

Project: Garfield County, CO
 Site: BJU B26 496 Pad
 Well: BJU B26 FED 21B-27 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.677515
 Longitude: -108.137795
 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 21B-27 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8241.0usft (30')
 Calculation Method: Minimum Curvature

SECTION DETAILS

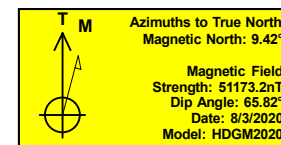
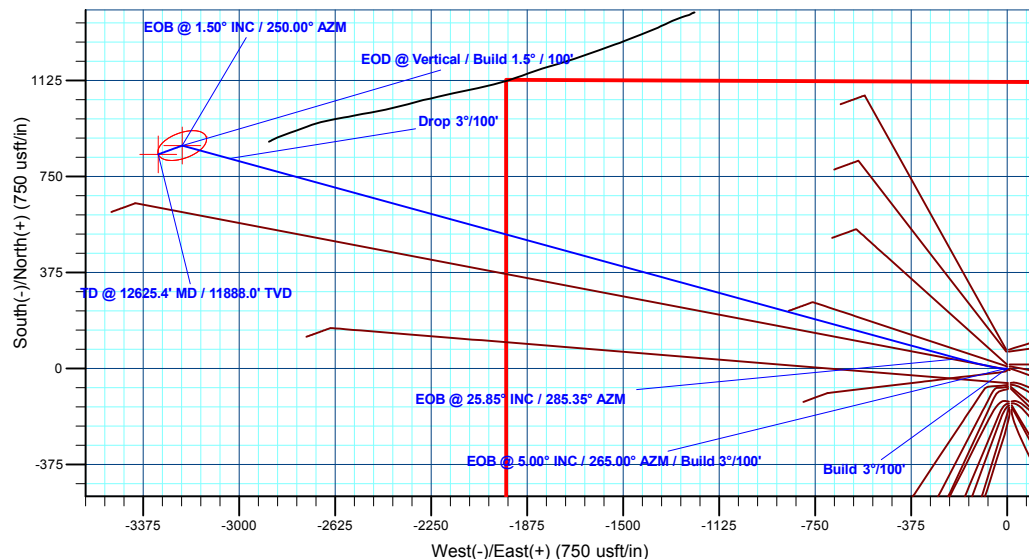
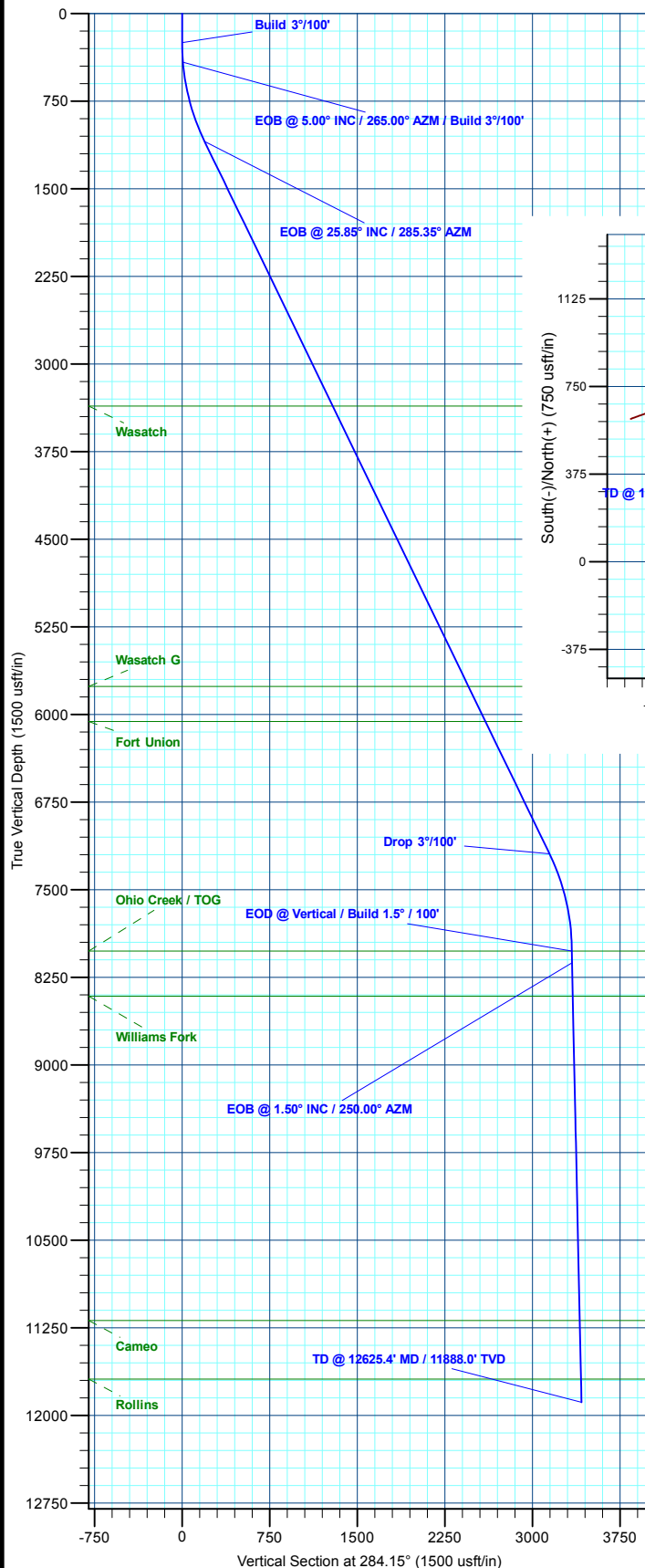
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.0	Build 3°/100'
416.7	5.00	265.00	416.5	-0.6	-7.2	3.00	265.00	6.9	EOB @ 5.00° INC / 265.00° AZM / Build 3°/100'
1124.3	25.85	285.35	1095.1	37.9	-188.8	3.00	24.75	192.3	EOB @ 25.85° INC / 285.35° AZM
7900.5	25.85	285.35	7193.3	819.9	-3038.0	0.00	0.00	3146.2	Drop 3°/100'
8061.0	0.00	0.00	8026.0	870.4	-3222.2	3.00	180.00	3337.3	EOD @ Vertical / Build 1.5° / 100'
8026.0	0.00	0.00	8026.0	870.4	-3222.2	3.00	180.00	3337.3	EOD @ Vertical / Build 1.5° / 100'
8411.0	9147.2		8126.2	870.0	-3223.5	1.50	250.00	3338.4	EOB @ 1.50° INC / 250.00° AZM
11188.0	11925.2		11888.0	836.2	-3316.2	0.00	0.00	3420.0	TD @ 12625.4' MD / 11888.0' TVD
11688.0	12425.4								

