

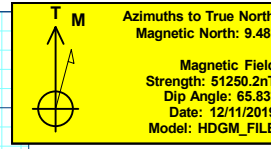
Project: Garfield County, CO
 Site: NPM G35 496 Pad
 Well: BJU G35 FED 11D-35 496
 Wellbore: Wellbore #1
 Design: Design #1
 Latitude: 39.660635
 Longitude: -108.134267
 Ground Level: 8164.0
 RKB @ 8194.0usft (H&P#329)

FORMATION TOP DETAILS		
TVDPATH	MDPATH	FORMATION
2572.0	2667.3	Wasatch
5572.0	5832.1	Wasatch G
5841.0	6115.9	Fort Union
7873.0	8236.9	Ohio Creek
7873.0	8236.9	TOG
8117.0	8481.0	Williams Fork
10869.0	11234.0	Cameo
11471.0	11836.2	Rollins

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

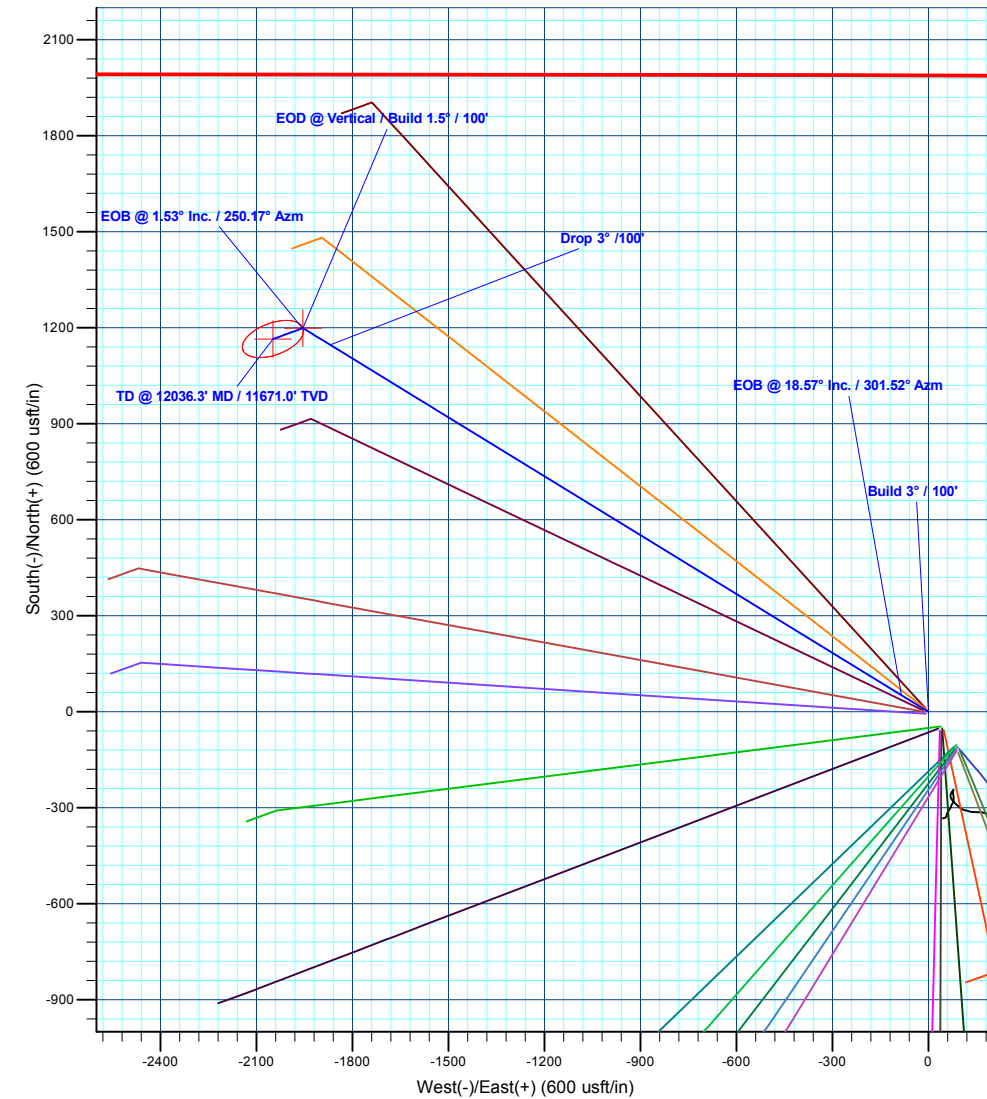
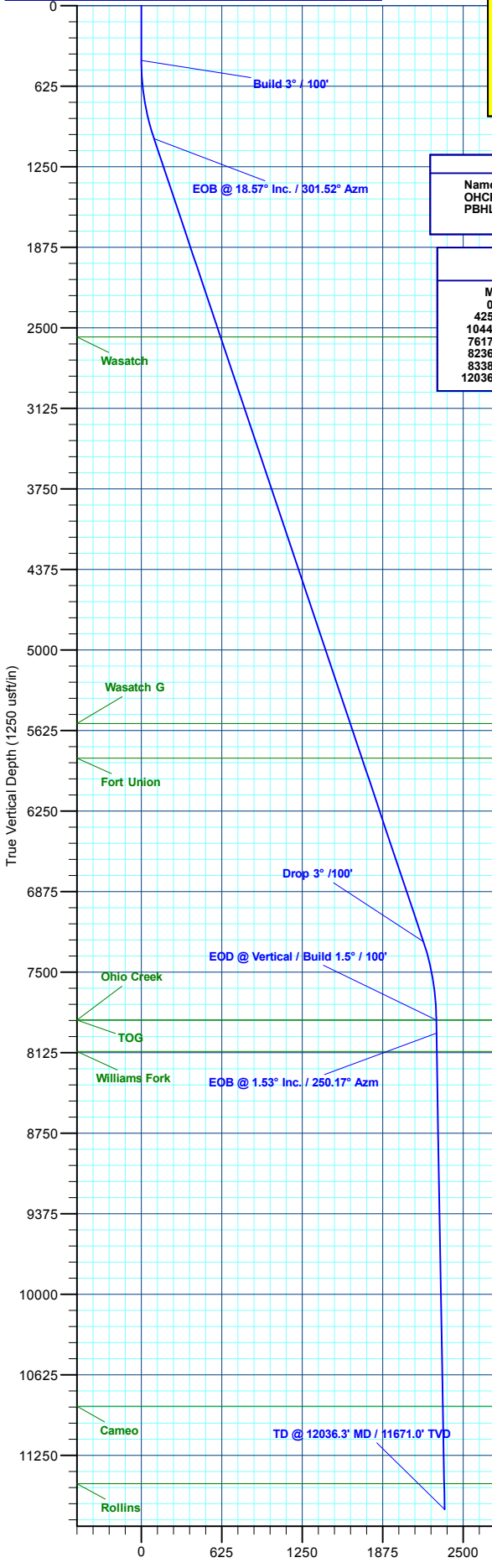
WELL DETAILS: BJU G35 FED 11D-35 496					
			8164.0		
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14415354.00	2447010.80	39.660635	-108.134267

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 11D-35 496	7873.0	1198.6	-1954.5	14416489.58	2445019.05	39.663925	-108.141207
PBHL - BJ G35 11D-35 496	11671.0	1164.7	-2048.4	14416452.70	2444926.20	39.663832	-108.141540

