

Project: Garfield County, CO
 Site: BJU M23A 496 Pad
 Well: BJU M23A FED 24D-23 496
 Wellbore: Wellbore #1
 Design: Design #3
 Latitude: 39.684265
 Longitude: -108.140148
 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 - 24D-23(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8134.0usft (30')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3460.0	3504.0	Wasatch
5860.0	5939.7	Wasatch G
6160.0	6244.2	Fort Union
8127.0	8237.2	Ohio Creek
8528.0	8638.3	Williams Fork
11393.0	11504.1	Cameo
11893.0	12004.2	Rollins

SECTION DETAILS

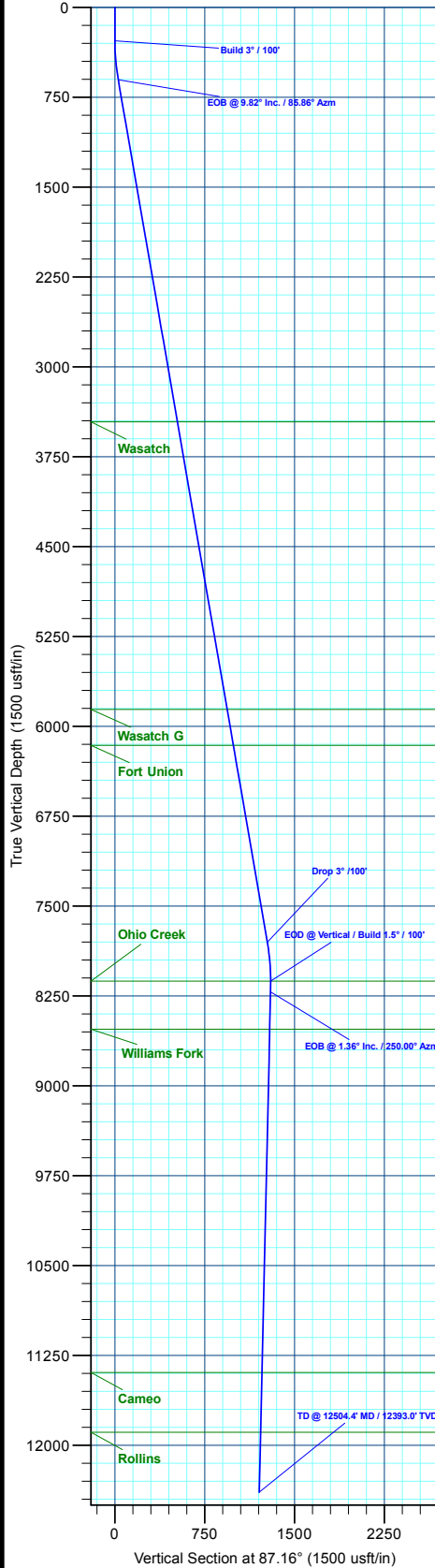
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
280.0	0.00	0.00	280.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
607.3	9.82	85.86	605.7	2.0	27.9	3.00	85.86	28.0	EOB @ 9.82° Inc. / 85.86° Azm
7909.9	9.82	85.86	7801.3	91.9	1270.1	0.00	0.00	1273.1	Drop 3° / 100'
8237.2	0.00	0.00	8127.0	93.9	1298.0	3.00	180.00	1301.0	EOD @ Vertical / Build 1.5° / 100'
8327.7	1.36	250.00	8217.5	93.6	1297.0	1.50	250.00	1300.0	EOB @ 1.36° Inc. / 250.00° Azm
12504.4	1.36	250.00	12393.0	59.7	1204.0	0.00	0.00	1205.5	TD @ 12504.4' MD / 12393.0' TVD

