

Project: Garfield County, CO
Site: BJU M23A 496 Pad
Well: BJU M23A FED 12B-23 496
Wellbore: Wellbore #1
Design: Design #1
Latitude: 39.684576
Longitude: -108.140039
Ground Level: 8104.0
RKB @ 8134.0usft (30')

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

REFERENCE INFORMATION
Vertical (TVD) Reference: RKB @ 8134.0usft (30')
Section (VS) Reference: Slot - BJU M23A FED 12B-23 496(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8134.0usft (30')
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|--------------|
| 3569.0 | 3747.2 | Wasatch |
| 5969.0 | 6310.8 | Wasatch G |
| 6269.0 | 6631.3 | Fort Union |
| 8201.0 | 8663.9 | Ohio Creek |
| 8201.0 | 8663.9 | TOG |
| 8663.0 | 9126.0 | William Fork |
| 11442.0 | 11906.0 | Cameo |
| 11942.0 | 12406.1 | Rollins |

SECTION DETAILS

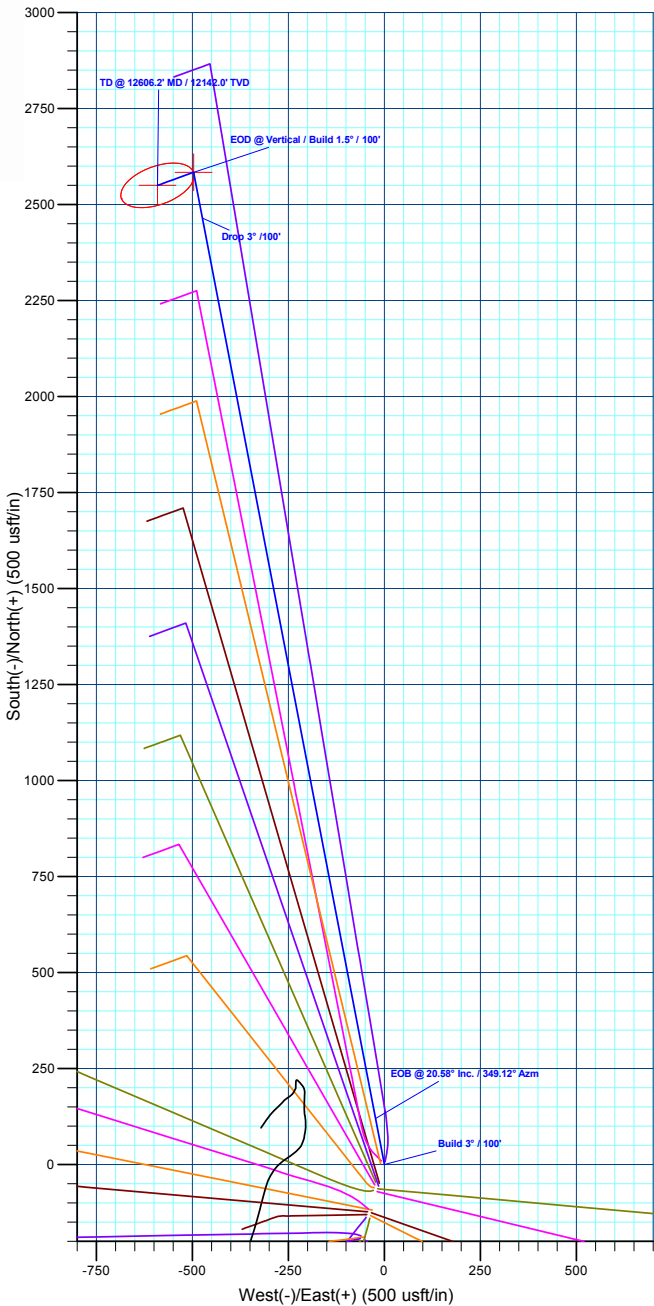
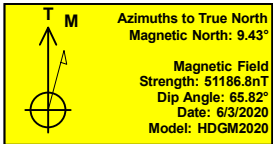
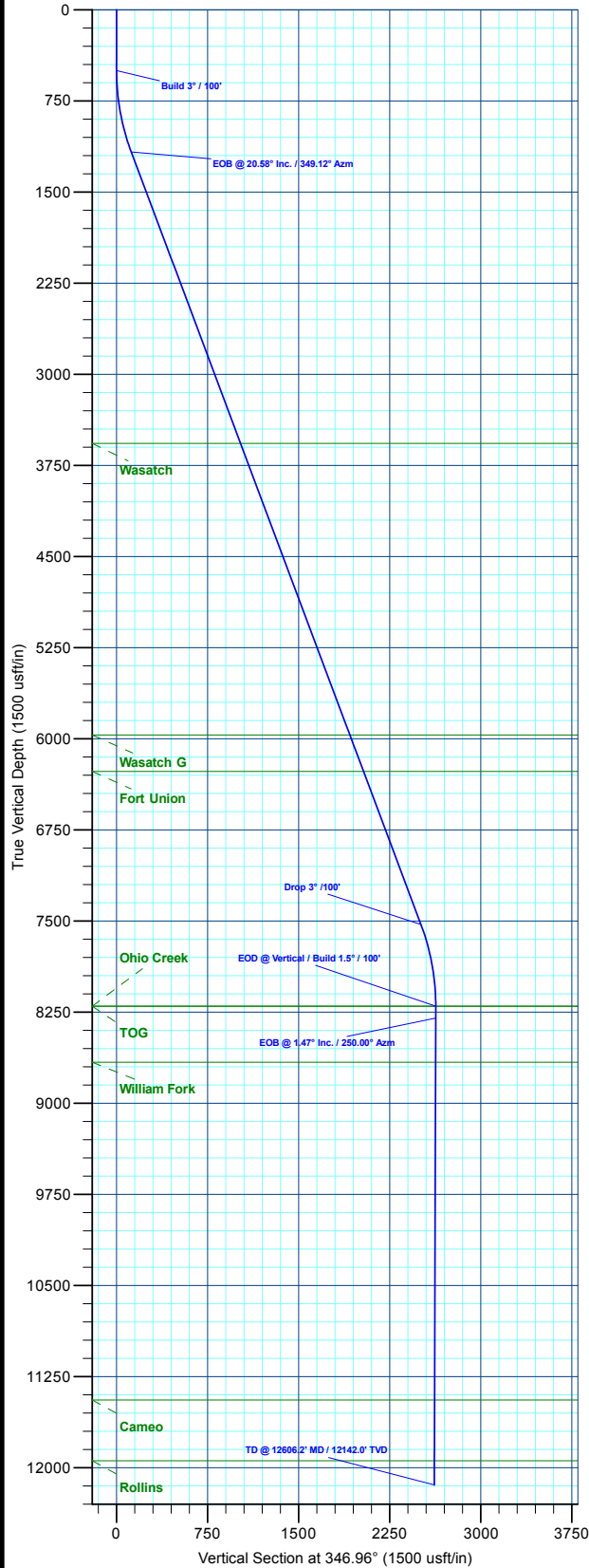
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Diep | TFace | VSect | Annotation |
