

Project: Garfield County, CO
 Site: NPM M33 496 Pad
 Well: BJU M33 FED 14A-33 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.653658
 Longitude: -108.177708
 Ground Level: 8401.0
 RKB @ 8431.0usft (H&P #329)

| FORMATION TOP DETAILS | | | |
|-----------------------|---------|---------------|--|
| TVDPath | MDPath | Formation | |
| 2396.0 | 2421.5 | Wasatch | |
| 5396.0 | 5460.1 | Wasatch G | |
| 5639.0 | 5706.3 | Fort Union | |
| 7474.0 | 7552.0 | Ohio Creek | |
| 7733.0 | 7811.1 | TOG | |
| 7733.0 | 7811.1 | Williams Fork | |
| 10335.0 | 10414.0 | Cameo | |
| 10961.0 | 11040.3 | Rollins | |

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496, True North
 Vertical (TVD) Reference: RKB @ 8431.0usft (H&P #329)
 Section (VS) Reference: Slot - BJU M33 FED 14A-33 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8431.0usft (H&P #329)
 Calculation Method: Minimum Curvature

WELL DETAILS: BJU M33 FED 14A-33 496

| | | | | | |
|-------|-------|-------------|------------|-----------|------------------------|
| +N/-S | +E/-W | North | East | Latitude | Longitude |
| 0.0 | 0.0 | 14412425.20 | 2434861.90 | 39.653658 | BJU M33 FED 14A-33 496 |

