

Project: Mesa County, CO
 Site: Laramie 0993-29-01
 Well: Laramie 0993-20-13E
 Wellbore: OH
 Design: Design #1
 Latitude: 39.254720
 Longitude: -107.784075
 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

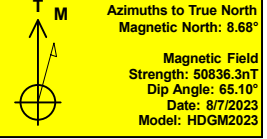
REFERENCE INFORMATION
 Vertical (TVD) Reference: RKB=30' @ 7493.0usft (TBD)
 Section (VS) Reference: Slot - A-5(0.0N, 0.0E)
 Measured Depth Reference: RKB=30' @ 7493.0usft (TBD)
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2698.0	2979.6	Wasatch 'G' Sand
3180.0	3551.9	Fort Union
3860.0	4359.4	Lower Wasatch
4643.0	5239.1	Ohio Creek
5051.0	5765.7	Williams Fork
6074.0	6826.1	TOG
7273.0	8025.1	Cameo
7599.0	8351.1	Rollins

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	V Sect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
290.0	0.00	0.00	290.0	0.0	0.0	0.00	0.00	0.0	KOP (Build 2.5° / 100')
570.0	7.00	288.00	569.3	5.3	-16.2	2.50	288.00	14.7	EOB @ 7.00° Inc. / 288.00° Azm / Build 2.5° / 100'
1646.2	32.63	319.76	1575.1	251.6	-270.8	2.50	38.84	367.6	EOB @ 32.63° Inc. / 319.76° Azm
5520.8	32.63	319.76	4838.2	1846.4	-1620.5	0.00	0.00	2456.7	Drop 2.5° / 100'
6826.1	0.00	0.00	6074.0	2122.6	-1854.2	2.50	180.00	2818.4	EOD @ Vertical
8601.1	0.00	0.00	7849.0	2122.6	-1854.2	0.00	0.00	2818.4	TD @ 8601.1' MD / 7849.0' TVD



