



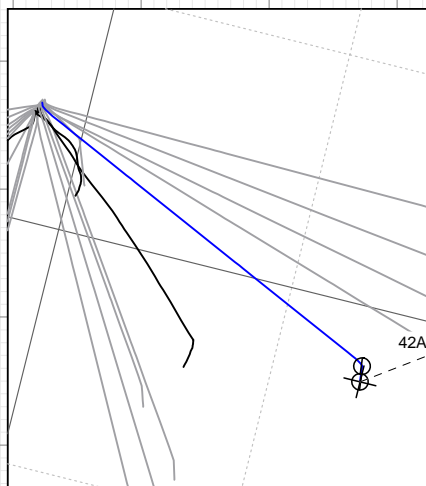
SECTION DETAILS

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	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	844.3	16.33	106.69	837.0	-22.1	73.8	3.00	106.69	77.0	
4	7994.8	16.33	106.69	7699.0	-599.4	1999.5	0.00	0.00	2087.4	
5	8539.1	0.00	0.00	8236.0	-621.6	2073.3	3.00	180.00	2164.4	
6	10555.1	0.00	0.00	10252.0	-621.6	2073.3	0.00	0.00	2164.4	42A-35-795 PBHL

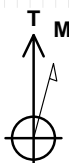
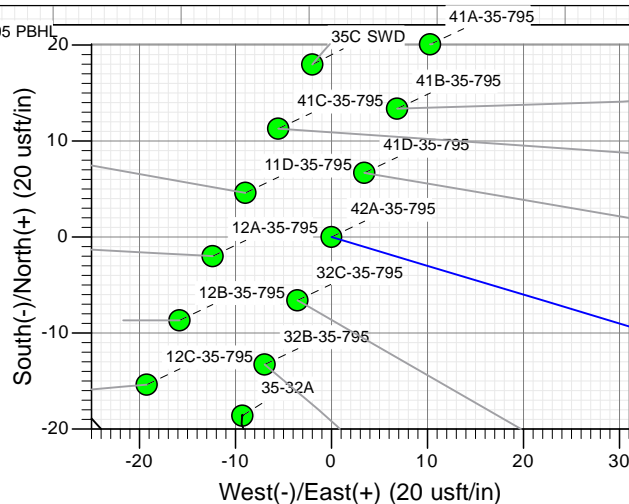
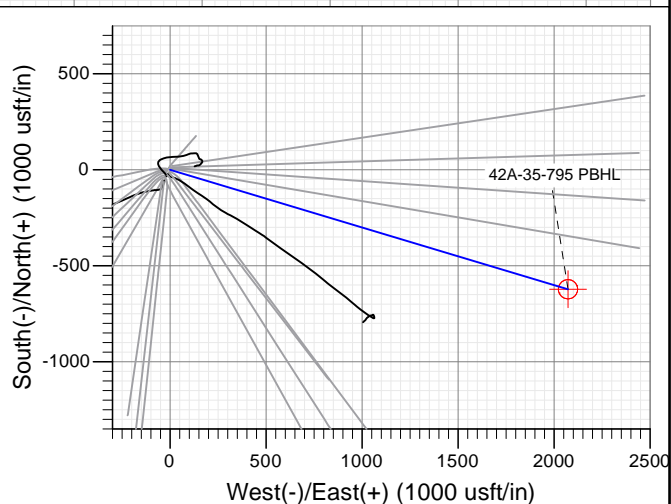
Project: Garfield County, CO (UTM 12
Site: S35-T7S-R95W (35C)
Well: 42A-35-795
Wellbore: OH
Design: PLAN #1

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
7157.0	7430.0	OHIO_CREEK
7548.0	7837.4	WILLIAMS_FORK
8236.0	8539.1	TOP_GAS
9562.0	9865.1	CAMEO
10102.0	10405.1	ROLLINS
10252.0	10555.1	TD



