

Project: Garfield County, CO
Site: BJU M23A 496 Pad
Well: BJU M23A FED 26A-22 496
Wellbore: Wellbore #1
Design: Design #3
Latitude: 39.683907
Longitude: -108.140273
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 - 26A-22(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8134.0usft (30')
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3248.0	3403.1	Wasatch
5648.0	5945.1	Wasatch G
5948.0	6262.8	Fort Union
7920.0	8326.2	Ohio Creek
8310.0	8716.3	Williams Fork
11101.0	11508.1	Cameo
11601.0	12008.3	Rollins

SECTION DETAILS

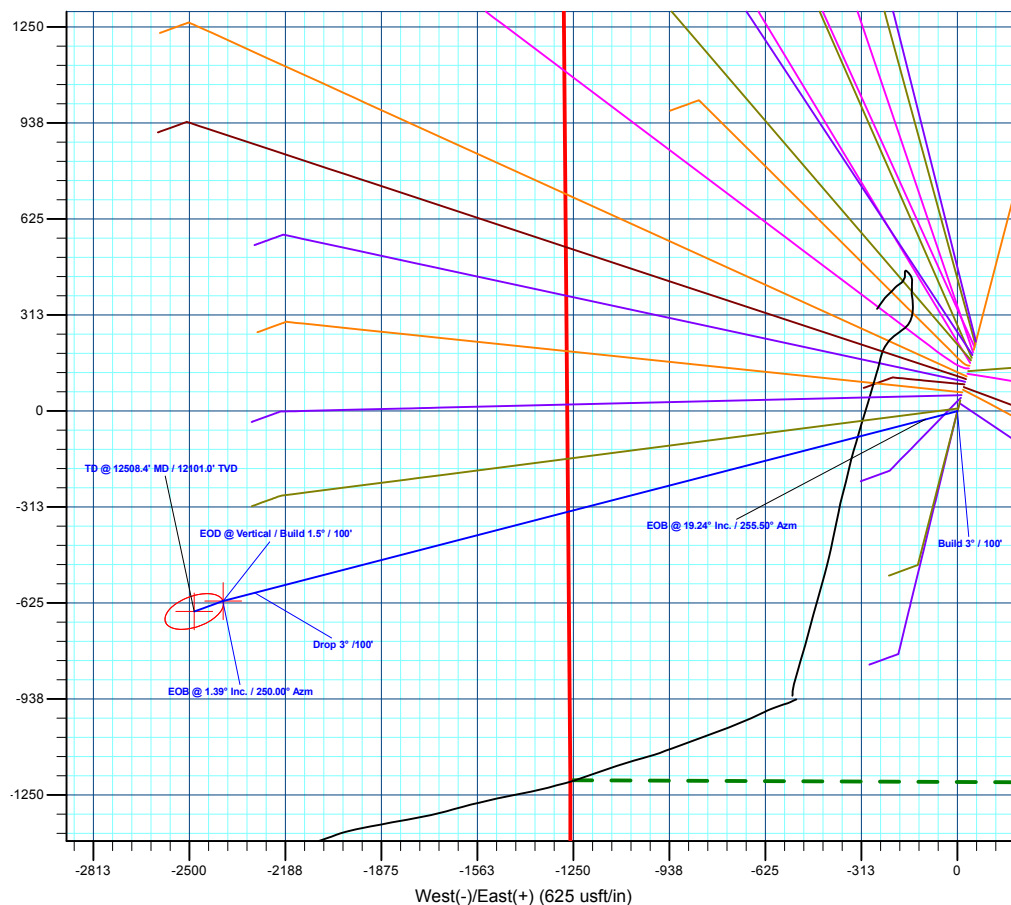
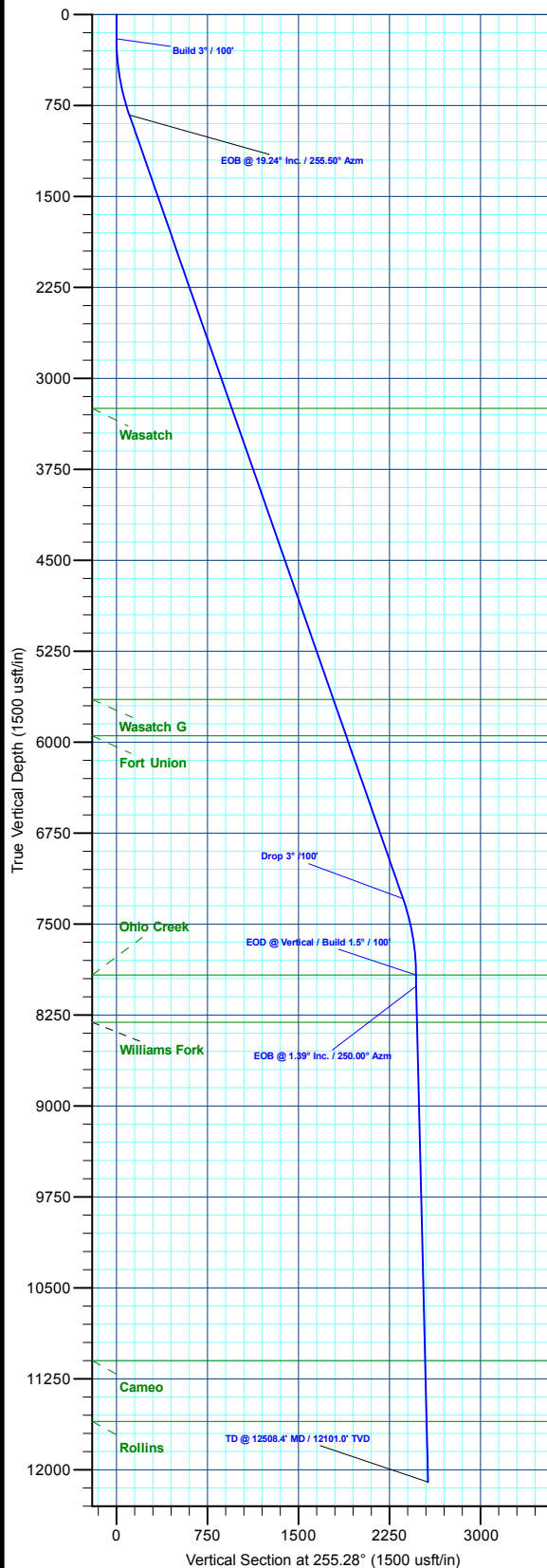
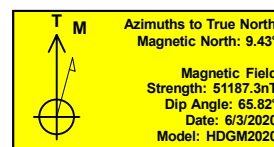
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
841.4	19.24	255.50	829.4	-26.7	-103.3	3.00	255.50	106.7	EOB @ 19.24° Inc. / 255.50° Azm
7684.9	19.24	255.50	7290.6	-591.4	-2286.6	0.00	0.00	2361.8	Drop 3° / 100'
8326.2	0.00	0.00	7920.0	-618.1	-2389.9	3.00	180.00	2468.5	EOD @ Vertical / Build 1.5° / 100'
8418.6	1.39	250.00	8012.4	-618.5	-2390.9	1.50	250.00	2469.6	EOB @ 1.39° Inc. / 250.00° Azm
12508.4	1.39	250.00	12101.0	-652.3	-2483.9	0.00	0.00	2568.1	TD @ 12508.4° MD / 12101.0° TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 26A-22	7920.0	-618.1	-2389.9	14423081.48	2442680.83	39.682210	-108.148761
PBHL - 26A-22	12101.0	-652.3	-2483.9	14423044.30	2442588.00	39.682116	-108.149095

