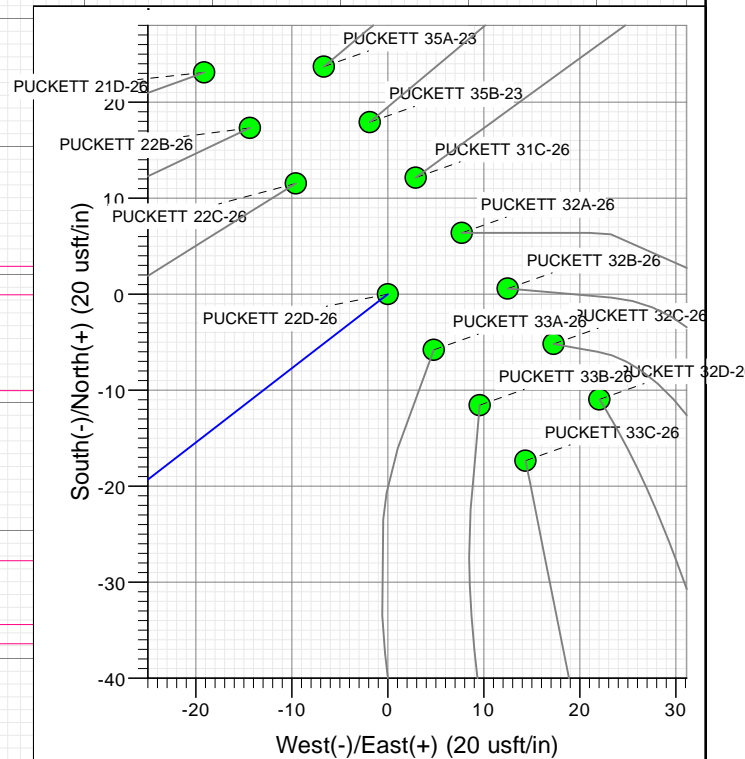
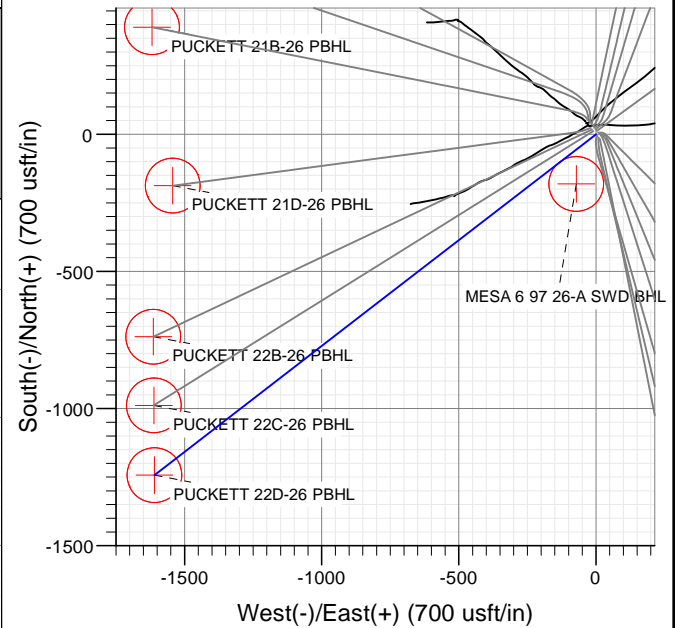