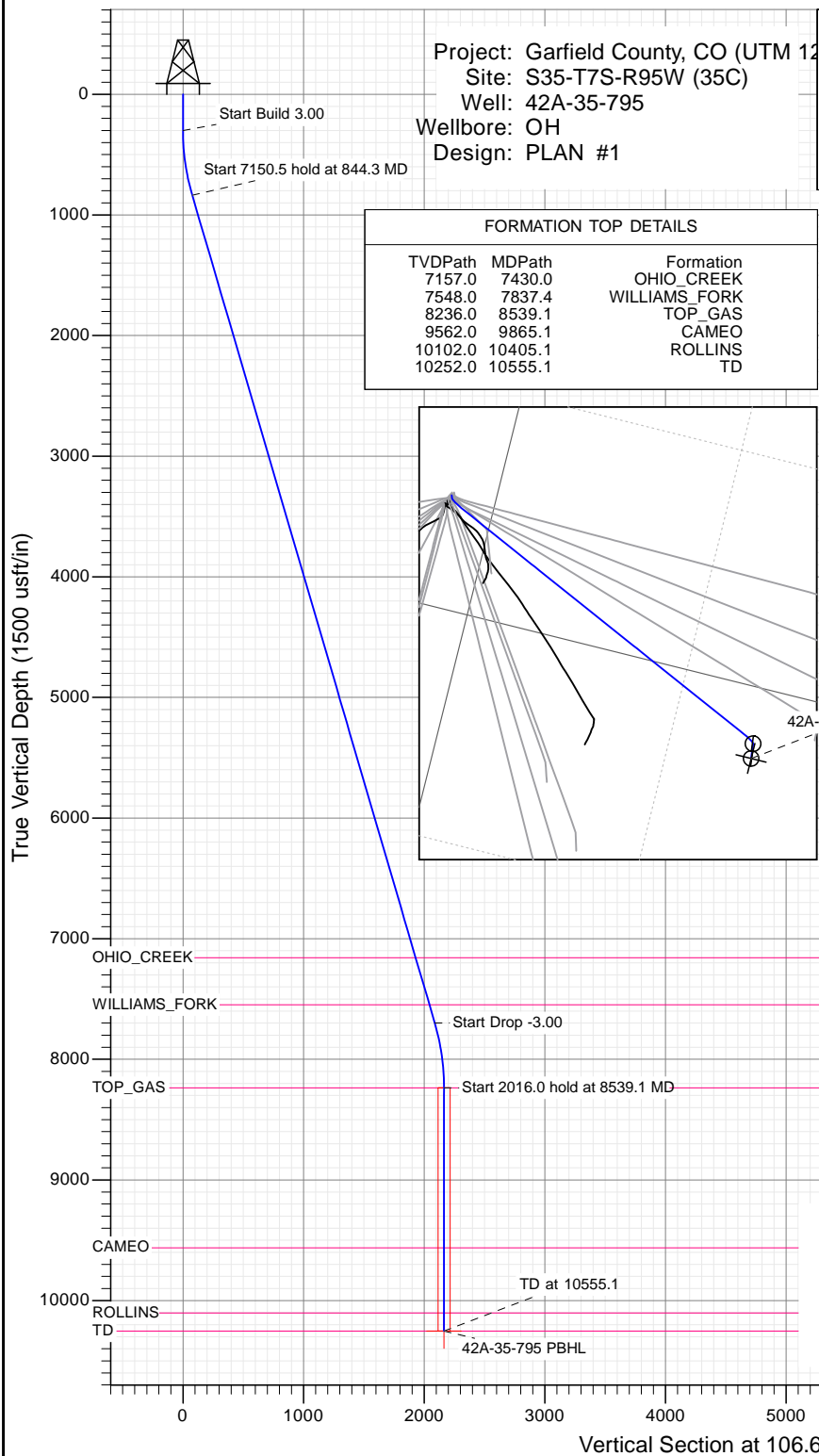
Name	Type	Target	No Target (Freehand)	Azimuth	Origin Type	Slot	N/S	E/W	From TVD
42A-35-795 PBHL	TD			106.69			N/S	E/W	From TVD
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0
							0.0	0.0	0.0



Azimuths to True North
Magnetic North: 9.43°
Magnetic Field
Strength: 51875.1snT
Dip Angle: 65.62°
Date: 1/18/2016
Model: HDGM

CASING DETAILS

No casing data is available



WELL DETAILS: 42A-35-795

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14321620.30	2497628.40	39.398987	-107.965879



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 42A-35-795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 9266.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 9266.0usft
Site:	S35-T7S-R95W (35C)	North Reference:	True
Well:	42A-35-795	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		S35-T7S-R95W (35C)			
Site Position:		Northing:	14,321,562.10 usft	Latitude:	39.398831
From:	Map	Easting:	2,497,589.70 usft	Longitude:	-107.966023
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.93 °

Well	42A-35-795					
Well Position	+N/-S	0.0 usft	Northing:	14,321,620.30 usft	Latitude:	39.398987
	+E/-W	0.0 usft	Easting:	2,497,628.40 usft	Longitude:	-107.965879
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	9,236.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	1/18/2016	9.43	65.62	51,875

