

Project: Rio Blanco County, CO
Site: ELU A18 495 Pad
Well: ELU A18 FED 25D-13-496
Wellbore: OH
Design: Design #1
Latitude: 39.708986
Longitude: -108.103867
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 - 25D-13(0.0N, 0.0E)
Measured Depth Reference: RKB=30' @ 8059.0usft (TBD)
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3862.0	3894.2	Wasatch
6412.0	6468.7	Wasatch G
6822.0	6882.6	Fort Union
8815.0	8893.1	Ohio Creek
9465.0	9543.2	Williams Fork
12365.0	12443.9	Cameo
12865.0	12944.1	Rollins

SECTION DETAILS

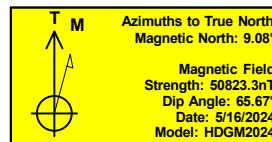
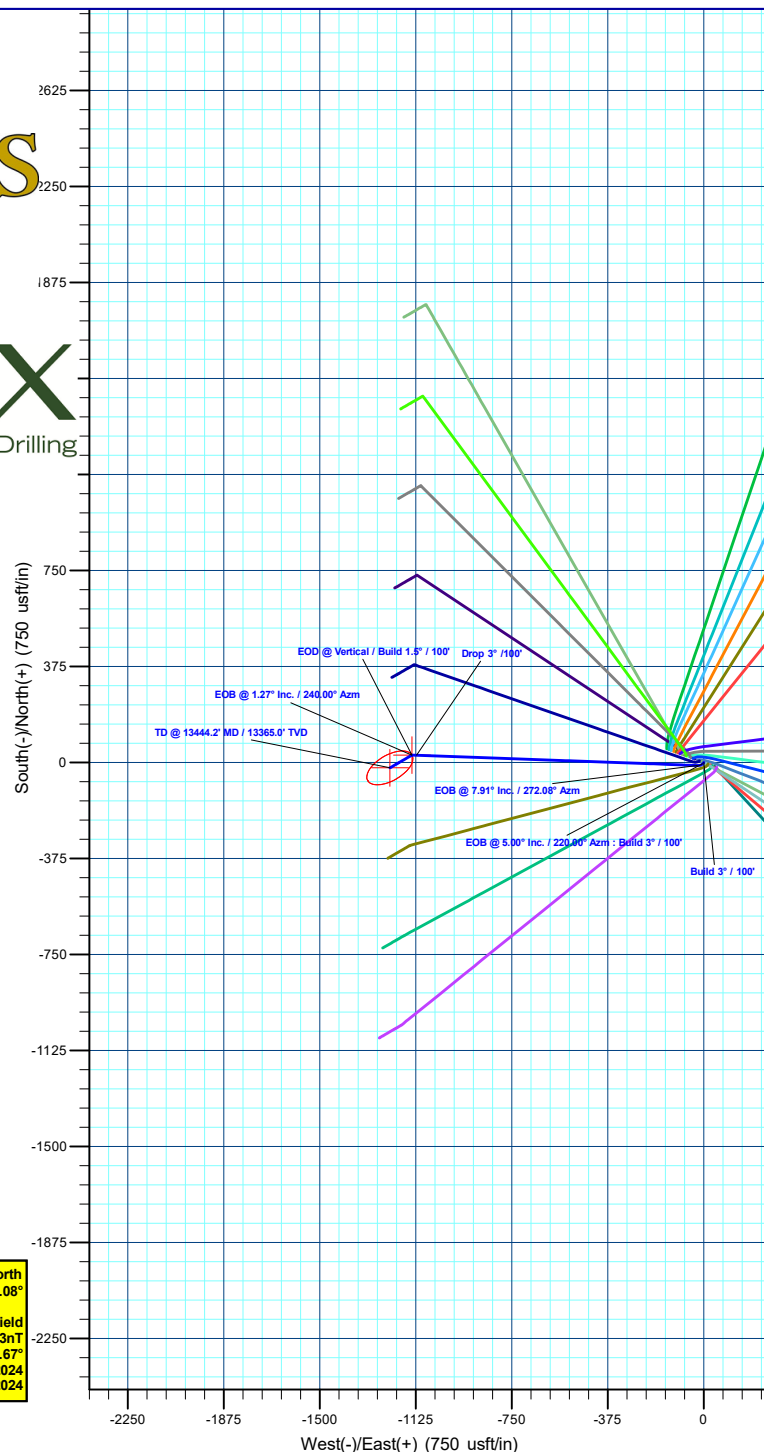
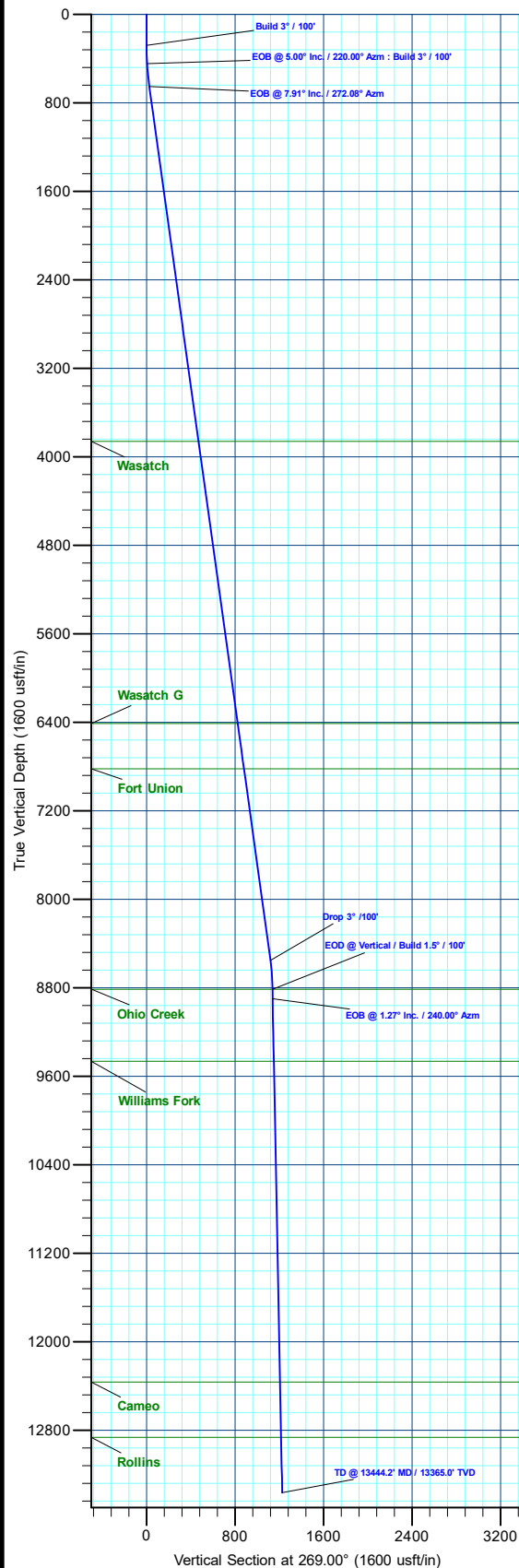
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
