

Project: Rio Blanco County, CO
 Site: ELU A18 495 Pad
 Well: ELU A18 FED 25C-12 496
 Wellbore: Wellbore #1
 Design: Design #2
 Latitude: 39.708994
 Longitude: -108.103897
 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

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	
100.0	0.00	0.00	100.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
266.7	5.00	257.00	266.5	-1.6	-7.1	3.00	257.00	6.4	EOB @ 5.00° Inc. / 257.00° Azm / Build 3° / 100'
665.9	16.07	286.69	658.6	10.4	-77.2	3.00	41.34	77.3	EOB @ 16.07° Inc. / 286.69° Azm
8441.5	16.07	286.69	8130.4	628.3	-2138.9	0.00	0.00	2228.6	Drop 3° / 100'
8977.1	0.00	0.00	8659.0	649.7	-2210.3	3.00	180.00	2303.2	EOD @ Vertical / Build 1.5° / 100'
9059.2	1.23	250.02	8741.1	649.4	-2211.2	1.50	250.02	2303.9	EOB @ 1.23° Inc. / 250.02° Azm
13671.2	1.23	250.02	13352.0	615.6	-2304.3	0.00	0.00	2385.1	TD @ 13671.2' MD / 13352.0' TVD

FORMATION TOP DETAILS

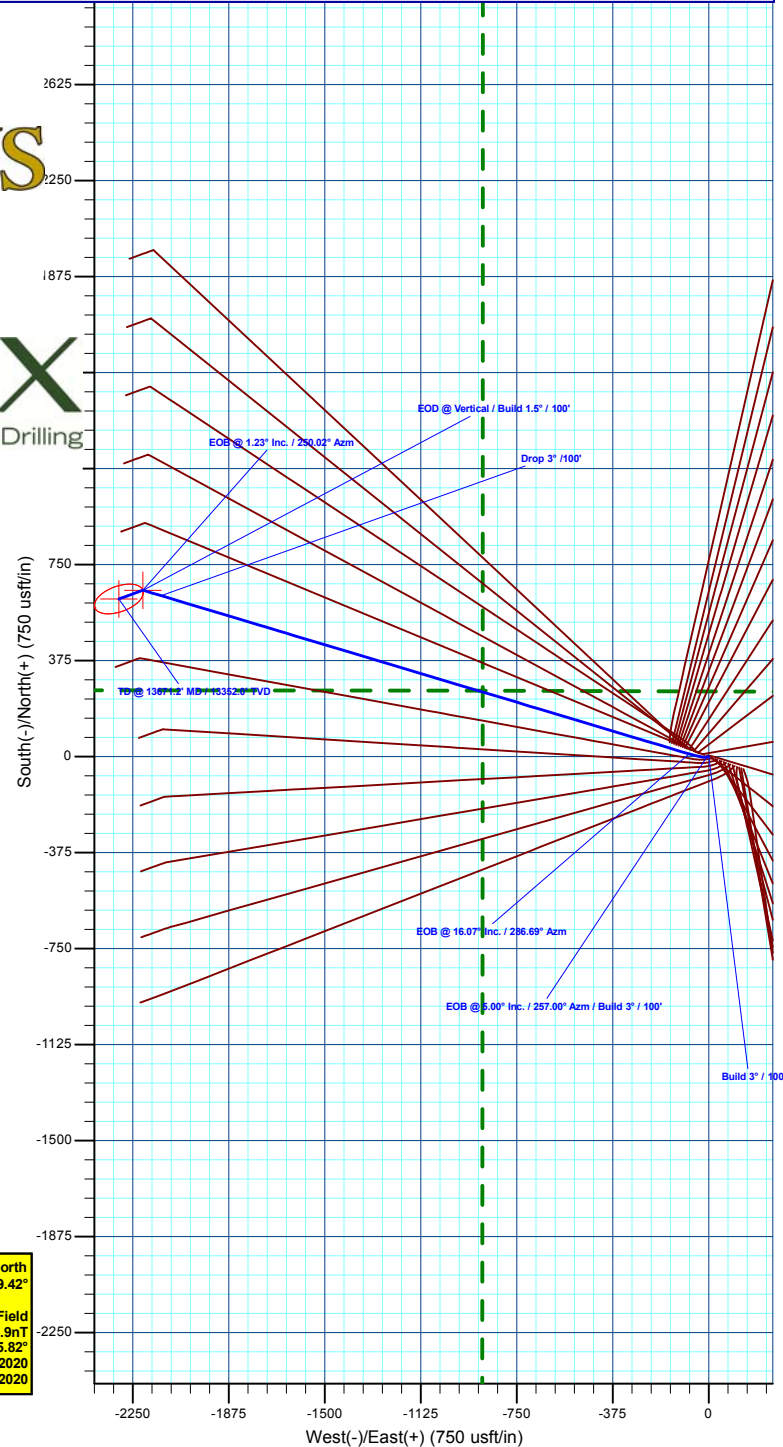
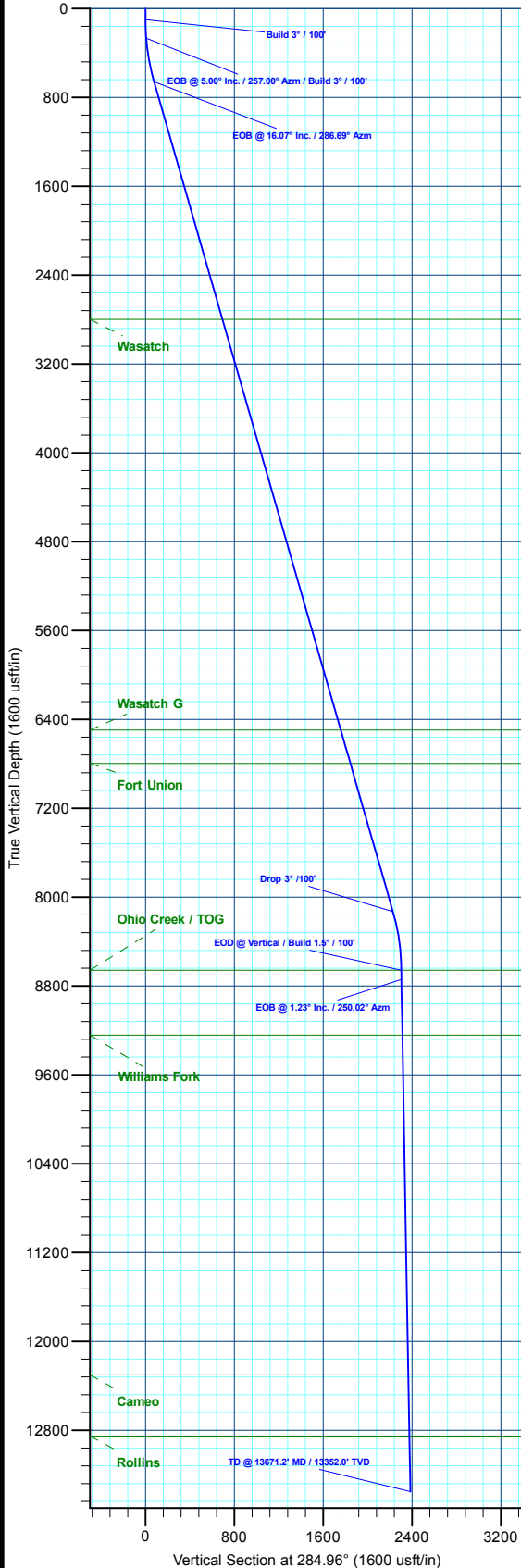
TVDPath	MDPath	Formation
2800.0	2894.4	Wasatch
6496.0	6740.7	Wasatch G
6796.0	7052.9	Fort Union
8659.0	8977.1	Ohio Creek / TOG
9243.0	9561.3	Williams Fork
12302.0	12621.0	Cameo
12852.0	13171.1	Rollins

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
25C-12 - OHCR8659.0	649.7	-2210.3	14433818.99	2452760.93	39.710777	-108.11751	
25C-12 - PBH13352.0	615.6	-2304.3	14433781.80	2452668.10	39.710683	-108.112084	

WELL DETAILS: ELU A18 FED 25C-12 496

		Ground Level : 8029.0			
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14433240.99	2454991.11	39.708994	-108.103897
		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



