

Project: Garfield County, CO  
 Site: NPM G35 496 Pad  
 Well: BJU G35 FED 12B-35 496  
 Wellbore: Wellbore #1  
 Design: Design #2  
 Latitude: 39.660667  
 Longitude: -108.134301  
 Ground Level: 8164.0  
 RKB @ 8194.0usft (H&P#329)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2537.0	2681.2	Wasatch
5537.0	5939.0	Wasatch G
5814.0	6239.8	Fort Union
7819.0	8373.4	Ohio Creek / TOG
8065.0	8619.4	Williams Fork
10809.0	11364.4	Cameo
11407.0	11962.6	Rollins

#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU G35 FED 12B-35 496 - Slot 12B-35, True North  
 Vertical (TVD) Reference: RKB @ 8194.0usft (H&P#329)  
 Section (VS) Reference: Slot - 12B-35(0.0N, 0.0E)  
 Measured Depth Reference: RKB @ 8194.0usft (H&P#329)  
 Calculation Method: Minimum Curvature

#### WELL DETAILS: BJU G35 FED 12B-35 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14415365.20	2447000.80	39.660667	-108.134301

#### PROJECT DETAILS: Garfield County, CO

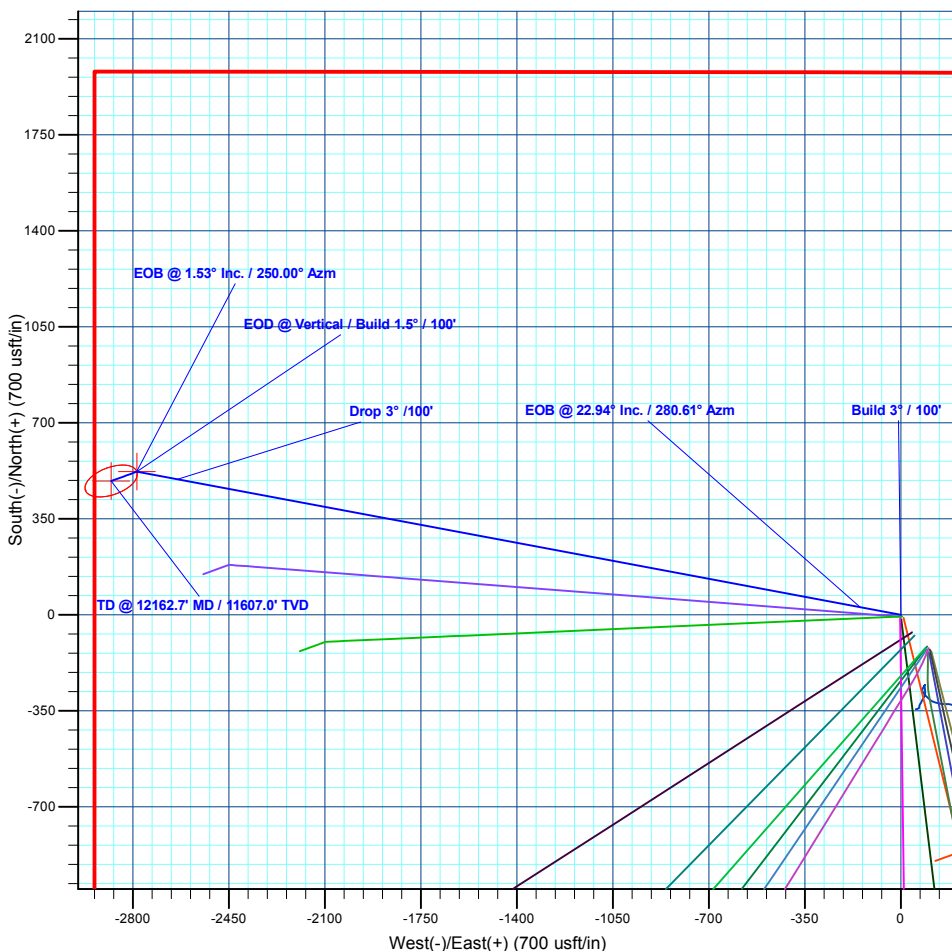
