CAERUS OIL AND GAS LLC

SECTION DETAILS

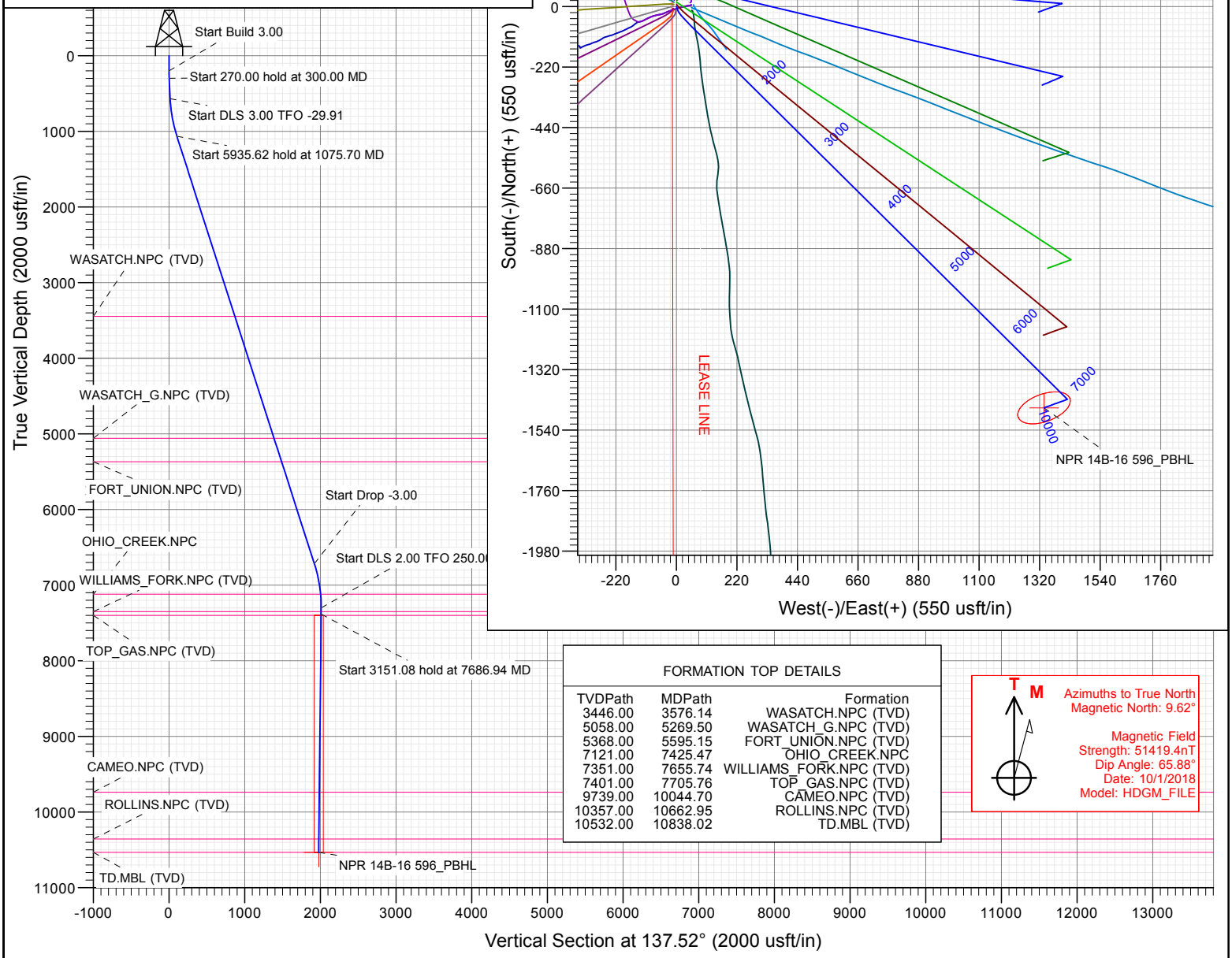
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
3	300.00	3.00	160.00	299.95	-2.46	0.90	3.00	160.00	2.42	
4	570.00	3.00	160.00	569.58	-15.74	5.73	0.00	0.00	15.48	
5	1075.70	17.83	134.78	1065.69	-83.11	65.56	3.00	-29.91	105.57	
6	7011.31	17.83	134.78	6716.13	-1363.54	1355.76	0.00	0.00	1921.21	
7	7605.74	0.00	0.00	7301.00	-1428.18	1420.89	3.00	180.00	2012.87	
8	7686.94	1.62	250.00	7382.19	-1428.57	1419.81	2.00	250.00	2012.43	
9	10838.02	1.62	250.00	10532.00	-1459.12	1335.89	0.00	0.00	1978.29	NPR 14B-16 596_PBHL