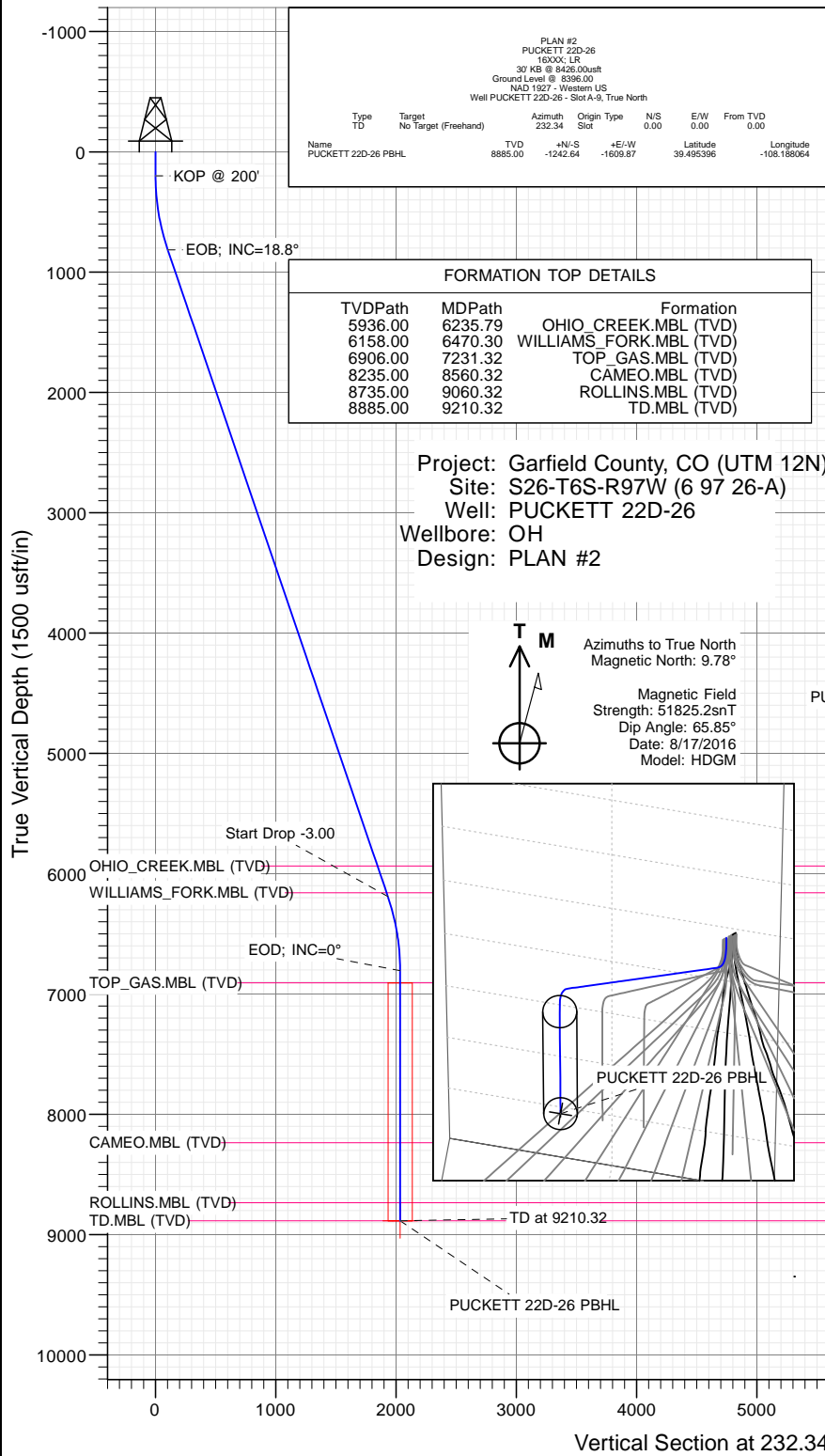




SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	
3	826.69	18.80	232.34	815.51	-62.26	-80.67	3.00	232.34	101.90	
4	6504.63	18.80	232.34	6190.49	-1180.38	-1529.21	0.00	0.00	1931.78	
5	7131.32	0.00	0.00	6806.00	-1242.64	-1609.87	3.00	180.00	2033.68	
6	9210.32	0.00	0.00	8885.00	-1242.64	-1609.87	0.00	0.00	2033.68	PUCKETT 22D-26 PBHL



WELL DETAILS: PUCKETT 22D-26

+N/-S	+E/-W	Northing	Ground Level:	8396.00	Latitude	Longitude
0.00	0.00	14355988.41	Easting	2435320.20	39.498806	-108.182361

A-9

CATHEDRAL



Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 22D-26 - Slot A-9
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 (6 97 26-A)	North Reference:	True
Well:	PUCKETT 22D-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #2		

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 (6 97 26-A)			
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 22D-26 - Slot A-9					
Well Position	+N/-S	0.00 usft	Northing:	14,355,988.41 usft	Latitude:	39.498806
	+E/-W	0.00 usft	Easting:	2,435,320.20 usft	Longitude:	-108.182361
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	8/17/2016	9.78	65.85	51,825

Design	PLAN #2			
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	232.34

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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	
826.69	18.80	232.34	815.51	-62.26	-80.67	3.00	3.00	0.00	232.34	
6,504.63	18.80	232.34	6,190.49	-1,180.38	-1,529.21	0.00	0.00	0.00	0.00	
7,131.32	0.00	0.00	6,806.00	-1,242.64	-1,609.87	3.00	-3.00	0.00	180.00	
9,210.32	0.00	0.00	8,885.00	-1,242.64	-1,609.87	0.00	0.00	0.00	0.00	PUCKETT 22D-26 PE

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 22D-26 - Slot A-9
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 (6 97 26-A)	North Reference:	True
Well:	PUCKETT 22D-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #2		

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	
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	KOP @ 200'
300.00	3.00	232.34	299.95	-1.60	-2.07	2.62	3.00	3.00	
400.00	6.00	232.34	399.63	-6.39	-8.28	10.46	3.00	3.00	
500.00	9.00	232.34	498.77	-14.37	-18.61	23.51	3.00	3.00	
600.00	12.00	232.34	597.08	-25.50	-33.04	41.74	3.00	3.00	
700.00	15.00	232.34	694.31	-39.76	-51.52	65.08	3.00	3.00	
800.00	18.00	232.34	790.18	-57.12	-74.00	93.48	3.00	3.00	
826.69	18.80	232.34	815.51	-62.26	-80.67	101.90	3.00	3.00	EOB; INC=18.8°
900.00	18.80	232.34	884.90	-76.70	-99.37	125.53	0.00	0.00	
1,000.00	18.80	232.34	979.57	-96.39	-124.88	157.75	0.00	0.00	
1,100.00	18.80	232.34	1,074.23	-116.09	-150.39	189.98	0.00	0.00	
