

Project: Garfield County, CO
 Site: NPM G35 496 Pad
 Well: BJU G35 FED 12B-35 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.660634
 Longitude: -108.134311
 Ground Level: 8164.0
 RKB @ 8194.0usft (H&P#329)

FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
2537.0	2650.9	Wasatch	
5537.0	5847.4	Wasatch G	
5814.0	6142.6	Fort Union	
7819.0	8249.5	Ohio Creek	
7819.0	8249.5	TOG	
8065.0	8495.6	Williams Fork	
10809.0	11240.6	Cameo	
11407.0	11638.8	Rollins	

REFERENCE INFORMATION

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

8164.0
 +N/-S 0.0 +E/-W 0.0 Northing 14415353.00 Easting 2446998.30 Latitude 39.660634 Longitude BJU G35 FED 12B-35 496

PROJECT DETAILS: Garfield County, CO

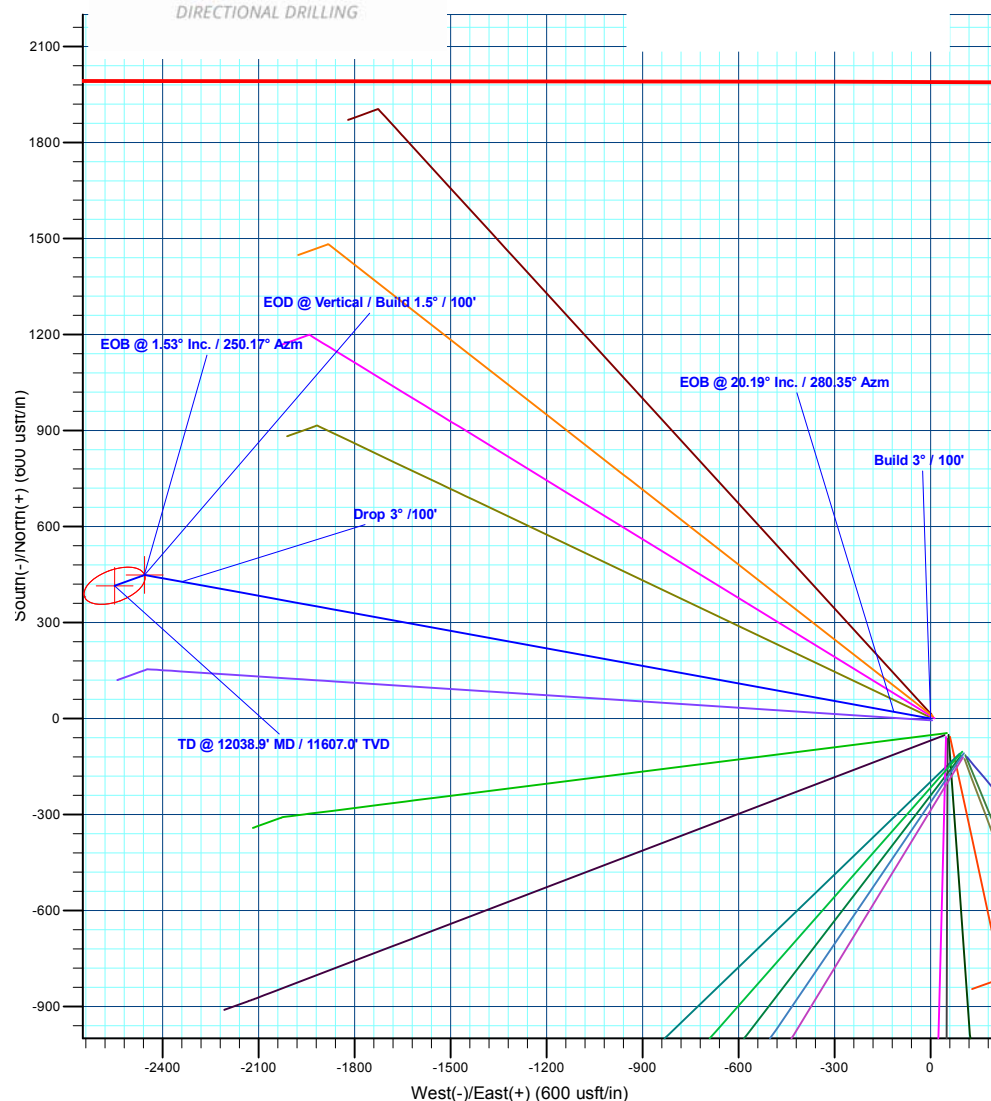
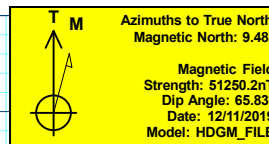