Design	PLAN #1			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.0	0.0	0.0	106.69

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
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
844.3	16.33	106.69	837.0	-22.1	73.8	3.00	3.00	0.00	106.69	
7,994.8	16.33	106.69	7,699.0	-599.4	1,999.5	0.00	0.00	0.00	0.00	
8,539.1	0.00	0.00	8,236.0	-621.6	2,073.3	3.00	-3.00	0.00	180.00	
10,555.1	0.00	0.00	10,252.0	-621.6	2,073.3	0.00	0.00	0.00	0.00	42A-35-795 PBHL

Planning Report

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Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 9266.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 9266.0usft
Site:	S35-T7S-R95W (35C)	North Reference:	True
Well:	42A-35-795	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
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	Start Build 3.00
400.0	3.00	106.69	400.0	-0.8	2.5	2.6	3.00	3.00	
500.0	6.00	106.69	499.6	-3.0	10.0	10.5	3.00	3.00	
600.0	9.00	106.69	598.8	-6.8	22.5	23.5	3.00	3.00	
700.0	12.00	106.69	697.1	-12.0	40.0	41.7	3.00	3.00	
800.0	15.00	106.69	794.3	-18.7	62.3	65.1	3.00	3.00	
844.3	16.33	106.69	837.0	-22.1	73.8	77.0	3.00	3.00	Start 7150.5 hold at 844.3 MD
900.0	16.33	106.69	890.4	-26.6	88.8	92.7	0.00	0.00	
1,000.0	16.33	106.69	986.4	-34.7	115.7	120.8	0.00	0.00	
1,100.0	16.33	106.69	1,082.3	-42.8	142.7	148.9	0.00	0.00	
1,200.0	16.33	106.69	1,178.3	-50.8	169.6	177.0	0.00	0.00	
1,300.0	16.33	106.69	1,274.3	-58.9	196.5	205.2	0.00	0.00	
1,400.0	16.33	106.69	1,370.2	-67.0	223.4	233.3	0.00	0.00	
1,500.0	16.33	106.69	1,466.2	-75.1	250.4	261.4	0.00	0.00	
1,600.0	16.33	106.69	1,562.2	-83.1	277.3	289.5	0.00	0.00	
1,700.0	16.33	106.69	1,658.1	-91.2	304.2	317.6	0.00	0.00	
1,800.0	16.33	106.69	1,754.1	-99.3	331.2	345.7	0.00	0.00	
1,900.0	16.33	106.69	1,850.1	-107.4	358.1	373.8	0.00	0.00	
2,000.0	16.33	106.69	1,946.0	-115.4	385.0	402.0	0.00	0.00	
2,100.0	16.33	106.69	2,042.0	-123.5	412.0	430.1	0.00	0.00	
2,200.0	16.33	106.69	2,138.0	-131.6	438.9	458.2	0.00	0.00	
2,300.0	16.33	106.69	2,233.9	-139.7	465.8	486.3	0.00	0.00	
2,400.0	16.33	106.69	2,329.9	-147.7	492.8	514.4	0.00	0.00	
2,500.0	16.33	106.69	2,425.9	-155.8	519.7	542.5	0.00	0.00	
2,600.0	16.33	106.69	2,521.8	-163.9	546.6	570.7	0.00	0.00	
2,700.0	16.33	106.69	2,617.8	-171.9	573.5	598.8	0.00	0.00	
2,800.0	16.33	106.69	2,713.8	-180.0	600.5	626.9	0.00	0.00	
2,900.0	16.33	106.69	2,809.7	-188.1	627.4	655.0	0.00	0.00	
3,000.0	16.33	106.69	2,905.7	-196.2	654.3	683.1	0.00	0.00	
3,100.0	16.33	106.69	3,001.7	-204.2	681.3	711.2	0.00	0.00	
3,200.0	16.33	106.69	3,097.6	-212.3	708.2	739.3	0.00	0.00	
3,300.0	16.33	106.69	3,193.6	-220.4	735.1	767.5	0.00	0.00	
3,400.0	16.33	106.69	3,289.6	-228.5	762.1	795.6	0.00	0.00	
3,500.0	16.33	106.69	3,385.5	-236.5	789.0	823.7	0.00	0.00	
3,600.0	16.33	106.69	3,481.5	-244.6	815.9	851.8	0.00	0.00	
3,700.0	16.33	106.69	3,577.5	-252.7	842.9	879.9	0.00	0.00	
3,800.0	16.33	106.69	3,673.4	-260.8	869.8	908.0	0.00	0.00	
3,900.0	16.33	106.69	3,769.4	-268.8	896.7	936.1	0.00	0.00	
4,000.0	16.33	106.69	3,865.4	-276.9	923.6	964.3	0.00	0.00	
4,100.0	16.33	106.69	3,961.3	-285.0	950.6	992.4	0.00	0.00	
4,200.0	16.33	106.69	4,057.3	-293.1	977.5	1,020.5	0.00	0.00	
4,300.0	16.33	106.69	4,153.3	-301.1	1,004.4	1,048.6	0.00	0.00	
4,400.0	16.33	106.69	4,249.2	-309.2	1,031.4	1,076.7	0.00	0.00	
4,500.0	16.33	106.69	4,345.2	-317.3	1,058.3	1,104.8	0.00	0.00	
4,600.0	16.33	106.69	4,441.2	-325.4	1,085.2	1,133.0	0.00	0.00	
4,700.0	16.33	106.69	4,537.1	-333.4	1,112.2	1,161.1	0.00	0.00	
4,800.0	16.33	106.69	4,633.1	-341.5	1,139.1	1,189.2	0.00	0.00	
4,900.0	16.33	106.69	4,729.1	-349.6	1,166.0	1,217.3	0.00	0.00	
