

Project: Garfield County, CO  
 Site: NPM G35 496 Pad  
 Well: BJU G35 FED 15B-35 496  
 Wellbore: Wellbore #1  
 Design: Design #2  
 Latitude: 39.660335  
 Longitude: -108.133944  
 Ground Level: 8164.0  
 RKB @ 8194.0usft (H&P#329)

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
2440.0	2586.9	Wasatch
5440.0	5894.8	Wasatch G
5796.0	6287.3	Fort Union
7784.0	8422.7	Ohio Creek
7784.0	8422.7	TOG
8024.0	8662.8	Williams Fork
10723.0	11362.8	Cameo
11338.0	11978.0	Rollins

#### REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU G35 FED 15B-35 496 - Slot 15B-35, True North  
 Vertical (TVD) Reference: RKB @ 8194.0usft (H&P#329)  
 Section (VS) Reference: Slot - 15B-35(0.0N, 0.0E)  
 Measured Depth Reference: RKB @ 8194.0usft (H&P#329)  
 Calculation Method: Minimum Curvature

#### WELL DETAILS: BJU G35 FED 15B-35 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14415247.40	2447105.30	39.660335	-108.133944

#### PROJECT DETAILS: Garfield County, CO

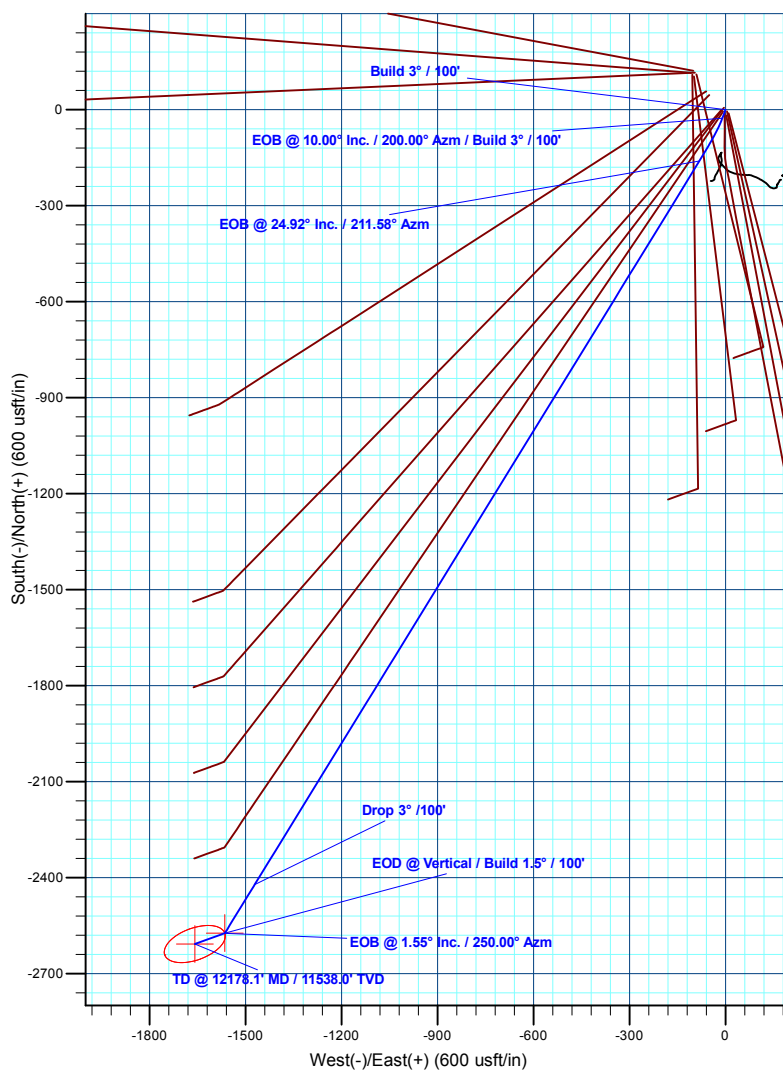
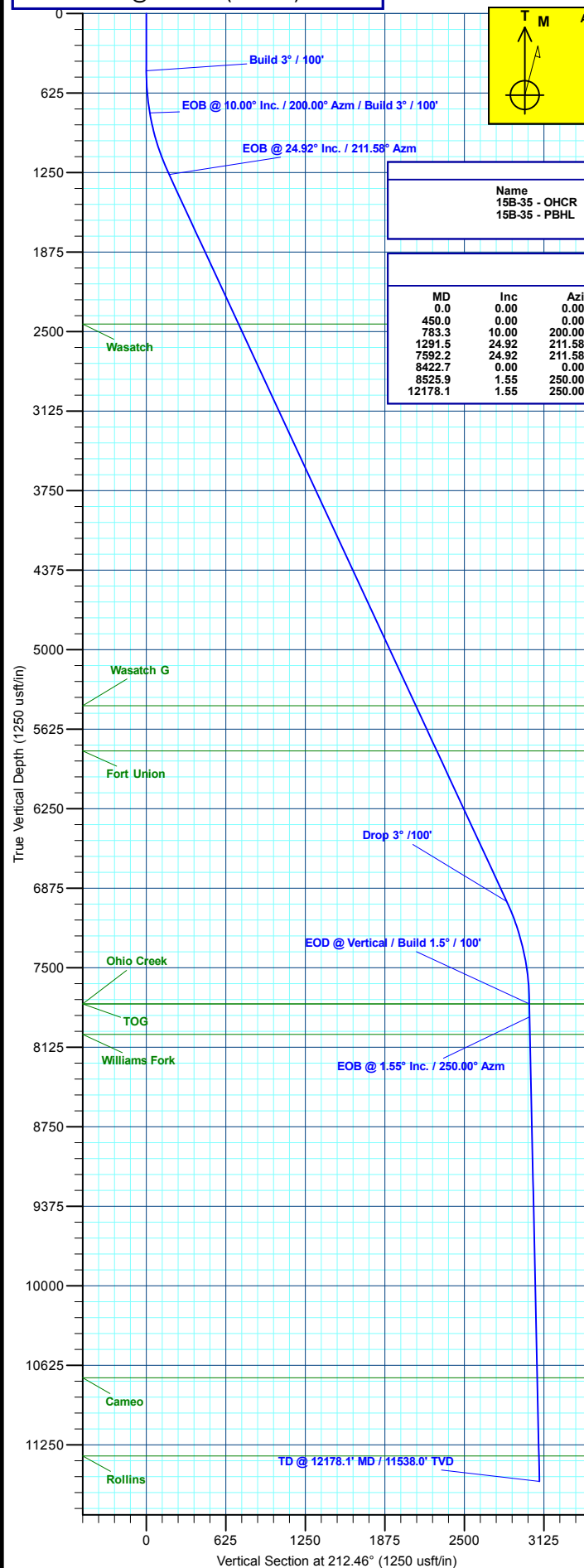
