Project: Garfield County, CO
Site: BJU M33 496 Pad
Well: BJU M33 FED 25A-32 496
Wellbore: Wellbore #1
Design: Design #5
Latitude: 39.653223
Longitude: -108.177867
Ground Level: 8401.0
RKB @ 8431.0usft (H&P #329)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2440.0	2530.3	Wasatch
5440.0	5709.6	Wasatch G
5690.0	5974.6	Fort Union
7532.0	7901.0	Ohio Creek
7769.0	8138.1	TOG
7769.0	8138.1	Williams Fork
10370.0	10739.9	Cameo
11028.0	11398.1	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU M33 FED 25A-32 496 - Slot 25A-32, True North
Vertical (TVD) Reference: RKB @ 8431.0usft (H&P #329)
Section (VS) Reference: Slot - 25A-32(0.0N, 0.0E)
Measured Depth Reference: RKB @ 8431.0usft (H&P #329)
Calculation Method: Minimum Curvature

WELL DETAILS: BJU M33 FED 25A-32 496

+N/-S	+E/-W	Northing	Easting (8401.0)	Latitude	Longitude	
0.0	0.0	14412265.30	2434822.20	39.653223	-108.177867	25A-32

T M
Azimuths to True North
Magnetic North: 9.48°
Magnetic Field
Strength: 51259.3nT
Dip Angle: 65.82°
Date: 12/11/2019
Model: HDGM_FILE

PROJECT DETAILS: Garfield County, CO

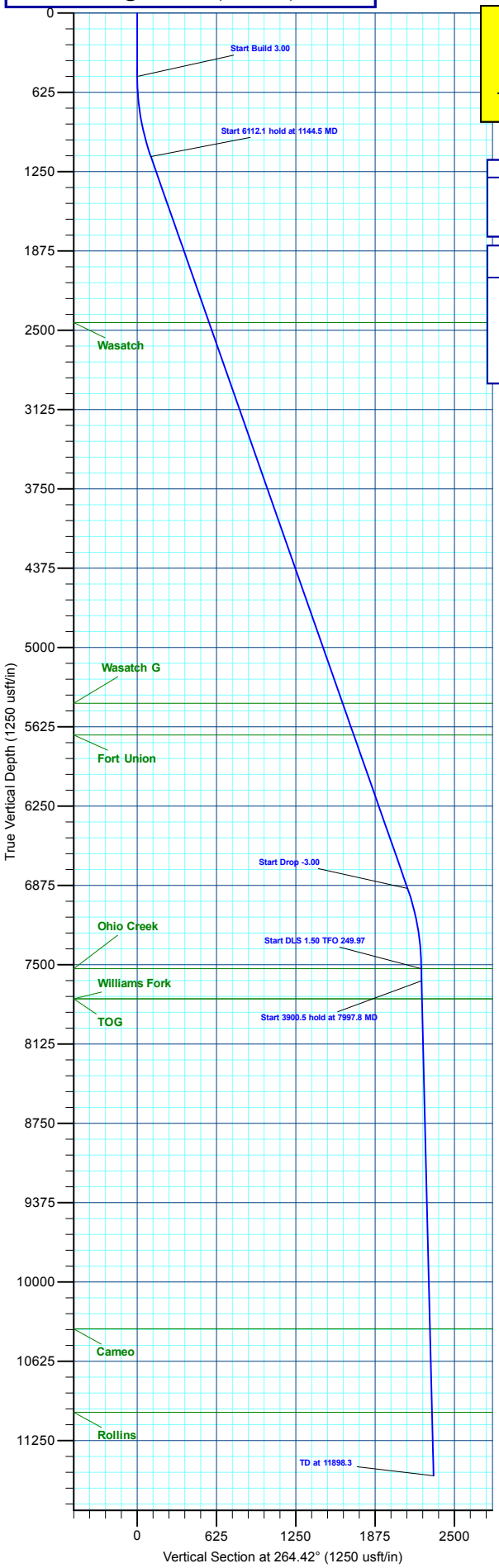
Geodetic System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 - Western US
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)
System Datum: Mean Sea Level

