

Project: Rio Blanco County, CO
 Site: ELU 396 6A
 Well: ELU 396 6A1 FED 11C-5 396
 Wellbore: OH
 Design: Permit #3
 Latitude: 39.820778
 Longitude: -108.201282
 Ground Level: 6663.0
 RKB @ 6688.0usft (25')

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 @ 6688.0usft (25')
 Section (VS) Reference: Slot - 11C-5(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 6688.0usft (25')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3247.0	3370.9	Wasatch
6224.0	6489.0	Wasatch G
6370.0	6641.9	Fort Union
8120.0	8456.7	Ohio Creek
8670.0	9006.8	Williams Fork
11718.0	12055.5	Cameo
12464.0	12801.7	Rollins

SECTION DETAILS

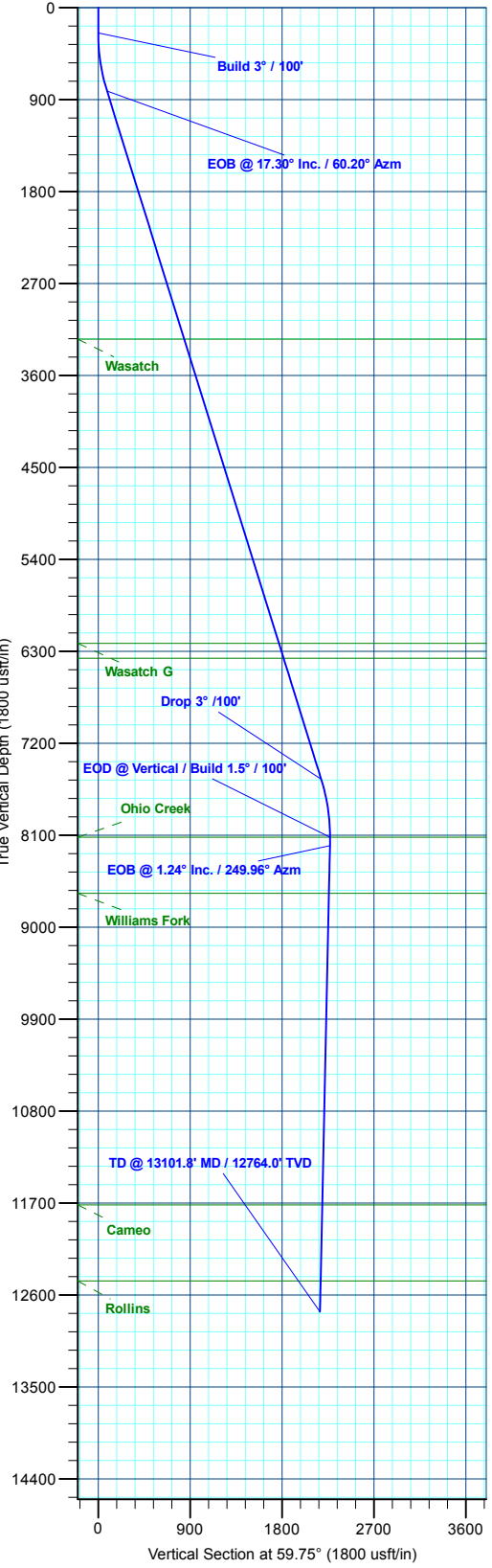
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
826.8	17.30	60.20	818.1	43.0	75.0	3.00	60.20	86.4	EOB @ 17.30° Inc. / 60.20° Azm
7879.9	17.30	60.20	7551.9	1085.6	1895.5	0.00	0.00	2184.3	Drop 3° / 100'
8456.7	0.00	0.00	8120.0	1128.6	1970.5	3.00	180.00	2270.7	EOD @ Vertical / Build 1.5° / 100'
8539.7	1.24	249.96	8203.0	1128.3	1969.7	1.50	249.96	2269.9	EOB @ 1.24° Inc. / 249.96° Azm
13101.8	1.24	249.96	12764.0	1094.3	1876.6	0.00	0.00	2172.3	TD @ 13101.8' MD / 12764.0' TVD

