



CEMENT BOND LOG WITH GAMMA RAY

MIDWEST WIRELINE

Company	MTM Petroleum, Inc.		
Well	Leslie #2		
Field	Spivey-Grabs-Basil		
County	Kingman	State	Kansas
Location:	NE - NE - SE 2310' FSL & 330' FEL SEC 13 TWP 30S RGE 8W		Other Services
Permanent Datum	Ground Level	Elevation	1477'
Log Measured From	KB	7'	Above Perm. Datum
Drilling Measured From	KB		Elevation K.B. 1484' D.F. N/A G.L. 1477'

Date of Service	3/30/2021		
Run Number	One		
Depth Driller or PBTD	4235'		
Depth Logger	4163'		
Bottom Log Interval	4160'		
Top Log Interval	2800'		
Open Hole Size	7.875"		
Type Fluid	Water		
Fluid Level	Full		
Fluid Density	N/A		
Max. Recorded Temperature	N/A		
Max. Wellhead Pressure	0 PSI		
Wellhead Connection	N/A		
Estimated Cement Top	3034'		
Unit Number	18		
Wireline Size	5/16"		
Location	Hays		
Recorded By	D. Schmidt		
Witnessed By	Marvin Miller		
	Size	Wt/Ft	Top
Tubing Record			Bottom
Surface Casing	8.625"	23#	0'
Production Casing	5.5"	15.5#	0'
Liner Record			TD

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

Rago,
South to 150th, 3 West,
North into

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew

Engineer: D. Schmidt
Operator:
Operator:
Operator:

Tool Data - Services

Serial Number

Company	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
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Log Variables

DatabaseC:\ProgramData\Warrior\Data\mtm_leslie 2.db
Dataset field/well/cbl/pass3.1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 15.5	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.08
PERFS 0	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0				

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness

CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation

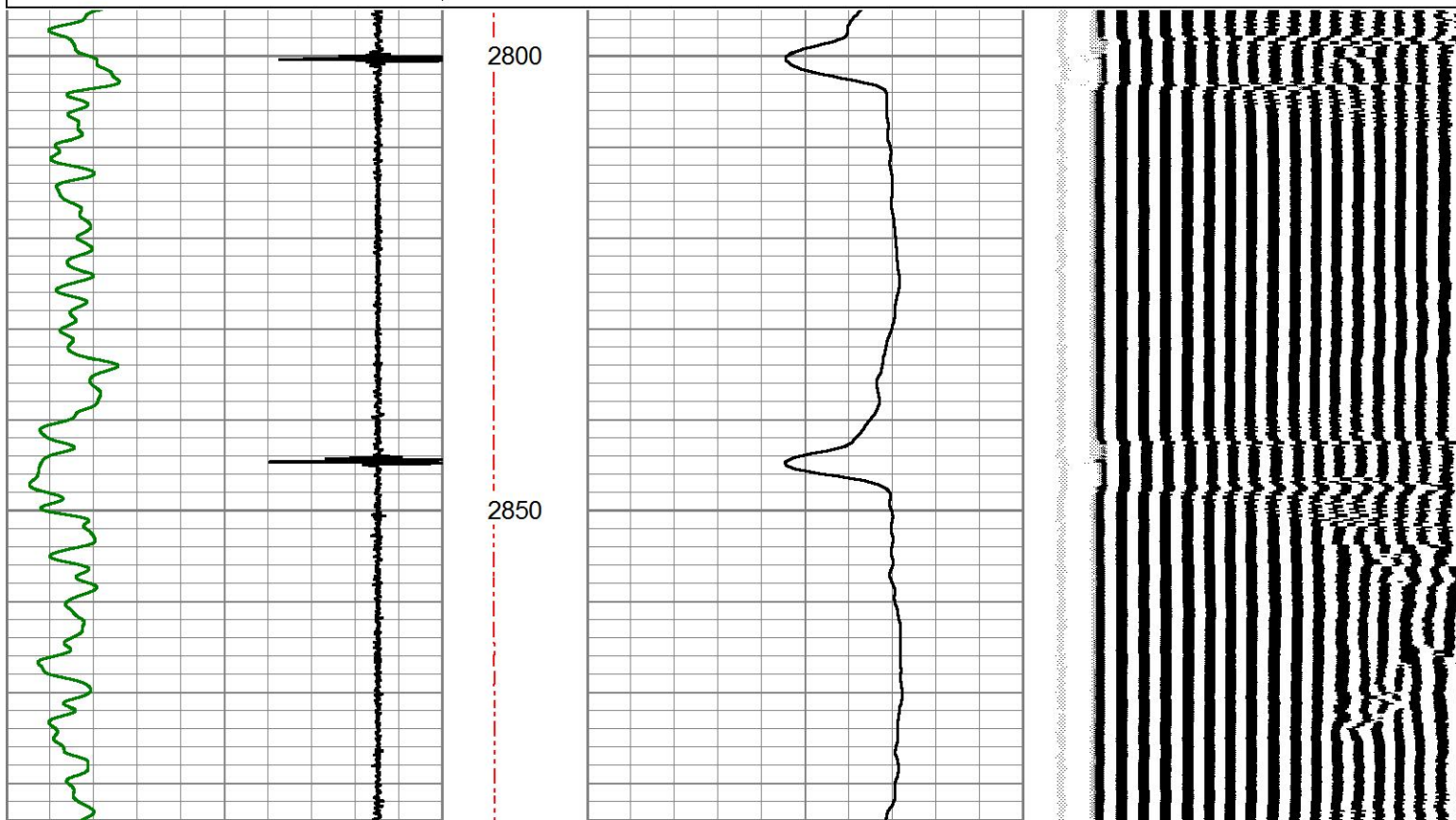
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

