



Laramie Energy, LLC

Mesa County, CO

Currier 0993-16-07 Pad

Currier 0993-16-01M - Slot 16-01M

OH

Plan: Design #3

KLX Well Planning Report

23 September, 2025





Well Planning Report



Database:	KLXDirectional-AD	Local Co-ordinate Reference:	Well Currier 0993-16-01M - Slot 16-01M
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 0993-16-01M	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 0993-16-01M - Slot 16-01M					
Well Position	+N/-S	81.0 usft	Northing:	1,534,201.08 usft	Latitude:	39.278012
	+E/-W	77.6 usft	Easting:	2,356,518.07 usft	Longitude:	-107.773427
Position Uncertainty		0.0 usft	Wellhead Elevation:		Ground Level:	7,457.0 usft

Wellbore	OH				
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	7/13/2023	8.67	65.13	50,850.10000000

Design	Design #3			
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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	351.15

Plan Sections										
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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	
600.0	8.00	5.00	598.7	27.8	2.4	2.00	2.00	0.00	5.00	
1,472.9	25.10	350.52	1,432.6	272.8	-23.0	2.00	1.96	-1.66	-20.70	
5,013.5	25.10	350.52	4,639.0	1,753.9	-270.2	0.00	0.00	0.00	0.00	
6,268.2	0.00	0.00	5,854.0	2,020.7	-314.7	2.00	-2.00	0.00	180.00	
9,067.2	0.00	0.00	8,653.0	2,020.7	-314.7	0.00	0.00	0.00	0.00	PBHL - Currier 099:



Well Planning Report



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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 0993-16-01M	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
Build 2° / 100'									
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	2.00	5.00	300.0	1.7	0.2	1.7	2.00	2.00	0.00
400.0	4.00	5.00	399.8	7.0	0.6	6.8	2.00	2.00	0.00
500.0	6.00	5.00	499.5	15.6	1.4	15.2	2.00	2.00	0.00
EOB @ 8.00° Inc. / 5.00° Azm : Build 2° / 100'									
600.0	8.00	5.00	598.7	27.8	2.4	27.1	2.00	2.00	0.00
700.0	9.90	0.88	697.5	43.3	3.2	42.3	2.00	1.90	-4.12
800.0	11.83	358.09	795.7	62.1	3.0	60.9	2.00	1.93	-2.79
900.0	13.78	356.07	893.2	84.3	1.8	83.0	2.00	1.95	-2.02
1,000.0	15.74	354.55	989.9	109.6	-0.3	108.4	2.00	1.96	-1.52
1,100.0	17.71	353.36	1,085.7	138.2	-3.3	137.1	2.00	1.97	-1.19
1,200.0	19.68	352.40	1,180.4	170.1	-7.3	169.2	2.00	1.98	-0.96
1,300.0	21.67	351.61	1,273.9	205.0	-12.3	204.5	2.00	1.98	-0.79
1,400.0	23.65	350.94	1,366.2	243.1	-18.1	243.0	2.00	1.98	-0.66
EOB @ 25.10° Inc. / 350.52° Azm									
1,472.9	25.10	350.52	1,432.6	272.8	-23.0	273.0	2.00	1.99	-0.58
8-5/8" Surface Casing									
1,500.0	25.10	350.52	1,457.2	284.1	-24.8	284.5	0.00	0.00	0.00
1,600.0	25.10	350.52	1,547.7	325.9	-31.8	327.0	0.00	0.00	0.00
1,700.0	25.10	350.52	1,638.3	367.8	-38.8	369.4	0.00	0.00	0.00
1,800.0	25.10	350.52	1,728.8	409.6	-45.8	411.8	0.00	0.00	0.00
1,900.0	25.10	350.52	1,819.4	451.4	-52.8	454.2	0.00	0.00	0.00
2,000.0	25.10	350.52	1,910.0	493.3	-59.8	496.6	0.00	0.00	0.00
2,100.0	25.10	350.52	2,000.5	535.1	-66.7	539.0	0.00	0.00	0.00
2,200.0	25.10	350.52	2,091.1	576.9	-73.7	581.4	0.00	0.00	0.00
2,300.0	25.10	350.52	2,181.6	618.8	-80.7	623.8	0.00	0.00	0.00
2,400.0	25.10	350.52	2,272.2	660.6	-87.7	666.2	0.00	0.00	0.00
2,500.0	25.10	350.52	2,362.8	702.5	-94.7	708.7	0.00	0.00	0.00
2,600.0	25.10	350.52	2,453.3	744.3	-101.7	751.1	0.00	0.00	0.00
2,700.0	25.10	350.52	2,543.9	786.1	-108.6	793.5	0.00	0.00	0.00
2,800.0	25.10	350.52	2,634.4	828.0	-115.6	835.9	0.00	0.00	0.00
Wasatch 'G' Sand									
2,880.1	25.10	350.52	2,707.0	861.5	-121.2	869.9	0.00	0.00	0.00
2,900.0	25.10	350.52	2,725.0	869.8	-122.6	878.3	0.00	0.00	0.00
3,000.0	25.10	350.52	2,815.6	911.6	-129.6	920.7	0.00	0.00	0.00
3,100.0	25.10	350.52	2,906.1	953.5	-136.6	963.1	0.00	0.00	0.00
3,200.0	25.10	350.52	2,996.7	995.3	-143.6	1,005.5	0.00	0.00	0.00
3,300.0	25.10	350.52	3,087.2	1,037.1	-150.5	1,047.9	0.00	0.00	0.00
Fort Union									
3,375.9	25.10	350.52	3,156.0	1,068.9	-155.9	1,080.1	0.00	0.00	0.00
3,400.0	25.10	350.52	3,177.8	1,079.0	-157.5	1,090.3	0.00	0.00	0.00
3,500.0	25.10	350.52	3,268.4	1,120.8	-164.5	1,132.8	0.00	0.00	0.00
3,600.0	25.10	350.52	3,358.9	1,162.6	-171.5	1,175.2	0.00	0.00	0.00
3,700.0	25.10	350.52	3,449.5	1,204.5	-178.5	1,217.6	0.00	0.00	0.00
3,800.0	25.10	350.52	3,540.0	1,246.3	-185.5	1,260.0	0.00	0.00	0.00
3,900.0	25.10	350.52	3,630.6	1,288.1	-192.5	1,302.4	0.00	0.00	0.00
4,000.0	25.10	350.52	3,721.2	1,330.0	-199.4	1,344.8	0.00	0.00	0.00
4,100.0	25.10	350.52	3,811.7	1,371.8	-206.4	1,387.2	0.00	0.00	0.00
4,200.0	25.10	350.52	3,902.3	1,413.6	-213.4	1,429.6	0.00	0.00	0.00
Lower Wasatch									



