

CEMENT BOND LOG GAMMA RAY CCL V D L

Company	Noble Energy INC.	Company	Noble Energy INC.
Well	WALHERT AC 33-66HN	Well	WALHERT AC 33-66HN
Field	Wattenberg	Field	Wattenberg
County	Weld	County	Weld
State	Colorado	State	Colorado
Location:	API #: 05123345170000		Other Services
Permanent Datum	GL	Elevation	4782
Log Measured From	KB 24'	Elevation	K.B. 4806
Drilling Measured From	KB	Elevation	D.F. 4805
		Elevation	G.L. 4782
Date	April 4, 2012		
Run Number	One		
Depth Driller	11,110		
Depth Logger	6919		
Bottom Logged Interval	6918		
Top Log Interval	Surface		
Casing Size	7.0"		
Type Fluid	Water		
Max. Recorded Temp.	213 deg F		
Estimated Cement Top	400		
Time Well Ready	Crane		
Time Logger On Bottom	AM		
Unit Number	4367	4515	
Tool Size / ID Number	2.75 Probe 101010	2.75 Probe 110802	
Location	Platteville, CO		
Recorded By	K. Monaghan		
Witnessed By	A. Anderson		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
			From
			To
Casing Record	Size	Wgt/Ft	Top
Surface String	9 5/8"	36 lb/ft J-55	Surface
Prot. String			841.3
Production String	7.0"	28 lb/ft P-110	Surface
Liner	4 1/2"	11.6 lb/ft P-110	7183.4
			11,110

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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

Thank You For Choosing Superior Well Services!!!
API# 05-123-34517-0000
Wireline Zero @ 24' KB
Directions: 65 & 74, N 1/2, E Into
(Southern Well on 3 Well Pad)

Database File: cblwahlert ac33-66hn.db
Dataset Pathname: pass4
Presentation Format: noble en
Dataset Creation: Wed Apr 04 07:48:24 2012 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

95	CCL	-5
30	Gamma Ray (GAPI)	130
340	TT3 (usec)	240

0	Amplified Amplitude (mV)	30
0	Amplitude (mV)	100

Variable Density	1200
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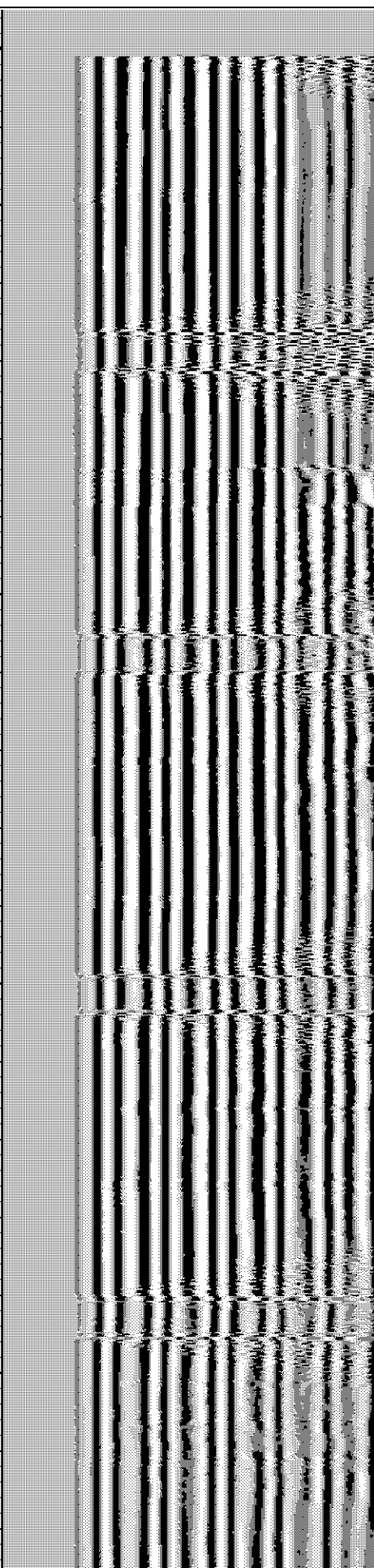
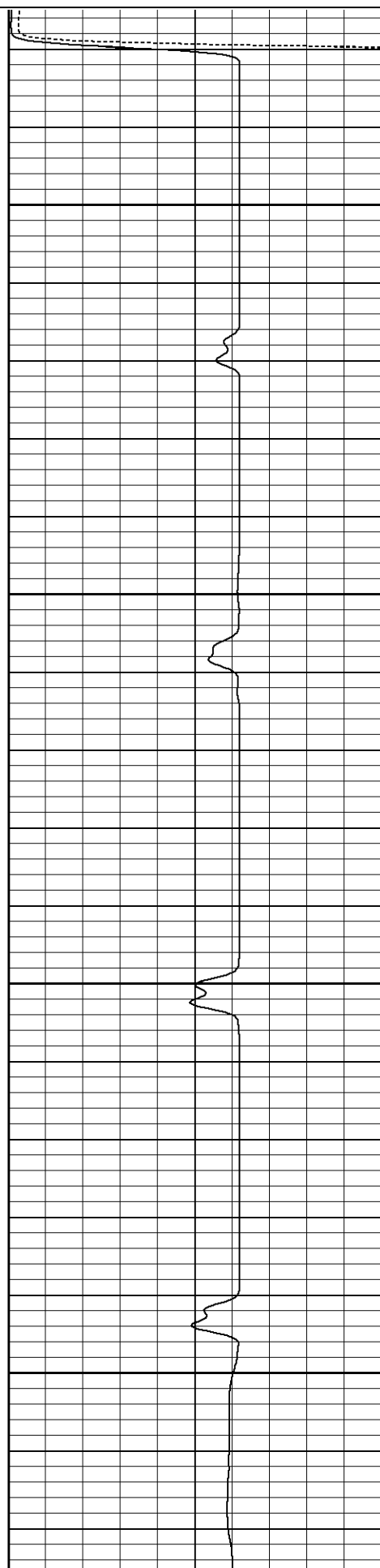