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
21B-27 - OHCR	8026.0	870.4	-3222.2	1442236.89	2442572.93	39.679903	-108.149239
21B-27 - PBHL	11888.0	836.2	-3316.2	14422199.70	2442480.10	39.679809	-108.149573

WELL DETAILS: BJU B26 FED 21B-27 496

+N/-S	+E/-W	Ground Level	Northing	Easting	Latitude	Longitude
0.0	0.0	8211.0	14421469.70	2445821.30	39.677515	-108.137795



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

Created By: Will Jircik

Date: 12:59, August 06 2020



Caerus Oil & Gas

Garfield County, CO

BJU B26 496 Pad

BJU B26 FED 21B-27 496 - Slot BJU B26 FED 21B-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 21B-27 496 - Slot BJU B26 FED 21B-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 21B-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 21B-27 496 - Slot BJU B26 FED 21B-27 496		
Well Position	+N/-S	0.0 usft	Northing: 14,421,469.70 usft
	+E/-W	0.0 usft	Easting: 2,445,821.30 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 39.677515
			Longitude: -108.137796
			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	284.15	

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	
250.0	0.00	0.00	250.0	0.0	0.0	0.00	0.00	0.00	0.00	
416.7	5.00	265.00	416.5	-0.6	-7.2	3.00	3.00	0.00	265.00	
1,124.3	25.85	285.35	1,095.1	37.9	-188.8	3.00	2.95	2.88	24.75	
7,900.5	25.85	285.35	7,193.3	819.9	-3,038.0	0.00	0.00	0.00	0.00	
8,762.1	0.00	0.00	8,026.0	870.4	-3,222.2	3.00	-3.00	0.00	180.00	21B-27 - OHCR
8,862.3	1.50	250.00	8,126.2	870.0	-3,223.5	1.50	1.50	-109.80	250.00	
12,625.4	1.50	250.00	11,888.0	836.2	-3,316.2	0.00	0.00	0.00	0.00	21B-27 - PBHL

