

Bruton Federal 30-17W  
Mesa County, CO  
Q180018 & RM-180017  
Design #3

Company Name: Laramie Energy, LLC  
Bruton Federal 30-17W  
Mesa County, CO  
Rig: H&P #522  
Created By: Will Jircik  
Date: 1/8/2018

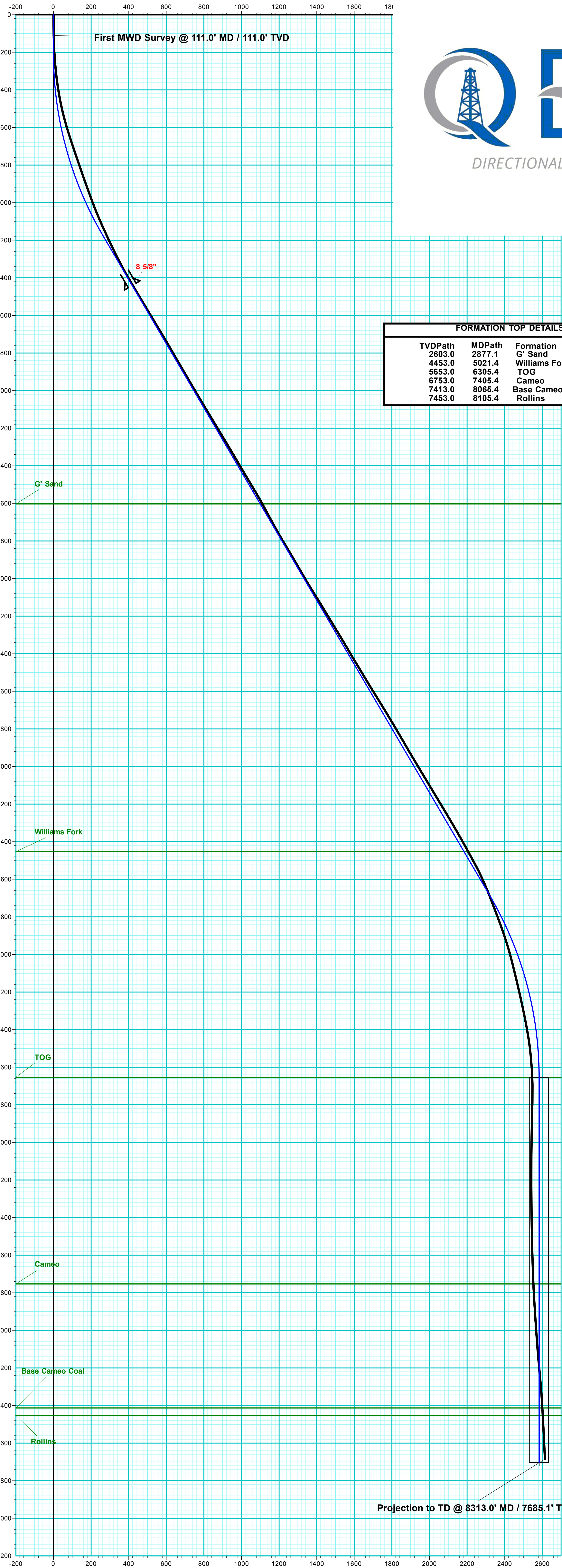
PROJECT DETAILS: Mesa County, CO  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

T

M

Azimuths to True North  
Magnetic North: 9.53°

Strength: 51348.9snT  
Dip Angle: 65.41°  
Date: 12/21/2017  
Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2603.0	2877.1	G' Sand
4453.0	5021.4	Williams Fork
5553.0	6305.4	TOG
6753.0	7405.4	Cameo
7413.0	8065.4	Base Cameo Coal
7453.0	8105.4	Rollins

WELL DETAILS: Bruton Federal 30-17W					
+N/-S	+E/-W	Northing	Ground Level: Easting	7643.0	Latitude
0.0	0.0	1523565.58	2346207.78	39.248106	Longitude
					-107.808883

DESIGN #3 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	KOP (Build 3° / 100')	
1220.4	30.37	234.78	1173.7	-151.2	-214.1	262.1	262.1	EOB @ 30.37° Inc. / 234.78° Azm	
5253.0	30.37	234.78	4687.3	-1336.7	-1896.4	2321.3	2321.3	Drop 3° / 100'	
6305.4	0.00	0.00	5653.0	-1489.9	-2110.5	2583.4	2583.4	EOD @ Vertical	
8355.4	0.00	0.00	7703.0	-1489.9	-2110.5	2583.4	2583.4	TD @ 8355.4' MD / 7703.0' TVD	

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Bruton Federal 30-17W	7703.0	-1489.9	-2110.5	1522129.79	2344060.11	39.244015	-107.816335	Circle (Radius: 50.0)

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
111.0	1.10	234.10	111.0	-0.6	-0.9	1.1	1.1	First MWD Survey @ 111.0' MD / 111.0' TVD	
8313.0	2.60	229.00	7685.1	-1519.3	-2127.4	2614.2	2635.1	Projection to TD @ 8313.0' MD / 7685.1' TVD	