PLAN #1
NPR 14B-16 596
GL+KB @ 8405.00usft (Original Well Elev)
Ground Level @ 8375.00
NAD 1927 - Western US
Well NPR 14B-16 596 - Slot NPR 14B-16 596, True North

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	137.52	Slot	0.00	0.00	0.00

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
NPR 14B-16 596_PBHL	10532.00	-1459.12	1335.89	39.612389	-108.178070

Project: Garfield County, CO (UTM 12N)
Site: S16-T5S-R96W NPR E16 596
Well: NPR 14B-16 596
Wellbore: OH
Design: PLAN #1



FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3446.00	3576.14	WASATCH.NPC (TVD)
5058.00	5269.50	WASATCH_G.NPC (TVD)
5368.00	5595.15	FORT_UNION.NPC (TVD)
7121.00	7425.47	OHIO_CREEK.NPC
7351.00	7655.74	WILLIAMS_FORK.NPC (TVD)
7401.00	7705.76	TOP_GAS.NPC (TVD)
9739.00	10044.70	CAMEO.NPC (TVD)
10357.00	10662.95	ROLLINS.NPC (TVD)
10532.00	10838.02	TD.MBL (TVD)

T M
Azimuths to True North
Magnetic North: 9.62°

Magnetic Field
Strength: 51419.4nT
Dip Angle: 65.88°
Date: 10/1/2018
Model: HDGM_FILE

WELL DETAILS: NPR 14B-16 596

8375.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	14398808.70	2433851.60	39.616394	-108.182810	NPR 14B-16 596

CATHEDRAL

Planning Report

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well NPR 14B-16 596 - Slot NPR 14B-16 596
Company:	Caerus Oil & Gas	**TVD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	**MD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR E16 596	**North Reference:**	True
Well:	NPR 14B-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 E16 596, Gravity=0.997525

Site Position:		**Northing:**	14,398,968.90 usft	**Latitude:**	39.616834
From:	Lat/Long	**Easting:**	2,433,848.20 usft	**Longitude:**	-108.182804
Position Uncertainty:	3.28 usft	**Slot Radius:**	13-3/16"	**Grid Convergence:**	1.80 °

Well NPR 14B-16 596 - Slot NPR 14B-16 596

Well Position	**+N/-S**	0.00 usft	**Northing:**	14,398,808.70 usft	**Latitude:**	39.616394
	+E/-W	0.00 usft	**Easting:**	2,433,851.60 usft	**Longitude:**	-108.182810
Position Uncertainty		3.28 usft	**Wellhead Elevation:**	usft	**Ground Level:**	8,375.00 usft

Wellbore OH

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	HDGM_FILE	10/1/2018	9.62	65.88	51,419.40000000

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	137.52

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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	3.00	160.00	299.95	-2.46	0.90	3.00	3.00	0.00	160.00	
570.00	3.00	160.00	569.58	-15.74	5.73	0.00	0.00	0.00	0.00	
1,075.70	17.83	134.78	1,065.69	-83.11	65.56	3.00	2.93	-4.99	-29.91	
7,011.31	17.83	134.78	6,716.13	-1,363.54	1,355.76	0.00	0.00	0.00	0.00	
7,605.74	0.00	0.00	7,301.00	-1,428.18	1,420.89	3.00	-3.00	0.00	180.00	
7,686.94	1.62	250.00	7,382.19	-1,428.57	1,419.81	2.00	2.00	-135.47	250.00	
10,838.02	1.62	250.00	10,532.00	-1,459.12	1,335.89	0.00	0.00	0.00	0.00	NPR 14B-16 596_PBI

