

Project: Rio Blanco County, CO
Site: ELU A18 495 Pad
Well: ELU A18 FED 13B-7-495
Wellbore: OH
Design: Design #5
Latitude: 39.709137
Longitude: -108.104408
Ground Level: 8029.0
RKB=26' @ 8059.0usft (Nabors B4)

SECTION 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=26' @ 8059.0usft (Nabors B4)
Section (VS) Reference: Slot - (0.0N, 0.0E)
Measured Depth Reference: RKB=26' @ 8059.0usft (Nabors B4)
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|---------------|
| 4055.0 | 4297.1 | Wasatch |
| 6605.0 | 7037.6 | Wasatch G |
| 7015.0 | 7478.3 | Fort Union |
| 9089.0 | 9671.6 | Ohio Creek |
| 9739.0 | 10321.7 | Williams Fork |
| 12639.0 | 13222.5 | Cameo |
| 13139.0 | 13722.6 | Rollins |

SECTION DETAILS

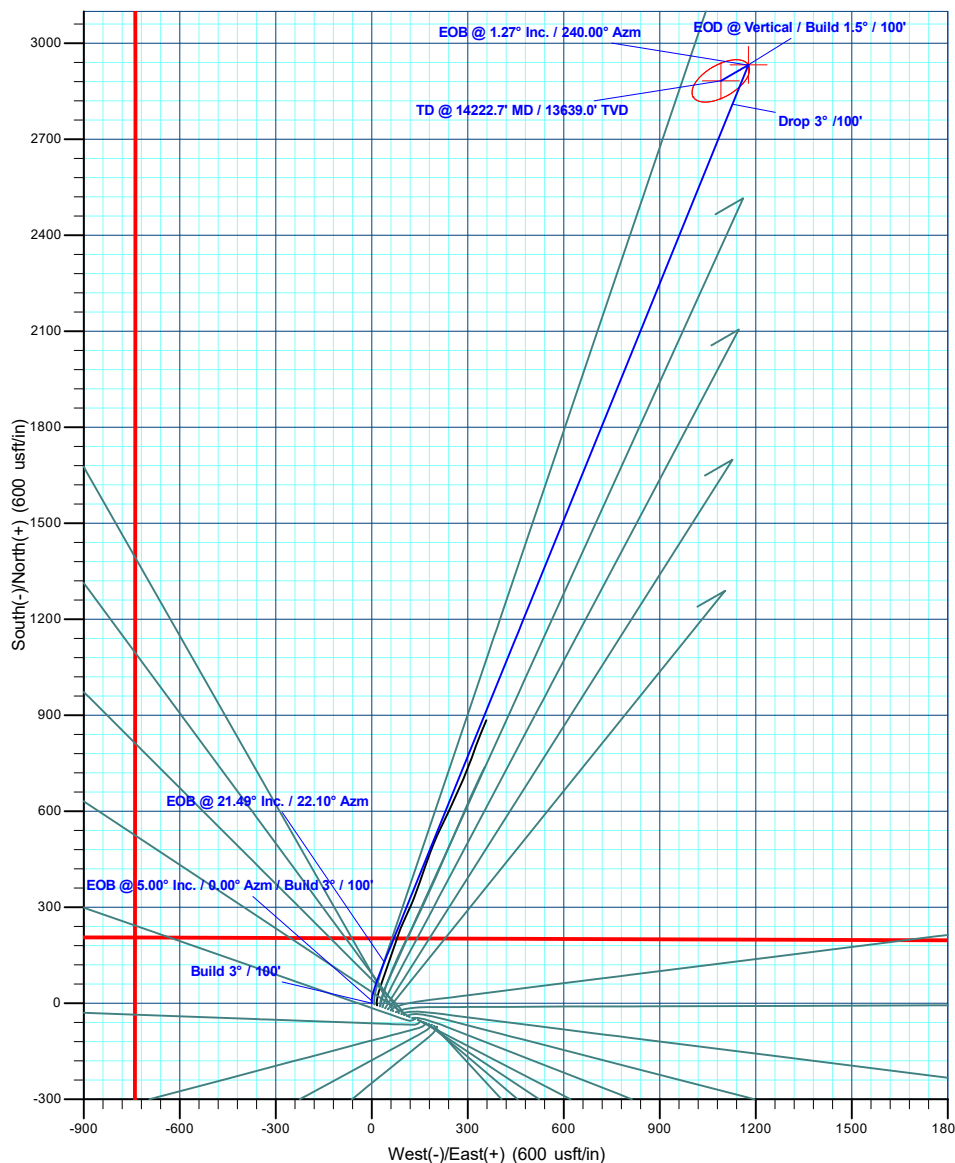
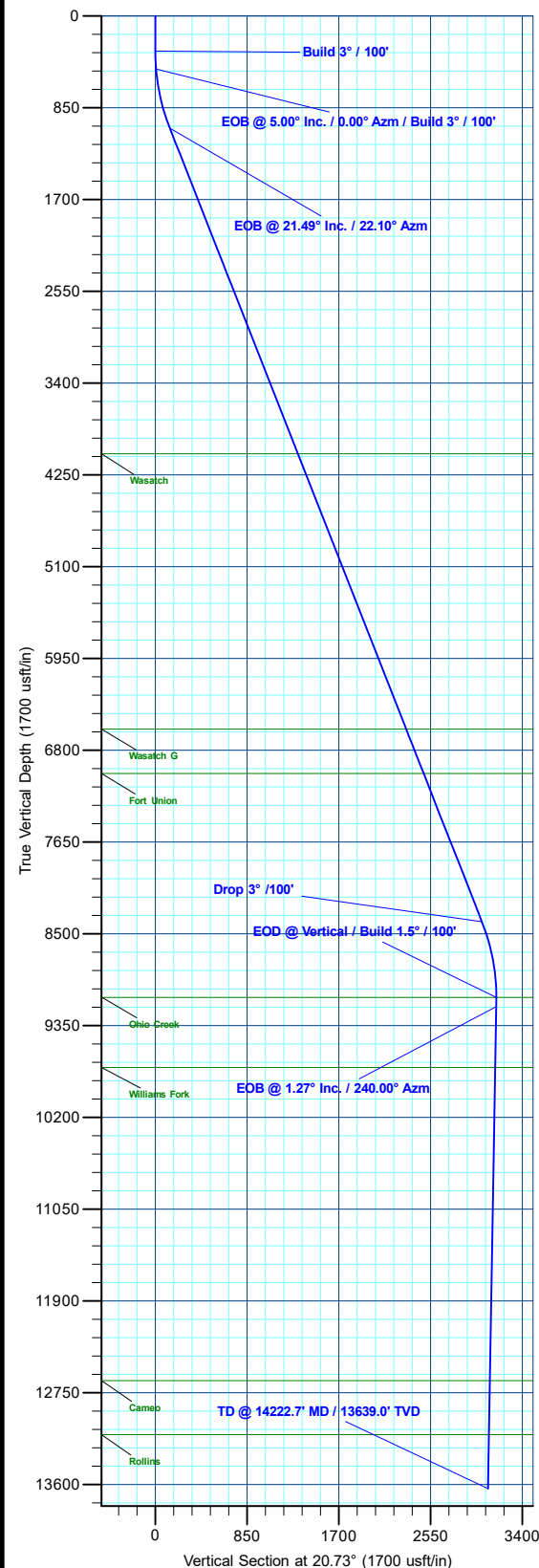
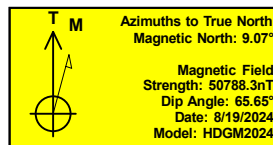
| MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Annotation |