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'	
425.0	0.00	0.00	425.0	0.0	0.0	0.00	0.00	0.0	EOB @ 18.57° Inc. / 301.52° Azm	
1044.1	18.57	301.52	1033.3	52.0	-84.8	3.00	301.52	99.4	Drop 3° / 100'	
7617.8	18.57	301.52	7264.7	1146.6	-1869.7	0.00	0.00	2192.1	EOD @ Vertical / Build 1.5° / 100'	
8236.9	0.00	0.00	7873.0	1198.6	-1954.5	3.00	180.00	2291.5	EOB @ 1.53° Inc. / 250.17° Azm	
8338.8	1.53	250.17	7974.8	1198.1	-1955.7	1.50	250.17	2292.4	EOB @ 1.53° Inc. / 250.17° Azm	
12036.3	1.53	250.17	11671.0	1164.7	-2048.4	0.00	0.00	2356.4	TD @ 12036.3' MD / 11671.0' TVD	



Plan: Design #1 (BJU G35 FED 11D-35 496/Wellbore #1)
 Created By: Will Jircik Date: 15:39, December 18 2019



Caerus Oil & Gas

Garfield County, CO

NPM G35 496 Pad

BJU G35 FED 11D-35 496 - Slot BJU G35 FED 11D-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 11D-35 496 - Slot BJU G35 FED 11D-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 11D-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	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 G35 FED 11D-35 496 - Slot BJU G35 FED 11D-35 496					
Well Position	+N/-S	0.0 usft	Northing:	14,415,354.00 usft	Latitude:	39.660635
	+E/-W	0.0 usft	Easting:	2,447,010.80 usft	Longitude:	-108.134267
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	299.62

