



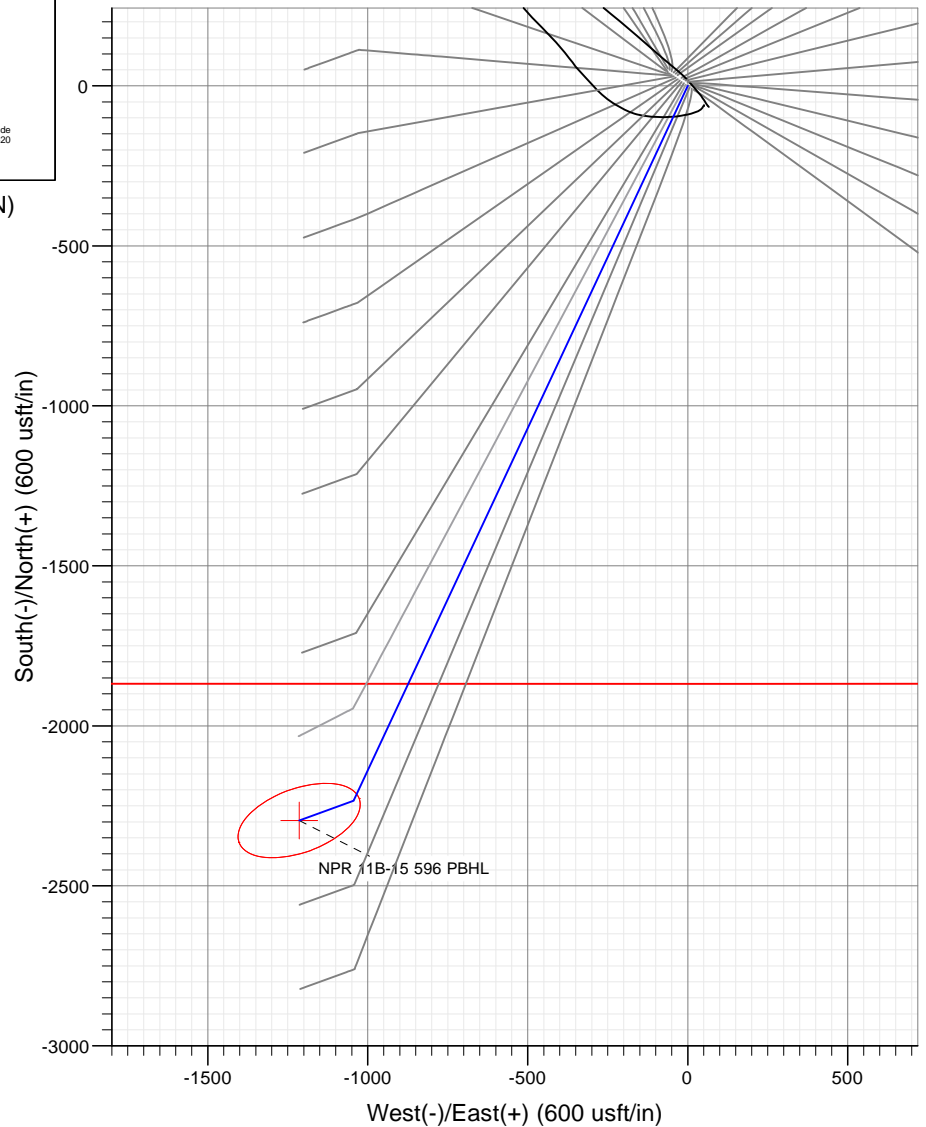
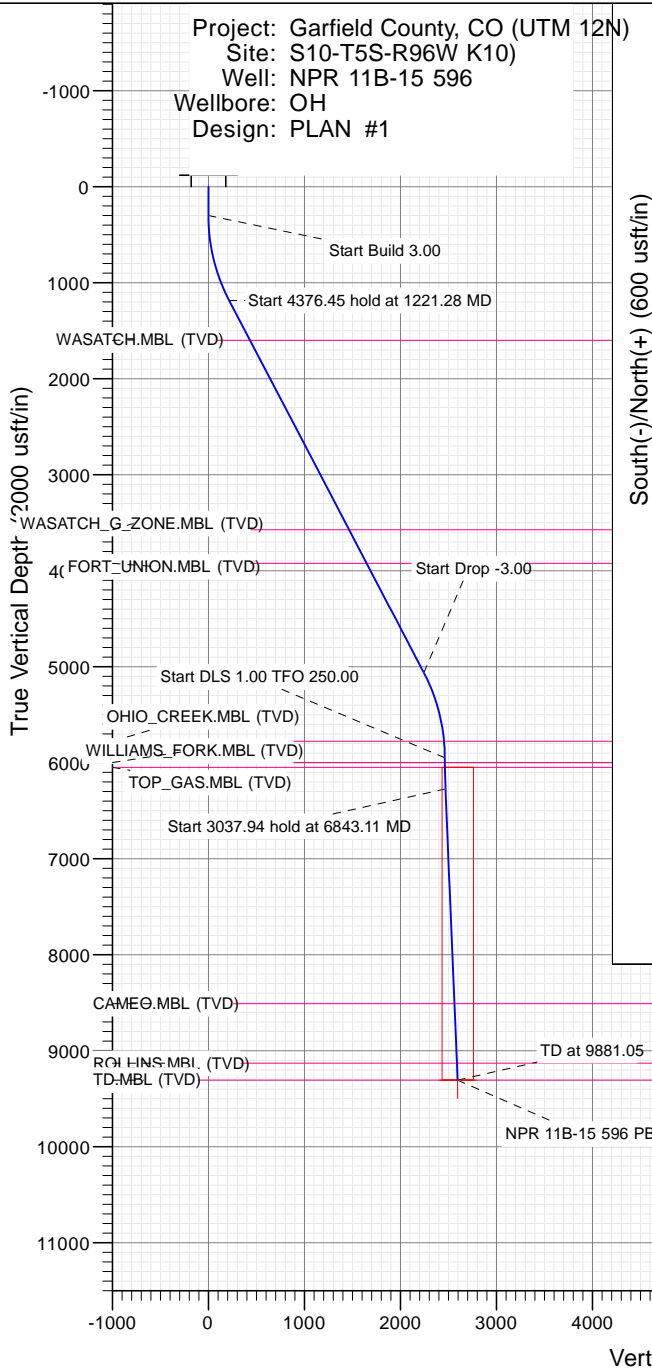
SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSec | Target |
|-----|---------|-------|--------|---------|----------|----------|------|--------|---------|---------------------|
| 1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 2 | 300.00 | 0.00 | 0.00 | 300.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 3 | 1221.28 | 27.64 | 205.05 | 1185.97 | -197.42 | -92.29 | 3.00 | 205.05 | 217.67 | |
| 4 | 5597.74 | 27.64 | 205.05 | 5063.03 | -2036.59 | -952.05 | 0.00 | 0.00 | 2245.41 | |
| 5 | 6519.02 | 0.00 | 0.00 | 5949.00 | -2234.01 | -1044.34 | 3.00 | 180.00 | 2463.07 | |
| 6 | 6843.11 | 3.24 | 250.00 | 6272.92 | -2237.14 | -1052.95 | 1.00 | 250.00 | 2469.87 | |
| 7 | 9881.05 | 3.24 | 250.00 | 9306.00 | -2295.88 | -1214.34 | 0.00 | 0.00 | 2597.25 | NPR 11B-15 596 PBHL |