DESIGN TARGET DETAILS

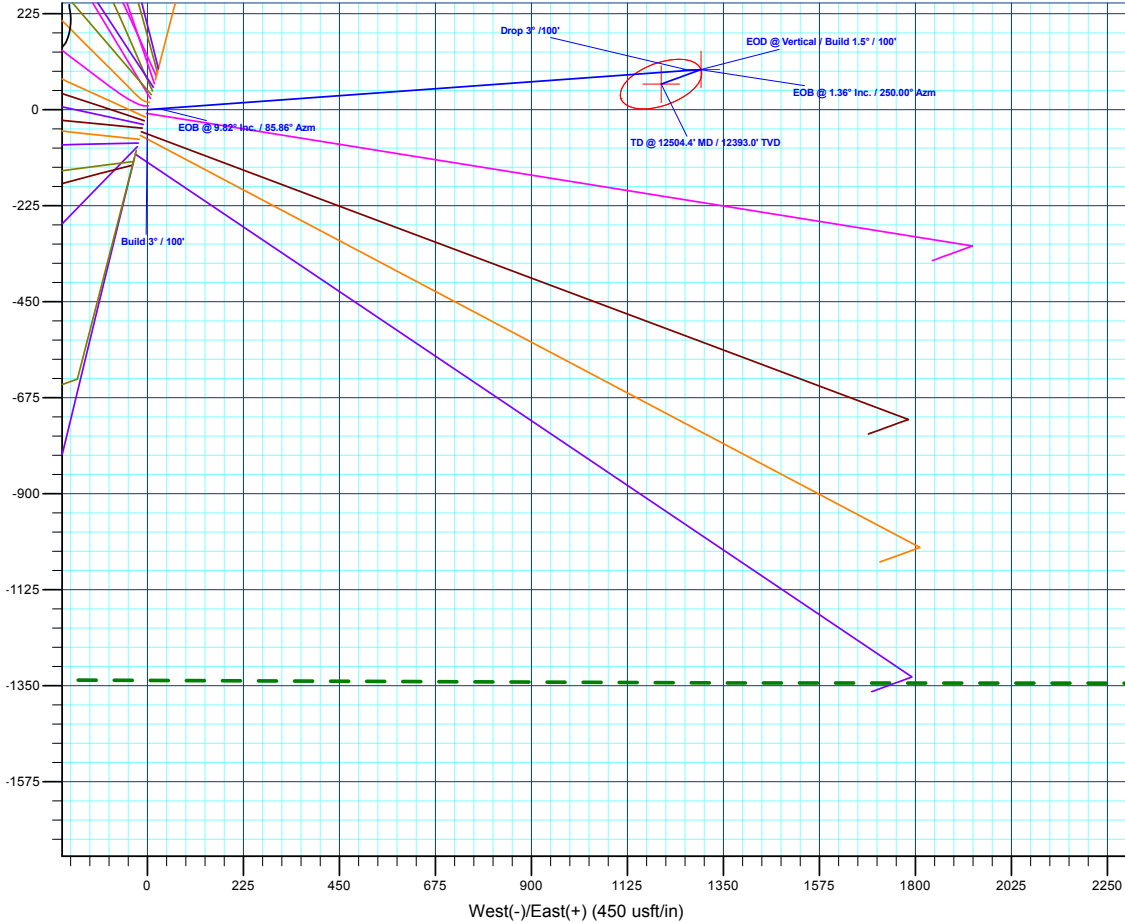
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 24D-23	8127.0	93.9	1298.0	14424042.18	2446375.13	39.684522	-108.135538
PBHL - 24D-23	12393.0	59.7	1204.0	14424005.00	2446282.30	39.684429	-108.135872

WELL DETAILS: BJU M23A FED 24D-23 496

+N/-S	+E/-W	Ground Level : 8104.0	Northing	Easting	Latitude	Longitude
0.0	0.0		14423906.90	2445080.80	39.684265	-108.140148



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 24D-23 496/Wellbore #1)

Created By: Will Jircik Date: 5:07, January 05 2023



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 24D-23 496 - Slot 24D-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 24D-23 496 - Slot 24D-23
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 24D-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:	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 24D-23 496 - Slot 24D-23					
Well Position	+N/-S	-120.6 usft	Northing:	14,423,906.90 usft	Latitude:	39.684265
	+E/-W	-32.7 usft	Easting:	2,445,080.80 usft	Longitude:	-108.140148
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	87.16

