

Project: Garfield County, CO
 Site: BJU M23A 496 Pad
 Well: BJU M23A FED 15B-23 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.684192
 Longitude: -108.140173
 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 - BJU M23A FED 15B-23 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8134.0usft (30')
 Calculation Method: Minimum Curvature

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	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
733.4	7.00	194.53	732.8	-13.8	-3.6	3.00	194.53	14.1	EOB @ 7.00° Inc. / 194.53° Azm
5626.3	7.00	194.53	5589.2	-591.1	-153.2	0.00	0.00	606.3	Drop 3° / 100'
5859.6	0.00	0.00	5822.0	-604.9	-156.7	3.00	180.00	620.4	EOD @ Vertical
8069.6	0.00	0.00	8032.0	-604.9	-156.7	0.00	0.00	620.4	Build 1.5° / 100'
8168.1	1.48	250.00	8130.4	-605.4	-157.9	1.50	250.00	621.2	EOB @ 1.48° Inc. / 250.00° Azm
11999.9	1.48	250.00	11961.0	-639.1	-250.7	0.00	0.00	686.5	TD @ 11999.9' MD / 11961.0' TVD

DESIGN TARGET DETAILS

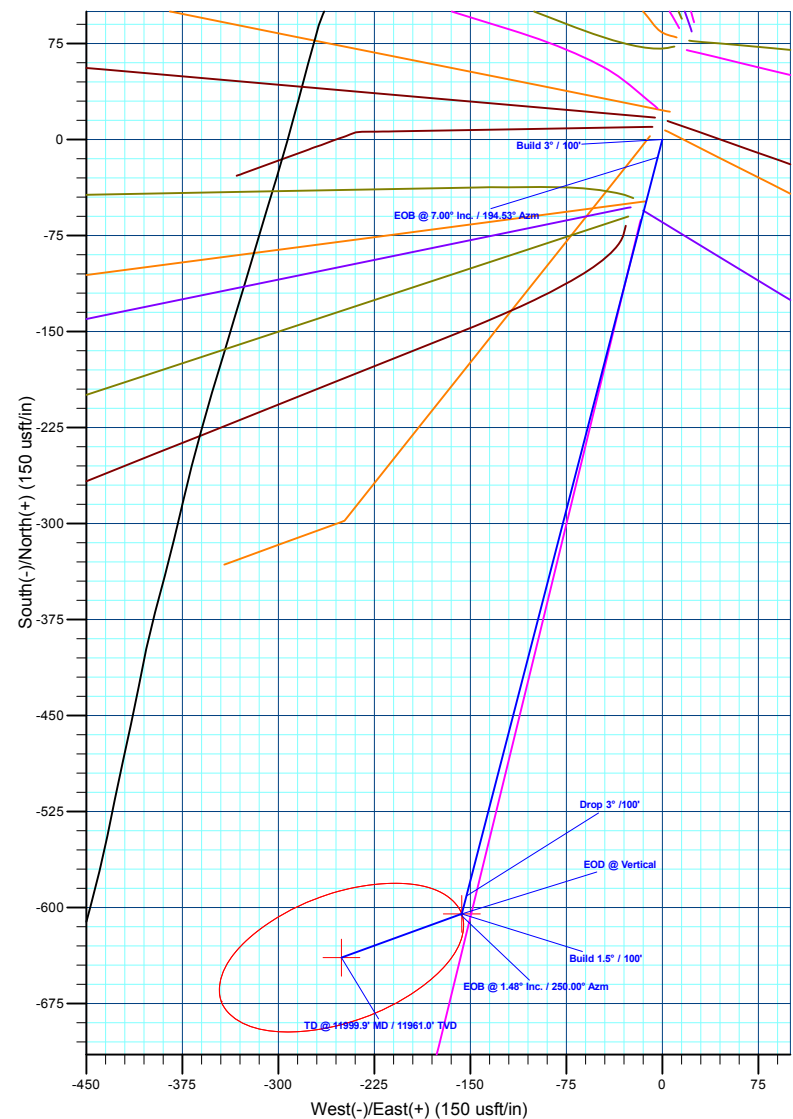
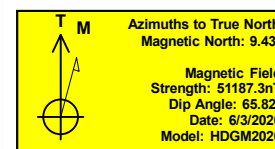
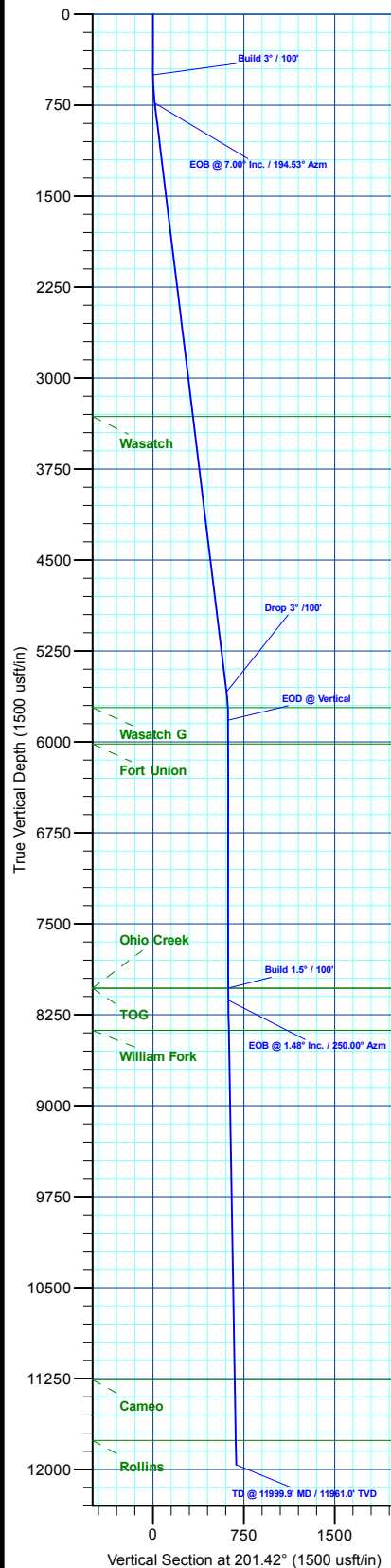
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 15B-23	8032.0	-604.9	-156.7	14423270.48	2444937.13	39.682532	-108.140730
PBHL - 15B-23	11961.0	-639.1	-250.7	14423233.30	2444844.30	39.682438	-108.141064

