

Project: Rio Blanco County, CO
Site: ELU A18 495 Pad
Well: ELU A18 FED 24C-12-496
Wellbore: OH
Design: Design #5
Latitude: 39.709070
Longitude: -108.104168
Ground Level: 8029.0
RKB=30' @ 8059.0usft (TBD)

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

REFERENCE INFORMATION
Vertical (TVD) Reference: RKB=30' @ 8059.0usft (TBD)
Section (VS) Reference: Slot - 24C-12(0.0N, 0.0E)
Measured Depth Reference: RKB=30' @ 8059.0usft (TBD)
Calculation Method: Minimum Curvature

SECTION DETAILS

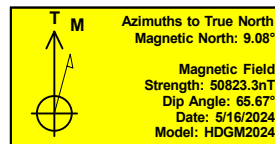
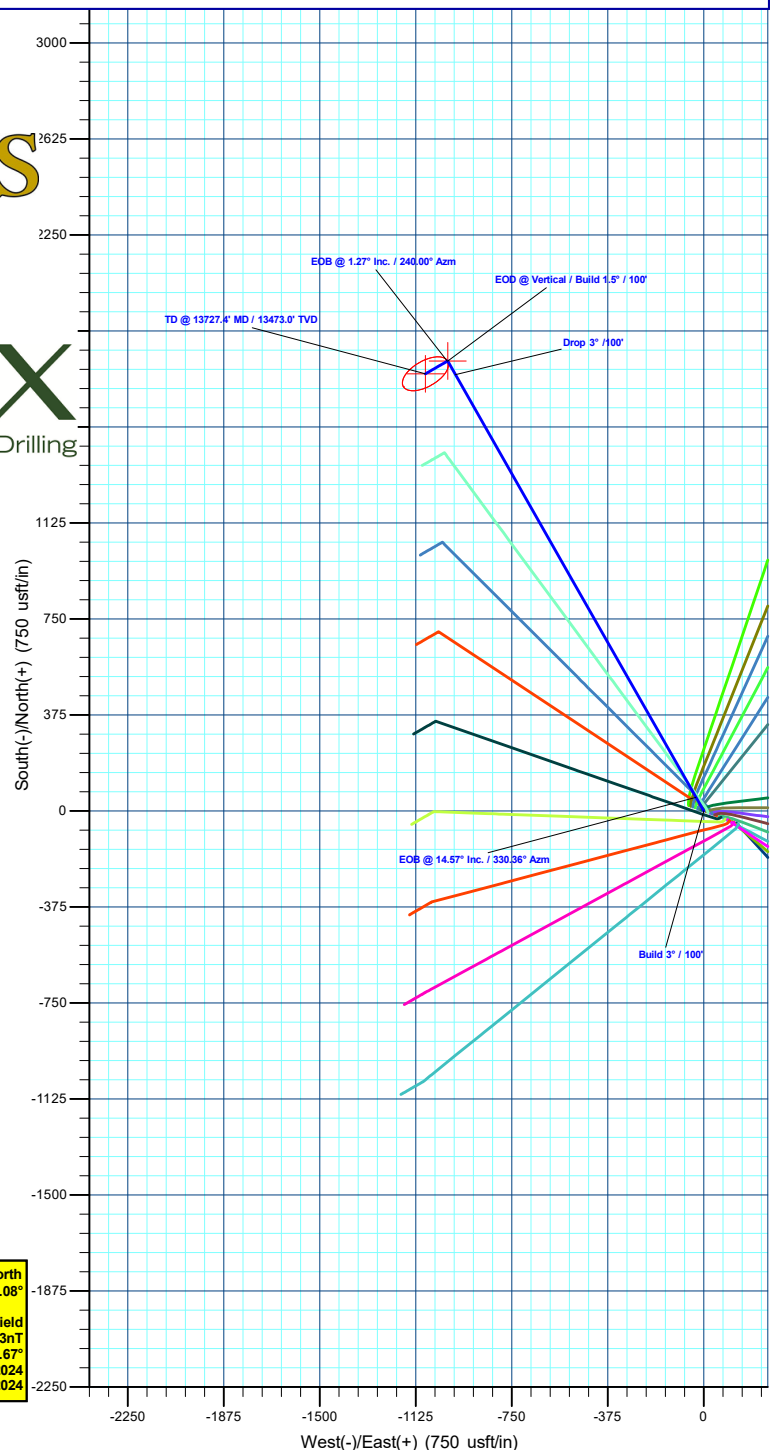
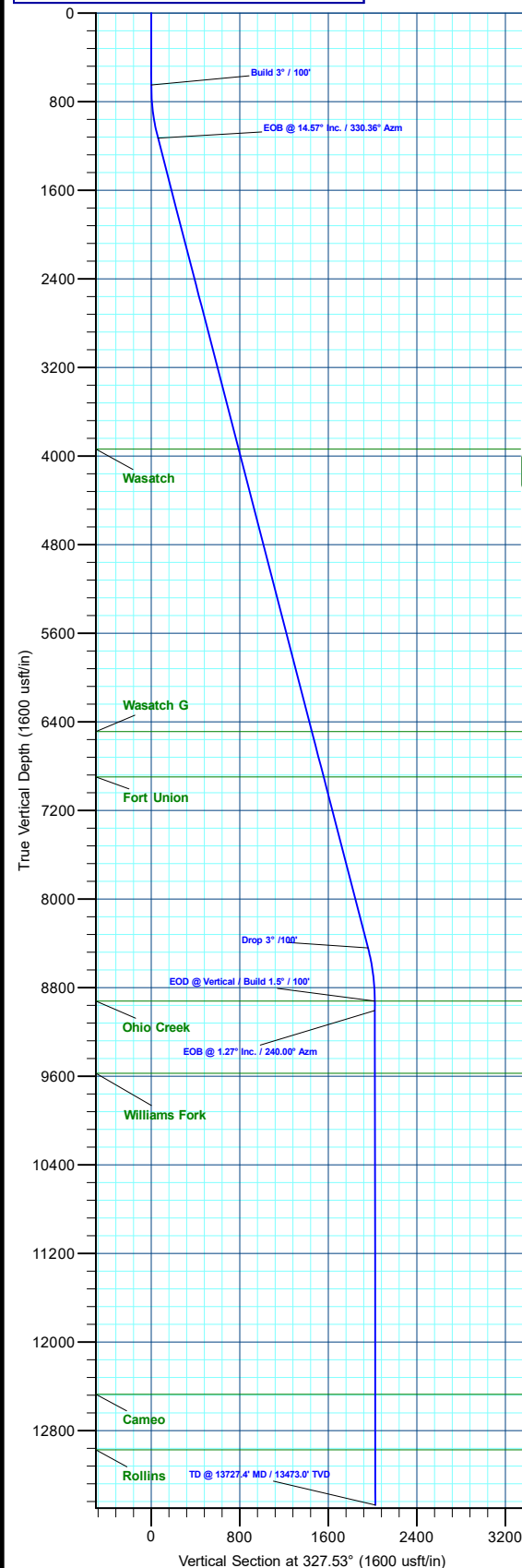
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.0	EOB @ 14.57° Inc. / 330.36° Azm
1135.6	14.57	330.36	1130.4	53.4	-30.4	3.00	330.36	61.3	Drop 3° / 100'
8690.7	14.57	330.36	8442.6	1705.0	-970.1	0.00	0.00	1959.2	EOB @ Vertical / Build 1.5° / 100'
9176.3	0.00	0.00	8923.0	1758.3	-1000.5	3.00	180.00	2020.6	EOB @ Vertical / Build 1.5° / 100'
9261.0	1.27	240.00	9007.7	1757.8	-1001.3	1.50	240.00	2020.6	EOB @ 1.27° Inc. / 240.00° Azm
13727.4	1.27	240.00	13473.0	1708.3	-1087.1	0.00	0.00	2024.9	TD @ 13727.4' MD / 13473.0' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
24C-12 - OHCR	8923.0	1758.3	-1000.5	14434991.17	2453857.34	39.713895	-108.107723
24C-12 - PBHL	13473.0	1708.3	-1087.1	14434938.40	2453772.40	39.713758	-108.108030

WELL DETAILS: ELU A18 FED 24C-12-496

Ground Level : 8029.0							
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	24C-12	
0.0	0.0	14433266.09	2454914.10	39.709070	-108.104168		



Plan: Design #5 (ELU A18 FED 24C-12-496/OH)