Caerus Oil & Gas

Rio Blanco County, CO

ELU A18 495 Pad

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

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 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 #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 25C-12 496 - Slot 25C-12					
Well Position	+N/-S	-41.6 usft	Northing:	14,433,240.99 usft	Latitude:	39.708995
	+E/-W	85.4 usft	Easting:	2,454,991.11 usft	Longitude:	-108.103897
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	284.96

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	
100.0	0.00	0.00	100.0	0.0	0.0	0.00	0.00	0.00	0.00	
266.7	5.00	257.00	266.5	-1.6	-7.1	3.00	3.00	0.00	257.00	
665.9	16.07	286.69	658.6	10.4	-77.2	3.00	2.77	7.44	41.34	
8,441.5	16.07	286.69	8,130.4	628.3	-2,138.9	0.00	0.00	0.00	0.00	
8,977.1	0.00	0.00	8,659.0	649.7	-2,210.3	3.00	-3.00	0.00	180.00	25C-12 - OHCR
9,059.2	1.23	250.02	8,741.1	649.4	-2,211.2	1.50	1.50	-133.96	250.02	
13,671.2	1.23	250.02	13,352.0	615.6	-2,304.3	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 #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	
Build 3° / 100'										
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	3.00	257.00	200.0	-0.6	-2.6	2.3	3.00	3.00	0.00	
EOB @ 5.00° Inc. / 257.00° Azm / Build 3° / 100'										
266.7	5.00	257.00	266.5	-1.6	-7.1	6.4	3.00	3.00	0.00	
300.0	5.79	263.56	299.6	-2.2	-10.2	9.3	3.00	2.37	19.69	
400.0	8.43	275.33	398.9	-2.0	-22.5	21.2	3.00	2.64	11.76	
500.0	11.25	281.38	497.4	0.6	-39.3	38.2	3.00	2.82	6.05	
600.0	14.14	285.00	594.9	5.7	-60.7	60.1	3.00	2.89	3.63	
EOB @ 16.07° Inc. / 286.69° Azm										
665.9	16.07	286.69	658.6	10.4	-77.2	77.3	3.00	2.93	2.55	
700.0	16.07	286.69	691.3	13.1	-86.3	86.7	0.00	0.00	0.00	
800.0	16.07	286.69	787.4	21.0	-112.8	114.4	0.00	0.00	0.00	
900.0	16.07	286.69	883.5	29.0	-139.3	142.0	0.00	0.00	0.00	
1,000.0	16.07	286.69	979.6	36.9	-165.8	169.7	0.00	0.00	0.00	
1,100.0	16.07	286.69	1,075.7	44.9	-192.3	197.4	0.00	0.00	0.00	
1,200.0	16.07	286.69	1,171.8	52.8	-218.8	225.0	0.00	0.00	0.00	
1,300.0	16.07	286.69	1,267.9	60.8	-245.3	252.7	0.00	0.00	0.00	
1,400.0	16.07	286.69	1,364.0	68.7	-271.9	280.4	0.00	0.00	0.00	
1,500.0	16.07	286.69	1,460.1	76.6	-298.4	308.0	0.00	0.00	0.00	
1,600.0	16.07	286.69	1,556.2	84.6	-324.9	335.7	0.00	0.00	0.00	
1,700.0	16.07	286.69	1,652.3	92.5	-351.4	363.4	0.00	0.00	0.00	
1,800.0	16.07	286.69	1,748.3	100.5	-377.9	391.0	0.00	0.00	0.00	
1,900.0	16.07	286.69	1,844.4	108.4	-404.4	418.7	0.00	0.00	0.00	
2,000.0	16.07	286.69	1,940.5	116.4	-430.9	446.4	0.00	0.00	0.00	
2,100.0	16.07	286.69	2,036.6	124.3	-457.5	474.0	0.00	0.00	0.00	
