



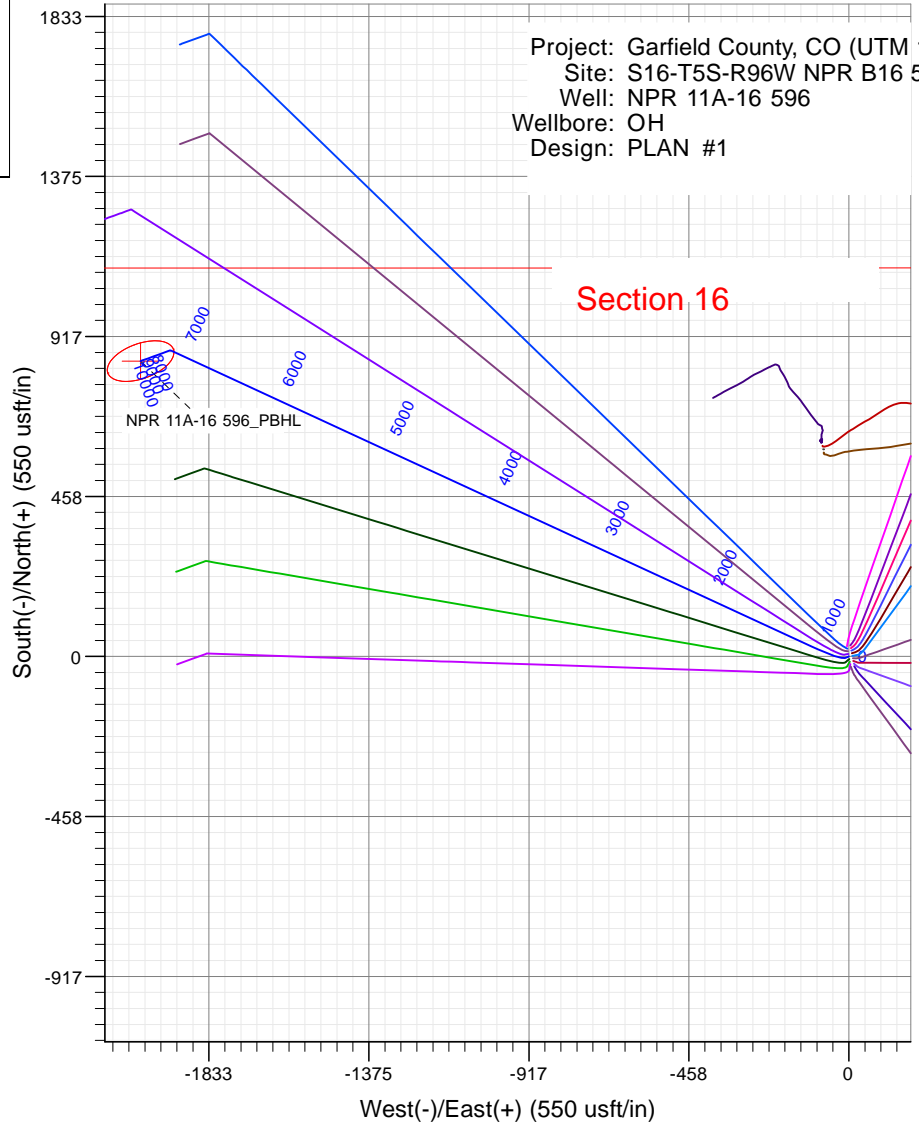
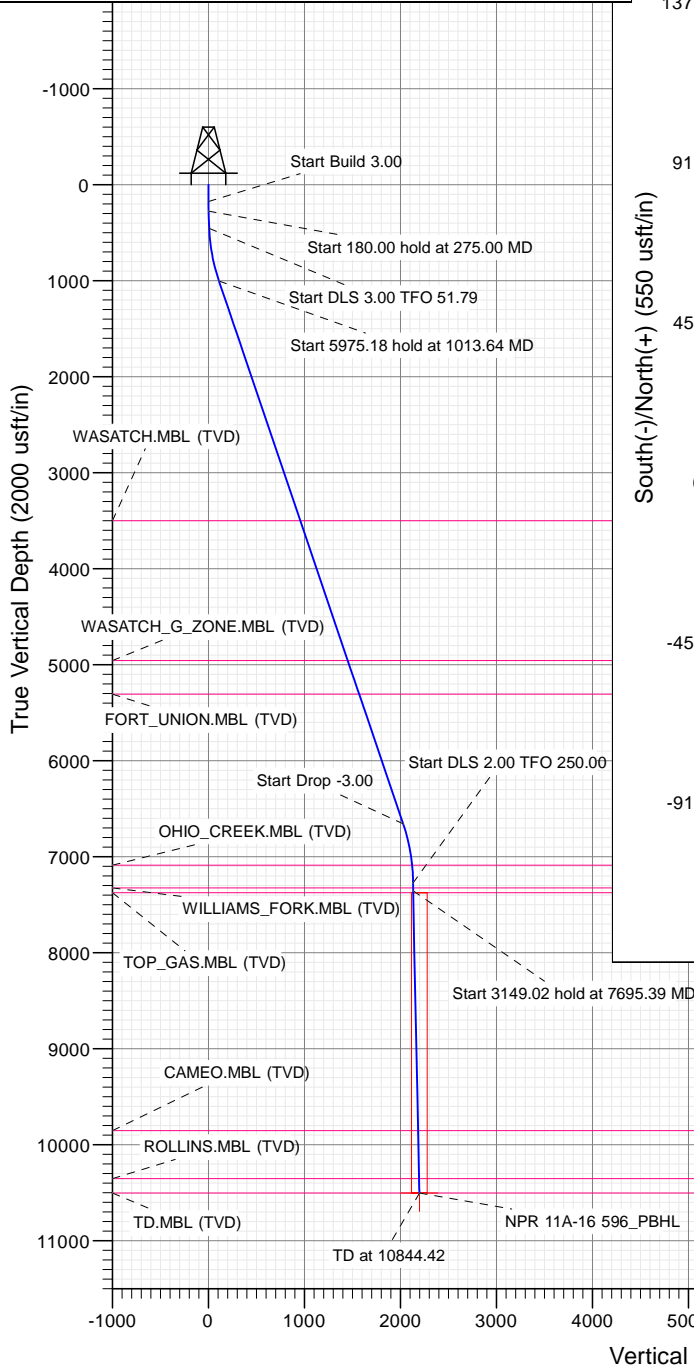
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	175.00	0.00	0.00	175.00	0.00	0.00	0.00	0.00	0.00	
3	275.00	3.00	250.00	274.95	-0.90	-2.46	3.00	250.00	1.93	
4	455.00	3.00	250.00	454.71	-4.12	-11.31	0.00	0.00	8.86	
5	1013.64	18.76	294.79	1002.04	28.78	-107.29	3.00	51.79	110.10	
6	6988.82	18.76	294.79	6659.79	834.42	-1851.85	0.00	0.00	2030.34	
7	7614.14	0.00	0.00	7274.00	876.96	-1943.96	3.00	180.00	2131.73	
8	7695.39	1.63	250.00	7355.24	876.56	-1945.04	2.00	250.00	2132.58	
9	10844.42	1.63	250.00	10503.00	846.02	-2028.96	0.00	0.00	2198.28	NPR 11A-16 596_PBHL