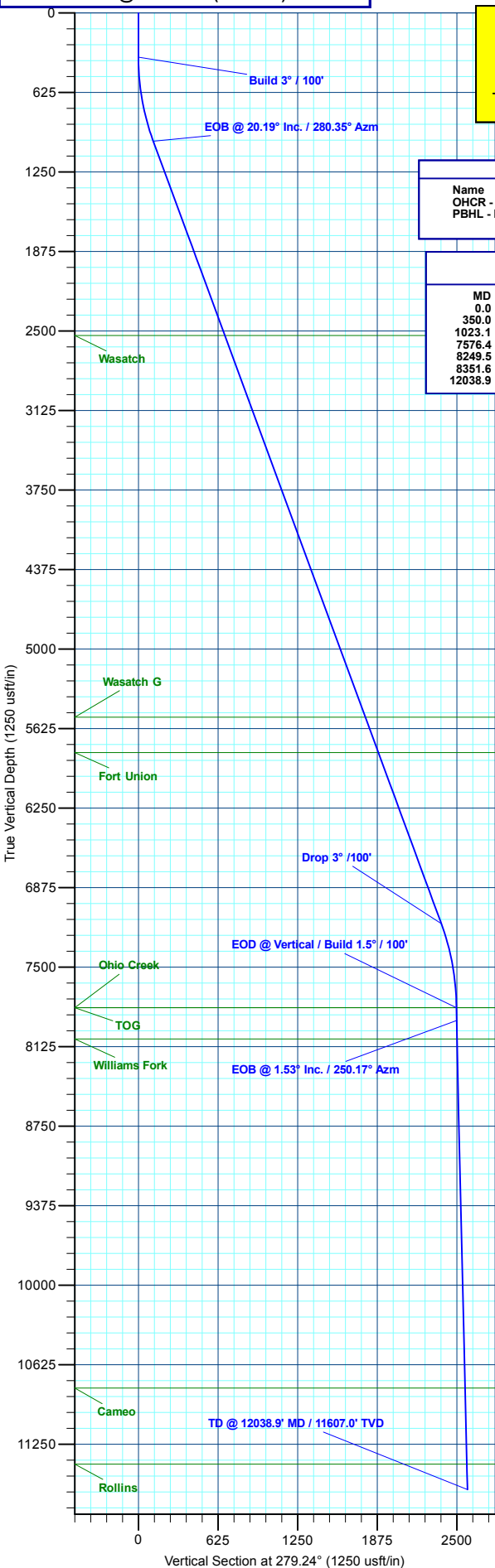
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)
 System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - BJ G35 12B-35 496	7819.0	448.7	-2456.4	14415722.98	2444528.85	39.661865	-108.143033
PBHL - BJ G35 12B-35 496	11607.0	414.8	-2550.4	14415686.10	2444436.00	39.661772	-108.143367

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'
1023.1	20.19	280.35	1009.3	21.1	-115.5	3.00	280.35	117.4	EOB @ 20.19° Inc. / 280.35° Azm
7576.4	20.19	280.35	7159.7	427.6	-2340.9	0.00	0.00	2379.2	Drop 3° / 100'
8249.5	0.00	0.00	7819.0	448.7	-2456.4	3.00	180.00	2496.5	EOD @ Vertical / Build 1.5° / 100'
8351.6	1.53	250.17	7921.1	448.2	-2457.7	1.50	250.17	2497.7	EOB @ 1.53° Inc. / 250.17° Azm
12038.9	1.53	250.17	11607.0	414.8	-2550.4	0.00	0.00	2583.9	TD @ 12038.9' MD / 11607.0' TVD