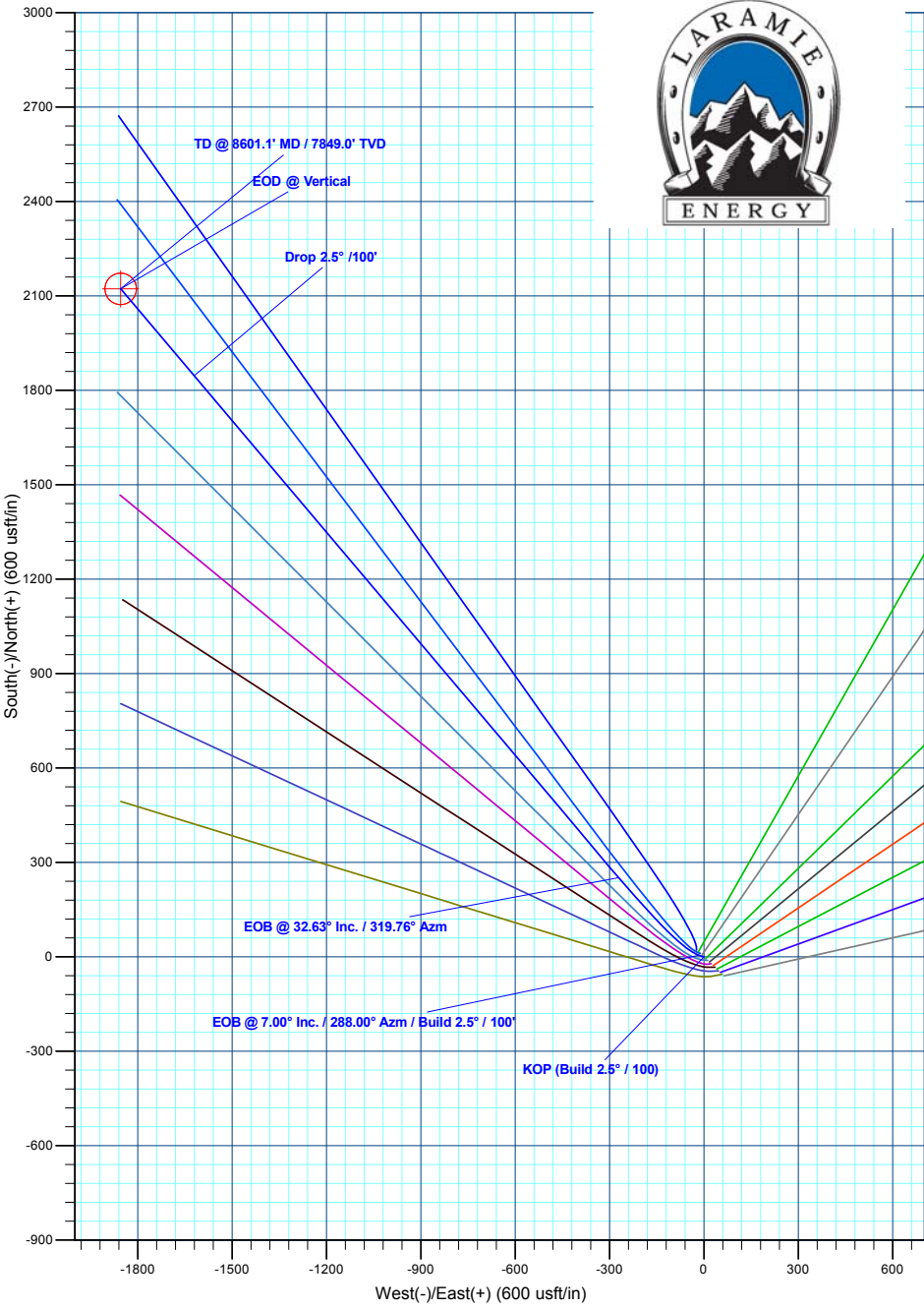
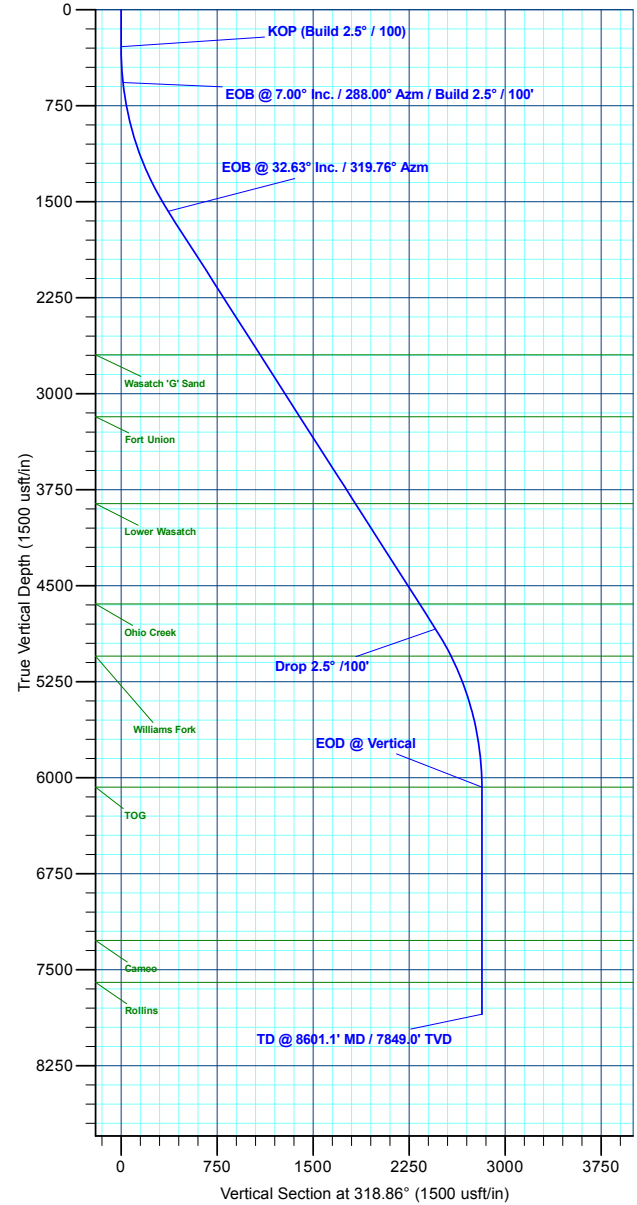
DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
PBHL - Laramie 20-7849.0	7849.0	2122.6	-1854.2	1527964.86	2351491.22	39.260548	-107.790624

WELL DETAILS: Laramie 29-01 0993-20-13E

+N-S	+E-W	Ground Level	Easting	Latitude	Longitude
0.0	0.0	7463.0	2353291.50	39.254720	-107.784075

A-5



Plan: Design #1 (Laramie 0993-20-13E/OH)
 Created By: Will Jircik Date: 19:07, August 23 2023