

Project: Rio Blanco County, CO
 Site: ELU O13 496 Pad
 Well: ELU O13 FED 25C-13 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.698691
 Longitude: -108.115192
 Ground Level: 8118.0
 RKB @ 8148.0usft (30')

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

REFERENCE INFORMATION

Vertical (TVD) Reference: RKB @ 8148.0usft (30')
 Section (VS) Reference: Slot - ELU O13 FED 25C-13 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8148.0usft (30')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|------------------|
| 3971.0 | 4018.1 | Wasatch |
| 6371.0 | 6451.9 | Wasatch G |
| 6671.0 | 6756.2 | Fort Union |
| 8645.0 | 8755.0 | Ohio Creek / TOG |
| 9147.0 | 9257.2 | Williams Fork |
| 12082.0 | 12193.0 | Cameo |
| 12582.0 | 12693.2 | Rollins |

SECTION DETAILS

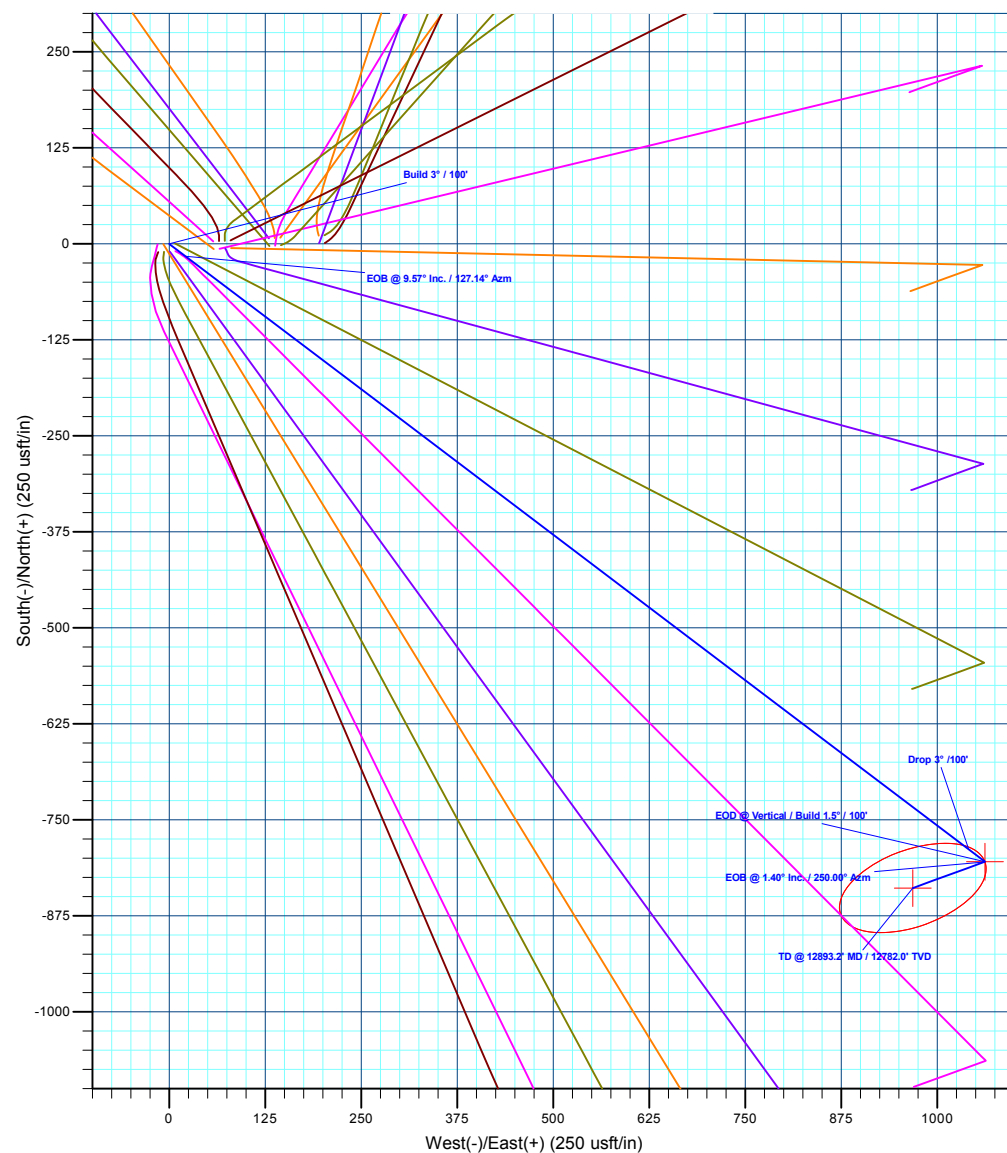
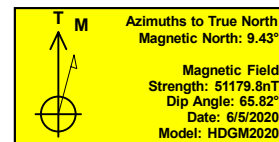
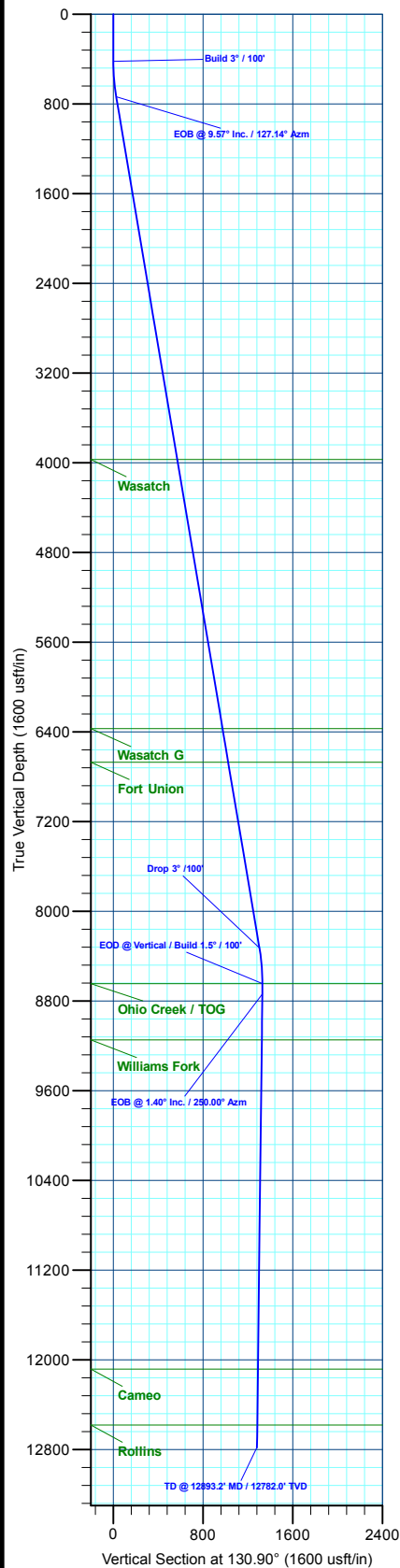
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dieg | TFace | VSect | Annotation |
