

Project: Rio Blanco County, CO
 Site: ELU A18 495 Pad
 Well: ELU A18 FED 25C-12 496
 Wellbore: Wellbore #1
 Design: Design #4
 Latitude: 39.708986
 Longitude: -108.103867
 Ground Level: 8029.0
 RKB @ 8059.0usft (30')

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 @ 8059.0usft (30')
 Section (VS) Reference: Slot - 25C-12(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8059.0usft (30')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3470.0	3512.3	Wasatch
6523.0	6612.4	Wasatch G
6823.0	6917.0	Fort Union
8693.0	8812.4	Ohio Creek
9279.0	9398.5	Williams Fork
12302.0	12422.2	Cameo
13044.0	13164.4	Rollins

SECTION DETAILS

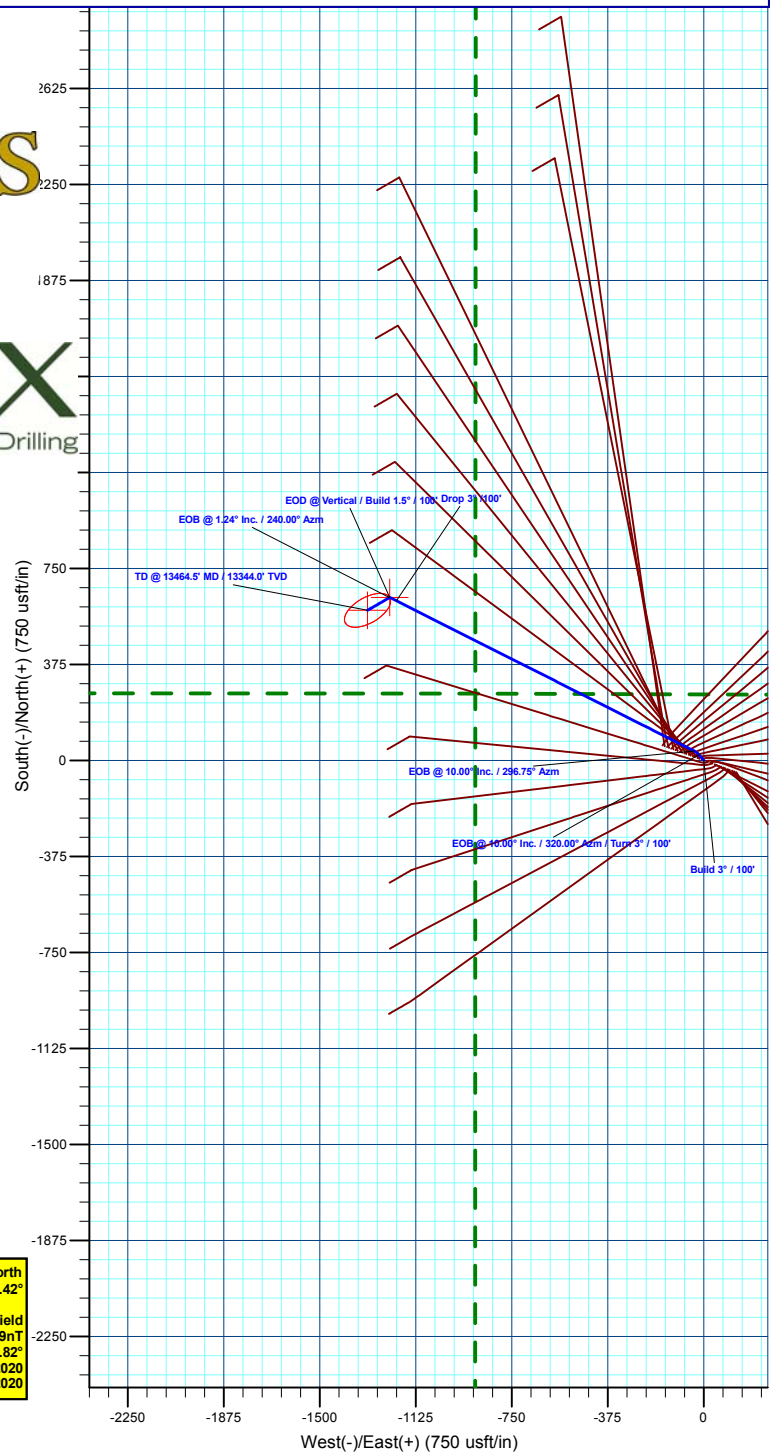
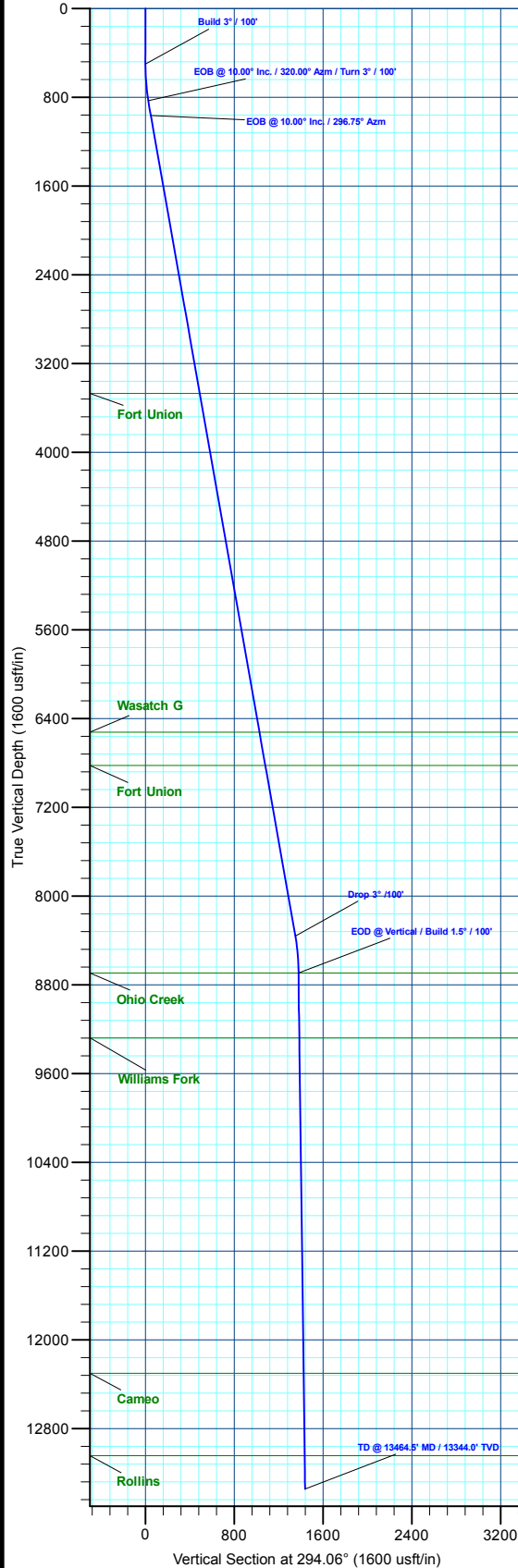
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
833.3	10.00	320.00	831.6	22.2	-18.7	3.00	320.00	26.1	EOB @ 10.00° Inc. / 320.00° Azm / Turn 3° / 100'
967.0	10.00	296.75	963.3	36.3	-36.5	3.00	-101.51	48.1	EOB @ 10.00° Inc. / 296.75° Azm
8479.2	10.00	296.75	8361.5	623.3	-1200.9	0.00	0.00	1350.6	Drop 3° / 100'
8812.4	0.00	0.00	8693.0	636.3	-1226.7	3.00	180.00	1379.6	EOD @ Vertical / Build 1.5° / 100'
8895.2	1.24	240.00	8775.8	635.9	-1227.5	1.50	240.00	1380.1	EOB @ 1.24° Inc. / 240.00° Azm
13464.5	1.24	240.00	13344.0	586.3	-1313.3	0.00	0.00	1438.3	TD @ 13464.5' MD / 13344.0' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
25C-12 - OHCR	8693.0	636.3	-1226.7	14433834.57	2453753.04	39.710732	-108.108226
25C-12 - PBHL	13344.0	586.3	-1313.3	14433781.80	2453668.10	39.710595	-108.108533

WELL DETAILS: ELU A18 FED 25C-12 496

+N/-S	+E/-W	Ground Level : 8029.0	Northing	Easting	Latitude	Longitude
0.0	0.0		14432238.20	2454999.70	39.708986	-108.103867 25C-12



