

## PROJECT DETAILS: Garfield County, CO

Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

## WELL DETAILS: CC Federal 0697-03-05W

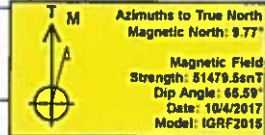
8609.0  
+N/-S 0.0 +E/-W 0.0 Northing 1639433.16 Easting 2233547.39 Latitude 39.557543 Longitude -108.218769

Project: Garfield County, CO  
Site: CC 604-41-32 Pad  
Well: CC Federal 0697-03-05W  
Wellbore: Wellbore #1  
Design: Design #1  
Longitude: -108.218769  
Ground Level: 8609.0  
well @ 8633.0ust (24' RKB)



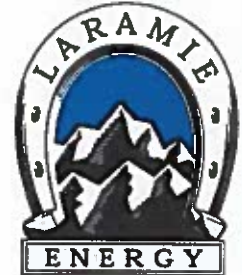
## REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well CC Federal 0697-03-05W, True North  
Vertical (TVD) Reference: well @ 8633.0ust (24' RKB)  
Section (VS) Reference: Slot - (0.5N, 0.0E)  
Measured Depth Reference: well @ 8633.0ust (24' RKB)  
Calculation Method: Minimum Curvature



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
4959.0	5284.5	Wasatch 'G' Sand
6859.0	7114.2	Ohio Creek
6808.0	7275.7	Williams Fork
7608.0	8160.0	TOG
9258.0	9750.0	Cameo
9488.0	9900.0	Base Cameo Coal
9508.0	10000.0	Rollins

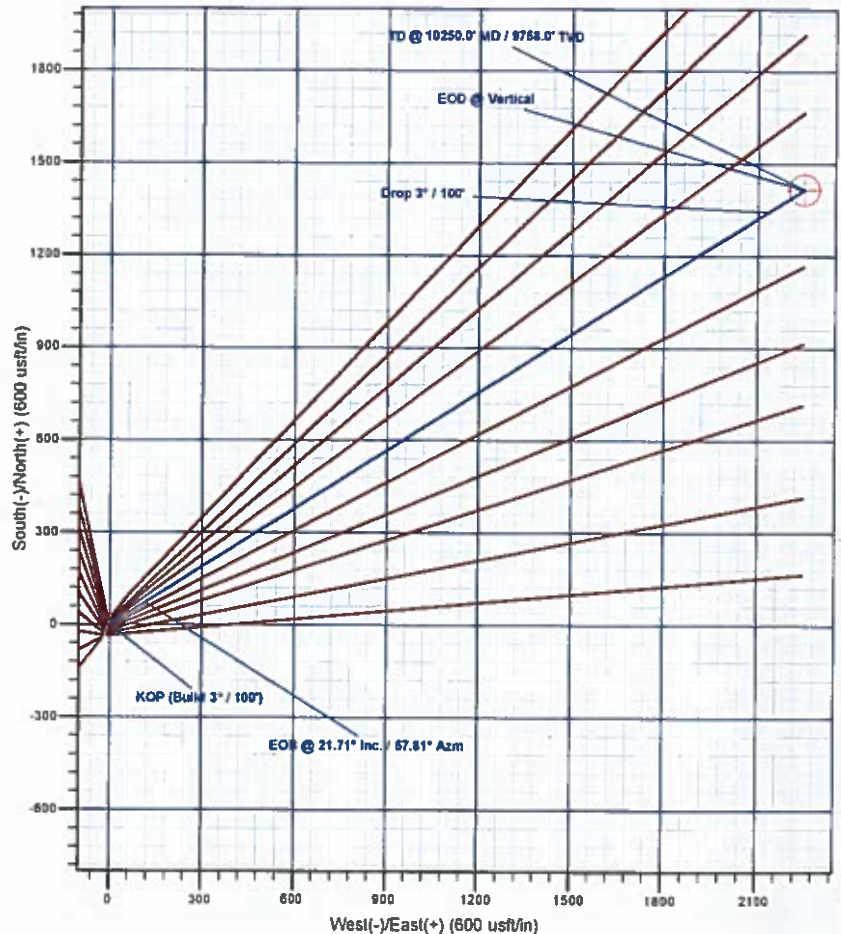
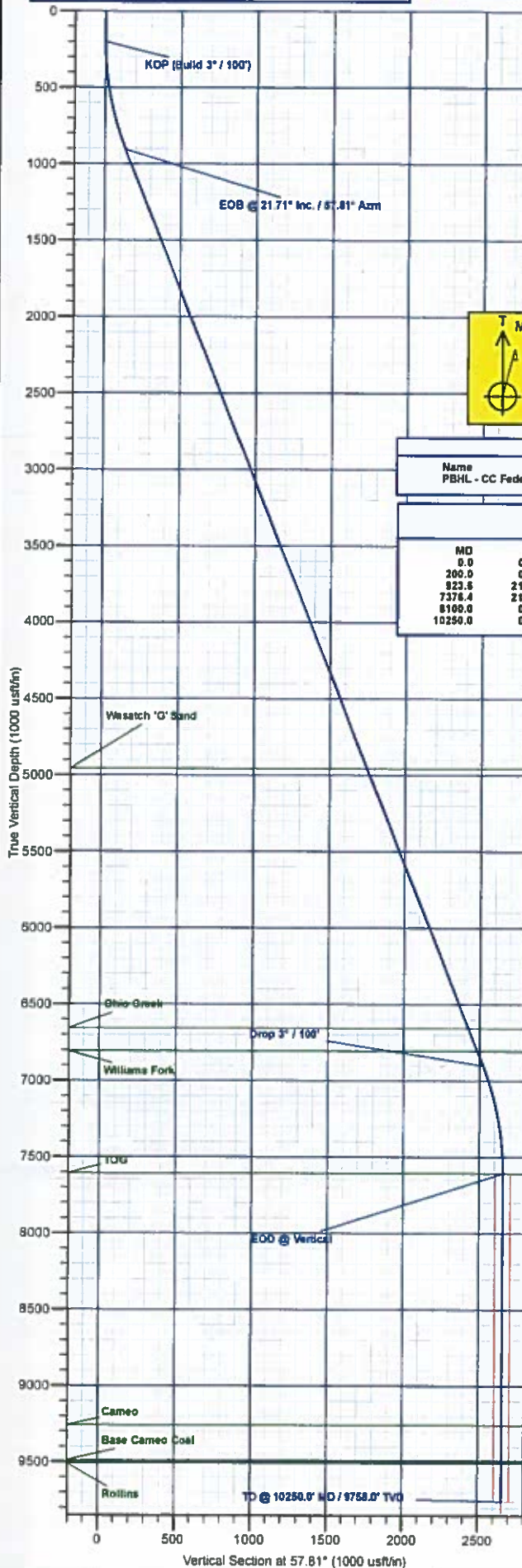


## DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - CC Federal 0697-03-05W	9758.0	1415.9	2249.0	1640761.17	2236837.75	39.561430	-108.210792

## SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	KOP (Build 3' / 100')
923.6	21.71	57.81	906.4	72.2	114.6	3.00	57.81	135.4	EOB @ 21.71° Inc. / 57.81° Azm
7376.4	21.71	57.81	8901.6	1343.6	2134.4	0.00	0.00	2522.2	Drop 3' / 100'
8100.0	0.00	0.00	7800.0	1415.9	2249.0	0.00	180.00	2657.6	EOB @ Vertical
10250.0	0.00	0.00	9758.0	1415.9	2249.0	0.00	0.00	2657.6	TD @ 10250.0' MD / 9758.0' TVD



Plan: Design #1 (CC Federal 0697-03-05W/Wellbore #1)

Created By: Will Jircik

Date: 14:31, October 04 2017



# **Laramie Energy, LLC**

**Garfield County, CO**

**CC 604-41-32 Pad**

**CC Federal 0697-03-05W**

**Wellbore #1**

**Plan: Design #1**

## **QES Well Planning Report**

**04 October, 2017**





## Well Planning Report



<b>Database:</b>	EDM 5000 1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well CC Federal 0697-03-05W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Site:</b>	CC 604-41-32 Pad	<b>North Reference:</b>	True
<b>Well:</b>	CC Federal 0697-03-05W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Garfield County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	CC 604-41-32 Pad			
<b>Site Position:</b>		<b>Northing:</b>	1,639,464.67 usft	<b>Latitude:</b> 39.557630
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,233,548.14 usft	<b>Longitude:</b> -108.218770
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b> -1.71 "

<b>Well</b>	CC Federal 0697-03-05W			
<b>Well Position</b>	+N/-S	-31.5 usft	<b>Northing:</b>	1,639,433.16 usft
	+E/-W	0.2 usft	<b>Easting:</b>	2,233,547.39 usft
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	<b>Ground Level:</b> 8,609.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2015	10/4/2017	9.77	65.59	51,479.51543356