|---------|------|--------|---------|--------|--------|------|--------|--------|------------------------------------|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 420.0 | 0.00 | 0.00 | 420.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Build 3" / 100' |
| 738.9 | 9.57 | 127.14 | 737.4 | -16.0 | 21.2 | 3.00 | 127.14 | 26.5 | EOB @ 9.57" Inc. / 127.14" Azm |
| 8436.1 | 9.57 | 127.14 | 8327.6 | -788.5 | 1041.0 | 0.00 | 0.00 | 1303.1 | Drop 3" / 100' |
| 8755.0 | 0.00 | 0.00 | 8645.0 | -804.6 | 1062.2 | 3.00 | 180.00 | 1329.6 | EOD @ Vertical / Build 1.5" / 100' |
| 8848.4 | 1.40 | 250.00 | 8738.4 | -805.0 | 1061.1 | 1.50 | 250.00 | 1329.1 | EOB @ 1.40" Inc. / 250.00" Azm |
| 12893.2 | 1.40 | 250.00 | 12782.0 | -838.8 | 968.2 | 0.00 | 0.00 | 1281.0 | TD @ 12893.2' MD / 12782.0' TVD |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|---------------|---------|--------|--------|-------------|------------|-----------|-------------|
| OHCR - 25C-13 | 8645.0 | -804.6 | 1062.2 | 14428616.01 | 2453021.92 | 39.696483 | -108.111419 |
| PBHL - 25C-13 | 12782.0 | -838.8 | 968.2 | 14428578.80 | 2452929.10 | 39.696389 | -108.111753 |

