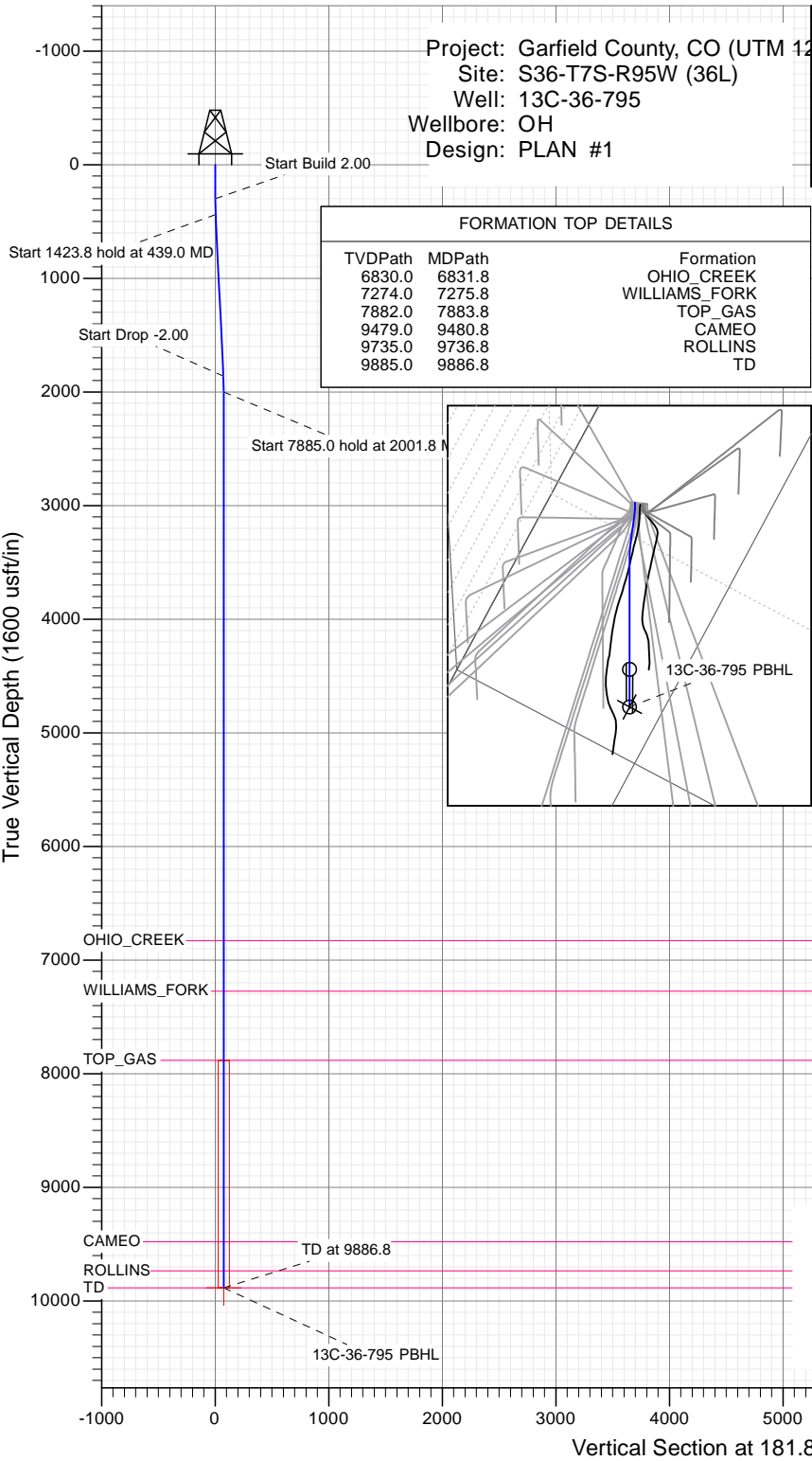




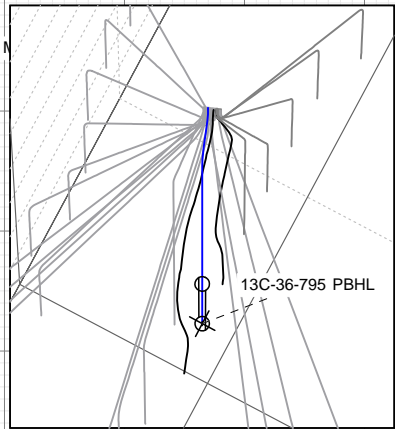
SECTION DETAILS

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	439.0	2.78	181.86	438.9	-3.4	-0.1	2.00	181.86	3.4	
4	1862.8	2.78	181.86	1861.1	-72.4	-2.4	0.00	0.00	72.4	
5	2001.8	0.00	0.00	2000.0	-75.8	-2.5	2.00	180.00	75.8	
6	9886.8	0.00	0.00	9885.0	-75.8	-2.5	0.00	0.00	75.8	13C-36-795 PBHL



FORMATION TOP DETAILS

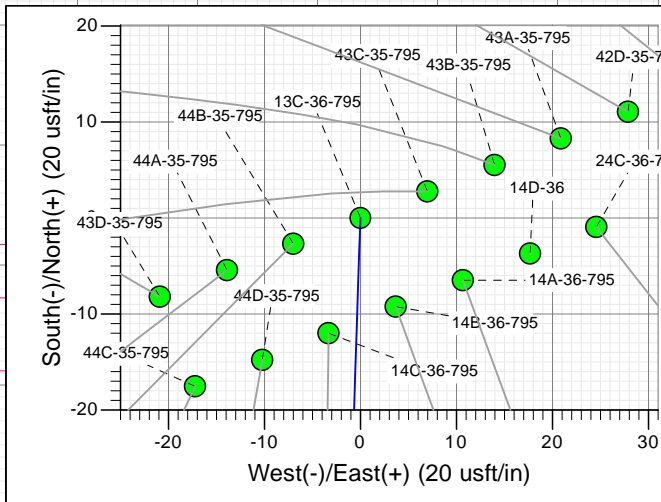
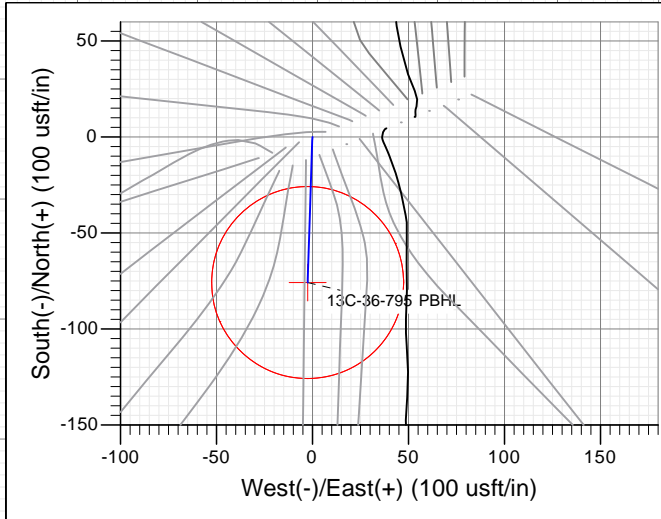
TVDPath	MDPath	Formation
6830.0	6831.8	OHIO_CREEK
7274.0	7275.8	WILLIAMS_FORK
7882.0	7883.8	TOP_GAS
9479.0	9480.8	CAMEO
9735.0	9736.8	ROLLINS
9885.0	9886.8	TD



PLAN #1
13C-36-795
15XXX LR
30 KB @ 8931.0usft
Ground Level @ 8901.0
NAD 1927 - Western US
Well 13C-36-795, True North

Type	Target	Azimuth	Origin Type	N/S	E/W	From TVD
TD	No Target (Freehand)	181.86	Slot	0.0	0.0	0.0

Name	TVD	+N/-S	+E/-W	Latitude	Longitude
13C-36-795 PBHL	9885.0	-75.8	-2.5	39.391922	-107.952415



T M
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: 13C-36-795

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14319251.20	2501520.00	39.392130	-107.952406

Ground Level: 8901.0



Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 13C-36-795
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:	13C-36-795	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	13C-36-795					
Well Position	+N/-S	0.0 usft	Northing:	14,319,251.20 usft	Latitude:	39.392130
	+E/-W	0.0 usft	Easting:	2,501,520.00 usft	Longitude:	-107.952406
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	181.86