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Well:	Currier 0993-16-01M	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)
4,235.0	25.10	350.52	3,934.0	1,428.3	-215.8	1,444.5	0.00	0.00	0.00
4,300.0	25.10	350.52	3,992.8	1,455.5	-220.4	1,472.0	0.00	0.00	0.00
4,400.0	25.10	350.52	4,083.4	1,497.3	-227.4	1,514.5	0.00	0.00	0.00
4,500.0	25.10	350.52	4,174.0	1,539.1	-234.4	1,556.9	0.00	0.00	0.00
4,600.0	25.10	350.52	4,264.5	1,581.0	-241.3	1,599.3	0.00	0.00	0.00
4,700.0	25.10	350.52	4,355.1	1,622.8	-248.3	1,641.7	0.00	0.00	0.00
4,800.0	25.10	350.52	4,445.6	1,664.6	-255.3	1,684.1	0.00	0.00	0.00
4,900.0	25.10	350.52	4,536.2	1,706.5	-262.3	1,726.5	0.00	0.00	0.00
5,000.0	25.10	350.52	4,626.8	1,748.3	-269.3	1,768.9	0.00	0.00	0.00
Drop 2° /100'									
5,013.5	25.10	350.52	4,639.0	1,753.9	-270.2	1,774.6	0.00	0.00	0.00
Ohio Creek									
5,036.7	24.63	350.52	4,660.0	1,763.6	-271.8	1,784.4	2.00	-2.00	0.00
5,100.0	23.36	350.52	4,717.9	1,789.0	-276.1	1,810.1	2.00	-2.00	0.00
5,200.0	21.36	350.52	4,810.3	1,826.5	-282.3	1,848.2	2.00	-2.00	0.00
5,300.0	19.36	350.52	4,904.1	1,860.8	-288.1	1,883.0	2.00	-2.00	0.00
5,400.0	17.36	350.52	4,999.0	1,891.9	-293.2	1,914.5	2.00	-2.00	0.00
Williams Fork									
5,478.3	15.80	350.52	5,074.0	1,913.9	-296.9	1,936.8	2.00	-2.00	0.00
5,500.0	15.36	350.52	5,094.9	1,919.7	-297.9	1,942.7	2.00	-2.00	0.00
5,600.0	13.36	350.52	5,191.8	1,944.2	-302.0	1,967.5	2.00	-2.00	0.00
5,700.0	11.36	350.52	5,289.5	1,965.3	-305.5	1,988.9	2.00	-2.00	0.00
5,800.0	9.36	350.52	5,387.8	1,983.0	-308.5	2,006.9	2.00	-2.00	0.00
5,900.0	7.36	350.52	5,486.8	1,997.4	-310.8	2,021.4	2.00	-2.00	0.00
6,000.0	5.36	350.52	5,586.1	2,008.3	-312.7	2,032.5	2.00	-2.00	0.00
6,100.0	3.36	350.52	5,685.8	2,015.8	-313.9	2,040.1	2.00	-2.00	0.00
6,200.0	1.36	350.52	5,785.8	2,019.9	-314.6	2,044.2	2.00	-2.00	0.00
EOD @ Vertical - TOG									
6,268.2	0.00	0.00	5,854.0	2,020.7	-314.7	2,045.0	2.00	-2.00	13.89
6,300.0	0.00	0.00	5,885.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
6,400.0	0.00	0.00	5,985.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,085.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,185.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,285.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,385.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,485.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,000.0	0.00	0.00	6,585.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,100.0	0.00	0.00	6,685.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,200.0	0.00	0.00	6,785.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,300.0	0.00	0.00	6,885.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,400.0	0.00	0.00	6,985.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,085.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
Cameo									
7,531.2	0.00	0.00	7,117.0	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,185.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,285.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,385.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,485.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
8,000.0	0.00	0.00	7,585.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
Rollins									
8,029.2	0.00	0.00	7,615.0	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
8,100.0	0.00	0.00	7,685.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00
8,200.0	0.00	0.00	7,785.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00