280.0	0.00	0.00	280.0	0.0	0.0	0.00	0.00	0.0	EOB @ 5.00° Inc. / 220.00° Azm : Build 3° / 100'
446.7	5.00	220.00	446.5	-5.6	-4.7	3.00	220.00	4.8	EOB @ 7.91° Inc. / 272.08° Azm
654.4	7.91	272.09	653.0	-12.0	-24.8	3.00	91.11	25.0	Drop 3° / 100'
8629.5	7.91	272.09	8552.2	28.0	-1121.3	0.00	0.00	1120.7	EOD @ Vertical / Build 1.5° / 100'
8893.1	0.00	0.00	8815.0	28.7	-1139.5	3.00	180.00	1138.8	EOB @ 1.27° Inc. / 240.00° Azm
8977.8	1.27	240.00	8899.7	28.2	-1140.3	1.50	240.00	1139.6	TD @ 13444.2' MD / 13365.0' TVD
13444.2	1.27	240.00	13365.0	-21.3	-1226.1	0.00	0.00	1226.3	

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
25D-13 - OHCR	8815.0	28.7	-1139.5	14433230.07	2453859.84	39.709065	-108.107916
25D-13 - PBHL	13365.0	-21.3	-1226.1	14433177.30	2453774.90	39.708927	-108.108223

