

Bruton 30-13W
Mesa County, CO
Q171425 & RM-171216
Design #4

Company Name: Laramie Energy, LLC
Bruton 30-13W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 11/23/2017

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

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Azimuths to True North

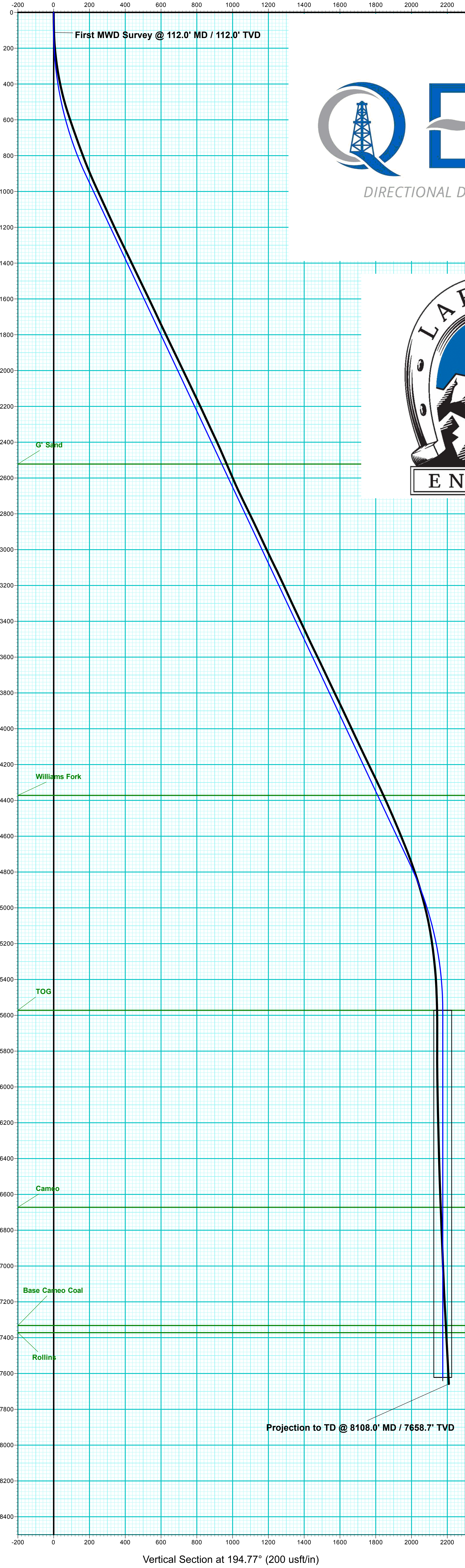
Magnetic North: 9.55°

Strength: 51363.2snT

Dip Angle: 65.41°

Date: 11/13/2017

Model: IGRF2015



FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2522.0	2718.3	G' Sand
4372.0	4763.1	Williams Fork
5572.0	6030.7	TOG
6672.0	7130.7	Cameo
7332.0	7790.7	Base Cameo Coal
7372.0	7830.7	Rollins

DESIGN #4 ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')
940.5	25.22	194.77	913.6	-176.0	-46.4	182.0	182.0	EOB @ 25.22° Inc. / 194.77° Azm
5190.2	25.22	194.77	4756.4	-1926.7	-507.8	1992.5	1992.5	Drop 3° / 100'
6030.7	0.00	0.00	5572.0	-2102.6	-554.2	2174.4	2174.4	EOD @ Vertical
8080.7	0.00	0.00	7622.0	-2102.6	-554.2	2174.4	2174.4	TD @ 8091' MD / 7622' TVD

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Bruton 30-13W	7622.0	-2102.6	-554.2	1523129.02	2344094.38	39.246760	-107.816304	Circle (Radius: 50.0)

WELL DETAILS: Bruton 30-13W						
+N/-S	+E/-W	Northing	Ground Level: Easting	7512.0	Latitude	Longitude
0.0	0.0	1525216.83	2344701.98	39.252533	-107.814347	

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
112.0	1.70	209.50	112.0	-1.4	-0.8	1.6	1.7	First MWD Survey @ 112.0' MD / 112.0' TVD
8108.0	3.80	237.70	7658.7	-2119.7	-623.2	2208.5	2235.8	Projection to TD @ 8108.0' MD / 7658.7' TVD