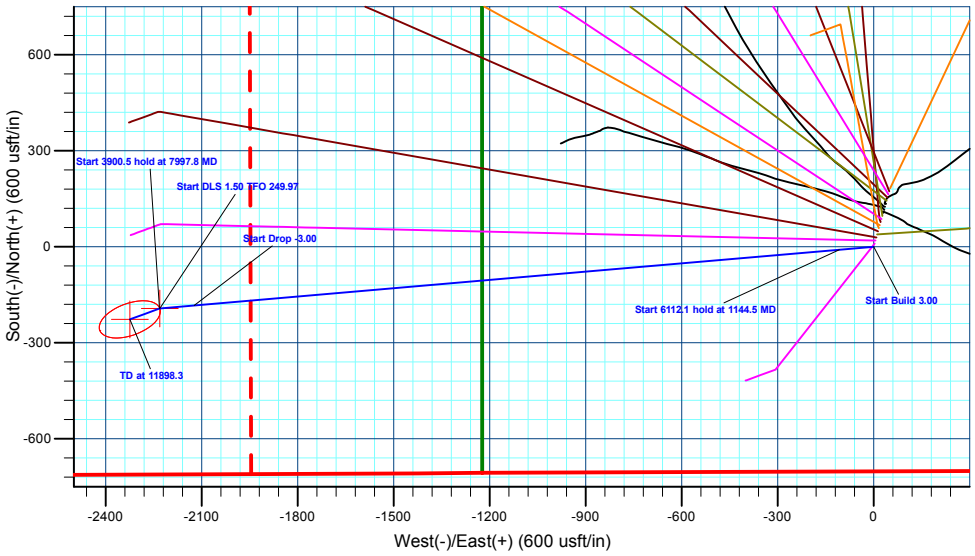
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 25A-32	7532.0	-192.8	-2230.7	14412002.48	2432598.63	39.652694	-108.185786
PBHL - 25A-32	11528.0	-227.0	-2324.7	14411965.30	2432505.80	39.652600	-108.186120

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	Start Build 3.00
1144.5	19.33	265.06	1132.3	-9.3	-107.3	3.00	265.06	107.7	Start 6112.1 hold at 1144.5 MD
7256.6	19.33	265.06	6899.7	-183.5	-2123.4	0.00	0.00	2131.2	Start Drop -3.00
7901.0	0.00	0.00	7532.0	-192.8	-2230.7	3.00	180.00	2238.9	Start DLS 1.50 TFO 249.97
7997.8	1.45	249.97	7628.7	-193.2	-2231.9	1.50	249.97	2240.1	Start 3900.5 hold at 7997.8 MD
11898.3	1.45	249.97	11528.0	-227.0	-2324.7	0.00	0.00	2335.7	TD at 11898.3





Plan: Design #5 (BJU M33 FED 25A-32 496/Wellbore #1)

Created By: Will Jircik Date: 13:54, January 10 2023

Caerus Oil & Gas

Garfield County, CO
BJU M33 496 Pad
BJU M33 FED 25A-32 496 - Slot 25A-32

Wellbore #1

Plan: Design #5

KLX Well Planning Report

10 January, 2023

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well BJU M33 FED 25A-32 496 - Slot 25A-32
Company:	Caerus Oil & Gas	**TVD Reference:**	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	**MD Reference:**	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	**North Reference:**	True
Well:	BJU M33 FED 25A-32 496	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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 M33 496 Pad

Site Position:		**Northing:**	14,415,354.00 usft	**Latitude:**	39.660635
From:	Map	**Easting:**	2,447,010.80 usft	**Longitude:**	-108.134267
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.83 °

Well BJU M33 FED 25A-32 496 - Slot 25A-32

Well Position	**+N/-S**	-2,697.9 usft	**Northing:**	14,412,265.30 usft	**Latitude:**	39.653223
	+E/-W	-12,281.0 usft	**Easting:**	2,434,822.20 usft	**Longitude:**	-108.177867
Position Uncertainty		0.0 usft	**Wellhead Elevation:**		**Ground Level:**	8,401.0 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/11/2019	9.48	65.82	51,259.30000000

Design Design #5

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	264.42

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	
1,144.5	19.33	265.06	1,132.3	-9.3	-107.3	3.00	3.00	0.00	265.06	
7,256.6	19.33	265.06	6,899.7	-183.5	-2,123.4	0.00	0.00	0.00	0.00	
7,901.0	0.00	0.00	7,532.0	-192.8	-2,230.7	3.00	-3.00	0.00	180.00	OHCR - 25A-32
7,997.8	1.45	249.97	7,628.7	-193.2	-2,231.9	1.50	1.50	-113.74	249.97	
11,898.3	1.45	249.97	11,528.0	-227.0	-2,324.7	0.00	0.00	0.00	0.00	PBHL - 25A-32

