

Project: Garfield County, CO
 Site: BJU M33 496 Pad
 Well: BJU M33 FED 23D-32 496
 Wellbore: Wellbore #1
 Design: Design #4
 Latitude: 39.653618
 Longitude: -108.177722
 Ground Level: 8401.0
 RKB @ 8431.0usft (H&P #329)

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------|
| 2279.0 | 2418.2 | Wasatch |
| 5289.0 | 5731.5 | Wasatch G |
| 5563.0 | 6033.1 | Fort Union |
| 7411.0 | 8012.2 | Ohio Creek |
| 7678.0 | 8279.2 | TOG |
| 7884.0 | 8285.2 | Williams Fork |
| 10234.0 | 10836.1 | Cameo |
| 10880.0 | 11482.3 | Rollins |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU M33 FED 23D-32 496 - Slot 23D-32, True North
 Vertical (TVD) Reference: RKB @ 8431.0usft (H&P #329)
 Section (VS) Reference: Slot - 23D-32(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8431.0usft (H&P #329)
 Calculation Method: Minimum Curvature

WELL DETAILS: BJU M33 FED 23D-32 496

| +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|-------|-------|-------------|----------------------|-----------|--------------------|
| 0.0 | 0.0 | 14412410.60 | 8401.0 2434858.30 | 39.653618 | -108.177722 23D-32 |

