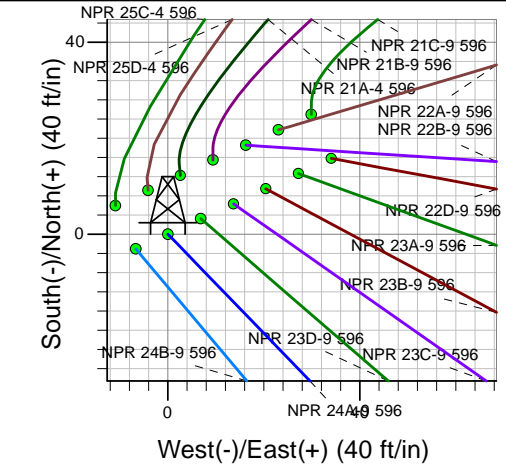
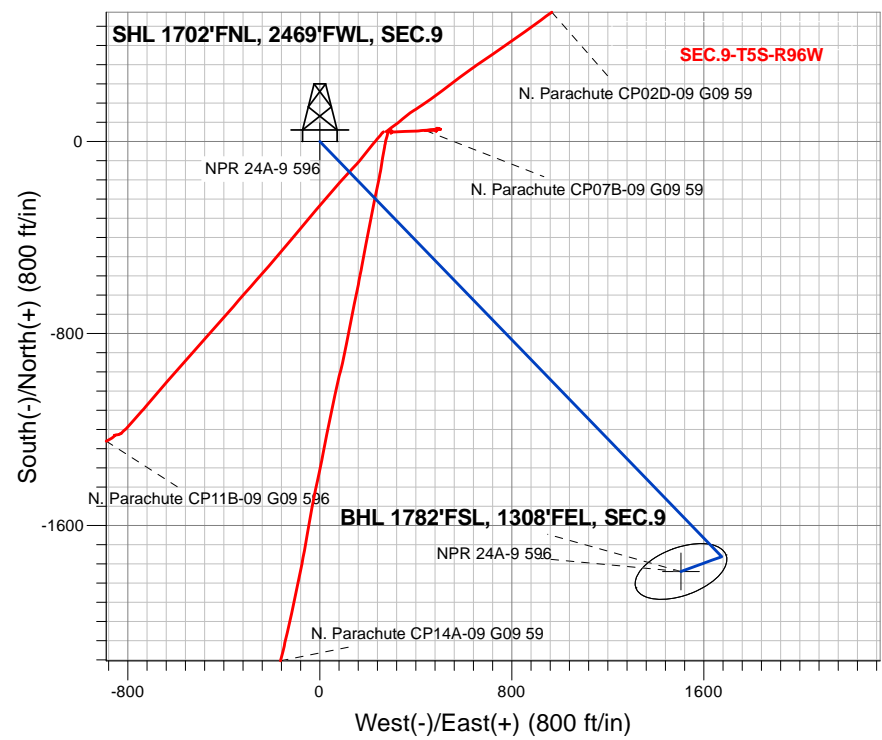
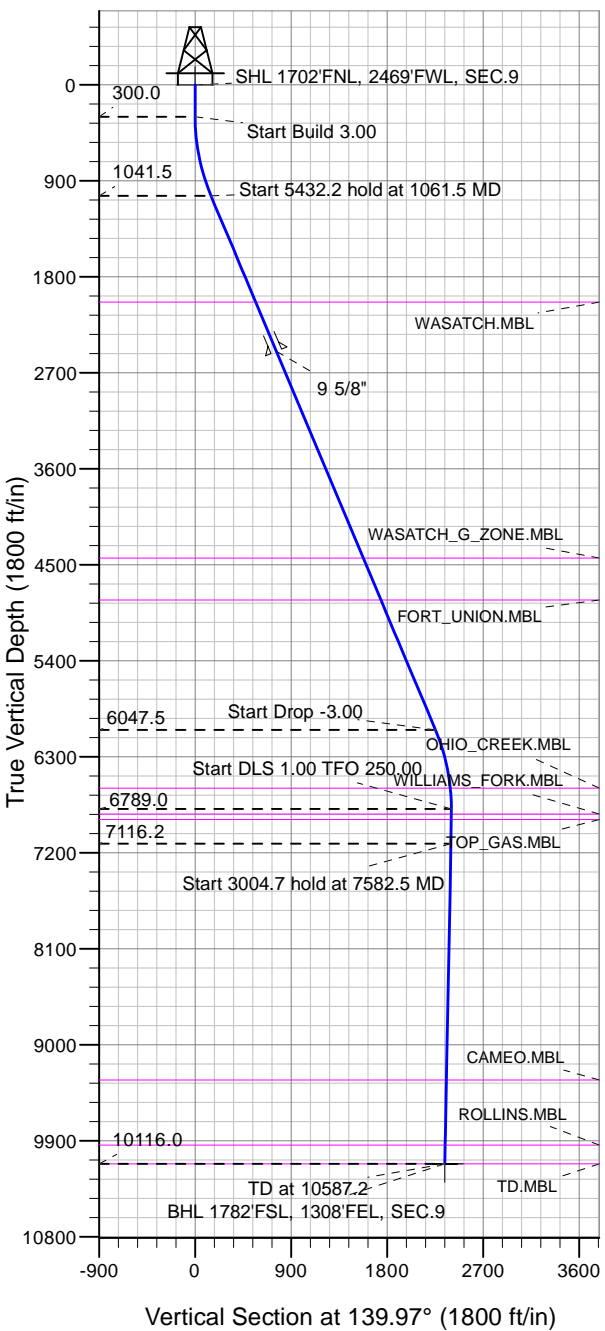