WELL DETAILS: BJU M23A FED 26A-22 496

+N/-S	+E/-W	Ground Level : 8104.0	Latitude	Longitude
0.0	0.0	Northing 14423775.50 Easting 2445049.80	39.683907	-108.140273 26A-22



Plan: Design #3 (BJU M23A FED 26A-22 496/Wellbore #1)

Created By: Will Jircik

Date: 10:27, January 05 2023



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 26A-22 496 - Slot 26A-22

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 26A-22 496 - Slot 26A-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 26A-22 496	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 26A-22 496 - Slot 26A-22			
Well Position	+N/-S	-251.0 usft	Northing:	14,423,775.50 usft
	+E/-W	-67.8 usft	Easting:	2,445,049.80 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:	Latitude: 39.683907
				Longitude: -108.140273
				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	255.28

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
841.4	19.24	255.50	829.4	-26.7	-103.3	3.00	3.00	0.00	255.50	
7,684.9	19.24	255.50	7,290.6	-591.4	-2,286.6	0.00	0.00	0.00	0.00	
8,326.2	0.00	0.00	7,920.0	-618.1	-2,389.9	3.00	-3.00	0.00	180.00	OHCR - 26A-22
8,418.6	1.39	250.00	8,012.4	-618.5	-2,390.9	1.50	1.50	-119.10	250.00	
12,508.4	1.39	250.00	12,101.0	-652.3	-2,483.9	0.00	0.00	0.00	0.00	PBHL - 26A-22

