

Project: Garfield County, CO
 Site: NPM G35 496 Pad
 Well: BJU G35 FED 11B-35 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.660667
 Longitude: -108.134301
 Ground Level: 8164.0
 RKB @ 8194.0usft (H&P#329)

FORMATION TOP DETAILS			
TVDPath	MDPath	Formation	
2598.0	2723.6	Wasatch	
5598.0	5916.3	Wasatch G	
5866.0	6201.5	Fort Union	
7914.0	8352.6	Ohio Creek	
7914.0	8352.6	TOG	
8157.0	8595.6	Williams Fork	
10915.0	11354.6	Cameo	
11522.0	11961.8	Rollins	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU G35 FED 11B-35 496 - Slot BJU G35 FED 11B-35 496, True North
 Vertical (TVD) Reference: RKB @ 8194.0usft (H&P#329)
 Section (VS) Reference: Slot - BJU G35 FED 11B-35 496(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8194.0usft (H&P#329)
 Calculation Method: Minimum Curvature

WELL DETAILS: BJU G35 FED 11B-35 496

8164.0
 +N/-S 0.0 +E/-W 0.0 Northing 14415365.20 Easting 2447000.80 Latitude 39.660667 Longitude -108.134301

PROJECT DETAILS: Garfield County, CO

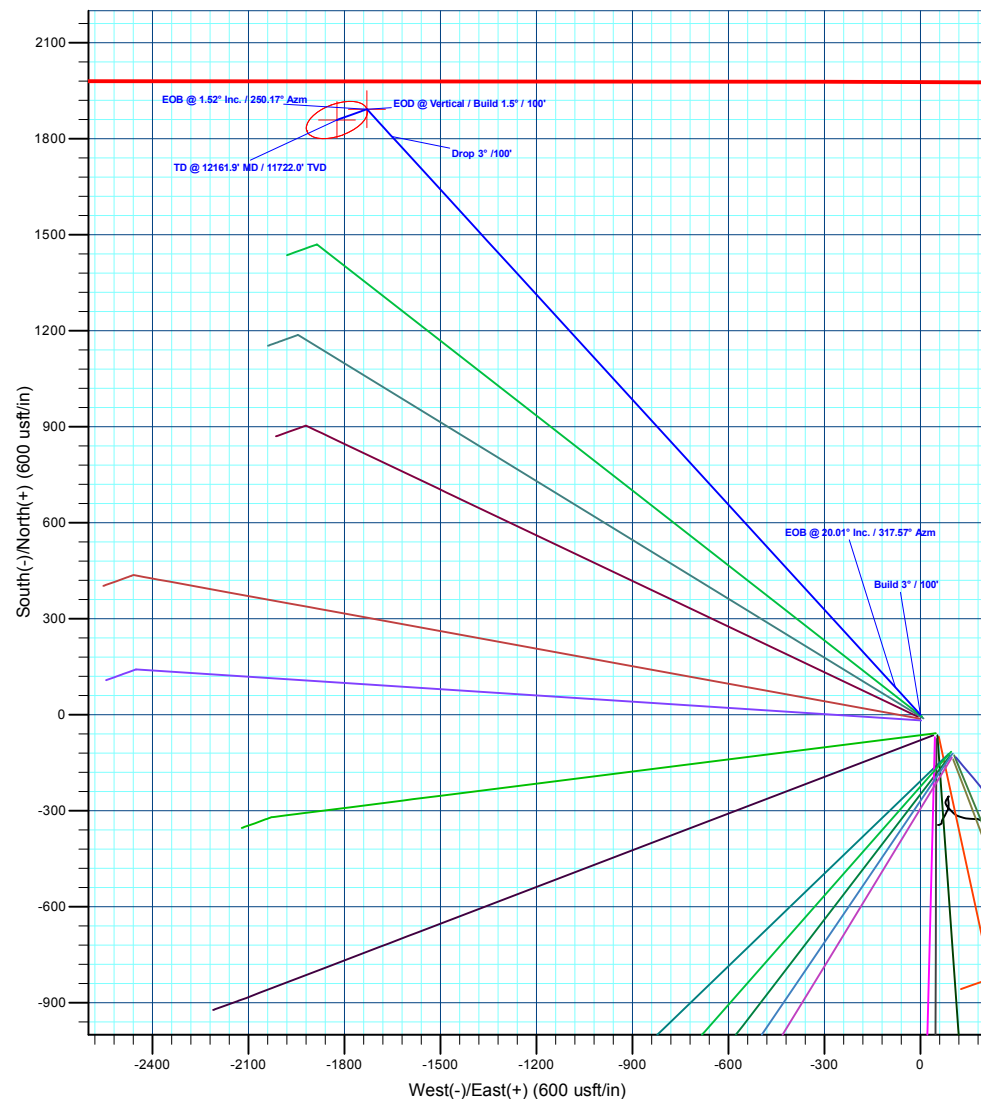
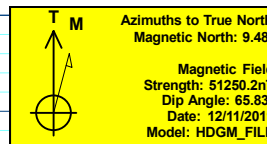
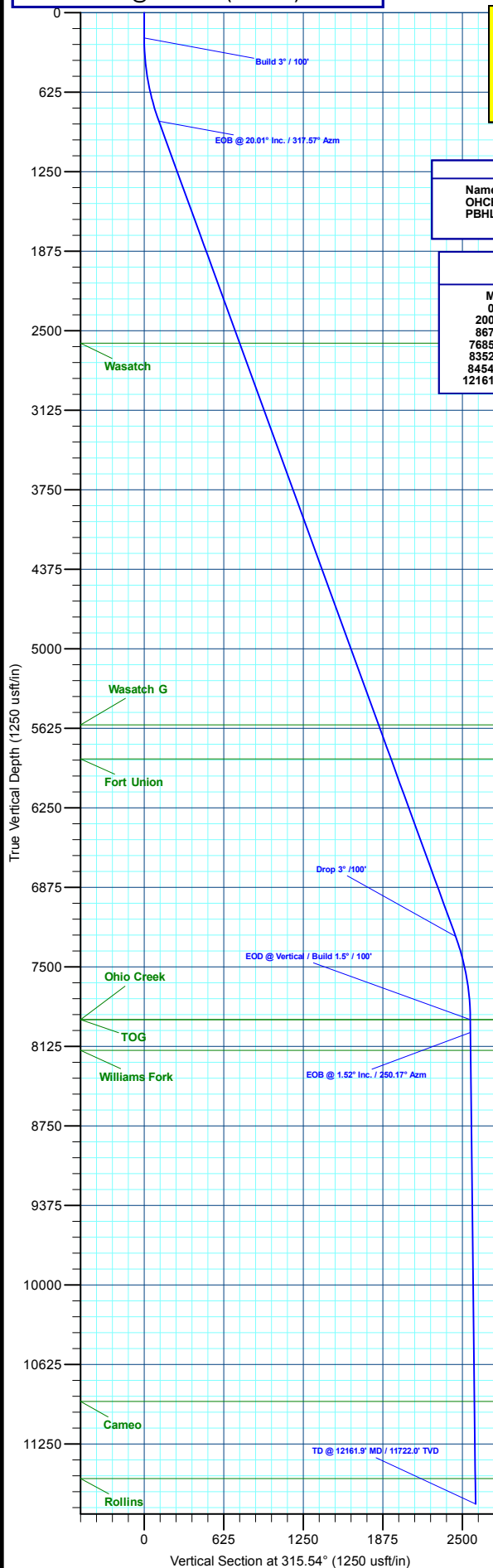
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 - Western US
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)
 System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - BJ G35 11B-35 496	7914.0	1892.5	-1729.6	14417201.48	2445211.65	39.665860	-108.140442
PBHL - BJ G35 11B-35 496	11722.0	1858.6	-1823.6	14417164.60	2445118.80	39.665767	-108.140776