PLAN #1
NPR 11A-16 596
GL + KB @ 8321.00est (Original Well Elev)
Ground Level @ 8291.00
NAD 1927 - Western US
Well NPR 11A-16 596 - Slot 11A, True North

Type	Target	Asimuth	Origin	Type	N/S	E/W	From	TVD
TD	No Target (Freehand)	292.63	Slot		0.00	0.00	0.00	0.00
Name		TVD	+N/-S	+E/-W	Latitude	Longitude		
NPR 11A-16 596_PBHL		10503.00	846.02	-2028.96	39.621621	-108.178546		

Project: Garfield County, CO (UTM 12N)
Site: S16-T5S-R96W NPR B16 596
Well: NPR 11A-16 596
Wellbore: OH
Design: PLAN #1



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3500.00	3651.75	WASATCH.MBL (TVD)
4957.00	5190.49	WASATCH_G_ZONE.MBL (TVD)
5307.00	5560.13	FORT_UNION.MBL (TVD)
7089.00	7428.85	OHIO_CREEK.MBL (TVD)
7324.00	7664.14	WILLIAMS_FORK.MBL (TVD)
7374.00	7714.16	TOP_GAS.MBL (TVD)
9853.00	10194.16	CAMEO.MBL (TVD)
10353.00	10694.36	ROLLINS.MBL (TVD)
10503.00	10844.42	TD.MBL (TVD)

T M

Azimuths to True North
Magnetic North: 9.65°

Magnetic Field
Strength: 51443.2nT
Dip Angle: 65.90°
Date: 6/15/2018
Model: HDGM_FILE

WELL DETAILS: NPR 11A-16 596

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14399968.30	2437047.30	39.619299	-108.171346

11A

CATHEDRAL



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NPR 11A-16 596 - Slot 11A
Company:	Caerus Oil & Gas	TVD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR B16 596	North Reference:	True
Well:	NPR 11A-16 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Project	Garfield County, CO (UTM 12N)		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site		S16-T5S-R96W NPR B16 596			
Site Position:		Northing:	14,399,939.00 usft	Latitude:	39.619218
From:	Map	Easting:	2,437,053.80 usft	Longitude:	-108.171326
Position Uncertainty:	3.28 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.80 °

Well	NPR 11A-16 596 - Slot 11A					
Well Position	+N/-S	0.00 usft	Northing:	14,399,968.30 usft	Latitude:	39.619299
	+E/-W	0.00 usft	Easting:	2,437,047.30 usft	Longitude:	-108.171346
Position Uncertainty		3.28 usft	Wellhead Elevation:	usft	Ground Level:	8,291.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	6/15/2018	9.65	65.90	51,443.20000000

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	292.63

Plan Sections										
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	
175.00	0.00	0.00	175.00	0.00	0.00	0.00	0.00	0.00	0.00	
275.00	3.00	250.00	274.95	-0.90	-2.46	3.00	3.00	0.00	250.00	
455.00	3.00	250.00	454.71	-4.12	-11.31	0.00	0.00	0.00	0.00	
1,013.64	18.76	294.79	1,002.04	28.78	-107.29	3.00	2.82	8.02	51.79	
6,988.82	18.76	294.79	6,659.79	834.42	-1,851.85	0.00	0.00	0.00	0.00	
7,614.14	0.00	0.00	7,274.00	876.96	-1,943.96	3.00	-3.00	0.00	180.00	
7,695.39	1.63	250.00	7,355.24	876.56	-1,945.04	2.00	2.00	-135.38	250.00	
10,844.42	1.63	250.00	10,503.00	846.02	-2,028.96	0.00	0.00	0.00	0.00	NPR 11A-16 596_PBI

