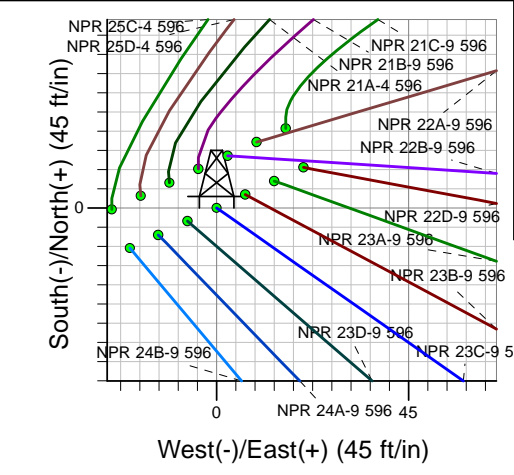
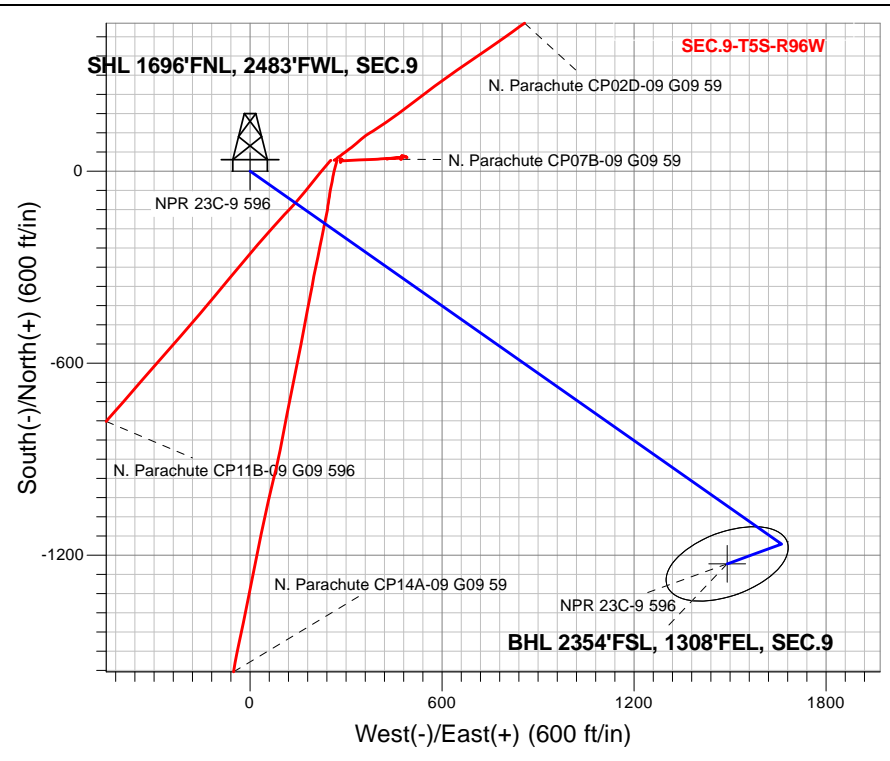
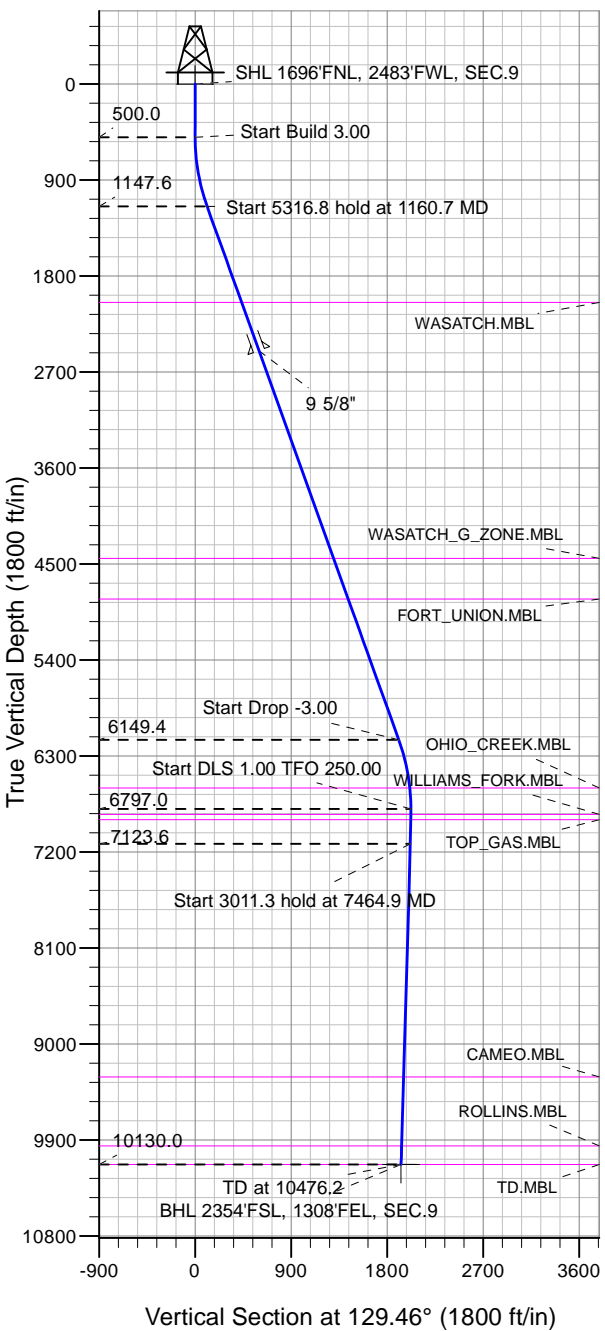