Geodetic System: Universal Transverse Mercator (US Survey Feet)  
 Datum: NAD 1927 - Western US  
 Ellipsoid: Clarke 1866  
 Zone: Zone 12N (114 W to 108 W)  
 System Datum: Mean Sea Level

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
15B-35 - OHCR	7784.0	-2573.6	-1564.6	14412625.19	2445623.73	39.653272	-108.139498
15B-35 - PBHL	11538.0	-2607.8	-1658.5	14412588.00	2445530.90	39.653178	-108.139832

#### 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'
450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.0	EOB @ 10.00° Inc. / 200.00° Azm / Build 3° / 100'
783.3	10.00	200.00	781.6	-27.3	-9.9	3.00	200.00	28.3	EOB @ 24.92° Inc. / 211.58° Azm
1291.5	24.92	211.58	1265.1	-160.7	-81.5	3.00	18.76	179.3	Drop 3° / 100'
7592.2	24.92	211.58	6979.4	-2422.1	-1471.5	0.00	0.00	2833.5	EOD @ Vertical / Build 1.5° / 100'
8422.7	0.00	0.00	7784.0	-2573.6	-1564.6	3.00	180.00	3011.2	EOB @ 1.55° Inc. / 250.00° Azm
8525.9	1.55	250.00	7887.1	-2574.0	-1565.9	1.50	250.00	3012.3	TD @ 12178.1' MD / 11538.0' TVD
12178.1	1.55	250.00	11538.0	-2607.8	-1658.5	0.00	0.00	3090.5	



