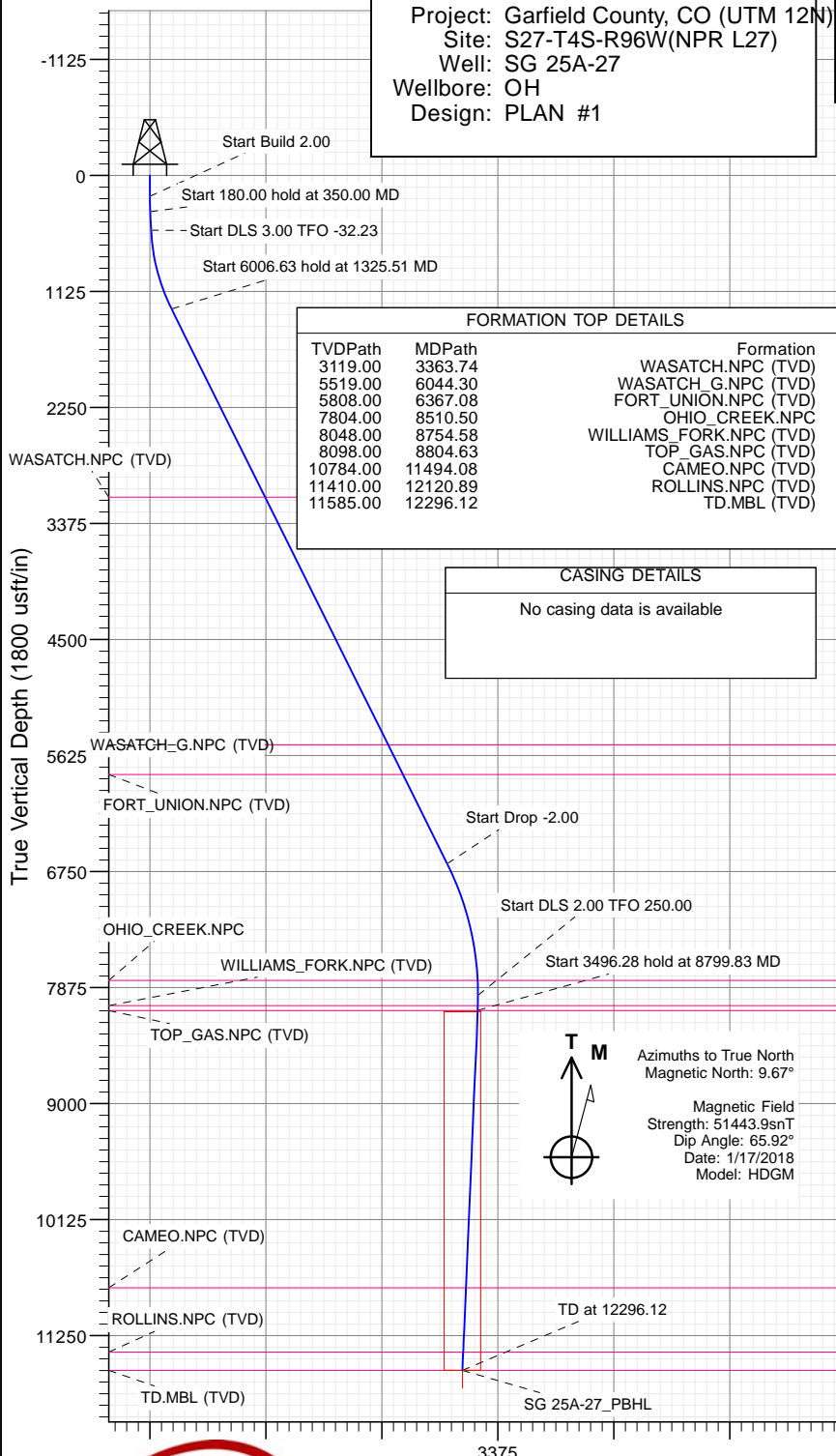




## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
3	350.00	3.00	130.00	349.93	-2.52	3.01	2.00	130.00	3.50	
4	530.00	3.00	130.00	529.68	-8.58	10.22	0.00	0.00	11.90	
5	1325.51	26.45	101.02	1294.10	-56.53	202.85	3.00	-32.23	210.39	
6	7332.13	26.45	101.02	6672.04	-568.04	2828.81	0.00	0.00	2883.94	
7	8654.56	0.00	0.00	7948.00	-625.37	3123.12	2.00	180.00	3183.58	
8	8799.83	2.91	250.00	8093.21	-626.63	3119.66	2.00	250.00	3180.50	
9	12296.12	2.91	250.00	11585.00	-687.24	2953.12	0.00	0.00	3032.03	SG 25A-27_PBHL

