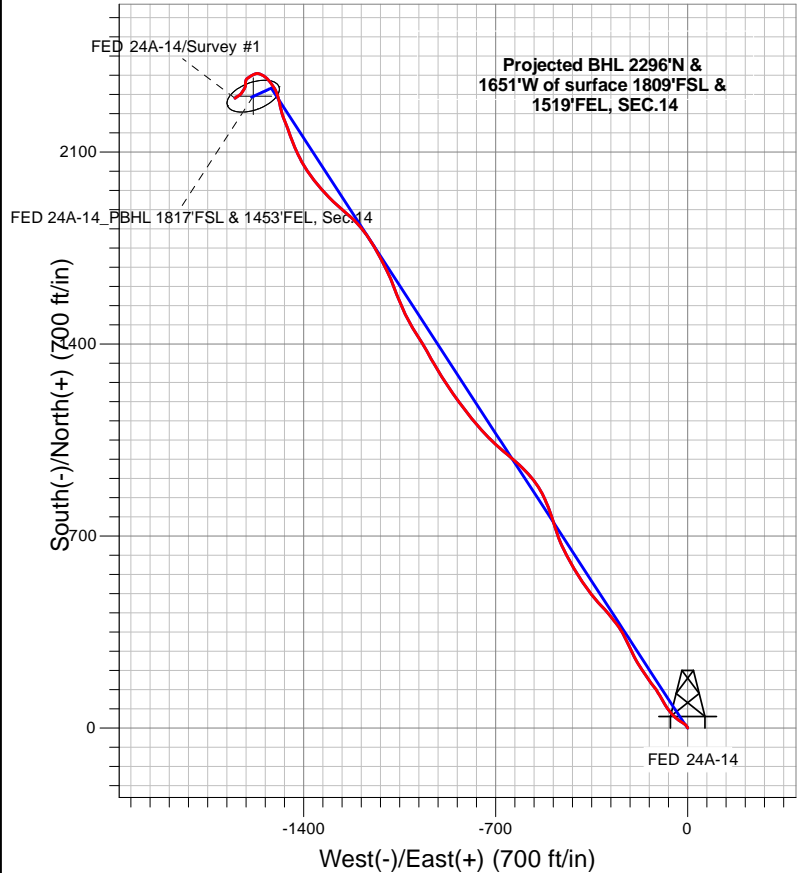


Caerus Oil and Gas LLC



LEGEND

- +— FED 24A-14, Wellbore #1, Plan #4 (8-2-19) V0
- +— Wellbore #1
- Survey #1

Final Survey Plot

Projected Final Survey -
 12,714'MD & 12,204' TVD @ 2827.34'VS
 3.60 deg Inc 234.8 deg AZ

Project: SEC.24-T4S-R96W
 Site: FED A24 Pad Sec.24-T4S-R96W
 Well: FED 24A-14-496
 Plan: Wellbore #1



Caerus Oil and Gas LLC

SEC.24-T4S-R96W

FED A24 Pad Sec.24-T4S-R96W

FED 24A-14-496

Wellbore #1

Survey: Survey #1

Standard Survey Report

15 August, 2019

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------------|
| Company: | Caerus Oil and Gas LLC | Local Co-ordinate Reference: | Well FED 24A-14-496 |
| Project: | SEC.24-T4S-R96W | TVD Reference: | WELL @ 8155.0ft (RKB - 30") |
| Site: | FED A24 Pad Sec.24-T4S-R96W | MD Reference: | WELL @ 8155.0ft (RKB - 30") |
| Well: | FED 24A-14-496 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | US_EDM |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | SEC.24-T4S-R96W, Garfield County, CO | | |
| Map System: | Universal Transverse Mercator (US Survey Feet) | System Datum: | Mean Sea Level |
| Geo Datum: | NAD 1927 - Western US | | |
| Map Zone: | Zone 12N (114 W to 108 W) | | |

