

Project: Rio Blanco County, CO
 Site: ELU O13 496 Pad
 Well: ELU O13 FED 24C-13 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.698673
 Longitude: -108.114960
 Ground Level: 8118.0
 RKB @ 8148.0usft (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

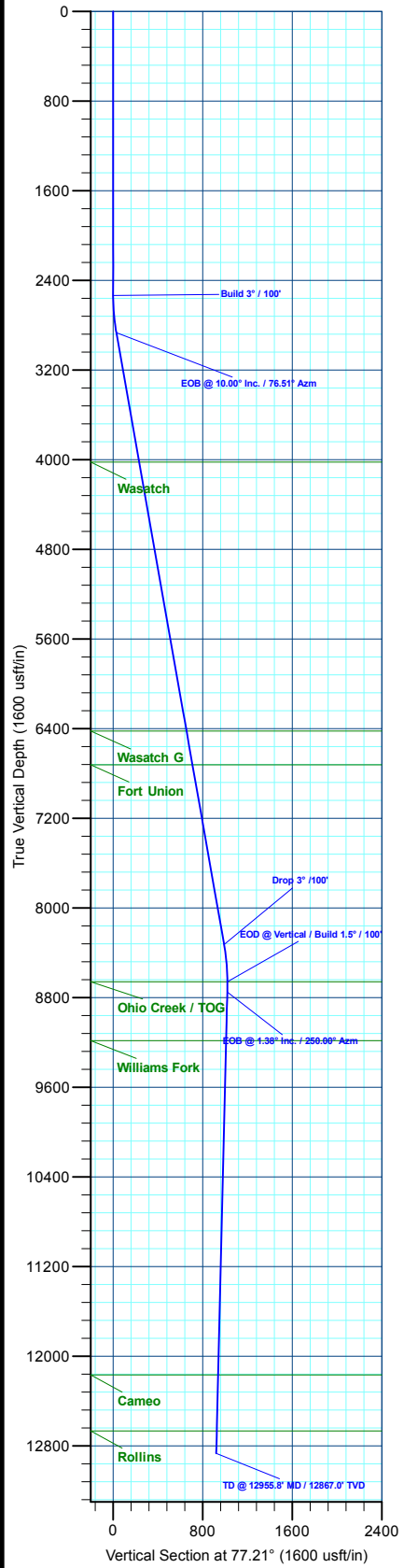
REFERENCE INFORMATION
 Vertical (TVD) Reference: RKB @ 8148.0usft (30')
 Section (VS) Reference: Slot - ELU O13 FED 24C-13 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8148.0usft (30')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4022.0	4041.5	Wasatch
6422.0	6478.5	Wasatch G
6722.0	6763.1	Fort Union
8659.0	8746.6	Ohio Creek / TOG
9184.0	9271.7	Williams Fork
12167.0	12255.6	Cameo
12667.0	12755.7	Rollins

