

Bruton 30-14W
Mesa County, CO
Q171492 & RM-171275
Design #2

Company Name: Laramie Energy, LLC
Bruton 30-14W
Mesa County, CO
Rig: H&P #522
Created By: Will Jircik
Date: 12/4/2017

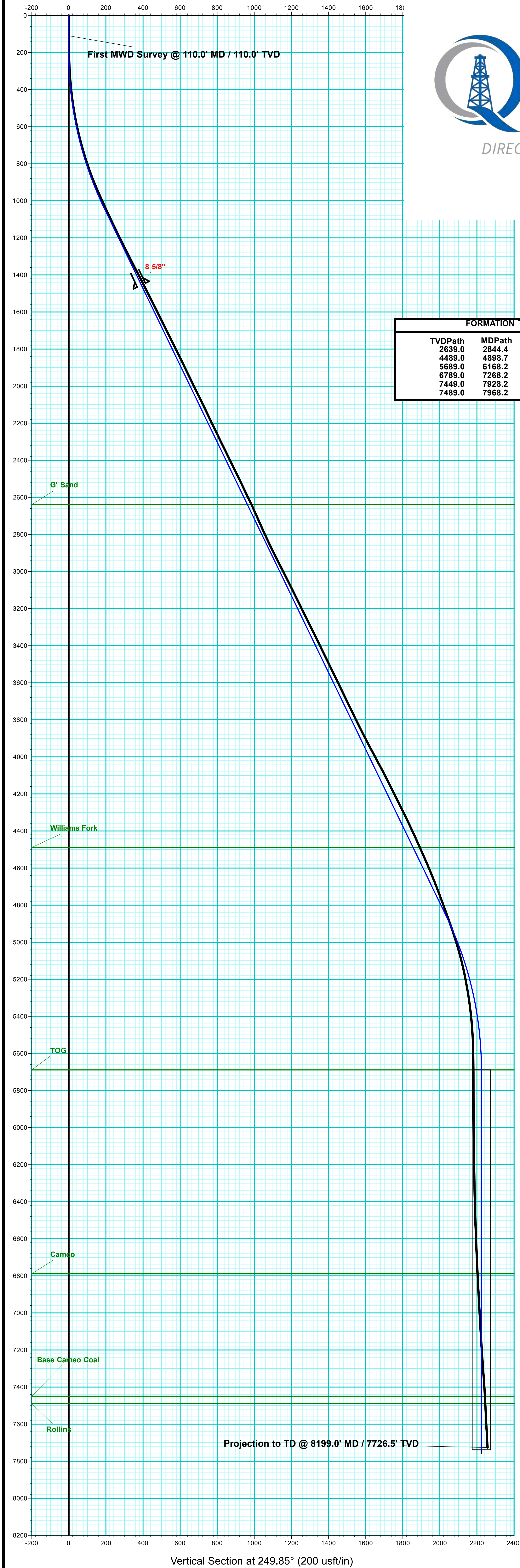
PROJECT DETAILS: Mesa County, CO
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Central Zone
System Datum: Mean Sea Level

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Azimuths to True North
Magnetic North: 9.54°