| Site | | FED A24 Pad Sec.24-T4S-R96W | | | | |
|-----------------------|----------|-----------------------------|---------------|------|-------------------|-------------|
| Site Position: | | Northing: | 14,427,694.64 | usft | Latitude: | 39.694298 |
| From: | Lat/Long | Easting: | 2,449,140.83 | usft | Longitude: | -108.125304 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13-3/16 " | | Grid Convergence: | 1.84 ° |

| Well | FED 24A-14-496 | | | | | |
|----------------------|----------------|--------|---------------------|--------------------|---------------|-------------|
| Well Position | +N/-S | 0.0 ft | Northing: | 14,427,595.19 usft | Latitude: | 39.694026 |
| | +E/-W | 0.0 ft | Easting: | 2,449,131.91 usft | Longitude: | -108.125347 |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | 0.0 ft | Ground Level: | 8,125.0 ft |

| | | | | | |
|-------------|------------|-------------|-----------------|---------------|---------------------|
| Wellbore #1 | | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | HDGM | 8/6/2019 | 9.50 | 65.80 | 51,321 |

| | | | | | |
|-------------------|--------------------------|---------------|---------------|------------------|-----|
| Design | Wellbore #1 | | | | |
| Audit Notes: | | | | | |
| Version: | 1.0 | Phase: | ACTUAL | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) | |
| | 0.0 | 0.0 | 0.0 | 325.48 | |

| Survey Program | | Date | 8/15/2019 | | |
|----------------|------------|-------------------------|-----------|----------------|--|
| From (ft) | To (ft) | Survey (Wellbore) | Tool Name | Description | |
| 120.0 | 12,714.0 | Survey #1 (Wellbore #1) | MWD | MWD - Standard | |

| Survey | | | | | | | | | | |
|----------|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| | Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| Survey 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | 120.0 | 0.00 | 0.00 | 120.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| | 209.0 | 0.30 | 310.30 | 209.0 | 0.2 | -0.2 | 0.2 | 0.34 | 0.34 | 0.00 |
| | 301.0 | 2.20 | 331.80 | 301.0 | 1.9 | -1.2 | 2.2 | 2.09 | 2.07 | 23.37 |
| | 393.0 | 3.70 | 331.60 | 392.8 | 6.0 | -3.4 | 6.9 | 1.63 | 1.63 | -0.22 |
| | 485.0 | 4.30 | 318.80 | 484.6 | 11.2 | -7.1 | 13.3 | 1.17 | 0.65 | -13.91 |
| | 576.0 | 4.90 | 300.40 | 575.3 | 15.8 | -12.7 | 20.2 | 1.74 | 0.66 | -20.22 |
| | 670.0 | 7.40 | 300.20 | 668.8 | 20.8 | -21.4 | 29.3 | 2.66 | 2.66 | -0.21 |
| | 765.0 | 10.90 | 306.80 | 762.6 | 29.3 | -33.9 | 43.4 | 3.84 | 3.68 | 6.95 |
| | 859.0 | 14.10 | 313.80 | 854.3 | 42.6 | -49.3 | 63.0 | 3.76 | 3.40 | 7.45 |