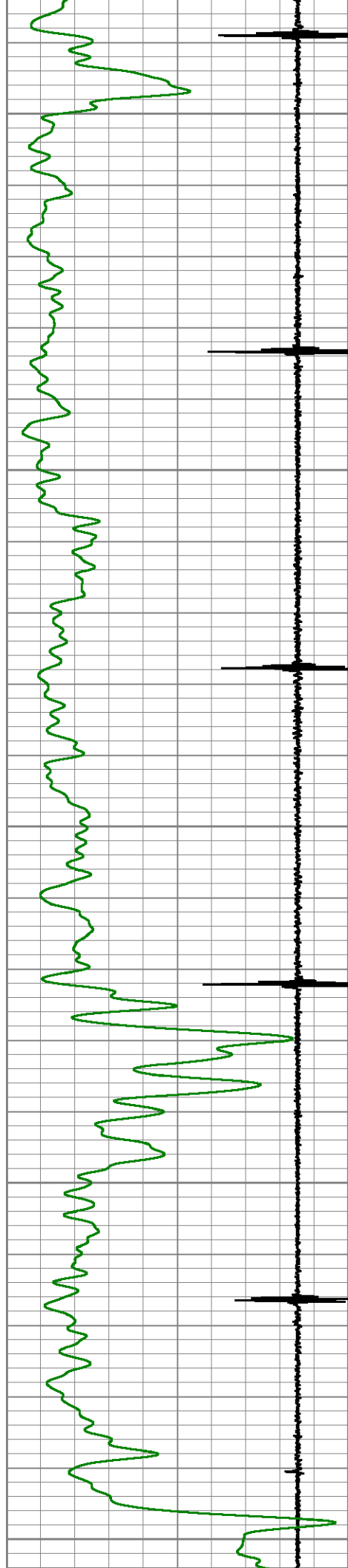


MAIN LOG

Database File mtm_leslie 2.db
Dataset Pathname cbl/pass99.99
Presentation Format pinr_cbl
Dataset Creation Tue Mar 30 12:32:17 2021
Charted by Depth in Feet scaled 1:240

-6	Collar Locator	1	Line Tension	0	Amplitude (mV)	100	200	Variable Density (usec)	1200
0	Gamma Ray	150	0 (lb2000)						
250	3' Travel Time (usec)	150							





