

Project: Garfield County, CO
 Site: BJU B26 496 Pad
 Well: BJU B26 FED 21C-27 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.677496
 Longitude: -108.137758
 Ground Level: 8211.0
 RKB @ 8241.0usft (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 @ 8241.0usft (30')
 Section (VS) Reference: Slot - BJU B26 FED 21C-27 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8241.0usft (30')
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3343.0	3636.9	Wasatch
5743.0	6354.0	Wasatch G
6043.0	6693.7	Fort Union
8002.0	8829.8	Ohio Creek / TOG
8383.0	9210.8	Williams Fork
11163.0	11991.8	Cameo
11663.0	12492.0	Rollins

SECTION DETAILS

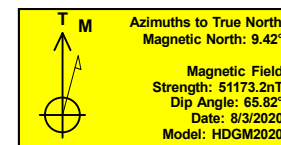
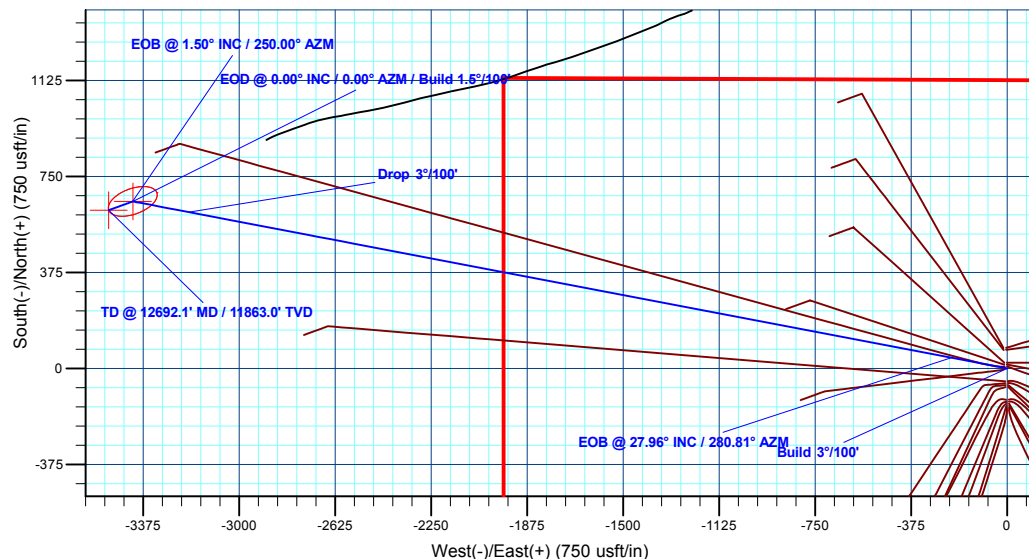
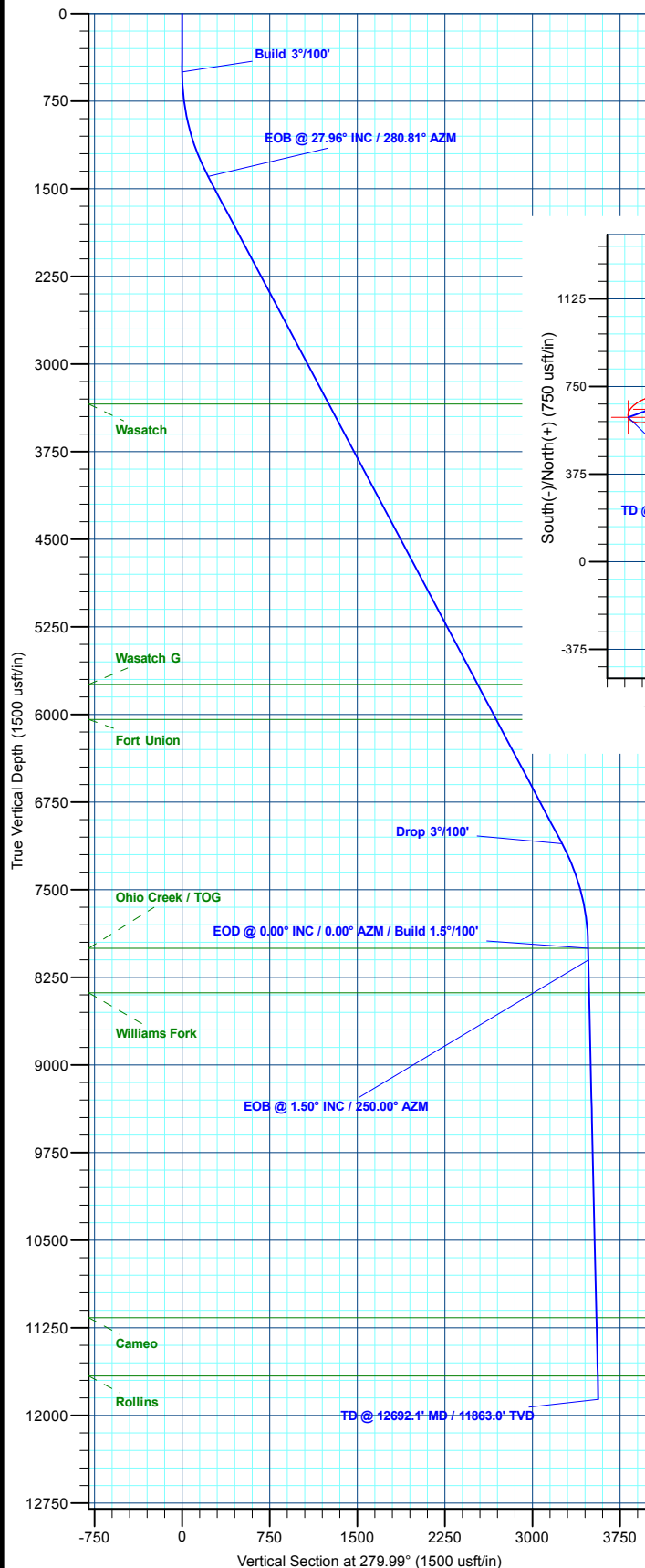
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	Build 3°/100'
1432.0	27.96	280.81	1395.4	41.8	-219.0	3.00	280.81	222.9	EOB @ 27.96° INC / 280.81° AZM
7897.8	27.96	280.81	7106.6	610.5	-3196.5	0.00	0.00	3254.0	Drop 3°/100'
8829.8	0.00	0.00	8002.0	652.3	-3415.5	3.00	180.00	3476.9	EOD @ 0.00° INC / 0.00° AZM / Build 1.5°/100'
8930.0	1.50	250.00	8102.2	651.9	-3416.7	1.50	250.00	3478.0	EOB @ 1.50° INC / 250.00° AZM
12692.1	1.50	250.00	11863.0	618.1	-3509.5	0.00	0.00	3563.5	TD @ 12692.1' MD / 11863.0' TVD