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------------|
| Company: | Caerus Oil and Gas LLC | Local Co-ordinate Reference: | Well FED 24A-14-496 |
| Project: | SEC.24-T4S-R96W | TVD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Site: | FED A24 Pad Sec.24-T4S-R96W | MD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Well: | FED 24A-14-496 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 954.0 | 17.60 | 321.20 | 945.7 | 61.8 | -66.6 | 88.7 | 4.25 | 3.68 | 7.79 |
| 1,048.0 | 20.90 | 330.00 | 1,034.5 | 87.4 | -83.9 | 119.6 | 4.67 | 3.51 | 9.36 |
| 1,143.0 | 23.30 | 329.90 | 1,122.5 | 118.3 | -101.8 | 155.2 | 2.53 | 2.53 | -0.11 |
| 1,238.0 | 23.30 | 323.80 | 1,209.7 | 149.7 | -122.4 | 192.7 | 2.54 | 0.00 | -6.42 |
| 1,332.0 | 24.00 | 323.80 | 1,295.9 | 180.2 | -144.6 | 230.4 | 0.74 | 0.74 | 0.00 |
| 1,427.0 | 21.60 | 326.90 | 1,383.4 | 210.4 | -165.6 | 267.2 | 2.82 | -2.53 | 3.26 |
| 1,521.0 | 18.10 | 329.80 | 1,471.8 | 237.5 | -182.4 | 299.1 | 3.87 | -3.72 | 3.09 |
| 1,616.0 | 16.50 | 331.80 | 1,562.5 | 262.2 | -196.2 | 327.2 | 1.80 | -1.68 | 2.11 |
| 1,711.0 | 15.90 | 335.90 | 1,653.8 | 285.9 | -207.9 | 353.4 | 1.36 | -0.63 | 4.32 |
| 1,805.0 | 15.90 | 334.70 | 1,744.2 | 309.3 | -218.6 | 378.8 | 0.35 | 0.00 | -1.28 |
| 1,900.0 | 16.30 | 332.90 | 1,835.4 | 333.0 | -230.3 | 404.8 | 0.67 | 0.42 | -1.89 |
| 1,994.0 | 17.40 | 328.00 | 1,925.4 | 356.6 | -243.7 | 432.0 | 1.91 | 1.17 | -5.21 |
| 2,088.0 | 16.10 | 322.80 | 2,015.4 | 378.9 | -259.1 | 459.0 | 2.11 | -1.38 | -5.53 |
| 2,182.0 | 14.10 | 320.20 | 2,106.2 | 398.1 | -274.3 | 483.5 | 2.25 | -2.13 | -2.77 |
| 2,277.0 | 13.30 | 320.90 | 2,198.5 | 415.5 | -288.6 | 505.9 | 0.86 | -0.84 | 0.74 |
| 2,371.0 | 13.90 | 318.30 | 2,289.8 | 432.3 | -302.9 | 527.9 | 0.91 | 0.64 | -2.77 |
| 2,465.0 | 14.50 | 316.30 | 2,381.0 | 449.3 | -318.6 | 550.7 | 0.82 | 0.64 | -2.13 |
| 2,560.0 | 15.60 | 319.60 | 2,472.7 | 467.6 | -335.0 | 575.1 | 1.47 | 1.16 | 3.47 |
| 2,654.0 | 16.60 | 321.70 | 2,563.0 | 487.7 | -351.6 | 601.1 | 1.23 | 1.06 | 2.23 |
| 2,749.0 | 17.20 | 324.30 | 2,653.9 | 509.8 | -368.2 | 628.7 | 1.02 | 0.63 | 2.74 |
