



Project: Mesa County, CO  
Site: Hayward 0993 25-09 Pad  
Well: Hayward 0993-25-16E  
Wellbore: A-6  
Design: Design #3  
Latitude: 39.244833  
Longitude: -107.715906  
Ground Level: 8007.0  
RKB @ 8037.0usft (H&P #522)



PROJECT DETAILS: Mesa 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

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Diag	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	KOP / Build 3° / 100'
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	EOB @ 10.00° Inc. / 195.00° Azm / Build 3° / 100'
583.3	10.00	195.00	581.6	-28.0	-7.5	3.00	195.00	22.4	EOB @ 26.33° Inc. / 173.45° Azm
1163.1	26.33	173.45	1131.1	-205.7	-5.9	3.00	-33.02	184.8	Drop 3° / 100'
6137.9	26.33	173.45	5589.9	-2397.8	245.6	0.00	0.00	2284.0	EOD @ Vertical
7015.6	0.00	0.00	6437.0	-2594.6	268.2	3.00	180.00	2472.5	TD @ 8965.6' MD / 8387.0' TVD
8965.6	0.00	0.00	8387.0	-2594.6	268.2	0.00	0.00	2472.5	

DESIGN TARGET DETAILS

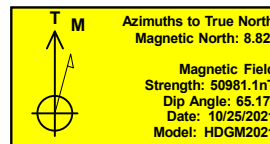
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Hayward 0993-25-16E	8387.0	-2594.6	268.2	1519117.77	2372705.96	39.237709	-107.714959

WELL DETAILS: Hayward 0993-25-16E

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	1521718.19	2372501.10	39.244833	-107.715906

