

Gunderson 0994-13-16W
Mesa County, CO
Q180514 & RM-180440
Design #2

Company Name: Laramie Energy, LLC
Gunderson 0994-13-16W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 5/11/2018

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: 9.44°

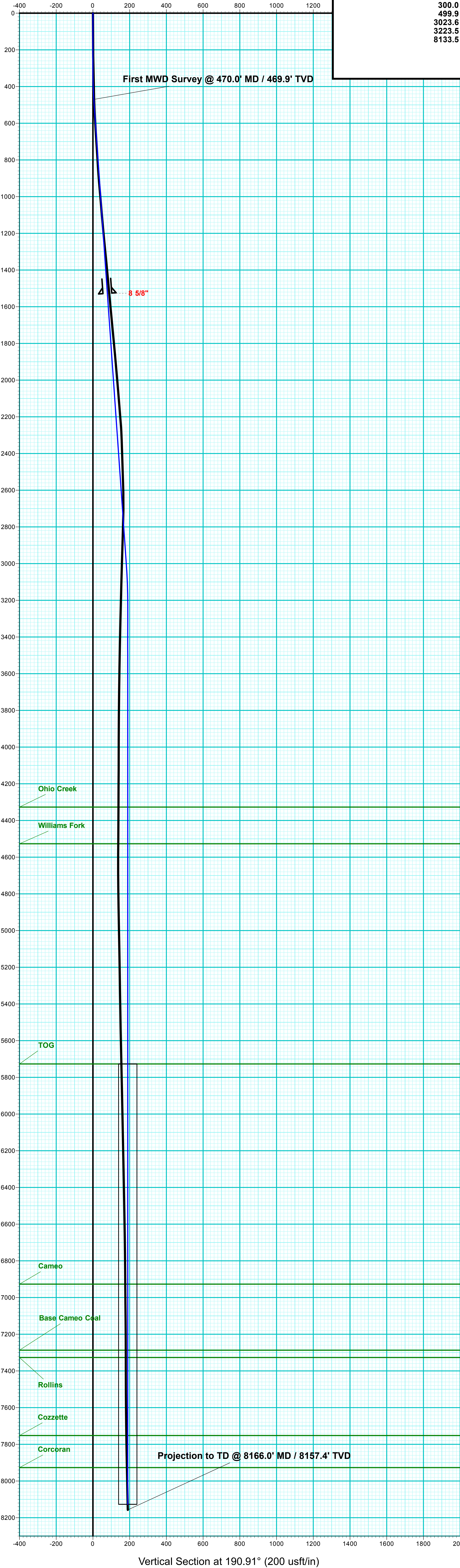
Strength: 51306.4snT

Dip Angle: 65.41°

Date: 4/24/2018

Model: USER DEFINED

DESIGN #2 ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
499.9	4.00	190.91	499.7	-6.8	-1.3	7.0	7.0	EOB @ 4.00° Inc. / 190.91° Azm	
3023.6	4.00	190.91	3017.3	-179.6	-34.6	182.9	182.9	Drop 2° / 100'	
3223.5	0.00	0.00	3217.0	-186.5	-36.0	189.9	189.9	EOD @ Vertical	
8133.5	0.00	0.00	8127.0	-186.5	-36.0	189.9	189.9	TD @ 8133.5' MD / 8127.0' TVD	



FORMATION TOP DETAILS		
TVDPATH	MDPATH	FORMATION
4327.0	4333.5	Ohio Creek
4527.0	4533.5	Williams Fork
5727.0	5733.5	TOG
6927.0	6933.5	Cameo
7287.0	7293.5	Base Cameo Coal
7327.0	7333.5	Rollins
7752.0	7758.5	Cozzette
7927.0	7933.5	Corcoran



DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Gunderson 0994-13-16W	1666.0	-186.5	-36.0	1532924.01	2339008.68	39.273287	-107.835145	Circle (Radius: 50.0)

WELL DETAILS: Gunderson 0994-13-16W							
+N/-S	+E/-W	Northing	Easting	7272.0	Latitude	Longitude	
0.0	0.0	1533109.49	2339049.41		39.273799	-107.835018	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
470.0	1.90	222.10	469.9	-5.8	-5.2	6.7	7.8	First MWD Survey @ 470.0' MD / 469.9' TVD	
8166.0	2.30	246.60	8157.4	-179.1	-75.0	190.1	302.9	Projection to TD @ 8166.0' MD / 8157.4' TVD	