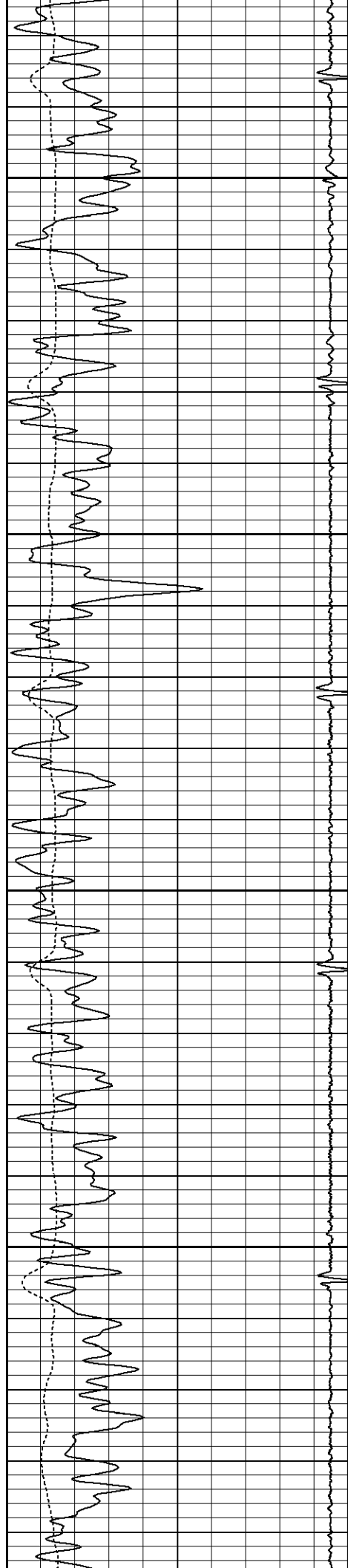
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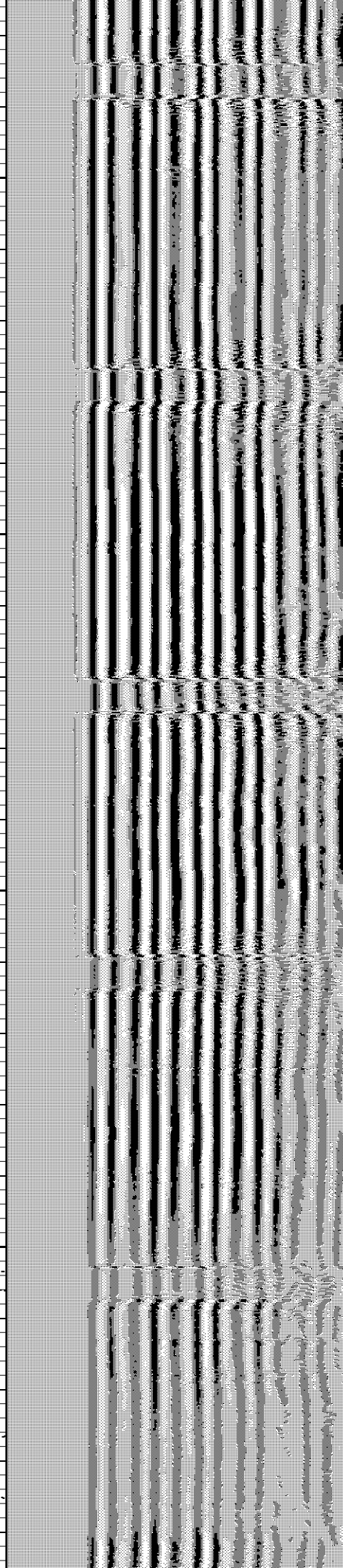
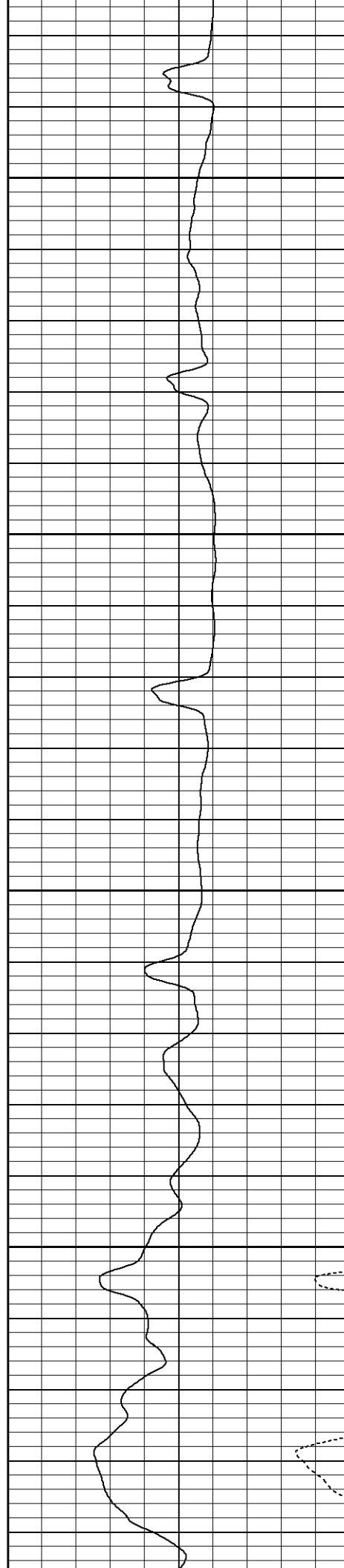


