



Laramie Energy, LLC

Mesa County, CO

Currier 0993-16-07 Pad

Currier BCU 0993-16-14W - Slot 16-14W

OH

Plan: Design #3

KLX Well Planning Report

23 September, 2025





Well Planning Report



Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well Currier BCU 0993-16-14W - Slot 16-14W
Company:	Laramie Energy, LLC	TVD Reference:	RKB=30' @ 7487.0usft (TBD)
Project:	Mesa County, CO	MD Reference:	RKB=30' @ 7487.0usft (TBD)
Site:	Currier 0993-16-07 Pad	North Reference:	True
Well:	Currier BCU 0993-16-14W	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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

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

Well	Currier BCU 0993-16-14W - Slot 16-14W					
Well Position	+N/-S	38.0 usft	Northing:	1,534,158.76 usft	Latitude:	39.277893
	+E/-W	50.2 usft	Easting:	2,356,489.63 usft	Longitude:	-107.773524
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	7,457.0 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	7/13/2023	8.67	65.13	50,850.70000000

Design	Design #3			
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	200.15

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	
200.0	0.00	0.00	200.0	0.0	0.0	0.00	0.00	0.00	0.00	
480.0	7.00	175.00	479.3	-17.0	1.5	2.50	2.50	0.00	175.00	
1,521.2	32.17	200.90	1,453.5	-344.8	-93.5	2.50	2.42	2.49	32.00	
5,295.9	32.17	200.90	4,648.9	-2,222.2	-810.3	0.00	0.00	0.00	0.00	
6,582.6	0.00	0.00	5,869.0	-2,550.8	-935.8	2.50	-2.50	0.00	180.00	
9,382.6	0.00	0.00	8,669.0	-2,550.8	-935.8	0.00	0.00	0.00	0.00	0.00 PBHL - Currier BCL



Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well Currier BCU 0993-16-14W - Slot 16-14W
Company:	Laramie Energy, LLC	TVD Reference:	RKB=30' @ 7487.0usft (TBD)
Project:	Mesa County, CO	MD Reference:	RKB=30' @ 7487.0usft (TBD)
Site:	Currier 0993-16-07 Pad	North Reference:	True
Well:	Currier BCU 0993-16-14W	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	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	
KOP (Build 2.5° / 100)										
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	2.50	175.00	300.0	-2.2	0.2	2.0	2.50	2.50	0.00	
400.0	5.00	175.00	399.7	-8.7	0.8	7.9	2.50	2.50	0.00	
EOB @ 7.00° Inc. / 175.00° Azm : Build 2.5° / 100'										
480.0	7.00	175.00	479.3	-17.0	1.5	15.5	2.50	2.50	0.00	
500.0	7.43	177.05	499.1	-19.5	1.7	17.8	2.50	2.14	10.25	
600.0	9.68	184.50	598.0	-34.4	1.3	31.8	2.50	2.25	7.45	
700.0	12.02	189.11	696.2	-53.0	-1.0	50.1	2.50	2.35	4.62	
800.0	14.42	192.23	793.6	-75.5	-5.3	72.7	2.50	2.40	3.11	
900.0	16.85	194.46	889.9	-101.7	-11.5	99.4	2.50	2.43	2.24	
1,000.0	19.29	196.15	984.9	-131.6	-19.7	130.3	2.50	2.44	1.69	
1,100.0	21.75	197.47	1,078.6	-165.1	-29.9	165.3	2.50	2.46	1.32	
1,200.0	24.21	198.53	1,170.6	-202.2	-42.0	204.3	2.50	2.47	1.06	
1,300.0	26.68	199.41	1,260.9	-242.9	-55.9	247.3	2.50	2.47	0.88	
1,400.0	29.16	200.14	1,349.3	-286.9	-71.8	294.1	2.50	2.48	0.74	
8-5/8" Surface Casing										
1,500.0	31.64	200.78	1,435.5	-334.3	-89.5	344.7	2.50	2.48	0.63	
EOB @ 32.17° Inc. / 200.90° Azm										
1,521.2	32.17	200.90	1,453.5	-344.8	-93.5	355.9	2.50	2.48	0.58	
1,600.0	32.17	200.90	1,520.2	-384.0	-108.4	397.8	0.00	0.00	0.00	
1,700.0	32.17	200.90	1,604.9	-433.7	-127.4	451.1	0.00	0.00	0.00	
1,800.0	32.17	200.90	1,689.5	-483.5	-146.4	504.3	0.00	0.00	0.00	
1,900.0	32.17	200.90	1,774.2	-533.2	-165.4	557.5	0.00	0.00	0.00	
2,000.0	32.17	200.90	1,858.8	-582.9	-184.4	610.8	0.00	0.00	0.00	
2,100.0	32.17	200.90	1,943.5	-632.7	-203.4	664.0	0.00	0.00	0.00	
2,200.0	32.17	200.90	2,028.1	-682.4	-222.4	717.2	0.00	0.00	0.00	
2,300.0	32.17	200.90	2,112.8	-732.1	-241.4	770.5	0.00	0.00	0.00	
2,400.0	32.17	200.90	2,197.4	-781.9	-260.4	823.7	0.00	0.00	0.00	
2,500.0	32.17	200.90	2,282.1	-831.6	-279.4	876.9	0.00	0.00	0.00	
2,600.0	32.17	200.90	2,366.7	-881.4	-298.3	930.2	0.00	0.00	0.00	
2,700.0	32.17	200.90	2,451.4	-931.1	-317.3	983.4	0.00	0.00	0.00	
2,800.0	32.17	200.90	2,536.0	-980.8	-336.3	1,036.6	0.00	0.00	0.00	
2,900.0	32.17	200.90	2,620.7	-1,030.6	-355.3	1,089.9	0.00	0.00	0.00	
3,000.0	32.17	200.90	2,705.3	-1,080.3	-374.3	1,143.1	0.00	0.00	0.00	
Wasatch 'G' Sand										
3,019.7	32.17	200.90	2,722.0	-1,090.1	-378.0	1,153.6	0.00	0.00	0.00	
3,100.0	32.17	200.90	2,790.0	-1,130.0	-393.3	1,196.3	0.00	0.00	0.00	
3,200.0	32.17	200.90	2,874.6	-1,179.8	-412.3	1,249.6	0.00	0.00	0.00	
3,300.0	32.17	200.90	2,959.3	-1,229.5	-431.3	1,302.8	0.00	0.00	0.00	
3,400.0	32.17	200.90	3,043.9	-1,279.2	-450.3	1,356.0	0.00	0.00	0.00	
3,500.0	32.17	200.90	3,128.6	-1,329.0	-469.3	1,409.3	0.00	0.00	0.00	
Fort Union										
3,550.1	32.17	200.90	3,171.0	-1,353.9	-478.8	1,435.9	0.00	0.00	0.00	
3,600.0	32.17	200.90	3,213.2	-1,378.7	-488.2	1,462.5	0.00	0.00	0.00	
3,700.0	32.17	200.90	3,297.9	-1,428.4	-507.2	1,515.7	0.00	0.00	0.00	
3,800.0	32.17	200.90	3,382.5	-1,478.2	-526.2	1,569.0	0.00	0.00	0.00	
3,900.0	32.17	200.90	3,467.2	-1,527.9	-545.2	1,622.2	0.00	0.00	0.00	
4,000.0	32.17	200.90	3,551.9	-1,577.7	-564.2	1,675.4	0.00	0.00	0.00	
4,100.0	32.17	200.90	3,636.5	-1,627.4	-583.2	1,728.7	0.00	0.00	0.00	



