

Project: Rio Blanco County, CO
 Site: PCU B27 197 Pad
 Well: PCU B27 FED 11A-27 197
 Wellbore: OH
 Design: Design #1
 Latitude: 39.940898
 Longitude: -108.268449
 Ground Level: 6510.0
 WELL @ 6540.0usft (30')

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|----------------|
| 2482.0 | 2490.7 | ORANGE_MARKER |
| 2632.0 | 2641.4 | WASATCH |
| 5508.0 | 5530.7 | WASATCH_G_ZONE |
| 5979.0 | 6003.9 | FORT_UNION |
| 7475.0 | 7506.3 | OHIO_CREEK |
| 8225.0 | 8256.4 | WILLIAMS_FORK |
| 11093.0 | 11124.9 | CAMEO |
| 11643.0 | 11675.0 | ROLLINS |
| 11741.0 | 11773.0 | COZZETTE |
| 12341.0 | 12373.1 | Corcoran |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well PCU B27 FED 11A-27 197 - Slot 11A-27, True North
 Vertical (TVD) Reference: WELL @ 6540.0usft (30')
 Section (VS) Reference: Slot - 11A-27(0.0N, 0.0E)
 Measured Depth Reference: WELL @ 6540.0usft (30')
 Calculation Method: Minimum Curvature

WELL DETAILS: PCU B27 FED 11A-27 197

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-------|-------|-------------|------------|-----------|-------------|
| 0.0 | 0.0 | 14516246.40 | 2406120.80 | 39.940898 | -108.268449 |

PROJECT DETAILS: Rio Blanco County, CO

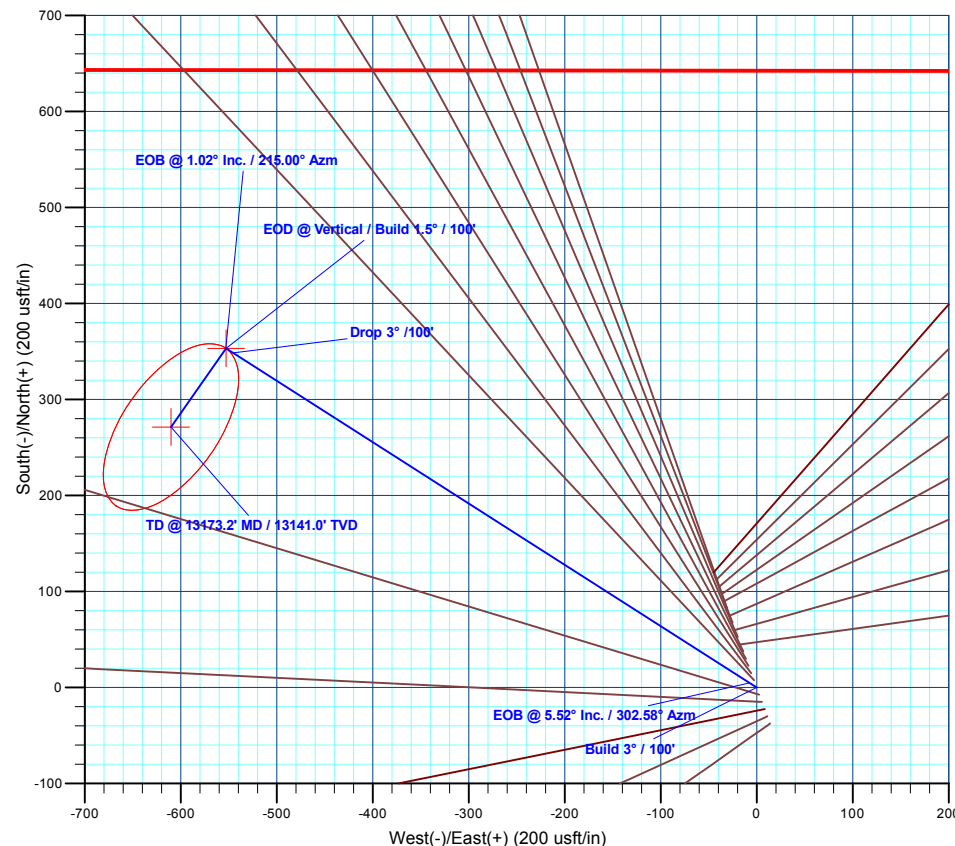
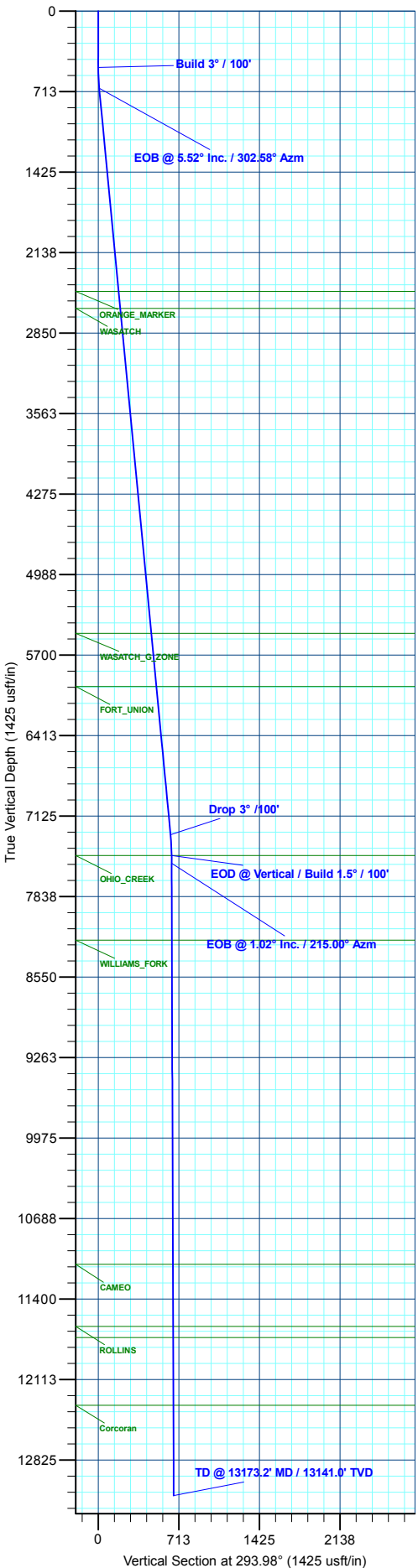
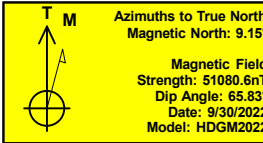
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)
 System Datum: Mean Sea Level