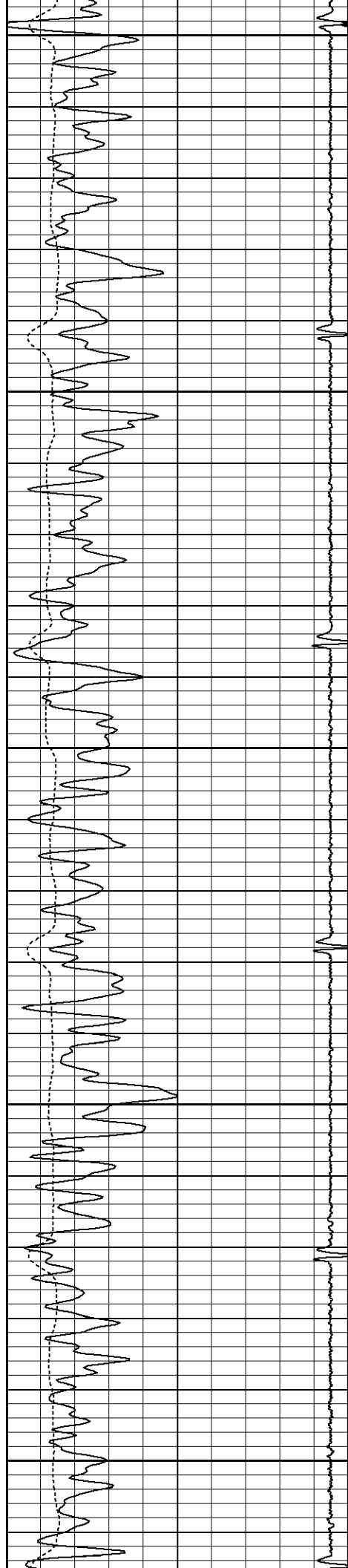
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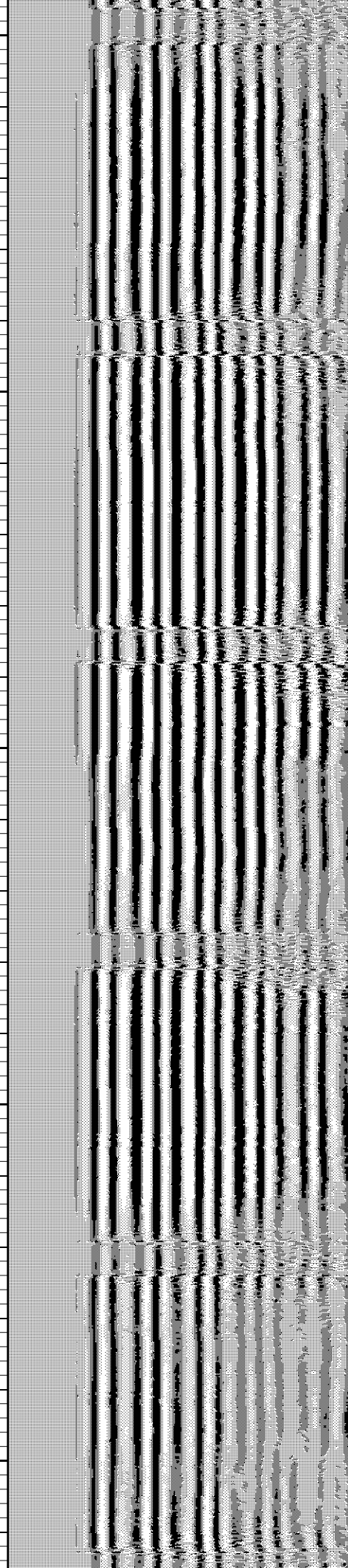
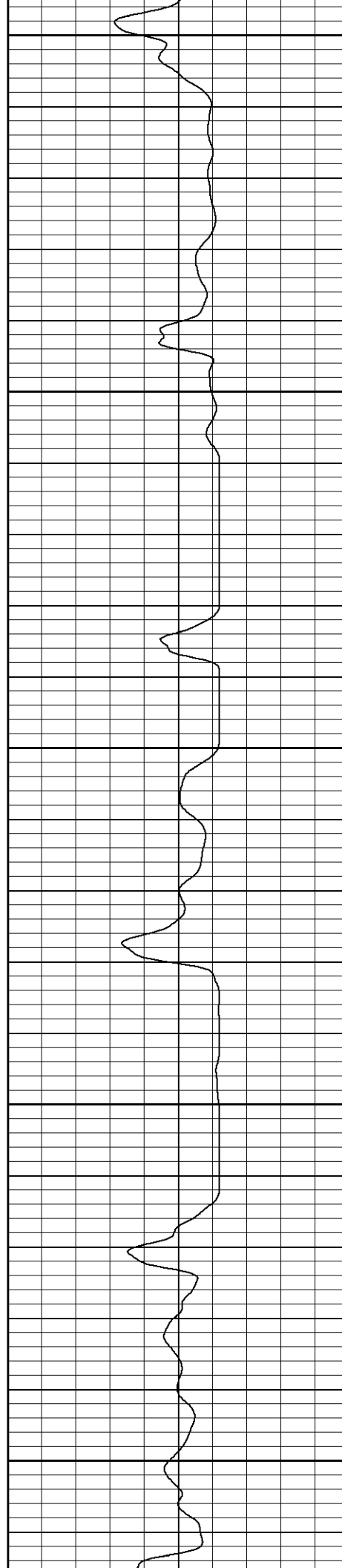
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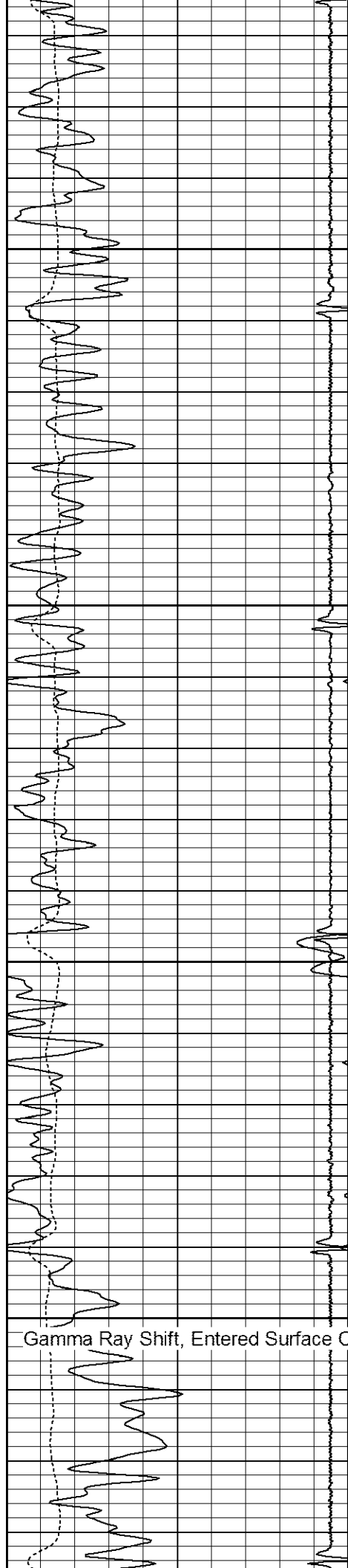
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650