| 2,843.0 | 18.00 | 326.00 | 2,743.5 | 533.1 | -384.4 | 657.1 | 1.01 | 0.85 | 1.81 |
| 2,937.0 | 19.30 | 328.60 | 2,832.6 | 558.4 | -400.6 | 687.1 | 1.64 | 1.38 | 2.77 |
| 3,160.0 | 20.70 | 331.60 | 3,042.1 | 624.6 | -438.6 | 763.1 | 0.78 | 0.63 | 1.35 |
| 3,254.0 | 20.70 | 333.60 | 3,130.1 | 654.1 | -453.9 | 796.1 | 0.75 | 0.00 | 2.13 |
| 3,348.0 | 22.30 | 338.30 | 3,217.5 | 685.5 | -467.8 | 829.9 | 2.50 | 1.70 | 5.00 |
| 3,443.0 | 23.50 | 342.90 | 3,305.0 | 720.4 | -480.1 | 865.6 | 2.27 | 1.26 | 4.84 |
| 3,538.0 | 25.30 | 342.50 | 3,391.6 | 757.8 | -491.7 | 903.1 | 1.90 | 1.89 | -0.42 |
| 3,632.0 | 26.20 | 339.00 | 3,476.2 | 796.4 | -505.2 | 942.5 | 1.88 | 0.96 | -3.72 |
| 3,726.0 | 23.00 | 336.10 | 3,561.7 | 832.5 | -520.1 | 980.7 | 3.64 | -3.40 | -3.09 |
| 3,821.0 | 21.80 | 330.60 | 3,649.5 | 864.9 | -536.3 | 1,016.5 | 2.54 | -1.26 | -5.79 |
| 3,916.0 | 21.40 | 324.00 | 3,737.9 | 894.3 | -555.1 | 1,051.4 | 2.59 | -0.42 | -6.95 |
| 4,011.0 | 22.20 | 317.90 | 3,826.1 | 921.6 | -577.4 | 1,086.5 | 2.53 | 0.84 | -6.42 |
| 4,105.0 | 22.90 | 314.40 | 3,912.9 | 947.6 | -602.3 | 1,122.1 | 1.61 | 0.74 | -3.72 |
| 4,200.0 | 22.30 | 310.80 | 4,000.6 | 972.3 | -629.2 | 1,157.7 | 1.59 | -0.63 | -3.79 |
| 4,294.0 | 22.90 | 310.70 | 4,087.4 | 995.9 | -656.6 | 1,192.6 | 0.64 | 0.64 | -0.11 |
| 4,389.0 | 23.60 | 311.50 | 4,174.7 | 1,020.5 | -684.8 | 1,228.9 | 0.81 | 0.74 | 0.84 |
| 4,483.0 | 24.40 | 312.90 | 4,260.5 | 1,046.2 | -713.1 | 1,266.1 | 1.04 | 0.85 | 1.49 |
| 4,578.0 | 23.50 | 317.40 | 4,347.4 | 1,073.5 | -740.3 | 1,304.0 | 2.14 | -0.95 | 4.74 |
| 4,672.0 | 23.30 | 319.50 | 4,433.6 | 1,101.5 | -765.1 | 1,341.1 | 0.91 | -0.21 | 2.23 |
| 4,767.0 | 23.30 | 321.40 | 4,520.9 | 1,130.4 | -789.0 | 1,378.5 | 0.79 | 0.00 | 2.00 |
| 4,861.0 | 23.20 | 322.80 | 4,607.3 | 1,159.7 | -811.8 | 1,415.6 | 0.60 | -0.11 | 1.49 |
| 4,956.0 | 23.20 | 323.70 | 4,694.6 | 1,189.7 | -834.2 | 1,452.9 | 0.37 | 0.00 | 0.95 |
| 5,050.0 | 23.30 | 324.40 | 4,781.0 | 1,219.7 | -856.0 | 1,490.0 | 0.31 | 0.11 | 0.74 |
| 5,145.0 | 23.30 | 326.70 | 4,868.2 | 1,250.7 | -877.2 | 1,527.6 | 0.96 | 0.00 | 2.42 |