PROJECT DETAILS: Garfield County, CO

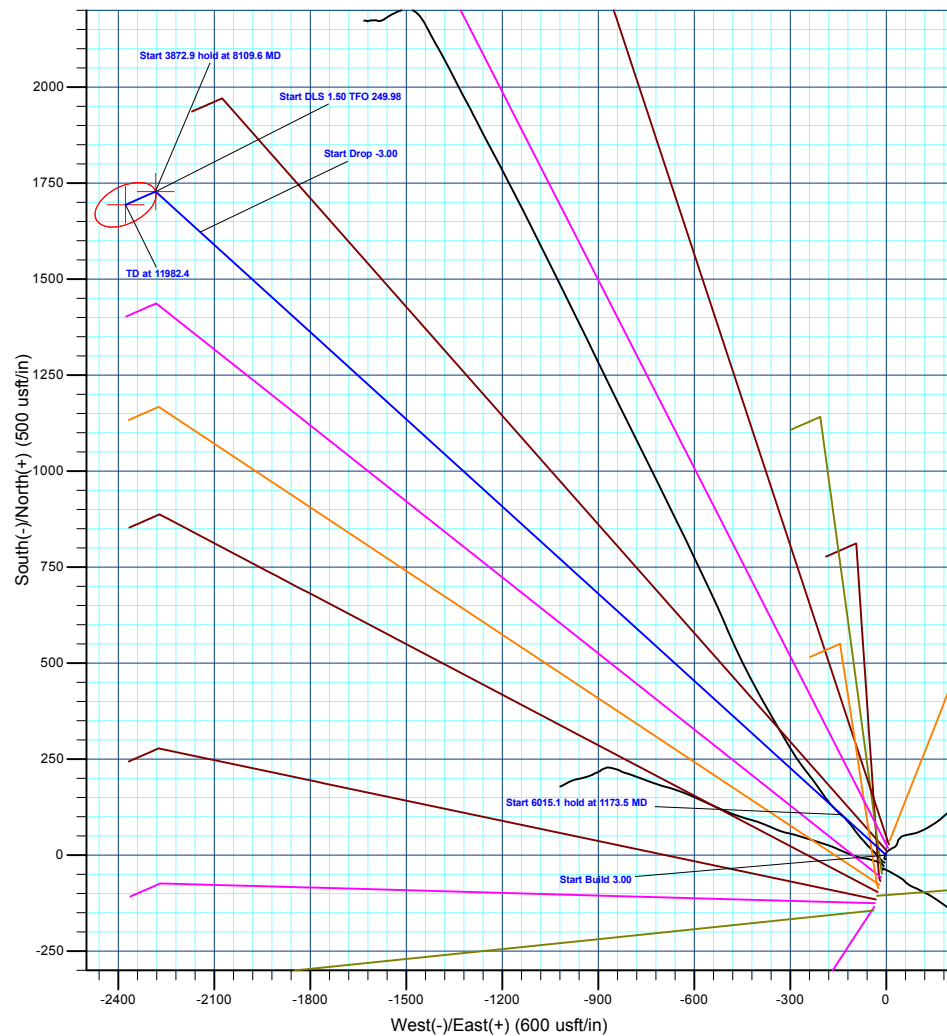
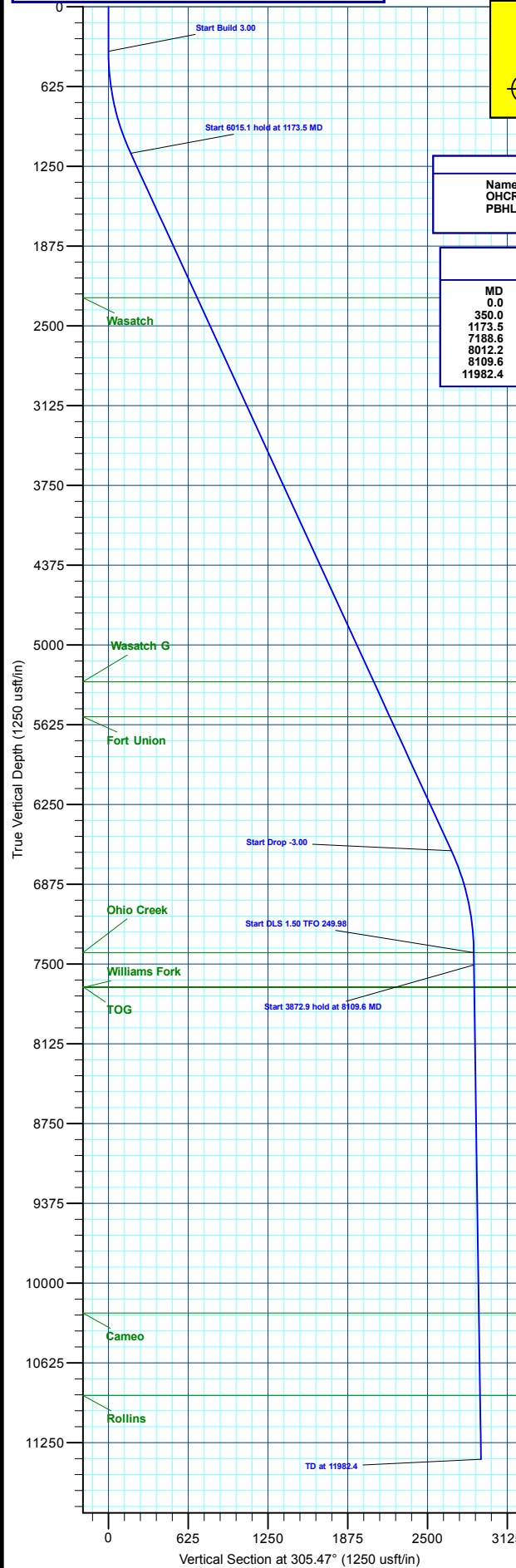
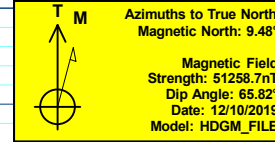
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)
 System Datum: Mean Sea Level

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---------------|---------|--------|---------|-------------|------------|-----------|-------------|
| OHCR - 23D-32 | 7411.0 | 1728.3 | -2283.4 | 14414066.28 | 2432521.73 | 39.658361 | -108.185829 |
| PBHL - 23D-32 | 11380.0 | 1694.1 | -2377.3 | 14414029.10 | 2432428.90 | 39.658267 | -108.186163 |