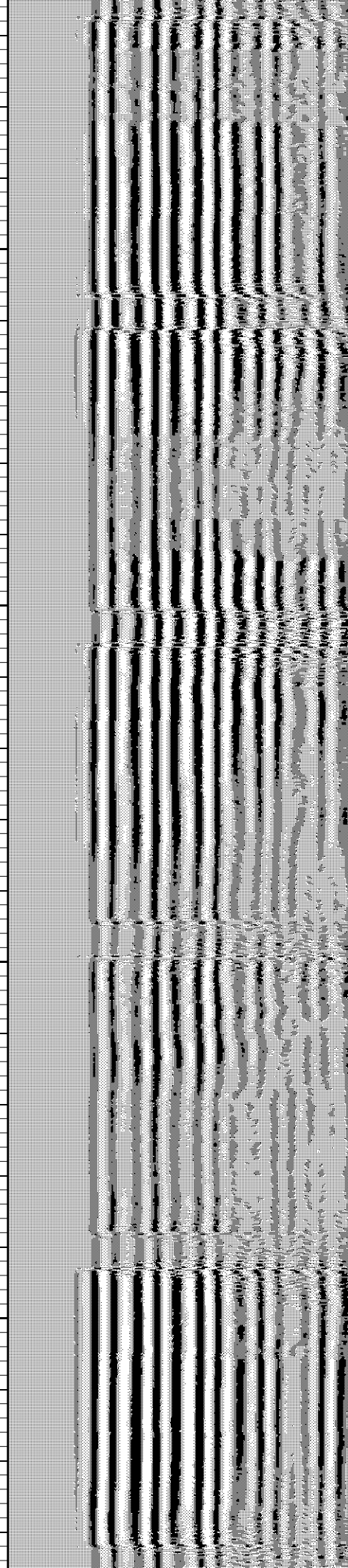
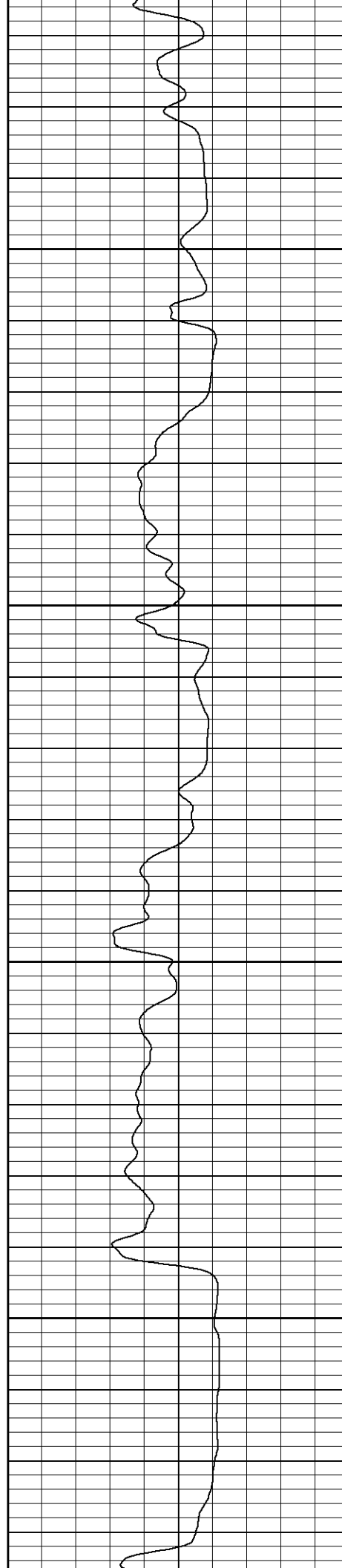
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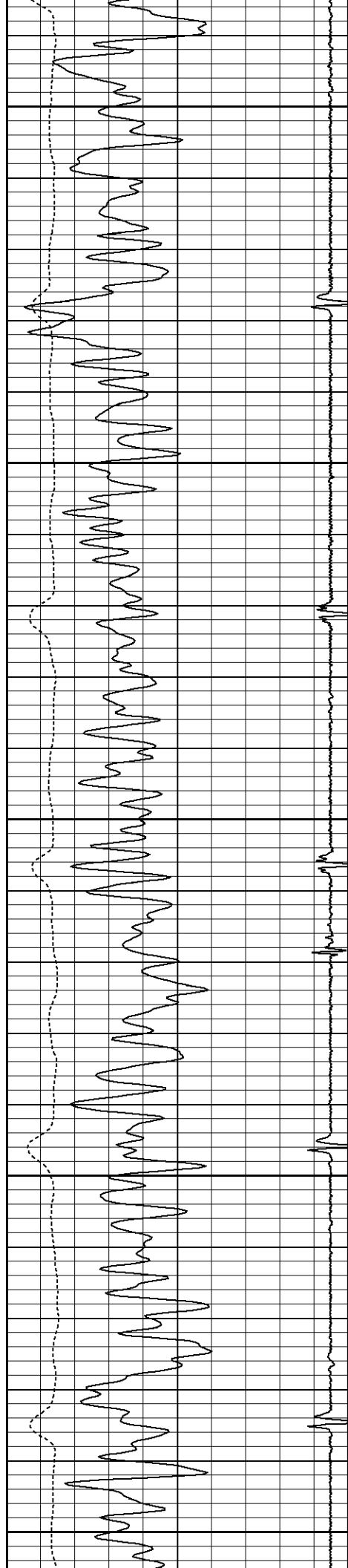
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850

