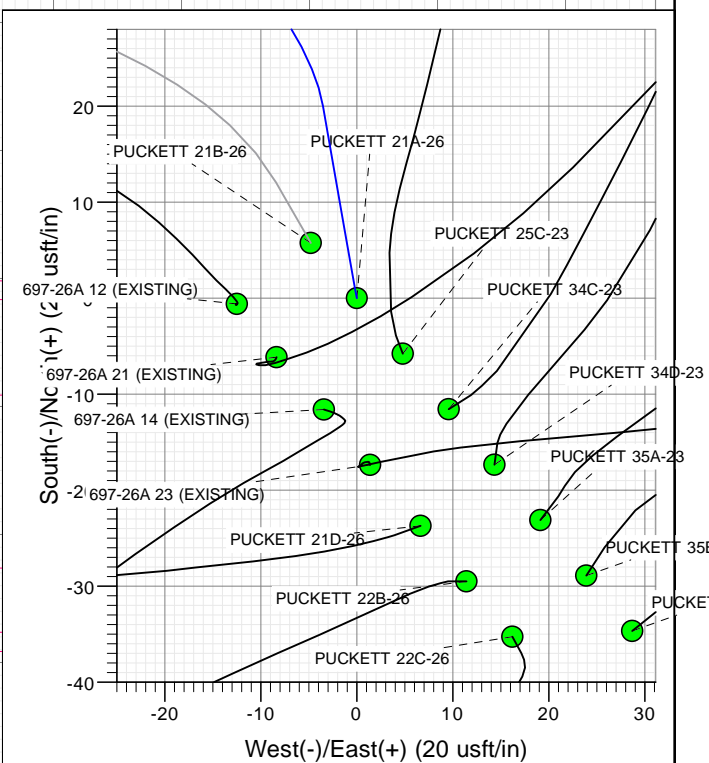
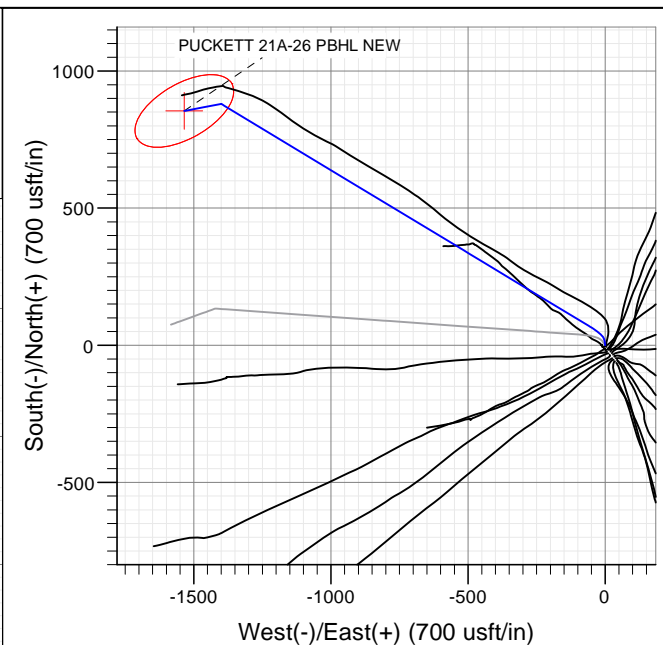