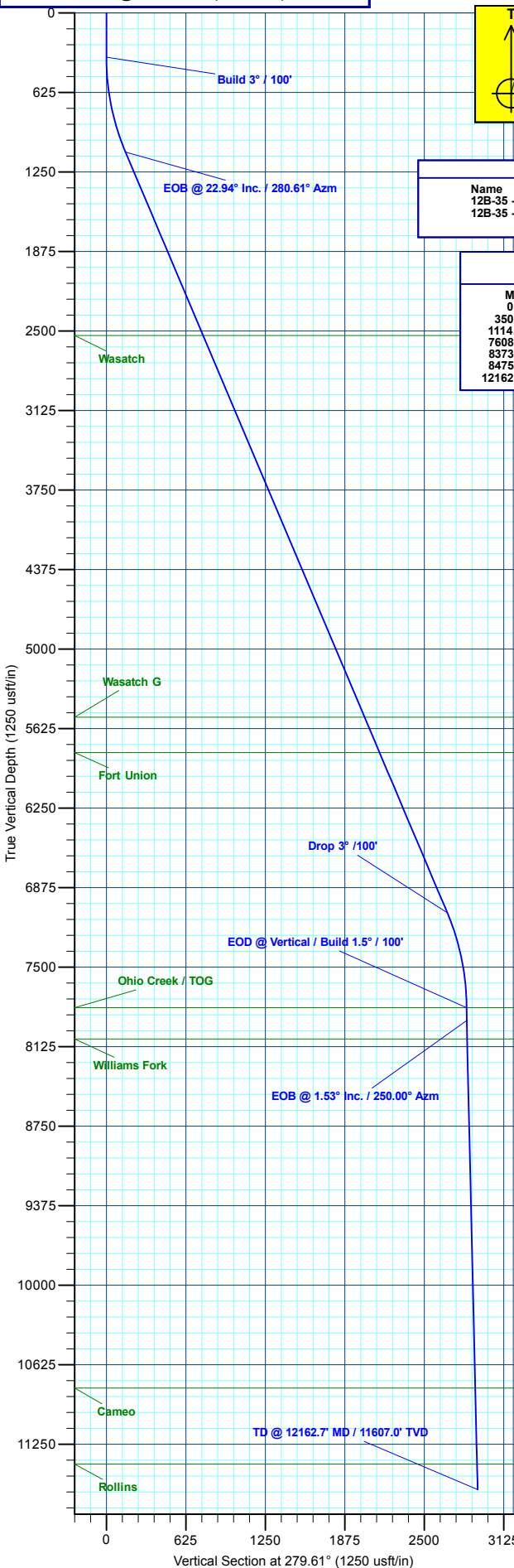
Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD 1927 - Western US  
 Ellipsoid: Clarke 1866  
 Zone: Zone 12N (114 W to 108 W)  
 System Datum: Mean Sea Level

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
12B-35 - OHCR	7819.0	521.8	-2785.3	14415797.79	2444200.23	39.662099	-108.144191
12B-35 - PBHL	11607.0	487.6	-2879.3	14415760.60	2444107.40	39.662005	-108.144524

#### 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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
1114.8	22.95	280.61	1094.6	27.8	-148.5	3.00	280.61	151.1	EOB @ 22.94° Inc. / 280.61° Azm
7608.5	22.95	280.61	7074.4	494.0	-2636.8	0.00	0.00	2682.3	Drop 3° / 100'
8373.4	0.00	0.00	7819.0	521.8	-2785.3	3.00	180.00	2833.4	EOD @ Vertical / Build 1.5° / 100'
8475.5	1.53	250.00	7921.2	521.3	-2786.6	1.50	250.00	2834.5	EOB @ 1.53° Inc. / 250.00° Azm
12162.7	1.53	250.00	11607.0	487.6	-2879.3	0.00	0.00	2920.3	TD @ 12162.7' MD / 11607.0' TVD



Plan: Design #2 (BJU G35 FED 12B-35 496/Wellbore #1)