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21B-27 496 - Slot BJU B26 FED 21B-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 21B-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
Build 3°/100'									
250.0	0.00	0.00	250.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	1.50	265.00	300.0	-0.1	-0.7	0.6	3.00	3.00	0.00
400.0	4.50	265.00	399.8	-0.5	-5.9	5.6	3.00	3.00	0.00
EOB @ 5.00° INC / 265.00° AZM / Build 3°/100'									
416.7	5.00	265.00	416.5	-0.6	-7.2	6.9	3.00	3.00	0.00
500.0	7.35	273.21	499.3	-0.7	-16.2	15.5	3.00	2.81	9.86
600.0	10.26	278.03	598.1	1.0	-31.4	30.7	3.00	2.91	4.81
700.0	13.21	280.72	696.0	4.3	-51.4	50.9	3.00	2.95	2.69
800.0	16.17	282.44	792.7	9.4	-76.3	76.2	3.00	2.97	1.72
900.0	19.15	283.63	888.0	16.3	-105.8	106.6	3.00	2.98	1.20
1,000.0	22.14	284.52	981.6	24.9	-140.0	141.8	3.00	2.98	0.89
1,100.0	25.12	285.20	1,073.2	35.2	-178.7	181.9	3.00	2.99	0.68
EOB @ 25.85° INC / 285.35° AZM									
1,124.3	25.85	285.35	1,095.1	37.9	-188.8	192.3	3.00	2.99	0.59
1,200.0	25.85	285.35	1,163.2	46.7	-220.6	225.4	0.00	0.00	0.00
1,300.0	25.85	285.35	1,253.2	58.2	-262.7	269.0	0.00	0.00	0.00
1,400.0	25.85	285.35	1,343.2	69.8	-304.7	312.5	0.00	0.00	0.00
1,500.0	25.85	285.35	1,433.2	81.3	-346.8	356.1	0.00	0.00	0.00
1,600.0	25.85	285.35	1,523.2	92.8	-388.8	399.7	0.00	0.00	0.00
1,700.0	25.85	285.35	1,613.2	104.4	-430.9	443.3	0.00	0.00	0.00
1,800.0	25.85	285.35	1,703.2	115.9	-472.9	486.9	0.00	0.00	0.00
1,900.0	25.85	285.35	1,793.2	127.5	-515.0	530.5	0.00	0.00	0.00
2,000.0	25.85	285.35	1,883.2	139.0	-557.0	574.1	0.00	0.00	0.00
2,100.0	25.85	285.35	1,973.2	150.5	-599.1	617.7	0.00	0.00	0.00
2,200.0	25.85	285.35	2,063.2	162.1	-641.1	661.3	0.00	0.00	0.00
2,300.0	25.85	285.35	2,153.2	173.6	-683.2	704.9	0.00	0.00	0.00
2,400.0	25.85	285.35	2,243.2	185.2	-725.2	748.5	0.00	0.00	0.00
2,500.0	25.85	285.35	2,333.2	196.7	-767.2	792.1	0.00	0.00	0.00
2,600.0	25.85	285.35	2,423.2	208.2	-809.3	835.6	0.00	0.00	0.00
2,700.0	25.85	285.35	2,513.2	219.8	-851.3	879.2	0.00	0.00	0.00
2,800.0	25.85	285.35	2,603.2	231.3	-893.4	922.8	0.00	0.00	0.00
2,900.0	25.85	285.35	2,693.1	242.9	-935.4	966.4	0.00	0.00	0.00
3,000.0	25.85	285.35	2,783.1	254.4	-977.5	1,010.0	0.00	0.00	0.00
3,100.0	25.85	285.35	2,873.1	265.9	-1,019.5	1,053.6	0.00	0.00	0.00