WELL DETAILS: ELU A18 FED 25D-13-496

+N/-S	+E/-W	Ground Level : 8029.0	Northing	Easting	Latitude	Longitude
0.0	0.0		14433238.20	2454999.67	39.708986	-108.103867
						25D-13



Plan: Design #1 (ELU A18 FED 25D-13-496/OH)

Created By: Will Jircik

Date: 22:42, June 09 2024



Caerus Oil & Gas

Rio Blanco County, CO

ELU A18 495 Pad

ELU A18 FED 25D-13-496 - Slot 25D-13

OH

Plan: Design #1

KLX Well Planning Report

09 June, 2024



Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 25D-13-496 - Slot 25D-13
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 25D-13-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #1		

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 25D-13-496 - Slot 25D-13				
Well Position	+N/-S	-52.1 usft	Northing:	14,433,238.20 usft	Latitude:	39.708986
	+E/-W	143.9 usft	Easting:	2,454,999.67 usft	Longitude:	-108.103867
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 #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	269.00

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	
280.0	0.00	0.00	280.0	0.0	0.0	0.00	0.00	0.00	0.00	
446.7	5.00	220.00	446.5	-5.6	-4.7	3.00	3.00	0.00	220.00	
654.4	7.91	272.09	653.0	-12.0	-24.8	3.00	1.40	25.07	91.11	
8,629.5	7.91	272.09	8,552.2	28.0	-1,121.3	0.00	0.00	0.00	0.00	
8,893.1	0.00	0.00	8,815.0	28.7	-1,139.5	3.00	-3.00	0.00	180.00	25D-13 - OHCR
8,977.8	1.27	240.00	8,899.7	28.2	-1,140.3	1.50	1.50	-141.63	240.00	
13,444.2	1.27	240.00	13,365.0	-21.3	-1,226.1	0.00	0.00	0.00	0.00	25D-13 - PBHL

