

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 0697-10-14E - Slot B-1, True North  
Vertical (TVD) Reference: RKB @ 8533.0usft (H&P #522)  
Section (VS) Reference: Slot - B-1(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 0697-10-14E  
Wellbore: B-1  
Design: Design #2  
Latitude: 39.526335  
Longitude: -108.198915  
Ground Level: 8503.0  
RKB @ 8533.0usft (H&P #522)

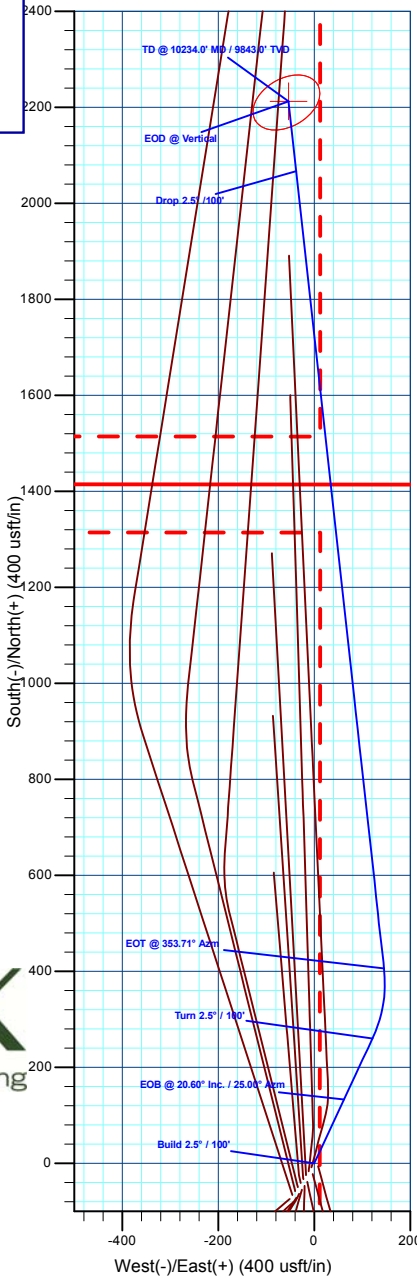
SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
315.0	0.00	0.00	315.0	0.0	0.0	0.00	0.00	0.0	Build 2.5° / 100°
1139.0	20.60	25.00	1121.4	132.8	61.9	2.50	25.00	131.3	EOB @ 20.60° Inc. / 25.00° Azm
1539.0	20.60	25.00	1495.8	260.4	21.4	0.00	0.00	257.3	Turn 2.5° / 100°
1974.5	20.60	353.71	1904.7	406.4	145.5	2.50	-104.70	402.8	EOT @ 353.71° Azm
6723.1	20.60	353.71	6349.7	2067.0	-37.5	0.00	0.00	2067.3	Drop 2.5° / 100°
7547.0	0.00	0.00	7156.0	2212.6	-53.6	2.50	180.00	2213.2	EOD @ Vertical
10234.0	0.00	0.00	9843.0	2212.6	-53.6	0.00	0.00	2213.2	TD @ 10234.0' MD / 9843.0' TVD

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
10-14E - PBHL	9843.0	2212.6	-53.6	1630116.98	2238817.31	39.532409
						Longitude
						-108.199105

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
740.0	742.5	Mahogany
2708.0	2832.7	Wasatch
4708.0	4969.3	Wasatch 'G' Sand
4918.0	5193.6	Fort Union
6242.0	6608.0	Ohio Creek
6430.0	6808.3	Williams Fork
7156.0	7547.0	TOG
8680.0	9071.0	Cameo
9078.0	9469.0	Base Cameo Coal
9093.0	9484.0	Rollins
9343.0	9734.0	Cozzette
9563.0	9954.0	Corcoran



**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 0697-10-14E						
+N/-S	+E/-W	Northing	Easting	8503.0	Latitude	Longitude
0.0	0.0	1627903.77	2238805.14		39.526335	-108.198915
						B-1

Plan: Design #2 (CC 0697-10-14E/B-1)  
Created By: Will Jircik Date: 8:51, June 02 2021

