

Project: Garfield County, CO
 Site: BJU M33 496 Pad
 Well: BJU M33 FED 25B-33 496
 Wellbore: Wellbore #1
 Design: Design #5
 Latitude: 39.653249
 Longitude: -108.177857
 Ground Level: 8401.0
 RKB @ 8431.0usft (H&P #329)

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
2190.0	2190.3	Wasatch
5194.0	5223.7	Wasatch G
5494.0	5526.6	Fort Union
7361.0	7395.1	Ohio Creek
7614.0	7648.2	TOG
7621.0	7655.2	Williams Fork
10144.0	10179.0	Cameo
10789.0	10824.3	Rollins

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well BJU M33 FED 25B-33 496 - Slot 25B-33, True North
 Vertical (TVD) Reference: RKB @ 8431.0usft (H&P #329)
 Section (VS) Reference: Slot - 25B-33(0.0N, 0.0E)
 Measured Depth Reference: RKB @ 8431.0usft (H&P #329)
 Calculation Method: Minimum Curvature

WELL DETAILS: BJU M33 FED 25B-33 496

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	14412275.00	2434824.60	39.653249	-108.177857

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

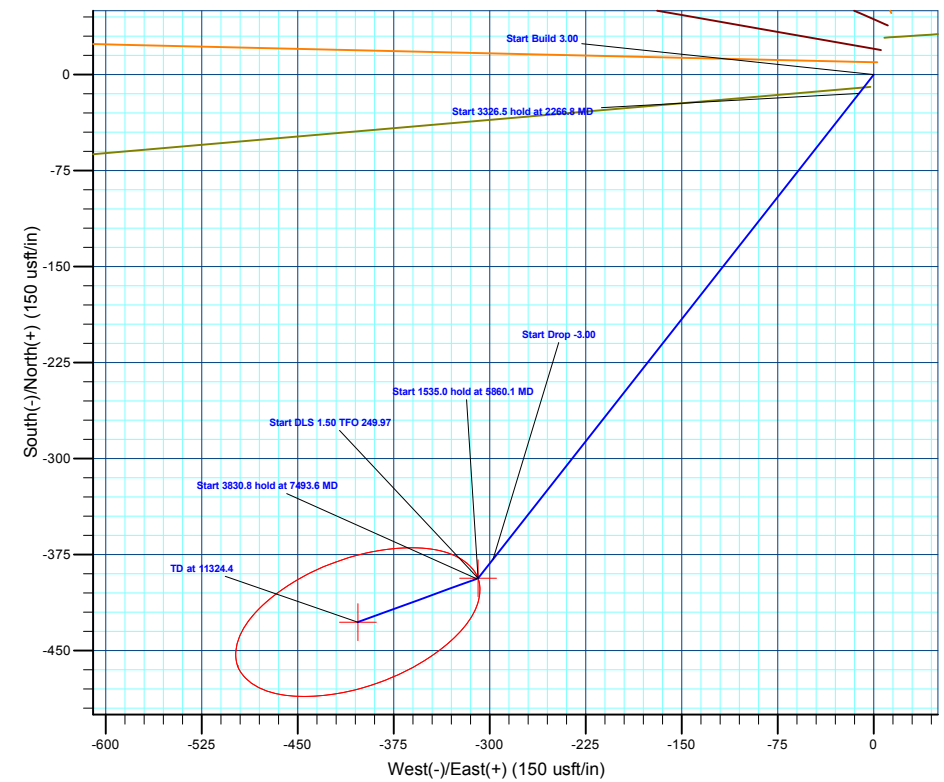
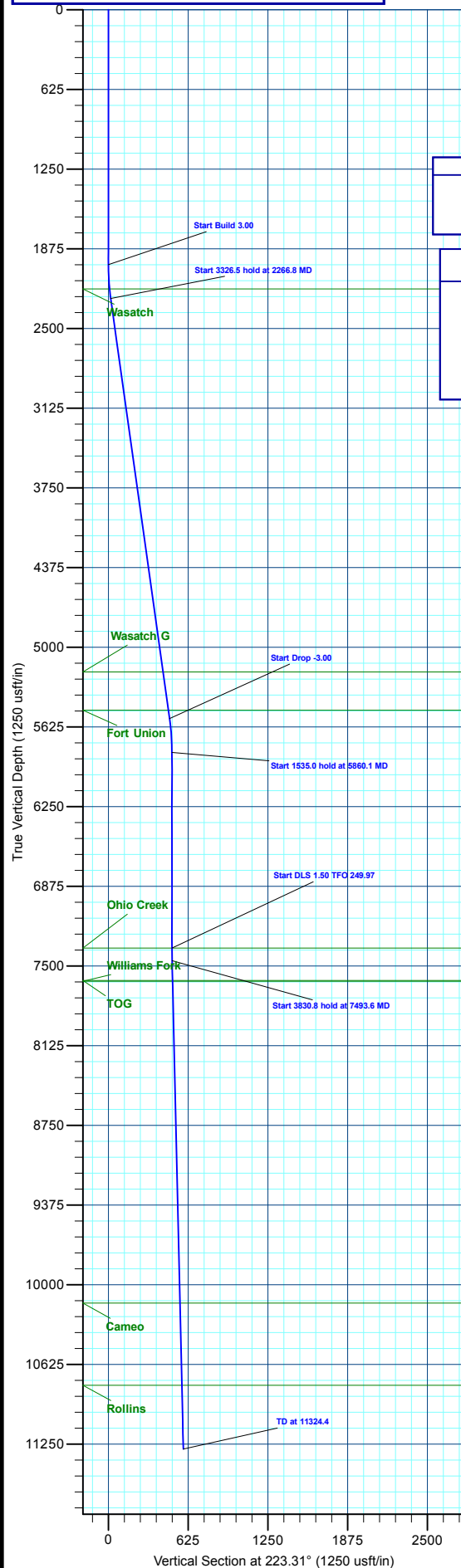
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
OHCR - 25B-33	7361.0	-393.5	-309.2	14411871.98	2434527.93	39.652169	-108.178955
PBHL - 25B-33	11289.0	-427.7	-403.1	14411834.80	2434435.10	39.652075	-108.179288

