

Project: Garfield County, CO
Site: BJU M23A 496 Pad
Well: BJU M23A FED 25C-23 496
Wellbore: Wellbore #1
Design: Design #2
Latitude: 39.683955
Longitude: -108.140256
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

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3407.0	3537.5	Wasatch
5807.0	6066.8	Wasatch G
6107.0	6382.9	Fort Union
8085.0	8445.4	Ohio Creek
8085.0	8445.4	TOG
8441.0	8801.5	William Fork
11392.0	11753.3	Cameo
11892.0	12253.5	Rollins

SECTION DETAILS

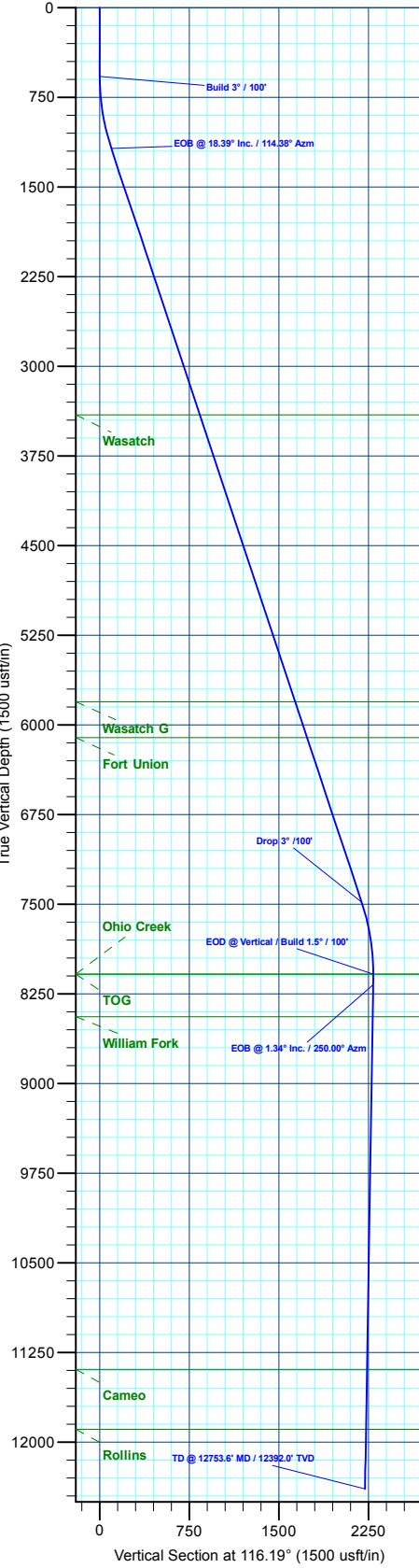
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
575.0	0.00	0.00	575.0	0.0	0.0	0.00	0.00	0.0	Build 3" / 100'
1188.2	18.39	114.38	1177.7	-40.3	88.9	3.00	114.38	97.5	EOB @ 18.39° Inc. / 114.38° Azm
7832.3	18.39	114.38	7482.3	-905.8	1998.5	0.00	0.00	2193.1	Drop 3" / 100'
8445.4	0.00	0.00	8085.0	-946.1	2087.4	3.00	180.00	2290.7	EOD @ Vertical / Build 1.5" / 100'
8535.0	1.34	250.00	8174.6	-946.4	2086.4	1.50	250.00	2289.9	EOB @ 1.34° Inc. / 250.00° Azm
12753.6	1.34	250.00	12392.0	-980.3	1993.5	0.00	0.00	2221.4	TD @ 12753.6' MD / 12392.0' TVD