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		
425.0	0.00	0.00	425.0	0.0	0.0	0.00	0.00	0.00	0.00		
1,044.1	18.57	301.52	1,033.3	52.0	-84.8	3.00	3.00	0.00	301.52		
7,617.8	18.57	301.52	7,264.7	1,146.6	-1,869.7	0.00	0.00	0.00	0.00		
8,236.9	0.00	0.00	7,873.0	1,198.6	-1,954.5	3.00	-3.00	0.00	180.00	OHCR - BJ G35 11	
8,338.8	1.53	250.17	7,974.8	1,198.1	-1,955.7	1.50	1.50	-107.87	250.17		
12,036.3	1.53	250.17	11,671.0	1,164.7	-2,048.4	0.00	0.00	0.00	0.00	PBHL - BJ G35 11I	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11D-35 496 - Slot BJU G35 FED 11D-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 11D-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
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
Build 3° / 100'									
425.0	0.00	0.00	425.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	2.25	301.52	500.0	0.8	-1.3	1.5	3.00	3.00	0.00
600.0	5.25	301.52	599.8	4.2	-6.8	8.0	3.00	3.00	0.00
700.0	8.25	301.52	699.1	10.3	-16.8	19.8	3.00	3.00	0.00
800.0	11.25	301.52	797.6	19.2	-31.3	36.7	3.00	3.00	0.00
900.0	14.25	301.52	895.1	30.7	-50.1	58.7	3.00	3.00	0.00
1,000.0	17.25	301.52	991.4	44.9	-73.2	85.9	3.00	3.00	0.00
EOB @ 18.57° Inc. / 301.52° Azm									
1,044.1	18.57	301.52	1,033.3	52.0	-84.8	99.4	3.00	3.00	0.00
1,100.0	18.57	301.52	1,086.3	61.3	-100.0	117.2	0.00	0.00	0.00
1,200.0	18.57	301.52	1,181.1	78.0	-127.1	149.0	0.00	0.00	0.00
1,300.0	18.57	301.52	1,275.9	94.6	-154.3	180.9	0.00	0.00	0.00
1,400.0	18.57	301.52	1,370.7	111.3	-181.4	212.7	0.00	0.00	0.00
1,500.0	18.57	301.52	1,465.5	127.9	-208.6	244.5	0.00	0.00	0.00
1,600.0	18.57	301.52	1,560.3	144.6	-235.7	276.4	0.00	0.00	0.00
1,700.0	18.57	301.52	1,655.1	161.2	-262.9	308.2	0.00	0.00	0.00
1,800.0	18.57	301.52	1,749.8	177.9	-290.0	340.0	0.00	0.00	0.00
1,900.0	18.57	301.52	1,844.6	194.5	-317.2	371.9	0.00	0.00	0.00
2,000.0	18.57	301.52	1,939.4	211.2	-344.3	403.7	0.00	0.00	0.00
2,100.0	18.57	301.52	2,034.2	227.8	-371.5	435.5	0.00	0.00	0.00
2,200.0	18.57	301.52	2,129.0	244.5	-398.6	467.4	0.00	0.00	0.00
2,300.0	18.57	301.52	2,223.8	261.1	-425.8	499.2	0.00	0.00	0.00
2,400.0	18.57	301.52	2,318.6	277.8	-452.9	531.0	0.00	0.00	0.00
2,500.0	18.57	301.52	2,413.4	294.4	-480.1	562.9	0.00	0.00	0.00
2,600.0	18.57	301.52	2,508.2	311.1	-507.2	594.7	0.00	0.00	0.00
Wasatch									
2,667.3	18.57	301.52	2,572.0	322.3	-525.5	616.1	0.00	0.00	0.00
2,700.0	18.57	301.52	2,603.0	327.7	-534.4	626.5	0.00	0.00	0.00
2,800.0	18.57	301.52	2,697.8	344.4	-561.6	658.4	0.00	0.00	0.00
2,900.0	18.57	301.52	2,792.6	361.0	-588.7	690.2	0.00	0.00	0.00