WELL DETAILS: ELU O13 FED 25C-13 496

| | +N/-S | +E/-W | Ground Level : 8118.0 | | | | |
|--|-------|-------|-----------------------|------------|-----------|-------------|--|
| | 0.0 | 0.0 | Northing | Easting | Latitude | Longitude | |
| | | | 14429386.00 | 2451934.40 | 39.698691 | -108.115192 | |



Plan: Design #1 (ELU O13 FED 25C-13 496/Wellbore #1)

Created By: Will Jircik

Date: 11:48, June 19 2020



Caerus Oil & Gas

Rio Blanco County, CO

ELU O13 496 Pad

ELU O13 FED 25C-13 496 - Slot ELU O13 FED 25C-13 496

Wellbore #1

Plan: Design #1

QES Well Planning Report

19 June, 2020



| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well ELU O13 FED 25C-13 496 - Slot ELU O13 FED 25C-13 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8148.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | RKB @ 8148.0usft (30') |
| Site: | ELU O13 496 Pad | North Reference: | True |
| Well: | ELU O13 FED 25C-13 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| 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 | ELU O13 496 Pad | | |
| Site Position: | | Northing: | 14,429,398.00 usft |
| From: | Map | Easting: | 2,452,071.40 usft |
| Position Uncertainty: | 0.0 usft | Slot Radius: | 13-3/16 " |
| | | Latitude: | 39.698712 |
| | | Longitude: | -108.114705 |
| | | Grid Convergence: | 1.84 ° |

| | | | |
|-----------------------------|--|-------------|----------------------------|
| Well | ELU O13 FED 25C-13 496 - Slot ELU O13 FED 25C-13 496 | | |
| Well Position | +N/-S | -7.6 usft | Northing: |
| | +E/-W | -137.3 usft | Easting: |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: |
| | | | Latitude: |
| | | | Longitude: |
| | | | Ground Level: |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM2020 | 6/5/2020 | 9.43 | 65.82 | 51,179.80000000 |

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| 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 | 130.90 |

