

Project: Garfield County, CO
 Site: BJU M23A 496 Pad
 Well: BJU M23A FED 25C-22 496
 Wellbore: Wellbore #1
 Design: Design #2
 Latitude: 39.684145
 Longitude: -108.140189
 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 - 25C-22(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8134.0usft (30')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3281.0	3477.5	Wasatch
5681.0	6066.7	Wasatch G
5981.0	6390.4	Fort Union
7952.0	8478.3	Ohio Creek
7952.0	8478.3	TOG
8345.0	8871.4	William Fork
11107.0	11634.2	Cameo
11607.0	12134.3	Rollins

SECTION DETAILS

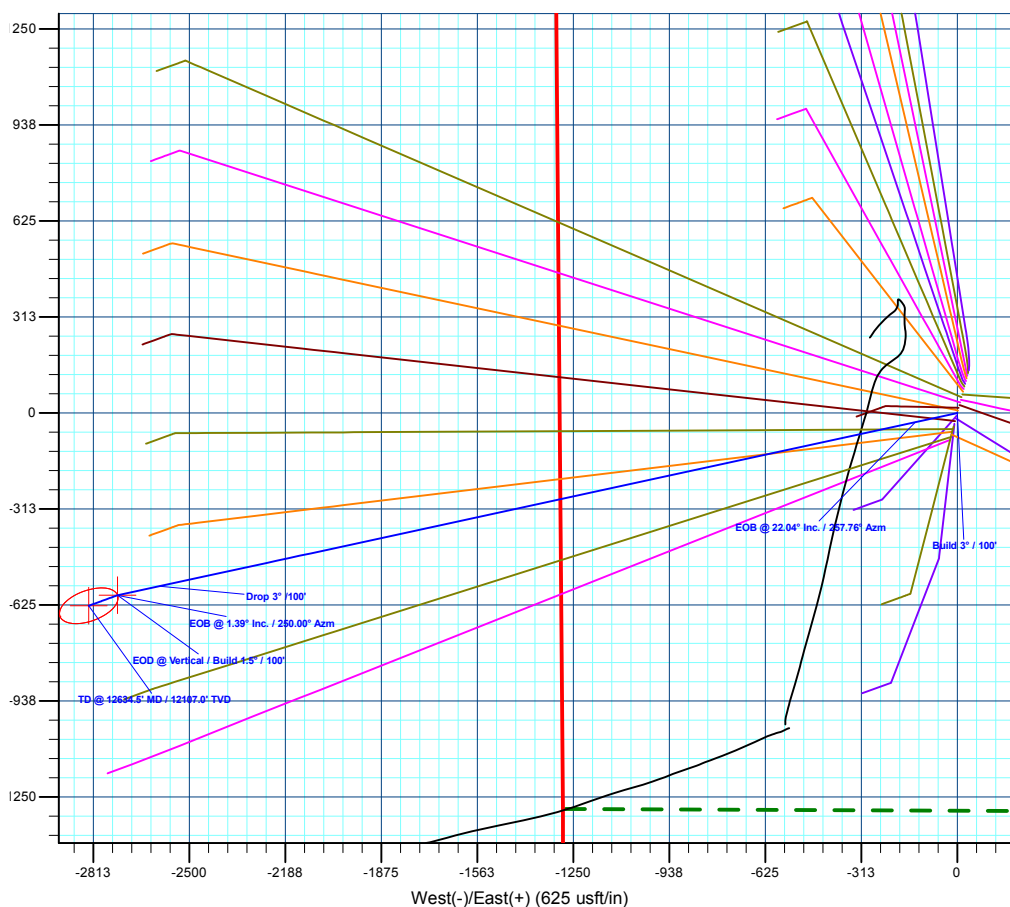
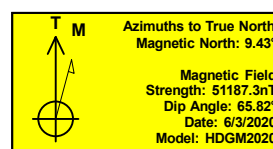
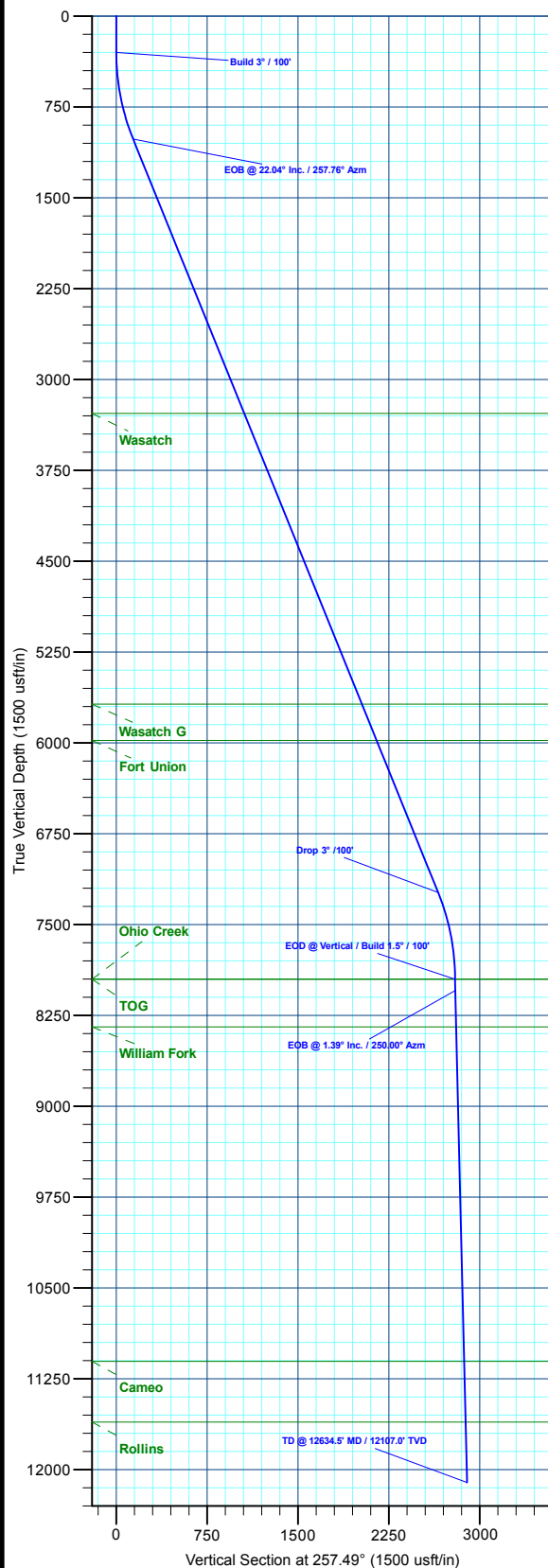
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
1034.7	22.04	257.76	1016.7	-29.6	-136.4	3.00	257.76	139.6	EOB @ 22.04° Inc. / 257.76° Azm
7743.6	22.04	257.76	7235.3	-563.3	-2596.8	0.00	0.00	2657.1	Drop 3° / 100'
8478.3	0.00	0.00	7952.0	-592.9	-2733.2	3.00	180.00	2796.7	EOD @ Vertical / Build 1.5° / 100'
8571.2	1.39	250.00	8044.9	-593.3	-2734.2	1.50	250.00	2797.8	EOB @ 1.39° Inc. / 250.00° Azm
12634.5	1.39	250.00	12107.0	-627.1	-2827.1	0.00	0.00	2895.8	TD @ 12634.5' MD / 12107.0' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 25C-22	7952.0	-592.9	-2733.2	14423183.38	2442357.63	39.682518	-108.149897
PBHL - 25C-22	12107.0	-627.1	-2827.1	14423146.20	2442264.80	39.682424	-108.150230

WELL DETAILS: BJU M23A FED 25C-22 496

+N/-S	+E/-W	Ground Level : 8104.0	Northing	Easting	Latitude	Longitude	25C-22
0.0	0.0		14423863.10	2445070.50	39.684145	-108.140189	



Plan: Design #2 (BJU M23A FED 25C-22 496/Wellbore #1)

Created By: Will Jircik Date: 16:11, July 18 2022



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 25C-22 496 - Slot 25C-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 25C-22 496 - Slot 25C-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 25C-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	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-22 496 - Slot 25C-22			