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 25D-13-496 - Slot 25D-13
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 25D-13-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #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
Build 3° / 100'									
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.60	220.00	300.0	-0.1	-0.1	0.1	3.00	3.00	0.00
400.0	3.60	220.00	399.9	-2.9	-2.4	2.5	3.00	3.00	0.00
EOB @ 5.00° Inc. / 220.00° Azm : Build 3° / 100'									
446.7	5.00	220.00	446.5	-5.6	-4.7	4.8	3.00	3.00	0.00
500.0	5.22	237.87	499.6	-8.6	-8.2	8.4	3.00	0.41	33.51
600.0	6.72	263.22	599.1	-11.7	-17.9	18.1	3.00	1.50	25.35
EOB @ 7.91° Inc. / 272.08° Azm									
654.4	7.91	272.09	653.0	-12.0	-24.8	25.0	3.00	2.18	16.29
700.0	7.91	272.09	698.2	-11.8	-31.1	31.3	0.00	0.00	0.00
800.0	7.91	272.09	797.2	-11.3	-44.8	45.0	0.00	0.00	0.00
900.0	7.91	272.09	896.3	-10.8	-58.6	58.7	0.00	0.00	0.00
1,000.0	7.91	272.09	995.3	-10.3	-72.3	72.5	0.00	0.00	0.00
1,100.0	7.91	272.09	1,094.4	-9.8	-86.1	86.2	0.00	0.00	0.00
1,200.0	7.91	272.09	1,193.4	-9.3	-99.8	100.0	0.00	0.00	0.00
1,300.0	7.91	272.09	1,292.5	-8.7	-113.6	113.7	0.00	0.00	0.00
1,400.0	7.91	272.09	1,391.5	-8.2	-127.3	127.4	0.00	0.00	0.00
1,500.0	7.91	272.09	1,490.6	-7.7	-141.1	141.2	0.00	0.00	0.00
1,600.0	7.91	272.09	1,589.6	-7.2	-154.8	154.9	0.00	0.00	0.00
1,700.0	7.91	272.09	1,688.7	-6.7	-168.6	168.6	0.00	0.00	0.00
1,800.0	7.91	272.09	1,787.7	-6.2	-182.3	182.4	0.00	0.00	0.00
1,900.0	7.91	272.09	1,886.8	-5.7	-196.1	196.1	0.00	0.00	0.00
2,000.0	7.91	272.09	1,985.8	-5.2	-209.8	209.9	0.00	0.00	0.00
2,100.0	7.91	272.09	2,084.9	-4.7	-223.6	223.6	0.00	0.00	0.00
2,200.0	7.91	272.09	2,183.9	-4.2	-237.3	237.3	0.00	0.00	0.00
2,300.0	7.91	272.09	2,283.0	-3.7	-251.1	251.1	0.00	0.00	0.00
2,400.0	7.91	272.09	2,382.0	-3.2	-264.8	264.8	0.00	0.00	0.00
2,500.0	7.91	272.09	2,481.1	-2.7	-278.6	278.6	0.00	0.00	0.00
2,600.0	7.91	272.09	2,580.1	-2.2	-292.3	292.3	0.00	0.00	0.00
2,700.0	7.91	272.09	2,679.2	-1.7	-306.1	306.0	0.00	0.00	0.00
2,800.0	7.91	272.09	2,778.2	-1.2	-319.8	319.8	0.00	0.00	0.00
2,900.0	7.91	272.09	2,877.3	-0.7	-333.6	333.5	0.00	0.00	0.00
3,000.0	7.91	272.09	2,976.3	-0.2	-347.3	347.3	0.00	0.00	0.00
3,100.0	7.91	272.09	3,075.4	0.3	-361.1	361.0	0.00	0.00	0.00
3,200.0	7.91	272.09	3,174.4	0.8	-374.8	374.7	0.00	0.00	0.00
3,300.0	7.91	272.09	3,273.4	1.3	-388.6	388.5	0.00	0.00	0.00
3,400.0	7.91	272.09	3,372.5	1.8	-402.3	402.2	0.00	0.00	0.00
3,500.0	7.91	272.09	3,471.5	2.3	-416.1	416.0	0.00	0.00	0.00
3,600.0	7.91	272.09	3,570.6	2.8	-429.8	429.7	0.00	0.00	0.00
3,700.0	7.91	272.09	3,669.6	3.3	-443.6	443.4	0.00	0.00	0.00
3,800.0	7.91	272.09	3,768.7	3.8	-457.3	457.2	0.00	0.00	0.00
Wasatch									
3,894.2	7.91	272.09	3,862.0	4.3	-470.3	470.1	0.00	0.00	0.00
3,900.0	7.91	272.09	3,867.7	4.3	-471.1	470.9	0.00	0.00	0.00
4,000.0	7.91	272.09	3,966.8	4.8	-484.8	484.6	0.00	0.00	0.00
4,100.0	7.91	272.09	4,065.8	5.3	-498.6	498.4	0.00	0.00	0.00
4,200.0	7.91	272.09	4,164.9	5.8	-512.3	512.1	0.00	0.00	0.00
4,300.0	7.91	272.09	4,263.9	6.3	-526.1	525.9	0.00	0.00	0.00
4,400.0	7.91	272.09	4,363.0	6.8	-539.8	539.6	0.00	0.00	0.00
4,500.0	7.91	272.09	4,462.0	7.3	-553.6	553.3	0.00	0.00	0.00