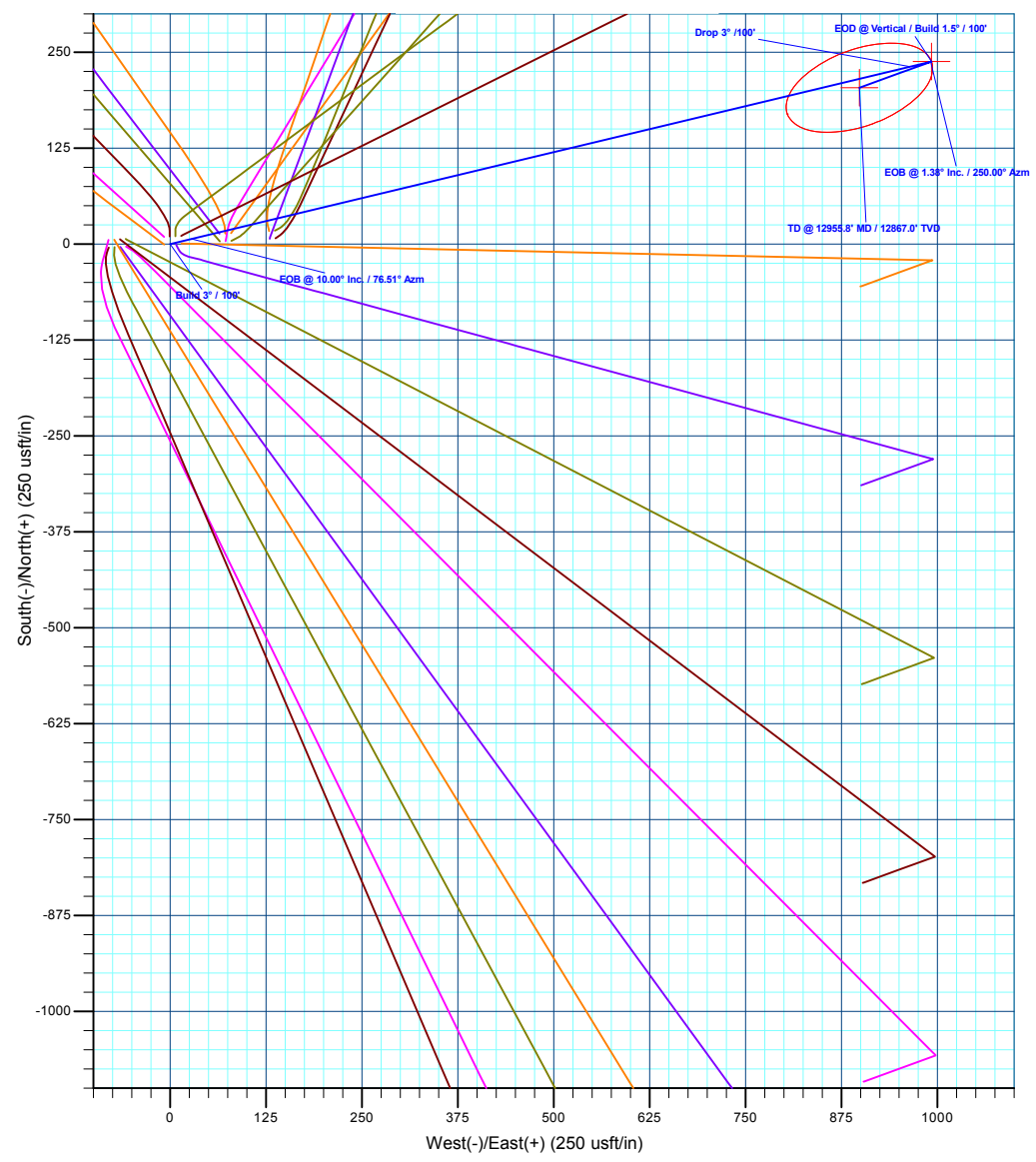
SECTION DETAILS									
MD	Inc	Azi	TVD	+N-S	+E-W	Dieg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2535.0	0.00	0.00	2535.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
2868.2	10.00	76.51	2868.5	6.8	28.2	3.00	76.51	29.0	EOB @ 10.00° Inc. / 76.51° Azm
8413.3	10.00	76.51	8327.5	231.3	964.2	0.00	0.00	991.5	Drop 3° / 100'
8746.6	0.00	0.00	8659.0	238.1	992.4	3.00	180.00	1020.5	EOD @ Vertical / Build 1.5° / 100'
8838.3	1.38	250.00	8750.7	237.7	991.4	1.50	250.00	1019.4	EOB @ 1.38° Inc. / 250.00° Azm
12955.8	1.38	250.00	12867.0	203.9	898.4	0.00	0.00	921.3	TD @ 12955.8' MD / 12867.0' TVD

DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude
OHCR - 24C-13	8659.0	238.1	992.4	14429651.61	2452984.22	39.699327
PBHL - 24C-13	12867.0	203.9	898.4	14429614.40	2452891.40	39.699233

WELL DETAILS: ELU O13 FED 24C-13 496					
			Ground Level : 8118.0		
			Northing	Easting	Latitude
			14429381.70	2452000.00	39.698673
					Longitude
					-108.114960



Compass Rose
 T M
 Azimuths to True North
 Magnetic North: 9.43°
 Magnetic Field
 Strength: 51179.8nT
 Dip Angle: 65.82°
 Date: 6/5/2020
 Model: HDGM2020