|---------|-------|--------|---------|--------|--------|------|--------|--------|------------------------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Build 3° / 100' |
| 1186.1 | 20.58 | 349.12 | 1171.5 | 119.7 | -23.0 | 3.00 | 349.12 | 121.8 | EOB @ 20.58° Inc. / 349.12° Azm |
| 7977.8 | 20.58 | 349.12 | 7529.5 | 2464.6 | -473.8 | 0.00 | 0.00 | 2507.9 | Drop 3° / 100' |
| 8663.9 | 0.00 | 0.00 | 8201.0 | 2584.3 | -496.8 | 3.00 | 180.00 | 2629.8 | EOD @ Vertical / Build 1.5° / 100' |
| 8762.0 | 1.47 | 250.00 | 8299.1 | 2583.9 | -498.0 | 1.50 | 250.00 | 2629.6 | EOB @ 1.47° Inc. / 250.00° Azm |
| 12606.2 | 1.47 | 250.00 | 12142.0 | 2550.1 | -590.8 | 0.00 | 0.00 | 2617.7 | TD @ 12606.2° MD / 12142.0° TVD |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---------------|---------|--------|--------|-------------|------------|-----------|-------------|
| OHCR - 12B-23 | 8201.0 | 2584.3 | -496.8 | 14426588.38 | 2444528.93 | 39.691668 | -108.141803 |
| PBHL - 12B-23 | 12142.0 | 2550.1 | -590.8 | 14426551.20 | 2444436.10 | 39.691574 | -108.142137 |