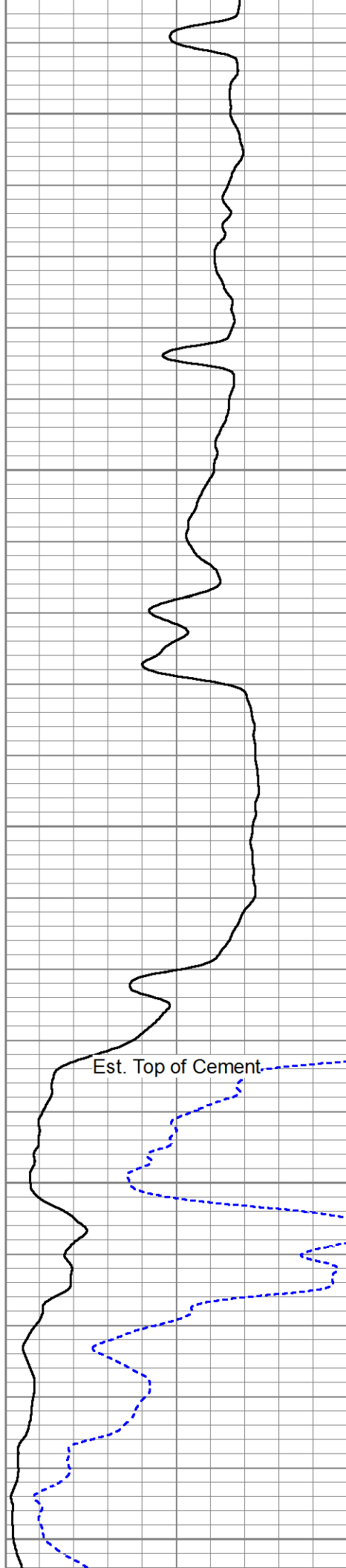
2900

2950

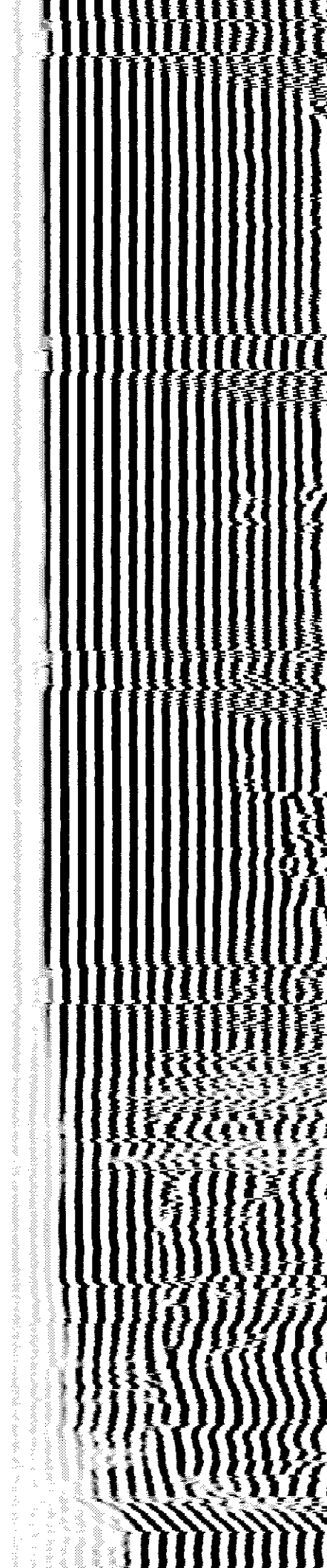
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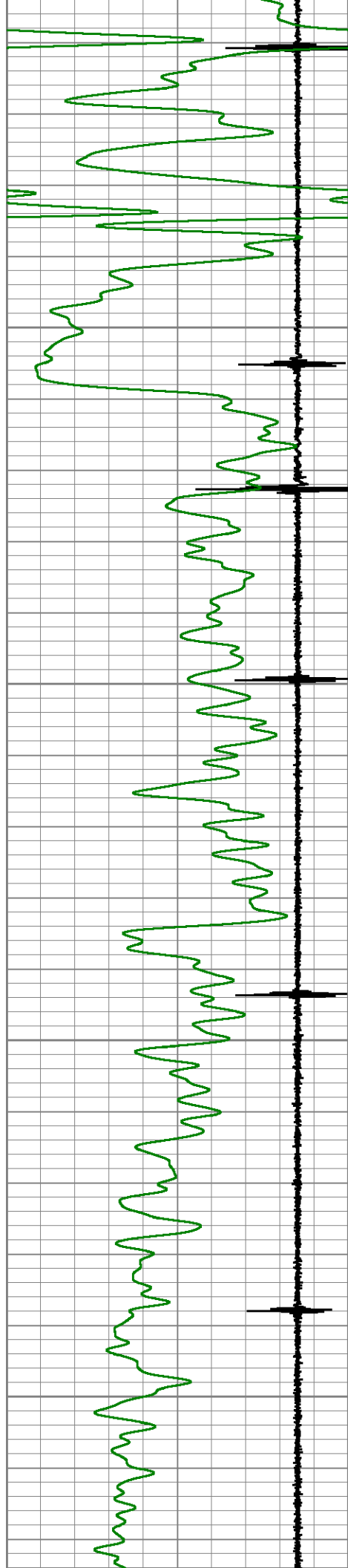
3050

3100



Est. Top of Cement



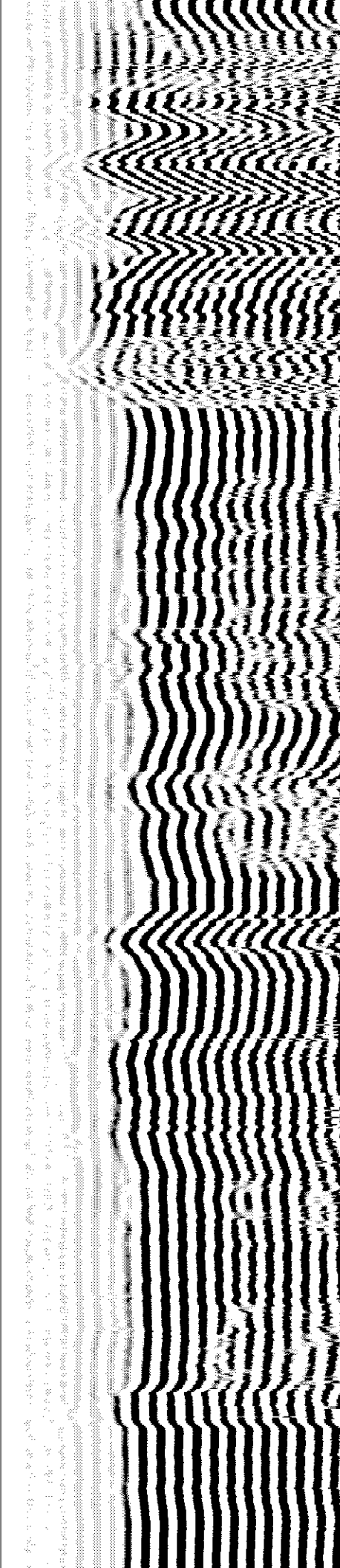
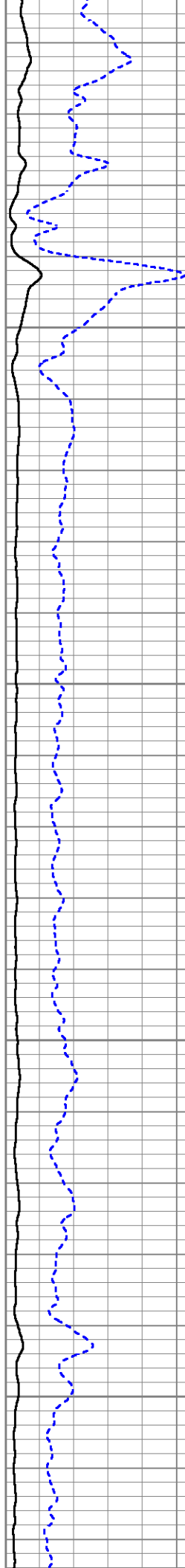