Created By: Will Jircik Date: 22:22, June 09 2024



Caerus Oil & Gas

Rio Blanco County, CO

ELU A18 495 Pad

ELU A18 FED 24C-12-496 - Slot 24C-12

OH

Plan: Design #5

KLX Well Planning Report

09 June, 2024



Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 24C-12-496 - Slot 24C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB=30' @ 8059.0usft (TBD)
Project:	Rio Blanco County, CO	MD Reference:	RKB=30' @ 8059.0usft (TBD)
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 24C-12-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #5		

Project	Rio Blanco County, CO		
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		ELU A18 495 Pad				
Site Position:		Northing:	14,433,285.62 usft	Latitude:	39.709129	
From:	Map	Easting:	2,454,854.21 usft	Longitude:	-108.104378	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.85 °

Well		ELU A18 FED 24C-12-496 - Slot 24C-12				
Well Position	+N/-S	-21.5 usft	Northing:	14,433,266.09 usft	Latitude:	39.709070
	+E/-W	59.2 usft	Easting:	2,454,914.10 usft	Longitude:	-108.104168
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	8,029.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	5/16/2024	9.08	65.67	50,823.30000000

Design	Design #5			
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	327.53

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	
650.0	0.00	0.00	650.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,135.6	14.57	330.36	1,130.4	53.4	-30.4	3.00	3.00	0.00	330.36	
8,690.7	14.57	330.36	8,442.6	1,705.0	-970.1	0.00	0.00	0.00	0.00	
9,176.3	0.00	0.00	8,923.0	1,758.3	-1,000.5	3.00	-3.00	0.00	180.00	24C-12 - OHCR
9,261.0	1.27	240.00	9,007.7	1,757.8	-1,001.3	1.50	1.50	-141.63	240.00	
13,727.4	1.27	240.00	13,473.0	1,708.3	-1,087.1	0.00	0.00	0.00	0.00	24C-12 - PBHL

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 24C-12-496 - Slot 24C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB=30' @ 8059.0usft (TBD)
Project:	Rio Blanco County, CO	MD Reference:	RKB=30' @ 8059.0usft (TBD)
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 24C-12-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #5		