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 25D-13-496 - Slot 25D-13
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 25D-13-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #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	7.91	272.09	4,561.1	7.8	-567.3	567.1	0.00	0.00	0.00
4,700.0	7.91	272.09	4,660.1	8.3	-581.1	580.8	0.00	0.00	0.00
4,800.0	7.91	272.09	4,759.2	8.8	-594.8	594.6	0.00	0.00	0.00
4,900.0	7.91	272.09	4,858.2	9.3	-608.6	608.3	0.00	0.00	0.00
5,000.0	7.91	272.09	4,957.3	9.8	-622.3	622.0	0.00	0.00	0.00
5,100.0	7.91	272.09	5,056.3	10.3	-636.0	635.8	0.00	0.00	0.00
5,200.0	7.91	272.09	5,155.4	10.8	-649.8	649.5	0.00	0.00	0.00
5,300.0	7.91	272.09	5,254.4	11.3	-663.5	663.3	0.00	0.00	0.00
5,400.0	7.91	272.09	5,353.5	11.8	-677.3	677.0	0.00	0.00	0.00
5,500.0	7.91	272.09	5,452.5	12.3	-691.0	690.7	0.00	0.00	0.00
5,600.0	7.91	272.09	5,551.6	12.8	-704.8	704.5	0.00	0.00	0.00
5,700.0	7.91	272.09	5,650.6	13.3	-718.5	718.2	0.00	0.00	0.00
5,800.0	7.91	272.09	5,749.7	13.8	-732.3	731.9	0.00	0.00	0.00
5,900.0	7.91	272.09	5,848.7	14.3	-746.0	745.7	0.00	0.00	0.00
6,000.0	7.91	272.09	5,947.8	14.8	-759.8	759.4	0.00	0.00	0.00
6,100.0	7.91	272.09	6,046.8	15.3	-773.5	773.2	0.00	0.00	0.00
6,200.0	7.91	272.09	6,145.9	15.8	-787.3	786.9	0.00	0.00	0.00
6,300.0	7.91	272.09	6,244.9	16.3	-801.0	800.6	0.00	0.00	0.00
6,400.0	7.91	272.09	6,344.0	16.8	-814.8	814.4	0.00	0.00	0.00
Wasatch G									
6,468.7	7.91	272.09	6,412.0	17.2	-824.2	823.8	0.00	0.00	0.00
6,500.0	7.91	272.09	6,443.0	17.3	-828.5	828.1	0.00	0.00	0.00
6,600.0	7.91	272.09	6,542.1	17.9	-842.3	841.9	0.00	0.00	0.00
6,700.0	7.91	272.09	6,641.1	18.4	-856.0	855.6	0.00	0.00	0.00
6,800.0	7.91	272.09	6,740.2	18.9	-869.8	869.3	0.00	0.00	0.00
Fort Union									
6,882.6	7.91	272.09	6,822.0	19.3	-881.2	880.7	0.00	0.00	0.00
6,900.0	7.91	272.09	6,839.2	19.4	-883.5	883.1	0.00	0.00	0.00
7,000.0	7.91	272.09	6,938.3	19.9	-897.3	896.8	0.00	0.00	0.00
7,100.0	7.91	272.09	7,037.3	20.4	-911.0	910.6	0.00	0.00	0.00
7,200.0	7.91	272.09	7,136.4	20.9	-924.8	924.3	0.00	0.00	0.00
7,300.0	7.91	272.09	7,235.4	21.4	-938.5	938.0	0.00	0.00	0.00
7,400.0	7.91	272.09	7,334.5	21.9	-952.3	951.8	0.00	0.00	0.00
7,500.0	7.91	272.09	7,433.5	22.4	-966.0	965.5	0.00	0.00	0.00
7,600.0	7.91	272.09	7,532.6	22.9	-979.8	979.2	0.00	0.00	0.00
7,700.0	7.91	272.09	7,631.6	23.4	-993.5	993.0	0.00	0.00	0.00
7,800.0	7.91	272.09	7,730.7	23.9	-1,007.3	1,006.7	0.00	0.00	0.00
7,900.0	7.91	272.09	7,829.7	24.4	-1,021.0	1,020.5	0.00	0.00	0.00
8,000.0	7.91	272.09	7,928.7	24.9	-1,034.8	1,034.2	0.00	0.00	0.00
8,100.0	7.91	272.09	8,027.8	25.4	-1,048.5	1,047.9	0.00	0.00	0.00
8,200.0	7.91	272.09	8,126.8	25.9	-1,062.3	1,061.7	0.00	0.00	0.00
8,300.0	7.91	272.09	8,225.9	26.4	-1,076.0	1,075.4	0.00	0.00	0.00
8,400.0	7.91	272.09	8,324.9	26.9	-1,089.8	1,089.2	0.00	0.00	0.00
8,500.0	7.91	272.09	8,424.0	27.4	-1,103.5	1,102.9	0.00	0.00	0.00
8,600.0	7.91	272.09	8,523.0	27.9	-1,117.3	1,116.6	0.00	0.00	0.00
Drop 3° /100'									
8,629.5	7.91	272.09	8,552.2	28.0	-1,121.3	1,120.7	0.00	0.00	0.00
8,700.0	5.79	272.09	8,622.3	28.3	-1,129.8	1,129.1	3.00	-3.00	0.00
8,800.0	2.79	272.09	8,722.0	28.6	-1,137.2	1,136.6	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,893.1	0.00	0.00	8,815.0	28.7	-1,139.5	1,138.8	3.00	-3.00	0.00
8,900.0	0.10	240.00	8,821.9	28.7	-1,139.5	1,138.8	1.50	1.50	0.00
EOB @ 1.27° Inc. / 240.00° Azm									

