



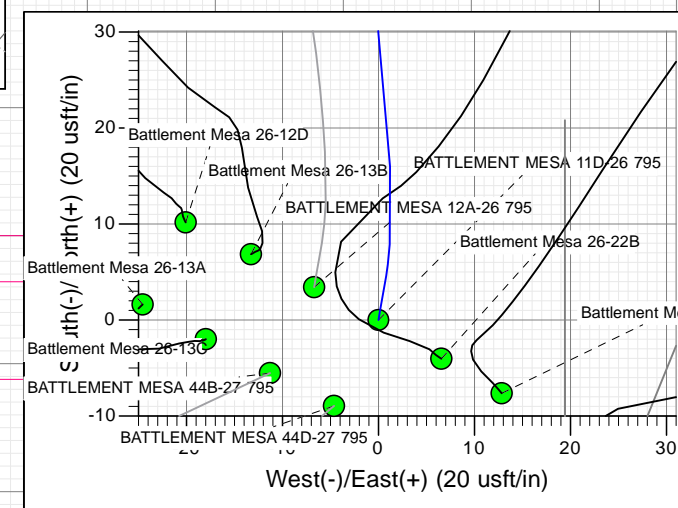
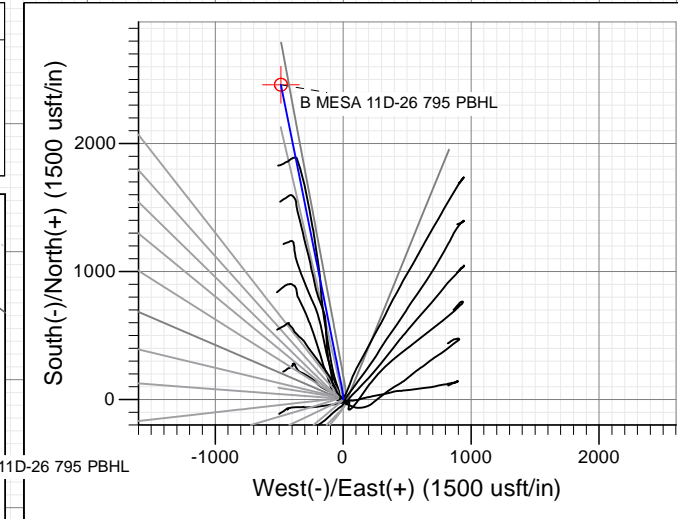
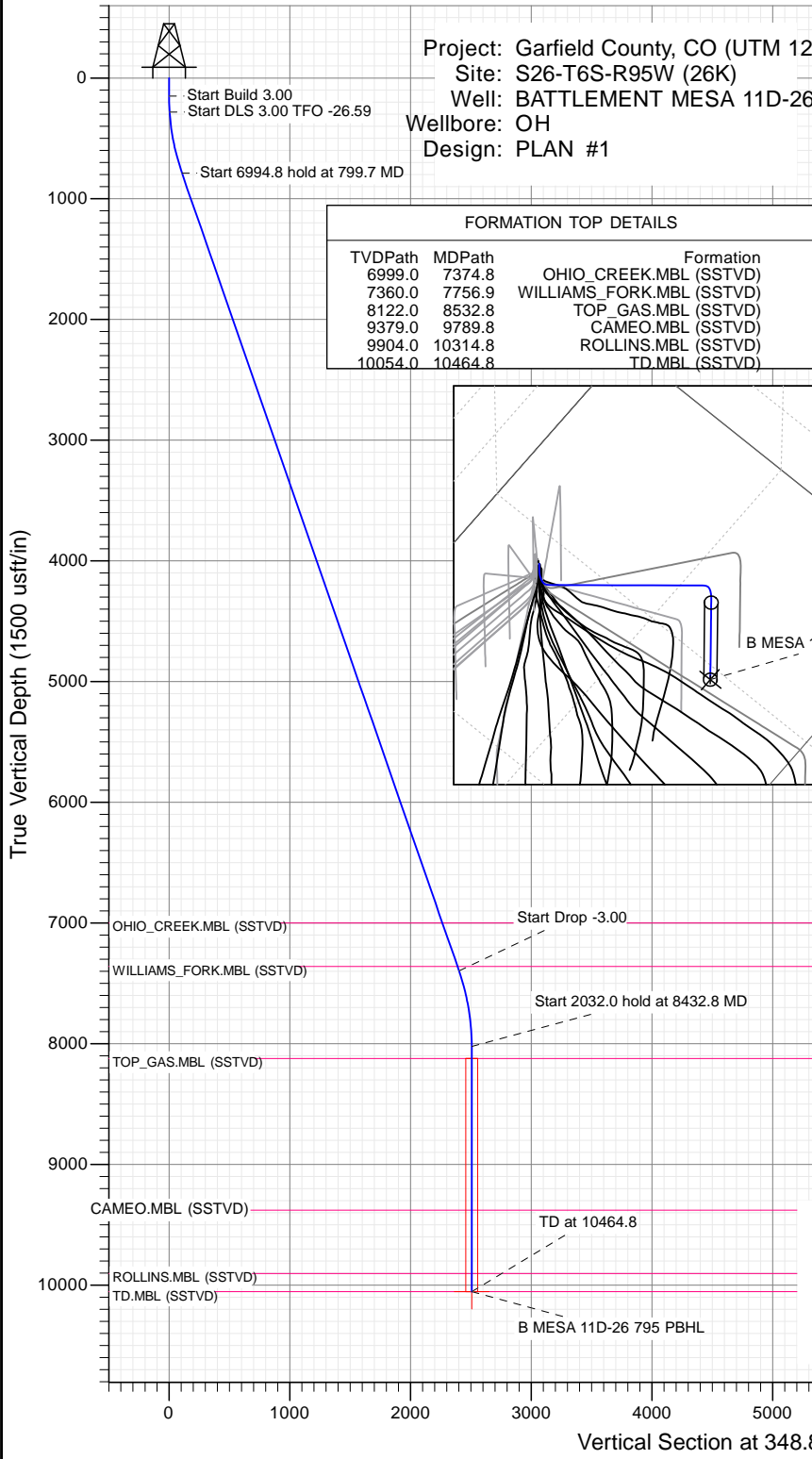
SECTION DETAILS

