

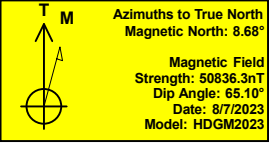
Project: Mesa County, CO
 Site: Laramie 0993-29-01
 Well: Laramie 0993-20-14E
 Wellbore: OH
 Design: Design #1
 Latitude: 39.254690
 Longitude: -107.784034
 Ground Level: 7463.0
 RKB=30' @ 7493.0usft (TBD)

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-7(0.0N, 0.0E)
 Measured Depth Reference: RKB=30' @ 7493.0usft (TBD)
 Calculation Method: Minimum Curvature

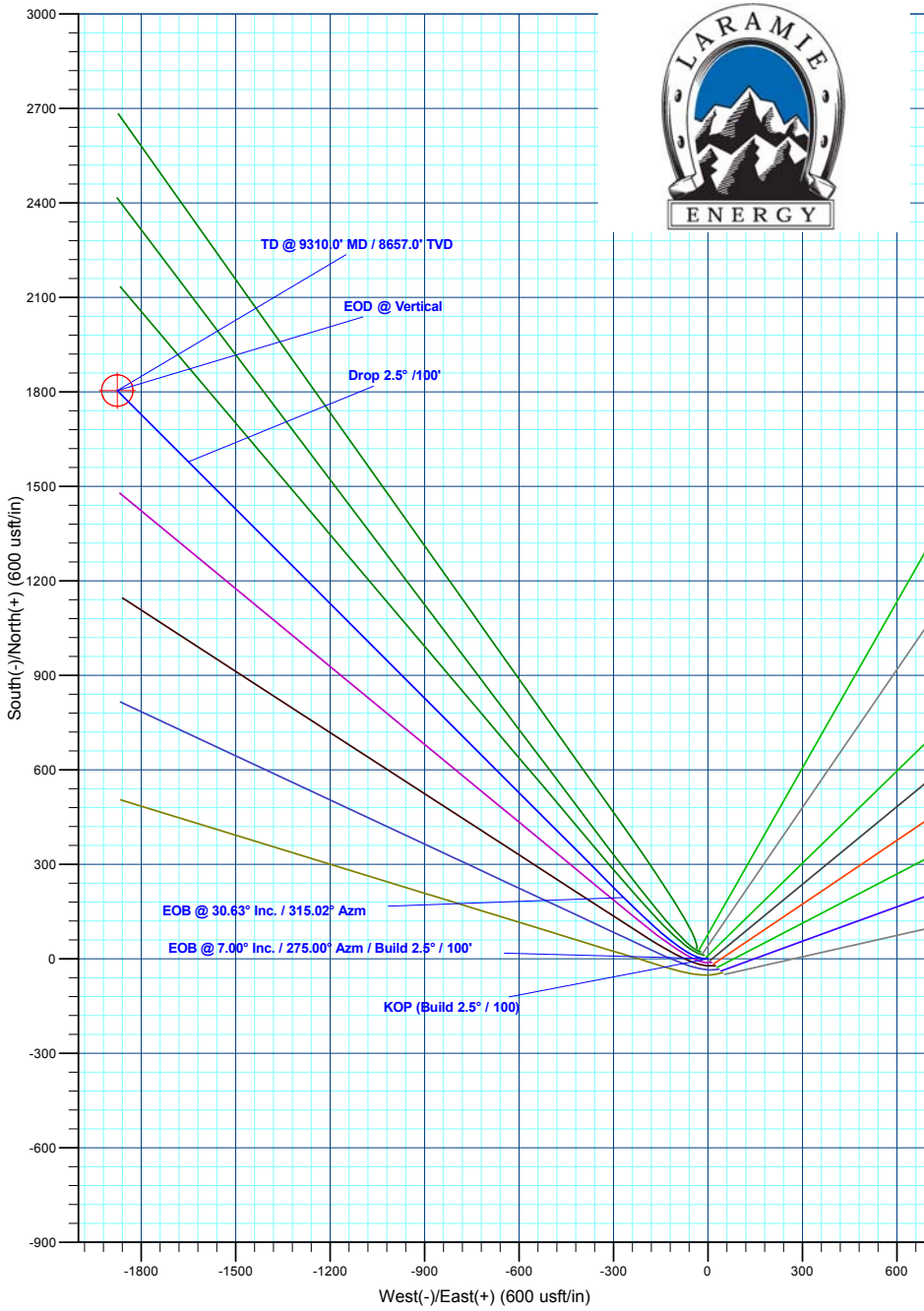
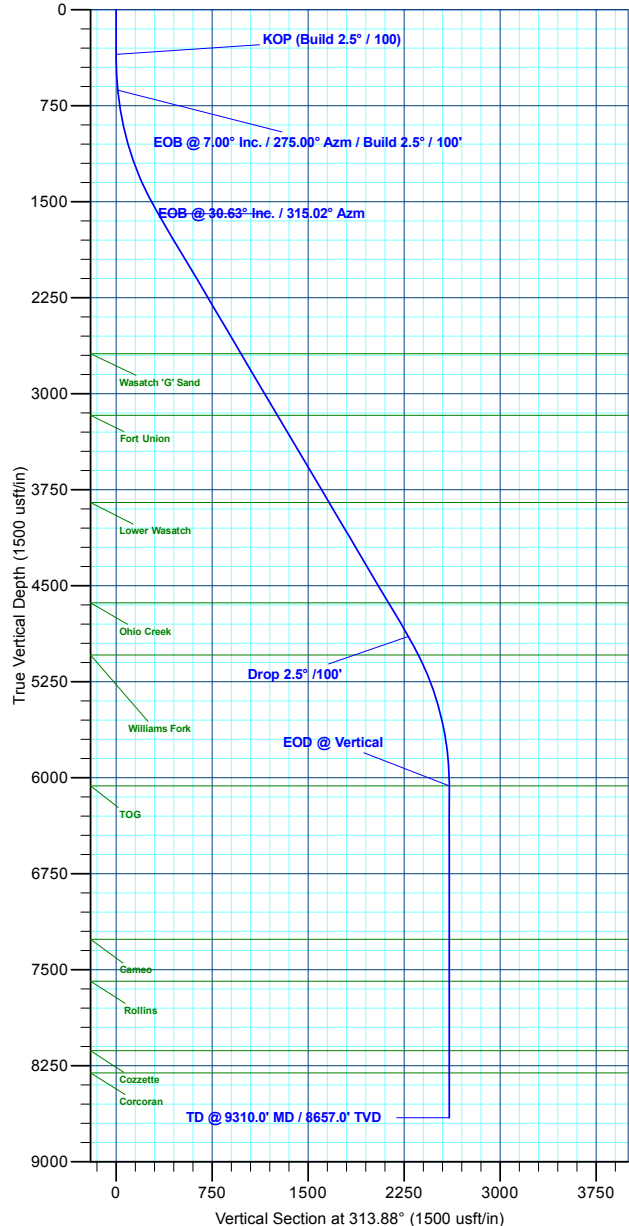
| SECTION DETAILS | | | | | | | | | | |
|-----------------|-------|--------|--------|--------|---------|------|--------|--------|--|--|
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation | |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | | |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | KOP (Build 2.5° / 100') | |
| 630.0 | 7.00 | 275.00 | 629.3 | 1.5 | -17.0 | 2.50 | 275.00 | 13.3 | EOB @ 7.00° Inc. / 275.00° Azm / Build 2.5° / 100' | |
| 1655.3 | 30.63 | 315.02 | 1655.4 | 195.0 | -268.1 | 2.50 | 49.24 | 328.4 | EOB @ 30.63° Inc. / 315.02° Azm | |
| 5492.6 | 30.63 | 315.02 | 4897.2 | 1578.1 | -1650.1 | 0.00 | 0.00 | 2283.3 | Drop 2.5° / 100' | |
| 6718.0 | 0.00 | 0.00 | 6065.0 | 1804.4 | -1876.1 | 2.50 | 180.00 | 2603.0 | EOD @ Vertical | |
| 9310.0 | 0.00 | 0.00 | 8657.0 | 1804.4 | -1876.1 | 0.00 | 0.00 | 2603.0 | TD @ 9310.0' MD / 8657.0' TVD | |