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
867.0	20.01	317.57	853.5	85.1	-77.8	3.00	317.57	115.2	EOB @ 20.01° Inc. / 317.57° Azm
7685.6	20.01	317.57	7260.5	1807.4	-1651.8	0.00	0.00	2447.0	Drop 3° / 100'
8352.6	0.00	0.00	7914.0	1892.5	-1729.6	3.00	180.00	2562.2	EOB @ Vertical / Build 1.5° / 100'
8454.1	1.52	250.17	8015.5	1892.0	-1730.9	1.50	250.17	2562.7	EOB @ 1.52° Inc. / 250.17° Azm
12161.9	1.52	250.17	11722.0	1858.6	-1823.6	0.00	0.00	2603.8	TD @ 12161.9' MD / 11722.0' TVD



Plan: Design #1 (BJU G35 FED 11B-35 496/Wellbore #1)

Created By: Will Jircik

Date: 14:18, December 18 2019



Caerus Oil & Gas

Garfield County, CO

NPM G35 496 Pad

BJU G35 FED 11B-35 496 - Slot BJU G35 FED 11B-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 11B-35 496 - Slot BJU G35 FED 11B-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 11B-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 11B-35 496 - Slot BJU G35 FED 11B-35 496		
Well Position	+N/-S	11.5 usft	Northing: 14,415,365.20 usft
	+E/-W	-9.6 usft	Easting: 2,447,000.80 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	Latitude: 39.660667
			Longitude: -108.134301
			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	315.54	