WELL DETAILS: BJU M23A FED 15B-23 496

+N/-S	+E/-W	Ground Level : 8104.0	Northing	Easting	Latitude	Longitude
0.0	0.0		14423880.10	2445074.50	39.684192	-108.140173

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3318.0	3338.0	Wasatch
5718.0	5755.6	Wasatch G
6018.0	6055.6	Fort Union
8032.0	8069.6	Ohio Creek
8032.0	8069.6	TOG
8379.0	8416.7	William Fork
11261.0	11299.7	Cameo
11761.0	11799.9	Rollins



Plan: Design #1 (BJU M23A FED 15B-23 496/Wellbore #1)

Created By: Will Jircik

Date: 9:49, June 05 2020



Caerus Oil & Gas

Garfield County, CO

BJU M23A 496 Pad

BJU M23A FED 15B-23 496 - Slot BJU M23A FED 15B-23 496

Wellbore #1

Plan: Design #1

QES Well Planning Report

05 June, 2020



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 15B-23 496 - Slot BJU M23A FED 15B-23 496
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 15B-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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 15B-23 496 - Slot BJU M23A FED 15B-23 496		
Well Position	+N/-S	-147.2 usft	Northing: 14,423,880.10 usft
	+E/-W	-39.8 usft	Easting: 2,445,074.50 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 39.684192
			Longitude: -108.140174
			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 #1				
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	201.42	

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	
733.4	7.00	194.53	732.8	-13.8	-3.6	3.00	3.00	0.00	194.53	
5,626.3	7.00	194.53	5,589.2	-591.1	-153.2	0.00	0.00	0.00	0.00	
5,859.6	0.00	0.00	5,822.0	-604.9	-156.7	3.00	-3.00	0.00	180.00	
8,069.6	0.00	0.00	8,032.0	-604.9	-156.7	0.00	0.00	0.00	0.00	OHCR - 15B-23
8,168.1	1.48	250.00	8,130.4	-605.4	-157.9	1.50	1.50	-111.76	250.00	
11,999.9	1.48	250.00	11,961.0	-639.1	-250.7	0.00	0.00	0.00	0.00	PBHL - 15B-23