### Caerus Oil and Gas LLC



NPR 23C-9 596  
 Plan #1 (1-15-18)  
 10:57, 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 1696'FNL, 2483'FWL, SEC.9	1.0	0.0	0.0	39.632184	-108.174082	Point
BHL 2354'FSL, 1308'FEL, SEC.9	10130.0	-1227.2	1490.9	39.628814	-108.168789	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	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1160.7	19.82	125.05	1147.6	-65.0	92.6	3.00	125.05	112.8	
4	6477.5	19.82	125.05	6149.4	-1100.4	1568.4	0.00	0.00	1910.2	
5	7138.1	0.00	0.00	6797.0	-1165.3	1661.0	3.00	180.00	2023.0	
6	7464.9	3.27	250.00	7123.6	-1168.5	1652.2	1.00	250.00	2018.3	
7	10476.2	3.27	250.00	10130.0	-1227.2	1490.9	0.00	0.00	1931.1	BHL 2354'FSL, 1308'FEL, SEC.9



## **Directional**

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

**SEC.9-T5S-R96W**

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

**NPR 23C-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 23C-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 23C-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 23C-9 596					
<b>Well Position</b>	<b>+N/-S</b>	42.4 ft	<b>Northing:</b>	14,404,636.39 usft	<b>Latitude:</b>	39.632184
	<b>+E/-W</b>	115.3 ft	<b>Easting:</b>	2,436,128.97 usft	<b>Longitude:</b>	-108.174082
<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	129.46

<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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,160.7	19.82	125.05	1,147.6	-65.0	92.6	3.00	3.00	0.00	125.05	
6,477.5	19.82	125.05	6,149.4	-1,100.4	1,568.4	0.00	0.00	0.00	0.00	
7,138.1	0.00	0.00	6,797.0	-1,165.3	1,661.0	3.00	-3.00	0.00	180.00	
7,464.9	3.27	250.00	7,123.6	-1,168.5	1,652.2	1.00	1.00	-33.66	250.00	
10,476.2	3.27	250.00	10,130.0	-1,227.2	1,490.9	0.00	0.00	0.00	0.00	BHL 2354'FSL, 1308'I