|---------|-------|--------|---------|--------|--------|------|--------|--------|--|
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 325.0 | 0.00 | 0.00 | 325.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | Build 3° / 100' |
| 491.7 | 5.00 | 0.00 | 491.5 | 7.3 | 0.0 | 3.00 | 0.00 | 6.8 | EOB @ 5.00° Inc. / 0.00° Azm / Build 3° / 100' |
| 1056.8 | 21.49 | 22.10 | 1039.9 | 128.7 | 39.2 | 3.00 | 28.20 | 134.2 | EOB @ 21.49° Inc. / 22.10° Azm |
| 8955.3 | 21.49 | 22.10 | 8389.4 | 2809.5 | 1127.6 | 0.00 | 0.00 | 3026.7 | Drop 3° / 100' |
| 9671.5 | 0.00 | 0.00 | 9089.0 | 2932.5 | 1177.6 | 3.00 | 180.00 | 3159.4 | EOD @ Vertical / Build 1.5° / 100' |
| 9756.3 | 1.27 | 240.00 | 9173.7 | 2932.0 | 1176.8 | 1.50 | 240.00 | 3158.7 | EOB @ 1.27° Inc. / 240.00° Azm |
| 14222.7 | 1.27 | 240.00 | 13639.0 | 2882.5 | 1091.0 | 0.00 | 0.00 | 3082.0 | TD @ 14222.7' MD / 13639.0' TVD |