T M Azimuths to True North
 Magnetic North: 9.42°
 Magnetic Field Strength: 51156.9nT
 Dip Angle: 65.82°
 Date: 8/17/2020
 Model: HDGM2020

Plan: Design #4 (ELU A18 FED 25C-12 496/Wellbore #1)

Created By: Will Jircik Date: 3:19, October 05 2023



Caerus Oil & Gas

Rio Blanco County, CO

ELU A18 495 Pad

ELU A18 FED 25C-12 496 - Slot 25C-12

Wellbore #1

Plan: Design #4

KLX Well Planning Report

05 October, 2023



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 25C-12 496 - Slot 25C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8059.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8059.0usft (30')
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 25C-12 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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	ELU A18 495 Pad				
Site Position:		Northing:	14,433,279.80 usft	Latitude:	39.709109
From:	Map	Easting:	2,454,904.40 usft	Longitude:	-108.104201
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.85 °

Well	ELU A18 FED 25C-12 496 - Slot 25C-12					
Well Position	+N/-S	-44.7 usft	Northing:	14,433,238.20 usft	Latitude:	39.708986
	+E/-W	93.9 usft	Easting:	2,454,999.70 usft	Longitude:	-108.103867
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	8,029.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	8/17/2020	9.42	65.82	51,156.90000000