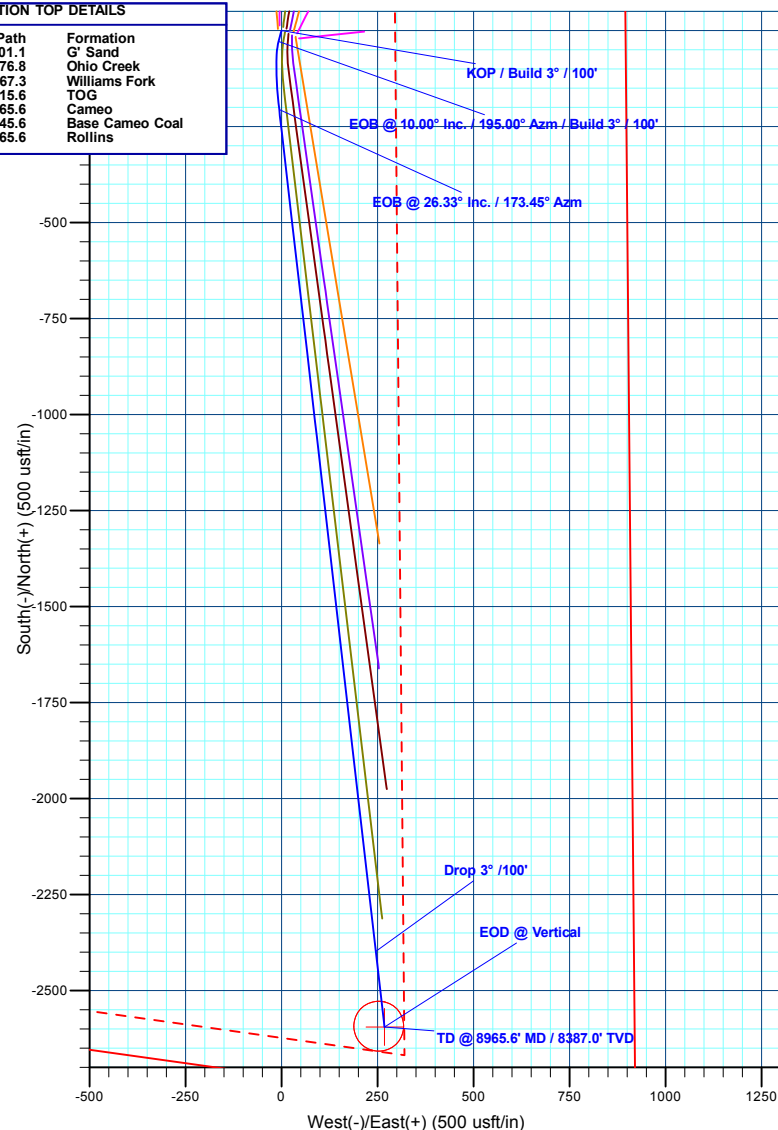
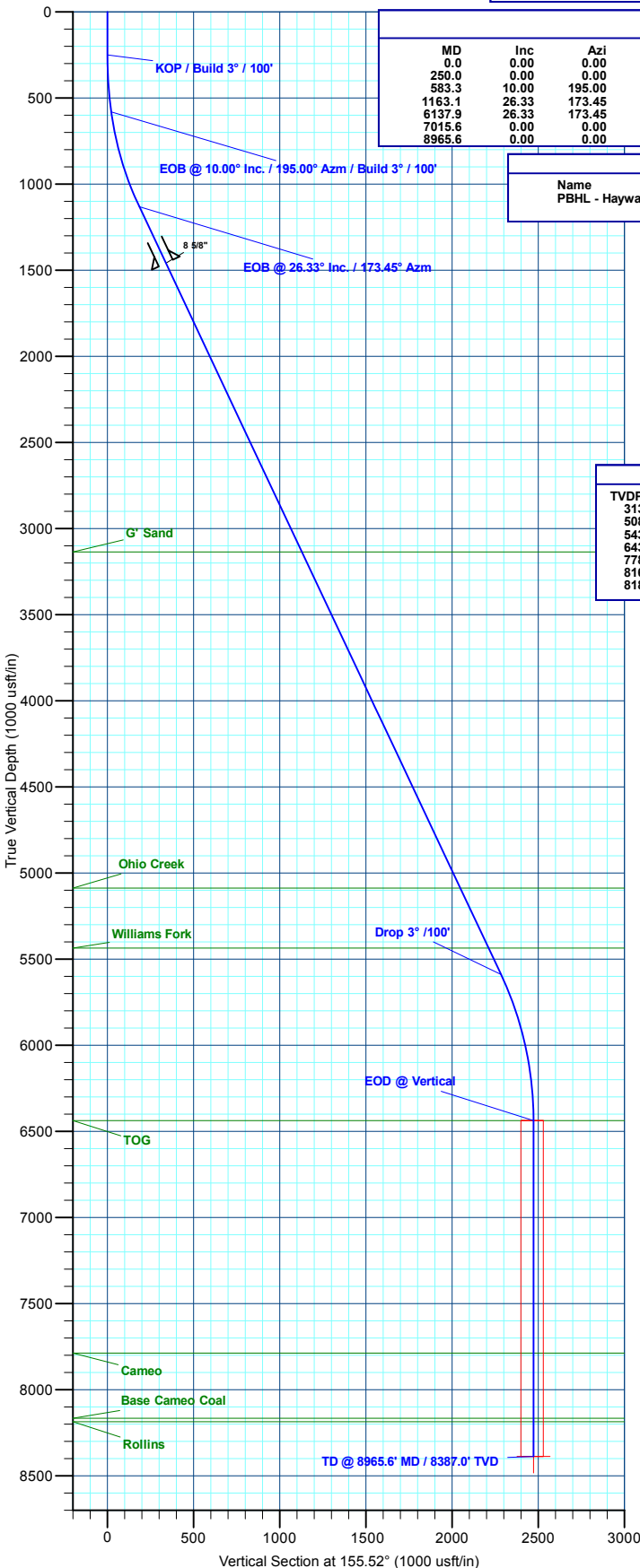
REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Hayward 0993-25-16E, True North  
Vertical (TVD) Reference: RKB @ 8037.0usft (H&P #522)  
Section (VS) Reference: Slot - (0.0N, 0.0E)  
Measured Depth Reference: RKB @ 8037.0usft (H&P #522)  
Calculation Method: Minimum Curvature



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3137.0	3401.1	G' Sand
5087.0	5576.8	Ohio Creek
5437.0	5967.3	Williams Fork
6437.0	7015.6	TOG
7787.0	8365.6	Cameo
8167.0	8745.6	Base Cameo Coal
8187.0	8765.6	Rollins



Plan: Design #3 (Hayward 0993-25-16E/A-6)

Created By: Will Jircik Date: 9:58, October 25 2021