3,200.0	25.85	285.35	2,963.1	277.5	-1,061.6	1,097.2	0.00	0.00	0.00
3,300.0	25.85	285.35	3,053.1	289.0	-1,103.6	1,140.8	0.00	0.00	0.00
3,400.0	25.85	285.35	3,143.1	300.5	-1,145.7	1,184.4	0.00	0.00	0.00
3,500.0	25.85	285.35	3,233.1	312.1	-1,187.7	1,228.0	0.00	0.00	0.00
3,600.0	25.85	285.35	3,323.1	323.6	-1,229.8	1,271.6	0.00	0.00	0.00
Wasatch									
3,642.1	25.85	285.35	3,361.0	328.5	-1,247.5	1,289.9	0.00	0.00	0.00
3,700.0	25.85	285.35	3,413.1	335.2	-1,271.8	1,315.2	0.00	0.00	0.00
3,800.0	25.85	285.35	3,503.1	346.7	-1,313.9	1,358.7	0.00	0.00	0.00
3,900.0	25.85	285.35	3,593.1	358.2	-1,355.9	1,402.3	0.00	0.00	0.00
4,000.0	25.85	285.35	3,683.1	369.8	-1,397.9	1,445.9	0.00	0.00	0.00
4,100.0	25.85	285.35	3,773.1	381.3	-1,440.0	1,489.5	0.00	0.00	0.00
4,200.0	25.85	285.35	3,863.1	392.9	-1,482.0	1,533.1	0.00	0.00	0.00
4,300.0	25.85	285.35	3,953.1	404.4	-1,524.1	1,576.7	0.00	0.00	0.00
4,400.0	25.85	285.35	4,043.1	415.9	-1,566.1	1,620.3	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21B-27 496 - Slot BJU B26 FED 21B-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 21B-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)
4,500.0	25.85	285.35	4,133.1	427.5	-1,608.2	1,663.9	0.00	0.00	0.00
4,600.0	25.85	285.35	4,223.0	439.0	-1,650.2	1,707.5	0.00	0.00	0.00
4,700.0	25.85	285.35	4,313.0	450.6	-1,692.3	1,751.1	0.00	0.00	0.00
4,800.0	25.85	285.35	4,403.0	462.1	-1,734.3	1,794.7	0.00	0.00	0.00
4,900.0	25.85	285.35	4,493.0	473.6	-1,776.4	1,838.3	0.00	0.00	0.00
5,000.0	25.85	285.35	4,583.0	485.2	-1,818.4	1,881.8	0.00	0.00	0.00
5,100.0	25.85	285.35	4,673.0	496.7	-1,860.5	1,925.4	0.00	0.00	0.00
5,200.0	25.85	285.35	4,763.0	508.3	-1,902.5	1,969.0	0.00	0.00	0.00
5,300.0	25.85	285.35	4,853.0	519.8	-1,944.5	2,012.6	0.00	0.00	0.00
5,400.0	25.85	285.35	4,943.0	531.3	-1,986.6	2,056.2	0.00	0.00	0.00
5,500.0	25.85	285.35	5,033.0	542.9	-2,028.6	2,099.8	0.00	0.00	0.00
5,600.0	25.85	285.35	5,123.0	554.4	-2,070.7	2,143.4	0.00	0.00	0.00
5,700.0	25.85	285.35	5,213.0	566.0	-2,112.7	2,187.0	0.00	0.00	0.00
5,800.0	25.85	285.35	5,303.0	577.5	-2,154.8	2,230.6	0.00	0.00	0.00
5,900.0	25.85	285.35	5,393.0	589.0	-2,196.8	2,274.2	0.00	0.00	0.00
6,000.0	25.85	285.35	5,483.0	600.6	-2,238.9	2,317.8	0.00	0.00	0.00
