

Project: Garfield County, CO
Site: BJU M23A 496 Pad
Well: BJU M23A FED 24B-22 496
Wellbore: Wellbore #1
Design: Design #2
Latitude: 39.684169
Longitude: -108.140181
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

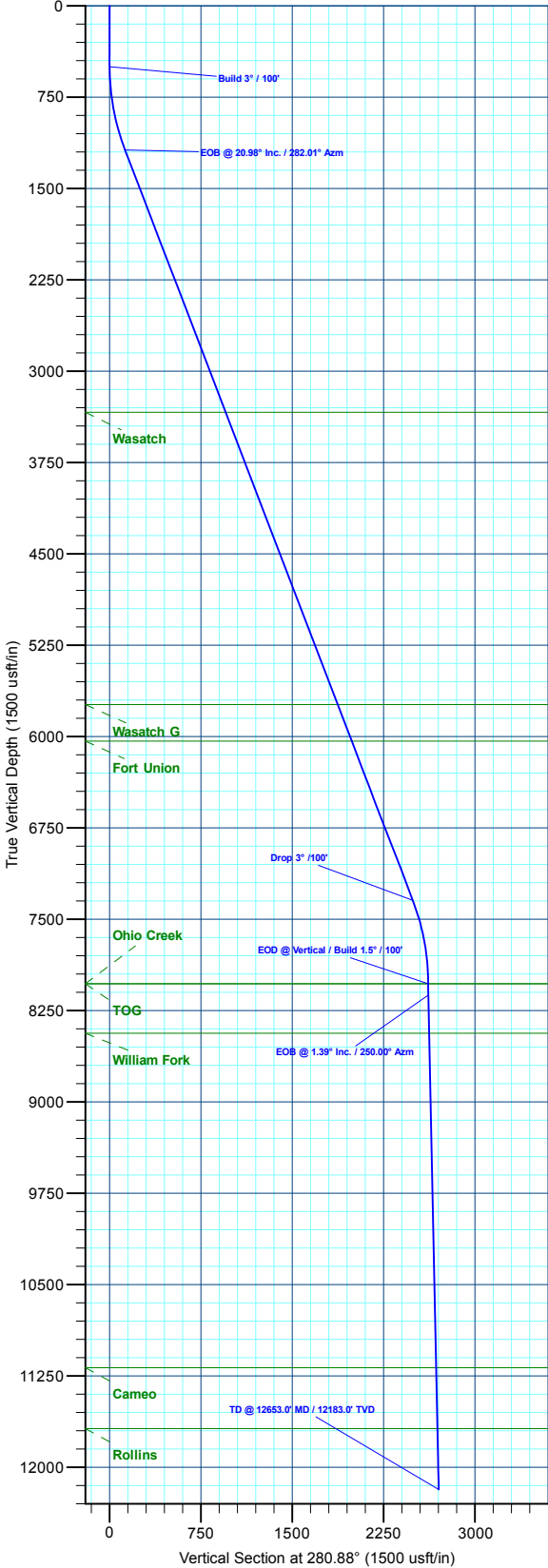
REFERENCE INFORMATION
Vertical (TVD) Reference: RKB @ 8134.0usft (30')
Section (VS) Reference: Slot - 24B-22(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8134.0usft (30')
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
3338.0	3506.5	Wasatch
5738.0	6077.0	Wasatch G
6038.0	6398.3	Fort Union
8030.0	8498.8	Ohio Creek
8030.0	8498.8	TOG
8436.0	8904.9	William Fork
11183.0	11652.7	Cameo
11683.0	12152.9	Rollins