DESIGN TARGET DETAILS

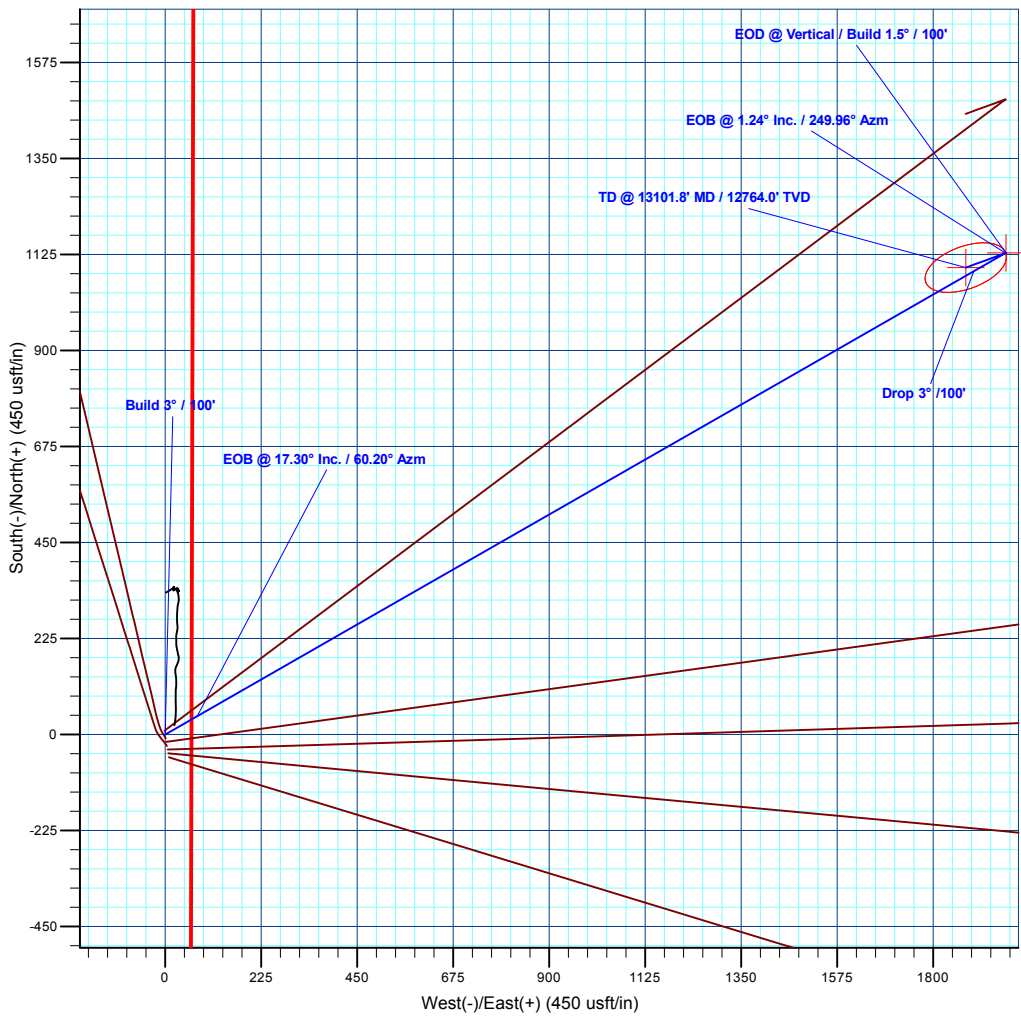
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
11C-5 v2 - OHCR	8120.0	1128.6	1970.5	14474271.49	2428257.23	39.823875	-108.194269
11C-5 v2 - PBHL	12764.0	1094.3	1876.6	14474234.30	2428164.40	39.823781	-108.194603

WELL DETAILS: ELU 396 6A1 FED 11C-5 396

+N/-S	+E/-W	Ground Level : 6663.0	Latitude	Longitude
0.0	0.0	14473081.80	39.820778	-108.201282
		2426323.00		11C-5



Azimuths to True North
 Magnetic North: 9.17°
 Magnetic Field Strength: 51041.5nT
 Dip Angle: 65.78°
 Date: 10/14/2022
 Model: HDGM2022



Plan: Permit #3 (ELU 396 6A1 FED 11C-5 396/OH)
 Created By: Will Jircik Date: 16:55, September 11 2023



