



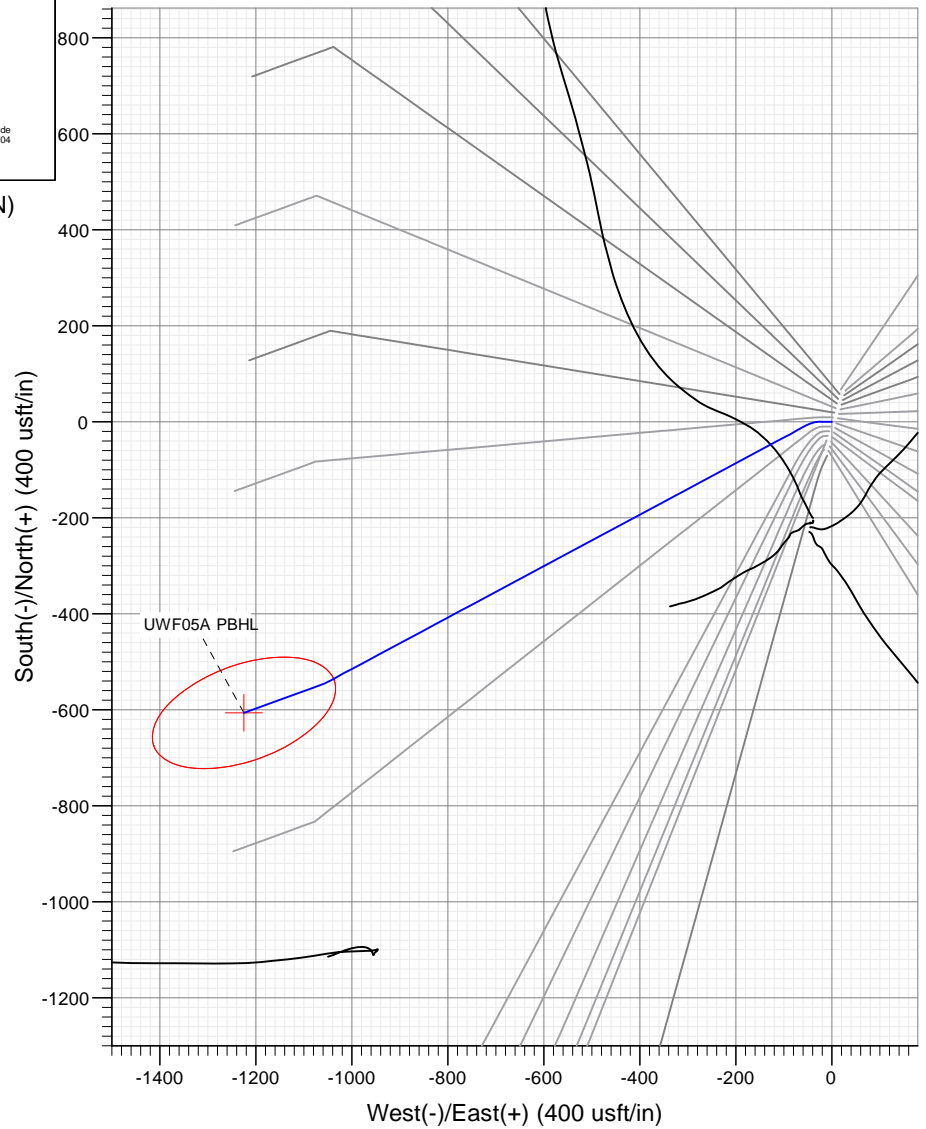
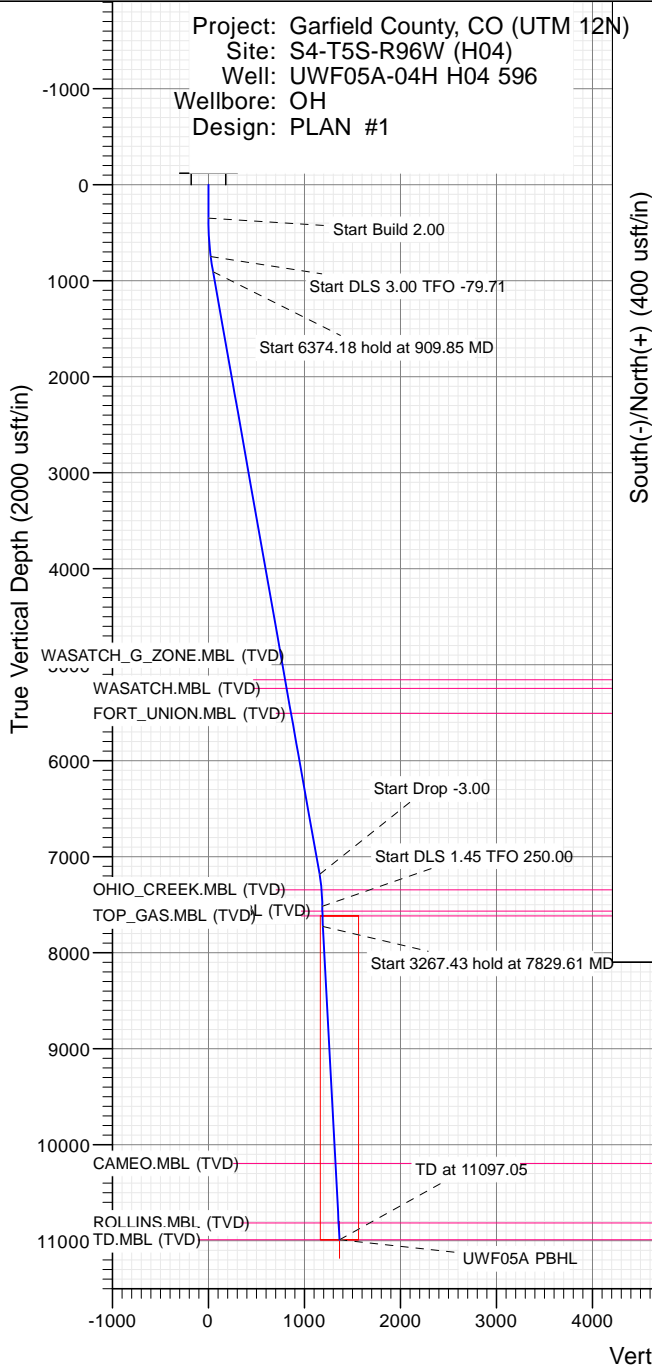
## SECTION DETAILS