2,200.0	16.07	286.69	2,132.7	132.3	-484.0	501.7	0.00	0.00	0.00	
2,300.0	16.07	286.69	2,228.8	140.2	-510.5	529.4	0.00	0.00	0.00	
2,400.0	16.07	286.69	2,324.9	148.2	-537.0	557.0	0.00	0.00	0.00	
2,500.0	16.07	286.69	2,421.0	156.1	-563.5	584.7	0.00	0.00	0.00	
2,600.0	16.07	286.69	2,517.1	164.1	-590.0	612.4	0.00	0.00	0.00	
2,700.0	16.07	286.69	2,613.2	172.0	-616.5	640.1	0.00	0.00	0.00	
2,800.0	16.07	286.69	2,709.3	180.0	-643.1	667.7	0.00	0.00	0.00	
Wasatch										
2,894.4	16.07	286.69	2,800.0	187.5	-668.1	693.8	0.00	0.00	0.00	
2,900.0	16.07	286.69	2,805.4	187.9	-669.6	695.4	0.00	0.00	0.00	
3,000.0	16.07	286.69	2,901.5	195.9	-696.1	723.1	0.00	0.00	0.00	
3,100.0	16.07	286.69	2,997.6	203.8	-722.6	750.7	0.00	0.00	0.00	
3,200.0	16.07	286.69	3,093.6	211.8	-749.1	778.4	0.00	0.00	0.00	
3,300.0	16.07	286.69	3,189.7	219.7	-775.6	806.1	0.00	0.00	0.00	
3,400.0	16.07	286.69	3,285.8	227.7	-802.1	833.7	0.00	0.00	0.00	
3,500.0	16.07	286.69	3,381.9	235.6	-828.7	861.4	0.00	0.00	0.00	
3,600.0	16.07	286.69	3,478.0	243.5	-855.2	889.1	0.00	0.00	0.00	
3,700.0	16.07	286.69	3,574.1	251.5	-881.7	916.7	0.00	0.00	0.00	
3,800.0	16.07	286.69	3,670.2	259.4	-908.2	944.4	0.00	0.00	0.00	
3,900.0	16.07	286.69	3,766.3	267.4	-934.7	972.1	0.00	0.00	0.00	
4,000.0	16.07	286.69	3,862.4	275.3	-961.2	999.7	0.00	0.00	0.00	
4,100.0	16.07	286.69	3,958.5	283.3	-987.7	1,027.4	0.00	0.00	0.00	
4,200.0	16.07	286.69	4,054.6	291.2	-1,014.3	1,055.1	0.00	0.00	0.00	
4,300.0	16.07	286.69	4,150.7	299.2	-1,040.8	1,082.7	0.00	0.00	0.00	
4,400.0	16.07	286.69	4,246.8	307.1	-1,067.3	1,110.4	0.00	0.00	0.00	
4,500.0	16.07	286.69	4,342.9	315.1	-1,093.8	1,138.1	0.00	0.00	0.00	
4,600.0	16.07	286.69	4,438.9	323.0	-1,120.3	1,165.7	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 #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)
4,700.0	16.07	286.69	4,535.0	331.0	-1,146.8	1,193.4	0.00	0.00	0.00
4,800.0	16.07	286.69	4,631.1	338.9	-1,173.3	1,221.1	0.00	0.00	0.00
4,900.0	16.07	286.69	4,727.2	346.9	-1,199.9	1,248.7	0.00	0.00	0.00
5,000.0	16.07	286.69	4,823.3	354.8	-1,226.4	1,276.4	0.00	0.00	0.00
5,100.0	16.07	286.69	4,919.4	362.8	-1,252.9	1,304.1	0.00	0.00	0.00
5,200.0	16.07	286.69	5,015.5	370.7	-1,279.4	1,331.7	0.00	0.00	0.00
5,300.0	16.07	286.69	5,111.6	378.7	-1,305.9	1,359.4	0.00	0.00	0.00
5,400.0	16.07	286.69	5,207.7	386.6	-1,332.4	1,387.1	0.00	0.00	0.00
5,500.0	16.07	286.69	5,303.8	394.5	-1,358.9	1,414.7	0.00	0.00	0.00
5,600.0	16.07	286.69	5,399.9	402.5	-1,385.5	1,442.4	0.00	0.00	0.00
5,700.0	16.07	286.69	5,496.0	410.4	-1,412.0	1,470.1	0.00	0.00	0.00
5,800.0	16.07	286.69	5,592.1	418.4	-1,438.5	1,497.7	0.00	0.00	0.00