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---------------|---------|-------|--------|-------------|------------|-----------|-------------|
| 11A-27 - OHCR | 7475.0 | 353.2 | -552.7 | 14516582.53 | 2405557.53 | 39.941868 | -108.270420 |
| 11A-27 - PBHL | 13141.0 | 271.3 | -610.1 | 14516498.90 | 2405502.70 | 39.941643 | -108.270624 |

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 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Build 3° / 100' |
| 683.9 | 5.52 | 302.58 | 683.6 | 4.8 | -7.5 | 3.00 | 302.58 | 8.7 | EOB @ 5.52° Inc. / 302.58° Azm |
| 7322.4 | 5.52 | 302.58 | 7291.4 | 348.5 | -545.3 | 0.00 | 0.00 | 639.8 | Drop 3° / 100' |
| 7506.3 | 0.00 | 0.00 | 7475.0 | 353.2 | -552.7 | 3.00 | 180.00 | 648.8 | EOD @ Vertical / Build 1.5° / 100' |
| 7574.1 | 1.02 | 215.00 | 7542.8 | 352.7 | -553.1 | 1.50 | 215.00 | 648.7 | EOB @ 1.02° Inc. / 215.00° Azm |
| 13173.2 | 1.02 | 215.00 | 13141.0 | 271.3 | -610.1 | 0.00 | 0.00 | 667.7 | TD @ 13173.2' MD / 13141.0' TVD |



Plan: Design #1 (PCU B27 FED 11A-27 197/OH)

