

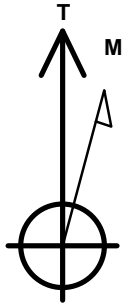
Caerus Oil and Gas LLC

Well Name: **Riggs 35-761-0561XAH**

Surface Location: Riggs OP 35-761 Pad Sec.35-T7N-R61W
 North American Datum 1983 , US State Plane 1983, Colorado Northern Zone
 Ground Elevation: 4769.0
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 1436867.03 3369053.86 40.525017 -104.172403
 RKB - 30' WELL @ 4799.0ft (RKB - 30')

WELLBORE TARGET DETAILS

| Name | TVD | +N/-S | +E/-W | Shape |
|-------------------------------|--------|----------|--------|-------|
| SHL 250'FSL, 1528'FEL, SEC.35 | 1.0 | 0.0 | 0.0 | Point |
| BHL 460'FSL, 2244'FEL, SEC.11 | 6164.0 | -10286.5 | -606.3 | Point |
| LPL 460'FNL, 2244'FEL, SEC.2 | 6258.0 | -712.6 | -708.1 | Point |



Azimuths to True North
 Magnetic North: 7.83°

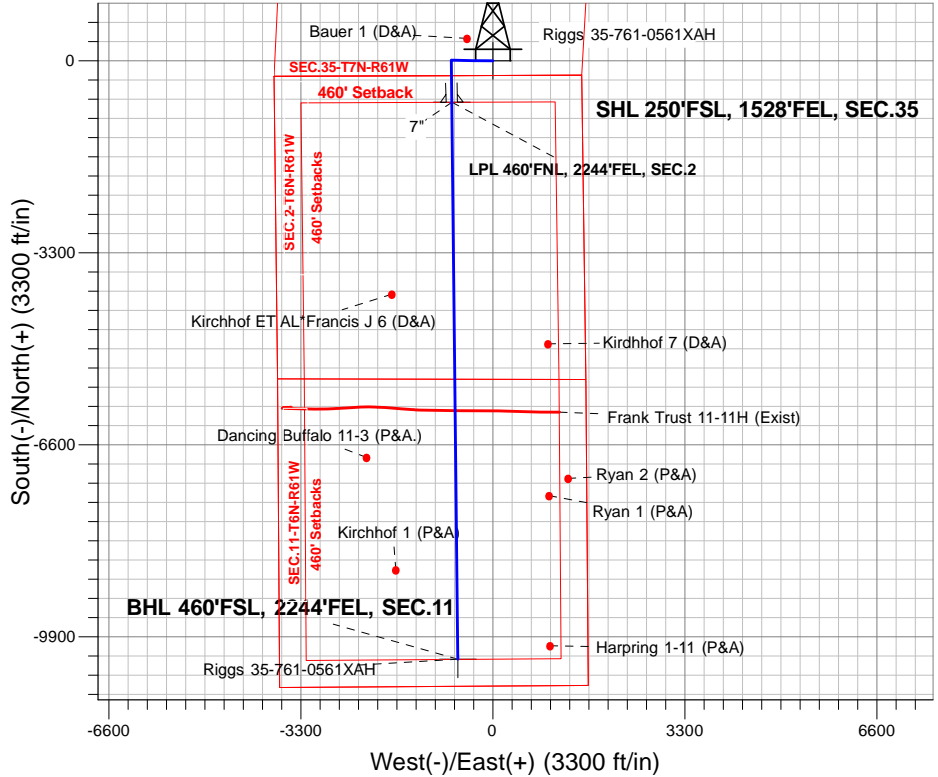
Magnetic Field
 Strength: 52698.5snT
 Dip Angle: 67.06°
 Date: 9/29/2016
 Model: IGRF2010

Riggs OP 35-761 Pad Sec.35-T7N-R61W
 Riggs 35-761-0561XAH
 Plan #1 (9-29-16)
 10:44, October 04 2016

ANNOTATIONS

| TVD | MD | Annotation |
|--------|---------|--------------------------------|
| 600.0 | 600.0 | KOP - Start Build 1.50 |
| 4923.0 | 4978.2 | Start Drop -2.00 |
| 5542.0 | 5599.4 | Start Build 8.00 |
| 6258.0 | 6731.2 | Start DLS 0.50 TFO 17.19 |
| 6258.0 | 6731.7 | Start 9574.4 hold at 6731.7 MD |
| 6164.0 | 16306.1 | TD at 16306.1 |

South(-)/North(+) (3300 ft/in)