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 | Start Build 3.00 |
| 1173.5 | 24.71 | 307.12 | 1148.2 | 105.5 | -139.4 | 3.00 | 307.12 | 174.7 | Start 6015.1 hold at 1173.5 MD |
| 7188.6 | 24.71 | 307.12 | 6612.8 | 1622.8 | -2144.0 | 0.00 | 0.00 | 2687.8 | Start Drop -3.00 |
| 8012.2 | 0.00 | 0.00 | 7411.0 | 1728.3 | -2283.4 | 3.00 | 180.00 | 2862.5 | Start DLS 1.50 TFO 249.98 |
| 8109.6 | 1.46 | 249.98 | 7508.4 | 1727.9 | -2284.5 | 1.50 | 249.98 | 2863.2 | Start 3872.9 hold at 8109.6 MD |
| 11982.4 | 1.46 | 249.98 | 11380.0 | 1694.1 | -2377.3 | 0.00 | 0.00 | 2919.2 | TD at 11982.4 |



Plan: Design #4 (BJU M33 FED 23D-32 496/Wellbore #1)

Created By: Will Jircik Date: 9:08, November 19 2022



Caerus Oil & Gas

Garfield County, CO

BJU M33 496 Pad

BJU M33 FED 23D-32 496 - Slot 23D-32

Wellbore #1

Plan: Design #4

KLX Well Planning Report

18 November, 2022



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 23D-32 496 - Slot 23D-32 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8431.0usft (H&P #329) |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8431.0usft (H&P #329) |
| Site: | BJU M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 23D-32 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | Garfield 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 | BJU M33 496 Pad | | | | |
| Site Position: | | Northing: | 14,415,354.00 usft | Latitude: | 39.660635 |
| From: | Map | Easting: | 2,447,010.80 usft | Longitude: | -108.134267 |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.83 ° |

| | | | | | | |
|-----------------------------|--------------------------------------|----------------|----------------------------|--------------------|----------------------|--------------|
| Well | BJU M33 FED 23D-32 496 - Slot 23D-32 | | | | | |
| Well Position | +N/-S | -2,553.8 usft | Northing: | 14,412,410.60 usft | Latitude: | 39.653618 |
| | +E/-W | -12,240.3 usft | Easting: | 2,434,858.30 usft | Longitude: | -108.177723 |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | | Ground Level: | 8,401.0 usft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM_FILE | 12/10/2019 | 9.48 | 65.82 | 51,258.70000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| Design | Design #4 | | | |
| 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 | 305.47 |

| 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 | |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,173.5 | 24.71 | 307.12 | 1,148.2 | 105.5 | -139.4 | 3.00 | 3.00 | 0.00 | 307.12 | |
| 7,188.6 | 24.71 | 307.12 | 6,612.8 | 1,622.8 | -2,144.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,012.2 | 0.00 | 0.00 | 7,411.0 | 1,728.3 | -2,283.4 | 3.00 | -3.00 | 0.00 | 180.00 | OHCR - 23D-32 |
| 8,109.6 | 1.46 | 249.98 | 7,508.4 | 1,727.9 | -2,284.5 | 1.50 | 1.50 | -112.95 | 249.98 | |
| 11,982.4 | 1.46 | 249.98 | 11,380.0 | 1,694.1 | -2,377.3 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL - 23D-32 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 23D-32 496 - Slot 23D-32 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8431.0usft (H&P #329) |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8431.0usft (H&P #329) |
| Site: | BJU M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 23D-32 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 | | |