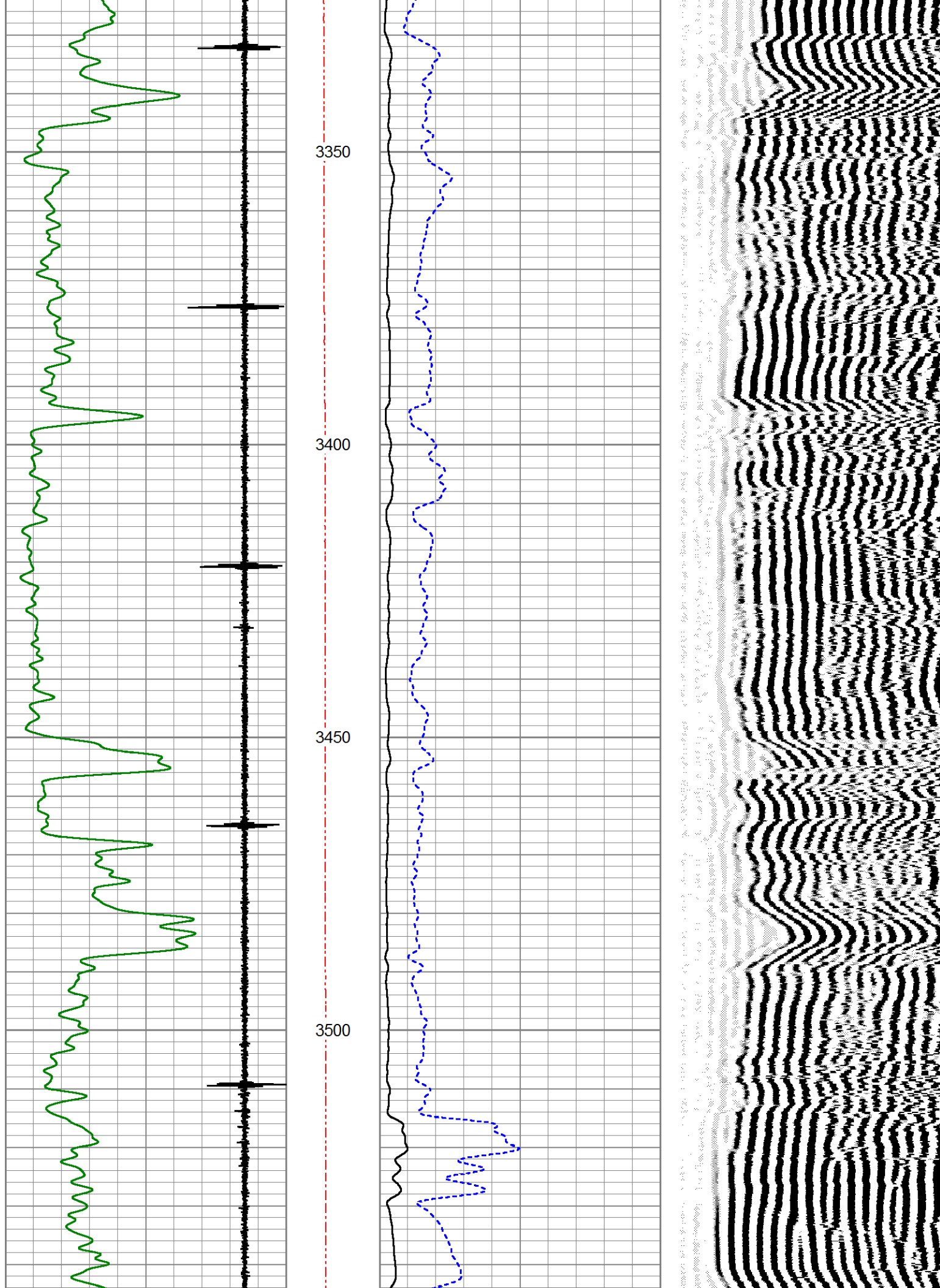
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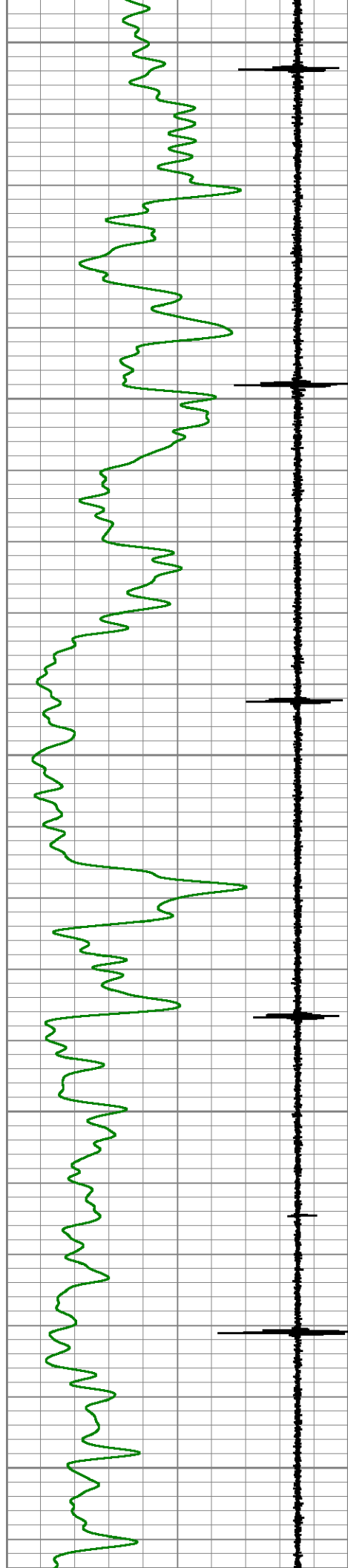
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3250