### Caerus Oil and Gas LLC



NPR 24A-9 596  
 Plan #1 (1-15-18)  
 11:28, January 19 2018

Azimuths to True North  
 Magnetic North: 9.63°

Magnetic Field  
 Strength: 51502.8snT  
 Dip Angle: 65.85°  
 Date: 1/19/2018  
 Model: HDGM

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
SHL 1702'FNL, 2469'FWL, SEC.9	1.0	0.0	0.0	39.632166	-108.174131	Point
BHL 1782'FSL, 1308'FEL, SEC.9	10116.0	-1792.2	1505.4	39.627246	-108.168786	Ellipse (Radii: L200.0 W100.0)

#### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1061.5	22.84	135.92	1041.5	-107.6	104.2	3.00	135.92	149.4	
4	6493.6	22.84	135.92	6047.5	-1622.7	1571.2	0.00	0.00	2253.1	
5	7255.1	0.00	0.00	6789.0	-1730.3	1675.4	3.00	180.00	2402.5	
6	7582.5	3.27	250.00	7116.2	-1733.5	1666.6	1.00	250.00	2399.3	
7	10587.2	3.27	250.00	10116.0	-1792.2	1505.4	0.00	0.00	2340.6	BHL 1782'FSL, 1308'FEL, SEC.9



## **Directional**

### **Caerus Oil and Gas LLC**

**SEC.9-T5S-R96W**

**NPR G09 596 Pad Sec.9-T5S-R96W**

**NPR 24A-9 596**

**Wellbore #1**

**Plan: Plan #1 (1-15-18)**

### **Standard Planning Report**

**19 January, 2018**

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 24A-9 596
<b>Company:</b>	Caerus Oil and Gas LLC	<b>TVD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Project:</b>	SEC.9-T5S-R96W	<b>MD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Site:</b>	NPR G09 596 Pad Sec.9-T5S-R96W	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24A-9 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-15-18)		

<b>Project</b>	SEC.9-T5S-R96W, Garfield County, CO		
<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		Using Well Reference Point
<b>Map Zone:</b>	Zone 12N (114 W to 108 W)		Using geodetic scale factor