Design	Design #4			
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	294.06

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	
833.3	10.00	320.00	831.6	22.2	-18.7	3.00	3.00	0.00	320.00	
967.0	10.00	296.75	963.3	36.3	-36.5	3.00	0.00	-17.40	-101.51	
8,479.2	10.00	296.75	8,361.5	623.3	-1,200.9	0.00	0.00	0.00	0.00	
8,812.4	0.00	0.00	8,693.0	636.3	-1,226.7	3.00	-3.00	0.00	180.00	25C-12 - OHCR
8,895.2	1.24	240.00	8,775.8	635.9	-1,227.5	1.50	1.50	-144.84	240.00	
13,464.5	1.24	240.00	13,344.0	586.3	-1,313.3	0.00	0.00	0.00	0.00	25C-12 - PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 25C-12 496 - Slot 25C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8059.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8059.0usft (30')
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 25C-12 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/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
Build 3° / 100'									
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3.00	320.00	600.0	2.0	-1.7	2.4	3.00	3.00	0.00
700.0	6.00	320.00	699.6	8.0	-6.7	9.4	3.00	3.00	0.00
800.0	9.00	320.00	798.8	18.0	-15.1	21.1	3.00	3.00	0.00
EOB @ 10.00° Inc. / 320.00° Azm / Turn 3° / 100'									
833.3	10.00	320.00	831.6	22.2	-18.7	26.1	3.00	3.00	0.00
900.0	9.80	308.41	897.3	30.2	-26.8	36.8	3.00	-0.30	-17.39
EOB @ 10.00° Inc. / 296.75° Azm									
967.0	10.00	296.75	963.3	36.3	-36.5	48.1	3.00	0.30	-17.40
1,000.0	10.00	296.75	995.8	38.9	-41.6	53.8	0.00	0.00	0.00
1,100.0	10.00	296.75	1,094.3	46.7	-57.1	71.2	0.00	0.00	0.00
1,200.0	10.00	296.75	1,192.8	54.5	-72.6	88.5	0.00	0.00	0.00
1,300.0	10.00	296.75	1,291.3	62.4	-88.1	105.9	0.00	0.00	0.00
1,400.0	10.00	296.75	1,389.8	70.2	-103.6	123.2	0.00	0.00	0.00
1,500.0	10.00	296.75	1,488.2	78.0	-119.1	140.5	0.00	0.00	0.00
1,600.0	10.00	296.75	1,586.7	85.8	-134.6	157.9	0.00	0.00	0.00
1,700.0	10.00	296.75	1,685.2	93.6	-150.1	175.2	0.00	0.00	0.00
1,800.0	10.00	296.75	1,783.7	101.4	-165.6	192.6	0.00	0.00	0.00
1,900.0	10.00	296.75	1,882.2	109.2	-181.1	209.9	0.00	0.00	0.00
2,000.0	10.00	296.75	1,980.7	117.1	-196.6	227.2	0.00	0.00	0.00
2,100.0	10.00	296.75	2,079.1	124.9	-212.1	244.6	0.00	0.00	0.00
2,200.0	10.00	296.75	2,177.6	132.7	-227.6	261.9	0.00	0.00	0.00
2,300.0	10.00	296.75	2,276.1	140.5	-243.1	279.2	0.00	0.00	0.00
2,400.0	10.00	296.75	2,374.6	148.3	-258.6	296.6	0.00	0.00	0.00
2,500.0	10.00	296.75	2,473.1	156.1	-274.1	313.9	0.00	0.00	0.00
2,600.0	10.00	296.75	2,571.5	163.9	-289.6	331.3	0.00	0.00	0.00
2,700.0	10.00	296.75	2,670.0	171.7	-305.1	348.6	0.00	0.00	0.00
2,800.0	10.00	296.75	2,768.5	179.6	-320.6	365.9	0.00	0.00	0.00
2,900.0	10.00	296.75	2,867.0	187.4	-336.1	383.3	0.00	0.00	0.00
3,000.0	10.00	296.75	2,965.5	195.2	-351.6	400.6	0.00	0.00	0.00
3,100.0	10.00	296.75	3,064.0	203.0	-367.1	418.0	0.00	0.00	0.00
3,200.0	10.00	296.75	3,162.4	210.8	-382.6	435.3	0.00	0.00	0.00
3,300.0	10.00	296.75	3,260.9	218.6	-398.1	452.6	0.00	0.00	0.00
3,400.0	10.00	296.75	3,359.4	226.4	-413.6	470.0	0.00	0.00	0.00
3,500.0	10.00	296.75	3,457.9	234.3	-429.1	487.3	0.00	0.00	0.00
Wasatch									
3,512.3	10.00	296.75	3,470.0	235.2	-431.0	489.4	0.00	0.00	0.00
3,600.0	10.00	296.75	3,556.4	242.1	-444.6	504.6	0.00	0.00	0.00
3,700.0	10.00	296.75	3,654.8	249.9	-460.1	522.0	0.00	0.00	0.00
3,800.0	10.00	296.75	3,753.3	257.7	-475.6	539.3	0.00	0.00	0.00
3,900.0	10.00	296.75	3,851.8	265.5	-491.1	556.7	0.00	0.00	0.00
4,000.0	10.00	296.75	3,950.3	273.3	-506.6	574.0	0.00	0.00	0.00
4,100.0	10.00	296.75	4,048.8	281.1	-522.1	591.3	0.00	0.00	0.00
4,200.0	10.00	296.75	4,147.3	288.9	-537.6	608.7	0.00	0.00	0.00
4,300.0	10.00	296.75	4,245.7	296.8	-553.1	626.0	0.00	0.00	0.00
4,400.0	10.00	296.75	4,344.2	304.6	-568.6	643.4	0.00	0.00	0.00