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 23C-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 23C-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 1696'FNL, 2483'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	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	3.00	125.05	600.0	-1.5	2.1	2.6	3.00	3.00	0.00	
700.0	6.00	125.05	699.6	-6.0	8.6	10.4	3.00	3.00	0.00	
800.0	9.00	125.05	798.8	-13.5	19.2	23.4	3.00	3.00	0.00	
900.0	12.00	125.05	897.1	-24.0	34.2	41.6	3.00	3.00	0.00	
1,000.0	15.00	125.05	994.3	-37.4	53.3	64.9	3.00	3.00	0.00	
1,100.0	18.00	125.05	1,090.2	-53.7	76.5	93.2	3.00	3.00	0.00	
1,160.7	19.82	125.05	1,147.6	-65.0	92.6	112.8	3.00	3.00	0.00	
1,200.0	19.82	125.05	1,184.6	-72.6	103.5	126.1	0.00	0.00	0.00	
1,300.0	19.82	125.05	1,278.6	-92.1	131.3	159.9	0.00	0.00	0.00	
1,400.0	19.82	125.05	1,372.7	-111.6	159.0	193.7	0.00	0.00	0.00	
1,500.0	19.82	125.05	1,466.8	-131.1	186.8	227.5	0.00	0.00	0.00	
1,600.0	19.82	125.05	1,560.9	-150.5	214.6	261.3	0.00	0.00	0.00	
1,700.0	19.82	125.05	1,655.0	-170.0	242.3	295.1	0.00	0.00	0.00	
1,800.0	19.82	125.05	1,749.0	-189.5	270.1	328.9	0.00	0.00	0.00	
1,900.0	19.82	125.05	1,843.1	-209.0	297.8	362.7	0.00	0.00	0.00	
2,000.0	19.82	125.05	1,937.2	-228.4	325.6	396.5	0.00	0.00	0.00	
2,100.0	19.82	125.05	2,031.3	-247.9	353.3	430.4	0.00	0.00	0.00	
2,117.8	19.82	125.05	2,048.0	-251.4	358.3	436.4	0.00	0.00	0.00	
<b>WASATCH.MBL</b>										
2,200.0	19.82	125.05	2,125.3	-267.4	381.1	464.2	0.00	0.00	0.00	
2,300.0	19.82	125.05	2,219.4	-286.8	408.9	498.0	0.00	0.00	0.00	
2,400.0	19.82	125.05	2,313.5	-306.3	436.6	531.8	0.00	0.00	0.00	
2,500.0	19.82	125.05	2,407.6	-325.8	464.4	565.6	0.00	0.00	0.00	
2,598.3	19.82	125.05	2,500.0	-344.9	491.6	598.8	0.00	0.00	0.00	
<b>9 5/8"</b>										
2,600.0	19.82	125.05	2,501.6	-345.3	492.1	599.4	0.00	0.00	0.00	
2,700.0	19.82	125.05	2,595.7	-364.7	519.9	633.2	0.00	0.00	0.00	
2,800.0	19.82	125.05	2,689.8	-384.2	547.6	667.0	0.00	0.00	0.00	
2,900.0	19.82	125.05	2,783.9	-403.7	575.4	700.8	0.00	0.00	0.00	
3,000.0	19.82	125.05	2,877.9	-423.2	603.2	734.6	0.00	0.00	0.00	
3,100.0	19.82	125.05	2,972.0	-442.6	630.9	768.4	0.00	0.00	0.00	
3,200.0	19.82	125.05	3,066.1	-462.1	658.7	802.2	0.00	0.00	0.00	
3,300.0	19.82	125.05	3,160.2	-481.6	686.4	836.0	0.00	0.00	0.00	
3,400.0	19.82	125.05	3,254.3	-501.1	714.2	869.8	0.00	0.00	0.00	
3,500.0	19.82	125.05	3,348.3	-520.5	741.9	903.6	0.00	0.00	0.00	
3,600.0	19.82	125.05	3,442.4	-540.0	769.7	937.5	0.00	0.00	0.00	
3,700.0	19.82	125.05	3,536.5	-559.5	797.4	971.3	0.00	0.00	0.00	
3,800.0	19.82	125.05	3,630.6	-579.0	825.2	1,005.1	0.00	0.00	0.00	
3,900.0	19.82	125.05	3,724.6	-598.4	853.0	1,038.9	0.00	0.00	0.00	
4,000.0	19.82	125.05	3,818.7	-617.9	880.7	1,072.7	0.00	0.00	0.00	
4,100.0	19.82	125.05	3,912.8	-637.4	908.5	1,106.5	0.00	0.00	0.00	
4,200.0	19.82	125.05	4,006.9	-656.8	936.2	1,140.3	0.00	0.00	0.00	
4,300.0	19.82	125.05	4,100.9	-676.3	964.0	1,174.1	0.00	0.00	0.00	
4,400.0	19.82	125.05	4,195.0	-695.8	991.7	1,207.9	0.00	0.00	0.00	
4,500.0	19.82	125.05	4,289.1	-715.3	1,019.5	1,241.7	0.00	0.00	0.00	

