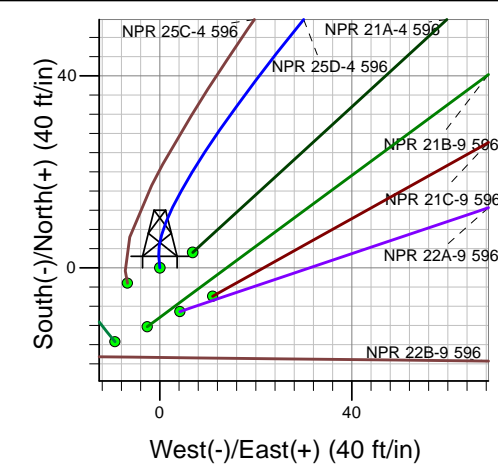
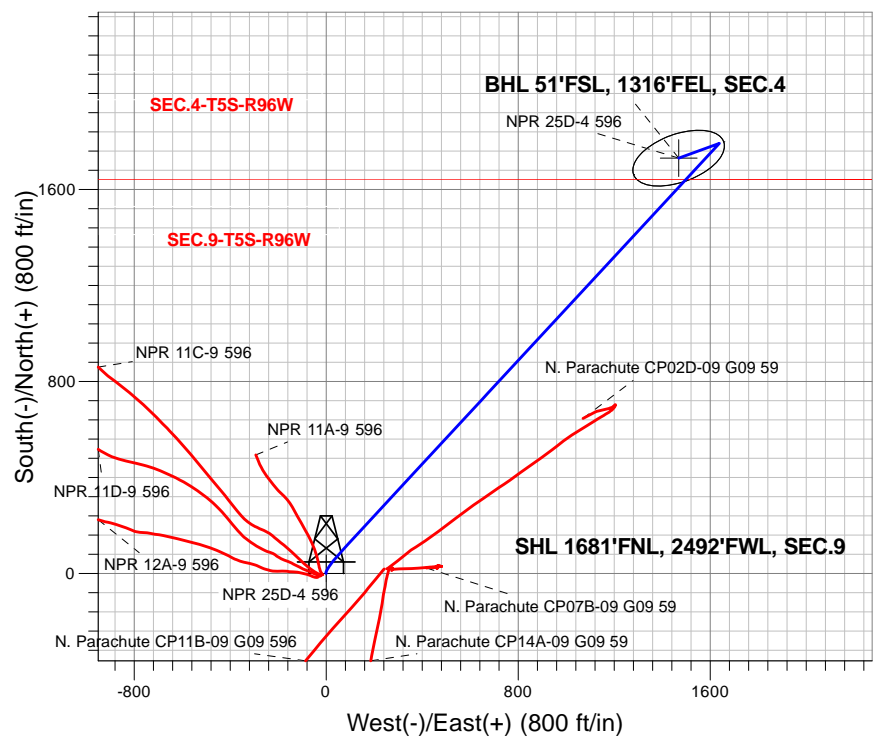
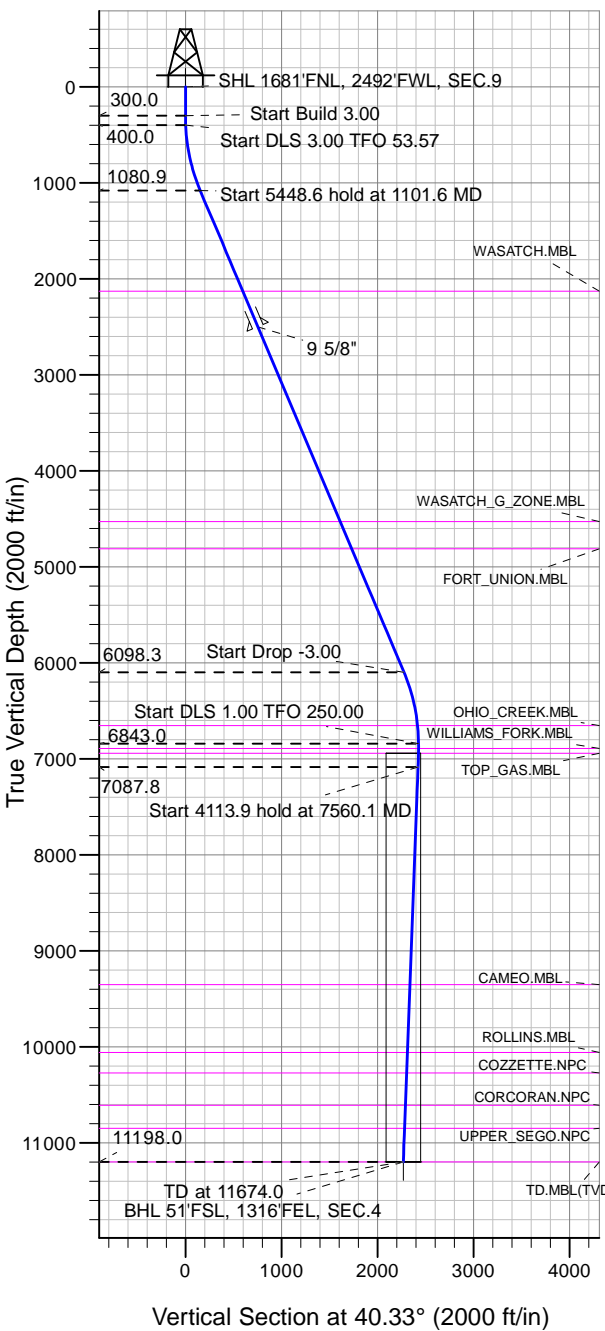