Well Position	+N/-S	-164.1 usft	Northing:	14,423,863.10 usft
	+E/-W	-44.4 usft	Easting:	2,445,070.50 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:	Latitude: 39.684146
				Longitude: -108.140190
				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	257.49

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	
300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,034.7	22.04	257.76	1,016.7	-29.6	-136.4	3.00	3.00	0.00	257.76	
7,743.6	22.04	257.76	7,235.3	-563.3	-2,596.8	0.00	0.00	0.00	0.00	
8,478.3	0.00	0.00	7,952.0	-592.9	-2,733.2	3.00	-3.00	0.00	180.00	OHCR - 25C-22
8,571.2	1.39	250.00	8,044.9	-593.3	-2,734.2	1.50	1.50	-118.34	250.00	
12,634.5	1.39	250.00	12,107.0	-627.1	-2,827.1	0.00	0.00	0.00	0.00	PBHL - 25C-22

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 25C-22 496 - Slot 25C-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 25C-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
Build 3° / 100'									
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	3.00	257.76	400.0	-0.6	-2.6	2.6	3.00	3.00	0.00
500.0	6.00	257.76	499.6	-2.2	-10.2	10.5	3.00	3.00	0.00
600.0	9.00	257.76	598.8	-5.0	-23.0	23.5	3.00	3.00	0.00
700.0	12.00	257.76	697.1	-8.8	-40.8	41.7	3.00	3.00	0.00
800.0	15.00	257.76	794.3	-13.8	-63.6	65.1	3.00	3.00	0.00
900.0	18.00	257.76	890.2	-19.8	-91.4	93.5	3.00	3.00	0.00
1,000.0	21.00	257.76	984.4	-26.9	-124.0	126.9	3.00	3.00	0.00
EOB @ 22.04° Inc. / 257.76° Azm									
1,034.7	22.04	257.76	1,016.7	-29.6	-136.4	139.6	3.00	3.00	0.00
1,100.0	22.04	257.76	1,077.2	-34.8	-160.4	164.1	0.00	0.00	0.00
1,200.0	22.04	257.76	1,169.9	-42.7	-197.0	201.6	0.00	0.00	0.00
1,300.0	22.04	257.76	1,262.6	-50.7	-233.7	239.1	0.00	0.00	0.00
1,400.0	22.04	257.76	1,355.3	-58.6	-270.4	276.7	0.00	0.00	0.00
1,500.0	22.04	257.76	1,448.0	-66.6	-307.0	314.2	0.00	0.00	0.00
1,600.0	22.04	257.76	1,540.7	-74.6	-343.7	351.7	0.00	0.00	0.00