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NPR 11A-16 596 - Slot 11A
Company:	Caerus Oil & Gas	TVD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR B16 596	North Reference:	True
Well:	NPR 11A-16 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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	
175.00	0.00	0.00	175.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
200.00	0.75	250.00	200.00	-0.06	-0.15	0.12	3.00	3.00	
275.00	3.00	250.00	274.95	-0.90	-2.46	1.93	3.00	3.00	Start 180.00 hold at 275.00 MD
300.00	3.00	250.00	299.92	-1.34	-3.69	2.89	0.00	0.00	
400.00	3.00	250.00	399.78	-3.13	-8.61	6.74	0.00	0.00	
455.00	3.00	250.00	454.71	-4.12	-11.31	8.86	0.00	0.00	Start DLS 3.00 TFO 51.79
500.00	3.98	265.47	499.62	-4.64	-13.97	11.11	3.00	2.18	
600.00	6.64	281.04	599.19	-3.81	-23.11	19.86	3.00	2.66	
700.00	9.50	287.51	698.19	-0.22	-36.65	33.75	3.00	2.86	
800.00	12.43	290.98	796.36	6.12	-54.58	52.73	3.00	2.93	
900.00	15.38	293.15	893.42	15.19	-76.83	76.75	3.00	2.96	
1,000.00	18.35	294.62	989.10	26.96	-103.34	105.76	3.00	2.97	
1,013.64	18.76	294.79	1,002.04	28.78	-107.29	110.10	3.00	2.97	Start 5975.18 hold at 1013.64 MD
1,100.00	18.76	294.79	1,083.81	40.42	-132.50	137.85	0.00	0.00	
1,200.00	18.76	294.79	1,178.49	53.91	-161.70	169.99	0.00	0.00	
1,300.00	18.76	294.79	1,273.18	67.39	-190.89	202.13	0.00	0.00	
1,400.00	18.76	294.79	1,367.87	80.87	-220.09	234.26	0.00	0.00	
1,500.00	18.76	294.79	1,462.56	94.35	-249.29	266.40	0.00	0.00	
1,600.00	18.76	294.79	1,557.25	107.84	-278.48	298.54	0.00	0.00	
1,700.00	18.76	294.79	1,651.93	121.32	-307.68	330.67	0.00	0.00	
1,800.00	18.76	294.79	1,746.62	134.80	-336.88	362.81	0.00	0.00	
1,900.00	18.76	294.79	1,841.31	148.29	-366.07	394.95	0.00	0.00	
2,000.00	18.76	294.79	1,936.00	161.77	-395.27	427.08	0.00	0.00	
2,100.00	18.76	294.79	2,030.68	175.25	-424.47	459.22	0.00	0.00	
2,200.00	18.76	294.79	2,125.37	188.74	-453.67	491.36	0.00	0.00	
2,300.00	18.76	294.79	2,220.06	202.22	-482.86	523.50	0.00	0.00	
2,400.00	18.76	294.79	2,314.75	215.70	-512.06	555.63	0.00	0.00	
2,500.00	18.76	294.79	2,409.43	229.19	-541.26	587.77	0.00	0.00	
2,600.00	18.76	294.79	2,504.12	242.67	-570.45	619.91	0.00	0.00	
2,700.00	18.76	294.79	2,598.81	256.15	-599.65	652.04	0.00	0.00	
2,800.00	18.76	294.79	2,693.50	269.64	-628.85	684.18	0.00	0.00	
2,900.00	18.76	294.79	2,788.18	283.12	-658.04	716.32	0.00	0.00	
3,000.00	18.76	294.79	2,882.87	296.60	-687.24	748.46	0.00	0.00	
3,100.00	18.76	294.79	2,977.56	310.08	-716.44	780.59	0.00	0.00	
3,200.00	18.76	294.79	3,072.25	323.57	-745.63	812.73	0.00	0.00	
3,300.00	18.76	294.79	3,166.94	337.05	-774.83	844.87	0.00	0.00	
3,400.00	18.76	294.79	3,261.62	350.53	-804.03	877.00	0.00	0.00	
3,500.00	18.76	294.79	3,356.31	364.02	-833.22	909.14	0.00	0.00	
3,600.00	18.76	294.79	3,451.00	377.50	-862.42	941.28	0.00	0.00	
3,651.75	18.76	294.79	3,500.00	384.48	-877.53	957.91	0.00	0.00	WASATCH.MBL (TVD)
3,700.00	18.76	294.79	3,545.69	390.98	-891.62	973.41	0.00	0.00	
3,800.00	18.76	294.79	3,640.37	404.47	-920.81	1,005.55	0.00	0.00	
3,900.00	18.76	294.79	3,735.06	417.95	-950.01	1,037.69	0.00	0.00	
4,000.00	18.76	294.79	3,829.75	431.43	-979.21	1,069.83	0.00	0.00	
