

Project: Rio Blanco County, CO
Site: ELU A18 495 Pad
Well: ELU A18 FED 14C-7 495
Wellbore: Wellbore #1
Design: Design #2
Latitude: 39.709104
Longitude: -108.104288
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 - 14C-7(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8059.0usft (30')
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2800.0	2859.0	Wasatch
6603.0	6758.0	Wasatch G
6903.0	7065.6	Fort Union
8782.0	8984.9	Ohio Creek / TOG
9379.0	9582.0	Williams Fork
12512.0	12715.7	Cameo
13062.0	13265.9	Rollins

SECTION DETAILS

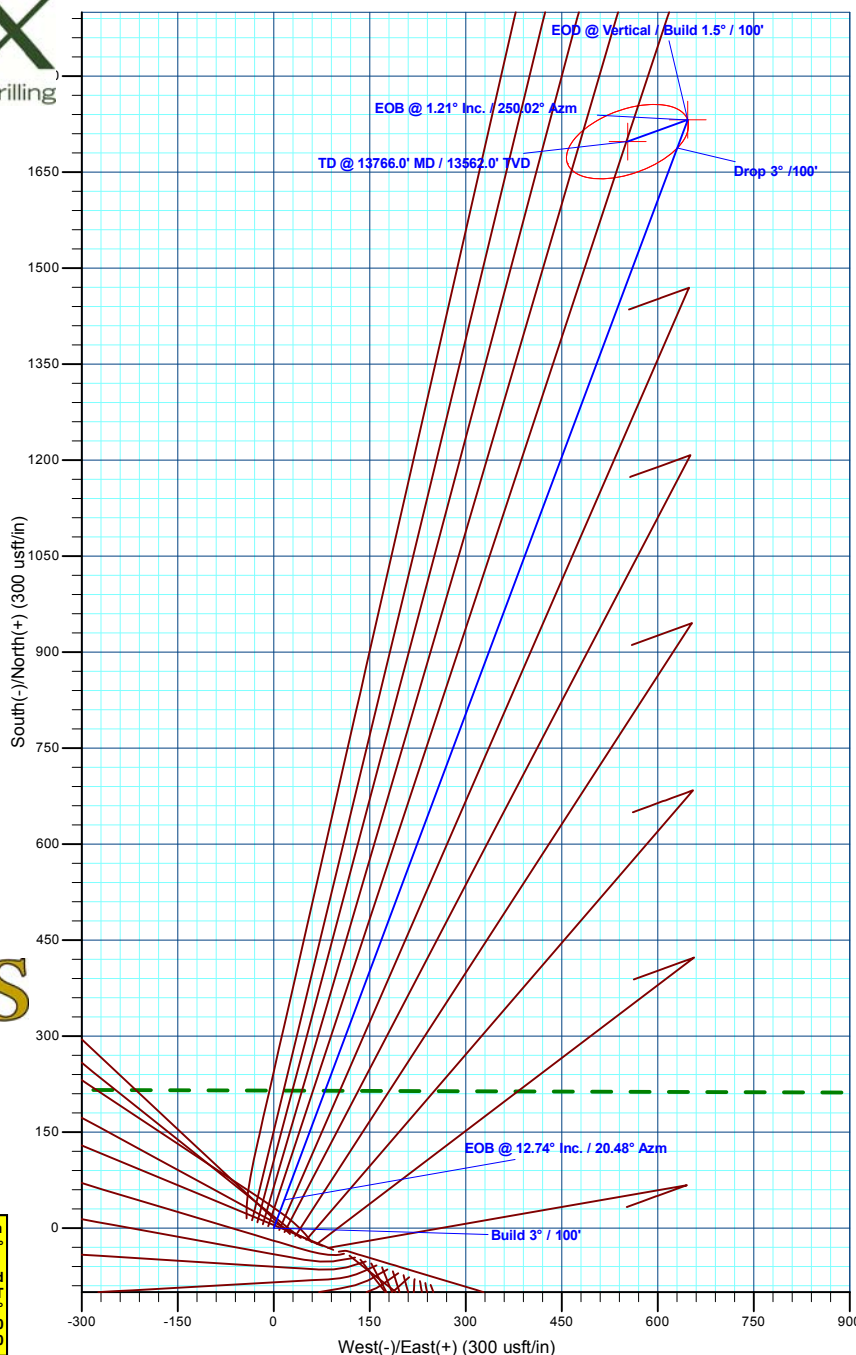
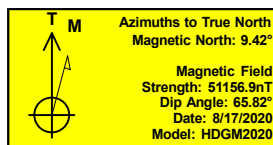
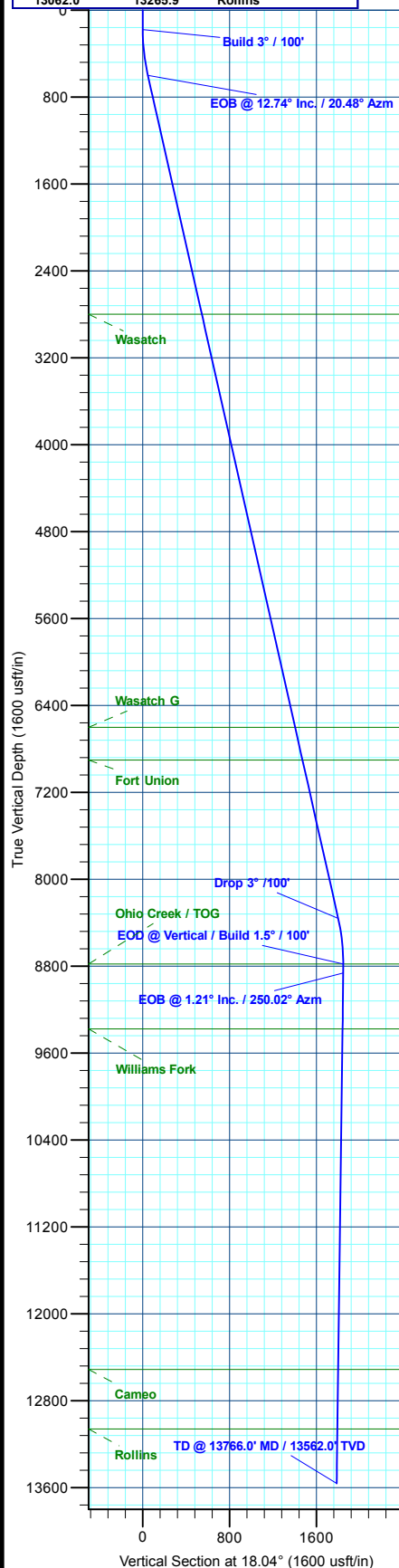
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
180.0	0.00	0.00	180.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