1,700.0	22.04	257.76	1,633.4	-82.5	-380.4	389.2	0.00	0.00	0.00
1,800.0	22.04	257.76	1,726.1	-90.5	-417.1	426.8	0.00	0.00	0.00
1,900.0	22.04	257.76	1,818.8	-98.4	-453.7	464.3	0.00	0.00	0.00
2,000.0	22.04	257.76	1,911.5	-106.4	-490.4	501.8	0.00	0.00	0.00
2,100.0	22.04	257.76	2,004.2	-114.3	-527.1	539.3	0.00	0.00	0.00
2,200.0	22.04	257.76	2,096.9	-122.3	-563.8	576.9	0.00	0.00	0.00
2,300.0	22.04	257.76	2,189.5	-130.2	-600.4	614.4	0.00	0.00	0.00
2,400.0	22.04	257.76	2,282.2	-138.2	-637.1	651.9	0.00	0.00	0.00
2,500.0	22.04	257.76	2,374.9	-146.2	-673.8	689.4	0.00	0.00	0.00
2,600.0	22.04	257.76	2,467.6	-154.1	-710.5	727.0	0.00	0.00	0.00
2,700.0	22.04	257.76	2,560.3	-162.1	-747.1	764.5	0.00	0.00	0.00
2,800.0	22.04	257.76	2,653.0	-170.0	-783.8	802.0	0.00	0.00	0.00
2,900.0	22.04	257.76	2,745.7	-178.0	-820.5	839.5	0.00	0.00	0.00
3,000.0	22.04	257.76	2,838.4	-185.9	-857.1	877.1	0.00	0.00	0.00
3,100.0	22.04	257.76	2,931.1	-193.9	-893.8	914.6	0.00	0.00	0.00
3,200.0	22.04	257.76	3,023.8	-201.8	-930.5	952.1	0.00	0.00	0.00
3,300.0	22.04	257.76	3,116.5	-209.8	-967.2	989.6	0.00	0.00	0.00
3,400.0	22.04	257.76	3,209.2	-217.8	-1,003.8	1,027.2	0.00	0.00	0.00
Wasatch									
3,477.5	22.04	257.76	3,281.0	-223.9	-1,032.3	1,056.3	0.00	0.00	0.00
3,500.0	22.04	257.76	3,301.8	-225.7	-1,040.5	1,064.7	0.00	0.00	0.00
3,600.0	22.04	257.76	3,394.5	-233.7	-1,077.2	1,102.2	0.00	0.00	0.00
3,700.0	22.04	257.76	3,487.2	-241.6	-1,113.9	1,139.7	0.00	0.00	0.00
3,800.0	22.04	257.76	3,579.9	-249.6	-1,150.5	1,177.3	0.00	0.00	0.00
3,900.0	22.04	257.76	3,672.6	-257.5	-1,187.2	1,214.8	0.00	0.00	0.00
4,000.0	22.04	257.76	3,765.3	-265.5	-1,223.9	1,252.3	0.00	0.00	0.00
4,100.0	22.04	257.76	3,858.0	-273.4	-1,260.5	1,289.9	0.00	0.00	0.00
4,200.0	22.04	257.76	3,950.7	-281.4	-1,297.2	1,327.4	0.00	0.00	0.00
4,300.0	22.04	257.76	4,043.4	-289.3	-1,333.9	1,364.9	0.00	0.00	0.00
4,400.0	22.04	257.76	4,136.1	-297.3	-1,370.6	1,402.4	0.00	0.00	0.00