4,100.00	18.76	294.79	3,924.44	444.92	-1,008.40	1,101.96	0.00	0.00	
4,200.00	18.76	294.79	4,019.12	458.40	-1,037.60	1,134.10	0.00	0.00	
4,300.00	18.76	294.79	4,113.81	471.88	-1,066.80	1,166.24	0.00	0.00	
4,400.00	18.76	294.79	4,208.50	485.36	-1,096.00	1,198.37	0.00	0.00	
4,500.00	18.76	294.79	4,303.19	498.85	-1,125.19	1,230.51	0.00	0.00	
4,600.00	18.76	294.79	4,397.87	512.33	-1,154.39	1,262.65	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NPR 11A-16 596 - Slot 11A
Company:	Caerus Oil & Gas	TVD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR B16 596	North Reference:	True
Well:	NPR 11A-16 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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
4,700.00	18.76	294.79	4,492.56	525.81	-1,183.59	1,294.78	0.00	0.00	
4,800.00	18.76	294.79	4,587.25	539.30	-1,212.78	1,326.92	0.00	0.00	
4,900.00	18.76	294.79	4,681.94	552.78	-1,241.98	1,359.06	0.00	0.00	
5,000.00	18.76	294.79	4,776.63	566.26	-1,271.18	1,391.20	0.00	0.00	
5,100.00	18.76	294.79	4,871.31	579.75	-1,300.37	1,423.33	0.00	0.00	
5,190.49	18.76	294.79	4,957.00	591.95	-1,326.79	1,452.42	0.00	0.00	WASATCH_G_ZONE.MBL (TVD)
5,200.00	18.76	294.79	4,966.00	593.23	-1,329.57	1,455.47	0.00	0.00	
5,300.00	18.76	294.79	5,060.69	606.71	-1,358.77	1,487.61	0.00	0.00	
5,400.00	18.76	294.79	5,155.38	620.20	-1,387.96	1,519.74	0.00	0.00	
5,500.00	18.76	294.79	5,250.06	633.68	-1,417.16	1,551.88	0.00	0.00	
5,560.13	18.76	294.79	5,307.00	641.79	-1,434.72	1,571.21	0.00	0.00	FORT_UNION.MBL (TVD)
5,600.00	18.76	294.79	5,344.75	647.16	-1,446.36	1,584.02	0.00	0.00	
5,700.00	18.76	294.79	5,439.44	660.65	-1,475.55	1,616.16	0.00	0.00	
5,800.00	18.76	294.79	5,534.13	674.13	-1,504.75	1,648.29	0.00	0.00	
5,900.00	18.76	294.79	5,628.81	687.61	-1,533.95	1,680.43	0.00	0.00	
6,000.00	18.76	294.79	5,723.50	701.09	-1,563.14	1,712.57	0.00	0.00	
6,100.00	18.76	294.79	5,818.19	714.58	-1,592.34	1,744.70	0.00	0.00	
6,200.00	18.76	294.79	5,912.88	728.06	-1,621.54	1,776.84	0.00	0.00	
6,300.00	18.76	294.79	6,007.56	741.54	-1,650.73	1,808.98	0.00	0.00	
6,400.00	18.76	294.79	6,102.25	755.03	-1,679.93	1,841.11	0.00	0.00	
6,500.00	18.76	294.79	6,196.94	768.51	-1,709.13	1,873.25	0.00	0.00	
6,600.00	18.76	294.79	6,291.63	781.99	-1,738.33	1,905.39	0.00	0.00	
6,700.00	18.76	294.79	6,386.32	795.48	-1,767.52	1,937.53	0.00	0.00	
6,800.00	18.76	294.79	6,481.00	808.96	-1,796.72	1,969.66	0.00	0.00	
6,900.00	18.76	294.79	6,575.69	822.44	-1,825.92	2,001.80	0.00	0.00	
6,988.82	18.76	294.79	6,659.79	834.42	-1,851.85	2,030.34	0.00	0.00	Start Drop -3.00
7,000.00	18.42	294.79	6,670.39	835.91	-1,855.08	2,033.91	3.00	-3.00	
7,100.00	15.42	294.79	6,766.05	848.12	-1,881.51	2,062.99	3.00	-3.00	
7,200.00	12.42	294.79	6,863.10	858.20	-1,903.35	2,087.04	3.00	-3.00	
7,300.00	9.42	294.79	6,961.27	866.15	-1,920.56	2,105.97	3.00	-3.00	
7,400.00	6.42	294.79	7,060.31	871.93	-1,933.07	2,119.75	3.00	-3.00	
7,428.85	5.56	294.79	7,089.00	873.19	-1,935.81	2,122.76	3.00	-3.00	OHIO_CREEK.MBL (TVD)
7,500.00	3.42	294.79	7,159.93	875.53	-1,940.86	2,128.32	3.00	-3.00	
7,600.00	0.42	294.79	7,259.86	876.93	-1,943.91	2,131.68	3.00	-3.00	
