

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 0697-10-01W							
+N/-S	+E/-W	Northing	Easting	8595.0	Latitude	Longitude	B-2
0.0	0.0	1634531.57	2236720.22		39.544352	-108.207003	

Project: Garfield County, CO
 Site: CC 0610-21-41 Pad
 Well: CC 0697-10-01W
 Wellbore: Wellbore #1
 Design: Design #3
 Latitude: 39.544352
 Longitude: -108.207003
 Ground Level: 8595.0
 RKB @ 8625.0usft (H&P #522)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
894.0	897.2	Mahogany
2862.0	2884.6	Wasatch
4652.0	4682.1	Wasatch 'G' Sand
4862.0	4892.1	Fort Union
6396.0	6426.1	Ohio Creek
6584.0	6614.1	Williams Fork
7310.0	7340.1	TOG
8834.0	8864.1	Cameo
9232.0	9262.1	Base Cameo Coal
9247.0	9277.1	Rollins

REFERENCE INFORMATION
Co-ordinate (N/E) Reference: Well CC 0697-10-01W - Slot B-2, True North
Vertical (TVD) Reference: RKB @ 8625.0usft (H&P #522)
Section (VS) Reference: Slot - B-2(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8625.0usft (H&P #522)
Calculation Method: Minimum Curvature

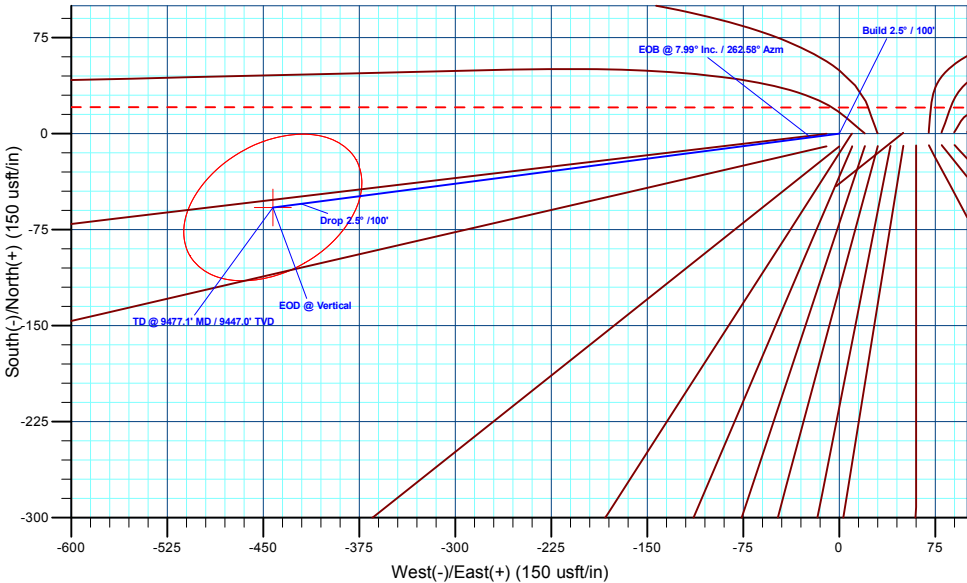
Azimuths to True North
 Magnetic North: 9.50°

 Magnetic Field
 Strength: 51376.1nT
 Dip Angle: 65.77°
 Date: 2/18/2020
 Model: HDGM2020



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - CC 0697-10-01W	9447.0	-57.6	-442.5	1634487.15	2236276.25	39.544194	-108.208572

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'
669.8	8.00	262.58	668.8	-2.9	-22.1	2.50	262.58	22.3	EOB @ 7.99° Inc. / 262.58° Azm
3557.3	8.00	262.58	3528.2	-54.8	-420.4	0.00	0.00	423.9	Drop 2.5° / 100'
3877.1	0.00	0.00	3847.0	-57.6	-442.5	2.50	180.00	446.2	EOD @ Vertical
9477.1	0.00	0.00	9447.0	-57.6	-442.5	0.00	0.00	446.2	TD @ 9477.1' MD / 9447.0' TVD



Plan: Design #3 (CC 0697-10-01W/Wellbore #1)

Created By: Will Jircik Date: 11:33, April 09 2020