604.8	12.74	20.48	601.3	44.1	16.5	3.00	20.48	47.0	EOB @ 12.74° Inc. / 20.48° Azm
8560.2	12.74	20.48	8360.7	1687.9	630.5	0.00	0.00	1800.2	Drop 3° / 100'
8984.9	0.00	0.00	8782.0	1731.9	646.9	3.00	180.00	1847.1	EOD @ Vertical / Build 1.5° / 100'
9065.5	1.21	250.02	8862.6	1731.7	646.1	1.50	250.02	1846.6	EOB @ 1.21° Inc. / 250.02° Azm
13766.0	1.21	250.02	13562.0	1697.8	553.0	0.00	0.00	1785.6	TD @ 13766.0' MD / 13562.0' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
14C-7 - OHCR	8782.0	1731.9	646.9	14435029.19	2455470.53	39.713857	-108.101989
14C-7 - PBHL	13562.0	1697.8	553.0	14434992.00	2455377.70	39.713763	-108.102323

WELL DETAILS: ELU A18 FED 14C-7 495

Ground Level : 8029.0		Northing		Easting		Latitude		Longitude	
+N/-S	0.0	+E/-W	0.0	14433277.25	2454879.88	39.709104	-108.104288	14C-7	



Plan: Design #2 (ELU A18 FED 14C-7 495/Wellbore #1)

