

Bruton 30-04E  
Mesa County, CO  
Q171154 & RM-170978  
Design #1

Company Name: Laramie Energy, LLC  
Bruton 30-04E  
Mesa County, CO  
Rig: H&P #522  
Created By: Will Jircik  
Date: 9/19/2017

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

T

M

Azimuths to True North

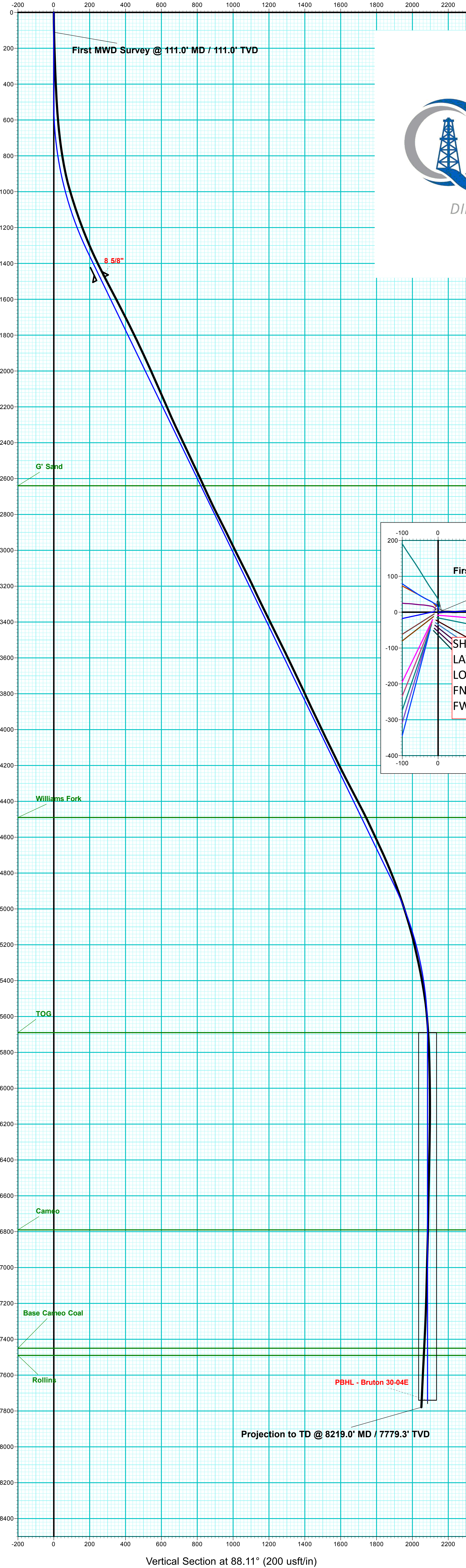
Magnetic North: 9.56°

Strength: 51383.0snT

Dip Angle: 65.42°

Date: 9/9/2017

Model: IGRF2015



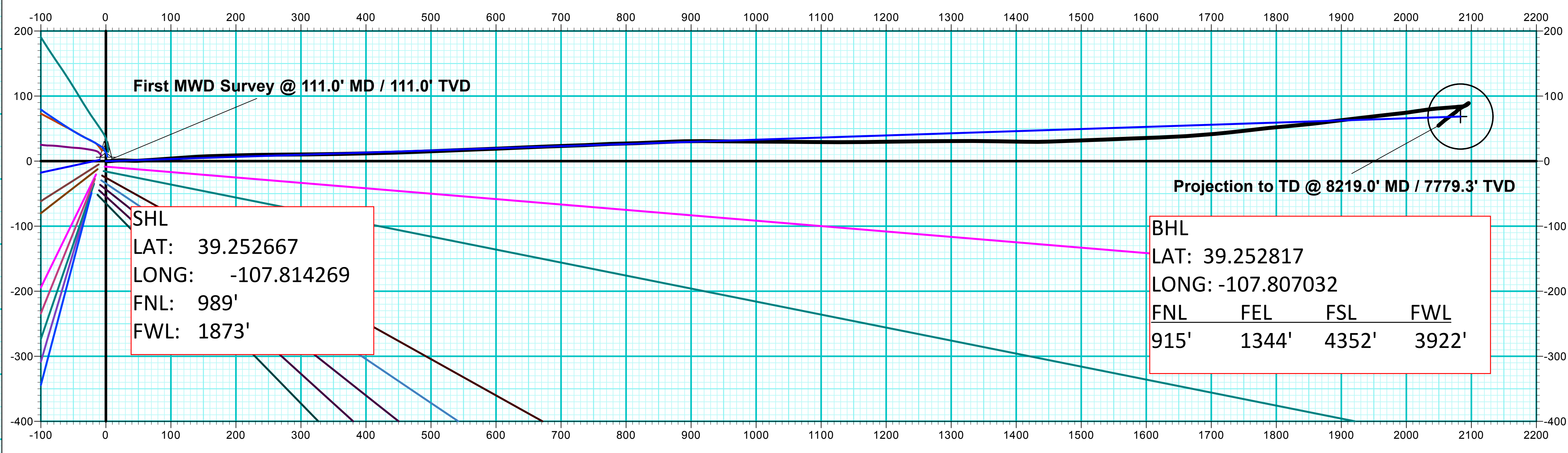
FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2640.0	2813.2	G' Sand
4490.0	4868.5	Williams Fork
5690.0	6138.2	TOG
6790.0	7238.2	Cameo
7450.0	7898.2	Base Cameo Coal
7490.0	7938.2	Rollins

WELL DETAILS: Bruton 30-04E					
+N/-S 0.0	+E/-W 0.0	Ground Level: 7512.0		Latitude 39.252667	Longitude -107.814269
		Northing 1525265.05	Easting 2344725.30		

DESIGN #1 ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure
508.0	0.00	0.00	508.0	0.0	0.0	0.0	0.0
1369.0	25.83	88.11	1340.1	6.3	190.7	190.8	190.8
5277.2	25.83	88.11	4857.9	62.3	1892.6	1893.6	1893.6
6138.2	0.00	88.11	5690.0	68.6	2083.3	2084.4	2084.4
8188.2	0.00	0.00	7740.0	68.6	2083.3	2084.4	2084.4
KOP (Build 3° / 100')							
EOB @ 25.83° Inc. / 88.11° Azm							
Drop 3° / 100'							
EOD @ Vertical							
TD @ 8188.2' MD / 7740.0' TVD							

ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure
111.0	1.30	91.70	111.0	0.0	1.3	1.3	1.3
8219.0	3.40	228.90	7779.3	54.6	2049.5	2050.1	2160.0
First MWD Survey @ 111.0' MD / 111.0' TVD							
Projection to TD @ 8219.0' MD / 7779.3' TVD							

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Bruton 30-04E	7740.0	68.6	2083.3	1525280.53	2346809.69	39.252855	-107.806912	Circle (Radius: 50.0)



Vertical Section at 88.11° (200 usft/in)