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 26A-22 496 - Slot 26A-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 26A-22 496	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
Build 3° / 100'									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	3.00	255.50	300.0	-0.7	-2.5	2.6	3.00	3.00	0.00
400.0	6.00	255.50	399.6	-2.6	-10.1	10.5	3.00	3.00	0.00
500.0	9.00	255.50	498.8	-5.9	-22.8	23.5	3.00	3.00	0.00
600.0	12.00	255.50	597.1	-10.5	-40.4	41.7	3.00	3.00	0.00
700.0	15.00	255.50	694.3	-16.3	-63.0	65.1	3.00	3.00	0.00
800.0	18.00	255.50	790.2	-23.4	-90.5	93.5	3.00	3.00	0.00
EOB @ 19.24° Inc. / 255.50° Azm									
841.4	19.24	255.50	829.4	-26.7	-103.3	106.7	3.00	3.00	0.00
900.0	19.24	255.50	884.7	-31.6	-122.0	126.0	0.00	0.00	0.00
1,000.0	19.24	255.50	979.2	-39.8	-153.9	159.0	0.00	0.00	0.00
1,100.0	19.24	255.50	1,073.6	-48.1	-185.8	191.9	0.00	0.00	0.00
1,200.0	19.24	255.50	1,168.0	-56.3	-217.7	224.9	0.00	0.00	0.00
1,300.0	19.24	255.50	1,262.4	-64.6	-249.6	257.8	0.00	0.00	0.00
1,400.0	19.24	255.50	1,356.8	-72.8	-281.5	290.8	0.00	0.00	0.00
1,500.0	19.24	255.50	1,451.2	-81.1	-313.4	323.7	0.00	0.00	0.00
1,600.0	19.24	255.50	1,545.6	-89.3	-345.3	356.7	0.00	0.00	0.00
1,700.0	19.24	255.50	1,640.1	-97.6	-377.2	389.6	0.00	0.00	0.00
1,800.0	19.24	255.50	1,734.5	-105.8	-409.1	422.6	0.00	0.00	0.00
1,900.0	19.24	255.50	1,828.9	-114.1	-441.0	455.5	0.00	0.00	0.00
2,000.0	19.24	255.50	1,923.3	-122.3	-472.9	488.5	0.00	0.00	0.00
2,100.0	19.24	255.50	2,017.7	-130.6	-504.8	521.4	0.00	0.00	0.00
2,200.0	19.24	255.50	2,112.1	-138.8	-536.7	554.4	0.00	0.00	0.00
2,300.0	19.24	255.50	2,206.5	-147.1	-568.6	587.4	0.00	0.00	0.00
2,400.0	19.24	255.50	2,301.0	-155.3	-600.5	620.3	0.00	0.00	0.00
2,500.0	19.24	255.50	2,395.4	-163.6	-632.4	653.3	0.00	0.00	0.00
2,600.0	19.24	255.50	2,489.8	-171.8	-664.4	686.2	0.00	0.00	0.00
2,700.0	19.24	255.50	2,584.2	-180.1	-696.3	719.2	0.00	0.00	0.00
2,800.0	19.24	255.50	2,678.6	-188.3	-728.2	752.1	0.00	0.00	0.00
2,900.0	19.24	255.50	2,773.0	-196.6	-760.1	785.1	0.00	0.00	0.00
3,000.0	19.24	255.50	2,867.4	-204.8	-792.0	818.0	0.00	0.00	0.00
3,100.0	19.24	255.50	2,961.9	-213.1	-823.9	851.0	0.00	0.00	0.00
3,200.0	19.24	255.50	3,056.3	-221.3	-855.8	883.9	0.00	0.00	0.00