WELL DETAILS: BJU M23A FED 12B-23 496

| +N/-S | +E/-W | Ground Level : 8104.0 | Latitude | Longitude |
|-------|-------|--|-----------|-------------|
| 0.0 | 0.0 | Northing 14424021.20 Easting 2445107.90 | 39.684576 | -108.140039 |



Plan: Design #1 (BJU M23A FED 12B-23 496/Wellbore #1)

Created By: Will Jircik Date: 17:49, June 04 2020



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 12B-23 496 - Slot BJU M23A FED 12B-23 496

Wellbore #1

Plan: Design #1

QES Well Planning Report

04 June, 2020



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M23A FED 12B-23 496 - Slot BJU M23A FED 12B-23 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8134.0usft (30') |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8134.0usft (30') |
| Site: | BJU M23A 496 Pad | North Reference: | True |
| Well: | BJU M23A FED 12B-23 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| 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 M23A 496 Pad | | |
| Site Position: | | Northing: | 14,424,028.50 usft |
| From: | Map | Easting: | 2,445,109.60 usft |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 39.684596 |
| | | Longitude: | -108.140032 |
| | | Grid Convergence: | 1.83 ° |

| | | | |
|-----------------------------|--|----------------------------|-------------------------------------|
| Well | BJU M23A FED 12B-23 496 - Slot BJU M23A FED 12B-23 496 | | |
| Well Position | +N/-S | -7.2 usft | Northing: 14,424,021.20 usft |
| | +E/-W | -1.9 usft | Easting: 2,445,107.90 usft |
| Position Uncertainty | 0.0 usft | Wellhead Elevation: | Latitude: 39.684576 |
| | | | Longitude: -108.140039 |
| | | | Ground Level: 8,104.0 usft |

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|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM2020 | 6/3/2020 | 9.43 | 65.82 | 51,186.80000000 |

| | | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|--|
| 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 | 346.96 | |

| | | | | | | | | | | | |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|---------------|--|
| 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 | | |
| 1,186.1 | 20.58 | 349.12 | 1,171.5 | 119.7 | -23.0 | 3.00 | 3.00 | 0.00 | 349.12 | | |
| 7,977.8 | 20.58 | 349.12 | 7,529.5 | 2,464.6 | -473.8 | 0.00 | 0.00 | 0.00 | 0.00 | | |
| 8,663.9 | 0.00 | 0.00 | 8,201.0 | 2,584.3 | -496.8 | 3.00 | -3.00 | 0.00 | 180.00 | OHCR - 12B-23 | |
| 8,762.0 | 1.47 | 250.00 | 8,299.1 | 2,583.9 | -498.0 | 1.50 | 1.50 | -112.11 | 250.00 | | |
| 12,606.2 | 1.47 | 250.00 | 12,142.0 | 2,550.1 | -590.8 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL - 12B-23 | |