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well BJU M33 FED 25A-32 496 - Slot 25A-32
Company:	Caerus Oil & Gas	**TVD Reference:**	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	**MD Reference:**	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	**North Reference:**	True
Well:	BJU M33 FED 25A-32 496	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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
Start Build 3.00									
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	3.00	265.06	600.0	-0.2	-2.6	2.6	3.00	3.00	0.00
700.0	6.00	265.06	699.6	-0.9	-10.4	10.5	3.00	3.00	0.00
800.0	9.00	265.06	798.8	-2.0	-23.4	23.5	3.00	3.00	0.00
900.0	12.00	265.06	897.1	-3.6	-41.6	41.7	3.00	3.00	0.00
1,000.0	15.00	265.06	994.3	-5.6	-64.8	65.1	3.00	3.00	0.00
1,100.0	18.00	265.06	1,090.2	-8.0	-93.1	93.5	3.00	3.00	0.00
Start 6112.1 hold at 1144.5 MD									
1,144.5	19.33	265.06	1,132.3	-9.3	-107.3	107.7	3.00	3.00	0.00
1,200.0	19.33	265.06	1,184.7	-10.9	-125.6	126.1	0.00	0.00	0.00
1,300.0	19.33	265.06	1,279.1	-13.7	-158.6	159.2	0.00	0.00	0.00
1,400.0	19.33	265.06	1,373.4	-16.6	-191.6	192.3	0.00	0.00	0.00
1,500.0	19.33	265.06	1,467.8	-19.4	-224.6	225.4	0.00	0.00	0.00
1,600.0	19.33	265.06	1,562.1	-22.3	-257.6	258.5	0.00	0.00	0.00
1,700.0	19.33	265.06	1,656.5	-25.1	-290.6	291.6	0.00	0.00	0.00
1,800.0	19.33	265.06	1,750.9	-28.0	-323.5	324.7	0.00	0.00	0.00
1,900.0	19.33	265.06	1,845.2	-30.8	-356.5	357.8	0.00	0.00	0.00
2,000.0	19.33	265.06	1,939.6	-33.7	-389.5	390.9	0.00	0.00	0.00
2,100.0	19.33	265.06	2,033.9	-36.5	-422.5	424.0	0.00	0.00	0.00
2,200.0	19.33	265.06	2,128.3	-39.4	-455.5	457.2	0.00	0.00	0.00
2,300.0	19.33	265.06	2,222.7	-42.2	-488.5	490.3	0.00	0.00	0.00
2,400.0	19.33	265.06	2,317.0	-45.1	-521.5	523.4	0.00	0.00	0.00
2,500.0	19.33	265.06	2,411.4	-47.9	-554.4	556.5	0.00	0.00	0.00
Wasatch									
2,530.3	19.33	265.06	2,440.0	-48.8	-564.4	566.5	0.00	0.00	0.00
2,600.0	19.33	265.06	2,505.7	-50.8	-587.4	589.6	0.00	0.00	0.00
2,700.0	19.33	265.06	2,600.1	-53.6	-620.4	622.7	0.00	0.00	0.00
2,800.0	19.33	265.06	2,694.5	-56.5	-653.4	655.8	0.00	0.00	0.00
2,900.0	19.33	265.06	2,788.8	-59.3	-686.4	688.9	0.00	0.00	0.00
3,000.0	19.33	265.06	2,883.2	-62.2	-719.4	722.0	0.00	0.00	0.00
3,100.0	19.33	265.06	2,977.5	-65.0	-752.4	755.1	0.00	0.00	0.00
3,200.0	19.33	265.06	3,071.9	-67.9	-785.3	788.2	0.00	0.00	0.00
3,300.0	19.33	265.06	3,166.3	-70.7	-818.3	821.3	0.00	0.00	0.00
3,400.0	19.33	265.06	3,260.6	-73.6	-851.3	854.4	0.00	0.00	0.00
3,500.0	19.33	265.06	3,355.0	-76.4	-884.3	887.5	0.00	0.00	0.00
3,600.0	19.33	265.06	3,449.3	-79.3	-917.3	920.6	0.00	0.00	0.00
3,700.0	19.33	265.06	3,543.7	-82.1	-950.3	953.7	0.00	0.00	0.00
3,800.0	19.33	265.06	3,638.1	-85.0	-983.3	986.9	0.00	0.00	0.00
3,900.0	19.33	265.06	3,732.4	-87.8	-1,016.2	1,020.0	0.00	0.00	0.00
4,000.0	19.33	265.06	3,826.8	-90.7	-1,049.2	1,053.1	0.00	0.00	0.00
4,100.0	19.33	265.06	3,921.1	-93.5	-1,082.2	1,086.2	0.00	0.00	0.00
4,200.0	19.33	265.06	4,015.5	-96.4	-1,115.2	1,119.3	0.00	0.00	0.00
4,300.0	19.33	265.06	4,109.9	-99.2	-1,148.2	1,152.4	0.00	0.00	0.00
4,400.0	19.33	265.06	4,204.2	-102.1	-1,181.2	1,185.5	0.00	0.00	0.00
4,500.0	19.33	265.06	4,298.6	-104.9	-1,214.2	1,218.6	0.00	0.00	0.00
4,600.0	19.33	265.06	4,392.9	-107.8	-1,247.1	1,251.7	0.00	0.00	0.00