Project: Garfield County, CO (UTM 12N)  
Site: S27-T4S-R96W(NPR L27)  
Well: SG 25A-27  
Wellbore: OH  
Design: PLAN #1



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3119.00	3363.74	WASATCH.NPC (TVD)
5519.00	6044.30	WASATCH_G.NPC (TVD)
5808.00	6367.08	FORT_UNION.NPC (TVD)
7804.00	8510.50	OHIO_CREEK.NPC (TVD)
8048.00	8754.58	WILLIAMS_FORK.NPC (TVD)
8098.00	8804.63	TOP_GAS.NPC (TVD)
10784.00	11494.08	CAMEO.NPC (TVD)
11410.00	12120.89	ROLLINS.NPC (TVD)
11585.00	12296.12	TD.MBL (TVD)

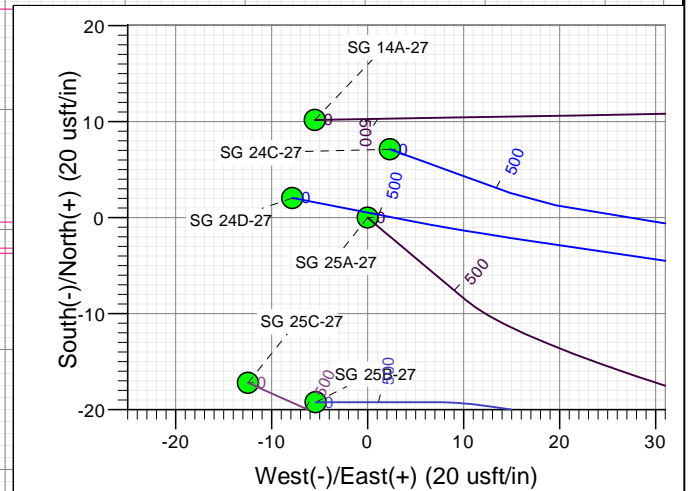
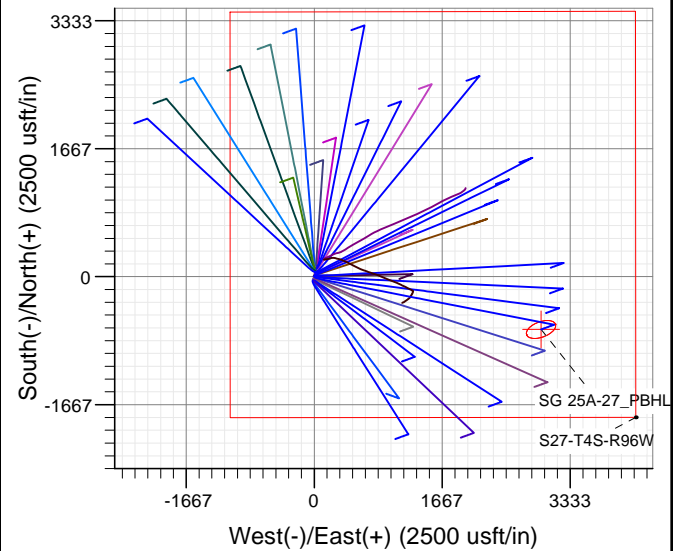
## CASING DETAILS

No casing data is available



Azimuths to True North  
Magnetic North: 9.67°  
Magnetic Field  
Strength: 51443.9snT  
Dip Angle: 65.92°  
Date: 1/17/2018  
Model: HDGM