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	
439.0	2.78	181.86	438.9	-3.4	-0.1	2.00	2.00	0.00	181.86	
1,862.8	2.78	181.86	1,861.1	-72.4	-2.4	0.00	0.00	0.00	0.00	
2,001.8	0.00	0.00	2,000.0	-75.8	-2.5	2.00	-2.00	0.00	180.00	
9,886.8	0.00	0.00	9,885.0	-75.8	-2.5	0.00	0.00	0.00	0.00	13C-36-795 PBHL

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 13C-36-795
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:	13C-36-795	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 2.00
400.0	2.00	181.86	400.0	-1.7	-0.1	1.7	2.00	2.00	
439.0	2.78	181.86	438.9	-3.4	-0.1	3.4	2.00	2.00	Start 1423.8 hold at 439.0 MD
500.0	2.78	181.86	499.9	-6.3	-0.2	6.3	0.00	0.00	
600.0	2.78	181.86	599.8	-11.2	-0.4	11.2	0.00	0.00	
700.0	2.78	181.86	699.6	-16.0	-0.5	16.0	0.00	0.00	
800.0	2.78	181.86	799.5	-20.9	-0.7	20.9	0.00	0.00	
900.0	2.78	181.86	899.4	-25.7	-0.8	25.7	0.00	0.00	
1,000.0	2.78	181.86	999.3	-30.6	-1.0	30.6	0.00	0.00	
1,100.0	2.78	181.86	1,099.2	-35.4	-1.1	35.4	0.00	0.00	
1,200.0	2.78	181.86	1,199.0	-40.3	-1.3	40.3	0.00	0.00	
1,300.0	2.78	181.86	1,298.9	-45.1	-1.5	45.1	0.00	0.00	
1,400.0	2.78	181.86	1,398.8	-50.0	-1.6	50.0	0.00	0.00	
1,500.0	2.78	181.86	1,498.7	-54.8	-1.8	54.8	0.00	0.00	
1,600.0	2.78	181.86	1,598.6	-59.7	-1.9	59.7	0.00	0.00	
1,700.0	2.78	181.86	1,698.5	-64.5	-2.1	64.5	0.00	0.00	
1,800.0	2.78	181.86	1,798.3	-69.3	-2.3	69.4	0.00	0.00	
1,862.8	2.78	181.86	1,861.1	-72.4	-2.4	72.4	0.00	0.00	Start Drop -2.00
1,900.0	2.04	181.86	1,898.2	-74.0	-2.4	74.0	2.00	-2.00	
2,000.0	0.04	181.86	1,998.2	-75.8	-2.5	75.8	2.00	-2.00	
2,001.8	0.00	0.00	2,000.0	-75.8	-2.5	75.8	2.00	-2.00	Start 7885.0 hold at 2001.8 MD
2,100.0	0.00	0.00	2,098.2	-75.8	-2.5	75.8	0.00	0.00	
2,200.0	0.00	0.00	2,198.2	-75.8	-2.5	75.8	0.00	0.00	
2,300.0	0.00	0.00	2,298.2	-75.8	-2.5	75.8	0.00	0.00	
2,400.0	0.00	0.00	2,398.2	-75.8	-2.5	75.8	0.00	0.00	
2,500.0	0.00	0.00	2,498.2	-75.8	-2.5	75.8	0.00	0.00	
2,600.0	0.00	0.00	2,598.2	-75.8	-2.5	75.8	0.00	0.00	
2,700.0	0.00	0.00	2,698.2	-75.8	-2.5	75.8	0.00	0.00	
2,800.0	0.00	0.00	2,798.2	-75.8	-2.5	75.8	0.00	0.00	
2,900.0	0.00	0.00	2,898.2	-75.8	-2.5	75.8	0.00	0.00	
3,000.0	0.00	0.00	2,998.2	-75.8	-2.5	75.8	0.00	0.00	
3,100.0	0.00	0.00	3,098.2	-75.8	-2.5	75.8	0.00	0.00	
3,200.0	0.00	0.00	3,198.2	-75.8	-2.5	75.8	0.00	0.00	
3,300.0	0.00	0.00	3,298.2	-75.8	-2.5	75.8	0.00	0.00	
3,400.0	0.00	0.00	3,398.2	-75.8	-2.5	75.8	0.00	0.00	
3,500.0	0.00	0.00	3,498.2	-75.8	-2.5	75.8	0.00	0.00	