4,700.0	19.33	265.06	4,487.3	-110.6	-1,280.1	1,284.8	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well BJU M33 FED 25A-32 496 - Slot 25A-32
Company:	Caerus Oil & Gas	**TVD Reference:**	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	**MD Reference:**	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	**North Reference:**	True
Well:	BJU M33 FED 25A-32 496	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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	19.33	265.06	4,581.7	-113.5	-1,313.1	1,317.9	0.00	0.00	0.00
4,900.0	19.33	265.06	4,676.0	-116.3	-1,346.1	1,351.0	0.00	0.00	0.00
5,000.0	19.33	265.06	4,770.4	-119.2	-1,379.1	1,384.1	0.00	0.00	0.00
5,100.0	19.33	265.06	4,864.7	-122.0	-1,412.1	1,417.2	0.00	0.00	0.00
5,200.0	19.33	265.06	4,959.1	-124.9	-1,445.1	1,450.3	0.00	0.00	0.00
5,300.0	19.33	265.06	5,053.5	-127.7	-1,478.0	1,483.5	0.00	0.00	0.00
5,400.0	19.33	265.06	5,147.8	-130.6	-1,511.0	1,516.6	0.00	0.00	0.00
5,500.0	19.33	265.06	5,242.2	-133.4	-1,544.0	1,549.7	0.00	0.00	0.00
5,600.0	19.33	265.06	5,336.5	-136.3	-1,577.0	1,582.8	0.00	0.00	0.00
5,700.0	19.33	265.06	5,430.9	-139.1	-1,610.0	1,615.9	0.00	0.00	0.00
Wasatch G									
5,709.6	19.33	265.06	5,440.0	-139.4	-1,613.2	1,619.1	0.00	0.00	0.00
5,800.0	19.33	265.06	5,525.3	-142.0	-1,643.0	1,649.0	0.00	0.00	0.00
5,900.0	19.33	265.06	5,619.6	-144.8	-1,676.0	1,682.1	0.00	0.00	0.00
Fort Union									
5,974.6	19.33	265.06	5,690.0	-147.0	-1,700.6	1,706.8	0.00	0.00	0.00
6,000.0	19.33	265.06	5,714.0	-147.7	-1,708.9	1,715.2	0.00	0.00	0.00
6,100.0	19.33	265.06	5,808.3	-150.5	-1,741.9	1,748.3	0.00	0.00	0.00
6,200.0	19.33	265.06	5,902.7	-153.4	-1,774.9	1,781.4	0.00	0.00	0.00
6,300.0	19.33	265.06	5,997.1	-156.2	-1,807.9	1,814.5	0.00	0.00	0.00
6,400.0	19.33	265.06	6,091.4	-159.1	-1,840.9	1,847.6	0.00	0.00	0.00
6,500.0	19.33	265.06	6,185.8	-161.9	-1,873.9	1,880.7	0.00	0.00	0.00
6,600.0	19.33	265.06	6,280.1	-164.8	-1,906.9	1,913.8	0.00	0.00	0.00
6,700.0	19.33	265.06	6,374.5	-167.6	-1,939.8	1,946.9	0.00	0.00	0.00
6,800.0	19.33	265.06	6,468.9	-170.5	-1,972.8	1,980.1	0.00	0.00	0.00
6,900.0	19.33	265.06	6,563.2	-173.3	-2,005.8	2,013.2	0.00	0.00	0.00
7,000.0	19.33	265.06	6,657.6	-176.2	-2,038.8	2,046.3	0.00	0.00	0.00
7,100.0	19.33	265.06	6,751.9	-179.0	-2,071.8	2,079.4	0.00	0.00	0.00
7,200.0	19.33	265.06	6,846.3	-181.9	-2,104.8	2,112.5	0.00	0.00	0.00
Start Drop -3.00									
7,256.6	19.33	265.06	6,899.7	-183.5	-2,123.4	2,131.2	0.00	0.00	0.00
7,300.0	18.03	265.06	6,940.8	-184.7	-2,137.3	2,145.1	3.00	-3.00	0.00
7,400.0	15.03	265.06	7,036.7	-187.1	-2,165.6	2,173.6	3.00	-3.00	0.00
7,500.0	12.03	265.06	7,133.9	-189.2	-2,188.9	2,197.0	3.00	-3.00	0.00
7,600.0	9.03	265.06	7,232.2	-190.7	-2,207.1	2,215.2	3.00	-3.00	0.00
7,700.0	6.03	265.06	7,331.3	-191.9	-2,220.2	2,228.3	3.00	-3.00	0.00
7,800.0	3.03	265.06	7,431.0	-192.5	-2,228.1	2,236.2	3.00	-3.00	0.00
Start DLS 1.50 TFO 249.97 - Ohio Creek									
7,901.0	0.00	0.00	7,532.0	-192.8	-2,230.7	2,238.9	3.00	-3.00	0.00
Start 3900.5 hold at 7997.8 MD									
7,997.8	1.45	249.97	7,628.7	-193.2	-2,231.9	2,240.1	1.50	1.50	0.00
8,000.0	1.45	249.97	7,630.9	-193.2	-2,231.9	2,240.2	0.00	0.00	0.00
8,100.0	1.45	249.97	7,730.9	-194.1	-2,234.3	2,242.6	0.00	0.00	0.00
Williams Fork - TOG									