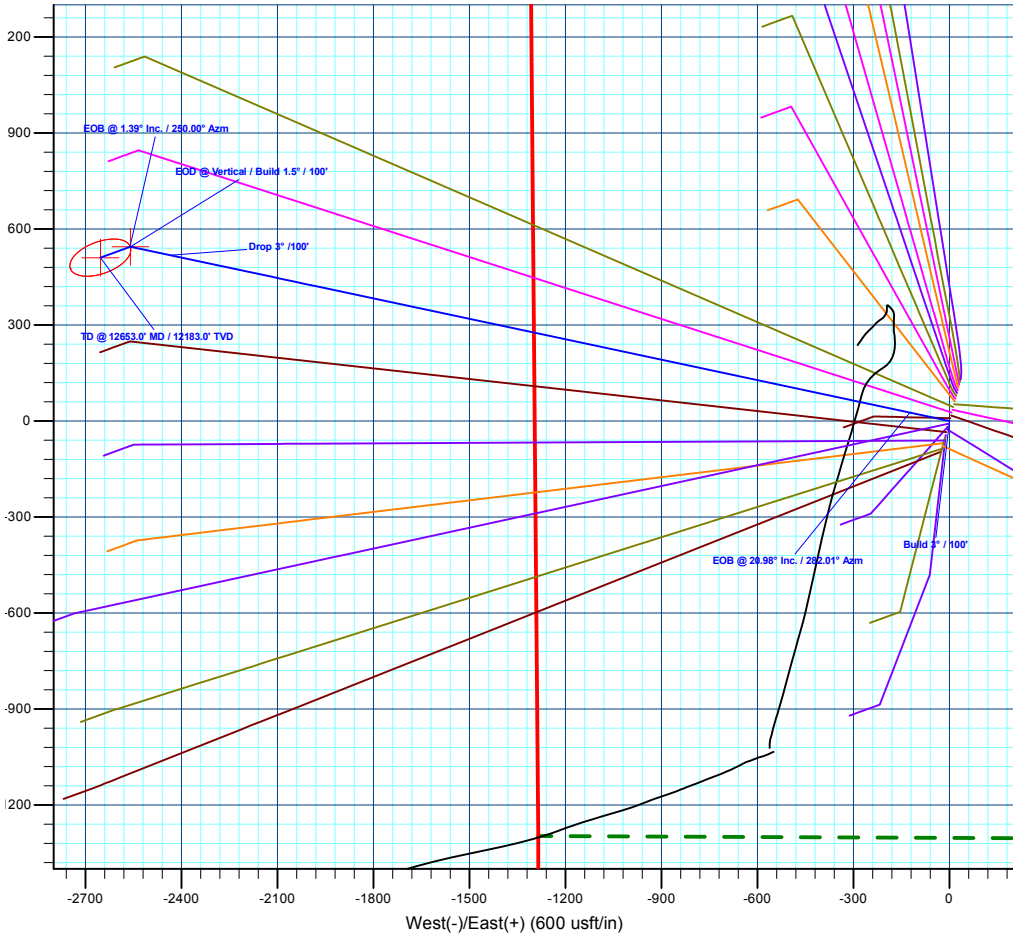
SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
1199.5	20.98	282.01	1184.0	26.4	-123.9	3.00	282.01	126.6	EOB @ 20.98° Inc. / 282.01° Azm
7799.3	20.98	282.01	7346.0	518.1	-2435.7	0.00	0.00	2489.7	Drop 3° / 100'
8498.8	0.00	0.00	8030.0	544.5	-2559.6	3.00	180.00	2616.4	EOD @ Vertical / Build 1.5° / 100'
8591.8	1.39	250.00	8123.0	544.1	-2560.7	1.50	250.00	2617.3	EOB @ 1.39° Inc. / 250.00° Azm
12653.0	1.39	250.00	12183.0	510.3	-2653.6	0.00	0.00	2702.2	TD @ 12653.0' MD / 12183.0' TVD

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
OHCR - 24B-22	8030.0	544.5	-2559.6	14424334.38	2442496.93	39.685663
PBHL - 24B-22	12183.0	510.3	-2653.6	14424297.20	2442404.10	39.685569

WELL DETAILS: BJU M23A FED 24B-22 496						
				Ground Level : 8104.0		
				Northing	Easting	Latitude
				14423871.80	2445072.60	-108.140181



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





Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 24B-22 496 - Slot 24B-22

Wellbore #1

Plan: Design #2

KLX Well Planning Report

18 July, 2022



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24B-22 496 - Slot 24B-22
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 24B-22 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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 24B-22 496 - Slot 24B-22		
Well Position	+N/-S	-155.4 usft	Northing: 14,423,871.80 usft
	+E/-W	-42.0 usft	Easting: 2,445,072.60 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 39.684169
			Longitude: -108.140181
			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 #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	280.88	