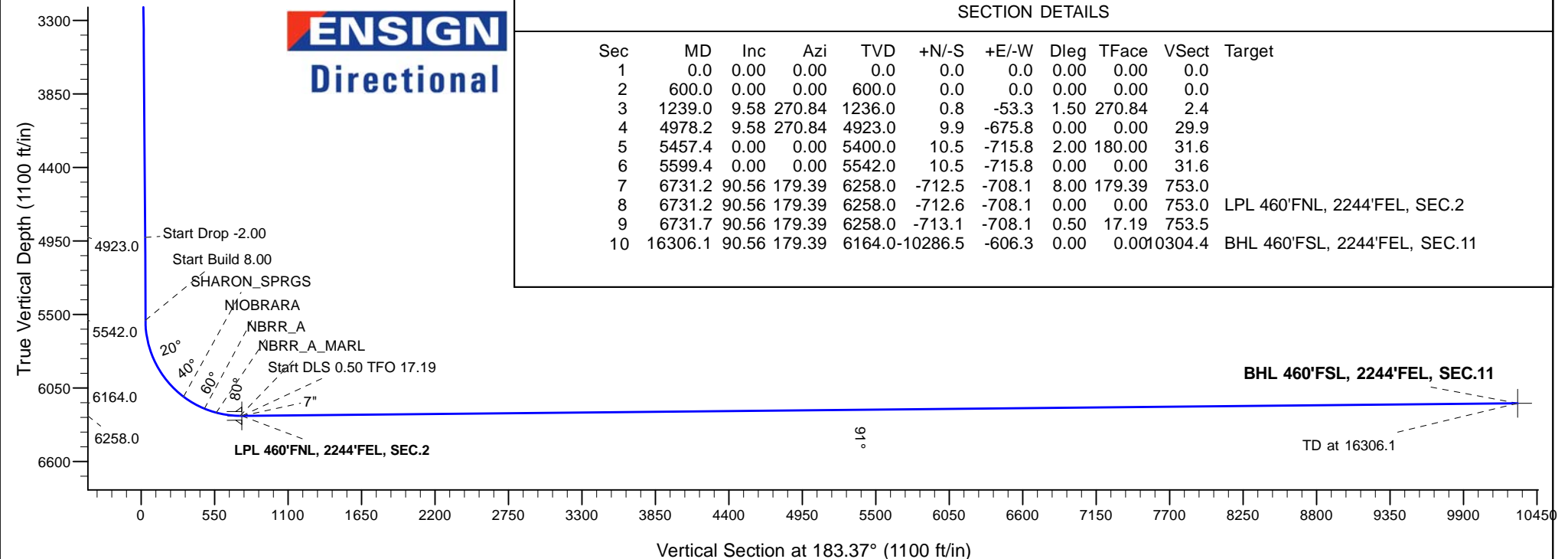


West(-)/East(+) (3300 ft/in)

SECTION DETAILS

| Sec | MD | Inc | Azi | TVD | +N/-S | +E/-W | Dleg | TFace | VSect | Target |
|-----|---------|-------|--------|--------|----------|--------|------|--------|---------|-------------------------------|
| 1 | 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 2 | 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.0 | |
| 3 | 1239.0 | 9.58 | 270.84 | 1236.0 | 0.8 | -53.3 | 1.50 | 270.84 | 2.4 | |
| 4 | 4978.2 | 9.58 | 270.84 | 4923.0 | 9.9 | -675.8 | 0.00 | 0.00 | 29.9 | |
| 5 | 5457.4 | 0.00 | 0.00 | 5400.0 | 10.5 | -715.8 | 2.00 | 180.00 | 31.6 | |
| 6 | 5599.4 | 0.00 | 0.00 | 5542.0 | 10.5 | -715.8 | 0.00 | 0.00 | 31.6 | |
| 7 | 6731.2 | 90.56 | 179.39 | 6258.0 | -712.5 | -708.1 | 8.00 | 179.39 | 753.0 | |
| 8 | 6731.2 | 90.56 | 179.39 | 6258.0 | -712.6 | -708.1 | 0.00 | 0.00 | 753.0 | LPL 460'FNL, 2244'FEL, SEC.2 |
| 9 | 6731.7 | 90.56 | 179.39 | 6258.0 | -713.1 | -708.1 | 0.50 | 17.19 | 753.5 | |
| 10 | 16306.1 | 90.56 | 179.39 | 6164.0 | -10286.5 | -606.3 | 0.00 | 0.00 | 10304.4 | BHL 460'FSL, 2244'FEL, SEC.11 |

ENSIGN
 Directional





Caerus Oil and Gas LLC

SEC.35-T7N-R61W

Riggs OP 35-761 Pad Sec.35-T7N-R61W

Riggs 35-761-0561XAH

Wellbore #1

Plan: Plan #1 (9-29-16)

Standard Planning Report

04 October, 2016

| | | | |
|------------------|-------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Riggs 35-761-0561XAH |
| Company: | Caerus Oil and Gas LLC | TVD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Project: | SEC.35-T7N-R61W | MD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Site: | Riggs OP 35-761 Pad Sec.35-T7N-R61W | North Reference: | True |
| Well: | Riggs 35-761-0561XAH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-29-16) | | |

| | | | |
|--------------------|----------------------------------|----------------------|-----------------------------|
| Project | SEC.35-T7N-R61W, Weld County, CO | | |
| Map System: | US State Plane 1983 | System Datum: | Mean Sea Level |
| Geo Datum: | North American Datum 1983 | | Using Well Reference Point |
| Map Zone: | Colorado Northern Zone | | Using geodetic scale factor |

| | | | | |
|------------------------------|-------------------------------------|---------------------|-------------------|---------------------------------|
| Site | Riggs OP 35-761 Pad Sec.35-T7N-R61W | | | |
| Site Position: | | Northing: | 1,436,866.61 usft | Latitude: 40.525017 |
| From: | Lat/Long | Easting: | 3,369,023.84 usft | Longitude: -104.172511 |
| Position Uncertainty: | 0.0 ft | Slot Radius: | 13-3/16 " | Grid Convergence: 0.86 ° |

| | | | | |
|-----------------------------|----------------------|---------|----------------------------|-------------------|
| Well | Riggs 35-761-0561XAH | | | |
| Well Position | +N/-S | 0.0 ft | Northing: | 1,436,867.03 usft |
| | +E/-W | 30.0 ft | Easting: | 3,369,053.86 usft |
| Position Uncertainty | | 0.0 ft | Wellhead Elevation: | 0.0 ft |
| | | | Ground Level: | 4,769.0 ft |

| | | | | | |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| Wellbore | Wellbore #1 | | | | |
| Magnetics | Model Name | Sample Date | Declination (°) | Dip Angle (°) | Field Strength (nT) |
| | IGRF2010 | 9/29/2016 | 7.83 | 67.06 | 52,699 |

| | | | | |
|--------------------------|------------------------------|-------------------|----------------------|----------------------|
| Design | Plan #1 (9-29-16) | | | |
| Audit Notes: | | | | |
| Version: | Phase: | PROTOTYPE | Tie On Depth: | 0.0 |
| Vertical Section: | Depth From (TVD) (ft) | +N/-S (ft) | +E/-W (ft) | Direction (°) |
| | 0.0 | 0.0 | 0.0 | 183.37 |

