

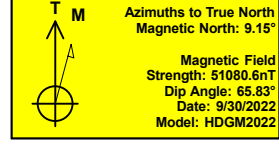
Project: Rio Blanco County, CO
 Site: PCU B27 197 Pad
 Well: RNPU B27 FED 25A-22 197
 Wellbore: OH
 Design: Prelim #1
 Latitude: 39.941186
 Longitude: -108.268589
 Ground Level: 6510.0
 RKB @ 6540.0usft (30')

FORMATION TOP DETAILS			
TVDPATH	MDPATH	FORMATION	
2484.0	2580.7	ORANGE_MARKER	
2631.0	2736.8	WASATCH	
5595.0	5886.2	WASATCH_G_ZONE	
6078.0	6399.4	FORT_UNION	
7606.0	7995.5	OHIO_CREEK	
8356.0	8745.6	WILLIAMS_FORK	
11321.0	11711.1	CAMEO	
11871.0	12261.2	ROLLINS	
11946.0	12336.2	COZZETTE	
12546.0	12936.3	Corcoran	

REFERENCE INFORMATION	
Co-ordinate (NE) Reference:	Well RNPU B27 FED 25A-22 197 - Slot 25A-22, True North
Vertical (TVD) Reference:	RKB @ 6540.0usft (30')
Section (VS) Reference:	Slot - 25A-22(0.0N, 0.0E)
Measured Depth Reference:	RKB @ 6540.0usft (30')
Calculation Method:	Minimum Curvature

