



# **Laramie Energy, LLC**

**Mesa County, CO**

**Currier 0993-16-07 Pad**

**Currier BCU Fed 0993-16-12W - Slot 16-12W**

**OH**

**Plan: Design #3**

## **KLX Well Planning Report**

**23 September, 2025**





# Well Planning Report



<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well Currier BCU Fed 0993-16-12W - Slot 16-12W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	RKB=30' @ 7487.0usft (TBD)
<b>Project:</b>	Mesa County, CO	<b>MD Reference:</b>	RKB=30' @ 7487.0usft (TBD)
<b>Site:</b>	Currier 0993-16-07 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Currier BCU Fed 0993-16-12W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #3		

<b>Project</b>	Mesa County, CO		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Colorado Central Zone		

<b>Site</b>	Currier 0993-16-07 Pad				
<b>Site Position:</b>		<b>Northing:</b>	1,534,122.03 usft	<b>Latitude:</b>	39.277789
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,356,438.51 usft	<b>Longitude:</b>	-107.773701
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	-1.43 °

<b>Well</b>	Currier BCU Fed 0993-16-12W - Slot 16-12W					
<b>Well Position</b>	<b>+N/-S</b>	16.3 usft	<b>Northing:</b>	1,534,137.61 usft	<b>Latitude:</b>	39.277834
	<b>+E/-W</b>	29.4 usft	<b>Easting:</b>	2,356,468.35 usft	<b>Longitude:</b>	-107.773597
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	7,457.0 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>
	HDGM2025	7/13/2023	8.67	65.13	50,850.70000000

<b>Design</b>	Design #3			
<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	210.19

<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	
190.0	0.00	0.00	190.0	0.0	0.0	0.00	0.00	0.00	0.00	
440.0	5.00	235.00	439.7	-6.3	-8.9	2.00	2.00	0.00	235.00	
1,301.2	21.61	209.53	1,275.3	-167.0	-118.7	2.00	1.93	-2.96	-32.33	
5,126.8	21.61	209.53	4,832.0	-1,392.8	-813.1	0.00	0.00	0.00	0.00	
6,207.2	0.00	0.00	5,887.0	-1,568.0	-912.4	2.00	-2.00	0.00	180.00	
9,007.2	0.00	0.00	8,687.0	-1,568.0	-912.4	0.00	0.00	0.00	0.00	0.00 PBHL - Currier BCL



<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well Currier BCU Fed 0993-16-12W - Slot 16-12W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	RKB=30' @ 7487.0usft (TBD)
<b>Project:</b>	Mesa County, CO	<b>MD Reference:</b>	RKB=30' @ 7487.0usft (TBD)
<b>Site:</b>	Currier 0993-16-07 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Currier BCU Fed 0993-16-12W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #3		