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		
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00		
1,199.5	20.98	282.01	1,184.0	26.4	-123.9	3.00	3.00	0.00	282.01		
7,799.3	20.98	282.01	7,346.0	518.1	-2,435.7	0.00	0.00	0.00	0.00		
8,498.8	0.00	0.00	8,030.0	544.5	-2,559.6	3.00	-3.00	0.00	180.00	OHCR - 24B-22	
8,591.8	1.39	250.00	8,123.0	544.1	-2,560.7	1.50	1.50	-118.28	250.00		
12,653.0	1.39	250.00	12,183.0	510.3	-2,653.6	0.00	0.00	0.00	0.00	PBHL - 24B-22	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24B-22 496 - Slot 24B-22
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 24B-22 496	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
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
Build 3° / 100'									
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3.00	282.01	600.0	0.5	-2.6	2.6	3.00	3.00	0.00
700.0	6.00	282.01	699.6	2.2	-10.2	10.5	3.00	3.00	0.00
800.0	9.00	282.01	798.8	4.9	-23.0	23.5	3.00	3.00	0.00
900.0	12.00	282.01	897.1	8.7	-40.8	41.7	3.00	3.00	0.00
1,000.0	15.00	282.01	994.3	13.5	-63.7	65.1	3.00	3.00	0.00
1,100.0	18.00	282.01	1,090.2	19.4	-91.4	93.5	3.00	3.00	0.00
EOB @ 20.98° Inc. / 282.01° Azm									
1,199.5	20.98	282.01	1,184.0	26.4	-123.9	126.6	3.00	3.00	0.00
1,300.0	20.98	282.01	1,277.8	33.8	-159.1	162.6	0.00	0.00	0.00
1,400.0	20.98	282.01	1,371.2	41.3	-194.1	198.4	0.00	0.00	0.00
1,500.0	20.98	282.01	1,464.5	48.7	-229.2	234.2	0.00	0.00	0.00
1,600.0	20.98	282.01	1,557.9	56.2	-264.2	270.0	0.00	0.00	0.00
1,700.0	20.98	282.01	1,651.3	63.6	-299.2	305.9	0.00	0.00	0.00
1,800.0	20.98	282.01	1,744.6	71.1	-334.2	341.7	0.00	0.00	0.00
1,900.0	20.98	282.01	1,838.0	78.6	-369.3	377.5	0.00	0.00	0.00
2,000.0	20.98	282.01	1,931.4	86.0	-404.3	413.3	0.00	0.00	0.00
2,100.0	20.98	282.01	2,024.7	93.5	-439.3	449.1	0.00	0.00	0.00
2,200.0	20.98	282.01	2,118.1	100.9	-474.4	484.9	0.00	0.00	0.00
2,300.0	20.98	282.01	2,211.5	108.4	-509.4	520.7	0.00	0.00	0.00
2,400.0	20.98	282.01	2,304.8	115.8	-544.4	556.5	0.00	0.00	0.00
2,500.0	20.98	282.01	2,398.2	123.3	-579.4	592.3	0.00	0.00	0.00
2,600.0	20.98	282.01	2,491.6	130.7	-614.5	628.1	0.00	0.00	0.00
2,700.0	20.98	282.01	2,584.9	138.2	-649.5	663.9	0.00	0.00	0.00
2,800.0	20.98	282.01	2,678.3	145.6	-684.5	699.7	0.00	0.00	0.00
2,900.0	20.98	282.01	2,771.7	153.1	-719.6	735.5	0.00	0.00	0.00
3,000.0	20.98	282.01	2,865.0	160.5	-754.6	771.3	0.00	0.00	0.00
3,100.0	20.98	282.01	2,958.4	168.0	-789.6	807.1	0.00	0.00	0.00
3,200.0	20.98	282.01	3,051.8	175.4	-824.6	842.9	0.00	0.00	0.00
3,300.0	20.98	282.01	3,145.1	182.9	-859.7	878.7	0.00	0.00	0.00
3,400.0	20.98	282.01	3,238.5	190.3	-894.7	914.5	0.00	0.00	0.00
3,500.0	20.98	282.01	3,331.9	197.8	-929.7	950.3	0.00	0.00	0.00
Wasatch									
3,506.5	20.98	282.01	3,338.0	198.3	-932.0	952.7	0.00	0.00	0.00
3,600.0	20.98	282.01	3,425.3	205.2	-964.8	986.2	0.00	0.00	0.00
3,700.0	20.98	282.01	3,518.6	212.7	-999.8	1,022.0	0.00	0.00	0.00
3,800.0	20.98	282.01	3,612.0	220.1	-1,034.8	1,057.8	0.00	0.00	0.00
3,900.0	20.98	282.01	3,705.4	227.6	-1,069.8	1,093.6	0.00	0.00	0.00
4,000.0	20.98	282.01	3,798.7	235.0	-1,104.9	1,129.4	0.00	0.00	0.00
4,100.0	20.98	282.01	3,892.1	242.5	-1,139.9	1,165.2	0.00	0.00	0.00
4,200.0	20.98	282.01	3,985.5	249.9	-1,174.9	1,201.0	0.00	0.00	0.00
4,300.0	20.98	282.01	4,078.8	257.4	-1,210.0	1,236.8	0.00	0.00	0.00
4,400.0	20.98	282.01	4,172.2	264.8	-1,245.0	1,272.6	0.00	0.00	0.00
4,500.0	20.98	282.01	4,265.6	272.3	-1,280.0	1,308.4	0.00	0.00	0.00