| Sec | MD       | Inc   | Azi    | TVD      | +N/-S   | +E/-W    | Dleg | TFace  | VSect   | Target      |
|-----|----------|-------|--------|----------|---------|----------|------|--------|---------|-------------|
| 1   | 0.00     | 0.00  | 0.00   | 0.00     | 0.00    | 0.00     | 0.00 | 0.00   | 0.00    |             |
| 2   | 350.00   | 0.00  | 0.00   | 350.00   | 0.00    | 0.00     | 0.00 | 0.00   | 0.00    |             |
| 3   | 750.00   | 8.00  | 270.00 | 748.70   | 0.00    | -27.88   | 2.00 | 270.00 | 24.99   |             |
| 4   | 909.85   | 10.03 | 241.81 | 906.65   | -6.58   | -51.28   | 3.00 | -79.71 | 48.88   |             |
| 5   | 7284.03  | 10.03 | 241.81 | 7183.45  | -530.90 | -1029.52 | 0.00 | 0.00   | 1158.19 |             |
| 6   | 7618.28  | 0.00  | 0.00   | 7516.00  | -544.68 | -1055.23 | 3.00 | 180.00 | 1187.35 |             |
| 7   | 7829.61  | 3.06  | 250.00 | 7727.23  | -546.61 | -1060.54 | 1.45 | 250.00 | 1192.96 |             |
| 8   | 11097.05 | 3.06  | 250.00 | 10990.00 | -606.32 | -1224.56 | 0.00 | 0.00   | 1366.45 | UWF05A PBHL |

PLAN #1  
UWF05A-04H H04 596  
30 KS @ 8300.00ust  
Ground Level @ 8270.00  
NAD 1987 - Western US  
Well UWF05A-04H H04 596, True North

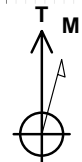
| Type | Target               | Azimuth  | Origin  | Type     | N/S       | E/W         | From |
|------|----------------------|----------|---------|----------|-----------|-------------|------|
| TD   | No Target (Freehand) | 243.66   | Slot    | 0.00     | 0.00      | 0.00        | TVD  |
| Name | UWF05A PBHL          | TVD      | +N/-S   | +E/-W    | Latitude  | Longitude   |      |
|      |                      | 10990.00 | -606.32 | -1224.56 | 39.644415 | -108.168704 |      |

Project: Garfield County, CO (UTM 12N)  
Site: S4-T5S-R96W (H04)  
Well: UWF05A-04H H04 596  
Wellbore: OH  
Design: PLAN #1



## FORMATION TOP DETAILS

| TVDPath  | MDPath   | Formation                |
|----------|----------|--------------------------|
| 5157.00  | 5226.14  | WASATCH_G_ZONE.MBL (TVD) |
| 5247.00  | 5317.54  | WASATCH.MBL (TVD)        |
| 5507.00  | 5581.57  | FORT_UNION.MBL (TVD)     |
| 7344.00  | 7446.05  | OHIO_CREEK.MBL (TVD)     |
| 7566.00  | 7668.28  | WILLIAMS_FORK.MBL (TVD)  |
| 7616.00  | 7718.29  | TOP_GAS.MBL (TVD)        |
| 10195.00 | 10300.91 | CAMEO.MBL (TVD)          |
| 10815.00 | 10921.80 | ROLLINS.MBL (TVD)        |
| 10990.00 | 11097.05 | TD.MBL (TVD)             |



Azimuths to True North  
Magnetic North: 9.72°

Magnetic Field  
Strength: 51509.4snT  
Dip Angle: 65.93°  
Date: 8/31/2017  
Model: HDGM

Vertical Section at 243.66° (2000 usft/in)