DESIGN TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
|--------------|---------|--------|--------|-------------|------------|-----------|-------------|
| 13B-7 - OHCR | 9089.0 | 2932.5 | 1177.6 | 14436257.37 | 2455927.84 | 39.717185 | -108.100224 |
| 13B-7 - PBHL | 13639.0 | 2882.5 | 1091.0 | 14436204.60 | 2455842.90 | 39.717048 | -108.100532 |

WELL DETAILS: ELU A18 FED 13B-7-495

| +N/-S | +E/-W | Ground Level : 8029.0 | Latitude | Longitude |
|-------|-------|--|-----------|-------------|
| 0.0 | 0.0 | Northing 14433288.40 Easting 2454845.60 | 39.709137 | -108.104408 |



Plan: Design #5 (ELU A18 FED 13B-7-495/OH)

Created By: Will Jircik

Date: 10:14, August 19 2024



Caerus Oil & Gas

**Rio Blanco County, CO
ELU A18 495 Pad
ELU A18 FED 13B-7-495**

OH

Plan: Design #5

KLX Well Planning Report

19 August, 2024



| | | | |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| Database: | KLXDirectional-AD | Local Co-ordinate Reference: | Well ELU A18 FED 13B-7-495 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Project: | Rio Blanco County, CO | MD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Site: | ELU A18 495 Pad | North Reference: | True |
| Well: | ELU A18 FED 13B-7-495 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #5 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| 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 A18 495 Pad | | | | |
|-----------------------|-----|-----------------|--------------------|------------|-------------------|--------|
| Site Position: | | Northing: | 14,433,285.62 usft | Latitude: | 39.709129 | |
| From: | Map | Easting: | 2,454,854.21 usft | Longitude: | -108.104378 | |
| Position Uncertainty: | | 0.0 usft | Slot Radius: | 13-3/16 " | Grid Convergence: | 1.85 ° |

| Well | ELU A18 FED 13B-7-495 | | | | | |
|----------------------|-----------------------|-----------|---------------------|--------------------|---------------|--------------|
| Well Position | +N/-S | 3.1 usft | Northing: | 14,433,288.40 usft | Latitude: | 39.709137 |
| | +E/-W | -8.5 usft | Easting: | 2,454,845.60 usft | Longitude: | -108.104409 |
| Position Uncertainty | | 0.0 usft | Wellhead Elevation: | | Ground Level: | 8,029.0 usft |

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

| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
|-----------|------------|-------------|-----------------|---------------|---------------------|
| | HDGM2024 | 8/19/2024 | 9.07 | 65.65 | 50,788.30000000 |

| | | | | |
|---------------|-----------|--|--|--|
| Design | Design #5 | | | |
|---------------|-----------|--|--|--|

| | | | | |
|--------------------------|--------------------------------|---------------------|----------------------|----------------------|
| 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 | 20.73 |

| 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 | |
| 325.0 | 0.00 | 0.00 | 325.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 491.7 | 5.00 | 0.00 | 491.5 | 7.3 | 0.0 | 3.00 | 3.00 | 0.00 | 0.00 | |
| 1,056.8 | 21.49 | 22.10 | 1,039.9 | 128.7 | 39.2 | 3.00 | 2.92 | 3.91 | 28.20 | |
| 8,955.3 | 21.49 | 22.10 | 8,389.4 | 2,809.5 | 1,127.6 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 9,671.6 | 0.00 | 0.00 | 9,089.0 | 2,932.5 | 1,177.6 | 3.00 | -3.00 | 0.00 | 180.00 | 13B-7 - OHCR |
| 9,756.3 | 1.27 | 240.00 | 9,173.7 | 2,932.0 | 1,176.8 | 1.50 | 1.50 | -141.63 | 240.00 | |
| 14,222.7 | 1.27 | 240.00 | 13,639.0 | 2,882.5 | 1,091.0 | 0.00 | 0.00 | 0.00 | 0.00 | 13B-7 - PBHL |

| | | | |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| Database: | KLXDirectional-AD | Local Co-ordinate Reference: | Well ELU A18 FED 13B-7-495 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Project: | Rio Blanco County, CO | MD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Site: | ELU A18 495 Pad | North Reference: | True |
| Well: | ELU A18 FED 13B-7-495 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #5 | | |