Type	Target	No Target (Freehand)	Azimuth	Origin Type	N/S	E/W	From TVD
TD			103.10	Slot	0.00	0.00	0.00
Name	SG 25A-27_PBHL		TVD	+N/-S	+E/-W	Latitude	Longitude
			11585.00	-687.24	2953.12	39.669241	-108.149119



WELL DETAILS: SG 25A-27

12375



+N/-S 0.00 +E/-W 0.00 Northing 14418948.20 Easting 2439756.90

8106.00 Latitude 39.671127 Longitude -108.159605 SG 25A-27



# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well SG 25A-27 - Slot SG 25A-27
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Site:</b>	S27-T4S-R96W(NPR L27)	<b>North Reference:</b>	True
<b>Well:</b>	SG 25A-27	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #1		

<b>Project</b>	Garfield County, CO (UTM 12N)		
<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		
<b>Map Zone:</b>	Zone 12N (114 W to 108 W)		

Site		S27-T4S-R96W(NPR L27)			
Site Position:		Northing:	14,419,012.30 usft	Latitude:	39.671302
From:	Map	Easting:	2,439,764.30 usft	Longitude:	-108.159572
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.81 °

Well	SG 25A-27 - Slot SG 25A-27					
Well Position	+N/-S	0.00 usft	Northing:	14,418,948.20 usft	Latitude:	39.671127
	+E/-W	0.00 usft	Easting:	2,439,756.90 usft	Longitude:	-108.159605
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	8,106.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM	1/17/2018	9.67	65.92	51,443.90000000

<b>Design</b>	PLAN #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	103.10

<b>Plan Sections</b>										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	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	0.00	
350.00	3.00	130.00	349.93	-2.52	3.01	2.00	2.00	0.00	130.00	
530.00	3.00	130.00	529.68	-8.58	10.22	0.00	0.00	0.00	0.00	
1,325.51	26.45	101.02	1,294.10	-56.53	202.85	3.00	2.95	-3.64	-32.23	
7,332.13	26.45	101.02	6,672.04	-568.04	2,828.81	0.00	0.00	0.00	0.00	
8,654.56	0.00	0.00	7,948.00	-625.37	3,123.12	2.00	-2.00	0.00	180.00	
8,799.83	2.91	250.00	8,093.21	-626.63	3,119.66	2.00	2.00	-75.72	250.00	
12,296.12	2.91	250.00	11,585.00	-687.24	2,953.12	0.00	0.00	0.00	0.00	SG 25A-27_PBHL

