

Project: Garfield County, CO  
 Site: NPM G35 496 Pad  
 Well: BJU G35 FED 14D-35 496  
 Wellbore: Wellbore #1  
 Design: Design #1  
 Latitude: 39.660317  
 Longitude: -108.133971  
 Ground Level: 8164.0  
 RKB @ 8194.0usft (H&P#329)

FORMATION TOP DETAILS		
TVDPPath	MDPath	Formation
2460.0	2580.4	Wasatch
5460.0	5780.2	Wasatch G
5795.0	6137.5	Fort Union
7792.0	8237.5	Ohio Creek
7792.0	8237.5	TOG
8037.0	8482.5	Williams Fork
10744.0	11190.5	Cameo
11352.0	11798.7	Rollins

REFERENCE INFORMATION	
Co-ordinate (N/E)	Reference: Well BJU G35 FED 14D-35 496 - Slot BJU G35 FED 14D-35 496, True North
Vertical (TVD)	Reference: RKB @ 8194.0usft (H&P#329)
Section (VS)	Reference: Slot - BJU G35 FED 14D-35 496(0.0N, 0.0E)
Measured Depth	Reference: RKB @ 8194.0usft (H&P#329)
	Calculation Method: Minimum Curvature

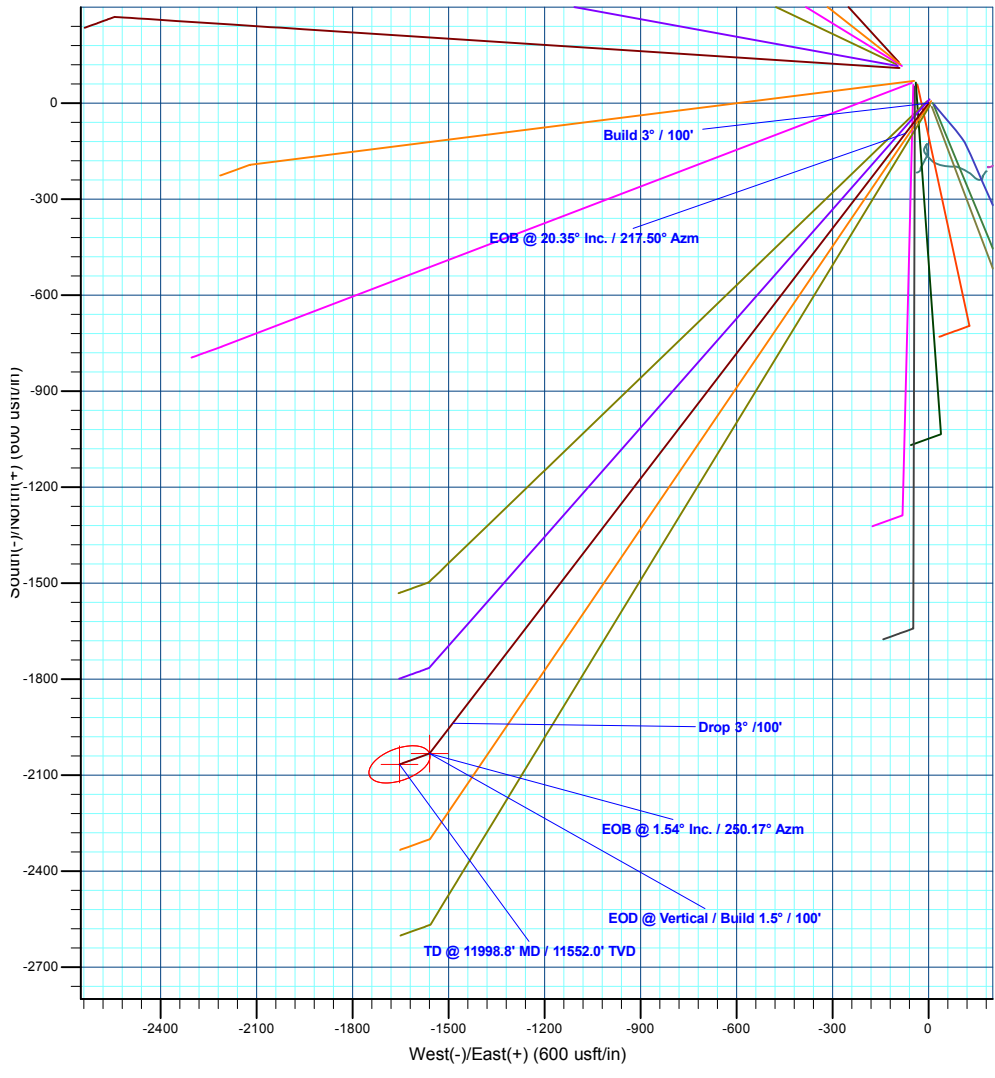
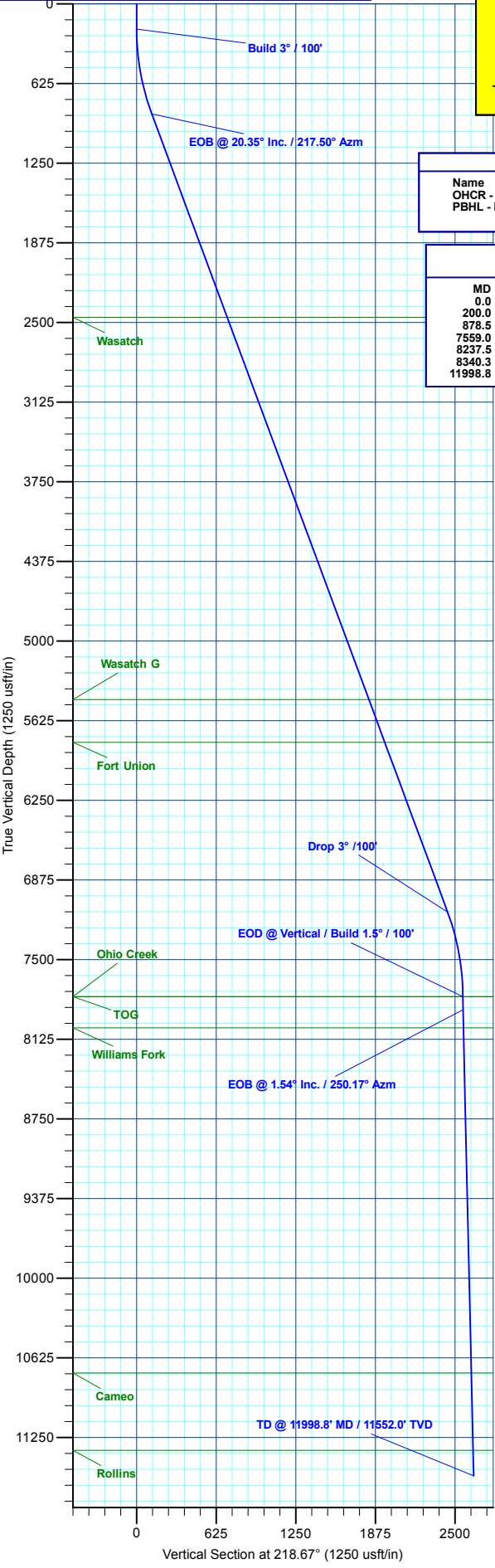
WELL DETAILS: BJU G35 FED 14D-35 496					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14415240.80	8164.0 2447097.80	39.660317	-108.133971

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

**T M**  
 Azimuths to True North  
 Magnetic North: 9.48°  
 Magnetic Field  
 Strength: 51251.0nT  
 Dip Angle: 65.83°  
 Date: 12/11/2019  
 Model: HDGM\_FILE

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - BJ G35 14D-35 496	7792.0	-2032.6	-1559.7	14413159.38	2445603.85	39.654739	-108.139508
PBHL - BJ G35 14D-35 496	11552.0	-2066.5	-1653.6	14413122.50	2445511.00	39.654646	-108.139842