| | | | | | | | | | | |
|------------------------------|------------------------|--------------------|------------------------------|---------------------|---------------------|--------------------------------|-------------------------------|------------------------------|----------------|---------------|
| 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 | |
| 420.0 | 0.00 | 0.00 | 420.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 738.9 | 9.57 | 127.14 | 737.4 | -16.0 | 21.2 | 3.00 | 3.00 | 0.00 | 127.14 | |
| 8,436.1 | 9.57 | 127.14 | 8,327.6 | -788.5 | 1,041.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 8,755.0 | 0.00 | 0.00 | 8,645.0 | -804.6 | 1,062.2 | 3.00 | -3.00 | 0.00 | 180.00 | OHCR - 25C-13 |
| 8,848.4 | 1.40 | 250.00 | 8,738.4 | -805.0 | 1,061.1 | 1.50 | 1.50 | -117.82 | 250.00 | |
| 12,893.2 | 1.40 | 250.00 | 12,782.0 | -838.8 | 968.2 | 0.00 | 0.00 | 0.00 | 0.00 | PBHL - 25C-13 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well ELU O13 FED 25C-13 496 - Slot ELU O13 FED 25C-13 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8148.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | RKB @ 8148.0usft (30') |
| Site: | ELU O13 496 Pad | North Reference: | True |
| Well: | ELU O13 FED 25C-13 496 | 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' | | | | | | | | | | |
| 420.0 | 0.00 | 0.00 | 420.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | |
| 500.0 | 2.40 | 127.14 | 500.0 | -1.0 | 1.3 | 1.7 | 3.00 | 3.00 | 0.00 | |
| 600.0 | 5.40 | 127.14 | 599.7 | -5.1 | 6.8 | 8.5 | 3.00 | 3.00 | 0.00 | |
| 700.0 | 8.40 | 127.14 | 699.0 | -12.4 | 16.3 | 20.4 | 3.00 | 3.00 | 0.00 | |
| EOB @ 9.57° Inc. / 127.14° Azm | | | | | | | | | | |
| 738.9 | 9.57 | 127.14 | 737.4 | -16.0 | 21.2 | 26.5 | 3.00 | 3.00 | 0.00 | |
| 800.0 | 9.57 | 127.14 | 797.7 | -22.2 | 29.3 | 36.6 | 0.00 | 0.00 | 0.00 | |
| 900.0 | 9.57 | 127.14 | 896.3 | -32.2 | 42.5 | 53.2 | 0.00 | 0.00 | 0.00 | |
| 1,000.0 | 9.57 | 127.14 | 994.9 | -42.2 | 55.8 | 69.8 | 0.00 | 0.00 | 0.00 | |
| 1,100.0 | 9.57 | 127.14 | 1,093.5 | -52.3 | 69.0 | 86.4 | 0.00 | 0.00 | 0.00 | |
| 1,200.0 | 9.57 | 127.14 | 1,192.1 | -62.3 | 82.3 | 103.0 | 0.00 | 0.00 | 0.00 | |
| 1,300.0 | 9.57 | 127.14 | 1,290.7 | -72.4 | 95.5 | 119.6 | 0.00 | 0.00 | 0.00 | |
| 1,400.0 | 9.57 | 127.14 | 1,389.3 | -82.4 | 108.8 | 136.2 | 0.00 | 0.00 | 0.00 | |
| 1,500.0 | 9.57 | 127.14 | 1,487.9 | -92.4 | 122.0 | 152.7 | 0.00 | 0.00 | 0.00 | |
| 1,600.0 | 9.57 | 127.14 | 1,586.5 | -102.5 | 135.3 | 169.3 | 0.00 | 0.00 | 0.00 | |
| 1,700.0 | 9.57 | 127.14 | 1,685.2 | -112.5 | 148.5 | 185.9 | 0.00 | 0.00 | 0.00 | |