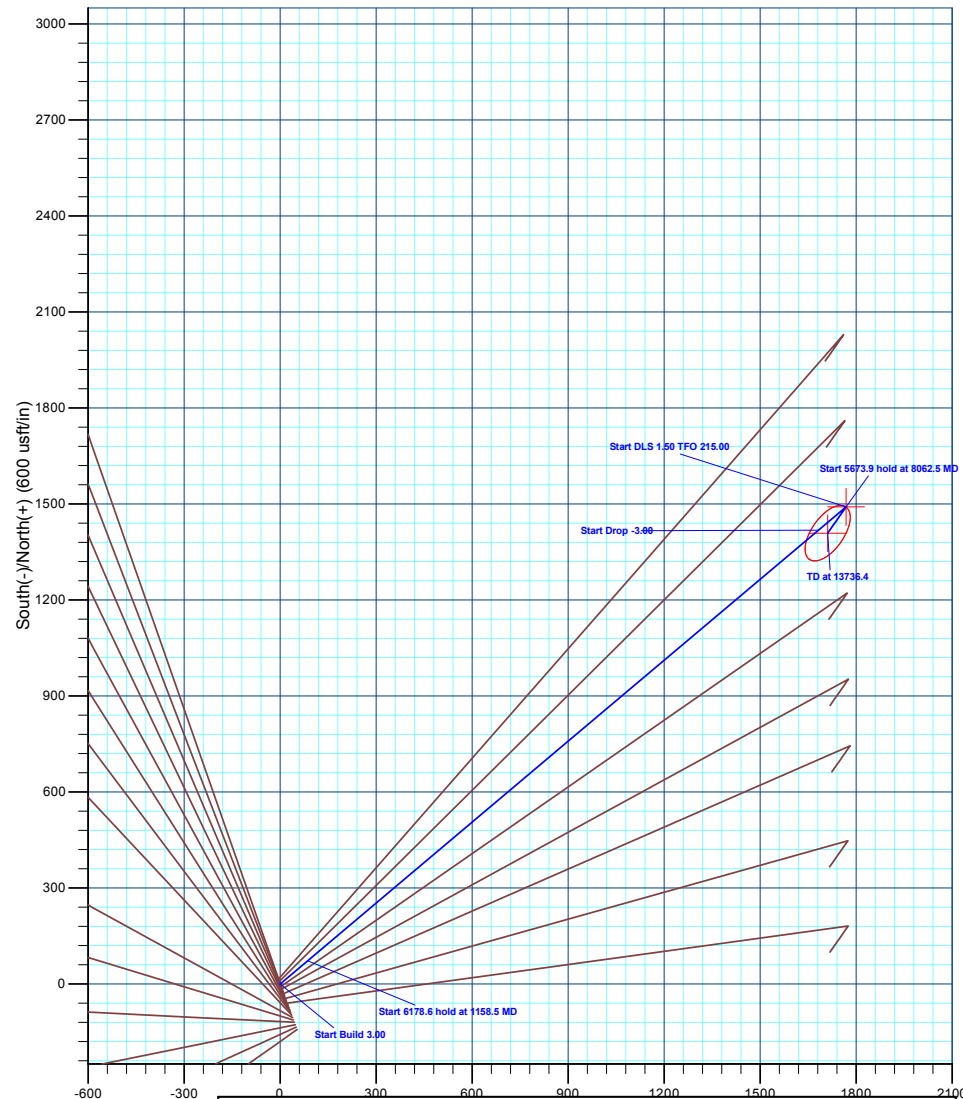
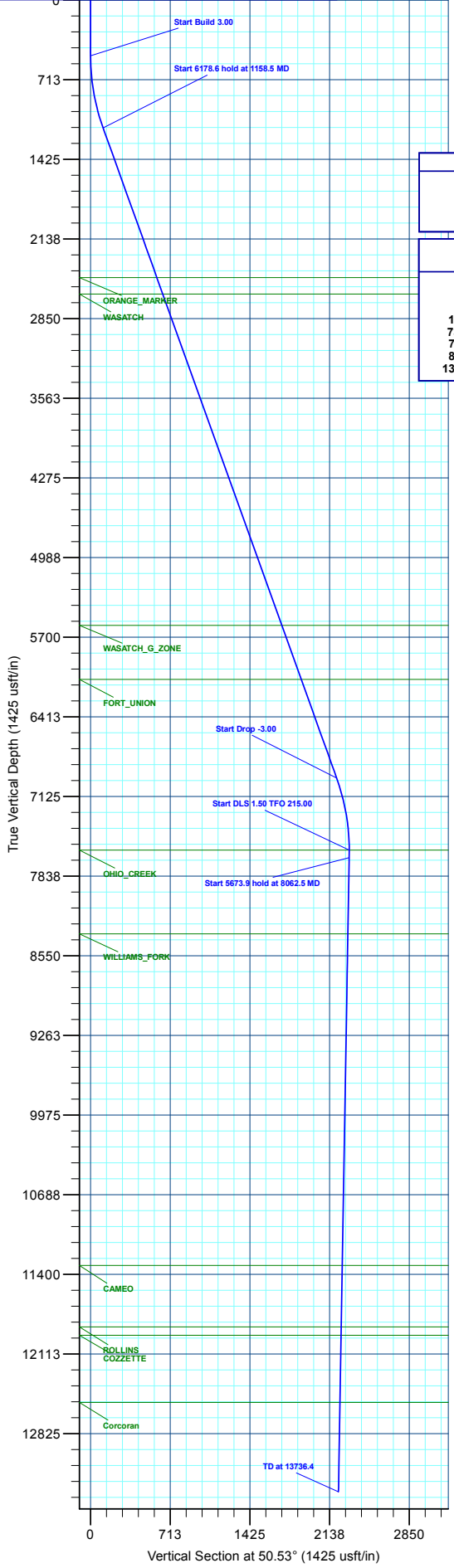
WELL DETAILS: RNPU B27 FED 25A-22 197					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14516350.10	2406078.50	39.941186	-108.268589
			6510.0		

PROJECT DETAILS: Rio Blanco County, CO	
Geodetic System:	Universal Transverse Mercator (US Survey Feet)
Datum:	NAD 1927 - Western US
Ellipsoid:	Clarke 1866
Zone:	Zone 12N (114 W to 108 W)
System Datum:	Mean Sea Level



DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
25A-22 - OHCR	7606.0	1490.8	1768.5	14517894.33	2407800.53	39.945278
25A-22 - PBHL	13346.0	1408.9	1711.1	14517810.70	2407745.70	39.945053

SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Start Build 3.00	
1158.5	19.75	49.87	1145.5	72.4	85.9	3.00	49.87	112.4	Start 6178.6 hold at 1158.5 MD	
7337.1	19.75	49.87	6960.5	1418.3	1682.6	0.00	0.00	2200.5	Start Drop -3.00	
7995.5	0.00	0.00	7606.0	1490.8	1768.5	3.00	180.00	2312.9	Start DLS 1.50 TFO 215.00	
8062.5	1.00	215.00	7672.9	1490.3	1768.2	1.50	215.00	2312.3	Start 5673.9 hold at 8062.5 MD	
13736.4	1.00	215.00	13346.0	1408.9	1711.1	0.00	0.00	2216.5	TD at 13736.4	



Plan: Prelim #1 (RNPU B27 FED 25A-22 197/OH)
 Created By: Will Jircik Date: 1:52, November 02 2022



Caerus Oil & Gas

Rio Blanco County, CO

PCU B27 197 Pad

RNPU B27 FED 25A-22 197 - Slot 25A-22

OH

Plan: Prelim #1

KLX Well Planning Report

02 November, 2022



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well RNPU B27 FED 25A-22 197 - Slot 25A-22
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6540.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6540.0usft (30')
Site:	PCU B27 197 Pad	North Reference:	True
Well:	RNPU B27 FED 25A-22 197	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim #1		

Project	Rio Blanco County, CO		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	PCU B27 197 Pad				
Site Position:		Northing:	14,516,246.40 usft	Latitude:	39.940899
From:	Map	Easting:	2,406,120.80 usft	Longitude:	-108.268449
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.75 °

Well	RNPU B27 FED 25A-22 197 - Slot 25A-22					
Well Position	+N/-S	104.9 usft	Northing:	14,516,350.10 usft	Latitude:	39.941187
	+E/-W	-39.1 usft	Easting:	2,406,078.50 usft	Longitude:	-108.268589
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	6,510.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	9/30/2022	9.15	65.83	51,080.60000000