### Caerus Oil and Gas LLC



NPR 25D-4 596  
 Plan #3 (1-22-19)  
 18:27, January 22 2019

Azimuths to True North  
 Magnetic North: 9.53°  
 Magnetic Field  
 Strength: 51387.4snT  
 Dip Angle: 65.80°  
 Date: 1/22/2019  
 Model: HDGM

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
SHL 1681'FNL, 2492'FWL, SEC.9	1.0	0.0	0.0	39.632226	-108.174049	Point
BHL 51'FSL, 1316'FEL, SEC.4	11198.0	1730.0	1468.8	39.636975	-108.168834	Ellipse (Radii: L200.0 W100.0)

#### 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	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	400.0	3.00	355.00	400.0	2.6	-0.2	3.00	355.00	1.8	
4	1101.6	22.95	42.82	1080.9	122.6	92.2	3.00	53.57	153.1	
5	6550.2	22.95	42.82	6098.3	1681.0	1536.2	0.00	0.00	2275.7	
6	7315.2	0.00	0.00	6843.0	1791.9	1638.9	3.00	180.00	2426.7	
7	7560.1	2.45	250.00	7087.8	1790.1	1634.0	1.00	250.00	2422.2	
8	11674.0	2.45	250.00	11198.0	1730.0	1468.8	0.00	0.00	2269.4	BHL 51'FSL, 1316'FEL, SEC.4



## Directional

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

**SEC.9-T5S-R96W**

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

**NPR 25D-4 596**

**NPR 25D-4 596 Wellbore #1**

**Plan: Plan #3 (1-22-19)**

### **Standard Planning Report**

**22 January, 2019**

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 25D-4 596
<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 25D-4 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	NPR 25D-4 596 Wellbore #1		
<b>Design:</b>	Plan #3 (1-22-19)		

<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 25D-4 596					
<b>Well Position</b>	<b>+N/-S</b>	57.8 ft	<b>Northing:</b>	14,404,652.09 usft	<b>Latitude:</b>	39.632226
	<b>+E/-W</b>	124.7 ft	<b>Easting:</b>	2,436,137.86 usft	<b>Longitude:</b>	-108.174049
<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>	NPR 25D-4 596 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	1/22/2019	9.53	65.80	51,387