3,600.0	0.00	0.00	3,598.2	-75.8	-2.5	75.8	0.00	0.00	
3,700.0	0.00	0.00	3,698.2	-75.8	-2.5	75.8	0.00	0.00	
3,800.0	0.00	0.00	3,798.2	-75.8	-2.5	75.8	0.00	0.00	
3,900.0	0.00	0.00	3,898.2	-75.8	-2.5	75.8	0.00	0.00	
4,000.0	0.00	0.00	3,998.2	-75.8	-2.5	75.8	0.00	0.00	
4,100.0	0.00	0.00	4,098.2	-75.8	-2.5	75.8	0.00	0.00	
4,200.0	0.00	0.00	4,198.2	-75.8	-2.5	75.8	0.00	0.00	
4,300.0	0.00	0.00	4,298.2	-75.8	-2.5	75.8	0.00	0.00	
4,400.0	0.00	0.00	4,398.2	-75.8	-2.5	75.8	0.00	0.00	
4,500.0	0.00	0.00	4,498.2	-75.8	-2.5	75.8	0.00	0.00	
4,600.0	0.00	0.00	4,598.2	-75.8	-2.5	75.8	0.00	0.00	
4,700.0	0.00	0.00	4,698.2	-75.8	-2.5	75.8	0.00	0.00	
4,800.0	0.00	0.00	4,798.2	-75.8	-2.5	75.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 13C-36-795
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:	13C-36-795	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
4,900.0	0.00	0.00	4,898.2	-75.8	-2.5	75.8	0.00	0.00	
5,000.0	0.00	0.00	4,998.2	-75.8	-2.5	75.8	0.00	0.00	
5,100.0	0.00	0.00	5,098.2	-75.8	-2.5	75.8	0.00	0.00	
5,200.0	0.00	0.00	5,198.2	-75.8	-2.5	75.8	0.00	0.00	
5,300.0	0.00	0.00	5,298.2	-75.8	-2.5	75.8	0.00	0.00	
5,400.0	0.00	0.00	5,398.2	-75.8	-2.5	75.8	0.00	0.00	
5,500.0	0.00	0.00	5,498.2	-75.8	-2.5	75.8	0.00	0.00	
5,600.0	0.00	0.00	5,598.2	-75.8	-2.5	75.8	0.00	0.00	
5,700.0	0.00	0.00	5,698.2	-75.8	-2.5	75.8	0.00	0.00	
5,800.0	0.00	0.00	5,798.2	-75.8	-2.5	75.8	0.00	0.00	
5,900.0	0.00	0.00	5,898.2	-75.8	-2.5	75.8	0.00	0.00	
6,000.0	0.00	0.00	5,998.2	-75.8	-2.5	75.8	0.00	0.00	
6,100.0	0.00	0.00	6,098.2	-75.8	-2.5	75.8	0.00	0.00	
6,200.0	0.00	0.00	6,198.2	-75.8	-2.5	75.8	0.00	0.00	
6,300.0	0.00	0.00	6,298.2	-75.8	-2.5	75.8	0.00	0.00	
6,400.0	0.00	0.00	6,398.2	-75.8	-2.5	75.8	0.00	0.00	
6,500.0	0.00	0.00	6,498.2	-75.8	-2.5	75.8	0.00	0.00	
6,600.0	0.00	0.00	6,598.2	-75.8	-2.5	75.8	0.00	0.00	
6,700.0	0.00	0.00	6,698.2	-75.8	-2.5	75.8	0.00	0.00	
6,800.0	0.00	0.00	6,798.2	-75.8	-2.5	75.8	0.00	0.00	
6,831.8	0.00	0.00	6,830.0	-75.8	-2.5	75.8	0.00	0.00	OHIO_CREEK
6,900.0	0.00	0.00	6,898.2	-75.8	-2.5	75.8	0.00	0.00	
7,000.0	0.00	0.00	6,998.2	-75.8	-2.5	75.8	0.00	0.00	
7,100.0	0.00	0.00	7,098.2	-75.8	-2.5	75.8	0.00	0.00	
7,200.0	0.00	0.00	7,198.2	-75.8	-2.5	75.8	0.00	0.00	
7,275.8	0.00	0.00	7,274.0	-75.8	-2.5	75.8	0.00	0.00	WILLIAMS_FORK
7,300.0	0.00	0.00	7,298.2	-75.8	-2.5	75.8	0.00	0.00	
7,400.0	0.00	0.00	7,398.2	-75.8	-2.5	75.8	0.00	0.00	