Caerus Oil & Gas

Rio Blanco County, CO

ELU O13 496 Pad

ELU O13 FED 24C-13 496 - Slot ELU O13 FED 24C-13 496

Wellbore #1

Plan: Design #1

QES Well Planning Report

19 June, 2020



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU O13 FED 24C-13 496 - Slot ELU O13 FED 24C-13 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8148.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8148.0usft (30')
Site:	ELU O13 496 Pad	North Reference:	True
Well:	ELU O13 FED 24C-13 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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 O13 496 Pad		
Site Position:		Northing:	14,429,398.00 usft
From:	Map	Easting:	2,452,071.40 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.698712
		Longitude:	-108.114705
		Grid Convergence:	1.84 °

Well	ELU O13 FED 24C-13 496 - Slot ELU O13 FED 24C-13 496		
Well Position	+N/-S	-14.0 usft	Northing:
	+E/-W	-71.9 usft	Easting:
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	6/5/2020	9.43	65.82	51,179.80000000

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	77.21	

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	
2,535.0	0.00	0.00	2,535.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,868.2	10.00	76.51	2,866.5	6.8	28.2	3.00	3.00	0.00	76.51	
8,413.3	10.00	76.51	8,327.5	231.3	964.2	0.00	0.00	0.00	0.00	
8,746.6	0.00	0.00	8,659.0	238.1	992.4	3.00	-3.00	0.00	180.00	OHCR - 24C-13
8,838.3	1.38	250.00	8,750.7	237.7	991.4	1.50	1.50	-119.88	250.00	
12,955.8	1.38	250.00	12,867.0	203.9	898.4	0.00	0.00	0.00	0.00	PBHL - 24C-13

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU O13 FED 24C-13 496 - Slot ELU O13 FED 24C-13 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8148.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8148.0usft (30')
Site:	ELU O13 496 Pad	North Reference:	True
Well:	ELU O13 FED 24C-13 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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	
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	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	
Build 3° / 100'										
2,535.0	0.00	0.00	2,535.0	0.0	0.0	0.0	0.00	0.00	0.00	
2,600.0	1.95	76.51	2,600.0	0.3	1.1	1.1	3.00	3.00	0.00	
2,700.0	4.95	76.51	2,699.8	1.7	6.9	7.1	3.00	3.00	0.00	
2,800.0	7.95	76.51	2,799.2	4.3	17.8	18.4	3.00	3.00	0.00	
EOB @ 10.00° Inc. / 76.51° Azm										
2,868.2	10.00	76.51	2,866.5	6.8	28.2	29.0	3.00	3.00	0.00	
2,900.0	10.00	76.51	2,897.8	8.1	33.6	34.5	0.00	0.00	0.00	
3,000.0	10.00	76.51	2,996.3	12.1	50.4	51.9	0.00	0.00	0.00	
3,100.0	10.00	76.51	3,094.8	16.2	67.3	69.2	0.00	0.00	0.00	
3,200.0	10.00	76.51	3,193.3	20.2	84.2	86.6	0.00	0.00	0.00	
3,300.0	10.00	76.51	3,291.8	24.3	101.1	103.9	0.00	0.00	0.00	
3,400.0	10.00	76.51	3,390.2	28.3	118.0	121.3	0.00	0.00	0.00	
3,500.0	10.00	76.51	3,488.7	32.4	134.8	138.7	0.00	0.00	0.00	
3,600.0	10.00	76.51	3,587.2	36.4	151.7	156.0	0.00	0.00	0.00	
3,700.0	10.00	76.51	3,685.7	40.5	168.6	173.4	0.00	0.00	0.00	
3,800.0	10.00	76.51	3,784.2	44.5	185.5	190.7	0.00	0.00	0.00	
3,900.0	10.00	76.51	3,882.6	48.6	202.4	208.1	0.00	0.00	0.00	
4,000.0	10.00	76.51	3,981.1	52.6	219.2	225.4	0.00	0.00	0.00	
Wasatch										
4,041.5	10.00	76.51	4,022.0	54.3	226.2	232.6	0.00	0.00	0.00	
4,100.0	10.00	76.51	4,079.6	56.7	236.1	242.8	0.00	0.00	0.00	
4,200.0	10.00	76.51	4,178.1	60.7	253.0	260.2	0.00	0.00	0.00	
4,300.0	10.00	76.51	4,276.6	64.8	269.9	277.5	0.00	0.00	0.00	
4,400.0	10.00	76.51	4,375.1	68.8	286.8	294.9	0.00	0.00	0.00	
4,500.0	10.00	76.51	4,473.5	72.9	303.6	312.2	0.00	0.00	0.00	
4,600.0	10.00	76.51	4,572.0	76.9	320.5	329.6	0.00	0.00	0.00	