<b>Design</b>	Plan #3 (1-22-19)			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<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	40.33

<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	
400.0	3.00	355.00	400.0	2.6	-0.2	3.00	3.00	0.00	355.00	
1,101.6	22.95	42.82	1,080.9	122.6	92.2	3.00	2.84	6.82	53.57	
6,550.2	22.95	42.82	6,098.3	1,681.0	1,536.2	0.00	0.00	0.00	0.00	
7,315.2	0.00	0.00	6,843.0	1,791.9	1,638.9	3.00	-3.00	0.00	180.00	
7,560.1	2.45	250.00	7,087.8	1,790.1	1,634.0	1.00	1.00	-44.92	250.00	
11,674.0	2.45	250.00	11,198.0	1,730.0	1,468.8	0.00	0.00	0.00	0.00	BHL 51°FSL, 1316°FE

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 25D-4 596
<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 25D-4 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	NPR 25D-4 596 Wellbore #1		
<b>Design:</b>	Plan #3 (1-22-19)		

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	3.00	355.00	400.0	2.6	-0.2	1.8	3.00	3.00	0.00
500.0	5.36	21.81	499.7	9.5	1.3	8.1	3.00	2.36	26.81
600.0	8.15	31.41	599.0	19.9	6.7	19.5	3.00	2.79	9.59
700.0	11.05	36.06	697.6	33.7	16.0	36.1	3.00	2.90	4.66
800.0	13.99	38.79	795.2	50.9	29.3	57.7	3.00	2.94	2.73
900.0	16.95	40.58	891.6	71.4	46.3	84.4	3.00	2.96	1.79
1,000.0	19.92	41.85	986.4	95.2	67.2	116.0	3.00	2.97	1.27
1,100.0	22.90	42.80	1,079.5	122.1	91.8	152.5	3.00	2.98	0.95
1,101.6	22.95	42.82	1,080.9	122.6	92.2	153.1	3.00	2.98	0.83
1,200.0	22.95	42.82	1,171.6	150.7	118.3	191.4	0.00	0.00	0.00
1,300.0	22.95	42.82	1,263.7	179.3	144.8	230.4	0.00	0.00	0.00
1,400.0	22.95	42.82	1,355.8	207.9	171.3	269.4	0.00	0.00	0.00
1,500.0	22.95	42.82	1,447.8	236.5	197.8	308.3	0.00	0.00	0.00
1,600.0	22.95	42.82	1,539.9	265.1	224.3	347.3	0.00	0.00	0.00
1,700.0	22.95	42.82	1,632.0	293.7	250.8	386.2	0.00	0.00	0.00
1,800.0	22.95	42.82	1,724.1	322.3	277.3	425.2	0.00	0.00	0.00
1,900.0	22.95	42.82	1,816.2	351.0	303.8	464.1	0.00	0.00	0.00
2,000.0	22.95	42.82	1,908.3	379.6	330.3	503.1	0.00	0.00	0.00
2,100.0	22.95	42.82	2,000.4	408.2	356.8	542.1	0.00	0.00	0.00
2,200.0	22.95	42.82	2,092.4	436.8	383.3	581.0	0.00	0.00	0.00
2,239.7	22.95	42.82	2,129.0	448.1	393.8	596.5	0.00	0.00	0.00
<b>WASATCH.MBL</b>									
2,300.0	22.95	42.82	2,184.5	465.4	409.8	620.0	0.00	0.00	0.00
2,400.0	22.95	42.82	2,276.6	494.0	436.3	658.9	0.00	0.00	0.00
2,500.0	22.95	42.82	2,368.7	522.6	462.8	697.9	0.00	0.00	0.00
2,600.0	22.95	42.82	2,460.8	551.2	489.3	736.8	0.00	0.00	0.00
2,642.6	22.95	42.82	2,500.0	563.3	500.6	753.4	0.00	0.00	0.00
<b>9 5/8"</b>									
2,700.0	22.95	42.82	2,552.9	579.8	515.8	775.8	0.00	0.00	0.00
2,800.0	22.95	42.82	2,644.9	608.4	542.3	814.7	0.00	0.00	0.00
2,900.0	22.95	42.82	2,737.0	637.0	568.8	853.7	0.00	0.00	0.00
3,000.0	22.95	42.82	2,829.1	665.6	595.3	892.7	0.00	0.00	0.00
3,100.0	22.95	42.82	2,921.2	694.2	621.8	931.6	0.00	0.00	0.00
3,200.0	22.95	42.82	3,013.3	722.8	648.3	970.6	0.00	0.00	0.00
3,300.0	22.95	42.82	3,105.4	751.4	674.8	1,009.5	0.00	0.00	0.00
3,400.0	22.95	42.82	3,197.5	780.0	701.3	1,048.5	0.00	0.00	0.00
3,500.0	22.95	42.82	3,289.5	808.6	727.8	1,087.4	0.00	0.00	0.00
3,600.0	22.95	42.82	3,381.6	837.2	754.3	1,126.4	0.00	0.00	0.00
3,700.0	22.95	42.82	3,473.7	865.8	780.8	1,165.3	0.00	0.00	0.00
3,800.0	22.95	42.82	3,565.8	894.4	807.3	1,204.3	0.00	0.00	0.00
3,900.0	22.95	42.82	3,657.9	923.0	833.8	1,243.3	0.00	0.00	0.00
4,000.0	22.95	42.82	3,750.0	951.6	860.3	1,282.2	0.00	0.00	0.00
4,100.0	22.95	42.82	3,842.0	980.2	886.8	1,321.2	0.00	0.00	0.00
4,200.0	22.95	42.82	3,934.1	1,008.8	913.3	1,360.1	0.00	0.00	0.00
4,300.0	22.95	42.82	4,026.2	1,037.4	939.8	1,399.1	0.00	0.00	0.00
4,400.0	22.95	42.82	4,118.3	1,066.0	966.3	1,438.0	0.00	0.00	0.00
4,500.0	22.95	42.82	4,210.4	1,094.6	992.8	1,477.0	0.00	0.00	0.00
4,600.0	22.95	42.82	4,302.5	1,123.2	1,019.3	1,516.0	0.00	0.00	0.00
4,700.0	22.95	42.82	4,394.6	1,151.8	1,045.8	1,554.9	0.00	0.00	0.00
4,800.0	22.95	42.82	4,486.6	1,180.4	1,072.3	1,593.9	0.00	0.00	0.00