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
<b>KOP (Build 2° / 100)</b>									
190.0	0.00	0.00	190.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.20	235.00	200.0	0.0	0.0	0.0	2.00	2.00	0.00
300.0	2.20	235.00	300.0	-1.2	-1.7	1.9	2.00	2.00	0.00
400.0	4.20	235.00	399.8	-4.4	-6.3	7.0	2.00	2.00	0.00
<b>EOB @ 5.00° Inc. / 235.00° Azm : Build 2° / 100'</b>									
440.0	5.00	235.00	439.7	-6.3	-8.9	9.9	2.00	2.00	0.00
500.0	6.05	228.90	499.4	-9.8	-13.5	15.3	2.00	1.75	-10.17
600.0	7.89	222.44	598.7	-18.4	-22.1	27.0	2.00	1.84	-6.46
700.0	9.80	218.45	697.5	-30.1	-32.0	42.1	2.00	1.90	-3.99
800.0	11.73	215.75	795.7	-45.0	-43.2	60.6	2.00	1.94	-2.70
900.0	13.69	213.81	893.3	-63.1	-55.7	82.6	2.00	1.95	-1.94
1,000.0	15.65	212.35	990.0	-84.3	-69.5	107.8	2.00	1.97	-1.46
1,100.0	17.63	211.21	1,085.8	-108.7	-84.6	136.5	2.00	1.97	-1.14
1,200.0	19.60	210.30	1,180.6	-136.1	-100.9	168.4	2.00	1.98	-0.92
<b>EOB @ 21.61° Inc. / 209.53° Azm</b>									
1,301.2	21.61	209.53	1,275.3	-167.0	-118.7	204.0	2.00	1.98	-0.75
1,400.0	21.61	209.53	1,367.1	-198.6	-136.6	240.4	0.00	0.00	0.00
<b>8-5/8" Surface Casing</b>									
1,500.0	21.61	209.53	1,460.1	-230.7	-154.8	277.2	0.00	0.00	0.00
1,600.0	21.61	209.53	1,553.1	-262.7	-172.9	314.0	0.00	0.00	0.00
1,700.0	21.61	209.53	1,646.1	-294.8	-191.1	350.9	0.00	0.00	0.00
1,800.0	21.61	209.53	1,739.0	-326.8	-209.2	387.7	0.00	0.00	0.00
1,900.0	21.61	209.53	1,832.0	-358.8	-227.4	424.5	0.00	0.00	0.00
2,000.0	21.61	209.53	1,925.0	-390.9	-245.5	461.3	0.00	0.00	0.00
2,100.0	21.61	209.53	2,017.9	-422.9	-263.7	498.2	0.00	0.00	0.00
2,200.0	21.61	209.53	2,110.9	-455.0	-281.8	535.0	0.00	0.00	0.00
2,300.0	21.61	209.53	2,203.9	-487.0	-300.0	571.8	0.00	0.00	0.00
2,400.0	21.61	209.53	2,296.9	-519.1	-318.1	608.6	0.00	0.00	0.00
2,500.0	21.61	209.53	2,389.8	-551.1	-336.3	645.5	0.00	0.00	0.00
2,600.0	21.61	209.53	2,482.8	-583.1	-354.4	682.3	0.00	0.00	0.00
2,700.0	21.61	209.53	2,575.8	-615.2	-372.6	719.1	0.00	0.00	0.00
2,800.0	21.61	209.53	2,668.7	-647.2	-390.7	755.9	0.00	0.00	0.00
<b>Wasatch 'G' Sand</b>									
2,876.6	21.61	209.53	2,740.0	-671.8	-404.7	784.2	0.00	0.00	0.00
2,900.0	21.61	209.53	2,761.7	-679.3	-408.9	792.8	0.00	0.00	0.00
3,000.0	21.61	209.53	2,854.7	-711.3	-427.0	829.6	0.00	0.00	0.00
3,100.0	21.61	209.53	2,947.7	-743.4	-445.2	866.4	0.00	0.00	0.00
3,200.0	21.61	209.53	3,040.6	-775.4	-463.4	903.2	0.00	0.00	0.00
3,300.0	21.61	209.53	3,133.6	-807.4	-481.5	940.1	0.00	0.00	0.00
<b>Fort Union</b>									
3,359.6	21.61	209.53	3,189.0	-826.5	-492.3	962.0	0.00	0.00	0.00
3,400.0	21.61	209.53	3,226.6	-839.5	-499.7	976.9	0.00	0.00	0.00
3,500.0	21.61	209.53	3,319.5	-871.5	-517.8	1,013.7	0.00	0.00	0.00
3,600.0	21.61	209.53	3,412.5	-903.6	-536.0	1,050.5	0.00	0.00	0.00
3,700.0	21.61	209.53	3,505.5	-935.6	-554.1	1,087.4	0.00	0.00	0.00
3,800.0	21.61	209.53	3,598.5	-967.7	-572.3	1,124.2	0.00	0.00	0.00
3,900.0	21.61	209.53	3,691.4	-999.7	-590.4	1,161.0	0.00	0.00	0.00
4,000.0	21.61	209.53	3,784.4	-1,031.8	-608.6	1,197.8	0.00	0.00	0.00
4,100.0	21.61	209.53	3,877.4	-1,063.8	-626.7	1,234.7	0.00	0.00	0.00



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<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #3		