| 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 |
| Build 3° / 100' | | | | | | | | | |
| 325.0 | 0.00 | 0.00 | 325.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 2.25 | 0.00 | 400.0 | 1.5 | 0.0 | 1.4 | 3.00 | 3.00 | 0.00 |
| EOB @ 5.00° Inc. / 0.00° Azm / Build 3° / 100' | | | | | | | | | |
| 491.7 | 5.00 | 0.00 | 491.5 | 7.3 | 0.0 | 6.8 | 3.00 | 3.00 | 0.00 |
| 500.0 | 5.22 | 1.30 | 499.8 | 8.0 | 0.0 | 7.5 | 3.00 | 2.66 | 15.58 |
| 600.0 | 8.01 | 11.08 | 599.1 | 19.4 | 1.5 | 18.7 | 3.00 | 2.79 | 9.78 |
| 700.0 | 10.91 | 15.76 | 697.7 | 35.4 | 5.4 | 35.0 | 3.00 | 2.90 | 4.68 |
| 800.0 | 13.86 | 18.49 | 795.4 | 55.8 | 11.7 | 56.4 | 3.00 | 2.94 | 2.72 |
| 900.0 | 16.82 | 20.27 | 891.8 | 80.8 | 20.5 | 82.8 | 3.00 | 2.96 | 1.78 |
| 1,000.0 | 19.79 | 21.53 | 986.7 | 110.1 | 31.8 | 114.2 | 3.00 | 2.97 | 1.26 |
| EOB @ 21.49° Inc. / 22.10° Azm | | | | | | | | | |
| 1,056.8 | 21.49 | 22.10 | 1,039.9 | 128.7 | 39.2 | 134.2 | 3.00 | 2.98 | 1.00 |
| 1,100.0 | 21.49 | 22.10 | 1,080.1 | 143.3 | 45.2 | 150.1 | 0.00 | 0.00 | 0.00 |
| 1,200.0 | 21.49 | 22.10 | 1,173.1 | 177.3 | 59.0 | 186.7 | 0.00 | 0.00 | 0.00 |
| 1,300.0 | 21.49 | 22.10 | 1,266.2 | 211.2 | 72.7 | 223.3 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 21.49 | 22.10 | 1,359.2 | 245.2 | 86.5 | 259.9 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 21.49 | 22.10 | 1,452.3 | 279.1 | 100.3 | 296.5 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 21.49 | 22.10 | 1,545.3 | 313.0 | 114.1 | 333.2 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 21.49 | 22.10 | 1,638.4 | 347.0 | 127.9 | 369.8 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 21.49 | 22.10 | 1,731.4 | 380.9 | 141.6 | 406.4 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 21.49 | 22.10 | 1,824.5 | 414.9 | 155.4 | 443.0 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 21.49 | 22.10 | 1,917.5 | 448.8 | 169.2 | 479.6 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 21.49 | 22.10 | 2,010.6 | 482.7 | 183.0 | 516.3 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 21.49 | 22.10 | 2,103.6 | 516.7 | 196.8 | 552.9 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 21.49 | 22.10 | 2,196.7 | 550.6 | 210.5 | 589.5 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 21.49 | 22.10 | 2,289.7 | 584.6 | 224.3 | 626.1 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 21.49 | 22.10 | 2,382.8 | 618.5 | 238.1 | 662.7 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 21.49 | 22.10 | 2,475.8 | 652.4 | 251.9 | 699.4 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 21.49 | 22.10 | 2,568.9 | 686.4 | 265.7 | 736.0 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 21.49 | 22.10 | 2,661.9 | 720.3 | 279.4 | 772.6 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 21.49 | 22.10 | 2,755.0 | 754.3 | 293.2 | 809.2 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 21.49 | 22.10 | 2,848.0 | 788.2 | 307.0 | 845.8 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 21.49 | 22.10 | 2,941.1 | 822.1 | 320.8 | 882.5 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 21.49 | 22.10 | 3,034.1 | 856.1 | 334.6 | 919.1 | 0.00 | 0.00 | 0.00 |
| 3,300.0 | 21.49 | 22.10 | 3,127.2 | 890.0 | 348.3 | 955.7 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 21.49 | 22.10 | 3,220.2 | 924.0 | 362.1 | 992.3 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 21.49 | 22.10 | 3,313.3 | 957.9 | 375.9 | 1,028.9 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 21.49 | 22.10 | 3,406.3 | 991.9 | 389.7 | 1,065.6 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 21.49 | 22.10 | 3,499.4 | 1,025.8 | 403.5 | 1,102.2 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 21.49 | 22.10 | 3,592.4 | 1,059.7 | 417.2 | 1,138.8 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 21.49 | 22.10 | 3,685.5 | 1,093.7 | 431.0 | 1,175.4 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 21.49 | 22.10 | 3,778.5 | 1,127.6 | 444.8 | 1,212.1 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 21.49 | 22.10 | 3,871.6 | 1,161.6 | 458.6 | 1,248.7 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 21.49 | 22.10 | 3,964.6 | 1,195.5 | 472.4 | 1,285.3 | 0.00 | 0.00 | 0.00 |
| Wasatch | | | | | | | | | |
| 4,297.1 | 21.49 | 22.10 | 4,055.0 | 1,228.5 | 485.7 | 1,320.9 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 21.49 | 22.10 | 4,057.7 | 1,229.4 | 486.1 | 1,321.9 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 21.49 | 22.10 | 4,150.7 | 1,263.4 | 499.9 | 1,358.5 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 21.49 | 22.10 | 4,243.8 | 1,297.3 | 513.7 | 1,395.2 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| Database: | KLXDirectional-AD | Local Co-ordinate Reference: | Well ELU A18 FED 13B-7-495 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Project: | Rio Blanco County, CO | MD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Site: | ELU A18 495 Pad | North Reference: | True |
| Well: | ELU A18 FED 13B-7-495 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #5 | | |