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well NPR 14B-16 596 - Slot NPR 14B-16 596
Company:	Caerus Oil & Gas	**TVD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	**MD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR E16 596	**North Reference:**	True
Well:	NPR 14B-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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	Start Build 3.00
300.00	3.00	160.00	299.95	-2.46	0.90	2.42	3.00	3.00	Start 270.00 hold at 300.00 MD
400.00	3.00	160.00	399.82	-7.38	2.69	7.25	0.00	0.00	
500.00	3.00	160.00	499.68	-12.30	4.48	12.09	0.00	0.00	
570.00	3.00	160.00	569.58	-15.74	5.73	15.48	0.00	0.00	Start DLS 3.00 TFO -29.91
600.00	3.81	153.23	599.53	-17.36	6.45	17.16	3.00	2.69	
700.00	6.67	143.03	699.11	-24.97	11.43	26.14	3.00	2.86	
800.00	9.62	138.99	798.09	-35.92	20.41	40.27	3.00	2.95	
900.00	12.59	136.84	896.20	-50.17	33.35	59.52	3.00	2.97	
1,000.00	15.57	135.50	993.19	-67.70	50.21	83.84	3.00	2.98	
1,075.70	17.83	134.78	1,065.69	-83.11	65.56	105.57	3.00	2.99	Start 5935.62 hold at 1075.70 MD
1,100.00	17.83	134.78	1,088.82	-88.35	70.85	113.01	0.00	0.00	
1,200.00	17.83	134.78	1,184.02	-109.93	92.58	143.60	0.00	0.00	
1,300.00	17.83	134.78	1,279.21	-131.50	114.32	174.19	0.00	0.00	
1,400.00	17.83	134.78	1,374.41	-153.07	136.06	204.78	0.00	0.00	
1,500.00	17.83	134.78	1,469.61	-174.64	157.79	235.36	0.00	0.00	
1,600.00	17.83	134.78	1,564.80	-196.21	179.53	265.95	0.00	0.00	
1,700.00	17.83	134.78	1,660.00	-217.79	201.27	296.54	0.00	0.00	
1,800.00	17.83	134.78	1,755.19	-239.36	223.00	327.13	0.00	0.00	
1,900.00	17.83	134.78	1,850.39	-260.93	244.74	357.72	0.00	0.00	
2,000.00	17.83	134.78	1,945.58	-282.50	266.48	388.31	0.00	0.00	
2,100.00	17.83	134.78	2,040.78	-304.07	288.21	418.90	0.00	0.00	
2,200.00	17.83	134.78	2,135.97	-325.65	309.95	449.49	0.00	0.00	
2,300.00	17.83	134.78	2,231.17	-347.22	331.69	480.08	0.00	0.00	
2,400.00	17.83	134.78	2,326.36	-368.79	353.42	510.66	0.00	0.00	
2,500.00	17.83	134.78	2,421.56	-390.36	375.16	541.25	0.00	0.00	
2,600.00	17.83	134.78	2,516.76	-411.93	396.89	571.84	0.00	0.00	
2,700.00	17.83	134.78	2,611.95	-433.51	418.63	602.43	0.00	0.00	
2,800.00	17.83	134.78	2,707.15	-455.08	440.37	633.02	0.00	0.00	
2,900.00	17.83	134.78	2,802.34	-476.65	462.10	663.61	0.00	0.00	
3,000.00	17.83	134.78	2,897.54	-498.22	483.84	694.20	0.00	0.00	
3,100.00	17.83	134.78	2,992.73	-519.79	505.58	724.79	0.00	0.00	
3,200.00	17.83	134.78	3,087.93	-541.37	527.31	755.38	0.00	0.00	
3,300.00	17.83	134.78	3,183.12	-562.94	549.05	785.96	0.00	0.00	
3,400.00	17.83	134.78	3,278.32	-584.51	570.79	816.55	0.00	0.00	
3,500.00	17.83	134.78	3,373.51	-606.08	592.52	847.14	0.00	0.00	
3,576.14	17.83	134.78	3,446.00	-622.51	609.07	870.43	0.00	0.00	WASATCH.NPC (TVD)
3,600.00	17.83	134.78	3,468.71	-627.65	614.26	877.73	0.00	0.00	
3,700.00	17.83	134.78	3,563.91	-649.23	636.00	908.32	0.00	0.00	
3,800.00	17.83	134.78	3,659.10	-670.80	657.73	938.91	0.00	0.00	
3,900.00	17.83	134.78	3,754.30	-692.37	679.47	969.50	0.00	0.00	
4,000.00	17.83	134.78	3,849.49	-713.94	701.21	1,000.09	0.00	0.00	
4,100.00	17.83	134.78	3,944.69	-735.51	722.94	1,030.68	0.00	0.00	
4,200.00	17.83	134.78	4,039.88	-757.09	744.68	1,061.26	0.00	0.00	
4,300.00	17.83	134.78	4,135.08	-778.66	766.42	1,091.85	0.00	0.00	
4,400.00	17.83	134.78	4,230.27	-800.23	788.15	1,122.44	0.00	0.00	
4,500.00	17.83	134.78	4,325.47	-821.80	809.89	1,153.03	0.00	0.00	
4,600.00	17.83	134.78	4,420.66	-843.37	831.62	1,183.62	0.00	0.00	
4,700.00	17.83	134.78	4,515.86	-864.95	853.36	1,214.21	0.00	0.00	
4,800.00	17.83	134.78	4,611.06	-886.52	875.10	1,244.80	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well NPR 14B-16 596 - Slot NPR 14B-16 596
Company:	Caerus Oil & Gas	**TVD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	**MD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR E16 596	**North Reference:**	True