3,000.0	18.57	301.52	2,887.4	377.7	-615.9	722.0	0.00	0.00	0.00
3,100.0	18.57	301.52	2,982.1	394.3	-643.0	753.9	0.00	0.00	0.00
3,200.0	18.57	301.52	3,076.9	411.0	-670.2	785.7	0.00	0.00	0.00
3,300.0	18.57	301.52	3,171.7	427.6	-697.3	817.5	0.00	0.00	0.00
3,400.0	18.57	301.52	3,266.5	444.3	-724.5	849.4	0.00	0.00	0.00
3,500.0	18.57	301.52	3,361.3	460.9	-751.6	881.2	0.00	0.00	0.00
3,600.0	18.57	301.52	3,456.1	477.6	-778.8	913.0	0.00	0.00	0.00
3,700.0	18.57	301.52	3,550.9	494.2	-805.9	944.9	0.00	0.00	0.00
3,800.0	18.57	301.52	3,645.7	510.9	-833.1	976.7	0.00	0.00	0.00
3,900.0	18.57	301.52	3,740.5	527.5	-860.2	1,008.5	0.00	0.00	0.00
4,000.0	18.57	301.52	3,835.3	544.2	-887.4	1,040.4	0.00	0.00	0.00
4,100.0	18.57	301.52	3,930.1	560.8	-914.5	1,072.2	0.00	0.00	0.00
4,200.0	18.57	301.52	4,024.9	577.5	-941.7	1,104.0	0.00	0.00	0.00
4,300.0	18.57	301.52	4,119.6	594.1	-968.8	1,135.9	0.00	0.00	0.00
4,400.0	18.57	301.52	4,214.4	610.8	-996.0	1,167.7	0.00	0.00	0.00
4,500.0	18.57	301.52	4,309.2	627.4	-1,023.1	1,199.5	0.00	0.00	0.00
4,600.0	18.57	301.52	4,404.0	644.1	-1,050.3	1,231.4	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11D-35 496 - Slot BJU G35 FED 11D-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 11D-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	18.57	301.52	4,498.8	660.8	-1,077.4	1,263.2	0.00	0.00	0.00
4,800.0	18.57	301.52	4,593.6	677.4	-1,104.6	1,295.0	0.00	0.00	0.00
4,900.0	18.57	301.52	4,688.4	694.1	-1,131.7	1,326.9	0.00	0.00	0.00
5,000.0	18.57	301.52	4,783.2	710.7	-1,158.9	1,358.7	0.00	0.00	0.00
5,100.0	18.57	301.52	4,878.0	727.4	-1,186.0	1,390.5	0.00	0.00	0.00
5,200.0	18.57	301.52	4,972.8	744.0	-1,213.2	1,422.4	0.00	0.00	0.00
5,300.0	18.57	301.52	5,067.6	760.7	-1,240.3	1,454.2	0.00	0.00	0.00
5,400.0	18.57	301.52	5,162.4	777.3	-1,267.5	1,486.0	0.00	0.00	0.00
5,500.0	18.57	301.52	5,257.2	794.0	-1,294.6	1,517.9	0.00	0.00	0.00
5,600.0	18.57	301.52	5,351.9	810.6	-1,321.8	1,549.7	0.00	0.00	0.00
5,700.0	18.57	301.52	5,446.7	827.3	-1,349.0	1,581.5	0.00	0.00	0.00
5,800.0	18.57	301.52	5,541.5	843.9	-1,376.1	1,613.4	0.00	0.00	0.00
Wasatch G									
5,832.1	18.57	301.52	5,572.0	849.3	-1,384.8	1,623.6	0.00	0.00	0.00
5,900.0	18.57	301.52	5,636.3	860.6	-1,403.3	1,645.2	0.00	0.00	0.00
6,000.0	18.57	301.52	5,731.1	877.2	-1,430.4	1,677.0	0.00	0.00	0.00
6,100.0	18.57	301.52	5,825.9	893.9	-1,457.6	1,708.9	0.00	0.00	0.00
Fort Union									
6,115.9	18.57	301.52	5,841.0	896.5	-1,461.9	1,714.0	0.00	0.00	0.00
6,200.0	18.57	301.52	5,920.7	910.5	-1,484.7	1,740.7	0.00	0.00	0.00
6,300.0	18.57	301.52	6,015.5	927.2	-1,511.9	1,772.5	0.00	0.00	0.00