4,500.0	22.04	257.76	4,228.8	-305.3	-1,407.2	1,440.0	0.00	0.00	0.00
4,600.0	22.04	257.76	4,321.5	-313.2	-1,443.9	1,477.5	0.00	0.00	0.00
4,700.0	22.04	257.76	4,414.2	-321.2	-1,480.6	1,515.0	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 25C-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)
4,800.0	22.04	257.76	4,506.8	-329.1	-1,517.3	1,552.5	0.00	0.00	0.00
4,900.0	22.04	257.76	4,599.5	-337.1	-1,553.9	1,590.1	0.00	0.00	0.00
5,000.0	22.04	257.76	4,692.2	-345.0	-1,590.6	1,627.6	0.00	0.00	0.00
5,100.0	22.04	257.76	4,784.9	-353.0	-1,627.3	1,665.1	0.00	0.00	0.00
5,200.0	22.04	257.76	4,877.6	-360.9	-1,664.0	1,702.6	0.00	0.00	0.00
5,300.0	22.04	257.76	4,970.3	-368.9	-1,700.6	1,740.2	0.00	0.00	0.00
5,400.0	22.04	257.76	5,063.0	-376.9	-1,737.3	1,777.7	0.00	0.00	0.00
5,500.0	22.04	257.76	5,155.7	-384.8	-1,774.0	1,815.2	0.00	0.00	0.00
5,600.0	22.04	257.76	5,248.4	-392.8	-1,810.6	1,852.7	0.00	0.00	0.00
5,700.0	22.04	257.76	5,341.1	-400.7	-1,847.3	1,890.3	0.00	0.00	0.00
5,800.0	22.04	257.76	5,433.8	-408.7	-1,884.0	1,927.8	0.00	0.00	0.00
5,900.0	22.04	257.76	5,526.5	-416.6	-1,920.7	1,965.3	0.00	0.00	0.00
6,000.0	22.04	257.76	5,619.1	-424.6	-1,957.3	2,002.8	0.00	0.00	0.00
Wasatch G									
6,066.7	22.04	257.76	5,681.0	-429.9	-1,981.8	2,027.9	0.00	0.00	0.00
6,100.0	22.04	257.76	5,711.8	-432.5	-1,994.0	2,040.4	0.00	0.00	0.00
6,200.0	22.04	257.76	5,804.5	-440.5	-2,030.7	2,077.9	0.00	0.00	0.00
6,300.0	22.04	257.76	5,897.2	-448.4	-2,067.4	2,115.4	0.00	0.00	0.00
Fort Union									
6,390.4	22.04	257.76	5,981.0	-455.6	-2,100.5	2,149.3	0.00	0.00	0.00
6,400.0	22.04	257.76	5,989.9	-456.4	-2,104.0	2,152.9	0.00	0.00	0.00
6,500.0	22.04	257.76	6,082.6	-464.4	-2,140.7	2,190.5	0.00	0.00	0.00
6,600.0	22.04	257.76	6,175.3	-472.3	-2,177.4	2,228.0	0.00	0.00	0.00
6,700.0	22.04	257.76	6,268.0	-480.3	-2,214.0	2,265.5	0.00	0.00	0.00
6,800.0	22.04	257.76	6,360.7	-488.2	-2,250.7	2,303.0	0.00	0.00	0.00
6,900.0	22.04	257.76	6,453.4	-496.2	-2,287.4	2,340.6	0.00	0.00	0.00