WELL DETAILS: UWF05A-04H H04 596

| +N/-S | +E/-W | Northing    | Easting    | Latitude  | Longitude   |
|-------|-------|-------------|------------|-----------|-------------|
| 0.00  | 0.00  | 14409783.60 | 2438707.70 | 39.646079 | -108.164357 |

CATHEDRAL



# Cathedral Energy Services

## Planning Report

|                  |                               |                                     |                         |
|------------------|-------------------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB   | <b>Local Co-ordinate Reference:</b> | Well UWF05A-04H H04 596 |
| <b>Company:</b>  | Caerus Oil & Gas              | <b>TVD Reference:</b>               | 30' KB @ 8300.00usft    |
| <b>Project:</b>  | Garfield County, CO (UTM 12N) | <b>MD Reference:</b>                | 30' KB @ 8300.00usft    |
| <b>Site:</b>     | S4-T5S-R96W (H04)             | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | UWF05A-04H H04 596            | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | OH                            |                                     |                         |
| <b>Design:</b>   | PLAN #1                       |                                     |                         |

|                    |  |                      |                |
|--------------------|--|----------------------|----------------|
| <b>Project</b>     | Garfield County, CO (UTM 12N)                  |                      |                |
| <b>Map System:</b> | Universal Transverse Mercator (US Survey Feet) | <b>System Datum:</b> | Mean Sea Level |
| <b>Geo Datum:</b>  | NAD 1927 - Western US                          |                      |                |
| <b>Map Zone:</b>   | Zone 12N (114 W to 108 W)                      |                      |                |

|                       |           |                   |                    |                   |             |
|-----------------------|-----------|-------------------|--------------------|-------------------|-------------|
| Site                  |           | S4-T5S-R96W (H04) |                    |                   |             |
| Site Position:        |           | Northing:         | 14,409,713.20 usft | Latitude:         | 39.645887   |
| From:                 | Map       | Easting:          | 2,438,700.39 usft  | Longitude:        | -108.164391 |
| Position Uncertainty: | 0.00 usft | Slot Radius:      | 13-3/16 "          | Grid Convergence: | 1.81 °      |

|                      |                    |           |                     |                    |               |               |
|----------------------|--------------------|-----------|---------------------|--------------------|---------------|---------------|
| Well                 | UWF05A-04H H04 596 |           |                     |                    |               |               |
| Well Position        | +N/-S              | 0.00 usft | Northing:           | 14,409,783.60 usft | Latitude:     | 39.646079     |
|                      | +E/-W              | 0.00 usft | Easting:            | 2,438,707.70 usft  | Longitude:    | -108.164357   |
| Position Uncertainty |                    | 0.00 usft | Wellhead Elevation: | usft               | Ground Level: | 8,270.00 usft |

|                  |                   |                    |                    |                  |                       |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| <b>Wellbore</b>  | OH                |                    |                    |                  |                       |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination</b> | <b>Dip Angle</b> | <b>Field Strength</b> |
|                  |                   |                    | (°)                | (°)              | (nT)                  |
|                  | HDGM              | 8/31/2017          | 9.72               | 65.93            | 51,509.40000000       |

|                          |                         |              |                      |                  |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| <b>Design</b>            | PLAN #1                 |              |                      |                  |
| <b>Audit Notes:</b>      |                         |              |                      |                  |
| <b>Version:</b>          | <b>Phase:</b>           | PLAN         | <b>Tie On Depth:</b> | 0.00             |
| <b>Vertical Section:</b> | <b>Depth From (TVD)</b> | <b>+N/-S</b> | <b>+E/-W</b>         | <b>Direction</b> |
|                          | (usft)                  | (usft)       | (usft)               | (°)              |
|                          | 0.00                    | 0.00         | 0.00                 | 243.66           |

| <b>Plan Sections</b>  |                 |             |                       |              |              |                         |                        |                       |         |             |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|------------------------|-----------------------|---------|-------------|
| 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      |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |             |
| 350.00                | 0.00            | 0.00        | 350.00                | 0.00         | 0.00         | 0.00                    | 0.00                   | 0.00                  | 0.00    |             |
| 750.00                | 8.00            | 270.00      | 748.70                | 0.00         | -27.88       | 2.00                    | 2.00                   | 0.00                  | 270.00  |             |
| 909.85                | 10.03           | 241.81      | 906.65                | -6.58        | -51.28       | 3.00                    | 1.27                   | -17.64                | -79.71  |             |
| 7,284.03              | 10.03           | 241.81      | 7,183.45              | -530.90      | -1,029.52    | 0.00                    | 0.00                   | 0.00                  | 0.00    |             |
| 7,618.28              | 0.00            | 0.00        | 7,516.00              | -544.68      | -1,055.23    | 3.00                    | -3.00                  | 0.00                  | 180.00  |             |
| 7,829.61              | 3.06            | 250.00      | 7,727.23              | -546.61      | -1,060.54    | 1.45                    | 1.45                   | -52.05                | 250.00  |             |
| 11,097.05             | 3.06            | 250.00      | 10,990.00             | -606.32      | -1,224.56    | 0.00                    | 0.00                   | 0.00                  | 0.00    | UWF05A PBHL |

