

Project: Mesa County, CO  
 Site: Laramie 0993-29-01  
 Well: Laramie 0993-20-11E  
 Wellbore: OH  
 Design: Design #1  
 Latitude: 39.254781  
 Longitude: -107.784158  
 Ground Level: 7463.0  
 RKB=30' @ 7493.0usft (TBD)

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

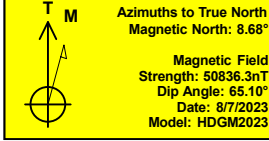
REFERENCE INFORMATION  
 Vertical (TVD) Reference: RKB=30' @ 7493.0usft (TBD)  
 Section (VS) Reference: Slot - A-1(0.0N, 0.0E)  
 Measured Depth Reference: RKB=30' @ 7493.0usft (TBD)  
 Calculation Method: Minimum Curvature

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	KOP (Build 2.5° / 100)
400.0	5.00	355.00	399.7	8.7	-0.8	2.50	355.00	7.6	EOB @ 5.00° Inc. / 355.00° Azm / Build 2.5° / 100'
1695.0	36.60	324.66	1596.6	390.0	-235.3	2.50	-34.23	454.6	EOB @ 36.60° Inc. / 324.66° Azm
5582.6	36.60	324.66	4717.4	2281.0	-1576.1	0.00	0.00	2772.6	Drop 2.5° / 100'
7046.7	0.00	0.00	6084.0	2649.8	-1837.6	2.50	180.00	3224.6	EOD @ Vertical
8821.7	0.00	0.00	7859.0	2649.8	-1837.6	0.00	0.00	3224.6	TD @ 8821.7' MD / 7859.0' TVD

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2708.0	3079.5	Wasatch 'G' Sand
3190.0	3679.9	Fort Union
3870.0	4527.0	Lower Wasatch
4653.0	5502.3	Ohio Creek
5061.0	5986.3	Williams Fork
6084.0	7046.7	TOG
7283.0	8245.7	Cameo
7609.0	8571.7	Rollins