7,000.0	22.04	257.76	6,546.1	-504.1	-2,324.1	2,378.1	0.00	0.00	0.00
7,100.0	22.04	257.76	6,638.8	-512.1	-2,360.7	2,415.6	0.00	0.00	0.00
7,200.0	22.04	257.76	6,731.5	-520.0	-2,397.4	2,453.1	0.00	0.00	0.00
7,300.0	22.04	257.76	6,824.1	-528.0	-2,434.1	2,490.7	0.00	0.00	0.00
7,400.0	22.04	257.76	6,916.8	-536.0	-2,470.8	2,528.2	0.00	0.00	0.00
7,500.0	22.04	257.76	7,009.5	-543.9	-2,507.4	2,565.7	0.00	0.00	0.00
7,600.0	22.04	257.76	7,102.2	-551.9	-2,544.1	2,603.2	0.00	0.00	0.00
7,700.0	22.04	257.76	7,194.9	-559.8	-2,580.8	2,640.8	0.00	0.00	0.00
Drop 3° /100'									
7,743.6	22.04	257.76	7,235.3	-563.3	-2,596.8	2,657.1	0.00	0.00	0.00
7,800.0	20.35	257.76	7,287.9	-567.6	-2,616.7	2,677.5	3.00	-3.00	0.00
7,900.0	17.35	257.76	7,382.5	-574.5	-2,648.3	2,709.8	3.00	-3.00	0.00
8,000.0	14.35	257.76	7,478.7	-580.2	-2,674.9	2,737.1	3.00	-3.00	0.00
8,100.0	11.35	257.76	7,576.2	-585.0	-2,696.7	2,759.4	3.00	-3.00	0.00
8,200.0	8.35	257.76	7,674.7	-588.6	-2,713.4	2,776.5	3.00	-3.00	0.00
8,300.0	5.35	257.76	7,774.0	-591.1	-2,725.0	2,788.4	3.00	-3.00	0.00
8,400.0	2.35	257.76	7,873.8	-592.5	-2,731.6	2,795.1	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG									
8,478.3	0.00	0.00	7,952.0	-592.9	-2,733.2	2,796.7	3.00	-3.00	0.00
8,500.0	0.33	250.00	7,973.7	-592.9	-2,733.2	2,796.8	1.50	1.50	0.00
EOB @ 1.39° Inc. / 250.00° Azm									
8,571.2	1.39	250.00	8,044.9	-593.3	-2,734.2	2,797.8	1.50	1.50	0.00
8,600.0	1.39	250.00	8,073.7	-593.5	-2,734.9	2,798.5	0.00	0.00	0.00
8,700.0	1.39	250.00	8,173.7	-594.3	-2,737.2	2,800.9	0.00	0.00	0.00
8,800.0	1.39	250.00	8,273.7	-595.2	-2,739.5	2,803.3	0.00	0.00	0.00
William Fork									

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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 25C-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)
8,871.4	1.39	250.00	8,345.0	-595.8	-2,741.1	2,805.1	0.00	0.00	0.00
8,900.0	1.39	250.00	8,373.6	-596.0	-2,741.7	2,805.7	0.00	0.00	0.00