| Plan Sections | | | | | | | | | | |
|----------------------|-----------------|-------------|---------------------|------------|------------|-------------------------|------------------------|-----------------------|---------|----------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | 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 | |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 1,239.0 | 9.58 | 270.84 | 1,236.0 | 0.8 | -53.3 | 1.50 | 1.50 | 0.00 | 270.84 | |
| 4,978.2 | 9.58 | 270.84 | 4,923.0 | 9.9 | -675.8 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 5,457.4 | 0.00 | 0.00 | 5,400.0 | 10.5 | -715.8 | 2.00 | -2.00 | 0.00 | 180.00 | |
| 5,599.4 | 0.00 | 0.00 | 5,542.0 | 10.5 | -715.8 | 0.00 | 0.00 | 0.00 | 0.00 | |
| 6,731.2 | 90.56 | 179.39 | 6,258.0 | -712.5 | -708.1 | 8.00 | 8.00 | 0.00 | 179.39 | |
| 6,731.2 | 90.56 | 179.39 | 6,258.0 | -712.6 | -708.1 | 0.00 | 0.00 | 0.00 | 0.00 | LPL 460'FNL, 2244'FI |
| 6,731.7 | 90.56 | 179.39 | 6,258.0 | -713.1 | -708.1 | 0.50 | 0.48 | 0.15 | 17.19 | |
| 16,306.1 | 90.56 | 179.39 | 6,164.0 | -10,286.5 | -606.3 | 0.00 | 0.00 | 0.00 | 0.00 | BHL 460'FSL, 2244'FI |

| | | | |
|-----------|-------------------------------------|------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Riggs 35-761-0561XAH |
| Company: | Caerus Oil and Gas LLC | TVD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Project: | SEC.35-T7N-R61W | MD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Site: | Riggs OP 35-761 Pad Sec.35-T7N-R61W | North Reference: | True |
| Well: | Riggs 35-761-0561XAH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-29-16) | | |

| Planned 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) |
| 0.0 | 0.00 | 0.00 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 100.0 | 0.00 | 0.00 | 100.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 200.0 | 0.00 | 0.00 | 200.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 300.0 | 0.00 | 0.00 | 300.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 400.0 | 0.00 | 0.00 | 400.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 500.0 | 0.00 | 0.00 | 500.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| 600.0 | 0.00 | 0.00 | 600.0 | 0.0 | 0.0 | 0.0 | 0.00 | 0.00 | 0.00 |
| KOP - Start Build 1.50 | | | | | | | | | |
| 700.0 | 1.50 | 270.84 | 700.0 | 0.0 | -1.3 | 0.1 | 1.50 | 1.50 | 0.00 |
| 800.0 | 3.00 | 270.84 | 799.9 | 0.1 | -5.2 | 0.2 | 1.50 | 1.50 | 0.00 |
| 900.0 | 4.50 | 270.84 | 899.7 | 0.2 | -11.8 | 0.5 | 1.50 | 1.50 | 0.00 |
| 1,000.0 | 6.00 | 270.84 | 999.3 | 0.3 | -20.9 | 0.9 | 1.50 | 1.50 | 0.00 |
| 1,100.0 | 7.50 | 270.84 | 1,098.6 | 0.5 | -32.7 | 1.4 | 1.50 | 1.50 | 0.00 |
| 1,200.0 | 9.00 | 270.84 | 1,197.5 | 0.7 | -47.0 | 2.1 | 1.50 | 1.50 | 0.00 |
| 1,239.0 | 9.58 | 270.84 | 1,236.0 | 0.8 | -53.3 | 2.4 | 1.50 | 1.50 | 0.00 |
| 1,300.0 | 9.58 | 270.84 | 1,296.2 | 0.9 | -63.5 | 2.8 | 0.00 | 0.00 | 0.00 |
| 1,400.0 | 9.58 | 270.84 | 1,394.8 | 1.2 | -80.1 | 3.5 | 0.00 | 0.00 | 0.00 |
| 1,500.0 | 9.58 | 270.84 | 1,493.4 | 1.4 | -96.8 | 4.3 | 0.00 | 0.00 | 0.00 |
| 1,600.0 | 9.58 | 270.84 | 1,592.0 | 1.7 | -113.4 | 5.0 | 0.00 | 0.00 | 0.00 |