4,500.0	10.00	296.75	4,442.7	312.4	-584.1	660.7	0.00	0.00	0.00
4,600.0	10.00	296.75	4,541.2	320.2	-599.6	678.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 25C-12 496 - Slot 25C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8059.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8059.0usft (30')
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 25C-12 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/100usft)	Turn Rate (°/100usft)
4,700.0	10.00	296.75	4,639.7	328.0	-615.1	695.4	0.00	0.00	0.00
4,800.0	10.00	296.75	4,738.2	335.8	-630.6	712.7	0.00	0.00	0.00
4,900.0	10.00	296.75	4,836.6	343.6	-646.1	730.0	0.00	0.00	0.00
5,000.0	10.00	296.75	4,935.1	351.4	-661.6	747.4	0.00	0.00	0.00
5,100.0	10.00	296.75	5,033.6	359.3	-677.1	764.7	0.00	0.00	0.00
5,200.0	10.00	296.75	5,132.1	367.1	-692.6	782.1	0.00	0.00	0.00
5,300.0	10.00	296.75	5,230.6	374.9	-708.1	799.4	0.00	0.00	0.00
5,400.0	10.00	296.75	5,329.0	382.7	-723.6	816.7	0.00	0.00	0.00
5,500.0	10.00	296.75	5,427.5	390.5	-739.1	834.1	0.00	0.00	0.00
5,600.0	10.00	296.75	5,526.0	398.3	-754.6	851.4	0.00	0.00	0.00
5,700.0	10.00	296.75	5,624.5	406.1	-770.1	868.8	0.00	0.00	0.00
5,800.0	10.00	296.75	5,723.0	414.0	-785.6	886.1	0.00	0.00	0.00
5,900.0	10.00	296.75	5,821.5	421.8	-801.1	903.4	0.00	0.00	0.00
6,000.0	10.00	296.75	5,919.9	429.6	-816.6	920.8	0.00	0.00	0.00
6,100.0	10.00	296.75	6,018.4	437.4	-832.1	938.1	0.00	0.00	0.00
6,200.0	10.00	296.75	6,116.9	445.2	-847.6	955.4	0.00	0.00	0.00
6,300.0	10.00	296.75	6,215.4	453.0	-863.1	972.8	0.00	0.00	0.00
6,400.0	10.00	296.75	6,313.9	460.8	-878.6	990.1	0.00	0.00	0.00
6,500.0	10.00	296.75	6,412.3	468.6	-894.1	1,007.5	0.00	0.00	0.00
6,600.0	10.00	296.75	6,510.8	476.5	-909.6	1,024.8	0.00	0.00	0.00
Wasatch G									
6,612.4	10.00	296.75	6,523.0	477.4	-911.5	1,026.9	0.00	0.00	0.00
6,700.0	10.00	296.75	6,609.3	484.3	-925.1	1,042.1	0.00	0.00	0.00
6,800.0	10.00	296.75	6,707.8	492.1	-940.6	1,059.5	0.00	0.00	0.00
6,900.0	10.00	296.75	6,806.3	499.9	-956.1	1,076.8	0.00	0.00	0.00
Fort Union									
6,917.0	10.00	296.75	6,823.0	501.2	-958.7	1,079.8	0.00	0.00	0.00
7,000.0	10.00	296.75	6,904.8	507.7	-971.6	1,094.2	0.00	0.00	0.00
7,100.0	10.00	296.75	7,003.2	515.5	-987.1	1,111.5	0.00	0.00	0.00
7,200.0	10.00	296.75	7,101.7	523.3	-1,002.6	1,128.8	0.00	0.00	0.00
7,300.0	10.00	296.75	7,200.2	531.2	-1,018.1	1,146.2	0.00	0.00	0.00
7,400.0	10.00	296.75	7,298.7	539.0	-1,033.6	1,163.5	0.00	0.00	0.00
7,500.0	10.00	296.75	7,397.2	546.8	-1,049.1	1,180.8	0.00	0.00	0.00
7,600.0	10.00	296.75	7,495.6	554.6	-1,064.6	1,198.2	0.00	0.00	0.00
7,700.0	10.00	296.75	7,594.1	562.4	-1,080.1	1,215.5	0.00	0.00	0.00
7,800.0	10.00	296.75	7,692.6	570.2	-1,095.6	1,232.9	0.00	0.00	0.00
7,900.0	10.00	296.75	7,791.1	578.0	-1,111.1	1,250.2	0.00	0.00	0.00
8,000.0	10.00	296.75	7,889.6	585.8	-1,126.6	1,267.5	0.00	0.00	0.00
8,100.0	10.00	296.75	7,988.1	593.7	-1,142.1	1,284.9	0.00	0.00	0.00
8,200.0	10.00	296.75	8,086.5	601.5	-1,157.6	1,302.2	0.00	0.00	0.00
8,300.0	10.00	296.75	8,185.0	609.3	-1,173.1	1,319.6	0.00	0.00	0.00
8,400.0	10.00	296.75	8,283.5	617.1	-1,188.6	1,336.9	0.00	0.00	0.00
Drop 3° /100'									
8,479.2	10.00	296.75	8,361.5	623.3	-1,200.9	1,350.6	0.00	0.00	0.00
8,500.0	9.37	296.75	8,382.0	624.9	-1,204.0	1,354.1	3.00	-3.00	0.00
8,600.0	6.37	296.75	8,481.1	631.0	-1,216.2	1,367.8	3.00	-3.00	0.00
8,700.0	3.37	296.75	8,580.7	634.8	-1,223.8	1,376.3	3.00	-3.00	0.00
8,800.0	0.37	296.75	8,680.6	636.3	-1,226.7	1,379.5	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,812.4	0.00	0.00	8,693.0	636.3	-1,226.7	1,379.6	3.00	-3.00	0.00
EOB @ 1.24° Inc. / 240.00° Azm									
8,895.2	1.24	240.00	8,775.8	635.9	-1,227.5	1,380.1	1.50	1.50	0.00
8,900.0	1.24	240.00	8,780.6	635.8	-1,227.6	1,380.2	0.00	0.00	0.00