DESIGN TARGET DETAILS

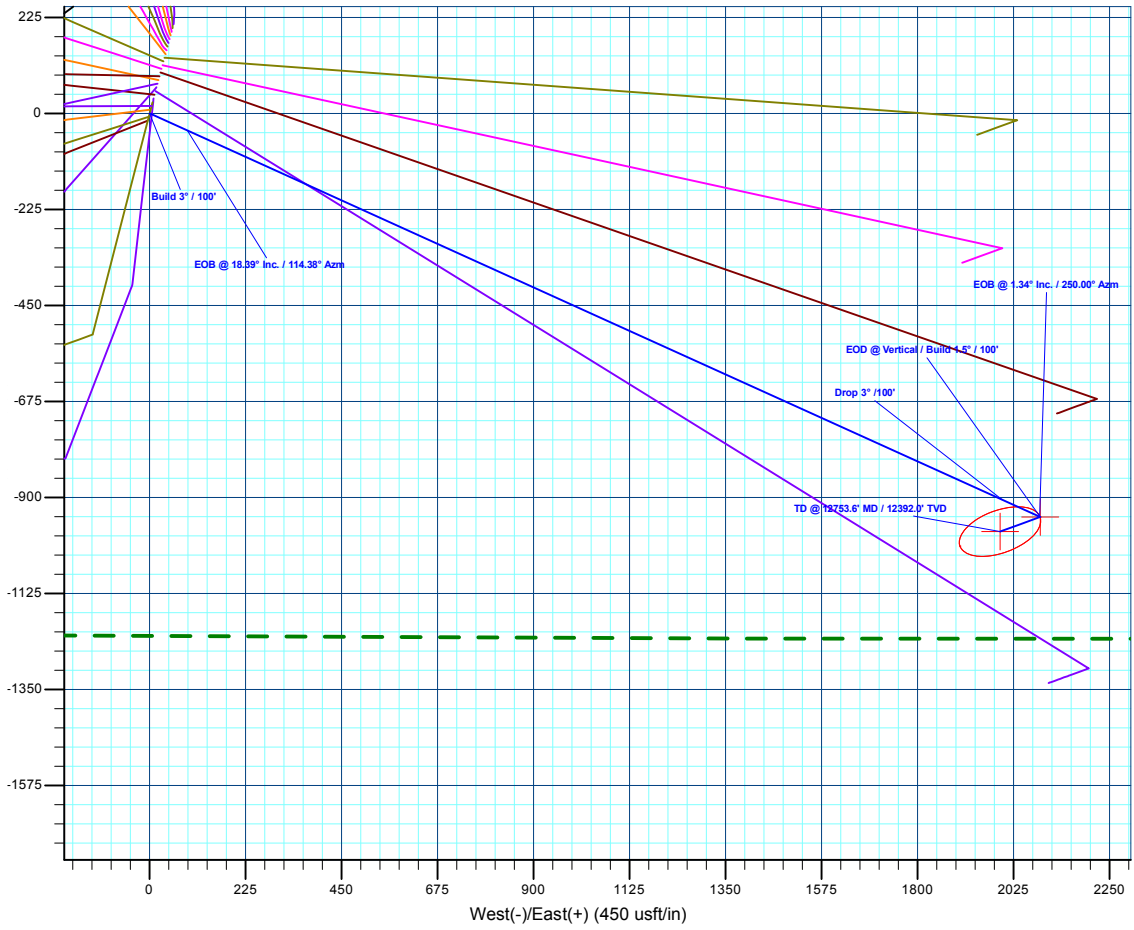
Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
OHCR - 25C-23	8085.0	-946.1	2087.4	14422913.98	2447170.43	39.681358	-108.132843
PBHL - 25C-23	12392.0	-980.3	1993.5	14422876.80	2447077.60	39.681264	-108.133176

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		14423793.00	2445053.90	39.683955	-108.140256	



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 #2 (BJU M23A FED 25C-23 496/Wellbore #1)
Created By: Will Jircik **Date: 16:14, July 18 2022**



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

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

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-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 #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-23 496 - Slot 25C-23		
Well Position	+N/-S -233.6 usft	Northing: 14,423,793.00 usft	Latitude: 39.683955
	+E/-W -63.2 usft	Easting: 2,445,053.90 usft	Longitude: -108.140257
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 #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	116.19