Created By: Will Jircik Date: 12:24, May 18 2022



Caerus Oil & Gas

Rio Blanco County, CO

ELU A18 495 Pad

ELU A18 FED 14C-7 495 - Slot 14C-7

Wellbore #1

Plan: Design #2

KLX Well Planning Report

18 May, 2022



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 14C-7 495 - Slot 14C-7
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 14C-7 495	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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 14C-7 495 - Slot 14C-7					
Well Position	+N/-S	-1.8 usft	Northing:	14,433,277.25 usft	Latitude:	39.709104
	+E/-W	-24.6 usft	Easting:	2,454,879.88 usft	Longitude:	-108.104288
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 #2			
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	18.04

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	
180.0	0.00	0.00	180.0	0.0	0.0	0.00	0.00	0.00	0.00	
604.8	12.74	20.48	601.3	44.1	16.5	3.00	3.00	0.00	20.48	
8,560.2	12.74	20.48	8,360.7	1,687.9	630.5	0.00	0.00	0.00	0.00	
8,984.9	0.00	0.00	8,782.0	1,731.9	646.9	3.00	-3.00	0.00	180.00	14C-7 - OHCR
9,065.5	1.21	250.02	8,862.6	1,731.7	646.1	1.50	1.50	-136.49	250.02	
13,766.0	1.21	250.02	13,562.0	1,697.8	553.0	0.00	0.00	0.00	0.00	14C-7 - PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 14C-7 495 - Slot 14C-7
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 14C-7 495	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/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
Build 3° / 100'									
180.0	0.00	0.00	180.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.60	20.48	200.0	0.1	0.0	0.1	3.00	3.00	0.00
300.0	3.60	20.48	299.9	3.5	1.3	3.8	3.00	3.00	0.00
400.0	6.60	20.48	399.5	11.9	4.4	12.6	3.00	3.00	0.00
500.0	9.60	20.48	498.5	25.1	9.4	26.7	3.00	3.00	0.00
EOB @ 12.74° Inc. / 20.48° Azm									
604.8	12.74	20.48	601.3	44.1	16.5	47.0	3.00	3.00	0.00
700.0	12.74	20.48	694.2	63.7	23.8	68.0	0.00	0.00	0.00
800.0	12.74	20.48	791.7	84.4	31.5	90.0	0.00	0.00	0.00
900.0	12.74	20.48	889.2	105.1	39.2	112.1	0.00	0.00	0.00
1,000.0	12.74	20.48	986.8	125.7	47.0	134.1	0.00	0.00	0.00
1,100.0	12.74	20.48	1,084.3	146.4	54.7	156.1	0.00	0.00	0.00
1,200.0	12.74	20.48	1,181.8	167.1	62.4	178.2	0.00	0.00	0.00
1,300.0	12.74	20.48	1,279.4	187.7	70.1	200.2	0.00	0.00	0.00
1,400.0	12.74	20.48	1,376.9	208.4	77.8	222.2	0.00	0.00	0.00
1,500.0	12.74	20.48	1,474.5	229.0	85.6	244.3	0.00	0.00	0.00
1,600.0	12.74	20.48	1,572.0	249.7	93.3	266.3	0.00	0.00	0.00
1,700.0	12.74	20.48	1,669.5	270.4	101.0	288.4	0.00	0.00	0.00
1,800.0	12.74	20.48	1,767.1	291.0	108.7	310.4	0.00	0.00	0.00
1,900.0	12.74	20.48	1,864.6	311.7	116.4	332.4	0.00	0.00	0.00
2,000.0	12.74	20.48	1,962.1	332.4	124.1	354.5	0.00	0.00	0.00