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------------|
| Company: | Caerus Oil and Gas LLC | Local Co-ordinate Reference: | Well FED 24A-14-496 |
| Project: | SEC.24-T4S-R96W | TVD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Site: | FED A24 Pad Sec.24-T4S-R96W | MD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Well: | FED 24A-14-496 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | | |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) | |
| 5,239.0 | 22.90 | 328.20 | 4,954.7 | 1,281.8 | -897.1 | 1,564.5 | 0.76 | -0.43 | 1.60 | |
| 5,334.0 | 23.00 | 328.90 | 5,042.1 | 1,313.4 | -916.4 | 1,601.5 | 0.31 | 0.11 | 0.74 | |
| 5,428.0 | 21.40 | 330.90 | 5,129.2 | 1,344.1 | -934.2 | 1,636.9 | 1.88 | -1.70 | 2.13 | |
| 5,523.0 | 21.00 | 330.70 | 5,217.7 | 1,374.1 | -951.0 | 1,671.1 | 0.43 | -0.42 | -0.21 | |
| 5,617.0 | 20.90 | 328.60 | 5,305.5 | 1,403.1 | -968.0 | 1,704.6 | 0.81 | -0.11 | -2.23 | |
| 5,712.0 | 21.00 | 327.30 | 5,394.3 | 1,431.9 | -986.0 | 1,738.5 | 0.50 | 0.11 | -1.37 | |
| 5,806.0 | 20.30 | 329.50 | 5,482.2 | 1,460.1 | -1,003.4 | 1,771.6 | 1.11 | -0.74 | 2.34 | |
| 5,901.0 | 20.30 | 331.30 | 5,571.3 | 1,488.8 | -1,019.6 | 1,804.5 | 0.66 | 0.00 | 1.89 | |
| 5,996.0 | 20.20 | 333.70 | 5,660.4 | 1,517.9 | -1,034.8 | 1,837.1 | 0.88 | -0.11 | 2.53 | |
| 6,090.0 | 20.10 | 339.30 | 5,748.7 | 1,547.6 | -1,047.7 | 1,868.8 | 2.05 | -0.11 | 5.96 | |
| 6,185.0 | 19.80 | 339.00 | 5,838.0 | 1,577.9 | -1,059.3 | 1,900.3 | 0.33 | -0.32 | -0.32 | |
| 6,279.0 | 19.70 | 338.10 | 5,926.5 | 1,607.4 | -1,070.9 | 1,931.3 | 0.34 | -0.11 | -0.96 | |
| 6,374.0 | 19.80 | 336.50 | 6,015.9 | 1,637.0 | -1,083.3 | 1,962.7 | 0.58 | 0.11 | -1.68 | |
| 6,469.0 | 19.60 | 334.70 | 6,105.3 | 1,666.2 | -1,096.5 | 1,994.2 | 0.67 | -0.21 | -1.89 | |
| 6,563.0 | 19.20 | 332.90 | 6,194.0 | 1,694.2 | -1,110.3 | 2,025.1 | 0.77 | -0.43 | -1.91 | |
| 6,658.0 | 19.10 | 331.90 | 6,283.7 | 1,721.8 | -1,124.7 | 2,056.0 | 0.36 | -0.11 | -1.05 | |
| 6,753.0 | 20.00 | 329.30 | 6,373.3 | 1,749.5 | -1,140.3 | 2,087.7 | 1.32 | 0.95 | -2.74 | |
| 6,847.0 | 19.90 | 327.70 | 6,461.6 | 1,776.9 | -1,157.1 | 2,119.7 | 0.59 | -0.11 | -1.70 | |
| 6,942.0 | 19.20 | 324.20 | 6,551.1 | 1,803.2 | -1,174.9 | 2,151.5 | 1.44 | -0.74 | -3.68 | |