Gamma Ray Shift, Entered Surface Casing





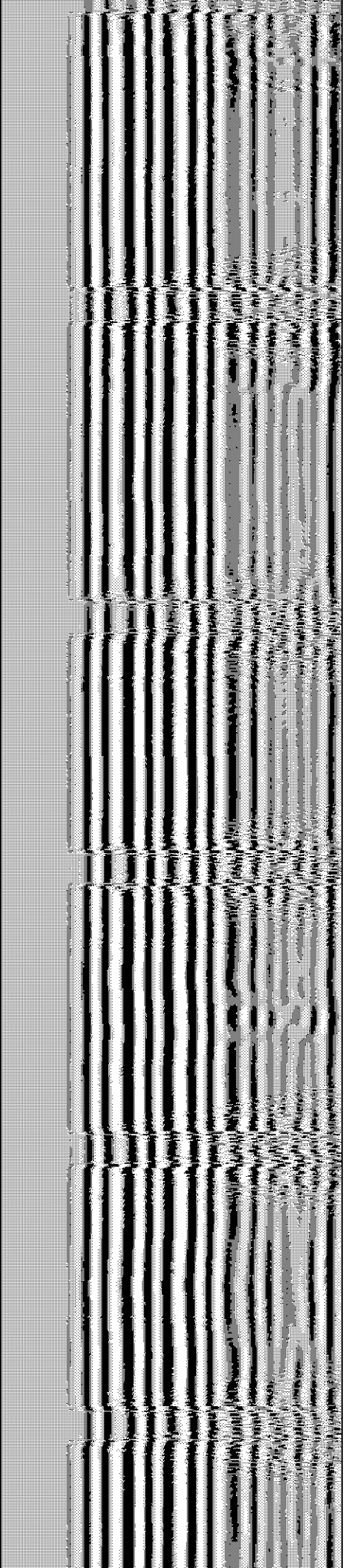
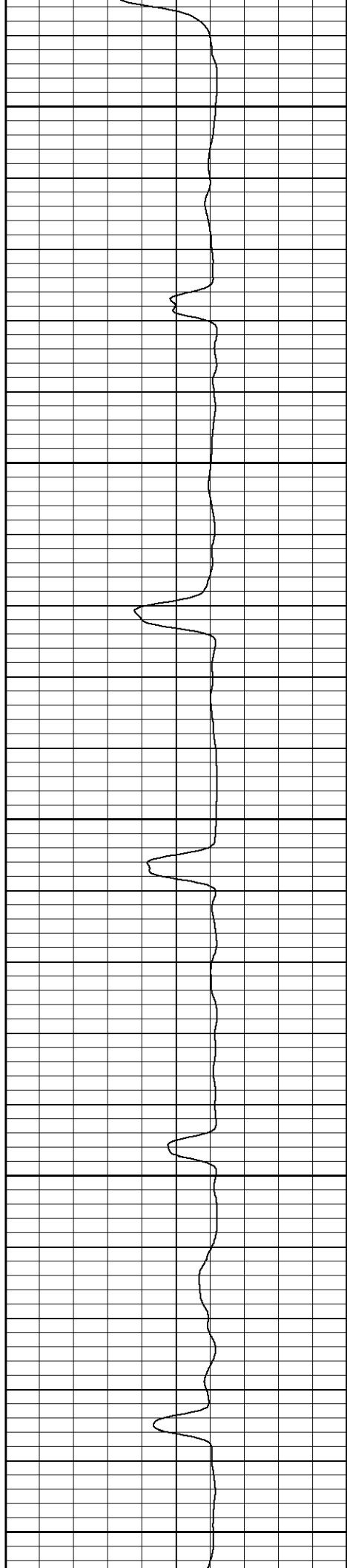
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