

Project: Garfield County, CO
Site: BJU M23A 496 Pad
Well: BJU M23A FED 13D-23 496
Wellbore: Wellbore #1
Design: Design #3
Latitude: 39.684336
Longitude: -108.140123
Ground Level: 8104.0
RKB @ 8134.0usft (30')

PROJECT DETAILS: Garfield 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 @ 8134.0usft (30')
Section (VS) Reference: Slot - 13D-23(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8134.0usft (30')
Calculation Method: Minimum Curvature

SECTION DETAILS

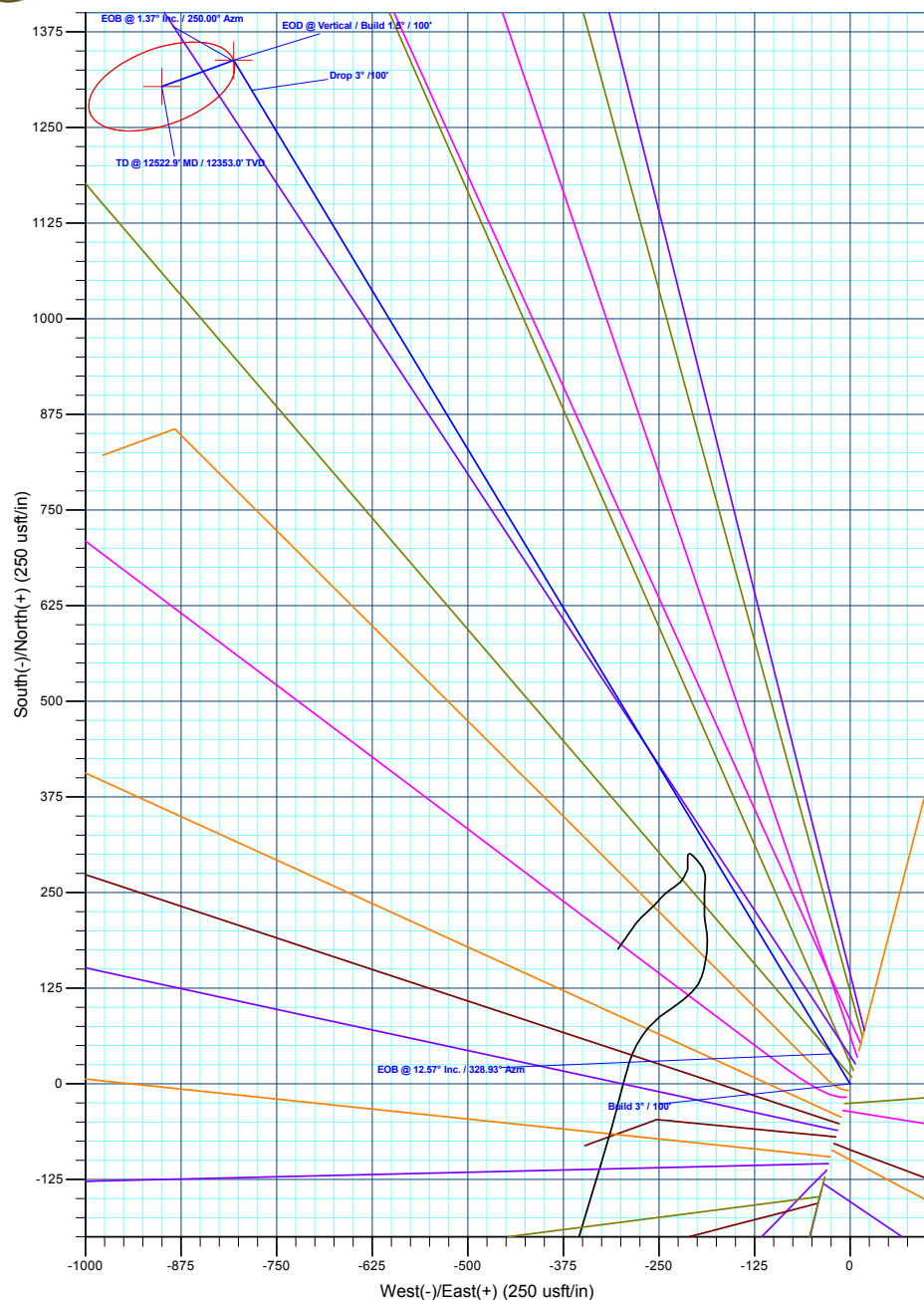
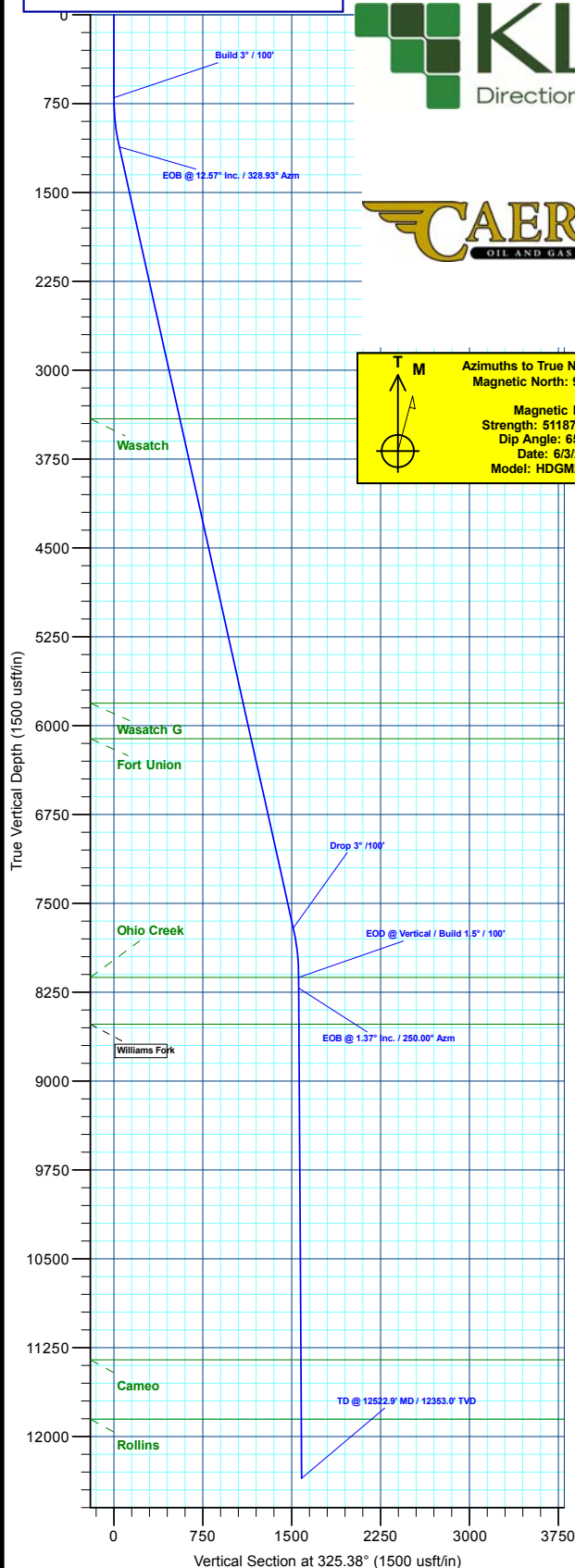
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSeet	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
1119.1	12.57	328.93	1115.7	39.2	-23.6	3.00	328.93	45.7	EOB @ 12.57° Inc. / 328.93° Azm
7873.6	12.57	328.93	7708.3	1298.5	-782.5	0.00	0.00	1513.2	Drop 3° / 100'
8292.7	0.00	0.00	8124.0	1337.8	-806.1	3.00	180.00	1558.9	EOD @ Vertical / Build 1.5° / 100'
8384.0	1.37	250.00	8215.3	1337.4	-807.1	1.50	250.00	1559.1	EOB @ 1.37° Inc. / 250.00° Azm
12522.9	1.37	250.00	12353.0	1303.6	-900.1	0.00	0.00	1584.1	TD @ 12522.9' MD / 12353.0' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 13D-23	8124.0	1337.8	-806.1	14425244.48	2444238.73	39.688007	-108.142986
PBHL - 13D-23	12353.0	1303.6	-900.1	14425207.30	2444145.90	39.687913	-108.143320

