



CEMENT
BOND LOG

Company PRESLEY OPERATING LLC.

Well THORNBURG TRUST A 1-34

Field CHAPMAN

County GOVE State KANSAS

Location: API #: 15-063-22392-00-00 Other Services

SEC 34 TWP 15 S RGE 26 W

Permanent Datum GROUND LEVEL Elevation 2533'

Log Measured From 11' AGL K.B. Elevation

Drilling Measured From KELLY BUSHING G.L. 2533'

Date 5-19-2022

Run Number ONE

Depth Driller 4578'

Depth Logger 4523'

Bottom Logged Interval 4522'

Top Log Interval 0'

Open Hole Size 8 5/8"

Type Fluid WATER

Density / Viscosity

Max. Recorded Temp. 121 DEG.

Estimated Cement Top 0'

Time Well Ready 2:30 PM

Time Logger on Bottom 3:30 PM

Equipment Number T-173

Location HAYS

Recorded By A DREILING

Witnessed By BOUGHDAJLY

Borehole Record

Run Number Bit From To Size Weight From To

ONE 12' 0' 226'

TWO 8 625" 226' 4578'

Casing Record Size Wd/Ft Top Bottom

Surface String

Prot. String

Production String

Liner

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

LOG CORRELATED TO ELI. DUAL INDUCTION.

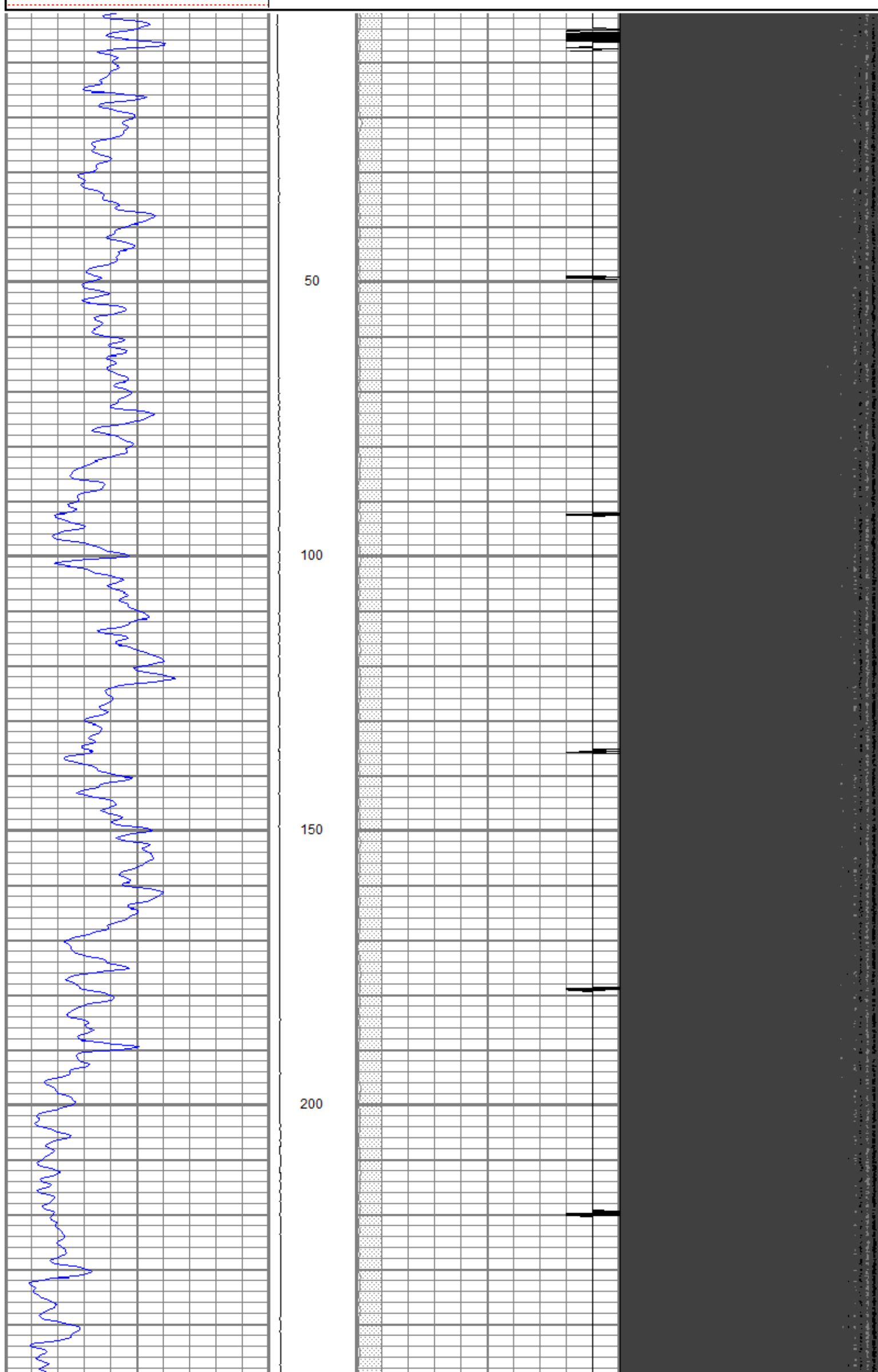
UTICA KS
4 NORTH ON RD. D
1 W @ T, 1N, W INTO

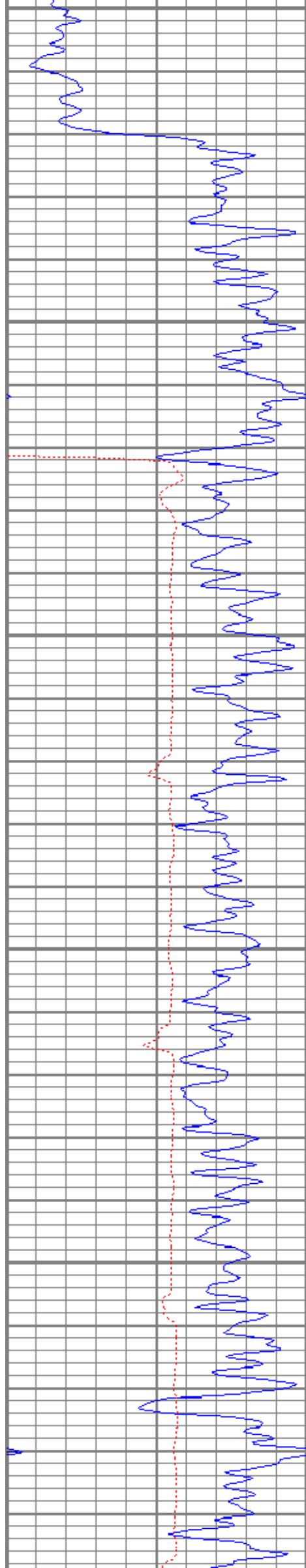


MAIN PASS

Database File presley op.db
Dataset Pathname thornburg_a_1-34/run1/pass6
Presentation Format cbl
Dataset Creation Thu May 19 14:56:22 2022
Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	LTEN	18	CCL	-2	200	VDL (usec)	1200
150	GR (GAPI)	300	0	(lb)2000	0	AMP3FT (mV)	100		
400	TT3FT (usec)	200							