## 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)
<b>Lower Wasatch</b>									
4,197.5	21.61	209.53	3,968.0	-1,095.0	-644.4	1,270.6	0.00	0.00	0.00
4,200.0	21.61	209.53	3,970.3	-1,095.8	-644.9	1,271.5	0.00	0.00	0.00
4,300.0	21.61	209.53	4,063.3	-1,127.9	-663.0	1,308.3	0.00	0.00	0.00
4,400.0	21.61	209.53	4,156.3	-1,159.9	-681.2	1,345.1	0.00	0.00	0.00
4,500.0	21.61	209.53	4,249.3	-1,192.0	-699.3	1,382.0	0.00	0.00	0.00
4,600.0	21.61	209.53	4,342.2	-1,224.0	-717.5	1,418.8	0.00	0.00	0.00
4,700.0	21.61	209.53	4,435.2	-1,256.1	-735.6	1,455.6	0.00	0.00	0.00
4,800.0	21.61	209.53	4,528.2	-1,288.1	-753.8	1,492.4	0.00	0.00	0.00
4,900.0	21.61	209.53	4,621.1	-1,320.1	-772.0	1,529.3	0.00	0.00	0.00
<b>Ohio Creek</b>									
4,978.4	21.61	209.53	4,694.0	-1,345.3	-786.2	1,558.1	0.00	0.00	0.00
5,000.0	21.61	209.53	4,714.1	-1,352.2	-790.1	1,566.1	0.00	0.00	0.00
5,100.0	21.61	209.53	4,807.1	-1,384.2	-808.3	1,602.9	0.00	0.00	0.00
<b>Drop 2° /100'</b>									
5,126.8	21.61	209.53	4,832.0	-1,392.8	-813.1	1,612.8	0.00	0.00	0.00
5,200.0	20.14	209.53	4,900.4	-1,415.5	-826.0	1,638.9	2.00	-2.00	0.00
5,300.0	18.14	209.53	4,994.9	-1,444.0	-842.1	1,671.7	2.00	-2.00	0.00
5,400.0	16.14	209.53	5,090.4	-1,469.7	-856.7	1,701.1	2.00	-2.00	0.00
<b>Williams Fork</b>									
5,417.3	15.80	209.53	5,107.0	-1,473.8	-859.0	1,705.9	2.00	-2.00	0.00
5,500.0	14.14	209.53	5,186.9	-1,492.4	-869.6	1,727.3	2.00	-2.00	0.00
5,600.0	12.14	209.53	5,284.3	-1,512.2	-880.8	1,750.0	2.00	-2.00	0.00
5,700.0	10.14	209.53	5,382.4	-1,529.0	-890.3	1,769.3	2.00	-2.00	0.00
5,800.0	8.14	209.53	5,481.1	-1,542.9	-898.1	1,785.2	2.00	-2.00	0.00
5,900.0	6.14	209.53	5,580.4	-1,553.7	-904.3	1,797.7	2.00	-2.00	0.00
6,000.0	4.14	209.53	5,679.9	-1,561.5	-908.7	1,806.6	2.00	-2.00	0.00
6,100.0	2.14	209.53	5,779.8	-1,566.2	-911.4	1,812.1	2.00	-2.00	0.00
<b>EOD @ Vertical - TOG</b>									
6,207.2	0.00	0.00	5,887.0	-1,568.0	-912.4	1,814.1	2.00	-2.00	0.00
6,300.0	0.00	0.00	5,979.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
6,400.0	0.00	0.00	6,079.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
6,500.0	0.00	0.00	6,179.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
6,600.0	0.00	0.00	6,279.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
6,700.0	0.00	0.00	6,379.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,479.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,579.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,679.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,779.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,200.0	0.00	0.00	6,879.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,300.0	0.00	0.00	6,979.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,400.0	0.00	0.00	7,079.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
<b>Cameo</b>									
7,471.2	0.00	0.00	7,151.0	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,500.0	0.00	0.00	7,179.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,600.0	0.00	0.00	7,279.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,700.0	0.00	0.00	7,379.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,479.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,579.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
<b>Rollins</b>									
7,969.2	0.00	0.00	7,649.0	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,679.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00



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<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #3		

## 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)
8,100.0	0.00	0.00	7,779.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,200.0	0.00	0.00	7,879.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,300.0	0.00	0.00	7,979.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,400.0	0.00	0.00	8,079.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
<b>Cozzette</b>									
8,499.2	0.00	0.00	8,179.0	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,179.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,279.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
<b>Corcoran</b>									
8,661.2	0.00	0.00	8,341.0	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,379.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,800.0	0.00	0.00	8,479.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
<b>Mancos</b>									
8,832.2	0.00	0.00	8,512.0	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,579.8	-1,568.0	-912.4	1,814.1	0.00	0.00	0.00
<b>TD @ 9007.2' MD / 8687.0' TVD</b>									
9,007.2	0.00	0.00	8,687.0	-1,568.0	-912.4	1,814.1	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
PBHL - Currier BCU F - hit/miss target - Shape - plan hits target center - Circle (radius 50.0)	0.00	0.00	8,687.0	-1,568.0	-912.4	1,532,592.94	2,355,517.03	39.273529	-107.776820

## Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
1,500.0	1,460.1	8-5/8" Surface Casing	8-5/8	11



# Well Planning Report



<b>Database:</b>	KLXDirectional-AD	<b>Local Co-ordinate Reference:</b>	Well Currier BCU Fed 0993-16-12W - Slot 16-12W
<b>Company:</b>	Laramie Energy, LLC	<b>TVD Reference:</b>	RKB=30' @ 7487.0usft (TBD)
<b>Project:</b>	Mesa County, CO	<b>MD Reference:</b>	RKB=30' @ 7487.0usft (TBD)
<b>Site:</b>	Currier 0993-16-07 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Currier BCU Fed 0993-16-12W	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Design #3		

## Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
2,876.6	2,740.0	Wasatch 'G' Sand			
3,359.6	3,189.0	Fort Union			
4,197.5	3,968.0	Lower Wasatch			
4,978.4	4,694.0	Ohio Creek			
5,417.3	5,107.0	Williams Fork			
6,207.2	5,887.0	TOG			
7,471.2	7,151.0	Cameo			
7,969.2	7,649.0	Rollins			
8,499.2	8,179.0	Cozzette			
8,661.2	8,341.0	Corcoran			
8,832.2	8,512.0	Mancos			

## Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
190.0	190.0	0.0	0.0	KOP (Build 2° / 100)
440.0	439.7	-6.3	-8.9	EOB @ 5.00° Inc. / 235.00° Azm : Build 2° / 100'
1,301.2	1,275.3	-167.0	-118.7	EOB @ 21.61° Inc. / 209.53° Azm
5,126.8	4,832.0	-1,392.8	-813.1	Drop 2° /100'
6,207.2	5,887.0	-1,568.0	-912.4	EOD @ Vertical
9,007.2	8,687.0	-1,568.0	-912.4	TD @ 9007.2' MD / 8687.0' TVD