Created By: Will Jircik Date: 12:51, May 08 2023



Caerus Oil & Gas

Rio Blanco County, CO

PCU B27 197 Pad

PCU B27 FED 11A-27 197 - Slot 11A-27

OH

Plan: Design #1

KLX Well Planning Report

08 May, 2023



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well PCU B27 FED 11A-27 197 - Slot 11A-27 |
| Company: | Caerus Oil & Gas | TVD Reference: | WELL @ 6540.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | WELL @ 6540.0usft (30') |
| Site: | PCU B27 197 Pad | North Reference: | True |
| Well: | PCU B27 FED 11A-27 197 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #1 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | Rio Blanco County, CO | | |
| Map System: | Universal Transverse Mercator (US Survey Fee | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 - Western US | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| | | | | | |
|------------------------------|-----------------|---------------------|--------------------|--------------------------|-------------|
| Site | PCU B27 197 Pad | | | | |
| Site Position: | | Northing: | 14,516,246.40 usft | Latitude: | 39.940899 |
| From: | Map | Easting: | 2,406,120.80 usft | Longitude: | -108.268449 |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.75 ° |

| | | | | | | |
|-----------------------------|--------------------------------------|----------|----------------------------|--------------------|----------------------|--------------|
| Well | PCU B27 FED 11A-27 197 - Slot 11A-27 | | | | | |
| Well Position | +N/-S | 0.0 usft | Northing: | 14,516,246.40 usft | Latitude: | 39.940899 |
| | +E/-W | 0.0 usft | Easting: | 2,406,120.80 usft | Longitude: | -108.268449 |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | | Ground Level: | 6,510.0 usft |

| | |
|-----------------|----|
| Wellbore | OH |
|-----------------|----|

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | HDGM2022 | 9/30/2022 | 9.15 | 65.83 | 51,080.60000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Design #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (usft) | +N/-S (usft) | +E/-W (usft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 293.98 |

| Plan Sections | | | | | | | | | | |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|---------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | TFO (°) | Target |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 683.9 | 5.52 | 302.58 | 683.6 | 4.8 | -7.5 | 3.00 | 3.00 | 0.00 | 302.58 | |
| 7,322.4 | 5.52 | 302.58 | 7,291.4 | 348.5 | -545.3 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 7,506.3 | 0.00 | 0.00 | 7,475.0 | 353.2 | -552.7 | 3.00 | -3.00 | 0.00 | 180.00 | 11A-27 - OHCR |
| 7,574.1 | 1.02 | 215.00 | 7,542.8 | 352.7 | -553.1 | 1.50 | 1.50 | -213.81 | 215.00 | |
| 13,173.2 | 1.02 | 215.00 | 13,141.0 | 271.3 | -610.1 | 0.00 | 0.00 | 0.00 | 0.00 | 11A-27 - PBHL |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well PCU B27 FED 11A-27 197 - Slot 11A-27 |
| Company: | Caerus Oil & Gas | TVD Reference: | WELL @ 6540.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | WELL @ 6540.0usft (30') |
| Site: | PCU B27 197 Pad | North Reference: | True |
| Well: | PCU B27 FED 11A-27 197 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #1 | | |