3300







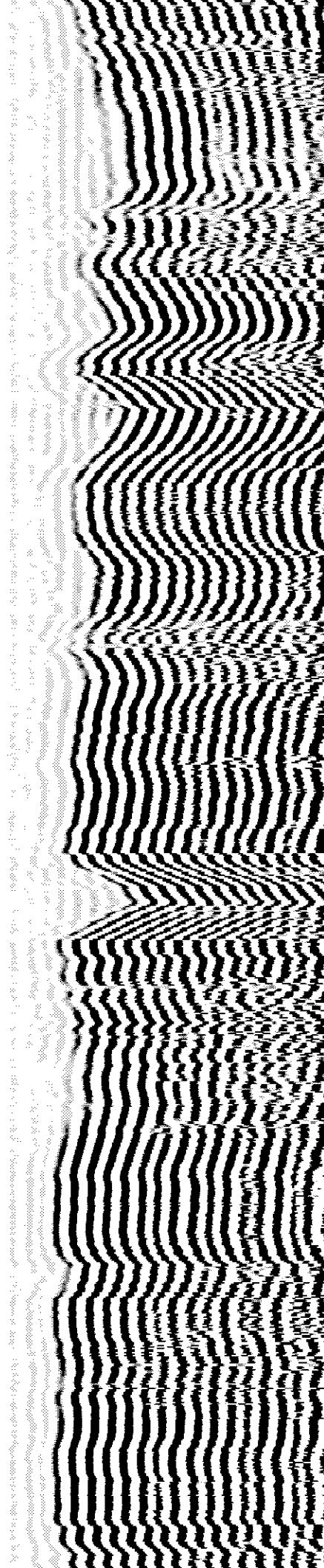
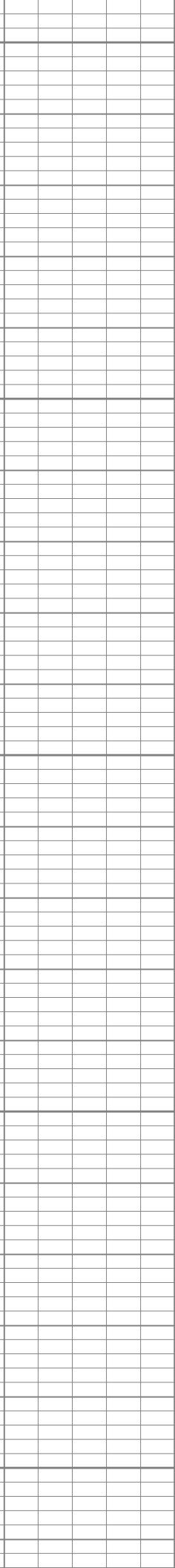
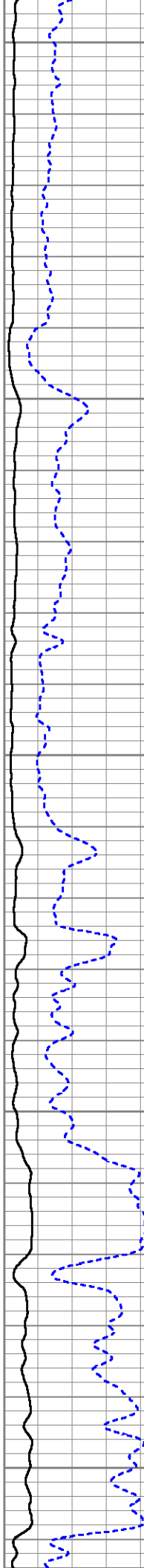