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	Build 3° / 100'	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	EOB @ 20.35° Inc. / 217.50° Azm	
878.5	20.35	217.50	864.3	-94.6	-72.6	3.00	217.50	119.2	Drop 3° / 100'	
7559.0	20.35	217.50	7127.7	-1938.0	-1487.1	0.00	0.00	2442.3	EOB @ Vertical / Build 1.5° / 100'	
8237.5	0.00	0.00	7792.0	-2032.6	-1559.7	3.00	180.00	2561.5	EOB @ 1.54° Inc. / 250.17° Azm	
8340.3	1.54	250.17	7894.9	-2033.1	-1561.0	1.50	250.17	2562.7	EOB @ 1.54° Inc. / 250.17° Azm	
11998.8	1.54	250.17	11552.0	-2066.5	-1653.6	0.00	0.00	2646.7	TD @ 11998.8' MD / 11552.0' TVD	



**Plan: Design #1 (BJU G35 FED 14D-35 496/Wellbore #1)**  
 Created By: Will Jircik Date: 16:13, December 18 2019



## **Caerus Oil & Gas**

**Garfield County, CO**

**NPM G35 496 Pad**

**BJU G35 FED 14D-35 496 - Slot BJU G35 FED 14D-35 496**

**Wellbore #1**

**Plan: Design #1**

## **QES Well Planning Report**

**18 December, 2019**



<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 14D-35 496 - Slot BJU G35 FED 14D-35 496
<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 14D-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<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)		

<b>Site</b>	NPM G35 496 Pad				
<b>Site Position:</b>		<b>Northing:</b>	14,415,354.00 usft	<b>Latitude:</b>	39.660635
<b>From:</b>	Map	<b>Easting:</b>	2,447,010.80 usft	<b>Longitude:</b>	-108.134267
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.83 °

<b>Well</b>	BJU G35 FED 14D-35 496 - Slot BJU G35 FED 14D-35 496					
<b>Well Position</b>	<b>+N/-S</b>	-115.9 usft	<b>Northing:</b>	14,415,240.80 usft	<b>Latitude:</b>	39.660317
	<b>+E/-W</b>	83.3 usft	<b>Easting:</b>	2,447,097.80 usft	<b>Longitude:</b>	-108.133971
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	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>
	HDGM_FILE	12/11/2019	9.48	65.83	51,251.00000000

<b>Design</b>	Design #1			
<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	218.67

