



# **Laramie Energy, LLC**

**Garfield County, CO**

**CC 0604-15-08 Pad**

**CC 0697-10-13E - Slot B-7**

**B-7**

**Design: B-7**

## **KLX Survey Certification Report**

**13 June, 2025**



## KLX Directional Drilling, INC.

11390 FM 830  
Willis, TX 77318  
Phone: (936) 856-4332  
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### Survey Certification Sheet

Company	Job Number	Date
Laramie Energy LLC	RM-250177	6/13/2025

Lease	Well Name	County & State
SENE 15 6S97W 6	CC 0697-10-13E	Garfield, CO

API No.	Survey Depth Range	Survey Type
05-045-24530	291 feet to 9963 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
<a href="#">Click here to enter text.</a>	Bob Stahlecker

### Certification Statement

The data and calculations for this survey have been checked by me and conform to the standards and procedures set forth by KLX Directional Drilling. This report represents a true and correct directional survey of this well based on the original data obtained at the well site. Wellbore coordinates are calculated using minimum curvature.

Kristopher Ray  
Regulatory Compliance Manager  
KLX Directional Drilling, Inc.



# KLX Directional Drilling

## KLX Survey Certification Report



<b>Company:</b> Laramie Energy, LLC	<b>Local Co-ordinate Reference:</b> Well CC 0697-10-13E - Slot B-7
<b>Project:</b> Garfield County, CO	<b>TVD Reference:</b> RKB=30' @ 8533.0usft (H&P #542)
<b>Site:</b> CC 0604-15-08 Pad	<b>MD Reference:</b> RKB=30' @ 8533.0usft (H&P #542)
<b>Well:</b> CC 0697-10-13E	<b>North Reference:</b> True
<b>Wellbore:</b> B-7	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> B-7	<b>Database:</b> KLXDirectional-AD

<b>Project</b> Garfield 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> CC 0604-15-08 Pad				
<b>Site Position:</b>	<b>Northing:</b>	1,627,831.19 usft	<b>Latitude:</b>	39.526131
<b>From:</b> Lat/Long	<b>Easting:</b>	2,238,751.92 usft	<b>Longitude:</b>	-108.199096
<b>Position Uncertainty:</b> 0.0 usft	<b>Slot Radius:</b> 13-3/16"		<b>Grid Convergence:</b>	-1.70 °

<b>Well</b> CC 0697-10-13E - Slot B-7				
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	1,627,855.38 usft
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,238,769.66 usft
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	usft
			<b>Latitude:</b>	39.526199
			<b>Longitude:</b>	-108.199036
			<b>Ground Level:</b>	8,503.0 usft

<b>Wellbore</b> B-7					
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	HDGM2025	6/10/2025	8.97	65.47	50,785.50000000

<b>Design</b> B-7				
<b>Audit Notes:</b>				
<b>Version:</b> 1.0	<b>Phase:</b> ACTUAL	<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	358.66

<b>Survey Program</b>		<b>Date</b> 6/13/2025
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>
291.0	9,963.0	KLX MWD (B-7)
		<b>Tool Name</b>
		OWSG (REV5) MWD HDGM
		<b>Description</b>
		OWSG MWD - Standard

<b>Survey</b>								
<b>MD (usft)</b>	<b>Inc (°)</b>	<b>Azi (azimuth) (°)</b>	<b>TVD (usft)</b>	<b>N/S (usft)</b>	<b>E/W (usft)</b>	<b>Closure Distance (usft)</b>	<b>Closure Azimuth (°)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.0	0.00
291.0	4.40	3.40	290.7	11.1	0.7	11.2	3.40	
<b>First MWD Survey @ 291.0' MD / 290.7' TVD</b>								
380.0	6.50	352.10	379.3	19.5	0.2	19.5	0.51	
472.0	9.20	347.30	470.4	31.9	-2.2	32.0	356.12	
564.0	10.90	346.00	561.0	47.5	-5.9	47.9	352.94	
655.0	11.20	339.50	650.3	64.1	-11.1	65.1	350.22	
746.0	11.70	338.50	739.5	81.0	-17.5	82.9	347.78	
840.0	13.30	344.40	831.3	100.3	-23.9	103.1	346.57	
935.0	14.60	345.20	923.5	122.4	-29.9	126.0	346.25	
1,029.0	15.60	345.30	1,014.3	146.1	-36.2	150.5	346.09	
1,124.0	15.80	343.80	1,105.7	170.8	-43.0	176.2	345.87	



# KLX Directional Drilling

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<b>Site:</b>	CC 0604-15-08 Pad	<b>MD Reference:</b>	RKB=30' @ 8533.0usft (H&P #542)
<b>Well:</b>	CC 0697-10-13E	<b>North Reference:</b>	True
<b>Wellbore:</b>	B-7	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	B-7	<b>Database:</b>	KLXDirectional-AD

