

Project: Rio Blanco County, CO  
Site: ELU A18 495 Pad  
Well: ELU A18 FED 14B-7-495  
Wellbore: OH  
Design: Design #6  
Latitude: 39.709121  
Longitude: -108.104348  
Ground Level: 8029.0  
RKB=30' @ 8059.0usft (TBD)

PROJECT DETAILS: Rio Blanco 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

REFERENCE INFORMATION  
Vertical (TVD) Reference: RKB=30' @ 8059.0usft (TBD)  
Section (VS) Reference: Slot - 14B-7(0.0N, 0.0E)  
Measured Depth Reference: RKB=30' @ 8059.0usft (TBD)  
Calculation Method: Minimum Curvature

#### 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	
210.0	0.00	0.00	210.0	0.0	0.0	0.00	0.00	0.0	Build 3° / 100'
376.7	5.00	1.75	376.5	7.3	0.2	3.00	1.75	6.9	EOB @ 5.00° Inc. / 1.75° Azm : Build 3° / 100'
928.8	21.18	21.75	912.6	124.8	38.2	3.00	25.68	130.2	EOB @ 21.18° Inc. / 21.75° Azm
8957.4	21.18	21.75	8399.0	2818.8	1112.8	0.00	0.00	3029.9	Drop 3° / 100'
9663.4	0.00	0.00	9089.0	2938.6	1160.6	3.00	180.00	3158.8	EOD @ Vertical / Build 1.5° / 100'
9748.1	1.27	240.00	9173.7	2938.1	1159.8	1.50	240.00	3158.1	EOB @ 1.27° Inc. / 240.00° Azm
14214.5	1.27	240.00	13639.0	2888.6	1074.0	0.00	0.00	3081.8	TD @ 14214.5' MD / 13639.0' TVD