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|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M23A FED 12B-23 496 - Slot BJU M23A FED 12B-23 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8134.0usft (30') |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8134.0usft (30') |
| Site: | BJU M23A 496 Pad | North Reference: | True |
| Well: | BJU M23A FED 12B-23 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| 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 | 349.12 | 600.0 | 2.6 | -0.5 | 2.6 | 3.00 | 3.00 | 0.00 |
| 700.0 | 6.00 | 349.12 | 699.6 | 10.3 | -2.0 | 10.5 | 3.00 | 3.00 | 0.00 |
| 800.0 | 9.00 | 349.12 | 798.8 | 23.1 | -4.4 | 23.5 | 3.00 | 3.00 | 0.00 |
| 900.0 | 12.00 | 349.12 | 897.1 | 41.0 | -7.9 | 41.7 | 3.00 | 3.00 | 0.00 |
| 1,000.0 | 15.00 | 349.12 | 994.3 | 63.9 | -12.3 | 65.0 | 3.00 | 3.00 | 0.00 |
| 1,100.0 | 18.00 | 349.12 | 1,090.2 | 91.8 | -17.6 | 93.4 | 3.00 | 3.00 | 0.00 |
| EOB @ 20.58° Inc. / 349.12° Azm | | | | | | | | | |
| 1,186.1 | 20.58 | 349.12 | 1,171.5 | 119.7 | -23.0 | 121.8 | 3.00 | 3.00 | 0.00 |
| 1,200.0 | 20.58 | 349.12 | 1,184.5 | 124.5 | -23.9 | 126.7 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 20.58 | 349.12 | 1,278.1 | 159.1 | -30.6 | 161.8 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 20.58 | 349.12 | 1,371.7 | 193.6 | -37.2 | 197.0 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 20.58 | 349.12 | 1,465.3 | 228.1 | -43.9 | 232.1 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 20.58 | 349.12 | 1,558.9 | 262.6 | -50.5 | 267.2 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 20.58 | 349.12 | 1,652.5 | 297.2 | -57.1 | 302.4 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 20.58 | 349.12 | 1,746.1 | 331.7 | -63.8 | 337.5 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 20.58 | 349.12 | 1,839.8 | 366.2 | -70.4 | 372.6 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 20.58 | 349.12 | 1,933.4 | 400.7 | -77.0 | 407.8 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 20.58 | 349.12 | 2,027.0 | 435.3 | -83.7 | 442.9 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 20.58 | 349.12 | 2,120.6 | 469.8 | -90.3 | 478.0 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 20.58 | 349.12 | 2,214.2 | 504.3 | -96.9 | 513.2 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 20.58 | 349.12 | 2,307.8 | 538.8 | -103.6 | 548.3 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 20.58 | 349.12 | 2,401.5 | 573.4 | -110.2 | 583.4 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 20.58 | 349.12 | 2,495.1 | 607.9 | -116.9 | 618.6 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 20.58 | 349.12 | 2,588.7 | 642.4 | -123.5 | 653.7 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 20.58 | 349.12 | 2,682.3 | 676.9 | -130.1 | 688.8 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 20.58 | 349.12 | 2,775.9 | 711.5 | -136.8 | 724.0 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 20.58 | 349.12 | 2,869.5 | 746.0 | -143.4 | 759.1 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 20.58 | 349.12 | 2,963.2 | 780.5 | -150.0 | 794.2 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 20.58 | 349.12 | 3,056.8 | 815.0 | -156.7 | 829.4 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 20.58 | 349.12 | 3,150.4 | 849.6 | -163.3 | 864.5 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 20.58 | 349.12 | 3,244.0 | 884.1 | -170.0 | 899.6 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 20.58 | 349.12 | 3,337.6 | 918.6 | -176.6 | 934.8 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 20.58 | 349.12 | 3,431.2 | 953.1 | -183.2 | 969.9 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 20.58 | 349.12 | 3,524.8 | 987.7 | -189.9 | 1,005.0 | 0.00 | 0.00 | 0.00 |
| Wasatch | | | | | | | | | |
| 3,747.2 | 20.58 | 349.12 | 3,569.0 | 1,003.9 | -193.0 | 1,021.6 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 20.58 | 349.12 | 3,618.5 | 1,022.2 | -196.5 | 1,040.2 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 20.58 | 349.12 | 3,712.1 | 1,056.7 | -203.1 | 1,075.3 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 20.58 | 349.12 | 3,805.7 | 1,091.2 | -209.8 | 1,110.4 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 20.58 | 349.12 | 3,899.3 | 1,125.8 | -216.4 | 1,145.6 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 20.58 | 349.12 | 3,992.9 | 1,160.3 | -223.1 | 1,180.7 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 20.58 | 349.12 | 4,086.5 | 1,194.8 | -229.7 | 1,215.8 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 20.58 | 349.12 | 4,180.2 | 1,229.3 | -236.3 | 1,251.0 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 20.58 | 349.12 | 4,273.8 | 1,263.9 | -243.0 | 1,286.1 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 20.58 | 349.12 | 4,367.4 | 1,298.4 | -249.6 | 1,321.2 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 20.58 | 349.12 | 4,461.0 | 1,332.9 | -256.2 | 1,356.4 | 0.00 | 0.00 | 0.00 |

