

| PROJECT DETAILS: Garfield 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 | |

| WELL DETAILS: CC 0697-03-25W | | | | | | | |
|------------------------------|-------|------------|------------|-----------|-------------|-----|--|
| | | | | 8610.0 | | | |
| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude | A-7 | |
| 0.0 | 0.0 | 1636258.29 | 2235861.80 | 39.549020 | -108.210228 | | |

Project: Garfield County, CO
Site: CC 603-23-32 Pad
Well: CC 0697-03-25W
Wellbore: Wellbore #1
Design: Design #3
Latitude: 39.549020
Longitude: -108.210228
Ground Level: 8610.0
RKB=30' @ 8640.0usft (TBD)

| FORMATION TOP DETAILS | | |
|-----------------------|--------|------------------|
| TVDPath | MDPath | Formation |
| 950.0 | 953.6 | Mahogany |
| 2900.0 | 2923.3 | Wasatch |
| 4943.0 | 4986.9 | Wasatch 'G' Sand |
| 5017.0 | 5061.7 | Loss Zone |
| 5154.0 | 5200.0 | Fort Union |
| 6442.0 | 6501.0 | Ohio Creek |
| 6676.0 | 6736.8 | Williams Fork |
| 7014.0 | 7074.9 | TOG |
| 8816.0 | 8876.9 | Cameo |
| 9220.0 | 9280.9 | Base Cameo Coal |
| 9312.0 | 9372.9 | Rollins |

| REFERENCE INFORMATION | |
|-------------------------------------------------------------------------|--|
| Co-ordinate (N/E) Reference: Well CC 0697-03-25W - Slot A-7, True North | |
| Vertical (TVD) Reference: RKB=30' @ 8640.0usft (TBD) | |
| Section (VS) Reference: Slot - A-7(0.0N, 0.0E) | |
| Measured Depth Reference: RKB=30' @ 8640.0usft (TBD) | |
| Calculation Method: Minimum Curvature | |

T

M

Azimuths to True North

Magnetic North: 9.37°

Magnetic Field

Strength: 51292.6nT

Dip Angle: 65.67°

Date: 10/30/2020

Model: HDGM2024

| DESIGN TARGET DETAILS | | | | | | | |
|-----------------------|--------|--------|-------|------------|------------|-----------|-------------|
| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| 03-25W - PBHL | 9512.0 | -722.4 | 469.9 | 1635522.15 | 2236309.94 | 39.547037 | -108.208562 |

| 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 | Build 3° / 100' | |
| 225.0 | 0.00 | 0.00 | 225.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | EOB @ 5.00° Inc. / 255.00° Azm : Build 3° / 100' | |
| 391.7 | 5.00 | 255.00 | 391.5 | -1.9 | -7.0 | 3.00 | 255.00 | -2.3 | EOB @ 8.10° Inc. / 145.51° Azm | |
| 753.1 | 8.10 | 145.51 | 751.4 | -27.0 | -7.8 | 3.00 | -135.05 | 18.4 | Drop 3° / 100' | |
| 6602.8 | 8.10 | 145.51 | 6542.8 | -706.7 | 459.1 | 0.00 | 0.00 | 842.7 | EOD @ Vertical | |
| 6872.9 | 0.00 | 0.00 | 6812.0 | -722.4 | 469.9 | 3.00 | 180.00 | 861.8 | TD @ 9572.9' MD / 9512.0' TVD | |
| 9572.9 | 0.00 | 0.00 | 9512.0 | -722.4 | 469.9 | 0.00 | 0.00 | 861.8 | | |