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 23C-9 596
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<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 23C-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	19.82	125.05	4,383.2	-734.7	1,047.3	1,275.5	0.00	0.00	0.00	
4,668.9	19.82	125.05	4,448.0	-748.2	1,066.4	1,298.8	0.00	0.00	0.00	
<b>WASATCH_G_ZONE.MBL</b>										
4,700.0	19.82	125.05	4,477.2	-754.2	1,075.0	1,309.3	0.00	0.00	0.00	
4,800.0	19.82	125.05	4,571.3	-773.7	1,102.8	1,343.1	0.00	0.00	0.00	
4,900.0	19.82	125.05	4,665.4	-793.2	1,130.5	1,376.9	0.00	0.00	0.00	
5,000.0	19.82	125.05	4,759.5	-812.6	1,158.3	1,410.7	0.00	0.00	0.00	
5,075.0	19.82	125.05	4,830.0	-827.2	1,179.1	1,436.1	0.00	0.00	0.00	
<b>FORT_UNION.MBL</b>										
5,100.0	19.82	125.05	4,853.5	-832.1	1,186.0	1,444.5	0.00	0.00	0.00	
5,200.0	19.82	125.05	4,947.6	-851.6	1,213.8	1,478.4	0.00	0.00	0.00	
5,300.0	19.82	125.05	5,041.7	-871.1	1,241.6	1,512.2	0.00	0.00	0.00	
5,400.0	19.82	125.05	5,135.8	-890.5	1,269.3	1,546.0	0.00	0.00	0.00	
5,500.0	19.82	125.05	5,229.9	-910.0	1,297.1	1,579.8	0.00	0.00	0.00	
5,600.0	19.82	125.05	5,323.9	-929.5	1,324.8	1,613.6	0.00	0.00	0.00	
5,700.0	19.82	125.05	5,418.0	-948.9	1,352.6	1,647.4	0.00	0.00	0.00	
5,800.0	19.82	125.05	5,512.1	-968.4	1,380.3	1,681.2	0.00	0.00	0.00	
5,900.0	19.82	125.05	5,606.2	-987.9	1,408.1	1,715.0	0.00	0.00	0.00	
6,000.0	19.82	125.05	5,700.2	-1,007.4	1,435.9	1,748.8	0.00	0.00	0.00	
6,100.0	19.82	125.05	5,794.3	-1,026.8	1,463.6	1,782.6	0.00	0.00	0.00	
6,200.0	19.82	125.05	5,888.4	-1,046.3	1,491.4	1,816.4	0.00	0.00	0.00	
6,300.0	19.82	125.05	5,982.5	-1,065.8	1,519.1	1,850.2	0.00	0.00	0.00	
6,400.0	19.82	125.05	6,076.5	-1,085.3	1,546.9	1,884.0	0.00	0.00	0.00	
6,477.5	19.82	125.05	6,149.4	-1,100.4	1,568.4	1,910.2	0.00	0.00	0.00	
6,500.0	19.14	125.05	6,170.7	-1,104.7	1,574.5	1,917.7	3.00	-3.00	0.00	