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	150.0	0.00	0.00	150.0	0.0	0.0	0.00	0.00	0.0	
3	283.3	4.00	10.00	283.2	4.6	0.8	3.00	10.00	4.3	
4	799.7	19.15	348.63	787.8	106.0	-12.8	3.00	-26.59	106.5	
5	7794.5	19.15	348.63	7395.5	2355.5	-465.3	0.00	0.00	2401.0	
6	8432.8	0.00	0.00	8022.0	2459.1	-486.2	3.00	180.00	2506.7	
7	10464.8	0.00	0.00	10054.0	2459.1	-486.2	0.00	0.00	2506.7	B MESA 11D-26 795 PBHL

Project: Garfield County, CO (UTM 12
 Site: S26-T6S-R95W (26K)
 Well: BATTLEMENT MESA 11D-26
 Wellbore: OH
 Design: PLAN #1

PLAN #1
 BATTLEMENT MESA 11D-26 795
 15XXX; LR
 30 KB @ 8994.0usft
 Ground Level @ 8964.0
 NAD 1927 - Western US
 Well BATTLEMENT MESA 11D-26 795, True North

Type	Target	Azimuth	Origin	Type	N/S	E/W	From
TD	No Target (Freehand)	348.82	Slot		0.0	0.0	TVD
Name		TVD	+N/-S	+E/-W	Latitude	Longitude	
B MESA 11D-26 795 PBHL		10054.0	2459.1	-486.2	39.412564	-107.971310	



T M

Azimuths to True North
 Magnetic North: 9.47°

Magnetic Field
 Strength: 51904.6snT
 Dip Angle: 65.63°
 Date: 11/6/2015
 Model: HDGM

CASING DETAILS
 No casing data is available



WELL DETAILS: BATTLEMENT MESA 11D-26 795

Ground Level: 8964.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14324072.00	2496496.20	39.405816	-107.969590

