

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

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well CC 0697-10-12E - Slot B-8, True North
Vertical (TVD) Reference: RKB @ 8533.0usft (H&P #522)
Section (VS) Reference: Slot - B-8(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8533.0usft (H&P #522)
Calculation Method: Minimum Curvature

Project: Garfield County, CO
Site: CC 0604-15-08 Pad
Well: CC 0697-10-12E
Wellbore: B-8
Design: Design #1
Latitude: 39.526176
Longitude: -108.199056
Ground Level: 8503.0
RKB @ 8533.0usft (H&P #522)

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		
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	Build 2.5° / 100°	
1080.0	22.00	346.00	1058.5	161.9	-40.4	2.50	346.00	162.1	EOB @ 22.00° Inc. / 346.00° Azm	
3000.0	22.00	346.00	2838.7	859.8	-214.4	0.00	0.00	860.9	Build 2.5° / 100°	
3461.3	29.57	6.30	3254.6	1057.4	-222.8	2.50	58.91	1058.6	EOB @ 29.57° Inc. / 6.30° Azm	
6681.1	29.57	6.30	6055.2	2636.6	-48.3	0.00	0.00	2636.8	Drop 2.5° / 100°	
7863.7	0.00	0.00	7186.0	2933.2	-15.6	2.50	180.00	2933.2	EOD @ Vertical	
10550.7	0.00	0.00	9873.0	2933.2	-15.6	0.00	0.00	2933.2	TD @ 10550.7° MD / 9873.0° TVD	

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
10-12E - PBHL	9873.0	2933.2	-15.6	1630779.66	2238835.31	39.534229
						Longitude
						-108.199111

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
770.0	776.0	Mahogany
2738.0	2891.4	Wasatch
4738.0	5166.8	Wasatch 'G' Sand
4948.0	5408.2	Fort Union
6272.0	6923.6	Ohio Creek
6460.0	7125.0	Williams Fork
7186.0	7863.7	TOG
8710.0	9387.7	Cameo
9108.0	9785.7	Base Cameo Coal
9123.0	9800.7	Rollins
9373.0	10050.7	Cozzette
9593.0	10270.7	Corcoran



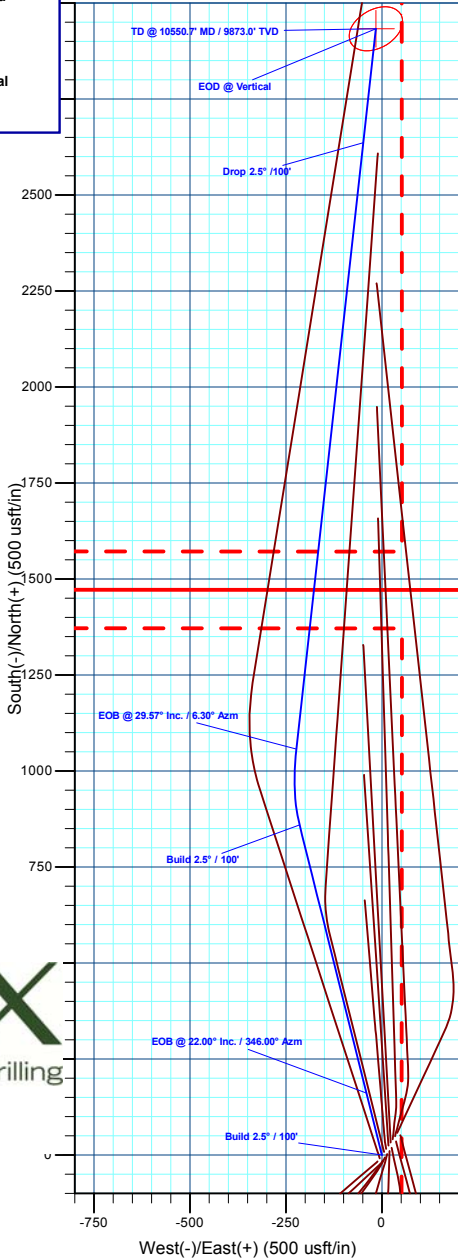
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Azimuths to True North
Magnetic North: 9.40°
Magnetic Field
Strength: 51318.5nT
Dip Angle: 65.72°
Date: 12/3/2020
Model: HDGM2020



WELL DETAILS: CC 0697-10-12E						
+N/-S	+E/-W	Northing	Easting	8503.0	Latitude	Longitude
0.0	0.0	1627847.32	2238763.75		39.526176	-108.199056
						B-8

Plan: Design #1 (CC 0697-10-12E/B-8)
Created By: Will Jircik Date: 8:34, June 02 2021