Well:	NPR 14B-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
4,900.00	17.83	134.78	4,706.25	-908.09	896.83	1,275.39	0.00	0.00	
5,000.00	17.83	134.78	4,801.45	-929.66	918.57	1,305.98	0.00	0.00	
5,100.00	17.83	134.78	4,896.64	-951.23	940.31	1,336.56	0.00	0.00	
5,200.00	17.83	134.78	4,991.84	-972.81	962.04	1,367.15	0.00	0.00	
5,269.50	17.83	134.78	5,058.00	-987.80	977.15	1,388.41	0.00	0.00	WASATCH_G.NPC (TVD)
5,300.00	17.83	134.78	5,087.03	-994.38	983.78	1,397.74	0.00	0.00	
5,400.00	17.83	134.78	5,182.23	-1,015.95	1,005.52	1,428.33	0.00	0.00	
5,500.00	17.83	134.78	5,277.42	-1,037.52	1,027.25	1,458.92	0.00	0.00	
5,595.15	17.83	134.78	5,368.00	-1,058.05	1,047.93	1,488.02	0.00	0.00	FORT_UNION.NPC (TVD)
5,600.00	17.83	134.78	5,372.62	-1,059.09	1,048.99	1,489.51	0.00	0.00	
5,700.00	17.83	134.78	5,467.81	-1,080.67	1,070.73	1,520.10	0.00	0.00	
5,800.00	17.83	134.78	5,563.01	-1,102.24	1,092.46	1,550.69	0.00	0.00	
5,900.00	17.83	134.78	5,658.21	-1,123.81	1,114.20	1,581.28	0.00	0.00	
6,000.00	17.83	134.78	5,753.40	-1,145.38	1,135.94	1,611.86	0.00	0.00	
6,100.00	17.83	134.78	5,848.60	-1,166.95	1,157.67	1,642.45	0.00	0.00	
6,200.00	17.83	134.78	5,943.79	-1,188.53	1,179.41	1,673.04	0.00	0.00	
6,300.00	17.83	134.78	6,038.99	-1,210.10	1,201.15	1,703.63	0.00	0.00	
6,400.00	17.83	134.78	6,134.18	-1,231.67	1,222.88	1,734.22	0.00	0.00	
6,500.00	17.83	134.78	6,229.38	-1,253.24	1,244.62	1,764.81	0.00	0.00	
6,600.00	17.83	134.78	6,324.57	-1,274.81	1,266.35	1,795.40	0.00	0.00	
6,700.00	17.83	134.78	6,419.77	-1,296.39	1,288.09	1,825.99	0.00	0.00	
6,800.00	17.83	134.78	6,514.96	-1,317.96	1,309.83	1,856.58	0.00	0.00	
6,900.00	17.83	134.78	6,610.16	-1,339.53	1,331.56	1,887.16	0.00	0.00	
7,000.00	17.83	134.78	6,705.36	-1,361.10	1,353.30	1,917.75	0.00	0.00	
7,011.31	17.83	134.78	6,716.13	-1,363.54	1,355.76	1,921.21	0.00	0.00	Start Drop -3.00
7,100.00	15.17	134.78	6,801.15	-1,381.29	1,373.64	1,946.37	3.00	-3.00	
7,200.00	12.17	134.78	6,898.31	-1,397.93	1,390.41	1,969.98	3.00	-3.00	
7,300.00	9.17	134.78	6,996.57	-1,410.98	1,403.56	1,988.48	3.00	-3.00	
7,400.00	6.17	134.78	7,095.66	-1,420.38	1,413.03	2,001.81	3.00	-3.00	
7,425.47	5.41	134.78	7,121.00	-1,422.19	1,414.86	2,004.38	3.00	-3.00	OHIO_CREEK.NPC
7,500.00	3.17	134.78	7,195.32	-1,426.12	1,418.81	2,009.95	3.00	-3.00	
7,600.00	0.17	134.78	7,295.26	-1,428.17	1,420.88	2,012.86	3.00	-3.00	
7,605.74	0.00	0.00	7,301.00	-1,428.18	1,420.89	2,012.87	3.00	-3.00	Start DLS 2.00 TFO 250.00
7,655.74	1.00	250.00	7,351.00	-1,428.33	1,420.48	2,012.70	2.00	2.00	WILLIAMS_FORK.NPC (TVD)
7,686.94	1.62	250.00	7,382.19	-1,428.57	1,419.81	2,012.43	2.00	2.00	Start 3151.08 hold at 7686.94 MD
7,700.00	1.62	250.00	7,395.24	-1,428.70	1,419.46	2,012.29	0.00	0.00	
7,705.76	1.62	250.00	7,401.00	-1,428.76	1,419.31	2,012.22	0.00	0.00	TOP_GAS.NPC (TVD)
7,800.00	1.62	250.00	7,495.20	-1,429.67	1,416.80	2,011.20	0.00	0.00	
7,900.00	1.62	250.00	7,595.16	-1,430.64	1,414.13	2,010.12	0.00	0.00	
8,000.00	1.62	250.00	7,695.12	-1,431.61	1,411.47	2,009.04	0.00	0.00	
8,100.00	1.62	250.00	7,795.08	-1,432.58	1,408.81	2,007.95	0.00	0.00	
8,200.00	1.62	250.00	7,895.04	-1,433.55	1,406.15	2,006.87	0.00	0.00	
8,300.00	1.62	250.00	7,995.00	-1,434.52	1,403.48	2,005.79	0.00	0.00	
8,400.00	1.62	250.00	8,094.96	-1,435.49	1,400.82	2,004.70	0.00	0.00	
8,500.00	1.62	250.00	8,194.92	-1,436.45	1,398.16	2,003.62	0.00	0.00	
8,600.00	1.62	250.00	8,294.88	-1,437.42	1,395.49	2,002.54	0.00	0.00	
8,700.00	1.62	250.00	8,394.84	-1,438.39	1,392.83	2,001.45	0.00	0.00	
8,800.00	1.62	250.00	8,494.80	-1,439.36	1,390.17	2,000.37	0.00	0.00	
8,900.00	1.62	250.00	8,594.76	-1,440.33	1,387.50	1,999.29	0.00	0.00	
9,000.00	1.62	250.00	8,694.72	-1,441.30	1,384.84	1,998.20	0.00	0.00	
9,100.00	1.62	250.00	8,794.68	-1,442.27	1,382.18	1,997.12	0.00	0.00	
9,200.00	1.62	250.00	8,894.64	-1,443.24	1,379.51	1,996.04	0.00	0.00	