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	
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	Start Build 3.00
2266.8	8.00	218.16	2266.0	-14.6	-11.5	3.00	218.16	18.5	Start 3326.5 hold at 2266.8 MD
5593.3	8.00	218.16	5560.0	-378.9	-297.7	0.00	0.00	479.9	Start Drop -3.00
5860.1	0.00	0.00	5826.0	-393.5	-309.2	3.00	180.00	498.4	Start 1535.0 hold at 5860.1 MD
7395.1	0.00	0.00	7361.0	-393.5	-309.2	0.00	0.00	498.4	Start DLS 1.50 TFO 249.97
7493.6	1.48	249.97	7459.4	-393.9	-310.4	1.50	249.97	499.6	Start 3830.8 hold at 7493.6 MD
11324.4	1.48	249.97	11289.0	-427.7	-403.1	0.00	0.00	587.8	TD at 11324.4

TM
 Azimuths to True North
 Magnetic North: 9.48°
 Magnetic Field
 Strength: 51259.6nT
 Dip Angle: 65.82°
 Date: 12/10/2019
 Model: HDGM_FILE



Plan: Design #5 (BJU M33 FED 25B-33 496/Wellbore #1)

Created By: Will Jircik Date: 13:41, January 10 2023



Caerus Oil & Gas

Garfield County, CO

BJU M33 496 Pad

BJU M33 FED 25B-33 496 - Slot 25B-33

Wellbore #1

Plan: Design #5

KLX Well Planning Report

10 January, 2023



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M33 FED 25B-33 496 - Slot 25B-33
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	North Reference:	True
Well:	BJU M33 FED 25B-33 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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	BJU M33 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 M33 FED 25B-33 496 - Slot 25B-33					
Well Position	+N/-S	-2,688.3 usft	Northing:	14,412,275.00 usft	Latitude:	39.653249
	+E/-W	-12,278.3 usft	Easting:	2,434,824.60 usft	Longitude:	-108.177857
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	8,401.0 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/10/2019	9.48	65.82	51,259.60000000

Design	Design #5			
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	223.31

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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,266.8	8.00	218.16	2,266.0	-14.6	-11.5	3.00	3.00	0.00	218.16	
5,593.3	8.00	218.16	5,560.0	-378.9	-297.7	0.00	0.00	0.00	0.00	
5,860.1	0.00	0.00	5,826.0	-393.5	-309.2	3.00	-3.00	0.00	180.00	
7,395.1	0.00	0.00	7,361.0	-393.5	-309.2	0.00	0.00	0.00	0.00	OHCR - 25B-33
7,493.6	1.48	249.97	7,459.4	-393.9	-310.4	1.50	1.50	-111.75	249.97	
11,324.4	1.48	249.97	11,289.0	-427.7	-403.1	0.00	0.00	0.00	0.00	PBHL - 25B-33