| 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 | 21.49 | 22.10 | 4,336.8 | 1,331.3 | 527.5 | 1,431.8 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 21.49 | 22.10 | 4,429.9 | 1,365.2 | 541.3 | 1,468.4 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 21.49 | 22.10 | 4,522.9 | 1,399.1 | 555.0 | 1,505.0 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 21.49 | 22.10 | 4,616.0 | 1,433.1 | 568.8 | 1,541.6 | 0.00 | 0.00 | 0.00 |
| 5,000.0 | 21.49 | 22.10 | 4,709.0 | 1,467.0 | 582.6 | 1,578.3 | 0.00 | 0.00 | 0.00 |
| 5,100.0 | 21.49 | 22.10 | 4,802.1 | 1,501.0 | 596.4 | 1,614.9 | 0.00 | 0.00 | 0.00 |
| 5,200.0 | 21.49 | 22.10 | 4,895.1 | 1,534.9 | 610.2 | 1,651.5 | 0.00 | 0.00 | 0.00 |
| 5,300.0 | 21.49 | 22.10 | 4,988.1 | 1,568.8 | 623.9 | 1,688.1 | 0.00 | 0.00 | 0.00 |
| 5,400.0 | 21.49 | 22.10 | 5,081.2 | 1,602.8 | 637.7 | 1,724.7 | 0.00 | 0.00 | 0.00 |
| 5,500.0 | 21.49 | 22.10 | 5,174.2 | 1,636.7 | 651.5 | 1,761.4 | 0.00 | 0.00 | 0.00 |
| 5,600.0 | 21.49 | 22.10 | 5,267.3 | 1,670.7 | 665.3 | 1,798.0 | 0.00 | 0.00 | 0.00 |
| 5,700.0 | 21.49 | 22.10 | 5,360.3 | 1,704.6 | 679.1 | 1,834.6 | 0.00 | 0.00 | 0.00 |
| 5,800.0 | 21.49 | 22.10 | 5,453.4 | 1,738.5 | 692.8 | 1,871.2 | 0.00 | 0.00 | 0.00 |
| 5,900.0 | 21.49 | 22.10 | 5,546.4 | 1,772.5 | 706.6 | 1,907.8 | 0.00 | 0.00 | 0.00 |
| 6,000.0 | 21.49 | 22.10 | 5,639.5 | 1,806.4 | 720.4 | 1,944.5 | 0.00 | 0.00 | 0.00 |
| 6,100.0 | 21.49 | 22.10 | 5,732.5 | 1,840.4 | 734.2 | 1,981.1 | 0.00 | 0.00 | 0.00 |
| 6,200.0 | 21.49 | 22.10 | 5,825.6 | 1,874.3 | 748.0 | 2,017.7 | 0.00 | 0.00 | 0.00 |
| 6,300.0 | 21.49 | 22.10 | 5,918.6 | 1,908.2 | 761.7 | 2,054.3 | 0.00 | 0.00 | 0.00 |
| 6,400.0 | 21.49 | 22.10 | 6,011.7 | 1,942.2 | 775.5 | 2,090.9 | 0.00 | 0.00 | 0.00 |
| 6,500.0 | 21.49 | 22.10 | 6,104.7 | 1,976.1 | 789.3 | 2,127.6 | 0.00 | 0.00 | 0.00 |
| 6,600.0 | 21.49 | 22.10 | 6,197.8 | 2,010.1 | 803.1 | 2,164.2 | 0.00 | 0.00 | 0.00 |
| 6,700.0 | 21.49 | 22.10 | 6,290.8 | 2,044.0 | 816.9 | 2,200.8 | 0.00 | 0.00 | 0.00 |
| 6,800.0 | 21.49 | 22.10 | 6,383.9 | 2,077.9 | 830.6 | 2,237.4 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 21.49 | 22.10 | 6,476.9 | 2,111.9 | 844.4 | 2,274.1 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 21.49 | 22.10 | 6,570.0 | 2,145.8 | 858.2 | 2,310.7 | 0.00 | 0.00 | 0.00 |
| Wasatch G | | | | | | | | | |
| 7,037.6 | 21.49 | 22.10 | 6,605.0 | 2,158.6 | 863.4 | 2,324.5 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 21.49 | 22.10 | 6,663.0 | 2,179.8 | 872.0 | 2,347.3 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 21.49 | 22.10 | 6,756.1 | 2,213.7 | 885.8 | 2,383.9 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 21.49 | 22.10 | 6,849.1 | 2,247.6 | 899.5 | 2,420.5 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 21.49 | 22.10 | 6,942.2 | 2,281.6 | 913.3 | 2,457.2 | 0.00 | 0.00 | 0.00 |
| Fort Union | | | | | | | | | |
| 7,478.3 | 21.49 | 22.10 | 7,015.0 | 2,308.1 | 924.1 | 2,485.8 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 21.49 | 22.10 | 7,035.2 | 2,315.5 | 927.1 | 2,493.8 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 21.49 | 22.10 | 7,128.3 | 2,349.5 | 940.9 | 2,530.4 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 21.49 | 22.10 | 7,221.3 | 2,383.4 | 954.7 | 2,567.0 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 21.49 | 22.10 | 7,314.4 | 2,417.3 | 968.4 | 2,603.6 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 21.49 | 22.10 | 7,407.4 | 2,451.3 | 982.2 | 2,640.3 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 21.49 | 22.10 | 7,500.5 | 2,485.2 | 996.0 | 2,676.9 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 21.49 | 22.10 | 7,593.5 | 2,519.2 | 1,009.8 | 2,713.5 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 21.49 | 22.10 | 7,686.6 | 2,553.1 | 1,023.6 | 2,750.1 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 21.49 | 22.10 | 7,779.6 | 2,587.0 | 1,037.3 | 2,786.7 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 21.49 | 22.10 | 7,872.7 | 2,621.0 | 1,051.1 | 2,823.4 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 21.49 | 22.10 | 7,965.7 | 2,654.9 | 1,064.9 | 2,860.0 | 0.00 | 0.00 | 0.00 |
| 8,600.0 | 21.49 | 22.10 | 8,058.8 | 2,688.9 | 1,078.7 | 2,896.6 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 21.49 | 22.10 | 8,151.8 | 2,722.8 | 1,092.5 | 2,933.2 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 21.49 | 22.10 | 8,244.9 | 2,756.7 | 1,106.2 | 2,969.8 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 21.49 | 22.10 | 8,337.9 | 2,790.7 | 1,120.0 | 3,006.5 | 0.00 | 0.00 | 0.00 |
| Drop 3° /100' | | | | | | | | | |
| 8,955.3 | 21.49 | 22.10 | 8,389.4 | 2,809.5 | 1,127.6 | 3,026.7 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 20.15 | 22.10 | 8,431.2 | 2,824.2 | 1,133.6 | 3,042.6 | 3.00 | -3.00 | 0.00 |
| 9,100.0 | 17.15 | 22.10 | 8,525.9 | 2,853.8 | 1,145.6 | 3,074.6 | 3.00 | -3.00 | 0.00 |
| 9,200.0 | 14.15 | 22.10 | 8,622.2 | 2,878.8 | 1,155.8 | 3,101.5 | 3.00 | -3.00 | 0.00 |