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Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8059.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8059.0usft (30')
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 25C-12 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/100usft)	Turn Rate (°/100usft)	
9,000.0	1.24	240.00	8,880.6	634.7	-1,229.5	1,381.4	0.00	0.00	0.00	
9,100.0	1.24	240.00	8,980.6	633.7	-1,231.4	1,382.7	0.00	0.00	0.00	
9,200.0	1.24	240.00	9,080.5	632.6	-1,233.2	1,384.0	0.00	0.00	0.00	
9,300.0	1.24	240.00	9,180.5	631.5	-1,235.1	1,385.3	0.00	0.00	0.00	
Williams Fork										
9,398.5	1.24	240.00	9,279.0	630.4	-1,237.0	1,386.5	0.00	0.00	0.00	
9,400.0	1.24	240.00	9,280.5	630.4	-1,237.0	1,386.5	0.00	0.00	0.00	
9,500.0	1.24	240.00	9,380.5	629.3	-1,238.9	1,387.8	0.00	0.00	0.00	
9,600.0	1.24	240.00	9,480.4	628.2	-1,240.8	1,389.1	0.00	0.00	0.00	
9,700.0	1.24	240.00	9,580.4	627.2	-1,242.6	1,390.4	0.00	0.00	0.00	
9,800.0	1.24	240.00	9,680.4	626.1	-1,244.5	1,391.6	0.00	0.00	0.00	
9,900.0	1.24	240.00	9,780.4	625.0	-1,246.4	1,392.9	0.00	0.00	0.00	
10,000.0	1.24	240.00	9,880.3	623.9	-1,248.3	1,394.2	0.00	0.00	0.00	
10,100.0	1.24	240.00	9,980.3	622.8	-1,250.1	1,395.5	0.00	0.00	0.00	
10,200.0	1.24	240.00	10,080.3	621.7	-1,252.0	1,396.7	0.00	0.00	0.00	
10,300.0	1.24	240.00	10,180.3	620.7	-1,253.9	1,398.0	0.00	0.00	0.00	
10,400.0	1.24	240.00	10,280.3	619.6	-1,255.8	1,399.3	0.00	0.00	0.00	
10,500.0	1.24	240.00	10,380.2	618.5	-1,257.7	1,400.5	0.00	0.00	0.00	
10,600.0	1.24	240.00	10,480.2	617.4	-1,259.5	1,401.8	0.00	0.00	0.00	
10,700.0	1.24	240.00	10,580.2	616.3	-1,261.4	1,403.1	0.00	0.00	0.00	
10,800.0	1.24	240.00	10,680.2	615.2	-1,263.3	1,404.4	0.00	0.00	0.00	
10,900.0	1.24	240.00	10,780.1	614.1	-1,265.2	1,405.6	0.00	0.00	0.00	
11,000.0	1.24	240.00	10,880.1	613.1	-1,267.1	1,406.9	0.00	0.00	0.00	
11,100.0	1.24	240.00	10,980.1	612.0	-1,268.9	1,408.2	0.00	0.00	0.00	
11,200.0	1.24	240.00	11,080.1	610.9	-1,270.8	1,409.5	0.00	0.00	0.00	
11,300.0	1.24	240.00	11,180.0	609.8	-1,272.7	1,410.7	0.00	0.00	0.00	
11,400.0	1.24	240.00	11,280.0	608.7	-1,274.6	1,412.0	0.00	0.00	0.00	
11,500.0	1.24	240.00	11,380.0	607.6	-1,276.4	1,413.3	0.00	0.00	0.00	
11,600.0	1.24	240.00	11,480.0	606.6	-1,278.3	1,414.5	0.00	0.00	0.00	
11,700.0	1.24	240.00	11,579.9	605.5	-1,280.2	1,415.8	0.00	0.00	0.00	
11,800.0	1.24	240.00	11,679.9	604.4	-1,282.1	1,417.1	0.00	0.00	0.00	
11,900.0	1.24	240.00	11,779.9	603.3	-1,284.0	1,418.4	0.00	0.00	0.00	
12,000.0	1.24	240.00	11,879.9	602.2	-1,285.8	1,419.6	0.00	0.00	0.00	
12,100.0	1.24	240.00	11,979.9	601.1	-1,287.7	1,420.9	0.00	0.00	0.00	
12,200.0	1.24	240.00	12,079.8	600.0	-1,289.6	1,422.2	0.00	0.00	0.00	
12,300.0	1.24	240.00	12,179.8	599.0	-1,291.5	1,423.5	0.00	0.00	0.00	
12,400.0	1.24	240.00	12,279.8	597.9	-1,293.3	1,424.7	0.00	0.00	0.00	
Cameo										
12,422.2	1.24	240.00	12,302.0	597.6	-1,293.8	1,425.0	0.00	0.00	0.00	
12,500.0	1.24	240.00	12,379.8	596.8	-1,295.2	1,426.0	0.00	0.00	0.00	
12,600.0	1.24	240.00	12,479.7	595.7	-1,297.1	1,427.3	0.00	0.00	0.00	
12,700.0	1.24	240.00	12,579.7	594.6	-1,299.0	1,428.6	0.00	0.00	0.00	
12,800.0	1.24	240.00	12,679.7	593.5	-1,300.9	1,429.8	0.00	0.00	0.00	
12,900.0	1.24	240.00	12,779.7	592.5	-1,302.7	1,431.1	0.00	0.00	0.00	
13,000.0	1.24	240.00	12,879.6	591.4	-1,304.6	1,432.4	0.00	0.00	0.00	
13,100.0	1.24	240.00	12,979.6	590.3	-1,306.5	1,433.6	0.00	0.00	0.00	
Rollins										
13,164.4	1.24	240.00	13,044.0	589.6	-1,307.7	1,434.5	0.00	0.00	0.00	
13,200.0	1.24	240.00	13,079.6	589.2	-1,308.4	1,434.9	0.00	0.00	0.00	
13,300.0	1.24	240.00	13,179.6	588.1	-1,310.3	1,436.2	0.00	0.00	0.00	
13,400.0	1.24	240.00	13,279.5	587.0	-1,312.1	1,437.5	0.00	0.00	0.00	
TD @ 13464.5' MD / 13344.0' TVD										
13,464.5	1.24	240.00	13,344.0	586.3	-1,313.3	1,438.3	0.00	0.00	0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 25C-12 496 - Slot 25C-12
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8059.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8059.0usft (30')
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 25C-12 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #4		