3,300.0	19.24	255.50	3,150.7	-229.6	-887.7	916.9	0.00	0.00	0.00
3,400.0	19.24	255.50	3,245.1	-237.8	-919.6	949.8	0.00	0.00	0.00
Wasatch									
3,403.1	19.24	255.50	3,248.0	-238.1	-920.6	950.8	0.00	0.00	0.00
3,500.0	19.24	255.50	3,339.5	-246.1	-951.5	982.8	0.00	0.00	0.00
3,600.0	19.24	255.50	3,433.9	-254.3	-983.4	1,015.7	0.00	0.00	0.00
3,700.0	19.24	255.50	3,528.3	-262.6	-1,015.3	1,048.7	0.00	0.00	0.00
3,800.0	19.24	255.50	3,622.8	-270.9	-1,047.2	1,081.6	0.00	0.00	0.00
3,900.0	19.24	255.50	3,717.2	-279.1	-1,079.1	1,114.6	0.00	0.00	0.00
4,000.0	19.24	255.50	3,811.6	-287.4	-1,111.0	1,147.6	0.00	0.00	0.00
4,100.0	19.24	255.50	3,906.0	-295.6	-1,142.9	1,180.5	0.00	0.00	0.00
4,200.0	19.24	255.50	4,000.4	-303.9	-1,174.8	1,213.5	0.00	0.00	0.00
4,300.0	19.24	255.50	4,094.8	-312.1	-1,206.7	1,246.4	0.00	0.00	0.00
4,400.0	19.24	255.50	4,189.2	-320.4	-1,238.6	1,279.4	0.00	0.00	0.00
4,500.0	19.24	255.50	4,283.7	-328.6	-1,270.5	1,312.3	0.00	0.00	0.00
4,600.0	19.24	255.50	4,378.1	-336.9	-1,302.4	1,345.3	0.00	0.00	0.00
4,700.0	19.24	255.50	4,472.5	-345.1	-1,334.3	1,378.2	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 26A-22 496	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	19.24	255.50	4,566.9	-353.4	-1,366.2	1,411.2	0.00	0.00	0.00
4,900.0	19.24	255.50	4,661.3	-361.6	-1,398.1	1,444.1	0.00	0.00	0.00
5,000.0	19.24	255.50	4,755.7	-369.9	-1,430.0	1,477.1	0.00	0.00	0.00
5,100.0	19.24	255.50	4,850.1	-378.1	-1,461.9	1,510.0	0.00	0.00	0.00
5,200.0	19.24	255.50	4,944.6	-386.4	-1,493.8	1,543.0	0.00	0.00	0.00
5,300.0	19.24	255.50	5,039.0	-394.6	-1,525.8	1,575.9	0.00	0.00	0.00
5,400.0	19.24	255.50	5,133.4	-402.9	-1,557.7	1,608.9	0.00	0.00	0.00
5,500.0	19.24	255.50	5,227.8	-411.1	-1,589.6	1,641.9	0.00	0.00	0.00
5,600.0	19.24	255.50	5,322.2	-419.4	-1,621.5	1,674.8	0.00	0.00	0.00
5,700.0	19.24	255.50	5,416.6	-427.6	-1,653.4	1,707.8	0.00	0.00	0.00
5,800.0	19.24	255.50	5,511.0	-435.9	-1,685.3	1,740.7	0.00	0.00	0.00
5,900.0	19.24	255.50	5,605.5	-444.1	-1,717.2	1,773.7	0.00	0.00	0.00
Wasatch G									
5,945.1	19.24	255.50	5,648.0	-447.9	-1,731.5	1,788.5	0.00	0.00	0.00
6,000.0	19.24	255.50	5,699.9	-452.4	-1,749.1	1,806.6	0.00	0.00	0.00
6,100.0	19.24	255.50	5,794.3	-460.6	-1,781.0	1,839.6	0.00	0.00	0.00