<b>Site</b>	NPR G09 596 Pad Sec.9-T5S-R96W				
<b>Site Position:</b>		<b>Northing:</b>	14,404,590.33 usft	<b>Latitude:</b>	39.632067
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,436,015.01 usft	<b>Longitude:</b>	-108.174492
<b>Position Uncertainty:</b>	0.0 ft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.80 °

<b>Well</b>	NPR 24A-9 596					
<b>Well Position</b>	<b>+N/-S</b>	36.1 ft	<b>Northing:</b>	14,404,629.63 usft	<b>Latitude:</b>	39.632166
	<b>+E/-W</b>	101.7 ft	<b>Easting:</b>	2,436,115.51 usft	<b>Longitude:</b>	-108.174131
<b>Position Uncertainty</b>		0.0 ft	<b>Wellhead Elevation:</b>	0.0 ft	<b>Ground Level:</b>	7,640.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	1/19/2018	9.63	65.85	51,503

<b>Design</b>	Plan #1 (1-15-18)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	139.97

<b>Plan Sections</b>										
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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,061.5	22.84	135.92	1,041.5	-107.6	104.2	3.00	3.00	0.00	135.92	
6,493.6	22.84	135.92	6,047.5	-1,622.7	1,571.2	0.00	0.00	0.00	0.00	
7,255.1	0.00	0.00	6,789.0	-1,730.3	1,675.4	3.00	-3.00	0.00	180.00	
7,582.5	3.27	250.00	7,116.2	-1,733.5	1,666.6	1.00	1.00	-33.61	250.00	
10,587.2	3.27	250.00	10,116.0	-1,792.2	1,505.4	0.00	0.00	0.00	0.00	BHL 1782'FSL, 1308'I

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 24A-9 596
<b>Company:</b>	Caerus Oil and Gas LLC	<b>TVD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Project:</b>	SEC.9-T5S-R96W	<b>MD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Site:</b>	NPR G09 596 Pad Sec.9-T5S-R96W	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24A-9 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-15-18)		