#### FORMATION TOP DETAILS

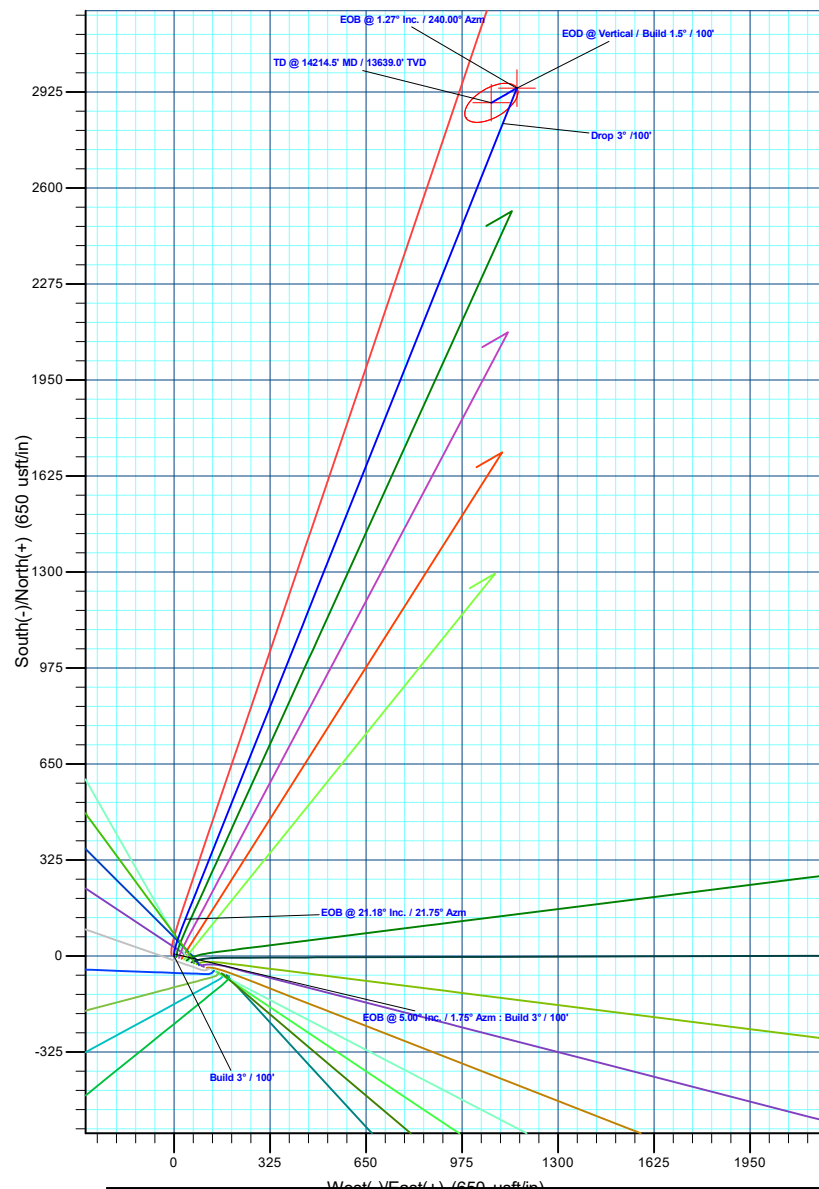
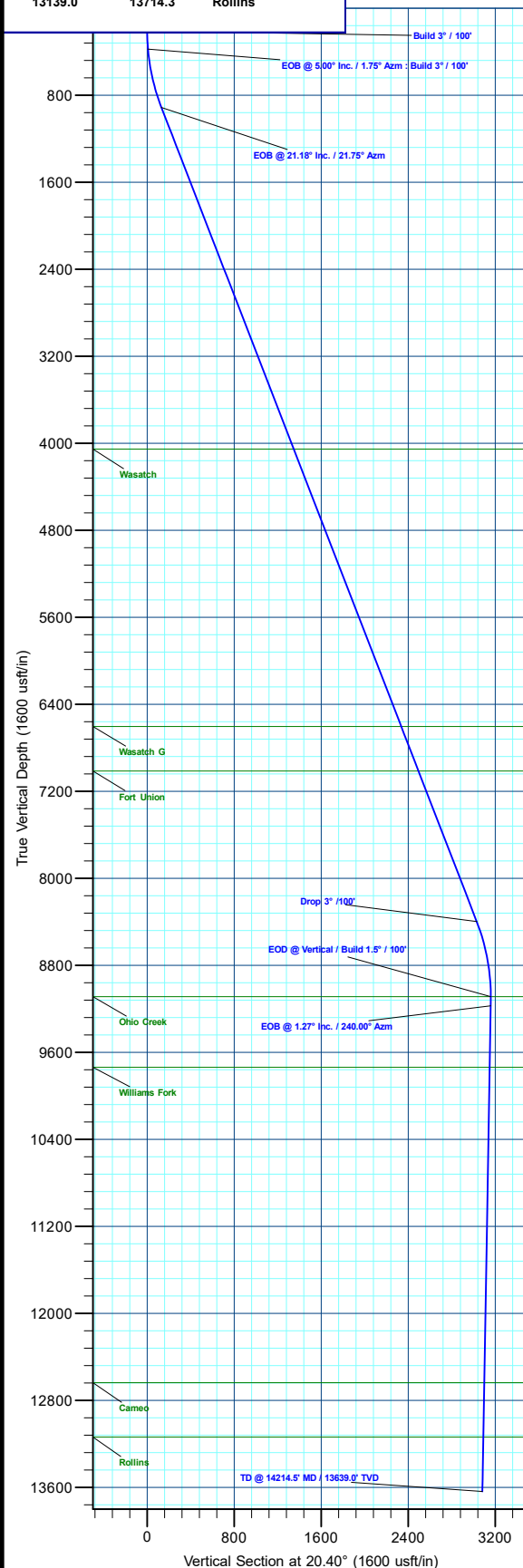
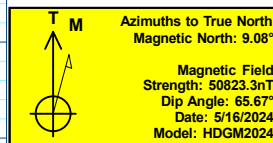
TVDPath	MDPath	Formation
4055.0	4298.8	Wasatch
6605.0	7033.4	Wasatch G
7015.0	7473.1	Fort Union
9089.0	9663.4	Ohio Creek
9739.0	10313.5	Williams Fork
12639.0	13214.2	Cameo
13139.0	13714.3	Rollins

#### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
14B-7 - OHCR	9089.0	2938.6	1160.6	14436257.37	2455927.84	39.717185	-108.100224
14B-7 - PBHL	13639.0	2888.6	1074.0	14436204.60	2455842.90	39.717048	-108.100532

#### WELL DETAILS: ELU A18 FED 14B-7-495

+N/-S	+E/-W	Ground Level	Northing	Easting	Latitude	Longitude
0.0	0.0	8029.0	14433282.83	2454862.77	39.709121	-108.104348



Plan: Design #6 (ELU A18 FED 14B-7-495/OH)

Created By: Will Jircik Date: 21:40, June 09 2024



## **Caerus Oil & Gas**

**Rio Blanco County, CO**

**ELU A18 495 Pad**

**ELU A18 FED 14B-7-495 - Slot 14B-7**

**OH**

**Plan: Design #6**

## **KLX Well Planning Report**

**09 June, 2024**



<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well ELU A18 FED 14B-7-495 - Slot 14B-7
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Site:</b>	ELU A18 495 Pad	<b>North Reference:</b>	True
<b>Well:</b>	ELU A18 FED 14B-7-495	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #6		

<b>Project</b>	Rio Blanco County, CO		
<b>Map System:</b>	Universal Transverse Mercator (US Survey Feet)	<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		ELU A18 495 Pad				
Site Position:		Northing:	14,433,285.62 usft	Latitude:	39.709129	
From:	Map	Easting:	2,454,854.21 usft	Longitude:	-108.104378	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.85 °

Well	ELU A18 FED 14B-7-495 - Slot 14B-7					
Well Position	+N/-S	-3.1 usft	Northing:	14,433,282.83 usft	Latitude:	39.709121
	+E/-W	8.5 usft	Easting:	2,454,862.77 usft	Longitude:	-108.104348
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	8,029.0 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2024	5/16/2024	9.08	65.67	50,823.30000000

<b>Design</b>	Design #6			
<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	20.40

<b>Plan Sections</b>										
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	
210.0	0.00	0.00	210.0	0.0	0.0	0.00	0.00	0.00	0.00	
376.7	5.00	1.75	376.5	7.3	0.2	3.00	3.00	0.00	1.75	
928.8	21.18	21.75	912.6	124.8	38.2	3.00	2.93	3.62	25.68	
8,957.4	21.18	21.75	8,399.0	2,818.8	1,112.8	0.00	0.00	0.00	0.00	
9,663.4	0.00	0.00	9,089.0	2,938.6	1,160.6	3.00	-3.00	0.00	180.00	14B-7 - OHCR
9,748.1	1.27	240.00	9,173.7	2,938.1	1,159.8	1.50	1.50	-141.63	240.00	
14,214.5	1.27	240.00	13,639.0	2,888.6	1,074.0	0.00	0.00	0.00	0.00	14B-7 - PBHL

<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well ELU A18 FED 14B-7-495 - Slot 14B-7
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Site:</b>	ELU A18 495 Pad	<b>North Reference:</b>	True
<b>Well:</b>	ELU A18 FED 14B-7-495	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #6		