Plan: Design #2 (BJU G35 FED 15B-35 496/Wellbore #1)

Created By: Will Jircik Date: 13:13, June 07 2021



## **Caerus Oil & Gas**

**Garfield County, CO**

**NPM G35 496 Pad**

**BJU G35 FED 15B-35 496 - Slot 15B-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 15B-35 496 - Slot 15B-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 15B-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 15B-35 496 - Slot 15B-35					
Well Position	+N/-S	-121.1 usft	Northing:	14,415,247.40 usft	Latitude:	39.660335
	+E/-W	100.7 usft	Easting:	2,447,105.30 usft	Longitude:	-108.133944
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	212.46	

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	
450.0	0.00	0.00	450.0	0.0	0.0	0.00	0.00	0.00	0.00	
783.3	10.00	200.00	781.6	-27.3	-9.9	3.00	3.00	0.00	200.00	
1,291.5	24.92	211.58	1,265.1	-160.7	-81.5	3.00	2.94	2.28	18.76	
7,592.2	24.92	211.58	6,979.4	-2,422.1	-1,471.5	0.00	0.00	0.00	0.00	
8,422.7	0.00	0.00	7,784.0	-2,573.6	-1,564.6	3.00	-3.00	0.00	180.00	15B-35 - OHCR
8,525.9	1.55	250.00	7,887.1	-2,574.0	-1,565.9	1.50	1.50	-106.65	250.00	
12,178.1	1.55	250.00	11,538.0	-2,607.8	-1,658.5	0.00	0.00	0.00	0.00	15B-35 - PBHL