9,000.0	1.39	250.00	8,473.6	-596.8	-2,744.0	2,808.2	0.00	0.00	0.00
9,100.0	1.39	250.00	8,573.6	-597.7	-2,746.3	2,810.6	0.00	0.00	0.00
9,200.0	1.39	250.00	8,673.5	-598.5	-2,748.6	2,813.0	0.00	0.00	0.00
9,300.0	1.39	250.00	8,773.5	-599.3	-2,750.9	2,815.4	0.00	0.00	0.00
9,400.0	1.39	250.00	8,873.5	-600.2	-2,753.2	2,817.8	0.00	0.00	0.00
9,500.0	1.39	250.00	8,973.5	-601.0	-2,755.5	2,820.2	0.00	0.00	0.00
9,600.0	1.39	250.00	9,073.4	-601.8	-2,757.7	2,822.6	0.00	0.00	0.00
9,700.0	1.39	250.00	9,173.4	-602.7	-2,760.0	2,825.0	0.00	0.00	0.00
9,800.0	1.39	250.00	9,273.4	-603.5	-2,762.3	2,827.5	0.00	0.00	0.00
9,900.0	1.39	250.00	9,373.3	-604.3	-2,764.6	2,829.9	0.00	0.00	0.00
10,000.0	1.39	250.00	9,473.3	-605.2	-2,766.9	2,832.3	0.00	0.00	0.00
10,100.0	1.39	250.00	9,573.3	-606.0	-2,769.2	2,834.7	0.00	0.00	0.00
10,200.0	1.39	250.00	9,673.2	-606.8	-2,771.5	2,837.1	0.00	0.00	0.00
10,300.0	1.39	250.00	9,773.2	-607.6	-2,773.8	2,839.5	0.00	0.00	0.00
10,400.0	1.39	250.00	9,873.2	-608.5	-2,776.0	2,841.9	0.00	0.00	0.00
10,500.0	1.39	250.00	9,973.2	-609.3	-2,778.3	2,844.3	0.00	0.00	0.00
10,600.0	1.39	250.00	10,073.1	-610.1	-2,780.6	2,846.8	0.00	0.00	0.00
10,700.0	1.39	250.00	10,173.1	-611.0	-2,782.9	2,849.2	0.00	0.00	0.00
10,800.0	1.39	250.00	10,273.1	-611.8	-2,785.2	2,851.6	0.00	0.00	0.00
10,900.0	1.39	250.00	10,373.0	-612.6	-2,787.5	2,854.0	0.00	0.00	0.00
11,000.0	1.39	250.00	10,473.0	-613.5	-2,789.8	2,856.4	0.00	0.00	0.00
11,100.0	1.39	250.00	10,573.0	-614.3	-2,792.0	2,858.8	0.00	0.00	0.00
11,200.0	1.39	250.00	10,673.0	-615.1	-2,794.3	2,861.2	0.00	0.00	0.00
11,300.0	1.39	250.00	10,772.9	-616.0	-2,796.6	2,863.6	0.00	0.00	0.00
11,400.0	1.39	250.00	10,872.9	-616.8	-2,798.9	2,866.1	0.00	0.00	0.00
11,500.0	1.39	250.00	10,972.9	-617.6	-2,801.2	2,868.5	0.00	0.00	0.00
11,600.0	1.39	250.00	11,072.8	-618.5	-2,803.5	2,870.9	0.00	0.00	0.00
Cameo									
11,634.2	1.39	250.00	11,107.0	-618.8	-2,804.3	2,871.7	0.00	0.00	0.00
11,700.0	1.39	250.00	11,172.8	-619.3	-2,805.8	2,873.3	0.00	0.00	0.00