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
<b>Build 3° / 100'</b>									
210.0	0.00	0.00	210.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	2.70	1.75	300.0	2.1	0.1	2.0	3.00	3.00	0.00
<b>EOB @ 5.00° Inc. / 1.75° Azm : Build 3° / 100'</b>									
376.7	5.00	1.75	376.5	7.3	0.2	6.9	3.00	3.00	0.00
400.0	5.64	4.84	399.7	9.4	0.3	9.0	3.00	2.74	13.24
500.0	8.49	12.67	498.9	21.5	2.4	21.0	3.00	2.85	7.83
600.0	11.41	16.55	597.4	38.2	6.8	38.2	3.00	2.93	3.88
700.0	14.37	18.86	694.9	59.4	13.7	60.5	3.00	2.96	2.31
800.0	17.34	20.39	791.1	85.2	22.9	87.8	3.00	2.97	1.53
900.0	20.32	21.49	885.7	115.3	34.4	120.1	3.00	2.98	1.09
<b>EOB @ 21.18° Inc. / 21.75° Azm</b>									
928.8	21.18	21.75	912.6	124.8	38.2	130.2	3.00	2.98	0.90
1,000.0	21.18	21.75	979.0	148.7	47.7	156.0	0.00	0.00	0.00
1,100.0	21.18	21.75	1,072.3	182.2	61.1	192.1	0.00	0.00	0.00
1,200.0	21.18	21.75	1,165.5	215.8	74.5	228.2	0.00	0.00	0.00
1,300.0	21.18	21.75	1,258.8	249.3	87.9	264.3	0.00	0.00	0.00
1,400.0	21.18	21.75	1,352.0	282.9	101.2	300.4	0.00	0.00	0.00
1,500.0	21.18	21.75	1,445.3	316.4	114.6	336.5	0.00	0.00	0.00
1,600.0	21.18	21.75	1,538.5	350.0	128.0	372.7	0.00	0.00	0.00
1,700.0	21.18	21.75	1,631.7	383.5	141.4	408.8	0.00	0.00	0.00
1,800.0	21.18	21.75	1,725.0	417.1	154.8	444.9	0.00	0.00	0.00
1,900.0	21.18	21.75	1,818.2	450.7	168.2	481.0	0.00	0.00	0.00
2,000.0	21.18	21.75	1,911.5	484.2	181.6	517.1	0.00	0.00	0.00
2,100.0	21.18	21.75	2,004.7	517.8	194.9	553.2	0.00	0.00	0.00
2,200.0	21.18	21.75	2,098.0	551.3	208.3	589.4	0.00	0.00	0.00
2,300.0	21.18	21.75	2,191.2	584.9	221.7	625.5	0.00	0.00	0.00
2,400.0	21.18	21.75	2,284.5	618.4	235.1	661.6	0.00	0.00	0.00
2,500.0	21.18	21.75	2,377.7	652.0	248.5	697.7	0.00	0.00	0.00
2,600.0	21.18	21.75	2,471.0	685.5	261.9	733.8	0.00	0.00	0.00
2,700.0	21.18	21.75	2,564.2	719.1	275.2	769.9	0.00	0.00	0.00
2,800.0	21.18	21.75	2,657.5	752.7	288.6	806.1	0.00	0.00	0.00
2,900.0	21.18	21.75	2,750.7	786.2	302.0	842.2	0.00	0.00	0.00
3,000.0	21.18	21.75	2,844.0	819.8	315.4	878.3	0.00	0.00	0.00
3,100.0	21.18	21.75	2,937.2	853.3	328.8	914.4	0.00	0.00	0.00
3,200.0	21.18	21.75	3,030.4	886.9	342.2	950.5	0.00	0.00	0.00
3,300.0	21.18	21.75	3,123.7	920.4	355.6	986.6	0.00	0.00	0.00
3,400.0	21.18	21.75	3,216.9	954.0	368.9	1,022.8	0.00	0.00	0.00
3,500.0	21.18	21.75	3,310.2	987.5	382.3	1,058.9	0.00	0.00	0.00
3,600.0	21.18	21.75	3,403.4	1,021.1	395.7	1,095.0	0.00	0.00	0.00
3,700.0	21.18	21.75	3,496.7	1,054.6	409.1	1,131.1	0.00	0.00	0.00
3,800.0	21.18	21.75	3,589.9	1,088.2	422.5	1,167.2	0.00	0.00	0.00
3,900.0	21.18	21.75	3,683.2	1,121.8	435.9	1,203.3	0.00	0.00	0.00
4,000.0	21.18	21.75	3,776.4	1,155.3	449.3	1,239.5	0.00	0.00	0.00
4,100.0	21.18	21.75	3,869.7	1,188.9	462.6	1,275.6	0.00	0.00	0.00
4,200.0	21.18	21.75	3,962.9	1,222.4	476.0	1,311.7	0.00	0.00	0.00
<b>Wasatch</b>									
4,298.8	21.18	21.75	4,055.0	1,255.6	489.2	1,347.4	0.00	0.00	0.00
4,300.0	21.18	21.75	4,056.2	1,256.0	489.4	1,347.8	0.00	0.00	0.00
4,400.0	21.18	21.75	4,149.4	1,289.5	502.8	1,383.9	0.00	0.00	0.00
4,500.0	21.18	21.75	4,242.6	1,323.1	516.2	1,420.0	0.00	0.00	0.00