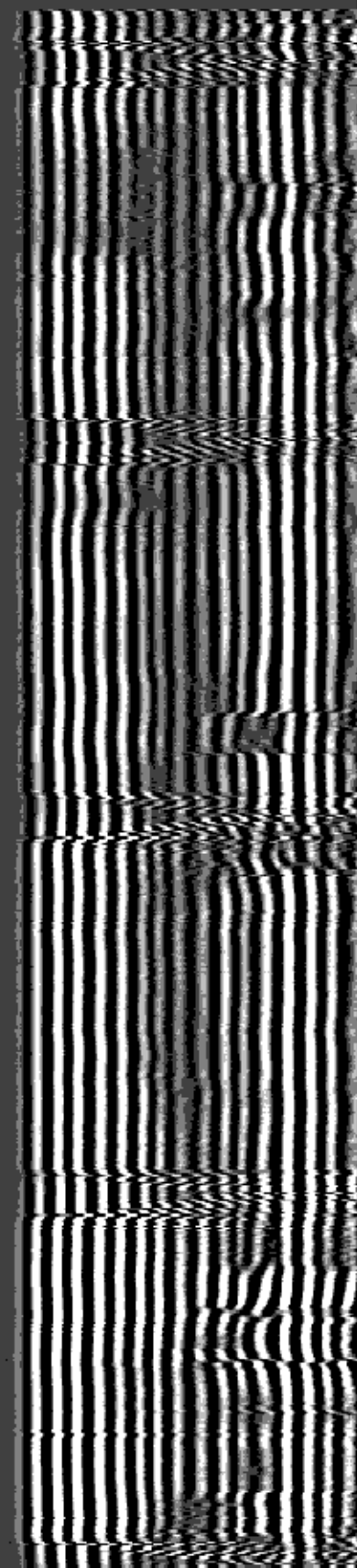
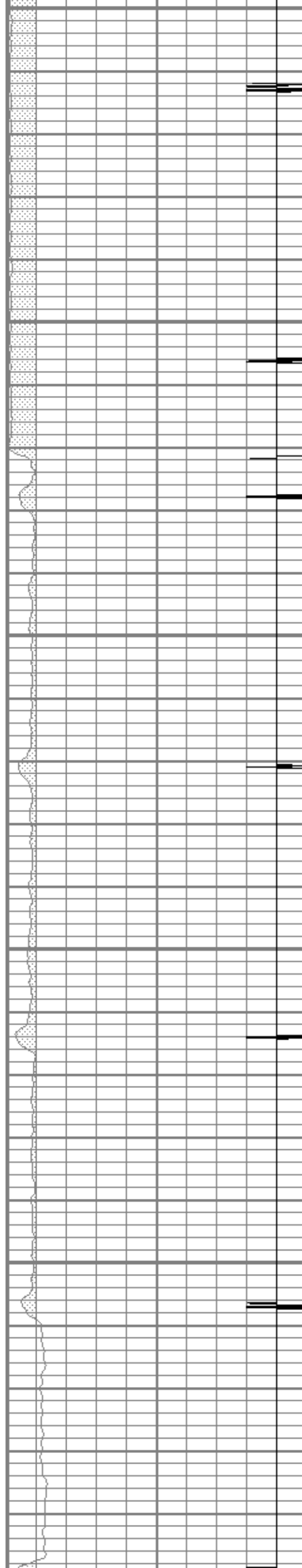
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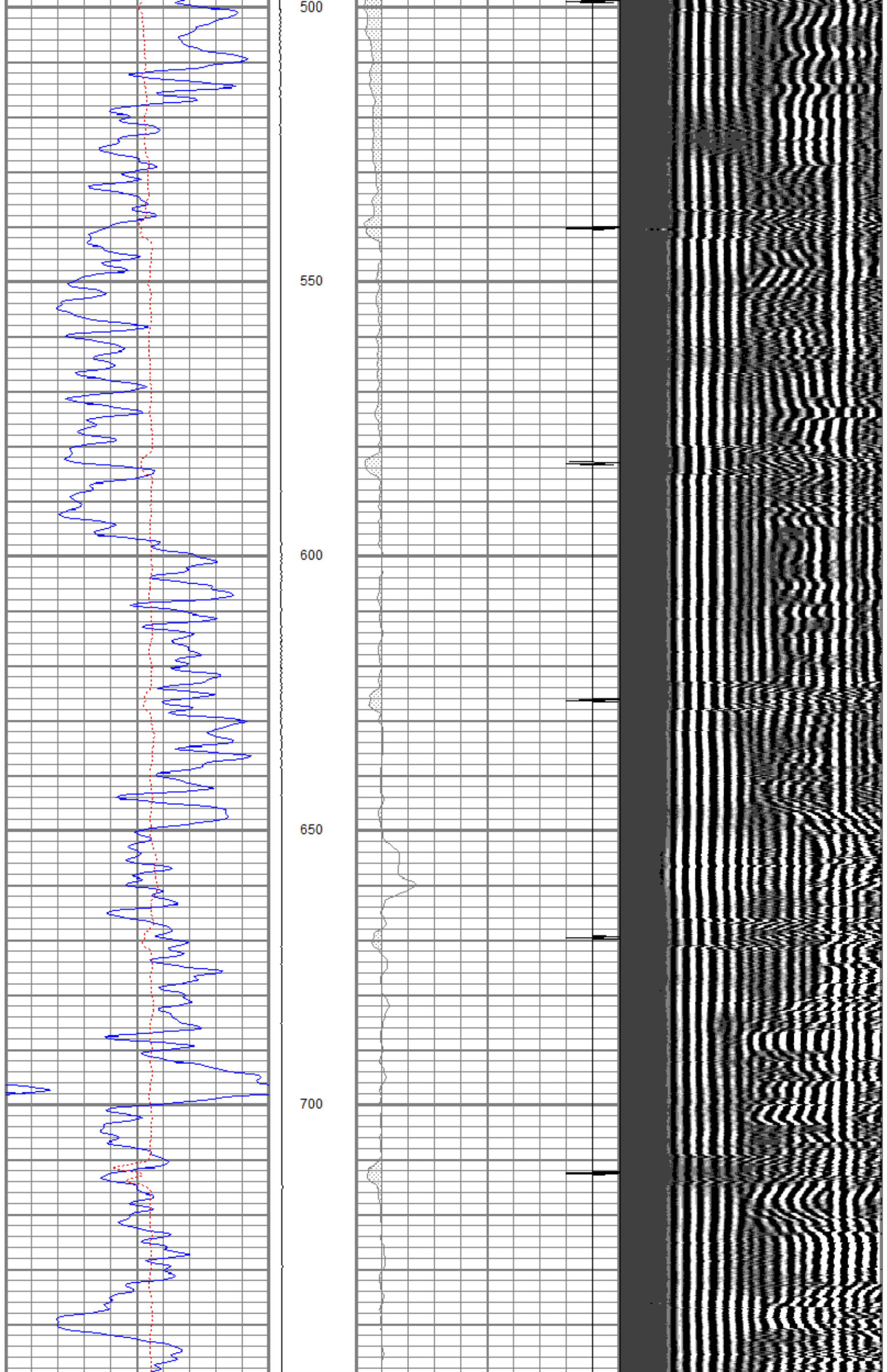
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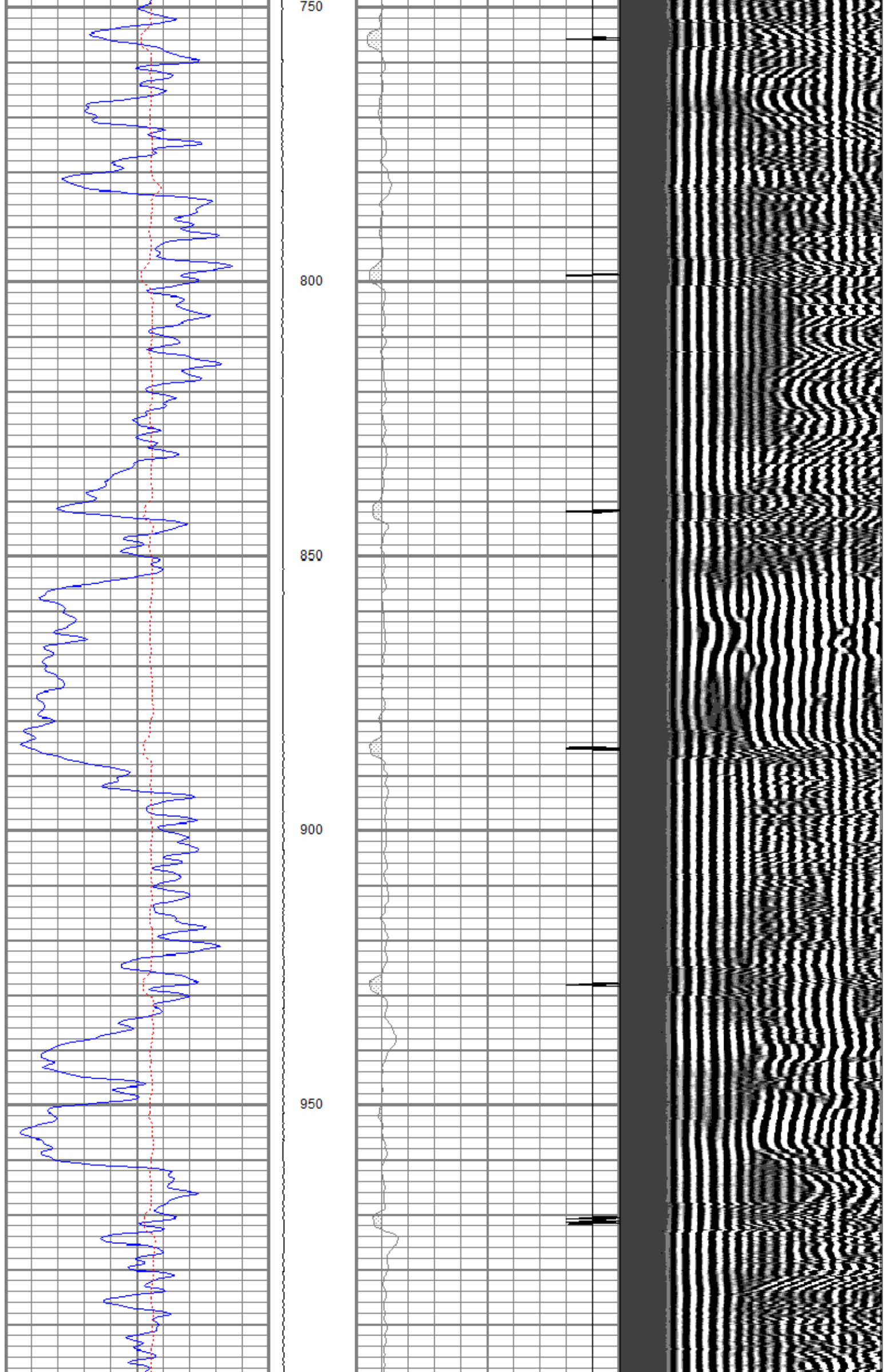
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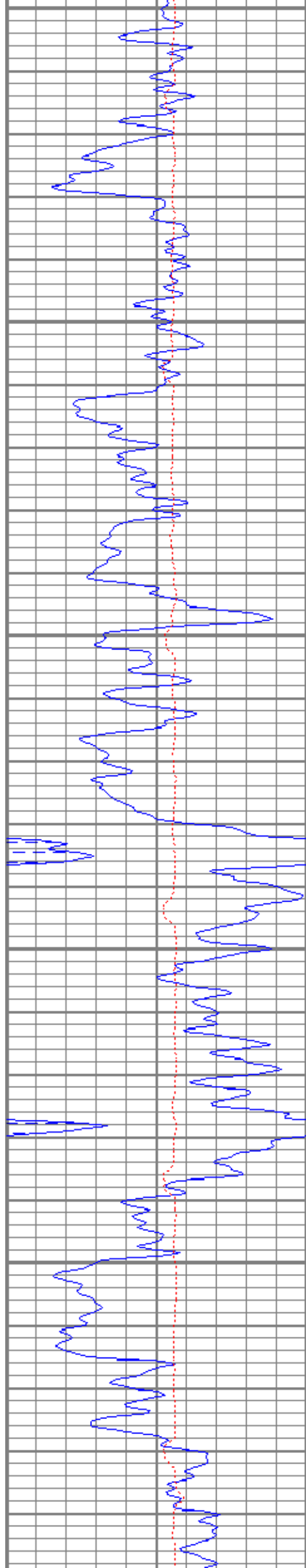
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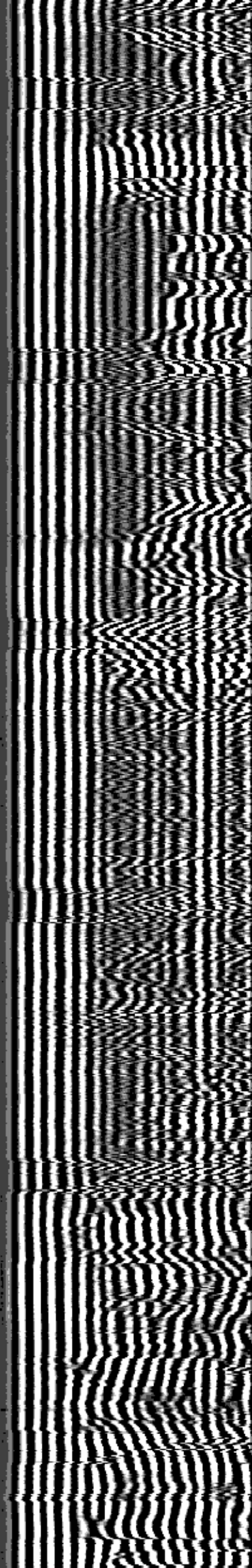
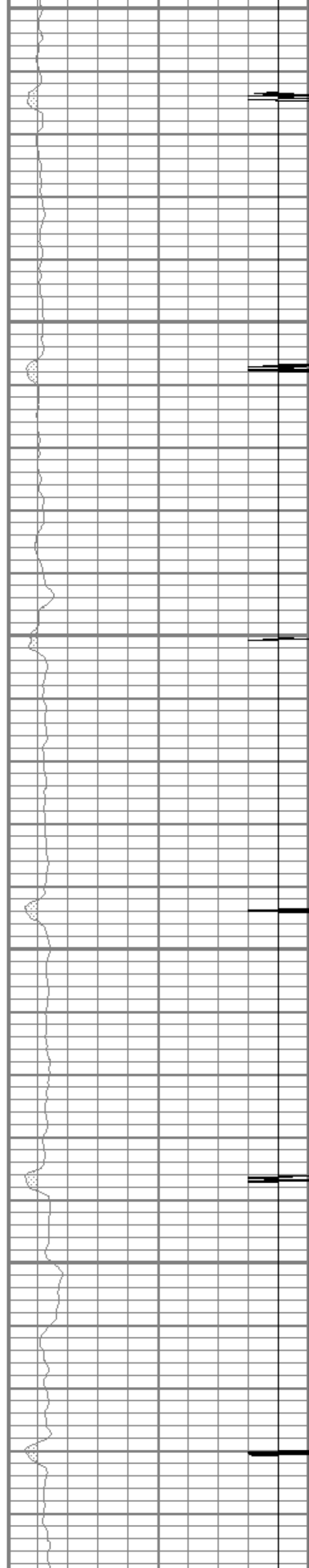


