

Project: Garfield County, CO
 Site: BJU M23A 496 Pad
 Well: BJU M23A FED 25C-23 496
 Wellbore: Wellbore #1
 Design: Design #3
 Latitude: 39.684098
 Longitude: -108.140206
 Ground Level: 8104.0
 WELL @ 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: WELL @ 8134.0usft (30')
 Section (VS) Reference: Slot - 25C-23(0.0N, 0.0E)
 Measured Depth Reference: WELL @ 8134.0usft (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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
884.8	16.05	117.85	877.9	-34.8	65.8	3.00	117.85	74.4	EOB @ 16.04° Inc. / 117.85° Azm
7823.4	16.05	117.85	7546.1	-930.6	1761.5	0.00	0.00	1990.8	Drop 3° / 100'
8358.2	0.00	0.00	8074.0	-965.4	1827.3	3.00	180.00	2065.2	EOD @ Vertical / Build 1.5° / 100'
8448.3	1.35	250.00	8164.1	-965.7	1826.3	1.50	250.00	2064.5	EOB @ 1.35° Inc. / 250.00° Azm
12643.4	1.35	250.00	12358.0	-999.6	1733.3	0.00	0.00	2000.9	TD @ 12643.4° MD / 12358.0° TVD

FORMATION TOP DETAILS

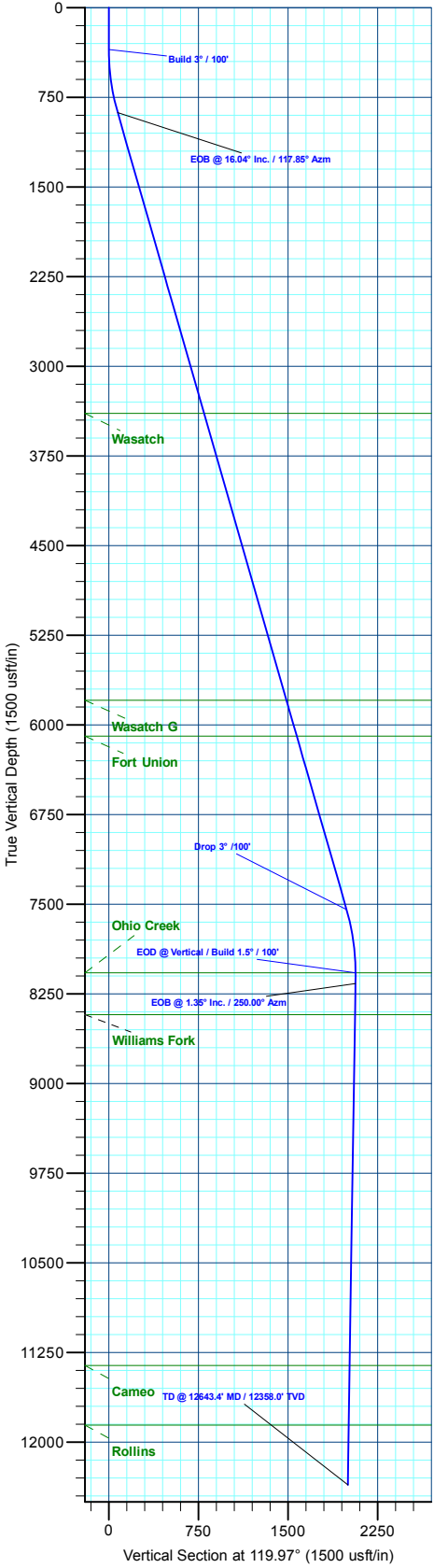
TVDPath	MDPath	Formation
3394.0	3503.0	Wasatch
5794.0	6000.2	Wasatch G
6094.0	6312.4	Fort Union
8074.0	8358.2	Ohio Creek
8424.0	8708.3	Williams Fork
11358.0	11643.1	Cameo
11858.0	12143.3	Rollins