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		
280.0	0.00	0.00	280.0	0.0	0.0	0.00	0.00	0.00	0.00		
607.3	9.82	85.86	605.7	2.0	27.9	3.00	3.00	0.00	85.86		
7,909.9	9.82	85.86	7,801.3	91.9	1,270.1	0.00	0.00	0.00	0.00		
8,237.2	0.00	0.00	8,127.0	93.9	1,298.0	3.00	-3.00	0.00	180.00	OHCR - 24D-23	
8,327.7	1.36	250.00	8,217.5	93.6	1,297.0	1.50	1.50	-121.57	250.00		
12,504.4	1.36	250.00	12,393.0	59.7	1,204.0	0.00	0.00	0.00	0.00	PBHL - 24D-23	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24D-23 496 - Slot 24D-23
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 24D-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
Build 3° / 100'									
280.0	0.00	0.00	280.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.60	85.86	300.0	0.0	0.1	0.1	3.00	3.00	0.00
400.0	3.60	85.86	399.9	0.3	3.8	3.8	3.00	3.00	0.00
500.0	6.60	85.86	499.5	0.9	12.6	12.7	3.00	3.00	0.00
EOB @ 9.82° Inc. / 85.86° Azm									
607.3	9.82	85.86	605.7	2.0	27.9	28.0	3.00	3.00	0.00
700.0	9.82	85.86	697.0	3.2	43.7	43.8	0.00	0.00	0.00
800.0	9.82	85.86	795.6	4.4	60.7	60.8	0.00	0.00	0.00
900.0	9.82	85.86	894.1	5.6	77.7	77.9	0.00	0.00	0.00
1,000.0	9.82	85.86	992.6	6.9	94.7	94.9	0.00	0.00	0.00
1,100.0	9.82	85.86	1,091.2	8.1	111.7	112.0	0.00	0.00	0.00
1,200.0	9.82	85.86	1,189.7	9.3	128.7	129.0	0.00	0.00	0.00
1,300.0	9.82	85.86	1,288.3	10.5	145.7	146.1	0.00	0.00	0.00
1,400.0	9.82	85.86	1,386.8	11.8	162.7	163.1	0.00	0.00	0.00
1,500.0	9.82	85.86	1,485.3	13.0	179.8	180.2	0.00	0.00	0.00
1,600.0	9.82	85.86	1,583.9	14.2	196.8	197.2	0.00	0.00	0.00
1,700.0	9.82	85.86	1,682.4	15.5	213.8	214.3	0.00	0.00	0.00
1,800.0	9.82	85.86	1,780.9	16.7	230.8	231.3	0.00	0.00	0.00
1,900.0	9.82	85.86	1,879.5	17.9	247.8	248.4	0.00	0.00	0.00
2,000.0	9.82	85.86	1,978.0	19.2	264.8	265.4	0.00	0.00	0.00
2,100.0	9.82	85.86	2,076.5	20.4	281.8	282.5	0.00	0.00	0.00
2,200.0	9.82	85.86	2,175.1	21.6	298.8	299.5	0.00	0.00	0.00
2,300.0	9.82	85.86	2,273.6	22.9	315.8	316.6	0.00	0.00	0.00
2,400.0	9.82	85.86	2,372.1	24.1	332.8	333.6	0.00	0.00	0.00
2,500.0	9.82	85.86	2,470.7	25.3	349.9	350.7	0.00	0.00	0.00
2,600.0	9.82	85.86	2,569.2	26.6	366.9	367.7	0.00	0.00	0.00
2,700.0	9.82	85.86	2,667.7	27.8	383.9	384.8	0.00	0.00	0.00
