



## 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	150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	
3	676.52	15.80	175.45	669.87	-71.89	5.73	3.00	175.45	72.05	
4	7414.26	15.80	175.45	7153.19	-1900.14	151.35	0.00	0.00	1904.42	
5	8204.03	0.00	0.00	7933.00	-2007.97	159.94	2.00	180.00	2012.49	
6	8254.70	1.52	250.00	7983.66	-2008.20	159.31	3.00	250.00	2012.70	
7	11639.23	1.52	250.00	11367.00	-2038.91	74.94	0.00	0.00	2040.29	NPR 24B-3 596_PBHL

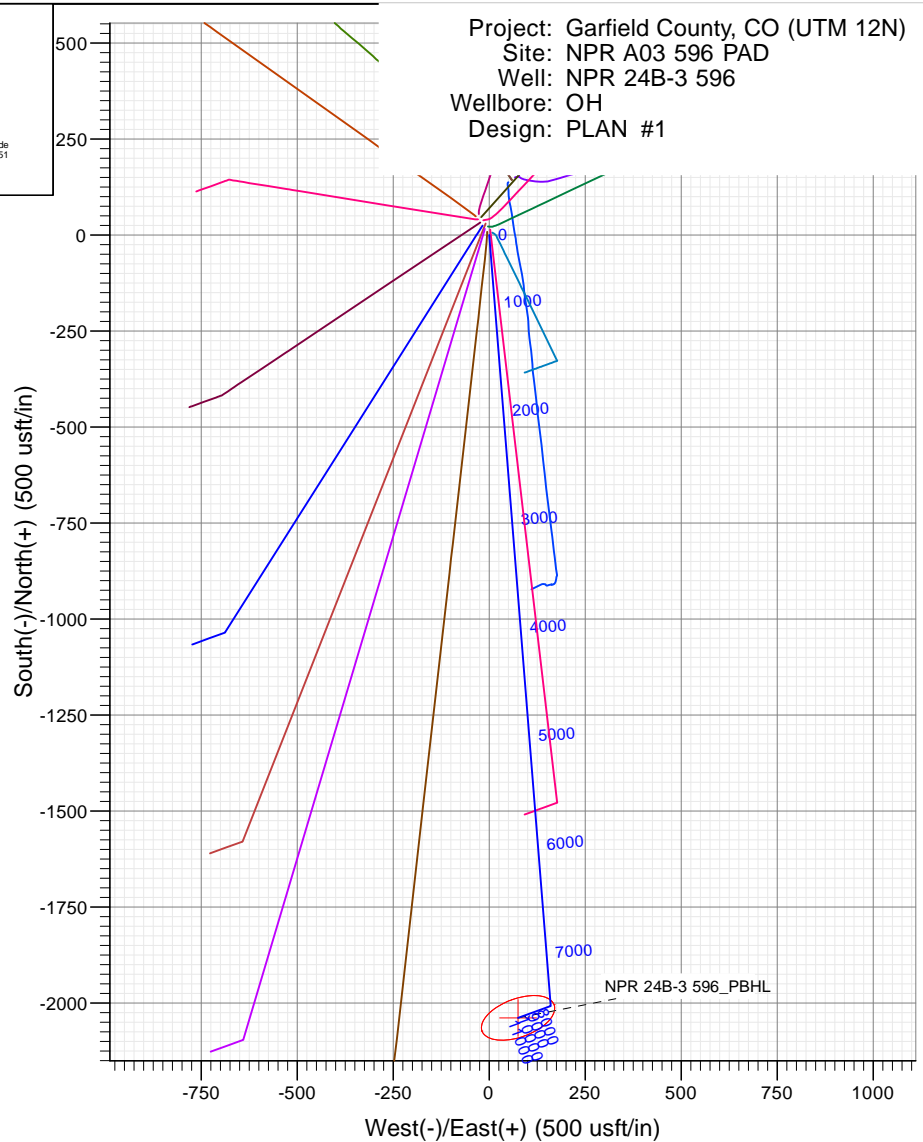
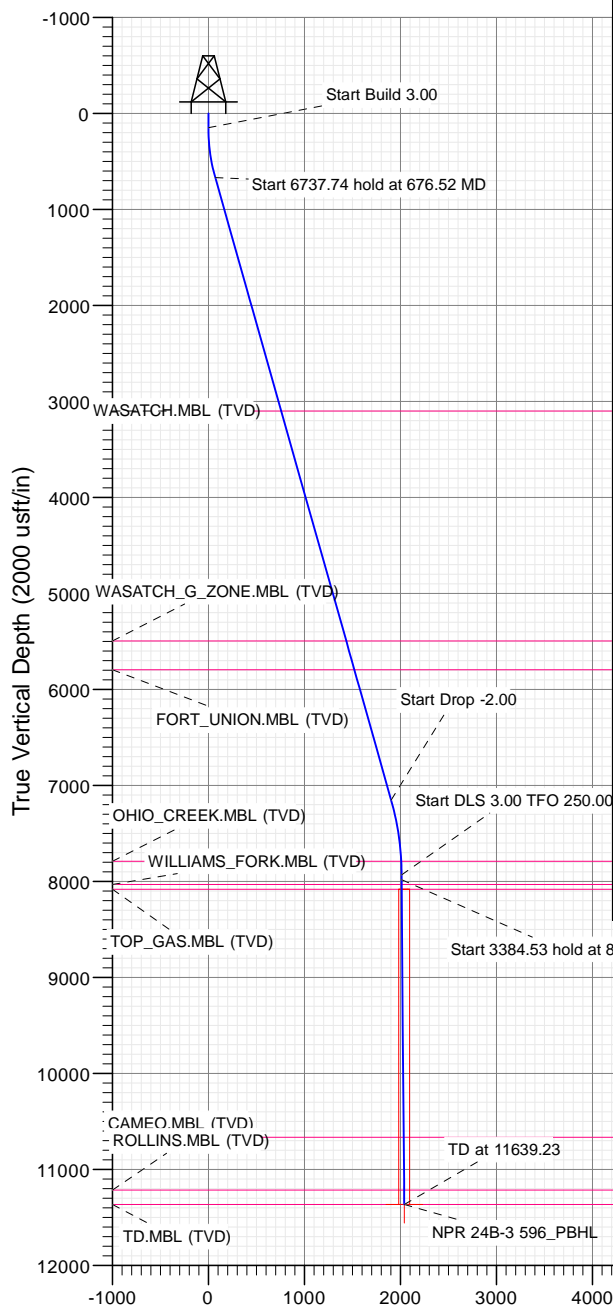
PLAN #1  
NPR 24B-3 596  
GL+KB @ 8381.00est (Original Well Elev)  
Ground Level @ 8331.00  
NAD 1987 - Western US  
Well NPR 24B-3 596, True North