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	
1.0	0.00	0.00	1.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>SHL 1702'FNL, 2469'FWL, SEC.9</b>										
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	3.00	135.92	400.0	-1.9	1.8	2.6	3.00	3.00	0.00	
500.0	6.00	135.92	499.6	-7.5	7.3	10.4	3.00	3.00	0.00	
600.0	9.00	135.92	598.8	-16.9	16.4	23.5	3.00	3.00	0.00	
700.0	12.00	135.92	697.1	-30.0	29.0	41.6	3.00	3.00	0.00	
800.0	15.00	135.92	794.3	-46.8	45.3	64.9	3.00	3.00	0.00	
900.0	18.00	135.92	890.2	-67.2	65.0	93.2	3.00	3.00	0.00	
1,000.0	21.00	135.92	984.4	-91.1	88.2	126.5	3.00	3.00	0.00	
1,061.5	22.84	135.92	1,041.5	-107.6	104.2	149.4	3.00	3.00	0.00	
1,100.0	22.84	135.92	1,077.0	-118.4	114.6	164.3	0.00	0.00	0.00	
1,200.0	22.84	135.92	1,169.1	-146.3	141.6	203.1	0.00	0.00	0.00	
1,300.0	22.84	135.92	1,261.3	-174.1	168.6	241.8	0.00	0.00	0.00	
1,400.0	22.84	135.92	1,353.4	-202.0	195.6	280.5	0.00	0.00	0.00	
1,500.0	22.84	135.92	1,445.6	-229.9	222.6	319.3	0.00	0.00	0.00	
1,600.0	22.84	135.92	1,537.7	-257.8	249.6	358.0	0.00	0.00	0.00	
1,700.0	22.84	135.92	1,629.9	-285.7	276.6	396.7	0.00	0.00	0.00	
1,800.0	22.84	135.92	1,722.1	-313.6	303.6	435.4	0.00	0.00	0.00	
1,900.0	22.84	135.92	1,814.2	-341.5	330.7	474.2	0.00	0.00	0.00	
2,000.0	22.84	135.92	1,906.4	-369.4	357.7	512.9	0.00	0.00	0.00	
2,100.0	22.84	135.92	1,998.5	-397.3	384.7	551.6	0.00	0.00	0.00	
2,141.7	22.84	135.92	2,037.0	-408.9	395.9	567.8	0.00	0.00	0.00	
<b>WASATCH.MBL</b>										
2,200.0	22.84	135.92	2,090.7	-425.2	411.7	590.3	0.00	0.00	0.00	
2,300.0	22.84	135.92	2,182.8	-453.1	438.7	629.1	0.00	0.00	0.00	
2,400.0	22.84	135.92	2,275.0	-480.9	465.7	667.8	0.00	0.00	0.00	
2,500.0	22.84	135.92	2,367.2	-508.8	492.7	706.5	0.00	0.00	0.00	
2,600.0	22.84	135.92	2,459.3	-536.7	519.7	745.2	0.00	0.00	0.00	
2,644.2	22.84	135.92	2,500.0	-549.0	531.6	762.3	0.00	0.00	0.00	
<b>9 5/8"</b>										
2,700.0	22.84	135.92	2,551.5	-564.6	546.7	784.0	0.00	0.00	0.00	
2,800.0	22.84	135.92	2,643.6	-592.5	573.7	822.7	0.00	0.00	0.00	
2,900.0	22.84	135.92	2,735.8	-620.4	600.7	861.4	0.00	0.00	0.00	
3,000.0	22.84	135.92	2,827.9	-648.3	627.7	900.1	0.00	0.00	0.00	
3,100.0	22.84	135.92	2,920.1	-676.2	654.7	938.9	0.00	0.00	0.00	
3,200.0	22.84	135.92	3,012.2	-704.1	681.7	977.6	0.00	0.00	0.00	
3,300.0	22.84	135.92	3,104.4	-732.0	708.7	1,016.3	0.00	0.00	0.00	
3,400.0	22.84	135.92	3,196.6	-759.9	735.7	1,055.0	0.00	0.00	0.00	
3,500.0	22.84	135.92	3,288.7	-787.8	762.7	1,093.8	0.00	0.00	0.00	
3,600.0	22.84	135.92	3,380.9	-815.6	789.7	1,132.5	0.00	0.00	0.00	
3,700.0	22.84	135.92	3,473.0	-843.5	816.8	1,171.2	0.00	0.00	0.00	
3,800.0	22.84	135.92	3,565.2	-871.4	843.8	1,210.0	0.00	0.00	0.00	
3,900.0	22.84	135.92	3,657.3	-899.3	870.8	1,248.7	0.00	0.00	0.00	
4,000.0	22.84	135.92	3,749.5	-927.2	897.8	1,287.4	0.00	0.00	0.00	
4,100.0	22.84	135.92	3,841.7	-955.1	924.8	1,326.1	0.00	0.00	0.00	
4,200.0	22.84	135.92	3,933.8	-983.0	951.8	1,364.9	0.00	0.00	0.00	
4,300.0	22.84	135.92	4,026.0	-1,010.9	978.8	1,403.6	0.00	0.00	0.00	
4,400.0	22.84	135.92	4,118.1	-1,038.8	1,005.8	1,442.3	0.00	0.00	0.00	
4,500.0	22.84	135.92	4,210.3	-1,066.7	1,032.8	1,481.0	0.00	0.00	0.00	

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 24A-9 596
<b>Company:</b>	Caerus Oil and Gas LLC	<b>TVD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Project:</b>	SEC.9-T5S-R96W	<b>MD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Site:</b>	NPR G09 596 Pad Sec.9-T5S-R96W	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24A-9 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-15-18)		