PROJECT DETAILS: Garfield County, CO

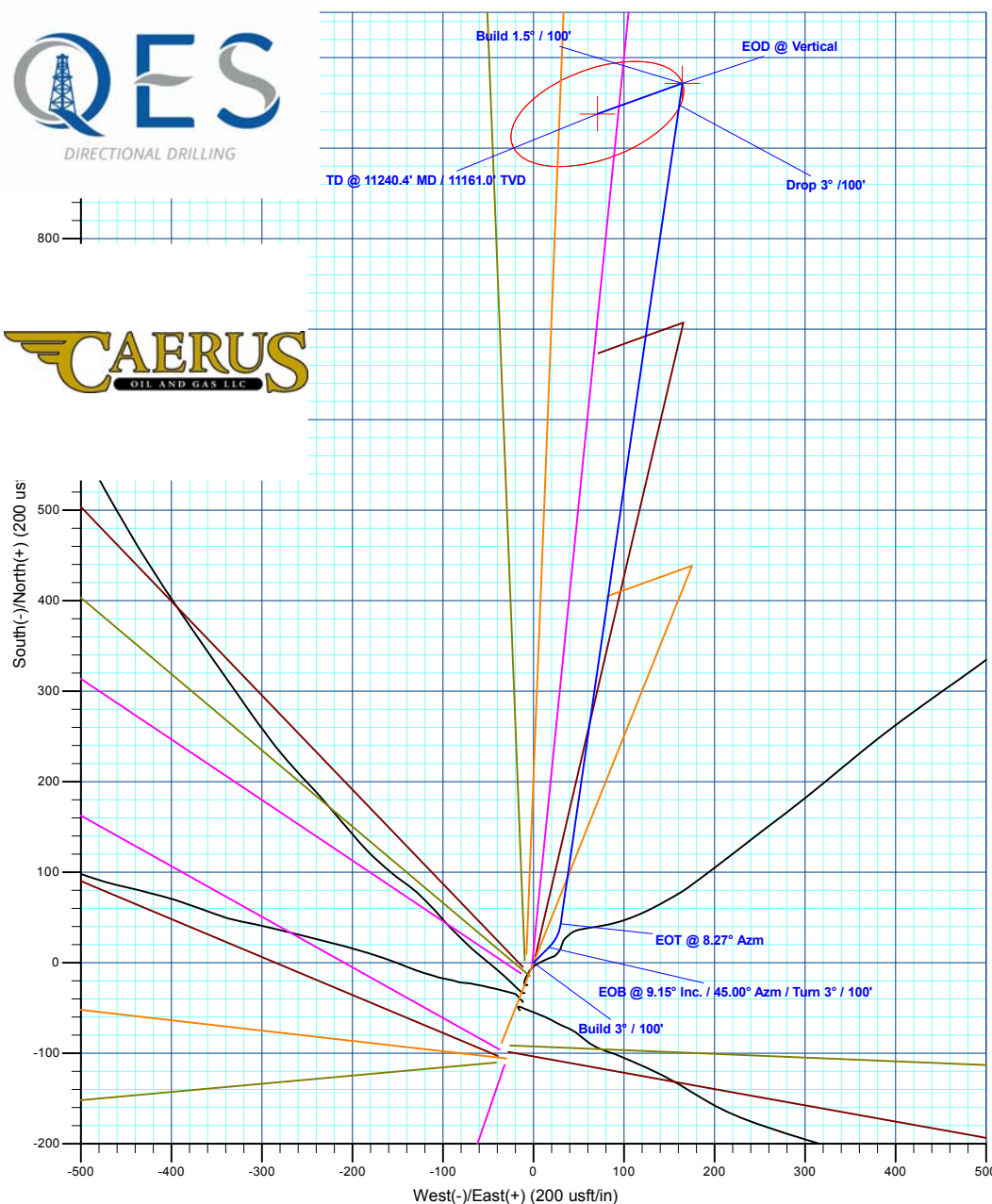
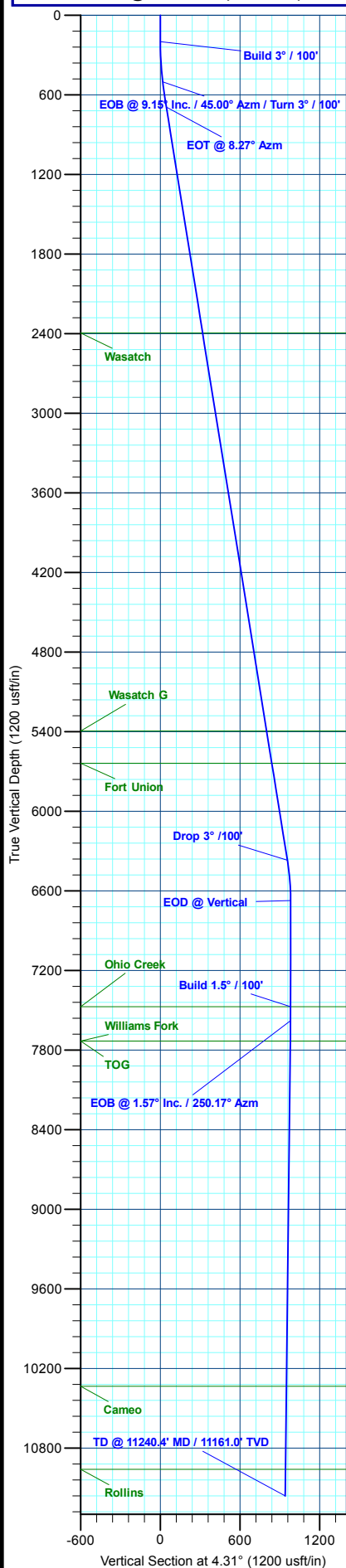
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)
 System Datum: Mean Sea Level

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | North | East | Latitude | Longitude |
|-------------------------------|---------|-------|-------|-------------|------------|-----------|-------------|
| OHCR - BJU M33 FED 14A-33 496 | 7474.0 | 971.8 | 164.6 | 14413401.68 | 2434995.85 | 39.656325 | -108.177123 |
| PBHL - BJU M33 FED 14A-33 496 | 11161.0 | 937.8 | 70.6 | 14413364.80 | 2434903.00 | 39.656232 | -108.177457 |