2,100.0	12.74	20.48	2,059.7	353.0	131.9	376.5	0.00	0.00	0.00
2,200.0	12.74	20.48	2,157.2	373.7	139.6	398.5	0.00	0.00	0.00
2,300.0	12.74	20.48	2,254.8	394.4	147.3	420.6	0.00	0.00	0.00
2,400.0	12.74	20.48	2,352.3	415.0	155.0	442.6	0.00	0.00	0.00
2,500.0	12.74	20.48	2,449.8	435.7	162.7	464.7	0.00	0.00	0.00
2,600.0	12.74	20.48	2,547.4	456.3	170.5	486.7	0.00	0.00	0.00
2,700.0	12.74	20.48	2,644.9	477.0	178.2	508.7	0.00	0.00	0.00
2,800.0	12.74	20.48	2,742.4	497.7	185.9	530.8	0.00	0.00	0.00
Wasatch									
2,859.0	12.74	20.48	2,800.0	509.9	190.4	543.8	0.00	0.00	0.00
2,900.0	12.74	20.48	2,840.0	518.3	193.6	552.8	0.00	0.00	0.00
3,000.0	12.74	20.48	2,937.5	539.0	201.3	574.8	0.00	0.00	0.00
3,100.0	12.74	20.48	3,035.1	559.7	209.0	596.9	0.00	0.00	0.00
3,200.0	12.74	20.48	3,132.6	580.3	216.8	618.9	0.00	0.00	0.00
3,300.0	12.74	20.48	3,230.1	601.0	224.5	641.0	0.00	0.00	0.00
3,400.0	12.74	20.48	3,327.7	621.6	232.2	663.0	0.00	0.00	0.00
3,500.0	12.74	20.48	3,425.2	642.3	239.9	685.0	0.00	0.00	0.00
3,600.0	12.74	20.48	3,522.7	663.0	247.6	707.1	0.00	0.00	0.00
3,700.0	12.74	20.48	3,620.3	683.6	255.4	729.1	0.00	0.00	0.00
3,800.0	12.74	20.48	3,717.8	704.3	263.1	751.1	0.00	0.00	0.00
3,900.0	12.74	20.48	3,815.3	725.0	270.8	773.2	0.00	0.00	0.00
4,000.0	12.74	20.48	3,912.9	745.6	278.5	795.2	0.00	0.00	0.00
4,100.0	12.74	20.48	4,010.4	766.3	286.2	817.3	0.00	0.00	0.00
4,200.0	12.74	20.48	4,108.0	786.9	293.9	839.3	0.00	0.00	0.00
4,300.0	12.74	20.48	4,205.5	807.6	301.7	861.3	0.00	0.00	0.00
4,400.0	12.74	20.48	4,303.0	828.3	309.4	883.4	0.00	0.00	0.00
4,500.0	12.74	20.48	4,400.6	848.9	317.1	905.4	0.00	0.00	0.00
4,600.0	12.74	20.48	4,498.1	869.6	324.8	927.4	0.00	0.00	0.00
4,700.0	12.74	20.48	4,595.6	890.3	332.5	949.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 14C-7 495 - Slot 14C-7
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 14C-7 495	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/100usft)	Turn Rate (°/100usft)
4,800.0	12.74	20.48	4,693.2	910.9	340.3	971.5	0.00	0.00	0.00
4,900.0	12.74	20.48	4,790.7	931.6	348.0	993.6	0.00	0.00	0.00
5,000.0	12.74	20.48	4,888.3	952.2	355.7	1,015.6	0.00	0.00	0.00
5,100.0	12.74	20.48	4,985.8	972.9	363.4	1,037.6	0.00	0.00	0.00
5,200.0	12.74	20.48	5,083.3	993.6	371.1	1,059.7	0.00	0.00	0.00
5,300.0	12.74	20.48	5,180.9	1,014.2	378.8	1,081.7	0.00	0.00	0.00
5,400.0	12.74	20.48	5,278.4	1,034.9	386.6	1,103.7	0.00	0.00	0.00
5,500.0	12.74	20.48	5,375.9	1,055.6	394.3	1,125.8	0.00	0.00	0.00
5,600.0	12.74	20.48	5,473.5	1,076.2	402.0	1,147.8	0.00	0.00	0.00
5,700.0	12.74	20.48	5,571.0	1,096.9	409.7	1,169.8	0.00	0.00	0.00
5,800.0	12.74	20.48	5,668.6	1,117.6	417.4	1,191.9	0.00	0.00	0.00