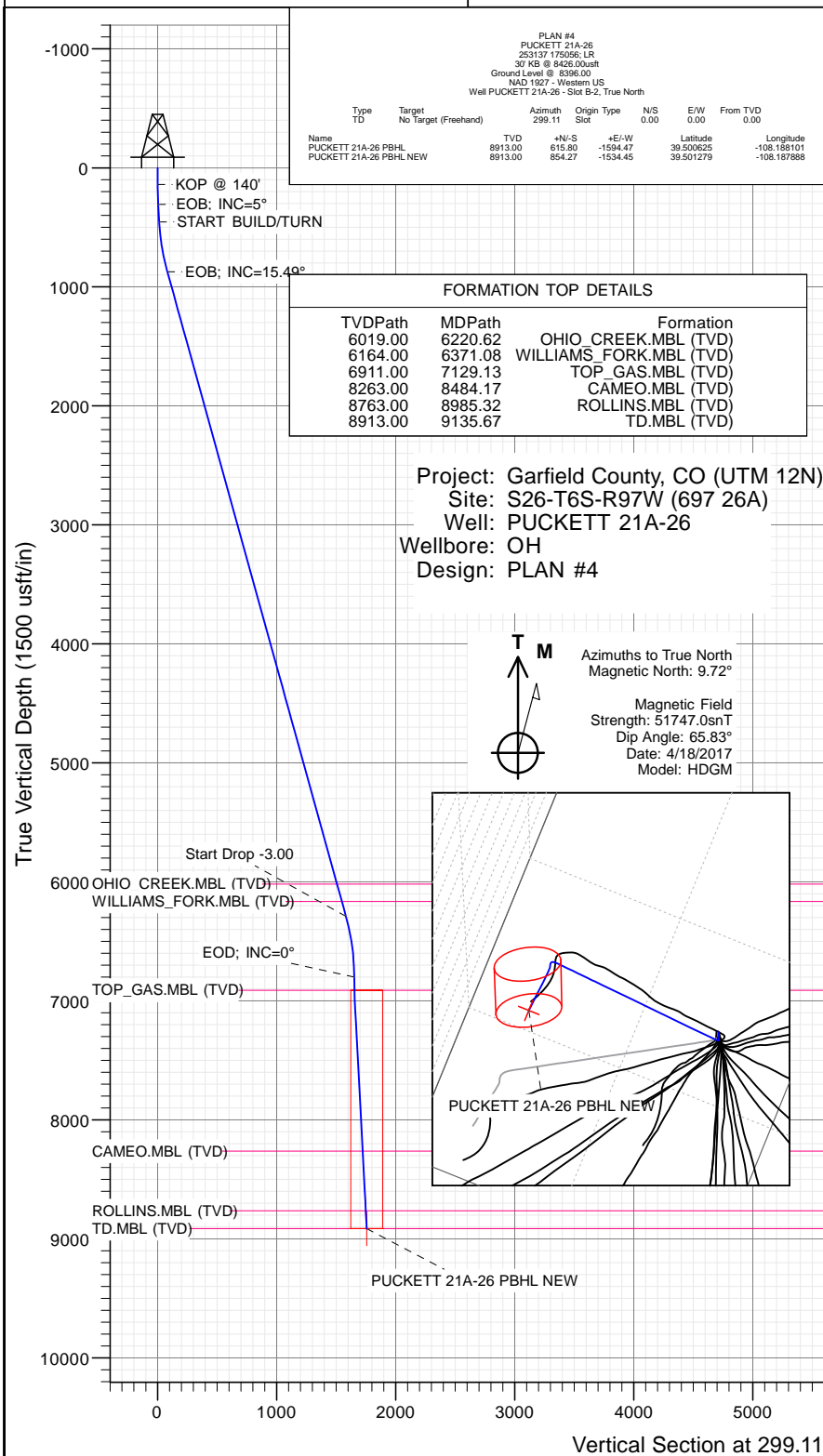




SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	140.00	0.00	0.00	140.00	0.00	0.00	0.00	0.00	0.00	
3	306.67	5.00	350.00	306.46	7.16	-1.26	3.00	350.00	4.58	
4	456.67	5.00	350.00	455.88	20.03	-3.53	0.00	0.00	12.83	
5	881.98	15.49	301.14	874.39	67.86	-55.59	3.00	-65.64	81.58	
6	6501.62	15.49	301.14	6289.79	844.11	-1340.59	0.00	0.00	1581.90	
7	7018.10	0.00	0.00	6800.00	880.00	-1400.00	3.00	180.00	1651.27	
8	7212.34	3.88	259.17	6994.09	878.76	-1406.46	2.00	259.17	1656.31	
9	9135.67	3.88	259.17	8913.00	854.27	-1534.45	0.00	0.00	1756.22	PUCKETT 21A-26 PBHL NEW



WELL DETAILS: PUCKETT 21A-26

+N/-S	+E/-W	Northing	Ground Level:	8396.00	Latitude	Longitude
0.00	0.00	14356034.39	Easting	2435292.96	39.498935	-108.182453

B-2

CATHEDRAL



Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 21A-26 - Slot B-2
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8426.00usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8426.00usft
Site:	S26-T6S-R97W (697 26A)	North Reference:	True
Well:	PUCKETT 21A-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #4		

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-R97W (697 26A)			
Site Position:		Northing:	14,356,905.20 usft	Latitude:	39.501458
From:	Map	Easting:	2,433,730.50 usft	Longitude:	-108.187888
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	1.79 °

Well	PUCKETT 21A-26 - Slot B-2					
Well Position	+N/-S	0.00 usft	Northing:	14,356,034.39 usft	Latitude:	39.498935
	+E/-W	0.00 usft	Easting:	2,435,292.96 usft	Longitude:	-108.182453
Position Uncertainty		0.00 usft	Wellhead Elevation:	0.00 usft	Ground Level:	8,396.00 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	HDGM	4/18/2017	9.72	65.83	51,747

Design	PLAN #4			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(usft)	(usft)	(usft)	(°)
	0.00	0.00	0.00	299.11

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	
140.00	0.00	0.00	140.00	0.00	0.00	0.00	0.00	0.00	0.00	
306.67	5.00	350.00	306.46	7.16	-1.26	3.00	3.00	0.00	350.00	
456.67	5.00	350.00	455.88	20.03	-3.53	0.00	0.00	0.00	0.00	
881.98	15.49	301.14	874.39	67.86	-55.59	3.00	2.47	-11.49	-65.64	
6,501.62	15.49	301.14	6,289.79	844.11	-1,340.59	0.00	0.00	0.00	0.00	
7,018.10	0.00	0.00	6,800.00	880.00	-1,400.00	3.00	-3.00	0.00	180.00	
7,212.34	3.88	259.17	6,994.09	878.76	-1,406.46	2.00	2.00	-51.91	259.17	
9,135.67	3.88	259.17	8,913.00	854.27	-1,534.45	0.00	0.00	0.00	0.00	PUCKETT 21A-26 PE

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 21A-26 - Slot B-2
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8426.00usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8426.00usft
Site:	S26-T6S-R97W (697 26A)	North Reference:	True
Well:	PUCKETT 21A-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #4		

