



CC 0697-04-10E
Garfield County, CO
Q190790 & RM-190698
Design #3

Company Name: Laramie Energy, LLC
CC 0697-04-10E
Garfield County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 8:37, May 10 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

WELL DETAILS: CC 0697-04-10E					
				8609.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1639386.97	2233519.78	39.557414	-108.218862

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
606.0	606.4	Mahogany
4729.0	4753.0	Wasatch 'G' Sand
6429.0	6458.6	Ohio Creek
6579.0	6608.6	Williams Fork
7379.0	7408.6	TOG
9029.0	9058.6	Cameo
9259.0	9288.6	Base Cameo Coal
9279.0	9308.6	Rollins
9517.0	9546.6	Cozzette
9790.0	9819.6	Corcoran



Azimuths to True North
Magnetic North: 9.58°

Strength: 51442.1snT
Dip Angle: 65.80°
Date: 5/3/2019
Model: HDGM

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	0.0	KOP/ (Build 3.00"/100')
604.0	6.12	218.93	603.6	-8.5	-6.8	10.9	10.9	10.9	EOB @ 6.12" Inc / 218.93" Azm
5655.6	6.12	218.93	5636.4	-428.2	-345.9	550.5	550.5	550.5	Drop @ 3.00"/100'
5889.6	0.00	0.00	5840.0	-436.7	-352.7	561.4	561.4	561.4	EOD @ Vertical
10069.6	0.00	0.00	10040.0	-436.7	-352.7	561.4	561.4	561.4	TD @ 10069.6' MD / 10040.0' TVD

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
PBHL - CC 0697-04-10E	10040.0	-436.7	-352.7	1638961.01	2233154.14	39.556215

ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSecDeparture	Annotation
202.0	1.90	200.40	202.0	-3.1	-1.2	3.2	3.3
10088.0	5.80	241.30	10064.3	-442.4	-379.7	582.8	609.1
							First MWD Survey @ 202.0' MD / 202.0' TVD
							Projection to TD @ 10088.0' MD / 10064.3' TVD

