

CC Federal 0697-03-03W
Garfield County, CO
Q191201 & RM-191048
Design #3

Company Name: Laramie Energy, LLC
CC Federal 0697-03-03W
Garfield County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 6:41, July 17 2019

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

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
606.0	609.1	Mahogany
4987.0	5382.4	Wasatch 'G' Sand
6687.0	7240.1	Ohio Creek
6837.0	7404.1	Williams Fork
7637.0	8229.4	TOG
9287.0	9879.4	Cameo
9517.0	10109.4	Base Cameo Coal
9537.0	10129.4	Rollins

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
PBHL - CC Federal 0697-03-03W	9787.0	1880.7	2237.7	1641281.05	2235852.98	39.562803

WELL DETAILS: CC Federal 0697-03-03W						
				8609.0		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	1639468.12	2233560.01	39.557640	-108.218728	

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.0	KOP/ (Build 3.00"/100')	
992.8	23.78	49.95	970.2	104.4	124.2	162.2	162.2	EOB @ 23.78" Inc / 49.95" Azm	
7436.6	23.78	49.95	6866.8	1776.4	2113.5	2760.9	2760.9	Drop @ 3.00"/100'	
8229.4	0.00	0.00	7637.0	1880.7	2237.7	2923.1	2923.1	EOD @ Vertical	
10379.4	0.00	0.00	9787.0	1880.7	2237.7	2923.1	2923.1	TD @ 10379.4' MD / 9787.0' TVD	



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M

Azimuths to True North

Magnetic North: 9.57°

Strength: 51420.7snT

Dip Angle: 65.80°

Date: 7/11/2019

Model: HDGM