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M33 FED 25B-33 496 - Slot 25B-33
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	North Reference:	True
Well:	BJU M33 FED 25B-33 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 3.00									
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	3.00	218.16	2,100.0	-2.1	-1.6	2.6	3.00	3.00	0.00
Wasatch									
2,190.3	5.71	218.16	2,190.0	-7.4	-5.9	9.4	3.00	3.00	0.00
2,200.0	6.00	218.16	2,199.6	-8.2	-6.5	10.4	3.00	3.00	0.00
Start 3326.5 hold at 2266.8 MD									
2,266.8	8.00	218.16	2,266.0	-14.6	-11.5	18.5	3.00	3.00	0.00
2,300.0	8.00	218.16	2,298.8	-18.3	-14.4	23.1	0.00	0.00	0.00
2,400.0	8.00	218.16	2,397.8	-29.2	-23.0	37.0	0.00	0.00	0.00
2,500.0	8.00	218.16	2,496.9	-40.2	-31.6	50.9	0.00	0.00	0.00
2,600.0	8.00	218.16	2,595.9	-51.1	-40.2	64.7	0.00	0.00	0.00
2,700.0	8.00	218.16	2,694.9	-62.1	-48.8	78.6	0.00	0.00	0.00
2,800.0	8.00	218.16	2,793.9	-73.0	-57.4	92.5	0.00	0.00	0.00
2,900.0	8.00	218.16	2,893.0	-84.0	-66.0	106.3	0.00	0.00	0.00
3,000.0	8.00	218.16	2,992.0	-94.9	-74.6	120.2	0.00	0.00	0.00
3,100.0	8.00	218.16	3,091.0	-105.9	-83.2	134.1	0.00	0.00	0.00
3,200.0	8.00	218.16	3,190.0	-116.8	-91.8	148.0	0.00	0.00	0.00
3,300.0	8.00	218.16	3,289.1	-127.8	-100.4	161.8	0.00	0.00	0.00
3,400.0	8.00	218.16	3,388.1	-138.7	-109.0	175.7	0.00	0.00	0.00
3,500.0	8.00	218.16	3,487.1	-149.7	-117.6	189.6	0.00	0.00	0.00
3,600.0	8.00	218.16	3,586.1	-160.6	-126.2	203.4	0.00	0.00	0.00
3,700.0	8.00	218.16	3,685.2	-171.6	-134.8	217.3	0.00	0.00	0.00
3,800.0	8.00	218.16	3,784.2	-182.5	-143.4	231.2	0.00	0.00	0.00
3,900.0	8.00	218.16	3,883.2	-193.5	-152.0	245.0	0.00	0.00	0.00
4,000.0	8.00	218.16	3,982.2	-204.4	-160.6	258.9	0.00	0.00	0.00
4,100.0	8.00	218.16	4,081.3	-215.4	-169.2	272.8	0.00	0.00	0.00
4,200.0	8.00	218.16	4,180.3	-226.3	-177.8	286.6	0.00	0.00	0.00
4,300.0	8.00	218.16	4,279.3	-237.3	-186.4	300.5	0.00	0.00	0.00
4,400.0	8.00	218.16	4,378.3	-248.2	-195.0	314.4	0.00	0.00	0.00
4,500.0	8.00	218.16	4,477.4	-259.1	-203.6	328.3	0.00	0.00	0.00
4,600.0	8.00	218.16	4,576.4	-270.1	-212.2	342.1	0.00	0.00	0.00
4,700.0	8.00	218.16	4,675.4	-281.0	-220.8	356.0	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M33 FED 25B-33 496 - Slot 25B-33
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	North Reference:	True
Well:	BJU M33 FED 25B-33 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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	8.00	218.16	4,774.5	-292.0	-229.4	369.9	0.00	0.00	0.00
4,900.0	8.00	218.16	4,873.5	-302.9	-238.0	383.7	0.00	0.00	0.00
5,000.0	8.00	218.16	4,972.5	-313.9	-246.7	397.6	0.00	0.00	0.00
5,100.0	8.00	218.16	5,071.5	-324.8	-255.3	411.5	0.00	0.00	0.00
5,200.0	8.00	218.16	5,170.6	-335.8	-263.9	425.3	0.00	0.00	0.00
Wasatch G									
5,223.7	8.00	218.16	5,194.0	-338.4	-265.9	428.6	0.00	0.00	0.00
5,300.0	8.00	218.16	5,269.6	-346.7	-272.5	439.2	0.00	0.00	0.00
5,400.0	8.00	218.16	5,368.6	-357.7	-281.1	453.1	0.00	0.00	0.00