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Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8148.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8148.0usft (30')
Site:	ELU O13 496 Pad	North Reference:	True
Well:	ELU O13 FED 24C-13 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
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)
4,700.0	10.00	76.51	4,670.5	81.0	337.4	346.9	0.00	0.00	0.00
4,800.0	10.00	76.51	4,769.0	85.0	354.3	364.3	0.00	0.00	0.00
4,900.0	10.00	76.51	4,867.5	89.1	371.2	381.7	0.00	0.00	0.00
5,000.0	10.00	76.51	4,965.9	93.1	388.0	399.0	0.00	0.00	0.00
5,100.0	10.00	76.51	5,064.4	97.1	404.9	416.4	0.00	0.00	0.00
5,200.0	10.00	76.51	5,162.9	101.2	421.8	433.7	0.00	0.00	0.00
5,300.0	10.00	76.51	5,261.4	105.2	438.7	451.1	0.00	0.00	0.00
5,400.0	10.00	76.51	5,359.9	109.3	455.6	468.4	0.00	0.00	0.00
5,500.0	10.00	76.51	5,458.4	113.3	472.4	485.8	0.00	0.00	0.00
5,600.0	10.00	76.51	5,556.8	117.4	489.3	503.2	0.00	0.00	0.00
5,700.0	10.00	76.51	5,655.3	121.4	506.2	520.5	0.00	0.00	0.00
5,800.0	10.00	76.51	5,753.8	125.5	523.1	537.9	0.00	0.00	0.00
5,900.0	10.00	76.51	5,852.3	129.5	540.0	555.2	0.00	0.00	0.00
6,000.0	10.00	76.51	5,950.8	133.6	556.8	572.6	0.00	0.00	0.00
6,100.0	10.00	76.51	6,049.2	137.6	573.7	589.9	0.00	0.00	0.00
6,200.0	10.00	76.51	6,147.7	141.7	590.6	607.3	0.00	0.00	0.00
6,300.0	10.00	76.51	6,246.2	145.7	607.5	624.7	0.00	0.00	0.00
6,400.0	10.00	76.51	6,344.7	149.8	624.4	642.0	0.00	0.00	0.00
Wasatch G									
6,478.5	10.00	76.51	6,422.0	153.0	637.6	655.6	0.00	0.00	0.00
6,500.0	10.00	76.51	6,443.2	153.8	641.2	659.4	0.00	0.00	0.00
6,600.0	10.00	76.51	6,541.7	157.9	658.1	676.7	0.00	0.00	0.00
6,700.0	10.00	76.51	6,640.1	161.9	675.0	694.1	0.00	0.00	0.00
Fort Union									
6,783.1	10.00	76.51	6,722.0	165.3	689.0	708.5	0.00	0.00	0.00
6,800.0	10.00	76.51	6,738.6	166.0	691.9	711.5	0.00	0.00	0.00
6,900.0	10.00	76.51	6,837.1	170.0	708.8	728.8	0.00	0.00	0.00
7,000.0	10.00	76.51	6,935.6	174.1	725.6	746.2	0.00	0.00	0.00
7,100.0	10.00	76.51	7,034.1	178.1	742.5	763.5	0.00	0.00	0.00
7,200.0	10.00	76.51	7,132.5	182.2	759.4	780.9	0.00	0.00	0.00
7,300.0	10.00	76.51	7,231.0	186.2	776.3	798.2	0.00	0.00	0.00
7,400.0	10.00	76.51	7,329.5	190.3	793.2	815.6	0.00	0.00	0.00
7,500.0	10.00	76.51	7,428.0	194.3	810.0	833.0	0.00	0.00	0.00
7,600.0	10.00	76.51	7,526.5	198.4	826.9	850.3	0.00	0.00	0.00
7,700.0	10.00	76.51	7,625.0	202.4	843.8	867.7	0.00	0.00	0.00
7,800.0	10.00	76.51	7,723.4	206.5	860.7	885.0	0.00	0.00	0.00
7,900.0	10.00	76.51	7,821.9	210.5	877.5	902.4	0.00	0.00	0.00
8,000.0	10.00	76.51	7,920.4	214.6	894.4	919.7	0.00	0.00	0.00
8,100.0	10.00	76.51	8,018.9	218.6	911.3	937.1	0.00	0.00	0.00
8,200.0	10.00	76.51	8,117.4	222.7	928.2	954.5	0.00	0.00	0.00
8,300.0	10.00	76.51	8,215.8	226.7	945.1	971.8	0.00	0.00	0.00
8,400.0	10.00	76.51	8,314.3	230.8	961.9	989.2	0.00	0.00	0.00
Drop 3° /100'									
8,413.3	10.00	76.51	8,327.5	231.3	964.2	991.5	0.00	0.00	0.00
8,500.0	7.40	76.51	8,413.1	234.4	976.9	1,004.6	3.00	-3.00	0.00
8,600.0	4.40	76.51	8,512.6	236.8	986.9	1,014.9	3.00	-3.00	0.00
8,700.0	1.40	76.51	8,612.4	238.0	991.8	1,019.9	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek / TOG									
8,746.6	0.00	0.00	8,659.0	238.1	992.4	1,020.5	3.00	-3.00	-164.32
8,800.0	0.80	250.00	8,712.4	238.0	992.0	1,020.1	1.50	1.50	-205.84
EOB @ 1.38° Inc. / 250.00° Azm									
8,838.3	1.38	250.00	8,750.7	237.7	991.4	1,019.4	1.50	1.50	0.00