<b>Plan Sections</b>											
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		
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00		
878.5	20.35	217.50	864.3	-94.6	-72.6	3.00	3.00	0.00	217.50		
7,559.0	20.35	217.50	7,127.7	-1,938.0	-1,487.1	0.00	0.00	0.00	0.00		
8,237.5	0.00	0.00	7,792.0	-2,032.6	-1,559.7	3.00	-3.00	0.00	180.00	OHCR - BJ G35 14	
8,340.3	1.54	250.17	7,894.9	-2,033.1	-1,561.0	1.50	1.50	-106.76	250.17		
11,998.8	1.54	250.17	11,552.0	-2,066.5	-1,653.6	0.00	0.00	0.00	0.00	PBHL - BJ G35 14I	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 14D-35 496 - Slot BJU G35 FED 14D-35 496
<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 14D-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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
<b>Build 3° / 100'</b>									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	3.00	217.50	300.0	-2.1	-1.6	2.6	3.00	3.00	0.00
400.0	6.00	217.50	399.6	-8.3	-6.4	10.5	3.00	3.00	0.00
500.0	9.00	217.50	498.8	-18.7	-14.3	23.5	3.00	3.00	0.00
600.0	12.00	217.50	597.1	-33.1	-25.4	41.7	3.00	3.00	0.00
700.0	15.00	217.50	694.3	-51.6	-39.6	65.1	3.00	3.00	0.00
800.0	18.00	217.50	790.2	-74.2	-56.9	93.5	3.00	3.00	0.00
<b>EOB @ 20.35° Inc. / 217.50° Azm</b>									
878.5	20.35	217.50	864.3	-94.6	-72.6	119.2	3.00	3.00	0.00
900.0	20.35	217.50	884.5	-100.5	-77.2	126.7	0.00	0.00	0.00
1,000.0	20.35	217.50	978.2	-128.1	-98.3	161.5	0.00	0.00	0.00
1,100.0	20.35	217.50	1,072.0	-155.7	-119.5	196.3	0.00	0.00	0.00
1,200.0	20.35	217.50	1,165.7	-183.3	-140.7	231.0	0.00	0.00	0.00
1,300.0	20.35	217.50	1,259.5	-210.9	-161.8	265.8	0.00	0.00	0.00
1,400.0	20.35	217.50	1,353.3	-238.5	-183.0	300.6	0.00	0.00	0.00
1,500.0	20.35	217.50	1,447.0	-266.1	-204.2	335.4	0.00	0.00	0.00
1,600.0	20.35	217.50	1,540.8	-293.7	-225.4	370.1	0.00	0.00	0.00
1,700.0	20.35	217.50	1,634.5	-321.3	-246.5	404.9	0.00	0.00	0.00
1,800.0	20.35	217.50	1,728.3	-348.9	-267.7	439.7	0.00	0.00	0.00
1,900.0	20.35	217.50	1,822.0	-376.5	-288.9	474.5	0.00	0.00	0.00
2,000.0	20.35	217.50	1,915.8	-404.1	-310.1	509.2	0.00	0.00	0.00
2,100.0	20.35	217.50	2,009.6	-431.7	-331.2	544.0	0.00	0.00	0.00
2,200.0	20.35	217.50	2,103.3	-459.3	-352.4	578.8	0.00	0.00	0.00
2,300.0	20.35	217.50	2,197.1	-486.9	-373.6	613.5	0.00	0.00	0.00
2,400.0	20.35	217.50	2,290.8	-514.5	-394.7	648.3	0.00	0.00	0.00
2,500.0	20.35	217.50	2,384.6	-542.1	-415.9	683.1	0.00	0.00	0.00
<b>Wasatch</b>									
2,580.4	20.35	217.50	2,460.0	-564.3	-433.0	711.1	0.00	0.00	0.00
2,600.0	20.35	217.50	2,478.3	-569.6	-437.1	717.9	0.00	0.00	0.00
2,700.0	20.35	217.50	2,572.1	-597.2	-458.3	752.6	0.00	0.00	0.00
2,800.0	20.35	217.50	2,665.8	-624.8	-479.4	787.4	0.00	0.00	0.00
2,900.0	20.35	217.50	2,759.6	-652.4	-500.6	822.2	0.00	0.00	0.00
3,000.0	20.35	217.50	2,853.4	-680.0	-521.8	857.0	0.00	0.00	0.00
3,100.0	20.35	217.50	2,947.1	-707.6	-543.0	891.7	0.00	0.00	0.00
3,200.0	20.35	217.50	3,040.9	-735.2	-564.1	926.5	0.00	0.00	0.00