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well BATTLEMENT MESA 11D-26 795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8994.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8994.0usft
Site:	S26-T6S-R95W (26K)	North Reference:	True
Well:	BATTLEMENT MESA 11D-26 795	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	S26-T6S-R95W (26K)				
Site Position:		Northing:	14,324,088.50 usft	Latitude:	39.405864
From:	Map	Easting:	2,496,462.30 usft	Longitude:	-107.969708
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16"	Grid Convergence:	1.92 °

Well	BATTLEMENT MESA 11D-26 795					
Well Position	+N/-S	0.0 usft	Northing:	14,324,072.00 usft	Latitude:	39.405816
	+E/-W	0.0 usft	Easting:	2,496,496.20 usft	Longitude:	-107.969590
Position Uncertainty		0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	8,964.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	HDGM	11/6/2015	(°) 9.47	(°) 65.63	(nT) 51,905

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	348.82

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	
150.0	0.00	0.00	150.0	0.0	0.0	0.00	0.00	0.00	0.00	
283.3	4.00	10.00	283.2	4.6	0.8	3.00	3.00	0.00	10.00	
799.7	19.15	348.63	787.8	106.0	-12.8	3.00	2.93	-4.14	-26.59	
7,794.5	19.15	348.63	7,395.5	2,355.5	-465.3	0.00	0.00	0.00	0.00	
8,432.8	0.00	0.00	8,022.0	2,459.1	-486.2	3.00	-3.00	0.00	180.00	
10,464.8	0.00	0.00	10,054.0	2,459.1	-486.2	0.00	0.00	0.00	0.00	B MESA 11D-26 795 I