6,600.0	16.14	125.05	6,265.9	-1,122.1	1,599.3	1,947.9	3.00	-3.00	0.00	
6,700.0	13.14	125.05	6,362.7	-1,136.6	1,620.0	1,973.1	3.00	-3.00	0.00	
6,800.0	10.14	125.05	6,460.6	-1,148.2	1,636.6	1,993.3	3.00	-3.00	0.00	
6,900.0	7.14	125.05	6,559.5	-1,156.8	1,648.9	2,008.2	3.00	-3.00	0.00	
6,941.8	5.89	125.05	6,601.0	-1,159.5	1,652.7	2,013.0	3.00	-3.00	0.00	
<b>OHIO_CREEK.MBL</b>										
7,000.0	4.14	125.05	6,659.0	-1,162.5	1,656.9	2,018.0	3.00	-3.00	0.00	
7,100.0	1.14	125.05	6,758.9	-1,165.1	1,660.7	2,022.6	3.00	-3.00	0.00	
7,138.1	0.00	0.00	6,797.0	-1,165.3	1,661.0	2,023.0	3.00	-3.00	0.00	
7,188.1	0.50	250.00	6,847.0	-1,165.4	1,660.8	2,022.9	1.00	1.00	0.00	
<b>WILLIAMS_FORK.MBL</b>										
7,200.0	0.62	250.00	6,858.9	-1,165.4	1,660.7	2,022.9	1.00	1.00	0.00	
7,238.2	1.00	250.00	6,897.0	-1,165.6	1,660.2	2,022.6	1.00	1.00	0.00	
<b>TOP_GAS.MBL</b>										
7,300.0	1.62	250.00	6,958.8	-1,166.1	1,658.9	2,021.9	1.00	1.00	0.00	
7,400.0	2.62	250.00	7,058.8	-1,167.4	1,655.4	2,020.0	1.00	1.00	0.00	
7,464.9	3.27	250.00	7,123.6	-1,168.5	1,652.2	2,018.3	1.00	1.00	0.00	
7,500.0	3.27	250.00	7,158.6	-1,169.2	1,650.4	2,017.3	0.00	0.00	0.00	
7,600.0	3.27	250.00	7,258.5	-1,171.1	1,645.0	2,014.4	0.00	0.00	0.00	
7,700.0	3.27	250.00	7,358.3	-1,173.1	1,639.7	2,011.5	0.00	0.00	0.00	
7,800.0	3.27	250.00	7,458.1	-1,175.0	1,634.3	2,008.6	0.00	0.00	0.00	
7,900.0	3.27	250.00	7,558.0	-1,177.0	1,628.9	2,005.7	0.00	0.00	0.00	
8,000.0	3.27	250.00	7,657.8	-1,178.9	1,623.6	2,002.8	0.00	0.00	0.00	
8,100.0	3.27	250.00	7,757.6	-1,180.9	1,618.2	1,999.9	0.00	0.00	0.00	
8,200.0	3.27	250.00	7,857.5	-1,182.8	1,612.9	1,997.0	0.00	0.00	0.00	
8,300.0	3.27	250.00	7,957.3	-1,184.8	1,607.5	1,994.1	0.00	0.00	0.00	
8,400.0	3.27	250.00	8,057.2	-1,186.7	1,602.2	1,991.2	0.00	0.00	0.00	
8,500.0	3.27	250.00	8,157.0	-1,188.7	1,596.8	1,988.3	0.00	0.00	0.00	
8,600.0	3.27	250.00	8,256.8	-1,190.6	1,591.4	1,985.4	0.00	0.00	0.00	