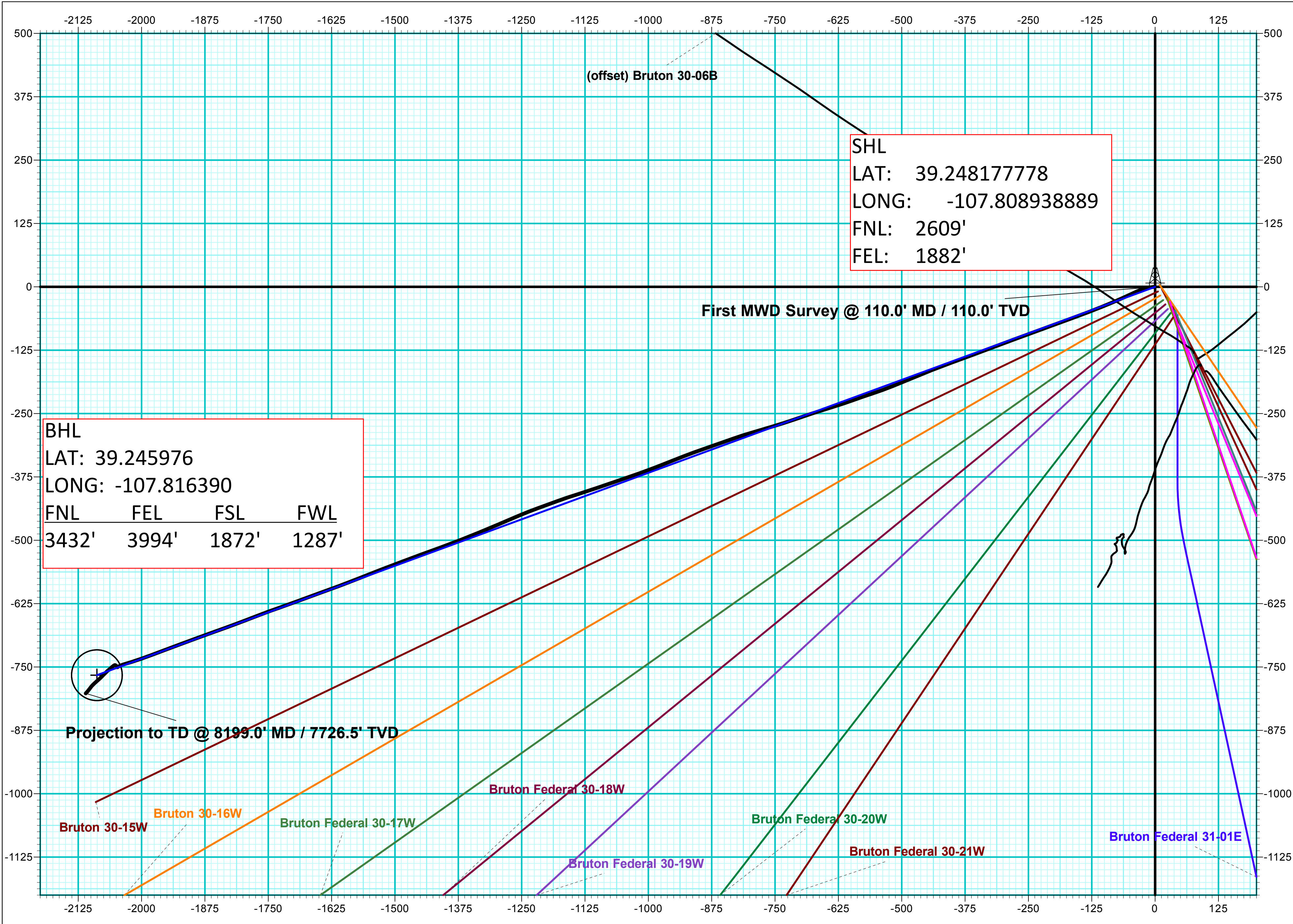
Strength: 51357.7snT
Dip Angle: 65.41°
Date: 11/22/2017
Model: IGRF2015



WELL DETAILS: Bruton 30-14W					
+N/-S	+E/-W	Northing	Ground Level: Easting	7643.0	Latitude
0.0	0.0	1523592.11	2346192.62	39.248178	Longitude
					-107.808939

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')	
1067.0	25.77	249.85	1038.3	-65.4	-178.3	189.9	189.9	EOB @ 25.77° Inc. / 249.85° Azm	
5309.2	25.77	249.85	4858.7	-700.7	-1809.8	2034.3	2034.3	Drop 3° / 100'	
6168.2	0.00	0.00	5689.0	-766.1	-2088.1	2224.2	2224.2	EOD @ Vertical	
8218.2	0.00	0.00	7739.0	-766.1	-2088.1	2224.2	2224.2	TD @ 8218.2' MD / 7739.0' TVD	

DESIGN TARGET DETAILS									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL - Bruton 30-14W	7739.0	-766.1	-2088.1	1522879.30	2344085.74	39.246074	-107.816312	Circle (Radius: 50.0)	



ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
110.0	0.50	252.50	110.0	-0.1	-0.5	0.5	0.5	First MWD Survey @ 110.0' MD / 110.0' TVD	
8199.0	3.40	224.50	7726.5	-802.0	-2110.2	2257.5	2270.1	Projection to TD @ 8199.0' MD / 7726.5' TVD	