| 1,800.0 | 9.57 | 127.14 | 1,783.8 | -122.5 | 161.8 | 202.5 | 0.00 | 0.00 | 0.00 | |
| 1,900.0 | 9.57 | 127.14 | 1,882.4 | -132.6 | 175.0 | 219.1 | 0.00 | 0.00 | 0.00 | |
| 2,000.0 | 9.57 | 127.14 | 1,981.0 | -142.6 | 188.3 | 235.7 | 0.00 | 0.00 | 0.00 | |
| 2,100.0 | 9.57 | 127.14 | 2,079.6 | -152.6 | 201.5 | 252.3 | 0.00 | 0.00 | 0.00 | |
| 2,200.0 | 9.57 | 127.14 | 2,178.2 | -162.7 | 214.8 | 268.8 | 0.00 | 0.00 | 0.00 | |
| 2,300.0 | 9.57 | 127.14 | 2,276.8 | -172.7 | 228.0 | 285.4 | 0.00 | 0.00 | 0.00 | |
| 2,400.0 | 9.57 | 127.14 | 2,375.4 | -182.7 | 241.3 | 302.0 | 0.00 | 0.00 | 0.00 | |
| 2,500.0 | 9.57 | 127.14 | 2,474.0 | -192.8 | 254.5 | 318.6 | 0.00 | 0.00 | 0.00 | |
| 2,600.0 | 9.57 | 127.14 | 2,572.6 | -202.8 | 267.8 | 335.2 | 0.00 | 0.00 | 0.00 | |
| 2,700.0 | 9.57 | 127.14 | 2,671.2 | -212.9 | 281.0 | 351.8 | 0.00 | 0.00 | 0.00 | |
| 2,800.0 | 9.57 | 127.14 | 2,769.8 | -222.9 | 294.3 | 368.4 | 0.00 | 0.00 | 0.00 | |
| 2,900.0 | 9.57 | 127.14 | 2,868.5 | -232.9 | 307.5 | 384.9 | 0.00 | 0.00 | 0.00 | |
| 3,000.0 | 9.57 | 127.14 | 2,967.1 | -243.0 | 320.8 | 401.5 | 0.00 | 0.00 | 0.00 | |
| 3,100.0 | 9.57 | 127.14 | 3,065.7 | -253.0 | 334.0 | 418.1 | 0.00 | 0.00 | 0.00 | |
| 3,200.0 | 9.57 | 127.14 | 3,164.3 | -263.0 | 347.3 | 434.7 | 0.00 | 0.00 | 0.00 | |
| 3,300.0 | 9.57 | 127.14 | 3,262.9 | -273.1 | 360.5 | 451.3 | 0.00 | 0.00 | 0.00 | |
| 3,400.0 | 9.57 | 127.14 | 3,361.5 | -283.1 | 373.8 | 467.9 | 0.00 | 0.00 | 0.00 | |
| 3,500.0 | 9.57 | 127.14 | 3,460.1 | -293.1 | 387.0 | 484.5 | 0.00 | 0.00 | 0.00 | |
| 3,600.0 | 9.57 | 127.14 | 3,558.7 | -303.2 | 400.3 | 501.0 | 0.00 | 0.00 | 0.00 | |
| 3,700.0 | 9.57 | 127.14 | 3,657.3 | -313.2 | 413.5 | 517.6 | 0.00 | 0.00 | 0.00 | |
| 3,800.0 | 9.57 | 127.14 | 3,755.9 | -323.3 | 426.8 | 534.2 | 0.00 | 0.00 | 0.00 | |
| 3,900.0 | 9.57 | 127.14 | 3,854.5 | -333.3 | 440.0 | 550.8 | 0.00 | 0.00 | 0.00 | |
| 4,000.0 | 9.57 | 127.14 | 3,953.2 | -343.3 | 453.2 | 567.4 | 0.00 | 0.00 | 0.00 | |
| Wasatch | | | | | | | | | | |
| 4,018.1 | 9.57 | 127.14 | 3,971.0 | -345.1 | 455.6 | 570.4 | 0.00 | 0.00 | 0.00 | |
| 4,100.0 | 9.57 | 127.14 | 4,051.8 | -353.4 | 466.5 | 584.0 | 0.00 | 0.00 | 0.00 | |
| 4,200.0 | 9.57 | 127.14 | 4,150.4 | -363.4 | 479.7 | 600.5 | 0.00 | 0.00 | 0.00 | |
| 4,300.0 | 9.57 | 127.14 | 4,249.0 | -373.4 | 493.0 | 617.1 | 0.00 | 0.00 | 0.00 | |
| 4,400.0 | 9.57 | 127.14 | 4,347.6 | -383.5 | 506.2 | 633.7 | 0.00 | 0.00 | 0.00 | |
| 4,500.0 | 9.57 | 127.14 | 4,446.2 | -393.5 | 519.5 | 650.3 | 0.00 | 0.00 | 0.00 | |
| 4,600.0 | 9.57 | 127.14 | 4,544.8 | -403.5 | 532.7 | 666.9 | 0.00 | 0.00 | 0.00 | |