| | | | |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| Database: | KLXDirectional-AD | Local Co-ordinate Reference: | Well ELU A18 FED 13B-7-495 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Project: | Rio Blanco County, CO | MD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Site: | ELU A18 495 Pad | North Reference: | True |
| Well: | ELU A18 FED 13B-7-495 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #5 | | |

| 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) | |
| 9,300.0 | 11.15 | 22.10 | 8,719.7 | 2,899.1 | 1,164.0 | 3,123.4 | 3.00 | -3.00 | 0.00 | |
| 9,400.0 | 8.15 | 22.10 | 8,818.3 | 2,914.6 | 1,170.3 | 3,140.2 | 3.00 | -3.00 | 0.00 | |
| 9,500.0 | 5.15 | 22.10 | 8,917.6 | 2,925.3 | 1,174.7 | 3,151.7 | 3.00 | -3.00 | 0.00 | |
| 9,600.0 | 2.15 | 22.10 | 9,017.4 | 2,931.2 | 1,177.1 | 3,158.1 | 3.00 | -3.00 | 0.00 | |
| EOD @ Vertical / Build 1.5° / 100' - Ohio Creek | | | | | | | | | | |
| 9,671.6 | 0.00 | 0.00 | 9,089.0 | 2,932.5 | 1,177.6 | 3,159.4 | 3.00 | -3.00 | 0.00 | |
| 9,700.0 | 0.43 | 240.00 | 9,117.4 | 2,932.4 | 1,177.5 | 3,159.4 | 1.50 | 1.50 | 0.00 | |
| EOB @ 1.27° Inc. / 240.00° Azm | | | | | | | | | | |
| 9,756.3 | 1.27 | 240.00 | 9,173.7 | 2,932.0 | 1,176.8 | 3,158.7 | 1.50 | 1.50 | 0.00 | |
| 9,800.0 | 1.27 | 240.00 | 9,217.4 | 2,931.5 | 1,175.9 | 3,158.0 | 0.00 | 0.00 | 0.00 | |
| 9,900.0 | 1.27 | 240.00 | 9,317.4 | 2,930.4 | 1,174.0 | 3,156.2 | 0.00 | 0.00 | 0.00 | |
| 10,000.0 | 1.27 | 240.00 | 9,417.3 | 2,929.3 | 1,172.1 | 3,154.5 | 0.00 | 0.00 | 0.00 | |
| 10,100.0 | 1.27 | 240.00 | 9,517.3 | 2,928.2 | 1,170.2 | 3,152.8 | 0.00 | 0.00 | 0.00 | |
| 10,200.0 | 1.27 | 240.00 | 9,617.3 | 2,927.1 | 1,168.2 | 3,151.1 | 0.00 | 0.00 | 0.00 | |
| 10,300.0 | 1.27 | 240.00 | 9,717.3 | 2,926.0 | 1,166.3 | 3,149.4 | 0.00 | 0.00 | 0.00 | |
| Williams Fork | | | | | | | | | | |
| 10,321.7 | 1.27 | 240.00 | 9,739.0 | 2,925.7 | 1,165.9 | 3,149.0 | 0.00 | 0.00 | 0.00 | |
| 10,400.0 | 1.27 | 240.00 | 9,817.2 | 2,924.9 | 1,164.4 | 3,147.7 | 0.00 | 0.00 | 0.00 | |
| 10,500.0 | 1.27 | 240.00 | 9,917.2 | 2,923.7 | 1,162.5 | 3,145.9 | 0.00 | 0.00 | 0.00 | |
| 10,600.0 | 1.27 | 240.00 | 10,017.2 | 2,922.6 | 1,160.6 | 3,144.2 | 0.00 | 0.00 | 0.00 | |
| 10,700.0 | 1.27 | 240.00 | 10,117.2 | 2,921.5 | 1,158.6 | 3,142.5 | 0.00 | 0.00 | 0.00 | |
| 10,800.0 | 1.27 | 240.00 | 10,217.1 | 2,920.4 | 1,156.7 | 3,140.8 | 0.00 | 0.00 | 0.00 | |
| 10,900.0 | 1.27 | 240.00 | 10,317.1 | 2,919.3 | 1,154.8 | 3,139.1 | 0.00 | 0.00 | 0.00 | |
| 11,000.0 | 1.27 | 240.00 | 10,417.1 | 2,918.2 | 1,152.9 | 3,137.4 | 0.00 | 0.00 | 0.00 | |