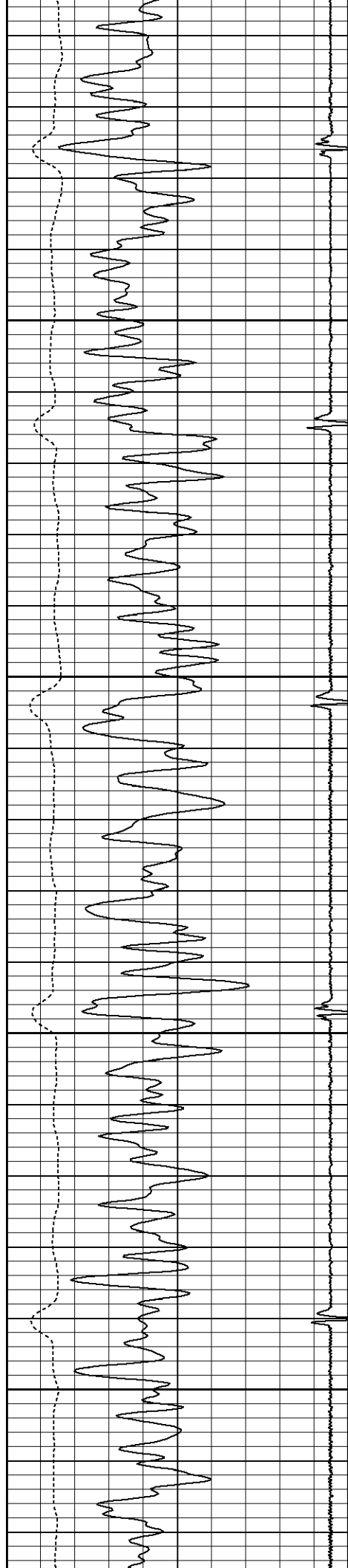
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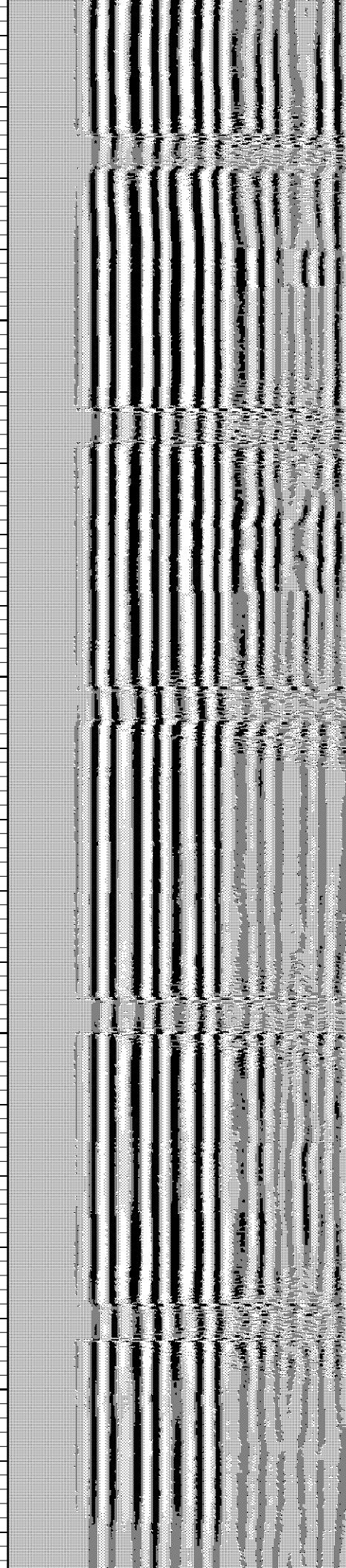
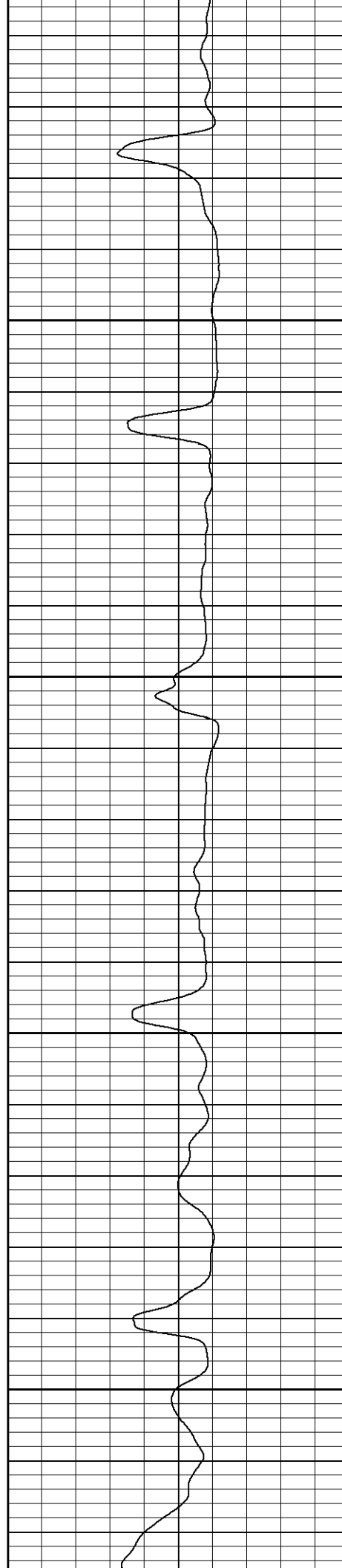


