

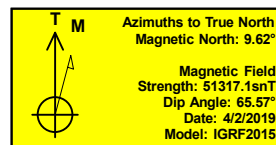
Project: Garfield County, CO
 Site: CC 0697-03-07 Pad
 Well: CC Federal 0697-03-03E
 Wellbore: A-1
 Design: Design #4
 Latitude: 39.558514
 Longitude: -108.205065
 Ground Level: 8428.0
 WELL @ 8458.0usft (30' RKB)

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 Federal 0697-03-03E, True North
 Vertical (TVD) Reference: WELL @ 8458.0usft (30' RKB)
 Section (VS) Reference: Slot - (0.0N, 0.0E)
 Measured Depth Reference: WELL @ 8458.0usft (30' RKB)
 Calculation Method: Minimum Curvature



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - CC Federal 0697-03-03E	10298.0	1300.4	1672.2	1640921.43	2239130.23	39.562084	-108.199134

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	
400.0	0.00	0.00	400.0	0.0	0.0	0.00	0.00	0.0	KOP (Build 2' / 100')
1383.7	19.67	52.13	1364.5	102.7	132.0	2.00	52.13	167.2	EOB @ 19.67° Inc. / 52.13° Azm
6682.0	19.67	52.13	6353.5	1197.8	1540.1	0.00	0.00	1951.1	Drop 2' / 100'
7665.8	0.00	0.00	7318.0	1300.4	1672.2	2.00	180.00	2118.3	EOD @ Vertical
10645.8	0.00	0.00	10298.0	1300.4	1672.2	0.00	0.00	2118.3	TD @ 10645.8' MD / 10298.0' TVD

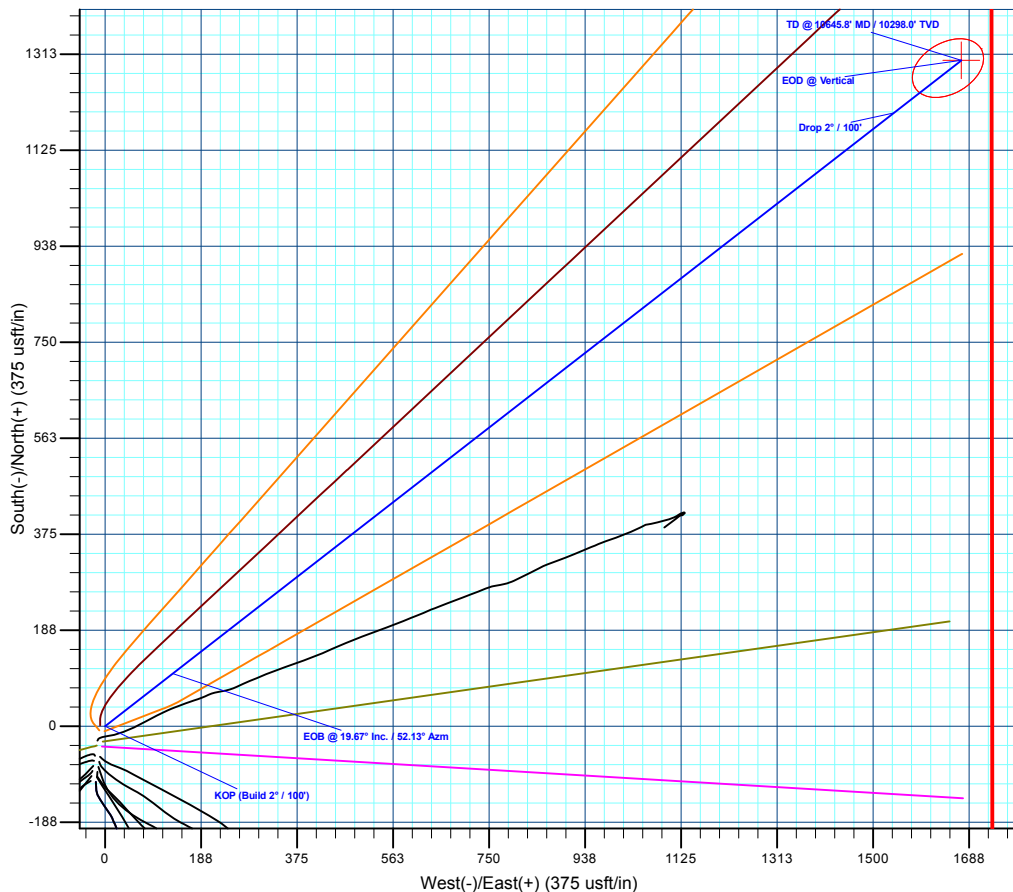
FORMATION TOP DETAILS

TVDPPath	MDPath	Formation
1169.0	1178.5	Mahogany
3103.0	3230.0	Wasatch
4718.0	4945.1	Wasatch 'G' Sand
5094.0	5344.4	Fort Union
6598.0	6937.9	Ohio Creek
6783.0	7127.6	Williams Fork
7318.0	7665.8	TOG
9112.0	9459.8	Cameo
9508.0	9855.8	Base Cameo Coal
9518.0	9855.8	Rollins
9758.0	10105.8	Cozzette
9998.0	10345.8	Corcoran
10298.0	10645.8	TD



WELL DETAILS: CC Federal 0697-03-03E

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1639671.36	2237420.10	39.558514	-108.205065



Plan: Design #4 (CC Federal 0697-03-03E/A-1)

Created By: Will Jircik

Date: 8:37, April 08 2019