2,800.0	9.82	85.86	2,766.3	29.0	400.9	401.8	0.00	0.00	0.00
2,900.0	9.82	85.86	2,864.8	30.2	417.9	418.9	0.00	0.00	0.00
3,000.0	9.82	85.86	2,963.3	31.5	434.9	435.9	0.00	0.00	0.00
3,100.0	9.82	85.86	3,061.9	32.7	451.9	453.0	0.00	0.00	0.00
3,200.0	9.82	85.86	3,160.4	33.9	468.9	470.0	0.00	0.00	0.00
3,300.0	9.82	85.86	3,259.0	35.2	485.9	487.1	0.00	0.00	0.00
3,400.0	9.82	85.86	3,357.5	36.4	502.9	504.1	0.00	0.00	0.00
3,500.0	9.82	85.86	3,456.0	37.6	520.0	521.2	0.00	0.00	0.00
Wasatch									
3,504.0	9.82	85.86	3,460.0	37.7	520.6	521.9	0.00	0.00	0.00
3,600.0	9.82	85.86	3,554.6	38.9	537.0	538.2	0.00	0.00	0.00
3,700.0	9.82	85.86	3,653.1	40.1	554.0	555.3	0.00	0.00	0.00
3,800.0	9.82	85.86	3,751.6	41.3	571.0	572.3	0.00	0.00	0.00
3,900.0	9.82	85.86	3,850.2	42.6	588.0	589.4	0.00	0.00	0.00
4,000.0	9.82	85.86	3,948.7	43.8	605.0	606.4	0.00	0.00	0.00
4,100.0	9.82	85.86	4,047.2	45.0	622.0	623.5	0.00	0.00	0.00
4,200.0	9.82	85.86	4,145.8	46.2	639.0	640.5	0.00	0.00	0.00
4,300.0	9.82	85.86	4,244.3	47.5	656.0	657.6	0.00	0.00	0.00
4,400.0	9.82	85.86	4,342.8	48.7	673.0	674.6	0.00	0.00	0.00
4,500.0	9.82	85.86	4,441.4	49.9	690.1	691.7	0.00	0.00	0.00
4,600.0	9.82	85.86	4,539.9	51.2	707.1	708.7	0.00	0.00	0.00
4,700.0	9.82	85.86	4,638.4	52.4	724.1	725.8	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 24D-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)
4,800.0	9.82	85.86	4,737.0	53.6	741.1	742.8	0.00	0.00	0.00
4,900.0	9.82	85.86	4,835.5	54.9	758.1	759.9	0.00	0.00	0.00
5,000.0	9.82	85.86	4,934.0	56.1	775.1	776.9	0.00	0.00	0.00
5,100.0	9.82	85.86	5,032.6	57.3	792.1	794.0	0.00	0.00	0.00
5,200.0	9.82	85.86	5,131.1	58.6	809.1	811.0	0.00	0.00	0.00
5,300.0	9.82	85.86	5,229.7	59.8	826.1	828.1	0.00	0.00	0.00
5,400.0	9.82	85.86	5,328.2	61.0	843.1	845.1	0.00	0.00	0.00
5,500.0	9.82	85.86	5,426.7	62.3	860.2	862.2	0.00	0.00	0.00
5,600.0	9.82	85.86	5,525.3	63.5	877.2	879.2	0.00	0.00	0.00
5,700.0	9.82	85.86	5,623.8	64.7	894.2	896.3	0.00	0.00	0.00
5,800.0	9.82	85.86	5,722.3	65.9	911.2	913.3	0.00	0.00	0.00
5,900.0	9.82	85.86	5,820.9	67.2	928.2	930.4	0.00	0.00	0.00
Wasatch G									
5,939.7	9.82	85.86	5,860.0	67.7	935.0	937.2	0.00	0.00	0.00
6,000.0	9.82	85.86	5,919.4	68.4	945.2	947.4	0.00	0.00	0.00