PLAN #1
NPR 11B-15 596
30' KS @ 6750.00ft
Ground Level @ 6709.00
NAD 1983 - Western US
Well NPR 11B-15 596 - Slot NPR 11B-15 596, True North

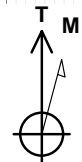
| Type | Target | Target | Target | Target | Target | Target | Target | Target | Target |
|------|----------------------|---------|-------------|----------|-----------|-------------|--------|--------|--------|
| TD | No Target (Freehand) | 207.88 | Origin Type | N/S | E/W | From TVD | 0.00 | 0.00 | 0.00 |
| Name | NPR 11B-15 596 PBHL | TVD | +N/-S | +E/-W | Latitude | Longitude | | | |
| | | 9306.00 | -2295.88 | -1214.34 | 39.621182 | -108.155920 | | | |

Project: Garfield County, CO (UTM 12N)
Site: S10-T5S-R96W K10)
Well: NPR 11B-15 596
Wellbore: OH
Design: PLAN #1



FORMATION TOP DETAILS

| TVDPath | MDPath | Formation |
|---------|---------|--------------------------|
| 1600.00 | 1688.65 | WASATCH.MBL (TVD) |
| 3573.00 | 3915.78 | WASATCH_G_ZONE.MBL (TVD) |
| 3923.00 | 4310.86 | FORT UNION.MBL (TVD) |
| 5776.00 | 6345.78 | OHIO_CREEK.MBL (TVD) |
| 5999.00 | 6569.02 | WILLIAMS_FORK.MBL (TVD) |
| 6049.00 | 6619.03 | TOP_GAS.MBL (TVD) |
| 8511.00 | 9084.78 | CAMEO.MBL (TVD) |
| 9131.00 | 9705.77 | ROLLINS.MBL (TVD) |
| 9306.00 | 9881.05 | TD.MBL (TVD) |



Azimuths to True North
Magnetic North: 9.72°

Magnetic Field
Strength: 51532.7nT
Dip Angle: 65.93°
Date: 9/12/2017
Model: HDGM

Vertical Section at 207.88° (2000 usft/in)

WELL DETAILS: NPR 11B-15 596

6709.00
+N/-S 0.00 +E/-W 0.00 Northing 14403092.20 Easting 2441497.60 Latitude 39.627483 Longitude -108.155211 NPR 11B-15 596

CATHEDRAL



Cathedral Energy Services

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|---|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well NPR 11B-15 596 - Slot NPR 11B-15 596 |
| Company: | Caerus Oil & Gas | TVD Reference: | 30' KB @ 6739.00usft |
| Project: | Garfield County, CO (UTM 12N) | MD Reference: | 30' KB @ 6739.00usft |
| Site: | S10-T5S-R96W K10) | North Reference: | True |
| Well: | NPR 11B-15 596 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | PLAN #1 | | |

| | | | |
|--------------------|--|----------------------|----------------|
| Project | Garfield County, CO (UTM 12N) | | |
| 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 | | S10-T5S-R96W K10) | | | |
| Site Position: | | Northing: | 14,403,136.70 usft | Latitude: | 39.627609 |
| From: | Map | Easting: | 2,441,445.90 usft | Longitude: | -108.155390 |
| Position Uncertainty: | 0.00 usft | Slot Radius: | 13-3/16" | Grid Convergence: | 1.82 ° |

| | | | | | | |
|----------------------|--------------------------------------|-----------|---------------------|--------------------|---------------|---------------|
| Well | NPR 11B-15 596 - Slot NPR 11B-15 596 | | | | | |
| Well Position | +N/-S | 0.00 usft | Northing: | 14,403,092.20 usft | Latitude: | 39.627483 |
| | +E/-W | 0.00 usft | Easting: | 2,441,497.60 usft | Longitude: | -108.155211 |
| Position Uncertainty | | 0.00 usft | Wellhead Elevation: | usft | Ground Level: | 6,709.00 usft |

| | | | | | |
|------------------|-------------------|--------------------|--------------------|------------------|-----------------------|
| Wellbore | OH | | | | |
| Magnetics | Model Name | Sample Date | Declination | Dip Angle | Field Strength |
| | | | (°) | (°) | (nT) |
| | HDGM | 9/12/2017 | 9.72 | 65.93 | 51,532.70000000 |

| | | | | |
|--------------------------|-------------------------|--------------|----------------------|------------------|
| Design | PLAN #1 | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PLAN | Tie On Depth: | 0.00 |
| Vertical Section: | Depth From (TVD) | +N/-S | +E/-W | Direction |
| | (usft) | (usft) | (usft) | (°) |
| | 0.00 | 0.00 | 0.00 | 207.88 |