Planned Survey

| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
|---------------------------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| Build 3° / 100' | | | | | | | | | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 3.00 | 302.58 | 600.0 | 1.4 | -2.2 | 2.6 | 3.00 | 3.00 | 0.00 |
| EOB @ 5.52° Inc. / 302.58° Azm | | | | | | | | | |
| 683.9 | 5.52 | 302.58 | 683.6 | 4.8 | -7.5 | 8.7 | 3.00 | 3.00 | 0.00 |
| 700.0 | 5.52 | 302.58 | 699.6 | 5.6 | -8.8 | 10.3 | 0.00 | 0.00 | 0.00 |
| 800.0 | 5.52 | 302.58 | 799.2 | 10.8 | -16.9 | 19.8 | 0.00 | 0.00 | 0.00 |
| 900.0 | 5.52 | 302.58 | 898.7 | 16.0 | -25.0 | 29.3 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 5.52 | 302.58 | 998.3 | 21.1 | -33.1 | 38.8 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 5.52 | 302.58 | 1,097.8 | 26.3 | -41.2 | 48.3 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 5.52 | 302.58 | 1,197.3 | 31.5 | -49.3 | 57.8 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 5.52 | 302.58 | 1,296.9 | 36.7 | -57.4 | 67.3 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 5.52 | 302.58 | 1,396.4 | 41.8 | -65.5 | 76.8 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 5.52 | 302.58 | 1,495.9 | 47.0 | -73.6 | 86.3 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 5.52 | 302.58 | 1,595.5 | 52.2 | -81.7 | 95.8 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 5.52 | 302.58 | 1,695.0 | 57.4 | -89.8 | 105.3 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 5.52 | 302.58 | 1,794.5 | 62.5 | -97.9 | 114.8 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 5.52 | 302.58 | 1,894.1 | 67.7 | -106.0 | 124.4 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 5.52 | 302.58 | 1,993.6 | 72.9 | -114.1 | 133.9 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 5.52 | 302.58 | 2,093.2 | 78.1 | -122.2 | 143.4 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 5.52 | 302.58 | 2,192.7 | 83.3 | -130.3 | 152.9 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 5.52 | 302.58 | 2,292.2 | 88.4 | -138.4 | 162.4 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 5.52 | 302.58 | 2,391.8 | 93.6 | -146.5 | 171.9 | 0.00 | 0.00 | 0.00 |
| ORANGE_MARKER | | | | | | | | | |
| 2,490.7 | 5.52 | 302.58 | 2,482.0 | 98.3 | -153.8 | 180.5 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 5.52 | 302.58 | 2,491.3 | 98.8 | -154.6 | 181.4 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 5.52 | 302.58 | 2,590.8 | 104.0 | -162.7 | 190.9 | 0.00 | 0.00 | 0.00 |
| WASATCH | | | | | | | | | |
| 2,641.4 | 5.52 | 302.58 | 2,632.0 | 106.1 | -166.0 | 194.8 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 5.52 | 302.58 | 2,690.4 | 109.1 | -170.8 | 200.4 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 5.52 | 302.58 | 2,789.9 | 114.3 | -178.9 | 209.9 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 5.52 | 302.58 | 2,889.4 | 119.5 | -187.0 | 219.4 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 5.52 | 302.58 | 2,989.0 | 124.7 | -195.1 | 228.9 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 5.52 | 302.58 | 3,088.5 | 129.9 | -203.2 | 238.4 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 5.52 | 302.58 | 3,188.1 | 135.0 | -211.3 | 247.9 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 5.52 | 302.58 | 3,287.6 | 140.2 | -219.4 | 257.4 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 5.52 | 302.58 | 3,387.1 | 145.4 | -227.5 | 266.9 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 5.52 | 302.58 | 3,486.7 | 150.6 | -235.6 | 276.4 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 5.52 | 302.58 | 3,586.2 | 155.7 | -243.7 | 286.0 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 5.52 | 302.58 | 3,685.7 | 160.9 | -251.8 | 295.5 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 5.52 | 302.58 | 3,785.3 | 166.1 | -259.9 | 305.0 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 5.52 | 302.58 | 3,884.8 | 171.3 | -268.0 | 314.5 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 5.52 | 302.58 | 3,984.4 | 176.4 | -276.1 | 324.0 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 5.52 | 302.58 | 4,083.9 | 181.6 | -284.2 | 333.5 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 5.52 | 302.58 | 4,183.4 | 186.8 | -292.3 | 343.0 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 5.52 | 302.58 | 4,283.0 | 192.0 | -300.4 | 352.5 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 5.52 | 302.58 | 4,382.5 | 197.2 | -308.5 | 362.0 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 5.52 | 302.58 | 4,482.0 | 202.3 | -316.6 | 371.5 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 5.52 | 302.58 | 4,581.6 | 207.5 | -324.7 | 381.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well PCU B27 FED 11A-27 197 - Slot 11A-27 |
| Company: | Caerus Oil & Gas | TVD Reference: | WELL @ 6540.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | WELL @ 6540.0usft (30') |
| Site: | PCU B27 197 Pad | North Reference: | True |
| Well: | PCU B27 FED 11A-27 197 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #1 | | |

