

Gunderson 0994-13-17E
Mesa County, CO
Q180434 & RM-180372
Design #1

Company Name: Laramie Energy, LLC
Gunderson 0994-13-17E
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 4/22/2018

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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Azimuths to True North

Magnetic North: 9.45°

Strength: 51312.4snT

Dip Angle: 65.41°

Date: 4/5/2018

Model: USER DEFINED



DESIGN 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')	
1189.6	29.69	97.33	1145.9	-32.0	248.6	250.7	250.7	EOB @ 29.69° Inc. / 97.33° Azm	
5448.9	29.69	97.33	4846.1	-301.1	2340.8	2360.1	2360.1	Drop 3° / 100'	
6438.4	0.00	0.00	5792.0	-333.1	2589.5	2610.8	2610.8	EOD @ Vertical	
8288.4	0.00	0.00	7642.0	-333.1	2589.5	2610.8	2610.8	TD @ 8288.4' MD / 7642.0' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
472.0	9.90	99.30	469.7	-6.6	40.1	40.6	40.7	First MWD Survey @ 472.0' MD / 469.7' TVD	
8285.0	2.90	259.80	7644.7	-308.6	2581.1	2599.5	2689.4	Projection to TD @ 8285.0' MD / 7644.7' TVD	

FORMATION TOP DETAILS		
TVDPATH	MDPATH	FORMATION
4392.0	4926.1	Ohio Creek
4592.0	5156.3	Williams Fork
5792.0	6438.4	TOG
6992.0	7638.4	Cameo
7352.0	7998.4	Base Cameo Coal
7392.0	8038.4	Rollins



DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL - Gunderson 0994-13-17E	7272.0	-333.1	2589.5	1532713.49	2341647.11	39.272895	-107.825809	Circle (Radius: 50.0)	

WELL DETAILS: Gunderson 0994-13-17E						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	1533113.05	2339067.06	39.273810	-107.834956	