| 7,036.0 | 18.80 | 319.40 | 6,640.0 | 1,827.2 | -1,193.8 | 2,182.0 | 1.72 | -0.43 | -5.11 | |
| 7,131.0 | 19.40 | 314.20 | 6,729.8 | 1,849.9 | -1,215.0 | 2,212.7 | 1.90 | 0.63 | -5.47 | |
| 7,226.0 | 21.00 | 311.50 | 6,819.0 | 1,872.1 | -1,239.1 | 2,244.7 | 1.95 | 1.68 | -2.84 | |
| 7,320.0 | 22.50 | 311.40 | 6,906.3 | 1,895.2 | -1,265.2 | 2,278.5 | 1.60 | 1.60 | -0.11 | |
| 7,414.0 | 22.90 | 313.50 | 6,993.0 | 1,919.7 | -1,292.0 | 2,313.8 | 0.96 | 0.43 | 2.23 | |
| 7,510.0 | 23.20 | 316.30 | 7,081.3 | 1,946.2 | -1,318.6 | 2,350.8 | 1.18 | 0.31 | 2.92 | |
| 7,604.0 | 23.20 | 319.60 | 7,167.7 | 1,973.7 | -1,343.4 | 2,387.5 | 1.38 | 0.00 | 3.51 | |
| 7,698.0 | 23.10 | 323.10 | 7,254.2 | 2,002.5 | -1,366.4 | 2,424.3 | 1.47 | -0.11 | 3.72 | |
| 7,793.0 | 23.20 | 326.80 | 7,341.5 | 2,033.1 | -1,387.9 | 2,461.6 | 1.53 | 0.11 | 3.89 | |
| 7,888.0 | 23.40 | 330.60 | 7,428.8 | 2,065.2 | -1,407.4 | 2,499.1 | 1.60 | 0.21 | 4.00 | |
| 7,982.0 | 23.10 | 335.70 | 7,515.1 | 2,098.3 | -1,424.1 | 2,535.9 | 2.16 | -0.32 | 5.43 | |
| 8,077.0 | 20.20 | 337.90 | 7,603.4 | 2,130.5 | -1,438.0 | 2,570.2 | 3.17 | -3.05 | 2.32 | |
| 8,171.0 | 18.10 | 340.10 | 7,692.2 | 2,159.2 | -1,449.1 | 2,600.2 | 2.36 | -2.23 | 2.34 | |
| 8,266.0 | 17.30 | 339.70 | 7,782.7 | 2,186.4 | -1,459.0 | 2,628.2 | 0.85 | -0.84 | -0.42 | |
| 8,360.0 | 17.40 | 338.10 | 7,872.5 | 2,212.5 | -1,469.1 | 2,655.5 | 0.52 | 0.11 | -1.70 | |
| 8,454.0 | 15.90 | 342.20 | 7,962.5 | 2,237.8 | -1,478.3 | 2,681.5 | 2.03 | -1.60 | 4.36 | |
| 8,549.0 | 14.00 | 347.70 | 8,054.3 | 2,261.4 | -1,484.7 | 2,704.6 | 2.49 | -2.00 | 5.79 | |
| 8,644.0 | 13.60 | 348.40 | 8,146.6 | 2,283.6 | -1,489.4 | 2,725.5 | 0.46 | -0.42 | 0.74 | |
| 8,738.0 | 10.80 | 341.90 | 8,238.4 | 2,302.8 | -1,494.3 | 2,744.2 | 3.31 | -2.98 | -6.91 | |
| 8,833.0 | 9.10 | 338.40 | 8,332.0 | 2,318.2 | -1,499.9 | 2,760.0 | 1.90 | -1.79 | -3.68 | |
| 8,928.0 | 7.60 | 330.00 | 8,426.0 | 2,330.7 | -1,505.8 | 2,773.6 | 2.03 | -1.58 | -8.84 | |
| 9,022.0 | 7.40 | 324.40 | 8,519.2 | 2,341.0 | -1,512.4 | 2,785.9 | 0.81 | -0.21 | -5.96 | |
| 9,117.0 | 7.70 | 323.90 | 8,613.4 | 2,351.1 | -1,519.7 | 2,798.4 | 0.32 | 0.32 | -0.53 | |
| 9,211.0 | 7.10 | 319.90 | 8,706.6 | 2,360.6 | -1,527.2 | 2,810.4 | 0.84 | -0.64 | -4.26 | |