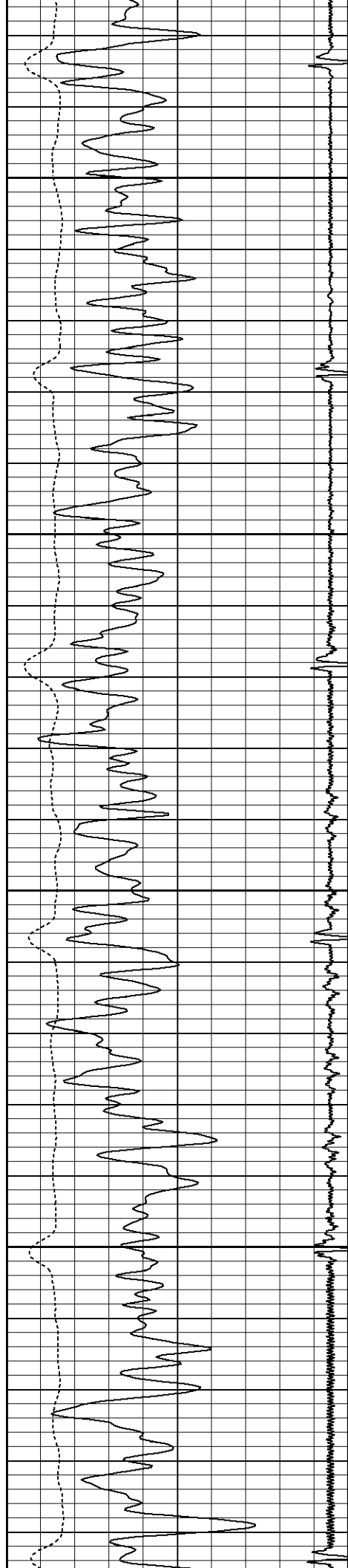
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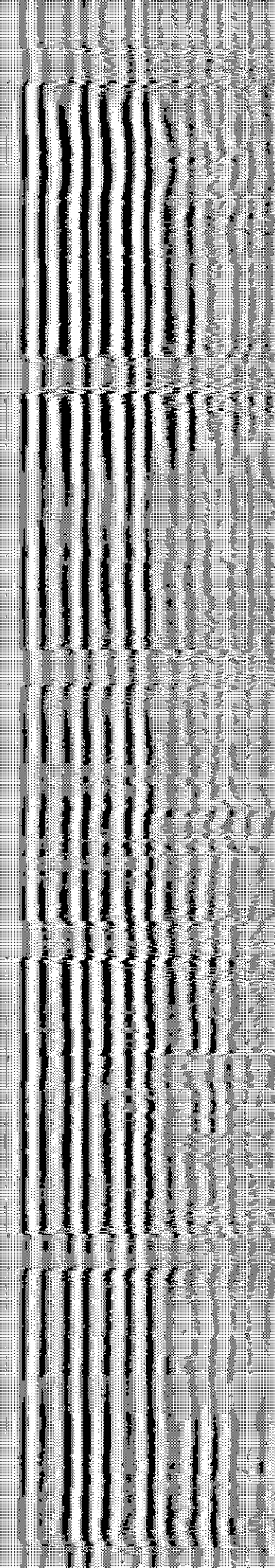
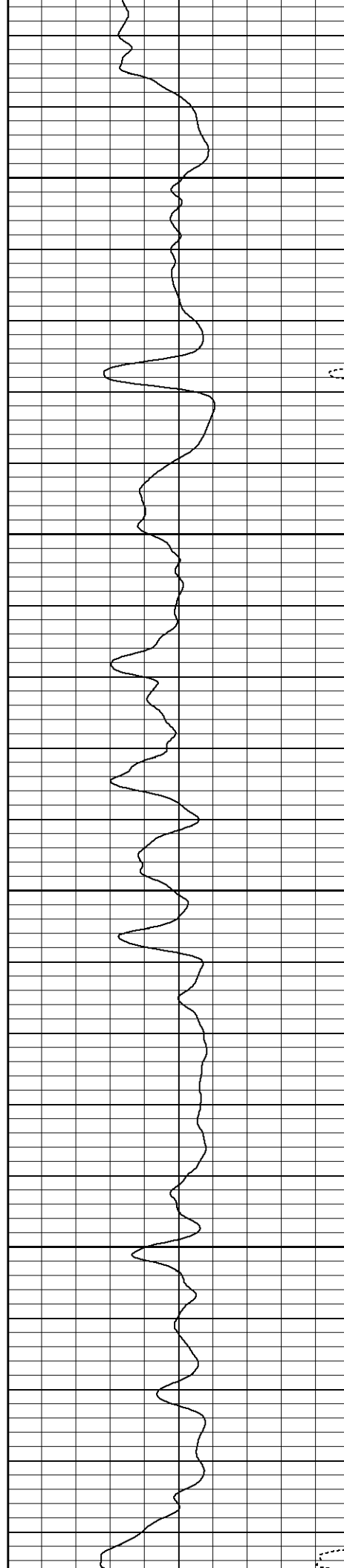