DESIGN TARGET DETAILS

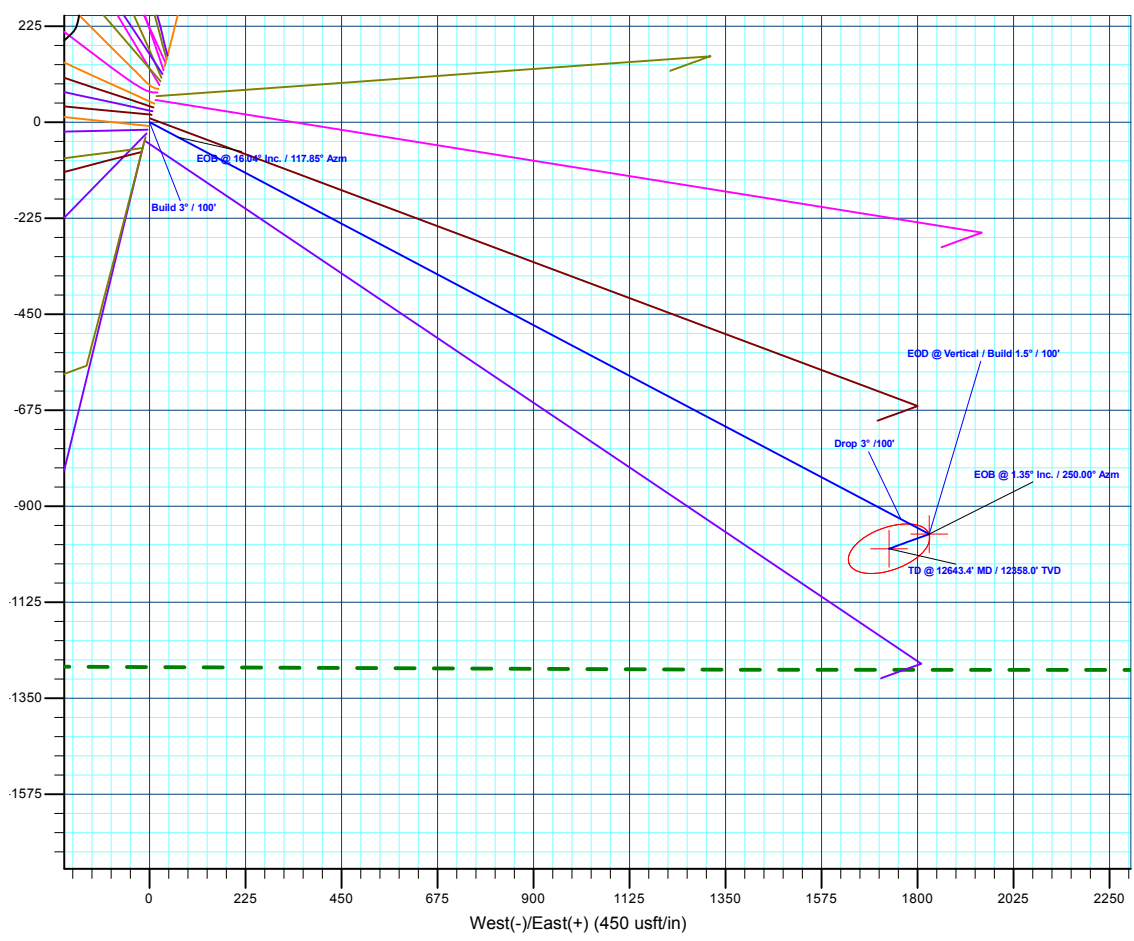
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
OHCR - 25C-23	8074.0	-965.4	1827.3	14422938.98	2446923.43	39.681448	-108.133717
PBHL - 25C-23	12358.0	-999.6	1733.3	14422901.80	2446830.60	39.681354	-108.134050

WELL DETAILS: BJU M23A FED 25C-23 496

+N-S	+E-W	Ground Level : 8104.0	Northing	Easting	Latitude	Longitude	25C-23
0.0	0.0		14423845.60	2445066.30	39.684098	-108.140206	