| 1,700.0 | 9.58 | 270.84 | 1,690.6 | 1.9 | -130.1 | 5.7 | 0.00 | 0.00 | 0.00 |
| 1,800.0 | 9.58 | 270.84 | 1,789.2 | 2.2 | -146.7 | 6.5 | 0.00 | 0.00 | 0.00 |
| 1,900.0 | 9.58 | 270.84 | 1,887.8 | 2.4 | -163.4 | 7.2 | 0.00 | 0.00 | 0.00 |
| 2,000.0 | 9.58 | 270.84 | 1,986.4 | 2.6 | -180.0 | 8.0 | 0.00 | 0.00 | 0.00 |
| 2,100.0 | 9.58 | 270.84 | 2,085.0 | 2.9 | -196.7 | 8.7 | 0.00 | 0.00 | 0.00 |
| 2,200.0 | 9.58 | 270.84 | 2,183.6 | 3.1 | -213.3 | 9.4 | 0.00 | 0.00 | 0.00 |
| 2,300.0 | 9.58 | 270.84 | 2,282.2 | 3.4 | -230.0 | 10.2 | 0.00 | 0.00 | 0.00 |
| 2,400.0 | 9.58 | 270.84 | 2,380.8 | 3.6 | -246.6 | 10.9 | 0.00 | 0.00 | 0.00 |
| 2,500.0 | 9.58 | 270.84 | 2,479.4 | 3.9 | -263.2 | 11.6 | 0.00 | 0.00 | 0.00 |
| 2,600.0 | 9.58 | 270.84 | 2,578.0 | 4.1 | -279.9 | 12.4 | 0.00 | 0.00 | 0.00 |
| 2,700.0 | 9.58 | 270.84 | 2,676.6 | 4.3 | -296.5 | 13.1 | 0.00 | 0.00 | 0.00 |
| 2,800.0 | 9.58 | 270.84 | 2,775.2 | 4.6 | -313.2 | 13.8 | 0.00 | 0.00 | 0.00 |
| 2,900.0 | 9.58 | 270.84 | 2,873.8 | 4.8 | -329.8 | 14.6 | 0.00 | 0.00 | 0.00 |
| 3,000.0 | 9.58 | 270.84 | 2,972.4 | 5.1 | -346.5 | 15.3 | 0.00 | 0.00 | 0.00 |
| 3,100.0 | 9.58 | 270.84 | 3,071.0 | 5.3 | -363.1 | 16.0 | 0.00 | 0.00 | 0.00 |
| 3,200.0 | 9.58 | 270.84 | 3,169.7 | 5.6 | -379.8 | 16.8 | 0.00 | 0.00 | 0.00 |
| 3,219.6 | 9.58 | 270.84 | 3,189.0 | 5.6 | -383.1 | 16.9 | 0.00 | 0.00 | 0.00 |
| RICHARD_SD | | | | | | | | | |
| 3,300.0 | 9.58 | 270.84 | 3,268.3 | 5.8 | -396.4 | 17.5 | 0.00 | 0.00 | 0.00 |
| 3,400.0 | 9.58 | 270.84 | 3,366.9 | 6.1 | -413.1 | 18.3 | 0.00 | 0.00 | 0.00 |
| 3,500.0 | 9.58 | 270.84 | 3,465.5 | 6.3 | -429.7 | 19.0 | 0.00 | 0.00 | 0.00 |
| 3,600.0 | 9.58 | 270.84 | 3,564.1 | 6.5 | -446.4 | 19.7 | 0.00 | 0.00 | 0.00 |
| 3,700.0 | 9.58 | 270.84 | 3,662.7 | 6.8 | -463.0 | 20.5 | 0.00 | 0.00 | 0.00 |
| 3,800.0 | 9.58 | 270.84 | 3,761.3 | 7.0 | -479.7 | 21.2 | 0.00 | 0.00 | 0.00 |
| 3,900.0 | 9.58 | 270.84 | 3,859.9 | 7.3 | -496.3 | 21.9 | 0.00 | 0.00 | 0.00 |
| 4,000.0 | 9.58 | 270.84 | 3,958.5 | 7.5 | -513.0 | 22.7 | 0.00 | 0.00 | 0.00 |
| 4,100.0 | 9.58 | 270.84 | 4,057.1 | 7.8 | -529.6 | 23.4 | 0.00 | 0.00 | 0.00 |
| 4,200.0 | 9.58 | 270.84 | 4,155.7 | 8.0 | -546.3 | 24.1 | 0.00 | 0.00 | 0.00 |
| 4,300.0 | 9.58 | 270.84 | 4,254.3 | 8.3 | -562.9 | 24.9 | 0.00 | 0.00 | 0.00 |
| 4,400.0 | 9.58 | 270.84 | 4,352.9 | 8.5 | -579.6 | 25.6 | 0.00 | 0.00 | 0.00 |
| 4,500.0 | 9.58 | 270.84 | 4,451.5 | 8.7 | -596.2 | 26.4 | 0.00 | 0.00 | 0.00 |
| 4,600.0 | 9.58 | 270.84 | 4,550.1 | 9.0 | -612.9 | 27.1 | 0.00 | 0.00 | 0.00 |
| 4,700.0 | 9.58 | 270.84 | 4,648.7 | 9.2 | -629.5 | 27.8 | 0.00 | 0.00 | 0.00 |
| 4,800.0 | 9.58 | 270.84 | 4,747.3 | 9.5 | -646.2 | 28.6 | 0.00 | 0.00 | 0.00 |
| 4,900.0 | 9.58 | 270.84 | 4,845.9 | 9.7 | -662.8 | 29.3 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Riggs 35-761-0561XAH |
| Company: | Caerus Oil and Gas LLC | TVD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Project: | SEC.35-T7N-R61W | MD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Site: | Riggs OP 35-761 Pad Sec.35-T7N-R61W | North Reference: | True |
| Well: | Riggs 35-761-0561XAH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-29-16) | | |