# Cathedral Energy Services

## Planning Report

|                  |                               |                                     |                         |
|------------------|-------------------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB   | <b>Local Co-ordinate Reference:</b> | Well UWF05A-04H H04 596 |
| <b>Company:</b>  | Caerus Oil & Gas              | <b>TVD Reference:</b>               | 30' KB @ 8300.00usft    |
| <b>Project:</b>  | Garfield County, CO (UTM 12N) | <b>MD Reference:</b>                | 30' KB @ 8300.00usft    |
| <b>Site:</b>     | S4-T5S-R96W (H04)             | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | UWF05A-04H H04 596            | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | OH                            |                                     |                         |
| <b>Design:</b>   | PLAN #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 (°/100u) | Comments / Formations |
| 0.00                  | 0.00            | 0.00        | 0.00                  | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                |                       |
| 100.00                | 0.00            | 0.00        | 100.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                |                       |
| 200.00                | 0.00            | 0.00        | 200.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                |                       |
| 300.00                | 0.00            | 0.00        | 300.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                |                       |
| 350.00                | 0.00            | 0.00        | 350.00                | 0.00         | 0.00         | 0.00                    | 0.00                    | 0.00                |                       |
| 400.00                | 1.00            | 270.00      | 400.00                | 0.00         | -0.44        | 0.39                    | 2.00                    | 2.00                |                       |
| 500.00                | 3.00            | 270.00      | 499.93                | 0.00         | -3.93        | 3.52                    | 2.00                    | 2.00                |                       |
| 600.00                | 5.00            | 270.00      | 599.68                | 0.00         | -10.90       | 9.77                    | 2.00                    | 2.00                |                       |
| 700.00                | 7.00            | 270.00      | 699.13                | 0.00         | -21.35       | 19.14                   | 2.00                    | 2.00                |                       |
| 750.00                | 8.00            | 270.00      | 748.70                | 0.00         | -27.88       | 24.99                   | 2.00                    | 2.00                |                       |
| 800.00                | 8.40            | 259.84      | 798.19                | -0.64        | -34.95       | 31.61                   | 3.00                    | 0.80                |                       |
| 900.00                | 9.85            | 243.17      | 896.94                | -5.79        | -49.78       | 47.18                   | 3.00                    | 1.45                |                       |
| 909.85                | 10.03           | 241.81      | 906.65                | -6.58        | -51.28       | 48.88                   | 3.00                    | 1.83                |                       |
| 1,000.00              | 10.03           | 241.81      | 995.42                | -13.99       | -65.12       | 64.57                   | 0.00                    | 0.00                |                       |
| 1,100.00              | 10.03           | 241.81      | 1,093.89              | -22.22       | -80.46       | 81.97                   | 0.00                    | 0.00                |                       |
| 1,200.00              | 10.03           | 241.81      | 1,192.36              | -30.44       | -95.81       | 99.37                   | 0.00                    | 0.00                |                       |
| 1,300.00              | 10.03           | 241.81      | 1,290.84              | -38.67       | -111.16      | 116.78                  | 0.00                    | 0.00                |                       |
| 1,400.00              | 10.03           | 241.81      | 1,389.31              | -46.90       | -126.51      | 134.18                  | 0.00                    | 0.00                |                       |
| 1,500.00              | 10.03           | 241.81      | 1,487.78              | -55.12       | -141.85      | 151.58                  | 0.00                    | 0.00                |                       |
| 1,600.00              | 10.03           | 241.81      | 1,586.25              | -63.35       | -157.20      | 168.98                  | 0.00                    | 0.00                |                       |
| 1,700.00              | 10.03           | 241.81      | 1,684.72              | -71.57       | -172.55      | 186.39                  | 0.00                    | 0.00                |                       |
| 1,800.00              | 10.03           | 241.81      | 1,783.20              | -79.80       | -187.89      | 203.79                  | 0.00                    | 0.00                |                       |
| 1,900.00              | 10.03           | 241.81      | 1,881.67              | -88.02       | -203.24      | 221.19                  | 0.00                    | 0.00                |                       |
| 2,000.00              | 10.03           | 241.81      | 1,980.14              | -96.25       | -218.59      | 238.60                  | 0.00                    | 0.00                |                       |