5,900.0	16.07	286.69	5,688.2	426.3	-1,465.0	1,525.4	0.00	0.00	0.00
6,000.0	16.07	286.69	5,784.2	434.3	-1,491.5	1,553.1	0.00	0.00	0.00
6,100.0	16.07	286.69	5,880.3	442.2	-1,518.0	1,580.7	0.00	0.00	0.00
6,200.0	16.07	286.69	5,976.4	450.2	-1,544.5	1,608.4	0.00	0.00	0.00
6,300.0	16.07	286.69	6,072.5	458.1	-1,571.1	1,636.1	0.00	0.00	0.00
6,400.0	16.07	286.69	6,168.6	466.1	-1,597.6	1,663.7	0.00	0.00	0.00
6,500.0	16.07	286.69	6,264.7	474.0	-1,624.1	1,691.4	0.00	0.00	0.00
6,600.0	16.07	286.69	6,360.8	482.0	-1,650.6	1,719.1	0.00	0.00	0.00
6,700.0	16.07	286.69	6,456.9	489.9	-1,677.1	1,746.7	0.00	0.00	0.00
Wasatch G									
6,740.7	16.07	286.69	6,496.0	493.2	-1,687.9	1,758.0	0.00	0.00	0.00
6,800.0	16.07	286.69	6,553.0	497.9	-1,703.6	1,774.4	0.00	0.00	0.00
6,900.0	16.07	286.69	6,649.1	505.8	-1,730.1	1,802.1	0.00	0.00	0.00
7,000.0	16.07	286.69	6,745.2	513.8	-1,756.7	1,829.7	0.00	0.00	0.00
Fort Union									
7,052.9	16.07	286.69	6,796.0	518.0	-1,770.7	1,844.4	0.00	0.00	0.00
7,100.0	16.07	286.69	6,841.3	521.7	-1,783.2	1,857.4	0.00	0.00	0.00
7,200.0	16.07	286.69	6,937.4	529.7	-1,809.7	1,885.1	0.00	0.00	0.00
7,300.0	16.07	286.69	7,033.5	537.6	-1,836.2	1,912.7	0.00	0.00	0.00
7,400.0	16.07	286.69	7,129.5	545.5	-1,862.7	1,940.4	0.00	0.00	0.00
7,500.0	16.07	286.69	7,225.6	553.5	-1,889.2	1,968.1	0.00	0.00	0.00
7,600.0	16.07	286.69	7,321.7	561.4	-1,915.7	1,995.7	0.00	0.00	0.00
7,700.0	16.07	286.69	7,417.8	569.4	-1,942.3	2,023.4	0.00	0.00	0.00
7,800.0	16.07	286.69	7,513.9	577.3	-1,968.8	2,051.1	0.00	0.00	0.00
7,900.0	16.07	286.69	7,610.0	585.3	-1,995.3	2,078.7	0.00	0.00	0.00
8,000.0	16.07	286.69	7,706.1	593.2	-2,021.8	2,106.4	0.00	0.00	0.00
8,100.0	16.07	286.69	7,802.2	601.2	-2,048.3	2,134.1	0.00	0.00	0.00
8,200.0	16.07	286.69	7,898.3	609.1	-2,074.8	2,161.7	0.00	0.00	0.00
8,300.0	16.07	286.69	7,994.4	617.1	-2,101.3	2,189.4	0.00	0.00	0.00
8,400.0	16.07	286.69	8,090.5	625.0	-2,127.9	2,217.1	0.00	0.00	0.00
Drop 3° /100'									
8,441.5	16.07	286.69	8,130.4	628.3	-2,138.9	2,228.6	0.00	0.00	0.00
8,500.0	14.31	286.69	8,186.8	632.7	-2,153.5	2,243.9	3.00	-3.00	0.00
8,600.0	11.31	286.69	8,284.3	639.1	-2,174.8	2,266.1	3.00	-3.00	0.00
8,700.0	8.31	286.69	8,382.8	644.0	-2,191.1	2,283.1	3.00	-3.00	0.00
8,800.0	5.31	286.69	8,482.1	647.4	-2,202.5	2,294.9	3.00	-3.00	0.00
8,900.0	2.31	286.69	8,581.9	649.3	-2,208.9	2,301.6	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek / TOG									
8,977.1	0.00	0.00	8,659.0	649.7	-2,210.3	2,303.2	3.00	-3.00	0.00
9,000.0	0.34	250.02	8,681.9	649.7	-2,210.4	2,303.2	1.50	1.50	0.00
EOB @ 1.23° Inc. / 250.02° Azm									