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Wellbore:	Wellbore #1		
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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)
8,900.0	1.38	250.00	8,812.4	237.2	990.0	1,017.9	0.00	0.00	0.00
9,000.0	1.38	250.00	8,912.4	236.4	987.7	1,015.5	0.00	0.00	0.00
9,100.0	1.38	250.00	9,012.4	235.6	985.5	1,013.2	0.00	0.00	0.00
9,200.0	1.38	250.00	9,112.3	234.8	983.2	1,010.8	0.00	0.00	0.00
Williams Fork									
9,271.7	1.38	250.00	9,184.0	234.2	981.6	1,009.1	0.00	0.00	0.00
9,300.0	1.38	250.00	9,212.3	233.9	980.9	1,008.4	0.00	0.00	0.00
9,400.0	1.38	250.00	9,312.3	233.1	978.7	1,006.0	0.00	0.00	0.00
9,500.0	1.38	250.00	9,412.2	232.3	976.4	1,003.6	0.00	0.00	0.00
9,600.0	1.38	250.00	9,512.2	231.5	974.2	1,001.2	0.00	0.00	0.00
9,700.0	1.38	250.00	9,612.2	230.6	971.9	998.9	0.00	0.00	0.00
9,800.0	1.38	250.00	9,712.2	229.8	969.7	996.5	0.00	0.00	0.00
9,900.0	1.38	250.00	9,812.1	229.0	967.4	994.1	0.00	0.00	0.00
10,000.0	1.38	250.00	9,912.1	228.2	965.1	991.7	0.00	0.00	0.00
10,100.0	1.38	250.00	10,012.1	227.4	962.9	989.3	0.00	0.00	0.00
10,200.0	1.38	250.00	10,112.0	226.5	960.6	986.9	0.00	0.00	0.00
10,300.0	1.38	250.00	10,212.0	225.7	958.4	984.6	0.00	0.00	0.00
10,400.0	1.38	250.00	10,312.0	224.9	956.1	982.2	0.00	0.00	0.00
10,500.0	1.38	250.00	10,412.0	224.1	953.9	979.8	0.00	0.00	0.00
10,600.0	1.38	250.00	10,511.9	223.3	951.6	977.4	0.00	0.00	0.00
10,700.0	1.38	250.00	10,611.9	222.4	949.3	975.0	0.00	0.00	0.00
10,800.0	1.38	250.00	10,711.9	221.6	947.1	972.6	0.00	0.00	0.00
10,900.0	1.38	250.00	10,811.8	220.8	944.8	970.3	0.00	0.00	0.00
11,000.0	1.38	250.00	10,911.8	220.0	942.6	967.9	0.00	0.00	0.00
11,100.0	1.38	250.00	11,011.8	219.1	940.3	965.5	0.00	0.00	0.00
11,200.0	1.38	250.00	11,111.7	218.3	938.1	963.1	0.00	0.00	0.00
11,300.0	1.38	250.00	11,211.7	217.5	935.8	960.7	0.00	0.00	0.00
11,400.0	1.38	250.00	11,311.7	216.7	933.5	958.3	0.00	0.00	0.00
11,500.0	1.38	250.00	11,411.7	215.9	931.3	956.0	0.00	0.00	0.00
11,600.0	1.38	250.00	11,511.6	215.0	929.0	953.6	0.00	0.00	0.00
11,700.0	1.38	250.00	11,611.6	214.2	926.8	951.2	0.00	0.00	0.00
11,800.0	1.38	250.00	11,711.6	213.4	924.5	948.8	0.00	0.00	0.00
11,900.0	1.38	250.00	11,811.5	212.6	922.3	946.4	0.00	0.00	0.00