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 25D-13-496 - Slot 25D-13
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 25D-13-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #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)	
8,977.8	1.27	240.00	8,899.7	28.2	-1,140.3	1,139.6	1.50	1.50	0.00	
9,000.0	1.27	240.00	8,921.9	28.0	-1,140.7	1,140.1	0.00	0.00	0.00	
9,100.0	1.27	240.00	9,021.9	26.9	-1,142.7	1,142.0	0.00	0.00	0.00	
9,200.0	1.27	240.00	9,121.9	25.8	-1,144.6	1,144.0	0.00	0.00	0.00	
9,300.0	1.27	240.00	9,221.8	24.7	-1,146.5	1,145.9	0.00	0.00	0.00	
9,400.0	1.27	240.00	9,321.8	23.5	-1,148.4	1,147.8	0.00	0.00	0.00	
9,500.0	1.27	240.00	9,421.8	22.4	-1,150.3	1,149.8	0.00	0.00	0.00	
Williams Fork										
9,543.2	1.27	240.00	9,465.0	22.0	-1,151.2	1,150.6	0.00	0.00	0.00	
9,600.0	1.27	240.00	9,521.8	21.3	-1,152.3	1,151.7	0.00	0.00	0.00	
9,700.0	1.27	240.00	9,621.7	20.2	-1,154.2	1,153.7	0.00	0.00	0.00	
9,800.0	1.27	240.00	9,721.7	19.1	-1,156.1	1,155.6	0.00	0.00	0.00	
9,900.0	1.27	240.00	9,821.7	18.0	-1,158.0	1,157.5	0.00	0.00	0.00	
10,000.0	1.27	240.00	9,921.7	16.9	-1,159.9	1,159.5	0.00	0.00	0.00	
10,100.0	1.27	240.00	10,021.6	15.8	-1,161.9	1,161.4	0.00	0.00	0.00	
10,200.0	1.27	240.00	10,121.6	14.7	-1,163.8	1,163.4	0.00	0.00	0.00	
10,300.0	1.27	240.00	10,221.6	13.6	-1,165.7	1,165.3	0.00	0.00	0.00	
10,400.0	1.27	240.00	10,321.6	12.5	-1,167.6	1,167.2	0.00	0.00	0.00	
10,500.0	1.27	240.00	10,421.5	11.3	-1,169.5	1,169.2	0.00	0.00	0.00	
10,600.0	1.27	240.00	10,521.5	10.2	-1,171.5	1,171.1	0.00	0.00	0.00	
10,700.0	1.27	240.00	10,621.5	9.1	-1,173.4	1,173.1	0.00	0.00	0.00	
10,800.0	1.27	240.00	10,721.5	8.0	-1,175.3	1,175.0	0.00	0.00	0.00	
10,900.0	1.27	240.00	10,821.4	6.9	-1,177.2	1,176.9	0.00	0.00	0.00	
11,000.0	1.27	240.00	10,921.4	5.8	-1,179.2	1,178.9	0.00	0.00	0.00	
11,100.0	1.27	240.00	11,021.4	4.7	-1,181.1	1,180.8	0.00	0.00	0.00	
11,200.0	1.27	240.00	11,121.4	3.6	-1,183.0	1,182.8	0.00	0.00	0.00	
11,300.0	1.27	240.00	11,221.3	2.5	-1,184.9	1,184.7	0.00	0.00	0.00	
11,400.0	1.27	240.00	11,321.3	1.4	-1,186.8	1,186.6	0.00	0.00	0.00	
11,500.0	1.27	240.00	11,421.3	0.3	-1,188.8	1,188.6	0.00	0.00	0.00	
11,600.0	1.27	240.00	11,521.3	-0.8	-1,190.7	1,190.5	0.00	0.00	0.00	
11,700.0	1.27	240.00	11,621.2	-2.0	-1,192.6	1,192.5	0.00	0.00	0.00	
11,800.0	1.27	240.00	11,721.2	-3.1	-1,194.5	1,194.4	0.00	0.00	0.00	
11,900.0	1.27	240.00	11,821.2	-4.2	-1,196.4	1,196.3	0.00	0.00	0.00	
12,000.0	1.27	240.00	11,921.2	-5.3	-1,198.4	1,198.3	0.00	0.00	0.00	
12,100.0	1.27	240.00	12,021.2	-6.4	-1,200.3	1,200.2	0.00	0.00	0.00	
12,200.0	1.27	240.00	12,121.1	-7.5	-1,202.2	1,202.1	0.00	0.00	0.00	
12,300.0	1.27	240.00	12,221.1	-8.6	-1,204.1	1,204.1	0.00	0.00	0.00	
12,400.0	1.27	240.00	12,321.1	-9.7	-1,206.0	1,206.0	0.00	0.00	0.00	
Cameo										
12,443.9	1.27	240.00	12,365.0	-10.2	-1,206.9	1,206.9	0.00	0.00	0.00	
12,500.0	1.27	240.00	12,421.1	-10.8	-1,208.0	1,208.0	0.00	0.00	0.00	
12,600.0	1.27	240.00	12,521.0	-11.9	-1,209.9	1,209.9	0.00	0.00	0.00	
12,700.0	1.27	240.00	12,621.0	-13.0	-1,211.8	1,211.8	0.00	0.00	0.00	
12,800.0	1.27	240.00	12,721.0	-14.2	-1,213.7	1,213.8	0.00	0.00	0.00	
12,900.0	1.27	240.00	12,821.0	-15.3	-1,215.6	1,215.7	0.00	0.00	0.00	
Rollins										
12,944.1	1.27	240.00	12,865.0	-15.8	-1,216.5	1,216.6	0.00	0.00	0.00	
13,000.0	1.27	240.00	12,920.9	-16.4	-1,217.6	1,217.7	0.00	0.00	0.00	
13,100.0	1.27	240.00	13,020.9	-17.5	-1,219.5	1,219.6	0.00	0.00	0.00	
13,200.0	1.27	240.00	13,120.9	-18.6	-1,221.4	1,221.5	0.00	0.00	0.00	
13,300.0	1.27	240.00	13,220.9	-19.7	-1,223.3	1,223.5	0.00	0.00	0.00	
13,400.0	1.27	240.00	13,320.8	-20.8	-1,225.2	1,225.4	0.00	0.00	0.00	
TD @ 13444.2' MD / 13365.0' TVD										

Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well ELU A18 FED 25D-13-496 - Slot 25D-13
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 25D-13-496	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #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)
13,444.2	1.27	240.00	13,365.0	-21.3	-1,226.1	1,226.3	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
25D-13 - OHCR - plan hits target center - Point	0.00	0.00	8,815.0	28.7	-1,139.5	14,433,230.07	2,453,859.85	39.709065	-108.107916
25D-13 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 240.00 azi)	0.00	0.00	13,365.0	-21.3	-1,226.1	14,433,177.30	2,453,774.90	39.708928	-108.108224

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
3,894.2	3,862.0	Wasatch				
6,468.7	6,412.0	Wasatch G				
6,882.6	6,822.0	Fort Union				
8,893.1	8,815.0	Ohio Creek				
9,543.2	9,465.0	Williams Fork				
12,443.9	12,365.0	Cameo				
12,944.1	12,865.0	Rollins				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
280.0	280.0	0.0	0.0	Build 3° / 100'
446.7	446.5	-5.6	-4.7	EOB @ 5.00° Inc. / 220.00° Azm : Build 3° / 100'
654.4	653.0	-12.0	-24.8	EOB @ 7.91° Inc. / 272.08° Azm
8,629.5	8,552.2	28.0	-1,121.3	Drop 3° /100'
8,893.1	8,815.0	28.7	-1,139.5	EOD @ Vertical / Build 1.5° / 100'
8,977.8	8,899.7	28.2	-1,140.3	EOB @ 1.27° Inc. / 240.00° Azm
13,444.2	13,365.0	-21.3	-1,226.1	TD @ 13444.2' MD / 13365.0' TVD