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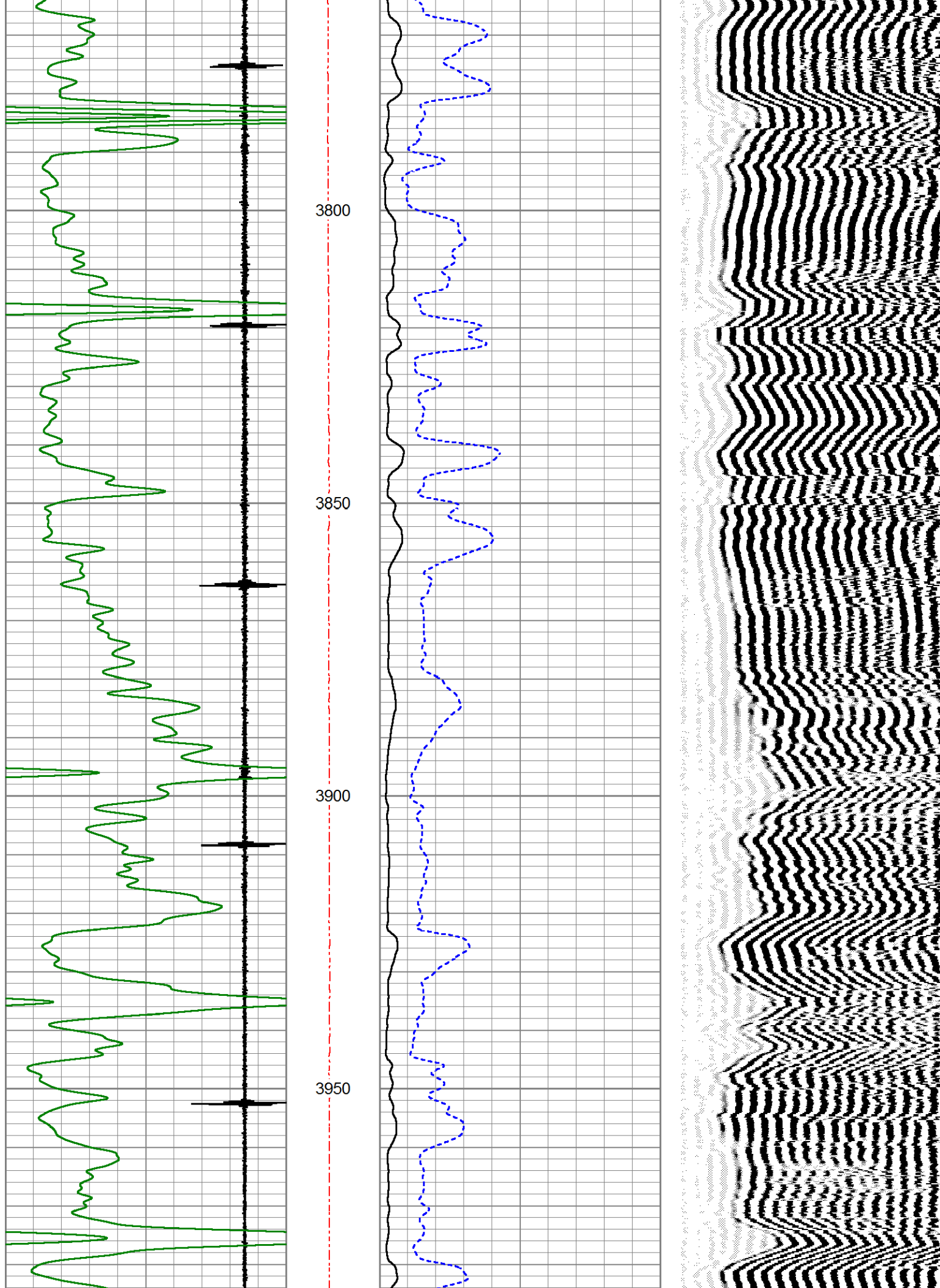
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