| 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 |
| Start Build 3.00 | | | | | | | | | |
| 350.0 | 0.00 | 0.00 | 350.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 1.50 | 307.12 | 400.0 | 0.4 | -0.5 | 0.7 | 3.00 | 3.00 | 0.00 |
| 500.0 | 4.50 | 307.12 | 499.8 | 3.6 | -4.7 | 5.9 | 3.00 | 3.00 | 0.00 |
| 600.0 | 7.50 | 307.12 | 599.3 | 9.9 | -13.0 | 16.3 | 3.00 | 3.00 | 0.00 |
| 700.0 | 10.50 | 307.12 | 698.0 | 19.3 | -25.5 | 32.0 | 3.00 | 3.00 | 0.00 |
| 800.0 | 13.50 | 307.12 | 795.8 | 31.8 | -42.1 | 52.7 | 3.00 | 3.00 | 0.00 |
| 900.0 | 16.50 | 307.12 | 892.4 | 47.5 | -62.7 | 78.6 | 3.00 | 3.00 | 0.00 |
| 1,000.0 | 19.50 | 307.12 | 987.5 | 66.1 | -87.3 | 109.5 | 3.00 | 3.00 | 0.00 |
| 1,100.0 | 22.50 | 307.12 | 1,080.9 | 87.7 | -115.9 | 145.3 | 3.00 | 3.00 | 0.00 |
| Start 6015.1 hold at 1173.5 MD | | | | | | | | | |
| 1,173.5 | 24.71 | 307.12 | 1,148.2 | 105.5 | -139.4 | 174.7 | 3.00 | 3.00 | 0.00 |
| 1,200.0 | 24.71 | 307.12 | 1,172.3 | 112.2 | -148.2 | 185.8 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 24.71 | 307.12 | 1,263.1 | 137.4 | -181.5 | 227.6 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 24.71 | 307.12 | 1,354.0 | 162.6 | -214.9 | 269.4 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 24.71 | 307.12 | 1,444.8 | 187.9 | -248.2 | 311.1 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 24.71 | 307.12 | 1,535.7 | 213.1 | -281.5 | 352.9 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 24.71 | 307.12 | 1,626.5 | 238.3 | -314.8 | 394.7 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 24.71 | 307.12 | 1,717.4 | 263.5 | -348.2 | 436.5 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 24.71 | 307.12 | 1,808.2 | 288.8 | -381.5 | 478.3 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 24.71 | 307.12 | 1,899.1 | 314.0 | -414.8 | 520.0 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 24.71 | 307.12 | 1,989.9 | 339.2 | -448.1 | 561.8 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 24.71 | 307.12 | 2,080.8 | 364.4 | -481.5 | 603.6 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 24.71 | 307.12 | 2,171.6 | 389.7 | -514.8 | 645.4 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 24.71 | 307.12 | 2,262.5 | 414.9 | -548.1 | 687.1 | 0.00 | 0.00 | 0.00 |
| Wasatch | | | | | | | | | |
| 2,418.2 | 24.71 | 307.12 | 2,279.0 | 419.5 | -554.2 | 694.8 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 24.71 | 307.12 | 2,353.3 | 440.1 | -581.4 | 728.9 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 24.71 | 307.12 | 2,444.1 | 465.3 | -614.8 | 770.7 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 24.71 | 307.12 | 2,535.0 | 490.6 | -648.1 | 812.5 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 24.71 | 307.12 | 2,625.8 | 515.8 | -681.4 | 854.3 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 24.71 | 307.12 | 2,716.7 | 541.0 | -714.7 | 896.0 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 24.71 | 307.12 | 2,807.5 | 566.2 | -748.1 | 937.8 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 24.71 | 307.12 | 2,898.4 | 591.5 | -781.4 | 979.6 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 24.71 | 307.12 | 2,989.2 | 616.7 | -814.7 | 1,021.4 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 24.71 | 307.12 | 3,080.1 | 641.9 | -848.0 | 1,063.2 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 24.71 | 307.12 | 3,170.9 | 667.1 | -881.4 | 1,104.9 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 24.71 | 307.12 | 3,261.8 | 692.4 | -914.7 | 1,146.7 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 24.71 | 307.12 | 3,352.6 | 717.6 | -948.0 | 1,188.5 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 24.71 | 307.12 | 3,443.5 | 742.8 | -981.4 | 1,230.3 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 24.71 | 307.12 | 3,534.3 | 768.0 | -1,014.7 | 1,272.1 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 24.71 | 307.12 | 3,625.1 | 793.3 | -1,048.0 | 1,313.8 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 24.71 | 307.12 | 3,716.0 | 818.5 | -1,081.3 | 1,355.6 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 24.71 | 307.12 | 3,806.8 | 843.7 | -1,114.7 | 1,397.4 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 24.71 | 307.12 | 3,897.7 | 868.9 | -1,148.0 | 1,439.2 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 24.71 | 307.12 | 3,988.5 | 894.2 | -1,181.3 | 1,480.9 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 24.71 | 307.12 | 4,079.4 | 919.4 | -1,214.6 | 1,522.7 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 24.71 | 307.12 | 4,170.2 | 944.6 | -1,248.0 | 1,564.5 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 24.71 | 307.12 | 4,261.1 | 969.8 | -1,281.3 | 1,606.3 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 23D-32 496 - Slot 23D-32 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8431.0usft (H&P #329) |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8431.0usft (H&P #329) |
| Site: | BJU M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 23D-32 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 | | |