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

Created By: Will Jircik

Date: 15:50, December 18 2019



Caerus Oil & Gas

Garfield County, CO

NPM G35 496 Pad

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

Wellbore #1

Plan: Design #1

QES Well Planning Report

18 December, 2019



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 12B-35 496 - Slot BJU G35 FED 12B-35 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8194.0usft (H&P#329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8194.0usft (H&P#329)
Site:	NPM G35 496 Pad	North Reference:	True
Well:	BJU G35 FED 12B-35 496	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	NPM G35 496 Pad		
Site Position:		Northing:	14,415,354.00 usft
From:	Map	Easting:	2,447,010.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	39.660635
		Longitude:	-108.134267
		Grid Convergence:	1.83 °

Well	BJU G35 FED 12B-35 496 - Slot BJU G35 FED 12B-35 496		
Well Position	+N/-S	-0.6 usft	Northing: 14,415,353.00 usft
	+E/-W	-12.5 usft	Easting: 2,446,998.30 usft
Position Uncertainty		0.0 usft	Wellhead Elevation:
			Ground Level: 8,164.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/11/2019	9.48	65.83	51,250.20000000

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	279.24

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	
1,023.1	20.19	280.35	1,009.3	21.1	-115.5	3.00	3.00	0.00	280.35	
7,576.4	20.19	280.35	7,159.7	427.6	-2,340.9	0.00	0.00	0.00	0.00	
8,249.5	0.00	0.00	7,819.0	448.7	-2,456.4	3.00	-3.00	0.00	180.00	OHCR - BJ G35 12
8,351.6	1.53	250.17	7,921.1	448.2	-2,457.7	1.50	1.50	-107.58	250.17	
12,038.9	1.53	250.17	11,607.0	414.8	-2,550.4	0.00	0.00	0.00	0.00	PBHL - BJ G35 12I