5,500.0	8.00	218.16	5,467.6	-368.6	-289.7	466.9	0.00	0.00	0.00
Fort Union									
5,526.6	8.00	218.16	5,494.0	-371.6	-292.0	470.6	0.00	0.00	0.00
Start Drop -3.00									
5,593.3	8.00	218.16	5,560.0	-378.9	-297.7	479.9	0.00	0.00	0.00
5,600.0	7.80	218.16	5,566.7	-379.6	-298.3	480.8	3.00	-3.00	0.00
5,700.0	4.80	218.16	5,666.0	-388.2	-305.0	491.7	3.00	-3.00	0.00
5,800.0	1.80	218.16	5,765.9	-392.7	-308.6	497.5	3.00	-3.00	0.00
Start 1535.0 hold at 5860.1 MD									
5,860.1	0.00	0.00	5,826.0	-393.5	-309.2	498.4	3.00	-3.00	0.00
5,900.0	0.00	0.00	5,865.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,000.0	0.00	0.00	5,965.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,100.0	0.00	0.00	6,065.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,200.0	0.00	0.00	6,165.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,300.0	0.00	0.00	6,265.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,400.0	0.00	0.00	6,365.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,500.0	0.00	0.00	6,465.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,600.0	0.00	0.00	6,565.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,700.0	0.00	0.00	6,665.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,800.0	0.00	0.00	6,765.9	-393.5	-309.2	498.4	0.00	0.00	0.00
6,900.0	0.00	0.00	6,865.9	-393.5	-309.2	498.4	0.00	0.00	0.00
7,000.0	0.00	0.00	6,965.9	-393.5	-309.2	498.4	0.00	0.00	0.00
7,100.0	0.00	0.00	7,065.9	-393.5	-309.2	498.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,165.9	-393.5	-309.2	498.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,265.9	-393.5	-309.2	498.4	0.00	0.00	0.00
Start DLS 1.50 TFO 249.97 - Ohio Creek									
7,395.1	0.00	0.00	7,361.0	-393.5	-309.2	498.4	0.00	0.00	0.00
7,400.0	0.07	249.97	7,365.9	-393.5	-309.2	498.4	1.50	1.50	0.00
Start 3830.8 hold at 7493.6 MD									
7,493.6	1.48	249.97	7,459.4	-393.9	-310.4	499.6	1.50	1.50	0.00
7,500.0	1.48	249.97	7,465.8	-394.0	-310.5	499.7	0.00	0.00	0.00
7,600.0	1.48	249.97	7,565.8	-394.9	-313.0	502.0	0.00	0.00	0.00
TOG									
7,648.2	1.48	249.97	7,614.0	-395.3	-314.1	503.1	0.00	0.00	0.00
Williams Fork									
7,655.2	1.48	249.97	7,621.0	-395.4	-314.3	503.3	0.00	0.00	0.00
7,700.0	1.48	249.97	7,665.8	-395.7	-315.4	504.3	0.00	0.00	0.00
7,800.0	1.48	249.97	7,765.7	-396.6	-317.8	506.6	0.00	0.00	0.00
7,900.0	1.48	249.97	7,865.7	-397.5	-320.2	508.9	0.00	0.00	0.00
8,000.0	1.48	249.97	7,965.7	-398.4	-322.7	511.2	0.00	0.00	0.00
8,100.0	1.48	249.97	8,065.6	-399.3	-325.1	513.5	0.00	0.00	0.00
8,200.0	1.48	249.97	8,165.6	-400.2	-327.5	515.8	0.00	0.00	0.00
8,300.0	1.48	249.97	8,265.6	-401.0	-329.9	518.1	0.00	0.00	0.00
8,400.0	1.48	249.97	8,365.5	-401.9	-332.3	520.4	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M33 FED 25B-33 496 - Slot 25B-33
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	North Reference:	True
Well:	BJU M33 FED 25B-33 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