Well Planning Report



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Wellbore:	OH		
Design:	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)
4,200.0	32.17	200.90	3,721.2	-1,677.1	-602.2	1,781.9	0.00	0.00	0.00
4,300.0	32.17	200.90	3,805.8	-1,726.9	-621.2	1,835.1	0.00	0.00	0.00
4,400.0	32.17	200.90	3,890.5	-1,776.6	-640.2	1,888.4	0.00	0.00	0.00
Lower Wasatch									
4,470.3	32.17	200.90	3,950.0	-1,811.6	-653.5	1,925.8	0.00	0.00	0.00
4,500.0	32.17	200.90	3,975.1	-1,826.3	-659.2	1,941.6	0.00	0.00	0.00
4,600.0	32.17	200.90	4,059.8	-1,876.1	-678.1	1,994.8	0.00	0.00	0.00
4,700.0	32.17	200.90	4,144.4	-1,925.8	-697.1	2,048.1	0.00	0.00	0.00
4,800.0	32.17	200.90	4,229.1	-1,975.5	-716.1	2,101.3	0.00	0.00	0.00
4,900.0	32.17	200.90	4,313.7	-2,025.3	-735.1	2,154.5	0.00	0.00	0.00
5,000.0	32.17	200.90	4,398.4	-2,075.0	-754.1	2,207.8	0.00	0.00	0.00
5,100.0	32.17	200.90	4,483.0	-2,124.7	-773.1	2,261.0	0.00	0.00	0.00
5,200.0	32.17	200.90	4,567.7	-2,174.5	-792.1	2,314.2	0.00	0.00	0.00
Drop 2.5° /100'									
5,295.9	32.17	200.90	4,648.9	-2,222.2	-810.3	2,365.3	0.00	0.00	0.00
5,300.0	32.07	200.90	4,652.3	-2,224.2	-811.1	2,367.5	2.50	-2.50	0.00
Ohio Creek									
5,327.8	31.37	200.90	4,676.0	-2,237.9	-816.3	2,382.1	2.50	-2.50	0.00
5,400.0	29.57	200.90	4,738.2	-2,272.1	-829.3	2,418.7	2.50	-2.50	0.00
5,500.0	27.07	200.90	4,826.2	-2,316.4	-846.3	2,466.1	2.50	-2.50	0.00
5,600.0	24.57	200.90	4,916.2	-2,357.1	-861.8	2,509.7	2.50	-2.50	0.00
5,700.0	22.07	200.90	5,008.1	-2,394.0	-875.9	2,549.2	2.50	-2.50	0.00
Williams Fork									
5,786.7	19.90	200.90	5,089.0	-2,423.0	-887.0	2,580.3	2.50	-2.50	0.00
5,800.0	19.57	200.90	5,101.5	-2,427.2	-888.6	2,584.8	2.50	-2.50	0.00
5,900.0	17.07	200.90	5,196.4	-2,456.6	-899.8	2,616.2	2.50	-2.50	0.00
6,000.0	14.57	200.90	5,292.7	-2,482.0	-909.5	2,643.4	2.50	-2.50	0.00
6,100.0	12.07	200.90	5,390.0	-2,503.6	-917.7	2,666.5	2.50	-2.50	0.00
6,200.0	9.57	200.90	5,488.2	-2,521.1	-924.4	2,685.2	2.50	-2.50	0.00
6,300.0	7.07	200.90	5,587.1	-2,534.6	-929.6	2,699.7	2.50	-2.50	0.00
6,400.0	4.57	200.90	5,686.6	-2,544.1	-933.2	2,709.8	2.50	-2.50	0.00
6,500.0	2.07	200.90	5,786.4	-2,549.5	-935.3	2,715.6	2.50	-2.50	0.00
EOD @ Vertical - TOG									
6,582.6	0.00	0.00	5,869.0	-2,550.8	-935.8	2,717.1	2.50	-2.50	0.00
6,600.0	0.00	0.00	5,886.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
6,700.0	0.00	0.00	5,986.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
6,800.0	0.00	0.00	6,086.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
6,900.0	0.00	0.00	6,186.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,000.0	0.00	0.00	6,286.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,100.0	0.00	0.00	6,386.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,200.0	0.00	0.00	6,486.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,300.0	0.00	0.00	6,586.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,400.0	0.00	0.00	6,686.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,500.0	0.00	0.00	6,786.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,600.0	0.00	0.00	6,886.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,700.0	0.00	0.00	6,986.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,800.0	0.00	0.00	7,086.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
Cameo									
7,845.6	0.00	0.00	7,132.0	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
7,900.0	0.00	0.00	7,186.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
8,000.0	0.00	0.00	7,286.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00
8,100.0	0.00	0.00	7,386.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00