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 25D-4 596
<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 25D-4 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	NPR 25D-4 596 Wellbore #1		
<b>Design:</b>	Plan #3 (1-22-19)		

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)	
4,846.0	22.95	42.82	4,529.0	1,193.6	1,084.5	1,611.8	0.00	0.00	0.00	
<b>WASATCH_G_ZONE.MBL</b>										
4,900.0	22.95	42.82	4,578.7	1,209.0	1,098.8	1,632.8	0.00	0.00	0.00	
5,000.0	22.95	42.82	4,670.8	1,237.6	1,125.3	1,671.8	0.00	0.00	0.00	
5,100.0	22.95	42.82	4,762.9	1,266.2	1,151.8	1,710.7	0.00	0.00	0.00	
5,154.4	22.95	42.82	4,813.0	1,281.8	1,166.3	1,731.9	0.00	0.00	0.00	
<b>FORT_UNION.MBL</b>										
5,200.0	22.95	42.82	4,855.0	1,294.8	1,178.3	1,749.7	0.00	0.00	0.00	
5,300.0	22.95	42.82	4,947.1	1,323.4	1,204.8	1,788.6	0.00	0.00	0.00	
5,400.0	22.95	42.82	5,039.1	1,352.0	1,231.3	1,827.6	0.00	0.00	0.00	
5,500.0	22.95	42.82	5,131.2	1,380.6	1,257.8	1,866.6	0.00	0.00	0.00	
5,600.0	22.95	42.82	5,223.3	1,409.2	1,284.3	1,905.5	0.00	0.00	0.00	
5,700.0	22.95	42.82	5,315.4	1,437.8	1,310.8	1,944.5	0.00	0.00	0.00	
5,800.0	22.95	42.82	5,407.5	1,466.4	1,337.3	1,983.4	0.00	0.00	0.00	
5,900.0	22.95	42.82	5,499.6	1,495.0	1,363.8	2,022.4	0.00	0.00	0.00	
6,000.0	22.95	42.82	5,591.7	1,523.6	1,390.3	2,061.3	0.00	0.00	0.00	
6,100.0	22.95	42.82	5,683.7	1,552.2	1,416.8	2,100.3	0.00	0.00	0.00	
6,200.0	22.95	42.82	5,775.8	1,580.8	1,443.3	2,139.2	0.00	0.00	0.00	
6,300.0	22.95	42.82	5,867.9	1,609.4	1,469.8	2,178.2	0.00	0.00	0.00	
6,400.0	22.95	42.82	5,960.0	1,638.1	1,496.4	2,217.2	0.00	0.00	0.00	
6,500.0	22.95	42.82	6,052.1	1,666.7	1,522.9	2,256.1	0.00	0.00	0.00	
6,550.2	22.95	42.82	6,098.3	1,681.0	1,536.2	2,275.7	0.00	0.00	0.00	
6,600.0	21.46	42.82	6,144.4	1,694.8	1,548.9	2,294.5	3.00	-3.00	0.00	
6,700.0	18.46	42.82	6,238.4	1,719.8	1,572.1	2,328.6	3.00	-3.00	0.00	
