

Bruton 30-15W
Mesa County, CO
Q171495 & RM-171278
Design #2

Company Name: Laramie Energy, LLC
Bruton 30-15W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 12/22/2017

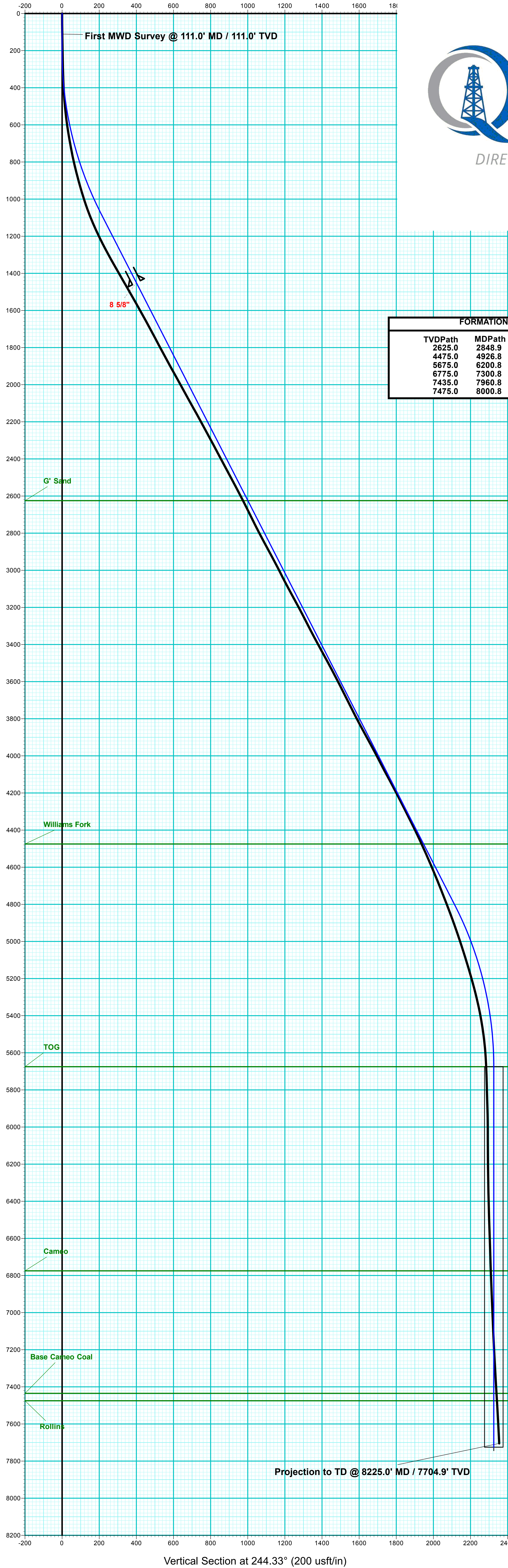
PROJECT DETAILS: Mesa County, CO
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

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Azimuths to True North
Magnetic North: 9.54°

Strength: 51357.7snT
Dip Angle: 65.41°
Date: 11/22/2017
Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2625.0	2848.9	G' Sand
4475.0	4926.8	Williams Fork
5675.0	6200.8	TOG
6775.0	7300.8	Cameo
7435.0	7960.8	Base Cameo Coal
7475.0	8000.8	Rollins

DESIGN #2 ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
208.0	0.00	0.00	208.0	0.0	0.0	0.0	0.0	KOB (Build 3° / 100')	
1110.9	27.09	244.33	1077.7	-90.7	-188.8	209.5	209.5	EOB @ 27.09° Inc. / 244.33° Azm	
5287.9	27.09	244.33	4805.3	-916.6	-1807.2	2116.0	2116.0	Drop 3° / 100'	
6200.8	0.00	0.00	5675.0	-1007.3	-2096.0	2325.5	2325.5	EOD @ Vertical	
8250.8	0.00	0.00	7725.0	-1007.3	-2096.0	2325.5	2325.5	TD @ 8250.8' MD / 7725.0' TVD	

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Bruton 30-15W	7725.0	-1007.3	-2096.0	1522629.22	2344077.10	39.245387	-107.816320	Circle (Radius: 50.0)

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
111.0	1.30	217.00	111.0	-1.0	-0.8	1.1	1.3	First MWD Survey @ 111.0' MD / 111.0' TVD	
8225.0	3.00	227.80	7704.9	-1035.4	-2114.8	2354.6	2367.4	Projection to TD @ 8225.0' MD / 7704.9' TVD	