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 | 24.71 | 307.12 | 4,351.9 | 995.1 | -1,314.6 | 1,648.1 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 24.71 | 307.12 | 4,442.8 | 1,020.3 | -1,347.9 | 1,689.8 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 24.71 | 307.12 | 4,533.6 | 1,045.5 | -1,381.3 | 1,731.6 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 24.71 | 307.12 | 4,624.5 | 1,070.7 | -1,414.6 | 1,773.4 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 24.71 | 307.12 | 4,715.3 | 1,096.0 | -1,447.9 | 1,815.2 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 24.71 | 307.12 | 4,806.2 | 1,121.2 | -1,481.2 | 1,857.0 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 24.71 | 307.12 | 4,897.0 | 1,146.4 | -1,514.6 | 1,898.7 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 24.71 | 307.12 | 4,987.8 | 1,171.6 | -1,547.9 | 1,940.5 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 24.71 | 307.12 | 5,078.7 | 1,196.9 | -1,581.2 | 1,982.3 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 24.71 | 307.12 | 5,169.5 | 1,222.1 | -1,614.5 | 2,024.1 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 24.71 | 307.12 | 5,260.4 | 1,247.3 | -1,647.9 | 2,065.8 | 0.00 | 0.00 | 0.00 |
| Wasatch G | | | | | | | | | |
| 5,731.5 | 24.71 | 307.12 | 5,289.0 | 1,255.3 | -1,658.4 | 2,079.0 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 24.71 | 307.12 | 5,351.2 | 1,272.5 | -1,681.2 | 2,107.6 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 24.71 | 307.12 | 5,442.1 | 1,297.8 | -1,714.5 | 2,149.4 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 24.71 | 307.12 | 5,532.9 | 1,323.0 | -1,747.8 | 2,191.2 | 0.00 | 0.00 | 0.00 |
| Fort Union | | | | | | | | | |
| 6,033.1 | 24.71 | 307.12 | 5,563.0 | 1,331.3 | -1,758.9 | 2,205.0 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 24.71 | 307.12 | 5,623.8 | 1,348.2 | -1,781.2 | 2,233.0 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 24.71 | 307.12 | 5,714.6 | 1,373.4 | -1,814.5 | 2,274.7 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 24.71 | 307.12 | 5,805.5 | 1,398.7 | -1,847.8 | 2,316.5 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 24.71 | 307.12 | 5,896.3 | 1,423.9 | -1,881.1 | 2,358.3 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 24.71 | 307.12 | 5,987.2 | 1,449.1 | -1,914.5 | 2,400.1 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 24.71 | 307.12 | 6,078.0 | 1,474.3 | -1,947.8 | 2,441.9 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 24.71 | 307.12 | 6,168.9 | 1,499.6 | -1,981.1 | 2,483.6 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 24.71 | 307.12 | 6,259.7 | 1,524.8 | -2,014.4 | 2,525.4 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 24.71 | 307.12 | 6,350.5 | 1,550.0 | -2,047.8 | 2,567.2 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 24.71 | 307.12 | 6,441.4 | 1,575.2 | -2,081.1 | 2,609.0 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 24.71 | 307.12 | 6,532.2 | 1,600.5 | -2,114.4 | 2,650.7 | 0.00 | 0.00 | 0.00 |
| Start Drop -3.00 | | | | | | | | | |
| 7,188.6 | 24.71 | 307.12 | 6,612.8 | 1,622.8 | -2,144.0 | 2,687.8 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 24.36 | 307.12 | 6,623.1 | 1,625.7 | -2,147.7 | 2,692.5 | 3.00 | -3.00 | 0.00 |
| 7,300.0 | 21.36 | 307.12 | 6,715.2 | 1,649.1 | -2,178.7 | 2,731.3 | 3.00 | -3.00 | 0.00 |
| 7,400.0 | 18.36 | 307.12 | 6,809.3 | 1,669.6 | -2,205.8 | 2,765.3 | 3.00 | -3.00 | 0.00 |
| 7,500.0 | 15.36 | 307.12 | 6,905.0 | 1,687.1 | -2,228.9 | 2,794.3 | 3.00 | -3.00 | 0.00 |
| 7,600.0 | 12.36 | 307.12 | 7,002.0 | 1,701.6 | -2,248.0 | 2,818.2 | 3.00 | -3.00 | 0.00 |
| 7,700.0 | 9.36 | 307.12 | 7,100.2 | 1,713.0 | -2,263.1 | 2,837.1 | 3.00 | -3.00 | 0.00 |
| 7,800.0 | 6.36 | 307.12 | 7,199.3 | 1,721.2 | -2,274.0 | 2,850.8 | 3.00 | -3.00 | 0.00 |
| 7,900.0 | 3.36 | 307.12 | 7,298.9 | 1,726.3 | -2,280.7 | 2,859.2 | 3.00 | -3.00 | 0.00 |
| 8,000.0 | 0.36 | 307.12 | 7,398.8 | 1,728.3 | -2,283.3 | 2,862.5 | 3.00 | -3.00 | 0.00 |
| Start DLS 1.50 TFO 249.98 - Ohio Creek | | | | | | | | | |
| 8,012.2 | 0.00 | 0.00 | 7,411.0 | 1,728.3 | -2,283.4 | 2,862.5 | 3.00 | -3.00 | 0.00 |
| Start 3872.9 hold at 8109.6 MD | | | | | | | | | |
| 8,109.6 | 1.46 | 249.98 | 7,508.4 | 1,727.9 | -2,284.5 | 2,863.2 | 1.50 | 1.50 | 0.00 |
| 8,200.0 | 1.46 | 249.98 | 7,598.8 | 1,727.1 | -2,286.7 | 2,864.5 | 0.00 | 0.00 | 0.00 |
| TOG | | | | | | | | | |
| 8,279.2 | 1.46 | 249.98 | 7,678.0 | 1,726.4 | -2,288.6 | 2,865.7 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 8,285.2 | 1.46 | 249.98 | 7,684.0 | 1,726.4 | -2,288.7 | 2,865.8 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 1.46 | 249.98 | 7,698.8 | 1,726.2 | -2,289.1 | 2,866.0 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 1.46 | 249.98 | 7,798.7 | 1,725.4 | -2,291.5 | 2,867.4 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 1.46 | 249.98 | 7,898.7 | 1,724.5 | -2,293.9 | 2,868.9 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 1.46 | 249.98 | 7,998.7 | 1,723.6 | -2,296.3 | 2,870.3 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 23D-32 496 - Slot 23D-32 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8431.0usft (H&P #329) |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8431.0usft (H&P #329) |
| Site: | BJU M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 23D-32 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 | | |