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
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 3° / 100'									
650.0	0.00	0.00	650.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	330.36	700.0	0.6	-0.3	0.7	3.00	3.00	0.00
800.0	4.50	330.36	799.8	5.1	-2.9	5.9	3.00	3.00	0.00
900.0	7.50	330.36	899.3	14.2	-8.1	16.3	3.00	3.00	0.00
1,000.0	10.50	330.36	998.0	27.8	-15.8	31.9	3.00	3.00	0.00
1,100.0	13.50	330.36	1,095.8	45.9	-26.1	52.7	3.00	3.00	0.00
EOB @ 14.57° Inc. / 330.36° Azm									
1,135.6	14.57	330.36	1,130.4	53.4	-30.4	61.3	3.00	3.00	0.00
1,200.0	14.57	330.36	1,192.7	67.4	-38.4	77.5	0.00	0.00	0.00
1,300.0	14.57	330.36	1,289.5	89.3	-50.8	102.6	0.00	0.00	0.00
1,400.0	14.57	330.36	1,386.3	111.2	-63.3	127.7	0.00	0.00	0.00
1,500.0	14.57	330.36	1,483.1	133.0	-75.7	152.9	0.00	0.00	0.00
1,600.0	14.57	330.36	1,579.9	154.9	-88.1	178.0	0.00	0.00	0.00
1,700.0	14.57	330.36	1,676.6	176.7	-100.6	203.1	0.00	0.00	0.00
1,800.0	14.57	330.36	1,773.4	198.6	-113.0	228.2	0.00	0.00	0.00
1,900.0	14.57	330.36	1,870.2	220.5	-125.4	253.4	0.00	0.00	0.00
2,000.0	14.57	330.36	1,967.0	242.3	-137.9	278.5	0.00	0.00	0.00
2,100.0	14.57	330.36	2,063.8	264.2	-150.3	303.6	0.00	0.00	0.00
2,200.0	14.57	330.36	2,160.6	286.1	-162.8	328.7	0.00	0.00	0.00
2,300.0	14.57	330.36	2,257.4	307.9	-175.2	353.8	0.00	0.00	0.00
2,400.0	14.57	330.36	2,354.1	329.8	-187.6	379.0	0.00	0.00	0.00
2,500.0	14.57	330.36	2,450.9	351.6	-200.1	404.1	0.00	0.00	0.00
2,600.0	14.57	330.36	2,547.7	373.5	-212.5	429.2	0.00	0.00	0.00
2,700.0	14.57	330.36	2,644.5	395.4	-225.0	454.3	0.00	0.00	0.00
2,800.0	14.57	330.36	2,741.3	417.2	-237.4	479.4	0.00	0.00	0.00
2,900.0	14.57	330.36	2,838.1	439.1	-249.8	504.6	0.00	0.00	0.00
3,000.0	14.57	330.36	2,934.9	460.9	-262.3	529.7	0.00	0.00	0.00
3,100.0	14.57	330.36	3,031.6	482.8	-274.7	554.8	0.00	0.00	0.00
3,200.0	14.57	330.36	3,128.4	504.7	-287.1	579.9	0.00	0.00	0.00
3,300.0	14.57	330.36	3,225.2	526.5	-299.6	605.0	0.00	0.00	0.00
3,400.0	14.57	330.36	3,322.0	548.4	-312.0	630.2	0.00	0.00	0.00
3,500.0	14.57	330.36	3,418.8	570.2	-324.5	655.3	0.00	0.00	0.00
3,600.0	14.57	330.36	3,515.6	592.1	-336.9	680.4	0.00	0.00	0.00
3,700.0	14.57	330.36	3,612.3	614.0	-349.3	705.5	0.00	0.00	0.00
3,800.0	14.57	330.36	3,709.1	635.8	-361.8	730.6	0.00	0.00	0.00
3,900.0	14.57	330.36	3,805.9	657.7	-374.2	755.8	0.00	0.00	0.00
4,000.0	14.57	330.36	3,902.7	679.5	-386.7	780.9	0.00	0.00	0.00
Wasatch									
4,036.5	14.57	330.36	3,938.0	687.5	-391.2	790.0	0.00	0.00	0.00
4,100.0	14.57	330.36	3,999.5	701.4	-399.1	806.0	0.00	0.00	0.00
4,200.0	14.57	330.36	4,096.3	723.3	-411.5	831.1	0.00	0.00	0.00
4,300.0	14.57	330.36	4,193.1	745.1	-424.0	856.3	0.00	0.00	0.00
4,400.0	14.57	330.36	4,289.8	767.0	-436.4	881.4	0.00	0.00	0.00
4,500.0	14.57	330.36	4,386.6	788.8	-448.8	906.5	0.00	0.00	0.00
4,600.0	14.57	330.36	4,483.4	810.7	-461.3	931.6	0.00	0.00	0.00

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 24C-12-496 - Slot 24C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB=30' @ 8059.0usft (TBD)
Project:	Rio Blanco County, CO	MD Reference:	RKB=30' @ 8059.0usft (TBD)
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 24C-12-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #5		

