

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	

WELL DETAILS: CC 0697-03-22E							
				8613.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude		B-10
0.0	0.0	1636269.73	2235891.29	39.549054	-108.210125		

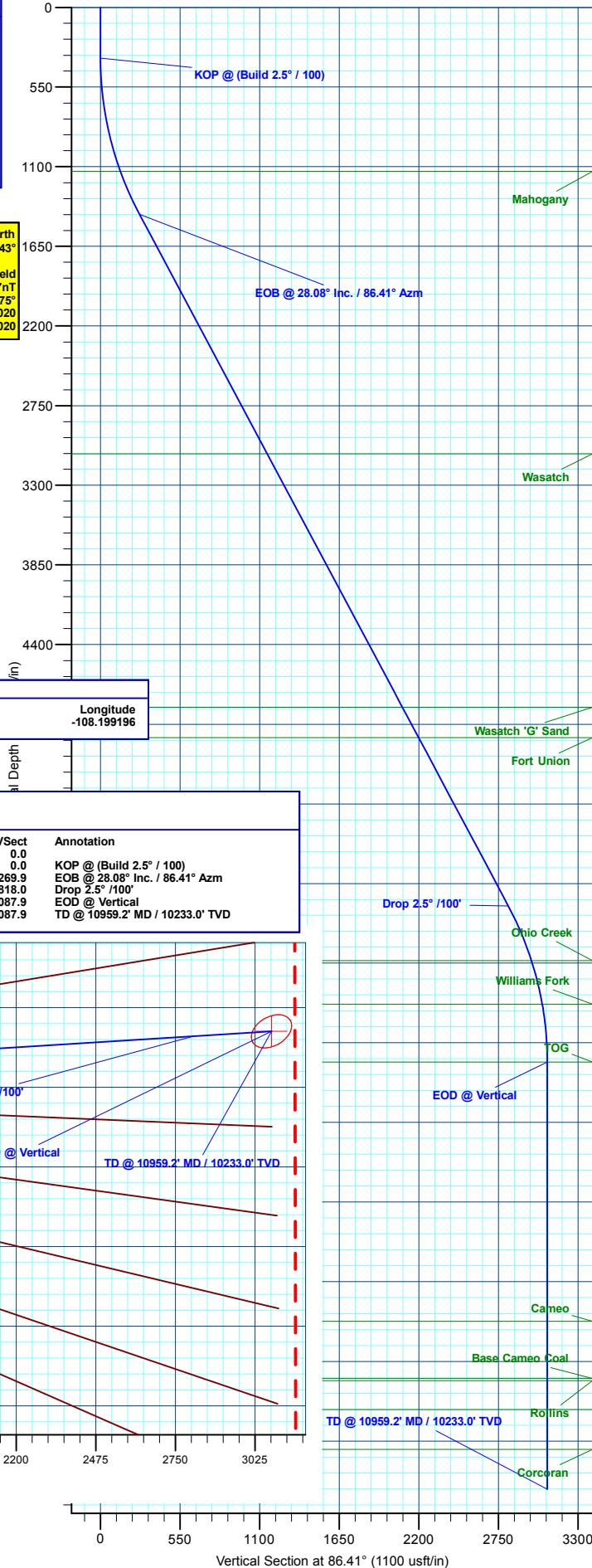
Project: Garfield County, CO
Site: CC 603-23-32 Pad
Well: CC 0697-03-22E
Wellbore: Wellbore #1
Design: Design #2
Latitude: 39.549054
Longitude: -108.210125
Ground Level: 8613.0
RKB @ 8643.0usft (H&P #522)

FORMATION TOP DETAILS		
TVDPATH	MDPATH	FORMATION
1133.0	1149.1	Mahogany
3083.0	3348.2	Wasatch
4833.0	5331.8	Wasatch 'G' Sand
5043.0	5569.8	Fort Union
6583.0	7297.9	Ohio Creek
6883.0	7607.2	Williams Fork
7283.0	8009.2	TOG
9073.0	9799.2	Cameo
9468.0	10194.2	Base Cameo Coal
9483.0	10209.2	Rollins
9683.0	10409.2	Cozzette
9958.0	10684.2	Corcoran

REFERENCE INFORMATION	
Co-ordinate (N/E) Reference: Well CC 0697-03-22E - Slot B-10, True North	
Vertical (TVD) Reference: RKB @ 8643.0usft (H&P #522)	
Section (VS) Reference: Slot - B-10(0.0N, 0.0E)	
Measured Depth Reference: RKB @ 8643.0usft (H&P #522)	
Calculation Method: Minimum Curvature	

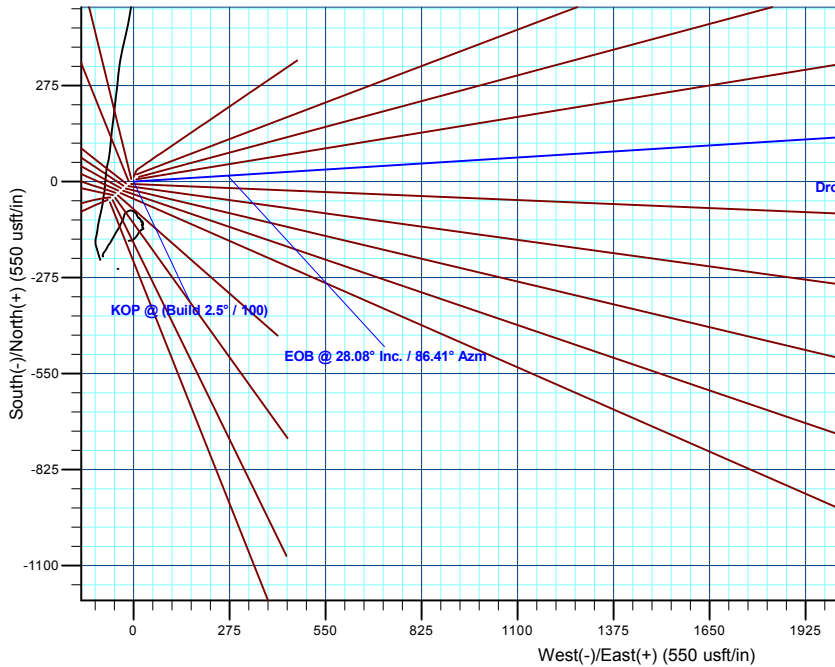
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 Azimuths to True North
 Magnetic North: 9.43°
 Magnetic Field
 Strength: 51296.7nT
 Dip Angle: 65.75°
 Date: 10/30/2020
 Model: HDGM2020



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
03-22E - PBHL	10233.0	193.2	3081.8	1636370.88	2238977.50	39.549584	-108.199196

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	KOP @ (Build 2.5° / 100)	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	EOB @ 28.08° Inc. / 86.41° Azm	
1473.4	28.09	86.41	1429.0	16.9	269.3	2.50	86.41	269.9	Drop 2.5° / 100'	
6885.8	28.09	86.41	6204.0	176.3	2812.5	0.00	0.00	2818.0	EOD @ Vertical	
8009.2	0.00	0.00	7283.0	193.2	3081.8	2.50	180.00	3087.9	EOD @ Vertical	
10959.2	0.00	0.00	10233.0	193.2	3081.8	0.00	0.00	3087.9	TD @ 10959.2' MD / 10233.0' TVD	



Plan: Design #2 (CC 0697-03-22E/Wellbore #1)
Created By: Will Jircik **Date: 13:06, November 09 2020**

Vertical Section at 86.41° (1100 usft/in)