| 11,100.0 | 1.27 | 240.00 | 10,517.1 | 2,917.1 | 1,151.0 | 3,135.6 | 0.00 | 0.00 | 0.00 | |
| 11,200.0 | 1.27 | 240.00 | 10,617.0 | 2,916.0 | 1,149.0 | 3,133.9 | 0.00 | 0.00 | 0.00 | |
| 11,300.0 | 1.27 | 240.00 | 10,717.0 | 2,914.9 | 1,147.1 | 3,132.2 | 0.00 | 0.00 | 0.00 | |
| 11,400.0 | 1.27 | 240.00 | 10,817.0 | 2,913.8 | 1,145.2 | 3,130.5 | 0.00 | 0.00 | 0.00 | |
| 11,500.0 | 1.27 | 240.00 | 10,917.0 | 2,912.7 | 1,143.3 | 3,128.8 | 0.00 | 0.00 | 0.00 | |
| 11,600.0 | 1.27 | 240.00 | 11,016.9 | 2,911.5 | 1,141.4 | 3,127.1 | 0.00 | 0.00 | 0.00 | |
| 11,700.0 | 1.27 | 240.00 | 11,116.9 | 2,910.4 | 1,139.4 | 3,125.3 | 0.00 | 0.00 | 0.00 | |
| 11,800.0 | 1.27 | 240.00 | 11,216.9 | 2,909.3 | 1,137.5 | 3,123.6 | 0.00 | 0.00 | 0.00 | |
| 11,900.0 | 1.27 | 240.00 | 11,316.9 | 2,908.2 | 1,135.6 | 3,121.9 | 0.00 | 0.00 | 0.00 | |
| 12,000.0 | 1.27 | 240.00 | 11,416.8 | 2,907.1 | 1,133.7 | 3,120.2 | 0.00 | 0.00 | 0.00 | |
| 12,100.0 | 1.27 | 240.00 | 11,516.8 | 2,906.0 | 1,131.7 | 3,118.5 | 0.00 | 0.00 | 0.00 | |
| 12,200.0 | 1.27 | 240.00 | 11,616.8 | 2,904.9 | 1,129.8 | 3,116.7 | 0.00 | 0.00 | 0.00 | |
| 12,300.0 | 1.27 | 240.00 | 11,716.8 | 2,903.8 | 1,127.9 | 3,115.0 | 0.00 | 0.00 | 0.00 | |
| 12,400.0 | 1.27 | 240.00 | 11,816.7 | 2,902.7 | 1,126.0 | 3,113.3 | 0.00 | 0.00 | 0.00 | |
| 12,500.0 | 1.27 | 240.00 | 11,916.7 | 2,901.6 | 1,124.1 | 3,111.6 | 0.00 | 0.00 | 0.00 | |
| 12,600.0 | 1.27 | 240.00 | 12,016.7 | 2,900.5 | 1,122.1 | 3,109.9 | 0.00 | 0.00 | 0.00 | |
| 12,700.0 | 1.27 | 240.00 | 12,116.7 | 2,899.4 | 1,120.2 | 3,108.2 | 0.00 | 0.00 | 0.00 | |
| 12,800.0 | 1.27 | 240.00 | 12,216.6 | 2,898.2 | 1,118.3 | 3,106.4 | 0.00 | 0.00 | 0.00 | |
| 12,900.0 | 1.27 | 240.00 | 12,316.6 | 2,897.1 | 1,116.4 | 3,104.7 | 0.00 | 0.00 | 0.00 | |
| 13,000.0 | 1.27 | 240.00 | 12,416.6 | 2,896.0 | 1,114.5 | 3,103.0 | 0.00 | 0.00 | 0.00 | |
| 13,100.0 | 1.27 | 240.00 | 12,516.6 | 2,894.9 | 1,112.5 | 3,101.3 | 0.00 | 0.00 | 0.00 | |
| 13,200.0 | 1.27 | 240.00 | 12,616.5 | 2,893.8 | 1,110.6 | 3,099.6 | 0.00 | 0.00 | 0.00 | |
| Cameo | | | | | | | | | | |
| 13,222.5 | 1.27 | 240.00 | 12,639.0 | 2,893.6 | 1,110.2 | 3,099.2 | 0.00 | 0.00 | 0.00 | |
| 13,300.0 | 1.27 | 240.00 | 12,716.5 | 2,892.7 | 1,108.7 | 3,097.9 | 0.00 | 0.00 | 0.00 | |
| 13,400.0 | 1.27 | 240.00 | 12,816.5 | 2,891.6 | 1,106.8 | 3,096.1 | 0.00 | 0.00 | 0.00 | |
| 13,500.0 | 1.27 | 240.00 | 12,916.5 | 2,890.5 | 1,104.9 | 3,094.4 | 0.00 | 0.00 | 0.00 | |
| 13,600.0 | 1.27 | 240.00 | 13,016.5 | 2,889.4 | 1,102.9 | 3,092.7 | 0.00 | 0.00 | 0.00 | |
| 13,700.0 | 1.27 | 240.00 | 13,116.4 | 2,888.3 | 1,101.0 | 3,091.0 | 0.00 | 0.00 | 0.00 | |
| Rollins | | | | | | | | | | |

