

Bruton Federal 31-01E
Mesa County, CO
Q180137 & RM-180121
Design #2

Company Name: Laramie Energy, LLC
Bruton Federal 31-01E
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 2/8/2018

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: 9.52°

Strength: 51338.2snT

Dip Angle: 65.41°

Date: 1/25/2018

Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2568.0	2878.8	G' Sand
4418.0	5110.2	Williams Fork
5618.0	6402.8	TOG
6718.0	7502.8	Cameo
7378.0	8162.8	Base Cameo Coal
7418.0	8202.8	Rollins

WELL DETAILS: Bruton Federal 31-01E						
+N/-S 0.0	+E/-W 0.0	Northing 1523535.37	Ground Level:		7643.0	Longitude -107.808783
			Easting 2346235.34	Latitude 39.248025		

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Bruton Federal 31-01E	7659.0	-2738.9	510.1	1520784.41	2346675.66	39.240505	-107.806982	Circle (Radius: 50.0)

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
308.0	0.00	0.00	308.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
1441.3	34.00	180.00	1376.0	-326.5	0.0	321.0	326.5	EOB @ 34.00° Inc. / 180.00° Azm / Turn 3° / 100'	
1669.4	34.00	167.75	1565.3	-452.8	13.6	447.6	453.8	EOT @ 167.75° Azm	
5269.6	34.00	167.75	4550.1	-2419.9	440.8	2459.7	2466.8	Drop 3° / 100'	
6402.8	0.00	0.00	5618.0	-2738.9	510.1	2786.0	2793.2	EOD @ Vertical	
8452.8	0.00	0.00	7668.0	-2738.9	510.1	2786.0	2793.2	TD @ 8452.8' MD / 7668.0' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
199.0	3.50	181.50	198.9	-6.1	-0.2	5.9	6.1	First MWD Survey @ 199.0' MD / 198.9' TVD	
8424.0	3.70	243.10	7659.0	-2742.8	462.0	2778.4	2886.8	Projection to TD @ 8424.0' MD / 7659.0' TVD	