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		
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00		
867.0	20.01	317.57	853.5	85.1	-77.8	3.00	3.00	0.00	317.57		
7,685.6	20.01	317.57	7,260.5	1,807.4	-1,651.8	0.00	0.00	0.00	0.00		
8,352.6	0.00	0.00	7,914.0	1,892.5	-1,729.6	3.00	-3.00	0.00	180.00	OHCR - BJ G35 11	
8,454.1	1.52	250.17	8,015.5	1,892.0	-1,730.9	1.50	1.50	-108.16	250.17		
12,161.9	1.52	250.17	11,722.0	1,858.6	-1,823.6	0.00	0.00	0.00	0.00	PBHL - BJ G35 11f	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11B-35 496 - Slot BJU G35 FED 11B-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 11B-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
Build 3° / 100'									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	3.00	317.57	300.0	1.9	-1.8	2.6	3.00	3.00	0.00
400.0	6.00	317.57	399.6	7.7	-7.1	10.5	3.00	3.00	0.00
500.0	9.00	317.57	498.8	17.4	-15.9	23.5	3.00	3.00	0.00
600.0	12.00	317.57	597.1	30.8	-28.2	41.7	3.00	3.00	0.00
700.0	15.00	317.57	694.3	48.0	-43.9	65.0	3.00	3.00	0.00
800.0	18.00	317.57	790.2	69.0	-63.1	93.4	3.00	3.00	0.00
EOB @ 20.01° Inc. / 317.57° Azm									
867.0	20.01	317.57	853.5	85.1	-77.8	115.2	3.00	3.00	0.00
900.0	20.01	317.57	884.5	93.4	-85.4	126.5	0.00	0.00	0.00
1,000.0	20.01	317.57	978.5	118.7	-108.5	160.7	0.00	0.00	0.00
1,100.0	20.01	317.57	1,072.5	144.0	-131.6	194.9	0.00	0.00	0.00
1,200.0	20.01	317.57	1,166.4	169.2	-154.7	229.1	0.00	0.00	0.00
1,300.0	20.01	317.57	1,260.4	194.5	-177.7	263.3	0.00	0.00	0.00
1,400.0	20.01	317.57	1,354.3	219.7	-200.8	297.5	0.00	0.00	0.00
1,500.0	20.01	317.57	1,448.3	245.0	-223.9	331.7	0.00	0.00	0.00
1,600.0	20.01	317.57	1,542.3	270.2	-247.0	365.9	0.00	0.00	0.00
1,700.0	20.01	317.57	1,636.2	295.5	-270.1	400.1	0.00	0.00	0.00
1,800.0	20.01	317.57	1,730.2	320.8	-293.2	434.3	0.00	0.00	0.00
1,900.0	20.01	317.57	1,824.2	346.0	-316.2	468.5	0.00	0.00	0.00
2,000.0	20.01	317.57	1,918.1	371.3	-339.3	502.7	0.00	0.00	0.00
2,100.0	20.01	317.57	2,012.1	396.5	-362.4	536.9	0.00	0.00	0.00
2,200.0	20.01	317.57	2,106.1	421.8	-385.5	571.1	0.00	0.00	0.00
2,300.0	20.01	317.57	2,200.0	447.1	-408.6	605.3	0.00	0.00	0.00
2,400.0	20.01	317.57	2,294.0	472.3	-431.7	639.5	0.00	0.00	0.00
2,500.0	20.01	317.57	2,387.9	497.6	-454.8	673.7	0.00	0.00	0.00
2,600.0	20.01	317.57	2,481.9	522.8	-477.8	707.9	0.00	0.00	0.00
2,700.0	20.01	317.57	2,575.9	548.1	-500.9	742.0	0.00	0.00	0.00
Wasatch									
2,723.6	20.01	317.57	2,598.0	554.0	-506.4	750.1	0.00	0.00	0.00
2,800.0	20.01	317.57	2,669.8	573.4	-524.0	776.2	0.00	0.00	0.00
2,900.0	20.01	317.57	2,763.8	598.6	-547.1	810.4	0.00	0.00	0.00
3,000.0	20.01	317.57	2,857.8	623.9	-570.2	844.6	0.00	0.00	0.00
3,100.0	20.01	317.57	2,951.7	649.1	-593.3	878.8	0.00	0.00	0.00
3,200.0	20.01	317.57	3,045.7	674.4	-616.3	913.0	0.00	0.00	0.00