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|------------------|---------------------------|-------------------------------------|---|
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| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8134.0usft (30') |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8134.0usft (30') |
| Site: | BJU M23A 496 Pad | North Reference: | True |
| Well: | BJU M23A FED 12B-23 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| 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) |
|--|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|------------------------|-----------------------|
| 4,800.0 | 20.58 | 349.12 | 4,554.6 | 1,367.4 | -262.9 | 1,391.5 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 20.58 | 349.12 | 4,648.2 | 1,402.0 | -269.5 | 1,426.6 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 20.58 | 349.12 | 4,741.9 | 1,436.5 | -276.2 | 1,461.8 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 20.58 | 349.12 | 4,835.5 | 1,471.0 | -282.8 | 1,496.9 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 20.58 | 349.12 | 4,929.1 | 1,505.6 | -289.4 | 1,532.0 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 20.58 | 349.12 | 5,022.7 | 1,540.1 | -296.1 | 1,567.2 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 20.58 | 349.12 | 5,116.3 | 1,574.6 | -302.7 | 1,602.3 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 20.58 | 349.12 | 5,209.9 | 1,609.1 | -309.3 | 1,637.4 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 20.58 | 349.12 | 5,303.5 | 1,643.7 | -316.0 | 1,672.6 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 20.58 | 349.12 | 5,397.2 | 1,678.2 | -322.6 | 1,707.7 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 20.58 | 349.12 | 5,490.8 | 1,712.7 | -329.3 | 1,742.8 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 20.58 | 349.12 | 5,584.4 | 1,747.2 | -335.9 | 1,778.0 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 20.58 | 349.12 | 5,678.0 | 1,781.8 | -342.5 | 1,813.1 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 20.58 | 349.12 | 5,771.6 | 1,816.3 | -349.2 | 1,848.2 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 20.58 | 349.12 | 5,865.2 | 1,850.8 | -355.8 | 1,883.4 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 20.58 | 349.12 | 5,958.9 | 1,885.3 | -362.4 | 1,918.5 | 0.00 | 0.00 | 0.00 |
| Wasatch G | | | | | | | | | |
| 6,310.8 | 20.58 | 349.12 | 5,969.0 | 1,889.1 | -363.2 | 1,922.3 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 20.58 | 349.12 | 6,052.5 | 1,919.9 | -369.1 | 1,953.6 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 20.58 | 349.12 | 6,146.1 | 1,954.4 | -375.7 | 1,988.8 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 20.58 | 349.12 | 6,239.7 | 1,988.9 | -382.4 | 2,023.9 | 0.00 | 0.00 | 0.00 |
| Fort Union | | | | | | | | | |
| 6,631.3 | 20.58 | 349.12 | 6,269.0 | 1,999.7 | -384.4 | 2,034.9 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 20.58 | 349.12 | 6,333.3 | 2,023.4 | -389.0 | 2,059.0 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 20.58 | 349.12 | 6,426.9 | 2,058.0 | -395.6 | 2,094.2 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 20.58 | 349.12 | 6,520.6 | 2,092.5 | -402.3 | 2,129.3 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 20.58 | 349.12 | 6,614.2 | 2,127.0 | -408.9 | 2,164.4 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 20.58 | 349.12 | 6,707.8 | 2,161.5 | -415.5 | 2,199.6 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 20.58 | 349.12 | 6,801.4 | 2,196.1 | -422.2 | 2,234.7 