11,800.0	1.39	250.00	11,272.8	-620.1	-2,808.1	2,875.7	0.00	0.00	0.00
11,900.0	1.39	250.00	11,372.7	-621.0	-2,810.3	2,878.1	0.00	0.00	0.00
12,000.0	1.39	250.00	11,472.7	-621.8	-2,812.6	2,880.5	0.00	0.00	0.00
12,100.0	1.39	250.00	11,572.7	-622.6	-2,814.9	2,882.9	0.00	0.00	0.00
Rollins									
12,134.3	1.39	250.00	11,607.0	-622.9	-2,815.7	2,883.8	0.00	0.00	0.00
12,200.0	1.39	250.00	11,672.7	-623.5	-2,817.2	2,885.4	0.00	0.00	0.00
12,300.0	1.39	250.00	11,772.6	-624.3	-2,819.5	2,887.8	0.00	0.00	0.00
12,400.0	1.39	250.00	11,872.6	-625.1	-2,821.8	2,890.2	0.00	0.00	0.00
12,500.0	1.39	250.00	11,972.6	-626.0	-2,824.1	2,892.6	0.00	0.00	0.00
12,600.0	1.39	250.00	12,072.5	-626.8	-2,826.3	2,895.0	0.00	0.00	0.00
TD @ 12634.5' MD / 12107.0' TVD									
12,634.5	1.39	250.00	12,107.0	-627.1	-2,827.1	2,895.8	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 25C-22 496 - Slot 25C-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 25C-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 - 25C-22 - plan hits target center - Point	0.00	0.00	7,952.0	-592.9	-2,733.2	14,423,183.38	2,442,357.63	39.682518	-108.149897
PBHL - 25C-22 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,107.0	-627.1	-2,827.1	14,423,146.20	2,442,264.80	39.682424	-108.150231

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,477.5	3,281.0	Wasatch			
6,066.7	5,681.0	Wasatch G			
6,390.4	5,981.0	Fort Union			
8,478.3	7,952.0	Ohio Creek			
8,478.3	7,952.0	TOG			
8,871.4	8,345.0	William Fork			
11,634.2	11,107.0	Cameo			
12,134.3	11,607.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.0	300.0	0.0	0.0	Build 3° / 100'
1,034.7	1,016.7	-29.6	-136.4	EOB @ 22.04° Inc. / 257.76° Azm
7,743.6	7,235.3	-563.3	-2,596.8	Drop 3° / 100'
8,478.3	7,952.0	-592.9	-2,733.2	EOD @ Vertical / Build 1.5° / 100'
8,571.2	8,044.9	-593.3	-2,734.2	EOB @ 1.39° Inc. / 250.00° Azm
12,634.5	12,107.0	-627.1	-2,827.1	TD @ 12634.5' MD / 12107.0' TVD