3,300.0	20.01	317.57	3,139.7	699.6	-639.4	947.2	0.00	0.00	0.00
3,400.0	20.01	317.57	3,233.6	724.9	-662.5	981.4	0.00	0.00	0.00
3,500.0	20.01	317.57	3,327.6	750.2	-685.6	1,015.6	0.00	0.00	0.00
3,600.0	20.01	317.57	3,421.5	775.4	-708.7	1,049.8	0.00	0.00	0.00
3,700.0	20.01	317.57	3,515.5	800.7	-731.8	1,084.0	0.00	0.00	0.00
3,800.0	20.01	317.57	3,609.5	825.9	-754.9	1,118.2	0.00	0.00	0.00
3,900.0	20.01	317.57	3,703.4	851.2	-777.9	1,152.4	0.00	0.00	0.00
4,000.0	20.01	317.57	3,797.4	876.5	-801.0	1,186.6	0.00	0.00	0.00
4,100.0	20.01	317.57	3,891.4	901.7	-824.1	1,220.8	0.00	0.00	0.00
4,200.0	20.01	317.57	3,985.3	927.0	-847.2	1,255.0	0.00	0.00	0.00
4,300.0	20.01	317.57	4,079.3	952.2	-870.3	1,289.2	0.00	0.00	0.00
4,400.0	20.01	317.57	4,173.2	977.5	-893.4	1,323.4	0.00	0.00	0.00
4,500.0	20.01	317.57	4,267.2	1,002.7	-916.4	1,357.6	0.00	0.00	0.00
4,600.0	20.01	317.57	4,361.2	1,028.0	-939.5	1,391.8	0.00	0.00	0.00
4,700.0	20.01	317.57	4,455.1	1,053.3	-962.6	1,426.0	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 11B-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)
4,800.0	20.01	317.57	4,549.1	1,078.5	-985.7	1,460.2	0.00	0.00	0.00
4,900.0	20.01	317.57	4,643.1	1,103.8	-1,008.8	1,494.4	0.00	0.00	0.00
5,000.0	20.01	317.57	4,737.0	1,129.0	-1,031.9	1,528.6	0.00	0.00	0.00
5,100.0	20.01	317.57	4,831.0	1,154.3	-1,054.9	1,562.8	0.00	0.00	0.00
5,200.0	20.01	317.57	4,925.0	1,179.6	-1,078.0	1,597.0	0.00	0.00	0.00
5,300.0	20.01	317.57	5,018.9	1,204.8	-1,101.1	1,631.2	0.00	0.00	0.00
5,400.0	20.01	317.57	5,112.9	1,230.1	-1,124.2	1,665.4	0.00	0.00	0.00
5,500.0	20.01	317.57	5,206.8	1,255.3	-1,147.3	1,699.6	0.00	0.00	0.00
5,600.0	20.01	317.57	5,300.8	1,280.6	-1,170.4	1,733.8	0.00	0.00	0.00
5,700.0	20.01	317.57	5,394.8	1,305.8	-1,193.5	1,768.0	0.00	0.00	0.00
5,800.0	20.01	317.57	5,488.7	1,331.1	-1,216.5	1,802.1	0.00	0.00	0.00
5,900.0	20.01	317.57	5,582.7	1,356.4	-1,239.6	1,836.3	0.00	0.00	0.00
Wasatch G									
5,916.3	20.01	317.57	5,598.0	1,360.5	-1,243.4	1,841.9	0.00	0.00	0.00
6,000.0	20.01	317.57	5,676.7	1,381.6	-1,262.7	1,870.5	0.00	0.00	0.00
6,100.0	20.01	317.57	5,770.6	1,406.9	-1,285.8	1,904.7	0.00	0.00	0.00
6,200.0	20.01	317.57	5,864.6	1,432.1	-1,308.9	1,938.9	0.00	0.00	0.00
Fort Union									
6,201.5	20.01	317.57	5,866.0	1,432.5	-1,309.2	1,939.5	0.00	0.00	0.00
6,300.0	20.01	317.57	5,958.6	1,457.4	-1,332.0	1,973.1	0.00	0.00	0.00
6,400.0	20.01	317.57	6,052.5	1,482.7	-1,355.0	2,007.3	0.00	0.00	0.00
6,500.0	20.01	317.57	6,146.5	1,507.9	-1,378.1	2,041.5	0.00	0.00	0.00
6,600.0	20.01	317.57	6,240.4	1,533.2	-1,401.2	2,075.7	0.00	0.00	0.00
6,700.0	20.01	317.57	6,334.4	1,558.4	-1,424.3	2,109.9	0.00	0.00	0.00
6,800.0	20.01	317.57	6,428.4	1,583.7	-1,447.4	2,144.1	0.00	0.00	0.00
6,900.0	20.01	317.57	6,522.3	1,609.0	-1,470.5	2,178.3	0.00	0.00	0.00