WELL DETAILS: BJU M23A FED 13D-23 496

+N/-S	+E/-W	Ground Level : 8104.0	Northing	Easting	Latitude	Longitude
0.0	0.0		14423933.10	2445087.10	39.684336	-108.140123
						13D-23



Plan: Design #3 (BJU M23A FED 13D-23 496/Wellbore #1)

Created By: Will Jircik

Date: 23:19, January 04 2023



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 13D-23 496 - Slot 13D-23

Wellbore #1

Plan: Design #3

KLX Well Planning Report

04 January, 2023



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 13D-23 496 - Slot 13D-23
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 13D-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #3		

Project	Garfield 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	BJU M23A 496 Pad		
Site Position:		Northing:	14,424,028.50 usft
From:	Map	Easting:	2,445,109.60 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.684596
		Longitude:	-108.140032
		Grid Convergence:	1.83 °

Well	BJU M23A FED 13D-23 496 - Slot 13D-23		
Well Position	+N/-S	-94.6 usft	Northing: 14,423,933.10 usft
	+E/-W	-25.5 usft	Easting: 2,445,087.10 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 39.684336
			Longitude: -108.140123
			Ground Level: 8,104.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	6/3/2020	9.43	65.82	51,187.30000000

Design	Design #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	325.38	

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	
700.0	0.00	0.00	700.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,119.1	12.57	328.93	1,115.7	39.2	-23.6	3.00	3.00	0.00	328.93	
7,873.6	12.57	328.93	7,708.3	1,298.5	-782.5	0.00	0.00	0.00	0.00	
8,292.7	0.00	0.00	8,124.0	1,337.8	-806.1	3.00	-3.00	0.00	180.00	OHCR - 13D-23
8,384.0	1.37	250.00	8,215.3	1,337.4	-807.1	1.50	1.50	-120.50	250.00	
12,522.9	1.37	250.00	12,353.0	1,303.6	-900.1	0.00	0.00	0.00	0.00	PBHL - 13D-23