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)	
4,600.0	22.84	135.92	4,302.4	-1,094.6	1,059.8	1,519.8	0.00	0.00	0.00	
4,700.0	22.84	135.92	4,394.6	-1,122.4	1,086.8	1,558.5	0.00	0.00	0.00	
4,746.0	22.84	135.92	4,437.0	-1,135.3	1,099.2	1,576.3	0.00	0.00	0.00	
<b>WASATCH_G_ZONE.MBL</b>										
4,800.0	22.84	135.92	4,486.7	-1,150.3	1,113.8	1,597.2	0.00	0.00	0.00	
4,900.0	22.84	135.92	4,578.9	-1,178.2	1,140.8	1,635.9	0.00	0.00	0.00	
5,000.0	22.84	135.92	4,671.1	-1,206.1	1,167.8	1,674.7	0.00	0.00	0.00	
5,100.0	22.84	135.92	4,763.2	-1,234.0	1,194.8	1,713.4	0.00	0.00	0.00	
5,173.6	22.84	135.92	4,831.0	-1,254.5	1,214.7	1,741.9	0.00	0.00	0.00	
<b>FORT_UNION.MBL</b>										
5,200.0	22.84	135.92	4,855.4	-1,261.9	1,221.8	1,752.1	0.00	0.00	0.00	
5,300.0	22.84	135.92	4,947.5	-1,289.8	1,248.8	1,790.8	0.00	0.00	0.00	
5,400.0	22.84	135.92	5,039.7	-1,317.7	1,275.9	1,829.6	0.00	0.00	0.00	
5,500.0	22.84	135.92	5,131.8	-1,345.6	1,302.9	1,868.3	0.00	0.00	0.00	
5,600.0	22.84	135.92	5,224.0	-1,373.5	1,329.9	1,907.0	0.00	0.00	0.00	
5,700.0	22.84	135.92	5,316.2	-1,401.4	1,356.9	1,945.7	0.00	0.00	0.00	
5,800.0	22.84	135.92	5,408.3	-1,429.2	1,383.9	1,984.5	0.00	0.00	0.00	
5,900.0	22.84	135.92	5,500.5	-1,457.1	1,410.9	2,023.2	0.00	0.00	0.00	
6,000.0	22.84	135.92	5,592.6	-1,485.0	1,437.9	2,061.9	0.00	0.00	0.00	
6,100.0	22.84	135.92	5,684.8	-1,512.9	1,464.9	2,100.7	0.00	0.00	0.00	
6,200.0	22.84	135.92	5,776.9	-1,540.8	1,491.9	2,139.4	0.00	0.00	0.00	
6,300.0	22.84	135.92	5,869.1	-1,568.7	1,518.9	2,178.1	0.00	0.00	0.00	
6,400.0	22.84	135.92	5,961.2	-1,596.6	1,545.9	2,216.8	0.00	0.00	0.00	
6,493.6	22.84	135.92	6,047.5	-1,622.7	1,571.2	2,253.1	0.00	0.00	0.00	
6,500.0	22.65	135.92	6,053.4	-1,624.5	1,572.9	2,255.5	3.00	-3.00	0.00	
6,600.0	19.65	135.92	6,146.7	-1,650.4	1,598.0	2,291.5	3.00	-3.00	0.00	