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
21C-27 - OHCR	8002.0	652.3	-3415.5	14422006.09	2442397.33	39.679285	-108.149889
21C-27 - PBHL	11863.0	618.1	-3509.5	14421968.90	2442304.50	39.679191	-108.150222

WELL DETAILS: BJU B26 FED 21C-27 496

+N/-S	+E/-W	Ground Level : 8211.0	Northing	Easting	Latitude	Longitude
0.0	0.0		14421463.10	2445831.90	39.677496	-108.137758



Plan: Design #1 (BJU B26 FED 21C-27 496/Wellbore #1)

Created By: Will Jircik

Date: 12:56, August 06 2020



Caerus Oil & Gas

Garfield County, CO

BJU B26 496 Pad

BJU B26 FED 21C-27 496 - Slot BJU B26 FED 21C-27 496

Wellbore #1

Plan: Design #1

QES Well Planning Report

06 August, 2020



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21C-27 496 - Slot BJU B26 FED 21C-27 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8241.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8241.0usft (30')
Site:	BJU B26 496 Pad	North Reference:	True
Well:	BJU B26 FED 21C-27 496	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 B26 496 Pad		
Site Position:		Northing:	14,421,469.70 usft
From:	Map	Easting:	2,445,821.30 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.677515
		Longitude:	-108.137796
		Grid Convergence:	1.83 °