6,100.0	25.85	285.35	5,573.0	612.1	-2,280.9	2,361.4	0.00	0.00	0.00
6,200.0	25.85	285.35	5,663.0	623.6	-2,323.0	2,404.9	0.00	0.00	0.00
6,300.0	25.85	285.35	5,752.9	635.2	-2,365.0	2,448.5	0.00	0.00	0.00
Wasatch G									
6,309.0	25.85	285.35	5,761.0	636.2	-2,368.8	2,452.4	0.00	0.00	0.00
6,400.0	25.85	285.35	5,842.9	646.7	-2,407.1	2,492.1	0.00	0.00	0.00
6,500.0	25.85	285.35	5,932.9	658.3	-2,449.1	2,535.7	0.00	0.00	0.00
6,600.0	25.85	285.35	6,022.9	669.8	-2,491.2	2,579.3	0.00	0.00	0.00
Fort Union									
6,642.3	25.85	285.35	6,061.0	674.7	-2,508.9	2,597.8	0.00	0.00	0.00
6,700.0	25.85	285.35	6,112.9	681.3	-2,533.2	2,622.9	0.00	0.00	0.00
6,800.0	25.85	285.35	6,202.9	692.9	-2,575.2	2,666.5	0.00	0.00	0.00
6,900.0	25.85	285.35	6,292.9	704.4	-2,617.3	2,710.1	0.00	0.00	0.00
7,000.0	25.85	285.35	6,382.9	716.0	-2,659.3	2,753.7	0.00	0.00	0.00
7,100.0	25.85	285.35	6,472.9	727.5	-2,701.4	2,797.3	0.00	0.00	0.00
7,200.0	25.85	285.35	6,562.9	739.0	-2,743.4	2,840.9	0.00	0.00	0.00
7,300.0	25.85	285.35	6,652.9	750.6	-2,785.5	2,884.5	0.00	0.00	0.00
7,400.0	25.85	285.35	6,742.9	762.1	-2,827.5	2,928.0	0.00	0.00	0.00
7,500.0	25.85	285.35	6,832.9	773.7	-2,869.6	2,971.6	0.00	0.00	0.00
7,600.0	25.85	285.35	6,922.9	785.2	-2,911.6	3,015.2	0.00	0.00	0.00
7,700.0	25.85	285.35	7,012.9	796.7	-2,953.7	3,058.8	0.00	0.00	0.00
7,800.0	25.85	285.35	7,102.9	808.3	-2,995.7	3,102.4	0.00	0.00	0.00
Drop 3°/100'									
7,900.5	25.85	285.35	7,193.3	819.9	-3,038.0	3,146.2	0.00	0.00	0.00
8,000.0	22.86	285.35	7,283.9	830.7	-3,077.5	3,187.2	3.00	-3.00	0.00
8,100.0	19.86	285.35	7,377.1	840.4	-3,112.7	3,223.7	3.00	-3.00	0.00
8,200.0	16.86	285.35	7,471.9	848.7	-3,143.0	3,255.2	3.00	-3.00	0.00
8,300.0	13.86	285.35	7,568.4	855.7	-3,168.6	3,281.6	3.00	-3.00	0.00
8,400.0	10.86	285.35	7,666.0	861.4	-3,189.2	3,303.0	3.00	-3.00	0.00
8,500.0	7.86	285.35	7,764.7	865.7	-3,204.9	3,319.3	3.00	-3.00	0.00
8,600.0	4.86	285.35	7,864.1	868.6	-3,215.6	3,330.4	3.00	-3.00	0.00
8,700.0	1.86	285.35	7,963.9	870.2	-3,221.3	3,336.3	3.00	-3.00	0.00
EOD @ 0.00° INC / 0.00° AZM / Build 1.5°/100' - Ohio Creek / TOG									
8,762.1	0.00	0.00	8,026.0	870.4	-3,222.2	3,337.3	3.00	-3.00	0.00
8,800.0	0.57	250.00	8,063.9	870.4	-3,222.4	3,337.4	1.50	1.50	0.00
EOB @ 1.50° INC / 250.00° AZM									

