

Gunderson 0994-13-12W
Mesa County, CO
Q180297 & RM-180261
Design #3

Company Name: Laramie Energy, LLC
Gunderson 0994-13-12W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 3/22/2018

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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M

Azimuths to True North

Magnetic North: 9.45°

Strength: 51321.9snT

Dip Angle: 65.41°

Date: 3/6/2018

Model: USER DEFINED

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Gunderson 0994-13-12W	7592.0	775.1	-92.9	1533923.63	2339013.70	39.276031	-107.835218	Circle (Radius: 50.0)

DESIGN ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')
516.7	5.00	330.00	516.5	6.3	-3.6	6.7	7.3	EOB @ 5.00° Inc. / 330.00° Azm
716.7	5.00	330.00	715.7	21.4	-12.3	22.7	24.7	Build 3° / 100'
876.4	8.90	354.12	874.3	39.7	-17.1	41.5	43.8	EOB @ 8.90° Inc. / 354.12° Azm
5504.3	8.90	354.12	5446.4	752.2	-90.5	757.6	760.1	Drop 3° / 100'
5801.1	0.00	0.00	5742.0	775.1	-92.9	780.6	783.1	EOD @ Vertical
7651.1	0.00	0.00	7592.0	775.1	-92.9	780.6	783.1	TD @ 7651.1' MD / 7592.0' TVD

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
472.0	6.40	349.00	471.0	25.9	-5.0	26.3	26.3	First MWD Survey @ 472.0' MD / 471.0' TVD
7641.0	1.50	212.60	7580.0	812.4	-89.8	817.3	849.0	Projection to TD @ 7641.0' MD / 7580.0' TVD

WELL DETAILS: Gunderson 0994-13-12W							
						7272.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.0	0.0	1533146.43	2339086.61	39.273903	-107.834890		

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4342.0	4386.4	Ohio Creek
4542.0	4588.9	Williams Fork
5742.0	5801.1	TOG
6942.0	7001.1	Cameo
7302.0	7361.1	Base Cameo Coal
7342.0	7401.1	Rollins