| 2,100.00              | 10.03           | 241.81      | 2,078.61              | -104.48      | -233.93      | 256.00                  | 0.00                    | 0.00                |                       |
| 2,200.00              | 10.03           | 241.81      | 2,177.09              | -112.70      | -249.28      | 273.40                  | 0.00                    | 0.00                |                       |
| 2,300.00              | 10.03           | 241.81      | 2,275.56              | -120.93      | -264.63      | 290.81                  | 0.00                    | 0.00                |                       |
| 2,400.00              | 10.03           | 241.81      | 2,374.03              | -129.15      | -279.97      | 308.21                  | 0.00                    | 0.00                |                       |
| 2,500.00              | 10.03           | 241.81      | 2,472.50              | -137.38      | -295.32      | 325.61                  | 0.00                    | 0.00                |                       |
| 2,600.00              | 10.03           | 241.81      | 2,570.98              | -145.60      | -310.67      | 343.02                  | 0.00                    | 0.00                |                       |
| 2,700.00              | 10.03           | 241.81      | 2,669.45              | -153.83      | -326.01      | 360.42                  | 0.00                    | 0.00                |                       |
| 2,800.00              | 10.03           | 241.81      | 2,767.92              | -162.06      | -341.36      | 377.82                  | 0.00                    | 0.00                |                       |
| 2,900.00              | 10.03           | 241.81      | 2,866.39              | -170.28      | -356.71      | 395.23                  | 0.00                    | 0.00                |                       |
| 3,000.00              | 10.03           | 241.81      | 2,964.87              | -178.51      | -372.05      | 412.63                  | 0.00                    | 0.00                |                       |
| 3,100.00              | 10.03           | 241.81      | 3,063.34              | -186.73      | -387.40      | 430.03                  | 0.00                    | 0.00                |                       |
| 3,200.00              | 10.03           | 241.81      | 3,161.81              | -194.96      | -402.75      | 447.44                  | 0.00                    | 0.00                |                       |
| 3,300.00              | 10.03           | 241.81      | 3,260.28              | -203.18      | -418.09      | 464.84                  | 0.00                    | 0.00                |                       |
| 3,400.00              | 10.03           | 241.81      | 3,358.76              | -211.41      | -433.44      | 482.24                  | 0.00                    | 0.00                |                       |
| 3,500.00              | 10.03           | 241.81      | 3,457.23              | -219.64      | -448.79      | 499.65                  | 0.00                    | 0.00                |                       |
| 3,600.00              | 10.03           | 241.81      | 3,555.70              | -227.86      | -464.14      | 517.05                  | 0.00                    | 0.00                |                       |
| 3,700.00              | 10.03           | 241.81      | 3,654.17              | -236.09      | -479.48      | 534.45                  | 0.00                    | 0.00                |                       |
| 3,800.00              | 10.03           | 241.81      | 3,752.65              | -244.31      | -494.83      | 551.85                  | 0.00                    | 0.00                |                       |
| 3,900.00              | 10.03           | 241.81      | 3,851.12              | -252.54      | -510.18      | 569.26                  | 0.00                    | 0.00                |                       |
| 4,000.00              | 10.03           | 241.81      | 3,949.59              | -260.76      | -525.52      | 586.66                  | 0.00                    | 0.00                |                       |
| 4,100.00              | 10.03           | 241.81      | 4,048.06              | -268.99      | -540.87      | 604.06                  | 0.00                    | 0.00                |                       |
| 4,200.00              | 10.03           | 241.81      | 4,146.53              | -277.22      | -556.22      | 621.47                  | 0.00                    | 0.00                |                       |
| 4,300.00              | 10.03           | 241.81      | 4,245.01              | -285.44      | -571.56      | 638.87                  | 0.00                    | 0.00                |                       |
| 4,400.00              | 10.03           | 241.81      | 4,343.48              | -293.67      | -586.91      | 656.27                  | 0.00                    | 0.00                |                       |
| 4,500.00              | 10.03           | 241.81      | 4,441.95              | -301.89      | -602.26      | 673.68                  | 0.00                    | 0.00                |                       |
| 4,600.00              | 10.03           | 241.81      | 4,540.42              | -310.12      | -617.60      | 691.08                  | 0.00                    | 0.00                |                       |
| 4,700.00              | 10.03           | 241.81      | 4,638.90              | -318.34      | -632.95      | 708.48                  | 0.00                    | 0.00                |                       |
| 4,800.00              | 10.03           | 241.81      | 4,737.37              | -326.57      | -648.30      | 725.89                  | 0.00                    | 0.00                |                       |