| | | | | | | | | | | |
|-----------------------|--------------------|----------------|-----------------------|--------------|--------------|--------------------|-------------------|------------------|------------|--------------------|
| Plan Sections | | | | | | | | | | |
| Measured Depth | Inclination | Azimuth | Vertical Depth | +N/-S | +E/-W | Dogleg Rate | Build Rate | Turn Rate | TFO | Target |
| (usft) | (°) | (°) | (usft) | (usft) | (usft) | (°/100usft) | (°/100usft) | (°/100usft) | (°) | |
| 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 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 | 0.00 | |
| 1,221.28 | 27.64 | 205.05 | 1,185.97 | -197.42 | -92.29 | 3.00 | 3.00 | 0.00 | 205.05 | |
| 5,597.74 | 27.64 | 205.05 | 5,063.03 | -2,036.59 | -952.05 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,519.02 | 0.00 | 0.00 | 5,949.00 | -2,234.01 | -1,044.34 | 3.00 | -3.00 | 0.00 | 180.00 | |
| 6,843.11 | 3.24 | 250.00 | 6,272.92 | -2,237.14 | -1,052.95 | 1.00 | 1.00 | -33.94 | 250.00 | |
| 9,881.05 | 3.24 | 250.00 | 9,306.00 | -2,295.88 | -1,214.34 | 0.00 | 0.00 | 0.00 | 0.00 | NPR 11B-15 596 PB- |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|---|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well NPR 11B-15 596 - Slot NPR 11B-15 596 |
| Company: | Caerus Oil & Gas | TVD Reference: | 30' KB @ 6739.00usft |
| Project: | Garfield County, CO (UTM 12N) | MD Reference: | 30' KB @ 6739.00usft |
| Site: | S10-T5S-R96W K10) | North Reference: | True |
| Well: | NPR 11B-15 596 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | 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 | |
| 400.00 | 3.00 | 205.05 | 399.95 | -2.37 | -1.11 | 2.61 | 3.00 | 3.00 | |
| 500.00 | 6.00 | 205.05 | 499.63 | -9.48 | -4.43 | 10.45 | 3.00 | 3.00 | |
| 600.00 | 9.00 | 205.05 | 598.77 | -21.30 | -9.96 | 23.49 | 3.00 | 3.00 | |
| 700.00 | 12.00 | 205.05 | 697.08 | -37.81 | -17.67 | 41.68 | 3.00 | 3.00 | |
| 800.00 | 15.00 | 205.05 | 794.31 | -58.95 | -27.56 | 65.00 | 3.00 | 3.00 | |
| 900.00 | 18.00 | 205.05 | 890.18 | -84.68 | -39.59 | 93.36 | 3.00 | 3.00 | |
| 1,000.00 | 21.00 | 205.05 | 984.43 | -114.92 | -53.72 | 126.70 | 3.00 | 3.00 | |
| 1,100.00 | 24.00 | 205.05 | 1,076.81 | -149.58 | -69.92 | 164.92 | 3.00 | 3.00 | |
| 1,200.00 | 27.00 | 205.05 | 1,167.06 | -188.57 | -88.15 | 207.91 | 3.00 | 3.00 | |
| 1,221.28 | 27.64 | 205.05 | 1,185.97 | -197.42 | -92.29 | 217.67 | 3.00 | 3.00 | |
| 1,300.00 | 27.64 | 205.05 | 1,255.70 | -230.50 | -107.75 | 254.14 | 0.00 | 0.00 | |
| 1,400.00 | 27.64 | 205.05 | 1,344.29 | -272.53 | -127.40 | 300.47 | 0.00 | 0.00 | |
| 1,500.00 | 27.64 | 205.05 | 1,432.88 | -314.55 | -147.04 | 346.80 | 0.00 | 0.00 | |
| 1,600.00 | 27.64 | 205.05 | 1,521.47 | -356.58 | -166.69 | 393.14 | 0.00 | 0.00 | |