Well	BJU B26 FED 21C-27 496 - Slot BJU B26 FED 21C-27 496		
Well Position	+N/-S	-6.9 usft	Northing: 14,421,463.10 usft
	+E/-W	10.4 usft	Easting: 2,445,831.90 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Ground Level: 8,211.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2020	8/3/2020	9.42	65.82	51,173.20000000

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	279.99	

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	
1,432.0	27.96	280.81	1,395.4	41.8	-219.0	3.00	3.00	0.00	280.81	
7,897.8	27.96	280.81	7,106.6	610.5	-3,196.5	0.00	0.00	0.00	0.00	
8,829.8	0.00	0.00	8,002.0	652.3	-3,415.5	3.00	-3.00	0.00	180.00	21C-27 - OHCR
8,930.0	1.50	250.00	8,102.2	651.9	-3,416.7	1.50	1.50	-109.77	250.00	
12,692.1	1.50	250.00	11,863.0	618.1	-3,509.5	0.00	0.00	0.00	0.00	21C-27 - PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21C-27 496 - Slot BJU B26 FED 21C-27 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8241.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8241.0usft (30')
Site:	BJU B26 496 Pad	North Reference:	True
Well:	BJU B26 FED 21C-27 496	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	280.81	600.0	0.5	-2.6	2.6	3.00	3.00	0.00
700.0	6.00	280.81	699.6	2.0	-10.3	10.5	3.00	3.00	0.00
800.0	9.00	280.81	798.8	4.4	-23.1	23.5	3.00	3.00	0.00
900.0	12.00	280.81	897.1	7.8	-41.0	41.7	3.00	3.00	0.00
1,000.0	15.00	280.81	994.3	12.2	-63.9	65.1	3.00	3.00	0.00
1,100.0	18.00	280.81	1,090.2	17.5	-91.8	93.5	3.00	3.00	0.00
1,200.0	21.00	280.81	1,184.4	23.8	-124.6	126.8	3.00	3.00	0.00
1,300.0	24.00	280.81	1,276.8	31.0	-162.2	165.1	3.00	3.00	0.00
1,400.0	27.00	280.81	1,367.1	39.0	-204.5	208.1	3.00	3.00	0.00
EOB @ 27.96° INC / 280.81° AZM									
1,432.0	27.96	280.81	1,395.4	41.8	-219.0	222.9	3.00	3.00	0.00
1,500.0	27.96	280.81	1,455.5	47.8	-250.3	254.8	0.00	0.00	0.00
1,600.0	27.96	280.81	1,543.8	56.6	-296.3	301.7	0.00	0.00	0.00
1,700.0	27.96	280.81	1,632.2	65.4	-342.4	348.5	0.00	0.00	0.00
1,800.0	27.96	280.81	1,720.5	74.2	-388.4	395.4	0.00	0.00	0.00
1,900.0	27.96	280.81	1,808.8	83.0	-434.5	442.3	0.00	0.00	0.00
2,000.0	27.96	280.81	1,897.2	91.8	-480.5	489.2	0.00	0.00	0.00
2,100.0	27.96	280.81	1,985.5	100.6	-526.6	536.1	0.00	0.00	0.00
2,200.0	27.96	280.81	2,073.8	109.4	-572.6	582.9	0.00	0.00	0.00
2,300.0	27.96	280.81	2,162.1	118.2	-618.7	629.8	0.00	0.00	0.00
2,400.0	27.96	280.81	2,250.5	127.0	-664.7	676.7	0.00	0.00	0.00
2,500.0	27.96	280.81	2,338.8	135.8	-710.8	723.6	0.00	0.00	0.00
2,600.0	27.96	280.81	2,427.1	144.5	-756.8	770.4	0.00	0.00	0.00
2,700.0	27.96	280.81	2,515.5	153.3	-802.9	817.3	0.00	0.00	0.00