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 12B-35 496 - Slot BJU G35 FED 12B-35 496
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Project:	Garfield County, CO	MD Reference:	RKB @ 8194.0usft (H&P#329)
Site:	NPM G35 496 Pad	North Reference:	True
Well:	BJU G35 FED 12B-35 496	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
Build 3° / 100'									
350.0	0.00	0.00	350.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	1.50	280.35	400.0	0.1	-0.6	0.7	3.00	3.00	0.00
500.0	4.50	280.35	499.8	1.1	-5.8	5.9	3.00	3.00	0.00
600.0	7.50	280.35	599.3	2.9	-16.1	16.3	3.00	3.00	0.00
700.0	10.50	280.35	698.0	5.7	-31.5	32.0	3.00	3.00	0.00
800.0	13.50	280.35	795.8	9.5	-51.9	52.8	3.00	3.00	0.00
900.0	16.50	280.35	892.4	14.1	-77.4	78.6	3.00	3.00	0.00
1,000.0	19.50	280.35	987.5	19.7	-107.8	109.5	3.00	3.00	0.00
EOB @ 20.19° Inc. / 280.35° Azm									
1,023.1	20.19	280.35	1,009.3	21.1	-115.5	117.4	3.00	3.00	0.00
1,100.0	20.19	280.35	1,081.4	25.9	-141.6	143.9	0.00	0.00	0.00
1,200.0	20.19	280.35	1,175.3	32.1	-175.6	178.4	0.00	0.00	0.00
1,300.0	20.19	280.35	1,269.1	38.3	-209.5	212.9	0.00	0.00	0.00
1,400.0	20.19	280.35	1,363.0	44.5	-243.5	247.4	0.00	0.00	0.00
1,500.0	20.19	280.35	1,456.8	50.7	-277.4	282.0	0.00	0.00	0.00
1,600.0	20.19	280.35	1,550.7	56.9	-311.4	316.5	0.00	0.00	0.00
1,700.0	20.19	280.35	1,644.5	63.1	-345.3	351.0	0.00	0.00	0.00
1,800.0	20.19	280.35	1,738.4	69.3	-379.3	385.5	0.00	0.00	0.00
1,900.0	20.19	280.35	1,832.2	75.5	-413.3	420.0	0.00	0.00	0.00
2,000.0	20.19	280.35	1,926.1	81.7	-447.2	454.5	0.00	0.00	0.00
2,100.0	20.19	280.35	2,020.0	87.9	-481.2	489.0	0.00	0.00	0.00
2,200.0	20.19	280.35	2,113.8	94.1	-515.1	523.6	0.00	0.00	0.00
2,300.0	20.19	280.35	2,207.7	100.3	-549.1	558.1	0.00	0.00	0.00
2,400.0	20.19	280.35	2,301.5	106.5	-583.1	592.6	0.00	0.00	0.00
2,500.0	20.19	280.35	2,395.4	112.7	-617.0	627.1	0.00	0.00	0.00
2,600.0	20.19	280.35	2,489.2	118.9	-651.0	661.6	0.00	0.00	0.00
Wasatch									
2,650.9	20.19	280.35	2,537.0	122.1	-668.3	679.2	0.00	0.00	0.00
2,700.0	20.19	280.35	2,583.1	125.1	-684.9	696.1	0.00	0.00	0.00
2,800.0	20.19	280.35	2,676.9	131.3	-718.9	730.6	0.00	0.00	0.00
2,900.0	20.19	280.35	2,770.8	137.5	-752.8	765.2	0.00	0.00	0.00
3,000.0	20.19	280.35	2,864.6	143.7	-786.8	799.7	0.00	0.00	0.00
3,100.0	20.19	280.35	2,958.5	149.9	-820.8	834.2	0.00	0.00	0.00
3,200.0	20.19	280.35	3,052.3	156.1	-854.7	868.7	0.00	0.00	0.00
3,300.0	20.19	280.35	3,146.2	162.3	-888.7	903.2	0.00	0.00	0.00
3,400.0	20.19	280.35	3,240.0	168.5	-922.6	937.7	0.00	0.00	0.00
3,500.0	20.19	280.35	3,333.9	174.7	-956.6	972.2	0.00	0.00	0.00
3,600.0	20.19	280.35	3,427.7	180.9	-990.6	1,006.8	0.00	0.00	0.00
3,700.0	20.19	280.35	3,521.6	187.1	-1,024.5	1,041.3	0.00	0.00	0.00
3,800.0	20.19	280.35	3,615.5	193.3	-1,058.5	1,075.8	0.00	0.00	0.00
3,900.0	20.19	280.35	3,709.3	199.5	-1,092.4	1,110.3	0.00	0.00	0.00
4,000.0	20.19	280.35	3,803.2	205.7	-1,126.4	1,144.8	0.00	0.00	0.00
4,100.0	20.19	280.35	3,897.0	211.9	-1,160.3	1,179.3	0.00	0.00	0.00
4,200.0	20.19	280.35	3,990.9	218.1	-1,194.3	1,213.8	0.00	0.00	0.00
4,300.0	20.19	280.35	4,084.7	224.3	-1,228.3	1,248.3	0.00	0.00	0.00
4,400.0	20.19	280.35	4,178.6	230.5	-1,262.2	1,282.9	0.00	0.00	0.00
4,500.0	20.19	280.35	4,272.4	236.7	-1,296.2	1,317.4	0.00	0.00	0.00
4,600.0	20.19	280.35	4,366.3	242.9	-1,330.1	1,351.9	0.00	0.00	0.00