| 1,688.65 | 27.64 | 205.05 | 1,600.00 | -393.83 | -184.10 | 434.21 | 0.00 | 0.00 | WASATCH.MBL (TVD) |
| 1,700.00 | 27.64 | 205.05 | 1,610.06 | -398.60 | -186.33 | 439.47 | 0.00 | 0.00 | |
| 1,800.00 | 27.64 | 205.05 | 1,698.65 | -440.62 | -205.98 | 485.80 | 0.00 | 0.00 | |
| 1,900.00 | 27.64 | 205.05 | 1,787.24 | -482.65 | -225.62 | 532.14 | 0.00 | 0.00 | |
| 2,000.00 | 27.64 | 205.05 | 1,875.83 | -524.67 | -245.27 | 578.47 | 0.00 | 0.00 | |
| 2,100.00 | 27.64 | 205.05 | 1,964.42 | -566.70 | -264.92 | 624.80 | 0.00 | 0.00 | |
| 2,200.00 | 27.64 | 205.05 | 2,053.00 | -608.72 | -284.56 | 671.13 | 0.00 | 0.00 | |
| 2,300.00 | 27.64 | 205.05 | 2,141.59 | -650.74 | -304.21 | 717.47 | 0.00 | 0.00 | |
| 2,400.00 | 27.64 | 205.05 | 2,230.18 | -692.77 | -323.85 | 763.80 | 0.00 | 0.00 | |
| 2,500.00 | 27.64 | 205.05 | 2,318.77 | -734.79 | -343.50 | 810.13 | 0.00 | 0.00 | |
| 2,600.00 | 27.64 | 205.05 | 2,407.36 | -776.82 | -363.14 | 856.47 | 0.00 | 0.00 | |
| 2,700.00 | 27.64 | 205.05 | 2,495.95 | -818.84 | -382.79 | 902.80 | 0.00 | 0.00 | |
| 2,800.00 | 27.64 | 205.05 | 2,584.54 | -860.86 | -402.43 | 949.13 | 0.00 | 0.00 | |
| 2,900.00 | 27.64 | 205.05 | 2,673.13 | -902.89 | -422.08 | 995.46 | 0.00 | 0.00 | |
| 3,000.00 | 27.64 | 205.05 | 2,761.72 | -944.91 | -441.72 | 1,041.80 | 0.00 | 0.00 | |
| 3,100.00 | 27.64 | 205.05 | 2,850.31 | -986.94 | -461.37 | 1,088.13 | 0.00 | 0.00 | |
| 3,200.00 | 27.64 | 205.05 | 2,938.90 | -1,028.96 | -481.01 | 1,134.46 | 0.00 | 0.00 | |
| 3,300.00 | 27.64 | 205.05 | 3,027.49 | -1,070.98 | -500.66 | 1,180.80 | 0.00 | 0.00 | |
| 3,400.00 | 27.64 | 205.05 | 3,116.08 | -1,113.01 | -520.30 | 1,227.13 | 0.00 | 0.00 | |
| 3,500.00 | 27.64 | 205.05 | 3,204.66 | -1,155.03 | -539.95 | 1,273.46 | 0.00 | 0.00 | |
| 3,600.00 | 27.64 | 205.05 | 3,293.25 | -1,197.06 | -559.59 | 1,319.80 | 0.00 | 0.00 | |
| 3,700.00 | 27.64 | 205.05 | 3,381.84 | -1,239.08 | -579.24 | 1,366.13 | 0.00 | 0.00 | |
| 3,800.00 | 27.64 | 205.05 | 3,470.43 | -1,281.10 | -598.88 | 1,412.46 | 0.00 | 0.00 | |
| 3,900.00 | 27.64 | 205.05 | 3,559.02 | -1,323.13 | -618.53 | 1,458.79 | 0.00 | 0.00 | |
| 3,915.78 | 27.64 | 205.05 | 3,573.00 | -1,329.76 | -621.63 | 1,466.11 | 0.00 | 0.00 | WASATCH_G_ZONE.MBL (TVD) |
| 4,000.00 | 27.64 | 205.05 | 3,647.61 | -1,365.15 | -638.17 | 1,505.13 | 0.00 | 0.00 | |
| 4,100.00 | 27.64 | 205.05 | 3,736.20 | -1,407.18 | -657.82 | 1,551.46 | 0.00 | 0.00 | |
| 4,200.00 | 27.64 | 205.05 | 3,824.79 | -1,449.20 | -677.46 | 1,597.79 | 0.00 | 0.00 | |
| 4,300.00 | 27.64 | 205.05 | 3,913.38 | -1,491.23 | -697.11 | 1,644.13 | 0.00 | 0.00 | |
| 4,310.86 | 27.64 | 205.05 | 3,923.00 | -1,495.79 | -699.24 | 1,649.16 | 0.00 | 0.00 | FORT_UNION.MBL (TVD) |
| 4,400.00 | 27.64 | 205.05 | 4,001.97 | -1,533.25 | -716.75 | 1,690.46 | 0.00 | 0.00 | |