Design	Prelim #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	50.53	

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		
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00		
1,158.5	19.75	49.87	1,145.5	72.4	85.9	3.00	3.00	0.00	49.87		
7,337.1	19.75	49.87	6,960.5	1,418.3	1,682.6	0.00	0.00	0.00	0.00		
7,995.5	0.00	0.00	7,606.0	1,490.8	1,768.5	3.00	-3.00	0.00	180.00	25A-22 - OHCR	
8,062.5	1.00	215.00	7,672.9	1,490.3	1,768.2	1.50	1.50	-216.64	215.00		
13,736.4	1.00	215.00	13,346.0	1,408.9	1,711.1	0.00	0.00	0.00	0.00	25A-22 - PBHL	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well RNPU B27 FED 25A-22 197 - Slot 25A-22
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6540.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6540.0usft (30')
Site:	PCU B27 197 Pad	North Reference:	True
Well:	RNPU B27 FED 25A-22 197	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim #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 (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 3.00									
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3.00	49.87	600.0	1.7	2.0	2.6	3.00	3.00	0.00
700.0	6.00	49.87	699.6	6.7	8.0	10.5	3.00	3.00	0.00
800.0	9.00	49.87	798.8	15.2	18.0	23.5	3.00	3.00	0.00
900.0	12.00	49.87	897.1	26.9	31.9	41.7	3.00	3.00	0.00
1,000.0	15.00	49.87	994.3	41.9	49.8	65.1	3.00	3.00	0.00
1,100.0	18.00	49.87	1,090.2	60.2	71.5	93.5	3.00	3.00	0.00
Start 6178.6 hold at 1158.5 MD									
1,158.5	19.75	49.87	1,145.5	72.4	85.9	112.4	3.00	3.00	0.00
1,200.0	19.75	49.87	1,184.6	81.5	96.7	126.4	0.00	0.00	0.00
1,300.0	19.75	49.87	1,278.7	103.3	122.5	160.2	0.00	0.00	0.00
1,400.0	19.75	49.87	1,372.8	125.1	148.3	194.0	0.00	0.00	0.00
1,500.0	19.75	49.87	1,466.9	146.8	174.2	227.8	0.00	0.00	0.00
1,600.0	19.75	49.87	1,561.0	168.6	200.0	261.6	0.00	0.00	0.00
1,700.0	19.75	49.87	1,655.2	190.4	225.9	295.4	0.00	0.00	0.00
1,800.0	19.75	49.87	1,749.3	212.2	251.7	329.2	0.00	0.00	0.00
1,900.0	19.75	49.87	1,843.4	234.0	277.6	363.0	0.00	0.00	0.00
2,000.0	19.75	49.87	1,937.5	255.8	303.4	396.8	0.00	0.00	0.00
2,100.0	19.75	49.87	2,031.6	277.5	329.2	430.6	0.00	0.00	0.00
2,200.0	19.75	49.87	2,125.7	299.3	355.1	464.4	0.00	0.00	0.00
2,300.0	19.75	49.87	2,219.9	321.1	380.9	498.2	0.00	0.00	0.00
2,400.0	19.75	49.87	2,314.0	342.9	406.8	532.0	0.00	0.00	0.00
2,500.0	19.75	49.87	2,408.1	364.7	432.6	565.8	0.00	0.00	0.00
ORANGE_MARKER									
2,580.7	19.75	49.87	2,484.0	382.2	453.4	593.0	0.00	0.00	0.00
2,600.0	19.75	49.87	2,502.2	386.5	458.4	599.6	0.00	0.00	0.00
2,700.0	19.75	49.87	2,596.3	408.2	484.3	633.4	0.00	0.00	0.00
WASATCH									
2,736.8	19.75	49.87	2,631.0	416.3	493.8	645.8	0.00	0.00	0.00
2,800.0	19.75	49.87	2,690.4	430.0	510.1	667.1	0.00	0.00	0.00