T M
 Azimuths to True North
 Magnetic North: 9.43°
 Magnetic Field
 Strength: 51187.3nT
 Dip Angle: 65.82°
 Date: 6/3/2020
 Model: HDGM2020



Plan: Design #3 (BJU M23A FED 25C-23 496/Wellbore #1)
 Created By: Will Jircik Date: 9:44, January 05 2023



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 25C-23 496 - Slot 25C-23

Wellbore #1

Plan: Design #3

KLX Well Planning Report

05 January, 2023



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 25C-23 496 - Slot 25C-23
Company:	Caerus Oil & Gas	TVD Reference:	WELL @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	WELL @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 25C-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	Latitude: 39.684596
From: Map	Easting:	2,445,109.60 usft	Longitude: -108.140032
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16 "		Grid Convergence: 1.83 °

Well	BJU M23A FED 25C-23 496 - Slot 25C-23		
Well Position	+N/-S -181.4 usft	Northing: 14,423,845.60 usft	Latitude: 39.684098
	+E/-W -49.1 usft	Easting: 2,445,066.30 usft	Longitude: -108.140207
Position Uncertainty	0.0 usft	Wellhead Elevation:	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	119.97

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		
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00		
884.8	16.05	117.85	877.9	-34.8	65.8	3.00	3.00	0.00	117.85		
7,823.4	16.05	117.85	7,546.1	-930.6	1,761.5	0.00	0.00	0.00	0.00		
8,358.2	0.00	0.00	8,074.0	-965.4	1,827.3	3.00	-3.00	0.00	180.00	OHCR - 25C-23	
8,448.3	1.35	250.00	8,164.1	-965.7	1,826.3	1.50	1.50	-122.10	250.00		
12,643.4	1.35	250.00	12,358.0	-999.6	1,733.3	0.00	0.00	0.00	0.00	PBHL - 25C-23	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 25C-23 496 - Slot 25C-23
Company:	Caerus Oil & Gas	TVD Reference:	WELL @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	WELL @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 25C-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
Build 3° / 100'									
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	117.85	400.0	-0.3	0.6	0.7	3.00	3.00	0.00
500.0	4.50	117.85	499.8	-2.8	5.2	5.9	3.00	3.00	0.00
600.0	7.50	117.85	599.3	-7.6	14.4	16.3	3.00	3.00	0.00
700.0	10.50	117.85	698.0	-14.9	28.3	32.0	3.00	3.00	0.00
800.0	13.50	117.85	795.8	-24.7	46.7	52.7	3.00	3.00	0.00
EOB @ 16.04° Inc. / 117.85° Azm									
884.8	16.05	117.85	877.9	-34.8	65.8	74.4	3.00	3.00	0.00
900.0	16.05	117.85	892.4	-36.7	69.5	78.5	0.00	0.00	0.00