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	
140.00	0.00	0.00	140.00	0.00	0.00	0.00	0.00	0.00	KOP @ 140'
200.00	1.80	350.00	199.99	0.93	-0.16	0.59	3.00	3.00	
300.00	4.80	350.00	299.81	6.60	-1.16	4.22	3.00	3.00	
306.67	5.00	350.00	306.46	7.16	-1.26	4.58	3.00	3.00	EOB; INC=5°
400.00	5.00	350.00	399.43	15.17	-2.67	9.71	0.00	0.00	
456.67	5.00	350.00	455.88	20.03	-3.53	12.83	0.00	0.00	START BUILD/TURN
500.00	5.66	337.91	499.03	23.87	-4.66	15.69	3.00	1.53	
600.00	7.82	319.87	598.35	33.65	-10.91	25.90	3.00	2.16	
700.00	10.41	310.14	697.08	44.68	-22.20	41.13	3.00	2.58	
800.00	13.17	304.35	794.97	56.93	-38.51	61.34	3.00	2.76	
881.98	15.49	301.14	874.39	67.86	-55.59	81.58	3.00	2.84	EOB; INC=15.49°
900.00	15.49	301.14	891.76	70.35	-59.71	86.39	0.00	0.00	
1,000.00	15.49	301.14	988.12	84.16	-82.58	113.09	0.00	0.00	
1,100.00	15.49	301.14	1,084.49	97.97	-105.45	139.79	0.00	0.00	
1,200.00	15.49	301.14	1,180.85	111.79	-128.31	166.48	0.00	0.00	
1,300.00	15.49	301.14	1,277.22	125.60	-151.18	193.18	0.00	0.00	
1,400.00	15.49	301.14	1,373.58	139.41	-174.04	219.88	0.00	0.00	
1,500.00	15.49	301.14	1,469.95	153.23	-196.91	246.58	0.00	0.00	
1,600.00	15.49	301.14	1,566.32	167.04	-219.78	273.27	0.00	0.00	
1,700.00	15.49	301.14	1,662.68	180.85	-242.64	299.97	0.00	0.00	
1,800.00	15.49	301.14	1,759.05	194.67	-265.51	326.67	0.00	0.00	
1,900.00	15.49	301.14	1,855.41	208.48	-288.37	353.37	0.00	0.00	
2,000.00	15.49	301.14	1,951.78	222.29	-311.24	380.07	0.00	0.00	
2,100.00	15.49	301.14	2,048.14	236.10	-334.11	406.76	0.00	0.00	
2,200.00	15.49	301.14	2,144.51	249.92	-356.97	433.46	0.00	0.00	
2,300.00	15.49	301.14	2,240.87	263.73	-379.84	460.16	0.00	0.00	
2,400.00	15.49	301.14	2,337.24	277.54	-402.71	486.86	0.00	0.00	
2,500.00	15.49	301.14	2,433.61	291.36	-425.57	513.55	0.00	0.00	
2,600.00	15.49	301.14	2,529.97	305.17	-448.44	540.25	0.00	0.00	
2,700.00	15.49	301.14	2,626.34	318.98	-471.30	566.95	0.00	0.00	
2,800.00	15.49	301.14	2,722.70	332.80	-494.17	593.65	0.00	0.00	
2,900.00	15.49	301.14	2,819.07	346.61	-517.04	620.35	0.00	0.00	
3,000.00	15.49	301.14	2,915.43	360.42	-539.90	647.04	0.00	0.00	
3,100.00	15.49	301.14	3,011.80	374.24	-562.77	673.74	0.00	0.00	
3,200.00	15.49	301.14	3,108.17	388.05	-585.63	700.44	0.00	0.00	
3,300.00	15.49	301.14	3,204.53	401.86	-608.50	727.14	0.00	0.00	
3,400.00	15.49	301.14	3,300.90	415.68	-631.37	753.83	0.00	0.00	
3,500.00	15.49	301.14	3,397.26	429.49	-654.23	780.53	0.00	0.00	
3,600.00	15.49	301.14	3,493.63	443.30	-677.10	807.23	0.00	0.00	
3,700.00	15.49	301.14	3,589.99	457.12	-699.97	833.93	0.00	0.00	
3,800.00	15.49	301.14	3,686.36	470.93	-722.83	860.63	0.00	0.00	
3,900.00	15.49	301.14	3,782.72	484.74	-745.70	887.32	0.00	0.00	
4,000.00	15.49	301.14	3,879.09	498.56	-768.56	914.02	0.00	0.00	
4,100.00	15.49	301.14	3,975.46	512.37	-791.43	940.72	0.00	0.00	
4,200.00	15.49	301.14	4,071.82	526.18	-814.30	967.42	0.00	0.00	
4,300.00	15.49	301.14	4,168.19	540.00	-837.16	994.11	0.00	0.00	
4,400.00	15.49	301.14	4,264.55	553.81	-860.03	1,020.81	0.00	0.00	
4,500.00	15.49	301.14	4,360.92	567.62	-882.89	1,047.51	0.00	0.00	
4,600.00	15.49	301.14	4,457.28	581.44	-905.76	1,074.21	0.00	0.00	
4,700.00	15.49	301.14	4,553.65	595.25	-928.63	1,100.91	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 21A-26 - Slot B-2
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8426.00usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8426.00usft
Site:	S26-T6S-R97W (697 26A)	North Reference:	True
Well:	PUCKETT 21A-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #4		