2,900.0	19.75	49.87	2,784.5	451.8	536.0	700.9	0.00	0.00	0.00
3,000.0	19.75	49.87	2,878.7	473.6	561.8	734.7	0.00	0.00	0.00
3,100.0	19.75	49.87	2,972.8	495.4	587.7	768.5	0.00	0.00	0.00
3,200.0	19.75	49.87	3,066.9	517.2	613.5	802.3	0.00	0.00	0.00
3,300.0	19.75	49.87	3,161.0	538.9	639.3	836.1	0.00	0.00	0.00
3,400.0	19.75	49.87	3,255.1	560.7	665.2	869.9	0.00	0.00	0.00
3,500.0	19.75	49.87	3,349.2	582.5	691.0	903.7	0.00	0.00	0.00
3,600.0	19.75	49.87	3,443.4	604.3	716.9	937.5	0.00	0.00	0.00
3,700.0	19.75	49.87	3,537.5	626.1	742.7	971.3	0.00	0.00	0.00
3,800.0	19.75	49.87	3,631.6	647.9	768.5	1,005.1	0.00	0.00	0.00
3,900.0	19.75	49.87	3,725.7	669.6	794.4	1,038.9	0.00	0.00	0.00
4,000.0	19.75	49.87	3,819.8	691.4	820.2	1,072.7	0.00	0.00	0.00
4,100.0	19.75	49.87	3,913.9	713.2	846.1	1,106.5	0.00	0.00	0.00
4,200.0	19.75	49.87	4,008.0	735.0	871.9	1,140.3	0.00	0.00	0.00
4,300.0	19.75	49.87	4,102.2	756.8	897.7	1,174.1	0.00	0.00	0.00
4,400.0	19.75	49.87	4,196.3	778.6	923.6	1,207.9	0.00	0.00	0.00
4,500.0	19.75	49.87	4,290.4	800.3	949.4	1,241.7	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well RNPU B27 FED 25A-22 197 - Slot 25A-22
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6540.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6540.0usft (30')
Site:	PCU B27 197 Pad	North Reference:	True
Well:	RNPU B27 FED 25A-22 197	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim #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 (°/100usft)	Turn Rate (°/100usft)
4,600.0	19.75	49.87	4,384.5	822.1	975.3	1,275.5	0.00	0.00	0.00
4,700.0	19.75	49.87	4,478.6	843.9	1,001.1	1,309.3	0.00	0.00	0.00
4,800.0	19.75	49.87	4,572.7	865.7	1,027.0	1,343.1	0.00	0.00	0.00
4,900.0	19.75	49.87	4,666.9	887.5	1,052.8	1,376.9	0.00	0.00	0.00
5,000.0	19.75	49.87	4,761.0	909.3	1,078.6	1,410.7	0.00	0.00	0.00
5,100.0	19.75	49.87	4,855.1	931.0	1,104.5	1,444.4	0.00	0.00	0.00
5,200.0	19.75	49.87	4,949.2	952.8	1,130.3	1,478.2	0.00	0.00	0.00
5,300.0	19.75	49.87	5,043.3	974.6	1,156.2	1,512.0	0.00	0.00	0.00
5,400.0	19.75	49.87	5,137.4	996.4	1,182.0	1,545.8	0.00	0.00	0.00
5,500.0	19.75	49.87	5,231.5	1,018.2	1,207.8	1,579.6	0.00	0.00	0.00
5,600.0	19.75	49.87	5,325.7	1,040.0	1,233.7	1,613.4	0.00	0.00	0.00
5,700.0	19.75	49.87	5,419.8	1,061.7	1,259.5	1,647.2	0.00	0.00	0.00
5,800.0	19.75	49.87	5,513.9	1,083.5	1,285.4	1,681.0	0.00	0.00	0.00
WASATCH_G_ZONE									
5,886.2	19.75	49.87	5,595.0	1,102.3	1,307.6	1,710.1	0.00	0.00	0.00
5,900.0	19.75	49.87	5,608.0	1,105.3	1,311.2	1,714.8	0.00	0.00	0.00
6,000.0	19.75	49.87	5,702.1	1,127.1	1,337.1	1,748.6	0.00	0.00	0.00
6,100.0	19.75	49.87	5,796.2	1,148.9	1,362.9	1,782.4	0.00	0.00	0.00
