

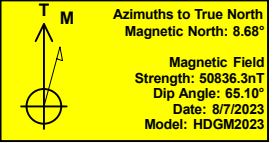
Project: Mesa County, CO  
 Site: Laramie 0993-29-01  
 Well: Laramie 29-01 0993-20-15E  
 Wellbore: OH  
 Design: Design #1  
 Latitude: 39.254660  
 Longitude: -107.783993  
 Ground Level: 7463.0  
 RKB=30' @ 7493.0usft (TBD)

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-9(0.0N, 0.0E)  
 Measured Depth Reference: RKB=30' @ 7493.0usft (TBD)  
 Calculation Method: Minimum Curvature

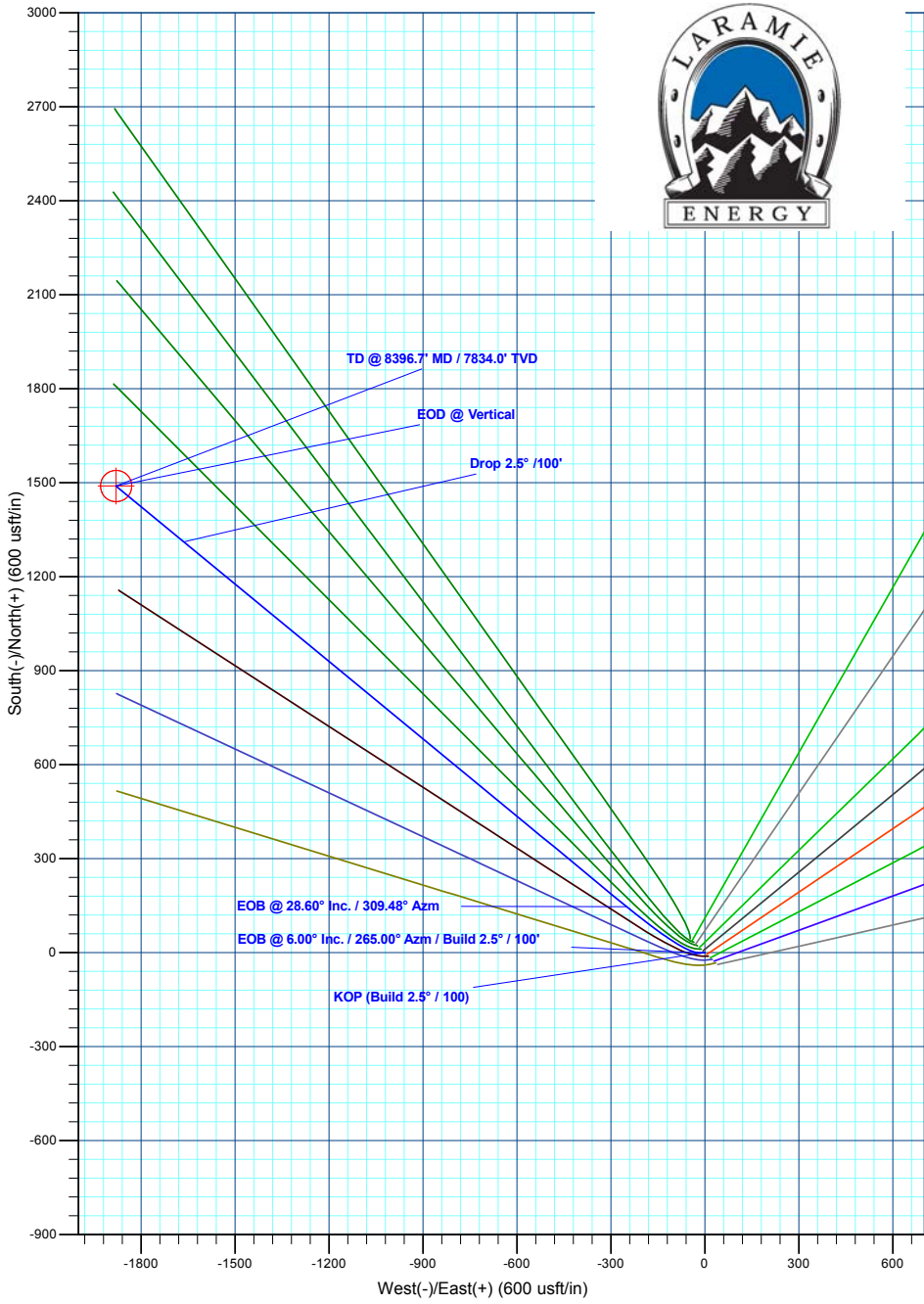
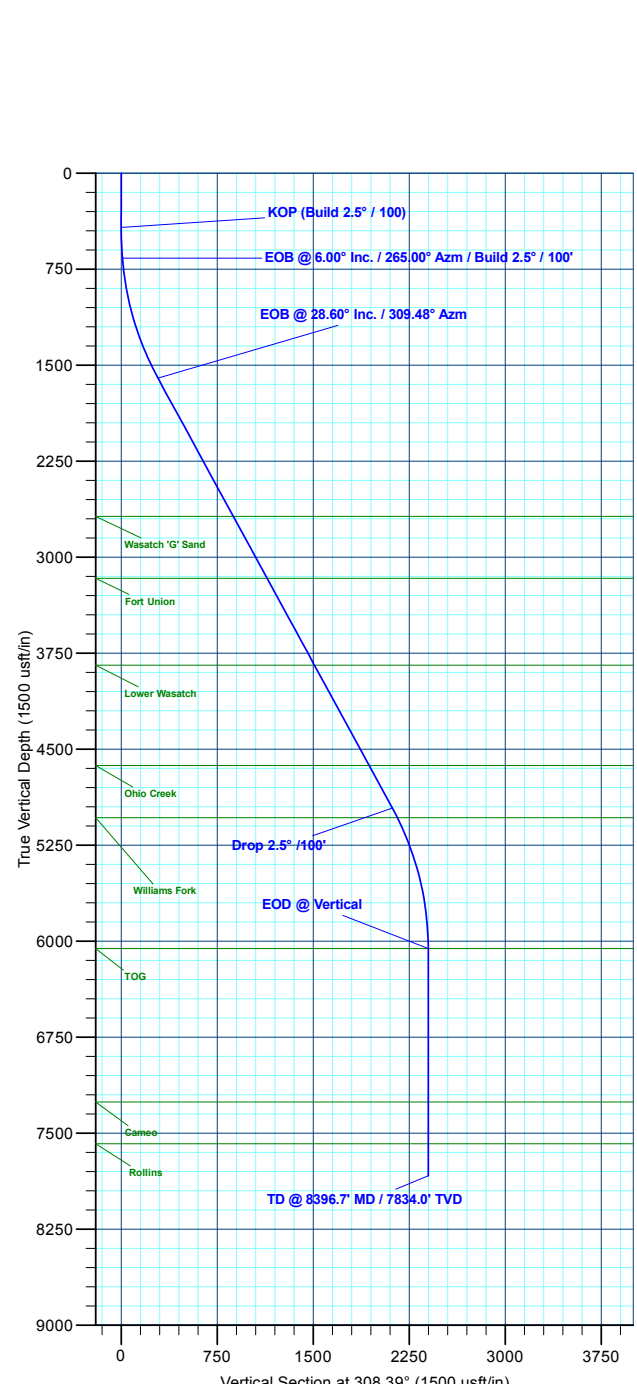
SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	KOP (Build 2.5° / 100')	
425.0	0.00	0.00	425.0	0.0	0.0	0.00	0.00	0.0	EOB @ 6.00° Inc. / 265.00° Azm / Build 2.5° / 100'	
665.0	6.00	265.00	664.6	-1.1	-12.5	2.50	265.00	9.1	EOB @ 28.60° Inc. / 309.48° Azm	
1651.1	28.60	309.48	1602.3	146.8	-249.7	2.50	53.53	286.9	Drop 2.5° / 100'	
5477.6	28.60	309.48	4961.8	1311.5	-1663.7	0.00	0.00	2118.5	EOD @ Vertical	
6621.7	0.00	0.00	6059.0	1489.4	-1879.6	2.50	180.00	2398.1	TD @ 8396.7' MD / 7834.0' TVD	
8396.7	0.00	0.00	7834.0	1489.4	-1879.6	0.00	0.00	2398.1		

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2683.0	2882.0	Wasatch 'G' Sand
3165.0	3431.0	Fort Union
3845.0	4205.6	Lower Wasatch
4828.0	5097.4	Ohio Creek
5036.0	5561.3	Williams Fork
6059.0	6621.7	TOG
7258.0	7820.7	Cameo
7584.0	8146.7	Rollins



DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
PBHL - Laramie 20-7834.0	7463.0	1489.4	-1879.6	1527309.89	2351472.72	39.258749	-107.790631

WELL DETAILS: Laramie 29-01 0993-20-15E						
+N/-S	+E/-W	Ground Level	Easting	Latitude	Longitude	
0.0	0.0	7463.0	2353314.24	39.254660	-107.783993	A-9



Plan: Design #1 (Laramie 29-01 0993-20-15E/OH)  
 Created By: Will Jircik Date: 19:16, August 23 2023