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)
4,700.0	14.57	330.36	4,580.2	832.6	-473.7	956.7	0.00	0.00	0.00
4,800.0	14.57	330.36	4,677.0	854.4	-486.2	981.9	0.00	0.00	0.00
4,900.0	14.57	330.36	4,773.8	876.3	-498.6	1,007.0	0.00	0.00	0.00
5,000.0	14.57	330.36	4,870.6	898.1	-511.0	1,032.1	0.00	0.00	0.00
5,100.0	14.57	330.36	4,967.3	920.0	-523.5	1,057.2	0.00	0.00	0.00
5,200.0	14.57	330.36	5,064.1	941.9	-535.9	1,082.3	0.00	0.00	0.00
5,300.0	14.57	330.36	5,160.9	963.7	-548.4	1,107.5	0.00	0.00	0.00
5,400.0	14.57	330.36	5,257.7	985.6	-560.8	1,132.6	0.00	0.00	0.00
5,500.0	14.57	330.36	5,354.5	1,007.4	-573.2	1,157.7	0.00	0.00	0.00
5,600.0	14.57	330.36	5,451.3	1,029.3	-585.7	1,182.8	0.00	0.00	0.00
5,700.0	14.57	330.36	5,548.1	1,051.2	-598.1	1,207.9	0.00	0.00	0.00
5,800.0	14.57	330.36	5,644.8	1,073.0	-610.6	1,233.1	0.00	0.00	0.00
5,900.0	14.57	330.36	5,741.6	1,094.9	-623.0	1,258.2	0.00	0.00	0.00
6,000.0	14.57	330.36	5,838.4	1,116.7	-635.4	1,283.3	0.00	0.00	0.00
6,100.0	14.57	330.36	5,935.2	1,138.6	-647.9	1,308.4	0.00	0.00	0.00
6,200.0	14.57	330.36	6,032.0	1,160.5	-660.3	1,333.5	0.00	0.00	0.00
6,300.0	14.57	330.36	6,128.8	1,182.3	-672.7	1,358.7	0.00	0.00	0.00
6,400.0	14.57	330.36	6,225.6	1,204.2	-685.2	1,383.8	0.00	0.00	0.00
6,500.0	14.57	330.36	6,322.3	1,226.1	-697.6	1,408.9	0.00	0.00	0.00
6,600.0	14.57	330.36	6,419.1	1,247.9	-710.1	1,434.0	0.00	0.00	0.00
Wasatch G									
6,671.2	14.57	330.36	6,488.0	1,263.5	-718.9	1,451.9	0.00	0.00	0.00
6,700.0	14.57	330.36	6,515.9	1,269.8	-722.5	1,459.2	0.00	0.00	0.00
6,800.0	14.57	330.36	6,612.7	1,291.6	-734.9	1,484.3	0.00	0.00	0.00
6,900.0	14.57	330.36	6,709.5	1,313.5	-747.4	1,509.4	0.00	0.00	0.00
7,000.0	14.57	330.36	6,806.3	1,335.4	-759.8	1,534.5	0.00	0.00	0.00
Fort Union									
7,094.8	14.57	330.36	6,898.0	1,356.1	-771.6	1,558.3	0.00	0.00	0.00
7,100.0	14.57	330.36	6,903.0	1,357.2	-772.3	1,559.6	0.00	0.00	0.00
7,200.0	14.57	330.36	6,999.8	1,379.1	-784.7	1,584.8	0.00	0.00	0.00
7,300.0	14.57	330.36	7,096.6	1,400.9	-797.1	1,609.9	0.00	0.00	0.00
7,400.0	14.57	330.36	7,193.4	1,422.8	-809.6	1,635.0	0.00	0.00	0.00
7,500.0	14.57	330.36	7,290.2	1,444.7	-822.0	1,660.1	0.00	0.00	0.00
7,600.0	14.57	330.36	7,387.0	1,466.5	-834.4	1,685.2	0.00	0.00	0.00
7,700.0	14.57	330.36	7,483.8	1,488.4	-846.9	1,710.4	0.00	0.00	0.00
7,800.0	14.57	330.36	7,580.5	1,510.2	-859.3	1,735.5	0.00	0.00	0.00
7,900.0	14.57	330.36	7,677.3	1,532.1	-871.8	1,760.6	0.00	0.00	0.00
8,000.0	14.57	330.36	7,774.1	1,554.0	-884.2	1,785.7	0.00	0.00	0.00
8,100.0	14.57	330.36	7,870.9	1,575.8	-896.6	1,810.8	0.00	0.00	0.00
8,200.0	14.57	330.36	7,967.7	1,597.7	-909.1	1,836.0	0.00	0.00	0.00
8,300.0	14.57	330.36	8,064.5	1,619.5	-921.5	1,861.1	0.00	0.00	0.00
8,400.0	14.57	330.36	8,161.3	1,641.4	-934.0	1,886.2	0.00	0.00	0.00
8,500.0	14.57	330.36	8,258.0	1,663.3	-946.4	1,911.3	0.00	0.00	0.00
8,600.0	14.57	330.36	8,354.8	1,685.1	-958.8	1,936.4	0.00	0.00	0.00
Drop 3° /100'									
8,690.7	14.57	330.36	8,442.6	1,705.0	-970.1	1,959.2	0.00	0.00	0.00
8,700.0	14.29	330.36	8,451.6	1,707.0	-971.3	1,961.5	3.00	-3.00	0.00
8,800.0	11.29	330.36	8,549.1	1,726.2	-982.2	1,983.7	3.00	-3.00	0.00
8,900.0	8.29	330.36	8,647.7	1,741.0	-990.6	2,000.6	3.00	-3.00	0.00
9,000.0	5.29	330.36	8,746.9	1,751.2	-996.5	2,012.4	3.00	-3.00	0.00
9,100.0	2.29	330.36	8,846.7	1,757.0	-999.7	2,019.0	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
9,176.3	0.00	0.00	8,923.0	1,758.3	-1,000.5	2,020.6	3.00	-3.00	0.00
9,200.0	0.36	240.00	8,946.7	1,758.3	-1,000.5	2,020.6	1.50	1.50	0.00