| Planned 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) |
| 4,978.2 | 9.58 | 270.84 | 4,923.0 | 9.9 | -675.8 | 29.9 | 0.00 | 0.00 | 0.00 |
| Start Drop -2.00 | | | | | | | | | |
| 5,000.0 | 9.15 | 270.84 | 4,944.5 | 10.0 | -679.4 | 30.0 | 2.00 | -2.00 | 0.00 |
| 5,100.0 | 7.15 | 270.84 | 5,043.5 | 10.2 | -693.5 | 30.7 | 2.00 | -2.00 | 0.00 |
| 5,200.0 | 5.15 | 270.84 | 5,142.9 | 10.3 | -704.2 | 31.1 | 2.00 | -2.00 | 0.00 |
| 5,300.0 | 3.15 | 270.84 | 5,242.7 | 10.4 | -711.5 | 31.4 | 2.00 | -2.00 | 0.00 |
| 5,400.0 | 1.15 | 270.84 | 5,342.6 | 10.5 | -715.2 | 31.6 | 2.00 | -2.00 | 0.00 |
| 5,457.4 | 0.00 | 0.00 | 5,400.0 | 10.5 | -715.8 | 31.6 | 2.00 | -2.00 | 0.00 |
| 5,500.0 | 0.00 | 0.00 | 5,442.6 | 10.5 | -715.8 | 31.6 | 0.00 | 0.00 | 0.00 |
| 5,599.4 | 0.00 | 0.00 | 5,542.0 | 10.5 | -715.8 | 31.6 | 0.00 | 0.00 | 0.00 |
| Start Build 8.00 | | | | | | | | | |
| 5,600.0 | 0.05 | 179.39 | 5,542.6 | 10.5 | -715.8 | 31.6 | 8.61 | 8.61 | 0.00 |
| 5,700.0 | 8.05 | 179.39 | 5,642.3 | 3.4 | -715.7 | 38.7 | 8.00 | 8.00 | 0.00 |
| 5,800.0 | 16.05 | 179.39 | 5,740.0 | -17.4 | -715.5 | 59.5 | 8.00 | 8.00 | 0.00 |
| 5,900.0 | 24.06 | 179.39 | 5,833.8 | -51.7 | -715.1 | 93.7 | 8.00 | 8.00 | 0.00 |
| 6,000.0 | 32.06 | 179.39 | 5,922.0 | -98.7 | -714.6 | 140.6 | 8.00 | 8.00 | 0.00 |
| 6,100.0 | 40.06 | 179.39 | 6,002.8 | -157.5 | -714.0 | 199.2 | 8.00 | 8.00 | 0.00 |
| 6,200.0 | 48.06 | 179.39 | 6,074.6 | -227.0 | -713.3 | 268.5 | 8.00 | 8.00 | 0.00 |
| 6,262.0 | 53.02 | 179.39 | 6,114.0 | -274.8 | -712.8 | 316.3 | 8.00 | 8.00 | 0.00 |
| SHARON_SPRGS | | | | | | | | | |
| 6,300.0 | 56.06 | 179.39 | 6,136.0 | -305.8 | -712.4 | 347.2 | 8.00 | 8.00 | 0.00 |
| 6,400.0 | 64.06 | 179.39 | 6,185.9 | -392.3 | -711.5 | 433.5 | 8.00 | 8.00 | 0.00 |
| 6,444.2 | 67.60 | 179.39 | 6,204.0 | -432.7 | -711.1 | 473.8 | 8.00 | 8.00 | 0.00 |
| NIOBRARA | | | | | | | | | |
| 6,500.0 | 72.06 | 179.39 | 6,223.2 | -485.0 | -710.5 | 526.0 | 8.00 | 8.00 | 0.00 |
| 6,538.1 | 75.11 | 179.39 | 6,234.0 | -521.6 | -710.1 | 562.5 | 8.00 | 8.00 | 0.00 |
| NBRR_A | | | | | | | | | |
| 6,600.0 | 80.06 | 179.39 | 6,247.3 | -582.0 | -709.5 | 622.7 | 8.00 | 8.00 | 0.00 |
| 6,700.0 | 88.07 | 179.39 | 6,257.6 | -681.4 | -708.4 | 721.9 | 8.00 | 8.00 | 0.00 |
| 6,717.1 | 89.44 | 179.39 | 6,258.0 | -698.5 | -708.3 | 739.0 | 8.00 | 8.00 | 0.00 |
| NBRR_A_MARL | | | | | | | | | |
| 6,731.2 | 90.56 | 179.39 | 6,258.0 | -712.6 | -708.1 | 753.0 | 7.98 | 7.98 | 0.00 |
| Start DLS 0.50 TFO 17.19 | | | | | | | | | |
| 6,731.7 | 90.56 | 179.39 | 6,258.0 | -713.1 | -708.1 | 753.5 | 0.49 | 0.47 | 0.15 |
| Start 9574.4 hold at 6731.7 MD | | | | | | | | | |
| 6,800.0 | 90.56 | 179.39 | 6,257.3 | -781.4 | -707.4 | 821.6 | 0.00 | 0.00 | 0.00 |
| 6,900.0 | 90.56 | 179.39 | 6,256.3 | -881.4 | -706.3 | 921.4 | 0.00 | 0.00 | 0.00 |
| 7,000.0 | 90.56 | 179.39 | 6,255.4 | -981.3 | -705.2 | 1,021.1 | 0.00 | 0.00 | 0.00 |
| 7,100.0 | 90.56 | 179.39 | 6,254.4 | -1,081.3 | -704.2 | 1,120.9 | 0.00 | 0.00 | 0.00 |
| 7,200.0 | 90.56 | 179.39 | 6,253.4 | -1,181.3 | -703.1 | 1,220.6 | 0.00 | 0.00 | 0.00 |
| 7,300.0 | 90.56 | 179.39 | 6,252.4 | -1,281.3 | -702.1 | 1,320.4 | 0.00 | 0.00 | 0.00 |
| 7,400.0 | 90.56 | 179.39 | 6,251.4 | -1,381.3 | -701.0 | 1,420.2 | 0.00 | 0.00 | 0.00 |
| 7,500.0 | 90.56 | 179.39 | 6,250.5 | -1,481.3 | -699.9 | 1,519.9 | 0.00 | 0.00 | 0.00 |
| 7,600.0 | 90.56 | 179.39 | 6,249.5 | -1,581.3 | -698.9 | 1,619.7 | 0.00 | 0.00 | 0.00 |
| 7,700.0 | 90.56 | 179.39 | 6,248.5 | -1,681.3 | -697.8 | 1,719.4 | 0.00 | 0.00 | 0.00 |
| 7,800.0 | 90.56 | 179.39 | 6,247.5 | -1,781.3 | -696.7 | 1,819.2 | 0.00 | 0.00 | 0.00 |
| 7,900.0 | 90.56 | 179.39 | 6,246.5 | -1,881.2 | -695.7 | 1,918.9 | 0.00 | 0.00 | 0.00 |
| 8,000.0 | 90.56 | 179.39 | 6,245.5 | -1,981.2 | -694.6 | 2,018.7 | 0.00 | 0.00 | 0.00 |
| 8,100.0 | 90.56 | 179.39 | 6,244.6 | -2,081.2 | -693.5 | 2,118.4 | 0.00 | 0.00 | 0.00 |
| 8,200.0 | 90.56 | 179.39 | 6,243.6 | -2,181.2 | -692.5 | 2,218.2 | 0.00 | 0.00 | 0.00 |
| 8,300.0 | 90.56 | 179.39 | 6,242.6 | -2,281.2 | -691.4 | 2,317.9 | 0.00 | 0.00 | 0.00 |
| 8,400.0 | 90.56 | 179.39 | 6,241.6 | -2,381.2 | -690.4 | 2,417.7 | 0.00 | 0.00 | 0.00 |
| 8,500.0 | 90.56 | 179.39 | 6,240.6 | -2,481.2 | -689.3 | 2,517.4 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Riggs 35-761-0561XAH |
| Company: | Caerus Oil and Gas LLC | TVD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Project: | SEC.35-T7N-R61W | MD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Site: | Riggs OP 35-761 Pad Sec.35-T7N-R61W | North Reference: | True |
| Well: | Riggs 35-761-0561XAH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-29-16) | | |