| 4,500.00 | 27.64 | 205.05 | 4,090.56 | -1,575.27 | -736.40 | 1,736.79 | 0.00 | 0.00 | |
| 4,600.00 | 27.64 | 205.05 | 4,179.15 | -1,617.30 | -756.04 | 1,783.12 | 0.00 | 0.00 | |
| 4,700.00 | 27.64 | 205.05 | 4,267.73 | -1,659.32 | -775.69 | 1,829.46 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|---|
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| Company: | Caerus Oil & Gas | TVD Reference: | 30' KB @ 6739.00usft |
| Project: | Garfield County, CO (UTM 12N) | MD Reference: | 30' KB @ 6739.00usft |
| Site: | S10-T5S-R96W K10) | North Reference: | True |
| Well: | NPR 11B-15 596 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | 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 |
| 4,800.00 | 27.64 | 205.05 | 4,356.32 | -1,701.35 | -795.33 | 1,875.79 | 0.00 | 0.00 | |
| 4,900.00 | 27.64 | 205.05 | 4,444.91 | -1,743.37 | -814.98 | 1,922.12 | 0.00 | 0.00 | |
| 5,000.00 | 27.64 | 205.05 | 4,533.50 | -1,785.39 | -834.62 | 1,968.46 | 0.00 | 0.00 | |
| 5,100.00 | 27.64 | 205.05 | 4,622.09 | -1,827.42 | -854.27 | 2,014.79 | 0.00 | 0.00 | |
| 5,200.00 | 27.64 | 205.05 | 4,710.68 | -1,869.44 | -873.91 | 2,061.12 | 0.00 | 0.00 | |
| 5,300.00 | 27.64 | 205.05 | 4,799.27 | -1,911.47 | -893.56 | 2,107.46 | 0.00 | 0.00 | |
| 5,400.00 | 27.64 | 205.05 | 4,887.86 | -1,953.49 | -913.20 | 2,153.79 | 0.00 | 0.00 | |
| 5,500.00 | 27.64 | 205.05 | 4,976.45 | -1,995.51 | -932.85 | 2,200.12 | 0.00 | 0.00 | |
| 5,597.74 | 27.64 | 205.05 | 5,063.03 | -2,036.59 | -952.05 | 2,245.41 | 0.00 | 0.00 | |
| 5,600.00 | 27.57 | 205.05 | 5,065.04 | -2,037.54 | -952.49 | 2,246.45 | 3.00 | -3.00 | |
| 5,700.00 | 24.57 | 205.05 | 5,154.85 | -2,077.34 | -971.10 | 2,290.34 | 3.00 | -3.00 | |
| 5,800.00 | 21.57 | 205.05 | 5,246.85 | -2,112.84 | -987.70 | 2,329.48 | 3.00 | -3.00 | |
| 5,900.00 | 18.57 | 205.05 | 5,340.76 | -2,143.92 | -1,002.23 | 2,363.75 | 3.00 | -3.00 | |
| 6,000.00 | 15.57 | 205.05 | 5,436.35 | -2,170.51 | -1,014.66 | 2,393.07 | 3.00 | -3.00 | |
| 6,100.00 | 12.57 | 205.05 | 5,533.33 | -2,192.54 | -1,024.95 | 2,417.34 | 3.00 | -3.00 | |
| 6,200.00 | 9.57 | 205.05 | 5,631.46 | -2,209.93 | -1,033.08 | 2,436.52 | 3.00 | -3.00 | |
| 6,300.00 | 6.57 | 205.05 | 5,730.46 | -2,222.65 | -1,039.03 | 2,450.54 | 3.00 | -3.00 | |
| 6,345.78 | 5.20 | 205.05 | 5,776.00 | -2,226.90 | -1,041.01 | 2,455.23 | 3.00 | -3.00 | OHIO_CREEK.MBL (TVD) |
| 6,400.00 | 3.57 | 205.05 | 5,830.06 | -2,230.65 | -1,042.77 | 2,459.37 | 3.00 | -3.00 | |
| 6,500.00 | 0.57 | 205.05 | 5,929.98 | -2,233.92 | -1,044.30 | 2,462.98 | 3.00 | -3.00 | |
| 6,519.02 | 0.00 | 0.00 | 5,949.00 | -2,234.01 | -1,044.34 | 2,463.07 | 3.00 | -3.00 | |
| 6,569.02 | 0.50 | 250.00 | 5,999.00 | -2,234.08 | -1,044.55 | 2,463.23 | 1.00 | 1.00 | WILLIAMS_FORK.MBL (TVD) |