Caerus Oil & Gas

Rio Blanco County, CO

ELU 396 6A

ELU 396 6A1 FED 11C-5 396 - Slot 11C-5

OH

Plan: Permit #3

KLX Well Planning Report

11 September, 2023



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU 396 6A1 FED 11C-5 396 - Slot 11C-5
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6688.0usft (25')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6688.0usft (25')
Site:	ELU 396 6A	North Reference:	True
Well:	ELU 396 6A1 FED 11C-5 396	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Permit #3		

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 396 6A		
Site Position:	Northing:	14,473,090.60 usft	Latitude: 39.820802
From: Map	Easting:	2,426,321.30 usft	Longitude: -108.201287
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "		Grid Convergence: 1.79 °

Well	ELU 396 6A1 FED 11C-5 396 - Slot 11C-5		
Well Position	+N/-S -8.8 usft	Northing: 14,473,081.80 usft	Latitude: 39.820778
	+E/-W 1.4 usft	Easting: 2,426,323.00 usft	Longitude: -108.201282
Position Uncertainty	0.0 usft	Wellhead Elevation:	Ground Level: 6,663.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2022	10/14/2022	9.17	65.78	51,041.50000000

Design	Permit #3			
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	59.75

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		
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.00	0.00		
826.8	17.30	60.20	818.1	43.0	75.0	3.00	3.00	0.00	60.20		
7,879.9	17.30	60.20	7,551.9	1,085.6	1,895.5	0.00	0.00	0.00	0.00		
8,456.7	0.00	0.00	8,120.0	1,128.6	1,970.5	3.00	-3.00	0.00	180.00	11C-5 v2 - OHCR	
8,539.7	1.24	249.96	8,203.0	1,128.3	1,969.7	1.50	1.50	-132.61	249.96		
13,101.8	1.24	249.96	12,764.0	1,094.3	1,876.6	0.00	0.00	0.00	0.00	11C-5 v2 - PBHL	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU 396 6A1 FED 11C-5 396 - Slot 11C-5
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6688.0usft (25')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6688.0usft (25')
Site:	ELU 396 6A	North Reference:	True
Well:	ELU 396 6A1 FED 11C-5 396	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Permit #3		

