

Gunderson 0994-13-15E
Mesa County, CO
Q180362 & RM-180313
Design #1

Company Name: Laramie Energy, LLC
Gunderson 0994-13-15E
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 4/06/2018

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: 51316.8snT

Dip Angle: 65.41°

Date: 3/22/2018

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')	
1172.8	29.18	86.53	1131.3	14.7	242.0	242.5	242.5	EOB @ 29.18° Inc. / 86.53° Azm	
5456.0	29.18	86.53	4870.7	141.0	2326.7	2331.0	2331.0	Drop 3° / 100'	
6428.8	0.00	0.00	5802.0	155.7	2568.8	2573.5	2573.5	EOD @ Vertical	
8278.8	0.00	0.00	7652.0	155.7	2568.8	2573.5	2573.5	TD @ 8278.8' MD / 7652.0' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
472.0	7.70	86.60	470.6	1.9	31.6	31.7	31.7	First MWD Survey @ 472.0' MD / 470.6' TVD	
8291.0	2.10	256.20	7661.8	170.8	2555.0	2560.6	2647.4	Projection to TD @ 8291.0' MD / 7661.8' TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4402.0	4919.1	Ohio Creek
4602.0	5148.2	Williams Fork
5802.0	6428.8	TOG
7002.0	7628.8	Cameo
7362.0	7988.8	Base Cameo Coal
7402.0	8028.8	Rollins



DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL - Gunderson 0994-13-15E	7272.0	155.7	2568.8	1533212.93	2341649.71	39.274266	-107.825845	Circle (Radius: 50.0)	

WELL DETAILS: Gunderson 0994-13-15E							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.0	0.0	1533123.34	2339077.80	39.273839	-107.834919		