1,000.0	16.05	117.85	988.6	-49.6	93.9	106.2	0.00	0.00	0.00
1,100.0	16.05	117.85	1,084.7	-62.5	118.4	133.8	0.00	0.00	0.00
1,200.0	16.05	117.85	1,180.8	-75.4	142.8	161.4	0.00	0.00	0.00
1,300.0	16.05	117.85	1,276.9	-88.4	167.2	189.0	0.00	0.00	0.00
1,400.0	16.05	117.85	1,373.0	-101.3	191.7	216.6	0.00	0.00	0.00
1,500.0	16.05	117.85	1,469.1	-114.2	216.1	244.3	0.00	0.00	0.00
1,600.0	16.05	117.85	1,565.2	-127.1	240.6	271.9	0.00	0.00	0.00
1,700.0	16.05	117.85	1,661.3	-140.0	265.0	299.5	0.00	0.00	0.00
1,800.0	16.05	117.85	1,757.4	-152.9	289.4	327.1	0.00	0.00	0.00
1,900.0	16.05	117.85	1,853.5	-165.8	313.9	354.7	0.00	0.00	0.00
2,000.0	16.05	117.85	1,949.6	-178.7	338.3	382.4	0.00	0.00	0.00
2,100.0	16.05	117.85	2,045.7	-191.6	362.8	410.0	0.00	0.00	0.00
2,200.0	16.05	117.85	2,141.8	-204.6	387.2	437.6	0.00	0.00	0.00
2,300.0	16.05	117.85	2,237.9	-217.5	411.6	465.2	0.00	0.00	0.00
2,400.0	16.05	117.85	2,334.0	-230.4	436.1	492.9	0.00	0.00	0.00
2,500.0	16.05	117.85	2,430.1	-243.3	460.5	520.5	0.00	0.00	0.00
2,600.0	16.05	117.85	2,526.2	-256.2	485.0	548.1	0.00	0.00	0.00
2,700.0	16.05	117.85	2,622.3	-269.1	509.4	575.7	0.00	0.00	0.00
2,800.0	16.05	117.85	2,718.4	-282.0	533.8	603.3	0.00	0.00	0.00
2,900.0	16.05	117.85	2,814.5	-294.9	558.3	631.0	0.00	0.00	0.00
3,000.0	16.05	117.85	2,910.6	-307.9	582.7	658.6	0.00	0.00	0.00
3,100.0	16.05	117.85	3,006.7	-320.8	607.1	686.2	0.00	0.00	0.00
3,200.0	16.05	117.85	3,102.8	-333.7	631.6	713.8	0.00	0.00	0.00
3,300.0	16.05	117.85	3,198.9	-346.6	656.0	741.4	0.00	0.00	0.00
3,400.0	16.05	117.85	3,295.1	-359.5	680.5	769.1	0.00	0.00	0.00
3,500.0	16.05	117.85	3,391.2	-372.4	704.9	796.7	0.00	0.00	0.00
Wasatch									
3,503.0	16.05	117.85	3,394.0	-372.8	705.6	797.5	0.00	0.00	0.00
3,600.0	16.05	117.85	3,487.3	-385.3	729.3	824.3	0.00	0.00	0.00
3,700.0	16.05	117.85	3,583.4	-398.2	753.8	851.9	0.00	0.00	0.00
3,800.0	16.05	117.85	3,679.5	-411.1	778.2	879.5	0.00	0.00	0.00
3,900.0	16.05	117.85	3,775.6	-424.1	802.7	907.2	0.00	0.00	0.00
4,000.0	16.05	117.85	3,871.7	-437.0	827.1	934.8	0.00	0.00	0.00
4,100.0	16.05	117.85	3,967.8	-449.9	851.5	962.4	0.00	0.00	0.00
4,200.0	16.05	117.85	4,063.9	-462.8	876.0	990.0	0.00	0.00	0.00
4,300.0	16.05	117.85	4,160.0	-475.7	900.4	1,017.6	0.00	0.00	0.00
4,400.0	16.05	117.85	4,256.1	-488.6	924.9	1,045.3	0.00	0.00	0.00
4,500.0	16.05	117.85	4,352.2	-501.5	949.3	1,072.9	0.00	0.00	0.00
4,600.0	16.05	117.85	4,448.3	-514.4	973.7	1,100.5	0.00	0.00	0.00