| | | | |
|------------------|-----------------------------|-------------------------------------|-----------------------------|
| Company: | Caerus Oil and Gas LLC | Local Co-ordinate Reference: | Well FED 24A-14-496 |
| Project: | SEC.24-T4S-R96W | TVD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Site: | FED A24 Pad Sec.24-T4S-R96W | MD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Well: | FED 24A-14-496 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | US_EDM |

| Survey | | | | | | | | | |
|---|-----------------|-------------|---------------------|------------|------------|-----------------------|-------------------------|------------------------|-----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100usft) | Build Rate (°/100usft) | Turn Rate (°/100usft) |
| 9,316.0 | 6.50 | 313.20 | 8,810.8 | 2,369.7 | -1,535.7 | 2,822.7 | 0.95 | -0.57 | -6.38 |
| 9,411.0 | 5.40 | 304.90 | 8,905.3 | 2,375.9 | -1,543.3 | 2,832.1 | 1.47 | -1.16 | -8.74 |
| 9,505.0 | 4.30 | 296.10 | 8,999.0 | 2,380.0 | -1,550.1 | 2,839.3 | 1.41 | -1.17 | -9.36 |
| 9,600.0 | 4.10 | 296.30 | 9,093.7 | 2,383.1 | -1,556.3 | 2,845.4 | 0.21 | -0.21 | 0.21 |
| 9,694.0 | 3.60 | 282.90 | 9,187.5 | 2,385.2 | -1,562.2 | 2,850.5 | 1.09 | -0.53 | -14.26 |
| 9,789.0 | 3.10 | 274.40 | 9,282.4 | 2,386.1 | -1,567.7 | 2,854.3 | 0.74 | -0.53 | -8.95 |
| 9,883.0 | 1.90 | 263.30 | 9,376.3 | 2,386.1 | -1,571.7 | 2,856.7 | 1.37 | -1.28 | -11.81 |
| 9,978.0 | 1.70 | 254.10 | 9,471.2 | 2,385.5 | -1,574.7 | 2,857.8 | 0.37 | -0.21 | -9.68 |
| 10,072.0 | 1.90 | 257.00 | 9,565.2 | 2,384.8 | -1,577.5 | 2,858.9 | 0.23 | 0.21 | 3.09 |
| 10,167.0 | 1.80 | 245.60 | 9,660.1 | 2,383.8 | -1,580.4 | 2,859.7 | 0.40 | -0.11 | -12.00 |
| 10,262.0 | 2.10 | 241.70 | 9,755.1 | 2,382.4 | -1,583.3 | 2,860.1 | 0.35 | 0.32 | -4.11 |
| 10,356.0 | 2.30 | 243.00 | 9,849.0 | 2,380.7 | -1,586.5 | 2,860.6 | 0.22 | 0.21 | 1.38 |
| 10,451.0 | 2.70 | 236.50 | 9,943.9 | 2,378.6 | -1,590.1 | 2,860.9 | 0.52 | 0.42 | -6.84 |
| 10,545.0 | 2.80 | 239.60 | 10,037.8 | 2,376.2 | -1,593.9 | 2,861.1 | 0.19 | 0.11 | 3.30 |
| 10,640.0 | 3.30 | 237.30 | 10,132.7 | 2,373.6 | -1,598.2 | 2,861.3 | 0.54 | 0.53 | -2.42 |
| 10,734.0 | 3.60 | 237.20 | 10,226.5 | 2,370.5 | -1,602.9 | 2,861.5 | 0.32 | 0.32 | -0.11 |
| 10,829.0 | 3.70 | 227.90 | 10,321.3 | 2,366.8 | -1,607.7 | 2,861.2 | 0.63 | 0.11 | -9.79 |
| 10,923.0 | 3.90 | 199.20 | 10,415.1 | 2,361.8 | -1,611.0 | 2,858.9 | 2.01 | 0.21 | -30.53 |
| 11,018.0 | 3.80 | 186.30 | 10,509.9 | 2,355.6 | -1,612.4 | 2,854.6 | 0.92 | -0.11 | -13.58 |
| 11,112.0 | 3.00 | 177.10 | 10,603.7 | 2,350.0 | -1,612.7 | 2,850.1 | 1.03 | -0.85 | -9.79 |
| 11,207.0 | 2.60 | 174.20 | 10,698.6 | 2,345.4 | -1,612.3 | 2,846.1 | 0.45 | -0.42 | -3.05 |
| 11,301.0 | 2.30 | 193.50 | 10,792.5 | 2,341.5 | -1,612.5 | 2,843.0 | 0.93 | -0.32 | 20.53 |
| 11,395.0 | 2.60 | 197.20 | 10,886.5 | 2,337.6 | -1,613.6 | 2,840.4 | 0.36 | 0.32 | 3.94 |
| 11,490.0 | 2.70 | 202.30 | 10,981.4 | 2,333.5 | -1,615.1 | 2,837.9 | 0.27 | 0.11 | 5.37 |
| 11,585.0 | 2.60 | 207.80 | 11,076.3 | 2,329.5 | -1,617.0 | 2,835.6 | 0.29 | -0.11 | 5.79 |
| 11,679.0 | 2.20 | 211.10 | 11,170.2 | 2,326.0 | -1,618.9 | 2,833.9 | 0.45 | -0.43 | 3.51 |
| 11,774.0 | 2.30 | 220.40 | 11,265.1 | 2,323.0 | -1,621.1 | 2,832.7 | 0.40 | 0.11 | 9.79 |
| 11,868.0 | 2.20 | 216.30 | 11,359.0 | 2,320.1 | -1,623.3 | 2,831.6 | 0.20 | -0.11 | -4.36 |
| 11,963.0 | 1.90 | 212.80 | 11,454.0 | 2,317.4 | -1,625.3 | 2,830.4 | 0.34 | -0.32 | -3.68 |
| 12,057.0 | 2.30 | 219.00 | 11,547.9 | 2,314.6 | -1,627.3 | 2,829.2 | 0.49 | 0.43 | 6.60 |
| 12,152.0 | 2.10 | 212.00 | 11,642.8 | 2,311.6 | -1,629.4 | 2,828.0 | 0.35 | -0.21 | -7.37 |
| 12,246.0 | 1.90 | 235.70 | 11,736.8 | 2,309.3 | -1,631.6 | 2,827.3 | 0.90 | -0.21 | 25.21 |
| 12,435.0 | 2.50 | 233.30 | 11,925.6 | 2,305.1 | -1,637.5 | 2,827.2 | 0.32 | 0.32 | -1.27 |
| 12,529.0 | 3.10 | 237.90 | 12,019.5 | 2,302.5 | -1,641.3 | 2,827.2 | 0.68 | 0.64 | 4.89 |
| 12,623.0 | 3.60 | 234.80 | 12,113.4 | 2,299.4 | -1,645.9 | 2,827.3 | 0.57 | 0.53 | -3.30 |
| 12,714.0 | 3.60 | 234.80 | 12,204.2 | 2,296.1 | -1,650.6 | 2,827.2 | 0.00 | 0.00 | 0.00 |
| FED 24A-14_PBHL 1817'FSL & 1453'FEL, Sec.14 | | | | | | | | | |