6,400.0	18.57	301.52	6,110.3	943.8	-1,539.0	1,804.4	0.00	0.00	0.00
6,500.0	18.57	301.52	6,205.1	960.5	-1,566.2	1,836.2	0.00	0.00	0.00
6,600.0	18.57	301.52	6,299.9	977.1	-1,593.3	1,868.0	0.00	0.00	0.00
6,700.0	18.57	301.52	6,394.7	993.8	-1,620.5	1,899.9	0.00	0.00	0.00
6,800.0	18.57	301.52	6,489.4	1,010.4	-1,647.6	1,931.7	0.00	0.00	0.00
6,900.0	18.57	301.52	6,584.2	1,027.1	-1,674.8	1,963.5	0.00	0.00	0.00
7,000.0	18.57	301.52	6,679.0	1,043.7	-1,701.9	1,995.4	0.00	0.00	0.00
7,100.0	18.57	301.52	6,773.8	1,060.4	-1,729.1	2,027.2	0.00	0.00	0.00
7,200.0	18.57	301.52	6,868.6	1,077.0	-1,756.2	2,059.0	0.00	0.00	0.00
7,300.0	18.57	301.52	6,963.4	1,093.7	-1,783.4	2,090.9	0.00	0.00	0.00
7,400.0	18.57	301.52	7,058.2	1,110.3	-1,810.5	2,122.7	0.00	0.00	0.00
7,500.0	18.57	301.52	7,153.0	1,127.0	-1,837.7	2,154.5	0.00	0.00	0.00
7,600.0	18.57	301.52	7,247.8	1,143.6	-1,864.8	2,186.4	0.00	0.00	0.00
Drop 3° /100'									
7,617.8	18.57	301.52	7,264.7	1,146.6	-1,869.7	2,192.1	0.00	0.00	0.00
7,700.0	16.11	301.52	7,343.1	1,159.4	-1,890.6	2,216.5	3.00	-3.00	0.00
7,800.0	13.11	301.52	7,439.9	1,172.6	-1,912.0	2,241.7	3.00	-3.00	0.00
7,900.0	10.11	301.52	7,537.8	1,183.1	-1,929.2	2,261.8	3.00	-3.00	0.00
8,000.0	7.11	301.52	7,636.7	1,190.9	-1,942.0	2,276.8	3.00	-3.00	0.00
8,100.0	4.11	301.52	7,736.2	1,196.0	-1,950.3	2,286.6	3.00	-3.00	0.00
8,200.0	1.11	301.52	7,836.1	1,198.4	-1,954.2	2,291.1	3.00	-3.00	0.00
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG									
8,236.9	0.00	0.00	7,873.0	1,198.6	-1,954.5	2,291.5	3.00	-3.00	0.00
8,300.0	0.95	250.17	7,936.1	1,198.4	-1,955.0	2,291.8	1.50	1.50	0.00
EOB @ 1.53° Inc. / 250.17° Azm									
8,338.8	1.53	250.17	7,974.8	1,198.1	-1,955.7	2,292.4	1.50	1.50	0.00
8,400.0	1.53	250.17	8,036.0	1,197.6	-1,957.3	2,293.4	0.00	0.00	0.00
Williams Fork									
8,481.0	1.53	250.17	8,117.0	1,196.9	-1,959.3	2,294.8	0.00	0.00	0.00
8,500.0	1.53	250.17	8,136.0	1,196.7	-1,959.8	2,295.1	0.00	0.00	0.00
8,600.0	1.53	250.17	8,236.0	1,195.8	-1,962.3	2,296.9	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11D-35 496 - Slot BJU G35 FED 11D-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 11D-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	8,335.9	1,194.9	-1,964.8	2,298.6	0.00	0.00	0.00	
8,800.0	1.53	250.17	8,435.9	1,194.0	-1,967.3	2,300.3	0.00	0.00	0.00	
8,900.0	1.53	250.17	8,535.9	1,193.1	-1,969.8	2,302.1	0.00	0.00	0.00	
9,000.0	1.53	250.17	8,635.8	1,192.2	-1,972.3	2,303.8	0.00	0.00	0.00	
9,100.0	1.53	250.17	8,735.8	1,191.3	-1,974.8	2,305.5	0.00	0.00	0.00	