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Company:	Caerus Oil & Gas	TVD Reference:	WELL @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	WELL @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 25C-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)
4,700.0	16.05	117.85	4,544.4	-527.3	998.2	1,128.1	0.00	0.00	0.00
4,800.0	16.05	117.85	4,640.5	-540.3	1,022.6	1,155.8	0.00	0.00	0.00
4,900.0	16.05	117.85	4,736.6	-553.2	1,047.0	1,183.4	0.00	0.00	0.00
5,000.0	16.05	117.85	4,832.7	-566.1	1,071.5	1,211.0	0.00	0.00	0.00
5,100.0	16.05	117.85	4,928.8	-579.0	1,095.9	1,238.6	0.00	0.00	0.00
5,200.0	16.05	117.85	5,024.9	-591.9	1,120.4	1,266.2	0.00	0.00	0.00
5,300.0	16.05	117.85	5,121.0	-604.8	1,144.8	1,293.9	0.00	0.00	0.00
5,400.0	16.05	117.85	5,217.1	-617.7	1,169.2	1,321.5	0.00	0.00	0.00
5,500.0	16.05	117.85	5,313.2	-630.6	1,193.7	1,349.1	0.00	0.00	0.00
5,600.0	16.05	117.85	5,409.3	-643.5	1,218.1	1,376.7	0.00	0.00	0.00
5,700.0	16.05	117.85	5,505.5	-656.5	1,242.6	1,404.3	0.00	0.00	0.00
5,800.0	16.05	117.85	5,601.6	-669.4	1,267.0	1,432.0	0.00	0.00	0.00
5,900.0	16.05	117.85	5,697.7	-682.3	1,291.4	1,459.6	0.00	0.00	0.00
6,000.0	16.05	117.85	5,793.8	-695.2	1,315.9	1,487.2	0.00	0.00	0.00
Wasatch G									
6,000.2	16.05	117.85	5,794.0	-695.2	1,315.9	1,487.3	0.00	0.00	0.00
6,100.0	16.05	117.85	5,889.9	-708.1	1,340.3	1,514.8	0.00	0.00	0.00
6,200.0	16.05	117.85	5,986.0	-721.0	1,364.8	1,542.4	0.00	0.00	0.00
6,300.0	16.05	117.85	6,082.1	-733.9	1,389.2	1,570.1	0.00	0.00	0.00
Fort Union									
6,312.4	16.05	117.85	6,094.0	-735.5	1,392.2	1,573.5	0.00	0.00	0.00
6,400.0	16.05	117.85	6,178.2	-746.8	1,413.6	1,597.7	0.00	0.00	0.00
6,500.0	16.05	117.85	6,274.3	-759.7	1,438.1	1,625.3	0.00	0.00	0.00
6,600.0	16.05	117.85	6,370.4	-772.7	1,462.5	1,652.9	0.00	0.00	0.00
6,700.0	16.05	117.85	6,466.5	-785.6	1,486.9	1,680.6	0.00	0.00	0.00
6,800.0	16.05	117.85	6,562.6	-798.5	1,511.4	1,708.2	0.00	0.00	0.00
6,900.0	16.05	117.85	6,658.7	-811.4	1,535.8	1,735.8	0.00	0.00	0.00
7,000.0	16.05	117.85	6,754.8	-824.3	1,560.3	1,763.4	0.00	0.00	0.00
7,100.0	16.05	117.85	6,850.9	-837.2	1,584.7	1,791.0	0.00	0.00	0.00
7,200.0	16.05	117.85	6,947.0	-850.1	1,609.1	1,818.7	0.00	0.00	0.00
7,300.0	16.05	117.85	7,043.1	-863.0	1,633.6	1,846.3	0.00	0.00	0.00
7,400.0	16.05	117.85	7,139.2	-876.0	1,658.0	1,873.9	0.00	0.00	0.00
7,500.0	16.05	117.85	7,235.3	-888.9	1,682.5	1,901.5	0.00	0.00	0.00
7,600.0	16.05	117.85	7,331.4	-901.8	1,706.9	1,929.1	0.00	0.00	0.00
7,700.0	16.05	117.85	7,427.5	-914.7	1,731.3	1,956.8	0.00	0.00	0.00
7,800.0	16.05	117.85	7,523.6	-927.6	1,755.8	1,984.4	0.00	0.00	0.00
Drop 3° /100'									
7,823.4	16.05	117.85	7,546.1	-930.6	1,761.5	1,990.8	0.00	0.00	0.00
7,900.0	13.75	117.85	7,620.2	-939.8	1,778.9	2,010.5	3.00	-3.00	0.00
8,000.0	10.75	117.85	7,717.9	-949.7	1,797.7	2,031.7	3.00	-3.00	0.00
8,100.0	7.75	117.85	7,816.6	-957.2	1,811.9	2,047.8	3.00	-3.00	0.00
8,200.0	4.75	117.85	7,915.9	-962.3	1,821.5	2,058.6	3.00	-3.00	0.00
8,300.0	1.75	117.85	8,015.8	-965.0	1,826.5	2,064.3	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,358.2	0.00	0.00	8,074.0	-965.4	1,827.3	2,065.2	3.00	-3.00	0.00
8,400.0	0.63	250.00	8,115.8	-965.5	1,827.1	2,065.0	1.50	1.50	0.00
EOB @ 1.35° Inc. / 250.00° Azm									
8,448.3	1.35	250.00	8,164.1	-965.7	1,826.3	2,064.5	1.50	1.50	0.00
8,500.0	1.35	250.00	8,215.7	-966.2	1,825.1	2,063.7	0.00	0.00	0.00
8,600.0	1.35	250.00	8,315.7	-967.0	1,822.9	2,062.2	0.00	0.00	0.00
8,700.0	1.35	250.00	8,415.7	-967.8	1,820.7	2,060.7	0.00	0.00	0.00
Williams Fork									