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
4,800.00	15.49	301.14	4,650.02	609.06	-951.49	1,127.60	0.00	0.00	
4,900.00	15.49	301.14	4,746.38	622.87	-974.36	1,154.30	0.00	0.00	
5,000.00	15.49	301.14	4,842.75	636.69	-997.23	1,181.00	0.00	0.00	
5,100.00	15.49	301.14	4,939.11	650.50	-1,020.09	1,207.70	0.00	0.00	
5,200.00	15.49	301.14	5,035.48	664.31	-1,042.96	1,234.39	0.00	0.00	
5,300.00	15.49	301.14	5,131.84	678.13	-1,065.82	1,261.09	0.00	0.00	
5,400.00	15.49	301.14	5,228.21	691.94	-1,088.69	1,287.79	0.00	0.00	
5,500.00	15.49	301.14	5,324.57	705.75	-1,111.56	1,314.49	0.00	0.00	
5,600.00	15.49	301.14	5,420.94	719.57	-1,134.42	1,341.19	0.00	0.00	
5,700.00	15.49	301.14	5,517.31	733.38	-1,157.29	1,367.88	0.00	0.00	
5,800.00	15.49	301.14	5,613.67	747.19	-1,180.15	1,394.58	0.00	0.00	
5,900.00	15.49	301.14	5,710.04	761.01	-1,203.02	1,421.28	0.00	0.00	
6,000.00	15.49	301.14	5,806.40	774.82	-1,225.89	1,447.98	0.00	0.00	
6,100.00	15.49	301.14	5,902.77	788.63	-1,248.75	1,474.67	0.00	0.00	
6,200.00	15.49	301.14	5,999.13	802.45	-1,271.62	1,501.37	0.00	0.00	
6,220.62	15.49	301.14	6,019.00	805.29	-1,276.33	1,506.88	0.00	0.00	OHIO_CREEK.MBL (TVD)
6,300.00	15.49	301.14	6,095.50	816.26	-1,294.49	1,528.07	0.00	0.00	
6,371.08	15.49	301.14	6,164.00	826.08	-1,310.74	1,547.05	0.00	0.00	WILLIAMS_FORK.MBL (TVD)
6,400.00	15.49	301.14	6,191.87	830.07	-1,317.35	1,554.77	0.00	0.00	
6,500.00	15.49	301.14	6,288.23	843.89	-1,340.22	1,581.47	0.00	0.00	
6,501.62	15.49	301.14	6,289.79	844.11	-1,340.59	1,581.90	0.00	0.00	Start Drop -3.00
6,600.00	12.54	301.14	6,385.23	856.43	-1,360.98	1,605.71	3.00	-3.00	
6,700.00	9.54	301.14	6,483.37	866.33	-1,377.38	1,624.85	3.00	-3.00	
6,800.00	6.54	301.14	6,582.37	873.57	-1,389.35	1,638.83	3.00	-3.00	
6,900.00	3.54	301.14	6,681.98	878.11	-1,396.88	1,647.62	3.00	-3.00	
7,000.00	0.54	301.14	6,781.90	879.96	-1,399.93	1,651.18	3.00	-3.00	
7,018.10	0.00	0.00	6,800.00	880.00	-1,400.00	1,651.27	3.00	-3.00	EOD; INC=0°
7,100.00	1.64	259.17	6,881.89	879.78	-1,401.15	1,652.16	2.00	2.00	
7,129.13	2.22	259.17	6,911.00	879.60	-1,402.11	1,652.91	2.00	2.00	TOP_GAS.MBL (TVD)
7,200.00	3.64	259.17	6,981.78	878.91	-1,405.67	1,655.69	2.00	2.00	
7,212.34	3.88	259.17	6,994.09	878.76	-1,406.46	1,656.31	2.00	2.00	
7,300.00	3.88	259.17	7,081.55	877.65	-1,412.30	1,660.87	0.00	0.00	
7,400.00	3.88	259.17	7,181.32	876.37	-1,418.95	1,666.06	0.00	0.00	
7,500.00	3.88	259.17	7,281.09	875.10	-1,425.61	1,671.25	0.00	0.00	
7,600.00	3.88	259.17	7,380.86	873.83	-1,432.26	1,676.45	0.00	0.00	
7,700.00	3.88	259.17	7,480.63	872.55	-1,438.91	1,681.64	0.00	0.00	
7,800.00	3.88	259.17	7,580.40	871.28	-1,445.57	1,686.84	0.00	0.00	
7,900.00	3.88	259.17	7,680.17	870.01	-1,452.22	1,692.03	0.00	0.00	
8,000.00	3.88	259.17	7,779.94	868.73	-1,458.88	1,697.23	0.00	0.00	
8,100.00	3.88	259.17	7,879.71	867.46	-1,465.53	1,702.42	0.00	0.00	
8,200.00	3.88	259.17	7,979.48	866.19	-1,472.19	1,707.62	0.00	0.00	
8,300.00	3.88	259.17	8,079.25	864.91	-1,478.84	1,712.81	0.00	0.00	
8,400.00	3.88	259.17	8,179.02	863.64	-1,485.49	1,718.00	0.00	0.00	
8,484.17	3.88	259.17	8,263.00	862.57	-1,491.09	1,722.38	0.00	0.00	CAMEO.MBL (TVD)
8,500.00	3.88	259.17	8,278.79	862.36	-1,492.15	1,723.20	0.00	0.00	
8,600.00	3.88	259.17	8,378.56	861.09	-1,498.80	1,728.39	0.00	0.00	
8,700.00	3.88	259.17	8,478.33	859.82	-1,505.46	1,733.59	0.00	0.00	
8,800.00	3.88	259.17	8,578.10	858.54	-1,512.11	1,738.78	0.00	0.00	
8,900.00	3.88	259.17	8,677.87	857.27	-1,518.76	1,743.98	0.00	0.00	
8,985.32	3.88	259.17	8,763.00	856.18	-1,524.44	1,748.41	0.00	0.00	ROLLINS.MBL (TVD)
9,000.00	3.88	259.17	8,777.64	856.00	-1,525.42	1,749.17	0.00	0.00	
9,100.00	3.88	259.17	8,877.41	854.72	-1,532.07	1,754.37	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 21A-26 - Slot B-2
Company:	Caerus Oil & Gas	TVD Reference:	30' KB @ 8426.00usft
Project:	Garfield County, CO (UTM 12N)	MD Reference:	30' KB @ 8426.00usft
Site:	S26-T6S-R97W (697 26A)	North Reference:	True
Well:	PUCKETT 21A-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #4		