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 20.58 | 349.12 | 6,895.0 | 2,230.6 | -428.8 | 2,269.8 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 20.58 | 349.12 | 6,988.6 | 2,265.1 | -435.4 | 2,304.9 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 20.58 | 349.12 | 7,082.2 | 2,299.6 | -442.1 | 2,340.1 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 20.58 | 349.12 | 7,175.9 | 2,334.2 | -448.7 | 2,375.2 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 20.58 | 349.12 | 7,269.5 | 2,368.7 | -455.4 | 2,410.3 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 20.58 | 349.12 | 7,363.1 | 2,403.2 | -462.0 | 2,445.5 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 20.58 | 349.12 | 7,456.7 | 2,437.7 | -468.6 | 2,480.6 | 0.00 | 0.00 | 0.00 |
| Drop 3° /100' | | | | | | | | | |
| 7,977.8 | 20.58 | 349.12 | 7,529.5 | 2,464.6 | -473.8 | 2,507.9 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 19.92 | 349.12 | 7,550.4 | 2,472.1 | -475.3 | 2,515.6 | 3.00 | -3.00 | 0.00 |
| 8,100.0 | 16.92 | 349.12 | 7,645.2 | 2,503.2 | -481.2 | 2,547.2 | 3.00 | -3.00 | 0.00 |
| 8,200.0 | 13.92 | 349.12 | 7,741.6 | 2,529.3 | -486.2 | 2,573.8 | 3.00 | -3.00 | 0.00 |
| 8,300.0 | 10.92 | 349.12 | 7,839.3 | 2,550.4 | -490.3 | 2,595.2 | 3.00 | -3.00 | 0.00 |
| 8,400.0 | 7.92 | 349.12 | 7,937.9 | 2,566.5 | -493.4 | 2,611.6 | 3.00 | -3.00 | 0.00 |
| 8,500.0 | 4.92 | 349.12 | 8,037.3 | 2,577.4 | -495.5 | 2,622.8 | 3.00 | -3.00 | 0.00 |
| 8,600.0 | 1.92 | 349.12 | 8,137.1 | 2,583.3 | -496.6 | 2,628.7 | 3.00 | -3.00 | 0.00 |
| EOD @ Vertical / Build 1.5° / 100° - Ohio Creek - TOG | | | | | | | | | |
| 8,663.9 | 0.00 | 0.00 | 8,201.0 | 2,584.3 | -496.8 | 2,629.8 | 3.00 | -3.00 | 17.02 |
| 8,700.0 | 0.54 | 250.00 | 8,237.1 | 2,584.3 | -497.0 | 2,629.8 | 1.50 | 1.50 | -304.87 |
| EOB @ 1.47° Inc. / 250.00° Azm | | | | | | | | | |
| 8,762.0 | 1.47 | 250.00 | 8,299.1 | 2,583.9 | -498.0 | 2,629.6 | 1.50 | 1.50 | 0.00 |
| 8,800.0 | 1.47 | 250.00 | 8,337.1 | 2,583.6 | -498.9 | 2,629.5 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 1.47 | 250.00 | 8,437.0 | 2,582.7 | -501.3 | 2,629.2 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M23A FED 12B-23 496 - Slot BJU M23A FED 12B-23 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8134.0usft (30') |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8134.0usft (30') |
| Site: | BJU M23A 496 Pad | North Reference: | True |
| Well: | BJU M23A FED 12B-23 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| 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) | |
| 9,000.0 | 1.47 | 250.00 | 8,537.0 | 2,581.8 | -503.7 | 2,628.9 | 0.00 | 0.00 | 0.00 | |
| 9,100.0 | 1.47 | 250.00 | 8,637.0 | 2,580.9 | -506.2 | 2,628.6 | 0.00 | 0.00 | 0.00 | |
| William Fork | | | | | | | | | | |
| 9,126.0 | 1.47 | 250.00 | 8,663.0 | 2,580.7 | -506.8 | 2,628.5 | 0.00 | 0.00 | 0.00 | |
| 9,200.0 | 1.47 | 250.00 | 8,736.9 | 2,580.1 | -508.6 | 2,628.3 | 0.00 | 0.00 | 0.00 | |
| 9,300.0 | 1.47 | 250.00 | 8,836.9 | 2,579.2 | -511.0 | 2,628.0 | 0.00 | 0.00 | 0.00 | |
| 9,400.0 | 1.47 | 250.00 | 8,936.9 | 2,578.3 | -513.4 | 2,627.6 | 0.00 | 0.00 | 0.00 | |
| 9,500.0 | 1.47 | 250.00 | 9,036.8 | 2,577.4 | -515.8 | 2,627.3 | 0.00 | 0.00 | 0.00 | |
| 9,600.0 | 1.47 | 250.00 | 9,136.8 | 2,576.5 | -518.2 | 2,627.0 | 0.00 | 0.00 | 0.00 | |
| 9,700.0 | 1.47 | 250.00 | 9,236.8 | 2,575.7 | -520.6 | 2,626.7 | 0.00 | 0.00 | 0.00 | |
| 9,800.0 | 1.47 | 250.00 | 9,336.7 | 2,574.8 | -523.1 | 2,626.4 | 0.00 | 0.00 | 0.00 | |
| 9,900.0 | 1.47 | 250.00 | 9,436.7 | 2,573.9 | -525.5 | 2,626.1 | 0.00 | 0.00 | 0.00 | |