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'									
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	1.50	60.20	300.0	0.3	0.6	0.7	3.00	3.00	0.00
400.0	4.50	60.20	399.8	2.9	5.1	5.9	3.00	3.00	0.00
500.0	7.50	60.20	499.3	8.1	14.2	16.3	3.00	3.00	0.00
600.0	10.50	60.20	598.0	15.9	27.8	32.0	3.00	3.00	0.00
700.0	13.50	60.20	695.8	26.2	45.8	52.8	3.00	3.00	0.00
800.0	16.50	60.20	792.4	39.1	68.2	78.6	3.00	3.00	0.00
EOB @ 17.30° Inc. / 60.20° Azm									
826.8	17.30	60.20	818.1	43.0	75.0	86.4	3.00	3.00	0.00
900.0	17.30	60.20	888.0	53.8	93.9	108.2	0.00	0.00	0.00
1,000.0	17.30	60.20	983.4	68.6	119.7	138.0	0.00	0.00	0.00
1,100.0	17.30	60.20	1,078.9	83.3	145.5	167.7	0.00	0.00	0.00
1,200.0	17.30	60.20	1,174.4	98.1	171.3	197.4	0.00	0.00	0.00
1,300.0	17.30	60.20	1,269.9	112.9	197.1	227.2	0.00	0.00	0.00
1,400.0	17.30	60.20	1,365.3	127.7	223.0	256.9	0.00	0.00	0.00
1,500.0	17.30	60.20	1,460.8	142.5	248.8	286.7	0.00	0.00	0.00
1,600.0	17.30	60.20	1,556.3	157.3	274.6	316.4	0.00	0.00	0.00
1,700.0	17.30	60.20	1,651.7	172.0	300.4	346.2	0.00	0.00	0.00
1,800.0	17.30	60.20	1,747.2	186.8	326.2	375.9	0.00	0.00	0.00
1,900.0	17.30	60.20	1,842.7	201.6	352.0	405.6	0.00	0.00	0.00
2,000.0	17.30	60.20	1,938.2	216.4	377.8	435.4	0.00	0.00	0.00
2,100.0	17.30	60.20	2,033.6	231.2	403.6	465.1	0.00	0.00	0.00
2,200.0	17.30	60.20	2,129.1	246.0	429.4	494.9	0.00	0.00	0.00
2,300.0	17.30	60.20	2,224.6	260.7	455.3	524.6	0.00	0.00	0.00
2,400.0	17.30	60.20	2,320.1	275.5	481.1	554.4	0.00	0.00	0.00
2,500.0	17.30	60.20	2,415.5	290.3	506.9	584.1	0.00	0.00	0.00
2,600.0	17.30	60.20	2,511.0	305.1	532.7	613.9	0.00	0.00	0.00
2,700.0	17.30	60.20	2,606.5	319.9	558.5	643.6	0.00	0.00	0.00
2,800.0	17.30	60.20	2,702.0	334.7	584.3	673.3	0.00	0.00	0.00
2,900.0	17.30	60.20	2,797.4	349.4	610.1	703.1	0.00	0.00	0.00
3,000.0	17.30	60.20	2,892.9	364.2	635.9	732.8	0.00	0.00	0.00
3,100.0	17.30	60.20	2,988.4	379.0	661.8	762.6	0.00	0.00	0.00
3,200.0	17.30	60.20	3,083.9	393.8	687.6	792.3	0.00	0.00	0.00
3,300.0	17.30	60.20	3,179.3	408.6	713.4	822.1	0.00	0.00	0.00
Wasatch									
3,370.9	17.30	60.20	3,247.0	419.1	731.7	843.1	0.00	0.00	0.00
3,400.0	17.30	60.20	3,274.8	423.4	739.2	851.8	0.00	0.00	0.00
3,500.0	17.30	60.20	3,370.3	438.1	765.0	881.6	0.00	0.00	0.00
3,600.0	17.30	60.20	3,465.8	452.9	790.8	911.3	0.00	0.00	0.00
3,700.0	17.30	60.20	3,561.2	467.7	816.6	941.0	0.00	0.00	0.00
3,800.0	17.30	60.20	3,656.7	482.5	842.4	970.8	0.00	0.00	0.00
3,900.0	17.30	60.20	3,752.2	497.3	868.2	1,000.5	0.00	0.00	0.00
4,000.0	17.30	60.20	3,847.6	512.1	894.1	1,030.3	0.00	0.00	0.00
4,100.0	17.30	60.20	3,943.1	526.8	919.9	1,060.0	0.00	0.00	0.00
4,200.0	17.30	60.20	4,038.6	541.6	945.7	1,089.8	0.00	0.00	0.00
4,300.0	17.30	60.20	4,134.1	556.4	971.5	1,119.5	0.00	0.00	0.00
4,400.0	17.30	60.20	4,229.5	571.2	997.3	1,149.2	0.00	0.00	0.00
4,500.0	17.30	60.20	4,325.0	586.0	1,023.1	1,179.0	0.00	0.00	0.00
4,600.0	17.30	60.20	4,420.5	600.8	1,048.9	1,208.7	0.00	0.00	0.00

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Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6688.0usft (25')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6688.0usft (25')
Site:	ELU 396 6A	North Reference:	True
Well:	ELU 396 6A1 FED 11C-5 396	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Permit #3		