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well NPR 14B-16 596 - Slot NPR 14B-16 596
Company:	Caerus Oil & Gas	**TVD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	**MD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR E16 596	**North Reference:**	True
Well:	NPR 14B-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
9,300.00	1.62	250.00	8,994.60	-1,444.21	1,376.85	1,994.95	0.00	0.00	
9,400.00	1.62	250.00	9,094.56	-1,445.18	1,374.19	1,993.87	0.00	0.00	
9,500.00	1.62	250.00	9,194.52	-1,446.15	1,371.53	1,992.79	0.00	0.00	
9,600.00	1.62	250.00	9,294.48	-1,447.12	1,368.86	1,991.70	0.00	0.00	
9,700.00	1.62	250.00	9,394.44	-1,448.09	1,366.20	1,990.62	0.00	0.00	
9,800.00	1.62	250.00	9,494.40	-1,449.06	1,363.54	1,989.54	0.00	0.00	
9,900.00	1.62	250.00	9,594.36	-1,450.03	1,360.87	1,988.45	0.00	0.00	
10,000.00	1.62	250.00	9,694.32	-1,450.99	1,358.21	1,987.37	0.00	0.00	
10,044.70	1.62	250.00	9,739.00	-1,451.43	1,357.02	1,986.89	0.00	0.00	CAMEO.NPC (TVD)
10,100.00	1.62	250.00	9,794.28	-1,451.96	1,355.55	1,986.29	0.00	0.00	
10,200.00	1.62	250.00	9,894.24	-1,452.93	1,352.88	1,985.20	0.00	0.00	
10,300.00	1.62	250.00	9,994.20	-1,453.90	1,350.22	1,984.12	0.00	0.00	
10,400.00	1.62	250.00	10,094.16	-1,454.87	1,347.56	1,983.04	0.00	0.00	
10,500.00	1.62	250.00	10,194.12	-1,455.84	1,344.89	1,981.95	0.00	0.00	
10,600.00	1.62	250.00	10,294.08	-1,456.81	1,342.23	1,980.87	0.00	0.00	
10,662.95	1.62	250.00	10,357.00	-1,457.42	1,340.56	1,980.19	0.00	0.00	ROLLINS.NPC (TVD)
10,700.00	1.62	250.00	10,394.04	-1,457.78	1,339.57	1,979.79	0.00	0.00	
10,800.00	1.62	250.00	10,494.00	-1,458.75	1,336.91	1,978.70	0.00	0.00	
10,838.02	1.62	250.00	10,532.00	-1,459.12	1,335.89	1,978.29	0.00	0.00	TD at 10838.02 - TD.MBL (TVD) - NPR 14B-16