| Planned 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) |
| 8,600.0 | 90.56 | 179.39 | 6,239.7 | -2,581.2 | -688.2 | 2,617.2 | 0.00 | 0.00 | 0.00 |
| 8,700.0 | 90.56 | 179.39 | 6,238.7 | -2,681.2 | -687.2 | 2,717.0 | 0.00 | 0.00 | 0.00 |
| 8,800.0 | 90.56 | 179.39 | 6,237.7 | -2,781.2 | -686.1 | 2,816.7 | 0.00 | 0.00 | 0.00 |
| 8,900.0 | 90.56 | 179.39 | 6,236.7 | -2,881.1 | -685.0 | 2,916.5 | 0.00 | 0.00 | 0.00 |
| 9,000.0 | 90.56 | 179.39 | 6,235.7 | -2,981.1 | -684.0 | 3,016.2 | 0.00 | 0.00 | 0.00 |
| 9,100.0 | 90.56 | 179.39 | 6,234.7 | -3,081.1 | -682.9 | 3,116.0 | 0.00 | 0.00 | 0.00 |
| 9,200.0 | 90.56 | 179.39 | 6,233.8 | -3,181.1 | -681.9 | 3,215.7 | 0.00 | 0.00 | 0.00 |
| 9,300.0 | 90.56 | 179.39 | 6,232.8 | -3,281.1 | -680.8 | 3,315.5 | 0.00 | 0.00 | 0.00 |
| 9,400.0 | 90.56 | 179.39 | 6,231.8 | -3,381.1 | -679.7 | 3,415.2 | 0.00 | 0.00 | 0.00 |
| 9,500.0 | 90.56 | 179.39 | 6,230.8 | -3,481.1 | -678.7 | 3,515.0 | 0.00 | 0.00 | 0.00 |
| 9,600.0 | 90.56 | 179.39 | 6,229.8 | -3,581.1 | -677.6 | 3,614.7 | 0.00 | 0.00 | 0.00 |
| 9,700.0 | 90.56 | 179.39 | 6,228.9 | -3,681.1 | -676.5 | 3,714.5 | 0.00 | 0.00 | 0.00 |
| 9,800.0 | 90.56 | 179.39 | 6,227.9 | -3,781.0 | -675.5 | 3,814.2 | 0.00 | 0.00 | 0.00 |
| 9,900.0 | 90.56 | 179.39 | 6,226.9 | -3,881.0 | -674.4 | 3,914.0 | 0.00 | 0.00 | 0.00 |
| 10,000.0 | 90.56 | 179.39 | 6,225.9 | -3,981.0 | -673.3 | 4,013.7 | 0.00 | 0.00 | 0.00 |
| 10,100.0 | 90.56 | 179.39 | 6,224.9 | -4,081.0 | -672.3 | 4,113.5 | 0.00 | 0.00 | 0.00 |
| 10,200.0 | 90.56 | 179.39 | 6,223.9 | -4,181.0 | -671.2 | 4,213.3 | 0.00 | 0.00 | 0.00 |
| 10,300.0 | 90.56 | 179.39 | 6,223.0 | -4,281.0 | -670.2 | 4,313.0 | 0.00 | 0.00 | 0.00 |
| 10,400.0 | 90.56 | 179.39 | 6,222.0 | -4,381.0 | -669.1 | 4,412.8 | 0.00 | 0.00 | 0.00 |
| 10,500.0 | 90.56 | 179.39 | 6,221.0 | -4,481.0 | -668.0 | 4,512.5 | 0.00 | 0.00 | 0.00 |
| 10,600.0 | 90.56 | 179.39 | 6,220.0 | -4,581.0 | -667.0 | 4,612.3 | 0.00 | 0.00 | 0.00 |
| 10,700.0 | 90.56 | 179.39 | 6,219.0 | -4,681.0 | -665.9 | 4,712.0 | 0.00 | 0.00 | 0.00 |
| 10,800.0 | 90.56 | 179.39 | 6,218.1 | -4,780.9 | -664.8 | 4,811.8 | 0.00 | 0.00 | 0.00 |
| 10,900.0 | 90.56 | 179.39 | 6,217.1 | -4,880.9 | -663.8 | 4,911.5 | 0.00 | 0.00 | 0.00 |
| 11,000.0 | 90.56 | 179.39 | 6,216.1 | -4,980.9 | -662.7 | 5,011.3 | 0.00 | 0.00 | 0.00 |
| 11,100.0 | 90.56 | 179.39 | 6,215.1 | -5,080.9 | -661.7 | 5,111.0 | 0.00 | 0.00 | 0.00 |
| 11,200.0 | 90.56 | 179.39 | 6,214.1 | -5,180.9 | -660.6 | 5,210.8 | 0.00 | 0.00 | 0.00 |
| 11,300.0 | 90.56 | 179.39 | 6,213.1 | -5,280.9 | -659.5 | 5,310.5 | 0.00 | 0.00 | 0.00 |
| 11,400.0 | 90.56 | 179.39 | 6,212.2 | -5,380.9 | -658.5 | 5,410.3 | 0.00 | 0.00 | 0.00 |
| 11,500.0 | 90.56 | 179.39 | 6,211.2 | -5,480.9 | -657.4 | 5,510.1 | 0.00 | 0.00 | 0.00 |
| 11,600.0 | 90.56 | 179.39 | 6,210.2 | -5,580.9 | -656.3 | 5,609.8 | 0.00 | 0.00 | 0.00 |
| 11,700.0 | 90.56 | 179.39 | 6,209.2 | -5,680.8 | -655.3 | 5,709.6 | 0.00 | 0.00 | 0.00 |
| 11,800.0 | 90.56 | 179.39 | 6,208.2 | -5,780.8 | -654.2 | 5,809.3 | 0.00 | 0.00 | 0.00 |
| 11,900.0 | 90.56 | 179.39 | 6,207.3 | -5,880.8 | -653.2 | 5,909.1 | 0.00 | 0.00 | 0.00 |
| 12,000.0 | 90.56 | 179.39 | 6,206.3 | -5,980.8 | -652.1 | 6,008.8 | 0.00 | 0.00 | 0.00 |
| 12,100.0 | 90.56 | 179.39 | 6,205.3 | -6,080.8 | -651.0 | 6,108.6 | 0.00 | 0.00 | 0.00 |
| 12,200.0 | 90.56 | 179.39 | 6,204.3 | -6,180.8 | -650.0 | 6,208.3 | 0.00 | 0.00 | 0.00 |
| 12,300.0 | 90.56 | 179.39 | 6,203.3 | -6,280.8 | -648.9 | 6,308.1 | 0.00 | 0.00 | 0.00 |
| 12,400.0 | 90.56 | 179.39 | 6,202.3 | -6,380.8 | -647.8 | 6,407.8 | 0.00 | 0.00 | 0.00 |
| 12,500.0 | 90.56 | 179.39 | 6,201.4 | -6,480.8 | -646.8 | 6,507.6 | 0.00 | 0.00 | 0.00 |
| 12,600.0 | 90.56 | 179.39 | 6,200.4 | -6,580.8 | -645.7 | 6,607.3 | 0.00 | 0.00 | 0.00 |
| 12,700.0 | 90.56 | 179.39 | 6,199.4 | -6,680.7 | -644.6 | 6,707.1 | 0.00 | 0.00 | 0.00 |
| 12,800.0 | 90.56 | 179.39 | 6,198.4 | -6,780.7 | -643.6 | 6,806.9 | 0.00 | 0.00 | 0.00 |
| 12,900.0 | 90.56 | 179.39 | 6,197.4 | -6,880.7 | -642.5 | 6,906.6 | 0.00 | 0.00 | 0.00 |
| 13,000.0 | 90.56 | 179.39 | 6,196.5 | -6,980.7 | -641.5 | 7,006.4 | 0.00 | 0.00 | 0.00 |
| 13,100.0 | 90.56 | 179.39 | 6,195.5 | -7,080.7 | -640.4 | 7,106.1 | 0.00 | 0.00 | 0.00 |
| 13,200.0 | 90.56 | 179.39 | 6,194.5 | -7,180.7 | -639.3 | 7,205.9 | 0.00 | 0.00 | 0.00 |
| 13,300.0 | 90.56 | 179.39 | 6,193.5 | -7,280.7 | -638.3 | 7,305.6 | 0.00 | 0.00 | 0.00 |
| 13,400.0 | 90.56 | 179.39 | 6,192.5 | -7,380.7 | -637.2 | 7,405.4 | 0.00 | 0.00 | 0.00 |
| 13,500.0 | 90.56 | 179.39 | 6,191.5 | -7,480.7 | -636.1 | 7,505.1 | 0.00 | 0.00 | 0.00 |
| 13,600.0 | 90.56 | 179.39 | 6,190.6 | -7,580.6 | -635.1 | 7,604.9 | 0.00 | 0.00 | 0.00 |
| 13,700.0 | 90.56 | 179.39 | 6,189.6 | -7,680.6 | -634.0 | 7,704.6 | 0.00 | 0.00 | 0.00 |
| 13,800.0 | 90.56 | 179.39 | 6,188.6 | -7,780.6 | -633.0 | 7,804.4 | 0.00 | 0.00 | 0.00 |
| 13,900.0 | 90.56 | 179.39 | 6,187.6 | -7,880.6 | -631.9 | 7,904.1 | 0.00 | 0.00 | 0.00 |