SECTION DETAILS

| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dieg | TFace | VSect | Annotation |
|---------|------|--------|---------|-------|-------|------|---------|-------|--|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Build 3° / 100' |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | EOB @ 9.15° Inc. / 45.00° Azm / Turn 3° / 100' |
| 505.0 | 9.15 | 45.00 | 503.7 | 17.2 | 17.2 | 3.00 | 45.00 | 18.4 | EOT @ 8.27° Azm |
| 696.6 | 9.15 | 8.24 | 693.0 | 43.0 | 30.1 | 3.00 | -108.19 | 45.2 | Drop 3° / 100' |
| 6447.1 | 9.15 | 8.24 | 6370.4 | 947.7 | 161.1 | 0.00 | 0.00 | 957.2 | EOD @ Vertical |
| 6752.0 | 0.00 | 0.00 | 6674.0 | 971.8 | 164.6 | 3.00 | 180.00 | 981.4 | Build 1.5° / 100' |
| 7552.0 | 0.00 | 0.00 | 7474.0 | 971.8 | 164.6 | 0.00 | 0.00 | 981.4 | EOB @ 1.57° Inc. / 250.17° Azm |
| 7657.0 | 1.57 | 250.14 | 7579.0 | 971.3 | 163.2 | 1.50 | 250.14 | 980.8 | TD @ 11240.4' MD / 11161.0' TVD |
| 11240.4 | 1.57 | 250.14 | 11161.0 | 937.8 | 70.6 | 0.00 | 0.00 | 940.5 | |



Plan: Design #1 (BJU M33 FED 14A-33 496/Wellbore #1)

Created By: Will Jircik Date: 14:43, December 16 2019



Caerus Oil & Gas

Garfield County, CO

NPM M33 496 Pad

BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496

Wellbore #1

Plan: Design #1

QES Well Planning Report

16 December, 2019



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496 |
| 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: | NPM M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 14A-33 496 | 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 | NPM M33 496 Pad | | |
| Site Position: | | Northing: | 14,415,354.00 usft |
| From: | Map | Easting: | 2,447,010.80 usft |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 39.660635 |
| | | Longitude: | -108.134267 |
| | | Grid Convergence: | 1.83 ° |

| | | | |
|-----------------------------|--|----------------|-------------------------------------|
| Well | BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496 | | |
| Well Position | +N/-S | -2,539.3 usft | Northing: 14,412,425.20 usft |
| | +E/-W | -12,236.2 usft | Easting: 2,434,861.90 usft |
| 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 | 12/11/2019 | 9.48 | 65.82 | 51,258.40000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| 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 | 4.31 |