# Cathedral Energy Services

## Planning Report

|                  |                               |                                     |                         |
|------------------|-------------------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB   | <b>Local Co-ordinate Reference:</b> | Well UWF05A-04H H04 596 |
| <b>Company:</b>  | Caerus Oil & Gas              | <b>TVD Reference:</b>               | 30' KB @ 8300.00usft    |
| <b>Project:</b>  | Garfield County, CO (UTM 12N) | <b>MD Reference:</b>                | 30' KB @ 8300.00usft    |
| <b>Site:</b>     | S4-T5S-R96W (H04)             | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | UWF05A-04H H04 596            | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | OH                            |                                     |                         |
| <b>Design:</b>   | PLAN #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 (°/100u) | Comments / Formations    |
| 4,900.00              | 10.03           | 241.81      | 4,835.84              | -334.80      | -663.64      | 743.29                  | 0.00                    | 0.00                |                          |
| 5,000.00              | 10.03           | 241.81      | 4,934.31              | -343.02      | -678.99      | 760.69                  | 0.00                    | 0.00                |                          |
| 5,100.00              | 10.03           | 241.81      | 5,032.79              | -351.25      | -694.34      | 778.10                  | 0.00                    | 0.00                |                          |
| 5,200.00              | 10.03           | 241.81      | 5,131.26              | -359.47      | -709.68      | 795.50                  | 0.00                    | 0.00                |                          |
| 5,226.14              | 10.03           | 241.81      | 5,157.00              | -361.62      | -713.70      | 800.05                  | 0.00                    | 0.00                | WASATCH_G_ZONE.MBL (TVD) |
| 5,300.00              | 10.03           | 241.81      | 5,229.73              | -367.70      | -725.03      | 812.90                  | 0.00                    | 0.00                |                          |
| 5,317.54              | 10.03           | 241.81      | 5,247.00              | -369.14      | -727.72      | 815.95                  | 0.00                    | 0.00                | WASATCH.MBL (TVD)        |
| 5,400.00              | 10.03           | 241.81      | 5,328.20              | -375.92      | -740.38      | 830.31                  | 0.00                    | 0.00                |                          |
| 5,500.00              | 10.03           | 241.81      | 5,426.68              | -384.15      | -755.72      | 847.71                  | 0.00                    | 0.00                |                          |
| 5,581.57              | 10.03           | 241.81      | 5,507.00              | -390.86      | -768.24      | 861.90                  | 0.00                    | 0.00                | FORT_UNION.MBL (TVD)     |
| 5,600.00              | 10.03           | 241.81      | 5,525.15              | -392.37      | -771.07      | 865.11                  | 0.00                    | 0.00                |                          |
| 5,700.00              | 10.03           | 241.81      | 5,623.62              | -400.60      | -786.42      | 882.52                  | 0.00                    | 0.00                |                          |
| 5,800.00              | 10.03           | 241.81      | 5,722.09              | -408.83      | -801.76      | 899.92                  | 0.00                    | 0.00                |                          |
| 5,900.00              | 10.03           | 241.81      | 5,820.57              | -417.05      | -817.11      | 917.32                  | 0.00                    | 0.00                |                          |
| 6,000.00              | 10.03           | 241.81      | 5,919.04              | -425.28      | -832.46      | 934.72                  | 0.00                    | 0.00                |                          |
| 6,100.00              | 10.03           | 241.81      | 6,017.51              | -433.50      | -847.81      | 952.13                  | 0.00                    | 0.00                |                          |
| 6,200.00              | 10.03           | 241.81      | 6,115.98              | -441.73      | -863.15      | 969.53                  | 0.00                    | 0.00                |                          |
| 6,300.00              | 10.03           | 241.81      | 6,214.46              | -449.95      | -878.50      | 986.93                  | 0.00                    | 0.00                |                          |
| 6,400.00              | 10.03           | 241.81      | 6,312.93              | -458.18      | -893.85      | 1,004.34                | 0.00                    | 0.00                |                          |
| 6,500.00              | 10.03           | 241.81      | 6,411.40              | -466.41      | -909.19      | 1,021.74                | 0.00                    | 0.00                |                          |
| 6,600.00              | 10.03           | 241.81      | 6,509.87              | -474.63      | -924.54      | 1,039.14                | 0.00                    | 0.00                |                          |
| 6,700.00              | 10.03           | 241.81      | 6,608.34              | -482.86      | -939.89      | 1,056.55                | 0.00                    | 0.00                |                          |
| 6,800.00              | 10.03           | 241.81      | 6,706.82              | -491.08      | -955.23      | 1,073.95                | 0.00                    | 0.00                |                          |
| 6,900.00              | 10.03           | 241.81      | 6,805.29              | -499.31      | -970.58      | 1,091.35                | 0.00                    | 0.00                |                          |