6,200.0	19.75	49.87	5,890.4	1,170.7	1,388.7	1,816.2	0.00	0.00	0.00
6,300.0	19.75	49.87	5,984.5	1,192.4	1,414.6	1,850.0	0.00	0.00	0.00
FORT_UNION									
6,399.4	19.75	49.87	6,078.0	1,214.1	1,440.3	1,883.6	0.00	0.00	0.00
6,400.0	19.75	49.87	6,078.6	1,214.2	1,440.4	1,883.8	0.00	0.00	0.00
6,500.0	19.75	49.87	6,172.7	1,236.0	1,466.3	1,917.6	0.00	0.00	0.00
6,600.0	19.75	49.87	6,266.8	1,257.8	1,492.1	1,951.4	0.00	0.00	0.00
6,700.0	19.75	49.87	6,360.9	1,279.6	1,517.9	1,985.2	0.00	0.00	0.00
6,800.0	19.75	49.87	6,455.0	1,301.4	1,543.8	2,019.0	0.00	0.00	0.00
6,900.0	19.75	49.87	6,549.2	1,323.1	1,569.6	2,052.8	0.00	0.00	0.00
7,000.0	19.75	49.87	6,643.3	1,344.9	1,595.5	2,086.6	0.00	0.00	0.00
7,100.0	19.75	49.87	6,737.4	1,366.7	1,621.3	2,120.4	0.00	0.00	0.00
7,200.0	19.75	49.87	6,831.5	1,388.5	1,647.2	2,154.2	0.00	0.00	0.00
7,300.0	19.75	49.87	6,925.6	1,410.3	1,673.0	2,188.0	0.00	0.00	0.00
Start Drop -3.00									
7,337.1	19.75	49.87	6,960.5	1,418.3	1,682.6	2,200.5	0.00	0.00	0.00
7,400.0	17.87	49.87	7,020.1	1,431.4	1,698.1	2,220.8	3.00	-3.00	0.00
7,500.0	14.87	49.87	7,116.0	1,449.6	1,719.6	2,248.9	3.00	-3.00	0.00
7,600.0	11.87	49.87	7,213.3	1,464.5	1,737.3	2,272.1	3.00	-3.00	0.00
7,700.0	8.87	49.87	7,311.7	1,476.1	1,751.1	2,290.0	3.00	-3.00	0.00
7,800.0	5.87	49.87	7,410.8	1,484.3	1,760.9	2,302.9	3.00	-3.00	0.00
7,900.0	2.87	49.87	7,510.5	1,489.2	1,766.7	2,310.5	3.00	-3.00	0.00
Start DLS 1.50 TFO 215.00 - OHIO_CREEK									
7,995.5	0.00	0.00	7,606.0	1,490.8	1,768.5	2,312.9	3.00	-3.00	0.00
8,000.0	0.07	215.00	7,610.5	1,490.8	1,768.5	2,312.9	1.50	1.50	0.00
Start 5673.9 hold at 8062.5 MD									
8,062.5	1.00	215.00	7,672.9	1,490.3	1,768.2	2,312.3	1.50	1.50	0.00
8,100.0	1.00	215.00	7,710.5	1,489.8	1,767.8	2,311.7	0.00	0.00	0.00
8,200.0	1.00	215.00	7,810.5	1,488.3	1,766.8	2,310.0	0.00	0.00	0.00
8,300.0	1.00	215.00	7,910.4	1,486.9	1,765.8	2,308.3	0.00	0.00	0.00
8,400.0	1.00	215.00	8,010.4	1,485.5	1,764.8	2,306.6	0.00	0.00	0.00
8,500.0	1.00	215.00	8,110.4	1,484.0	1,763.8	2,304.9	0.00	0.00	0.00
8,600.0	1.00	215.00	8,210.4	1,482.6	1,762.8	2,303.2	0.00	0.00	0.00
8,700.0	1.00	215.00	8,310.4	1,481.2	1,761.8	2,301.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well RNPU B27 FED 25A-22 197 - Slot 25A-22
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6540.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6540.0usft (30')
Site:	PCU B27 197 Pad	North Reference:	True
Well:	RNPU B27 FED 25A-22 197	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim #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 (°/100usft)	Turn Rate (°/100usft)
WILLIAMS_FORK									
8,745.6	1.00	215.00	8,356.0	1,480.5	1,761.3	2,300.8	0.00	0.00	0.00
