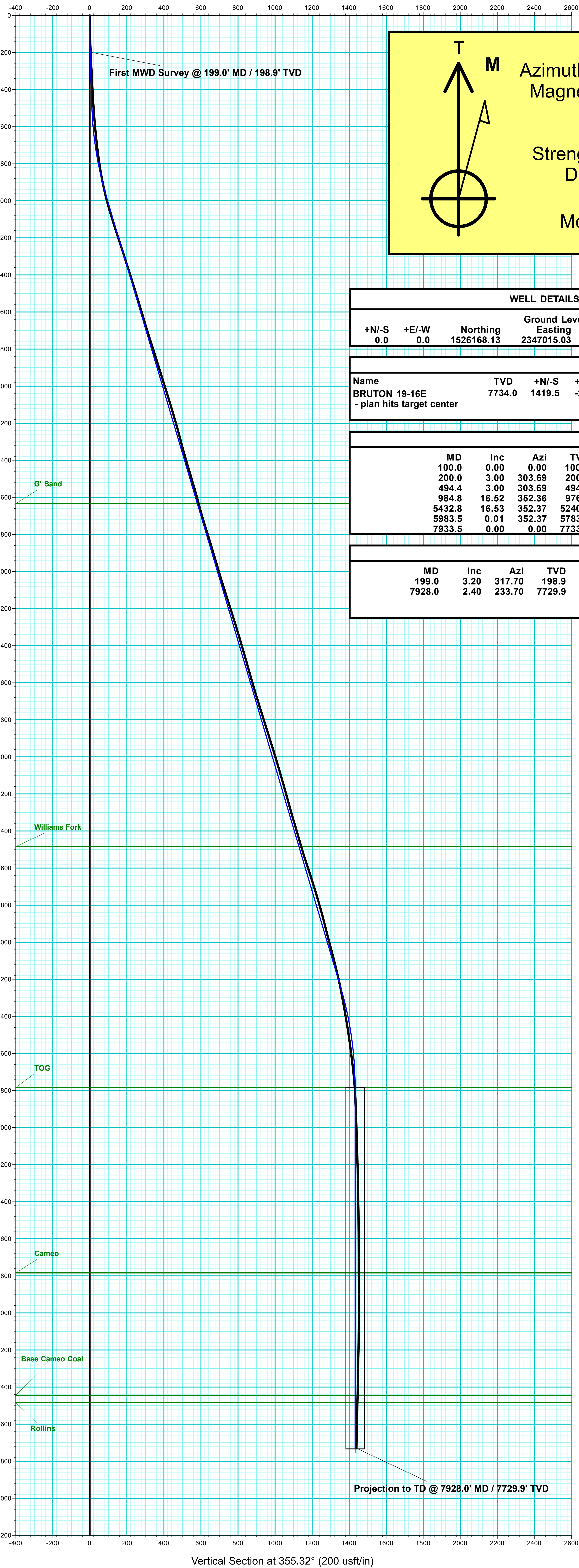


Bruton 19-16E  
Mesa County, CO  
Q170940 & RM-170797  
Design #2

Company Name: Laramie Energy, LLC  
Bruton 19-16E  
Mesa County, CO  
Rig: H&P #290  
Created By: Will Jircik  
Date: 8/5/2017

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



WELL DETAILS: Bruton 19-16E						
+N/-S	+E/-W	Northing	Ground Level: 7425.0	Easting	Latitude	Longitude
0.0	0.0	1526168.13	2347015.03	39.255306	-107.806267	

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
BRUTON 19-16E	7734.0	1419.5	-213.6	1527592.62	2346837.54	39.259203	-107.807021	Circle (Radius: 50.0)
- plan hits target center								

Design #2									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
200.0	3.00	303.69	200.0	1.5	-2.2	1.6	2.6	EOB @ 3° Inc. / 303.69° Azm	
494.4	3.00	303.69	494.0	10.0	-15.0	11.2	18.0	Build 3° / 100'	
984.8	16.52	352.36	976.5	86.6	-35.1	89.2	98.4	EOB @ 16.52° Inc. / 352.37° Azm	
5432.8	16.53	352.37	5240.6	1341.3	-203.1	1353.4	1364.2	Drop 3° / 100'	
5983.5	0.01	352.37	5783.7	1419.5	-213.6	1432.2	1443.1	EOD @ Vertical	
7933.5	0.00	0.00	7733.7	1419.5	-213.6	1432.2	1443.1	TD @ 7934' MD / 7734' TVD	

ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation	
199.0	3.20	317.70	198.9	4.1	-3.7	4.4	5.6	First MWD Survey @ 199.0' MD / 198.9' TVD	
7928.0	2.40	233.70	7729.9	1425.9	-221.4	1439.2	1488.2	Projection to TD @ 7928.0' MD / 7729.9' TVD	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2634.0	2713.7	G' Sand
4484.0	4643.5	Williams Fork
5784.0	5983.8	TOG
6784.0	6983.8	Cameo
7444.0	7643.8	Base Cameo Coal
7484.0	7683.8	Rollins