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 #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)	
9,059.2	1.23	250.02	8,741.1	649.4	-2,211.2	2,303.9	1.50	1.50	0.00	
9,100.0	1.23	250.02	8,781.8	649.1	-2,212.0	2,304.6	0.00	0.00	0.00	
9,200.0	1.23	250.02	8,881.8	648.4	-2,214.0	2,306.4	0.00	0.00	0.00	
9,300.0	1.23	250.02	8,981.8	647.7	-2,216.0	2,308.1	0.00	0.00	0.00	
9,400.0	1.23	250.02	9,081.8	646.9	-2,218.1	2,309.9	0.00	0.00	0.00	
9,500.0	1.23	250.02	9,181.7	646.2	-2,220.1	2,311.6	0.00	0.00	0.00	
Williams Fork										
9,561.3	1.23	250.02	9,243.0	645.8	-2,221.3	2,312.7	0.00	0.00	0.00	
9,600.0	1.23	250.02	9,281.7	645.5	-2,222.1	2,313.4	0.00	0.00	0.00	
9,700.0	1.23	250.02	9,381.7	644.7	-2,224.1	2,315.2	0.00	0.00	0.00	
9,800.0	1.23	250.02	9,481.7	644.0	-2,226.1	2,316.9	0.00	0.00	0.00	
9,900.0	1.23	250.02	9,581.7	643.3	-2,228.2	2,318.7	0.00	0.00	0.00	
10,000.0	1.23	250.02	9,681.6	642.5	-2,230.2	2,320.5	0.00	0.00	0.00	
10,100.0	1.23	250.02	9,781.6	641.8	-2,232.2	2,322.2	0.00	0.00	0.00	
10,200.0	1.23	250.02	9,881.6	641.1	-2,234.2	2,324.0	0.00	0.00	0.00	
10,300.0	1.23	250.02	9,981.6	640.3	-2,236.2	2,325.7	0.00	0.00	0.00	
10,400.0	1.23	250.02	10,081.5	639.6	-2,238.3	2,327.5	0.00	0.00	0.00	
10,500.0	1.23	250.02	10,181.5	638.9	-2,240.3	2,329.3	0.00	0.00	0.00	
10,600.0	1.23	250.02	10,281.5	638.1	-2,242.3	2,331.0	0.00	0.00	0.00	
10,700.0	1.23	250.02	10,381.5	637.4	-2,244.3	2,332.8	0.00	0.00	0.00	
10,800.0	1.23	250.02	10,481.4	636.7	-2,246.3	2,334.5	0.00	0.00	0.00	
10,900.0	1.23	250.02	10,581.4	635.9	-2,248.4	2,336.3	0.00	0.00	0.00	
11,000.0	1.23	250.02	10,681.4	635.2	-2,250.4	2,338.1	0.00	0.00	0.00	
11,100.0	1.23	250.02	10,781.4	634.5	-2,252.4	2,339.8	0.00	0.00	0.00	
11,200.0	1.23	250.02	10,881.4	633.7	-2,254.4	2,341.6	0.00	0.00	0.00	
11,300.0	1.23	250.02	10,981.3	633.0	-2,256.4	2,343.4	0.00	0.00	0.00	
11,400.0	1.23	250.02	11,081.3	632.3	-2,258.5	2,345.1	0.00	0.00	0.00	
11,500.0	1.23	250.02	11,181.3	631.5	-2,260.5	2,346.9	0.00	0.00	0.00	
11,600.0	1.23	250.02	11,281.3	630.8	-2,262.5	2,348.6	0.00	0.00	0.00	
11,700.0	1.23	250.02	11,381.2	630.1	-2,264.5	2,350.4	0.00	0.00	0.00	
11,800.0	1.23	250.02	11,481.2	629.3	-2,266.5	2,352.2	0.00	0.00	0.00	
11,900.0	1.23	250.02	11,581.2	628.6	-2,268.6	2,353.9	0.00	0.00	0.00	
12,000.0	1.23	250.02	11,681.2	627.8	-2,270.6	2,355.7	0.00	0.00	0.00	
12,100.0	1.23	250.02	11,781.1	627.1	-2,272.6	2,357.4	0.00	0.00	0.00	