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Wellbore:	OH		
Design:	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)	
8,200.0	0.00	0.00	7,486.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,300.0	0.00	0.00	7,586.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
Rollins										
8,343.6	0.00	0.00	7,630.0	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,400.0	0.00	0.00	7,686.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,500.0	0.00	0.00	7,786.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,600.0	0.00	0.00	7,886.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,700.0	0.00	0.00	7,986.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,086.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
Cozzette										
8,873.6	0.00	0.00	8,160.0	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,186.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,286.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
Corcoran										
9,035.6	0.00	0.00	8,322.0	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,386.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
9,200.0	0.00	0.00	8,486.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
Mancos										
9,207.6	0.00	0.00	8,494.0	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
9,300.0	0.00	0.00	8,586.4	-2,550.8	-935.8	2,717.1	0.00	0.00	0.00	
TD @ 9382.6' MD / 8669.0' TVD										
9,382.6	0.00	0.00	8,669.0	-2,550.8	-935.8	2,717.1	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 0	0.00	0.00	8,669.0	-2,550.8	-935.8	1,531,632.13	2,355,490.31	39.270890	-107.776829	
- hit/miss target										
- Shape										
- plan hits target center										
- Circle (radius 50.0)										

Casing Points						
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")		
1,500.0	1,435.5	8-5/8" Surface Casing	8-5/8	11		



Well Planning Report



Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well Currier BCU 0993-16-14W - Slot 16-14W
Company:	Laramie Energy, LLC	TVD Reference:	RKB=30' @ 7487.0usft (TBD)
Project:	Mesa County, CO	MD Reference:	RKB=30' @ 7487.0usft (TBD)
Site:	Currier 0993-16-07 Pad	North Reference:	True
Well:	Currier BCU 0993-16-14W	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,019.7	2,722.0	Wasatch 'G' Sand			
3,550.1	3,171.0	Fort Union			
4,470.3	3,950.0	Lower Wasatch			
5,327.8	4,676.0	Ohio Creek			
5,786.7	5,089.0	Williams Fork			
6,582.6	5,869.0	TOG			
7,845.6	7,132.0	Cameo			
8,343.6	7,630.0	Rollins			
8,873.6	8,160.0	Cozzette			
9,035.6	8,322.0	Corcoran			
9,207.6	8,494.0	Mancos			
9,382.6	8,669.0	TD			

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
200.0	200.0	0.0	0.0	KOP (Build 2.5° / 100)
480.0	479.3	-17.0	1.5	EOB @ 7.00° Inc. / 175.00° Azm : Build 2.5° / 100'
1,521.2	1,453.5	-344.8	-93.5	EOB @ 32.17° Inc. / 200.90° Azm
5,295.9	4,648.9	-2,222.2	-810.3	Drop 2.5° /100'
6,582.6	5,869.0	-2,550.8	-935.8	EOD @ Vertical
9,382.6	8,669.0	-2,550.8	-935.8	TD @ 9382.6' MD / 8669.0' TVD