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well BATTLEMENT MESA 11D-26 795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8994.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8994.0usft
Site:	S26-T6S-R95W (26K)	North Reference:	True
Well:	BATTLEMENT MESA 11D-26 795	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	
150.0	0.00	0.00	150.0	0.0	0.0	0.0	0.00	0.00	Start Build 3.00
200.0	1.50	10.00	200.0	0.6	0.1	0.6	3.00	3.00	
283.3	4.00	10.00	283.2	4.6	0.8	4.3	3.00	3.00	Start DLS 3.00 TFO -26.59
300.0	4.45	7.12	299.8	5.8	1.0	5.5	3.00	2.72	
400.0	7.30	357.58	399.3	16.0	1.2	15.5	3.00	2.85	
500.0	10.23	353.43	498.1	31.2	-0.1	30.6	3.00	2.93	
600.0	13.20	351.12	596.0	51.3	-2.9	50.9	3.00	2.96	
700.0	16.17	349.65	692.8	76.3	-7.1	76.2	3.00	2.98	
799.7	19.15	348.63	787.8	106.0	-12.8	106.5	3.00	2.98	Start 6994.8 hold at 799.7 MD
800.0	19.15	348.63	788.0	106.1	-12.9	106.5	0.00	0.00	
900.0	19.15	348.63	882.5	138.2	-19.3	139.3	0.00	0.00	
1,000.0	19.15	348.63	977.0	170.4	-25.8	172.2	0.00	0.00	
1,100.0	19.15	348.63	1,071.4	202.5	-32.3	205.0	0.00	0.00	
1,200.0	19.15	348.63	1,165.9	234.7	-38.7	237.8	0.00	0.00	
1,300.0	19.15	348.63	1,260.4	266.9	-45.2	270.6	0.00	0.00	
1,400.0	19.15	348.63	1,354.8	299.0	-51.7	303.4	0.00	0.00	
1,500.0	19.15	348.63	1,449.3	331.2	-58.2	336.2	0.00	0.00	
1,600.0	19.15	348.63	1,543.8	363.3	-64.6	369.0	0.00	0.00	
1,700.0	19.15	348.63	1,638.2	395.5	-71.1	401.8	0.00	0.00	
1,800.0	19.15	348.63	1,732.7	427.7	-77.6	434.6	0.00	0.00	
1,900.0	19.15	348.63	1,827.2	459.8	-84.0	467.4	0.00	0.00	
2,000.0	19.15	348.63	1,921.6	492.0	-90.5	500.2	0.00	0.00	
2,100.0	19.15	348.63	2,016.1	524.1	-97.0	533.0	0.00	0.00	
2,200.0	19.15	348.63	2,110.6	556.3	-103.4	565.8	0.00	0.00	
2,300.0	19.15	348.63	2,205.0	588.5	-109.9	598.6	0.00	0.00	
2,400.0	19.15	348.63	2,299.5	620.6	-116.4	631.4	0.00	0.00	
2,500.0	19.15	348.63	2,394.0	652.8	-122.8	664.2	0.00	0.00	
2,600.0	19.15	348.63	2,488.4	684.9	-129.3	697.0	0.00	0.00	
2,700.0	19.15	348.63	2,582.9	717.1	-135.8	729.8	0.00	0.00	
2,800.0	19.15	348.63	2,677.4	749.3	-142.2	762.6	0.00	0.00	
2,900.0	19.15	348.63	2,771.8	781.4	-148.7	795.4	0.00	0.00	
3,000.0	19.15	348.63	2,866.3	813.6	-155.2	828.2	0.00	0.00	
3,100.0	19.15	348.63	2,960.8	845.7	-161.7	861.0	0.00	0.00	
3,200.0	19.15	348.63	3,055.2	877.9	-168.1	893.8	0.00	0.00	
3,300.0	19.15	348.63	3,149.7	910.1	-174.6	926.6	0.00	0.00	
3,400.0	19.15	348.63	3,244.2	942.2	-181.1	959.5	0.00	0.00	
3,500.0	19.15	348.63	3,338.6	974.4	-187.5	992.3	0.00	0.00	
3,600.0	19.15	348.63	3,433.1	1,006.5	-194.0	1,025.1	0.00	0.00	
3,700.0	19.15	348.63	3,527.6	1,038.7	-200.5	1,057.9	0.00	0.00	
3,800.0	19.15	348.63	3,622.0	1,070.9	-206.9	1,090.7	0.00	0.00	
3,900.0	19.15	348.63	3,716.5	1,103.0	-213.4	1,123.5	0.00	0.00	
4,000.0	19.15	348.63	3,811.0	1,135.2	-219.9	1,156.3	0.00	0.00	
4,100.0	19.15	348.63	3,905.4	1,167.3	-226.3	1,189.1	0.00	0.00	
4,200.0	19.15	348.63	3,999.9	1,199.5	-232.8	1,221.9	0.00	0.00	
4,300.0	19.15	348.63	4,094.4	1,231.7	-239.3	1,254.7	0.00	0.00	
4,400.0	19.15	348.63	4,188.8	1,263.8	-245.7	1,287.5	0.00	0.00	
4,500.0	19.15	348.63	4,283.3	1,296.0	-252.2	1,320.3	0.00	0.00	
4,600.0	19.15	348.63	4,377.8	1,328.1	-258.7	1,353.1	0.00	0.00	
4,700.0	19.15	348.63	4,472.2	1,360.3	-265.2	1,385.9	0.00	0.00	
4,800.0	19.15	348.63	4,566.7	1,392.5	-271.6	1,418.7	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well BATTLEMENT MESA 11D-26 795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8994.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8994.0usft
Site:	S26-T6S-R95W (26K)	North Reference:	True