7,614.14	0.00	0.00	7,274.00	876.96	-1,943.96	2,131.73	3.00	-3.00	Start DLS 2.00 TFO 250.00
7,664.14	1.00	250.00	7,324.00	876.81	-1,944.37	2,132.05	2.00	2.00	WILLIAMS_FORK.MBL (TVD)
7,695.39	1.63	250.00	7,355.24	876.56	-1,945.04	2,132.58	2.00	2.00	Start 3149.02 hold at 7695.39 MD
7,700.00	1.63	250.00	7,359.85	876.52	-1,945.17	2,132.67	0.00	0.00	
7,714.16	1.63	250.00	7,374.00	876.38	-1,945.54	2,132.97	0.00	0.00	TOP_GAS.MBL (TVD)
7,800.00	1.63	250.00	7,459.81	875.55	-1,947.83	2,134.76	0.00	0.00	
7,900.00	1.63	250.00	7,559.77	874.58	-1,950.50	2,136.85	0.00	0.00	
8,000.00	1.63	250.00	7,659.73	873.61	-1,953.16	2,138.93	0.00	0.00	
8,100.00	1.63	250.00	7,759.69	872.64	-1,955.83	2,141.02	0.00	0.00	
8,200.00	1.63	250.00	7,859.65	871.67	-1,958.49	2,143.11	0.00	0.00	
8,300.00	1.63	250.00	7,959.61	870.70	-1,961.16	2,145.19	0.00	0.00	
8,400.00	1.63	250.00	8,059.57	869.73	-1,963.82	2,147.28	0.00	0.00	
8,500.00	1.63	250.00	8,159.52	868.76	-1,966.48	2,149.37	0.00	0.00	
8,600.00	1.63	250.00	8,259.48	867.79	-1,969.15	2,151.45	0.00	0.00	
8,700.00	1.63	250.00	8,359.44	866.82	-1,971.81	2,153.54	0.00	0.00	
8,800.00	1.63	250.00	8,459.40	865.85	-1,974.48	2,155.63	0.00	0.00	
8,900.00	1.63	250.00	8,559.36	864.88	-1,977.14	2,157.71	0.00	0.00	
9,000.00	1.63	250.00	8,659.32	863.91	-1,979.81	2,159.80	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NPR 11A-16 596 - Slot 11A
Company:	Caerus Oil & Gas	TVD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR B16 596	North Reference:	True
Well:	NPR 11A-16 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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
9,100.00	1.63	250.00	8,759.28	862.94	-1,982.47	2,161.88	0.00	0.00	
9,200.00	1.63	250.00	8,859.24	861.97	-1,985.14	2,163.97	0.00	0.00	
9,300.00	1.63	250.00	8,959.20	861.00	-1,987.80	2,166.06	0.00	0.00	
9,400.00	1.63	250.00	9,059.16	860.03	-1,990.47	2,168.14	0.00	0.00	
9,500.00	1.63	250.00	9,159.12	859.06	-1,993.13	2,170.23	0.00	0.00	
9,600.00	1.63	250.00	9,259.08	858.09	-1,995.80	2,172.32	0.00	0.00	
9,700.00	1.63	250.00	9,359.04	857.12	-1,998.46	2,174.40	0.00	0.00	
9,800.00	1.63	250.00	9,459.00	856.15	-2,001.13	2,176.49	0.00	0.00	
9,900.00	1.63	250.00	9,558.96	855.18	-2,003.79	2,178.58	0.00	0.00	
10,000.00	1.63	250.00	9,658.92	854.21	-2,006.46	2,180.66	0.00	0.00	
10,100.00	1.63	250.00	9,758.88	853.24	-2,009.12	2,182.75	0.00	0.00	
10,194.16	1.63	250.00	9,853.00	852.33	-2,011.63	2,184.71	0.00	0.00	CAMEO.MBL (TVD)
10,200.00	1.63	250.00	9,858.84	852.27	-2,011.79	2,184.84	0.00	0.00	
10,300.00	1.63	250.00	9,958.80	851.30	-2,014.45	2,186.92	0.00	0.00	
10,400.00	1.63	250.00	10,058.76	850.33	-2,017.12	2,189.01	0.00	0.00	
10,500.00	1.63	250.00	10,158.72	849.36	-2,019.78	2,191.09	0.00	0.00	
10,600.00	1.63	250.00	10,258.68	848.39	-2,022.45	2,193.18	0.00	0.00	
10,694.36	1.63	250.00	10,353.00	847.48	-2,024.96	2,195.15	0.00	0.00	ROLLINS.MBL (TVD)
10,700.00	1.63	250.00	10,358.64	847.42	-2,025.11	2,195.27	0.00	0.00	
10,800.00	1.63	250.00	10,458.60	846.45	-2,027.78	2,197.35	0.00	0.00	
10,844.42	1.63	250.00	10,503.00	846.02	-2,028.96	2,198.28	0.00	0.00	TD at 10844.42 - TD.MBL (TVD) - NPR 11A-16