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 13D-23 496 - Slot 13D-23
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 13D-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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
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
Build 3° / 100'									
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	3.00	328.93	800.0	2.2	-1.4	2.6	3.00	3.00	0.00
900.0	6.00	328.93	899.6	9.0	-5.4	10.4	3.00	3.00	0.00
1,000.0	9.00	328.93	998.8	20.1	-12.1	23.5	3.00	3.00	0.00
1,100.0	12.00	328.93	1,097.1	35.7	-21.5	41.7	3.00	3.00	0.00
EOB @ 12.57° Inc. / 328.93° Azm									
1,119.1	12.57	328.93	1,115.7	39.2	-23.6	45.7	3.00	3.00	0.00
1,200.0	12.57	328.93	1,194.7	54.3	-32.7	63.3	0.00	0.00	0.00
1,300.0	12.57	328.93	1,292.3	73.0	-44.0	85.0	0.00	0.00	0.00
1,400.0	12.57	328.93	1,389.9	91.6	-55.2	106.7	0.00	0.00	0.00
1,500.0	12.57	328.93	1,487.5	110.2	-66.4	128.5	0.00	0.00	0.00
1,600.0	12.57	328.93	1,585.1	128.9	-77.7	150.2	0.00	0.00	0.00
1,700.0	12.57	328.93	1,682.7	147.5	-88.9	171.9	0.00	0.00	0.00
1,800.0	12.57	328.93	1,780.3	166.2	-100.1	193.6	0.00	0.00	0.00
1,900.0	12.57	328.93	1,877.9	184.8	-111.4	215.4	0.00	0.00	0.00
2,000.0	12.57	328.93	1,975.5	203.5	-122.6	237.1	0.00	0.00	0.00
2,100.0	12.57	328.93	2,073.1	222.1	-133.8	258.8	0.00	0.00	0.00
2,200.0	12.57	328.93	2,170.7	240.8	-145.1	280.5	0.00	0.00	0.00
2,300.0	12.57	328.93	2,268.3	259.4	-156.3	302.3	0.00	0.00	0.00
2,400.0	12.57	328.93	2,365.9	278.0	-167.5	324.0	0.00	0.00	0.00
2,500.0	12.57	328.93	2,463.5	296.7	-178.8	345.7	0.00	0.00	0.00
2,600.0	12.57	328.93	2,561.1	315.3	-190.0	367.4	0.00	0.00	0.00
2,700.0	12.57	328.93	2,658.7	334.0	-201.2	389.2	0.00	0.00	0.00
2,800.0	12.57	328.93	2,756.3	352.6	-212.5	410.9	0.00	0.00	0.00
2,900.0	12.57	328.93	2,853.9	371.3	-223.7	432.6	0.00	0.00	0.00
3,000.0	12.57	328.93	2,951.5	389.9	-235.0	454.3	0.00	0.00	0.00
3,100.0	12.57	328.93	3,049.1	408.5	-246.2	476.1	0.00	0.00	0.00
3,200.0	12.57	328.93	3,146.7	427.2	-257.4	497.8	0.00	0.00	0.00
3,300.0	12.57	328.93	3,244.3	445.8	-268.7	519.5	0.00	0.00	0.00
3,400.0	12.57	328.93	3,342.0	464.5	-279.9	541.3	0.00	0.00	0.00
Wasatch									
3,469.7	12.57	328.93	3,410.0	477.5	-287.7	556.4	0.00	0.00	0.00
3,500.0	12.57	328.93	3,439.6	483.1	-291.1	563.0	0.00	0.00	0.00
3,600.0	12.57	328.93	3,537.2	501.8	-302.4	584.7	0.00	0.00	0.00
3,700.0	12.57	328.93	3,634.8	520.4	-313.6	606.4	0.00	0.00	0.00
3,800.0	12.57	328.93	3,732.4	539.1	-324.8	628.2	0.00	0.00	0.00
3,900.0	12.57	328.93	3,830.0	557.7	-336.1	649.9	0.00	0.00	0.00
4,000.0	12.57	328.93	3,927.6	576.3	-347.3	671.6	0.00	0.00	0.00
4,100.0	12.57	328.93	4,025.2	595.0	-358.5	693.3	0.00	0.00	0.00
4,200.0	12.57	328.93	4,122.8	613.6	-369.8	715.1	0.00	0.00	0.00
4,300.0	12.57	328.93	4,220.4	632.3	-381.0	736.8	0.00	0.00	0.00
4,400.0	12.57	328.93	4,318.0	650.9	-392.2	758.5	0.00	0.00	0.00
4,500.0	12.57	328.93	4,415.6	669.6	-403.5	780.2	0.00	0.00	0.00
4,600.0	12.57	328.93	4,513.2	688.2	-414.7	802.0	0.00	0.00	0.00
4,700.0	12.57	328.93	4,610.8	706.9	-425.9	823.7	0.00	0.00	0.00