8,800.0	1.00	215.00	8,410.4	1,479.7	1,760.8	2,299.8	0.00	0.00	0.00
8,900.0	1.00	215.00	8,510.3	1,478.3	1,759.7	2,298.2	0.00	0.00	0.00
9,000.0	1.00	215.00	8,610.3	1,476.8	1,758.7	2,296.5	0.00	0.00	0.00
9,100.0	1.00	215.00	8,710.3	1,475.4	1,757.7	2,294.8	0.00	0.00	0.00
9,200.0	1.00	215.00	8,810.3	1,474.0	1,756.7	2,293.1	0.00	0.00	0.00
9,300.0	1.00	215.00	8,910.3	1,472.5	1,755.7	2,291.4	0.00	0.00	0.00
9,400.0	1.00	215.00	9,010.3	1,471.1	1,754.7	2,289.7	0.00	0.00	0.00
9,500.0	1.00	215.00	9,110.3	1,469.7	1,753.7	2,288.0	0.00	0.00	0.00
9,600.0	1.00	215.00	9,210.2	1,468.2	1,752.7	2,286.3	0.00	0.00	0.00
9,700.0	1.00	215.00	9,310.2	1,466.8	1,751.7	2,284.6	0.00	0.00	0.00
9,800.0	1.00	215.00	9,410.2	1,465.4	1,750.7	2,283.0	0.00	0.00	0.00
9,900.0	1.00	215.00	9,510.2	1,463.9	1,749.7	2,281.3	0.00	0.00	0.00
10,000.0	1.00	215.00	9,610.2	1,462.5	1,748.7	2,279.6	0.00	0.00	0.00
10,100.0	1.00	215.00	9,710.2	1,461.1	1,747.7	2,277.9	0.00	0.00	0.00
10,200.0	1.00	215.00	9,810.1	1,459.6	1,746.7	2,276.2	0.00	0.00	0.00
10,300.0	1.00	215.00	9,910.1	1,458.2	1,745.7	2,274.5	0.00	0.00	0.00
10,400.0	1.00	215.00	10,010.1	1,456.8	1,744.7	2,272.8	0.00	0.00	0.00
10,500.0	1.00	215.00	10,110.1	1,455.3	1,743.7	2,271.1	0.00	0.00	0.00
10,600.0	1.00	215.00	10,210.1	1,453.9	1,742.7	2,269.5	0.00	0.00	0.00
10,700.0	1.00	215.00	10,310.1	1,452.4	1,741.7	2,267.8	0.00	0.00	0.00
10,800.0	1.00	215.00	10,410.1	1,451.0	1,740.6	2,266.1	0.00	0.00	0.00
10,900.0	1.00	215.00	10,510.0	1,449.6	1,739.6	2,264.4	0.00	0.00	0.00
11,000.0	1.00	215.00	10,610.0	1,448.1	1,738.6	2,262.7	0.00	0.00	0.00
11,100.0	1.00	215.00	10,710.0	1,446.7	1,737.6	2,261.0	0.00	0.00	0.00
11,200.0	1.00	215.00	10,810.0	1,445.3	1,736.6	2,259.3	0.00	0.00	0.00
11,300.0	1.00	215.00	10,910.0	1,443.8	1,735.6	2,257.6	0.00	0.00	0.00
11,400.0	1.00	215.00	11,010.0	1,442.4	1,734.6	2,256.0	0.00	0.00	0.00
11,500.0	1.00	215.00	11,109.9	1,441.0	1,733.6	2,254.3	0.00	0.00	0.00
11,600.0	1.00	215.00	11,209.9	1,439.5	1,732.6	2,252.6	0.00	0.00	0.00
11,700.0	1.00	215.00	11,309.9	1,438.1	1,731.6	2,250.9	0.00	0.00	0.00
CAMEO									
11,711.1	1.00	215.00	11,321.0	1,437.9	1,731.5	2,250.7	0.00	0.00	0.00
11,800.0	1.00	215.00	11,409.9	1,436.7	1,730.6	2,249.2	0.00	0.00	0.00
11,900.0	1.00	215.00	11,509.9	1,435.2	1,729.6	2,247.5	0.00	0.00	0.00
12,000.0	1.00	215.00	11,609.9	1,433.8	1,728.6	2,245.8	0.00	0.00	0.00
12,100.0	1.00	215.00	11,709.9	1,432.4	1,727.6	2,244.1	0.00	0.00	0.00
12,200.0	1.00	215.00	11,809.8	1,430.9	1,726.6	2,242.4	0.00	0.00	0.00
ROLLINS									
12,261.2	1.00	215.00	11,871.0	1,430.0	1,726.0	2,241.4	0.00	0.00	0.00
12,300.0	1.00	215.00	11,909.8	1,429.5	1,725.6	2,240.8	0.00	0.00	0.00
COZZETTE									
12,336.2	1.00	215.00	11,946.0	1,429.0	1,725.2	2,240.1	0.00	0.00	0.00