6,700.0	16.65	135.92	6,241.7	-1,672.8	1,619.7	2,322.6	3.00	-3.00	0.00	
6,800.0	13.65	135.92	6,338.2	-1,691.6	1,637.9	2,348.7	3.00	-3.00	0.00	
6,900.0	10.65	135.92	6,435.9	-1,706.7	1,652.5	2,369.7	3.00	-3.00	0.00	
7,000.0	7.65	135.92	6,534.6	-1,718.1	1,663.6	2,385.6	3.00	-3.00	0.00	
7,060.8	5.83	135.92	6,595.0	-1,723.2	1,668.5	2,392.7	3.00	-3.00	0.00	
<b>OHIO_CREEK.MBL</b>										
7,100.0	4.65	135.92	6,634.1	-1,725.8	1,671.0	2,396.2	3.00	-3.00	0.00	
7,200.0	1.65	135.92	6,733.9	-1,729.8	1,674.8	2,401.7	3.00	-3.00	0.00	
7,255.1	0.00	0.00	6,789.0	-1,730.3	1,675.4	2,402.5	3.00	-3.00	0.00	
7,300.0	0.45	250.00	6,833.9	-1,730.4	1,675.2	2,402.5	1.00	1.00	0.00	
7,305.1	0.50	250.00	6,839.0	-1,730.4	1,675.2	2,402.4	1.00	1.00	0.00	
<b>WILLIAMS_FORK.MBL</b>										
7,355.1	1.00	250.00	6,889.0	-1,730.6	1,674.6	2,402.2	1.00	1.00	0.00	
<b>TOP_GAS.MBL</b>										
7,400.0	1.45	250.00	6,933.9	-1,731.0	1,673.7	2,401.9	1.00	1.00	0.00	
7,500.0	2.45	250.00	7,033.8	-1,732.1	1,670.5	2,400.7	1.00	1.00	0.00	
7,582.5	3.27	250.00	7,116.2	-1,733.5	1,666.6	2,399.3	1.00	1.00	0.00	
7,600.0	3.27	250.00	7,133.7	-1,733.9	1,665.7	2,399.0	0.00	0.00	0.00	
7,700.0	3.27	250.00	7,233.5	-1,735.8	1,660.3	2,397.0	0.00	0.00	0.00	
7,800.0	3.27	250.00	7,333.4	-1,737.8	1,654.9	2,395.1	0.00	0.00	0.00	
7,900.0	3.27	250.00	7,433.2	-1,739.7	1,649.6	2,393.1	0.00	0.00	0.00	
8,000.0	3.27	250.00	7,533.0	-1,741.7	1,644.2	2,391.2	0.00	0.00	0.00	
8,100.0	3.27	250.00	7,632.9	-1,743.6	1,638.8	2,389.2	0.00	0.00	0.00	
8,200.0	3.27	250.00	7,732.7	-1,745.6	1,633.5	2,387.2	0.00	0.00	0.00	
8,300.0	3.27	250.00	7,832.5	-1,747.5	1,628.1	2,385.3	0.00	0.00	0.00	
8,400.0	3.27	250.00	7,932.4	-1,749.5	1,622.7	2,383.3	0.00	0.00	0.00	
8,500.0	3.27	250.00	8,032.2	-1,751.4	1,617.4	2,381.4	0.00	0.00	0.00	
8,600.0	3.27	250.00	8,132.0	-1,753.4	1,612.0	2,379.4	0.00	0.00	0.00	