| | | | |
|------------------|-----------------------|-------------------------------------|----------------------------------|
| Database: | KLXDirectional-AD | Local Co-ordinate Reference: | Well ELU A18 FED 13B-7-495 |
| Company: | Caerus Oil & Gas | TVD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Project: | Rio Blanco County, CO | MD Reference: | RKB=26' @ 8059.0usft (Nabors B4) |
| Site: | ELU A18 495 Pad | North Reference: | True |
| Well: | ELU A18 FED 13B-7-495 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | Design #5 | | |

| 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) | |
| 13,722.6 | 1.27 | 240.00 | 13,139.0 | 2,888.0 | 1,100.6 | 3,090.6 | 0.00 | 0.00 | 0.00 | |
| 13,800.0 | 1.27 | 240.00 | 13,216.4 | 2,887.2 | 1,099.1 | 3,089.3 | 0.00 | 0.00 | 0.00 | |
| 13,900.0 | 1.27 | 240.00 | 13,316.4 | 2,886.0 | 1,097.2 | 3,087.6 | 0.00 | 0.00 | 0.00 | |
| 14,000.0 | 1.27 | 240.00 | 13,416.4 | 2,884.9 | 1,095.3 | 3,085.8 | 0.00 | 0.00 | 0.00 | |
| 14,100.0 | 1.27 | 240.00 | 13,516.3 | 2,883.8 | 1,093.3 | 3,084.1 | 0.00 | 0.00 | 0.00 | |
| 14,200.0 | 1.27 | 240.00 | 13,616.3 | 2,882.7 | 1,091.4 | 3,082.4 | 0.00 | 0.00 | 0.00 | |
| TD @ 14222.7' MD / 13639.0' TVD | | | | | | | | | | |
| 14,222.7 | 1.27 | 240.00 | 13,639.0 | 2,882.5 | 1,091.0 | 3,082.0 | 0.00 | 0.00 | 0.00 | |

| Design Targets | | | | | | | | | | |
|----------------|---------------------------|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name | - hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| 13B-7 - OHCR | - plan hits target center | 0.00 | 0.00 | 9,089.0 | 2,932.5 | 1,177.6 | 14,436,257.37 | 2,455,927.85 | 39.717185 | -108.100224 |
| - Point | | | | | | | | | | |
| 13B-7 - PBHL | - plan hits target center | 0.00 | 0.00 | 13,639.0 | 2,882.5 | 1,091.0 | 14,436,204.60 | 2,455,842.90 | 39.717048 | -108.100532 |
| - Point | | | | | | | | | | |

| Formations | | | | | | |
|-----------------------|-----------------------|---------------|-----------|---------|-------------------|--|
| Measured Depth (usft) | Vertical Depth (usft) | Name | Lithology | Dip (°) | Dip Direction (°) | |
| 4,297.1 | 4,055.0 | Wasatch | | | | |
| 7,037.6 | 6,605.0 | Wasatch G | | | | |
| 7,478.3 | 7,015.0 | Fort Union | | | | |
| 9,671.6 | 9,089.0 | Ohio Creek | | | | |
| 10,321.7 | 9,739.0 | Williams Fork | | | | |
| 13,222.5 | 12,639.0 | Cameo | | | | |
| 13,722.6 | 13,139.0 | Rollins | | | | |

| Plan Annotations | | | | | |
|-----------------------|-----------------------|--------------|--------------|--|--|
| Measured Depth (usft) | Vertical Depth (usft) | +N/-S (usft) | +E/-W (usft) | Comment | |
| 325.0 | 325.0 | 0.0 | 0.0 | Build 3° / 100' | |
| 491.7 | 491.5 | 7.3 | 0.0 | EOB @ 5.00° Inc. / 0.00° Azm / Build 3° / 100' | |
| 1,056.8 | 1,039.9 | 128.7 | 39.2 | EOB @ 21.49° Inc. / 22.10° Azm | |
| 8,955.3 | 8,389.4 | 2,809.5 | 1,127.6 | Drop 3° / 100' | |
| 9,671.6 | 9,089.0 | 2,932.5 | 1,177.6 | EOD @ Vertical / Build 1.5° / 100' | |
| 9,756.3 | 9,173.7 | 2,932.0 | 1,176.8 | EOB @ 1.27° Inc. / 240.00° Azm | |
| 14,222.7 | 13,639.0 | 2,882.5 | 1,091.0 | TD @ 14222.7' MD / 13639.0' TVD | |