Targets									
Target Name									
- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- Shape									
NPR 11A-16 596_PBHL	0.00	0.00	10,503.00	846.02	-2,028.96	14,400,750.00	2,434,992.70	39.621621	-108.178546
- plan hits target center									
- Ellipse (radii L100.00 W50.00 on 250.00 azi)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,651.75	3,500.00	WASATCH.MBL (TVD)				
5,190.49	4,957.00	WASATCH_G_ZONE.MBL (TVD)				
5,560.13	5,307.00	FORT_UNION.MBL (TVD)				
7,428.85	7,089.00	OHIO_CREEK.MBL (TVD)				
7,664.14	7,324.00	WILLIAMS_FORK.MBL (TVD)				
7,714.16	7,374.00	TOP_GAS.MBL (TVD)				
10,194.16	9,853.00	CAMEO.MBL (TVD)				
10,694.36	10,353.00	ROLLINS.MBL (TVD)				
10,844.42	10,503.00	TD.MBL (TVD)				

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well NPR 11A-16 596 - Slot 11A
Company:	Caerus Oil & Gas	TVD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	MD Reference:	GL + KB @ 8321.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR B16 596	North Reference:	True
Well:	NPR 11A-16 596	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
175.00	175.00	0.00	0.00	Start Build 3.00
275.00	274.95	-0.90	-2.46	Start 180.00 hold at 275.00 MD
455.00	454.71	-4.12	-11.31	Start DLS 3.00 TFO 51.79
1,013.64	1,002.04	28.78	-107.29	Start 5975.18 hold at 1013.64 MD
6,988.82	6,659.79	834.42	-1,851.85	Start Drop -3.00
7,614.14	7,274.00	876.96	-1,943.96	Start DLS 2.00 TFO 250.00
7,695.39	7,355.24	876.56	-1,945.04	Start 3149.02 hold at 7695.39 MD
10,844.42	10,503.00	846.02	-2,028.96	TD at 10844.42