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	17.30	60.20	4,516.0	615.5	1,074.7	1,238.5	0.00	0.00	0.00
4,800.0	17.30	60.20	4,611.4	630.3	1,100.5	1,268.2	0.00	0.00	0.00
4,900.0	17.30	60.20	4,706.9	645.1	1,126.4	1,298.0	0.00	0.00	0.00
5,000.0	17.30	60.20	4,802.4	659.9	1,152.2	1,327.7	0.00	0.00	0.00
5,100.0	17.30	60.20	4,897.9	674.7	1,178.0	1,357.5	0.00	0.00	0.00
5,200.0	17.30	60.20	4,993.3	689.5	1,203.8	1,387.2	0.00	0.00	0.00
5,300.0	17.30	60.20	5,088.8	704.2	1,229.6	1,416.9	0.00	0.00	0.00
5,400.0	17.30	60.20	5,184.3	719.0	1,255.4	1,446.7	0.00	0.00	0.00
5,500.0	17.30	60.20	5,279.8	733.8	1,281.2	1,476.4	0.00	0.00	0.00
5,600.0	17.30	60.20	5,375.2	748.6	1,307.0	1,506.2	0.00	0.00	0.00
5,700.0	17.30	60.20	5,470.7	763.4	1,332.8	1,535.9	0.00	0.00	0.00
5,800.0	17.30	60.20	5,566.2	778.1	1,358.7	1,565.7	0.00	0.00	0.00
5,900.0	17.30	60.20	5,661.6	792.9	1,384.5	1,595.4	0.00	0.00	0.00
6,000.0	17.30	60.20	5,757.1	807.7	1,410.3	1,625.2	0.00	0.00	0.00
6,100.0	17.30	60.20	5,852.6	822.5	1,436.1	1,654.9	0.00	0.00	0.00
6,200.0	17.30	60.20	5,948.1	837.3	1,461.9	1,684.6	0.00	0.00	0.00
6,300.0	17.30	60.20	6,043.5	852.1	1,487.7	1,714.4	0.00	0.00	0.00
6,400.0	17.30	60.20	6,139.0	866.8	1,513.5	1,744.1	0.00	0.00	0.00
Wasatch G									
6,489.0	17.30	60.20	6,224.0	880.0	1,536.5	1,770.6	0.00	0.00	0.00
6,500.0	17.30	60.20	6,234.5	881.6	1,539.3	1,773.9	0.00	0.00	0.00
6,600.0	17.30	60.20	6,330.0	896.4	1,565.1	1,803.6	0.00	0.00	0.00
Fort Union									
6,641.9	17.30	60.20	6,370.0	902.6	1,576.0	1,816.1	0.00	0.00	0.00
6,700.0	17.30	60.20	6,425.4	911.2	1,591.0	1,833.4	0.00	0.00	0.00
6,800.0	17.30	60.20	6,520.9	926.0	1,616.8	1,863.1	0.00	0.00	0.00
6,900.0	17.30	60.20	6,616.4	940.8	1,642.6	1,892.8	0.00	0.00	0.00
7,000.0	17.30	60.20	6,711.9	955.5	1,668.4	1,922.6	0.00	0.00	0.00
7,100.0	17.30	60.20	6,807.3	970.3	1,694.2	1,952.3	0.00	0.00	0.00
7,200.0	17.30	60.20	6,902.8	985.1	1,720.0	1,982.1	0.00	0.00	0.00
7,300.0	17.30	60.20	6,998.3	999.9	1,745.8	2,011.8	0.00	0.00	0.00
7,400.0	17.30	60.20	7,093.8	1,014.7	1,771.6	2,041.6	0.00	0.00	0.00
7,500.0	17.30	60.20	7,189.2	1,029.5	1,797.4	2,071.3	0.00	0.00	0.00
7,600.0	17.30	60.20	7,284.7	1,044.2	1,823.3	2,101.1	0.00	0.00	0.00
7,700.0	17.30	60.20	7,380.2	1,059.0	1,849.1	2,130.8	0.00	0.00	0.00
7,800.0	17.30	60.20	7,475.6	1,073.8	1,874.9	2,160.5	0.00	0.00	0.00
Drop 3° /100'									
7,879.9	17.30	60.20	7,551.9	1,085.6	1,895.5	2,184.3	0.00	0.00	0.00
7,900.0	16.70	60.20	7,571.2	1,088.5	1,900.6	2,190.2	3.00	-3.00	0.00
8,000.0	13.70	60.20	7,667.6	1,101.6	1,923.4	2,216.4	3.00	-3.00	0.00
8,100.0	10.70	60.20	7,765.4	1,112.1	1,941.7	2,237.5	3.00	-3.00	0.00
8,200.0	7.70	60.20	7,864.1	1,120.0	1,955.6	2,253.5	3.00	-3.00	0.00
8,300.0	4.70	60.20	7,963.5	1,125.4	1,964.9	2,264.3	3.00	-3.00	0.00
8,400.0	1.70	60.20	8,063.3	1,128.2	1,969.8	2,269.9	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,456.7	0.00	0.00	8,120.0	1,128.6	1,970.5	2,270.7	3.00	-3.00	0.00
8,500.0	0.65	249.96	8,163.3	1,128.5	1,970.3	2,270.5	1.50	1.50	0.00
EOB @ 1.24° Inc. / 249.96° Azm									
8,539.7	1.24	249.96	8,203.0	1,128.3	1,969.7	2,269.9	1.50	1.50	0.00
8,600.0	1.24	249.96	8,263.3	1,127.8	1,968.4	2,268.6	0.00	0.00	0.00
8,700.0	1.24	249.96	8,363.3	1,127.1	1,966.4	2,266.4	0.00	0.00	0.00
8,800.0	1.24	249.96	8,463.2	1,126.3	1,964.4	2,264.3	0.00	0.00	0.00