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Project:	Garfield County, CO	MD Reference:	RKB @ 8194.0usft (H&P#329)
Site:	NPM G35 496 Pad	North Reference:	True
Well:	BJU G35 FED 12B-35 496	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)
4,700.0	20.19	280.35	4,460.1	249.1	-1,364.1	1,386.4	0.00	0.00	0.00
4,800.0	20.19	280.35	4,554.0	255.4	-1,398.1	1,420.9	0.00	0.00	0.00
4,900.0	20.19	280.35	4,647.8	261.6	-1,432.0	1,455.4	0.00	0.00	0.00
5,000.0	20.19	280.35	4,741.7	267.8	-1,466.0	1,489.9	0.00	0.00	0.00
5,100.0	20.19	280.35	4,835.5	274.0	-1,499.9	1,524.5	0.00	0.00	0.00
5,200.0	20.19	280.35	4,929.4	280.2	-1,533.9	1,559.0	0.00	0.00	0.00
5,300.0	20.19	280.35	5,023.2	286.4	-1,567.9	1,593.5	0.00	0.00	0.00
5,400.0	20.19	280.35	5,117.1	292.6	-1,601.8	1,628.0	0.00	0.00	0.00
5,500.0	20.19	280.35	5,210.9	298.8	-1,635.8	1,662.5	0.00	0.00	0.00
5,600.0	20.19	280.35	5,304.8	305.0	-1,669.7	1,697.0	0.00	0.00	0.00
5,700.0	20.19	280.35	5,398.7	311.2	-1,703.7	1,731.5	0.00	0.00	0.00
5,800.0	20.19	280.35	5,492.5	317.4	-1,737.6	1,766.1	0.00	0.00	0.00
Wasatch G									
5,847.4	20.19	280.35	5,537.0	320.3	-1,753.7	1,782.4	0.00	0.00	0.00
5,900.0	20.19	280.35	5,586.4	323.6	-1,771.6	1,800.6	0.00	0.00	0.00
6,000.0	20.19	280.35	5,680.2	329.8	-1,805.6	1,835.1	0.00	0.00	0.00
6,100.0	20.19	280.35	5,774.1	336.0	-1,839.5	1,869.6	0.00	0.00	0.00
Fort Union									
6,142.6	20.19	280.35	5,814.0	338.6	-1,854.0	1,884.3	0.00	0.00	0.00
6,200.0	20.19	280.35	5,867.9	342.2	-1,873.5	1,904.1	0.00	0.00	0.00
6,300.0	20.19	280.35	5,961.8	348.4	-1,907.4	1,938.6	0.00	0.00	0.00
6,400.0	20.19	280.35	6,055.6	354.6	-1,941.4	1,973.1	0.00	0.00	0.00
6,500.0	20.19	280.35	6,149.5	360.8	-1,975.4	2,007.7	0.00	0.00	0.00
6,600.0	20.19	280.35	6,243.3	367.0	-2,009.3	2,042.2	0.00	0.00	0.00
6,700.0	20.19	280.35	6,337.2	373.2	-2,043.3	2,076.7	0.00	0.00	0.00
6,800.0	20.19	280.35	6,431.0	379.4	-2,077.2	2,111.2	0.00	0.00	0.00
6,900.0	20.19	280.35	6,524.9	385.6	-2,111.2	2,145.7	0.00	0.00	0.00
7,000.0	20.19	280.35	6,618.7	391.8	-2,145.1	2,180.2	0.00	0.00	0.00
7,100.0	20.19	280.35	6,712.6	398.0	-2,179.1	2,214.7	0.00	0.00	0.00
7,200.0	20.19	280.35	6,806.4	404.2	-2,213.1	2,249.2	0.00	0.00	0.00
7,300.0	20.19	280.35	6,900.3	410.4	-2,247.0	2,283.8	0.00	0.00	0.00
7,400.0	20.19	280.35	6,994.2	416.6	-2,281.0	2,318.3	0.00	0.00	0.00
7,500.0	20.19	280.35	7,088.0	422.8	-2,314.9	2,352.8	0.00	0.00	0.00
Drop 3° /100'									
7,576.4	20.19	280.35	7,159.7	427.6	-2,340.9	2,379.2	0.00	0.00	0.00
7,600.0	19.49	280.35	7,181.9	429.0	-2,348.8	2,387.2	3.00	-3.00	0.00