Well Planning Report



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Well:	Currier 0993-16-01M	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)	
8,300.0	0.00	0.00	7,885.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
8,400.0	0.00	0.00	7,985.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,085.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
Cozzette										
8,559.2	0.00	0.00	8,145.0	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,185.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,285.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
Corcoran										
8,721.2	0.00	0.00	8,307.0	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,385.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
Mancos										
8,892.2	0.00	0.00	8,478.0	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,485.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,585.8	2,020.7	-314.7	2,045.0	0.00	0.00	0.00	
TD @ 9067.2' MD / 8653.0' TVD										
9,067.2	0.00	0.00	8,653.0	2,020.7	-314.7	2,045.0	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 0993-1	0.00	0.00	8,653.0	2,020.7	-314.7	1,536,229.00	2,356,254.00	39.283559	-107.774539	
- 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	1,457.2	8-5/8" Surface Casing	8-5/8	11	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
2,880.1	2,707.0	Wasatch 'G' Sand				
3,375.9	3,156.0	Fort Union				
4,235.0	3,934.0	Lower Wasatch				
5,036.7	4,660.0	Ohio Creek				
5,478.3	5,074.0	Williams Fork				
6,268.2	5,854.0	TOG				
7,531.2	7,117.0	Cameo				
8,029.2	7,615.0	Rollins				
8,559.2	8,145.0	Cozzette				
8,721.2	8,307.0	Corcoran				
8,892.2	8,478.0	Mancos				



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Project:	Mesa County, CO	MD Reference:	RKB=30' @ 7487.0usft (TBD)
Site:	Currier 0993-16-07 Pad	North Reference:	True
Well:	Currier 0993-16-01M	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Design #3		

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	Build 2° / 100'
600.0	598.7	27.8	2.4	EOB @ 8.00° Inc. / 5.00° Azm : Build 2° / 100'
1,472.9	1,432.6	272.8	-23.0	EOB @ 25.10° Inc. / 350.52° Azm
5,013.5	4,639.0	1,753.9	-270.2	Drop 2° /100'
6,268.2	5,854.0	2,020.7	-314.7	EOD @ Vertical
9,067.2	8,653.0	2,020.7	-314.7	TD @ 9067.2' MD / 8653.0' TVD