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
NPR 14B-16 596_PBHL - plan hits target center - Ellipse (radii L100.00 W50.00 on 250.00 azi)	0.00	0.00	10,532.00	-1,459.12	1,335.89	14,397,392.20	2,435,232.60	39.612389	-108.178070

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,576.14	3,446.00	WASATCH.NPC (TVD)			
5,269.50	5,058.00	WASATCH_G.NPC (TVD)			
5,595.15	5,368.00	FORT_UNION.NPC (TVD)			
7,425.47	7,121.00	OHIO_CREEK.NPC			
7,655.74	7,351.00	WILLIAMS_FORK.NPC (TVD)			
7,705.76	7,401.00	TOP_GAS.NPC (TVD)			
10,044.70	9,739.00	CAMEO.NPC (TVD)			
10,662.95	10,357.00	ROLLINS.NPC (TVD)			
10,838.02	10,532.00	TD.MBL (TVD)			

Database:	USA EDM 5000 Multi Users DB	**Local Co-ordinate Reference:**	Well NPR 14B-16 596 - Slot NPR 14B-16 596
Company:	Caerus Oil & Gas	**TVD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Project:	Garfield County, CO (UTM 12N)	**MD Reference:**	GL+KB @ 8405.00usft (Original Well Elev)
Site:	S16-T5S-R96W NPR E16 596	**North Reference:**	True
Well:	NPR 14B-16 596	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #1		

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
200.00	200.00	0.00	0.00	Start Build 3.00
300.00	299.95	-2.46	0.90	Start 270.00 hold at 300.00 MD
570.00	569.58	-15.74	5.73	Start DLS 3.00 TFO -29.91
1,075.70	1,065.69	-83.11	65.56	Start 5935.62 hold at 1075.70 MD
7,011.31	6,716.13	-1,363.54	1,355.76	Start Drop -3.00
7,605.74	7,301.00	-1,428.18	1,420.89	Start DLS 2.00 TFO 250.00
7,686.94	7,382.19	-1,428.57	1,419.81	Start 3151.08 hold at 7686.94 MD
10,838.02	10,532.00	-1,459.12	1,335.89	TD at 10838.02