5,900.0	12.74	20.48	5,766.1	1,138.2	425.2	1,213.9	0.00	0.00	0.00
6,000.0	12.74	20.48	5,863.6	1,158.9	432.9	1,236.0	0.00	0.00	0.00
6,100.0	12.74	20.48	5,961.2	1,179.5	440.6	1,258.0	0.00	0.00	0.00
6,200.0	12.74	20.48	6,058.7	1,200.2	448.3	1,280.0	0.00	0.00	0.00
6,300.0	12.74	20.48	6,156.2	1,220.9	456.0	1,302.1	0.00	0.00	0.00
6,400.0	12.74	20.48	6,253.8	1,241.5	463.7	1,324.1	0.00	0.00	0.00
6,500.0	12.74	20.48	6,351.3	1,262.2	471.5	1,346.1	0.00	0.00	0.00
6,600.0	12.74	20.48	6,448.8	1,282.9	479.2	1,368.2	0.00	0.00	0.00
6,700.0	12.74	20.48	6,546.4	1,303.5	486.9	1,390.2	0.00	0.00	0.00
Wasatch G									
6,758.0	12.74	20.48	6,603.0	1,315.5	491.4	1,403.0	0.00	0.00	0.00
6,800.0	12.74	20.48	6,643.9	1,324.2	494.6	1,412.3	0.00	0.00	0.00
6,900.0	12.74	20.48	6,741.5	1,344.8	502.3	1,434.3	0.00	0.00	0.00
7,000.0	12.74	20.48	6,839.0	1,365.5	510.1	1,456.3	0.00	0.00	0.00
Fort Union									
7,065.6	12.74	20.48	6,903.0	1,379.1	515.1	1,470.8	0.00	0.00	0.00
7,100.0	12.74	20.48	6,936.5	1,386.2	517.8	1,478.4	0.00	0.00	0.00
7,200.0	12.74	20.48	7,034.1	1,406.8	525.5	1,500.4	0.00	0.00	0.00
7,300.0	12.74	20.48	7,131.6	1,427.5	533.2	1,522.4	0.00	0.00	0.00
7,400.0	12.74	20.48	7,229.1	1,448.2	540.9	1,544.5	0.00	0.00	0.00
7,500.0	12.74	20.48	7,326.7	1,468.8	548.6	1,566.5	0.00	0.00	0.00
7,600.0	12.74	20.48	7,424.2	1,489.5	556.4	1,588.6	0.00	0.00	0.00
7,700.0	12.74	20.48	7,521.8	1,510.1	564.1	1,610.6	0.00	0.00	0.00
7,800.0	12.74	20.48	7,619.3	1,530.8	571.8	1,632.6	0.00	0.00	0.00
7,900.0	12.74	20.48	7,716.8	1,551.5	579.5	1,654.7	0.00	0.00	0.00
8,000.0	12.74	20.48	7,814.4	1,572.1	587.2	1,676.7	0.00	0.00	0.00
8,100.0	12.74	20.48	7,911.9	1,592.8	595.0	1,698.7	0.00	0.00	0.00
8,200.0	12.74	20.48	8,009.4	1,613.5	602.7	1,720.8	0.00	0.00	0.00
8,300.0	12.74	20.48	8,107.0	1,634.1	610.4	1,742.8	0.00	0.00	0.00
8,400.0	12.74	20.48	8,204.5	1,654.8	618.1	1,764.9	0.00	0.00	0.00
8,500.0	12.74	20.48	8,302.1	1,675.4	625.8	1,786.9	0.00	0.00	0.00
Drop 3° /100'									
8,560.2	12.74	20.48	8,360.7	1,687.9	630.5	1,800.2	0.00	0.00	0.00
8,600.0	11.55	20.48	8,399.7	1,695.7	633.4	1,808.5	3.00	-3.00	0.00
8,700.0	8.55	20.48	8,498.1	1,712.1	639.5	1,826.0	3.00	-3.00	0.00
8,800.0	5.55	20.48	8,597.4	1,723.6	643.8	1,838.2	3.00	-3.00	0.00
8,900.0	2.55	20.48	8,697.1	1,730.2	646.3	1,845.3	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek / TOG									
8,984.9	0.00	0.00	8,782.0	1,731.9	646.9	1,847.1	3.00	-3.00	-24.12
9,000.0	0.23	250.02	8,797.1	1,731.9	646.9	1,847.1	1.50	1.50	-729.51
EOB @ 1.21° Inc. / 250.02° Azm									
9,065.5	1.21	250.02	8,862.6	1,731.7	646.1	1,846.6	1.50	1.50	0.00
9,100.0	1.21	250.02	8,897.1	1,731.4	645.4	1,846.2	0.00	0.00	0.00