| Planned Survey | | | | | | | | | |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 4,700.0 | 5.52 | 302.58 | 4,681.1 | 212.7 | -332.8 | 390.5 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 5.52 | 302.58 | 4,780.6 | 217.9 | -340.9 | 400.0 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 5.52 | 302.58 | 4,880.2 | 223.0 | -349.0 | 409.5 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 5.52 | 302.58 | 4,979.7 | 228.2 | -357.1 | 419.0 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 5.52 | 302.58 | 5,079.3 | 233.4 | -365.2 | 428.5 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 5.52 | 302.58 | 5,178.8 | 238.6 | -373.3 | 438.0 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 5.52 | 302.58 | 5,278.3 | 243.7 | -381.4 | 447.6 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 5.52 | 302.58 | 5,377.9 | 248.9 | -389.5 | 457.1 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 5.52 | 302.58 | 5,477.4 | 254.1 | -397.6 | 466.6 | 0.00 | 0.00 | 0.00 |
| WASATCH_G_ZONE | | | | | | | | | |
| 5,530.7 | 5.52 | 302.58 | 5,508.0 | 255.7 | -400.1 | 469.5 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 5.52 | 302.58 | 5,576.9 | 259.3 | -405.7 | 476.1 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 5.52 | 302.58 | 5,676.5 | 264.5 | -413.8 | 485.6 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 5.52 | 302.58 | 5,776.0 | 269.6 | -421.9 | 495.1 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 5.52 | 302.58 | 5,875.6 | 274.8 | -430.0 | 504.6 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 5.52 | 302.58 | 5,975.1 | 280.0 | -438.1 | 514.1 | 0.00 | 0.00 | 0.00 |
| FORT_UNION | | | | | | | | | |
| 6,003.9 | 5.52 | 302.58 | 5,979.0 | 280.2 | -438.4 | 514.5 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 5.52 | 302.58 | 6,074.6 | 285.2 | -446.2 | 523.6 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 5.52 | 302.58 | 6,174.2 | 290.3 | -454.3 | 533.1 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 5.52 | 302.58 | 6,273.7 | 295.5 | -462.4 | 542.6 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 5.52 | 302.58 | 6,373.2 | 300.7 | -470.5 | 552.1 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 5.52 | 302.58 | 6,472.8 | 305.9 | -478.6 | 561.6 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 5.52 | 302.58 | 6,572.3 | 311.1 | -486.7 | 571.1 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 5.52 | 302.58 | 6,671.8 | 316.2 | -494.8 | 580.6 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 5.52 | 302.58 | 6,771.4 | 321.4 | -502.9 | 590.1 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 5.52 | 302.58 | 6,870.9 | 326.6 | -511.0 | 599.7 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 5.52 | 302.58 | 6,970.5 | 331.8 | -519.1 | 609.2 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 5.52 | 302.58 | 7,070.0 | 336.9 | -527.2 | 618.7 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 5.52 | 302.58 | 7,169.5 | 342.1 | -535.3 | 628.2 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 5.52 | 302.58 | 7,269.1 | 347.3 | -543.4 | 637.7 | 0.00 | 0.00 | 0.00 |
| Drop 3° /100' | | | | | | | | | |
| 7,322.4 | 5.52 | 302.58 | 7,291.4 | 348.5 | -545.3 | 639.8 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 3.19 | 302.58 | 7,368.7 | 351.6 | -550.2 | 645.6 | 3.00 | -3.00 | 0.00 |
| EOD @ Vertical / Build 1.5° / 100' - OHIO_CREEK | | | | | | | | | |
| 7,506.3 | 0.00 | 0.00 | 7,475.0 | 353.2 | -552.7 | 648.6 | 3.00 | -3.00 | 0.00 |
| EOB @ 1.02° Inc. / 215.00° Azm | | | | | | | | | |
| 7,574.1 | 1.02 | 215.00 | 7,542.8 | 352.7 | -553.1 | 648.7 | 1.50 | 1.50 | 0.00 |
| 7,600.0 | 1.02 | 215.00 | 7,568.7 | 352.3 | -553.3 | 648.8 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 1.02 | 215.00 | 7,668.7 | 350.9 | -554.3 | 649.1 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 1.02 | 215.00 | 7,768.6 | 349.4 | -555.4 | 649.4 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 1.02 | 215.00 | 7,868.6 | 348.0 | -556.4 | 649.8 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 1.02 | 215.00 | 7,968.6 | 346.5 | -557.4 | 650.1 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 1.02 | 215.00 | 8,068.6 | 345.1 | -558.4 | 650.5 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 1.02 | 215.00 | 8,168.6 | 343.6 | -559.4 | 650.8 | 0.00 | 0.00 | 0.00 |
| WILLIAMS_FORK | | | | | | | | | |
| 8,256.4 | 1.02 | 215.00 | 8,225.0 | 342.8 | -560.0 | 651.0 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 1.02 | 215.00 | 8,268.6 | 342.2 | -560.5 | 651.1 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 1.02 | 215.00 | 8,368.5 | 340.7 | -561.5 | 651.5 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 1.02 | 215.00 | 8,468.5 | 339.3 | -562.5 | 651.8 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 1.02 | 215.00 | 8,568.5 | 337.8 | -563.5 | 652.2 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 1.02 | 215.00 | 8,668.5 | 336.4 | -564.5 | 652.5 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 1.02 | 215.00 | 8,768.5 | 334.9 | -565.5 | 652.8 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well PCU B27 FED 11A-27 197 - Slot 11A-27 |
| Company: | Caerus Oil & Gas | TVD Reference: | WELL @ 6540.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | WELL @ 6540.0usft (30') |
| Site: | PCU B27 197 Pad | North Reference: | True |
| Well: | PCU B27 FED 11A-27 197 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #1 | | |