Created By: Will Jircik Date: 11:47, June 07 2021



## **Caerus Oil & Gas**

**Garfield County, CO**

**NPM G35 496 Pad**

**BJU G35 FED 12B-35 496 - Slot 12B-35**

**Wellbore #1**

**Plan: Design #2**

## **KLX Well Planning Report**

**07 June, 2021**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 12B-35 496 - Slot 12B-35
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Site:</b>	NPM G35 496 Pad	<b>North Reference:</b>	True
<b>Well:</b>	BJU G35 FED 12B-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

<b>Project</b>	Garfield County, CO		
<b>Map System:</b>	Universal Transverse Mercator (US Survey Fee	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 - Western US		
<b>Map Zone:</b>	Zone 12N (114 W to 108 W)		

Site		NPM G35 496 Pad				
Site Position:		Northing:	14,415,365.20 usft	Latitude:	39.660667	
From:	Map	Easting:	2,447,000.80 usft	Longitude:	-108.134301	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.83 °

Well	BJU G35 FED 12B-35 496 - Slot 12B-35					
Well Position	+N/-S	0.0 usft	Northing:	14,415,365.20 usft	Latitude:	39.660667
	+E/-W	0.0 usft	Easting:	2,447,000.80 usft	Longitude:	-108.134301
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	8,164.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2020	12/11/2019	9.48	65.85	51,253.00000000

<b>Design</b>	Design #2			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	279.61

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	
350.0	0.00	0.00	350.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,114.8	22.95	280.61	1,094.6	27.8	-148.5	3.00	3.00	0.00	280.61	
7,608.5	22.95	280.61	7,074.4	494.0	-2,636.8	0.00	0.00	0.00	0.00	
8,373.4	0.00	0.00	7,819.0	521.8	-2,785.3	3.00	-3.00	0.00	180.00	12B-35 - OHCR
8,475.5	1.53	250.00	7,921.2	521.3	-2,786.6	1.50	1.50	-107.64	250.00	
12,162.7	1.53	250.00	11,607.0	487.6	-2,879.3	0.00	0.00	0.00	0.00	12B-35 - PBHL

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 12B-35 496 - Slot 12B-35
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Site:</b>	NPM G35 496 Pad	<b>North Reference:</b>	True
<b>Well:</b>	BJU G35 FED 12B-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

