

CC Federal 0697-04-03E
Garfield County, CO
Q191042 & RM-190909
Design #3

Company Name: Laramie Energy, LLC
CC Federal 0697-04-03E
Garfield County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 4:44, June 18 2019

WELL DETAILS: CC Federal 0697-04-03E					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1639452.94	2233543.76	39.557597	-108.218784

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	

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - CC Federal 0697-04-03E	9594.0	1246.5	-378.1	1640710.17	2233203.14	39.561019	-108.220125

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.0	KOP/ (Build 3.00°/100°)	
768.1	11.04	343.13	765.8	33.8	-10.3	35.4	35.4	EOB @ 11.04° Inc / 343.13° Azm	
7199.5	11.04	343.13	7078.2	1212.6	-367.8	1267.2	1267.2	Drop @ 3.00°/100'	
7567.6	0.00	0.00	7444.0	1246.5	-378.1	1302.6	1302.6	EOD @ Vertical	
9717.6	0.00	0.00	9594.0	1246.5	-378.1	1302.6	1302.6	TD @ 9717.6' MD / 9594.0' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
330.0	3.50	344.40	329.8	9.7	-2.7	10.1	10.1	First MWD Survey @ 330.0' MD / 329.8' TVD	
9685.0	8.00	250.20	9552.1	1217.6	-442.0	1293.5	1479.6	Projection to TD @ 9685.0' MD / 9552.1' TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
606.0	606.4	Mahogany
4794.0	4872.3	Wasatch 'G' Sand
6494.0	6604.3	Ohio Creek
6644.0	6757.2	Williams Fork
7444.0	7567.6	TOG
9094.0	9217.6	Cameo
9324.0	9447.6	Base Cameo Coal
9344.0	9467.6	Rollins

T

M

Azimuths to True North

Magnetic North: 9.57°

Strength: 51428.8snT

Dip Angle: 65.80°

Date: 6/13/2019

Model: HDGM

