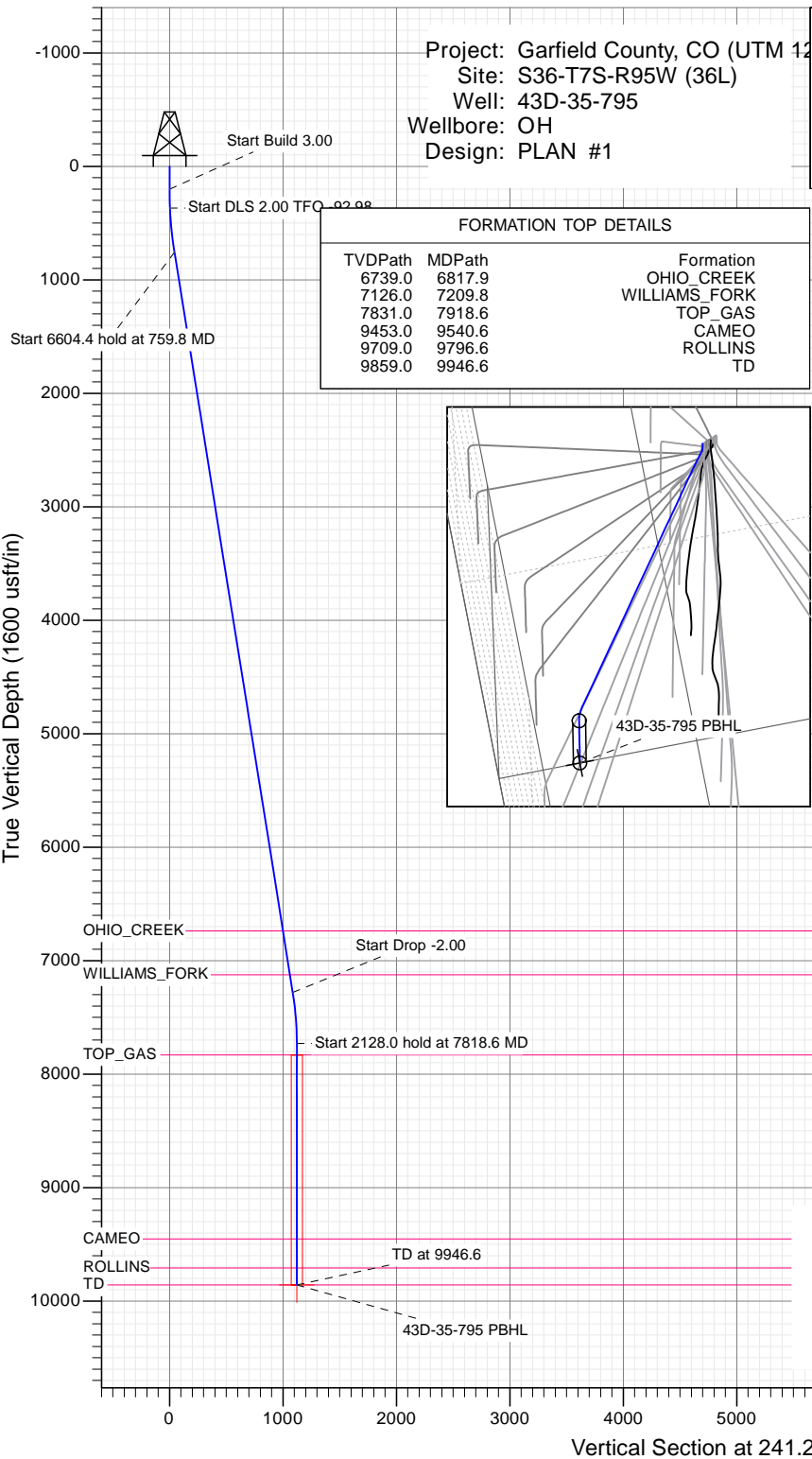




SECTION DETAILS

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	200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	
3	366.7	5.00	300.00	366.5	3.6	-6.3	3.00	300.00	3.8	
4	759.8	9.09	240.12	757.0	-3.3	-48.1	2.00	-92.98	43.7	
5	7364.2	9.09	240.12	7278.5	-523.0	-952.5	0.00	0.00	1086.7	
6	7818.6	0.00	0.00	7731.0	-540.9	-983.7	2.00	180.00	1122.6	
7	9946.6	0.00	0.00	9859.0	-540.9	-983.7	0.00	0.00	1122.6	43D-35-795 PBHL