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 24C-12-496 - Slot 24C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB=30' @ 8059.0usft (TBD)
Project:	Rio Blanco County, CO	MD Reference:	RKB=30' @ 8059.0usft (TBD)
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 24C-12-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #5		

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)
EOB @ 1.27° Inc. / 240.00° Azm									
9,261.0	1.27	240.00	9,007.7	1,757.8	-1,001.3	2,020.6	1.50	1.50	0.00
9,300.0	1.27	240.00	9,046.7	1,757.4	-1,002.0	2,020.6	0.00	0.00	0.00
9,400.0	1.27	240.00	9,146.7	1,756.3	-1,004.0	2,020.7	0.00	0.00	0.00
9,500.0	1.27	240.00	9,246.6	1,755.2	-1,005.9	2,020.8	0.00	0.00	0.00
9,600.0	1.27	240.00	9,346.6	1,754.1	-1,007.8	2,020.9	0.00	0.00	0.00
9,700.0	1.27	240.00	9,446.6	1,753.0	-1,009.7	2,021.0	0.00	0.00	0.00
9,800.0	1.27	240.00	9,546.6	1,751.9	-1,011.6	2,021.1	0.00	0.00	0.00
Williams Fork									
9,826.4	1.27	240.00	9,573.0	1,751.6	-1,012.2	2,021.1	0.00	0.00	0.00
9,900.0	1.27	240.00	9,646.5	1,750.8	-1,013.6	2,021.2	0.00	0.00	0.00
10,000.0	1.27	240.00	9,746.5	1,749.7	-1,015.5	2,021.3	0.00	0.00	0.00
10,100.0	1.27	240.00	9,846.5	1,748.5	-1,017.4	2,021.4	0.00	0.00	0.00
10,200.0	1.27	240.00	9,946.5	1,747.4	-1,019.3	2,021.5	0.00	0.00	0.00
10,300.0	1.27	240.00	10,046.4	1,746.3	-1,021.2	2,021.6	0.00	0.00	0.00
10,400.0	1.27	240.00	10,146.4	1,745.2	-1,023.2	2,021.7	0.00	0.00	0.00
10,500.0	1.27	240.00	10,246.4	1,744.1	-1,025.1	2,021.8	0.00	0.00	0.00
10,600.0	1.27	240.00	10,346.4	1,743.0	-1,027.0	2,021.9	0.00	0.00	0.00
10,700.0	1.27	240.00	10,446.3	1,741.9	-1,028.9	2,022.0	0.00	0.00	0.00
10,800.0	1.27	240.00	10,546.3	1,740.8	-1,030.9	2,022.1	0.00	0.00	0.00
10,900.0	1.27	240.00	10,646.3	1,739.7	-1,032.8	2,022.2	0.00	0.00	0.00
11,000.0	1.27	240.00	10,746.3	1,738.6	-1,034.7	2,022.3	0.00	0.00	0.00
11,100.0	1.27	240.00	10,846.2	1,737.5	-1,036.6	2,022.4	0.00	0.00	0.00
11,200.0	1.27	240.00	10,946.2	1,736.3	-1,038.5	2,022.5	0.00	0.00	0.00
11,300.0	1.27	240.00	11,046.2	1,735.2	-1,040.5	2,022.5	0.00	0.00	0.00
11,400.0	1.27	240.00	11,146.2	1,734.1	-1,042.4	2,022.6	0.00	0.00	0.00
11,500.0	1.27	240.00	11,246.1	1,733.0	-1,044.3	2,022.7	0.00	0.00	0.00
11,600.0	1.27	240.00	11,346.1	1,731.9	-1,046.2	2,022.8	0.00	0.00	0.00
11,700.0	1.27	240.00	11,446.1	1,730.8	-1,048.1	2,022.9	0.00	0.00	0.00
11,800.0	1.27	240.00	11,546.1	1,729.7	-1,050.1	2,023.0	0.00	0.00	0.00
11,900.0	1.27	240.00	11,646.0	1,728.6	-1,052.0	2,023.1	0.00	0.00	0.00
12,000.0	1.27	240.00	11,746.0	1,727.5	-1,053.9	2,023.2	0.00	0.00	0.00
12,100.0	1.27	240.00	11,846.0	1,726.4	-1,055.8	2,023.3	0.00	0.00	0.00
12,200.0	1.27	240.00	11,946.0	1,725.3	-1,057.7	2,023.4	0.00	0.00	0.00
12,300.0	1.27	240.00	12,045.9	1,724.1	-1,059.7	2,023.5	0.00	0.00	0.00
12,400.0	1.27	240.00	12,145.9	1,723.0	-1,061.6	2,023.6	0.00	0.00	0.00
12,500.0	1.27	240.00	12,245.9	1,721.9	-1,063.5	2,023.7	0.00	0.00	0.00
12,600.0	1.27	240.00	12,345.9	1,720.8	-1,065.4	2,023.8	0.00	0.00	0.00
12,700.0	1.27	240.00	12,445.8	1,719.7	-1,067.3	2,023.9	0.00	0.00	0.00
Cameo									
12,727.2	1.27	240.00	12,473.0	1,719.4	-1,067.9	2,023.9	0.00	0.00	0.00
12,800.0	1.27	240.00	12,545.8	1,718.6	-1,069.3	2,024.0	0.00	0.00	0.00
12,900.0	1.27	240.00	12,645.8	1,717.5	-1,071.2	2,024.1	0.00	0.00	0.00
13,000.0	1.27	240.00	12,745.8	1,716.4	-1,073.1	2,024.2	0.00	0.00	0.00
13,100.0	1.27	240.00	12,845.7	1,715.3	-1,075.0	2,024.3	0.00	0.00	0.00
13,200.0	1.27	240.00	12,945.7	1,714.2	-1,077.0	2,024.4	0.00	0.00	0.00
Rollins									
13,227.3	1.27	240.00	12,973.0	1,713.9	-1,077.5	2,024.4	0.00	0.00	0.00
13,300.0	1.27	240.00	13,045.7	1,713.1	-1,078.9	2,024.5	0.00	0.00	0.00
13,400.0	1.27	240.00	13,145.7	1,711.9	-1,080.8	2,024.6	0.00	0.00	0.00
13,500.0	1.27	240.00	13,245.6	1,710.8	-1,082.7	2,024.7	0.00	0.00	0.00
13,600.0	1.27	240.00	13,345.6	1,709.7	-1,084.6	2,024.7	0.00	0.00	0.00
13,700.0	1.27	240.00	13,445.6	1,708.6	-1,086.6	2,024.8	0.00	0.00	0.00