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well BJU G35 FED 15B-35 496 - Slot 15B-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 15B-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
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
<b>Build 3° / 100'</b>									
450.0	0.00	0.00	450.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	1.50	200.00	500.0	-0.6	-0.2	0.6	3.00	3.00	0.00
600.0	4.50	200.00	599.8	-5.5	-2.0	5.7	3.00	3.00	0.00
700.0	7.50	200.00	699.3	-15.4	-5.6	16.0	3.00	3.00	0.00
<b>EOB @ 10.00° Inc. / 200.00° Azm / Build 3° / 100'</b>									
783.3	10.00	200.00	781.6	-27.3	-9.9	28.3	3.00	3.00	0.00
800.0	10.47	200.88	798.0	-30.0	-11.0	31.2	3.00	2.85	5.31
900.0	13.36	204.87	895.9	-49.0	-19.1	51.6	3.00	2.89	3.99
1,000.0	16.29	207.46	992.5	-72.0	-30.4	77.0	3.00	2.93	2.58
1,100.0	19.24	209.27	1,087.8	-98.8	-44.9	107.4	3.00	2.95	1.81
1,200.0	22.20	210.61	1,181.3	-129.4	-62.6	142.8	3.00	2.96	1.35
<b>EOB @ 24.92° Inc. / 211.58° Azm</b>									
1,291.5	24.92	211.58	1,265.1	-160.7	-81.5	179.3	3.00	2.97	1.05
1,300.0	24.92	211.58	1,272.9	-163.8	-83.4	182.9	0.00	0.00	0.00
1,400.0	24.92	211.58	1,363.6	-199.7	-105.4	225.0	0.00	0.00	0.00
1,500.0	24.92	211.58	1,454.2	-235.5	-127.5	267.2	0.00	0.00	0.00
1,600.0	24.92	211.58	1,544.9	-271.4	-149.6	309.3	0.00	0.00	0.00
1,700.0	24.92	211.58	1,635.6	-307.3	-171.6	351.4	0.00	0.00	0.00
1,800.0	24.92	211.58	1,726.3	-343.2	-193.7	393.5	0.00	0.00	0.00
1,900.0	24.92	211.58	1,817.0	-379.1	-215.7	435.7	0.00	0.00	0.00
2,000.0	24.92	211.58	1,907.7	-415.0	-237.8	477.8	0.00	0.00	0.00
2,100.0	24.92	211.58	1,998.4	-450.9	-259.9	519.9	0.00	0.00	0.00
2,200.0	24.92	211.58	2,089.1	-486.8	-281.9	562.0	0.00	0.00	0.00
2,300.0	24.92	211.58	2,179.8	-522.7	-304.0	604.2	0.00	0.00	0.00
2,400.0	24.92	211.58	2,270.5	-558.6	-326.0	646.3	0.00	0.00	0.00
2,500.0	24.92	211.58	2,361.2	-594.5	-348.1	688.4	0.00	0.00	0.00
<b>Wasatch</b>									
2,586.9	24.92	211.58	2,440.0	-625.7	-367.3	725.0	0.00	0.00	0.00
2,600.0	24.92	211.58	2,451.9	-630.4	-370.2	730.5	0.00	0.00	0.00
2,700.0	24.92	211.58	2,542.6	-666.2	-392.2	772.7	0.00	0.00	0.00
2,800.0	24.92	211.58	2,633.3	-702.1	-414.3	814.8	0.00	0.00	0.00
2,900.0	24.92	211.58	2,723.9	-738.0	-436.3	856.9	0.00	0.00	0.00
3,000.0	24.92	211.58	2,814.6	-773.9	-458.4	899.0	0.00	0.00	0.00
3,100.0	24.92	211.58	2,905.3	-809.8	-480.5	941.2	0.00	0.00	0.00
3,200.0	24.92	211.58	2,996.0	-845.7	-502.5	983.3	0.00	0.00	0.00
3,300.0	24.92	211.58	3,086.7	-881.6	-524.6	1,025.4	0.00	0.00	0.00
3,400.0	24.92	211.58	3,177.4	-917.5	-546.6	1,067.5	0.00	0.00	0.00
3,500.0	24.92	211.58	3,268.1	-953.4	-568.7	1,109.7	0.00	0.00	0.00
3,600.0	24.92	211.58	3,358.8	-989.3	-590.8	1,151.8	0.00	0.00	0.00
3,700.0	24.92	211.58	3,449.5	-1,025.2	-612.8	1,193.9	0.00	0.00	0.00
3,800.0	24.92	211.58	3,540.2	-1,061.0	-634.9	1,236.0	0.00	0.00	0.00