| 7,000.00              | 10.03           | 241.81      | 6,903.76              | -507.53      | -985.93      | 1,108.76                | 0.00                    | 0.00                |                          |
| 7,100.00              | 10.03           | 241.81      | 7,002.23              | -515.76      | -1,001.27    | 1,126.16                | 0.00                    | 0.00                |                          |
| 7,200.00              | 10.03           | 241.81      | 7,100.71              | -523.99      | -1,016.62    | 1,143.56                | 0.00                    | 0.00                |                          |
| 7,284.03              | 10.03           | 241.81      | 7,183.45              | -530.90      | -1,029.52    | 1,158.19                | 0.00                    | 0.00                |                          |
| 7,300.00              | 9.55            | 241.81      | 7,199.19              | -532.18      | -1,031.91    | 1,160.90                | 3.00                    | -3.00               |                          |
| 7,400.00              | 6.55            | 241.81      | 7,298.19              | -538.79      | -1,044.25    | 1,174.89                | 3.00                    | -3.00               |                          |
| 7,446.05              | 5.17            | 241.81      | 7,344.00              | -541.01      | -1,048.39    | 1,179.59                | 3.00                    | -3.00               | OHIO_CREEK.MBL (TVD)     |
| 7,500.00              | 3.55            | 241.81      | 7,397.79              | -542.95      | -1,052.00    | 1,183.69                | 3.00                    | -3.00               |                          |
| 7,600.00              | 0.55            | 241.81      | 7,497.72              | -544.64      | -1,055.15    | 1,187.26                | 3.00                    | -3.00               |                          |
| 7,618.28              | 0.00            | 0.00        | 7,516.00              | -544.68      | -1,055.23    | 1,187.35                | 3.00                    | -3.00               |                          |
| 7,668.28              | 0.72            | 250.00      | 7,566.00              | -544.79      | -1,055.53    | 1,187.66                | 1.45                    | 1.45                | WILLIAMS_FORK.MBL (TVD)  |
| 7,700.00              | 1.18            | 250.00      | 7,597.71              | -544.97      | -1,056.02    | 1,188.19                | 1.45                    | 1.45                |                          |
| 7,718.29              | 1.45            | 250.00      | 7,616.00              | -545.11      | -1,056.42    | 1,188.60                | 1.45                    | 1.45                | TOP_GAS.MBL (TVD)        |
| 7,800.00              | 2.63            | 250.00      | 7,697.66              | -546.11      | -1,059.15    | 1,191.50                | 1.45                    | 1.45                |                          |
| 7,829.61              | 3.06            | 250.00      | 7,727.23              | -546.61      | -1,060.54    | 1,192.96                | 1.45                    | 1.45                |                          |
| 7,900.00              | 3.06            | 250.00      | 7,797.52              | -547.90      | -1,064.07    | 1,196.70                | 0.00                    | 0.00                |                          |
| 8,000.00              | 3.06            | 250.00      | 7,897.38              | -549.72      | -1,069.09    | 1,202.00                | 0.00                    | 0.00                |                          |
| 8,100.00              | 3.06            | 250.00      | 7,997.23              | -551.55      | -1,074.11    | 1,207.31                | 0.00                    | 0.00                |                          |
| 8,200.00              | 3.06            | 250.00      | 8,097.09              | -553.38      | -1,079.13    | 1,212.62                | 0.00                    | 0.00                |                          |
| 8,300.00              | 3.06            | 250.00      | 8,196.95              | -555.21      | -1,084.15    | 1,217.93                | 0.00                    | 0.00                |                          |
| 8,400.00              | 3.06            | 250.00      | 8,296.80              | -557.03      | -1,089.17    | 1,223.24                | 0.00                    | 0.00                |                          |
| 8,500.00              | 3.06            | 250.00      | 8,396.66              | -558.86      | -1,094.19    | 1,228.55                | 0.00                    | 0.00                |                          |
| 8,600.00              | 3.06            | 250.00      | 8,496.52              | -560.69      | -1,099.21    | 1,233.86                | 0.00                    | 0.00                |                          |
| 8,700.00              | 3.06            | 250.00      | 8,596.38              | -562.52      | -1,104.23    | 1,239.17                | 0.00                    | 0.00                |                          |
| 8,800.00              | 3.06            | 250.00      | 8,696.23              | -564.34      | -1,109.25    | 1,244.48                | 0.00                    | 0.00                |                          |
| 8,900.00              | 3.06            | 250.00      | 8,796.09              | -566.17      | -1,114.27    | 1,249.79                | 0.00                    | 0.00                |                          |
| 9,000.00              | 3.06            | 250.00      | 8,895.95              | -568.00      | -1,119.29    | 1,255.10                | 0.00                    | 0.00                |                          |
| 9,100.00              | 3.06            | 250.00      | 8,995.80              | -569.83      | -1,124.31    | 1,260.41                | 0.00                    | 0.00                |                          |