3,300.0	20.35	217.50	3,134.6	-762.8	-585.3	961.3	0.00	0.00	0.00
3,400.0	20.35	217.50	3,228.4	-790.4	-606.5	996.1	0.00	0.00	0.00
3,500.0	20.35	217.50	3,322.1	-818.0	-627.7	1,030.8	0.00	0.00	0.00
3,600.0	20.35	217.50	3,415.9	-845.6	-648.8	1,065.6	0.00	0.00	0.00
3,700.0	20.35	217.50	3,509.7	-873.2	-670.0	1,100.4	0.00	0.00	0.00
3,800.0	20.35	217.50	3,603.4	-900.8	-691.2	1,135.2	0.00	0.00	0.00
3,900.0	20.35	217.50	3,697.2	-928.4	-712.3	1,169.9	0.00	0.00	0.00
4,000.0	20.35	217.50	3,790.9	-956.0	-733.5	1,204.7	0.00	0.00	0.00
4,100.0	20.35	217.50	3,884.7	-983.6	-754.7	1,239.5	0.00	0.00	0.00
4,200.0	20.35	217.50	3,978.4	-1,011.2	-775.9	1,274.3	0.00	0.00	0.00
4,300.0	20.35	217.50	4,072.2	-1,038.7	-797.0	1,309.0	0.00	0.00	0.00
4,400.0	20.35	217.50	4,165.9	-1,066.3	-818.2	1,343.8	0.00	0.00	0.00
4,500.0	20.35	217.50	4,259.7	-1,093.9	-839.4	1,378.6	0.00	0.00	0.00
4,600.0	20.35	217.50	4,353.5	-1,121.5	-860.6	1,413.4	0.00	0.00	0.00
4,700.0	20.35	217.50	4,447.2	-1,149.1	-881.7	1,448.1	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 14D-35 496 - Slot BJU G35 FED 14D-35 496
<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 14D-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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	20.35	217.50	4,541.0	-1,176.7	-902.9	1,482.9	0.00	0.00	0.00
4,900.0	20.35	217.50	4,634.7	-1,204.3	-924.1	1,517.7	0.00	0.00	0.00
5,000.0	20.35	217.50	4,728.5	-1,231.9	-945.3	1,552.4	0.00	0.00	0.00
5,100.0	20.35	217.50	4,822.2	-1,259.5	-966.4	1,587.2	0.00	0.00	0.00
5,200.0	20.35	217.50	4,916.0	-1,287.1	-987.6	1,622.0	0.00	0.00	0.00
5,300.0	20.35	217.50	5,009.8	-1,314.7	-1,008.8	1,656.8	0.00	0.00	0.00
5,400.0	20.35	217.50	5,103.5	-1,342.3	-1,029.9	1,691.5	0.00	0.00	0.00
5,500.0	20.35	217.50	5,197.3	-1,369.9	-1,051.1	1,726.3	0.00	0.00	0.00
5,600.0	20.35	217.50	5,291.0	-1,397.5	-1,072.3	1,761.1	0.00	0.00	0.00
5,700.0	20.35	217.50	5,384.8	-1,425.1	-1,093.5	1,795.9	0.00	0.00	0.00
<b>Wasatch G</b>									
5,780.2	20.35	217.50	5,460.0	-1,447.2	-1,110.4	1,823.8	0.00	0.00	0.00
5,800.0	20.35	217.50	5,478.5	-1,452.7	-1,114.6	1,830.6	0.00	0.00	0.00
5,900.0	20.35	217.50	5,572.3	-1,480.3	-1,135.8	1,865.4	0.00	0.00	0.00
6,000.0	20.35	217.50	5,666.1	-1,507.8	-1,157.0	1,900.2	0.00	0.00	0.00
6,100.0	20.35	217.50	5,759.8	-1,535.4	-1,178.2	1,935.0	0.00	0.00	0.00
<b>Fort Union</b>									
6,137.5	20.35	217.50	5,795.0	-1,545.8	-1,186.1	1,948.0	0.00	0.00	0.00
6,200.0	20.35	217.50	5,853.6	-1,563.0	-1,199.3	1,969.7	0.00	0.00	0.00
6,300.0	20.35	217.50	5,947.3	-1,590.6	-1,220.5	2,004.5	0.00	0.00	0.00
6,400.0	20.35	217.50	6,041.1	-1,618.2	-1,241.7	2,039.3	0.00	0.00	0.00
6,500.0	20.35	217.50	6,134.8	-1,645.8	-1,262.8	2,074.1	0.00	0.00	0.00
6,600.0	20.35	217.50	6,228.6	-1,673.4	-1,284.0	2,108.8	0.00	0.00	0.00
6,700.0	20.35	217.50	6,322.3	-1,701.0	-1,305.2	2,143.6	0.00	0.00	0.00
6,800.0	20.35	217.50	6,416.1	-1,728.6	-1,326.4	2,178.4	0.00	0.00	0.00
