



Laramie Energy, LLC

Mesa County, CO

Laramie 0993-29-01

Laramie 29-01 Fed 0993-21-16W - Slot A7

OH

Design: OH

KLX Survey Certification Report

04 August, 2025



KLX Directional Drilling, INC.

11390 FM 830
Willis, TX 77318
Phone: (936) 856-4332
Fax: (936) 856-8678



Survey Certification Sheet

Company	Job Number	Date
Laramie Energy LLC	RM-250287	8/4/2025

Lease	Well Name	County & State
NENE 29 9S93W 6	Laramie Fed #0993-21-16W	Mesa, CO

API No.	Survey Depth Range	Survey Type
05-077-10649	210 feet to 8280 feet MD	MWD

Sidetrack Information	Directional Supervisor/Surveyor
Click here to enter text.	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



Company: Laramie Energy, LLC	Local Co-ordinate Reference: Well Laramie 29-01 Fed 0993-21-16W - Slot A7
Project: Mesa County, CO	TVD Reference: RKB=30' @ 7493.0usft (H&P #542)
Site: Laramie 0993-29-01	MD Reference: RKB=30' @ 7493.0usft (H&P #542)
Well: Laramie 29-01 Fed 0993-21-16W	North Reference: True
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: OH	Database: KLXDirectional-AD

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 Laramie 0993-29-01				
Site Position:	Northing: 1,525,818.99 usft	Latitude: 39.254781		
From: Map	Easting: 2,353,268.64 usft	Longitude: -107.784158		
Position Uncertainty: 0.0 usft	Slot Radius: 13-3/16"	Grid Convergence: -1.44 °		

Well Laramie 29-01 Fed 0993-21-16W - Slot A7				
Well Position	+N/-S 0.0 usft	Northing: 1,525,765.40 usft	Latitude: 39.254638	
	+E/-W 0.0 usft	Easting: 2,353,322.76 usft	Longitude: -107.783962	
Position Uncertainty	0.0 usft	Wellhead Elevation: usft	Ground Level: 7,463.0 usft	

Wellbore OH					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2025	8/1/2025	8.50	65.02	50,592.70000000

Design OH				
Audit Notes:				
Version: 1.0	Phase: ACTUAL	Tie On Depth: 0.0		
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	62.01

Survey Program		Date 8/4/2025		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
210.0	8,280.0	KLX MWD (OH)	OWSG (REV5) MWD	HDGM OWSG MWD - Standard

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00
210.0	0.26	240.88	210.0	-0.2	-0.4	0.5	240.88
First MWD Survey @ 210.0' MD / 210.0' TVD							
301.0	1.01	69.41	301.0	-0.1	0.2	0.2	108.06
393.0	2.77	72.92	392.9	0.9	3.0	3.2	73.71
485.0	4.70	59.21	484.7	3.5	8.4	9.1	67.56
576.0	6.68	64.75	575.3	7.6	16.4	18.1	65.02
668.0	9.14	69.50	666.4	12.5	28.1	30.7	66.04
760.0	11.56	66.60	756.9	18.7	43.4	47.2	66.68
851.0	13.36	73.36	845.8	25.3	61.8	66.8	67.72
946.0	15.65	73.63	937.7	32.1	84.6	90.5	69.24
1,040.0	17.23	69.94	1,027.9	40.4	109.9	117.1	69.80



KLX Directional Drilling

KLX Survey Certification Report



Company:	Laramie Energy, LLC	Local Co-ordinate Reference:	Well Laramie 29-01 Fed 0993-21-16W - Slot A7
Project:	Mesa County, CO	TVD Reference:	RKB=30' @ 7493.0usft (H&P #542)
Site:	Laramie 0993-29-01	MD Reference:	RKB=30' @ 7493.0usft (H&P #542)
Well:	Laramie 29-01 Fed 0993-21-16W	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	KLXDirectional-AD