| 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 | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 505.0 | 9.15 | 45.00 | 503.7 | 17.2 | 17.2 | 3.00 | 3.00 | 0.00 | 45.00 | |
| 696.6 | 9.15 | 8.24 | 693.0 | 43.0 | 30.1 | 3.00 | 0.00 | -19.19 | -108.19 | |
| 6,447.1 | 9.15 | 8.24 | 6,370.4 | 947.7 | 161.1 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,752.0 | 0.00 | 0.00 | 6,674.0 | 971.8 | 164.6 | 3.00 | -3.00 | 0.00 | 180.00 | |
| 7,552.0 | 0.00 | 0.00 | 7,474.0 | 971.8 | 164.6 | 0.00 | 0.00 | 0.00 | 0.00 | OHCR - BJU M33 F |
| 7,657.0 | 1.57 | 250.14 | 7,579.0 | 971.3 | 163.2 | 1.50 | 1.50 | -104.66 | 250.14 | |
| 11,240.4 | 1.57 | 250.14 | 11,161.0 | 937.8 | 70.6 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL - BJU M33 FI |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496 |
| 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: | NPM M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 14A-33 496 | 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 |
| Build 3° / 100' | | | | | | | | | |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 3.00 | 45.00 | 300.0 | 1.9 | 1.9 | 2.0 | 3.00 | 3.00 | 0.00 |
| 400.0 | 6.00 | 45.00 | 399.6 | 7.4 | 7.4 | 7.9 | 3.00 | 3.00 | 0.00 |
| EOB @ 9.15° Inc. / 45.00° Azm / Turn 3° / 100' | | | | | | | | | |
| 505.0 | 9.15 | 45.00 | 503.7 | 17.2 | 17.2 | 18.4 | 3.00 | 3.00 | 0.00 |
| 600.0 | 8.69 | 26.78 | 597.6 | 28.9 | 25.8 | 30.8 | 3.00 | -0.49 | -19.18 |
| EOT @ 8.27° Azm | | | | | | | | | |
| 696.4 | 9.15 | 8.26 | 692.9 | 43.0 | 30.1 | 45.2 | 3.00 | 0.47 | -19.20 |
| 696.6 | 9.15 | 8.24 | 693.0 | 43.0 | 30.1 | 45.2 | 3.00 | 0.93 | -17.94 |
| 700.0 | 9.15 | 8.24 | 696.4 | 43.6 | 30.2 | 45.7 | 0.00 | 0.00 | 0.00 |
| 800.0 | 9.15 | 8.24 | 795.1 | 59.3 | 32.5 | 61.6 | 0.00 | 0.00 | 0.00 |
| 900.0 | 9.15 | 8.24 | 893.8 | 75.1 | 34.8 | 77.4 | 0.00 | 0.00 | 0.00 |
| 1,000.0 | 9.15 | 8.24 | 992.6 | 90.8 | 37.1 | 93.3 | 0.00 | 0.00 | 0.00 |
| 1,100.0 | 9.15 | 8.24 | 1,091.3 | 106.5 | 39.3 | 109.2 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 9.15 | 8.24 | 1,190.0 | 122.2 | 41.6 | 125.0 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 9.15 | 8.24 | 1,288.8 | 138.0 | 43.9 | 140.9 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 9.15 | 8.24 | 1,387.5 | 153.7 | 46.2 | 156.7 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 9.15 | 8.24 | 1,486.2 | 169.4 | 48.4 | 172.6 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 9.15 | 8.24 | 1,584.9 | 185.2 | 50.7 | 188.5 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 9.15 | 8.24 | 1,683.7 | 200.9 | 53.0 | 204.3 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 9.15 | 8.24 | 1,782.4 | 216.6 | 55.3 | 220.2 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 9.15 | 8.24 | 1,881.1 | 232.4 | 57.6 | 236.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 9.15 | 8.24 | 1,979.9 | 248.1 | 59.8 | 251.9 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 9.15 | 8.24 | 2,078.6 | 263.8 | 62.1 | 267.8 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 9.15 | 8.24 | 2,177.3 | 279.6 | 64.4 | 283.6 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 9.15 | 8.24 | 2,276.0 | 295.3 | 66.7 | 299.5 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 9.15 | 8.24 | 2,374.8 | 311.0 | 68.9 | 315.3 | 0.00 | 0.00 | 0.00 |
| Wasatch | | | | | | | | | |
| 2,421.5 | 9.15 | 8.24 | 2,396.0 | 314.4 | 69.4 | 318.7 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 9.15 | 8.24 | 2,473.5 | 326.8 | 71.2 | 331.2 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 9.15 | 8.24 | 2,572.2 | 342.5 | 73.5 | 347.1 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 9.15 | 8.24 | 2,671.0 | 358.2 | 75.8 | 362.9 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 9.15 | 8.24 | 2,769.7 | 374.0 | 78.1 | 378.8 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 9.15 | 8.24 | 2,868.4 | 389.7 | 80.3 | 394.6 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 9.15 | 8.24 | 2,967.1 | 405.4 | 82.6 | 410.5 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 9.15 | 8.24 | 3,065.9 | 421.2 | 84.9 | 426.4 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 9.15 | 8.24 | 3,164.6 | 436.9 | 87.2 | 442.2 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 9.15 | 8.24 | 3,263.3 | 452.6 | 89.4 | 458.1 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 9.15 | 8.24 | 3,362.1 | 468.4 | 91.7 | 473.9 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 9.15 | 8.24 | 3,460.8 | 484.1 | 94.0 | 489.8 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 9.15 | 8.24 | 3,559.5 | 499.8 | 96.3 | 505.6 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 9.15 | 8.24 | 3,658.2 | 515.6 | 98.5 | 521.5 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 9.15 | 8.24 | 3,757.0 | 531.3 | 100.8 | 537.4 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 9.15 | 8.24 | 3,855.7 | 547.0 | 103.1 | 553.2 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 9.15 | 8.24 | 3,954.4 | 562.8 | 105.4 | 569.1 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 9.15 | 8.24 | 4,053.1 | 578.5 | 107.7 | 584.9 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 9.15 | 8.24 | 4,151.9 | 594.2 | 109.9 | 600.8 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 9.15 | 8.24 | 4,250.6 | 610.0 | 112.2 | 616.7 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 9.15 | 8.24 | 4,349.3 | 625.7 | 114.5 | 632.5 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 9.15 | 8.24 | 4,448.1 | 641.4 | 116.8 | 648.4 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496 |