3,900.0	24.92	211.58	3,630.9	-1,096.9	-657.0	1,278.2	0.00	0.00	0.00
4,000.0	24.92	211.58	3,721.6	-1,132.8	-679.0	1,320.3	0.00	0.00	0.00
4,100.0	24.92	211.58	3,812.3	-1,168.7	-701.1	1,362.4	0.00	0.00	0.00
4,200.0	24.92	211.58	3,902.9	-1,204.6	-723.1	1,404.5	0.00	0.00	0.00
4,300.0	24.92	211.58	3,993.6	-1,240.5	-745.2	1,446.7	0.00	0.00	0.00
4,400.0	24.92	211.58	4,084.3	-1,276.4	-767.3	1,488.8	0.00	0.00	0.00
4,500.0	24.92	211.58	4,175.0	-1,312.3	-789.3	1,530.9	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 15B-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)
4,600.0	24.92	211.58	4,265.7	-1,348.2	-811.4	1,573.0	0.00	0.00	0.00
4,700.0	24.92	211.58	4,356.4	-1,384.1	-833.4	1,615.2	0.00	0.00	0.00
4,800.0	24.92	211.58	4,447.1	-1,420.0	-855.5	1,657.3	0.00	0.00	0.00
4,900.0	24.92	211.58	4,537.8	-1,455.9	-877.6	1,699.4	0.00	0.00	0.00
5,000.0	24.92	211.58	4,628.5	-1,491.7	-899.6	1,741.5	0.00	0.00	0.00
5,100.0	24.92	211.58	4,719.2	-1,527.6	-921.7	1,783.6	0.00	0.00	0.00
5,200.0	24.92	211.58	4,809.9	-1,563.5	-943.7	1,825.8	0.00	0.00	0.00
5,300.0	24.92	211.58	4,900.6	-1,599.4	-965.8	1,867.9	0.00	0.00	0.00
5,400.0	24.92	211.58	4,991.3	-1,635.3	-987.9	1,910.0	0.00	0.00	0.00
5,500.0	24.92	211.58	5,081.9	-1,671.2	-1,009.9	1,952.1	0.00	0.00	0.00
5,600.0	24.92	211.58	5,172.6	-1,707.1	-1,032.0	1,994.3	0.00	0.00	0.00
5,700.0	24.92	211.58	5,263.3	-1,743.0	-1,054.0	2,036.4	0.00	0.00	0.00
5,800.0	24.92	211.58	5,354.0	-1,778.9	-1,076.1	2,078.5	0.00	0.00	0.00
<b>Wasatch G</b>									
5,894.8	24.92	211.58	5,440.0	-1,812.9	-1,097.0	2,118.5	0.00	0.00	0.00
5,900.0	24.92	211.58	5,444.7	-1,814.8	-1,098.2	2,120.6	0.00	0.00	0.00
6,000.0	24.92	211.58	5,535.4	-1,850.7	-1,120.2	2,162.8	0.00	0.00	0.00
6,100.0	24.92	211.58	5,626.1	-1,886.6	-1,142.3	2,204.9	0.00	0.00	0.00
6,200.0	24.92	211.58	5,716.8	-1,922.4	-1,164.4	2,247.0	0.00	0.00	0.00
<b>Fort Union</b>									
6,287.3	24.92	211.58	5,796.0	-1,953.8	-1,183.6	2,283.8	0.00	0.00	0.00
6,300.0	24.92	211.58	5,807.5	-1,958.3	-1,186.4	2,289.1	0.00	0.00	0.00
6,400.0	24.92	211.58	5,898.2	-1,994.2	-1,208.5	2,331.3	0.00	0.00	0.00
6,500.0	24.92	211.58	5,988.9	-2,030.1	-1,230.5	2,373.4	0.00	0.00	0.00
6,600.0	24.92	211.58	6,079.6	-2,066.0	-1,252.6	2,415.5	0.00	0.00	0.00
6,700.0	24.92	211.58	6,170.3	-2,101.9	-1,274.7	2,457.6	0.00	0.00	0.00
6,800.0	24.92	211.58	6,260.9	-2,137.8	-1,296.7	2,499.8	0.00	0.00	0.00
6,900.0	24.92	211.58	6,351.6	-2,173.7	-1,318.8	2,541.9	0.00	0.00	0.00
7,000.0	24.92	211.58	6,442.3	-2,209.6	-1,340.8	2,584.0	0.00	0.00	0.00
7,100.0	24.92	211.58	6,533.0	-2,245.5	-1,362.9	2,626.1	0.00	0.00	0.00
7,200.0	24.92	211.58	6,623.7	-2,281.4	-1,385.0	2,668.3	0.00	0.00	0.00
7,300.0	24.92	211.58	6,714.4	-2,317.2	-1,407.0	2,710.4	0.00	0.00	0.00
7,400.0	24.92	211.58	6,805.1	-2,353.1	-1,429.1	2,752.5	0.00	0.00	0.00