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		
575.0	0.00	0.00	575.0	0.0	0.0	0.00	0.00	0.00	0.00		
1,188.2	18.39	114.38	1,177.7	-40.3	88.9	3.00	3.00	0.00	114.38		
7,832.3	18.39	114.38	7,482.3	-905.8	1,998.5	0.00	0.00	0.00	0.00		
8,445.4	0.00	0.00	8,085.0	-946.1	2,087.4	3.00	-3.00	0.00	180.00	OHCR - 25C-23	
8,535.0	1.34	250.00	8,174.6	-946.4	2,086.4	1.50	1.50	-122.77	250.00		
12,753.6	1.34	250.00	12,392.0	-980.3	1,993.5	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 #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	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
Build 3° / 100'										
575.0	0.00	0.00	575.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.75	114.38	600.0	-0.1	0.1	0.2	3.00	3.00	0.00	
700.0	3.75	114.38	699.9	-1.7	3.7	4.1	3.00	3.00	0.00	
800.0	6.75	114.38	799.5	-5.5	12.1	13.2	3.00	3.00	0.00	
900.0	9.75	114.38	898.4	-11.4	25.1	27.6	3.00	3.00	0.00	
1,000.0	12.75	114.38	996.5	-19.4	42.9	47.1	3.00	3.00	0.00	
1,100.0	15.75	114.38	1,093.4	-29.6	65.3	71.7	3.00	3.00	0.00	
EOB @ 18.39° Inc. / 114.38° Azm										
1,188.2	18.39	114.38	1,177.7	-40.3	88.9	97.5	3.00	3.00	0.00	
1,200.0	18.39	114.38	1,188.9	-41.8	92.3	101.3	0.00	0.00	0.00	
1,300.0	18.39	114.38	1,283.8	-54.9	121.0	132.8	0.00	0.00	0.00	
1,400.0	18.39	114.38	1,378.7	-67.9	149.8	164.4	0.00	0.00	0.00	
1,500.0	18.39	114.38	1,473.6	-80.9	178.5	195.9	0.00	0.00	0.00	
1,600.0	18.39	114.38	1,568.5	-93.9	207.3	227.4	0.00	0.00	0.00	
1,700.0	18.39	114.38	1,663.4	-107.0	236.0	259.0	0.00	0.00	0.00	
1,800.0	18.39	114.38	1,758.3	-120.0	264.7	290.5	0.00	0.00	0.00	
1,900.0	18.39	114.38	1,853.1	-133.0	293.5	322.1	0.00	0.00	0.00	
2,000.0	18.39	114.38	1,948.0	-146.0	322.2	353.6	0.00	0.00	0.00	
2,100.0	18.39	114.38	2,042.9	-159.1	351.0	385.1	0.00	0.00	0.00	
2,200.0	18.39	114.38	2,137.8	-172.1	379.7	416.7	0.00	0.00	0.00	
2,300.0	18.39	114.38	2,232.7	-185.1	408.4	448.2	0.00	0.00	0.00	
2,400.0	18.39	114.38	2,327.6	-198.1	437.2	479.8	0.00	0.00	0.00	
2,500.0	18.39	114.38	2,422.5	-211.2	465.9	511.3	0.00	0.00	0.00	
2,600.0	18.39	114.38	2,517.4	-224.2	494.7	542.8	0.00	0.00	0.00	
2,700.0	18.39	114.38	2,612.3	-237.2	523.4	574.4	0.00	0.00	0.00	
2,800.0	18.39	114.38	2,707.2	-250.2	552.2	605.9	0.00	0.00	0.00	
2,900.0	18.39	114.38	2,802.1	-263.3	580.9	637.5	0.00	0.00	0.00	
3,000.0	18.39	114.38	2,896.9	-276.3	609.6	669.0	0.00	0.00	0.00	
3,100.0	18.39	114.38	2,991.8	-289.3	638.4	700.5	0.00	0.00	0.00	
3,200.0	18.39	114.38	3,086.7	-302.4	667.1	732.1	0.00	0.00	0.00	
3,300.0	18.39	114.38	3,181.6	-315.4	695.9	763.6	0.00	0.00	0.00	
3,400.0	18.39	114.38	3,276.5	-328.4	724.6	795.2	0.00	0.00	0.00	
3,500.0	18.39	114.38	3,371.4	-341.4	753.4	826.7	0.00	0.00	0.00	
Wasatch										
3,537.5	18.39	114.38	3,407.0	-346.3	764.1	838.5	0.00	0.00	0.00	