7,000.0	20.01	317.57	6,616.3	1,634.2	-1,493.6	2,212.5	0.00	0.00	0.00
7,100.0	20.01	317.57	6,710.3	1,659.5	-1,516.6	2,246.7	0.00	0.00	0.00
7,200.0	20.01	317.57	6,804.2	1,684.7	-1,539.7	2,280.9	0.00	0.00	0.00
7,300.0	20.01	317.57	6,898.2	1,710.0	-1,562.8	2,315.1	0.00	0.00	0.00
7,400.0	20.01	317.57	6,992.1	1,735.2	-1,585.9	2,349.3	0.00	0.00	0.00
7,500.0	20.01	317.57	7,086.1	1,760.5	-1,609.0	2,383.5	0.00	0.00	0.00
7,600.0	20.01	317.57	7,180.1	1,785.8	-1,632.1	2,417.7	0.00	0.00	0.00
Drop 3° /100'									
7,685.6	20.01	317.57	7,260.5	1,807.4	-1,651.8	2,447.0	0.00	0.00	0.00
7,700.0	19.58	317.57	7,274.1	1,811.0	-1,655.1	2,451.8	3.00	-3.00	0.00
7,800.0	16.58	317.57	7,369.1	1,833.9	-1,676.0	2,482.8	3.00	-3.00	0.00
7,900.0	13.58	317.57	7,465.7	1,853.1	-1,693.6	2,508.8	3.00	-3.00	0.00
8,000.0	10.58	317.57	7,563.4	1,868.5	-1,707.7	2,529.7	3.00	-3.00	0.00
8,100.0	7.58	317.57	7,662.2	1,880.2	-1,718.3	2,545.5	3.00	-3.00	0.00
8,200.0	4.58	317.57	7,761.6	1,888.0	-1,725.5	2,556.1	3.00	-3.00	0.00
8,300.0	1.58	317.57	7,861.4	1,891.9	-1,729.1	2,561.5	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG									
8,352.6	0.00	0.00	7,914.0	1,892.5	-1,729.6	2,562.2	3.00	-3.00	0.00
8,400.0	0.71	250.17	7,961.4	1,892.4	-1,729.9	2,562.3	1.50	1.50	0.00
EOB @ 1.52° Inc. / 250.17° Azm									
8,454.1	1.52	250.17	8,015.5	1,892.0	-1,730.9	2,562.7	1.50	1.50	0.00
8,500.0	1.52	250.17	8,061.4	1,891.6	-1,732.0	2,563.2	0.00	0.00	0.00
Williams Fork									
8,595.6	1.52	250.17	8,157.0	1,890.7	-1,734.4	2,564.3	0.00	0.00	0.00
8,600.0	1.52	250.17	8,161.4	1,890.7	-1,734.5	2,564.4	0.00	0.00	0.00
8,700.0	1.52	250.17	8,261.3	1,889.8	-1,737.0	2,565.5	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11B-35 496 - Slot BJU G35 FED 11B-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 11B-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)
8,800.0	1.52	250.17	8,361.3	1,888.9	-1,739.5	2,566.6	0.00	0.00	0.00
8,900.0	1.52	250.17	8,461.3	1,888.0	-1,742.0	2,567.7	0.00	0.00	0.00
9,000.0	1.52	250.17	8,561.2	1,887.1	-1,744.5	2,568.8	0.00	0.00	0.00
9,100.0	1.52	250.17	8,661.2	1,886.2	-1,747.0	2,569.9	0.00	0.00	0.00
9,200.0	1.52	250.17	8,761.2	1,885.3	-1,749.5	2,571.0	0.00	0.00	0.00
9,300.0	1.52	250.17	8,861.1	1,884.4	-1,752.0	2,572.1	0.00	0.00	0.00
9,400.0	1.52	250.17	8,961.1	1,883.5	-1,754.5	2,573.2	0.00	0.00	0.00
9,500.0	1.52	250.17	9,061.1	1,882.6	-1,757.0	2,574.3	0.00	0.00	0.00
9,600.0	1.52	250.17	9,161.0	1,881.7	-1,759.5	2,575.4	0.00	0.00	0.00
9,700.0	1.52	250.17	9,261.0	1,880.8	-1,762.0	2,576.5	0.00	0.00	0.00
9,800.0	1.52	250.17	9,360.9	1,879.9	-1,764.5	2,577.6	0.00	0.00	0.00
9,900.0	1.52	250.17	9,460.9	1,879.0	-1,767.0	2,578.7	0.00	0.00	0.00
10,000.0	1.52	250.17	9,560.9	1,878.1	-1,769.5	2,579.9	0.00	0.00	0.00
10,100.0	1.52	250.17	9,660.8	1,877.2	-1,772.0	2,581.0	0.00	0.00	0.00