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
<b>Build 3° / 100'</b>									
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	280.61	400.0	0.1	-0.6	0.7	3.00	3.00	0.00
500.0	4.50	280.61	499.8	1.1	-5.8	5.9	3.00	3.00	0.00
600.0	7.50	280.61	599.3	3.0	-16.1	16.3	3.00	3.00	0.00
700.0	10.50	280.61	698.0	5.9	-31.4	32.0	3.00	3.00	0.00
800.0	13.50	280.61	795.8	9.7	-51.9	52.8	3.00	3.00	0.00
900.0	16.50	280.61	892.4	14.5	-77.3	78.6	3.00	3.00	0.00
1,000.0	19.50	280.61	987.5	20.2	-107.7	109.5	3.00	3.00	0.00
1,100.0	22.50	280.61	1,080.9	26.8	-142.9	145.4	3.00	3.00	0.00
<b>EOB @ 22.94° Inc. / 280.61° Azm</b>									
1,114.8	22.95	280.61	1,094.6	27.8	-148.5	151.1	3.00	3.00	0.00
1,200.0	22.95	280.61	1,173.0	33.9	-181.2	184.3	0.00	0.00	0.00
1,300.0	22.95	280.61	1,265.1	41.1	-219.5	223.3	0.00	0.00	0.00
1,400.0	22.95	280.61	1,357.2	48.3	-257.8	262.2	0.00	0.00	0.00
1,500.0	22.95	280.61	1,449.2	55.5	-296.1	301.2	0.00	0.00	0.00
1,600.0	22.95	280.61	1,541.3	62.7	-334.4	340.2	0.00	0.00	0.00
1,700.0	22.95	280.61	1,633.4	69.8	-372.8	379.2	0.00	0.00	0.00
1,800.0	22.95	280.61	1,725.5	77.0	-411.1	418.2	0.00	0.00	0.00
1,900.0	22.95	280.61	1,817.6	84.2	-449.4	457.1	0.00	0.00	0.00
2,000.0	22.95	280.61	1,909.7	91.4	-487.7	496.1	0.00	0.00	0.00
2,100.0	22.95	280.61	2,001.8	98.5	-526.0	535.1	0.00	0.00	0.00
2,200.0	22.95	280.61	2,093.9	105.7	-564.3	574.1	0.00	0.00	0.00
2,300.0	22.95	280.61	2,185.9	112.9	-602.7	613.1	0.00	0.00	0.00
2,400.0	22.95	280.61	2,278.0	120.1	-641.0	652.0	0.00	0.00	0.00
2,500.0	22.95	280.61	2,370.1	127.3	-679.3	691.0	0.00	0.00	0.00
2,600.0	22.95	280.61	2,462.2	134.4	-717.6	730.0	0.00	0.00	0.00
<b>Wasatch</b>									
2,681.2	22.95	280.61	2,537.0	140.3	-748.7	761.6	0.00	0.00	0.00
2,700.0	22.95	280.61	2,554.3	141.6	-755.9	769.0	0.00	0.00	0.00
2,800.0	22.95	280.61	2,646.4	148.8	-794.3	807.9	0.00	0.00	0.00
2,900.0	22.95	280.61	2,738.5	156.0	-832.6	846.9	0.00	0.00	0.00
3,000.0	22.95	280.61	2,830.6	163.2	-870.9	885.9	0.00	0.00	0.00
3,100.0	22.95	280.61	2,922.7	170.3	-909.2	924.9	0.00	0.00	0.00
3,200.0	22.95	280.61	3,014.7	177.5	-947.5	963.9	0.00	0.00	0.00
3,300.0	22.95	280.61	3,106.8	184.7	-985.8	1,002.8	0.00	0.00	0.00
3,400.0	22.95	280.61	3,198.9	191.9	-1,024.2	1,041.8	0.00	0.00	0.00
3,500.0	22.95	280.61	3,291.0	199.0	-1,062.5	1,080.8	0.00	0.00	0.00
3,600.0	22.95	280.61	3,383.1	206.2	-1,100.8	1,119.8	0.00	0.00	0.00
3,700.0	22.95	280.61	3,475.2	213.4	-1,139.1	1,158.8	0.00	0.00	0.00
3,800.0	22.95	280.61	3,567.3	220.6	-1,177.4	1,197.7	0.00	0.00	0.00
3,900.0	22.95	280.61	3,659.4	227.8	-1,215.8	1,236.7	0.00	0.00	0.00
4,000.0	22.95	280.61	3,751.4	234.9	-1,254.1	1,275.7	0.00	0.00	0.00
4,100.0	22.95	280.61	3,843.5	242.1	-1,292.4	1,314.7	0.00	0.00	0.00
4,200.0	22.95	280.61	3,935.6	249.3	-1,330.7	1,353.7	0.00	0.00	0.00
4,300.0	22.95	280.61	4,027.7	256.5	-1,369.0	1,392.6	0.00	0.00	0.00
4,400.0	22.95	280.61	4,119.8	263.7	-1,407.3	1,431.6	0.00	0.00	0.00
4,500.0	22.95	280.61	4,211.9	270.8	-1,445.7	1,470.6	0.00	0.00	0.00
4,600.0	22.95	280.61	4,304.0	278.0	-1,484.0	1,509.6	0.00	0.00	0.00

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<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Site:</b>	NPM G35 496 Pad	<b>North Reference:</b>	True
<b>Well:</b>	BJU G35 FED 12B-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