5,000.0	16.33	106.69	4,825.0	-357.6	1,193.0	1,245.4	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 42A-35-795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 9266.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 9266.0usft
Site:	S35-T7S-R95W (35C)	North Reference:	True
Well:	42A-35-795	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
5,100.0	16.33	106.69	4,921.0	-365.7	1,219.9	1,273.5	0.00	0.00	
5,200.0	16.33	106.69	5,017.0	-373.8	1,246.8	1,301.6	0.00	0.00	
5,300.0	16.33	106.69	5,112.9	-381.9	1,273.7	1,329.8	0.00	0.00	
5,400.0	16.33	106.69	5,208.9	-389.9	1,300.7	1,357.9	0.00	0.00	
5,500.0	16.33	106.69	5,304.9	-398.0	1,327.6	1,386.0	0.00	0.00	
5,600.0	16.33	106.69	5,400.8	-406.1	1,354.5	1,414.1	0.00	0.00	
5,700.0	16.33	106.69	5,496.8	-414.2	1,381.5	1,442.2	0.00	0.00	
5,800.0	16.33	106.69	5,592.8	-422.2	1,408.4	1,470.3	0.00	0.00	
5,900.0	16.33	106.69	5,688.7	-430.3	1,435.3	1,498.4	0.00	0.00	
6,000.0	16.33	106.69	5,784.7	-438.4	1,462.3	1,526.6	0.00	0.00	
6,100.0	16.33	106.69	5,880.7	-446.5	1,489.2	1,554.7	0.00	0.00	
6,200.0	16.33	106.69	5,976.6	-454.5	1,516.1	1,582.8	0.00	0.00	
6,300.0	16.33	106.69	6,072.6	-462.6	1,543.1	1,610.9	0.00	0.00	
6,400.0	16.33	106.69	6,168.6	-470.7	1,570.0	1,639.0	0.00	0.00	
6,500.0	16.33	106.69	6,264.5	-478.8	1,596.9	1,667.1	0.00	0.00	
6,600.0	16.33	106.69	6,360.5	-486.8	1,623.8	1,695.3	0.00	0.00	
6,700.0	16.33	106.69	6,456.5	-494.9	1,650.8	1,723.4	0.00	0.00	
6,800.0	16.33	106.69	6,552.4	-503.0	1,677.7	1,751.5	0.00	0.00	
6,900.0	16.33	106.69	6,648.4	-511.1	1,704.6	1,779.6	0.00	0.00	
7,000.0	16.33	106.69	6,744.4	-519.1	1,731.6	1,807.7	0.00	0.00	
7,100.0	16.33	106.69	6,840.3	-527.2	1,758.5	1,835.8	0.00	0.00	
7,200.0	16.33	106.69	6,936.3	-535.3	1,785.4	1,863.9	0.00	0.00	
7,300.0	16.33	106.69	7,032.3	-543.3	1,812.4	1,892.1	0.00	0.00	
7,400.0	16.33	106.69	7,128.2	-551.4	1,839.3	1,920.2	0.00	0.00	
7,430.0	16.33	106.69	7,157.0	-553.8	1,847.4	1,928.6	0.00	0.00	OHIO_CREEK
7,500.0	16.33	106.69	7,224.2	-559.5	1,866.2	1,948.3	0.00	0.00	
7,600.0	16.33	106.69	7,320.2	-567.6	1,893.2	1,976.4	0.00	0.00	
7,700.0	16.33	106.69	7,416.1	-575.6	1,920.1	2,004.5	0.00	0.00	
7,800.0	16.33	106.69	7,512.1	-583.7	1,947.0	2,032.6	0.00	0.00	
7,837.4	16.33	106.69	7,548.0	-586.7	1,957.1	2,043.2	0.00	0.00	WILLIAMS_FORK
7,900.0	16.33	106.69	7,608.1	-591.8	1,973.9	2,060.7	0.00	0.00	
7,994.8	16.33	106.69	7,699.0	-599.4	1,999.5	2,087.4	0.00	0.00	Start Drop -3.00
8,000.0	16.17	106.69	7,704.0	-599.9	2,000.9	2,088.9	3.00	-3.00	
8,100.0	13.17	106.69	7,800.8	-607.1	2,025.1	2,114.2	3.00	-3.00	
8,200.0	10.17	106.69	7,898.7	-612.9	2,044.5	2,134.4	3.00	-3.00	
8,300.0	7.17	106.69	7,997.5	-617.3	2,059.0	2,149.5	3.00	-3.00	
8,400.0	4.17	106.69	8,097.0	-620.1	2,068.4	2,159.4	3.00	-3.00	
8,500.0	1.17	106.69	8,196.9	-621.5	2,072.9	2,164.0	3.00	-3.00	
8,539.1	0.00	0.00	8,236.0	-621.6	2,073.3	2,164.4	3.00	-3.00	Start 2016.0 hold at 8539.1 MD - TOP_GAS
8,600.0	0.00	0.00	8,296.9	-621.6	2,073.3	2,164.4	0.00	0.00	
8,700.0	0.00	0.00	8,396.9	-621.6	2,073.3	2,164.4	0.00	0.00	
8,800.0	0.00	0.00	8,496.9	-621.6	2,073.3	2,164.4	0.00	0.00	
8,900.0	0.00	0.00	8,596.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,000.0	0.00	0.00	8,696.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,100.0	0.00	0.00	8,796.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,200.0	0.00	0.00	8,896.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,300.0	0.00	0.00	8,996.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,400.0	0.00	0.00	9,096.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,500.0	0.00	0.00	9,196.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,600.0	0.00	0.00	9,296.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,700.0	0.00	0.00	9,396.9	-621.6	2,073.3	2,164.4	0.00	0.00	
9,800.0	0.00	0.00	9,496.9	-621.6	2,073.3	2,164.4	0.00	0.00	