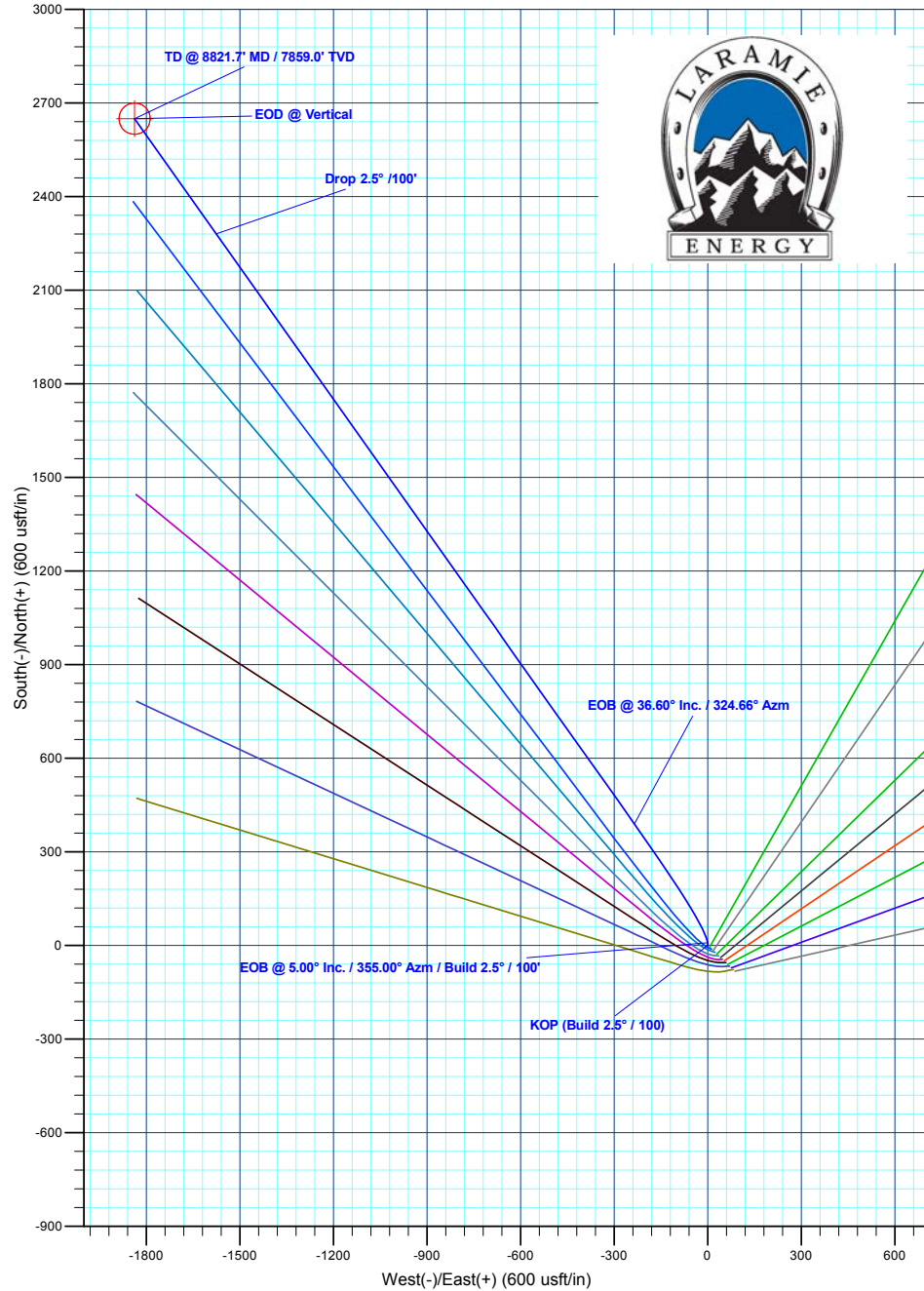
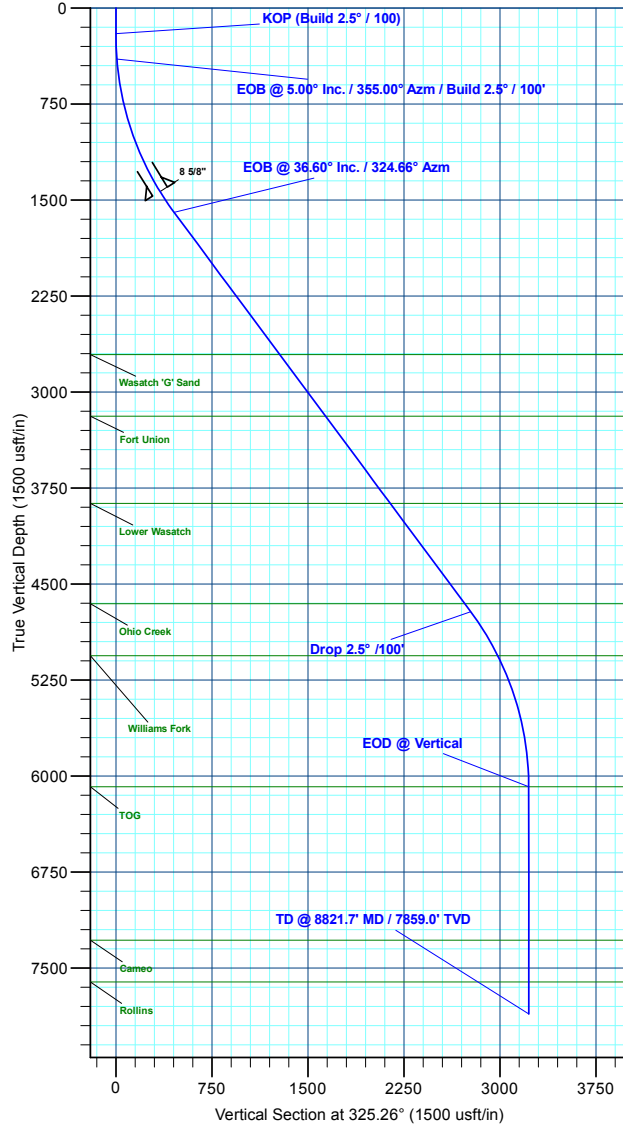


DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
PBHL - Laramie 20-7859.0	7859.0	2649.8	-1837.6	1528514.10	2351498.27	39.262056	-107.790648

WELL DETAILS: Laramie 0993-20-11E

+N-S	+E-W	Ground Level	7463.0	Northing	Easting	Latitude	Longitude	A-1
0.0	0.0	1525818.99	2353268.64	39.254781	-107.784158			



Plan: Design #1 (Laramie 0993-20-11E/OH)

Created By: Will Jircik Date: 18:57, August 23 2023