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Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8059.0usft (30')
Site:	ELU A18 495 Pad	North Reference:	True
Well:	ELU A18 FED 14C-7 495	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/100usft)	Turn Rate (°/100usft)
9,200.0	1.21	250.02	8,997.0	1,730.7	643.5	1,844.9	0.00	0.00	0.00
9,300.0	1.21	250.02	9,097.0	1,730.0	641.5	1,843.6	0.00	0.00	0.00
9,400.0	1.21	250.02	9,197.0	1,729.2	639.5	1,842.3	0.00	0.00	0.00
9,500.0	1.21	250.02	9,297.0	1,728.5	637.5	1,841.0	0.00	0.00	0.00
Williams Fork									
9,582.0	1.21	250.02	9,379.0	1,727.9	635.9	1,839.9	0.00	0.00	0.00
9,600.0	1.21	250.02	9,397.0	1,727.8	635.5	1,839.7	0.00	0.00	0.00
9,700.0	1.21	250.02	9,496.9	1,727.1	633.6	1,838.4	0.00	0.00	0.00
9,800.0	1.21	250.02	9,596.9	1,726.4	631.6	1,837.1	0.00	0.00	0.00
9,900.0	1.21	250.02	9,696.9	1,725.6	629.6	1,835.8	0.00	0.00	0.00
10,000.0	1.21	250.02	9,796.9	1,724.9	627.6	1,834.5	0.00	0.00	0.00
10,100.0	1.21	250.02	9,896.8	1,724.2	625.6	1,833.2	0.00	0.00	0.00
10,200.0	1.21	250.02	9,996.8	1,723.5	623.6	1,831.9	0.00	0.00	0.00
10,300.0	1.21	250.02	10,096.8	1,722.8	621.7	1,830.6	0.00	0.00	0.00
10,400.0	1.21	250.02	10,196.8	1,722.0	619.7	1,829.3	0.00	0.00	0.00
10,500.0	1.21	250.02	10,296.8	1,721.3	617.7	1,828.0	0.00	0.00	0.00
10,600.0	1.21	250.02	10,396.7	1,720.6	615.7	1,826.7	0.00	0.00	0.00
10,700.0	1.21	250.02	10,496.7	1,719.9	613.7	1,825.4	0.00	0.00	0.00
10,800.0	1.21	250.02	10,596.7	1,719.2	611.7	1,824.1	0.00	0.00	0.00
10,900.0	1.21	250.02	10,696.7	1,718.4	609.8	1,822.8	0.00	0.00	0.00
11,000.0	1.21	250.02	10,796.6	1,717.7	607.8	1,821.5	0.00	0.00	0.00
11,100.0	1.21	250.02	10,896.6	1,717.0	605.8	1,820.2	0.00	0.00	0.00
11,200.0	1.21	250.02	10,996.6	1,716.3	603.8	1,818.9	0.00	0.00	0.00
11,300.0	1.21	250.02	11,096.6	1,715.5	601.8	1,817.6	0.00	0.00	0.00
11,400.0	1.21	250.02	11,196.6	1,714.8	599.9	1,816.3	0.00	0.00	0.00
11,500.0	1.21	250.02	11,296.5	1,714.1	597.9	1,815.0	0.00	0.00	0.00
11,600.0	1.21	250.02	11,396.5	1,713.4	595.9	1,813.7	0.00	0.00	0.00
11,700.0	1.21	250.02	11,496.5	1,712.7	593.9	1,812.4	0.00	0.00	0.00
11,800.0	1.21	250.02	11,596.5	1,711.9	591.9	1,811.1	0.00	0.00	0.00
11,900.0	1.21	250.02	11,696.4	1,711.2	589.9	1,809.8	0.00	0.00	0.00
12,000.0	1.21	250.02	11,796.4	1,710.5	588.0	1,808.5	0.00	0.00	0.00
12,100.0	1.21	250.02	11,896.4	1,709.8	586.0	1,807.2	0.00	0.00	0.00
12,200.0	1.21	250.02	11,996.4	1,709.1	584.0	1,805.9	0.00	0.00	0.00
12,300.0	1.21	250.02	12,096.4	1,708.3	582.0	1,804.6	0.00	0.00	0.00