9,200.0	1.53	250.17	8,835.7	1,190.4	-1,977.3	2,307.3	0.00	0.00	0.00	
9,300.0	1.53	250.17	8,935.7	1,189.5	-1,979.8	2,309.0	0.00	0.00	0.00	
9,400.0	1.53	250.17	9,035.7	1,188.6	-1,982.4	2,310.7	0.00	0.00	0.00	
9,500.0	1.53	250.17	9,135.6	1,187.6	-1,984.9	2,312.5	0.00	0.00	0.00	
9,600.0	1.53	250.17	9,235.6	1,186.7	-1,987.4	2,314.2	0.00	0.00	0.00	
9,700.0	1.53	250.17	9,335.6	1,185.8	-1,989.9	2,315.9	0.00	0.00	0.00	
9,800.0	1.53	250.17	9,435.5	1,184.9	-1,992.4	2,317.7	0.00	0.00	0.00	
9,900.0	1.53	250.17	9,535.5	1,184.0	-1,994.9	2,319.4	0.00	0.00	0.00	
10,000.0	1.53	250.17	9,635.5	1,183.1	-1,997.4	2,321.1	0.00	0.00	0.00	
10,100.0	1.53	250.17	9,735.4	1,182.2	-1,999.9	2,322.9	0.00	0.00	0.00	
10,200.0	1.53	250.17	9,835.4	1,181.3	-2,002.4	2,324.6	0.00	0.00	0.00	
10,300.0	1.53	250.17	9,935.4	1,180.4	-2,004.9	2,326.3	0.00	0.00	0.00	
10,400.0	1.53	250.17	10,035.3	1,179.5	-2,007.4	2,328.1	0.00	0.00	0.00	
10,500.0	1.53	250.17	10,135.3	1,178.6	-2,009.9	2,329.8	0.00	0.00	0.00	
10,600.0	1.53	250.17	10,235.3	1,177.7	-2,012.4	2,331.5	0.00	0.00	0.00	
10,700.0	1.53	250.17	10,335.2	1,176.8	-2,014.9	2,333.3	0.00	0.00	0.00	
10,800.0	1.53	250.17	10,435.2	1,175.9	-2,017.5	2,335.0	0.00	0.00	0.00	
10,900.0	1.53	250.17	10,535.1	1,175.0	-2,020.0	2,336.7	0.00	0.00	0.00	
11,000.0	1.53	250.17	10,635.1	1,174.1	-2,022.5	2,338.5	0.00	0.00	0.00	
11,100.0	1.53	250.17	10,735.1	1,173.2	-2,025.0	2,340.2	0.00	0.00	0.00	
11,200.0	1.53	250.17	10,835.0	1,172.3	-2,027.5	2,341.9	0.00	0.00	0.00	
Cameo										
11,234.0	1.53	250.17	10,869.0	1,172.0	-2,028.3	2,342.5	0.00	0.00	0.00	
11,300.0	1.53	250.17	10,935.0	1,171.4	-2,030.0	2,343.7	0.00	0.00	0.00	
11,400.0	1.53	250.17	11,035.0	1,170.5	-2,032.5	2,345.4	0.00	0.00	0.00	
11,500.0	1.53	250.17	11,134.9	1,169.6	-2,035.0	2,347.1	0.00	0.00	0.00	
11,600.0	1.53	250.17	11,234.9	1,168.7	-2,037.5	2,348.9	0.00	0.00	0.00	
11,700.0	1.53	250.17	11,334.9	1,167.8	-2,040.0	2,350.6	0.00	0.00	0.00	
11,800.0	1.53	250.17	11,434.8	1,166.8	-2,042.5	2,352.3	0.00	0.00	0.00	
Rollins										
11,836.2	1.53	250.17	11,471.0	1,166.5	-2,043.4	2,353.0	0.00	0.00	0.00	
11,900.0	1.53	250.17	11,534.8	1,165.9	-2,045.0	2,354.1	0.00	0.00	0.00	
12,000.0	1.53	250.17	11,634.8	1,165.0	-2,047.5	2,355.8	0.00	0.00	0.00	
TD @ 12036.3' MD / 11671.0' TVD										
12,036.3	1.53	250.17	11,671.0	1,164.7	-2,048.4	2,356.4	0.00	0.00	0.00	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU G35 FED 11D-35 496 - Slot BJU G35 FED 11D-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 11D-35 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

