

Bruton Federal 30-20W
Mesa County, CO
Q180135 & RM-180119
Design #2

Company Name: Laramie Energy, LLC
Bruton Federal 30-20W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 1/30/2018

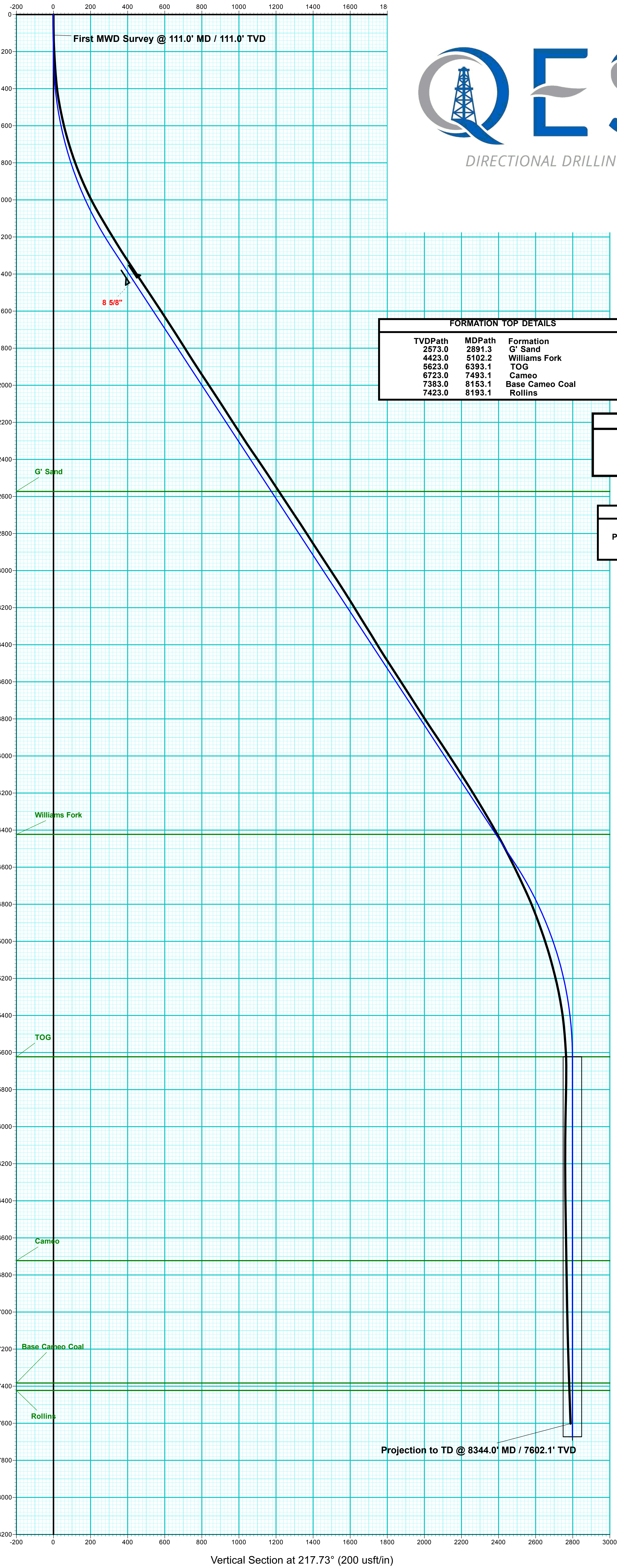
PROJECT DETAILS: Mesa County, CO
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

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Azimuths to True North
Magnetic North: 9.52°

Strength: 51338.2snT
Dip Angle: 65.41°
Date: 1/25/2018
Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2573.0	2891.3	G' Sand
4423.0	5102.2	Williams Fork
5623.0	6393.1	TOG
6723.0	7493.1	Cameo
7383.0	8153.1	Base Cameo Coal
7423.0	8193.1	Rollins

WELL DETAILS: Bruton Federal 30-20W						
+N/-S	+E/-W	Northing	Ground Level: Easting	7643.0	Latitude	Longitude
0.0	0.0	1523539.72	2346221.85		39.248036	-107.808831

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	KOP (Build 3° / 100')	
1314.7	33.20	217.73	1253.8	-246.6	-190.8	311.8	311.8	EOB @ 33.20° Inc. / 217.73° Azm	
5286.5	33.20	217.73	4577.2	-1966.7	-1521.6	2486.6	2486.6	Drop 3° / 100'	
6393.1	0.00	0.00	5623.0	-2213.3	-1712.3	2798.3	2798.3	EOD @ Vertical	
8443.1	0.00	0.00	7673.0	-2213.3	-1712.3	2798.3	2798.3	TD @ 8443.1' MD / 7673.0' TVD	

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
111.0	1.10	207.70	111.0	-0.9	-0.5	1.0	1.1	First MWD Survey @ 111.0' MD / 111.0' TVD
8344.0	2.20	235.80	7602.1	-2206.4	-1704.9	2788.4	2811.8	Projection to TD @ 8344.0' MD / 7602.1' TVD

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Bruton Federal 30-20W	7673.0	-2213.3	-1712.3	1521370.68	2344453.82	39.241959	-107.814877
							Shape
							Circle (Radius: 50.0)