| 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) | |
| 8,700.0 | 1.46 | 249.98 | 8,098.6 | 1,722.8 | -2,298.7 | 2,871.8 | 0.00 | 0.00 | 0.00 | |
| 8,800.0 | 1.46 | 249.98 | 8,198.6 | 1,721.9 | -2,301.1 | 2,873.2 | 0.00 | 0.00 | 0.00 | |
| 8,900.0 | 1.46 | 249.98 | 8,298.6 | 1,721.0 | -2,303.5 | 2,874.6 | 0.00 | 0.00 | 0.00 | |
| 9,000.0 | 1.46 | 249.98 | 8,398.5 | 1,720.1 | -2,305.9 | 2,876.1 | 0.00 | 0.00 | 0.00 | |
| 9,100.0 | 1.46 | 249.98 | 8,498.5 | 1,719.3 | -2,308.2 | 2,877.5 | 0.00 | 0.00 | 0.00 | |
| 9,200.0 | 1.46 | 249.98 | 8,598.5 | 1,718.4 | -2,310.6 | 2,879.0 | 0.00 | 0.00 | 0.00 | |
| 9,300.0 | 1.46 | 249.98 | 8,698.4 | 1,717.5 | -2,313.0 | 2,880.4 | 0.00 | 0.00 | 0.00 | |
| 9,400.0 | 1.46 | 249.98 | 8,798.4 | 1,716.6 | -2,315.4 | 2,881.9 | 0.00 | 0.00 | 0.00 | |
| 9,500.0 | 1.46 | 249.98 | 8,898.4 | 1,715.8 | -2,317.8 | 2,883.3 | 0.00 | 0.00 | 0.00 | |
| 9,600.0 | 1.46 | 249.98 | 8,998.3 | 1,714.9 | -2,320.2 | 2,884.8 | 0.00 | 0.00 | 0.00 | |
| 9,700.0 | 1.46 | 249.98 | 9,098.3 | 1,714.0 | -2,322.6 | 2,886.2 | 0.00 | 0.00 | 0.00 | |
| 9,800.0 | 1.46 | 249.98 | 9,198.3 | 1,713.2 | -2,325.0 | 2,887.6 | 0.00 | 0.00 | 0.00 | |
| 9,900.0 | 1.46 | 249.98 | 9,298.2 | 1,712.3 | -2,327.4 | 2,889.1 | 0.00 | 0.00 | 0.00 | |
| 10,000.0 | 1.46 | 249.98 | 9,398.2 | 1,711.4 | -2,329.8 | 2,890.5 | 0.00 | 0.00 | 0.00 | |
| 10,100.0 | 1.46 | 249.98 | 9,498.2 | 1,710.5 | -2,332.2 | 2,892.0 | 0.00 | 0.00 | 0.00 | |
| 10,200.0 | 1.46 | 249.98 | 9,598.2 | 1,709.7 | -2,334.6 | 2,893.4 | 0.00 | 0.00 | 0.00 | |
| 10,300.0 | 1.46 | 249.98 | 9,698.1 | 1,708.8 | -2,337.0 | 2,894.9 | 0.00 | 0.00 | 0.00 | |
| 10,400.0 | 1.46 | 249.98 | 9,798.1 | 1,707.9 | -2,339.4 | 2,896.3 | 0.00 | 0.00 | 0.00 | |