<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well ELU A18 FED 14B-7-495 - Slot 14B-7
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Site:</b>	ELU A18 495 Pad	<b>North Reference:</b>	True
<b>Well:</b>	ELU A18 FED 14B-7-495	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #6		

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	21.18	21.75	4,335.9	1,356.6	529.6	1,456.1	0.00	0.00	0.00
4,700.0	21.18	21.75	4,429.1	1,390.2	543.0	1,492.3	0.00	0.00	0.00
4,800.0	21.18	21.75	4,522.4	1,423.8	556.3	1,528.4	0.00	0.00	0.00
4,900.0	21.18	21.75	4,615.6	1,457.3	569.7	1,564.5	0.00	0.00	0.00
5,000.0	21.18	21.75	4,708.9	1,490.9	583.1	1,600.6	0.00	0.00	0.00
5,100.0	21.18	21.75	4,802.1	1,524.4	596.5	1,636.7	0.00	0.00	0.00
5,200.0	21.18	21.75	4,895.4	1,558.0	609.9	1,672.8	0.00	0.00	0.00
5,300.0	21.18	21.75	4,988.6	1,591.5	623.3	1,709.0	0.00	0.00	0.00
5,400.0	21.18	21.75	5,081.9	1,625.1	636.6	1,745.1	0.00	0.00	0.00
5,500.0	21.18	21.75	5,175.1	1,658.6	650.0	1,781.2	0.00	0.00	0.00
5,600.0	21.18	21.75	5,268.4	1,692.2	663.4	1,817.3	0.00	0.00	0.00
5,700.0	21.18	21.75	5,361.6	1,725.7	676.8	1,853.4	0.00	0.00	0.00
5,800.0	21.18	21.75	5,454.9	1,759.3	690.2	1,889.5	0.00	0.00	0.00
5,900.0	21.18	21.75	5,548.1	1,792.9	703.6	1,925.7	0.00	0.00	0.00
6,000.0	21.18	21.75	5,641.3	1,826.4	717.0	1,961.8	0.00	0.00	0.00
6,100.0	21.18	21.75	5,734.6	1,860.0	730.3	1,997.9	0.00	0.00	0.00
6,200.0	21.18	21.75	5,827.8	1,893.5	743.7	2,034.0	0.00	0.00	0.00
6,300.0	21.18	21.75	5,921.1	1,927.1	757.1	2,070.1	0.00	0.00	0.00
6,400.0	21.18	21.75	6,014.3	1,960.6	770.5	2,106.2	0.00	0.00	0.00
6,500.0	21.18	21.75	6,107.6	1,994.2	783.9	2,142.4	0.00	0.00	0.00
6,600.0	21.18	21.75	6,200.8	2,027.7	797.3	2,178.5	0.00	0.00	0.00
6,700.0	21.18	21.75	6,294.1	2,061.3	810.7	2,214.6	0.00	0.00	0.00
6,800.0	21.18	21.75	6,387.3	2,094.9	824.0	2,250.7	0.00	0.00	0.00
6,900.0	21.18	21.75	6,480.6	2,128.4	837.4	2,286.8	0.00	0.00	0.00
7,000.0	21.18	21.75	6,573.8	2,162.0	850.8	2,322.9	0.00	0.00	0.00
<b>Wasatch G</b>									
7,033.4	21.18	21.75	6,605.0	2,173.2	855.3	2,335.0	0.00	0.00	0.00
7,100.0	21.18	21.75	6,667.1	2,195.5	864.2	2,359.1	0.00	0.00	0.00
7,200.0	21.18	21.75	6,760.3	2,229.1	877.6	2,395.2	0.00	0.00	0.00
7,300.0	21.18	21.75	6,853.5	2,262.6	891.0	2,431.3	0.00	0.00	0.00
7,400.0	21.18	21.75	6,946.8	2,296.2	904.3	2,467.4	0.00	0.00	0.00
<b>Fort Union</b>									
7,473.1	21.18	21.75	7,015.0	2,320.7	914.1	2,493.8	0.00	0.00	0.00
7,500.0	21.18	21.75	7,040.0	2,329.7	917.7	2,503.5	0.00	0.00	0.00
7,600.0	21.18	21.75	7,133.3	2,363.3	931.1	2,539.6	0.00	0.00	0.00
7,700.0	21.18	21.75	7,226.5	2,396.9	944.5	2,575.7	0.00	0.00	0.00
7,800.0	21.18	21.75	7,319.8	2,430.4	957.9	2,611.9	0.00	0.00	0.00
7,900.0	21.18	21.75	7,413.0	2,464.0	971.3	2,648.0	0.00	0.00	0.00
8,000.0	21.18	21.75	7,506.3	2,497.5	984.7	2,684.1	0.00	0.00	0.00
8,100.0	21.18	21.75	7,599.5	2,531.1	998.0	2,720.2	0.00	0.00	0.00
8,200.0	21.18	21.75	7,692.8	2,564.6	1,011.4	2,756.3	0.00	0.00	0.00
8,300.0	21.18	21.75	7,786.0	2,598.2	1,024.8	2,792.4	0.00	0.00	0.00
8,400.0	21.18	21.75	7,879.3	2,631.7	1,038.2	2,828.6	0.00	0.00	0.00
8,500.0	21.18	21.75	7,972.5	2,665.3	1,051.6	2,864.7	0.00	0.00	0.00
8,600.0	21.18	21.75	8,065.8	2,698.8	1,065.0	2,900.8	0.00	0.00	0.00
8,700.0	21.18	21.75	8,159.0	2,732.4	1,078.4	2,936.9	0.00	0.00	0.00
8,800.0	21.18	21.75	8,252.2	2,766.0	1,091.7	2,973.0	0.00	0.00	0.00
8,900.0	21.18	21.75	8,345.5	2,799.5	1,105.1	3,009.1	0.00	0.00	0.00
<b>Drop 3° /100'</b>									
8,957.4	21.18	21.75	8,399.0	2,818.8	1,112.8	3,029.9	0.00	0.00	0.00
9,000.0	19.90	21.75	8,438.9	2,832.7	1,118.3	3,044.8	3.00	-3.00	0.00
9,100.0	16.90	21.75	8,533.8	2,862.0	1,130.0	3,076.4	3.00	-3.00	0.00
9,200.0	13.90	21.75	8,630.2	2,886.6	1,139.9	3,102.9	3.00	-3.00	0.00