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)
4,700.0	22.95	280.61	4,396.1	285.2	-1,522.3	1,548.6	0.00	0.00	0.00
4,800.0	22.95	280.61	4,488.1	292.4	-1,560.6	1,587.5	0.00	0.00	0.00
4,900.0	22.95	280.61	4,580.2	299.5	-1,598.9	1,626.5	0.00	0.00	0.00
5,000.0	22.95	280.61	4,672.3	306.7	-1,637.3	1,665.5	0.00	0.00	0.00
5,100.0	22.95	280.61	4,764.4	313.9	-1,675.6	1,704.5	0.00	0.00	0.00
5,200.0	22.95	280.61	4,856.5	321.1	-1,713.9	1,743.4	0.00	0.00	0.00
5,300.0	22.95	280.61	4,948.6	328.3	-1,752.2	1,782.4	0.00	0.00	0.00
5,400.0	22.95	280.61	5,040.7	335.4	-1,790.5	1,821.4	0.00	0.00	0.00
5,500.0	22.95	280.61	5,132.8	342.6	-1,828.9	1,860.4	0.00	0.00	0.00
5,600.0	22.95	280.61	5,224.8	349.8	-1,867.2	1,899.4	0.00	0.00	0.00
5,700.0	22.95	280.61	5,316.9	357.0	-1,905.5	1,938.3	0.00	0.00	0.00
5,800.0	22.95	280.61	5,409.0	364.2	-1,943.8	1,977.3	0.00	0.00	0.00
5,900.0	22.95	280.61	5,501.1	371.3	-1,982.1	2,016.3	0.00	0.00	0.00
<b>Wasatch G</b>									
5,939.0	22.95	280.61	5,537.0	374.1	-1,997.1	2,031.5	0.00	0.00	0.00
6,000.0	22.95	280.61	5,593.2	378.5	-2,020.4	2,055.3	0.00	0.00	0.00
6,100.0	22.95	280.61	5,685.3	385.7	-2,058.8	2,094.3	0.00	0.00	0.00
6,200.0	22.95	280.61	5,777.4	392.9	-2,097.1	2,133.2	0.00	0.00	0.00
<b>Fort Union</b>									
6,239.8	22.95	280.61	5,814.0	395.7	-2,112.3	2,148.7	0.00	0.00	0.00
6,300.0	22.95	280.61	5,869.5	400.0	-2,135.4	2,172.2	0.00	0.00	0.00
6,400.0	22.95	280.61	5,961.5	407.2	-2,173.7	2,211.2	0.00	0.00	0.00
6,500.0	22.95	280.61	6,053.6	414.4	-2,212.0	2,250.2	0.00	0.00	0.00
6,600.0	22.95	280.61	6,145.7	421.6	-2,250.4	2,289.2	0.00	0.00	0.00
6,700.0	22.95	280.61	6,237.8	428.8	-2,288.7	2,328.1	0.00	0.00	0.00
6,800.0	22.95	280.61	6,329.9	435.9	-2,327.0	2,367.1	0.00	0.00	0.00
6,900.0	22.95	280.61	6,422.0	443.1	-2,365.3	2,406.1	0.00	0.00	0.00
7,000.0	22.95	280.61	6,514.1	450.3	-2,403.6	2,445.1	0.00	0.00	0.00
7,100.0	22.95	280.61	6,606.2	457.5	-2,441.9	2,484.1	0.00	0.00	0.00
7,200.0	22.95	280.61	6,698.3	464.7	-2,480.3	2,523.0	0.00	0.00	0.00
7,300.0	22.95	280.61	6,790.3	471.8	-2,518.6	2,562.0	0.00	0.00	0.00
7,400.0	22.95	280.61	6,882.4	479.0	-2,556.9	2,601.0	0.00	0.00	0.00
7,500.0	22.95	280.61	6,974.5	486.2	-2,595.2	2,640.0	0.00	0.00	0.00
<b>Drop 3° /100'</b>									
7,608.5	22.95	280.61	7,074.4	494.0	-2,636.8	2,682.3	0.00	0.00	0.00
7,700.0	20.20	280.61	7,159.5	500.2	-2,669.9	2,715.9	3.00	-3.00	0.00
7,800.0	17.20	280.61	7,254.2	506.1	-2,701.4	2,747.9	3.00	-3.00	0.00
7,900.0	14.20	280.61	7,350.5	511.1	-2,728.0	2,775.0	3.00	-3.00	0.00
8,000.0	11.20	280.61	7,448.0	515.1	-2,749.6	2,797.0	3.00	-3.00	0.00
8,100.0	8.20	280.61	7,546.6	518.2	-2,766.1	2,813.8	3.00	-3.00	0.00
8,200.0	5.20	280.61	7,645.9	520.4	-2,777.6	2,825.5	3.00	-3.00	0.00
8,300.0	2.20	280.61	7,745.7	521.5	-2,783.9	2,831.9	3.00	-3.00	0.00
<b>EOD @ Vertical / Build 1.5° / 100' - Ohio Creek / TOG</b>									
8,373.4	0.00	0.00	7,819.0	521.8	-2,785.3	2,833.4	3.00	-3.00	0.00
8,400.0	0.40	250.00	7,845.6	521.8	-2,785.4	2,833.4	1.50	1.50	0.00
<b>EOB @ 1.53° Inc. / 250.00° Azm</b>									
8,475.5	1.53	250.00	7,921.2	521.3	-2,786.6	2,834.5	1.50	1.50	0.00
8,500.0	1.53	250.00	7,945.6	521.1	-2,787.2	2,835.1	0.00	0.00	0.00
8,600.0	1.53	250.00	8,045.6	520.2	-2,789.7	2,837.4	0.00	0.00	0.00
<b>Williams Fork</b>									
8,619.4	1.53	250.00	8,065.0	520.0	-2,790.2	2,837.9	0.00	0.00	0.00
8,700.0	1.53	250.00	8,145.6	519.3	-2,792.3	2,839.8	0.00	0.00	0.00
8,800.0	1.53	250.00	8,245.5	518.4	-2,794.8	2,842.1	0.00	0.00	0.00