2,800.0	27.96	280.81	2,603.8	162.1	-849.0	864.2	0.00	0.00	0.00
2,900.0	27.96	280.81	2,692.1	170.9	-895.0	911.1	0.00	0.00	0.00
3,000.0	27.96	280.81	2,780.4	179.7	-941.1	958.0	0.00	0.00	0.00
3,100.0	27.96	280.81	2,868.8	188.5	-987.1	1,004.8	0.00	0.00	0.00
3,200.0	27.96	280.81	2,957.1	197.3	-1,033.2	1,051.7	0.00	0.00	0.00
3,300.0	27.96	280.81	3,045.4	206.1	-1,079.2	1,098.6	0.00	0.00	0.00
3,400.0	27.96	280.81	3,133.8	214.9	-1,125.3	1,145.5	0.00	0.00	0.00
3,500.0	27.96	280.81	3,222.1	223.7	-1,171.3	1,192.4	0.00	0.00	0.00
3,600.0	27.96	280.81	3,310.4	232.5	-1,217.4	1,239.2	0.00	0.00	0.00
Wasatch									
3,636.9	27.96	280.81	3,343.0	235.7	-1,234.4	1,256.5	0.00	0.00	0.00
3,700.0	27.96	280.81	3,398.7	241.3	-1,263.4	1,286.1	0.00	0.00	0.00
3,800.0	27.96	280.81	3,487.1	250.1	-1,309.5	1,333.0	0.00	0.00	0.00
3,900.0	27.96	280.81	3,575.4	258.9	-1,355.5	1,379.9	0.00	0.00	0.00
4,000.0	27.96	280.81	3,663.7	267.7	-1,401.6	1,426.7	0.00	0.00	0.00
4,100.0	27.96	280.81	3,752.1	276.5	-1,447.6	1,473.6	0.00	0.00	0.00
4,200.0	27.96	280.81	3,840.4	285.3	-1,493.7	1,520.5	0.00	0.00	0.00
4,300.0	27.96	280.81	3,928.7	294.1	-1,539.7	1,567.4	0.00	0.00	0.00
4,400.0	27.96	280.81	4,017.0	302.9	-1,585.8	1,614.3	0.00	0.00	0.00
4,500.0	27.96	280.81	4,105.4	311.6	-1,631.8	1,661.1	0.00	0.00	0.00
4,600.0	27.96	280.81	4,193.7	320.4	-1,677.9	1,708.0	0.00	0.00	0.00
4,700.0	27.96	280.81	4,282.0	329.2	-1,723.9	1,754.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21C-27 496 - Slot BJU B26 FED 21C-27 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8241.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8241.0usft (30')
Site:	BJU B26 496 Pad	North Reference:	True
Well:	BJU B26 FED 21C-27 496	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	27.96	280.81	4,370.4	338.0	-1,770.0	1,801.8	0.00	0.00	0.00
4,900.0	27.96	280.81	4,458.7	346.8	-1,816.0	1,848.7	0.00	0.00	0.00
5,000.0	27.96	280.81	4,547.0	355.6	-1,862.1	1,895.5	0.00	0.00	0.00
5,100.0	27.96	280.81	4,635.3	364.4	-1,908.1	1,942.4	0.00	0.00	0.00
5,200.0	27.96	280.81	4,723.7	373.2	-1,954.2	1,989.3	0.00	0.00	0.00
5,300.0	27.96	280.81	4,812.0	382.0	-2,000.2	2,036.2	0.00	0.00	0.00
5,400.0	27.96	280.81	4,900.3	390.8	-2,046.3	2,083.1	0.00	0.00	0.00
5,500.0	27.96	280.81	4,988.7	399.6	-2,092.3	2,129.9	0.00	0.00	0.00
5,600.0	27.96	280.81	5,077.0	408.4	-2,138.4	2,176.8	0.00	0.00	0.00
5,700.0	27.96	280.81	5,165.3	417.2	-2,184.4	2,223.7	0.00	0.00	0.00
5,800.0	27.96	280.81	5,253.6	426.0	-2,230.5	2,270.6	0.00	0.00	0.00
5,900.0	27.96	280.81	5,342.0	434.8	-2,276.5	2,317.4	0.00	0.00	0.00