6,100.0	9.82	85.86	6,017.9	69.6	962.2	964.5	0.00	0.00	0.00
6,200.0	9.82	85.86	6,116.5	70.9	979.2	981.5	0.00	0.00	0.00
Fort Union									
6,244.2	9.82	85.86	6,160.0	71.4	986.7	989.1	0.00	0.00	0.00
6,300.0	9.82	85.86	6,215.0	72.1	996.2	998.6	0.00	0.00	0.00
6,400.0	9.82	85.86	6,313.5	73.3	1,013.2	1,015.6	0.00	0.00	0.00
6,500.0	9.82	85.86	6,412.1	74.6	1,030.3	1,032.7	0.00	0.00	0.00
6,600.0	9.82	85.86	6,510.6	75.8	1,047.3	1,049.7	0.00	0.00	0.00
6,700.0	9.82	85.86	6,609.1	77.0	1,064.3	1,066.8	0.00	0.00	0.00
6,800.0	9.82	85.86	6,707.7	78.3	1,081.3	1,083.8	0.00	0.00	0.00
6,900.0	9.82	85.86	6,806.2	79.5	1,098.3	1,100.9	0.00	0.00	0.00
7,000.0	9.82	85.86	6,904.7	80.7	1,115.3	1,117.9	0.00	0.00	0.00
7,100.0	9.82	85.86	7,003.3	82.0	1,132.3	1,135.0	0.00	0.00	0.00
7,200.0	9.82	85.86	7,101.8	83.2	1,149.3	1,152.0	0.00	0.00	0.00
7,300.0	9.82	85.86	7,200.4	84.4	1,166.3	1,169.1	0.00	0.00	0.00
7,400.0	9.82	85.86	7,298.9	85.6	1,183.3	1,186.1	0.00	0.00	0.00
7,500.0	9.82	85.86	7,397.4	86.9	1,200.4	1,203.2	0.00	0.00	0.00
7,600.0	9.82	85.86	7,496.0	88.1	1,217.4	1,220.2	0.00	0.00	0.00
7,700.0	9.82	85.86	7,594.5	89.3	1,234.4	1,237.3	0.00	0.00	0.00
7,800.0	9.82	85.86	7,693.0	90.6	1,251.4	1,254.3	0.00	0.00	0.00
Drop 3° /100'									
7,909.9	9.82	85.86	7,801.3	91.9	1,270.1	1,273.1	0.00	0.00	0.00
8,000.0	7.12	85.86	7,890.4	92.9	1,283.3	1,286.3	3.00	-3.00	0.00
8,100.0	4.12	85.86	7,989.9	93.6	1,293.1	1,296.1	3.00	-3.00	0.00
8,200.0	1.12	85.86	8,089.8	93.9	1,297.6	1,300.7	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek									
8,237.2	0.00	0.00	8,127.0	93.9	1,298.0	1,301.0	3.00	-3.00	0.00
8,300.0	0.94	250.00	8,189.8	93.8	1,297.5	1,300.6	1.50	1.50	0.00
EOB @ 1.36° Inc. / 250.00° Azm									
8,327.7	1.36	250.00	8,217.5	93.6	1,297.0	1,300.0	1.50	1.50	0.00
8,400.0	1.36	250.00	8,289.8	93.0	1,295.4	1,298.4	0.00	0.00	0.00
8,500.0	1.36	250.00	8,389.8	92.2	1,293.1	1,296.1	0.00	0.00	0.00
8,600.0	1.36	250.00	8,489.7	91.4	1,290.9	1,293.9	0.00	0.00	0.00
Williams Fork									
8,638.3	1.36	250.00	8,528.0	91.1	1,290.1	1,293.0	0.00	0.00	0.00
8,700.0	1.36	250.00	8,589.7	90.6	1,288.7	1,291.6	0.00	0.00	0.00
8,800.0	1.36	250.00	8,689.7	89.7	1,286.5	1,289.3	0.00	0.00	0.00