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Project:	Garfield County, CO	MD Reference:	WELL @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 25C-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)
8,708.3	1.35	250.00	8,424.0	-967.8	1,820.5	2,060.6	0.00	0.00	0.00
8,800.0	1.35	250.00	8,515.7	-968.6	1,818.5	2,059.2	0.00	0.00	0.00
8,900.0	1.35	250.00	8,615.6	-969.4	1,816.3	2,057.7	0.00	0.00	0.00
9,000.0	1.35	250.00	8,715.6	-970.2	1,814.1	2,056.1	0.00	0.00	0.00
9,100.0	1.35	250.00	8,815.6	-971.0	1,811.8	2,054.6	0.00	0.00	0.00
9,200.0	1.35	250.00	8,915.5	-971.8	1,809.6	2,053.1	0.00	0.00	0.00
9,300.0	1.35	250.00	9,015.5	-972.6	1,807.4	2,051.6	0.00	0.00	0.00
9,400.0	1.35	250.00	9,115.5	-973.4	1,805.2	2,050.1	0.00	0.00	0.00
9,500.0	1.35	250.00	9,215.5	-974.2	1,803.0	2,048.6	0.00	0.00	0.00
9,600.0	1.35	250.00	9,315.4	-975.0	1,800.8	2,047.0	0.00	0.00	0.00
9,700.0	1.35	250.00	9,415.4	-975.8	1,798.5	2,045.5	0.00	0.00	0.00
9,800.0	1.35	250.00	9,515.4	-976.6	1,796.3	2,044.0	0.00	0.00	0.00
9,900.0	1.35	250.00	9,615.4	-977.4	1,794.1	2,042.5	0.00	0.00	0.00
10,000.0	1.35	250.00	9,715.3	-978.3	1,791.9	2,041.0	0.00	0.00	0.00
10,100.0	1.35	250.00	9,815.3	-979.1	1,789.7	2,039.5	0.00	0.00	0.00
10,200.0	1.35	250.00	9,915.3	-979.9	1,787.5	2,037.9	0.00	0.00	0.00
10,300.0	1.35	250.00	10,015.2	-980.7	1,785.2	2,036.4	0.00	0.00	0.00
10,400.0	1.35	250.00	10,115.2	-981.5	1,783.0	2,034.9	0.00	0.00	0.00
10,500.0	1.35	250.00	10,215.2	-982.3	1,780.8	2,033.4	0.00	0.00	0.00
10,600.0	1.35	250.00	10,315.2	-983.1	1,778.6	2,031.9	0.00	0.00	0.00
10,700.0	1.35	250.00	10,415.1	-983.9	1,776.4	2,030.4	0.00	0.00	0.00
10,800.0	1.35	250.00	10,515.1	-984.7	1,774.2	2,028.8	0.00	0.00	0.00
10,900.0	1.35	250.00	10,615.1	-985.5	1,771.9	2,027.3	0.00	0.00	0.00
11,000.0	1.35	250.00	10,715.0	-986.3	1,769.7	2,025.8	0.00	0.00	0.00
11,100.0	1.35	250.00	10,815.0	-987.1	1,767.5	2,024.3	0.00	0.00	0.00
11,200.0	1.35	250.00	10,915.0	-987.9	1,765.3	2,022.8	0.00	0.00	0.00
11,300.0	1.35	250.00	11,015.0	-988.7	1,763.1	2,021.3	0.00	0.00	0.00
11,400.0	1.35	250.00	11,114.9	-989.5	1,760.9	2,019.7	0.00	0.00	0.00
11,500.0	1.35	250.00	11,214.9	-990.4	1,758.7	2,018.2	0.00	0.00	0.00