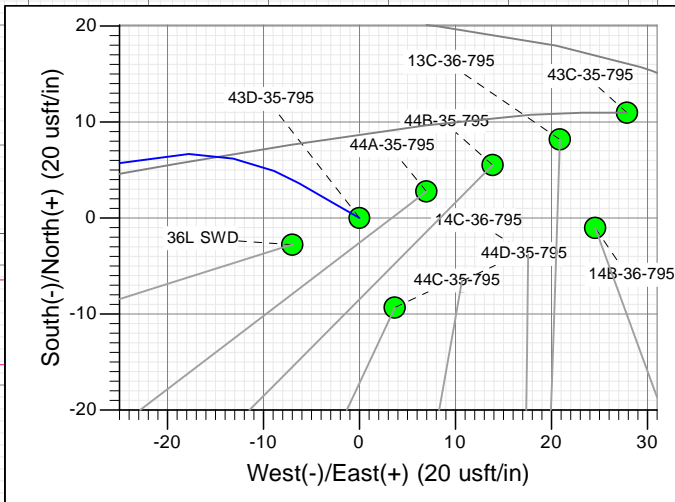
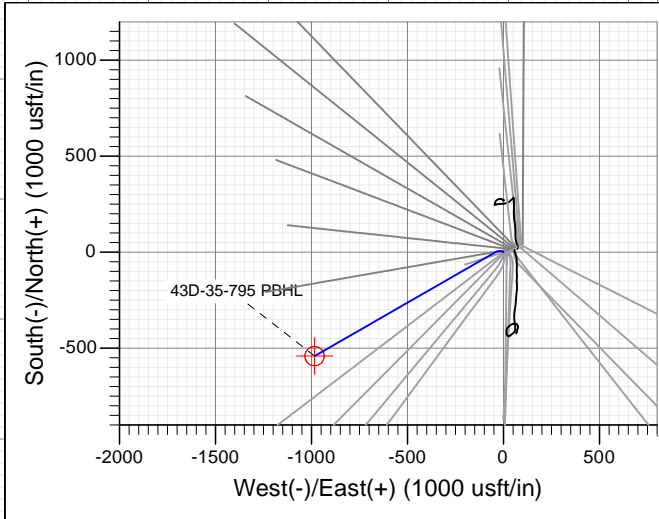


FORMATION TOP DETAILS

TVDPath	MDPath	Formation
6739.0	6817.9	OHIO_CREEK
7126.0	7209.8	WILLIAMS_FORK
7831.0	7918.6	TOP_GAS
9453.0	9540.6	CAMEO
9709.0	9796.6	ROLLINS
9859.0	9946.6	TD

PLAN #1
43D-35-795
15XXX LR
30' KB @ 8931.0usft
Ground Level @ 8901.0
NAD 1927 - Western US
Well 43D-35-795, True North

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	241.20	Slot	0.0	0.0	0.0
Name		TVD	+N/-S	+E/-W	Latitude	Longitude
43D-35-795 PBHL		9859.0	-540.9	-983.7	39.390623	-107.955959



Azimuths to True North
Magnetic North: 9.42°
Magnetic Field
Strength: 51881.2snT
Dip Angle: 65.60°
Date: 12/14/2015
Model: HDGM

CASING DETAILS
No casing data is available



WELL DETAILS: 43D-35-795

+N/-S	+E/-W	Northing	Ground Level:	8901.0	Latitude	Longitude
0.0	0.0	14319242.30	Easting	2501499.40	39.392107	-107.952480

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 43D-35-795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8931.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8931.0usft
Site:	S36-T7S-R95W (36L)	North Reference:	True
Well:	43D-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	S36-T7S-R95W (36L)				
Site Position:		Northing:	14,319,276.10 usft	Latitude:	39.392190
From:	Map	Easting:	2,501,602.10 usft	Longitude:	-107.952113
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	1.94 °

Well	43D-35-795					
Well Position	+N/-S	0.0 usft	Northing:	14,319,242.30 usft	Latitude:	39.392107
	+E/-W	0.0 usft	Easting:	2,501,499.40 usft	Longitude:	-107.952480
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	8,901.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	12/14/2015	9.42	65.60	51,881