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Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 13D-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
4,800.0	12.57	328.93	4,708.4	725.5	-437.2	845.4	0.00	0.00	0.00
4,900.0	12.57	328.93	4,806.0	744.1	-448.4	867.1	0.00	0.00	0.00
5,000.0	12.57	328.93	4,903.6	762.8	-459.6	888.9	0.00	0.00	0.00
5,100.0	12.57	328.93	5,001.2	781.4	-470.9	910.6	0.00	0.00	0.00
5,200.0	12.57	328.93	5,098.8	800.1	-482.1	932.3	0.00	0.00	0.00
5,300.0	12.57	328.93	5,196.4	818.7	-493.4	954.0	0.00	0.00	0.00
5,400.0	12.57	328.93	5,294.0	837.4	-504.6	975.8	0.00	0.00	0.00
5,500.0	12.57	328.93	5,391.6	856.0	-515.8	997.5	0.00	0.00	0.00
5,600.0	12.57	328.93	5,489.2	874.6	-527.1	1,019.2	0.00	0.00	0.00
5,700.0	12.57	328.93	5,586.8	893.3	-538.3	1,040.9	0.00	0.00	0.00
5,800.0	12.57	328.93	5,684.4	911.9	-549.5	1,062.7	0.00	0.00	0.00
5,900.0	12.57	328.93	5,782.0	930.6	-560.8	1,084.4	0.00	0.00	0.00
Wasatch G									
5,928.7	12.57	328.93	5,810.0	935.9	-564.0	1,090.6	0.00	0.00	0.00
6,000.0	12.57	328.93	5,879.6	949.2	-572.0	1,106.1	0.00	0.00	0.00
6,100.0	12.57	328.93	5,977.2	967.9	-583.2	1,127.8	0.00	0.00	0.00
6,200.0	12.57	328.93	6,074.8	986.5	-594.5	1,149.6	0.00	0.00	0.00
Fort Union									
6,236.1	12.57	328.93	6,110.0	993.2	-598.5	1,157.4	0.00	0.00	0.00
6,300.0	12.57	328.93	6,172.4	1,005.2	-605.7	1,171.3	0.00	0.00	0.00
6,400.0	12.57	328.93	6,270.0	1,023.8	-616.9	1,193.0	0.00	0.00	0.00
6,500.0	12.57	328.93	6,367.6	1,042.4	-628.2	1,214.7	0.00	0.00	0.00
6,600.0	12.57	328.93	6,465.2	1,061.1	-639.4	1,236.5	0.00	0.00	0.00
6,700.0	12.57	328.93	6,562.8	1,079.7	-650.6	1,258.2	0.00	0.00	0.00
6,800.0	12.57	328.93	6,660.4	1,098.4	-661.9	1,279.9	0.00	0.00	0.00
6,900.0	12.57	328.93	6,758.0	1,117.0	-673.1	1,301.6	0.00	0.00	0.00
7,000.0	12.57	328.93	6,855.6	1,135.7	-684.3	1,323.4	0.00	0.00	0.00
7,100.0	12.57	328.93	6,953.2	1,154.3	-695.6	1,345.1	0.00	0.00	0.00
7,200.0	12.57	328.93	7,050.8	1,173.0	-706.8	1,366.8	0.00	0.00	0.00
7,300.0	12.57	328.93	7,148.4	1,191.6	-718.0	1,388.5	0.00	0.00	0.00
7,400.0	12.57	328.93	7,246.0	1,210.2	-729.3	1,410.3	0.00	0.00	0.00
7,500.0	12.57	328.93	7,343.6	1,228.9	-740.5	1,432.0	0.00	0.00	0.00
7,600.0	12.57	328.93	7,441.2	1,247.5	-751.8	1,453.7	0.00	0.00	0.00
7,700.0	12.57	328.93	7,538.8	1,266.2	-763.0	1,475.5	0.00	0.00	0.00
7,800.0	12.57	328.93	7,636.4	1,284.8	-774.2	1,497.2	0.00	0.00	0.00
Drop 3° /100'									
7,873.6	12.57	328.93	7,708.3	1,298.5	-782.5	1,513.2	0.00	0.00	0.00
7,900.0	11.78	328.93	7,734.1	1,303.3	-785.4	1,518.7	3.00	-3.00	0.00
8,000.0	8.78	328.93	7,832.5	1,318.6	-794.6	1,536.5	3.00	-3.00	0.00
8,100.0	5.78	328.93	7,931.7	1,329.4	-801.1	1,549.2	3.00	-3.00	0.00
8,200.0	2.78	328.93	8,031.4	1,335.8	-805.0	1,556.6	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,292.7	0.00	0.00	8,124.0	1,337.8	-806.1	1,558.9	3.00	-3.00	0.00
8,300.0	0.11	250.00	8,131.3	1,337.8	-806.1	1,558.9	1.50	1.50	0.00
EOB @ 1.37° Inc. / 250.00° Azm									
8,384.0	1.37	250.00	8,215.3	1,337.4	-807.1	1,559.1	1.50	1.50	0.00
8,400.0	1.37	250.00	8,231.3	1,337.3	-807.5	1,559.2	0.00	0.00	0.00
8,500.0	1.37	250.00	8,331.3	1,336.4	-809.8	1,559.8	0.00	0.00	0.00
8,600.0	1.37	250.00	8,431.3	1,335.6	-812.0	1,560.5	0.00	0.00	0.00
Williams Fork									
8,688.8	1.37	250.00	8,520.0	1,334.9	-814.0	1,561.0	0.00	0.00	0.00
8,700.0	1.37	250.00	8,531.2	1,334.8	-814.2	1,561.1	0.00	0.00	0.00