6,000.0	27.96	280.81	5,430.3	443.6	-2,322.6	2,364.3	0.00	0.00	0.00
6,100.0	27.96	280.81	5,518.6	452.4	-2,368.6	2,411.2	0.00	0.00	0.00
6,200.0	27.96	280.81	5,607.0	461.2	-2,414.7	2,458.1	0.00	0.00	0.00
6,300.0	27.96	280.81	5,695.3	470.0	-2,460.7	2,505.0	0.00	0.00	0.00
Wasatch G									
6,354.0	27.96	280.81	5,743.0	474.7	-2,485.6	2,530.3	0.00	0.00	0.00
6,400.0	27.96	280.81	5,783.6	478.8	-2,506.8	2,551.8	0.00	0.00	0.00
6,500.0	27.96	280.81	5,871.9	487.5	-2,552.8	2,598.7	0.00	0.00	0.00
6,600.0	27.96	280.81	5,960.3	496.3	-2,598.9	2,645.6	0.00	0.00	0.00
Fort Union									
6,693.7	27.96	280.81	6,043.0	504.6	-2,642.0	2,689.5	0.00	0.00	0.00
6,700.0	27.96	280.81	6,048.6	505.1	-2,644.9	2,692.5	0.00	0.00	0.00
6,800.0	27.96	280.81	6,136.9	513.9	-2,691.0	2,739.4	0.00	0.00	0.00
6,900.0	27.96	280.81	6,225.3	522.7	-2,737.0	2,786.2	0.00	0.00	0.00
7,000.0	27.96	280.81	6,313.6	531.5	-2,783.1	2,833.1	0.00	0.00	0.00
7,100.0	27.96	280.81	6,401.9	540.3	-2,829.2	2,880.0	0.00	0.00	0.00
7,200.0	27.96	280.81	6,490.2	549.1	-2,875.2	2,926.9	0.00	0.00	0.00
7,300.0	27.96	280.81	6,578.6	557.9	-2,921.3	2,973.7	0.00	0.00	0.00
7,400.0	27.96	280.81	6,666.9	566.7	-2,967.3	3,020.6	0.00	0.00	0.00
7,500.0	27.96	280.81	6,755.2	575.5	-3,013.4	3,067.5	0.00	0.00	0.00
7,600.0	27.96	280.81	6,843.6	584.3	-3,059.4	3,114.4	0.00	0.00	0.00
7,700.0	27.96	280.81	6,931.9	593.1	-3,105.5	3,161.3	0.00	0.00	0.00
7,800.0	27.96	280.81	7,020.2	601.9	-3,151.5	3,208.1	0.00	0.00	0.00
Drop 3°/100'									
7,897.8	27.96	280.81	7,106.6	610.5	-3,196.5	3,254.0	0.00	0.00	0.00
7,900.0	27.89	280.81	7,108.5	610.7	-3,197.6	3,255.0	3.00	-3.00	0.00
8,000.0	24.89	280.81	7,198.1	619.0	-3,241.2	3,299.5	3.00	-3.00	0.00
8,100.0	21.89	280.81	7,289.9	626.5	-3,280.2	3,339.2	3.00	-3.00	0.00
8,200.0	18.89	280.81	7,383.6	633.0	-3,314.4	3,374.0	3.00	-3.00	0.00
8,300.0	15.89	280.81	7,479.0	638.6	-3,343.8	3,403.9	3.00	-3.00	0.00
8,400.0	12.89	280.81	7,575.9	643.3	-3,368.2	3,428.7	3.00	-3.00	0.00
8,500.0	9.89	280.81	7,673.9	647.0	-3,387.6	3,448.5	3.00	-3.00	0.00
8,600.0	6.89	280.81	7,772.8	649.7	-3,401.9	3,463.1	3.00	-3.00	0.00
8,700.0	3.89	280.81	7,872.3	651.5	-3,411.2	3,472.5	3.00	-3.00	0.00
8,800.0	0.89	280.81	7,972.2	652.3	-3,415.3	3,476.6	3.00	-3.00	0.00
EOD @ 0.00° INC / 0.00° AZM / Build 1.5°/100' - Ohio Creek / TOG									
8,829.8	0.00	0.00	8,002.0	652.3	-3,415.5	3,476.9	3.00	-3.00	0.00
8,900.0	1.05	250.00	8,072.2	652.1	-3,416.1	3,477.4	1.50	1.50	0.00
EOB @ 1.50° INC / 250.00° AZM									
8,930.0	1.50	250.00	8,102.2	651.9	-3,416.7	3,478.0	1.50	1.50	0.00