3,600.0	18.39	114.38	3,466.3	-354.5	782.1	858.2	0.00	0.00	0.00	
3,700.0	18.39	114.38	3,561.2	-367.5	810.8	889.8	0.00	0.00	0.00	
3,800.0	18.39	114.38	3,656.1	-380.5	839.6	921.3	0.00	0.00	0.00	
3,900.0	18.39	114.38	3,751.0	-393.5	868.3	952.9	0.00	0.00	0.00	
4,000.0	18.39	114.38	3,845.8	-406.6	897.1	984.4	0.00	0.00	0.00	
4,100.0	18.39	114.38	3,940.7	-419.6	925.8	1,015.9	0.00	0.00	0.00	
4,200.0	18.39	114.38	4,035.6	-432.6	954.5	1,047.5	0.00	0.00	0.00	
4,300.0	18.39	114.38	4,130.5	-445.6	983.3	1,079.0	0.00	0.00	0.00	
4,400.0	18.39	114.38	4,225.4	-458.7	1,012.0	1,110.6	0.00	0.00	0.00	
4,500.0	18.39	114.38	4,320.3	-471.7	1,040.8	1,142.1	0.00	0.00	0.00	
4,600.0	18.39	114.38	4,415.2	-484.7	1,069.5	1,173.7	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 #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)
4,700.0	18.39	114.38	4,510.1	-497.7	1,098.3	1,205.2	0.00	0.00	0.00
4,800.0	18.39	114.38	4,605.0	-510.8	1,127.0	1,236.7	0.00	0.00	0.00
4,900.0	18.39	114.38	4,699.9	-523.8	1,155.7	1,268.3	0.00	0.00	0.00
5,000.0	18.39	114.38	4,794.8	-536.8	1,184.5	1,299.8	0.00	0.00	0.00
5,100.0	18.39	114.38	4,889.6	-549.9	1,213.2	1,331.4	0.00	0.00	0.00
5,200.0	18.39	114.38	4,984.5	-562.9	1,242.0	1,362.9	0.00	0.00	0.00
5,300.0	18.39	114.38	5,079.4	-575.9	1,270.7	1,394.4	0.00	0.00	0.00
5,400.0	18.39	114.38	5,174.3	-588.9	1,299.5	1,426.0	0.00	0.00	0.00
5,500.0	18.39	114.38	5,269.2	-602.0	1,328.2	1,457.5	0.00	0.00	0.00
5,600.0	18.39	114.38	5,364.1	-615.0	1,356.9	1,489.1	0.00	0.00	0.00
5,700.0	18.39	114.38	5,459.0	-628.0	1,385.7	1,520.6	0.00	0.00	0.00
5,800.0	18.39	114.38	5,553.9	-641.0	1,414.4	1,552.1	0.00	0.00	0.00
5,900.0	18.39	114.38	5,648.8	-654.1	1,443.2	1,583.7	0.00	0.00	0.00
6,000.0	18.39	114.38	5,743.7	-667.1	1,471.9	1,615.2	0.00	0.00	0.00
Wasatch G									
6,066.8	18.39	114.38	5,807.0	-675.8	1,491.1	1,636.3	0.00	0.00	0.00
6,100.0	18.39	114.38	5,838.5	-680.1	1,500.7	1,646.8	0.00	0.00	0.00
6,200.0	18.39	114.38	5,933.4	-693.1	1,529.4	1,678.3	0.00	0.00	0.00
6,300.0	18.39	114.38	6,028.3	-706.2	1,558.1	1,709.8	0.00	0.00	0.00
Fort Union									
6,382.9	18.39	114.38	6,107.0	-717.0	1,582.0	1,736.0	0.00	0.00	0.00
6,400.0	18.39	114.38	6,123.2	-719.2	1,586.9	1,741.4	0.00	0.00	0.00
6,500.0	18.39	114.38	6,218.1	-732.2	1,615.6	1,772.9	0.00	0.00	0.00
6,600.0	18.39	114.38	6,313.0	-745.3	1,644.4	1,804.5	0.00	0.00	0.00
6,700.0	18.39	114.38	6,407.9	-758.3	1,673.1	1,836.0	0.00	0.00	0.00
6,800.0	18.39	114.38	6,502.8	-771.3	1,701.8	1,867.5	0.00	0.00	0.00
6,900.0	18.39	114.38	6,597.7	-784.3	1,730.6	1,899.1	0.00	0.00	0.00
7,000.0	18.39	114.38	6,692.6	-797.4	1,759.3	1,930.6	0.00	0.00	0.00
7,100.0	18.39	114.38	6,787.5	-810.4	1,788.1	1,962.2	0.00	0.00	0.00
7,200.0	18.39	114.38	6,882.3	-823.4	1,816.8	1,993.7	0.00	0.00	0.00