| 6,600.00 | 0.81 | 250.00 | 6,029.98 | -2,234.21 | -1,044.88 | 2,463.50 | 1.00 | 1.00 | |
| 6,619.03 | 1.00 | 250.00 | 6,049.00 | -2,234.31 | -1,045.16 | 2,463.72 | 1.00 | 1.00 | TOP_GAS.MBL (TVD) |
| 6,700.00 | 1.81 | 250.00 | 6,129.95 | -2,234.99 | -1,047.03 | 2,465.19 | 1.00 | 1.00 | |
| 6,800.00 | 2.81 | 250.00 | 6,229.87 | -2,236.37 | -1,050.81 | 2,468.18 | 1.00 | 1.00 | |
| 6,843.11 | 3.24 | 250.00 | 6,272.92 | -2,237.14 | -1,052.95 | 2,469.87 | 1.00 | 1.00 | |
| 6,900.00 | 3.24 | 250.00 | 6,329.72 | -2,238.24 | -1,055.97 | 2,472.25 | 0.00 | 0.00 | |
| 7,000.00 | 3.24 | 250.00 | 6,429.56 | -2,240.18 | -1,061.29 | 2,476.45 | 0.00 | 0.00 | |
| 7,100.00 | 3.24 | 250.00 | 6,529.40 | -2,242.11 | -1,066.60 | 2,480.64 | 0.00 | 0.00 | |
| 7,200.00 | 3.24 | 250.00 | 6,629.24 | -2,244.04 | -1,071.91 | 2,484.83 | 0.00 | 0.00 | |
| 7,300.00 | 3.24 | 250.00 | 6,729.08 | -2,245.98 | -1,077.22 | 2,489.03 | 0.00 | 0.00 | |
| 7,400.00 | 3.24 | 250.00 | 6,828.92 | -2,247.91 | -1,082.54 | 2,493.22 | 0.00 | 0.00 | |
| 7,500.00 | 3.24 | 250.00 | 6,928.76 | -2,249.85 | -1,087.85 | 2,497.41 | 0.00 | 0.00 | |
| 7,600.00 | 3.24 | 250.00 | 7,028.60 | -2,251.78 | -1,093.16 | 2,501.60 | 0.00 | 0.00 | |
| 7,700.00 | 3.24 | 250.00 | 7,128.44 | -2,253.71 | -1,098.47 | 2,505.80 | 0.00 | 0.00 | |
| 7,800.00 | 3.24 | 250.00 | 7,228.28 | -2,255.65 | -1,103.79 | 2,509.99 | 0.00 | 0.00 | |
| 7,900.00 | 3.24 | 250.00 | 7,328.12 | -2,257.58 | -1,109.10 | 2,514.18 | 0.00 | 0.00 | |
| 8,000.00 | 3.24 | 250.00 | 7,427.96 | -2,259.51 | -1,114.41 | 2,518.38 | 0.00 | 0.00 | |
| 8,100.00 | 3.24 | 250.00 | 7,527.80 | -2,261.45 | -1,119.72 | 2,522.57 | 0.00 | 0.00 | |
| 8,200.00 | 3.24 | 250.00 | 7,627.64 | -2,263.38 | -1,125.04 | 2,526.76 | 0.00 | 0.00 | |
| 8,300.00 | 3.24 | 250.00 | 7,727.48 | -2,265.31 | -1,130.35 | 2,530.96 | 0.00 | 0.00 | |
| 8,400.00 | 3.24 | 250.00 | 7,827.32 | -2,267.25 | -1,135.66 | 2,535.15 | 0.00 | 0.00 | |
| 8,500.00 | 3.24 | 250.00 | 7,927.16 | -2,269.18 | -1,140.97 | 2,539.34 | 0.00 | 0.00 | |
| 8,600.00 | 3.24 | 250.00 | 8,027.00 | -2,271.11 | -1,146.29 | 2,543.53 | 0.00 | 0.00 | |
| 8,700.00 | 3.24 | 250.00 | 8,126.84 | -2,273.05 | -1,151.60 | 2,547.73 | 0.00 | 0.00 | |
| 8,800.00 | 3.24 | 250.00 | 8,226.68 | -2,274.98 | -1,156.91 | 2,551.92 | 0.00 | 0.00 | |
| 8,900.00 | 3.24 | 250.00 | 8,326.52 | -2,276.91 | -1,162.22 | 2,556.11 | 0.00 | 0.00 | |
| 9,000.00 | 3.24 | 250.00 | 8,426.36 | -2,278.85 | -1,167.54 | 2,560.31 | 0.00 | 0.00 | |
| 9,084.78 | 3.24 | 250.00 | 8,511.00 | -2,280.49 | -1,172.04 | 2,563.86 | 0.00 | 0.00 | CAMEO.MBL (TVD) |
| 9,100.00 | 3.24 | 250.00 | 8,526.20 | -2,280.78 | -1,172.85 | 2,564.50 | 0.00 | 0.00 | |
| 9,200.00 | 3.24 | 250.00 | 8,626.04 | -2,282.71 | -1,178.16 | 2,568.69 | 0.00 | 0.00 | |