| 10,500.0 | 1.46 | 249.98 | 9,898.1 | 1,707.0 | -2,341.8 | 2,897.8 | 0.00 | 0.00 | 0.00 | |
| 10,600.0 | 1.46 | 249.98 | 9,998.0 | 1,706.2 | -2,344.2 | 2,899.2 | 0.00 | 0.00 | 0.00 | |
| 10,700.0 | 1.46 | 249.98 | 10,098.0 | 1,705.3 | -2,346.6 | 2,900.6 | 0.00 | 0.00 | 0.00 | |
| 10,800.0 | 1.46 | 249.98 | 10,198.0 | 1,704.4 | -2,349.0 | 2,902.1 | 0.00 | 0.00 | 0.00 | |
| Cameo | | | | | | | | | | |
| 10,836.1 | 1.46 | 249.98 | 10,234.0 | 1,704.1 | -2,349.8 | 2,902.6 | 0.00 | 0.00 | 0.00 | |
| 10,900.0 | 1.46 | 249.98 | 10,297.9 | 1,703.5 | -2,351.4 | 2,903.5 | 0.00 | 0.00 | 0.00 | |
| 11,000.0 | 1.46 | 249.98 | 10,397.9 | 1,702.7 | -2,353.8 | 2,905.0 | 0.00 | 0.00 | 0.00 | |
| 11,100.0 | 1.46 | 249.98 | 10,497.9 | 1,701.8 | -2,356.2 | 2,906.4 | 0.00 | 0.00 | 0.00 | |
| 11,200.0 | 1.46 | 249.98 | 10,597.8 | 1,700.9 | -2,358.6 | 2,907.9 | 0.00 | 0.00 | 0.00 | |
| 11,300.0 | 1.46 | 249.98 | 10,697.8 | 1,700.1 | -2,361.0 | 2,909.3 | 0.00 | 0.00 | 0.00 | |
| 11,400.0 | 1.46 | 249.98 | 10,797.8 | 1,699.2 | -2,363.3 | 2,910.8 | 0.00 | 0.00 | 0.00 | |
| Rollins | | | | | | | | | | |
| 11,482.3 | 1.46 | 249.98 | 10,880.0 | 1,698.5 | -2,365.3 | 2,911.9 | 0.00 | 0.00 | 0.00 | |
| 11,500.0 | 1.46 | 249.98 | 10,897.7 | 1,698.3 | -2,365.7 | 2,912.2 | 0.00 | 0.00 | 0.00 | |
| 11,600.0 | 1.46 | 249.98 | 10,997.7 | 1,697.4 | -2,368.1 | 2,913.6 | 0.00 | 0.00 | 0.00 | |
| 11,700.0 | 1.46 | 249.98 | 11,097.7 | 1,696.6 | -2,370.5 | 2,915.1 | 0.00 | 0.00 | 0.00 | |
| 11,800.0 | 1.46 | 249.98 | 11,197.6 | 1,695.7 | -2,372.9 | 2,916.5 | 0.00 | 0.00 | 0.00 | |
| 11,900.0 | 1.46 | 249.98 | 11,297.6 | 1,694.8 | -2,375.3 | 2,918.0 | 0.00 | 0.00 | 0.00 | |
| TD at 11982.4 | | | | | | | | | | |
| 11,982.4 | 1.46 | 249.98 | 11,380.0 | 1,694.1 | -2,377.3 | 2,919.2 | 0.00 | 0.00 | 0.00 | |