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	57.81

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	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	
923.6	21.71	57.81	906.4	72.2	114.6	3.00	3.00	0.00	57.81	
7,376.4	21.71	57.81	6,901.6	1,343.8	2,134.4	0.00	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,608.0	1,415.9	2,249.0	3.00	-3.00	0.00	180.00	
10,250.0	0.00	0.00	9,758.0	1,415.9	2,249.0	0.00	0.00	0.00	0.00	PBHL - CC Federal 01





# Well Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well CC Federal 0697-03-05W
Company:	Laramie Energy, LLC	TVD Reference:	well @ 8633.0usft (24' RKB)
Project:	Garfield County, CO	MD Reference:	well @ 8633.0usft (24' RKB)
Site:	CC 604-41-32 Pad	North Reference:	True
Well:	CC Federal 0697-03-05W	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
KOP (Build 3° / 100')									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	3.00	57.81	300.0	1.4	2.2	2.6	3.00	3.00	0.00
400.0	6.00	57.81	399.6	5.6	8.9	10.5	3.00	3.00	0.00
500.0	9.00	57.81	498.8	12.5	19.9	23.5	3.00	3.00	0.00
600.0	12.00	57.81	597.1	22.2	35.3	41.7	3.00	3.00	0.00
700.0	15.00	57.81	694.3	34.7	55.1	65.1	3.00	3.00	0.00
800.0	18.00	57.81	790.2	49.8	79.1	93.5	3.00	3.00	0.00
900.0	21.00	57.81	884.4	67.6	107.3	126.9	3.00	3.00	0.00
EOB @ 21.71° Inc. / 57.81° Azm									
923.6	21.71	57.81	906.4	72.2	114.6	135.4	3.00	3.00	0.00
1,000.0	21.71	57.81	977.4	87.2	138.5	163.7	0.00	0.00	0.00
1,100.0	21.71	57.81	1,070.3	106.9	169.8	200.7	0.00	0.00	0.00
1,200.0	21.71	57.81	1,163.2	126.6	201.1	237.7	0.00	0.00	0.00
1,300.0	21.71	57.81	1,256.1	146.3	232.4	274.7	0.00	0.00	0.00
1,400.0	21.71	57.81	1,349.0	166.0	263.7	311.7	0.00	0.00	0.00
1,500.0	21.71	57.81	1,441.9	185.8	295.0	348.6	0.00	0.00	0.00
1,600.0	21.71	57.81	1,534.8	205.5	326.3	385.6	0.00	0.00	0.00
1,700.0	21.71	57.81	1,627.8	225.2	357.6	422.6	0.00	0.00	0.00
1,800.0	21.71	57.81	1,720.7	244.9	388.9	459.6	0.00	0.00	0.00
1,900.0	21.71	57.81	1,813.6	264.6	420.2	496.6	0.00	0.00	0.00
2,000.0	21.71	57.81	1,906.5	284.3	451.5	533.6	0.00	0.00	0.00
2,100.0	21.71	57.81	1,999.4	304.0	482.8	570.6	0.00	0.00	0.00
2,200.0	21.71	57.81	2,092.3	323.7	514.1	607.6	0.00	0.00	0.00
2,300.0	21.71	57.81	2,185.2	343.4	545.4	644.5	0.00	0.00	0.00
2,400.0	21.71	57.81	2,278.1	363.1	576.7	681.5	0.00	0.00	0.00
2,500.0	21.71	57.81	2,371.0	382.8	608.0	718.5	0.00	0.00	0.00
9 5/8"									
2,524.0	21.71	57.81	2,393.3	387.5	615.6	727.4	0.00	0.00	0.00
2,600.0	21.71	57.81	2,463.9	402.5	639.3	755.5	0.00	0.00	0.00
2,700.0	21.71	57.81	2,556.8	422.2	670.6	792.5	0.00	0.00	0.00
2,800.0	21.71	57.81	2,649.7	441.9	701.9	829.5	0.00	0.00	0.00
2,900.0	21.71	57.81	2,742.6	461.6	733.3	866.5	0.00	0.00	0.00
3,000.0	21.71	57.81	2,835.6	481.3	764.6	903.5	0.00	0.00	0.00
3,100.0	21.71	57.81	2,928.5	501.1	795.9	940.4	0.00	0.00	0.00
3,200.0	21.71	57.81	3,021.4	520.8	827.2	977.4	0.00	0.00	0.00
3,300.0	21.71	57.81	3,114.3	540.5	858.5	1,014.4	0.00	0.00	0.00
3,400.0	21.71	57.81	3,207.2	560.2	889.8	1,051.4	0.00	0.00	0.00
3,500.0	21.71	57.81	3,300.1	579.9	921.1	1,088.4	0.00	0.00	0.00
3,600.0	21.71	57.81	3,393.0	599.6	952.4	1,125.4	0.00	0.00	0.00
3,700.0	21.71	57.81	3,485.9	619.3	983.7	1,162.4	0.00	0.00	0.00
3,800.0	21.71	57.81	3,578.8	639.0	1,015.0	1,199.4	0.00	0.00	0.00
3,900.0	21.71	57.81	3,671.7	658.7	1,046.3	1,236.3	0.00	0.00	0.00
4,000.0	21.71	57.81	3,764.6	678.4	1,077.6	1,273.3	0.00	0.00	0.00
4,100.0	21.71	57.81	3,857.5	698.1	1,108.9	1,310.3	0.00	0.00	0.00
4,200.0	21.71	57.81	3,950.5	717.8	1,140.2	1,347.3	0.00	0.00	0.00
4,300.0	21.71	57.81	4,043.4	737.5	1,171.5	1,384.3	0.00	0.00	0.00
4,400.0	21.71	57.81	4,136.3	757.2	1,202.8	1,421.3	0.00	0.00	0.00
4,500.0	21.71	57.81	4,229.2	776.9	1,234.1	1,458.3	0.00	0.00	0.00
4,600.0	21.71	57.81	4,322.1	796.6	1,265.4	1,495.3	0.00	0.00	0.00
4,700.0	21.71	57.81	4,415.0	816.4	1,296.7	1,532.2	0.00	0.00	0.00