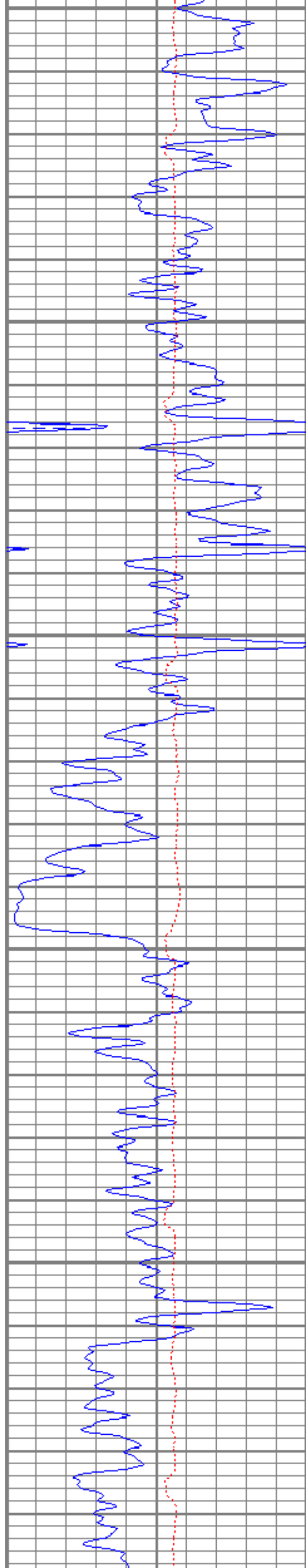






1000
1050
1100
1150
1200





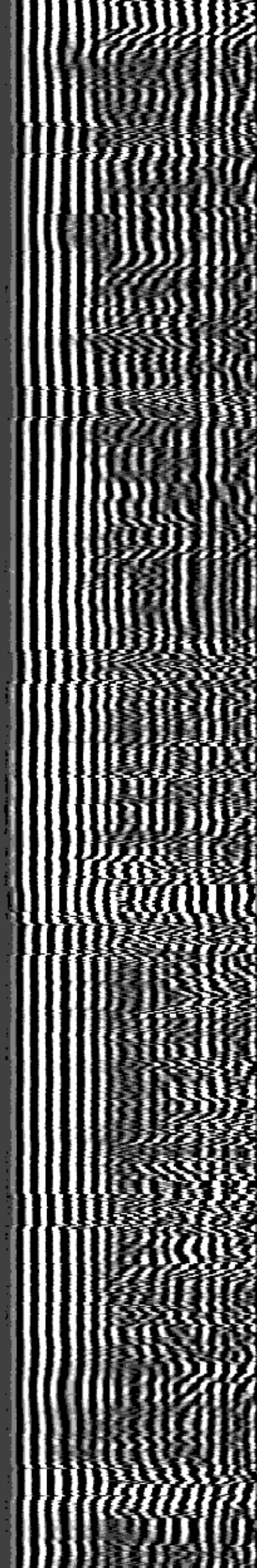
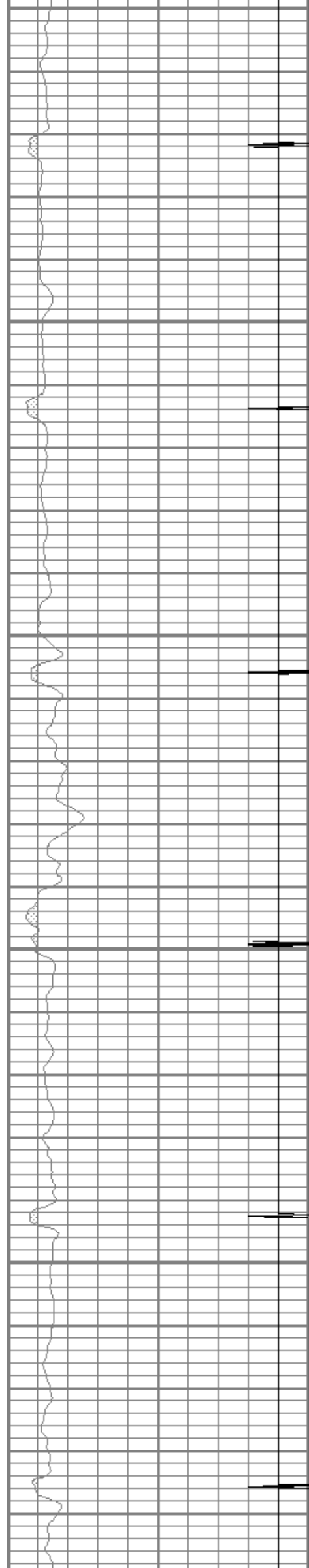
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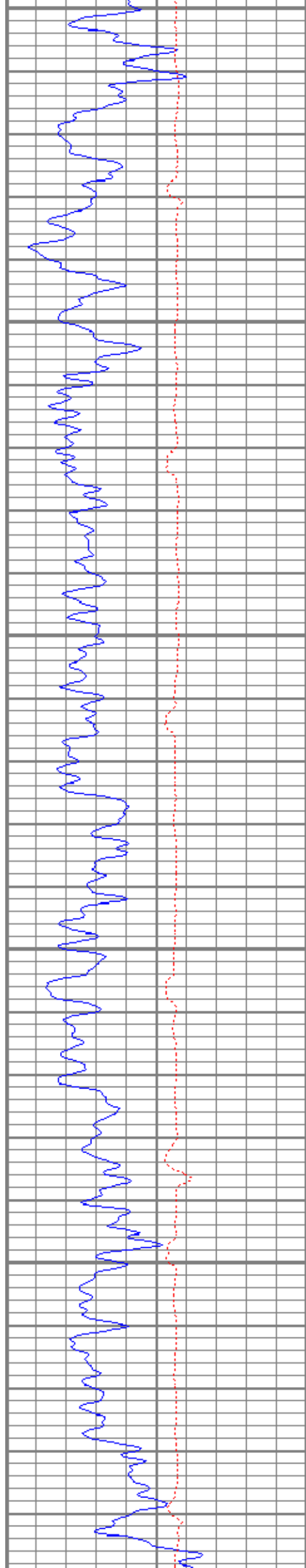
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1400