7,700.0	16.49	280.35	7,277.0	434.5	-2,379.1	2,418.0	3.00	-3.00	0.00
7,800.0	13.49	280.35	7,373.6	439.2	-2,404.6	2,443.9	3.00	-3.00	0.00
7,900.0	10.49	280.35	7,471.4	442.9	-2,425.0	2,464.6	3.00	-3.00	0.00
8,000.0	7.49	280.35	7,570.2	445.7	-2,440.4	2,480.3	3.00	-3.00	0.00
8,100.0	4.49	280.35	7,669.6	447.6	-2,450.6	2,490.7	3.00	-3.00	0.00
8,200.0	1.49	280.35	7,769.5	448.5	-2,455.7	2,495.9	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG									
8,249.5	0.00	0.00	7,819.0	448.7	-2,456.4	2,496.5	3.00	-3.00	0.00
8,300.0	0.76	250.17	7,869.5	448.5	-2,456.7	2,496.8	1.50	1.50	0.00
EOB @ 1.53° Inc. / 250.17° Azm									
8,351.6	1.53	250.17	7,921.1	448.2	-2,457.7	2,497.7	1.50	1.50	0.00
8,400.0	1.53	250.17	7,969.4	447.8	-2,458.9	2,498.9	0.00	0.00	0.00
Williams Fork									
8,495.6	1.53	250.17	8,065.0	446.9	-2,461.3	2,501.1	0.00	0.00	0.00
8,500.0	1.53	250.17	8,069.4	446.8	-2,461.4	2,501.2	0.00	0.00	0.00
8,600.0	1.53	250.17	8,169.4	445.9	-2,463.9	2,503.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 12B-35 496 - Slot BJU G35 FED 12B-35 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8194.0usft (H&P#329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8194.0usft (H&P#329)
Site:	NPM G35 496 Pad	North Reference:	True
Well:	BJU G35 FED 12B-35 496	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)
8,700.0	1.53	250.17	8,269.3	445.0	-2,466.4	2,505.9	0.00	0.00	0.00
8,800.0	1.53	250.17	8,369.3	444.1	-2,468.9	2,508.2	0.00	0.00	0.00
8,900.0	1.53	250.17	8,469.2	443.2	-2,471.4	2,510.5	0.00	0.00	0.00
9,000.0	1.53	250.17	8,569.2	442.3	-2,474.0	2,512.9	0.00	0.00	0.00
9,100.0	1.53	250.17	8,669.2	441.4	-2,476.5	2,515.2	0.00	0.00	0.00
9,200.0	1.53	250.17	8,769.1	440.5	-2,479.0	2,517.5	0.00	0.00	0.00
9,300.0	1.53	250.17	8,869.1	439.6	-2,481.5	2,519.9	0.00	0.00	0.00
9,400.0	1.53	250.17	8,969.1	438.7	-2,484.0	2,522.2	0.00	0.00	0.00
9,500.0	1.53	250.17	9,069.0	437.8	-2,486.5	2,524.6	0.00	0.00	0.00
9,600.0	1.53	250.17	9,169.0	436.9	-2,489.0	2,526.9	0.00	0.00	0.00
9,700.0	1.53	250.17	9,269.0	436.0	-2,491.6	2,529.2	0.00	0.00	0.00
9,800.0	1.53	250.17	9,368.9	435.1	-2,494.1	2,531.6	0.00	0.00	0.00
9,900.0	1.53	250.17	9,468.9	434.1	-2,496.6	2,533.9	0.00	0.00	0.00
10,000.0	1.53	250.17	9,568.9	433.2	-2,499.1	2,536.2	0.00	0.00	0.00
10,100.0	1.53	250.17	9,668.8	432.3	-2,501.6	2,538.6	0.00	0.00	0.00
10,200.0	1.53	250.17	9,768.8	431.4	-2,504.1	2,540.9	0.00	0.00	0.00
10,300.0	1.53	250.17	9,868.7	430.5	-2,506.6	2,543.2	0.00	0.00	0.00
10,400.0	1.53	250.17	9,968.7	429.6	-2,509.2	2,545.6	0.00	0.00	0.00
10,500.0	1.53	250.17	10,068.7	428.7	-2,511.7	2,547.9	0.00	0.00	0.00