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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)
8,900.0	1.36	250.00	8,789.6	88.9	1,284.2	1,287.1	0.00	0.00	0.00
9,000.0	1.36	250.00	8,889.6	88.1	1,282.0	1,284.8	0.00	0.00	0.00
9,100.0	1.36	250.00	8,989.6	87.3	1,279.8	1,282.5	0.00	0.00	0.00
9,200.0	1.36	250.00	9,089.6	86.5	1,277.6	1,280.3	0.00	0.00	0.00
9,300.0	1.36	250.00	9,189.5	85.7	1,275.3	1,278.0	0.00	0.00	0.00
9,400.0	1.36	250.00	9,289.5	84.9	1,273.1	1,275.8	0.00	0.00	0.00
9,500.0	1.36	250.00	9,389.5	84.1	1,270.9	1,273.5	0.00	0.00	0.00
9,600.0	1.36	250.00	9,489.4	83.3	1,268.7	1,271.2	0.00	0.00	0.00
9,700.0	1.36	250.00	9,589.4	82.5	1,266.4	1,269.0	0.00	0.00	0.00
9,800.0	1.36	250.00	9,689.4	81.6	1,264.2	1,266.7	0.00	0.00	0.00
9,900.0	1.36	250.00	9,789.4	80.8	1,262.0	1,264.4	0.00	0.00	0.00
10,000.0	1.36	250.00	9,889.3	80.0	1,259.8	1,262.2	0.00	0.00	0.00
10,100.0	1.36	250.00	9,989.3	79.2	1,257.5	1,259.9	0.00	0.00	0.00
10,200.0	1.36	250.00	10,089.3	78.4	1,255.3	1,257.6	0.00	0.00	0.00
10,300.0	1.36	250.00	10,189.3	77.6	1,253.1	1,255.4	0.00	0.00	0.00
10,400.0	1.36	250.00	10,289.2	76.8	1,250.9	1,253.1	0.00	0.00	0.00
10,500.0	1.36	250.00	10,389.2	76.0	1,248.6	1,250.9	0.00	0.00	0.00
10,600.0	1.36	250.00	10,489.2	75.2	1,246.4	1,248.6	0.00	0.00	0.00
10,700.0	1.36	250.00	10,589.1	74.4	1,244.2	1,246.3	0.00	0.00	0.00
10,800.0	1.36	250.00	10,689.1	73.5	1,242.0	1,244.1	0.00	0.00	0.00
10,900.0	1.36	250.00	10,789.1	72.7	1,239.7	1,241.8	0.00	0.00	0.00
11,000.0	1.36	250.00	10,889.1	71.9	1,237.5	1,239.5	0.00	0.00	0.00
11,100.0	1.36	250.00	10,989.0	71.1	1,235.3	1,237.3	0.00	0.00	0.00
11,200.0	1.36	250.00	11,089.0	70.3	1,233.0	1,235.0	0.00	0.00	0.00
11,300.0	1.36	250.00	11,189.0	69.5	1,230.8	1,232.8	0.00	0.00	0.00
11,400.0	1.36	250.00	11,288.9	68.7	1,228.6	1,230.5	0.00	0.00	0.00
11,500.0	1.36	250.00	11,388.9	67.9	1,226.4	1,228.2	0.00	0.00	0.00
Cameo									
11,504.1	1.36	250.00	11,393.0	67.8	1,226.3	1,228.1	0.00	0.00	0.00
11,600.0	1.36	250.00	11,488.9	67.1	1,224.1	1,226.0	0.00	0.00	0.00
11,700.0	1.36	250.00	11,588.9	66.3	1,221.9	1,223.7	0.00	0.00	0.00
11,800.0	1.36	250.00	11,688.8	65.4	1,219.7	1,221.4	0.00	0.00	0.00
11,900.0	1.36	250.00	11,788.8	64.6	1,217.5	1,219.2	0.00	0.00	0.00
12,000.0	1.36	250.00	11,888.8	63.8	1,215.2	1,216.9	0.00	0.00	0.00
Rollins									
12,004.2	1.36	250.00	11,893.0	63.8	1,215.1	1,216.8	0.00	0.00	0.00
12,100.0	1.36	250.00	11,988.7	63.0	1,213.0	1,214.6	0.00	0.00	0.00
12,200.0	1.36	250.00	12,088.7	62.2	1,210.8	1,212.4	0.00	0.00	0.00
12,300.0	1.36	250.00	12,188.7	61.4	1,208.6	1,210.1	0.00	0.00	0.00
12,400.0	1.36	250.00	12,288.7	60.6	1,206.3	1,207.9	0.00	0.00	0.00
TD @ 12504.4' MD / 12393.0' TVD									
12,504.4	1.36	250.00	12,393.0	59.7	1,204.0	1,205.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 24D-23 496 - Slot 24D-23
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 24D-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 - 24D-23 - plan hits target center - Point	0.00	0.00	8,127.0	93.9	1,298.0	14,424,042.18	2,446,375.13	39.684522	-108.135538
PBHL - 24D-23 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	12,393.0	59.7	1,204.0	14,424,005.00	2,446,282.30	39.684429	-108.135872

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,504.0	3,460.0	Wasatch			
5,939.7	5,860.0	Wasatch G			
6,244.2	6,160.0	Fort Union			
8,237.2	8,127.0	Ohio Creek			
8,638.3	8,528.0	Williams Fork			
11,504.1	11,393.0	Cameo			
12,004.2	11,893.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
280.0	280.0	0.0	0.0	Build 3° / 100'
607.3	605.7	2.0	27.9	EOB @ 9.82° Inc. / 85.86° Azm
7,909.9	7,801.3	91.9	1,270.1	Drop 3° /100'
8,237.2	8,127.0	93.9	1,298.0	EOD @ Vertical / Build 1.5° / 100'
8,327.7	8,217.5	93.6	1,297.0	EOB @ 1.36° Inc. / 250.00° Azm
12,504.4	12,393.0	59.7	1,204.0	TD @ 12504.4' MD / 12393.0' TVD