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
1,134.0	18.95	65.45	1,117.2	51.6	136.9	146.2	69.36
1,229.0	21.19	64.49	1,206.5	65.4	166.4	178.8	68.55
1,324.0	23.96	62.82	1,294.2	81.6	199.0	215.1	67.72
1,418.0	25.54	64.40	1,379.5	99.0	234.3	254.4	67.08
1,500.0	25.63	64.66	1,453.5	114.3	266.3	289.8	66.77
1,509.0	25.63	64.66	1,461.6	115.9	269.8	293.6	66.74
1,654.0	25.05	62.38	1,592.7	143.6	325.3	355.6	66.18
1,749.0	27.08	62.73	1,678.0	162.8	362.4	397.3	65.80
1,843.0	26.73	62.11	1,761.8	182.5	400.1	439.7	65.48
1,938.0	25.89	61.85	1,847.0	202.3	437.2	481.8	65.17
2,032.0	27.08	62.38	1,931.1	221.9	474.3	523.6	64.93
2,127.0	26.59	62.11	2,015.9	241.9	512.3	566.5	64.72
2,221.0	25.49	61.85	2,100.3	261.3	548.7	607.7	64.54
2,316.0	26.95	61.15	2,185.6	281.3	585.6	649.6	64.34
2,410.0	26.46	60.18	2,269.5	302.0	622.4	691.8	64.12
2,505.0	27.69	59.65	2,354.1	323.7	659.8	734.9	63.87
2,599.0	27.16	58.95	2,437.6	345.8	697.0	778.1	63.62
2,693.0	26.55	58.07	2,521.4	367.9	733.2	820.4	63.35
2,788.0	27.16	59.83	2,606.2	390.1	770.0	863.2	63.13
2,882.0	26.55	60.79	2,690.0	411.1	806.9	905.6	63.00
2,977.0	25.49	59.21	2,775.4	431.9	843.0	947.2	62.87
3,072.0	25.76	59.39	2,861.1	452.9	878.3	988.2	62.72
3,166.0	26.42	61.59	2,945.5	473.3	914.3	1,029.5	62.63
3,261.0	26.64	63.26	3,030.5	492.9	951.9	1,071.9	62.63
3,356.0	27.21	62.90	3,115.2	512.4	990.3	1,115.0	62.64
3,450.0	27.38	62.82	3,198.7	532.0	1,028.6	1,158.1	62.65
3,545.0	25.85	62.29	3,283.7	551.6	1,066.4	1,200.6	62.65
3,639.0	26.68	62.64	3,368.0	570.9	1,103.3	1,242.2	62.64
3,734.0	27.21	62.73	3,452.6	590.6	1,141.5	1,285.3	62.64
3,828.0	26.60	63.43	3,536.5	609.9	1,179.4	1,327.8	62.66
3,922.0	25.93	62.46	3,620.8	628.8	1,216.5	1,369.4	62.67
4,017.0	26.55	61.32	3,706.0	648.6	1,253.5	1,411.4	62.64
4,111.0	25.10	61.41	3,790.6	668.2	1,289.5	1,452.3	62.61
4,206.0	24.97	61.59	3,876.7	687.4	1,324.8	1,492.5	62.58
4,301.0	25.49	62.99	3,962.6	706.2	1,360.7	1,533.0	62.57
4,395.0	24.70	63.17	4,047.7	724.3	1,396.2	1,572.9	62.58
4,489.0	24.53	62.90	4,133.2	742.0	1,431.1	1,612.0	62.59
4,584.0	24.62	63.70	4,219.6	759.8	1,466.4	1,651.5	62.61
4,678.0	23.87	62.20	4,305.3	777.3	1,500.8	1,690.1	62.62
4,773.0	24.13	62.99	4,392.1	795.1	1,535.1	1,728.8	62.62
4,867.0	24.44	63.96	4,477.8	812.4	1,569.7	1,767.4	62.64
4,961.0	22.42	62.55	4,564.0	829.2	1,603.0	1,804.8	62.65
5,056.0	22.73	63.34	4,651.7	845.8	1,635.5	1,841.3	62.66
5,151.0	23.25	63.87	4,739.2	862.3	1,668.8	1,878.4	62.67



KLX Directional Drilling

KLX Survey Certification Report



Company: Laramie Energy, LLC	Local Co-ordinate Reference: Well Laramie 29-01 Fed 0993-21-16W - Slot A7
Project: Mesa County, CO	TVD Reference: RKB=30' @ 7493.0usft (H&P #542)
Site: Laramie 0993-29-01	MD Reference: RKB=30' @ 7493.0usft (H&P #542)
Well: Laramie 29-01 Fed 0993-21-16W	North Reference: True
Wellbore: OH	Survey Calculation Method: Minimum Curvature
Design: OH	Database: KLXDirectional-AD

MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	N/S (usft)	E/W (usft)	Closure Distance (usft)	Closure Azimuth (°)
5,245.0	21.98	63.87	4,825.9	878.2	1,701.2	1,914.5	62.70
5,340.0	20.57	64.49	4,914.5	893.2	1,732.2	1,949.0	62.72
5,434.0	18.95	62.29	5,002.9	907.4	1,760.7	1,980.7	62.73
5,529.0	17.80	61.50	5,093.1	921.5	1,787.1	2,010.7	62.72
5,624.0	16.26	61.06	5,183.9	934.9	1,811.5	2,038.5	62.70
5,719.0	14.68	60.27	5,275.5	947.3	1,833.6	2,063.8	62.68
5,813.0	13.23	59.04	5,366.7	958.7	1,853.1	2,086.4	62.65
5,908.0	12.22	57.54	5,459.4	969.7	1,870.9	2,107.3	62.60
6,002.0	10.73	57.10	5,551.5	979.8	1,886.7	2,125.9	62.56
6,097.0	9.19	52.88	5,645.0	989.2	1,900.2	2,142.2	62.50
6,192.0	7.60	60.62	5,739.0	996.8	1,911.7	2,156.0	62.46
6,286.0	6.77	76.18	5,832.3	1,001.2	1,922.5	2,167.6	62.49
6,381.0	5.54	81.19	5,926.7	1,003.3	1,932.5	2,177.4	62.56
6,475.0	5.14	73.98	6,020.3	1,005.1	1,941.0	2,185.8	62.62
6,569.0	3.82	64.84	6,114.1	1,007.6	1,947.9	2,193.0	62.65
6,664.0	4.97	58.95	6,208.8	1,011.1	1,954.3	2,200.3	62.64
6,758.0	4.53	73.01	6,302.5	1,014.3	1,961.3	2,208.0	62.65
6,852.0	4.48	71.78	6,396.2	1,016.5	1,968.3	2,215.3	62.69
6,947.0	2.99	79.96	6,491.0	1,018.1	1,974.3	2,221.3	62.72
7,042.0	2.59	88.04	6,585.8	1,018.6	1,978.9	2,225.6	62.76
7,139.0	2.46	82.50	6,682.8	1,018.9	1,983.1	2,229.6	62.81
7,233.0	1.80	100.52	6,776.7	1,018.9	1,986.6	2,232.7	62.85
7,328.0	1.05	73.19	6,871.7	1,018.9	1,988.9	2,234.7	62.87
7,422.0	0.70	14.39	6,965.7	1,019.7	1,989.9	2,235.9	62.87
7,517.0	1.01	343.28	7,060.6	1,021.1	1,989.8	2,236.5	62.83
7,611.0	0.70	318.14	7,154.6	1,022.3	1,989.1	2,236.5	62.80
7,706.0	1.32	309.96	7,249.6	1,023.4	1,987.9	2,235.9	62.76
7,800.0	2.29	323.50	7,343.6	1,025.6	1,986.0	2,235.2	62.69
7,895.0	4.00	337.30	7,438.4	1,030.2	1,983.6	2,235.1	62.55
7,989.0	3.43	339.94	7,532.2	1,035.9	1,981.3	2,235.8	62.40
8,084.0	3.12	347.41	7,627.1	1,041.1	1,979.8	2,236.8	62.26
8,178.0	2.95	345.03	7,720.9	1,045.9	1,978.6	2,238.0	62.14
8,230.0	2.73	343.89	7,772.9	1,048.4	1,977.9	2,238.6	62.07
8,280.0	2.73	343.89	7,822.8	1,050.7	1,977.3	2,239.1	62.01

TD @ 8280.0' MD / 7822.8' TVD

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
210.0	210.0	-0.2	-0.4	First MWD Survey @ 210.0' MD / 210.0' TVD
8,280.0	7,822.8	1,050.7	1,977.3	TD @ 8280.0' MD / 7822.8' TVD