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Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 13D-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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)
8,800.0	1.37	250.00	8,631.2	1,334.0	-816.5	1,561.7	0.00	0.00	0.00
8,900.0	1.37	250.00	8,731.2	1,333.2	-818.7	1,562.3	0.00	0.00	0.00
9,000.0	1.37	250.00	8,831.1	1,332.4	-821.0	1,562.9	0.00	0.00	0.00
9,100.0	1.37	250.00	8,931.1	1,331.5	-823.2	1,563.5	0.00	0.00	0.00
9,200.0	1.37	250.00	9,031.1	1,330.7	-825.5	1,564.1	0.00	0.00	0.00
9,300.0	1.37	250.00	9,131.1	1,329.9	-827.7	1,564.7	0.00	0.00	0.00
9,400.0	1.37	250.00	9,231.0	1,329.1	-830.0	1,565.3	0.00	0.00	0.00
9,500.0	1.37	250.00	9,331.0	1,328.3	-832.2	1,565.9	0.00	0.00	0.00
9,600.0	1.37	250.00	9,431.0	1,327.5	-834.5	1,566.5	0.00	0.00	0.00
9,700.0	1.37	250.00	9,530.9	1,326.6	-836.7	1,567.1	0.00	0.00	0.00
9,800.0	1.37	250.00	9,630.9	1,325.8	-838.9	1,567.7	0.00	0.00	0.00
9,900.0	1.37	250.00	9,730.9	1,325.0	-841.2	1,568.3	0.00	0.00	0.00
10,000.0	1.37	250.00	9,830.9	1,324.2	-843.4	1,568.9	0.00	0.00	0.00
10,100.0	1.37	250.00	9,930.8	1,323.4	-845.7	1,569.5	0.00	0.00	0.00
10,200.0	1.37	250.00	10,030.8	1,322.5	-847.9	1,570.1	0.00	0.00	0.00
10,300.0	1.37	250.00	10,130.8	1,321.7	-850.2	1,570.7	0.00	0.00	0.00
10,400.0	1.37	250.00	10,230.7	1,320.9	-852.4	1,571.3	0.00	0.00	0.00
10,500.0	1.37	250.00	10,330.7	1,320.1	-854.7	1,571.9	0.00	0.00	0.00
10,600.0	1.37	250.00	10,430.7	1,319.3	-856.9	1,572.5	0.00	0.00	0.00
10,700.0	1.37	250.00	10,530.7	1,318.5	-859.2	1,573.1	0.00	0.00	0.00
10,800.0	1.37	250.00	10,630.6	1,317.6	-861.4	1,573.7	0.00	0.00	0.00
10,900.0	1.37	250.00	10,730.6	1,316.8	-863.6	1,574.3	0.00	0.00	0.00
11,000.0	1.37	250.00	10,830.6	1,316.0	-865.9	1,574.9	0.00	0.00	0.00
11,100.0	1.37	250.00	10,930.5	1,315.2	-868.1	1,575.5	0.00	0.00	0.00
11,200.0	1.37	250.00	11,030.5	1,314.4	-870.4	1,576.1	0.00	0.00	0.00
11,300.0	1.37	250.00	11,130.5	1,313.6	-872.6	1,576.7	0.00	0.00	0.00
11,400.0	1.37	250.00	11,230.5	1,312.7	-874.9	1,577.3	0.00	0.00	0.00
11,500.0	1.37	250.00	11,330.4	1,311.9	-877.1	1,578.0	0.00	0.00	0.00