<b>Database:</b>	US_EDM	<b>Local Co-ordinate Reference:</b>	Well NPR 23C-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 23C-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	8,356.7	-1,192.6	1,586.1	1,982.5	0.00	0.00	0.00	
8,800.0	3.27	250.00	8,456.5	-1,194.5	1,580.7	1,979.6	0.00	0.00	0.00	
8,900.0	3.27	250.00	8,556.3	-1,196.5	1,575.4	1,976.7	0.00	0.00	0.00	
9,000.0	3.27	250.00	8,656.2	-1,198.4	1,570.0	1,973.8	0.00	0.00	0.00	
9,100.0	3.27	250.00	8,756.0	-1,200.4	1,564.7	1,970.9	0.00	0.00	0.00	
9,200.0	3.27	250.00	8,855.9	-1,202.3	1,559.3	1,968.0	0.00	0.00	0.00	
9,300.0	3.27	250.00	8,955.7	-1,204.3	1,553.9	1,965.1	0.00	0.00	0.00	
9,400.0	3.27	250.00	9,055.5	-1,206.2	1,548.6	1,962.2	0.00	0.00	0.00	
9,500.0	3.27	250.00	9,155.4	-1,208.2	1,543.2	1,959.3	0.00	0.00	0.00	
9,600.0	3.27	250.00	9,255.2	-1,210.1	1,537.9	1,956.4	0.00	0.00	0.00	
9,653.9	3.27	250.00	9,309.0	-1,211.2	1,535.0	1,954.9	0.00	0.00	0.00	
<b>CAMEO.MBL</b>										
9,700.0	3.27	250.00	9,355.0	-1,212.1	1,532.5	1,953.5	0.00	0.00	0.00	
9,800.0	3.27	250.00	9,454.9	-1,214.0	1,527.2	1,950.6	0.00	0.00	0.00	
9,900.0	3.27	250.00	9,554.7	-1,216.0	1,521.8	1,947.7	0.00	0.00	0.00	
10,000.0	3.27	250.00	9,654.6	-1,217.9	1,516.5	1,944.8	0.00	0.00	0.00	
10,100.0	3.27	250.00	9,754.4	-1,219.9	1,511.1	1,942.0	0.00	0.00	0.00	
10,200.0	3.27	250.00	9,854.2	-1,221.8	1,505.7	1,939.1	0.00	0.00	0.00	
10,300.0	3.27	250.00	9,954.1	-1,223.8	1,500.4	1,936.2	0.00	0.00	0.00	
10,300.9	3.27	250.00	9,955.0	-1,223.8	1,500.3	1,936.1	0.00	0.00	0.00	
<b>ROLLINS.MBL</b>										
10,400.0	3.27	250.00	10,053.9	-1,225.7	1,495.0	1,933.3	0.00	0.00	0.00	
10,476.2	3.27	250.00	10,130.0	-1,227.2	1,490.9	1,931.1	0.00	0.00	0.00	
<b>TD.MBL - BHL 2354'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 1696'FNL, 2483'FM - hit/miss target - Shape - Point	0.00	0.00	1.0	0.0	0.0	14,404,636.39	2,436,128.97	39.632184	-108.174082	
BHL 2354'FSL, 1308'FEI - plan hits target center - Ellipse (radii L200.0 W100.0 on 250.00 azi)	0.00	0.00	10,130.0	-1,227.2	1,490.9	14,403,456.33	2,437,658.29	39.628814	-108.168789	

Casing Points						
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")		
2,598.3	2,500.0	9 5/8"	9-5/8	12-1/4		

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<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 23C-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 (°)	
2,117.8	2,048.0	WASATCH.MBL		0.00		
4,668.9	4,448.0	WASATCH_G_ZONE.MBL		0.00		
5,075.0	4,830.0	FORT_UNION.MBL		0.00		
6,941.8	6,601.0	OHIO_CREEK.MBL		0.00		
7,188.1	6,847.0	WILLIAMS_FORK.MBL		0.00		
7,238.2	6,897.0	TOP_GAS.MBL		0.00		
9,653.9	9,309.0	CAMEO.MBL		0.00		
10,300.9	9,955.0	ROLLINS.MBL		0.00		
10,476.2	10,130.0	TD.MBL		0.00		