1450





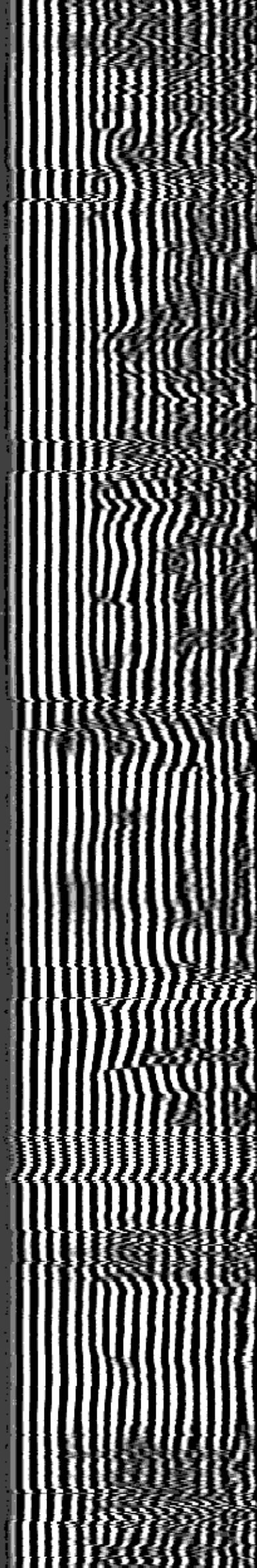
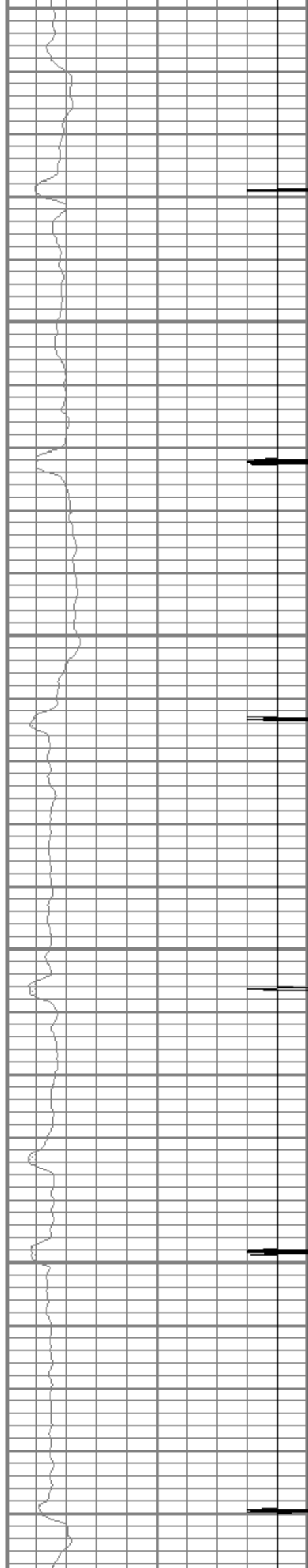
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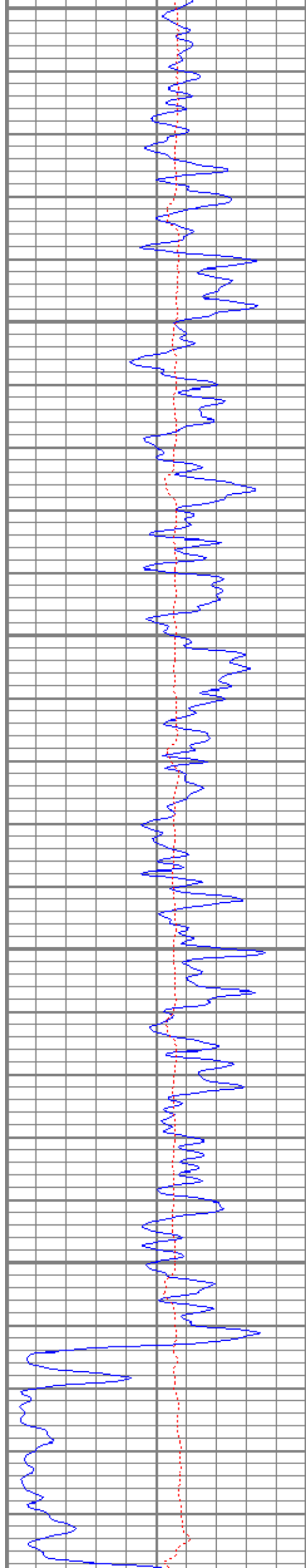
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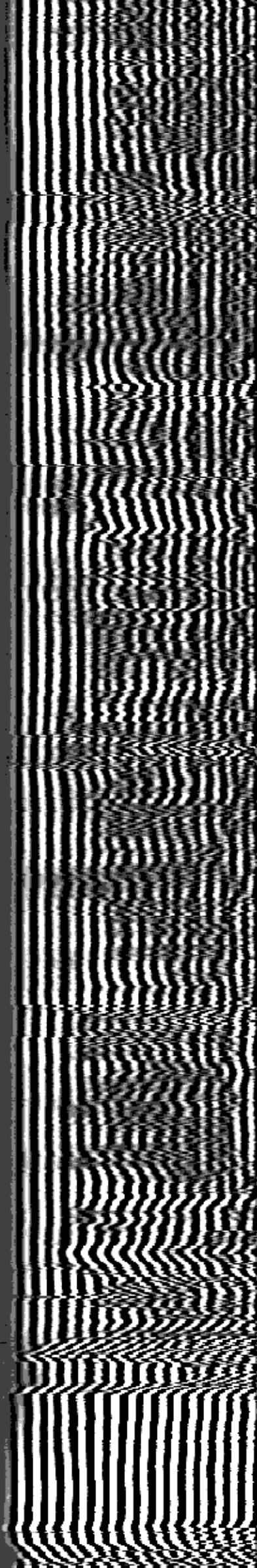
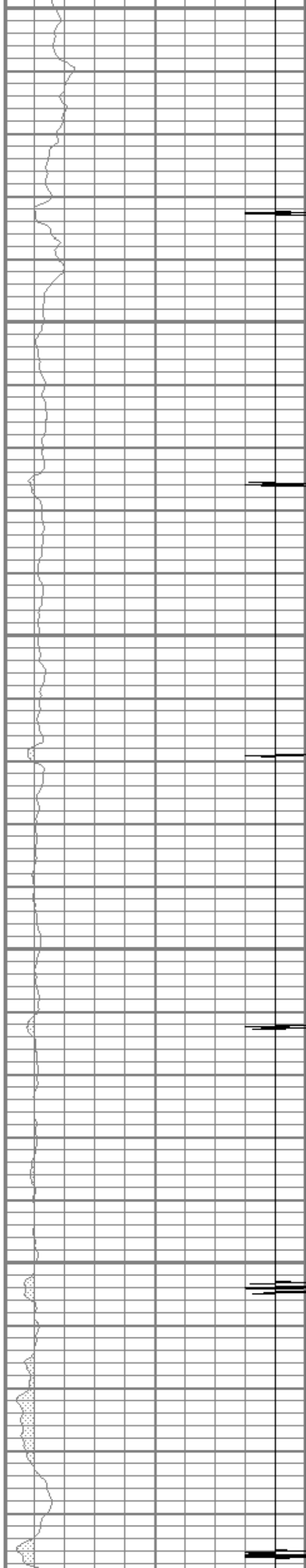
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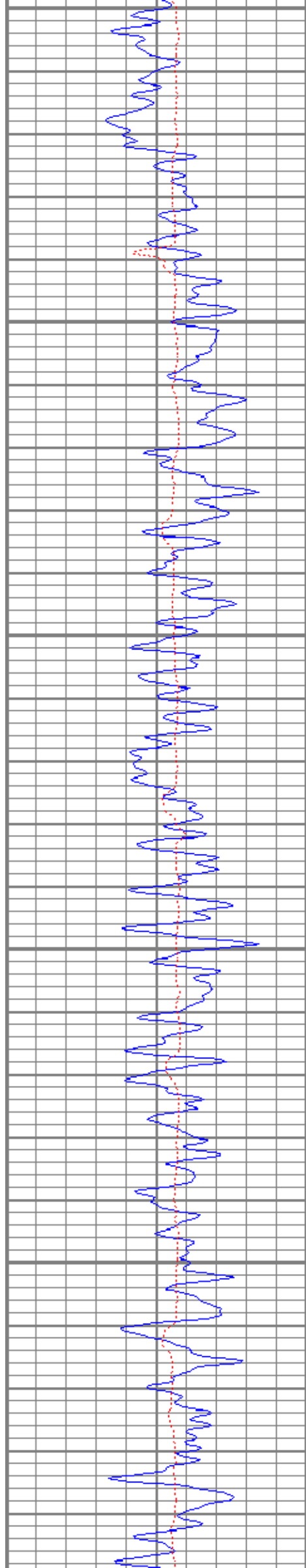
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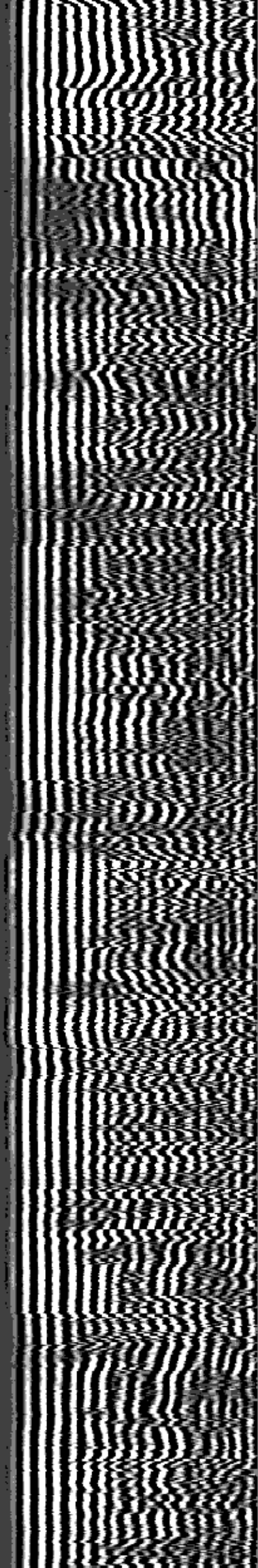
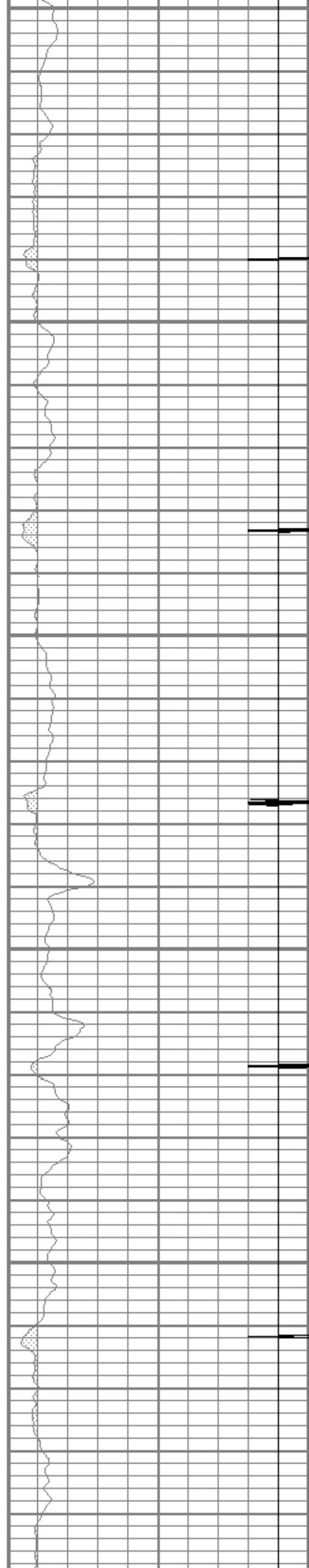


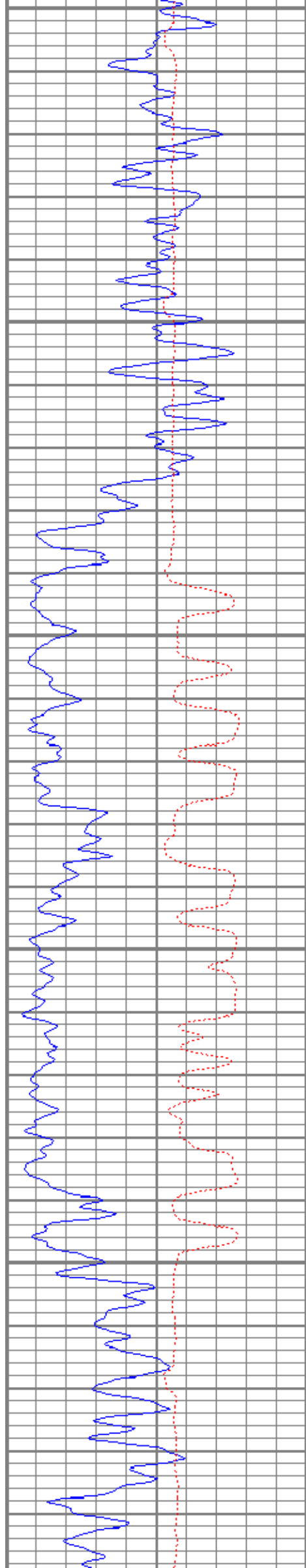
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1900
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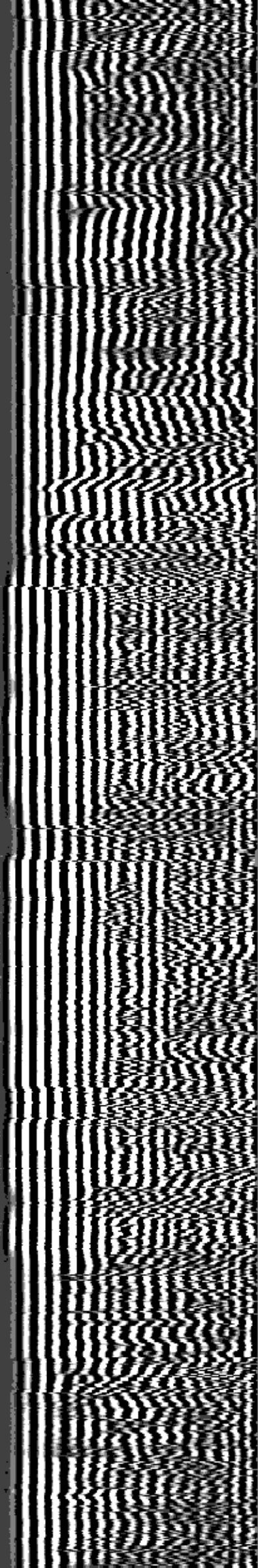
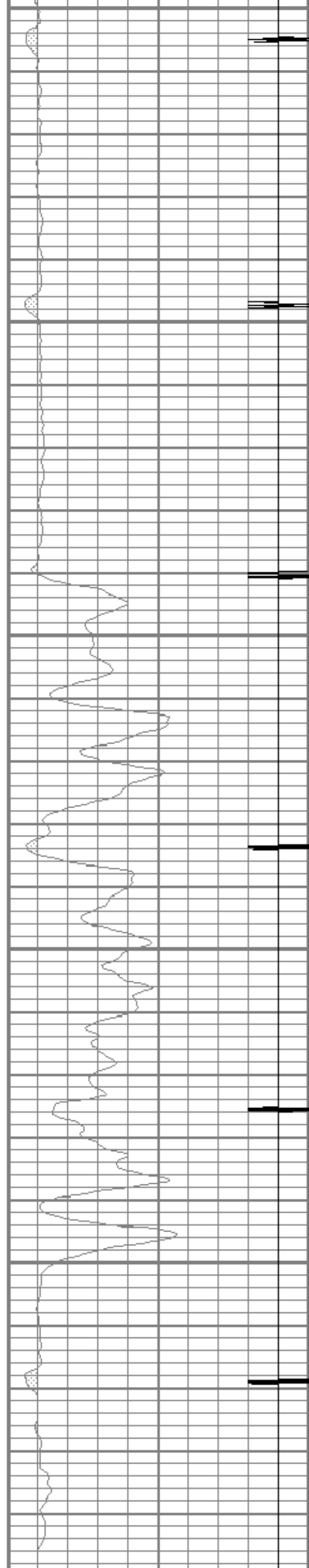


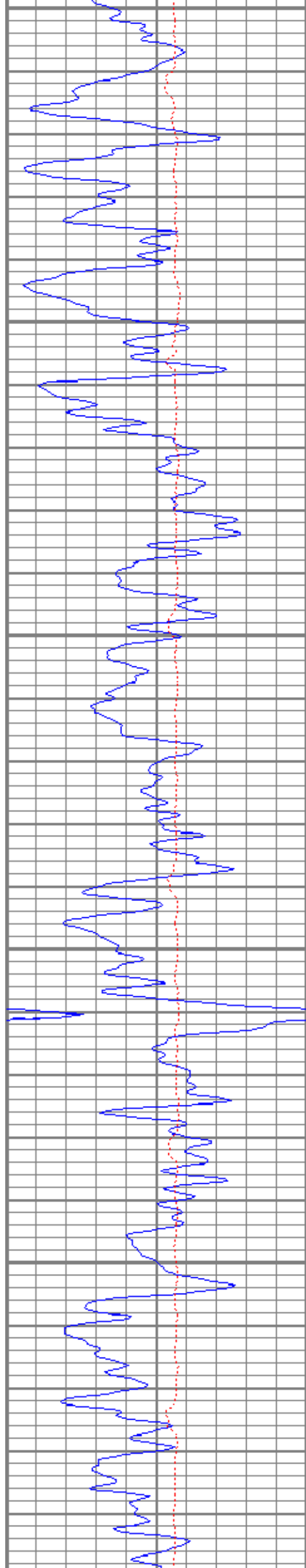
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2100
2150
2200