11,600.0	1.35	250.00	11,314.9	-991.2	1,756.4	2,016.7	0.00	0.00	0.00
Cameo									
11,643.1	1.35	250.00	11,358.0	-991.5	1,755.5	2,016.1	0.00	0.00	0.00
11,700.0	1.35	250.00	11,414.9	-992.0	1,754.2	2,015.2	0.00	0.00	0.00
11,800.0	1.35	250.00	11,514.8	-992.8	1,752.0	2,013.7	0.00	0.00	0.00
11,900.0	1.35	250.00	11,614.8	-993.6	1,749.8	2,012.2	0.00	0.00	0.00
12,000.0	1.35	250.00	11,714.8	-994.4	1,747.6	2,010.6	0.00	0.00	0.00
12,100.0	1.35	250.00	11,814.7	-995.2	1,745.4	2,009.1	0.00	0.00	0.00
Rollins									
12,143.3	1.35	250.00	11,858.0	-995.5	1,744.4	2,008.5	0.00	0.00	0.00
12,200.0	1.35	250.00	11,914.7	-996.0	1,743.1	2,007.6	0.00	0.00	0.00
12,300.0	1.35	250.00	12,014.7	-996.8	1,740.9	2,006.1	0.00	0.00	0.00
12,400.0	1.35	250.00	12,114.7	-997.6	1,738.7	2,004.6	0.00	0.00	0.00
12,500.0	1.35	250.00	12,214.6	-998.4	1,736.5	2,003.1	0.00	0.00	0.00
12,600.0	1.35	250.00	12,314.6	-999.2	1,734.3	2,001.5	0.00	0.00	0.00
TD @ 12643.4' MD / 12358.0' TVD									
12,643.4	1.35	250.00	12,358.0	-999.6	1,733.3	2,000.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 25C-23 496 - Slot 25C-23
Company:	Caerus Oil & Gas	TVD Reference:	WELL @ 8134.0usft (30')
Project:	Garfield County, CO	MD Reference:	WELL @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 25C-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 - 25C-23 - plan hits target center - Point	0.00	0.00	8,074.0	-965.4	1,827.3	14,422,938.98	2,446,923.43	39.681448	-108.133717
PBHL - 25C-23 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,358.0	-999.6	1,733.3	14,422,901.80	2,446,830.60	39.681355	-108.134051

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,503.0	3,394.0	Wasatch			
6,000.2	5,794.0	Wasatch G			
6,312.4	6,094.0	Fort Union			
8,358.2	8,074.0	Ohio Creek			
8,708.3	8,424.0	Williams Fork			
11,643.1	11,358.0	Cameo			
12,143.3	11,858.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
350.0	350.0	0.0	0.0	Build 3° / 100'
884.8	877.9	-34.8	65.8	EOB @ 16.04° Inc. / 117.85° Azm
7,823.4	7,546.1	-930.6	1,761.5	Drop 3° /100'
8,358.2	8,074.0	-965.4	1,827.3	EOD @ Vertical / Build 1.5° / 100'
8,448.3	8,164.1	-965.7	1,826.3	EOB @ 1.35° Inc. / 250.00° Azm
12,643.4	12,358.0	-999.6	1,733.3	TD @ 12643.4' MD / 12358.0' TVD