4,600.0	20.98	282.01	4,358.9	279.7	-1,315.0	1,344.2	0.00	0.00	0.00
4,700.0	20.98	282.01	4,452.3	287.2	-1,350.1	1,380.0	0.00	0.00	0.00
4,800.0	20.98	282.01	4,545.7	294.6	-1,385.1	1,415.8	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24B-22 496 - Slot 24B-22
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 24B-22 496	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)
4,900.0	20.98	282.01	4,639.0	302.1	-1,420.1	1,451.6	0.00	0.00	0.00
5,000.0	20.98	282.01	4,732.4	309.5	-1,455.2	1,487.4	0.00	0.00	0.00
5,100.0	20.98	282.01	4,825.8	317.0	-1,490.2	1,523.2	0.00	0.00	0.00
5,200.0	20.98	282.01	4,919.1	324.4	-1,525.2	1,559.0	0.00	0.00	0.00
5,300.0	20.98	282.01	5,012.5	331.9	-1,560.2	1,594.8	0.00	0.00	0.00
5,400.0	20.98	282.01	5,105.9	339.3	-1,595.3	1,630.6	0.00	0.00	0.00
5,500.0	20.98	282.01	5,199.2	346.8	-1,630.3	1,666.5	0.00	0.00	0.00
5,600.0	20.98	282.01	5,292.6	354.2	-1,665.3	1,702.3	0.00	0.00	0.00
5,700.0	20.98	282.01	5,386.0	361.7	-1,700.4	1,738.1	0.00	0.00	0.00
5,800.0	20.98	282.01	5,479.3	369.1	-1,735.4	1,773.9	0.00	0.00	0.00
5,900.0	20.98	282.01	5,572.7	376.6	-1,770.4	1,809.7	0.00	0.00	0.00
6,000.0	20.98	282.01	5,666.1	384.0	-1,805.4	1,845.5	0.00	0.00	0.00
Wasatch G									
6,077.0	20.98	282.01	5,738.0	389.8	-1,832.4	1,873.1	0.00	0.00	0.00
6,100.0	20.98	282.01	5,759.4	391.5	-1,840.5	1,881.3	0.00	0.00	0.00
6,200.0	20.98	282.01	5,852.8	398.9	-1,875.5	1,917.1	0.00	0.00	0.00
6,300.0	20.98	282.01	5,946.2	406.4	-1,910.5	1,952.9	0.00	0.00	0.00
Fort Union									
6,398.3	20.98	282.01	6,038.0	413.7	-1,945.0	1,988.1	0.00	0.00	0.00
6,400.0	20.98	282.01	6,039.5	413.9	-1,945.6	1,988.7	0.00	0.00	0.00
6,500.0	20.98	282.01	6,132.9	421.3	-1,980.6	2,024.5	0.00	0.00	0.00
6,600.0	20.98	282.01	6,226.3	428.8	-2,015.6	2,060.3	0.00	0.00	0.00
6,700.0	20.98	282.01	6,319.6	436.2	-2,050.6	2,096.1	0.00	0.00	0.00
6,800.0	20.98	282.01	6,413.0	443.7	-2,085.7	2,131.9	0.00	0.00	0.00
6,900.0	20.98	282.01	6,506.4	451.1	-2,120.7	2,167.7	0.00	0.00	0.00
7,000.0	20.98	282.01	6,599.7	458.6	-2,155.7	2,203.5	0.00	0.00	0.00
7,100.0	20.98	282.01	6,693.1	466.0	-2,190.8	2,239.3	0.00	0.00	0.00
7,200.0	20.98	282.01	6,786.5	473.5	-2,225.8	2,275.1	0.00	0.00	0.00
7,300.0	20.98	282.01	6,879.8	480.9	-2,260.8	2,311.0	0.00	0.00	0.00
7,400.0	20.98	282.01	6,973.2	488.4	-2,295.8	2,346.8	0.00	0.00	0.00
7,500.0	20.98	282.01	7,066.6	495.8	-2,330.9	2,382.6	0.00	0.00	0.00
7,600.0	20.98	282.01	7,160.0	503.3	-2,365.9	2,418.4	0.00	0.00	0.00
7,700.0	20.98	282.01	7,253.3	510.7	-2,400.9	2,454.2	0.00	0.00	0.00
Drop 3° /100'									
7,799.3	20.98	282.01	7,346.0	518.1	-2,435.7	2,489.7	0.00	0.00	0.00
7,900.0	17.96	282.01	7,441.0	525.1	-2,468.5	2,523.3	3.00	-3.00	0.00
8,000.0	14.96	282.01	7,536.8	531.0	-2,496.3	2,551.6	3.00	-3.00	0.00
8,100.0	11.96	282.01	7,634.1	535.8	-2,519.0	2,574.9	3.00	-3.00	0.00
8,200.0	8.96	282.01	7,732.4	539.6	-2,536.8	2,593.1	3.00	-3.00	0.00
8,300.0	5.96	282.01	7,831.6	542.3	-2,549.5	2,606.0	3.00	-3.00	0.00
8,400.0	2.96	282.01	7,931.2	543.9	-2,557.1	2,613.8	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG									
8,498.8	0.00	0.00	8,030.0	544.5	-2,559.6	2,616.4	3.00	-3.00	0.00
8,500.0	0.02	250.00	8,031.2	544.5	-2,559.6	2,616.4	1.50	1.50	0.00
EOB @ 1.39° Inc. / 250.00° Azm									
8,591.8	1.39	250.00	8,123.0	544.1	-2,560.7	2,617.3	1.50	1.50	0.00
8,600.0	1.39	250.00	8,131.2	544.0	-2,560.9	2,617.5	0.00	0.00	0.00