12,000.0	1.38	250.00	11,911.5	211.7	920.0	944.0	0.00	0.00	0.00
12,100.0	1.38	250.00	12,011.5	210.9	917.7	941.7	0.00	0.00	0.00
12,200.0	1.38	250.00	12,111.5	210.1	915.5	939.3	0.00	0.00	0.00
Cameo									
12,255.6	1.38	250.00	12,167.0	209.7	914.2	938.0	0.00	0.00	0.00
12,300.0	1.38	250.00	12,211.4	209.3	913.2	936.9	0.00	0.00	0.00
12,400.0	1.38	250.00	12,311.4	208.5	911.0	934.5	0.00	0.00	0.00
12,500.0	1.38	250.00	12,411.4	207.6	908.7	932.1	0.00	0.00	0.00
12,600.0	1.38	250.00	12,511.3	206.8	906.5	929.8	0.00	0.00	0.00
12,700.0	1.38	250.00	12,611.3	206.0	904.2	927.4	0.00	0.00	0.00
Rollins									
12,755.7	1.38	250.00	12,667.0	205.5	902.9	926.0	0.00	0.00	0.00
12,800.0	1.38	250.00	12,711.3	205.2	901.9	925.0	0.00	0.00	0.00
12,900.0	1.38	250.00	12,811.3	204.4	899.7	922.6	0.00	0.00	0.00
TD @ 12955.8' MD / 12867.0' TVD									
12,955.8	1.38	250.00	12,867.0	203.9	898.4	921.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU O13 FED 24C-13 496 - Slot ELU O13 FED 24C-13 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8148.0usft (30')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 8148.0usft (30')
Site:	ELU O13 496 Pad	North Reference:	True
Well:	ELU O13 FED 24C-13 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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
OHCR - 24C-13 - plan hits target center - Point	0.00	0.00	8,659.0	238.1	992.4	14,429,651.61	2,452,984.22	39.699327	-108.111435
PBHL - 24C-13 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,867.0	203.9	898.4	14,429,614.40	2,452,891.40	39.699233	-108.111769

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,041.5	4,022.0	Wasatch			
6,478.5	6,422.0	Wasatch G			
6,783.1	6,722.0	Fort Union			
8,746.6	8,659.0	Ohio Creek / TOG			
9,271.7	9,184.0	Williams Fork			
12,255.6	12,167.0	Cameo			
12,755.7	12,667.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,535.0	2,535.0	0.0	0.0	Build 3° / 100'
2,868.2	2,866.5	6.8	28.2	EOB @ 10.00° Inc. / 76.51° Azm
8,413.3	8,327.5	231.3	964.2	Drop 3° / 100'
8,746.6	8,659.0	238.1	992.4	EOD @ Vertical / Build 1.5° / 100'
8,838.3	8,750.7	237.7	991.4	EOB @ 1.38° Inc. / 250.00° Azm
12,955.8	12,867.0	203.9	898.4	TD @ 12955.8' MD / 12867.0' TVD