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	241.20

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
366.7	5.00	300.00	366.5	3.6	-6.3	3.00	3.00	0.00	300.00	
759.8	9.09	240.12	757.0	-3.3	-48.1	2.00	1.04	-15.23	-92.98	
7,364.2	9.09	240.12	7,278.5	-523.0	-952.5	0.00	0.00	0.00	0.00	
7,818.6	0.00	0.00	7,731.0	-540.9	-983.7	2.00	-2.00	0.00	180.00	
9,946.6	0.00	0.00	9,859.0	-540.9	-983.7	0.00	0.00	0.00	0.00	43D-35-795 PBHL

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 43D-35-795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8931.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8931.0usft
Site:	S36-T7S-R95W (36L)	North Reference:	True
Well:	43D-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	Start Build 3.00
300.0	3.00	300.00	300.0	1.3	-2.3	1.4	3.00	3.00	
366.7	5.00	300.00	366.5	3.6	-6.3	3.8	3.00	3.00	Start DLS 2.00 TFO -92.98
400.0	5.01	292.35	399.7	4.9	-8.9	5.4	2.00	0.03	
500.0	5.54	271.24	499.2	6.7	-17.8	12.3	2.00	0.53	
600.0	6.66	255.49	598.7	5.3	-28.2	22.1	2.00	1.11	
700.0	8.12	244.79	697.9	0.9	-40.2	34.8	2.00	1.46	
759.8	9.09	240.12	757.0	-3.3	-48.1	43.7	2.00	1.62	Start 6604.4 hold at 759.8 MD
800.0	9.09	240.12	796.7	-6.4	-53.6	50.1	0.00	0.00	
900.0	9.09	240.12	895.4	-14.3	-67.3	65.9	0.00	0.00	
1,000.0	9.09	240.12	994.2	-22.2	-81.0	81.7	0.00	0.00	
1,100.0	9.09	240.12	1,092.9	-30.0	-94.7	97.5	0.00	0.00	
1,200.0	9.09	240.12	1,191.7	-37.9	-108.4	113.3	0.00	0.00	
1,300.0	9.09	240.12	1,290.4	-45.8	-122.1	129.0	0.00	0.00	
1,400.0	9.09	240.12	1,389.1	-53.7	-135.8	144.8	0.00	0.00	
1,500.0	9.09	240.12	1,487.9	-61.5	-149.5	160.6	0.00	0.00	
1,600.0	9.09	240.12	1,586.6	-69.4	-163.2	176.4	0.00	0.00	
1,700.0	9.09	240.12	1,685.4	-77.3	-176.9	192.2	0.00	0.00	
1,800.0	9.09	240.12	1,784.1	-85.1	-190.6	208.0	0.00	0.00	
1,900.0	9.09	240.12	1,882.9	-93.0	-204.3	223.8	0.00	0.00	
2,000.0	9.09	240.12	1,981.6	-100.9	-218.0	239.6	0.00	0.00	
2,100.0	9.09	240.12	2,080.4	-108.7	-231.6	255.4	0.00	0.00	
2,200.0	9.09	240.12	2,179.1	-116.6	-245.3	271.2	0.00	0.00	
2,300.0	9.09	240.12	2,277.9	-124.5	-259.0	287.0	0.00	0.00	
2,400.0	9.09	240.12	2,376.6	-132.3	-272.7	302.7	0.00	0.00	
2,500.0	9.09	240.12	2,475.3	-140.2	-286.4	318.5	0.00	0.00	
2,600.0	9.09	240.12	2,574.1	-148.1	-300.1	334.3	0.00	0.00	
2,700.0	9.09	240.12	2,672.8	-155.9	-313.8	350.1	0.00	0.00	
2,800.0	9.09	240.12	2,771.6	-163.8	-327.5	365.9	0.00	0.00	
2,900.0	9.09	240.12	2,870.3	-171.7	-341.2	381.7	0.00	0.00	
3,000.0	9.09	240.12	2,969.1	-179.6	-354.9	397.5	0.00	0.00	
3,100.0	9.09	240.12	3,067.8	-187.4	-368.6	413.3	0.00	0.00	
3,200.0	9.09	240.12	3,166.6	-195.3	-382.3	429.1	0.00	0.00	
3,300.0	9.09	240.12	3,265.3	-203.2	-396.0	444.9	0.00	0.00	
3,400.0	9.09	240.12	3,364.0	-211.0	-409.7	460.7	0.00	0.00	
3,500.0	9.09	240.12	3,462.8	-218.9	-423.4	476.5	0.00	0.00	
3,600.0	9.09	240.12	3,561.5	-226.8	-437.1	492.2	0.00	0.00	
3,700.0	9.09	240.12	3,660.3	-234.6	-450.8	508.0	0.00	0.00	
3,800.0	9.09	240.12	3,759.0	-242.5	-464.4	523.8	0.00	0.00	
3,900.0	9.09	240.12	3,857.8	-250.4	-478.1	539.6	0.00	0.00	
4,000.0	9.09	240.12	3,956.5	-258.2	-491.8	555.4	0.00	0.00	
4,100.0	9.09	240.12	4,055.3	-266.1	-505.5	571.2	0.00	0.00	
4,200.0	9.09	240.12	4,154.0	-274.0	-519.2	587.0	0.00	0.00	
4,300.0	9.09	240.12	4,252.7	-281.9	-532.9	602.8	0.00	0.00	
4,400.0	9.09	240.12	4,351.5	-289.7	-546.6	618.6	0.00	0.00	
4,500.0	9.09	240.12	4,450.2	-297.6	-560.3	634.4	0.00	0.00	
4,600.0	9.09	240.12	4,549.0	-305.5	-574.0	650.2	0.00	0.00	
4,700.0	9.09	240.12	4,647.7	-313.3	-587.7	665.9	0.00	0.00	
4,800.0	9.09	240.12	4,746.5	-321.2	-601.4	681.7	0.00	0.00	
4,900.0	9.09	240.12	4,845.2	-329.1	-615.1	697.5	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 43D-35-795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8931.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8931.0usft