7,500.0	0.00	0.00	7,498.2	-75.8	-2.5	75.8	0.00	0.00	
7,600.0	0.00	0.00	7,598.2	-75.8	-2.5	75.8	0.00	0.00	
7,700.0	0.00	0.00	7,698.2	-75.8	-2.5	75.8	0.00	0.00	
7,800.0	0.00	0.00	7,798.2	-75.8	-2.5	75.8	0.00	0.00	
7,883.8	0.00	0.00	7,882.0	-75.8	-2.5	75.8	0.00	0.00	TOP_GAS
7,900.0	0.00	0.00	7,898.2	-75.8	-2.5	75.8	0.00	0.00	
8,000.0	0.00	0.00	7,998.2	-75.8	-2.5	75.8	0.00	0.00	
8,100.0	0.00	0.00	8,098.2	-75.8	-2.5	75.8	0.00	0.00	
8,200.0	0.00	0.00	8,198.2	-75.8	-2.5	75.8	0.00	0.00	
8,300.0	0.00	0.00	8,298.2	-75.8	-2.5	75.8	0.00	0.00	
8,400.0	0.00	0.00	8,398.2	-75.8	-2.5	75.8	0.00	0.00	
8,500.0	0.00	0.00	8,498.2	-75.8	-2.5	75.8	0.00	0.00	
8,600.0	0.00	0.00	8,598.2	-75.8	-2.5	75.8	0.00	0.00	
8,700.0	0.00	0.00	8,698.2	-75.8	-2.5	75.8	0.00	0.00	
8,800.0	0.00	0.00	8,798.2	-75.8	-2.5	75.8	0.00	0.00	
8,900.0	0.00	0.00	8,898.2	-75.8	-2.5	75.8	0.00	0.00	
9,000.0	0.00	0.00	8,998.2	-75.8	-2.5	75.8	0.00	0.00	
9,100.0	0.00	0.00	9,098.2	-75.8	-2.5	75.8	0.00	0.00	
9,200.0	0.00	0.00	9,198.2	-75.8	-2.5	75.8	0.00	0.00	
9,300.0	0.00	0.00	9,298.2	-75.8	-2.5	75.8	0.00	0.00	
9,400.0	0.00	0.00	9,398.2	-75.8	-2.5	75.8	0.00	0.00	
9,480.8	0.00	0.00	9,479.0	-75.8	-2.5	75.8	0.00	0.00	CAMEO
9,500.0	0.00	0.00	9,498.2	-75.8	-2.5	75.8	0.00	0.00	
9,600.0	0.00	0.00	9,598.2	-75.8	-2.5	75.8	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well 13C-36-795
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:	13C-36-795	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
9,700.0	0.00	0.00	9,698.2	-75.8	-2.5	75.8	0.00	0.00	
9,736.8	0.00	0.00	9,735.0	-75.8	-2.5	75.8	0.00	0.00	ROLLINS
9,800.0	0.00	0.00	9,798.2	-75.8	-2.5	75.8	0.00	0.00	
9,886.8	0.00	0.00	9,885.0	-75.8	-2.5	75.8	0.00	0.00	TD at 9886.8 - TD

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
13C-36-795 PBHL - hit/miss target - Shape - plan hits target center - Circle (radius 50.0)	0.00	0.00	9,885.0	-75.8	-2.5	14,319,175.40	2,501,520.10	39.391922	-107.952415

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
6,831.8	6,830.0	OHIO_CREEK			
7,275.8	7,274.0	WILLIAMS_FORK			
7,883.8	7,882.0	TOP_GAS			
9,480.8	9,479.0	CAMEO			
9,736.8	9,735.0	ROLLINS			
9,886.8	9,885.0	TD			

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
300.0	300.0	0.0	0.0	Start Build 2.00
439.0	438.9	-3.4	-0.1	Start 1423.8 hold at 439.0 MD
1,862.8	1,861.1	-72.4	-2.4	Start Drop -2.00
2,001.8	2,000.0	-75.8	-2.5	Start 7885.0 hold at 2001.8 MD
9,886.8	9,885.0	-75.8	-2.5	TD at 9886.8