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	177.89	Slot	0.00	0.00	0.00

Name: NPR 24B-3 596\_PBHL

TVD	+N/-S	+E/-W	Latitude	Longitude
11367.00	-2038.91	74.94	39.641955	-108.147151

Project: Garfield County, CO (UTM 12N)  
Site: NPR A03 596 PAD  
Well: NPR 24B-3 596  
Wellbore: OH  
Design: PLAN #1



## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3100.00	3202.01	WASATCH.MBL (TVD)
5496.00	5692.03	WASATCH_G_ZONE.MBL (TVD)
5796.00	6003.81	FORT_UNION.MBL (TVD)
7790.00	8060.97	OHIO_CREEK.MBL (TVD)
8033.00	8304.05	WILLIAMS_FORK.MBL (TVD)
8083.00	8354.07	TOP_GAS.MBL (TVD)
10667.00	10938.98	CAMEO.MBL (TVD)
11217.00	11489.17	ROLLINS.MBL (TVD)
11367.00	11639.23	TD.MBL (TVD)



Azimuths to True North  
Magnetic North: 9.65°  
Magnetic Field  
Strength: 51422.6snT  
Dip Angle: 65.90°  
Date: 5/10/2018  
Model: HDGM

Vertical Section at 177.89° (2000 usft/in)

WELL DETAILS: NPR 24B-3 596

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14410470.50	2443460.40	39.647550	-108.147417

CATHEDRAL



# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well NPR 24B-3 596
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Site:</b>	NPR A03 596 PAD	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24B-3 596	<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		NPR A03 596 PAD			
Site Position:		Northing:	14,410,524.00 usft	Latitude:	39.647700
From:	Map	Easting:	2,443,431.60 usft	Longitude:	-108.147513
Position Uncertainty:	3.28 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.82 °

Well	NPR 24B-3 596					
Well Position	+N/-S	0.00 usft	Northing:	14,410,470.50 usft	Latitude:	39.647550
	+E/-W	0.00 usft	Easting:	2,443,460.40 usft	Longitude:	-108.147417
Position Uncertainty	3.28 usft	Wellhead Elevation:	usft	Ground Level:	8,331.00 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	5/10/2018	9.65	65.90	51,422.60000000