Site:	S36-T7S-R95W (36L)	North Reference:	True
Well:	43D-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
5,000.0	9.09	240.12	4,944.0	-336.9	-628.8	713.3	0.00	0.00	
5,100.0	9.09	240.12	5,042.7	-344.8	-642.5	729.1	0.00	0.00	
5,200.0	9.09	240.12	5,141.4	-352.7	-656.2	744.9	0.00	0.00	
5,300.0	9.09	240.12	5,240.2	-360.5	-669.9	760.7	0.00	0.00	
5,400.0	9.09	240.12	5,338.9	-368.4	-683.6	776.5	0.00	0.00	
5,500.0	9.09	240.12	5,437.7	-376.3	-697.3	792.3	0.00	0.00	
5,600.0	9.09	240.12	5,536.4	-384.1	-710.9	808.1	0.00	0.00	
5,700.0	9.09	240.12	5,635.2	-392.0	-724.6	823.9	0.00	0.00	
5,800.0	9.09	240.12	5,733.9	-399.9	-738.3	839.7	0.00	0.00	
5,900.0	9.09	240.12	5,832.7	-407.8	-752.0	855.4	0.00	0.00	
6,000.0	9.09	240.12	5,931.4	-415.6	-765.7	871.2	0.00	0.00	
6,100.0	9.09	240.12	6,030.1	-423.5	-779.4	887.0	0.00	0.00	
6,200.0	9.09	240.12	6,128.9	-431.4	-793.1	902.8	0.00	0.00	
6,300.0	9.09	240.12	6,227.6	-439.2	-806.8	918.6	0.00	0.00	
6,400.0	9.09	240.12	6,326.4	-447.1	-820.5	934.4	0.00	0.00	
6,500.0	9.09	240.12	6,425.1	-455.0	-834.2	950.2	0.00	0.00	
6,600.0	9.09	240.12	6,523.9	-462.8	-847.9	966.0	0.00	0.00	
6,700.0	9.09	240.12	6,622.6	-470.7	-861.6	981.8	0.00	0.00	
6,800.0	9.09	240.12	6,721.4	-478.6	-875.3	997.6	0.00	0.00	
6,817.9	9.09	240.12	6,739.0	-480.0	-877.7	1,000.4	0.00	0.00	OHIO_CREEK
6,900.0	9.09	240.12	6,820.1	-486.4	-889.0	1,013.4	0.00	0.00	
7,000.0	9.09	240.12	6,918.8	-494.3	-902.7	1,029.1	0.00	0.00	
7,100.0	9.09	240.12	7,017.6	-502.2	-916.4	1,044.9	0.00	0.00	
7,200.0	9.09	240.12	7,116.3	-510.0	-930.1	1,060.7	0.00	0.00	
7,209.8	9.09	240.12	7,126.0	-510.8	-931.4	1,062.3	0.00	0.00	WILLIAMS_FORK
7,300.0	9.09	240.12	7,215.1	-517.9	-943.8	1,076.5	0.00	0.00	
7,364.2	9.09	240.12	7,278.5	-523.0	-952.5	1,086.7	0.00	0.00	Start Drop -2.00
7,400.0	8.37	240.12	7,313.9	-525.7	-957.3	1,092.1	2.00	-2.00	
7,500.0	6.37	240.12	7,413.0	-532.1	-968.4	1,104.9	2.00	-2.00	
7,600.0	4.37	240.12	7,512.6	-536.7	-976.5	1,114.3	2.00	-2.00	
7,700.0	2.37	240.12	7,612.4	-539.7	-981.6	1,120.2	2.00	-2.00	
7,800.0	0.37	240.12	7,712.4	-540.9	-983.7	1,122.6	2.00	-2.00	
7,818.6	0.00	0.00	7,731.0	-540.9	-983.7	1,122.6	2.00	-2.00	Start 2128.0 hold at 7818.6 MD
7,900.0	0.00	0.00	7,812.4	-540.9	-983.7	1,122.6	0.00	0.00	
7,918.6	0.00	0.00	7,831.0	-540.9	-983.7	1,122.6	0.00	0.00	TOP_GAS
8,000.0	0.00	0.00	7,912.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,100.0	0.00	0.00	8,012.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,200.0	0.00	0.00	8,112.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,300.0	0.00	0.00	8,212.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,400.0	0.00	0.00	8,312.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,500.0	0.00	0.00	8,412.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,600.0	0.00	0.00	8,512.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,700.0	0.00	0.00	8,612.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,800.0	0.00	0.00	8,712.4	-540.9	-983.7	1,122.6	0.00	0.00	
8,900.0	0.00	0.00	8,812.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,000.0	0.00	0.00	8,912.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,100.0	0.00	0.00	9,012.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,200.0	0.00	0.00	9,112.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,300.0	0.00	0.00	9,212.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,400.0	0.00	0.00	9,312.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,500.0	0.00	0.00	9,412.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,540.6	0.00	0.00	9,453.0	-540.9	-983.7	1,122.6	0.00	0.00	CAMEO