Well:	BATTLEMENT MESA 11D-26 795	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	19.15	348.63	4,661.2	1,424.6	-278.1	1,451.5	0.00	0.00	
5,000.0	19.15	348.63	4,755.6	1,456.8	-284.6	1,484.3	0.00	0.00	
5,100.0	19.15	348.63	4,850.1	1,489.0	-291.0	1,517.1	0.00	0.00	
5,200.0	19.15	348.63	4,944.6	1,521.1	-297.5	1,549.9	0.00	0.00	
5,300.0	19.15	348.63	5,039.0	1,553.3	-304.0	1,582.7	0.00	0.00	
5,400.0	19.15	348.63	5,133.5	1,585.4	-310.4	1,615.5	0.00	0.00	
5,500.0	19.15	348.63	5,228.0	1,617.6	-316.9	1,648.3	0.00	0.00	
5,600.0	19.15	348.63	5,322.4	1,649.8	-323.4	1,681.1	0.00	0.00	
5,700.0	19.15	348.63	5,416.9	1,681.9	-329.8	1,713.9	0.00	0.00	
5,800.0	19.15	348.63	5,511.4	1,714.1	-336.3	1,746.8	0.00	0.00	
5,900.0	19.15	348.63	5,605.8	1,746.2	-342.8	1,779.6	0.00	0.00	
6,000.0	19.15	348.63	5,700.3	1,778.4	-349.2	1,812.4	0.00	0.00	
6,100.0	19.15	348.63	5,794.7	1,810.6	-355.7	1,845.2	0.00	0.00	
6,200.0	19.15	348.63	5,889.2	1,842.7	-362.2	1,878.0	0.00	0.00	
6,300.0	19.15	348.63	5,983.7	1,874.9	-368.7	1,910.8	0.00	0.00	
6,400.0	19.15	348.63	6,078.1	1,907.0	-375.1	1,943.6	0.00	0.00	
6,500.0	19.15	348.63	6,172.6	1,939.2	-381.6	1,976.4	0.00	0.00	
6,600.0	19.15	348.63	6,267.1	1,971.4	-388.1	2,009.2	0.00	0.00	
6,700.0	19.15	348.63	6,361.5	2,003.5	-394.5	2,042.0	0.00	0.00	
6,800.0	19.15	348.63	6,456.0	2,035.7	-401.0	2,074.8	0.00	0.00	
6,900.0	19.15	348.63	6,550.5	2,067.8	-407.5	2,107.6	0.00	0.00	
7,000.0	19.15	348.63	6,644.9	2,100.0	-413.9	2,140.4	0.00	0.00	
7,100.0	19.15	348.63	6,739.4	2,132.2	-420.4	2,173.2	0.00	0.00	
7,200.0	19.15	348.63	6,833.9	2,164.3	-426.9	2,206.0	0.00	0.00	
7,300.0	19.15	348.63	6,928.3	2,196.5	-433.3	2,238.8	0.00	0.00	
7,374.8	19.15	348.63	6,999.0	2,220.5	-438.2	2,263.3	0.00	0.00	OHIO_CREEK.MBL (SSTVD)
7,400.0	19.15	348.63	7,022.8	2,228.6	-439.8	2,271.6	0.00	0.00	
7,500.0	19.15	348.63	7,117.3	2,260.8	-446.3	2,304.4	0.00	0.00	
7,600.0	19.15	348.63	7,211.7	2,293.0	-452.7	2,337.2	0.00	0.00	
7,700.0	19.15	348.63	7,306.2	2,325.1	-459.2	2,370.0	0.00	0.00	
7,756.9	19.15	348.63	7,360.0	2,343.4	-462.9	2,388.7	0.00	0.00	WILLIAMS_FORK.MBL (SSTVD)
7,794.5	19.15	348.63	7,395.5	2,355.5	-465.3	2,401.0	0.00	0.00	Start Drop -3.00
7,800.0	18.99	348.63	7,400.7	2,357.3	-465.7	2,402.8	3.00	-3.00	
7,900.0	15.99	348.63	7,496.0	2,386.7	-471.6	2,432.9	3.00	-3.00	
8,000.0	12.99	348.63	7,592.9	2,411.2	-476.5	2,457.9	3.00	-3.00	
8,100.0	9.99	348.63	7,690.8	2,430.8	-480.5	2,477.8	3.00	-3.00	
8,200.0	6.99	348.63	7,789.7	2,445.2	-483.4	2,492.5	3.00	-3.00	
8,300.0	3.99	348.63	7,889.3	2,454.6	-485.3	2,502.1	3.00	-3.00	
8,400.0	0.99	348.63	7,989.2	2,458.8	-486.1	2,506.4	3.00	-3.00	
8,432.8	0.00	0.00	8,022.0	2,459.1	-486.2	2,506.7	3.00	-3.00	Start 2032.0 hold at 8432.8 MD
8,500.0	0.00	0.00	8,089.2	2,459.1	-486.2	2,506.7	0.00	0.00	
8,532.8	0.00	0.00	8,122.0	2,459.1	-486.2	2,506.7	0.00	0.00	TOP_GAS.MBL (SSTVD)
8,600.0	0.00	0.00	8,189.2	2,459.1	-486.2	2,506.7	0.00	0.00	
8,700.0	0.00	0.00	8,289.2	2,459.1	-486.2	2,506.7	0.00	0.00	
8,800.0	0.00	0.00	8,389.2	2,459.1	-486.2	2,506.7	0.00	0.00	
8,900.0	0.00	0.00	8,489.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,000.0	0.00	0.00	8,589.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,100.0	0.00	0.00	8,689.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,200.0	0.00	0.00	8,789.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,300.0	0.00	0.00	8,889.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,400.0	0.00	0.00	8,989.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,500.0	0.00	0.00	9,089.2	2,459.1	-486.2	2,506.7	0.00	0.00	