<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well ELU A18 FED 14B-7-495 - Slot 14B-7
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Site:</b>	ELU A18 495 Pad	<b>North Reference:</b>	True
<b>Well:</b>	ELU A18 FED 14B-7-495	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #6		

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)	
9,300.0	10.90	21.75	8,727.8	2,906.6	1,147.8	3,124.4	3.00	-3.00	0.00	
9,400.0	7.90	21.75	8,826.5	2,921.7	1,153.9	3,140.7	3.00	-3.00	0.00	
9,500.0	4.90	21.75	8,925.8	2,932.1	1,158.0	3,151.8	3.00	-3.00	0.00	
9,600.0	1.90	21.75	9,025.7	2,937.6	1,160.2	3,157.8	3.00	-3.00	0.00	
EOD @ Vertical / Build 1.5° / 100' - Ohio Creek										
9,663.4	0.00	0.00	9,089.0	2,938.6	1,160.6	3,158.8	3.00	-3.00	0.00	
9,700.0	0.55	240.00	9,125.6	2,938.5	1,160.4	3,158.7	1.50	1.50	0.00	
EOB @ 1.27° Inc. / 240.00° Azm										
9,748.1	1.27	240.00	9,173.7	2,938.1	1,159.8	3,158.1	1.50	1.50	0.00	
9,800.0	1.27	240.00	9,225.6	2,937.5	1,158.8	3,157.2	0.00	0.00	0.00	
9,900.0	1.27	240.00	9,325.6	2,936.4	1,156.9	3,155.5	0.00	0.00	0.00	
10,000.0	1.27	240.00	9,425.6	2,935.3	1,154.9	3,153.8	0.00	0.00	0.00	
10,100.0	1.27	240.00	9,525.6	2,934.2	1,153.0	3,152.1	0.00	0.00	0.00	
10,200.0	1.27	240.00	9,625.5	2,933.1	1,151.1	3,150.4	0.00	0.00	0.00	
10,300.0	1.27	240.00	9,725.5	2,932.0	1,149.2	3,148.7	0.00	0.00	0.00	
Williams Fork										
10,313.5	1.27	240.00	9,739.0	2,931.8	1,148.9	3,148.4	0.00	0.00	0.00	
10,400.0	1.27	240.00	9,825.5	2,930.9	1,147.3	3,147.0	0.00	0.00	0.00	
10,500.0	1.27	240.00	9,925.5	2,929.8	1,145.3	3,145.3	0.00	0.00	0.00	
10,600.0	1.27	240.00	10,025.4	2,928.7	1,143.4	3,143.5	0.00	0.00	0.00	
10,700.0	1.27	240.00	10,125.4	2,927.6	1,141.5	3,141.8	0.00	0.00	0.00	
10,800.0	1.27	240.00	10,225.4	2,926.4	1,139.6	3,140.1	0.00	0.00	0.00	
10,900.0	1.27	240.00	10,325.4	2,925.3	1,137.7	3,138.4	0.00	0.00	0.00	
11,000.0	1.27	240.00	10,425.3	2,924.2	1,135.7	3,136.7	0.00	0.00	0.00	
11,100.0	1.27	240.00	10,525.3	2,923.1	1,133.8	3,135.0	0.00	0.00	0.00	