## Well Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well CC Federal 0697-03-05W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Site:</b>	CC 604-41-32 Pad	<b>North Reference:</b>	True
<b>Well:</b>	CC Federal 0697-03-05W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	21.71	57.81	4,507.9	836.1	1,328.0	1,569.2	0.00	0.00	0.00
4,900.0	21.71	57.81	4,600.8	855.8	1,359.3	1,608.2	0.00	0.00	0.00
5,000.0	21.71	57.81	4,693.7	875.5	1,390.6	1,643.2	0.00	0.00	0.00
5,100.0	21.71	57.81	4,786.6	895.2	1,421.9	1,680.2	0.00	0.00	0.00
5,200.0	21.71	57.81	4,879.5	914.9	1,453.2	1,717.2	0.00	0.00	0.00
<b>Wasatch 'G' Sand</b>									
5,284.5	21.71	57.81	4,958.0	931.5	1,479.6	1,748.4	0.00	0.00	0.00
5,300.0	21.71	57.81	4,972.4	934.6	1,484.5	1,754.2	0.00	0.00	0.00
5,400.0	21.71	57.81	5,065.4	954.3	1,515.8	1,791.2	0.00	0.00	0.00
5,500.0	21.71	57.81	5,158.3	974.0	1,547.1	1,828.1	0.00	0.00	0.00
5,600.0	21.71	57.81	5,251.2	993.7	1,578.4	1,865.1	0.00	0.00	0.00
5,700.0	21.71	57.81	5,344.1	1,013.4	1,609.7	1,902.1	0.00	0.00	0.00
5,800.0	21.71	57.81	5,437.0	1,033.1	1,641.0	1,939.1	0.00	0.00	0.00
5,900.0	21.71	57.81	5,529.9	1,052.8	1,672.3	1,976.1	0.00	0.00	0.00
6,000.0	21.71	57.81	5,622.8	1,072.5	1,703.6	2,013.1	0.00	0.00	0.00
6,100.0	21.71	57.81	5,715.7	1,092.2	1,734.9	2,050.1	0.00	0.00	0.00
6,200.0	21.71	57.81	5,808.6	1,111.9	1,766.2	2,087.1	0.00	0.00	0.00
6,300.0	21.71	57.81	5,901.5	1,131.7	1,797.5	2,124.0	0.00	0.00	0.00
6,400.0	21.71	57.81	5,994.4	1,151.4	1,828.8	2,161.0	0.00	0.00	0.00
6,500.0	21.71	57.81	6,087.3	1,171.1	1,860.1	2,198.0	0.00	0.00	0.00
6,600.0	21.71	57.81	6,180.2	1,190.8	1,891.4	2,235.0	0.00	0.00	0.00
6,700.0	21.71	57.81	6,273.2	1,210.5	1,922.7	2,272.0	0.00	0.00	0.00
6,800.0	21.71	57.81	6,366.1	1,230.2	1,954.0	2,309.0	0.00	0.00	0.00
6,900.0	21.71	57.81	6,459.0	1,249.9	1,985.3	2,346.0	0.00	0.00	0.00
7,000.0	21.71	57.81	6,551.9	1,269.6	2,016.6	2,383.0	0.00	0.00	0.00
7,100.0	21.71	57.81	6,644.8	1,289.3	2,047.9	2,419.9	0.00	0.00	0.00
<b>Ohio Creek</b>									
7,114.2	21.71	57.81	6,658.0	1,292.1	2,052.3	2,425.2	0.00	0.00	0.00
7,200.0	21.71	57.81	6,737.7	1,309.0	2,079.2	2,456.9	0.00	0.00	0.00
<b>Williams Fork</b>									
7,275.7	21.71	57.81	6,808.0	1,323.9	2,102.9	2,484.9	0.00	0.00	0.00
7,300.0	21.71	57.81	6,830.6	1,328.7	2,110.5	2,493.9	0.00	0.00	0.00
<b>Drop 3° / 100'</b>									
7,376.4	21.71	57.81	6,901.6	1,343.8	2,134.4	2,522.2	0.00	0.00	0.00
7,400.0	21.00	57.81	6,923.6	1,348.3	2,141.7	2,530.8	3.00	-3.00	0.00
7,500.0	18.00	57.81	7,017.8	1,366.1	2,169.9	2,564.1	3.00	-3.00	0.00
7,600.0	15.00	57.81	7,113.7	1,381.3	2,193.9	2,592.5	3.00	-3.00	0.00
7,700.0	12.00	57.81	7,210.9	1,393.7	2,213.7	2,615.9	3.00	-3.00	0.00
7,800.0	9.00	57.81	7,309.2	1,403.4	2,229.1	2,634.1	3.00	-3.00	0.00
7,900.0	6.00	57.81	7,408.4	1,410.4	2,240.2	2,647.2	3.00	-3.00	0.00
8,000.0	3.00	57.81	7,508.0	1,414.5	2,246.8	2,655.0	3.00	-3.00	0.00
<b>EOD @ Vertical - TOG</b>									
8,100.0	0.00	0.00	7,608.0	1,415.9	2,249.0	2,657.6	3.00	-3.00	0.00
8,200.0	0.00	0.00	7,708.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,300.0	0.00	0.00	7,808.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,400.0	0.00	0.00	7,908.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,500.0	0.00	0.00	8,008.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,600.0	0.00	0.00	8,108.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,700.0	0.00	0.00	8,208.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,308.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,408.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,508.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,100.0	0.00	0.00	8,608.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,200.0	0.00	0.00	8,708.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00