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|------------------|---------------------------|-------------------------------------|---|
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| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8148.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | RKB @ 8148.0usft (30') |
| Site: | ELU O13 496 Pad | North Reference: | True |
| Well: | ELU O13 FED 25C-13 496 | 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) |
| 4,700.0 | 9.57 | 127.14 | 4,643.4 | -413.6 | 546.0 | 683.5 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 9.57 | 127.14 | 4,742.0 | -423.6 | 559.2 | 700.1 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 9.57 | 127.14 | 4,840.6 | -433.7 | 572.5 | 716.6 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 9.57 | 127.14 | 4,939.2 | -443.7 | 585.7 | 733.2 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 9.57 | 127.14 | 5,037.9 | -453.7 | 599.0 | 749.8 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 9.57 | 127.14 | 5,136.5 | -463.8 | 612.2 | 766.4 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 9.57 | 127.14 | 5,235.1 | -473.8 | 625.5 | 783.0 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 9.57 | 127.14 | 5,333.7 | -483.8 | 638.7 | 799.6 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 9.57 | 127.14 | 5,432.3 | -493.9 | 652.0 | 816.2 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 9.57 | 127.14 | 5,530.9 | -503.9 | 665.2 | 832.7 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 9.57 | 127.14 | 5,629.5 | -513.9 | 678.5 | 849.3 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 9.57 | 127.14 | 5,728.1 | -524.0 | 691.7 | 865.9 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 9.57 | 127.14 | 5,826.7 | -534.0 | 705.0 | 882.5 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 9.57 | 127.14 | 5,925.3 | -544.0 | 718.2 | 899.1 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 9.57 | 127.14 | 6,023.9 | -554.1 | 731.5 | 915.7 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 9.57 | 127.14 | 6,122.6 | -564.1 | 744.7 | 932.3 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 9.57 | 127.14 | 6,221.2 | -574.2 | 758.0 | 948.8 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 9.57 | 127.14 | 6,319.8 | -584.2 | 771.2 | 965.4 | 0.00 | 0.00 | 0.00 |
| Wasatch G | | | | | | | | | |
| 6,451.9 | 9.57 | 127.14 | 6,371.0 | -589.4 | 778.1 | 974.0 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 9.57 | 127.14 | 6,418.4 | -594.2 | 784.5 | 982.0 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 9.57 | 127.14 | 6,517.0 | -604.3 | 797.7 | 998.6 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 9.57 | 127.14 | 6,615.6 | -614.3 | 811.0 | 1,015.2 | 0.00 | 0.00 | 0.00 |
| Fort Union | | | | | | | | | |
| 6,756.2 | 9.57 | 127.14 | 6,671.0 | -619.9 | 818.4 | 1,024.5 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 9.57 | 127.14 | 6,714.2 | -624.3 | 824.2 | 1,031.8 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 9.57 | 127.14 | 6,812.8 | -634.4 | 837.5 | 1,048.4 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 9.57 | 127.14 | 6,911.4 | -644.4 | 850.7 | 1,064.9 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 9.57 | 127.14 | 7,010.0 | -654.4 | 864.0 | 1,081.5 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 9.57 | 127.14 | 7,108.6 | -664.5 | 877.2 | 1,098.1 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 9.57 | 127.14 | 7,207.3 | -674.5 | 890.5 | 1,114.7 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 9.57 | 127.14 | 7,305.9 | -684.6 | 903.7 | 1,131.3 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 9.57 | 127.14 | 7,404.5 | -694.6 | 917.0 | 1,147.9 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 9.57 | 127.14 | 7,503.1 | -704.6 | 930.2 | 1,164.5 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 9.57 | 127.14 | 7,601.7 | -714.7 | 943.5 | 1,181.0 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 9.57 | 127.14 | 7,700.3 | -724.7 | 956.7 | 1,197.6 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 9.57 | 127.14 | 7,798.9 | -734.7 | 970.0 | 1,214.2 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 9.57 | 127.14 | 7,897.5 | -744.8 | 983.2 | 1,230.8 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 9.57 | 127.14 | 7,996.1 | -754.8 | 996.5 | 1,247.4 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 9.57 | 127.14 | 8,094.7 | -764.8 | 1,009.7 | 1,264.0 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 9.57 | 127.14 | 8,193.3 | -774.9 | 1,023.0 | 1,280.6 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 9.57 | 127.14 | 8,292.0 | -784.9 | 1,036.2 | 1,297.1 | 0.00 | 0.00 | 0.00 |
| Drop 3° /100' | | | | | | | | | |
| 8,436.1 | 9.57 | 127.14 | 8,327.6 | -788.5 | 1,041.0 | 1,303.1 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 7.65 | 127.14 | 8,390.7 | -794.3 | 1,048.6 | 1,312.7 | 3.00 | -3.00 | 0.00 |
| 8,600.0 | 4.65 | 127.14 | 8,490.1 | -800.8 | 1,057.2 | 1,323.4 | 3.00 | -3.00 | 0.00 |
| 8,700.0 | 1.65 | 127.14 | 8,590.0 | -804.1 | 1,061.6 | 1,328.9 | 3.00 | -3.00 | 0.00 |
| EOD @ Vertical / Build 1.5° / 100' - Ohio Creek / TOG | | | | | | | | | |
| 8,755.0 | 0.00 | 0.00 | 8,645.0 | -804.6 | 1,062.2 | 1,329.6 | 3.00 | -3.00 | 0.00 |
| 8,800.0 | 0.67 | 250.00 | 8,690.0 | -804.7 | 1,061.9 | 1,329.5 | 1.50 | 1.50 | 0.00 |
| EOB @ 1.40° Inc. / 250.00° Azm | | | | | | | | | |
| 8,848.4 | 1.40 | 250.00 | 8,738.4 | -805.0 | 1,061.1 | 1,329.1 | 1.50 | 1.50 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well ELU O13 FED 25C-13 496 - Slot ELU O13 FED 25C-13 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8148.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | RKB @ 8148.0usft (30') |