7,500.0	24.92	211.58	6,895.8	-2,389.0	-1,451.1	2,794.6	0.00	0.00	0.00
<b>Drop 3° /100'</b>									
7,592.2	24.92	211.58	6,979.4	-2,422.1	-1,471.5	2,833.5	0.00	0.00	0.00
7,600.0	24.68	211.58	6,986.5	-2,424.9	-1,473.2	2,836.7	3.00	-3.00	0.00
7,700.0	21.68	211.58	7,078.4	-2,458.4	-1,493.8	2,876.1	3.00	-3.00	0.00
7,800.0	18.68	211.58	7,172.3	-2,487.8	-1,511.9	2,910.6	3.00	-3.00	0.00
7,900.0	15.68	211.58	7,267.8	-2,513.0	-1,527.3	2,940.1	3.00	-3.00	0.00
8,000.0	12.68	211.58	7,364.7	-2,533.9	-1,540.2	2,964.6	3.00	-3.00	0.00
8,100.0	9.68	211.58	7,462.8	-2,550.4	-1,550.3	2,984.0	3.00	-3.00	0.00
8,200.0	6.68	211.58	7,561.8	-2,562.5	-1,557.8	2,998.2	3.00	-3.00	0.00
8,300.0	3.68	211.58	7,661.4	-2,570.2	-1,562.5	3,007.3	3.00	-3.00	0.00
8,400.0	0.68	211.58	7,761.3	-2,573.4	-1,564.5	3,011.1	3.00	-3.00	0.00
<b>EOD @ Vertical / Build 1.5° / 100' - Ohio Creek - TOG</b>									
8,422.7	0.00	0.00	7,784.0	-2,573.6	-1,564.6	3,011.2	3.00	-3.00	0.00
8,500.0	1.16	250.00	7,861.3	-2,573.8	-1,565.3	3,011.8	1.50	1.50	0.00
<b>EOB @ 1.55° Inc. / 250.00° Azm</b>									
8,525.9	1.55	250.00	7,887.1	-2,574.0	-1,565.9	3,012.3	1.50	1.50	0.00
8,600.0	1.55	250.00	7,961.2	-2,574.7	-1,567.8	3,013.9	0.00	0.00	0.00
<b>Williams Fork</b>									
8,662.8	1.55	250.00	8,024.0	-2,575.3	-1,569.3	3,015.2	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 15B-35 496 - Slot 15B-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 15B-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)	
8,700.0	1.55	250.00	8,061.2	-2,575.6	-1,570.3	3,016.0	0.00	0.00	0.00	
8,800.0	1.55	250.00	8,161.2	-2,576.6	-1,572.8	3,018.2	0.00	0.00	0.00	
8,900.0	1.55	250.00	8,261.1	-2,577.5	-1,575.4	3,020.3	0.00	0.00	0.00	
9,000.0	1.55	250.00	8,361.1	-2,578.4	-1,577.9	3,022.5	0.00	0.00	0.00	
9,100.0	1.55	250.00	8,461.1	-2,579.3	-1,580.4	3,024.6	0.00	0.00	0.00	
9,200.0	1.55	250.00	8,561.0	-2,580.3	-1,583.0	3,026.7	0.00	0.00	0.00	
9,300.0	1.55	250.00	8,661.0	-2,581.2	-1,585.5	3,028.9	0.00	0.00	0.00	
9,400.0	1.55	250.00	8,761.0	-2,582.1	-1,588.1	3,031.0	0.00	0.00	0.00	
9,500.0	1.55	250.00	8,860.9	-2,583.0	-1,590.6	3,033.2	0.00	0.00	0.00	
9,600.0	1.55	250.00	8,960.9	-2,583.9	-1,593.1	3,035.3	0.00	0.00	0.00	
9,700.0	1.55	250.00	9,060.8	-2,584.9	-1,595.7	3,037.4	0.00	0.00	0.00	
9,800.0	1.55	250.00	9,160.8	-2,585.8	-1,598.2	3,039.6	0.00	0.00	0.00	
9,900.0	1.55	250.00	9,260.8	-2,586.7	-1,600.7	3,041.7	0.00	0.00	0.00	
10,000.0	1.55	250.00	9,360.7	-2,587.6	-1,603.3	3,043.9	0.00	0.00	0.00	
10,100.0	1.55	250.00	9,460.7	-2,588.6	-1,605.8	3,046.0	0.00	0.00	0.00	
10,200.0	1.55	250.00	9,560.7	-2,589.5	-1,608.3	3,048.1	0.00	0.00	0.00	
10,300.0	1.55	250.00	9,660.6	-2,590.4	-1,610.9	3,050.3	0.00	0.00	0.00	
10,400.0	1.55	250.00	9,760.6	-2,591.3	-1,613.4	3,052.4	0.00	0.00	0.00	
10,500.0	1.55	250.00	9,860.6	-2,592.3	-1,616.0	3,054.6	0.00	0.00	0.00	