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
25C-12 - OHCR - plan hits target center - Point	0.00	0.00	8,693.0	636.3	-1,226.7	14,433,834.57	2,453,753.05	39.710732	-108.108226
25C-12 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 240.00 azi)	0.00	0.00	13,344.0	586.3	-1,313.3	14,433,781.80	2,453,668.10	39.710595	-108.108533

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,512.3	3,470.0	Wasatch			
6,612.4	6,523.0	Wasatch G			
6,917.0	6,823.0	Fort Union			
8,812.4	8,693.0	Ohio Creek			
9,398.5	9,279.0	Williams Fork			
12,422.2	12,302.0	Cameo			
13,164.4	13,044.0	Rollins			

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	Build 3° / 100'
833.3	831.6	22.2	-18.7	EOB @ 10.00° Inc. / 320.00° Azm / Turn 3° / 100'
967.0	963.3	36.3	-36.5	EOB @ 10.00° Inc. / 296.75° Azm
8,479.2	8,361.5	623.3	-1,200.9	Drop 3° / 100'
8,812.4	8,693.0	636.3	-1,226.7	EOD @ Vertical / Build 1.5° / 100'
8,895.2	8,775.8	635.9	-1,227.5	EOB @ 1.24° Inc. / 240.00° Azm
13,464.5	13,344.0	586.3	-1,313.3	TD @ 13464.5' MD / 13344.0' TVD