

Bruton Federal 30-18W  
Mesa County, CO  
Q180043 & RM-180041  
Design #2

Company Name: Laramie Energy, LLC  
Bruton Federal 30-18W  
Mesa County, CO  
Rig: H&P #522  
Created By: Will Jircik  
Date: 1/14/2018

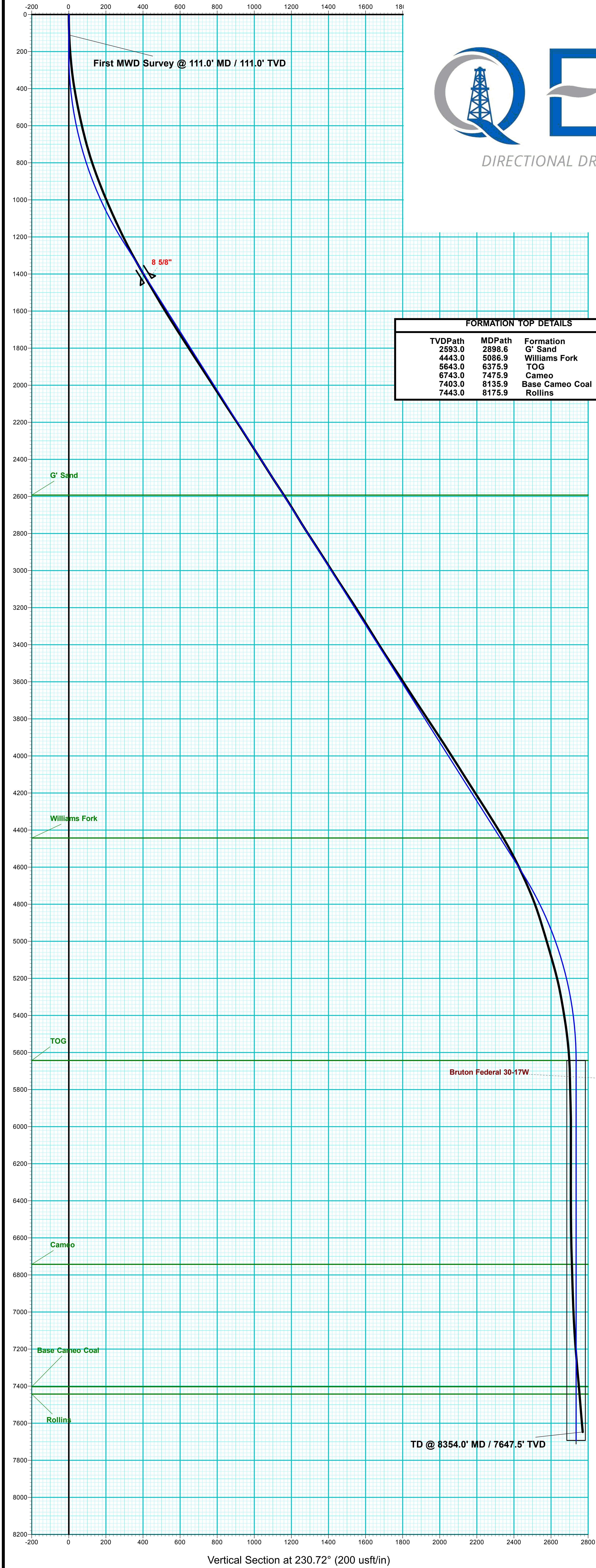
PROJECT DETAILS: Mesa County, CO  
Geodetic System: US State Plane 1983  
Datum: North American Datum 1983  
Ellipsoid: GRS 1980  
Zone: Colorado Central Zone  
System Datum: Mean Sea Level

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Azimuths to True North  
Magnetic North: 9.53°

Strength: 51344.0snT  
Dip Angle: 65.41°  
Date: 1/6/2018  
Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2593.0	2898.6	G' Sand
4443.0	5086.9	Williams Fork
5643.0	6375.9	TOG
6743.0	7475.9	Cameo
7403.0	8135.9	Base Cameo Coal
7443.0	8175.9	Rollins

WELL DETAILS: Bruton Federal 30-18W					
+N/-S	+E/-W	Northing	Ground Level: Easting	7643.0 Latitude	Longitude
0.0	0.0	1523557.09	2346212.09	39.248083	-107.808867

DESIGN 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')	
1284.1	32.28	230.72	1228.1	-186.9	-228.5	295.3	295.3	EOB @ 32.28° Inc. / 230.72° Azm	
5299.7	32.28	230.72	4622.9	-1544.8	-1888.8	2440.1	2440.1	Drop 3° / 100'	
6375.9	0.00	0.00	5643.0	-1731.7	-2117.3	2735.3	2735.3	EOD @ Vertical	
8425.9	0.00	0.00	7693.0	-1731.7	-2117.3	2735.3	2735.3	TD @ 8425.9' MD / 7693.0' TVD	

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
111.0	2.40	225.20	111.0	-1.6	-1.6	2.3	2.3	First MWD Survey @ 111.0' MD / 111.0' TVD
8354.0	5.00	228.90	7647.5	-1741.1	-2155.5	2770.8	2783.9	TD @ 8354.0' MD / 7647.5' TVD

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL - Bruton Federal 30-18W	12893.0	-1731.7	-2117.3	1521879.71	2344051.47	39.243328	-107.816343	Circle (Radius: 50.0)	

