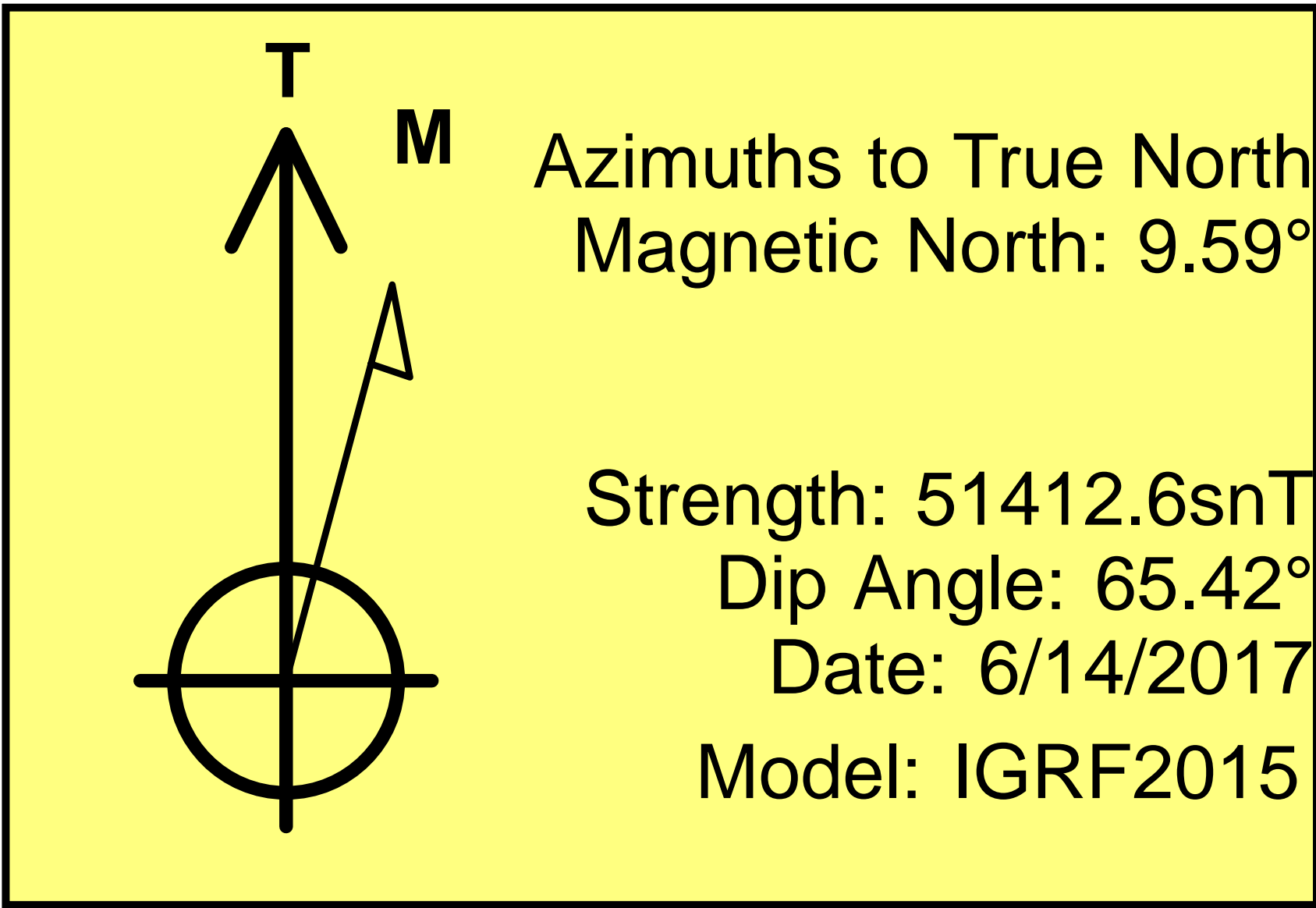
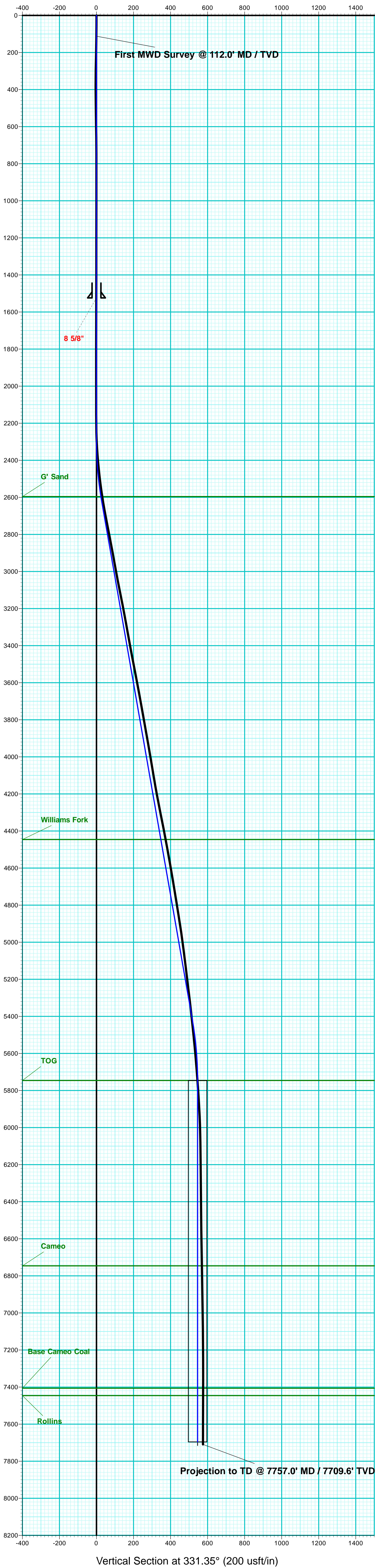


Bruton 19-20E  
Mesa County, CO  
Q170791 & RM-170663  
Design #2

Company Name: Laramie Energy, LLC  
Bruton 19-20E  
Mesa County, CO  
Rig: H&P #290  
Created By: Will Jircik  
Date: 6/18/2017

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



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2596.0	2597.3	G' Sand
4446.0	4475.4	Williams Fork
5746.0	5791.8	TOG
6746.0	6791.8	Cameo
7406.0	7451.8	Base Cameo Coal
7446.0	7491.8	Rollins

WELL DETAILS: Bruton 19-20E					
+N/-S	+E/-W	Ground Level:	7425.0	Latitude	Longitude
0.0	0.0	Northing	2347044.70	39.255197	-107.806158

DESIGN TARGET DETAILS							
Name	BRUTON 19-20E	TVD	7696.0	+N/-S	479.2	+E/-W	-261.8
	- plan hits target center	Northing	1526613.64	Easting	2346795.12	Latitude	39.256513
		Longitude	-107.807083	Shape	Circle (Radius: 50.0)		

ANNOTATIONS							
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure
112.0	1.10	91.50	112.0	0.0	1.1	-0.5	1.1
7757.0	3.90	240.00	7709.6	492.0	-299.1	575.1	644.4
Annotation: First MWD Survey @ 112.0' MD / TVD Projection to TD @ 7757.0' MD / 7709.6' TVD							