10,200.0	1.52	250.17	9,760.8	1,876.3	-1,774.5	2,582.1	0.00	0.00	0.00
10,300.0	1.52	250.17	9,860.8	1,875.4	-1,777.0	2,583.2	0.00	0.00	0.00
10,400.0	1.52	250.17	9,960.7	1,874.5	-1,779.5	2,584.3	0.00	0.00	0.00
10,500.0	1.52	250.17	10,060.7	1,873.6	-1,782.0	2,585.4	0.00	0.00	0.00
10,600.0	1.52	250.17	10,160.7	1,872.7	-1,784.5	2,586.5	0.00	0.00	0.00
10,700.0	1.52	250.17	10,260.6	1,871.8	-1,787.0	2,587.6	0.00	0.00	0.00
10,800.0	1.52	250.17	10,360.6	1,870.9	-1,789.5	2,588.7	0.00	0.00	0.00
10,900.0	1.52	250.17	10,460.6	1,870.0	-1,792.0	2,589.8	0.00	0.00	0.00
11,000.0	1.52	250.17	10,560.5	1,869.1	-1,794.5	2,590.9	0.00	0.00	0.00
11,100.0	1.52	250.17	10,660.5	1,868.2	-1,797.0	2,592.0	0.00	0.00	0.00
11,200.0	1.52	250.17	10,760.5	1,867.3	-1,799.5	2,593.1	0.00	0.00	0.00
11,300.0	1.52	250.17	10,860.4	1,866.4	-1,802.0	2,594.3	0.00	0.00	0.00
Cameo									
11,354.6	1.52	250.17	10,915.0	1,865.9	-1,803.4	2,594.9	0.00	0.00	0.00
11,400.0	1.52	250.17	10,960.4	1,865.5	-1,804.5	2,595.4	0.00	0.00	0.00
11,500.0	1.52	250.17	11,060.3	1,864.6	-1,807.0	2,596.5	0.00	0.00	0.00
11,600.0	1.52	250.17	11,160.3	1,863.7	-1,809.5	2,597.6	0.00	0.00	0.00
11,700.0	1.52	250.17	11,260.3	1,862.7	-1,812.0	2,598.7	0.00	0.00	0.00
11,800.0	1.52	250.17	11,360.2	1,861.8	-1,814.5	2,599.8	0.00	0.00	0.00
11,900.0	1.52	250.17	11,460.2	1,860.9	-1,817.0	2,600.9	0.00	0.00	0.00
Rollins									
11,961.8	1.52	250.17	11,522.0	1,860.4	-1,818.6	2,601.6	0.00	0.00	0.00
12,000.0	1.52	250.17	11,560.2	1,860.0	-1,819.5	2,602.0	0.00	0.00	0.00
12,100.0	1.52	250.17	11,660.1	1,859.1	-1,822.0	2,603.1	0.00	0.00	0.00
TD @ 12161.9' MD / 11722.0' TVD									
12,161.9	1.52	250.17	11,722.0	1,858.6	-1,823.6	2,603.8	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11B-35 496 - Slot BJU G35 FED 11B-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 11B-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 11B- - plan hits target center - Point	0.00	0.00	7,914.0	1,892.5	-1,729.6	14,417,201.48	2,445,211.65	39.665861	-108.140443
PBHL - BJ G35 11B- - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,722.0	1,858.6	-1,823.6	14,417,164.60	2,445,118.80	39.665767	-108.140776

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,723.6	2,598.0	Wasatch			
5,916.3	5,598.0	Wasatch G			
6,201.5	5,866.0	Fort Union			
8,352.6	7,914.0	Ohio Creek			
8,352.6	7,914.0	TOG			
8,595.6	8,157.0	Williams Fork			
11,354.6	10,915.0	Cameo			
11,961.8	11,522.0	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'
867.0	853.5	85.1	-77.8	EOB @ 20.01° Inc. / 317.57° Azm
7,685.6	7,260.5	1,807.4	-1,651.8	Drop 3° / 100'
8,352.6	7,914.0	1,892.5	-1,729.6	EOD @ Vertical / Build 1.5° / 100'
8,454.1	8,015.5	1,892.0	-1,730.9	EOB @ 1.52° Inc. / 250.17° Azm
12,161.9	11,722.0	1,858.6	-1,823.6	TD @ 12161.9' MD / 11722.0' TVD