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 12B-35 496 - Slot 12B-35
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Site:</b>	NPM G35 496 Pad	<b>North Reference:</b>	True
<b>Well:</b>	BJU G35 FED 12B-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

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	1.53	250.00	8,345.5	517.5	-2,797.3	2,844.4	0.00	0.00	0.00	
9,000.0	1.53	250.00	8,445.4	516.5	-2,799.8	2,846.7	0.00	0.00	0.00	
9,100.0	1.53	250.00	8,545.4	515.6	-2,802.3	2,849.1	0.00	0.00	0.00	
9,200.0	1.53	250.00	8,645.4	514.7	-2,804.8	2,851.4	0.00	0.00	0.00	
9,300.0	1.53	250.00	8,745.3	513.8	-2,807.3	2,853.7	0.00	0.00	0.00	
9,400.0	1.53	250.00	8,845.3	512.9	-2,809.9	2,856.0	0.00	0.00	0.00	
9,500.0	1.53	250.00	8,945.3	512.0	-2,812.4	2,858.4	0.00	0.00	0.00	
9,600.0	1.53	250.00	9,045.2	511.0	-2,814.9	2,860.7	0.00	0.00	0.00	
9,700.0	1.53	250.00	9,145.2	510.1	-2,817.4	2,863.0	0.00	0.00	0.00	
9,800.0	1.53	250.00	9,245.2	509.2	-2,819.9	2,865.3	0.00	0.00	0.00	
9,900.0	1.53	250.00	9,345.1	508.3	-2,822.4	2,867.7	0.00	0.00	0.00	
10,000.0	1.53	250.00	9,445.1	507.4	-2,824.9	2,870.0	0.00	0.00	0.00	
10,100.0	1.53	250.00	9,545.1	506.5	-2,827.4	2,872.3	0.00	0.00	0.00	
10,200.0	1.53	250.00	9,645.0	505.6	-2,830.0	2,874.6	0.00	0.00	0.00	
10,300.0	1.53	250.00	9,745.0	504.6	-2,832.5	2,877.0	0.00	0.00	0.00	
10,400.0	1.53	250.00	9,844.9	503.7	-2,835.0	2,879.3	0.00	0.00	0.00	
10,500.0	1.53	250.00	9,944.9	502.8	-2,837.5	2,881.6	0.00	0.00	0.00	
10,600.0	1.53	250.00	10,044.9	501.9	-2,840.0	2,883.9	0.00	0.00	0.00	
10,700.0	1.53	250.00	10,144.8	501.0	-2,842.5	2,886.3	0.00	0.00	0.00	
10,800.0	1.53	250.00	10,244.8	500.1	-2,845.0	2,888.6	0.00	0.00	0.00	
10,900.0	1.53	250.00	10,344.8	499.2	-2,847.6	2,890.9	0.00	0.00	0.00	
11,000.0	1.53	250.00	10,444.7	498.2	-2,850.1	2,893.3	0.00	0.00	0.00	
11,100.0	1.53	250.00	10,544.7	497.3	-2,852.6	2,895.6	0.00	0.00	0.00	
11,200.0	1.53	250.00	10,644.7	496.4	-2,855.1	2,897.9	0.00	0.00	0.00	
11,300.0	1.53	250.00	10,744.6	495.5	-2,857.6	2,900.2	0.00	0.00	0.00	
<b>Cameo</b>										
11,364.4	1.53	250.00	10,809.0	494.9	-2,859.2	2,901.7	0.00	0.00	0.00	