7,300.0	18.39	114.38	6,977.2	-836.4	1,845.6	2,025.2	0.00	0.00	0.00
7,400.0	18.39	114.38	7,072.1	-849.5	1,874.3	2,056.8	0.00	0.00	0.00
7,500.0	18.39	114.38	7,167.0	-862.5	1,903.0	2,088.3	0.00	0.00	0.00
7,600.0	18.39	114.38	7,261.9	-875.5	1,931.8	2,119.9	0.00	0.00	0.00
7,700.0	18.39	114.38	7,356.8	-888.5	1,960.5	2,151.4	0.00	0.00	0.00
7,800.0	18.39	114.38	7,451.7	-901.6	1,989.3	2,183.0	0.00	0.00	0.00
Drop 3° / 100'									
7,832.3	18.39	114.38	7,482.3	-905.8	1,998.5	2,193.1	0.00	0.00	0.00
7,900.0	16.36	114.38	7,546.9	-914.1	2,017.0	2,213.3	3.00	-3.00	0.00
8,000.0	13.36	114.38	7,643.6	-924.7	2,040.3	2,239.0	3.00	-3.00	0.00
8,100.0	10.36	114.38	7,741.4	-933.2	2,059.1	2,259.5	3.00	-3.00	0.00
8,200.0	7.36	114.38	7,840.2	-939.6	2,073.1	2,274.9	3.00	-3.00	0.00
8,300.0	4.36	114.38	7,939.7	-943.8	2,082.4	2,285.1	3.00	-3.00	0.00
8,400.0	1.36	114.38	8,039.6	-945.8	2,086.9	2,290.1	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG									
8,445.4	0.00	0.00	8,085.0	-946.1	2,087.4	2,290.7	3.00	-3.00	0.00
8,500.0	0.82	250.00	8,139.6	-946.2	2,087.1	2,290.4	1.50	1.50	0.00
EOB @ 1.34° Inc. / 250.00° Azm									
8,535.0	1.34	250.00	8,174.6	-946.4	2,086.4	2,289.9	1.50	1.50	0.00
8,600.0	1.34	250.00	8,239.5	-946.9	2,085.0	2,288.9	0.00	0.00	0.00
8,700.0	1.34	250.00	8,339.5	-947.7	2,082.8	2,287.3	0.00	0.00	0.00
8,800.0	1.34	250.00	8,439.5	-948.5	2,080.6	2,285.6	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 #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)
William Fork									
8,801.5	1.34	250.00	8,441.0	-948.6	2,080.6	2,285.6	0.00	0.00	0.00
8,900.0	1.34	250.00	8,539.4	-949.3	2,078.4	2,284.0	0.00	0.00	0.00
9,000.0	1.34	250.00	8,639.4	-950.1	2,076.2	2,282.4	0.00	0.00	0.00
9,100.0	1.34	250.00	8,739.4	-950.9	2,074.0	2,280.8	0.00	0.00	0.00
9,200.0	1.34	250.00	8,839.4	-951.7	2,071.8	2,279.1	0.00	0.00	0.00
9,300.0	1.34	250.00	8,939.3	-952.6	2,069.6	2,277.5	0.00	0.00	0.00
9,400.0	1.34	250.00	9,039.3	-953.4	2,067.4	2,275.9	0.00	0.00	0.00
9,500.0	1.34	250.00	9,139.3	-954.2	2,065.2	2,274.3	0.00	0.00	0.00
9,600.0	1.34	250.00	9,239.3	-955.0	2,063.0	2,272.6	0.00	0.00	0.00
9,700.0	1.34	250.00	9,339.2	-955.8	2,060.8	2,271.0	0.00	0.00	0.00
9,800.0	1.34	250.00	9,439.2	-956.6	2,058.6	2,269.4	0.00	0.00	0.00
9,900.0	1.34	250.00	9,539.2	-957.4	2,056.4	2,267.8	0.00	0.00	0.00
10,000.0	1.34	250.00	9,639.1	-958.2	2,054.2	2,266.2	0.00	0.00	0.00
10,100.0	1.34	250.00	9,739.1	-959.0	2,051.9	2,264.5	0.00	0.00	0.00
10,200.0	1.34	250.00	9,839.1	-959.8	2,049.7	2,262.9	0.00	0.00	0.00
10,300.0	1.34	250.00	9,939.1	-960.6	2,047.5	2,261.3	0.00	0.00	0.00
10,400.0	1.34	250.00	10,039.0	-961.4	2,045.3	2,259.7	0.00	0.00	0.00
10,500.0	1.34	250.00	10,139.0	-962.2	2,043.1	2,258.0	0.00	0.00	0.00
10,600.0	1.34	250.00	10,239.0	-963.0	2,040.9	2,256.4	0.00	0.00	0.00