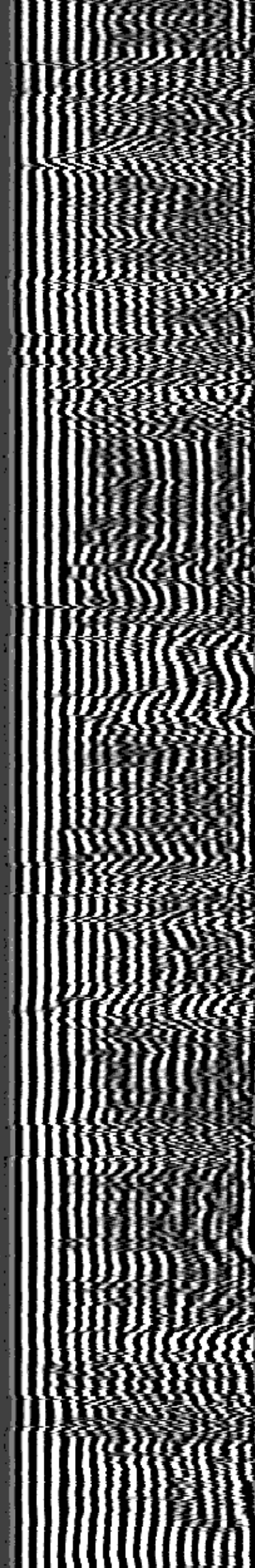
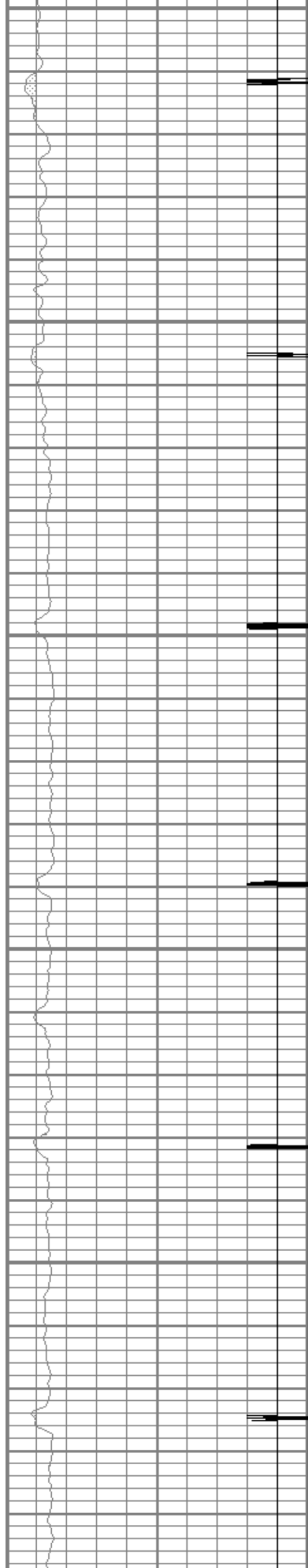


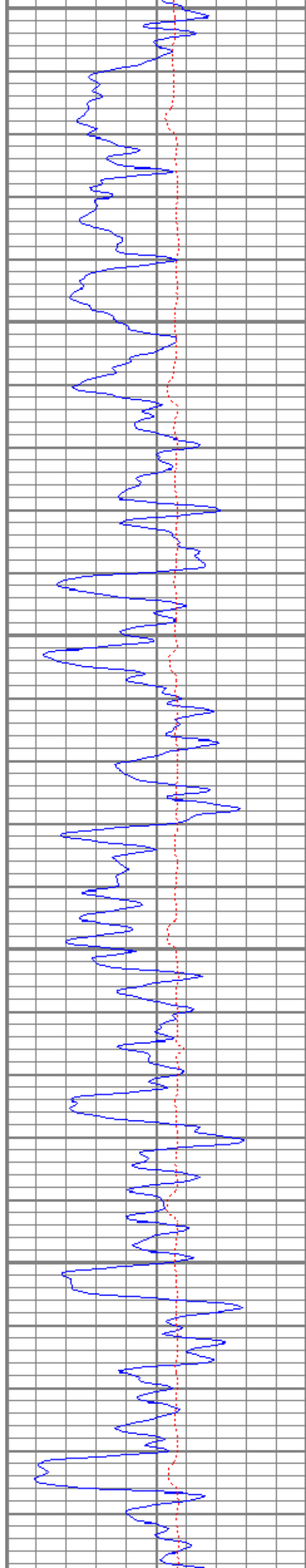
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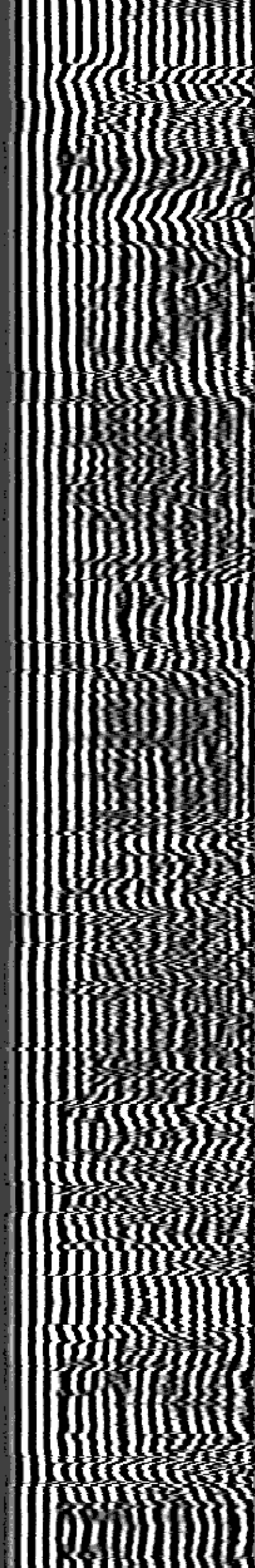
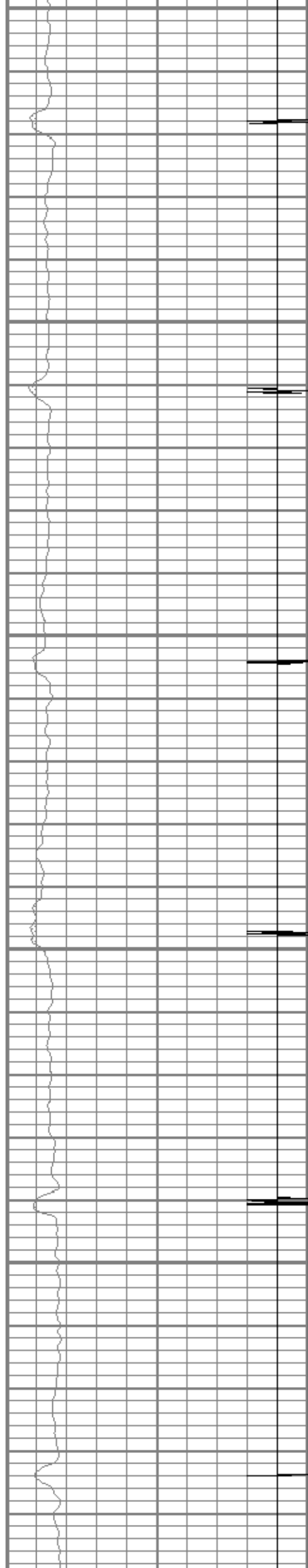


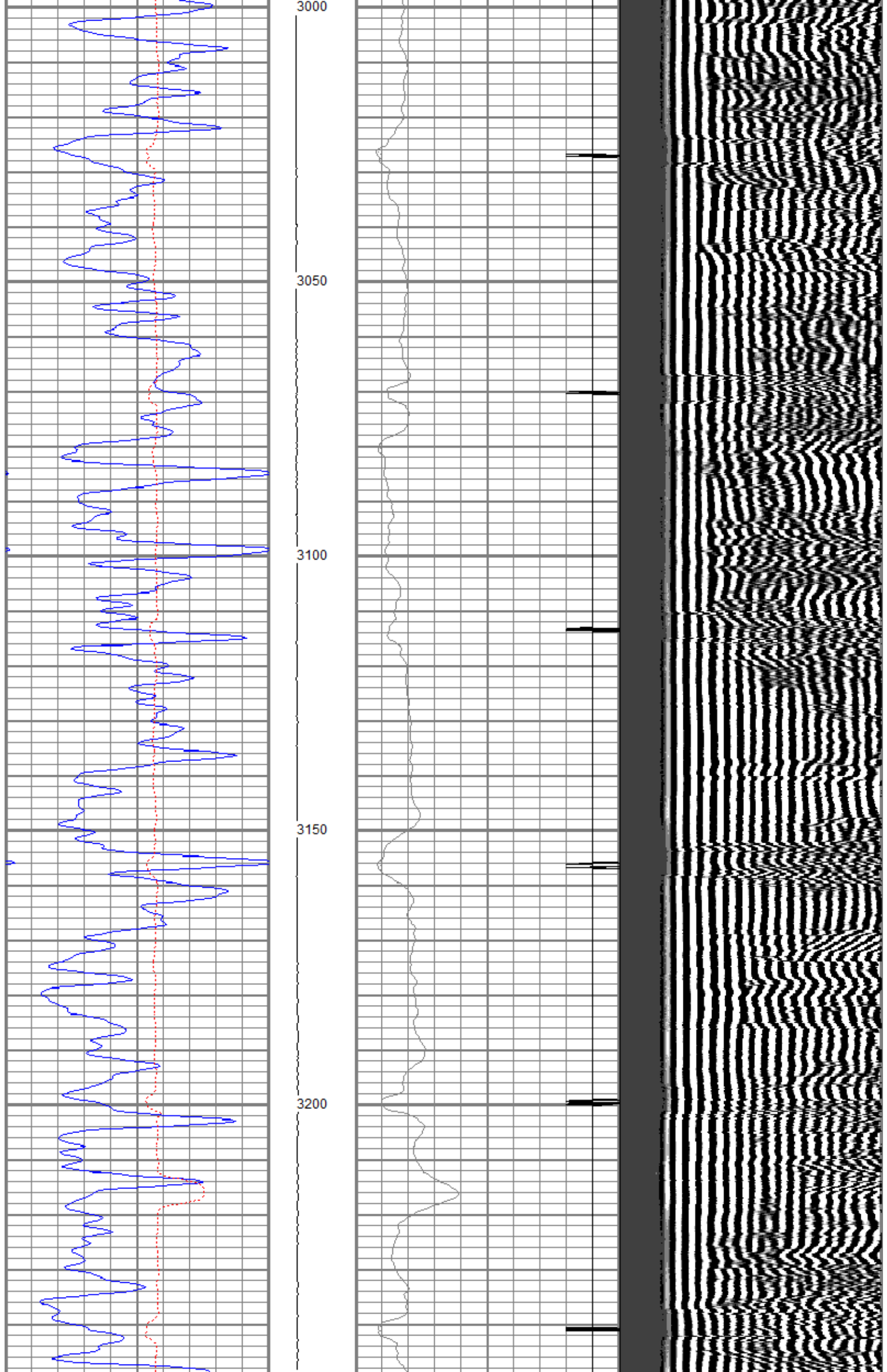
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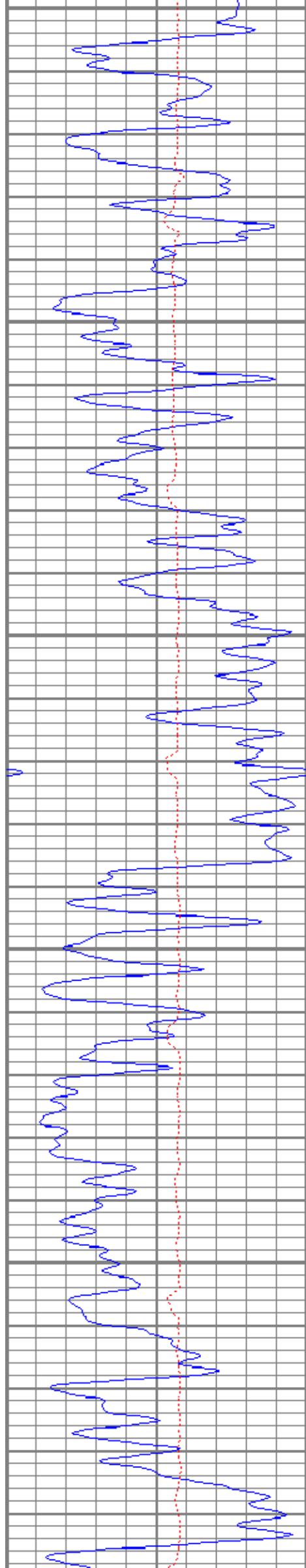