| 10,000.0 | 1.47 | 250.00 | 9,536.7 | 2,573.0 | -527.9 | 2,625.8 | 0.00 | 0.00 | 0.00 | |
| 10,100.0 | 1.47 | 250.00 | 9,636.6 | 2,572.2 | -530.3 | 2,625.5 | 0.00 | 0.00 | 0.00 | |
| 10,200.0 | 1.47 | 250.00 | 9,736.6 | 2,571.3 | -532.7 | 2,625.2 | 0.00 | 0.00 | 0.00 | |
| 10,300.0 | 1.47 | 250.00 | 9,836.6 | 2,570.4 | -535.1 | 2,624.8 | 0.00 | 0.00 | 0.00 | |
| 10,400.0 | 1.47 | 250.00 | 9,936.5 | 2,569.5 | -537.5 | 2,624.5 | 0.00 | 0.00 | 0.00 | |
| 10,500.0 | 1.47 | 250.00 | 10,036.5 | 2,568.6 | -539.9 | 2,624.2 | 0.00 | 0.00 | 0.00 | |
| 10,600.0 | 1.47 | 250.00 | 10,136.5 | 2,567.8 | -542.4 | 2,623.9 | 0.00 | 0.00 | 0.00 | |
| 10,700.0 | 1.47 | 250.00 | 10,236.4 | 2,566.9 | -544.8 | 2,623.6 | 0.00 | 0.00 | 0.00 | |
| 10,800.0 | 1.47 | 250.00 | 10,336.4 | 2,566.0 | -547.2 | 2,623.3 | 0.00 | 0.00 | 0.00 | |
| 10,900.0 | 1.47 | 250.00 | 10,436.4 | 2,565.1 | -549.6 | 2,623.0 | 0.00 | 0.00 | 0.00 | |
| 11,000.0 | 1.47 | 250.00 | 10,536.3 | 2,564.2 | -552.0 | 2,622.7 | 0.00 | 0.00 | 0.00 | |
| 11,100.0 | 1.47 | 250.00 | 10,636.3 | 2,563.4 | -554.4 | 2,622.4 | 0.00 | 0.00 | 0.00 | |
| 11,200.0 | 1.47 | 250.00 | 10,736.3 | 2,562.5 | -556.8 | 2,622.0 | 0.00 | 0.00 | 0.00 | |
| 11,300.0 | 1.47 | 250.00 | 10,836.2 | 2,561.6 | -559.3 | 2,621.7 | 0.00 | 0.00 | 0.00 | |
| 11,400.0 | 1.47 | 250.00 | 10,936.2 | 2,560.7 | -561.7 | 2,621.4 | 0.00 | 0.00 | 0.00 | |
| 11,500.0 | 1.47 | 250.00 | 11,036.2 | 2,559.9 | -564.1 | 2,621.1 | 0.00 | 0.00 | 0.00 | |
| 11,600.0 | 1.47 | 250.00 | 11,136.1 | 2,559.0 | -566.5 | 2,620.8 | 0.00 | 0.00 | 0.00 | |
| 11,700.0 | 1.47 | 250.00 | 11,236.1 | 2,558.1 | -568.9 | 2,620.5 | 0.00 | 0.00 | 0.00 | |
| 11,800.0 | 1.47 | 250.00 | 11,336.1 | 2,557.2 | -571.3 | 2,620.2 | 0.00 | 0.00 | 0.00 | |
| 11,900.0 | 1.47 | 250.00 | 11,436.0 | 2,556.3 | -573.7 | 2,619.9 | 0.00 | 0.00 | 0.00 | |
| Cameo | | | | | | | | | | |
| 11,906.0 | 1.47 | 250.00 | 11,442.0 | 2,556.3 | -573.9 | 2,619.9 | 0.00 | 0.00 | 0.00 | |
| 12,000.0 | 1.47 | 250.00 | 11,536.0 | 2,555.5 | -576.2 | 2,619.6 | 0.00 | 0.00 | 0.00 | |
| 12,100.0 | 1.47 | 250.00 | 11,636.0 | 2,554.6 | -578.6 | 2,619.2 | 0.00 | 0.00 | 0.00 | |
| 12,200.0 | 1.47 | 250.00 | 11,735.9 | 2,553.7 | -581.0 | 2,618.9 | 0.00 | 0.00 | 0.00 | |
| 12,300.0 | 1.47 | 250.00 | 11,835.9 | 2,552.8 | -583.4 | 2,618.6 | 0.00 | 0.00 | 0.00 | |
| 12,400.0 | 1.47 | 250.00 | 11,935.9 | 2,551.9 | -585.8 | 2,618.3 | 0.00 | 0.00 | 0.00 | |
| Rollins | | | | | | | | | | |
| 12,406.1 | 1.47 | 250.00 | 11,942.0 | 2,551.9 | -586.0 | 2,618.3 | 0.00 | 0.00 | 0.00 | |
| 12,500.0 | 1.47 | 250.00 | 12,035.8 | 2,551.1 | -588.2 | 2,618.0 | 0.00 | 0.00 | 0.00 | |
| TD @ 12606.2' MD / 12142.0' TVD | | | | | | | | | | |
| 12,606.2 | 1.47 | 250.00 | 12,142.0 | 2,550.1 | -590.8 | 2,617.7 | 0.00 | 0.00 | 0.00 | |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M23A FED 12B-23 496 - Slot BJU M23A FED 12B-23 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8134.0usft (30') |
| Project: | Garfield County, CO | MD Reference: | RKB @ 8134.0usft (30') |
| Site: | BJU M23A 496 Pad | North Reference: | True |
| Well: | BJU M23A FED 12B-23 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| 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 |
| OHCR - 12B-23 - hit/miss target - Shape - plan hits target center - Point | 0.00 | 0.00 | 8,201.0 | 2,584.3 | -496.8 | 14,426,588.38 | 2,444,528.93 | 39.691668 | -108.141804 |
| PBHL - 12B-23 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi) | 0.00 | 0.00 | 12,142.0 | 2,550.1 | -590.8 | 14,426,551.20 | 2,444,436.10 | 39.691574 | -108.142138 |