| Site: | ELU O13 496 Pad | North Reference: | True |
| Well: | ELU O13 FED 25C-13 496 | 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) |
| 8,900.0 | 1.40 | 250.00 | 8,789.9 | -805.4 | 1,059.9 | 1,328.5 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 1.40 | 250.00 | 8,889.9 | -806.2 | 1,057.6 | 1,327.3 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 1.40 | 250.00 | 8,989.9 | -807.1 | 1,055.3 | 1,326.1 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 1.40 | 250.00 | 9,089.9 | -807.9 | 1,053.0 | 1,324.9 | 0.00 | 0.00 | 0.00 |
| Williams Fork | | | | | | | | | |
| 9,257.2 | 1.40 | 250.00 | 9,147.0 | -808.4 | 1,051.7 | 1,324.2 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 1.40 | 250.00 | 9,189.8 | -808.7 | 1,050.7 | 1,323.7 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 1.40 | 250.00 | 9,289.8 | -809.6 | 1,048.4 | 1,322.5 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 1.40 | 250.00 | 9,389.8 | -810.4 | 1,046.1 | 1,321.3 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 1.40 | 250.00 | 9,489.7 | -811.3 | 1,043.8 | 1,320.2 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 1.40 | 250.00 | 9,589.7 | -812.1 | 1,041.6 | 1,319.0 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 1.40 | 250.00 | 9,689.7 | -812.9 | 1,039.3 | 1,317.8 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 1.40 | 250.00 | 9,789.6 | -813.8 | 1,037.0 | 1,316.6 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 1.40 | 250.00 | 9,889.6 | -814.6 | 1,034.7 | 1,315.4 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 1.40 | 250.00 | 9,989.6 | -815.4 | 1,032.4 | 1,314.2 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 1.40 | 250.00 | 10,089.6 | -816.3 | 1,030.1 | 1,313.0 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 1.40 | 250.00 | 10,189.5 | -817.1 | 1,027.8 | 1,311.8 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 1.40 | 250.00 | 10,289.5 | -817.9 | 1,025.5 | 1,310.6 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 1.40 | 250.00 | 10,389.5 | -818.8 | 1,023.2 | 1,309.5 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 1.40 | 250.00 | 10,489.4 | -819.6 | 1,020.9 | 1,308.3 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 1.40 | 250.00 | 10,589.4 | -820.4 | 1,018.6 | 1,307.1 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 1.40 | 250.00 | 10,689.4 | -821.3 | 1,016.3 | 1,305.9 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 1.40 | 250.00 | 10,789.3 | -822.1 | 1,014.0 | 1,304.7 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 1.40 | 250.00 | 10,889.3 | -823.0 | 1,011.7 | 1,303.5 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 1.40 | 250.00 | 10,989.3 | -823.8 | 1,009.4 | 1,302.3 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 1.40 | 250.00 | 11,089.3 | -824.6 | 1,007.1 | 1,301.1 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 1.40 | 250.00 | 11,189.2 | -825.5 | 1,004.8 | 1,300.0 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 1.40 | 250.00 | 11,289.2 | -826.3 | 1,002.5 | 1,298.8 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 1.40 | 250.00 | 11,389.2 | -827.1 | 1,000.2 | 1,297.6 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 1.40 | 250.00 | 11,489.1 | -828.0 | 997.9 | 1,296.4 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 1.40 | 250.00 | 11,589.1 | -828.8 | 995.6 | 1,295.2 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 1.40 | 250.00 | 11,689.1 | -829.6 | 993.3 | 1,294.0 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 1.40 | 250.00 | 11,789.0 | -830.5 | 991.0 | 1,292.8 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 1.40 | 250.00 | 11,889.0 | -831.3 | 988.7 | 1,291.6 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 1.40 | 250.00 | 11,989.0 | -832.2 | 986.4 | 1,290.4 | 0.00 | 0.00 | 0.00 |
| Cameo | | | | | | | | | |
| 12,193.0 | 1.40 | 250.00 | 12,082.0 | -832.9 | 984.3 | 1,289.3 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 1.40 | 250.00 | 12,089.0 | -833.0 | 984.1 | 1,289.3 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 1.40 | 250.00 | 12,188.9 | -833.8 | 981.8 | 1,288.1 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 1.40 | 250.00 | 12,288.9 | -834.7 | 979.5 | 1,286.9 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 1.40 | 250.00 | 12,388.9 | -835.5 | 977.2 | 1,285.7 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 1.40 | 250.00 | 12,488.8 | -836.3 | 974.9 | 1,284.5 | 0.00 | 0.00 | 0.00 |
| Rollins | | | | | | | | | |
| 12,693.2 | 1.40 | 250.00 | 12,582.0 | -837.1 | 972.8 | 1,283.4 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 1.40 | 250.00 | 12,588.8 | -837.2 | 972.7 | 1,283.3 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 1.40 | 250.00 | 12,688.8 | -838.0 | 970.4 | 1,282.1 | 0.00 | 0.00 | 0.00 |
| TD @ 12893.2' MD / 12782.0' TVD | | | | | | | | | |
| 12,893.2 | 1.40 | 250.00 | 12,782.0 | -838.8 | 968.2 | 1,281.0 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|---------------------------|-------------------------------------|---|
| Database: | EDM 5000.1 Single User Db | Local Co-ordinate Reference: | Well ELU O13 FED 25C-13 496 - Slot ELU O13 FED 25C-13 496 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB @ 8148.0usft (30') |
| Project: | Rio Blanco County, CO | MD Reference: | RKB @ 8148.0usft (30') |
| Site: | ELU O13 496 Pad | North Reference: | True |
| Well: | ELU O13 FED 25C-13 496 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Design #1 | | |