| FORMATION TOP DETAILS | | |
|-----------------------|--------|------------------|
| TVDPath | MDPath | Formation |
| 2689.0 | 2926.3 | Wasatch 'G' Sand |
| 3171.0 | 3486.4 | Fort Union |
| 3851.0 | 4276.7 | Lower Wasatch |
| 4634.0 | 5186.7 | Ohio Creek |
| 5042.0 | 5657.5 | Williams Fork |
| 6065.0 | 6718.0 | TOG |
| 7264.0 | 7917.0 | Cameo |
| 7590.0 | 8243.0 | Rollins |
| 8134.0 | 8787.0 | Cozzette |
| 8307.0 | 8960.0 | Corcoran |



| DESIGN TARGET DETAILS | | | | | | | |
|-----------------------|--------|--------|---------|------------|------------|-----------|-------------|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| PBHL - Laramie 20-14E | 7463.0 | 1804.4 | -1876.1 | 1527635.97 | 2351472.72 | 39.259644 | -107.790660 |

| WELL DETAILS: Laramie 29-01 0993-20-14E | | | | | | |
|---|-------|--------------|------------|-----------|-------------|-----|
| +N/-S | +E/-W | Ground Level | 7463.0 | Latitude | Longitude | |
| 0.0 | 0.0 | 1525784.98 | 2353302.91 | 39.254690 | -107.784034 | A-7 |



Plan: Design #1 (Laramie 0993-20-14E/OH)
 Created By: Will Jircik Date: 19:11, August 23 2023