00	5,522.0	-1,902.3	1,213.0	1,642,698.01	2,266,155.62	39.569124	-108.103497
D31 595 EF12B Drillers - plan hits target - Circle (radius 100.0)	0.00	0.00	8,843.0	-1,949.8	1,130.7	1,642,652.90	2,266,072.05	39.568994	-108.103789

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
16.0	16.0	Green River		0.00	
5,588.1	5,082.0	Williams Fork		0.00	
5,629.1	5,122.0	Top of Gas; Inc=12.09°		0.00	
9,204.5	8,693.0	Rollins		0.00	

Cathedral Energy Services
 Planning Report

Database: EDM 2003.16 US Multi Users DB
Company: EnCana Oil & Gas (USA) Inc
Project: N. Piceance
Site: D31 595 (Lot 3 S31-T5S-R95W)
Well: NP EF12B D31 595
Wellbore: DD
Design: Plan #1

Local Coordinates Reference:
TVD Reference:
MD Reference:
North Reference:
Survey:

Well NP EF12B D31 595
 WELL @ 5943.0ft (Original Well Elev)
 WELL @ 5943.0ft (Original Well Elev)
 True
 Minimum Curvature

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		North (ft)	East (ft)	
200.0	200.0	0.0	0.0	KOP @ 200'
1,104.9	1,071.4	-177.4	113.1	EOB; Inc=27.15°
5,127.2	4,650.6	-1,724.9	1,099.8	Start Drop -3.00
6,032.1	5,522.0	-1,902.3	1,213.0	EOD/Start drift; Inc=1.84°, Az=240°
9,354.6	8,843.0	-1,949.8	1,130.7	Drillers TD @ 8843'TVD,9354'MD
11,512.7	11,000.0	-1,984.5	1,070.7	Permit TD @ 11000'TVD,11512'MD