10,700.0	1.34	250.00	10,339.0	-963.8	2,038.7	2,254.8	0.00	0.00	0.00
10,800.0	1.34	250.00	10,438.9	-964.6	2,036.5	2,253.2	0.00	0.00	0.00
10,900.0	1.34	250.00	10,538.9	-965.4	2,034.3	2,251.5	0.00	0.00	0.00
11,000.0	1.34	250.00	10,638.9	-966.2	2,032.1	2,249.9	0.00	0.00	0.00
11,100.0	1.34	250.00	10,738.8	-967.0	2,029.9	2,248.3	0.00	0.00	0.00
11,200.0	1.34	250.00	10,838.8	-967.8	2,027.7	2,246.7	0.00	0.00	0.00
11,300.0	1.34	250.00	10,938.8	-968.6	2,025.5	2,245.0	0.00	0.00	0.00
11,400.0	1.34	250.00	11,038.8	-969.4	2,023.3	2,243.4	0.00	0.00	0.00
11,500.0	1.34	250.00	11,138.7	-970.2	2,021.1	2,241.8	0.00	0.00	0.00
11,600.0	1.34	250.00	11,238.7	-971.0	2,018.9	2,240.2	0.00	0.00	0.00
11,700.0	1.34	250.00	11,338.7	-971.8	2,016.7	2,238.5	0.00	0.00	0.00
Cameo									
11,753.3	1.34	250.00	11,392.0	-972.2	2,015.5	2,237.7	0.00	0.00	0.00
11,800.0	1.34	250.00	11,438.7	-972.6	2,014.5	2,236.9	0.00	0.00	0.00
11,900.0	1.34	250.00	11,538.6	-973.4	2,012.3	2,235.3	0.00	0.00	0.00
12,000.0	1.34	250.00	11,638.6	-974.2	2,010.1	2,233.7	0.00	0.00	0.00
12,100.0	1.34	250.00	11,738.6	-975.0	2,007.9	2,232.1	0.00	0.00	0.00
12,200.0	1.34	250.00	11,838.5	-975.8	2,005.7	2,230.4	0.00	0.00	0.00
Rollins									
12,253.5	1.34	250.00	11,892.0	-976.2	2,004.5	2,229.6	0.00	0.00	0.00
12,300.0	1.34	250.00	11,938.5	-976.6	2,003.5	2,228.8	0.00	0.00	0.00
12,400.0	1.34	250.00	12,038.5	-977.4	2,001.3	2,227.2	0.00	0.00	0.00
12,500.0	1.34	250.00	12,138.5	-978.2	1,999.0	2,225.6	0.00	0.00	0.00
12,600.0	1.34	250.00	12,238.4	-979.0	1,996.8	2,223.9	0.00	0.00	0.00
12,700.0	1.34	250.00	12,338.4	-979.8	1,994.6	2,222.3	0.00	0.00	0.00
TD @ 12753.6' MD / 12392.0' TVD									
12,753.6	1.34	250.00	12,392.0	-980.3	1,993.5	2,221.4	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 #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-23 - plan hits target center - Point	0.00	0.00	8,085.0	-946.1	2,087.4	14,422,913.98	2,447,170.43	39.681358	-108.132843
PBHL - 25C-23 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,392.0	-980.3	1,993.5	14,422,876.80	2,447,077.60	39.681264	-108.133177

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,537.5	3,407.0	Wasatch			
6,066.8	5,807.0	Wasatch G			
6,382.9	6,107.0	Fort Union			
8,445.4	8,085.0	Ohio Creek			
8,445.4	8,085.0	TOG			
8,801.5	8,441.0	William Fork			
11,753.3	11,392.0	Cameo			
12,253.5	11,892.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
575.0	575.0	0.0	0.0	Build 3° / 100'
1,188.2	1,177.7	-40.3	88.9	EOB @ 18.39° Inc. / 114.38° Azm
7,832.3	7,482.3	-905.8	1,998.5	Drop 3° / 100'
8,445.4	8,085.0	-946.1	2,087.4	EOD @ Vertical / Build 1.5° / 100'
8,535.0	8,174.6	-946.4	2,086.4	EOB @ 1.34° Inc. / 250.00° Azm
12,753.6	12,392.0	-980.3	1,993.5	TD @ 12753.6' MD / 12392.0' TVD