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 24A-9 596
<b>Company:</b>	Caerus Oil and Gas LLC	<b>TVD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Project:</b>	SEC.9-T5S-R96W	<b>MD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Site:</b>	NPR G09 596 Pad Sec.9-T5S-R96W	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24A-9 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-15-18)		

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)
8,700.0	3.27	250.00	8,231.9	-1,755.4	1,606.7	2,377.5	0.00	0.00	0.00
8,800.0	3.27	250.00	8,331.7	-1,757.3	1,601.3	2,375.5	0.00	0.00	0.00
8,900.0	3.27	250.00	8,431.6	-1,759.3	1,595.9	2,373.6	0.00	0.00	0.00
9,000.0	3.27	250.00	8,531.4	-1,761.2	1,590.6	2,371.6	0.00	0.00	0.00
9,100.0	3.27	250.00	8,631.2	-1,763.2	1,585.2	2,369.6	0.00	0.00	0.00
9,200.0	3.27	250.00	8,731.1	-1,765.1	1,579.8	2,367.7	0.00	0.00	0.00
9,300.0	3.27	250.00	8,830.9	-1,767.1	1,574.5	2,365.7	0.00	0.00	0.00
9,400.0	3.27	250.00	8,930.7	-1,769.0	1,569.1	2,363.8	0.00	0.00	0.00
9,500.0	3.27	250.00	9,030.6	-1,771.0	1,563.7	2,361.8	0.00	0.00	0.00
9,600.0	3.27	250.00	9,130.4	-1,772.9	1,558.4	2,359.9	0.00	0.00	0.00
9,700.0	3.27	250.00	9,230.3	-1,774.9	1,553.0	2,357.9	0.00	0.00	0.00
9,800.0	3.27	250.00	9,330.1	-1,776.8	1,547.6	2,356.0	0.00	0.00	0.00
9,800.9	3.27	250.00	9,331.0	-1,776.9	1,547.6	2,355.9	0.00	0.00	0.00
<b>CAMEO.MBL</b>									
9,900.0	3.27	250.00	9,429.9	-1,778.8	1,542.3	2,354.0	0.00	0.00	0.00
10,000.0	3.27	250.00	9,529.8	-1,780.7	1,536.9	2,352.0	0.00	0.00	0.00
10,100.0	3.27	250.00	9,629.6	-1,782.7	1,531.5	2,350.1	0.00	0.00	0.00
10,200.0	3.27	250.00	9,729.4	-1,784.7	1,526.2	2,348.1	0.00	0.00	0.00
10,300.0	3.27	250.00	9,829.3	-1,786.6	1,520.8	2,346.2	0.00	0.00	0.00
10,400.0	3.27	250.00	9,929.1	-1,788.6	1,515.4	2,344.2	0.00	0.00	0.00
10,411.9	3.27	250.00	9,941.0	-1,788.8	1,514.8	2,344.0	0.00	0.00	0.00
<b>ROLLINS.MBL</b>									
10,500.0	3.27	250.00	10,028.9	-1,790.5	1,510.1	2,342.3	0.00	0.00	0.00
10,587.2	3.27	250.00	10,116.0	-1,792.2	1,505.4	2,340.6	0.00	0.00	0.00
<b>TD.MBL - BHL 1782'FSL, 1308'FEL, SEC.9</b>									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL 1702'FNL, 2469'FW - hit/miss target center - Shape - Point	0.00	0.00	1.0	0.0	0.0	14,404,629.63	2,436,115.51	39.632166	-108.174131
BHL 1782'FSL, 1308'FEI - plan hits target center - Ellipse (radii L200.0 W100.0 on 250.00 azi)	0.00	0.00	10,116.0	-1,792.2	1,505.4	14,402,885.11	2,437,677.07	39.627246	-108.168787

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
2,644.2	2,500.0	9 5/8"	9-5/8	12-1/4	

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 24A-9 596
<b>Company:</b>	Caerus Oil and Gas LLC	<b>TVD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Project:</b>	SEC.9-T5S-R96W	<b>MD Reference:</b>	WELL @ 7670.0ft (Original Well Elev)
<b>Site:</b>	NPR G09 596 Pad Sec.9-T5S-R96W	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24A-9 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 (1-15-18)		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,141.7	2,037.0	WASATCH.MBL		0.00		
4,746.0	4,437.0	WASATCH_G_ZONE.MBL		0.00		
5,173.6	4,831.0	FORT_UNION.MBL		0.00		
7,060.8	6,595.0	OHIO_CREEK.MBL		0.00		
7,305.1	6,839.0	WILLIAMS_FORK.MBL		0.00		
7,355.1	6,889.0	TOP_GAS.MBL		0.00		
9,800.9	9,331.0	CAMEO.MBL		0.00		
10,411.9	9,941.0	ROLLINS.MBL		0.00		
10,587.2	10,116.0	TD.MBL		0.00		