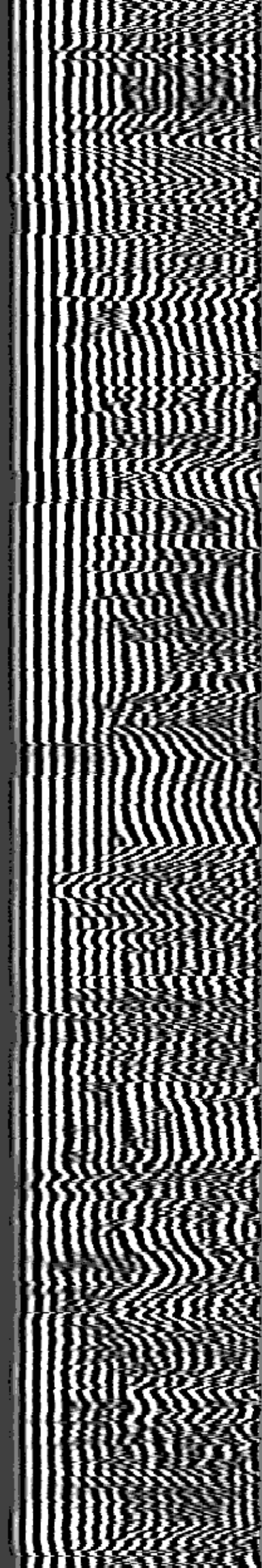
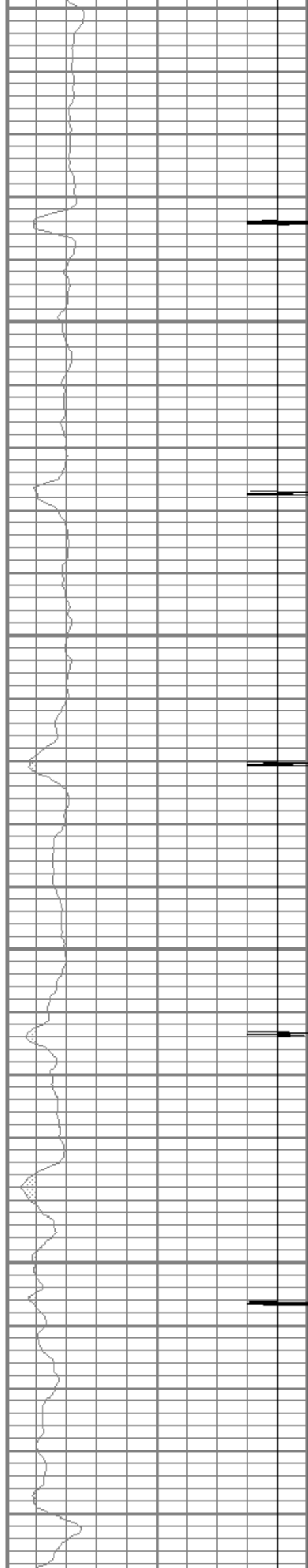
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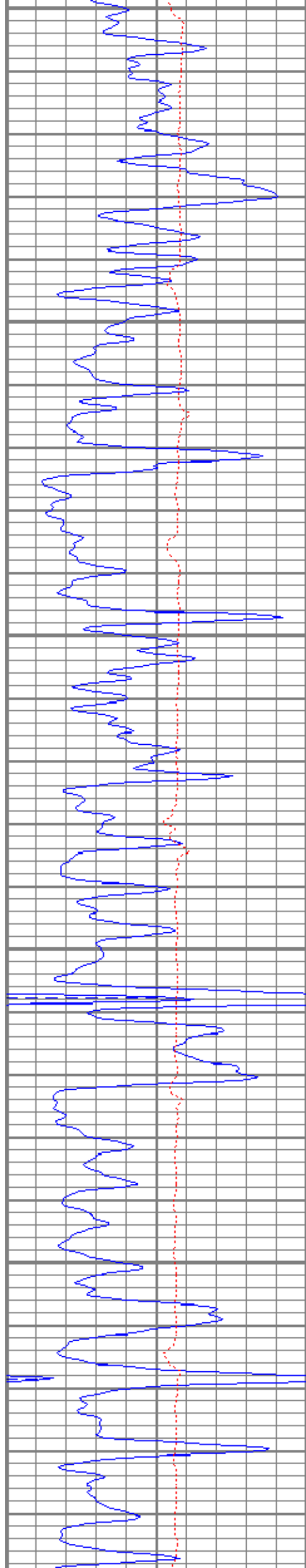




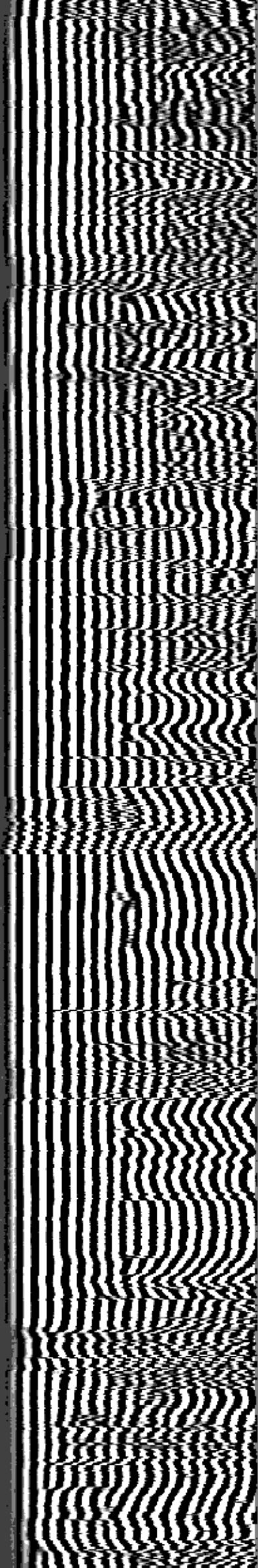
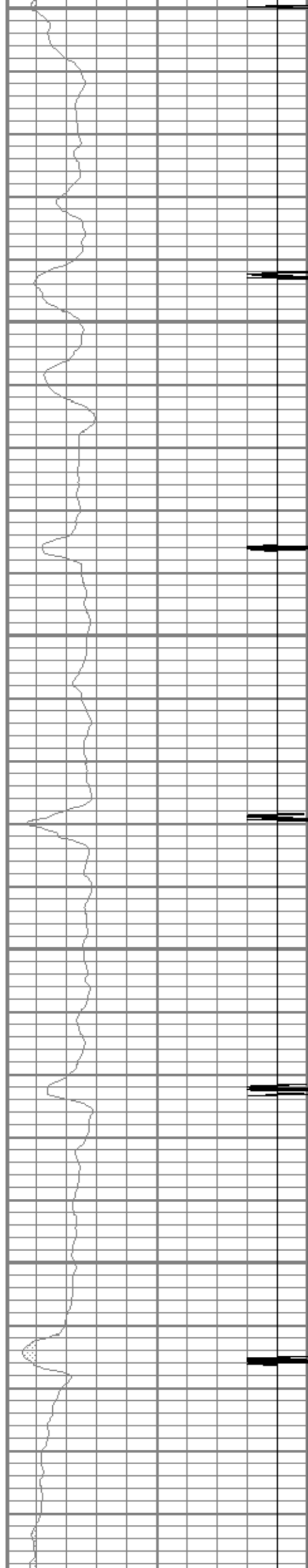


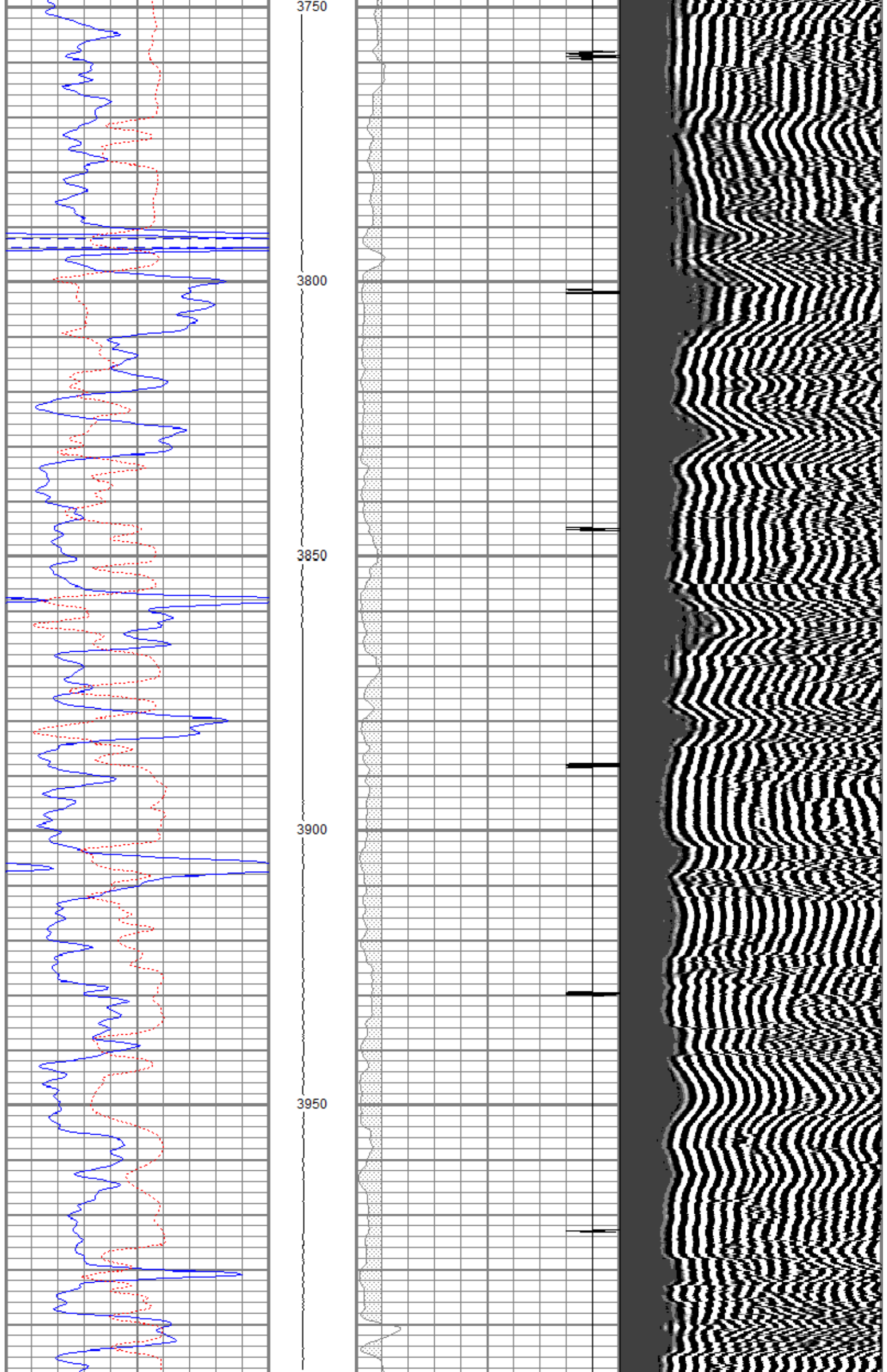
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3450