| 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: | NPM M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 14A-33 496 | 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) |
| 4,600.0 | 9.15 | 8.24 | 4,546.8 | 657.2 | 119.0 | 664.2 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 9.15 | 8.24 | 4,645.5 | 672.9 | 121.3 | 680.1 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 9.15 | 8.24 | 4,744.2 | 688.6 | 123.6 | 696.0 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 9.15 | 8.24 | 4,843.0 | 704.4 | 125.9 | 711.8 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 9.15 | 8.24 | 4,941.7 | 720.1 | 128.2 | 727.7 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 9.15 | 8.24 | 5,040.4 | 735.8 | 130.4 | 743.5 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 9.15 | 8.24 | 5,139.2 | 751.6 | 132.7 | 759.4 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 9.15 | 8.24 | 5,237.9 | 767.3 | 135.0 | 775.3 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 9.15 | 8.24 | 5,336.6 | 783.0 | 137.3 | 791.1 | 0.00 | 0.00 | 0.00 |
| Wasatch G | | | | | | | | | |
| 5,460.1 | 9.15 | 8.24 | 5,396.0 | 792.5 | 138.6 | 800.6 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 9.15 | 8.24 | 5,435.3 | 798.7 | 139.5 | 807.0 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 9.15 | 8.24 | 5,534.1 | 814.5 | 141.8 | 822.8 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 9.15 | 8.24 | 5,632.8 | 830.2 | 144.1 | 838.7 | 0.00 | 0.00 | 0.00 |
| Fort Union | | | | | | | | | |
| 5,706.3 | 9.15 | 8.24 | 5,639.0 | 831.2 | 144.2 | 839.7 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 9.15 | 8.24 | 5,731.5 | 845.9 | 146.4 | 854.5 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 9.15 | 8.24 | 5,830.3 | 861.7 | 148.7 | 870.4 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 9.15 | 8.24 | 5,929.0 | 877.4 | 150.9 | 886.3 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 9.15 | 8.24 | 6,027.7 | 893.1 | 153.2 | 902.1 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 9.15 | 8.24 | 6,126.4 | 908.9 | 155.5 | 918.0 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 9.15 | 8.24 | 6,225.2 | 924.6 | 157.8 | 933.8 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 9.15 | 8.24 | 6,323.9 | 940.3 | 160.0 | 949.7 | 0.00 | 0.00 | 0.00 |
| Drop 3° /100' | | | | | | | | | |
| 6,447.1 | 9.15 | 8.24 | 6,370.4 | 947.8 | 161.1 | 957.2 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 7.56 | 8.24 | 6,422.7 | 955.4 | 162.2 | 964.8 | 3.00 | -3.00 | 0.00 |
| 6,600.0 | 4.56 | 8.24 | 6,522.2 | 965.8 | 163.7 | 975.4 | 3.00 | -3.00 | 0.00 |
| 6,700.0 | 1.56 | 8.24 | 6,622.0 | 971.1 | 164.5 | 980.7 | 3.00 | -3.00 | 0.00 |
| EOD @ Vertical | | | | | | | | | |
| 6,752.0 | 0.00 | 0.00 | 6,674.0 | 971.8 | 164.6 | 981.4 | 3.00 | -3.00 | -15.84 |
| 6,800.0 | 0.00 | 0.00 | 6,722.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 0.00 | 0.00 | 6,822.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 0.00 | 0.00 | 6,922.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 0.00 | 0.00 | 7,022.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 0.00 | 0.00 | 7,122.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 0.00 | 0.00 | 7,222.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 0.00 | 0.00 | 7,322.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 0.00 | 0.00 | 7,422.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| Build 1.5° / 100' - Ohio Creek | | | | | | | | | |
| 7,552.0 | 0.00 | 0.00 | 7,474.0 | 971.8 | 164.6 | 981.4 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 0.72 | 250.14 | 7,522.0 | 971.7 | 164.3 | 981.3 | 1.50 | 1.50 | 0.00 |
| EOB @ 1.57° Inc. / 250.17° Azm | | | | | | | | | |
| 7,657.0 | 1.57 | 250.14 | 7,579.0 | 971.3 | 163.2 | 980.8 | 1.50 | 1.50 | 0.00 |
| 7,700.0 | 1.57 | 250.14 | 7,622.0 | 970.9 | 162.1 | 980.3 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 1.57 | 250.14 | 7,721.9 | 970.0 | 159.5 | 979.2 | 0.00 | 0.00 | 0.00 |
| Williams Fork - TOG | | | | | | | | | |