8,138.1	1.45	249.97	7,769.0	-194.4	-2,235.2	2,243.5	0.00	0.00	0.00
8,200.0	1.45	249.97	7,830.9	-194.9	-2,236.7	2,245.1	0.00	0.00	0.00
8,300.0	1.45	249.97	7,930.9	-195.8	-2,239.1	2,247.5	0.00	0.00	0.00
8,400.0	1.45	249.97	8,030.8	-196.7	-2,241.5	2,250.0	0.00	0.00	0.00
8,500.0	1.45	249.97	8,130.8	-197.5	-2,243.8	2,252.4	0.00	0.00	0.00
8,600.0	1.45	249.97	8,230.8	-198.4	-2,246.2	2,254.9	0.00	0.00	0.00
8,700.0	1.45	249.97	8,330.7	-199.3	-2,248.6	2,257.3	0.00	0.00	0.00
8,800.0	1.45	249.97	8,430.7	-200.1	-2,251.0	2,259.8	0.00	0.00	0.00
8,900.0	1.45	249.97	8,530.7	-201.0	-2,253.4	2,262.2	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well BJU M33 FED 25A-32 496 - Slot 25A-32
Company:	Caerus Oil & Gas	**TVD Reference:**	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	**MD Reference:**	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	**North Reference:**	True
Well:	BJU M33 FED 25A-32 496	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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	1.45	249.97	8,630.6	-201.9	-2,255.7	2,264.7	0.00	0.00	0.00
9,100.0	1.45	249.97	8,730.6	-202.7	-2,258.1	2,267.1	0.00	0.00	0.00
9,200.0	1.45	249.97	8,830.6	-203.6	-2,260.5	2,269.6	0.00	0.00	0.00
9,300.0	1.45	249.97	8,930.5	-204.5	-2,262.9	2,272.0	0.00	0.00	0.00
9,400.0	1.45	249.97	9,030.5	-205.4	-2,265.2	2,274.5	0.00	0.00	0.00
9,500.0	1.45	249.97	9,130.5	-206.2	-2,267.6	2,276.9	0.00	0.00	0.00
9,600.0	1.45	249.97	9,230.4	-207.1	-2,270.0	2,279.4	0.00	0.00	0.00
9,700.0	1.45	249.97	9,330.4	-208.0	-2,272.4	2,281.8	0.00	0.00	0.00
9,800.0	1.45	249.97	9,430.4	-208.8	-2,274.8	2,284.3	0.00	0.00	0.00
9,900.0	1.45	249.97	9,530.3	-209.7	-2,277.1	2,286.7	0.00	0.00	0.00
10,000.0	1.45	249.97	9,630.3	-210.6	-2,279.5	2,289.2	0.00	0.00	0.00
10,100.0	1.45	249.97	9,730.3	-211.4	-2,281.9	2,291.6	0.00	0.00	0.00
10,200.0	1.45	249.97	9,830.2	-212.3	-2,284.3	2,294.1	0.00	0.00	0.00
10,300.0	1.45	249.97	9,930.2	-213.2	-2,286.7	2,296.6	0.00	0.00	0.00
10,400.0	1.45	249.97	10,030.2	-214.0	-2,289.0	2,299.0	0.00	0.00	0.00
10,500.0	1.45	249.97	10,130.1	-214.9	-2,291.4	2,301.5	0.00	0.00	0.00
10,600.0	1.45	249.97	10,230.1	-215.8	-2,293.8	2,303.9	0.00	0.00	0.00
10,700.0	1.45	249.97	10,330.1	-216.6	-2,296.2	2,306.4	0.00	0.00	0.00
Cameo									
10,739.9	1.45	249.97	10,370.0	-217.0	-2,297.1	2,307.3	0.00	0.00	0.00
10,800.0	1.45	249.97	10,430.0	-217.5	-2,298.6	2,308.8	0.00	0.00	0.00
10,900.0	1.45	249.97	10,530.0	-218.4	-2,300.9	2,311.3	0.00	0.00	0.00
11,000.0	1.45	249.97	10,630.0	-219.2	-2,303.3	2,313.7	0.00	0.00	0.00
11,100.0	1.45	249.97	10,730.0	-220.1	-2,305.7	2,316.2	0.00	0.00	0.00
11,200.0	1.45	249.97	10,829.9	-221.0	-2,308.1	2,318.6	0.00	0.00	0.00
11,300.0	1.45	249.97	10,929.9	-221.8	-2,310.5	2,321.1	0.00	0.00	0.00
Rollins									
11,398.1	1.45	249.97	11,028.0	-222.7	-2,312.8	2,323.5	0.00	0.00	0.00
11,400.0	1.45	249.97	11,029.9	-222.7	-2,312.8	2,323.5	0.00	0.00	0.00
11,500.0	1.45	249.97	11,129.8	-223.6	-2,315.2	2,326.0	0.00	0.00	0.00
11,600.0	1.45	249.97	11,229.8	-224.4	-2,317.6	2,328.4	0.00	0.00	0.00
11,700.0	1.45	249.97	11,329.8	-225.3	-2,320.0	2,330.9	0.00	0.00	0.00
11,800.0	1.45	249.97	11,429.7	-226.2	-2,322.3	2,333.3	0.00	0.00	0.00
TD at 11898.3									
11,898.3	1.45	249.97	11,528.0	-227.0	-2,324.7	2,335.7	0.00	0.00	0.00