| | | | |
|------------------|-------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Riggs 35-761-0561XAH |
| Company: | Caerus Oil and Gas LLC | TVD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Project: | SEC.35-T7N-R61W | MD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Site: | Riggs OP 35-761 Pad Sec.35-T7N-R61W | North Reference: | True |
| Well: | Riggs 35-761-0561XAH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-29-16) | | |

| Planned 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) |
| 14,000.0 | 90.56 | 179.39 | 6,186.6 | -7,980.6 | -630.8 | 8,003.9 | 0.00 | 0.00 | 0.00 |
| 14,100.0 | 90.56 | 179.39 | 6,185.7 | -8,080.6 | -629.8 | 8,103.7 | 0.00 | 0.00 | 0.00 |
| 14,200.0 | 90.56 | 179.39 | 6,184.7 | -8,180.6 | -628.7 | 8,203.4 | 0.00 | 0.00 | 0.00 |
| 14,300.0 | 90.56 | 179.39 | 6,183.7 | -8,280.6 | -627.6 | 8,303.2 | 0.00 | 0.00 | 0.00 |
| 14,400.0 | 90.56 | 179.39 | 6,182.7 | -8,380.6 | -626.6 | 8,402.9 | 0.00 | 0.00 | 0.00 |
| 14,500.0 | 90.56 | 179.39 | 6,181.7 | -8,480.6 | -625.5 | 8,502.7 | 0.00 | 0.00 | 0.00 |
| 14,600.0 | 90.56 | 179.39 | 6,180.7 | -8,580.5 | -624.4 | 8,602.4 | 0.00 | 0.00 | 0.00 |
| 14,700.0 | 90.56 | 179.39 | 6,179.8 | -8,680.5 | -623.4 | 8,702.2 | 0.00 | 0.00 | 0.00 |
| 14,800.0 | 90.56 | 179.39 | 6,178.8 | -8,780.5 | -622.3 | 8,801.9 | 0.00 | 0.00 | 0.00 |
| 14,900.0 | 90.56 | 179.39 | 6,177.8 | -8,880.5 | -621.3 | 8,901.7 | 0.00 | 0.00 | 0.00 |
| 15,000.0 | 90.56 | 179.39 | 6,176.8 | -8,980.5 | -620.2 | 9,001.4 | 0.00 | 0.00 | 0.00 |
| 15,100.0 | 90.56 | 179.39 | 6,175.8 | -9,080.5 | -619.1 | 9,101.2 | 0.00 | 0.00 | 0.00 |
| 15,200.0 | 90.56 | 179.39 | 6,174.9 | -9,180.5 | -618.1 | 9,200.9 | 0.00 | 0.00 | 0.00 |
| 15,300.0 | 90.56 | 179.39 | 6,173.9 | -9,280.5 | -617.0 | 9,300.7 | 0.00 | 0.00 | 0.00 |
| 15,400.0 | 90.56 | 179.39 | 6,172.9 | -9,380.5 | -615.9 | 9,400.5 | 0.00 | 0.00 | 0.00 |
| 15,500.0 | 90.56 | 179.39 | 6,171.9 | -9,480.5 | -614.9 | 9,500.2 | 0.00 | 0.00 | 0.00 |
| 15,600.0 | 90.56 | 179.39 | 6,170.9 | -9,580.4 | -613.8 | 9,600.0 | 0.00 | 0.00 | 0.00 |
| 15,700.0 | 90.56 | 179.39 | 6,170.0 | -9,680.4 | -612.8 | 9,699.7 | 0.00 | 0.00 | 0.00 |
| 15,800.0 | 90.56 | 179.39 | 6,169.0 | -9,780.4 | -611.7 | 9,799.5 | 0.00 | 0.00 | 0.00 |
| 15,900.0 | 90.56 | 179.39 | 6,168.0 | -9,880.4 | -610.6 | 9,899.2 | 0.00 | 0.00 | 0.00 |
| 16,000.0 | 90.56 | 179.39 | 6,167.0 | -9,980.4 | -609.6 | 9,999.0 | 0.00 | 0.00 | 0.00 |
| 16,100.0 | 90.56 | 179.39 | 6,166.0 | -10,080.4 | -608.5 | 10,098.7 | 0.00 | 0.00 | 0.00 |
| 16,200.0 | 90.56 | 179.39 | 6,165.0 | -10,180.4 | -607.4 | 10,198.5 | 0.00 | 0.00 | 0.00 |
| 16,300.0 | 90.56 | 179.39 | 6,164.1 | -10,280.4 | -606.4 | 10,298.2 | 0.00 | 0.00 | 0.00 |
| 16,306.1 | 90.56 | 179.39 | 6,164.0 | -10,286.5 | -606.3 | 10,304.3 | 0.00 | 0.00 | 0.00 |
| TD at 16306.1 | | | | | | | | | |