| 7,811.1 | 1.57 | 250.14 | 7,733.0 | 969.9 | 159.3 | 979.1 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 1.57 | 250.14 | 7,821.9 | 969.0 | 157.0 | 978.1 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 1.57 | 250.14 | 7,921.9 | 968.1 | 154.4 | 977.0 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 1.57 | 250.14 | 8,021.8 | 967.2 | 151.8 | 975.8 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 1.57 | 250.14 | 8,121.8 | 966.2 | 149.2 | 974.7 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 1.57 | 250.14 | 8,221.8 | 965.3 | 146.6 | 973.6 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496 |
| 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: | NPM M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 14A-33 496 | 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) |
| 8,400.0 | 1.57 | 250.14 | 8,321.7 | 964.4 | 144.0 | 972.5 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 1.57 | 250.14 | 8,421.7 | 963.4 | 141.4 | 971.3 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 1.57 | 250.14 | 8,521.6 | 962.5 | 138.9 | 970.2 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 1.57 | 250.14 | 8,621.6 | 961.6 | 136.3 | 969.1 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 1.57 | 250.14 | 8,721.6 | 960.6 | 133.7 | 968.0 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 1.57 | 250.14 | 8,821.5 | 959.7 | 131.1 | 966.8 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 1.57 | 250.14 | 8,921.5 | 958.8 | 128.5 | 965.7 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 1.57 | 250.14 | 9,021.5 | 957.8 | 125.9 | 964.6 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 1.57 | 250.14 | 9,121.4 | 956.9 | 123.4 | 963.5 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 1.57 | 250.14 | 9,221.4 | 956.0 | 120.8 | 962.3 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 1.57 | 250.14 | 9,321.3 | 955.0 | 118.2 | 961.2 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 1.57 | 250.14 | 9,421.3 | 954.1 | 115.6 | 960.1 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 1.57 | 250.14 | 9,521.3 | 953.2 | 113.0 | 959.0 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 1.57 | 250.14 | 9,621.2 | 952.2 | 110.4 | 957.8 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 1.57 | 250.14 | 9,721.2 | 951.3 | 107.9 | 956.7 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 1.57 | 250.14 | 9,821.2 | 950.4 | 105.3 | 955.6 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 1.57 | 250.14 | 9,921.1 | 949.4 | 102.7 | 954.5 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 1.57 | 250.14 | 10,021.1 | 948.5 | 100.1 | 953.3 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 1.57 | 250.14 | 10,121.0 | 947.6 | 97.5 | 952.2 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 1.57 | 250.14 | 10,221.0 | 946.6 | 94.9 | 951.1 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 1.57 | 250.14 | 10,321.0 | 945.7 | 92.3 | 950.0 | 0.00 | 0.00 | 0.00 |
| Cameo | | | | | | | | | |
| 10,414.0 | 1.57 | 250.14 | 10,335.0 | 945.6 | 92.0 | 949.8 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 1.57 | 250.14 | 10,420.9 | 944.8 | 89.8 | 948.8 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 1.57 | 250.14 | 10,520.9 | 943.8 | 87.2 | 947.7 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 1.57 | 250.14 | 10,620.8 | 942.9 | 84.6 | 946.6 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 1.57 | 250.14 | 10,720.8 | 942.0 | 82.0 | 945.5 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 1.57 | 250.14 | 10,820.8 | 941.0 | 79.4 | 944.3 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 1.57 | 250.14 | 10,920.7 | 940.1 | 76.8 | 943.2 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 11,040.3 | 1.57 | 250.14 | 10,961.0 | 939.7 | 75.8 | 942.7 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 1.57 | 250.14 | 11,020.7 | 939.2 | 74.3 | 942.1 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 1.57 | 250.14 | 11,120.7 | 938.2 | 71.7 | 941.0 | 0.00 | 0.00 | 0.00 |
| TD @ 11240.4' MD / 11161.0' TVD | | | | | | | | | |
| 11,240.4 | 1.57 | 250.14 | 11,161.0 | 937.8 | 70.6 | 940.5 | 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 |
| - hit/miss target | | | | | | | | | |
| - Shape | | | | | | | | | |
| OHCR - BJU M33 FEI | 0.00 | 0.00 | 7,474.0 | 971.8 | 164.6 | 14,413,401.68 | 2,434,995.85 | 39.656325 | -108.177124 |
| - plan hits target center | | | | | | | | | |
| - Point | | | | | | | | | |
| PBHL - BJU M33 FED | 0.00 | 0.00 | 11,161.0 | 937.8 | 70.6 | 14,413,364.80 | 2,434,903.00 | 39.656232 | -108.177457 |
| - plan hits target center | | | | | | | | | |
| - Ellipse (radii L100.0 W50.0 on 250.00 azi) | | | | | | | | | |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well BJU M33 FED 14A-33 496 - Slot BJU M33 FED 14A-33 496 |
| 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: | NPM M33 496 Pad | North Reference: | True |
| Well: | BJU M33 FED 14A-33 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