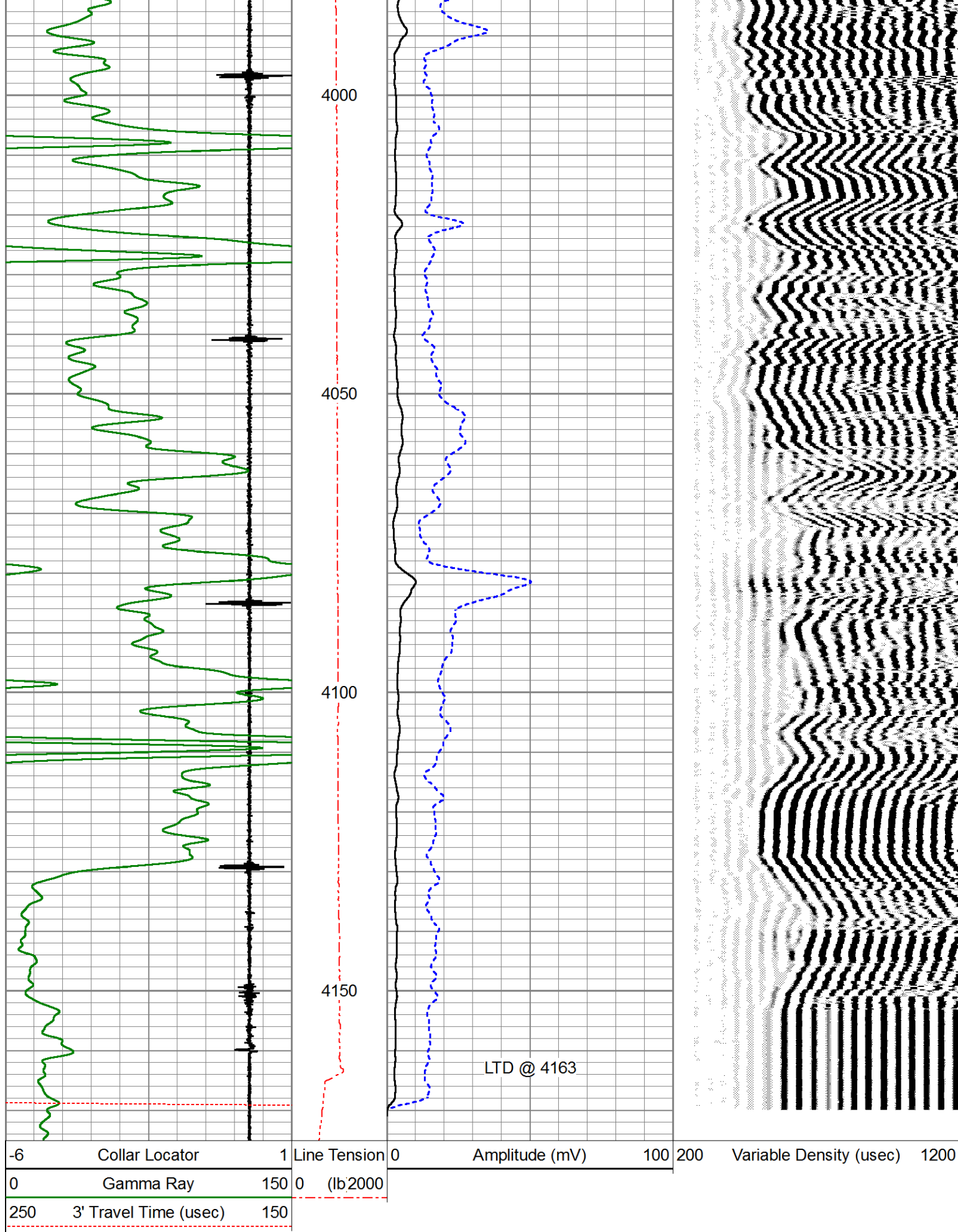
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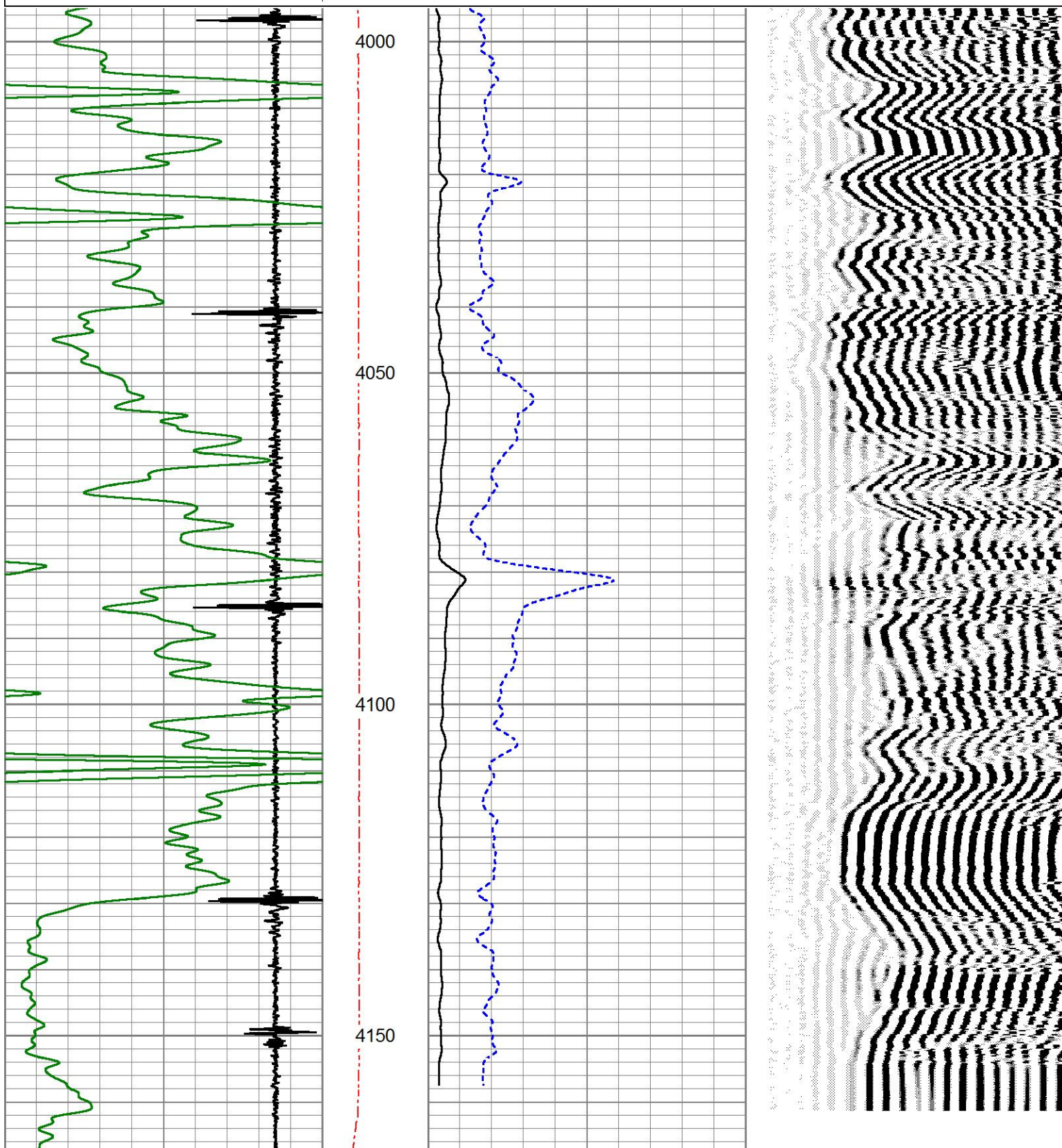
REPEAT SECTION