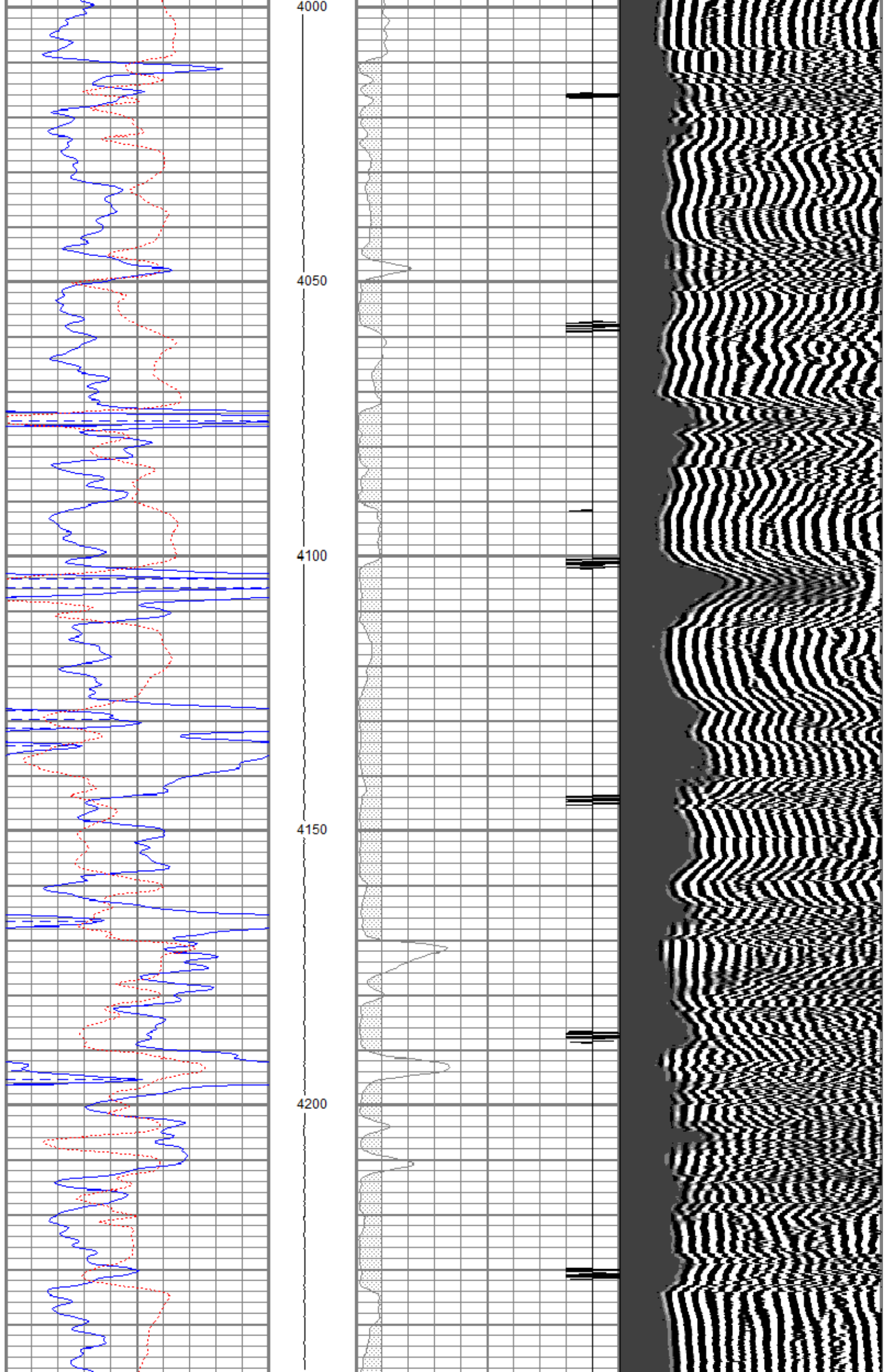


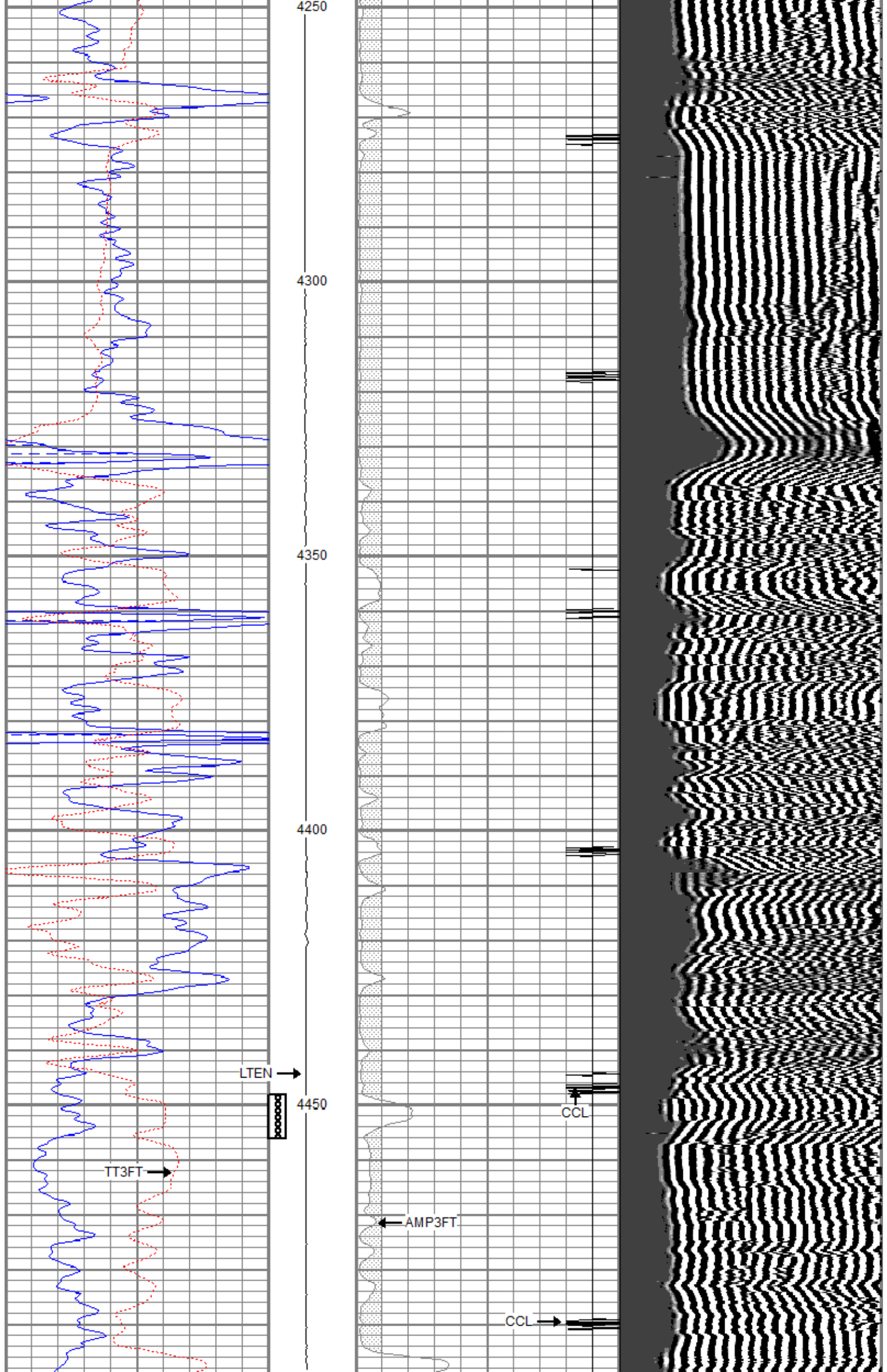


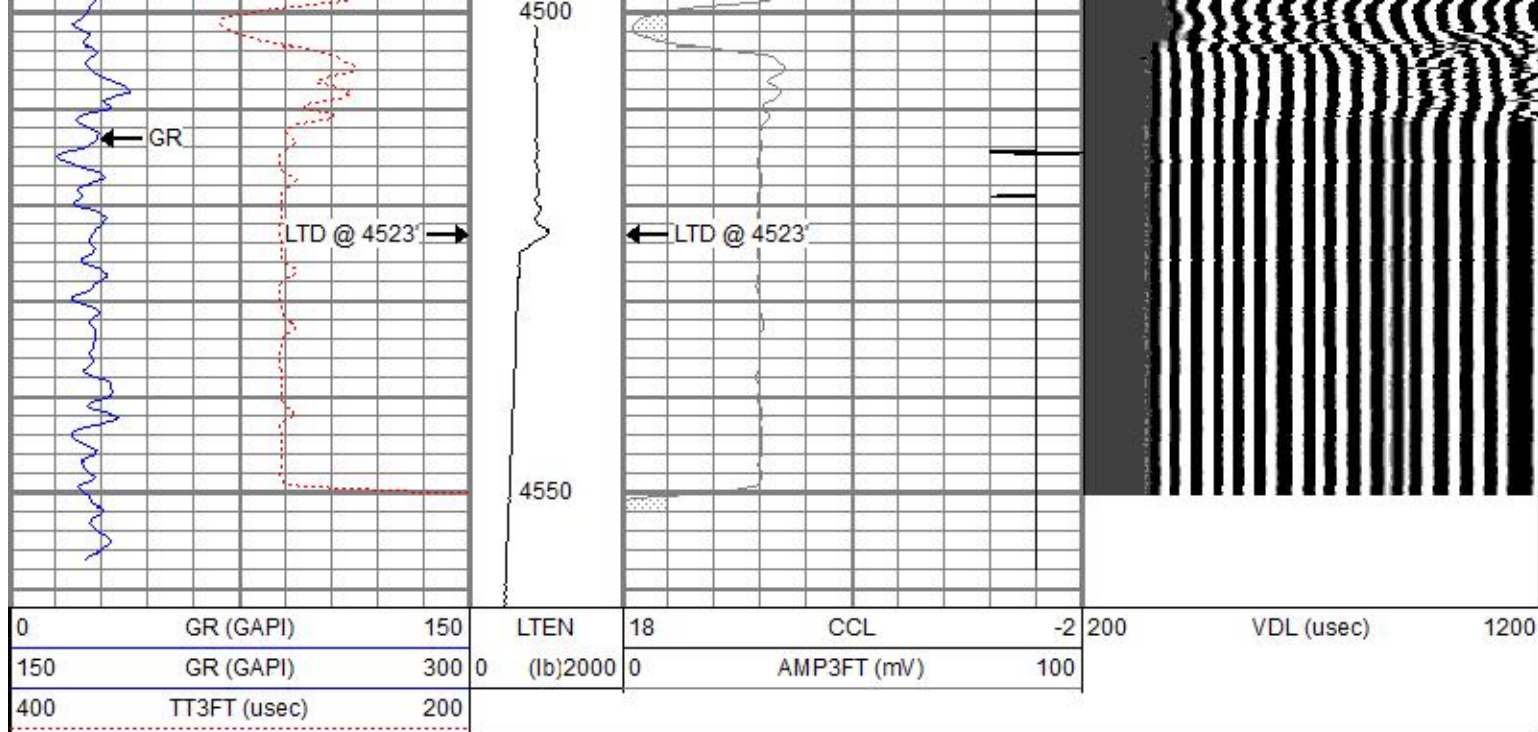
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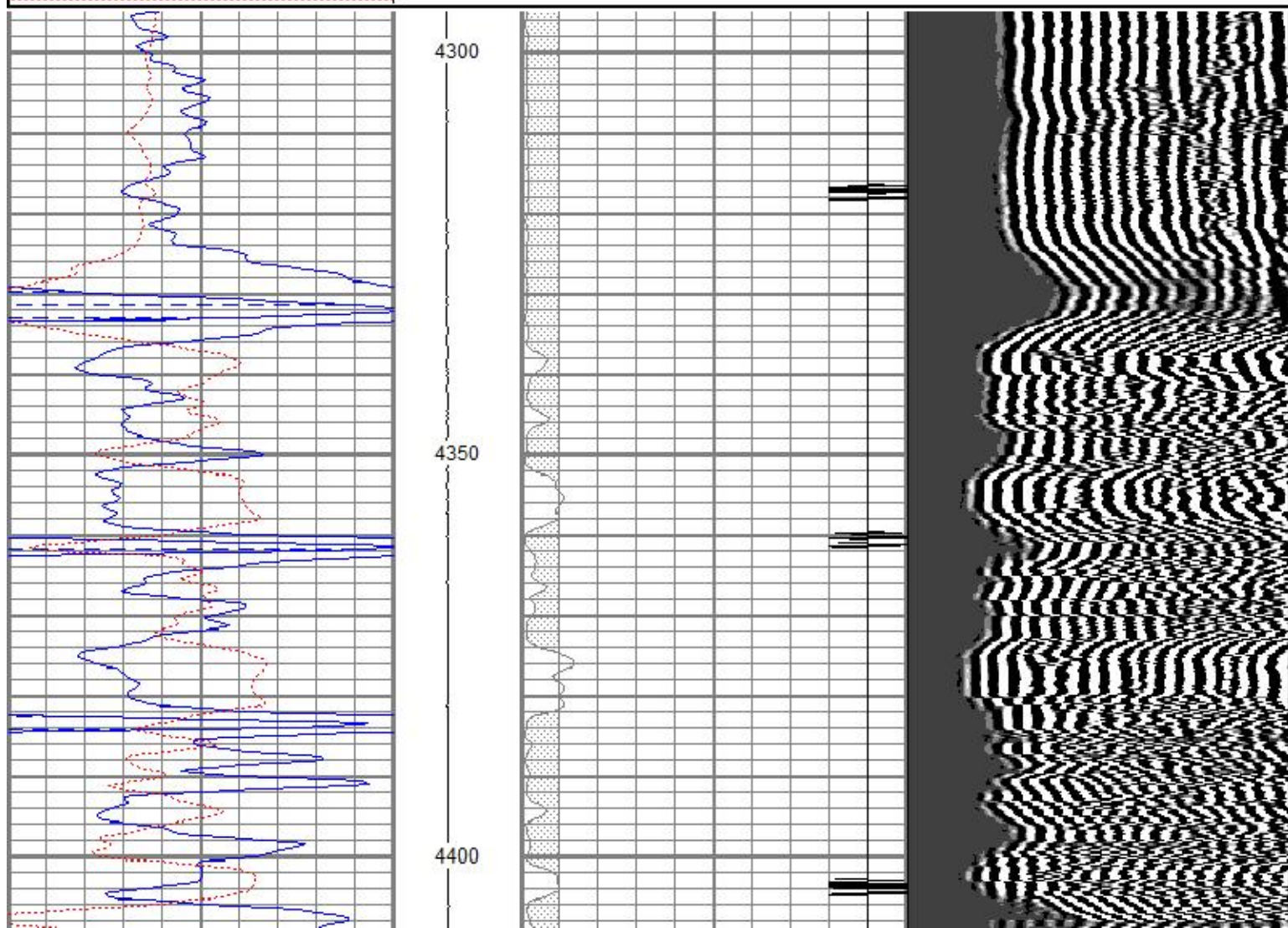


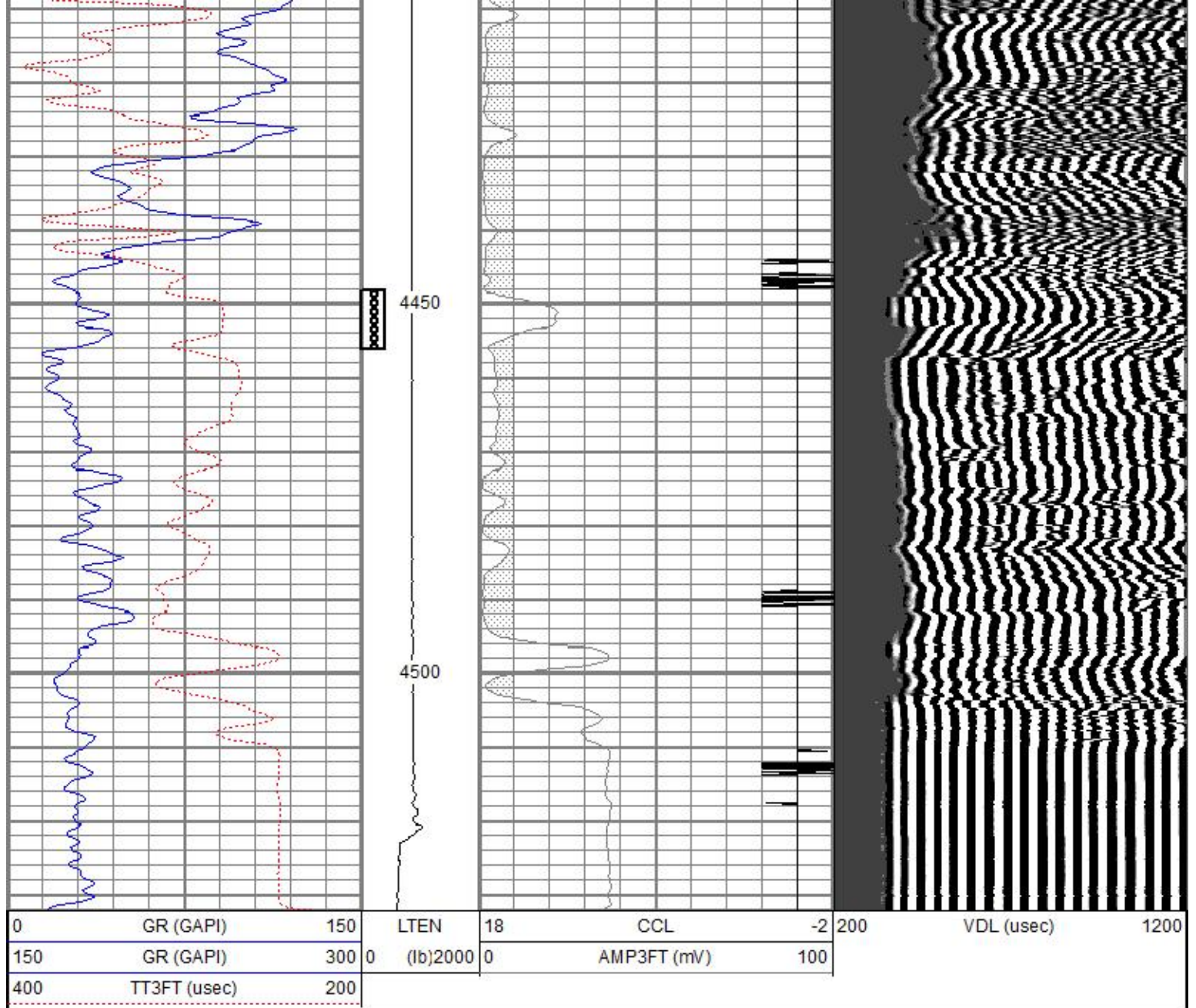


REPEAT SECTION

Database File presley op.db
 Dataset Pathname thornburg_a_1-34/run1/pass5
 Presentation Format cbl
 Dataset Creation Thu May 19 14:45:45 2022
 Charted by Depth in Feet scaled 1:240

0	GR (GAPI)	150	LTEN	18	CCL	-2	200	VDL (uSec)	1200
150	GR (GAPI)	300	0	(lb)2000	0	AMP3FT (mV)	100		
400	TT3FT (uSec)	200							





Dataset: presley op.db: field/thornburg_a_1-34/run1/pass6
Total length: 19.14 ft
Total weight: 172.00 lb
O.D.: 2.75 in

Log Variables

DatabaseC:\ProgramData\Warrior\Data\presley op.db
Dataset field/thornburg_a_1-34/run1/pass6/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 11.5	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.8	NPORSEL Limestone
NPORSHIFT 0	PERFS No	PPT usec 0	SRFTEMP degF 0	TDEPTH ft 0				

Variable Description

BOREID : Borehole I.D.	MINAMPL : Minimum Amplitude	SRFTEMP : Surface Temperature
BOTTEMP : Bottom Hole Temperature	MINATTN : Minimum Attenuation	TDEPTH : Total Depth