| Formations | | | | | | |
|-----------------------|-----------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 2,421.5 | 2,396.0 | Wasatch | | | | |
| 5,460.1 | 5,396.0 | Wasatch G | | | | |
| 5,706.3 | 5,639.0 | Fort Union | | | | |
| 7,552.0 | 7,474.0 | Ohio Creek | | | | |
| 7,811.1 | 7,733.0 | Williams Fork | | | | |
| 7,811.1 | 7,733.0 | TOG | | | | |
| 10,414.0 | 10,335.0 | Cameo | | | | |
| 11,040.3 | 10,961.0 | Rollins | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|-------------------|--------------|--|--|
| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | | |
| | | +N/-S (usft) | +E/-W (usft) | Comment | |
| 200.0 | 200.0 | 0.0 | 0.0 | Build 3° / 100' | |
| 505.0 | 503.7 | 17.2 | 17.2 | EOB @ 9.15° Inc. / 45.00° Azm / Turn 3° / 100' | |
| 696.4 | 692.9 | 43.0 | 30.1 | EOT @ 8.27° Azm | |
| 6,447.1 | 6,370.4 | 947.8 | 161.1 | Drop 3° / 100' | |
| 6,752.0 | 6,674.0 | 971.8 | 164.6 | EOD @ Vertical | |
| 7,552.0 | 7,474.0 | 971.8 | 164.6 | Build 1.5° / 100' | |
| 7,657.0 | 7,579.0 | 971.3 | 163.2 | EOB @ 1.57° Inc. / 250.17° Azm | |
| 11,240.4 | 11,161.0 | 937.8 | 70.6 | TD @ 11240.4' MD / 11161.0' TVD | |