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 - 25A-32 - plan hits target center - Point	0.00	0.00	7,532.0	-192.8	-2,230.7	14,412,002.48	2,432,598.63	39.652694	-108.185786
PBHL - 25A-32 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,528.0	-227.0	-2,324.7	14,411,965.30	2,432,505.80	39.652600	-108.186120

Database:	EDM 5000.1 Single User Db	**Local Co-ordinate Reference:**	Well BJU M33 FED 25A-32 496 - Slot 25A-32
Company:	Caerus Oil & Gas	**TVD Reference:**	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	**MD Reference:**	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	**North Reference:**	True
Well:	BJU M33 FED 25A-32 496	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,530.3	2,440.0	Wasatch			
5,709.6	5,440.0	Wasatch G			
5,974.6	5,690.0	Fort Union			
7,901.0	7,532.0	Ohio Creek			
8,138.1	7,769.0	Williams Fork			
8,138.1	7,769.0	TOG			
10,739.9	10,370.0	Cameo			
11,398.1	11,028.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
500.0	500.0	0.0	0.0	Start Build 3.00
1,144.5	1,132.3	-9.3	-107.3	Start 6112.1 hold at 1144.5 MD
7,256.6	6,899.7	-183.5	-2,123.4	Start Drop -3.00
7,901.0	7,532.0	-192.8	-2,230.7	Start DLS 1.50 TFO 249.97
7,997.8	7,628.7	-193.2	-2,231.9	Start 3900.5 hold at 7997.8 MD
11,898.3	11,528.0	-227.0	-2,324.7	TD at 11898.3