

Gunderson 0994-14-10E  
Mesa County, CO  
Q180359 & RM-180310  
Design #1

Company Name: Laramie Energy, LLC  
Gunderson 0994-14-10E  
Mesa County, CO  
Rig: H&P #522  
Created By: Will Jircik  
Date: 3/28/2018

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: 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')	
1351.2	34.53	297.15	1282.7	153.6	-299.5	336.5	336.5	EOB @ 34.53° Inc. / 297.15° Azm	
5340.8	34.53	297.15	4569.3	1185.8	-2311.9	2598.3	2598.3	Drop 3° / 100'	
6491.9	0.00	0.00	5652.0	1339.4	-2611.4	2934.8	2934.8	EOD @ Vertical	
8891.9	0.00	0.00	8052.0	1339.4	-2611.4	2934.8	2934.8	TD @ 8891.9' MD / 8052.0' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
472.0	7.00	307.40	470.8	17.5	-22.9	28.3	28.8	First MWD Survey @ 472.0' MD / 470.8' TVD	
8870.0	2.70	235.50	8050.0	1341.3	-2650.1	2970.2	3029.7	Projection to TD @ 8870.0' MD / 8050.0' TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4252.0	4955.6	Ohio Creek
4452.0	5198.4	Williams Fork
5652.0	6491.9	TOG
6852.0	7691.9	Cameo
7212.0	8051.9	Base Cameo Coal
7252.0	8091.9	Rollins
7677.0	8516.9	Cozzette
7852.0	8691.9	Corcoran



DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Gunderson 0994-14-10E	8052.0	1339.4	-2611.4	1534547.14	2336505.28	39.277565	-107.844133	Circle (Radius: 50.0)

WELL DETAILS: Gunderson 0994-14-10E						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	1533141.10	2339081.37	39.273888	-107.834908	