Planning Report

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Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 9266.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 9266.0usft
Site:	S35-T7S-R95W (35C)	North Reference:	True
Well:	42A-35-795	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
9,865.1	0.00	0.00	9,562.0	-621.6	2,073.3	2,164.4	0.00	0.00	CAMEO
9,900.0	0.00	0.00	9,596.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,000.0	0.00	0.00	9,696.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,100.0	0.00	0.00	9,796.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,200.0	0.00	0.00	9,896.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,300.0	0.00	0.00	9,996.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,400.0	0.00	0.00	10,096.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,405.1	0.00	0.00	10,102.0	-621.6	2,073.3	2,164.4	0.00	0.00	ROLLINS
10,500.0	0.00	0.00	10,196.9	-621.6	2,073.3	2,164.4	0.00	0.00	
10,555.1	0.00	0.00	10,252.0	-621.6	2,073.3	2,164.4	0.00	0.00	TD at 10555.1 - TD

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
42A-35-795 PBHL - plan hits target center - Circle (radius 50.0)	0.00	0.00	10,252.0	-621.6	2,073.3	14,321,068.80	2,499,721.40	39.397281	-107.958546

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
7,430.0	7,157.0	OHIO_CREEK			
7,837.4	7,548.0	WILLIAMS_FORK			
8,539.1	8,236.0	TOP_GAS			
9,865.1	9,562.0	CAMEO		0.00	
10,405.1	10,102.0	ROLLINS			
10,555.1	10,252.0	TD			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.0	300.0	0.0	0.0	Start Build 3.00
844.3	837.0	-22.1	73.8	Start 7150.5 hold at 844.3 MD
7,994.8	7,699.0	-599.4	1,999.5	Start Drop -3.00
8,539.1	8,236.0	-621.6	2,073.3	Start 2016.0 hold at 8539.1 MD
10,555.1	10,252.0	-621.6	2,073.3	TD at 10555.1