

Bruton 30-09W
Mesa County, CO
Q171229 & RM-171038
Design #2

Company Name: Laramie Energy, LLC
Bruton 30-09W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 10/17/2017

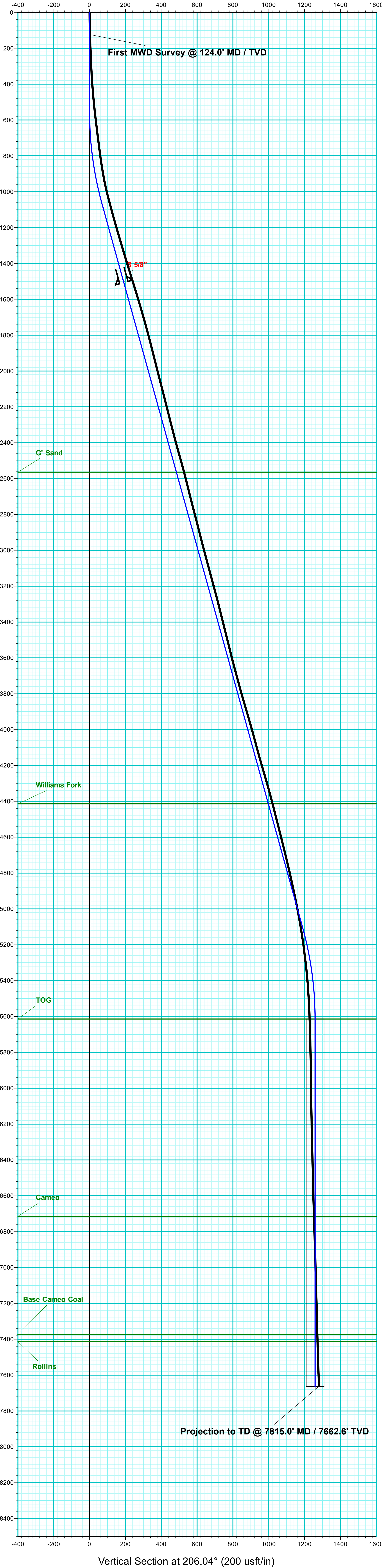
PROJECT DETAILS: Mesa County, CO
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

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Azimuths to True North
Magnetic North: 9.56°

Strength: 51378.1snT
Dip Angle: 65.42°
Date: 9/25/2017
Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2564.0	2626.8	G' Sand
4414.0	4546.7	Williams Fork
5614.0	5779.0	TOG
6714.0	6879.0	Cameo
7374.0	7539.0	Base Cameo Coal
7414.0	7579.0	Rollins

WELL DETAILS: Bruton 30-09W					
+N/-S	+E/-W	Northing	Ground Level: Easting	7512.0 Latitude	Longitude
0.0	0.0	1525245.03	2344709.78	39.252611	-107.814322

DESIGN #2 ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
558.0	0.00	0.00	558.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
1074.9	15.51	206.04	1068.7	-62.5	-30.5	69.5	69.5	EOB @ 15.51° Inc. / 206.04° Azm	
5262.1	15.51	206.04	5103.3	-1068.4	-522.0	1189.1	1189.1	Drop 3° / 100'	
5779.0	0.00	0.00	5614.0	-1130.9	-552.5	1258.6	1258.6	EOD @ Vertical	
7829.0	0.00	0.00	7664.0	-1130.9	-552.5	1258.6	1258.6	TD @ 7829' MD / 7664' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
124.0	2.20	235.60	124.0	-1.3	-2.0	2.1	2.4	First MWD Survey @ 124.0' MD / TVD	
7815.0	1.80	217.30	7662.6	-1145.5	-571.4	1280.1	1288.5	Projection to TD @ 7815.0' MD / 7662.6' TVD	

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL - Bruton 30-09W	7664.0	-1130.9	-552.5	1524128.61	2344128.65	39.249506	-107.816273	Circle (Radius: 50.0)	