1,200.00	18.80	232.34	1,168.90	-135.78	-175.90	222.21	0.00	0.00	
1,300.00	18.80	232.34	1,263.56	-155.47	-201.41	254.44	0.00	0.00	
1,400.00	18.80	232.34	1,358.23	-175.16	-226.93	286.67	0.00	0.00	
1,500.00	18.80	232.34	1,452.89	-194.85	-252.44	318.89	0.00	0.00	
1,600.00	18.80	232.34	1,547.55	-214.55	-277.95	351.12	0.00	0.00	
1,700.00	18.80	232.34	1,642.22	-234.24	-303.46	383.35	0.00	0.00	
1,800.00	18.80	232.34	1,736.88	-253.93	-328.97	415.58	0.00	0.00	
1,900.00	18.80	232.34	1,831.55	-273.62	-354.49	447.81	0.00	0.00	
2,000.00	18.80	232.34	1,926.21	-293.32	-380.00	480.03	0.00	0.00	
2,100.00	18.80	232.34	2,020.88	-313.01	-405.51	512.26	0.00	0.00	
2,200.00	18.80	232.34	2,115.54	-332.70	-431.02	544.49	0.00	0.00	
2,300.00	18.80	232.34	2,210.21	-352.39	-456.53	576.72	0.00	0.00	
2,400.00	18.80	232.34	2,304.87	-372.08	-482.04	608.94	0.00	0.00	
2,500.00	18.80	232.34	2,399.53	-391.78	-507.56	641.17	0.00	0.00	
2,600.00	18.80	232.34	2,494.20	-411.47	-533.07	673.40	0.00	0.00	
2,700.00	18.80	232.34	2,588.86	-431.16	-558.58	705.63	0.00	0.00	
2,800.00	18.80	232.34	2,683.53	-450.85	-584.09	737.86	0.00	0.00	
2,900.00	18.80	232.34	2,778.19	-470.55	-609.60	770.08	0.00	0.00	
3,000.00	18.80	232.34	2,872.86	-490.24	-635.11	802.31	0.00	0.00	
3,100.00	18.80	232.34	2,967.52	-509.93	-660.63	834.54	0.00	0.00	
3,200.00	18.80	232.34	3,062.19	-529.62	-686.14	866.77	0.00	0.00	
3,300.00	18.80	232.34	3,156.85	-549.31	-711.65	899.00	0.00	0.00	
3,400.00	18.80	232.34	3,251.51	-569.01	-737.16	931.22	0.00	0.00	
3,500.00	18.80	232.34	3,346.18	-588.70	-762.67	963.45	0.00	0.00	
3,600.00	18.80	232.34	3,440.84	-608.39	-788.19	995.68	0.00	0.00	
3,700.00	18.80	232.34	3,535.51	-628.08	-813.70	1,027.91	0.00	0.00	
3,800.00	18.80	232.34	3,630.17	-647.78	-839.21	1,060.13	0.00	0.00	
3,900.00	18.80	232.34	3,724.84	-667.47	-864.72	1,092.36	0.00	0.00	
4,000.00	18.80	232.34	3,819.50	-687.16	-890.23	1,124.59	0.00	0.00	
4,100.00	18.80	232.34	3,914.17	-706.85	-915.74	1,156.82	0.00	0.00	
4,200.00	18.80	232.34	4,008.83	-726.55	-941.26	1,189.05	0.00	0.00	
4,300.00	18.80	232.34	4,103.50	-746.24	-966.77	1,221.27	0.00	0.00	
4,400.00	18.80	232.34	4,198.16	-765.93	-992.28	1,253.50	0.00	0.00	
4,500.00	18.80	232.34	4,292.82	-785.62	-1,017.79	1,285.73	0.00	0.00	
4,600.00	18.80	232.34	4,387.49	-805.31	-1,043.30	1,317.96	0.00	0.00	
4,700.00	18.80	232.34	4,482.15	-825.01	-1,068.82	1,350.19	0.00	0.00	
4,800.00	18.80	232.34	4,576.82	-844.70	-1,094.33	1,382.41	0.00	0.00	
4,900.00	18.80	232.34	4,671.48	-864.39	-1,119.84	1,414.64	0.00	0.00	
5,000.00	18.80	232.34	4,766.15	-884.08	-1,145.35	1,446.87	0.00	0.00	