12,400.0	1.21	250.02	12,196.3	1,707.6	580.0	1,803.3	0.00	0.00	0.00
12,500.0	1.21	250.02	12,296.3	1,706.9	578.0	1,802.0	0.00	0.00	0.00
12,600.0	1.21	250.02	12,396.3	1,706.2	576.1	1,800.7	0.00	0.00	0.00
12,700.0	1.21	250.02	12,496.3	1,705.5	574.1	1,799.4	0.00	0.00	0.00
Cameo									
12,715.7	1.21	250.02	12,512.0	1,705.3	573.8	1,799.2	0.00	0.00	0.00
12,800.0	1.21	250.02	12,596.2	1,704.7	572.1	1,798.1	0.00	0.00	0.00
12,900.0	1.21	250.02	12,696.2	1,704.0	570.1	1,796.8	0.00	0.00	0.00
13,000.0	1.21	250.02	12,796.2	1,703.3	568.1	1,795.5	0.00	0.00	0.00
13,100.0	1.21	250.02	12,896.2	1,702.6	566.2	1,794.2	0.00	0.00	0.00
13,200.0	1.21	250.02	12,996.1	1,701.9	564.2	1,792.9	0.00	0.00	0.00
Rollins									
13,265.9	1.21	250.02	13,062.0	1,701.4	562.9	1,792.0	0.00	0.00	0.00
13,300.0	1.21	250.02	13,096.1	1,701.1	562.2	1,791.6	0.00	0.00	0.00
13,400.0	1.21	250.02	13,196.1	1,700.4	560.2	1,790.3	0.00	0.00	0.00
13,500.0	1.21	250.02	13,296.1	1,699.7	558.2	1,789.0	0.00	0.00	0.00
13,600.0	1.21	250.02	13,396.1	1,699.0	556.2	1,787.7	0.00	0.00	0.00
13,700.0	1.21	250.02	13,496.0	1,698.3	554.3	1,786.4	0.00	0.00	0.00
TD @ 13766.0' MD / 13562.0' TVD									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU A18 FED 14C-7 495 - Slot 14C-7
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 14C-7 495	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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 (°/100usft)	Turn Rate (°/100usft)
13,766.0	1.21	250.02	13,562.0	1,697.8	553.0	1,785.6	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
14C-7 - OHCR	0.00	0.00	8,782.0	1,731.9	646.9	14,435,029.19	2,455,470.53	39.713857	-108.101989
- hit/miss target									
- plan hits target center									
- Point									
14C-7 - PBHL	0.00	0.00	13,562.0	1,697.8	553.0	14,434,992.00	2,455,377.70	39.713763	-108.102323
- plan hits target center									
- Ellipse (radii L100.0 W50.0 on 250.00 azi)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,859.0	2,800.0	Wasatch				
6,758.0	6,603.0	Wasatch G				
7,065.6	6,903.0	Fort Union				
8,984.9	8,782.0	Ohio Creek / TOG				
9,582.0	9,379.0	Williams Fork				
12,715.7	12,512.0	Cameo				
13,265.9	13,062.0	Rollins				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
180.0	180.0	0.0	0.0	Build 3° / 100'
604.8	601.3	44.1	16.5	EOB @ 12.74° Inc. / 20.48° Azm
8,560.2	8,360.7	1,687.9	630.5	Drop 3° / 100'
8,984.9	8,782.0	1,731.9	646.9	EOD @ Vertical / Build 1.5° / 100'
9,065.5	8,862.6	1,731.7	646.1	EOB @ 1.21° Inc. / 250.02° Azm
13,766.0	13,562.0	1,697.8	553.0	TD @ 13766.0' MD / 13562.0' TVD