8,700.0	1.39	250.00	8,231.2	543.2	-2,563.2	2,619.6	0.00	0.00	0.00
8,800.0	1.39	250.00	8,331.1	542.3	-2,565.4	2,621.7	0.00	0.00	0.00
8,900.0	1.39	250.00	8,431.1	541.5	-2,567.7	2,623.8	0.00	0.00	0.00
William Fork									
8,904.9	1.39	250.00	8,436.0	541.5	-2,567.8	2,623.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24B-22 496 - Slot 24B-22
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 24B-22 496	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)
9,000.0	1.39	250.00	8,531.1	540.7	-2,570.0	2,625.9	0.00	0.00	0.00
9,100.0	1.39	250.00	8,631.0	539.9	-2,572.3	2,628.0	0.00	0.00	0.00
9,200.0	1.39	250.00	8,731.0	539.0	-2,574.6	2,630.1	0.00	0.00	0.00
9,300.0	1.39	250.00	8,831.0	538.2	-2,576.9	2,632.1	0.00	0.00	0.00
9,400.0	1.39	250.00	8,930.9	537.4	-2,579.2	2,634.2	0.00	0.00	0.00
9,500.0	1.39	250.00	9,030.9	536.5	-2,581.5	2,636.3	0.00	0.00	0.00
9,600.0	1.39	250.00	9,130.9	535.7	-2,583.7	2,638.4	0.00	0.00	0.00
9,700.0	1.39	250.00	9,230.9	534.9	-2,586.0	2,640.5	0.00	0.00	0.00
9,800.0	1.39	250.00	9,330.8	534.0	-2,588.3	2,642.6	0.00	0.00	0.00
9,900.0	1.39	250.00	9,430.8	533.2	-2,590.6	2,644.7	0.00	0.00	0.00
10,000.0	1.39	250.00	9,530.8	532.4	-2,592.9	2,646.8	0.00	0.00	0.00
10,100.0	1.39	250.00	9,630.7	531.5	-2,595.2	2,648.9	0.00	0.00	0.00
10,200.0	1.39	250.00	9,730.7	530.7	-2,597.5	2,650.9	0.00	0.00	0.00
10,300.0	1.39	250.00	9,830.7	529.9	-2,599.8	2,653.0	0.00	0.00	0.00
10,400.0	1.39	250.00	9,930.7	529.0	-2,602.0	2,655.1	0.00	0.00	0.00
10,500.0	1.39	250.00	10,030.6	528.2	-2,604.3	2,657.2	0.00	0.00	0.00
10,600.0	1.39	250.00	10,130.6	527.4	-2,606.6	2,659.3	0.00	0.00	0.00
10,700.0	1.39	250.00	10,230.6	526.5	-2,608.9	2,661.4	0.00	0.00	0.00
10,800.0	1.39	250.00	10,330.5	525.7	-2,611.2	2,663.5	0.00	0.00	0.00
10,900.0	1.39	250.00	10,430.5	524.9	-2,613.5	2,665.6	0.00	0.00	0.00
11,000.0	1.39	250.00	10,530.5	524.0	-2,615.8	2,667.7	0.00	0.00	0.00
11,100.0	1.39	250.00	10,630.4	523.2	-2,618.1	2,669.7	0.00	0.00	0.00
11,200.0	1.39	250.00	10,730.4	522.4	-2,620.3	2,671.8	0.00	0.00	0.00
11,300.0	1.39	250.00	10,830.4	521.5	-2,622.6	2,673.9	0.00	0.00	0.00
11,400.0	1.39	250.00	10,930.4	520.7	-2,624.9	2,676.0	0.00	0.00	0.00
11,500.0	1.39	250.00	11,030.3	519.9	-2,627.2	2,678.1	0.00	0.00	0.00
11,600.0	1.39	250.00	11,130.3	519.0	-2,629.5	2,680.2	0.00	0.00	0.00
Cameo									
11,652.7	1.39	250.00	11,183.0	518.6	-2,630.7	2,681.3	0.00	0.00	0.00
11,700.0	1.39	250.00	11,230.3	518.2	-2,631.8	2,682.3	0.00	0.00	0.00
11,800.0	1.39	250.00	11,330.2	517.4	-2,634.1	2,684.4	0.00	0.00	0.00
11,900.0	1.39	250.00	11,430.2	516.5	-2,636.4	2,686.5	0.00	0.00	0.00
12,000.0	1.39	250.00	11,530.2	515.7	-2,638.6	2,688.6	0.00	0.00	0.00
12,100.0	1.39	250.00	11,630.1	514.9	-2,640.9	2,690.6	0.00	0.00	0.00
Rollins									
12,152.9	1.39	250.00	11,683.0	514.4	-2,642.1	2,691.7	0.00	0.00	0.00
12,200.0	1.39	250.00	11,730.1	514.0	-2,643.2	2,692.7	0.00	0.00	0.00
12,300.0	1.39	250.00	11,830.1	513.2	-2,645.5	2,694.8	0.00	0.00	0.00
12,400.0	1.39	250.00	11,930.1	512.4	-2,647.8	2,696.9	0.00	0.00	0.00
12,500.0	1.39	250.00	12,030.0	511.5	-2,650.1	2,699.0	0.00	0.00	0.00
12,600.0	1.39	250.00	12,130.0	510.7	-2,652.4	2,701.1	0.00	0.00	0.00
TD @ 12653.0' MD / 12183.0' TVD									
12,653.0	1.39	250.00	12,183.0	510.3	-2,653.6	2,702.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24B-22 496 - Slot 24B-22
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 24B-22 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #2		