10,600.0	1.55	250.00	9,960.5	-2,593.2	-1,618.5	3,056.7	0.00	0.00	0.00	
10,700.0	1.55	250.00	10,060.5	-2,594.1	-1,621.0	3,058.8	0.00	0.00	0.00	
10,800.0	1.55	250.00	10,160.4	-2,595.0	-1,623.6	3,061.0	0.00	0.00	0.00	
10,900.0	1.55	250.00	10,260.4	-2,596.0	-1,626.1	3,063.1	0.00	0.00	0.00	
11,000.0	1.55	250.00	10,360.4	-2,596.9	-1,628.6	3,065.3	0.00	0.00	0.00	
11,100.0	1.55	250.00	10,460.3	-2,597.8	-1,631.2	3,067.4	0.00	0.00	0.00	
11,200.0	1.55	250.00	10,560.3	-2,598.7	-1,633.7	3,069.6	0.00	0.00	0.00	
11,300.0	1.55	250.00	10,660.3	-2,599.7	-1,636.3	3,071.7	0.00	0.00	0.00	
<b>Cameo</b>										
11,362.8	1.55	250.00	10,723.0	-2,600.2	-1,637.8	3,073.0	0.00	0.00	0.00	
11,400.0	1.55	250.00	10,760.2	-2,600.6	-1,638.8	3,073.8	0.00	0.00	0.00	
11,500.0	1.55	250.00	10,860.2	-2,601.5	-1,641.3	3,076.0	0.00	0.00	0.00	
11,600.0	1.55	250.00	10,960.2	-2,602.4	-1,643.9	3,078.1	0.00	0.00	0.00	
11,700.0	1.55	250.00	11,060.1	-2,603.3	-1,646.4	3,080.3	0.00	0.00	0.00	
11,800.0	1.55	250.00	11,160.1	-2,604.3	-1,648.9	3,082.4	0.00	0.00	0.00	
11,900.0	1.55	250.00	11,260.0	-2,605.2	-1,651.5	3,084.5	0.00	0.00	0.00	
<b>Rollins</b>										
11,978.0	1.55	250.00	11,338.0	-2,605.9	-1,653.5	3,086.2	0.00	0.00	0.00	
12,000.0	1.55	250.00	11,360.0	-2,606.1	-1,654.0	3,086.7	0.00	0.00	0.00	
12,100.0	1.55	250.00	11,460.0	-2,607.0	-1,656.6	3,088.8	0.00	0.00	0.00	
<b>TD @ 12178.1' MD / 11538.0' TVD</b>										
12,178.1	1.55	250.00	11,538.0	-2,607.8	-1,658.5	3,090.5	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 15B-35 496 - Slot 15B-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 15B-35 496	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #2		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
15B-35 - OHCR	0.00	0.00	7,784.0	-2,573.6	-1,564.6	14,412,625.19	2,445,623.73	39.653272	-108.139498
- plan hits target center									
- Point									
15B-35 - PBHL	0.00	0.00	11,538.0	-2,607.8	-1,658.5	14,412,588.00	2,445,530.90	39.653178	-108.139832
- plan hits target center									
- Ellipse (radii L100.0 W50.0 on 250.00 azi)									

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,586.9	2,440.0	Wasatch				
5,894.8	5,440.0	Wasatch G				
6,287.3	5,796.0	Fort Union				
8,422.7	7,784.0	Ohio Creek				
8,422.7	7,784.0	TOG				
8,662.8	8,024.0	Williams Fork				
11,362.8	10,723.0	Cameo				
11,978.0	11,338.0	Rollins				

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
450.0	450.0	0.0	0.0	Build 3° / 100'
783.3	781.6	-27.3	-9.9	EOB @ 10.00° Inc. / 200.00° Azm / Build 3° / 100'
1,291.5	1,265.1	-160.7	-81.5	EOB @ 24.92° Inc. / 211.58° Azm
7,592.2	6,979.4	-2,422.1	-1,471.5	Drop 3° / 100'
8,422.7	7,784.0	-2,573.6	-1,564.6	EOD @ Vertical / Build 1.5° / 100'
8,525.9	7,887.1	-2,574.0	-1,565.9	EOB @ 1.55° Inc. / 250.00° Azm
12,178.1	11,538.0	-2,607.8	-1,658.5	TD @ 12178.1' MD / 11538.0' TVD