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 43D-35-795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8931.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8931.0usft
Site:	S36-T7S-R95W (36L)	North Reference:	True
Well:	43D-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
9,600.0	0.00	0.00	9,512.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,700.0	0.00	0.00	9,612.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,796.6	0.00	0.00	9,709.0	-540.9	-983.7	1,122.6	0.00	0.00	ROLLINS
9,800.0	0.00	0.00	9,712.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,900.0	0.00	0.00	9,812.4	-540.9	-983.7	1,122.6	0.00	0.00	
9,946.6	0.00	0.00	9,859.0	-540.9	-983.7	1,122.6	0.00	0.00	TD at 9946.6 - TD

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
43D-35-795 PBHL - hit/miss target - Shape - Circle (radius 50.0)	0.00	0.00	9,859.0	-540.9	-983.7	14,318,668.50	2,500,534.50	39.390623	-107.955959

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,817.9	6,739.0	OHIO_CREEK		0.00		
7,209.8	7,126.0	WILLIAMS_FORK				
7,918.6	7,831.0	TOP_GAS				
9,540.6	9,453.0	CAMEO				
9,796.6	9,709.0	ROLLINS				
9,946.6	9,859.0	TD				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
200.0	200.0	0.0	0.0	Start Build 3.00	
366.7	366.5	3.6	-6.3	Start DLS 2.00 TFO -92.98	
759.8	757.0	-3.3	-48.1	Start 6604.4 hold at 759.8 MD	
7,364.2	7,278.5	-523.0	-952.5	Start Drop -2.00	
7,818.6	7,731.0	-540.9	-983.7	Start 2128.0 hold at 7818.6 MD	
9,946.6	9,859.0	-540.9	-983.7	TD at 9946.6	