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
9,135.67	3.88	259.17	8,913.00	854.27	-1,534.45	1,756.22	0.00	0.00	TD at 9135.67 - TD.MBL (TVD)

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PUCKETT 21A-26 PBHL	0.00	0.00	8,913.00	615.80	-1,594.47	14,356,600.00	2,433,680.00	39.500625	-108.188101
- plan misses target center by 245.90usft at 9135.67usft MD (8913.00 TVD, 854.27 N, -1534.45 E)									
- Ellipse (radii L200.00 W100.00 on 240.00 azi)									
PUCKETT 21A-26 PBHL	0.00	0.00	8,913.00	854.27	-1,534.45	14,356,840.23	2,433,732.53	39.501279	-108.187888
- plan hits target center									
- Ellipse (radii L200.00 W100.00 on 240.00 azi)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,220.62	6,019.00	OHIO_CREEK.MBL (TVD)				
6,371.08	6,164.00	WILLIAMS_FORK.MBL (TVD)				
7,129.13	6,911.00	TOP_GAS.MBL (TVD)				
8,484.17	8,263.00	CAMEO.MBL (TVD)				
8,985.32	8,763.00	ROLLINS.MBL (TVD)				
9,135.67	8,913.00	TD.MBL (TVD)				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
140.00	140.00	0.00	0.00	KOP @ 140'
306.67	306.46	7.16	-1.26	EOB; INC=5°
456.67	455.88	20.03	-3.53	START BUILD/TURN
881.98	874.39	67.86	-55.59	EOB; INC=15.49°
6,501.62	6,289.79	844.11	-1,340.59	Start Drop -3.00
7,018.10	6,800.00	880.00	-1,400.00	EOD; INC=0°
9,135.67	8,913.00	878.76	-1,406.46	TD at 9135.67