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 24C-12-496 - Slot 24C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB=30' @ 8059.0usft (TBD)
Project:	Rio Blanco County, CO	MD Reference:	RKB=30' @ 8059.0usft (TBD)
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 24C-12-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #5		

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)
TD @ 13727.4' MD / 13473.0' TVD									
13,727.4	1.27	240.00	13,473.0	1,708.3	-1,087.1	2,024.9	0.00	0.00	0.00

Design 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
24C-12 - OHCR - plan hits target center - Point	0.00	0.00	8,923.0	1,758.3	-1,000.5	14,434,991.17	2,453,857.35	39.713895	-108.107723
24C-12 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 240.00 azi)	0.00	0.00	13,473.0	1,708.3	-1,087.1	14,434,938.40	2,453,772.40	39.713758	-108.108031

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,036.5	3,938.0	Wasatch				
6,671.2	6,488.0	Wasatch G				
7,094.8	6,898.0	Fort Union				
9,176.3	8,923.0	Ohio Creek				
9,826.4	9,573.0	Williams Fork				
12,727.2	12,473.0	Cameo				
13,227.3	12,973.0	Rollins				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
650.0	650.0	0.0	0.0	Build 3° / 100'
1,135.6	1,130.4	53.4	-30.4	EOB @ 14.57° Inc. / 330.36° Azm
8,690.7	8,442.6	1,705.0	-970.1	Drop 3° / 100'
9,176.3	8,923.0	1,758.3	-1,000.5	EOD @ Vertical / Build 1.5° / 100'
9,261.0	9,007.7	1,757.8	-1,001.3	EOB @ 1.27° Inc. / 240.00° Azm
13,727.4	13,473.0	1,708.3	-1,087.1	TD @ 13727.4' MD / 13473.0' TVD