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Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6688.0usft (25')
Site:	ELU 396 6A	North Reference:	True
Well:	ELU 396 6A1 FED 11C-5 396	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Permit #3		

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	1.24	249.96	8,563.2	1,125.6	1,962.3	2,262.2	0.00	0.00	0.00
9,000.0	1.24	249.96	8,663.2	1,124.8	1,960.3	2,260.0	0.00	0.00	0.00
Williams Fork									
9,006.8	1.24	249.96	8,670.0	1,124.8	1,960.1	2,259.9	0.00	0.00	0.00
9,100.0	1.24	249.96	8,763.2	1,124.1	1,958.2	2,257.9	0.00	0.00	0.00
9,200.0	1.24	249.96	8,863.1	1,123.4	1,956.2	2,255.7	0.00	0.00	0.00
9,300.0	1.24	249.96	8,963.1	1,122.6	1,954.1	2,253.6	0.00	0.00	0.00
9,400.0	1.24	249.96	9,063.1	1,121.9	1,952.1	2,251.5	0.00	0.00	0.00
9,500.0	1.24	249.96	9,163.1	1,121.1	1,950.1	2,249.3	0.00	0.00	0.00
9,600.0	1.24	249.96	9,263.0	1,120.4	1,948.0	2,247.2	0.00	0.00	0.00
9,700.0	1.24	249.96	9,363.0	1,119.6	1,946.0	2,245.1	0.00	0.00	0.00
9,800.0	1.24	249.96	9,463.0	1,118.9	1,943.9	2,242.9	0.00	0.00	0.00
9,900.0	1.24	249.96	9,563.0	1,118.1	1,941.9	2,240.8	0.00	0.00	0.00
10,000.0	1.24	249.96	9,663.0	1,117.4	1,939.9	2,238.6	0.00	0.00	0.00
10,100.0	1.24	249.96	9,762.9	1,116.7	1,937.8	2,236.5	0.00	0.00	0.00
10,200.0	1.24	249.96	9,862.9	1,115.9	1,935.8	2,234.4	0.00	0.00	0.00
10,300.0	1.24	249.96	9,962.9	1,115.2	1,933.7	2,232.2	0.00	0.00	0.00
10,400.0	1.24	249.96	10,062.9	1,114.4	1,931.7	2,230.1	0.00	0.00	0.00
10,500.0	1.24	249.96	10,162.8	1,113.7	1,929.7	2,228.0	0.00	0.00	0.00
10,600.0	1.24	249.96	10,262.8	1,112.9	1,927.6	2,225.8	0.00	0.00	0.00
10,700.0	1.24	249.96	10,362.8	1,112.2	1,925.6	2,223.7	0.00	0.00	0.00
10,800.0	1.24	249.96	10,462.8	1,111.4	1,923.5	2,221.5	0.00	0.00	0.00
10,900.0	1.24	249.96	10,562.7	1,110.7	1,921.5	2,219.4	0.00	0.00	0.00
11,000.0	1.24	249.96	10,662.7	1,110.0	1,919.5	2,217.3	0.00	0.00	0.00
11,100.0	1.24	249.96	10,762.7	1,109.2	1,917.4	2,215.1	0.00	0.00	0.00
11,200.0	1.24	249.96	10,862.7	1,108.5	1,915.4	2,213.0	0.00	0.00	0.00
11,300.0	1.24	249.96	10,962.6	1,107.7	1,913.3	2,210.8	0.00	0.00	0.00
11,400.0	1.24	249.96	11,062.6	1,107.0	1,911.3	2,208.7	0.00	0.00	0.00
11,500.0	1.24	249.96	11,162.6	1,106.2	1,909.3	2,206.6	0.00	0.00	0.00
11,600.0	1.24	249.96	11,262.6	1,105.5	1,907.2	2,204.4	0.00	0.00	0.00
11,700.0	1.24	249.96	11,362.6	1,104.7	1,905.2	2,202.3	0.00	0.00	0.00
11,800.0	1.24	249.96	11,462.5	1,104.0	1,903.1	2,200.2	0.00	0.00	0.00