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Project:	Garfield County, CO	MD Reference:	RKB @ 8241.0usft (30')
Site:	BJU B26 496 Pad	North Reference:	True
Well:	BJU B26 FED 21C-27 496	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)
9,000.0	1.50	250.00	8,172.2	651.2	-3,418.5	3,479.6	0.00	0.00	0.00
9,100.0	1.50	250.00	8,272.2	650.3	-3,420.9	3,481.9	0.00	0.00	0.00
9,200.0	1.50	250.00	8,372.1	649.4	-3,423.4	3,484.1	0.00	0.00	0.00
Williams Fork									
9,210.9	1.50	250.00	8,383.0	649.3	-3,423.7	3,484.4	0.00	0.00	0.00
9,300.0	1.50	250.00	8,472.1	648.5	-3,425.9	3,486.4	0.00	0.00	0.00
9,400.0	1.50	250.00	8,572.1	647.6	-3,428.3	3,488.7	0.00	0.00	0.00
9,500.0	1.50	250.00	8,672.0	646.7	-3,430.8	3,491.0	0.00	0.00	0.00
9,600.0	1.50	250.00	8,772.0	645.8	-3,433.2	3,493.2	0.00	0.00	0.00
9,700.0	1.50	250.00	8,872.0	644.9	-3,435.7	3,495.5	0.00	0.00	0.00
9,800.0	1.50	250.00	8,971.9	644.0	-3,438.2	3,497.8	0.00	0.00	0.00
9,900.0	1.50	250.00	9,071.9	643.1	-3,440.6	3,500.0	0.00	0.00	0.00
10,000.0	1.50	250.00	9,171.9	642.2	-3,443.1	3,502.3	0.00	0.00	0.00
10,100.0	1.50	250.00	9,271.8	641.4	-3,445.6	3,504.6	0.00	0.00	0.00
10,200.0	1.50	250.00	9,371.8	640.5	-3,448.0	3,506.9	0.00	0.00	0.00
10,300.0	1.50	250.00	9,471.8	639.6	-3,450.5	3,509.1	0.00	0.00	0.00
10,400.0	1.50	250.00	9,571.7	638.7	-3,453.0	3,511.4	0.00	0.00	0.00
10,500.0	1.50	250.00	9,671.7	637.8	-3,455.4	3,513.7	0.00	0.00	0.00
10,600.0	1.50	250.00	9,771.7	636.9	-3,457.9	3,515.9	0.00	0.00	0.00
10,700.0	1.50	250.00	9,871.6	636.0	-3,460.4	3,518.2	0.00	0.00	0.00
10,800.0	1.50	250.00	9,971.6	635.1	-3,462.8	3,520.5	0.00	0.00	0.00
10,900.0	1.50	250.00	10,071.6	634.2	-3,465.3	3,522.8	0.00	0.00	0.00
11,000.0	1.50	250.00	10,171.5	633.3	-3,467.8	3,525.0	0.00	0.00	0.00
11,100.0	1.50	250.00	10,271.5	632.4	-3,470.2	3,527.3	0.00	0.00	0.00
11,200.0	1.50	250.00	10,371.5	631.5	-3,472.7	3,529.6	0.00	0.00	0.00
11,300.0	1.50	250.00	10,471.4	630.6	-3,475.2	3,531.9	0.00	0.00	0.00
11,400.0	1.50	250.00	10,571.4	629.7	-3,477.6	3,534.1	0.00	0.00	0.00
11,500.0	1.50	250.00	10,671.4	628.8	-3,480.1	3,536.4	0.00	0.00	0.00
11,600.0	1.50	250.00	10,771.3	627.9	-3,482.5	3,538.7	0.00	0.00	0.00
11,700.0	1.50	250.00	10,871.3	627.0	-3,485.0	3,540.9	0.00	0.00	0.00
11,800.0	1.50	250.00	10,971.2	626.1	-3,487.5	3,543.2	0.00	0.00	0.00
11,900.0	1.50	250.00	11,071.2	625.2	-3,489.9	3,545.5	0.00	0.00	0.00
Cameo									
11,991.8	1.50	250.00	11,163.0	624.4	-3,492.2	3,547.6	0.00	0.00	0.00
12,000.0	1.50	250.00	11,171.2	624.3	-3,492.4	3,547.8	0.00	0.00	0.00
12,100.0	1.50	250.00	11,271.1	623.4	-3,494.9	3,550.0	0.00	0.00	0.00
12,200.0	1.50	250.00	11,371.1	622.5	-3,497.3	3,552.3	0.00	0.00	0.00
12,300.0	1.50	250.00	11,471.1	621.6	-3,499.8	3,554.6	0.00	0.00	0.00
12,400.0	1.50	250.00	11,571.0	620.7	-3,502.3	3,556.8	0.00	0.00	0.00
Rollins									
12,492.0	1.50	250.00	11,663.0	619.9	-3,504.5	3,558.9	0.00	0.00	0.00
12,500.0	1.50	250.00	11,671.0	619.8	-3,504.7	3,559.1	0.00	0.00	0.00
12,600.0	1.50	250.00	11,771.0	618.9	-3,507.2	3,561.4	0.00	0.00	0.00
TD @ 12692.1' MD / 11863.0' TVD									
12,692.1	1.50	250.00	11,863.0	618.1	-3,509.5	3,563.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21C-27 496 - Slot BJU B26 FED 21C-27 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8241.0usft (30')
Project:	Garfield County, CO	MD Reference:	RKB @ 8241.0usft (30')
Site:	BJU B26 496 Pad	North Reference:	True
Well:	BJU B26 FED 21C-27 496	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
21C-27 - OHCR - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	8,002.0	652.3	-3,415.5	14,422,006.09	2,442,397.33	39.679285	-108.149889
21C-27 - PBHL - plan hits target center - Point	0.00	0.00	11,863.0	618.1	-3,509.5	14,421,968.90	2,442,304.50	39.679191	-108.150223

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,636.9	3,343.0	Wasatch			
6,354.0	5,743.0	Wasatch G			
6,693.7	6,043.0	Fort Union			
8,829.8	8,002.0	Ohio Creek / TOG			
9,210.9	8,383.0	Williams Fork			
11,991.8	11,163.0	Cameo			
12,492.0	11,663.0	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'
1,432.0	1,395.4	41.8	-219.0	EOB @ 27.96° INC / 280.81° AZM
7,897.8	7,106.6	610.5	-3,196.5	Drop 3°/100'
8,829.8	8,002.0	652.3	-3,415.5	EOD @ 0.00° INC / 0.00° AZM / Build 1.5°/100'
8,930.0	8,102.2	651.9	-3,416.7	EOB @ 1.50° INC / 250.00° AZM
12,692.1	11,863.0	618.1	-3,509.5	TD @ 12692.1' MD / 11863.0' TVD