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well BATTLEMENT MESA 11D-26 795
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8994.0usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8994.0usft
Site:	S26-T6S-R95W (26K)	North Reference:	True
Well:	BATTLEMENT MESA 11D-26 795	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	9,189.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,700.0	0.00	0.00	9,289.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,789.8	0.00	0.00	9,379.0	2,459.1	-486.2	2,506.7	0.00	0.00	CAMEO.MBL (SSTVD)
9,800.0	0.00	0.00	9,389.2	2,459.1	-486.2	2,506.7	0.00	0.00	
9,900.0	0.00	0.00	9,489.2	2,459.1	-486.2	2,506.7	0.00	0.00	
10,000.0	0.00	0.00	9,589.2	2,459.1	-486.2	2,506.7	0.00	0.00	
10,100.0	0.00	0.00	9,689.2	2,459.1	-486.2	2,506.7	0.00	0.00	
10,200.0	0.00	0.00	9,789.2	2,459.1	-486.2	2,506.7	0.00	0.00	
10,300.0	0.00	0.00	9,889.2	2,459.1	-486.2	2,506.7	0.00	0.00	
10,314.8	0.00	0.00	9,904.0	2,459.1	-486.2	2,506.7	0.00	0.00	ROLLINS.MBL (SSTVD)
10,400.0	0.00	0.00	9,989.2	2,459.1	-486.2	2,506.7	0.00	0.00	
10,464.8	0.00	0.00	10,054.0	2,459.1	-486.2	2,506.7	0.00	0.00	TD at 10464.8 - TD.MBL (SSTVD)

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
B MESA 11D-26 795 PB			0.00	0.00	10,054.0	2,459.1	-486.2	14,326,513.40	2,495,927.70	39.412564	-107.971310
- plan hits target center											
- Circle (radius 50.0)											

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,374.8	6,999.0	OHIO_CREEK.MBL (SSTVD)		0.00		
7,756.9	7,360.0	WILLIAMS_FORK.MBL (SSTVD)		0.00		
8,532.8	8,122.0	TOP_GAS.MBL (SSTVD)		0.00		
9,789.8	9,379.0	CAMEO.MBL (SSTVD)		0.00		
10,314.8	9,904.0	ROLLINS.MBL (SSTVD)		0.00		
10,464.8	10,054.0	TD.MBL (SSTVD)		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
150.0	150.0	0.0	0.0	Start Build 3.00	
283.3	283.2	4.6	0.8	Start DLS 3.00 TFO -26.59	
799.7	787.8	106.0	-12.8	Start 6994.8 hold at 799.7 MD	
7,794.5	7,395.5	2,355.5	-465.3	Start Drop -3.00	
8,432.8	8,022.0	2,459.1	-486.2	Start 2032.0 hold at 8432.8 MD	
10,464.8	10,054.0	2,459.1	-486.2	TD at 10464.8	