

CC 0697-03-12E
Garfield County, CO
Q180634 & RM-180546
Design #3

Company Name: Laramie Energy, LLC
CC 0697-03-12E
Garfield County, CO
Rig: 30' RKB
Created By: Will Jircik
Date: 06/01/2018

PROJECT DETAILS: Garfield 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

T

M

Azimuths to True North
Magnetic North: 9.63°

Strength: 51411.0snT
Dip Angle: 65.59°
Date: 5/16/2018
Model: USER DEFINED



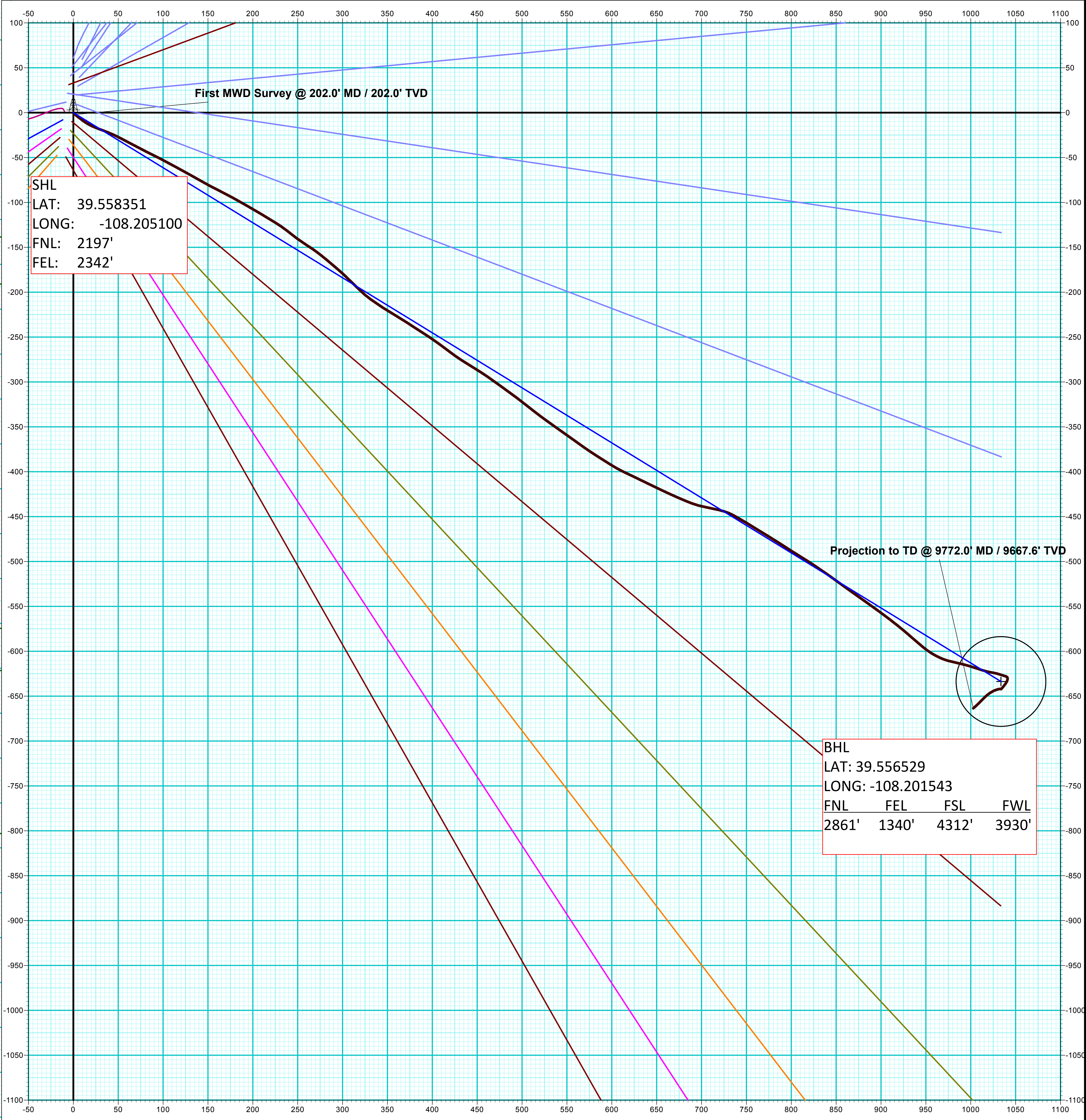
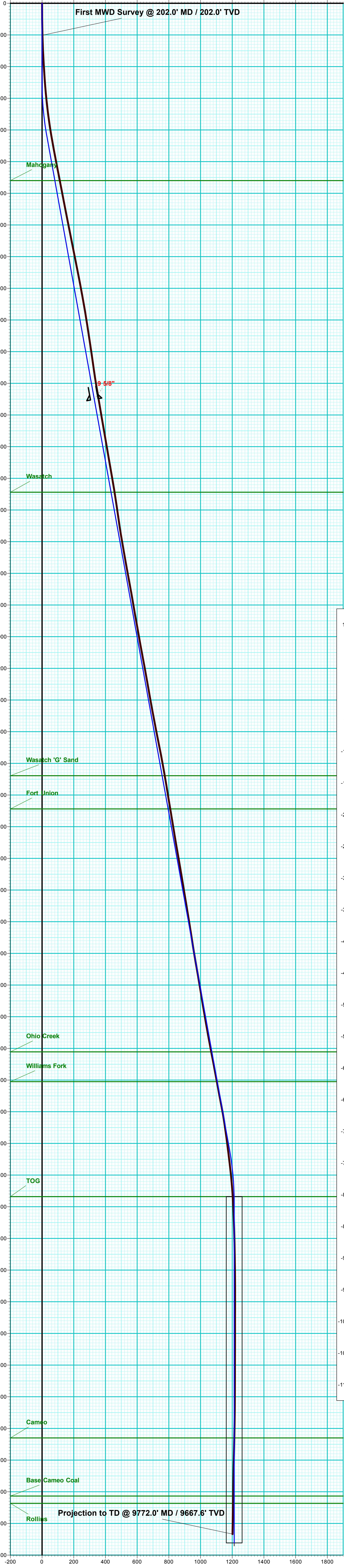
FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
1120.0	1126.3	Mahogany
3088.0	3126.0	Wasatch
4878.0	4944.8	Wasatch 'G' Sand
5088.0	5155.2	Fort Union
6622.0	6716.9	Ohio Creek
6810.0	6907.9	Williams Fork
7536.0	7642.5	TOG
9060.0	9166.5	Cameo
9427.0	9533.5	Base Cameo Coal
9473.0	9579.5	Rollins

