

CC Federal 0697-03-08E
Garfield County, CO
Q180791 & RM-180664
Design #3

Company Name: Laramie Energy, LLC
CC Federal 0697-03-08E
Garfield County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 7/6/2018

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

T

M

Azimuths to True North

Magnetic North: 9.62°

Strength: 51401.6snT

Dip Angle: 65.58°

Date: 6/15/2018

Model: USER DEFINED



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - CC Federal 0697-03-08E	9807.0	415.4	1123.0	1640025.43	2238539.18	39.559577	-108.201135
						Shape	Circle (Radius: 50.0)

DESIGN #3 ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure
625.0	0.00	0.00	625.0	0.0	0.0	0.0	0.0
969.1	10.32	69.70	967.3	10.7	29.0	30.9	30.9
7305.2	10.32	69.70	7200.7	404.7	1094.0	1166.4	1166.4
7649.3	0.00	0.00	7543.0	415.4	1123.0	1197.3	1197.3
9836.3	0.00	0.00	9730.0	415.4	1123.0	1197.3	1197.3
						Annotation	
						KOP (Build 3° / 100')	
						EOB @ 10.32° Inc. / 69.70° Azm	
						Drop 3' / 100'	
						EOD @ Vertical	
						TD @ 9836.3' MD / 9730.0' TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1127.0	1131.5	Mahogany
3095.0	3131.9	Wasatch
4885.0	4951.3	Wasatch 'G' Sand
5095.0	5164.6	Fort Union
6829.0	6724.0	Ohio Creek
6817.0	6915.1	Williams Fork
7543.0	7649.3	TOG
9067.0	9173.3	Cameo
9434.0	9540.3	Base Cameo Coal
9480.0	9586.3	Rollins

WELL DETAILS: CC Federal 0697-03-08E					
				8428.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1639643.60	2237404.35	39.558436	-108.205118

ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure
230.0	0.50	27.40	230.0	0.9	0.5	0.7	1.0
9807.0	6.60	234.00	9697.5	416.6	1107.0	1182.8	1287.9
						Annotation	
						First MWD Survey @ 230.0' MD / 230.0' TVD	
						Projection to TD @ 9807.0' MD / 9697.5' TVD	