11,900.0	1.24	249.96	11,562.5	1,103.3	1,901.1	2,198.0	0.00	0.00	0.00
12,000.0	1.24	249.96	11,662.5	1,102.5	1,899.0	2,195.9	0.00	0.00	0.00
Cameo									
12,055.5	1.24	249.96	11,718.0	1,102.1	1,897.9	2,194.7	0.00	0.00	0.00
12,100.0	1.24	249.96	11,762.5	1,101.8	1,897.0	2,193.7	0.00	0.00	0.00
12,200.0	1.24	249.96	11,862.4	1,101.0	1,895.0	2,191.6	0.00	0.00	0.00
12,300.0	1.24	249.96	11,962.4	1,100.3	1,892.9	2,189.5	0.00	0.00	0.00
12,400.0	1.24	249.96	12,062.4	1,099.5	1,890.9	2,187.3	0.00	0.00	0.00
12,500.0	1.24	249.96	12,162.4	1,098.8	1,888.8	2,185.2	0.00	0.00	0.00
12,600.0	1.24	249.96	12,262.3	1,098.0	1,886.8	2,183.1	0.00	0.00	0.00
12,700.0	1.24	249.96	12,362.3	1,097.3	1,884.8	2,180.9	0.00	0.00	0.00
12,800.0	1.24	249.96	12,462.3	1,096.6	1,882.7	2,178.8	0.00	0.00	0.00
Rollins									
12,801.7	1.24	249.96	12,464.0	1,096.5	1,882.7	2,178.7	0.00	0.00	0.00
12,900.0	1.24	249.96	12,562.3	1,095.8	1,880.7	2,176.6	0.00	0.00	0.00
13,000.0	1.24	249.96	12,662.2	1,095.1	1,878.6	2,174.5	0.00	0.00	0.00
TD @ 13101.8' MD / 12764.0' TVD									
13,101.8	1.24	249.96	12,764.0	1,094.3	1,876.6	2,172.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well ELU 396 6A1 FED 11C-5 396 - Slot 11C-5
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 6688.0usft (25')
Project:	Rio Blanco County, CO	MD Reference:	RKB @ 6688.0usft (25')
Site:	ELU 396 6A	North Reference:	True
Well:	ELU 396 6A1 FED 11C-5 396	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Permit #3		

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
11C-5 v2 - OHCR - plan hits target center - Point	0.00	0.00	8,120.0	1,128.6	1,970.5	14,474,271.49	2,428,257.23	39.823875	-108.194269
11C-5 v2 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,764.0	1,094.3	1,876.6	14,474,234.30	2,428,164.40	39.823781	-108.194603

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,370.9	3,247.0	Wasatch			
6,489.0	6,224.0	Wasatch G			
6,641.9	6,370.0	Fort Union			
8,456.7	8,120.0	Ohio Creek			
9,006.8	8,670.0	Williams Fork			
12,055.5	11,718.0	Cameo			
12,801.7	12,464.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
250.0	250.0	0.0	0.0	Build 3° / 100'
826.8	818.1	43.0	75.0	EOB @ 17.30° Inc. / 60.20° Azm
7,879.9	7,551.9	1,085.6	1,895.5	Drop 3° / 100'
8,456.7	8,120.0	1,128.6	1,970.5	EOD @ Vertical / Build 1.5° / 100'
8,539.7	8,203.0	1,128.3	1,969.7	EOB @ 1.24° Inc. / 249.96° Azm
13,101.8	12,764.0	1,094.3	1,876.6	TD @ 13101.8' MD / 12764.0' TVD