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|------------------|-----------------------------|-------------------------------------|-----------------------------|
| Company: | Caerus Oil and Gas LLC | Local Co-ordinate Reference: | Well FED 24A-14-496 |
| Project: | SEC.24-T4S-R96W | TVD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Site: | FED A24 Pad Sec.24-T4S-R96W | MD Reference: | WELL @ 8155.0ft (RKB - 30') |
| Well: | FED 24A-14-496 | North Reference: | True |
| Wellbore: | Wellbore #1 | Survey Calculation Method: | Minimum Curvature |
| Design: | Wellbore #1 | Database: | US_EDM |

| Design Targets | | | | | | | | | |
|---|-----------|----------|----------|---------|----------|---------------|--------------|-----------|-------------|
| Target Name | Dip Angle | Dip Dir. | TVD | +N/-S | +E/-W | Northing | Easting | Latitude | Longitude |
| - hit/miss target | (°) | (°) | (ft) | (ft) | (ft) | (usft) | (usft) | | |
| - Shape | | | | | | | | | |
| FED 24A-14_PBHL 181: | 0.00 | 0.00 | 12,458.0 | 2,303.7 | -1,584.2 | 14,429,846.93 | 2,447,474.65 | 39.700348 | -108.130975 |
| - survey misses target center by 262.4ft at 12714.0ft MD (12204.2 TVD, 2296.1 N, -1650.6 E) | | | | | | | | | |
| - Ellipse (radii L100.0 W50.0 on 250.00 azi) | | | | | | | | | |

| | | |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|