| Planned Survey | | | | | | | | | | |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (usft) | Inclination (°) | Azimuth (°) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Vertical Section (usft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 8,900.0 | 1.02 | 215.00 | 8,868.5 | 333.4 | -566.6 | 653.2 | 0.00 | 0.00 | 0.00 | |
| 9,000.0 | 1.02 | 215.00 | 8,968.5 | 332.0 | -567.6 | 653.5 | 0.00 | 0.00 | 0.00 | |
| 9,100.0 | 1.02 | 215.00 | 9,068.4 | 330.5 | -568.6 | 653.9 | 0.00 | 0.00 | 0.00 | |
| 9,200.0 | 1.02 | 215.00 | 9,168.4 | 329.1 | -569.6 | 654.2 | 0.00 | 0.00 | 0.00 | |
| 9,300.0 | 1.02 | 215.00 | 9,268.4 | 327.6 | -570.6 | 654.5 | 0.00 | 0.00 | 0.00 | |
| 9,400.0 | 1.02 | 215.00 | 9,368.4 | 326.2 | -571.7 | 654.9 | 0.00 | 0.00 | 0.00 | |
| 9,500.0 | 1.02 | 215.00 | 9,468.4 | 324.7 | -572.7 | 655.2 | 0.00 | 0.00 | 0.00 | |
| 9,600.0 | 1.02 | 215.00 | 9,568.4 | 323.3 | -573.7 | 655.6 | 0.00 | 0.00 | 0.00 | |
| 9,700.0 | 1.02 | 215.00 | 9,668.3 | 321.8 | -574.7 | 655.9 | 0.00 | 0.00 | 0.00 | |
| 9,800.0 | 1.02 | 215.00 | 9,768.3 | 320.4 | -575.7 | 656.2 | 0.00 | 0.00 | 0.00 | |
| 9,900.0 | 1.02 | 215.00 | 9,868.3 | 318.9 | -576.7 | 656.6 | 0.00 | 0.00 | 0.00 | |
| 10,000.0 | 1.02 | 215.00 | 9,968.3 | 317.4 | -577.8 | 656.9 | 0.00 | 0.00 | 0.00 | |
| 10,100.0 | 1.02 | 215.00 | 10,068.3 | 316.0 | -578.8 | 657.2 | 0.00 | 0.00 | 0.00 | |
| 10,200.0 | 1.02 | 215.00 | 10,168.3 | 314.5 | -579.8 | 657.6 | 0.00 | 0.00 | 0.00 | |
| 10,300.0 | 1.02 | 215.00 | 10,268.2 | 313.1 | -580.8 | 657.9 | 0.00 | 0.00 | 0.00 | |
| 10,400.0 | 1.02 | 215.00 | 10,368.2 | 311.6 | -581.8 | 658.3 | 0.00 | 0.00 | 0.00 | |
| 10,500.0 | 1.02 | 215.00 | 10,468.2 | 310.2 | -582.9 | 658.6 | 0.00 | 0.00 | 0.00 | |
| 10,600.0 | 1.02 | 215.00 | 10,568.2 | 308.7 | -583.9 | 658.9 | 0.00 | 0.00 | 0.00 | |
| 10,700.0 | 1.02 | 215.00 | 10,668.2 | 307.3 | -584.9 | 659.3 | 0.00 | 0.00 | 0.00 | |
| 10,800.0 | 1.02 | 215.00 | 10,768.2 | 305.8 | -585.9 | 659.6 | 0.00 | 0.00 | 0.00 | |
| 10,900.0 | 1.02 | 215.00 | 10,868.2 | 304.4 | -586.9 | 660.0 | 0.00 | 0.00 | 0.00 | |
| 11,000.0 | 1.02 | 215.00 | 10,968.1 | 302.9 | -587.9 | 660.3 | 0.00 | 0.00 | 0.00 | |
| 11,100.0 | 1.02 | 215.00 | 11,068.1 | 301.5 | -589.0 | 660.6 | 0.00 | 0.00 | 0.00 | |
| CAMEO | | | | | | | | | | |
| 11,124.9 | 1.02 | 215.00 | 11,093.0 | 301.1 | -589.2 | 660.7 | 0.00 | 0.00 | 0.00 | |
| 11,200.0 | 1.02 | 215.00 | 11,168.1 | 300.0 | -590.0 | 661.0 | 0.00 | 0.00 | 0.00 | |