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21B-27 496 - Slot BJU B26 FED 21B-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 21B-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)
8,862.3	1.50	250.00	8,126.2	870.0	-3,223.5	3,338.4	1.50	1.50	0.00
8,900.0	1.50	250.00	8,163.8	869.7	-3,224.4	3,339.2	0.00	0.00	0.00
9,000.0	1.50	250.00	8,263.8	868.8	-3,226.9	3,341.3	0.00	0.00	0.00
9,100.0	1.50	250.00	8,363.8	867.9	-3,229.3	3,343.5	0.00	0.00	0.00
Williams Fork									
9,147.2	1.50	250.00	8,411.0	867.4	-3,230.5	3,344.5	0.00	0.00	0.00
9,200.0	1.50	250.00	8,463.7	867.0	-3,231.8	3,345.7	0.00	0.00	0.00
9,300.0	1.50	250.00	8,563.7	866.1	-3,234.3	3,347.9	0.00	0.00	0.00
9,400.0	1.50	250.00	8,663.7	865.2	-3,236.7	3,350.0	0.00	0.00	0.00
9,500.0	1.50	250.00	8,763.6	864.3	-3,239.2	3,352.2	0.00	0.00	0.00
9,600.0	1.50	250.00	8,863.6	863.4	-3,241.7	3,354.4	0.00	0.00	0.00
9,700.0	1.50	250.00	8,963.6	862.5	-3,244.1	3,356.5	0.00	0.00	0.00
9,800.0	1.50	250.00	9,063.5	861.6	-3,246.6	3,358.7	0.00	0.00	0.00
9,900.0	1.50	250.00	9,163.5	860.7	-3,249.0	3,360.9	0.00	0.00	0.00
10,000.0	1.50	250.00	9,263.5	859.8	-3,251.5	3,363.0	0.00	0.00	0.00
10,100.0	1.50	250.00	9,363.4	858.9	-3,254.0	3,365.2	0.00	0.00	0.00
10,200.0	1.50	250.00	9,463.4	858.0	-3,256.4	3,367.4	0.00	0.00	0.00
10,300.0	1.50	250.00	9,563.4	857.1	-3,258.9	3,369.6	0.00	0.00	0.00
10,400.0	1.50	250.00	9,663.3	856.2	-3,261.4	3,371.7	0.00	0.00	0.00
10,500.0	1.50	250.00	9,763.3	855.3	-3,263.8	3,373.9	0.00	0.00	0.00
10,600.0	1.50	250.00	9,863.3	854.4	-3,266.3	3,376.1	0.00	0.00	0.00
10,700.0	1.50	250.00	9,963.2	853.5	-3,268.8	3,378.2	0.00	0.00	0.00
10,800.0	1.50	250.00	10,063.2	852.6	-3,271.2	3,380.4	0.00	0.00	0.00
10,900.0	1.50	250.00	10,163.2	851.7	-3,273.7	3,382.6	0.00	0.00	0.00
11,000.0	1.50	250.00	10,263.1	850.8	-3,276.2	3,384.7	0.00	0.00	0.00
11,100.0	1.50	250.00	10,363.1	849.9	-3,278.6	3,386.9	0.00	0.00	0.00
11,200.0	1.50	250.00	10,463.1	849.0	-3,281.1	3,389.1	0.00	0.00	0.00
11,300.0	1.50	250.00	10,563.0	848.1	-3,283.5	3,391.3	0.00	0.00	0.00
11,400.0	1.50	250.00	10,663.0	847.2	-3,286.0	3,393.4	0.00	0.00	0.00
11,500.0	1.50	250.00	10,762.9	846.3	-3,288.5	3,395.6	0.00	0.00	0.00