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)	
8,500.0	1.48	249.97	8,465.5	-402.8	-334.8	522.7	0.00	0.00	0.00	
8,600.0	1.48	249.97	8,565.5	-403.7	-337.2	525.0	0.00	0.00	0.00	
8,700.0	1.48	249.97	8,665.4	-404.6	-339.6	527.3	0.00	0.00	0.00	
8,800.0	1.48	249.97	8,765.4	-405.5	-342.0	529.6	0.00	0.00	0.00	
8,900.0	1.48	249.97	8,865.4	-406.3	-344.4	531.9	0.00	0.00	0.00	
9,000.0	1.48	249.97	8,965.3	-407.2	-346.9	534.2	0.00	0.00	0.00	
9,100.0	1.48	249.97	9,065.3	-408.1	-349.3	536.6	0.00	0.00	0.00	
9,200.0	1.48	249.97	9,165.3	-409.0	-351.7	538.9	0.00	0.00	0.00	
9,300.0	1.48	249.97	9,265.2	-409.9	-354.1	541.2	0.00	0.00	0.00	
9,400.0	1.48	249.97	9,365.2	-410.8	-356.6	543.5	0.00	0.00	0.00	
9,500.0	1.48	249.97	9,465.2	-411.6	-359.0	545.8	0.00	0.00	0.00	
9,600.0	1.48	249.97	9,565.1	-412.5	-361.4	548.1	0.00	0.00	0.00	
9,700.0	1.48	249.97	9,665.1	-413.4	-363.8	550.4	0.00	0.00	0.00	
9,800.0	1.48	249.97	9,765.1	-414.3	-366.2	552.7	0.00	0.00	0.00	
9,900.0	1.48	249.97	9,865.0	-415.2	-368.7	555.0	0.00	0.00	0.00	
10,000.0	1.48	249.97	9,965.0	-416.0	-371.1	557.3	0.00	0.00	0.00	
10,100.0	1.48	249.97	10,065.0	-416.9	-373.5	559.6	0.00	0.00	0.00	
Cameo										
10,179.0	1.48	249.97	10,144.0	-417.6	-375.4	561.4	0.00	0.00	0.00	
10,200.0	1.48	249.97	10,164.9	-417.8	-375.9	561.9	0.00	0.00	0.00	
10,300.0	1.48	249.97	10,264.9	-418.7	-378.3	564.2	0.00	0.00	0.00	
10,400.0	1.48	249.97	10,364.9	-419.6	-380.8	566.5	0.00	0.00	0.00	
10,500.0	1.48	249.97	10,464.8	-420.5	-383.2	568.8	0.00	0.00	0.00	
10,600.0	1.48	249.97	10,564.8	-421.3	-385.6	571.1	0.00	0.00	0.00	
10,700.0	1.48	249.97	10,664.8	-422.2	-388.0	573.4	0.00	0.00	0.00	
10,800.0	1.48	249.97	10,764.7	-423.1	-390.5	575.7	0.00	0.00	0.00	
Rollins										
10,824.3	1.48	249.97	10,789.0	-423.3	-391.0	576.3	0.00	0.00	0.00	
10,900.0	1.48	249.97	10,864.7	-424.0	-392.9	578.0	0.00	0.00	0.00	
11,000.0	1.48	249.97	10,964.7	-424.9	-395.3	580.3	0.00	0.00	0.00	
11,100.0	1.48	249.97	11,064.6	-425.8	-397.7	582.6	0.00	0.00	0.00	
11,200.0	1.48	249.97	11,164.6	-426.6	-400.1	584.9	0.00	0.00	0.00	
11,300.0	1.48	249.97	11,264.6	-427.5	-402.6	587.2	0.00	0.00	0.00	
TD at 11324.4										
11,324.4	1.48	249.97	11,289.0	-427.7	-403.1	587.8	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 - 25B-33 - hit/miss target - Shape - Point	0.00	0.00	7,361.0	-393.5	-309.2	14,411,871.98	2,434,527.93	39.652170	-108.178955	
PBHL - 25B-33 - plan hits target center - Ellipse (radii L100.0 W50.0 on 250.00 azi)	0.00	0.00	11,289.0	-427.7	-403.1	14,411,834.80	2,434,435.10	39.652076	-108.179288	