<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	177.89	

<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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	0.00	
676.52	15.80	175.45	669.87	-71.89	5.73	3.00	3.00	0.00	175.45	
7,414.26	15.80	175.45	7,153.19	-1,900.14	151.35	0.00	0.00	0.00	0.00	
8,204.03	0.00	0.00	7,933.00	-2,007.97	159.94	2.00	-2.00	0.00	180.00	
8,254.70	1.52	250.00	7,983.66	-2,008.20	159.31	3.00	3.00	-217.10	250.00	
11,639.23	1.52	250.00	11,367.00	-2,038.91	74.94	0.00	0.00	0.00	0.00	NPR 24B-3 596_PBH

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well NPR 24B-3 596
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Site:</b>	NPR A03 596 PAD	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24B-3 596	<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	
150.00	0.00	0.00	150.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
200.00	1.50	175.45	199.99	-0.65	0.05	0.65	3.00	3.00	
300.00	4.50	175.45	299.85	-5.87	0.47	5.88	3.00	3.00	
400.00	7.50	175.45	399.29	-16.29	1.30	16.32	3.00	3.00	
500.00	10.50	175.45	498.04	-31.88	2.54	31.95	3.00	3.00	
600.00	13.50	175.45	595.85	-52.60	4.19	52.72	3.00	3.00	
676.52	15.80	175.45	669.87	-71.89	5.73	72.05	3.00	3.00	Start 6737.74 hold at 676.52 MD
700.00	15.80	175.45	692.47	-78.26	6.23	78.44	0.00	0.00	
800.00	15.80	175.45	788.69	-105.40	8.40	105.63	0.00	0.00	
900.00	15.80	175.45	884.92	-132.53	10.56	132.83	0.00	0.00	
1,000.00	15.80	175.45	981.14	-159.67	12.72	160.02	0.00	0.00	
1,100.00	15.80	175.45	1,077.37	-186.80	14.88	187.22	0.00	0.00	
1,200.00	15.80	175.45	1,173.59	-213.93	17.04	214.42	0.00	0.00	
1,300.00	15.80	175.45	1,269.81	-241.07	19.20	241.61	0.00	0.00	
1,400.00	15.80	175.45	1,366.04	-268.20	21.36	268.81	0.00	0.00	
1,500.00	15.80	175.45	1,462.26	-295.34	23.52	296.00	0.00	0.00	
1,600.00	15.80	175.45	1,558.48	-322.47	25.69	323.20	0.00	0.00	
1,700.00	15.80	175.45	1,654.71	-349.61	27.85	350.39	0.00	0.00	
1,800.00	15.80	175.45	1,750.93	-376.74	30.01	377.59	0.00	0.00	
1,900.00	15.80	175.45	1,847.16	-403.88	32.17	404.78	0.00	0.00	
2,000.00	15.80	175.45	1,943.38	-431.01	34.33	431.98	0.00	0.00	
2,100.00	15.80	175.45	2,039.60	-458.14	36.49	459.18	0.00	0.00	
2,200.00	15.80	175.45	2,135.83	-485.28	38.65	486.37	0.00	0.00	
2,300.00	15.80	175.45	2,232.05	-512.41	40.81	513.57	0.00	0.00	
2,400.00	15.80	175.45	2,328.28	-539.55	42.98	540.76	0.00	0.00	
2,500.00	15.80	175.45	2,424.50	-566.68	45.14	567.96	0.00	0.00	
2,600.00	15.80	175.45	2,520.72	-593.82	47.30	595.15	0.00	0.00	
2,700.00	15.80	175.45	2,616.95	-620.95	49.46	622.35	0.00	0.00	
2,800.00	15.80	175.45	2,713.17	-648.09	51.62	649.54	0.00	0.00	
2,900.00	15.80	175.45	2,809.40	-675.22	53.78	676.74	0.00	0.00	
3,000.00	15.80	175.45	2,905.62	-702.35	55.94	703.94	0.00	0.00	
3,100.00	15.80	175.45	3,001.84	-729.49	58.11	731.13	0.00	0.00	
3,200.00	15.80	175.45	3,098.07	-756.62	60.27	758.33	0.00	0.00	
3,202.01	15.80	175.45	3,100.00	-757.17	60.31	758.87	0.00	0.00	WASATCH.MBL (TVD)
3,300.00	15.80	175.45	3,194.29	-783.76	62.43	785.52	0.00	0.00	
3,400.00	15.80	175.45	3,290.52	-810.89	64.59	812.72	0.00	0.00	
3,500.00	15.80	175.45	3,386.74	-838.03	66.75	839.91	0.00	0.00	
3,600.00	15.80	175.45	3,482.96	-865.16	68.91	867.11	0.00	0.00	
3,700.00	15.80	175.45	3,579.19	-892.30	71.07	894.30	0.00	0.00	
3,800.00	15.80	175.45	3,675.41	-919.43	73.23	921.50	0.00	0.00	
3,900.00	15.80	175.45	3,771.64	-946.57	75.40	948.70	0.00	0.00	
