

Gunderson 0994-13-10W
Mesa County, CO
Q180294 & RM-180258
Design #2

Company Name: Laramie Energy, LLC
Gunderson 0994-13-10W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 3/12/2018

PROJECT DETAILS: Mesa 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

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Azimuths to True North

Magnetic North: 9.45°

Strength: 51321.9snT

Dip Angle: 65.41°

Date: 3/6/2018

Model: USER DEFINED

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
717.4	15.52	355.66	711.1	69.5	-5.3	69.7	69.7	EOB @ 15.52° Inc. / 355.66° Azm	
5418.7	15.52	355.66	5240.9	1323.9	-100.4	1327.7	1327.7	Drop 3° / 100'	
5936.1	0.00	0.00	5752.0	1393.4	-105.7	1397.4	1397.4	EOD @ Vertical	
7786.1	0.00	0.00	7602.0	1393.4	-105.7	1397.4	1397.4	TD @ 7786.1' MD / 7602.0' TVD	

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Gunderson 0994-13-10W D#2	7602.0	1393.4	-105.7	1534547.38	2339022.30	39.277744	-107.835244	Circle (Radius: 50.0)

WELL DETAILS: Gunderson 0994-13-10W					
				7272.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1533151.75	2339092.12	39.273918	-107.834871

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
323.0	4.70	358.70	322.6	13.2	-0.3	13.2	13.2	First MWD Survey @ 323.0' MD / 322.6' TVD	
7767.0	1.60	248.60	7587.4	1380.3	-134.6	1386.6	1436.1	Projection to TD @ 7767.0' MD / 7587.4' TVD	

FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
4352.0	4496.1	Ohio Creek	
4552.0	4703.7	Williams Fork	
5752.0	5936.1	TOG	
6952.0	7136.1	Cameo	
7312.0	7496.1	Base Cameo Coal	
7352.0	7536.1	Rollins	