| 11,300.0 | 1.02 | 215.00 | 11,268.1 | 298.5 | -591.0 | 661.3 | 0.00 | 0.00 | 0.00 | |
| 11,400.0 | 1.02 | 215.00 | 11,368.1 | 297.1 | -592.0 | 661.7 | 0.00 | 0.00 | 0.00 | |
| 11,500.0 | 1.02 | 215.00 | 11,468.1 | 295.6 | -593.0 | 662.0 | 0.00 | 0.00 | 0.00 | |
| 11,600.0 | 1.02 | 215.00 | 11,568.0 | 294.2 | -594.1 | 662.3 | 0.00 | 0.00 | 0.00 | |
| ROLLINS | | | | | | | | | | |
| 11,675.0 | 1.02 | 215.00 | 11,643.0 | 293.1 | -594.8 | 662.6 | 0.00 | 0.00 | 0.00 | |
| 11,700.0 | 1.02 | 215.00 | 11,668.0 | 292.7 | -595.1 | 662.7 | 0.00 | 0.00 | 0.00 | |
| COZZETTE | | | | | | | | | | |
| 11,773.0 | 1.02 | 215.00 | 11,741.0 | 291.7 | -595.8 | 662.9 | 0.00 | 0.00 | 0.00 | |
| 11,800.0 | 1.02 | 215.00 | 11,768.0 | 291.3 | -596.1 | 663.0 | 0.00 | 0.00 | 0.00 | |
| 11,900.0 | 1.02 | 215.00 | 11,868.0 | 289.8 | -597.1 | 663.4 | 0.00 | 0.00 | 0.00 | |
| 12,000.0 | 1.02 | 215.00 | 11,968.0 | 288.4 | -598.1 | 663.7 | 0.00 | 0.00 | 0.00 | |
| 12,100.0 | 1.02 | 215.00 | 12,068.0 | 286.9 | -599.2 | 664.0 | 0.00 | 0.00 | 0.00 | |
| 12,200.0 | 1.02 | 215.00 | 12,167.9 | 285.5 | -600.2 | 664.4 | 0.00 | 0.00 | 0.00 | |
| 12,300.0 | 1.02 | 215.00 | 12,267.9 | 284.0 | -601.2 | 664.7 | 0.00 | 0.00 | 0.00 | |
| Corcoran | | | | | | | | | | |
| 12,373.1 | 1.02 | 215.00 | 12,341.0 | 282.9 | -601.9 | 665.0 | 0.00 | 0.00 | 0.00 | |
| 12,400.0 | 1.02 | 215.00 | 12,367.9 | 282.6 | -602.2 | 665.1 | 0.00 | 0.00 | 0.00 | |
| 12,500.0 | 1.02 | 215.00 | 12,467.9 | 281.1 | -603.2 | 665.4 | 0.00 | 0.00 | 0.00 | |
| 12,600.0 | 1.02 | 215.00 | 12,567.9 | 279.6 | -604.2 | 665.7 | 0.00 | 0.00 | 0.00 | |
| 12,700.0 | 1.02 | 215.00 | 12,667.9 | 278.2 | -605.3 | 666.1 | 0.00 | 0.00 | 0.00 | |
| 12,800.0 | 1.02 | 215.00 | 12,767.9 | 276.7 | -606.3 | 666.4 | 0.00 | 0.00 | 0.00 | |
| 12,900.0 | 1.02 | 215.00 | 12,867.8 | 275.3 | -607.3 | 666.8 | 0.00 | 0.00 | 0.00 | |
| 13,000.0 | 1.02 | 215.00 | 12,967.8 | 273.8 | -608.3 | 667.1 | 0.00 | 0.00 | 0.00 | |
| 13,100.0 | 1.02 | 215.00 | 13,067.8 | 272.4 | -609.3 | 667.4 | 0.00 | 0.00 | 0.00 | |
| TD @ 13173.2' MD / 13141.0' TVD | | | | | | | | | | |
| 13,173.2 | 1.02 | 215.00 | 13,141.0 | 271.3 | -610.1 | 667.7 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well PCU B27 FED 11A-27 197 - Slot 11A-27 |
| Company: | Caerus Oil & Gas | TVD Reference: | WELL @ 6540.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | WELL @ 6540.0usft (30') |
| Site: | PCU B27 197 Pad | North Reference: | True |
| Well: | PCU B27 FED 11A-27 197 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #1 | | |