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 11D- - plan hits target center - Point	0.00	0.00	7,873.0	1,198.6	-1,954.5	14,416,489.58	2,445,019.05	39.663925	-108.141207	
PBHL - BJ G35 11D- - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,671.0	1,164.7	-2,048.4	14,416,452.70	2,444,926.20	39.663832	-108.141540	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,667.3	2,572.0	Wasatch				
5,832.1	5,572.0	Wasatch G				
6,115.9	5,841.0	Fort Union				
8,236.9	7,873.0	Ohio Creek				
8,236.9	7,873.0	TOG				
8,481.0	8,117.0	Williams Fork				
11,234.0	10,869.0	Cameo				
11,836.2	11,471.0	Rollins				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment	
425.0	425.0	0.0	0.0	Build 3° / 100'	
1,044.1	1,033.3	52.0	-84.8	EOB @ 18.57° Inc. / 301.52° Azm	
7,617.8	7,264.7	1,146.6	-1,869.7	Drop 3° / 100'	
8,236.9	7,873.0	1,198.6	-1,954.5	EOD @ Vertical / Build 1.5° / 100'	
8,338.8	7,974.8	1,198.1	-1,955.7	EOB @ 1.53° Inc. / 250.17° Azm	
12,036.3	11,671.0	1,164.7	-2,048.4	TD @ 12036.3' MD / 11671.0' TVD	