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)		
1,218.0	15.90	343.80	1,196.1	195.5	-50.2	201.8	345.60		
1,312.0	16.30	350.40	1,286.5	220.9	-56.0	227.8	345.78		
1,406.0	17.20	355.00	1,376.5	247.7	-59.4	254.7	346.52		
1,501.0	17.30	356.20	1,467.2	275.8	-61.5	282.6	347.42		
1,595.0	17.00	354.10	1,557.0	303.4	-63.9	310.1	348.11		
1,690.0	18.80	351.10	1,647.4	332.4	-67.7	339.2	348.49		
1,784.0	18.40	348.70	1,736.5	361.9	-72.9	369.1	348.61		
1,878.0	18.20	347.40	1,825.8	390.7	-79.0	398.7	348.56		
1,972.0	19.00	348.50	1,914.8	420.1	-85.3	428.6	348.52		
2,067.0	19.10	349.80	2,004.6	450.5	-91.1	459.6	348.56		
2,161.0	19.90	351.00	2,093.3	481.5	-96.4	491.0	348.68		
2,255.0	20.00	353.41	2,181.6	513.2	-100.7	523.0	348.90		
2,349.0	21.00	354.40	2,269.7	546.0	-104.2	555.8	349.20		
2,443.0	21.20	354.90	2,357.4	579.6	-107.3	589.5	349.51		
2,522.0	21.97	354.12	2,430.8	608.6	-110.1	618.5	349.74		
2,675.0	21.50	351.40	2,572.9	664.8	-117.3	675.0	350.00		
2,769.0	22.90	354.20	2,660.0	700.0	-121.7	710.5	350.14		
2,863.0	25.20	358.10	2,745.8	738.2	-124.2	748.6	350.45		
2,957.0	25.00	358.60	2,830.9	778.1	-125.3	788.1	350.85		
3,051.0	26.20	1.70	2,915.7	818.7	-125.2	828.2	351.30		
3,145.0	24.70	4.10	3,000.6	859.0	-123.2	867.8	351.84		
3,239.0	25.00	5.40	3,085.9	898.4	-119.9	906.3	352.40		
3,333.0	27.30	5.30	3,170.3	939.6	-116.1	946.7	352.96		
3,427.0	25.90	4.30	3,254.3	981.5	-112.5	988.0	353.46		
3,521.0	27.30	7.20	3,338.4	1,023.4	-108.3	1,029.1	353.96		
3,615.0	27.70	8.00	3,421.7	1,066.4	-102.5	1,071.3	354.51		
3,710.0	26.00	7.80	3,506.5	1,108.9	-96.6	1,113.1	355.02		
3,804.0	27.80	8.70	3,590.3	1,151.0	-90.5	1,154.6	355.50		
3,898.0	29.30	9.30	3,672.9	1,195.4	-83.5	1,198.3	356.00		
3,992.0	26.90	9.41	3,755.8	1,239.1	-76.3	1,241.4	356.48		
4,085.0	27.60	8.20	3,838.5	1,281.1	-69.8	1,283.0	356.88		
4,179.0	29.10	6.70	3,921.2	1,325.4	-64.0	1,326.9	357.23		
4,273.0	27.10	6.50	4,004.1	1,369.4	-58.9	1,370.6	357.54		
4,368.0	28.10	6.70	4,088.3	1,413.1	-53.9	1,414.1	357.82		
4,462.0	28.00	7.40	4,171.3	1,457.0	-48.4	1,457.8	358.10		
4,557.0	28.50	5.80	4,255.0	1,501.6	-43.3	1,502.3	358.35		
4,650.0	28.10	5.50	4,336.8	1,545.5	-38.9	1,546.0	358.56		
4,744.0	26.90	6.10	4,420.2	1,588.7	-34.6	1,589.1	358.75		
4,839.0	27.80	4.50	4,504.6	1,632.1	-30.5	1,632.4	358.93		
4,932.0	27.60	2.50	4,586.9	1,675.3	-27.9	1,675.5	359.05		
5,027.0	25.90	2.20	4,671.8	1,718.0	-26.1	1,718.2	359.13		
5,121.0	26.50	2.00	4,756.1	1,759.5	-24.6	1,759.7	359.20		
5,215.0	27.40	4.00	4,839.9	1,802.0	-22.4	1,802.2	359.29		
5,310.0	27.70	0.60	4,924.1	1,845.9	-20.6	1,846.0	359.36		



# KLX Directional Drilling

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<b>Site:</b>	CC 0604-15-08 Pad	<b>MD Reference:</b>	RKB=30' @ 8533.0usft (H&P #542)
<b>Well:</b>	CC 0697-10-13E	<b>North Reference:</b>	True
<b>Wellbore:</b>	B-7	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	B-7	<b>Database:</b>	KLXDirectional-AD