11,600.0	1.50	250.00	10,862.9	845.4	-3,290.9	3,397.8	0.00	0.00	0.00
11,700.0	1.50	250.00	10,962.9	844.5	-3,293.4	3,399.9	0.00	0.00	0.00
11,800.0	1.50	250.00	11,062.8	843.6	-3,295.9	3,402.1	0.00	0.00	0.00
11,900.0	1.50	250.00	11,162.8	842.7	-3,298.3	3,404.3	0.00	0.00	0.00
Cameo									
11,925.2	1.50	250.00	11,188.0	842.5	-3,299.0	3,404.8	0.00	0.00	0.00
12,000.0	1.50	250.00	11,262.8	841.8	-3,300.8	3,406.4	0.00	0.00	0.00
12,100.0	1.50	250.00	11,362.7	840.9	-3,303.3	3,408.6	0.00	0.00	0.00
12,200.0	1.50	250.00	11,462.7	840.1	-3,305.7	3,410.8	0.00	0.00	0.00
12,300.0	1.50	250.00	11,562.7	839.2	-3,308.2	3,413.0	0.00	0.00	0.00
12,400.0	1.50	250.00	11,662.6	838.3	-3,310.7	3,415.1	0.00	0.00	0.00
Rollins									
12,425.4	1.50	250.00	11,688.0	838.0	-3,311.3	3,415.7	0.00	0.00	0.00
12,500.0	1.50	250.00	11,762.6	837.4	-3,313.1	3,417.3	0.00	0.00	0.00
12,600.0	1.50	250.00	11,862.6	836.5	-3,315.6	3,419.5	0.00	0.00	0.00
TD @ 12625.4' MD / 11888.0' TVD									
12,625.4	1.50	250.00	11,888.0	836.2	-3,316.2	3,420.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU B26 FED 21B-27 496 - Slot BJU B26 FED 21B-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 21B-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
21B-27 - OHCR - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	8,026.0	870.4	-3,222.2	14,422,236.89	2,442,572.93	39.679903	-108.149239
21B-27 - PBHL - plan hits target center - Point	0.00	0.00	11,888.0	836.2	-3,316.2	14,422,199.70	2,442,480.10	39.679809	-108.149573

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,642.1	3,361.0	Wasatch			
6,309.0	5,761.0	Wasatch G			
6,642.3	6,061.0	Fort Union			
8,762.1	8,026.0	Ohio Creek / TOG			
9,147.2	8,411.0	Williams Fork			
11,925.2	11,188.0	Cameo			
12,425.4	11,688.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
250.0	250.0	0.0	0.0	Build 3°/100'
416.7	416.5	-0.6	-7.2	EOB @ 5.00° INC / 265.00° AZM / Build 3°/100'
1,124.3	1,095.1	37.9	-188.8	EOB @ 25.85° INC / 285.35° AZM
7,900.5	7,193.3	819.9	-3,038.0	Drop 3°/100'
8,762.1	8,026.0	870.4	-3,222.2	EOD @ 0.00° INC / 0.00° AZM / Build 1.5°/100'
8,862.3	8,126.2	870.0	-3,223.5	EOB @ 1.50° INC / 250.00° AZM
12,625.4	11,888.0	836.2	-3,316.2	TD @ 12625.4' MD / 11888.0' TVD