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 15B-23 496 - Slot BJU M23A FED 15B-23 496
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 15B-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	194.53	600.0	-2.5	-0.7	2.6	3.00	3.00	0.00
700.0	6.00	194.53	699.6	-10.1	-2.6	10.4	3.00	3.00	0.00
EOB @ 7.00° Inc. / 194.53° Azm									
733.4	7.00	194.53	732.8	-13.8	-3.6	14.1	3.00	3.00	0.00
800.0	7.00	194.53	798.9	-21.6	-5.6	22.2	0.00	0.00	0.00
900.0	7.00	194.53	898.2	-33.4	-8.7	34.3	0.00	0.00	0.00
1,000.0	7.00	194.53	997.4	-45.2	-11.7	46.4	0.00	0.00	0.00
1,100.0	7.00	194.53	1,096.7	-57.0	-14.8	58.5	0.00	0.00	0.00
1,200.0	7.00	194.53	1,195.9	-68.8	-17.8	70.6	0.00	0.00	0.00
1,300.0	7.00	194.53	1,295.2	-80.6	-20.9	82.7	0.00	0.00	0.00
1,400.0	7.00	194.53	1,394.4	-92.4	-24.0	94.8	0.00	0.00	0.00
1,500.0	7.00	194.53	1,493.7	-104.2	-27.0	106.9	0.00	0.00	0.00
1,600.0	7.00	194.53	1,593.0	-116.0	-30.1	119.0	0.00	0.00	0.00
1,700.0	7.00	194.53	1,692.2	-127.8	-33.1	131.1	0.00	0.00	0.00
1,800.0	7.00	194.53	1,791.5	-139.6	-36.2	143.2	0.00	0.00	0.00
1,900.0	7.00	194.53	1,890.7	-151.4	-39.2	155.3	0.00	0.00	0.00
2,000.0	7.00	194.53	1,990.0	-163.2	-42.3	167.4	0.00	0.00	0.00
2,100.0	7.00	194.53	2,089.2	-175.0	-45.4	179.5	0.00	0.00	0.00
2,200.0	7.00	194.53	2,188.5	-186.8	-48.4	191.6	0.00	0.00	0.00
2,300.0	7.00	194.53	2,287.7	-198.6	-51.5	203.7	0.00	0.00	0.00
2,400.0	7.00	194.53	2,387.0	-210.4	-54.5	215.8	0.00	0.00	0.00
2,500.0	7.00	194.53	2,486.2	-222.2	-57.6	227.9	0.00	0.00	0.00
2,600.0	7.00	194.53	2,585.5	-234.0	-60.6	240.0	0.00	0.00	0.00
2,700.0	7.00	194.53	2,684.8	-245.8	-63.7	252.1	0.00	0.00	0.00
2,800.0	7.00	194.53	2,784.0	-257.6	-66.8	264.2	0.00	0.00	0.00
2,900.0	7.00	194.53	2,883.3	-269.4	-69.8	276.3	0.00	0.00	0.00
3,000.0	7.00	194.53	2,982.5	-281.2	-72.9	288.4	0.00	0.00	0.00
3,100.0	7.00	194.53	3,081.8	-293.0	-75.9	300.5	0.00	0.00	0.00
3,200.0	7.00	194.53	3,181.0	-304.8	-79.0	312.6	0.00	0.00	0.00
3,300.0	7.00	194.53	3,280.3	-316.6	-82.0	324.7	0.00	0.00	0.00
Wasatch									
3,338.0	7.00	194.53	3,318.0	-321.1	-83.2	329.3	0.00	0.00	0.00
3,400.0	7.00	194.53	3,379.5	-328.4	-85.1	336.8	0.00	0.00	0.00
3,500.0	7.00	194.53	3,478.8	-340.2	-88.2	348.9	0.00	0.00	0.00
3,600.0	7.00	194.53	3,578.0	-352.0	-91.2	361.0	0.00	0.00	0.00
3,700.0	7.00	194.53	3,677.3	-363.8	-94.3	373.1	0.00	0.00	0.00
3,800.0	7.00	194.53	3,776.6	-375.6	-97.3	385.2	0.00	0.00	0.00
3,900.0	7.00	194.53	3,875.8	-387.4	-100.4	397.3	0.00	0.00	0.00
4,000.0	7.00	194.53	3,975.1	-399.2	-103.4	409.4	0.00	0.00	0.00
4,100.0	7.00	194.53	4,074.3	-411.0	-106.5	421.6	0.00	0.00	0.00
4,200.0	7.00	194.53	4,173.6	-422.8	-109.6	433.7	0.00	0.00	0.00
4,300.0	7.00	194.53	4,272.8	-434.6	-112.6	445.8	0.00	0.00	0.00
4,400.0	7.00	194.53	4,372.1	-446.4	-115.7	457.9	0.00	0.00	0.00
4,500.0	7.00	194.53	4,471.3	-458.2	-118.7	470.0	0.00	0.00	0.00
4,600.0	7.00	194.53	4,570.6	-470.0	-121.8	482.1	0.00	0.00	0.00
4,700.0	7.00	194.53	4,669.8	-481.8	-124.8	494.2	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 15B-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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	7.00	194.53	4,769.1	-493.6	-127.9	506.3	0.00	0.00	0.00
4,900.0	7.00	194.53	4,868.3	-505.4	-131.0	518.4	0.00	0.00	0.00
5,000.0	7.00	194.53	4,967.6	-517.2	-134.0	530.5	0.00	0.00	0.00