Survey									
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)		
5,404.0	27.30	357.70	5,007.5	1,889.3	-21.3	1,889.4	359.36		
5,498.0	25.40	357.20	5,091.7	1,931.0	-23.1	1,931.1	359.31		
5,592.0	26.20	1.20	5,176.4	1,971.9	-23.7	1,972.0	359.31		
5,686.0	27.80	5.10	5,260.1	2,014.4	-21.3	2,014.6	359.40		
5,781.0	27.00	4.50	5,344.5	2,058.0	-17.6	2,058.1	359.51		
5,875.0	28.60	5.40	5,427.6	2,101.7	-13.8	2,101.7	359.62		
5,969.0	30.10	6.20	5,509.6	2,147.5	-9.2	2,147.5	359.76		
6,063.0	29.20	6.20	5,591.3	2,193.7	-4.1	2,193.8	359.89		
6,158.0	28.30	5.30	5,674.5	2,239.2	0.5	2,239.2	0.01		
6,252.0	25.70	5.10	5,758.3	2,281.7	4.3	2,281.7	0.11		
6,346.0	24.20	4.40	5,843.5	2,321.2	7.6	2,321.2	0.19		
6,440.0	23.10	3.20	5,929.6	2,358.8	10.1	2,358.9	0.25		
6,534.0	20.80	4.90	6,016.8	2,393.9	12.6	2,393.9	0.30		
6,628.0	18.40	4.40	6,105.4	2,425.3	15.1	2,425.4	0.36		
6,722.0	17.10	2.90	6,194.9	2,453.9	17.0	2,454.0	0.40		
6,816.0	16.00	0.50	6,285.0	2,480.7	17.8	2,480.7	0.41		
6,910.0	15.10	358.30	6,375.5	2,505.9	17.5	2,505.9	0.40		
7,004.0	13.20	1.10	6,466.7	2,528.8	17.4	2,528.9	0.39		
7,098.0	12.10	1.10	6,558.4	2,549.4	17.8	2,549.5	0.40		
7,192.0	10.30	11.50	6,650.6	2,567.5	19.6	2,567.6	0.44		
7,287.0	8.90	14.50	6,744.3	2,582.9	23.2	2,583.0	0.51		
7,381.0	7.30	11.20	6,837.3	2,595.8	26.2	2,596.0	0.58		
7,475.0	6.60	12.00	6,930.7	2,607.0	28.4	2,607.1	0.63		
7,569.0	5.70	11.90	7,024.1	2,616.8	30.5	2,617.0	0.67		
7,664.0	5.20	8.40	7,118.7	2,625.7	32.1	2,625.9	0.70		
7,758.0	4.40	6.40	7,212.4	2,633.5	33.2	2,633.7	0.72		
7,852.0	2.40	353.20	7,306.2	2,639.0	33.3	2,639.3	0.72		
7,946.0	2.00	340.10	7,400.1	2,642.5	32.5	2,642.7	0.71		
8,040.0	1.70	330.30	7,494.1	2,645.3	31.3	2,645.5	0.68		
8,134.0	1.70	309.60	7,588.0	2,647.4	29.5	2,647.6	0.64		
8,228.0	1.70	292.00	7,682.0	2,648.8	27.1	2,648.9	0.59		
8,322.0	2.10	276.10	7,775.9	2,649.5	24.1	2,649.6	0.52		
8,416.0	2.20	268.20	7,869.9	2,649.6	20.6	2,649.7	0.45		
8,510.0	2.90	254.50	7,963.8	2,648.9	16.5	2,649.0	0.36		
8,604.0	2.50	210.60	8,057.7	2,646.5	13.2	2,646.6	0.29		
8,699.0	2.70	201.00	8,152.6	2,642.7	11.3	2,642.7	0.25		
8,793.0	1.80	210.70	8,246.5	2,639.3	9.8	2,639.3	0.21		
8,889.0	3.30	222.80	8,342.4	2,636.0	7.1	2,636.0	0.16		
8,983.0	3.40	224.00	8,436.2	2,632.0	3.4	2,632.0	0.07		
9,077.0	3.30	228.00	8,530.1	2,628.2	-0.6	2,628.2	359.99		
9,171.0	3.70	226.80	8,623.9	2,624.3	-4.8	2,624.3	359.90		
9,265.0	3.90	227.20	8,717.7	2,620.1	-9.4	2,620.1	359.80		
9,359.0	4.40	229.70	8,811.5	2,615.6	-14.5	2,615.6	359.68		
9,453.0	4.40	237.30	8,905.2	2,611.3	-20.2	2,611.4	359.56		
9,547.0	4.40	252.50	8,998.9	2,608.3	-26.7	2,608.4	359.41		



**KLX Directional Drilling**  
 KLX Survey Certification Report



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<b>Well:</b>	CC 0697-10-13E	<b>North Reference:</b>	True
<b>Wellbore:</b>	B-7	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	B-7	<b>Database:</b>	KLXDirectional-AD

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
9,641.0	4.80	254.30	9,092.6	2,606.1	-33.9	2,606.3	359.25
9,736.0	5.00	254.50	9,187.3	2,603.9	-41.7	2,604.3	359.08
9,830.0	5.50	248.40	9,280.9	2,601.2	-49.9	2,601.6	358.90
9,905.0	5.20	241.50	9,355.5	2,598.2	-56.2	2,598.8	358.76
9,963.0	5.20	241.50	9,413.3	2,595.7	-60.8	2,596.4	358.66
<b>TD @ 9963.0' MD / 9413.3' TVD</b>							

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
291.0	290.7	11.1	0.7	First MWD Survey @ 291.0' MD / 290.7' TVD
9,963.0	9,413.3	2,595.7	-60.8	TD @ 9963.0' MD / 9413.3' TVD