## Well Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well CC Federal 0697-03-05W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Site:</b>	CC 604-41-32 Pad	<b>North Reference:</b>	True
<b>Well:</b>	CC Federal 0697-03-05W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,300.0	0.00	0.00	8,808.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,400.0	0.00	0.00	8,908.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,008.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,108.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,208.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
<b>Cameo</b>									
9,750.0	0.00	0.00	9,258.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,308.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,408.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
<b>Base Cameo Coal</b>									
9,980.0	0.00	0.00	9,488.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
<b>Rollins</b>									
10,000.0	0.00	0.00	9,508.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
10,100.0	0.00	0.00	9,608.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
10,200.0	0.00	0.00	9,708.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00
<b>TD @ 10260.0' MD / 9768.0' TVD</b>									
10,250.0	0.00	0.00	9,758.0	1,415.9	2,249.0	2,657.6	0.00	0.00	0.00

## Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL - CC Federal 069; - plan hits target center - Circle (radius 50.0)	0.00	0.00	9,758.0	1,415.9	2,249.0	1,640,781.16	2,235,837.78	39.561430	-108.210792

## Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
2,524.0	2,393.3	9 5/8"	9-5/8	14-3/4

## Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,284.5	4,958.0	Wasatch 'G' Sand			
7,114.2	6,858.0	Ohio Creek			
7,275.7	6,808.0	Williams Fork			
8,100.0	7,608.0	TOG			
9,750.0	9,258.0	Cameo			
9,980.0	9,488.0	Base Cameo Coal			
10,000.0	9,508.0	Rollins			



# Well Planning Report



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well CC Federal 0697-03-05W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	well @ 8633.0usft (24' RKB)
<b>Site:</b>	CC 604-41-32 Pad	<b>North Reference:</b>	True
<b>Well:</b>	CC Federal 0697-03-05W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

## Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.0	200.0	0.0	0.0	KOP (Build 3" / 100')
923.6	906.4	72.2	114.6	EOB @ 21.71° Inc. / 57.81° Azm
7,376.4	6,901.6	1,343.8	2,134.4	Drop 3" / 100'
8,100.0	7,608.0	1,415.9	2,249.0	EOD @ Vertical
10,250.0	9,758.0	1,415.9	2,249.0	TD @ 10250.0' MD / 9758.0' TVD