Design Targets

| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| 11A-27 - OHCR - hit/miss target - Shape - Point | 0.00 | 0.00 | 7,475.0 | 353.2 | -552.7 | 14,516,582.53 | 2,405,557.53 | 39.941868 | -108.270420 |
| 11A-27 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 215.00 azi) | 0.00 | 0.00 | 13,141.0 | 271.3 | -610.1 | 14,516,498.90 | 2,405,502.70 | 39.941643 | -108.270625 |

Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|----------------|-----------|---------|-------------------|
| 2,490.7 | 2,482.0 | ORANGE_MARKER | | | |
| 2,641.4 | 2,632.0 | WASATCH | | | |
| 5,530.7 | 5,508.0 | WASATCH_G_ZONE | | | |
| 6,003.9 | 5,979.0 | FORT_UNION | | | |
| 7,506.3 | 7,475.0 | OHIO_CREEK | | | |
| 8,256.4 | 8,225.0 | WILLIAMS_FORK | | | |
| 11,124.9 | 11,093.0 | CAMEO | | | |
| 11,675.0 | 11,643.0 | ROLLINS | | | |
| 11,773.0 | 11,741.0 | COZZETTE | | | |
| 12,373.1 | 12,341.0 | Corcoran | | | |

Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------|-----------------------|-------------------|--------------|------------------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 500.0 | 500.0 | 0.0 | 0.0 | Build 3° / 100' |
| 683.9 | 683.6 | 4.8 | -7.5 | EOB @ 5.52° Inc. / 302.58° Azm |
| 7,322.4 | 7,291.4 | 348.5 | -545.3 | Drop 3° / 100' |
| 7,506.3 | 7,475.0 | 353.2 | -552.7 | EOD @ Vertical / Build 1.5° / 100' |
| 7,574.1 | 7,542.8 | 352.7 | -553.1 | EOB @ 1.02° Inc. / 215.00° Azm |
| 13,173.2 | 13,141.0 | 271.3 | -610.1 | TD @ 13173.2' MD / 13141.0' TVD |