6,800.0	15.46	42.82	6,334.0	1,741.2	1,592.0	2,357.7	3.00	-3.00	0.00	
6,900.0	12.46	42.82	6,431.1	1,758.9	1,608.3	2,381.8	3.00	-3.00	0.00	
7,000.0	9.46	42.82	6,529.2	1,772.9	1,621.3	2,400.8	3.00	-3.00	0.00	
7,100.0	6.46	42.82	6,628.3	1,783.0	1,630.7	2,414.6	3.00	-3.00	0.00	
7,125.9	5.68	42.82	6,654.0	1,785.0	1,632.5	2,417.3	3.00	-3.00	0.00	
<b>OHIO_CREEK.MBL</b>										
7,200.0	3.46	42.82	6,727.9	1,789.4	1,636.5	2,423.2	3.00	-3.00	0.00	
7,300.0	0.46	42.82	6,827.8	1,791.9	1,638.9	2,426.6	3.00	-3.00	0.00	
7,315.2	0.00	0.00	6,843.0	1,791.9	1,638.9	2,426.7	3.00	-3.00	0.00	
7,365.2	0.50	250.00	6,893.0	1,791.8	1,638.7	2,426.5	1.00	1.00	0.00	
<b>WILLIAMS_FORK.MBL</b>										
7,400.0	0.85	250.00	6,927.8	1,791.7	1,638.3	2,426.2	1.00	1.00	0.00	
7,415.2	1.00	250.00	6,943.0	1,791.6	1,638.1	2,425.9	1.00	1.00	0.00	
<b>TOP_GAS.MBL</b>										
7,500.0	1.85	250.00	7,027.8	1,790.9	1,636.1	2,424.1	1.00	1.00	0.00	
7,560.1	2.45	250.00	7,087.8	1,790.1	1,634.0	2,422.2	1.00	1.00	0.00	
7,600.0	2.45	250.00	7,127.7	1,789.5	1,632.4	2,420.7	0.00	0.00	0.00	
7,700.0	2.45	250.00	7,227.6	1,788.1	1,628.4	2,417.0	0.00	0.00	0.00	
7,800.0	2.45	250.00	7,327.5	1,786.6	1,624.3	2,413.2	0.00	0.00	0.00	
7,900.0	2.45	250.00	7,427.4	1,785.1	1,620.3	2,409.5	0.00	0.00	0.00	
8,000.0	2.45	250.00	7,527.3	1,783.7	1,616.3	2,405.8	0.00	0.00	0.00	
8,100.0	2.45	250.00	7,627.2	1,782.2	1,612.3	2,402.1	0.00	0.00	0.00	
8,200.0	2.45	250.00	7,727.1	1,780.8	1,608.3	2,398.4	0.00	0.00	0.00	
8,300.0	2.45	250.00	7,827.1	1,779.3	1,604.3	2,394.7	0.00	0.00	0.00	
8,400.0	2.45	250.00	7,927.0	1,777.8	1,600.3	2,391.0	0.00	0.00	0.00	
8,500.0	2.45	250.00	8,026.9	1,776.4	1,596.2	2,387.3	0.00	0.00	0.00	
8,600.0	2.45	250.00	8,126.8	1,774.9	1,592.2	2,383.5	0.00	0.00	0.00	
8,700.0	2.45	250.00	8,226.7	1,773.4	1,588.2	2,379.8	0.00	0.00	0.00	
8,800.0	2.45	250.00	8,326.6	1,772.0	1,584.2	2,376.1	0.00	0.00	0.00	