6,200.0	19.24	255.50	5,888.7	-468.9	-1,812.9	1,872.5	0.00	0.00	0.00
Fort Union									
6,262.8	19.24	255.50	5,948.0	-474.1	-1,832.9	1,893.2	0.00	0.00	0.00
6,300.0	19.24	255.50	5,983.1	-477.1	-1,844.8	1,905.5	0.00	0.00	0.00
6,400.0	19.24	255.50	6,077.5	-485.4	-1,876.7	1,938.4	0.00	0.00	0.00
6,500.0	19.24	255.50	6,171.9	-493.7	-1,908.6	1,971.4	0.00	0.00	0.00
6,600.0	19.24	255.50	6,266.4	-501.9	-1,940.5	2,004.3	0.00	0.00	0.00
6,700.0	19.24	255.50	6,360.8	-510.2	-1,972.4	2,037.3	0.00	0.00	0.00
6,800.0	19.24	255.50	6,455.2	-518.4	-2,004.3	2,070.2	0.00	0.00	0.00
6,900.0	19.24	255.50	6,549.6	-526.7	-2,036.2	2,103.2	0.00	0.00	0.00
7,000.0	19.24	255.50	6,644.0	-534.9	-2,068.1	2,136.2	0.00	0.00	0.00
7,100.0	19.24	255.50	6,738.4	-543.2	-2,100.0	2,169.1	0.00	0.00	0.00
7,200.0	19.24	255.50	6,832.8	-551.4	-2,131.9	2,202.1	0.00	0.00	0.00
7,300.0	19.24	255.50	6,927.3	-559.7	-2,163.8	2,235.0	0.00	0.00	0.00
7,400.0	19.24	255.50	7,021.7	-567.9	-2,195.7	2,268.0	0.00	0.00	0.00
7,500.0	19.24	255.50	7,116.1	-576.2	-2,227.6	2,300.9	0.00	0.00	0.00
7,600.0	19.24	255.50	7,210.5	-584.4	-2,259.5	2,333.9	0.00	0.00	0.00
Drop 3° /100'									
7,684.9	19.24	255.50	7,290.6	-591.4	-2,286.6	2,361.8	0.00	0.00	0.00
7,700.0	18.79	255.50	7,304.9	-592.7	-2,291.4	2,366.8	3.00	-3.00	0.00
7,800.0	15.79	255.50	7,400.4	-600.1	-2,320.1	2,396.5	3.00	-3.00	0.00
7,900.0	12.79	255.50	7,497.3	-606.3	-2,344.0	2,421.2	3.00	-3.00	0.00
8,000.0	9.79	255.50	7,595.4	-611.2	-2,363.0	2,440.7	3.00	-3.00	0.00
8,100.0	6.79	255.50	7,694.3	-614.8	-2,376.9	2,455.1	3.00	-3.00	0.00
8,200.0	3.79	255.50	7,793.9	-617.1	-2,385.9	2,464.4	3.00	-3.00	0.00
8,300.0	0.79	255.50	7,893.8	-618.1	-2,389.7	2,468.3	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,326.2	0.00	0.00	7,920.0	-618.1	-2,389.9	2,468.5	3.00	-3.00	0.00
8,400.0	1.11	250.00	7,993.8	-618.4	-2,390.6	2,469.2	1.50	1.50	0.00
EOB @ 1.39° Inc. / 250.00° Azm									
8,418.6	1.39	250.00	8,012.4	-618.5	-2,390.9	2,469.6	1.50	1.50	0.00
8,500.0	1.39	250.00	8,093.7	-619.2	-2,392.8	2,471.6	0.00	0.00	0.00
8,600.0	1.39	250.00	8,193.7	-620.0	-2,395.1	2,474.0	0.00	0.00	0.00
8,700.0	1.39	250.00	8,293.7	-620.8	-2,397.3	2,476.4	0.00	0.00	0.00
Williams Fork									
8,716.3	1.39	250.00	8,310.0	-621.0	-2,397.7	2,476.8	0.00	0.00	0.00