6,900.0	20.35	217.50	6,509.9	-1,756.2	-1,347.5	2,213.2	0.00	0.00	0.00
7,000.0	20.35	217.50	6,603.6	-1,783.8	-1,368.7	2,247.9	0.00	0.00	0.00
7,100.0	20.35	217.50	6,697.4	-1,811.4	-1,389.9	2,282.7	0.00	0.00	0.00
7,200.0	20.35	217.50	6,791.1	-1,839.0	-1,411.1	2,317.5	0.00	0.00	0.00
7,300.0	20.35	217.50	6,884.9	-1,866.6	-1,432.2	2,352.2	0.00	0.00	0.00
7,400.0	20.35	217.50	6,978.6	-1,894.2	-1,453.4	2,387.0	0.00	0.00	0.00
7,500.0	20.35	217.50	7,072.4	-1,921.8	-1,474.6	2,421.8	0.00	0.00	0.00
<b>Drop 3° / 100'</b>									
7,559.0	20.35	217.50	7,127.7	-1,938.0	-1,487.1	2,442.3	0.00	0.00	0.00
7,600.0	19.12	217.50	7,166.3	-1,949.0	-1,495.5	2,456.2	3.00	-3.00	0.00
7,700.0	16.12	217.50	7,261.6	-1,973.0	-1,513.9	2,486.4	3.00	-3.00	0.00
7,800.0	13.12	217.50	7,358.3	-1,993.1	-1,529.3	2,511.7	3.00	-3.00	0.00
7,900.0	10.12	217.50	7,456.3	-2,009.1	-1,541.6	2,531.8	3.00	-3.00	0.00
8,000.0	7.12	217.50	7,555.1	-2,020.9	-1,550.7	2,546.8	3.00	-3.00	0.00
8,100.0	4.12	217.50	7,654.7	-2,028.7	-1,556.7	2,556.6	3.00	-3.00	0.00
8,200.0	1.12	217.50	7,754.5	-2,032.4	-1,559.4	2,561.2	3.00	-3.00	0.00
<b>EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG</b>									
8,237.5	0.00	0.00	7,792.0	-2,032.6	-1,559.7	2,561.5	3.00	-3.00	0.00
8,300.0	0.94	250.17	7,854.5	-2,032.8	-1,560.1	2,562.0	1.50	1.50	0.00
<b>EOB @ 1.54° Inc. / 250.17° Azm</b>									
8,340.3	1.54	250.17	7,894.9	-2,033.1	-1,561.0	2,562.7	1.50	1.50	0.00
8,400.0	1.54	250.17	7,954.5	-2,033.7	-1,562.5	2,564.1	0.00	0.00	0.00
<b>Williams Fork</b>									
8,482.5	1.54	250.17	8,037.0	-2,034.4	-1,564.6	2,566.0	0.00	0.00	0.00
8,500.0	1.54	250.17	8,054.5	-2,034.6	-1,565.0	2,566.4	0.00	0.00	0.00
8,600.0	1.54	250.17	8,154.4	-2,035.5	-1,567.5	2,568.7	0.00	0.00	0.00
8,700.0	1.54	250.17	8,254.4	-2,036.4	-1,570.1	2,571.0	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 14D-35 496 - Slot BJU G35 FED 14D-35 496
<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 14D-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	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)	
8,800.0	1.54	250.17	8,354.4	-2,037.3	-1,572.6	2,573.3	0.00	0.00	0.00	
8,900.0	1.54	250.17	8,454.3	-2,038.2	-1,575.1	2,575.6	0.00	0.00	0.00	
9,000.0	1.54	250.17	8,554.3	-2,039.1	-1,577.7	2,577.9	0.00	0.00	0.00	
9,100.0	1.54	250.17	8,654.2	-2,040.1	-1,580.2	2,580.2	0.00	0.00	0.00	
9,200.0	1.54	250.17	8,754.2	-2,041.0	-1,582.7	2,582.5	0.00	0.00	0.00	
9,300.0	1.54	250.17	8,854.2	-2,041.9	-1,585.3	2,584.8	0.00	0.00	0.00	
9,400.0	1.54	250.17	8,954.1	-2,042.8	-1,587.8	2,587.0	0.00	0.00	0.00	
9,500.0	1.54	250.17	9,054.1	-2,043.7	-1,590.3	2,589.3	0.00	0.00	0.00	
9,600.0	1.54	250.17	9,154.1	-2,044.6	-1,592.9	2,591.6	0.00	0.00	0.00	
9,700.0	1.54	250.17	9,254.0	-2,045.5	-1,595.4	2,593.9	0.00	0.00	0.00	
9,800.0	1.54	250.17	9,354.0	-2,046.5	-1,597.9	2,596.2	0.00	0.00	0.00	
9,900.0	1.54	250.17	9,454.0	-2,047.4	-1,600.5	2,598.5	0.00	0.00	0.00	