11,200.0	1.27	240.00	10,625.3	2,922.0	1,131.9	3,133.3	0.00	0.00	0.00	
11,300.0	1.27	240.00	10,725.3	2,920.9	1,130.0	3,131.6	0.00	0.00	0.00	
11,400.0	1.27	240.00	10,825.2	2,919.8	1,128.1	3,129.9	0.00	0.00	0.00	
11,500.0	1.27	240.00	10,925.2	2,918.7	1,126.1	3,128.2	0.00	0.00	0.00	
11,600.0	1.27	240.00	11,025.2	2,917.6	1,124.2	3,126.5	0.00	0.00	0.00	
11,700.0	1.27	240.00	11,125.2	2,916.5	1,122.3	3,124.8	0.00	0.00	0.00	
11,800.0	1.27	240.00	11,225.1	2,915.4	1,120.4	3,123.0	0.00	0.00	0.00	
11,900.0	1.27	240.00	11,325.1	2,914.3	1,118.5	3,121.3	0.00	0.00	0.00	
12,000.0	1.27	240.00	11,425.1	2,913.1	1,116.5	3,119.6	0.00	0.00	0.00	
12,100.0	1.27	240.00	11,525.1	2,912.0	1,114.6	3,117.9	0.00	0.00	0.00	
12,200.0	1.27	240.00	11,625.0	2,910.9	1,112.7	3,116.2	0.00	0.00	0.00	
12,300.0	1.27	240.00	11,725.0	2,909.8	1,110.8	3,114.5	0.00	0.00	0.00	
12,400.0	1.27	240.00	11,825.0	2,908.7	1,108.8	3,112.8	0.00	0.00	0.00	
12,500.0	1.27	240.00	11,925.0	2,907.6	1,106.9	3,111.1	0.00	0.00	0.00	
12,600.0	1.27	240.00	12,024.9	2,906.5	1,105.0	3,109.4	0.00	0.00	0.00	
12,700.0	1.27	240.00	12,124.9	2,905.4	1,103.1	3,107.7	0.00	0.00	0.00	
12,800.0	1.27	240.00	12,224.9	2,904.3	1,101.2	3,106.0	0.00	0.00	0.00	
12,900.0	1.27	240.00	12,324.9	2,903.2	1,099.2	3,104.2	0.00	0.00	0.00	
13,000.0	1.27	240.00	12,424.8	2,902.1	1,097.3	3,102.5	0.00	0.00	0.00	
13,100.0	1.27	240.00	12,524.8	2,900.9	1,095.4	3,100.8	0.00	0.00	0.00	
13,200.0	1.27	240.00	12,624.8	2,899.8	1,093.5	3,099.1	0.00	0.00	0.00	
Cameo										
13,214.2	1.27	240.00	12,639.0	2,899.7	1,093.2	3,098.9	0.00	0.00	0.00	
13,300.0	1.27	240.00	12,724.8	2,898.7	1,091.6	3,097.4	0.00	0.00	0.00	
13,400.0	1.27	240.00	12,824.7	2,897.6	1,089.6	3,095.7	0.00	0.00	0.00	
13,500.0	1.27	240.00	12,924.7	2,896.5	1,087.7	3,094.0	0.00	0.00	0.00	
13,600.0	1.27	240.00	13,024.7	2,895.4	1,085.8	3,092.3	0.00	0.00	0.00	
13,700.0	1.27	240.00	13,124.7	2,894.3	1,083.9	3,090.6	0.00	0.00	0.00	
Rollins										