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well SG 25A-27 - Slot SG 25A-27
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Site:</b>	S27-T4S-R96W(NPR L27)	<b>North Reference:</b>	True
<b>Well:</b>	SG 25A-27	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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	Start Build 2.00
300.00	2.00	130.00	299.98	-1.12	1.34	1.56	2.00	2.00	
350.00	3.00	130.00	349.93	-2.52	3.01	3.50	2.00	2.00	Start 180.00 hold at 350.00 MD
400.00	3.00	130.00	399.86	-4.21	5.01	5.83	0.00	0.00	
500.00	3.00	130.00	499.73	-7.57	9.02	10.50	0.00	0.00	
530.00	3.00	130.00	529.68	-8.58	10.22	11.90	0.00	0.00	Start DLS 3.00 TFO -32.23
600.00	4.91	116.79	599.52	-11.11	14.30	16.44	3.00	2.72	
700.00	7.80	109.56	698.89	-15.31	24.52	27.35	3.00	2.90	
800.00	10.76	106.26	797.57	-20.19	39.87	43.41	3.00	2.95	
900.00	13.73	104.37	895.29	-25.75	60.33	64.60	3.00	2.97	
1,000.00	16.71	103.14	991.77	-31.97	85.84	90.85	3.00	2.98	
1,100.00	19.70	102.28	1,086.75	-38.82	116.32	122.09	3.00	2.99	
1,200.00	22.69	101.63	1,179.98	-46.30	151.69	158.23	3.00	2.99	
1,300.00	25.68	101.13	1,271.19	-54.37	191.85	199.18	3.00	2.99	
1,325.51	26.45	101.02	1,294.10	-56.53	202.85	210.39	3.00	2.99	Start 6006.63 hold at 1325.51 MD
1,400.00	26.45	101.02	1,360.80	-62.87	235.42	243.54	0.00	0.00	
1,500.00	26.45	101.02	1,450.33	-71.39	279.14	288.05	0.00	0.00	
1,600.00	26.45	101.02	1,539.86	-79.90	322.85	332.56	0.00	0.00	
1,700.00	26.45	101.02	1,629.40	-88.42	366.57	377.07	0.00	0.00	
1,800.00	26.45	101.02	1,718.93	-96.93	410.29	421.58	0.00	0.00	
1,900.00	26.45	101.02	1,808.46	-105.45	454.01	466.09	0.00	0.00	
2,000.00	26.45	101.02	1,898.00	-113.97	497.72	510.60	0.00	0.00	
2,100.00	26.45	101.02	1,987.53	-122.48	541.44	555.11	0.00	0.00	
2,200.00	26.45	101.02	2,077.06	-131.00	585.16	599.62	0.00	0.00	
2,300.00	26.45	101.02	2,166.60	-139.51	628.88	644.13	0.00	0.00	
2,400.00	26.45	101.02	2,256.13	-148.03	672.60	688.64	0.00	0.00	
2,500.00	26.45	101.02	2,345.66	-156.54	716.31	733.15	0.00	0.00	
2,600.00	26.45	101.02	2,435.20	-165.06	760.03	777.66	0.00	0.00	
2,700.00	26.45	101.02	2,524.73	-173.58	803.75	822.17	0.00	0.00	
2,800.00	26.45	101.02	2,614.26	-182.09	847.47	866.68	0.00	0.00	
2,900.00	26.45	101.02	2,703.80	-190.61	891.18	911.19	0.00	0.00	
3,000.00	26.45	101.02	2,793.33	-199.12	934.90	955.70	0.00	0.00	
3,100.00	26.45	101.02	2,882.87	-207.64	978.62	1,000.21	0.00	0.00	
3,200.00	26.45	101.02	2,972.40	-216.16	1,022.34	1,044.72	0.00	0.00	
3,300.00	26.45	101.02	3,061.93	-224.67	1,066.05	1,089.23	0.00	0.00	
3,363.74	26.45	101.02	3,119.00	-230.10	1,093.92	1,117.60	0.00	0.00	WASATCH.NPC (TVD)
3,400.00	26.45	101.02	3,151.47	-233.19	1,109.77	1,133.74	0.00	0.00	
3,500.00	26.45	101.02	3,241.00	-241.70	1,153.49	1,178.25	0.00	0.00	
3,600.00	26.45	101.02	3,330.53	-250.22	1,197.21	1,222.76	0.00	0.00	
3,700.00	26.45	101.02	3,420.07	-258.73	1,240.93	1,267.27	0.00	0.00	
3,800.00	26.45	101.02	3,509.60	-267.25	1,284.64	1,311.78	0.00	0.00	
3,900.00	26.45	101.02	3,599.13	-275.77	1,328.36	1,356.29	0.00	0.00	
4,000.00	26.45	101.02	3,688.67	-284.28	1,372.08	1,400.80	0.00	0.00	
4,100.00	26.45	101.02	3,778.20	-292.80	1,415.80	1,445.31	0.00	0.00	
4,200.00	26.45	101.02	3,867.73	-301.31	1,459.51	1,489.82	0.00	0.00	
4,300.00	26.45	101.02	3,957.27	-309.83	1,503.23	1,534.33	0.00	0.00	
4,400.00	26.45	101.02	4,046.80	-318.35	1,546.95	1,578.84	0.00	0.00	
4,500.00	26.45	101.02	4,136.33	-326.86	1,590.67	1,623.35	0.00	0.00	
4,600.00	26.45	101.02	4,225.87	-335.38	1,634.38	1,667.86	0.00	0.00	
4,700.00	26.45	101.02	4,315.40	-343.89	1,678.10	1,712.37	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well SG 25A-27 - Slot SG 25A-27
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Site:</b>	S27-T4S-R96W(NPR L27)	<b>North Reference:</b>	True