| Design Targets | | | | | | | | | | |
|--|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|--|
| Target Name | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude | |
| OHCR - 23D-32 - hit/miss target - Shape - Point | 0.00 | 0.00 | 7,411.0 | 1,728.3 | -2,283.4 | 14,414,066.28 | 2,432,521.73 | 39.658362 | -108.185830 | |
| PBHL - 23D-32 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi) | 0.00 | 0.00 | 11,380.0 | 1,694.1 | -2,377.3 | 14,414,029.10 | 2,432,428.90 | 39.658268 | -108.186163 | |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 23D-32 496 - Slot 23D-32 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8431.0usft (H&P #329) |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8431.0usft (H&P #329) |
| Site: | BJU M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 23D-32 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #4 | | |

Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|---------------|-----------|---------|-------------------|
| 2,418.2 | 2,279.0 | Wasatch | | | |
| 5,731.5 | 5,289.0 | Wasatch G | | | |
| 6,033.1 | 5,563.0 | Fort Union | | | |
| 8,012.2 | 7,411.0 | Ohio Creek | | | |
| 8,279.2 | 7,678.0 | TOG | | | |
| 8,285.2 | 7,684.0 | Williams Fork | | | |
| 10,836.1 | 10,234.0 | Cameo | | | |
| 11,482.3 | 10,880.0 | Rollins | | | |

Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------|-----------------------|-------------------|--------------|--------------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 350.0 | 350.0 | 0.0 | 0.0 | Start Build 3.00 |
| 1,173.5 | 1,148.2 | 105.5 | -139.4 | Start 6015.1 hold at 1173.5 MD |
| 7,188.6 | 6,612.8 | 1,622.8 | -2,144.0 | Start Drop -3.00 |
| 8,012.2 | 7,411.0 | 1,728.3 | -2,283.4 | Start DLS 1.50 TFO 249.98 |
| 8,109.6 | 7,508.4 | 1,727.9 | -2,284.5 | Start 3872.9 hold at 8109.6 MD |
| 11,982.4 | 11,380.0 | 1,694.1 | -2,377.3 | TD at 11982.4 |