<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well ELU A18 FED 14B-7-495 - Slot 14B-7
<b>Company:</b>	Caerus Oil & Gas	<b>TVD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Project:</b>	Rio Blanco County, CO	<b>MD Reference:</b>	RKB=30' @ 8059.0usft (TBD)
<b>Site:</b>	ELU A18 495 Pad	<b>North Reference:</b>	True
<b>Well:</b>	ELU A18 FED 14B-7-495	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #6		

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)	
13,714.3	1.27	240.00	13,139.0	2,894.1	1,083.6	3,090.3	0.00	0.00	0.00	
13,800.0	1.27	240.00	13,224.6	2,893.2	1,082.0	3,088.9	0.00	0.00	0.00	
13,900.0	1.27	240.00	13,324.6	2,892.1	1,080.0	3,087.2	0.00	0.00	0.00	
14,000.0	1.27	240.00	13,424.6	2,891.0	1,078.1	3,085.4	0.00	0.00	0.00	
14,100.0	1.27	240.00	13,524.6	2,889.9	1,076.2	3,083.7	0.00	0.00	0.00	
14,200.0	1.27	240.00	13,624.5	2,888.7	1,074.3	3,082.0	0.00	0.00	0.00	
<b>TD @ 14214.5' MD / 13639.0' TVD</b>										
14,214.5	1.27	240.00	13,639.0	2,888.6	1,074.0	3,081.8	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	
- hit/miss target										
- Shape										
14B-7 - OHCR	0.00	0.00	9,089.0	2,938.6	1,160.6	14,436,257.37	2,455,927.85	39.717185	-108.100224	
- plan hits target center										
- Point										
14B-7 - PBHL	0.00	0.00	13,639.0	2,888.6	1,074.0	14,436,204.60	2,455,842.90	39.717048	-108.100532	
- plan hits target center										
- Ellipse (radii L100.0 W50.0 on 240.00 azi)										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
4,298.8	4,055.0	Wasatch				
7,033.4	6,605.0	Wasatch G				
7,473.1	7,015.0	Fort Union				
9,663.4	9,089.0	Ohio Creek				
10,313.5	9,739.0	Williams Fork				
13,214.2	12,639.0	Cameo				
13,714.3	13,139.0	Rollins				

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
210.0	210.0	0.0	0.0	Build 3° / 100'	
376.7	376.5	7.3	0.2	EOB @ 5.00° Inc. / 1.75° Azm : Build 3° / 100'	
928.8	912.6	124.8	38.2	EOB @ 21.18° Inc. / 21.75° Azm	
8,957.4	8,399.0	2,818.8	1,112.8	Drop 3° / 100'	
9,663.4	9,089.0	2,938.6	1,160.6	EOD @ Vertical / Build 1.5° / 100'	
9,748.1	9,173.7	2,938.1	1,159.8	EOB @ 1.27° Inc. / 240.00° Azm	
14,214.5	13,639.0	2,888.6	1,074.0	TD @ 14214.5' MD / 13639.0' TVD	