<b>Well:</b>	SG 25A-27	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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	26.45	101.02	4,404.93	-352.41	1,721.82	1,756.88	0.00	0.00	
4,900.00	26.45	101.02	4,494.47	-360.92	1,765.54	1,801.39	0.00	0.00	
5,000.00	26.45	101.02	4,584.00	-369.44	1,809.25	1,845.90	0.00	0.00	
5,100.00	26.45	101.02	4,673.54	-377.96	1,852.97	1,890.41	0.00	0.00	
5,200.00	26.45	101.02	4,763.07	-386.47	1,896.69	1,934.92	0.00	0.00	
5,300.00	26.45	101.02	4,852.60	-394.99	1,940.41	1,979.43	0.00	0.00	
5,400.00	26.45	101.02	4,942.14	-403.50	1,984.13	2,023.94	0.00	0.00	
5,500.00	26.45	101.02	5,031.67	-412.02	2,027.84	2,068.45	0.00	0.00	
5,600.00	26.45	101.02	5,121.20	-420.54	2,071.56	2,112.96	0.00	0.00	
5,700.00	26.45	101.02	5,210.74	-429.05	2,115.28	2,157.47	0.00	0.00	
5,800.00	26.45	101.02	5,300.27	-437.57	2,159.00	2,201.98	0.00	0.00	
5,900.00	26.45	101.02	5,389.80	-446.08	2,202.71	2,246.49	0.00	0.00	
6,000.00	26.45	101.02	5,479.34	-454.60	2,246.43	2,291.00	0.00	0.00	
6,044.30	26.45	101.02	5,519.00	-458.37	2,265.80	2,310.72	0.00	0.00	WASATCH_G.NPC (TVD)
6,100.00	26.45	101.02	5,568.87	-463.11	2,290.15	2,335.51	0.00	0.00	
6,200.00	26.45	101.02	5,658.40	-471.63	2,333.87	2,380.02	0.00	0.00	
6,300.00	26.45	101.02	5,747.94	-480.15	2,377.58	2,424.53	0.00	0.00	
6,367.08	26.45	101.02	5,808.00	-485.86	2,406.91	2,454.39	0.00	0.00	FORT_UNION.NPC (TVD)
6,400.00	26.45	101.02	5,837.47	-488.66	2,421.30	2,469.05	0.00	0.00	
6,500.00	26.45	101.02	5,927.00	-497.18	2,465.02	2,513.56	0.00	0.00	
6,600.00	26.45	101.02	6,016.54	-505.69	2,508.74	2,558.07	0.00	0.00	
6,700.00	26.45	101.02	6,106.07	-514.21	2,552.45	2,602.58	0.00	0.00	
6,800.00	26.45	101.02	6,195.60	-522.73	2,596.17	2,647.09	0.00	0.00	
6,900.00	26.45	101.02	6,285.14	-531.24	2,639.89	2,691.60	0.00	0.00	
7,000.00	26.45	101.02	6,374.67	-539.76	2,683.61	2,736.11	0.00	0.00	
7,100.00	26.45	101.02	6,464.21	-548.27	2,727.33	2,780.62	0.00	0.00	
7,200.00	26.45	101.02	6,553.74	-556.79	2,771.04	2,825.13	0.00	0.00	
7,300.00	26.45	101.02	6,643.27	-565.30	2,814.76	2,869.64	0.00	0.00	
7,332.13	26.45	101.02	6,672.04	-568.04	2,828.81	2,883.94	0.00	0.00	Start Drop -2.00
7,400.00	25.09	101.02	6,733.16	-573.68	2,857.77	2,913.42	2.00	-2.00	
7,500.00	23.09	101.02	6,824.44	-581.49	2,897.83	2,954.21	2.00	-2.00	
7,600.00	21.09	101.02	6,917.10	-588.68	2,934.75	2,991.80	2.00	-2.00	
7,700.00	19.09	101.02	7,011.01	-595.24	2,968.46	3,026.12	2.00	-2.00	
7,800.00	17.09	101.02	7,106.06	-601.18	2,998.94	3,057.15	2.00	-2.00	
7,900.00	15.09	101.02	7,202.14	-606.48	3,026.14	3,084.85	2.00	-2.00	
8,000.00	13.09	101.02	7,299.12	-611.13	3,050.04	3,109.18	2.00	-2.00	
8,100.00	11.09	101.02	7,396.90	-615.14	3,070.60	3,130.11	2.00	-2.00	
8,200.00	9.09	101.02	7,495.35	-618.49	3,087.80	3,147.62	2.00	-2.00	
8,300.00	7.09	101.02	7,594.35	-621.18	3,101.61	3,161.69	2.00	-2.00	
8,400.00	5.09	101.02	7,693.78	-623.21	3,112.03	3,172.29	2.00	-2.00	
8,500.00	3.09	101.02	7,793.52	-624.57	3,119.03	3,179.42	2.00	-2.00	
8,510.50	2.88	101.02	7,804.00	-624.68	3,119.57	3,179.96	2.00	-2.00	OHIO_CREEK.NPC
8,600.00	1.09	101.02	7,893.44	-625.27	3,122.61	3,183.06	2.00	-2.00	
8,654.56	0.00	0.00	7,948.00	-625.37	3,123.12	3,183.58	2.00	-2.00	Start DLS 2.00 TFO 250.00
8,700.00	0.91	250.00	7,993.44	-625.49	3,122.78	3,183.28	2.00	2.00	
8,754.58	2.00	250.00	8,048.00	-625.97	3,121.48	3,182.12	2.00	2.00	WILLIAMS_FORK.NPC (TVD)
8,799.83	2.91	250.00	8,093.21	-626.63	3,119.66	3,180.50	2.00	2.00	Start 3496.28 hold at 8799.83 MD
8,800.00	2.91	250.00	8,093.38	-626.63	3,119.65	3,180.49	0.00	0.00	
8,804.63	2.91	250.00	8,098.00	-626.71	3,119.43	3,180.30	0.00	0.00	TOP_GAS.NPC (TVD)
8,900.00	2.91	250.00	8,193.25	-628.37	3,114.89	3,176.25	0.00	0.00	
9,000.00	2.91	250.00	8,293.12	-630.10	3,110.12	3,172.00	0.00	0.00	
9,100.00	2.91	250.00	8,392.99	-631.83	3,105.36	3,167.75	0.00	0.00	

