

Bruton 30-05W  
Mesa County, CO  
Q171153 & RM-170977  
Design #1

Company Name: Laramie Energy, LLC  
Bruton 30-05W  
Mesa County, CO  
Rig: H&P #522  
Created By: Will Jircik  
Date: 9/15/2017

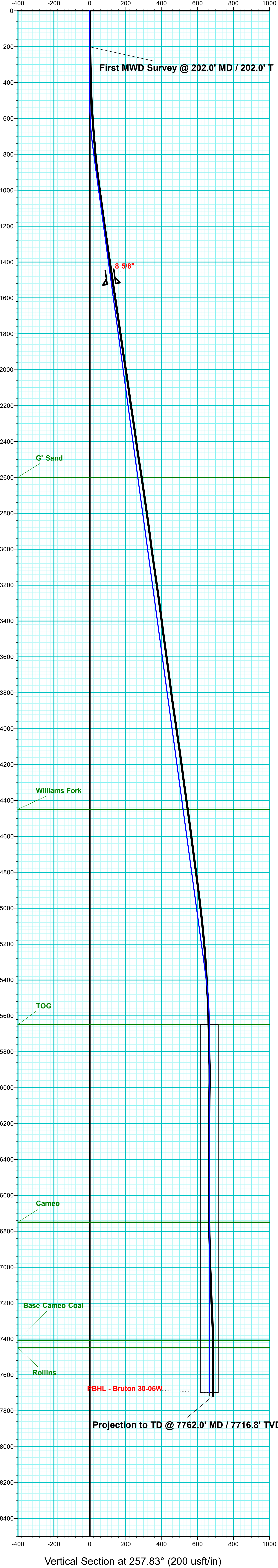
PROJECT DETAILS: Mesa County, CO  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

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Azimuths to True North  
Magnetic North: 9.56°

Strength: 51383.0snT  
Dip Angle: 65.42°  
Date: 9/9/2017  
Model: IGRF2015



WELL DETAILS: Bruton 30-05W					
+N/-S	+E/-W	Northing	Ground Level: Easting	7512.0 Latitude	Longitude
0.0	0.0	1525267.10	2344715.72	39.252672	-107.814303

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2599.0	2616.7	G' Sand
4449.0	4483.8	Williams Fork
5649.0	5693.3	TOG
6749.0	6793.3	Cameo
7409.0	7453.3	Base Cameo Coal
7449.0	7493.3	Rollins

DESIGN TARGET DETAILS								
Name	PBHL - Bruton 30-05W	TVD	7699.0	+N/-S	-140.2	+E/-W	-650.2	Shape
				Northing	1525143.52	Easting	2344062.19	Circle (Radius: 50.0)
				Latitude	39.252287	Longitude	-107.816599	

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
508.0	0.00	0.00	508.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
766.6	7.76	287.83	765.8	-3.7	-17.1	17.5	17.5	EOB @ 7.76° Inc. / 257.83° Azm	
5434.7	7.76	287.83	5391.2	-136.5	-633.1	647.6	647.6	Drop 3° / 100'	
5693.3	0.00	0.00	5649.0	-140.2	-650.2	665.1	665.1	EOD @ Vertical	
7743.3	0.00	0.00	7699.0	-140.2	-650.2	665.1	665.1	TD @ 7743.3' MD / 7699.0' TVD	

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
202.0	1.10	229.80	202.0	-1.3	-1.5	1.7	1.9	First MWD Survey @ 202.0' MD / 202.0' TVD
7762.0	1.40	174.90	7716.8	-173.1	-664.8	686.4	734.3	Projection to TD @ 7762.0' MD / 7716.8' TVD