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well BJU M33 FED 25B-33 496 - Slot 25B-33
Company:	Caerus Oil & Gas	TVD Reference:	RKB @ 8431.0usft (H&P #329)
Project:	Garfield County, CO	MD Reference:	RKB @ 8431.0usft (H&P #329)
Site:	BJU M33 496 Pad	North Reference:	True
Well:	BJU M33 FED 25B-33 496	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #5		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,190.3	2,190.0	Wasatch			
5,223.7	5,194.0	Wasatch G			
5,526.6	5,494.0	Fort Union			
7,395.1	7,361.0	Ohio Creek			
7,648.2	7,614.0	TOG			
7,655.2	7,621.0	Williams Fork			
10,179.0	10,144.0	Cameo			
10,824.3	10,789.0	Rollins			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,000.0	2,000.0	0.0	0.0	Start Build 3.00
2,266.8	2,266.0	-14.6	-11.5	Start 3326.5 hold at 2266.8 MD
5,593.3	5,560.0	-378.9	-297.7	Start Drop -3.00
5,860.1	5,826.0	-393.5	-309.2	Start 1535.0 hold at 5860.1 MD
7,395.1	7,361.0	-393.5	-309.2	Start DLS 1.50 TFO 249.97
7,493.6	7,459.4	-393.9	-310.4	Start 3830.8 hold at 7493.6 MD
11,324.4	11,289.0	-427.7	-403.1	TD at 11324.4