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well SG 25A-27 - Slot SG 25A-27
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	KB=30' @ 8136.00usft (Original Well Elev)
<b>Site:</b>	S27-T4S-R96W(NPR L27)	<b>North Reference:</b>	True
<b>Well:</b>	SG 25A-27	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	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
9,200.00	2.91	250.00	8,492.86	-633.57	3,100.60	3,163.51	0.00	0.00	
9,300.00	2.91	250.00	8,592.74	-635.30	3,095.84	3,159.26	0.00	0.00	
9,400.00	2.91	250.00	8,692.61	-637.03	3,091.07	3,155.01	0.00	0.00	
9,500.00	2.91	250.00	8,792.48	-638.77	3,086.31	3,150.77	0.00	0.00	
9,600.00	2.91	250.00	8,892.35	-640.50	3,081.55	3,146.52	0.00	0.00	
9,700.00	2.91	250.00	8,992.22	-642.23	3,076.78	3,142.27	0.00	0.00	
9,800.00	2.91	250.00	9,092.09	-643.97	3,072.02	3,138.03	0.00	0.00	
9,900.00	2.91	250.00	9,191.97	-645.70	3,067.26	3,133.78	0.00	0.00	
10,000.00	2.91	250.00	9,291.84	-647.43	3,062.49	3,129.54	0.00	0.00	
10,100.00	2.91	250.00	9,391.71	-649.17	3,057.73	3,125.29	0.00	0.00	
10,200.00	2.91	250.00	9,491.58	-650.90	3,052.97	3,121.04	0.00	0.00	
10,300.00	2.91	250.00	9,591.45	-652.64	3,048.20	3,116.80	0.00	0.00	
10,400.00	2.91	250.00	9,691.32	-654.37	3,043.44	3,112.55	0.00	0.00	
10,500.00	2.91	250.00	9,791.19	-656.10	3,038.68	3,108.30	0.00	0.00	
10,600.00	2.91	250.00	9,891.07	-657.84	3,033.91	3,104.06	0.00	0.00	
10,700.00	2.91	250.00	9,990.94	-659.57	3,029.15	3,099.81	0.00	0.00	
10,800.00	2.91	250.00	10,090.81	-661.30	3,024.39	3,095.56	0.00	0.00	
10,900.00	2.91	250.00	10,190.68	-663.04	3,019.62	3,091.32	0.00	0.00	
11,000.00	2.91	250.00	10,290.55	-664.77	3,014.86	3,087.07	0.00	0.00	
11,100.00	2.91	250.00	10,390.42	-666.50	3,010.10	3,082.83	0.00	0.00	
11,200.00	2.91	250.00	10,490.29	-668.24	3,005.33	3,078.58	0.00	0.00	
11,300.00	2.91	250.00	10,590.17	-669.97	3,000.57	3,074.33	0.00	0.00	
11,400.00	2.91	250.00	10,690.04	-671.70	2,995.81	3,070.09	0.00	0.00	
11,494.08	2.91	250.00	10,784.00	-673.34	2,991.33	3,066.09	0.00	0.00	CAMEO.NPC (TVD)
11,500.00	2.91	250.00	10,789.91	-673.44	2,991.04	3,065.84	0.00	0.00	
11,600.00	2.91	250.00	10,889.78	-675.17	2,986.28	3,061.59	0.00	0.00	
11,700.00	2.91	250.00	10,989.65	-676.90	2,981.52	3,057.35	0.00	0.00	
11,800.00	2.91	250.00	11,089.52	-678.64	2,976.75	3,053.10	0.00	0.00	
11,900.00	2.91	250.00	11,189.39	-680.37	2,971.99	3,048.85	0.00	0.00	
12,000.00	2.91	250.00	11,289.27	-682.11	2,967.23	3,044.61	0.00	0.00	
12,100.00	2.91	250.00	11,389.14	-683.84	2,962.46	3,040.36	0.00	0.00	
12,120.89	2.91	250.00	11,410.00	-684.20	2,961.47	3,039.47	0.00	0.00	ROLLINS.NPC (TVD)
12,200.00	2.91	250.00	11,489.01	-685.57	2,957.70	3,036.12	0.00	0.00	
12,296.12	2.91	250.00	11,585.00	-687.24	2,953.12	3,032.03	0.00	0.00	TD at 12296.12 - TD.MBL (TVD) - SG 25A-27_f