10,600.0	1.53	250.17	10,168.6	427.8	-2,514.2	2,550.3	0.00	0.00	0.00
10,700.0	1.53	250.17	10,268.6	426.9	-2,516.7	2,552.6	0.00	0.00	0.00
10,800.0	1.53	250.17	10,368.6	426.0	-2,519.2	2,554.9	0.00	0.00	0.00
10,900.0	1.53	250.17	10,468.5	425.1	-2,521.7	2,557.3	0.00	0.00	0.00
11,000.0	1.53	250.17	10,568.5	424.2	-2,524.2	2,559.6	0.00	0.00	0.00
11,100.0	1.53	250.17	10,668.5	423.3	-2,526.8	2,561.9	0.00	0.00	0.00
11,200.0	1.53	250.17	10,768.4	422.4	-2,529.3	2,564.3	0.00	0.00	0.00
Cameo									
11,240.6	1.53	250.17	10,809.0	422.0	-2,530.3	2,565.2	0.00	0.00	0.00
11,300.0	1.53	250.17	10,868.4	421.5	-2,531.8	2,566.6	0.00	0.00	0.00
11,400.0	1.53	250.17	10,968.4	420.5	-2,534.3	2,568.9	0.00	0.00	0.00
11,500.0	1.53	250.17	11,068.3	419.6	-2,536.8	2,571.3	0.00	0.00	0.00
11,600.0	1.53	250.17	11,168.3	418.7	-2,539.3	2,573.6	0.00	0.00	0.00
11,700.0	1.53	250.17	11,268.2	417.8	-2,541.8	2,575.9	0.00	0.00	0.00
11,800.0	1.53	250.17	11,368.2	416.9	-2,544.4	2,578.3	0.00	0.00	0.00
Rollins									
11,838.8	1.53	250.17	11,407.0	416.6	-2,545.3	2,579.2	0.00	0.00	0.00
11,900.0	1.53	250.17	11,468.2	416.0	-2,546.9	2,580.6	0.00	0.00	0.00
12,000.0	1.53	250.17	11,568.1	415.1	-2,549.4	2,583.0	0.00	0.00	0.00
TD @ 12038.9' MD / 11607.0' TVD									
12,038.9	1.53	250.17	11,607.0	414.8	-2,550.4	2,583.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 12B-35 496 - Slot BJU G35 FED 12B-35 496
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8194.0usft (H&P#329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8194.0usft (H&P#329)
Site:	NPM G35 496 Pad	North Reference:	True
Well:	BJU G35 FED 12B-35 496	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
OHCR - BJ G35 12B- - plan hits target center - Point	0.00	0.00	7,819.0	448.7	-2,456.4	14,415,722.98	2,444,528.85	39.661865	-108.143033
PBHL - BJ G35 12B- - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,607.0	414.8	-2,550.4	14,415,686.10	2,444,436.00	39.661772	-108.143367

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,650.9	2,537.0	Wasatch			
5,847.4	5,537.0	Wasatch G			
6,142.6	5,814.0	Fort Union			
8,249.5	7,819.0	Ohio Creek			
8,249.5	7,819.0	TOG			
8,495.6	8,065.0	Williams Fork			
11,240.6	10,809.0	Cameo			
11,838.8	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'
1,023.1	1,009.3	21.1	-115.5	EOB @ 20.19° Inc. / 280.35° Azm
7,576.4	7,159.7	427.6	-2,340.9	Drop 3° / 100'
8,249.5	7,819.0	448.7	-2,456.4	EOD @ Vertical / Build 1.5° / 100'
8,351.6	7,921.1	448.2	-2,457.7	EOB @ 1.53° Inc. / 250.17° Azm
12,038.9	11,607.0	414.8	-2,550.4	TD @ 12038.9' MD / 11607.0' TVD