

Bruton 19-02W
Mesa County, CO
Q171023 & RM-170872
Design #2

Company Name: Laramie Energy, LLC
Bruton 19-02W
Mesa County, CO
Rig: H&P #290
Created By: Will Jircik
Date: 8/17/2017

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: 9.57°

Strength: 51400.2snT

Dip Angle: 65.43°

Date: 8/8/2017

Model: IGRF2015

Design #2									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100)	
940.7	23.72	351.81	918.3	159.7	-23.0	161.3	161.4	EOB @ 23.72° Inc. / 351.81° Azm	
5301.5	23.72	351.81	4910.7	1896.1	-272.8	1915.4	1915.7	Drop 3° / 100'	
6092.2	0.00	351.81	5679.0	2055.9	-295.8	2076.7	2077.0	EOD @ Vertical	
8042.2	0.00	0.00	7629.0	2055.9	-295.8	2076.7	2077.0	TD @ 8042' MD / 7629' TVD	

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Bruton 19-02W	7629.0	2055.9	-295.8	1531093.87	2344347.34	39.268639	-107.816128
- plan hits target center							
Shape Circle (Radius: 50.0)							

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
204.0	4.10	338.30	203.8	6.8	-2.7	7.1	7.3	First MWD Survey @ 204.0' MD / 203.8' TVD	
8052.0	1.10	203.40	7645.5	2058.5	-282.5	2077.7	2112.8	Projection to TD @ 8052.0' MD / 7645.5' TVD	

WELL DETAILS: Bruton 19-02W						
+N/-S	+E/-W	Northing	Ground Level:	7262.0	Latitude	Longitude
0.0	0.0	1529031.13	Easting	2344590.62	39.262994	-107.815083

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2579.0	2754.7	G' Sand
4379.0	4720.8	Williams Fork
5679.0	6092.2	TOG
6679.0	7092.2	Cameo
7359.0	7752.2	Base Cameo Coal
7379.0	7792.2	Rollins