REPEAT SECTION

Database File mtm_leslie 2.db
Dataset Pathname cbl/pass2
Presentation Format pinr_cbl
Dataset Creation Tue Mar 30 11:39:46 2021
Charted by Depth in Feet scaled 1:240

-6	Collar Locator	1	Line Tension	0	Amplitude (mV)	100	200	Variable Density (usec)	1200
0	Gamma Ray	150	0	(lb)2000					
250	3' Travel Time (usec)	150							



-6	Collar Locator	1	Line Tension	0	Amplitude (mV)	100	200	Variable Density (usec)	1200
0	Gamma Ray	150	0 (lb/2000)						
250	3' Travel Time (usec)	150							

Calibration Report						
Database File	mtm_leslie 2.db					
Dataset Pathname	cbl/pass3.1					
Dataset Creation	Tue Mar 30 12:22:22 2021					
Gamma Ray Calibration Report						
Serial Number:	060802					
Tool Model:	2 3/4" Probe					
Performed:	(Not Performed)					
Calibrator Value:	1.0					
Background Reading:	0.0	cps				
Calibrator Reading:	1.0	cps				
Sensitivity:	1.0000	/cps				
Segmented Cement Bond Log Calibration Report						
Serial Number:	PR-012					
Tool Model:	RBL-D					
Calibration Casing Diameter:	5.500	in				
Calibration Depth:	2558.628	ft				
Master Calibration, performed Tue Mar 30 11:39:17 2021:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.005	1.810	0.700	71.921	36.500	0.496
CAL	0.002	2.410				
5'	0.004	1.596	0.700	71.921	44.755	0.514
SUM						
S1	0.045	1.602	0.000	100.000	64.226	-2.861
S2	0.008	1.673	0.000	100.000	60.051	-0.487
S3	0.008	1.791	0.000	100.000	56.105	-0.469
S4	0.008	1.862	0.000	100.000	53.928	-0.411
S5	0.007	1.882	0.000	100.000	53.333	-0.373
S6	0.006	1.847	0.000	100.000	54.336	-0.335
S7	0.006	1.756	0.000	100.000	57.134	-0.322
S8	0.005	1.598	0.000	100.000	62.787	-0.319
Air Zero Calibration, performed Fri Jan 22 12:35:43 2021:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	

S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

	Company Well Field County State	MTM Petroleum, Inc. Leslie #2 Spivey-Grabs-Basil Kingman Kansas
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