| Formations | | | | | | |
|-----------------------|-----------------------|--------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 3,747.2 | 3,569.0 | Wasatch | | | | |
| 6,310.8 | 5,969.0 | Wasatch G | | | | |
| 6,631.3 | 6,269.0 | Fort Union | | | | |
| 8,663.9 | 8,201.0 | Ohio Creek | | | | |
| 8,663.9 | 8,201.0 | TOG | | | | |
| 9,126.0 | 8,663.0 | William Fork | | | | |
| 11,906.0 | 11,442.0 | Cameo | | | | |
| 12,406.1 | 11,942.0 | Rollins | | | | |

| Plan Annotations | | | | |
|-----------------------|-----------------------|--------------|--------------|------------------------------------|
| Measured Depth (usft) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Comment |
| 500.0 | 500.0 | 0.0 | 0.0 | Build 3° / 100' |
| 1,186.1 | 1,171.5 | 119.7 | -23.0 | EOB @ 20.58° Inc. / 349.12° Azm |
| 7,977.8 | 7,529.5 | 2,464.6 | -473.8 | Drop 3° / 100' |
| 8,663.9 | 8,201.0 | 2,584.3 | -496.8 | EOD @ Vertical / Build 1.5° / 100' |
| 8,762.0 | 8,299.1 | 2,583.9 | -498.0 | EOB @ 1.47° Inc. / 250.00° Azm |
| 12,606.2 | 12,142.0 | 2,550.1 | -590.8 | TD @ 12606.2' MD / 12142.0' TVD |