DESIGN TARGET DETAILS								
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - CC 0697-03-12E	9723.0	-633.7	1033.7	1638948.06	2238422.79	39.556611	-108.201434	Circle (Radius: 50.0)

DESIGN ANNOTATIONS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.0	KOP (Build 3° / 100')	
840.3	10.21	121.51	838.5	-15.8	25.8	30.2	30.2	EOB @ 10.21° Inc. / 121.51° Azm	
7339.2	10.21	121.51	7234.5	-617.9	1007.9	1182.2	1182.2	Drop 3° / 100'	
7679.5	0.00	0.00	7573.0	-633.7	1033.7	1212.5	1212.5	EOD @ Vertical	
9829.5	0.00	0.00	9723.0	-633.7	1033.7	1212.5	1212.5	TD @ 9829.5' MD / 9723.0' TVD	

ANNOTATIONS								
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSec	Departure	Annotation
202.0	1.60	136.90	202.0	-2.1	1.9	2.7	2.8	First MWD Survey @ 202.0' MD / 202.0' TVD
9772.0	3.60	228.20	9667.6	-663.5	1002.9	1197.3	1280.9	Projection to TD @ 9772.0' MD / 9667.6' TVD

WELL DETAILS: CC 0697-03-12E							
				8428.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		
0.0	0.0	1639612.22	2237408.43	39.558351	-108.205100		



Vertical Section at 121.51° (200 usft/in)