5,100.0	7.00	194.53	5,066.9	-529.0	-137.1	542.6	0.00	0.00	0.00
5,200.0	7.00	194.53	5,166.1	-540.8	-140.1	554.7	0.00	0.00	0.00
5,300.0	7.00	194.53	5,265.4	-552.6	-143.2	566.8	0.00	0.00	0.00
5,400.0	7.00	194.53	5,364.6	-564.4	-146.2	578.9	0.00	0.00	0.00
5,500.0	7.00	194.53	5,463.9	-576.2	-149.3	591.0	0.00	0.00	0.00
5,600.0	7.00	194.53	5,563.1	-588.0	-152.4	603.1	0.00	0.00	0.00
Drop 3° /100'									
5,626.3	7.00	194.53	5,589.2	-591.1	-153.2	606.3	0.00	0.00	0.00
5,700.0	4.79	194.53	5,662.5	-598.5	-155.1	613.8	3.00	-3.00	0.00
Wasatch G									
5,755.6	3.12	194.53	5,718.0	-602.2	-156.0	617.6	3.00	-3.00	0.00
5,800.0	1.79	194.53	5,762.4	-604.0	-156.5	619.5	3.00	-3.00	0.00
EOD @ Vertical									
5,859.6	0.00	0.00	5,822.0	-604.9	-156.7	620.4	3.00	-3.00	0.00
5,900.0	0.00	0.00	5,862.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,962.4	-604.9	-156.7	620.4	0.00	0.00	0.00
Fort Union									
6,055.6	0.00	0.00	6,018.0	-604.9	-156.7	620.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,062.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,162.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,262.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,362.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,462.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,562.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,662.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,762.4	-604.9	-156.7	620.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,862.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,962.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,062.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,162.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,262.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,362.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,462.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,562.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,662.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,762.4	-604.9	-156.7	620.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,862.4	-604.9	-156.7	620.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,962.4	-604.9	-156.7	620.4	0.00	0.00	0.00
Build 1.5° / 100' - Ohio Creek - TOG									
8,069.6	0.00	0.00	8,032.0	-604.9	-156.7	620.4	0.00	0.00	0.00
8,100.0	0.46	250.00	8,062.4	-605.0	-156.9	620.5	1.50	1.50	0.00
EOB @ 1.48° Inc. / 250.00° Azm									
8,168.1	1.48	250.00	8,130.4	-605.4	-157.9	621.2	1.50	1.50	0.00
8,200.0	1.48	250.00	8,162.3	-605.6	-158.7	621.8	0.00	0.00	0.00
8,300.0	1.48	250.00	8,262.3	-606.5	-161.1	623.5	0.00	0.00	0.00
8,400.0	1.48	250.00	8,362.3	-607.4	-163.5	625.2	0.00	0.00	0.00
William Fork									
8,416.7	1.48	250.00	8,379.0	-607.6	-164.0	625.5	0.00	0.00	0.00
8,500.0	1.48	250.00	8,462.2	-608.3	-166.0	626.9	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 15B-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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)	
8,600.0	1.48	250.00	8,562.2	-609.2	-168.4	628.6	0.00	0.00	0.00	
8,700.0	1.48	250.00	8,662.2	-610.1	-170.8	630.3	0.00	0.00	0.00	
8,800.0	1.48	250.00	8,762.1	-610.9	-173.2	632.0	0.00	0.00	0.00	
8,900.0	1.48	250.00	8,862.1	-611.8	-175.7	633.7	0.00	0.00	0.00	
9,000.0	1.48	250.00	8,962.1	-612.7	-178.1	635.4	0.00	0.00	0.00	
9,100.0	1.48	250.00	9,062.0	-613.6	-180.5	637.1	0.00	0.00	0.00	