# Cathedral Energy Services

## Planning Report

|                  |                               |                                     |                         |
|------------------|-------------------------------|-------------------------------------|-------------------------|
| <b>Database:</b> | USA EDM 5000 Multi Users DB   | <b>Local Co-ordinate Reference:</b> | Well UWF05A-04H H04 596 |
| <b>Company:</b>  | Caerus Oil & Gas              | <b>TVD Reference:</b>               | 30' KB @ 8300.00usft    |
| <b>Project:</b>  | Garfield County, CO (UTM 12N) | <b>MD Reference:</b>                | 30' KB @ 8300.00usft    |
| <b>Site:</b>     | S4-T5S-R96W (H04)             | <b>North Reference:</b>             | True                    |
| <b>Well:</b>     | UWF05A-04H H04 596            | <b>Survey Calculation Method:</b>   | Minimum Curvature       |
| <b>Wellbore:</b> | OH                            |                                     |                         |
| <b>Design:</b>   | PLAN #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 (°/100u) | Comments / Formations |
|-----------------------|-----------------|-------------|-----------------------|--------------|--------------|-------------------------|-------------------------|---------------------|-----------------------|
| 9,200.00              | 3.06            | 250.00      | 9,095.66              | -571.65      | -1,129.33    | 1,265.72                | 0.00                    | 0.00                |                       |
| 9,300.00              | 3.06            | 250.00      | 9,195.52              | -573.48      | -1,134.35    | 1,271.03                | 0.00                    | 0.00                |                       |
| 9,400.00              | 3.06            | 250.00      | 9,295.38              | -575.31      | -1,139.37    | 1,276.34                | 0.00                    | 0.00                |                       |
| 9,500.00              | 3.06            | 250.00      | 9,395.23              | -577.14      | -1,144.39    | 1,281.65                | 0.00                    | 0.00                |                       |
| 9,600.00              | 3.06            | 250.00      | 9,495.09              | -578.96      | -1,149.41    | 1,286.96                | 0.00                    | 0.00                |                       |
| 9,700.00              | 3.06            | 250.00      | 9,594.95              | -580.79      | -1,154.43    | 1,292.27                | 0.00                    | 0.00                |                       |
| 9,800.00              | 3.06            | 250.00      | 9,694.80              | -582.62      | -1,159.45    | 1,297.58                | 0.00                    | 0.00                |                       |
| 9,900.00              | 3.06            | 250.00      | 9,794.66              | -584.44      | -1,164.47    | 1,302.89                | 0.00                    | 0.00                |                       |
| 10,000.00             | 3.06            | 250.00      | 9,894.52              | -586.27      | -1,169.49    | 1,308.20                | 0.00                    | 0.00                |                       |
| 10,100.00             | 3.06            | 250.00      | 9,994.38              | -588.10      | -1,174.51    | 1,313.51                | 0.00                    | 0.00                |                       |
| 10,200.00             | 3.06            | 250.00      | 10,094.23             | -589.93      | -1,179.53    | 1,318.82                | 0.00                    | 0.00                |                       |
| 10,300.00             | 3.06            | 250.00      | 10,194.09             | -591.75      | -1,184.55    | 1,324.13                | 0.00                    | 0.00                |                       |
| 10,300.91             | 3.06            | 250.00      | 10,195.00             | -591.77      | -1,184.60    | 1,324.18                | 0.00                    | 0.00                | CAMEO.MBL (TVD)       |
| 10,400.00             | 3.06            | 250.00      | 10,293.95             | -593.58      | -1,189.57    | 1,329.44                | 0.00                    | 0.00                |                       |
| 10,500.00             | 3.06            | 250.00      | 10,393.81             | -595.41      | -1,194.59    | 1,334.75                | 0.00                    | 0.00                |                       |
| 10,600.00             | 3.06            | 250.00      | 10,493.66             | -597.24      | -1,199.61    | 1,340.06                | 0.00                    | 0.00                |                       |
| 10,700.00             | 3.06            | 250.00      | 10,593.52             | -599.06      | -1,204.63    | 1,345.37                | 0.00                    | 0.00                |                       |
| 10,800.00             | 3.06            | 250.00      | 10,693.38             | -600.89      | -1,209.65    | 1,350.68                | 0.00                    | 0.00                |                       |
| 10,900.00             | 3.06            | 250.00      | 10,793.23             | -602.72      | -1,214.67    | 1,355.99                | 0.00                    | 0.00                |                       |
| 10,921.80             | 3.06            | 250.00      | 10,815.00             | -603.12      | -1,215.77    | 1,357.14                | 0.00                    | 0.00                | ROLLINS.MBL (TVD)     |
| 11,000.00             | 3.06            | 250.00      | 10,893.09             | -604.55      | -1,219.69    | 1,361.30                | 0.00                    | 0.00                |                       |
| 11,097.05             | 3.06            | 250.00      | 10,990.00             | -606.32      | -1,224.56    | 1,366.45                | 0.00                    | 0.00                | TD.MBL (TVD)          |

### Targets

| Target Name                                     | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude  | Longitude   |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| UWF05A PBHL                                     | 0.00          | 0.00         | 10,990.00  | -606.32      | -1,224.56    | 14,409,138.90   | 2,437,502.90   | 39.644415 | -108.168704 |
| - hit/miss target                               |               |              |            |              |              |                 |                |           |             |
| - Shape   |               |              |            |              |              |                 |                |           |             |
| - plan hits target center                       |               |              |            |              |              |                 |                |           |             |
| - Ellipse (radii L200.00 W100.00 on 250.00 azi) |               |              |            |              |              |                 |                |           |             |

### Formations

| Measured Depth (usft) | Vertical Depth (usft) | Name                     | Lithology | Dip (°) | Dip Direction (°) |
|-----------------------|-----------------------|--------------------------|-----------|---------|-------------------|
| 5,226.14              | 5,157.00              | WASATCH_G_ZONE.MBL (TVD) |           |         |                   |
| 5,317.54              | 5,247.00              | WASATCH.MBL (TVD)        |           |         |                   |
| 5,581.57              | 5,507.00              | FORT_UNION.MBL (TVD)     |           |         |                   |
| 7,446.05              | 7,344.00              | OHIO_CREEK.MBL (TVD)     |           |         |                   |
| 7,668.28              | 7,566.00              | WILLIAMS_FORK.MBL (TVD)  |           |         |                   |
| 7,718.29              | 7,616.00              | TOP_GAS.MBL (TVD)        |           |         |                   |
| 10,300.91             | 10,195.00             | CAMEO.MBL (TVD)          |           |         |                   |
| 10,921.80             | 10,815.00             | ROLLINS.MBL (TVD)        |           |         |                   |
| 11,097.05             | 10,990.00             | TD.MBL (TVD)             |           |         |                   |