

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 0697-10-13E - Slot B-7, True North
Vertical (TVD) Reference: RKB @ 8533.0usft (H&P #522)
Section (VS) Reference: Slot - B-7(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 0697-10-13E
Wellbore: B-7
Design: Design #2
Latitude: 39.526199
Longitude: -108.199036
Ground Level: 8503.0
RKB @ 8533.0usft (H&P #522)

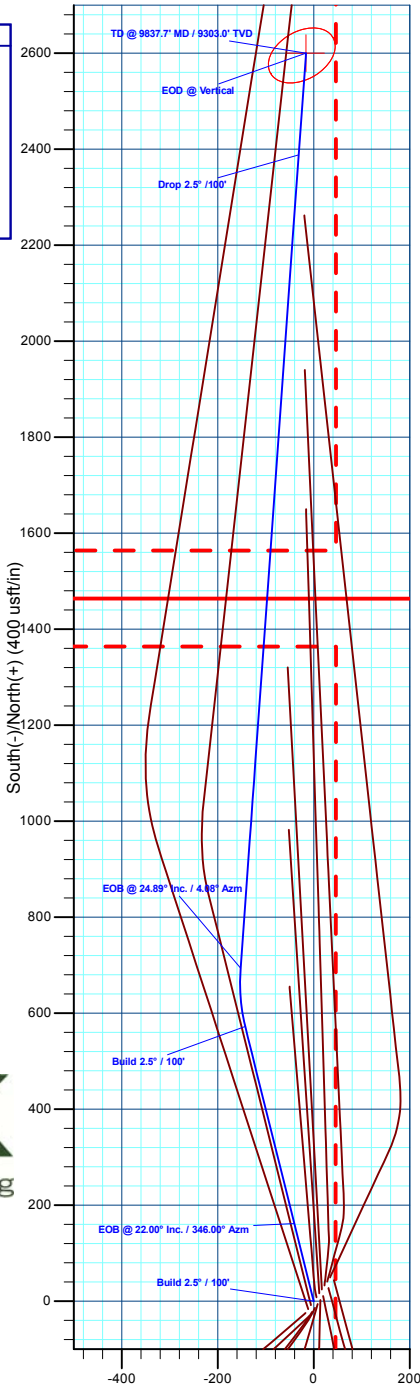
SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	Build 2.5° / 100'
1230.0	22.00	346.00	1208.5	161.9	-40.4	2.50	346.00	162.2	EOB @ 22.00° Inc. / 346.00° Azm
2360.0	22.00	346.00	2256.3	572.7	-142.8	0.00	0.00	573.5	Build 2.5° / 100'
2668.6	24.89	4.08	2539.7	693.7	-152.2	2.50	76.61	694.6	EOB @ 24.89° Inc. / 4.08° Azm
6705.3	24.89	4.08	6201.5	2388.1	-31.3	0.00	0.00	2388.3	Drop 2.5° / 100'
7700.7	0.00	0.00	7166.0	2600.4	-16.2	2.50	180.00	2600.4	EOB @ Vertical
9837.7	0.00	0.00	9303.0	2600.4	-16.2	0.00	0.00	2600.4	TD @ 9837.7° MD / 9303.0° TVD

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
10-13E - PBHL	9303.0	2600.4	-16.2	1630455.11	2238830.74	39.533338
						Longitude
						-108.199093

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
750.0	752.1	Mahogany
2718.0	2865.1	Wasatch
4718.0	5069.9	Wasatch 'G' Sand
4928.0	5301.4	Fort Union
6252.0	6760.6	Ohio Creek
6440.0	6962.0	Williams Fork
7166.0	7700.7	TOG
8690.0	9224.7	Cameo
9088.0	9622.7	Base Cameo Coal
9103.0	9637.7	Rollins



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 0697-10-13E						
+N/-S	+E/-W	Northing	Easting	8503.0	Latitude	Longitude
0.0	0.0	1627855.38	2238769.66		39.526199	-108.199036
						B-7

Plan: Design #2 (CC 0697-10-13E/B-7)
Created By: Will Jircik Date: 8:44, June 02 2021