Cathedral Energy Services

Planning Report

| | | | |
|------------------|-------------------------------|-------------------------------------|---|
| Database: | USA EDM 5000 Multi Users DB | Local Co-ordinate Reference: | Well NPR 11B-15 596 - Slot NPR 11B-15 596 |
| Company: | Caerus Oil & Gas | TVD Reference: | 30' KB @ 6739.00usft |
| Project: | Garfield County, CO (UTM 12N) | MD Reference: | 30' KB @ 6739.00usft |
| Site: | S10-T5S-R96W K10) | North Reference: | True |
| Well: | NPR 11B-15 596 | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | OH | | |
| Design: | 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 |
| 9,300.00 | 3.24 | 250.00 | 8,725.88 | -2,284.65 | -1,183.47 | 2,572.89 | 0.00 | 0.00 | |
| 9,400.00 | 3.24 | 250.00 | 8,825.72 | -2,286.58 | -1,188.79 | 2,577.08 | 0.00 | 0.00 | |
| 9,500.00 | 3.24 | 250.00 | 8,925.56 | -2,288.52 | -1,194.10 | 2,581.27 | 0.00 | 0.00 | |
| 9,600.00 | 3.24 | 250.00 | 9,025.40 | -2,290.45 | -1,199.41 | 2,585.46 | 0.00 | 0.00 | |
| 9,700.00 | 3.24 | 250.00 | 9,125.24 | -2,292.38 | -1,204.72 | 2,589.66 | 0.00 | 0.00 | |
| 9,705.77 | 3.24 | 250.00 | 9,131.00 | -2,292.49 | -1,205.03 | 2,589.90 | 0.00 | 0.00 | ROLLINS.MBL (TVD) |
| 9,800.00 | 3.24 | 250.00 | 9,225.08 | -2,294.32 | -1,210.04 | 2,593.85 | 0.00 | 0.00 | |
| 9,881.05 | 3.24 | 250.00 | 9,306.00 | -2,295.88 | -1,214.34 | 2,597.25 | 0.00 | 0.00 | TD.MBL (TVD) |

| Targets | | | | | | | | | |
|---|---------------|--------------|------------|--------------|--------------|-----------------|----------------|-----------|-------------|
| Target Name | | | | | | | | | |
| - hit/miss target | Dip Angle (°) | Dip Dir. (°) | TVD (usft) | +N/-S (usft) | +E/-W (usft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| - Shape | | | | | | | | | |
| NPR 11B-15 596 PBHL | 0.00 | 0.00 | 9,306.00 | -2,295.88 | -1,214.34 | 14,400,759.00 | 2,440,356.60 | 39.621182 | -108.159520 |
| - 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 (°) | |
| 1,688.65 | 1,600.00 | WASATCH.MBL (TVD) | | | | |
| 3,915.78 | 3,573.00 | WASATCH_G_ZONE.MBL (TVD) | | | | |
| 4,310.86 | 3,923.00 | FORT_UNION.MBL (TVD) | | | | |
| 6,345.78 | 5,776.00 | OHIO_CREEK.MBL (TVD) | | | | |
| 6,569.02 | 5,999.00 | WILLIAMS_FORK.MBL (TVD) | | | | |
| 6,619.03 | 6,049.00 | TOP_GAS.MBL (TVD) | | | | |
| 9,084.78 | 8,511.00 | CAMEO.MBL (TVD) | | | | |
| 9,705.77 | 9,131.00 | ROLLINS.MBL (TVD) | | | | |
| 9,881.05 | 9,306.00 | TD.MBL (TVD) | | | | |