12,400.0	1.00	215.00	12,009.8	1,428.1	1,724.6	2,239.1	0.00	0.00	0.00
12,500.0	1.00	215.00	12,109.8	1,426.6	1,723.6	2,237.4	0.00	0.00	0.00
12,600.0	1.00	215.00	12,209.8	1,425.2	1,722.6	2,235.7	0.00	0.00	0.00
12,700.0	1.00	215.00	12,309.8	1,423.7	1,721.6	2,234.0	0.00	0.00	0.00
12,800.0	1.00	215.00	12,409.7	1,422.3	1,720.5	2,232.3	0.00	0.00	0.00
12,900.0	1.00	215.00	12,509.7	1,420.9	1,719.5	2,230.6	0.00	0.00	0.00
Corcoran									
12,936.3	1.00	215.00	12,546.0	1,420.4	1,719.2	2,230.0	0.00	0.00	0.00
13,000.0	1.00	215.00	12,609.7	1,419.4	1,718.5	2,228.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well RNPU B27 FED 25A-22 197 - Slot 25A-22
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6540.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6540.0usft (30')
Site:	PCU B27 197 Pad	North Reference:	True
Well:	RNPU B27 FED 25A-22 197	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Prelim #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 (°/100usft)	Turn Rate (°/100usft)	
13,100.0	1.00	215.00	12,709.7	1,418.0	1,717.5	2,227.3	0.00	0.00	0.00	
13,200.0	1.00	215.00	12,809.7	1,416.6	1,716.5	2,225.6	0.00	0.00	0.00	
13,300.0	1.00	215.00	12,909.7	1,415.1	1,715.5	2,223.9	0.00	0.00	0.00	
13,400.0	1.00	215.00	13,009.7	1,413.7	1,714.5	2,222.2	0.00	0.00	0.00	
13,500.0	1.00	215.00	13,109.6	1,412.3	1,713.5	2,220.5	0.00	0.00	0.00	
13,600.0	1.00	215.00	13,209.6	1,410.8	1,712.5	2,218.8	0.00	0.00	0.00	
13,700.0	1.00	215.00	13,309.6	1,409.4	1,711.5	2,217.1	0.00	0.00	0.00	
TD at 13736.4										
13,736.4	1.00	215.00	13,346.0	1,408.9	1,711.1	2,216.5	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
25A-22 - OHCR - hit/miss target - Shape - Point	0.00	0.00	7,606.0	1,490.8	1,768.5	14,517,894.33	2,407,800.53	39.945278	-108.262283	
25A-22 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 215.00 azi)	0.00	0.00	13,346.0	1,408.9	1,711.1	14,517,810.70	2,407,745.70	39.945053	-108.262488	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,580.7	2,484.0	ORANGE_MARKER				
2,736.8	2,631.0	WASATCH				
5,886.2	5,595.0	WASATCH_G_ZONE				
6,399.4	6,078.0	FORT_UNION				
7,995.5	7,606.0	OHIO_CREEK				
8,745.6	8,356.0	WILLIAMS_FORK				
11,711.1	11,321.0	CAMEO				
12,261.2	11,871.0	ROLLINS				
12,336.2	11,946.0	COZZETTE				
12,936.3	12,546.0	Corcoran				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
500.0	500.0	0.0	0.0	Start Build 3.00	
1,158.5	1,145.5	72.4	85.9	Start 6178.6 hold at 1158.5 MD	
7,337.1	6,960.5	1,418.3	1,682.6	Start Drop -3.00	
7,995.5	7,606.0	1,490.8	1,768.5	Start DLS 1.50 TFO 215.00	
8,062.5	7,672.9	1,490.3	1,768.2	Start 5673.9 hold at 8062.5 MD	
13,736.4	13,346.0	1,408.9	1,711.1	TD at 13736.4	