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 - 24B-22 - plan hits target center - Point	0.00	0.00	8,030.0	544.5	-2,559.6	14,424,334.38	2,442,496.93	39.685663	-108.149273
PBHL - 24B-22 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,183.0	510.3	-2,653.6	14,424,297.20	2,442,404.10	39.685569	-108.149606

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,506.5	3,338.0	Wasatch			
6,077.0	5,738.0	Wasatch G			
6,398.3	6,038.0	Fort Union			
8,498.8	8,030.0	Ohio Creek			
8,498.8	8,030.0	TOG			
8,904.9	8,436.0	William Fork			
11,652.7	11,183.0	Cameo			
12,152.9	11,683.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
500.0	500.0	0.0	0.0	Build 3° / 100'
1,199.5	1,184.0	26.4	-123.9	EOB @ 20.98° Inc. / 282.01° Azm
7,799.3	7,346.0	518.1	-2,435.7	Drop 3° / 100'
8,498.8	8,030.0	544.5	-2,559.6	EOD @ Vertical / Build 1.5° / 100'
8,591.8	8,123.0	544.1	-2,560.7	EOB @ 1.39° Inc. / 250.00° Azm
12,653.0	12,183.0	510.3	-2,653.6	TD @ 12653.0' MD / 12183.0' TVD