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 25D-4 596
<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 25D-4 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	NPR 25D-4 596 Wellbore #1		
<b>Design:</b>	Plan #3 (1-22-19)		

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)	
8,900.0	2.45	250.00	8,426.5	1,770.5	1,580.2	2,372.4	0.00	0.00	0.00	
9,000.0	2.45	250.00	8,526.4	1,769.1	1,576.2	2,368.7	0.00	0.00	0.00	
9,100.0	2.45	250.00	8,626.3	1,767.6	1,572.2	2,365.0	0.00	0.00	0.00	
9,200.0	2.45	250.00	8,726.2	1,766.1	1,568.1	2,361.3	0.00	0.00	0.00	
9,300.0	2.45	250.00	8,826.1	1,764.7	1,564.1	2,357.5	0.00	0.00	0.00	
9,400.0	2.45	250.00	8,926.1	1,763.2	1,560.1	2,353.8	0.00	0.00	0.00	
9,500.0	2.45	250.00	9,026.0	1,761.8	1,556.1	2,350.1	0.00	0.00	0.00	
9,600.0	2.45	250.00	9,125.9	1,760.3	1,552.1	2,346.4	0.00	0.00	0.00	
9,700.0	2.45	250.00	9,225.8	1,758.8	1,548.1	2,342.7	0.00	0.00	0.00	
9,800.0	2.45	250.00	9,325.7	1,757.4	1,544.0	2,339.0	0.00	0.00	0.00	
9,827.3	2.45	250.00	9,353.0	1,757.0	1,542.9	2,338.0	0.00	0.00	0.00	
<b>CAMEO.MBL</b>										
9,900.0	2.45	250.00	9,425.6	1,755.9	1,540.0	2,335.3	0.00	0.00	0.00	
10,000.0	2.45	250.00	9,525.5	1,754.4	1,536.0	2,331.6	0.00	0.00	0.00	
10,100.0	2.45	250.00	9,625.4	1,753.0	1,532.0	2,327.8	0.00	0.00	0.00	
10,200.0	2.45	250.00	9,725.3	1,751.5	1,528.0	2,324.1	0.00	0.00	0.00	
10,300.0	2.45	250.00	9,825.2	1,750.1	1,524.0	2,320.4	0.00	0.00	0.00	
10,400.0	2.45	250.00	9,925.1	1,748.6	1,520.0	2,316.7	0.00	0.00	0.00	
10,500.0	2.45	250.00	10,025.0	1,747.1	1,515.9	2,313.0	0.00	0.00	0.00	
10,533.0	2.45	250.00	10,058.0	1,746.7	1,514.6	2,311.8	0.00	0.00	0.00	
<b>ROLLINS.MBL</b>										
10,600.0	2.45	250.00	10,125.0	1,745.7	1,511.9	2,309.3	0.00	0.00	0.00	
10,700.0	2.45	250.00	10,224.9	1,744.2	1,507.9	2,305.6	0.00	0.00	0.00	
10,748.2	2.45	250.00	10,273.0	1,743.5	1,506.0	2,303.8	0.00	0.00	0.00	
<b>COZZETTE.NPC</b>										
10,800.0	2.45	250.00	10,324.8	1,742.8	1,503.9	2,301.9	0.00	0.00	0.00	
10,900.0	2.45	250.00	10,424.7	1,741.3	1,499.9	2,298.1	0.00	0.00	0.00	
11,000.0	2.45	250.00	10,524.6	1,739.8	1,495.9	2,294.4	0.00	0.00	0.00	
11,083.5	2.45	250.00	10,608.0	1,738.6	1,492.5	2,291.3	0.00	0.00	0.00	
<b>CORCORAN.NPC</b>										
11,100.0	2.45	250.00	10,624.5	1,738.4	1,491.8	2,290.7	0.00	0.00	0.00	
11,200.0	2.45	250.00	10,724.4	1,736.9	1,487.8	2,287.0	0.00	0.00	0.00	
11,300.0	2.45	250.00	10,824.3	1,735.4	1,483.8	2,283.3	0.00	0.00	0.00	
11,323.7	2.45	250.00	10,848.0	1,735.1	1,482.9	2,282.4	0.00	0.00	0.00	
<b>UPPER_SEGO.NPC</b>										
11,400.0	2.45	250.00	10,924.2	1,734.0	1,479.8	2,279.6	0.00	0.00	0.00	
11,500.0	2.45	250.00	11,024.1	1,732.5	1,475.8	2,275.9	0.00	0.00	0.00	
11,600.0	2.45	250.00	11,124.0	1,731.1	1,471.8	2,272.2	0.00	0.00	0.00	
11,674.0	2.45	250.00	11,198.0	1,730.0	1,468.8	2,269.4	0.00	0.00	0.00	
<b>TD.MBL(TVD)</b>										