CASEOD : Casing O.D.	NPORSEL : Neutron Porosity Curve Select	
CASETHCK : Casing Thickness	NPORSHIFT : NPORSHIFT	
CASEWGHT : Casing Weight	PERFS : Perforation Flag	
MAXAMPL : Maximum Amplitude	PPT : Predicted Pipe Time	

Calibration Report

Database File presley op.db
Dataset Pathname thornburg_a_1-34/run1/pass5
Dataset Creation Thu May 19 14:45:45 2022

Gamma Ray Calibration Report

Serial Number:	080224	
Tool Model:	Probe1	
Performed:	Thu Jul 15 13:17:24 2021	
Calibrator Value:	200.0	GAPI
Background Reading:	15.0	cps
Calibrator Reading:	222.7	cps
Sensitivity:	1.2000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	061007	
Tool Model:	DigitalCBL	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	2260.167	ft

Master Calibration, performed Fri Jun 26 15:19:51 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.066	0.822	1.000	71.921	93.828	-5.212
CAL						
5'	0.071	0.371	1.000	71.921	236.298	-15.721
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL						

Air Zero Calibration, performed Thu Mar 01 12:10:51 2018:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1			
S2			
S3			
S4			
S5			
S6			
S7			
S8			

Company	PRESLEY OPERATING LLC.		
Well	THORNBURG TRUST A 1-34		
Field	CHAPMAN		
County	GOVE	State	KANSAS
		CEMENT BOND LOG	