4,000.00	15.80	175.45	3,867.86	-973.70	77.56	975.89	0.00	0.00	
4,100.00	15.80	175.45	3,964.08	-1,000.83	79.72	1,003.09	0.00	0.00	
4,200.00	15.80	175.45	4,060.31	-1,027.97	81.88	1,030.28	0.00	0.00	
4,300.00	15.80	175.45	4,156.53	-1,055.10	84.04	1,057.48	0.00	0.00	
4,400.00	15.80	175.45	4,252.76	-1,082.24	86.20	1,084.67	0.00	0.00	
4,500.00	15.80	175.45	4,348.98	-1,109.37	88.36	1,111.87	0.00	0.00	
4,600.00	15.80	175.45	4,445.20	-1,136.51	90.53	1,139.06	0.00	0.00	
4,700.00	15.80	175.45	4,541.43	-1,163.64	92.69	1,166.26	0.00	0.00	
4,800.00	15.80	175.45	4,637.65	-1,190.78	94.85	1,193.46	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 NPR 24B-3 596
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Site:</b>	NPR A03 596 PAD	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24B-3 596	<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
4,900.00	15.80	175.45	4,733.88	-1,217.91	97.01	1,220.65	0.00	0.00	
5,000.00	15.80	175.45	4,830.10	-1,245.04	99.17	1,247.85	0.00	0.00	
5,100.00	15.80	175.45	4,926.32	-1,272.18	101.33	1,275.04	0.00	0.00	
5,200.00	15.80	175.45	5,022.55	-1,299.31	103.49	1,302.24	0.00	0.00	
5,300.00	15.80	175.45	5,118.77	-1,326.45	105.65	1,329.43	0.00	0.00	
5,400.00	15.80	175.45	5,214.99	-1,353.58	107.82	1,356.63	0.00	0.00	
5,500.00	15.80	175.45	5,311.22	-1,380.72	109.98	1,383.82	0.00	0.00	
5,600.00	15.80	175.45	5,407.44	-1,407.85	112.14	1,411.02	0.00	0.00	
5,692.03	15.80	175.45	5,496.00	-1,432.82	114.13	1,436.05	0.00	0.00	WASATCH_G_ZONE.MBL (TVD)
5,700.00	15.80	175.45	5,503.67	-1,434.99	114.30	1,438.22	0.00	0.00	
5,800.00	15.80	175.45	5,599.89	-1,462.12	116.46	1,465.41	0.00	0.00	
5,900.00	15.80	175.45	5,696.11	-1,489.25	118.62	1,492.61	0.00	0.00	
6,000.00	15.80	175.45	5,792.34	-1,516.39	120.78	1,519.80	0.00	0.00	
6,003.81	15.80	175.45	5,796.00	-1,517.42	120.87	1,520.84	0.00	0.00	FORT_UNION.MBL (TVD)
6,100.00	15.80	175.45	5,888.56	-1,543.52	122.95	1,547.00	0.00	0.00	
6,200.00	15.80	175.45	5,984.79	-1,570.66	125.11	1,574.19	0.00	0.00	
6,300.00	15.80	175.45	6,081.01	-1,597.79	127.27	1,601.39	0.00	0.00	
6,400.00	15.80	175.45	6,177.23	-1,624.93	129.43	1,628.58	0.00	0.00	
6,500.00	15.80	175.45	6,273.46	-1,652.06	131.59	1,655.78	0.00	0.00	
6,600.00	15.80	175.45	6,369.68	-1,679.20	133.75	1,682.98	0.00	0.00	
6,700.00	15.80	175.45	6,465.91	-1,706.33	135.91	1,710.17	0.00	0.00	
6,800.00	15.80	175.45	6,562.13	-1,733.47	138.07	1,737.37	0.00	0.00	
6,900.00	15.80	175.45	6,658.35	-1,760.60	140.24	1,764.56	0.00	0.00	
7,000.00	15.80	175.45	6,754.58	-1,787.73	142.40	1,791.76	0.00	0.00	
7,100.00	15.80	175.45	6,850.80	-1,814.87	144.56	1,818.95	0.00	0.00	
7,200.00	15.80	175.45	6,947.03	-1,842.00	146.72	1,846.15	0.00	0.00	
7,300.00	15.80	175.45	7,043.25	-1,869.14	148.88	1,873.34	0.00	0.00	
7,400.00	15.80	175.45	7,139.47	-1,896.27	151.04	1,900.54	0.00	0.00	
7,414.26	15.80	175.45	7,153.19	-1,900.14	151.35	1,904.42	0.00	0.00	Start Drop -2.00
7,500.00	14.08	175.45	7,236.03	-1,922.17	153.11	1,926.50	2.00	-2.00	
7,600.00	12.08	175.45	7,333.44	-1,944.73	154.90	1,949.11	2.00	-2.00	
7,700.00	10.08	175.45	7,431.57	-1,963.89	156.43	1,968.31	2.00	-2.00	
7,800.00	8.08	175.45	7,530.31	-1,979.62	157.68	1,984.08	2.00	-2.00	
7,900.00	6.08	175.45	7,629.54	-1,991.91	158.66	1,996.39	2.00	-2.00	
8,000.00	4.08	175.45	7,729.14	-2,000.74	159.36	2,005.24	2.00	-2.00	
8,060.97	2.86	175.45	7,790.00	-2,004.42	159.66	2,008.93	2.00	-2.00	OHIO_CREEK.MBL (TVD)