Cameo									
11,522.6	1.37	250.00	11,353.0	1,311.7	-877.6	1,578.1	0.00	0.00	0.00
11,600.0	1.37	250.00	11,430.4	1,311.1	-879.4	1,578.6	0.00	0.00	0.00
11,700.0	1.37	250.00	11,530.4	1,310.3	-881.6	1,579.2	0.00	0.00	0.00
11,800.0	1.37	250.00	11,630.3	1,309.5	-883.9	1,579.8	0.00	0.00	0.00
11,900.0	1.37	250.00	11,730.3	1,308.7	-886.1	1,580.4	0.00	0.00	0.00
12,000.0	1.37	250.00	11,830.3	1,307.8	-888.4	1,581.0	0.00	0.00	0.00
Rollins									
12,022.7	1.37	250.00	11,853.0	1,307.7	-888.9	1,581.1	0.00	0.00	0.00
12,100.0	1.37	250.00	11,930.3	1,307.0	-890.6	1,581.6	0.00	0.00	0.00
12,200.0	1.37	250.00	12,030.2	1,306.2	-892.8	1,582.2	0.00	0.00	0.00
12,300.0	1.37	250.00	12,130.2	1,305.4	-895.1	1,582.8	0.00	0.00	0.00
12,400.0	1.37	250.00	12,230.2	1,304.6	-897.3	1,583.4	0.00	0.00	0.00
12,500.0	1.37	250.00	12,330.1	1,303.7	-899.6	1,584.0	0.00	0.00	0.00
TD @ 12522.9' MD / 12353.0' TVD									
12,522.9	1.37	250.00	12,353.0	1,303.6	-900.1	1,584.1	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 13D-23 496 - Slot 13D-23
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 13D-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #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
OHCR - 13D-23 - plan hits target center - Point	0.00	0.00	8,124.0	1,337.8	-806.1	14,425,244.48	2,444,238.73	39.688007	-108.142986
PBHL - 13D-23 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,353.0	1,303.6	-900.1	14,425,207.30	2,444,145.90	39.687913	-108.143320

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,469.7	3,410.0	Wasatch			
5,928.7	5,810.0	Wasatch G			
6,236.1	6,110.0	Fort Union			
8,292.7	8,124.0	Ohio Creek			
8,688.8	8,520.0	Williams Fork			
11,522.6	11,353.0	Cameo			
12,022.7	11,853.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
700.0	700.0	0.0	0.0	Build 3° / 100'
1,119.1	1,115.7	39.2	-23.6	EOB @ 12.57° Inc. / 328.93° Azm
7,873.6	7,708.3	1,298.5	-782.5	Drop 3° / 100'
8,292.7	8,124.0	1,337.8	-806.1	EOD @ Vertical / Build 1.5° / 100'
8,384.0	8,215.3	1,337.4	-807.1	EOB @ 1.37° Inc. / 250.00° Azm
12,522.9	12,353.0	1,303.6	-900.1	TD @ 12522.9' MD / 12353.0' TVD