10,000.0	1.54	250.17	9,553.9	-2,048.3	-1,603.0	2,600.8	0.00	0.00	0.00	
10,100.0	1.54	250.17	9,653.9	-2,049.2	-1,605.5	2,603.1	0.00	0.00	0.00	
10,200.0	1.54	250.17	9,753.8	-2,050.1	-1,608.1	2,605.4	0.00	0.00	0.00	
10,300.0	1.54	250.17	9,853.8	-2,051.0	-1,610.6	2,607.7	0.00	0.00	0.00	
10,400.0	1.54	250.17	9,953.8	-2,051.9	-1,613.1	2,610.0	0.00	0.00	0.00	
10,500.0	1.54	250.17	10,053.7	-2,052.8	-1,615.7	2,612.3	0.00	0.00	0.00	
10,600.0	1.54	250.17	10,153.7	-2,053.8	-1,618.2	2,614.6	0.00	0.00	0.00	
10,700.0	1.54	250.17	10,253.7	-2,054.7	-1,620.7	2,616.9	0.00	0.00	0.00	
10,800.0	1.54	250.17	10,353.6	-2,055.6	-1,623.3	2,619.2	0.00	0.00	0.00	
10,900.0	1.54	250.17	10,453.6	-2,056.5	-1,625.8	2,621.5	0.00	0.00	0.00	
11,000.0	1.54	250.17	10,553.6	-2,057.4	-1,628.3	2,623.8	0.00	0.00	0.00	
11,100.0	1.54	250.17	10,653.5	-2,058.3	-1,630.9	2,626.1	0.00	0.00	0.00	
<b>Cameo</b>										
11,190.5	1.54	250.17	10,744.0	-2,059.2	-1,633.2	2,628.2	0.00	0.00	0.00	
11,200.0	1.54	250.17	10,753.5	-2,059.2	-1,633.4	2,628.4	0.00	0.00	0.00	
11,300.0	1.54	250.17	10,853.4	-2,060.2	-1,635.9	2,630.7	0.00	0.00	0.00	
11,400.0	1.54	250.17	10,953.4	-2,061.1	-1,638.5	2,633.0	0.00	0.00	0.00	
11,500.0	1.54	250.17	11,053.4	-2,062.0	-1,641.0	2,635.3	0.00	0.00	0.00	
11,600.0	1.54	250.17	11,153.3	-2,062.9	-1,643.5	2,637.6	0.00	0.00	0.00	
11,700.0	1.54	250.17	11,253.3	-2,063.8	-1,646.1	2,639.9	0.00	0.00	0.00	
<b>Rollins</b>										
11,798.7	1.54	250.17	11,352.0	-2,064.7	-1,648.6	2,642.1	0.00	0.00	0.00	
11,800.0	1.54	250.17	11,353.3	-2,064.7	-1,648.6	2,642.2	0.00	0.00	0.00	
11,900.0	1.54	250.17	11,453.2	-2,065.6	-1,651.1	2,644.5	0.00	0.00	0.00	
<b>TD @ 11998.8' MD / 11552.0' TVD</b>										
11,998.8	1.54	250.17	11,552.0	-2,066.5	-1,653.6	2,646.7	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	
OHCR - BJ G35 14D- - plan hits target center - Point	0.00	0.00	7,792.0	-2,032.6	-1,559.7	14,413,159.38	2,445,603.85	39.654739	-108.139508	
PBHL - BJ G35 14D-: - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,552.0	-2,066.5	-1,653.6	14,413,122.50	2,445,511.00	39.654646	-108.139842	

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 14D-35 496 - Slot BJU G35 FED 14D-35 496
<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 14D-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,580.4	2,460.0	Wasatch				
5,780.2	5,460.0	Wasatch G				
6,137.5	5,795.0	Fort Union				
8,237.5	7,792.0	Ohio Creek				
8,237.5	7,792.0	TOG				
8,482.5	8,037.0	Williams Fork				
11,190.5	10,744.0	Cameo				
11,798.7	11,352.0	Rollins				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
200.0	200.0	0.0	0.0	Build 3° / 100'	
878.5	864.3	-94.6	-72.6	EOB @ 20.35° Inc. / 217.50° Azm	
7,559.0	7,127.7	-1,938.0	-1,487.1	Drop 3° /100'	
8,237.5	7,792.0	-2,032.6	-1,559.7	EOD @ Vertical / Build 1.5° / 100'	
8,340.3	7,894.9	-2,033.1	-1,561.0	EOB @ 1.54° Inc. / 250.17° Azm	
11,998.8	11,552.0	-2,066.5	-1,653.6	TD @ 11998.8' MD / 11552.0' TVD	