Design Targets

Target Name

| - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
|--|------------------|-----------------|---------------|-----------------|-----------------|--------------------|-------------------|-----------|-------------|
| OHCR - 25C-13 - plan hits target center - Point | 0.00 | 0.00 | 8,645.0 | -804.6 | 1,062.2 | 14,428,616.01 | 2,453,021.92 | 39.696483 | -108.111420 |
| PBHL - 25C-13 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi) | 0.00 | 0.00 | 12,782.0 | -838.8 | 968.2 | 14,428,578.80 | 2,452,929.10 | 39.696389 | -108.111753 |

Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------------|-----------------------------|------------------|-----------|------------|-------------------------|
| 4,018.1 | 3,971.0 | Wasatch | | | |
| 6,451.9 | 6,371.0 | Wasatch G | | | |
| 6,756.2 | 6,671.0 | Fort Union | | | |
| 8,755.0 | 8,645.0 | Ohio Creek / TOG | | | |
| 9,257.2 | 9,147.0 | Williams Fork | | | |
| 12,193.0 | 12,082.0 | Cameo | | | |
| 12,693.2 | 12,582.0 | Rollins | | | |

Plan Annotations

| Measured Depth (usft) | Vertical Depth (usft) | Local Coordinates | | Comment |
|-----------------------------|-----------------------------|-------------------|-----------------|------------------------------------|
| | | +N/-S (usft) | +E/-W (usft) | |
| 420.0 | 420.0 | 0.0 | 0.0 | Build 3° / 100' |
| 738.9 | 737.4 | -16.0 | 21.2 | EOB @ 9.57° Inc. / 127.14° Azm |
| 8,436.1 | 8,327.6 | -788.5 | 1,041.0 | Drop 3° / 100' |
| 8,755.0 | 8,645.0 | -804.6 | 1,062.2 | EOD @ Vertical / Build 1.5° / 100' |
| 8,848.4 | 8,738.4 | -805.0 | 1,061.1 | EOB @ 1.40° Inc. / 250.00° Azm |
| 12,893.2 | 12,782.0 | -838.8 | 968.2 | TD @ 12893.2' MD / 12782.0' TVD |