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Project:	Garfield County, CO	MD Reference:	RKB @ 8134.0usft (30')
Site:	BJU M23A 496 Pad	North Reference:	True
Well:	BJU M23A FED 26A-22 496	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	1.39	250.00	8,393.7	-621.7	-2,399.6	2,478.8	0.00	0.00	0.00
8,900.0	1.39	250.00	8,493.6	-622.5	-2,401.9	2,481.2	0.00	0.00	0.00
9,000.0	1.39	250.00	8,593.6	-623.3	-2,404.2	2,483.6	0.00	0.00	0.00
9,100.0	1.39	250.00	8,693.6	-624.2	-2,406.4	2,486.0	0.00	0.00	0.00
9,200.0	1.39	250.00	8,793.5	-625.0	-2,408.7	2,488.4	0.00	0.00	0.00
9,300.0	1.39	250.00	8,893.5	-625.8	-2,411.0	2,490.9	0.00	0.00	0.00
9,400.0	1.39	250.00	8,993.5	-626.6	-2,413.2	2,493.3	0.00	0.00	0.00
9,500.0	1.39	250.00	9,093.4	-627.5	-2,415.5	2,495.7	0.00	0.00	0.00
9,600.0	1.39	250.00	9,193.4	-628.3	-2,417.8	2,498.1	0.00	0.00	0.00
9,700.0	1.39	250.00	9,293.4	-629.1	-2,420.1	2,500.5	0.00	0.00	0.00
9,800.0	1.39	250.00	9,393.4	-629.9	-2,422.3	2,502.9	0.00	0.00	0.00
9,900.0	1.39	250.00	9,493.3	-630.8	-2,424.6	2,505.3	0.00	0.00	0.00
10,000.0	1.39	250.00	9,593.3	-631.6	-2,426.9	2,507.7	0.00	0.00	0.00
10,100.0	1.39	250.00	9,693.3	-632.4	-2,429.1	2,510.1	0.00	0.00	0.00
10,200.0	1.39	250.00	9,793.2	-633.2	-2,431.4	2,512.5	0.00	0.00	0.00
10,300.0	1.39	250.00	9,893.2	-634.1	-2,433.7	2,514.9	0.00	0.00	0.00
10,400.0	1.39	250.00	9,993.2	-634.9	-2,436.0	2,517.3	0.00	0.00	0.00
10,500.0	1.39	250.00	10,093.2	-635.7	-2,438.2	2,519.7	0.00	0.00	0.00
10,600.0	1.39	250.00	10,193.1	-636.6	-2,440.5	2,522.2	0.00	0.00	0.00
10,700.0	1.39	250.00	10,293.1	-637.4	-2,442.8	2,524.6	0.00	0.00	0.00
10,800.0	1.39	250.00	10,393.1	-638.2	-2,445.0	2,527.0	0.00	0.00	0.00
10,900.0	1.39	250.00	10,493.0	-639.0	-2,447.3	2,529.4	0.00	0.00	0.00
11,000.0	1.39	250.00	10,593.0	-639.9	-2,449.6	2,531.8	0.00	0.00	0.00
11,100.0	1.39	250.00	10,693.0	-640.7	-2,451.9	2,534.2	0.00	0.00	0.00
11,200.0	1.39	250.00	10,792.9	-641.5	-2,454.1	2,536.6	0.00	0.00	0.00
11,300.0	1.39	250.00	10,892.9	-642.3	-2,456.4	2,539.0	0.00	0.00	0.00
11,400.0	1.39	250.00	10,992.9	-643.2	-2,458.7	2,541.4	0.00	0.00	0.00
11,500.0	1.39	250.00	11,092.9	-644.0	-2,461.0	2,543.8	0.00	0.00	0.00
Cameo									
11,508.1	1.39	250.00	11,101.0	-644.1	-2,461.1	2,544.0	0.00	0.00	0.00
11,600.0	1.39	250.00	11,192.8	-644.8	-2,463.2	2,546.2	0.00	0.00	0.00
11,700.0	1.39	250.00	11,292.8	-645.7	-2,465.5	2,548.6	0.00	0.00	0.00
11,800.0	1.39	250.00	11,392.8	-646.5	-2,467.8	2,551.0	0.00	0.00	0.00
11,900.0	1.39	250.00	11,492.7	-647.3	-2,470.0	2,553.4	0.00	0.00	0.00
12,000.0	1.39	250.00	11,592.7	-648.1	-2,472.3	2,555.9	0.00	0.00	0.00
Rollins									
12,008.3	1.39	250.00	11,601.0	-648.2	-2,472.5	2,556.1	0.00	0.00	0.00
12,100.0	1.39	250.00	11,692.7	-649.0	-2,474.6	2,558.3	0.00	0.00	0.00
12,200.0	1.39	250.00	11,792.7	-649.8	-2,476.9	2,560.7	0.00	0.00	0.00
12,300.0	1.39	250.00	11,892.6	-650.6	-2,479.1	2,563.1	0.00	0.00	0.00
12,400.0	1.39	250.00	11,992.6	-651.4	-2,481.4	2,565.5	0.00	0.00	0.00
TD @ 12508.4' MD / 12101.0' TVD									
12,508.4	1.39	250.00	12,101.0	-652.3	-2,483.9	2,568.1	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 26A-22 496 - Slot 26A-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 26A-22 496	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 - 26A-22 - plan hits target center - Point	0.00	0.00	7,920.0	-618.1	-2,389.9	14,423,081.48	2,442,680.83	39.682210	-108.148761
PBHL - 26A-22 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,101.0	-652.3	-2,483.9	14,423,044.30	2,442,588.00	39.682116	-108.149095

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,403.1	3,248.0	Wasatch			
5,945.1	5,648.0	Wasatch G			
6,262.8	5,948.0	Fort Union			
8,326.2	7,920.0	Ohio Creek			
8,716.3	8,310.0	Williams Fork			
11,508.1	11,101.0	Cameo			
12,008.3	11,601.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.0	200.0	0.0	0.0	Build 3° / 100'
841.4	829.4	-26.7	-103.3	EOB @ 19.24° Inc. / 255.50° Azm
7,684.9	7,290.6	-591.4	-2,286.6	Drop 3° / 100'
8,326.2	7,920.0	-618.1	-2,389.9	EOD @ Vertical / Build 1.5° / 100'
8,418.6	8,012.4	-618.5	-2,390.9	EOB @ 1.39° Inc. / 250.00° Azm
12,508.4	12,101.0	-652.3	-2,483.9	TD @ 12508.4' MD / 12101.0' TVD