

Gunderson 0994-13-17W
Mesa County, CO
Q180513 & RM-180439
Design #3

Company Name: Laramie Energy, LLC
Gunderson 0994-13-17W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 5/9/2018

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: 9.44°

Strength: 51306.4snT

Dip Angle: 65.41°

Date: 4/24/2018

Model: USER DEFINED

DESIGN #3 ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
520.2	6.40	186.58	519.5	-17.8	-2.0	17.9	17.9	EOB @ 6.40° Inc. / 186.58° Azm	
3519.4	6.40	186.58	3500.0	-350.1	-40.4	352.4	352.4	Drop 3° / 100'	
3839.6	0.00	186.58	3819.6	-367.9	-42.5	370.3	370.3	EOD @ Vertical	
7594.0	0.00	0.00	7574.0	-367.9	-42.5	370.3	370.3	TD @ 7594.0' MD / 7574.0' TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4324.0	4344.0	Ohio Creek
4524.0	4544.0	Williams Fork
5724.0	5744.0	TOG
6924.0	6944.0	Cameo
7284.0	7304.0	Base Cameo Coal
7324.0	7344.0	Rollins

WELL DETAILS: Gunderson 0994-13-17W					
				7272.0	
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1533102.39	2339056.59	39.273780	-107.834992

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Gunderson 0994-13-17W	7574.0	-367.9	-42.5	1532735.75	2339004.69	39.272770	-107.835142	Circle (Radius: 50.0)

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
197.0	2.10	156.00	197.0	-3.3	1.5	3.1	3.6	First MWD Survey @ 197.0' MD / 197.0' TVD
7594.0	3.30	254.80	7573.5	-386.2	-85.3	393.4	429.8	Projection to TD @ 7594.0' MD / 7573.5' TVD



Vertical Section at 186.58° (200 usf/in)