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 25D-4 596
<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 25D-4 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	NPR 25D-4 596 Wellbore #1		
<b>Design:</b>	Plan #3 (1-22-19)		

Design Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(usft)	(usft)			
- Shape										
SHL 1681'FNL, 2492'FW - plan hits target center - Point	0.00	0.00	1.0	0.0	0.0	14,404,652.09	2,436,137.86	39.632226	-108.174049	
BHL 51'FSL, 1316'FEL, : - plan hits target center - Ellipse (radii L200.0 W100.0 on 250.00 azi)	0.00	0.00	11,198.0	1,730.0	1,468.8	14,406,428.01	2,437,551.94	39.636975	-108.168834	

Casing Points					
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter	
(ft)	(ft)		(")	(")	
2,642.6	2,500.0	9 5/8"	9-5/8	12-1/4	

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(ft)	(ft)			(°)	(°)	
2,239.7	2,129.0	WASATCH.MBL		0.00		
4,846.0	4,529.0	WASATCH_G_ZONE.MBL		0.00		
5,154.4	4,813.0	FORT_UNION.MBL		0.00		
7,125.9	6,654.0	OHIO_CREEK.MBL		0.00		
7,365.2	6,893.0	WILLIAMS_FORK.MBL		0.00		
7,415.2	6,943.0	TOP_GAS.MBL		0.00		
9,827.3	9,353.0	CAMEO.MBL		0.00		
10,533.0	10,058.0	ROLLINS.MBL		0.00		
10,748.2	10,273.0	COZZETTE.NPC		0.00		
11,083.5	10,608.0	CORCORAN.NPC		0.00		
11,323.7	10,848.0	UPPER_SEGO.NPC		0.00		
11,674.0	11,198.0	TD.MBL(TVD)		0.00		