11,400.0	1.53	250.00	10,844.6	494.6	-2,860.1	2,902.6	0.00	0.00	0.00	
11,500.0	1.53	250.00	10,944.6	493.7	-2,862.6	2,904.9	0.00	0.00	0.00	
11,600.0	1.53	250.00	11,044.5	492.7	-2,865.2	2,907.2	0.00	0.00	0.00	
11,700.0	1.53	250.00	11,144.5	491.8	-2,867.7	2,909.5	0.00	0.00	0.00	
11,800.0	1.53	250.00	11,244.4	490.9	-2,870.2	2,911.9	0.00	0.00	0.00	
11,900.0	1.53	250.00	11,344.4	490.0	-2,872.7	2,914.2	0.00	0.00	0.00	
<b>Rollins</b>										
11,962.6	1.53	250.00	11,407.0	489.4	-2,874.3	2,915.6	0.00	0.00	0.00	
12,000.0	1.53	250.00	11,444.4	489.1	-2,875.2	2,916.5	0.00	0.00	0.00	
12,100.0	1.53	250.00	11,544.3	488.2	-2,877.7	2,918.8	0.00	0.00	0.00	
<b>TD @ 12162.7' MD / 11607.0' TVD</b>										
12,162.7	1.53	250.00	11,607.0	487.6	-2,879.3	2,920.3	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
12B-35 - OHCR - hit/miss target - Shape - Point	0.00	0.00	7,819.0	521.8	-2,785.3	14,415,797.79	2,444,200.23	39.662099	-108.144191	
12B-35 - PBHL - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,607.0	487.6	-2,879.3	14,415,760.60	2,444,107.40	39.662005	-108.144525	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 12B-35 496 - Slot 12B-35
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Project:</b>	Garfield County, CO	<b>MD Reference:</b>	RKB @ 8194.0usft (H&P#329)
<b>Site:</b>	NPM G35 496 Pad	<b>North Reference:</b>	True
<b>Well:</b>	BJU G35 FED 12B-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

#### Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,681.2	2,537.0	Wasatch			
5,939.0	5,537.0	Wasatch G			
6,239.8	5,814.0	Fort Union			
8,373.4	7,819.0	Ohio Creek / TOG			
8,619.4	8,065.0	Williams Fork			
11,364.4	10,809.0	Cameo			
11,962.6	11,407.0	Rollins			

#### Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
350.0	350.0	0.0	0.0	Build 3° / 100'
1,114.8	1,094.6	27.8	-148.5	EOB @ 22.94° Inc. / 280.61° Azm
7,608.5	7,074.4	494.0	-2,636.8	Drop 3° / 100'
8,373.4	7,819.0	521.8	-2,785.3	EOD @ Vertical / Build 1.5° / 100'
8,475.5	7,921.2	521.3	-2,786.6	EOB @ 1.53° Inc. / 250.00° Azm
12,162.7	11,607.0	487.6	-2,879.3	TD @ 12162.7' MD / 11607.0' TVD