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 22D-26 - Slot A-9
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 (6 97 26-A)	North Reference:	True
Well:	PUCKETT 22D-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #2		

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
5,100.00	18.80	232.34	4,860.81	-903.78	-1,170.86	1,479.10	0.00	0.00	
5,200.00	18.80	232.34	4,955.48	-923.47	-1,196.37	1,511.33	0.00	0.00	
5,300.00	18.80	232.34	5,050.14	-943.16	-1,221.89	1,543.55	0.00	0.00	
5,400.00	18.80	232.34	5,144.80	-962.85	-1,247.40	1,575.78	0.00	0.00	
5,500.00	18.80	232.34	5,239.47	-982.54	-1,272.91	1,608.01	0.00	0.00	
5,600.00	18.80	232.34	5,334.13	-1,002.24	-1,298.42	1,640.24	0.00	0.00	
5,700.00	18.80	232.34	5,428.80	-1,021.93	-1,323.93	1,672.46	0.00	0.00	
5,800.00	18.80	232.34	5,523.46	-1,041.62	-1,349.44	1,704.69	0.00	0.00	
5,900.00	18.80	232.34	5,618.13	-1,061.31	-1,374.96	1,736.92	0.00	0.00	
6,000.00	18.80	232.34	5,712.79	-1,081.01	-1,400.47	1,769.15	0.00	0.00	
6,100.00	18.80	232.34	5,807.46	-1,100.70	-1,425.98	1,801.38	0.00	0.00	
6,200.00	18.80	232.34	5,902.12	-1,120.39	-1,451.49	1,833.60	0.00	0.00	
6,235.79	18.80	232.34	5,936.00	-1,127.44	-1,460.62	1,845.14	0.00	0.00	OHIO_CREEK.MBL (TVD)
6,300.00	18.80	232.34	5,996.78	-1,140.08	-1,477.00	1,865.83	0.00	0.00	
6,400.00	18.80	232.34	6,091.45	-1,159.77	-1,502.52	1,898.06	0.00	0.00	
6,470.30	18.80	232.34	6,158.00	-1,173.62	-1,520.45	1,920.72	0.00	0.00	WILLIAMS_FORK.MBL (TVD)
6,500.00	18.80	232.34	6,186.11	-1,179.47	-1,528.03	1,930.29	0.00	0.00	
6,504.63	18.80	232.34	6,190.49	-1,180.38	-1,529.21	1,931.78	0.00	0.00	Start Drop -3.00
6,600.00	15.94	232.34	6,281.51	-1,197.77	-1,551.74	1,960.25	3.00	-3.00	
6,700.00	12.94	232.34	6,378.34	-1,213.01	-1,571.48	1,985.18	3.00	-3.00	
6,800.00	9.94	232.34	6,476.34	-1,225.13	-1,587.18	2,005.01	3.00	-3.00	
6,900.00	6.94	232.34	6,575.25	-1,234.09	-1,598.80	2,019.69	3.00	-3.00	
7,000.00	3.94	232.34	6,674.78	-1,239.89	-1,606.30	2,029.17	3.00	-3.00	
7,100.00	0.94	232.34	6,774.68	-1,242.49	-1,609.67	2,033.42	3.00	-3.00	
7,131.32	0.00	0.00	6,806.00	-1,242.64	-1,609.87	2,033.68	3.00	-3.00	EOD; INC=0°
7,200.00	0.00	0.00	6,874.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,231.32	0.00	0.00	6,906.00	-1,242.64	-1,609.87	2,033.68	0.00	0.00	TOP_GAS.MBL (TVD)
7,300.00	0.00	0.00	6,974.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,400.00	0.00	0.00	7,074.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,500.00	0.00	0.00	7,174.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,600.00	0.00	0.00	7,274.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,700.00	0.00	0.00	7,374.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,800.00	0.00	0.00	7,474.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
7,900.00	0.00	0.00	7,574.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,000.00	0.00	0.00	7,674.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,100.00	0.00	0.00	7,774.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,200.00	0.00	0.00	7,874.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,300.00	0.00	0.00	7,974.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,400.00	0.00	0.00	8,074.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,500.00	0.00	0.00	8,174.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,560.32	0.00	0.00	8,235.00	-1,242.64	-1,609.87	2,033.68	0.00	0.00	CAMEO.MBL (TVD)
8,600.00	0.00	0.00	8,274.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,700.00	0.00	0.00	8,374.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,800.00	0.00	0.00	8,474.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
8,900.00	0.00	0.00	8,574.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
9,000.00	0.00	0.00	8,674.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
9,060.32	0.00	0.00	8,735.00	-1,242.64	-1,609.87	2,033.68	0.00	0.00	ROLLINS.MBL (TVD)
9,100.00	0.00	0.00	8,774.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
9,200.00	0.00	0.00	8,874.68	-1,242.64	-1,609.87	2,033.68	0.00	0.00	
9,210.32	0.00	0.00	8,885.00	-1,242.64	-1,609.87	2,033.68	0.00	0.00	TD at 9210.32 - TD.MBL (TVD)

Cathedral Energy Services

Planning Report

Database:	USA EDM 5000 Multi Users DB	Local Co-ordinate Reference:	Well PUCKETT 22D-26 - Slot A-9
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 (6 97 26-A)	North Reference:	True
Well:	PUCKETT 22D-26	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	PLAN #2		

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
PUCKETT 22D-26 PBHI	0.00	0.00	8,885.00	-1,242.64	-1,609.87	14,354,696.00	2,433,750.00	39.495396	-108.188064
- plan hits target center									
- Circle (radius 100.00)									

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
6,235.79	5,936.00	OHIO_CREEK.MBL (TVD)				
6,470.30	6,158.00	WILLIAMS_FORK.MBL (TVD)				
7,231.32	6,906.00	TOP_GAS.MBL (TVD)				
8,560.32	8,235.00	CAMEO.MBL (TVD)				
9,060.32	8,735.00	ROLLINS.MBL (TVD)				
9,210.32	8,885.00	TD.MBL (TVD)				

Plan Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
200.00	200.00	0.00	0.00	KOP @ 200'	
826.69	815.51	-62.26	-80.67	EOB; INC=18.8°	
6,504.63	6,190.49	-1,180.38	-1,529.21	Start Drop -3.00	
7,131.32	6,806.00	-1,242.64	-1,609.87	EOD; INC=0°	
9,210.32	8,885.00	-1,242.64	-1,609.87	TD at 9210.32	