| Design Targets | | | | | | | | | |
|--|---------------|--------------|----------|------------|------------|-----------------|----------------|-----------|-------------|
| Target Name - hit/miss target - Shape | Dip Angle (°) | Dip Dir. (°) | TVD (ft) | +N/-S (ft) | +E/-W (ft) | Northing (usft) | Easting (usft) | Latitude | Longitude |
| SHL 250'FSL, 1528'FEL - plan hits target center - Point | 0.00 | 0.00 | 1.0 | 0.0 | 0.0 | 1,436,867.05 | 3,369,053.86 | 40.525017 | -104.172403 |
| BHL 460'FSL, 2244'FEL - plan hits target center - Point | 0.00 | 0.00 | 6,164.0 | -10,286.5 | -606.3 | 1,426,572.95 | 3,368,601.64 | 40.496782 | -104.174583 |
| LPL 460'FNL, 2244'FEL, - plan hits target center - Point | 0.00 | 0.00 | 6,258.0 | -712.6 | -708.1 | 1,436,143.96 | 3,368,356.53 | 40.523061 | -104.174950 |

| Casing Points | | | | |
|---------------------|---------------------|------|---------------------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Casing Diameter (") | Hole Diameter (") |
| 6,731.2 | 6,258.0 | 7" | 7 | 8-3/4 |

| | | | |
|------------------|-------------------------------------|-------------------------------------|-----------------------------|
| Database: | US_EDM | Local Co-ordinate Reference: | Well Riggs 35-761-0561XAH |
| Company: | Caerus Oil and Gas LLC | TVD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Project: | SEC.35-T7N-R61W | MD Reference: | WELL @ 4799.0ft (RKB - 30') |
| Site: | Riggs OP 35-761 Pad Sec.35-T7N-R61W | North Reference: | True |
| Well: | Riggs 35-761-0561XAH | Survey Calculation Method: | Minimum Curvature |
| Wellbore: | Wellbore #1 | | |
| Design: | Plan #1 (9-29-16) | | |

| Formations | | | | | |
|---------------------|---------------------|--------------|-----------|---------|-------------------|
| Measured Depth (ft) | Vertical Depth (ft) | Name | Lithology | Dip (°) | Dip Direction (°) |
| 3,219.6 | 3,189.0 | RICHARD_SD | | 0.00 | |
| 6,262.0 | 6,114.0 | SHARON_SPRGS | | 0.00 | |
| 6,444.2 | 6,204.0 | NIOBRARA | | 0.00 | |
| 6,538.1 | 6,234.0 | NBRR_A | | 0.00 | |
| 6,717.1 | 6,258.0 | NBRR_A_MARL | | 0.00 | |

| Plan Annotations | | | | | |
|---------------------|---------------------|-------------------|------------|--------------------------------|--|
| Measured Depth (ft) | Vertical Depth (ft) | Local Coordinates | | | |
| | | +N/-S (ft) | +E/-W (ft) | Comment | |
| 600.0 | 600.0 | 0.0 | 0.0 | KOP - Start Build 1.50 | |
| 4,978.2 | 4,923.0 | 9.9 | -675.8 | Start Drop -2.00 | |
| 5,599.4 | 5,542.0 | 10.5 | -715.8 | Start Build 8.00 | |
| 6,731.2 | 6,258.0 | -712.6 | -708.1 | Start DLS 0.50 TFO 17.19 | |
| 6,731.7 | 6,258.0 | -713.1 | -708.1 | Start 9574.4 hold at 6731.7 MD | |
| 16,306.1 | 6,164.0 | -10,286.5 | -606.3 | TD at 16306.1 | |