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SG 25A-27_PBHL	0.00	0.00	11,585.00	-687.24	2,953.12	14,418,354.80	2,442,730.30	39.669241	-108.149119
- hit/miss target									
- Shape									
- plan hits target center									
- Ellipse (radii L200.00 W100.00 on 250.00 azi)									

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<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,363.74	3,119.00	WASATCH.NPC (TVD)				
6,044.30	5,519.00	WASATCH_G.NPC (TVD)				
6,367.08	5,808.00	FORT_UNION.NPC (TVD)				
8,510.50	7,804.00	OHIO_CREEK.NPC				
8,754.58	8,048.00	WILLIAMS_FORK.NPC (TVD)				
8,804.63	8,098.00	TOP_GAS.NPC (TVD)				
11,494.08	10,784.00	CAMEO.NPC (TVD)				
12,120.89	11,410.00	ROLLINS.NPC (TVD)				
12,296.12	11,585.00	TD.MBL (TVD)				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
200.00	200.00	0.00	0.00	Start Build 2.00	
350.00	349.93	-2.52	3.01	Start 180.00 hold at 350.00 MD	
530.00	529.68	-8.58	10.22	Start DLS 3.00 TFO -32.23	
1,325.51	1,294.10	-56.53	202.85	Start 6006.63 hold at 1325.51 MD	
7,332.13	6,672.04	-568.04	2,828.81	Start Drop -2.00	
8,654.56	7,948.00	-625.37	3,123.12	Start DLS 2.00 TFO 250.00	
8,799.83	8,093.21	-626.63	3,119.66	Start 3496.28 hold at 8799.83 MD	
12,296.12	11,585.00	-687.24	2,953.12	TD at 12296.12	