8,100.00	2.08	175.45	7,828.99	-2,006.09	159.79	2,010.61	2.00	-2.00	
8,200.00	0.08	175.45	7,928.97	-2,007.97	159.94	2,012.49	2.00	-2.00	
8,204.03	0.00	0.00	7,933.00	-2,007.98	159.94	2,012.49	2.00	-2.00	Start DLS 3.00 TFO 250.00
8,254.70	1.52	250.00	7,983.66	-2,008.20	159.31	2,012.70	3.00	3.00	Start 3384.53 hold at 8254.70 MD
8,300.00	1.52	250.00	8,028.95	-2,008.62	158.18	2,013.07	0.00	0.00	
8,304.05	1.52	250.00	8,033.00	-2,008.65	158.08	2,013.10	0.00	0.00	WILLIAMS_FORK.MBL (TVD)
8,354.07	1.52	250.00	8,083.00	-2,009.11	156.83	2,013.51	0.00	0.00	TOP_GAS.MBL (TVD)
8,400.00	1.52	250.00	8,128.91	-2,009.52	155.69	2,013.89	0.00	0.00	
8,500.00	1.52	250.00	8,228.88	-2,010.43	153.19	2,014.70	0.00	0.00	
8,600.00	1.52	250.00	8,328.84	-2,011.34	150.70	2,015.52	0.00	0.00	
8,700.00	1.52	250.00	8,428.81	-2,012.24	148.21	2,016.33	0.00	0.00	
8,800.00	1.52	250.00	8,528.77	-2,013.15	145.72	2,017.15	0.00	0.00	
8,900.00	1.52	250.00	8,628.74	-2,014.06	143.22	2,017.96	0.00	0.00	
9,000.00	1.52	250.00	8,728.70	-2,014.97	140.73	2,018.78	0.00	0.00	
9,100.00	1.52	250.00	8,828.67	-2,015.87	138.24	2,019.59	0.00	0.00	
9,200.00	1.52	250.00	8,928.63	-2,016.78	135.74	2,020.41	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 NPR 24B-3 596
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Site:</b>	NPR A03 596 PAD	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24B-3 596	<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
9,300.00	1.52	250.00	9,028.60	-2,017.69	133.25	2,021.22	0.00	0.00	
9,400.00	1.52	250.00	9,128.56	-2,018.60	130.76	2,022.04	0.00	0.00	
9,500.00	1.52	250.00	9,228.53	-2,019.50	128.27	2,022.85	0.00	0.00	
9,600.00	1.52	250.00	9,328.49	-2,020.41	125.77	2,023.67	0.00	0.00	
9,700.00	1.52	250.00	9,428.45	-2,021.32	123.28	2,024.48	0.00	0.00	
9,800.00	1.52	250.00	9,528.42	-2,022.22	120.79	2,025.30	0.00	0.00	
9,900.00	1.52	250.00	9,628.38	-2,023.13	118.30	2,026.11	0.00	0.00	
10,000.00	1.52	250.00	9,728.35	-2,024.04	115.80	2,026.93	0.00	0.00	
10,100.00	1.52	250.00	9,828.31	-2,024.95	113.31	2,027.74	0.00	0.00	
10,200.00	1.52	250.00	9,928.28	-2,025.85	110.82	2,028.56	0.00	0.00	
10,300.00	1.52	250.00	10,028.24	-2,026.76	108.33	2,029.37	0.00	0.00	
10,400.00	1.52	250.00	10,128.21	-2,027.67	105.83	2,030.19	0.00	0.00	
10,500.00	1.52	250.00	10,228.17	-2,028.58	103.34	2,031.00	0.00	0.00	
10,600.00	1.52	250.00	10,328.14	-2,029.48	100.85	2,031.82	0.00	0.00	
10,700.00	1.52	250.00	10,428.10	-2,030.39	98.35	2,032.63	0.00	0.00	
10,800.00	1.52	250.00	10,528.07	-2,031.30	95.86	2,033.45	0.00	0.00	
10,900.00	1.52	250.00	10,628.03	-2,032.20	93.37	2,034.26	0.00	0.00	
10,938.98	1.52	250.00	10,667.00	-2,032.56	92.40	2,034.58	0.00	0.00	CAMEO.MBL (TVD)
11,000.00	1.52	250.00	10,728.00	-2,033.11	90.88	2,035.08	0.00	0.00	
11,100.00	1.52	250.00	10,827.96	-2,034.02	88.38	2,035.89	0.00	0.00	
11,200.00	1.52	250.00	10,927.93	-2,034.93	85.89	2,036.71	0.00	0.00	
11,300.00	1.52	250.00	11,027.89	-2,035.83	83.40	2,037.52	0.00	0.00	
11,400.00	1.52	250.00	11,127.86	-2,036.74	80.91	2,038.34	0.00	0.00	
11,489.17	1.52	250.00	11,217.00	-2,037.55	78.68	2,039.07	0.00	0.00	ROLLINS.MBL (TVD)
11,500.00	1.52	250.00	11,227.82	-2,037.65	78.41	2,039.15	0.00	0.00	
11,600.00	1.52	250.00	11,327.79	-2,038.56	75.92	2,039.97	0.00	0.00	
11,639.23	1.52	250.00	11,367.00	-2,038.91	74.94	2,040.29	0.00	0.00	TD at 11639.23 - NPR 24B-3 596_PBHL

### Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NPR 24B-3 596_PBHL	0.00	0.00	11,367.00	-2,038.91	74.94	14,408,435.00	2,443,600.10	39.641955	-108.147151
- hit/miss target									
- Shape									
- plan hits target center									
- Ellipse (radii L100.00 W50.00 on 250.00 azi)									

# Cathedral Energy Services

## Planning Report

<b>Database:</b>	USA EDM 5000 Multi Users DB	<b>Local Co-ordinate Reference:</b>	Well NPR 24B-3 596
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Project:</b>	Garfield County, CO (UTM 12N)	<b>MD Reference:</b>	GL+KB @ 8361.00usft (Original Well Elev)
<b>Site:</b>	NPR A03 596 PAD	<b>North Reference:</b>	True
<b>Well:</b>	NPR 24B-3 596	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	PLAN #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,202.01	3,100.00	WASATCH.MBL (TVD)				
5,692.03	5,496.00	WASATCH_G_ZONE.MBL (TVD)				
6,003.81	5,796.00	FORT_UNION.MBL (TVD)				
8,060.97	7,790.00	OHIO_CREEK.MBL (TVD)				
8,304.05	8,033.00	WILLIAMS_FORK.MBL (TVD)				
8,354.07	8,083.00	TOP_GAS.MBL (TVD)				
10,938.98	10,667.00	CAMEO.MBL (TVD)				
11,489.17	11,217.00	ROLLINS.MBL (TVD)				
11,639.23	11,367.00	TD.MBL (TVD)				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
150.00	150.00	0.00	0.00	Start Build 3.00
676.52	669.87	-71.89	5.73	Start 6737.74 hold at 676.52 MD
7,414.26	7,153.19	-1,900.14	151.35	Start Drop -2.00
8,204.03	7,933.00	-2,007.98	159.94	Start DLS 3.00 TFO 250.00
8,254.70	7,983.66	-2,008.20	159.31	Start 3384.53 hold at 8254.70 MD
11,639.23	11,367.00	-2,038.91	74.94	TD at 11639.23