12,200.0	1.23	250.02	11,881.1	626.4	-2,274.6	2,359.2	0.00	0.00	0.00	
12,300.0	1.23	250.02	11,981.1	625.6	-2,276.6	2,361.0	0.00	0.00	0.00	
12,400.0	1.23	250.02	12,081.1	624.9	-2,278.6	2,362.7	0.00	0.00	0.00	
12,500.0	1.23	250.02	12,181.1	624.2	-2,280.7	2,364.5	0.00	0.00	0.00	
12,600.0	1.23	250.02	12,281.0	623.4	-2,282.7	2,366.3	0.00	0.00	0.00	
Cameo										
12,621.0	1.23	250.02	12,302.0	623.3	-2,283.1	2,366.6	0.00	0.00	0.00	
12,700.0	1.23	250.02	12,381.0	622.7	-2,284.7	2,368.0	0.00	0.00	0.00	
12,800.0	1.23	250.02	12,481.0	622.0	-2,286.7	2,369.8	0.00	0.00	0.00	
12,900.0	1.23	250.02	12,581.0	621.2	-2,288.7	2,371.5	0.00	0.00	0.00	
13,000.0	1.23	250.02	12,680.9	620.5	-2,290.8	2,373.3	0.00	0.00	0.00	
13,100.0	1.23	250.02	12,780.9	619.8	-2,292.8	2,375.1	0.00	0.00	0.00	
Rollins										
13,171.1	1.23	250.02	12,852.0	619.2	-2,294.2	2,376.3	0.00	0.00	0.00	
13,200.0	1.23	250.02	12,880.9	619.0	-2,294.8	2,376.8	0.00	0.00	0.00	
13,300.0	1.23	250.02	12,980.9	618.3	-2,296.8	2,378.6	0.00	0.00	0.00	
13,400.0	1.23	250.02	13,080.8	617.6	-2,298.8	2,380.4	0.00	0.00	0.00	
13,500.0	1.23	250.02	13,180.8	616.8	-2,300.9	2,382.1	0.00	0.00	0.00	
13,600.0	1.23	250.02	13,280.8	616.1	-2,302.9	2,383.9	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 #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)
TD @ 13671.2' MD / 13352.0' TVD									
13,671.2	1.23	250.02	13,352.0	615.6	-2,304.3	2,385.1	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
25C-12 - OHCR - hit/miss target - Shape - Point	0.00	0.00	8,659.0	649.7	-2,210.3	14,433,818.99	2,452,760.93	39.710777	-108.111751
25C-12 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	13,352.0	615.6	-2,304.3	14,433,781.80	2,452,668.10	39.710684	-108.112085

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,894.4	2,800.0	Wasatch				
6,740.7	6,496.0	Wasatch G				
7,052.9	6,796.0	Fort Union				
8,977.1	8,659.0	Ohio Creek / TOG				
9,561.3	9,243.0	Williams Fork				
12,621.0	12,302.0	Cameo				
13,171.1	12,852.0	Rollins				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
100.0	100.0	0.0	0.0	Build 3° / 100'	
266.7	266.5	-1.6	-7.1	EOB @ 5.00° Inc. / 257.00° Azm / Build 3° / 100'	
665.9	658.6	10.4	-77.2	EOB @ 16.07° Inc. / 286.69° Azm	
8,441.5	8,130.4	628.3	-2,138.9	Drop 3° / 100'	
8,977.1	8,659.0	649.7	-2,210.3	EOD @ Vertical / Build 1.5° / 100'	
9,059.2	8,741.1	649.4	-2,211.2	EOB @ 1.23° Inc. / 250.02° Azm	
13,671.2	13,352.0	615.6	-2,304.3	TD @ 13671.2' MD / 13352.0' TVD	