9,200.0	1.48	250.00	9,162.0	-614.5	-182.9	638.8	0.00	0.00	0.00	
9,300.0	1.48	250.00	9,262.0	-615.3	-185.3	640.5	0.00	0.00	0.00	
9,400.0	1.48	250.00	9,361.9	-616.2	-187.8	642.2	0.00	0.00	0.00	
9,500.0	1.48	250.00	9,461.9	-617.1	-190.2	643.9	0.00	0.00	0.00	
9,600.0	1.48	250.00	9,561.9	-618.0	-192.6	645.6	0.00	0.00	0.00	
9,700.0	1.48	250.00	9,661.8	-618.9	-195.0	647.3	0.00	0.00	0.00	
9,800.0	1.48	250.00	9,761.8	-619.7	-197.4	649.0	0.00	0.00	0.00	
9,900.0	1.48	250.00	9,861.8	-620.6	-199.9	650.7	0.00	0.00	0.00	
10,000.0	1.48	250.00	9,961.7	-621.5	-202.3	652.5	0.00	0.00	0.00	
10,100.0	1.48	250.00	10,061.7	-622.4	-204.7	654.2	0.00	0.00	0.00	
10,200.0	1.48	250.00	10,161.7	-623.3	-207.1	655.9	0.00	0.00	0.00	
10,300.0	1.48	250.00	10,261.6	-624.2	-209.5	657.6	0.00	0.00	0.00	
10,400.0	1.48	250.00	10,361.6	-625.0	-212.0	659.3	0.00	0.00	0.00	
10,500.0	1.48	250.00	10,461.6	-625.9	-214.4	661.0	0.00	0.00	0.00	
10,600.0	1.48	250.00	10,561.5	-626.8	-216.8	662.7	0.00	0.00	0.00	
10,700.0	1.48	250.00	10,661.5	-627.7	-219.2	664.4	0.00	0.00	0.00	
10,800.0	1.48	250.00	10,761.5	-628.6	-221.7	666.1	0.00	0.00	0.00	
10,900.0	1.48	250.00	10,861.4	-629.4	-224.1	667.8	0.00	0.00	0.00	
11,000.0	1.48	250.00	10,961.4	-630.3	-226.5	669.5	0.00	0.00	0.00	
11,100.0	1.48	250.00	11,061.4	-631.2	-228.9	671.2	0.00	0.00	0.00	
11,200.0	1.48	250.00	11,161.3	-632.1	-231.3	672.9	0.00	0.00	0.00	
Cameo										
11,299.7	1.48	250.00	11,261.0	-633.0	-233.8	674.6	0.00	0.00	0.00	
11,300.0	1.48	250.00	11,261.3	-633.0	-233.8	674.6	0.00	0.00	0.00	
11,400.0	1.48	250.00	11,361.3	-633.8	-236.2	676.3	0.00	0.00	0.00	
11,500.0	1.48	250.00	11,461.2	-634.7	-238.6	678.0	0.00	0.00	0.00	
11,600.0	1.48	250.00	11,561.2	-635.6	-241.0	679.7	0.00	0.00	0.00	
11,700.0	1.48	250.00	11,661.2	-636.5	-243.4	681.4	0.00	0.00	0.00	
Rollins										
11,799.9	1.48	250.00	11,761.0	-637.4	-245.9	683.1	0.00	0.00	0.00	
11,800.0	1.48	250.00	11,761.1	-637.4	-245.9	683.1	0.00	0.00	0.00	
11,900.0	1.48	250.00	11,861.1	-638.3	-248.3	684.8	0.00	0.00	0.00	
TD @ 11999.9' MD / 11961.0' TVD										
11,999.9	1.48	250.00	11,961.0	-639.1	-250.7	686.5	0.00	0.00	0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M23A FED 15B-23 496 - Slot BJU M23A FED 15B-23 496
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 15B-23 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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 - 15B-23 - plan hits target center - Point	0.00	0.00	8,032.0	-604.9	-156.7	14,423,270.48	2,444,937.13	39.682532	-108.140730
PBHL - 15B-23 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,961.0	-639.1	-250.7	14,423,233.30	2,444,844.30	39.682438	-108.141064

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,338.0	3,318.0	Wasatch			
5,755.6	5,718.0	Wasatch G			
6,055.6	6,018.0	Fort Union			
8,069.6	8,032.0	Ohio Creek			
8,069.6	8,032.0	TOG			
8,416.7	8,379.0	William Fork			
11,299.7	11,261.0	Cameo			
11,799.9	11,761.0	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'
733.4	732.8	-13.8	-3.6	EOB @ 7.00° Inc. / 194.53° Azm
5,626.3	5,589.2	-591.1	-153.2	Drop 3° / 100'
5,859.6	5,822.0	-604.9	-156.7	EOD @ Vertical
8,069.6	8,032.0	-604.9	-156.7	Build 1.5° / 100'
8,168.1	8,130.4	-605.4	-157.9	EOB @ 1.48° Inc. / 250.00° Azm
11,999.9	11,961.0	-639.1	-250.7	TD @ 11999.9' MD / 11961.0' TVD