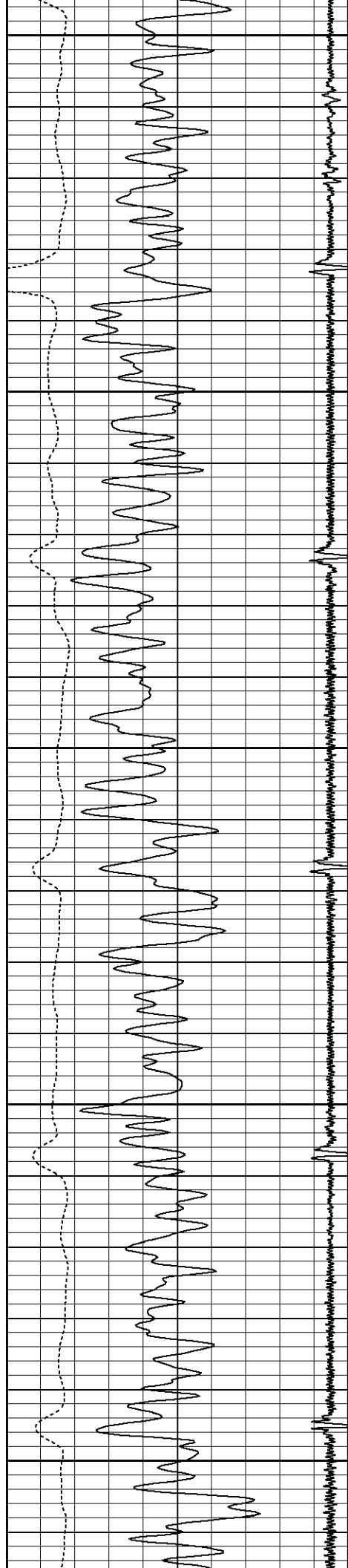
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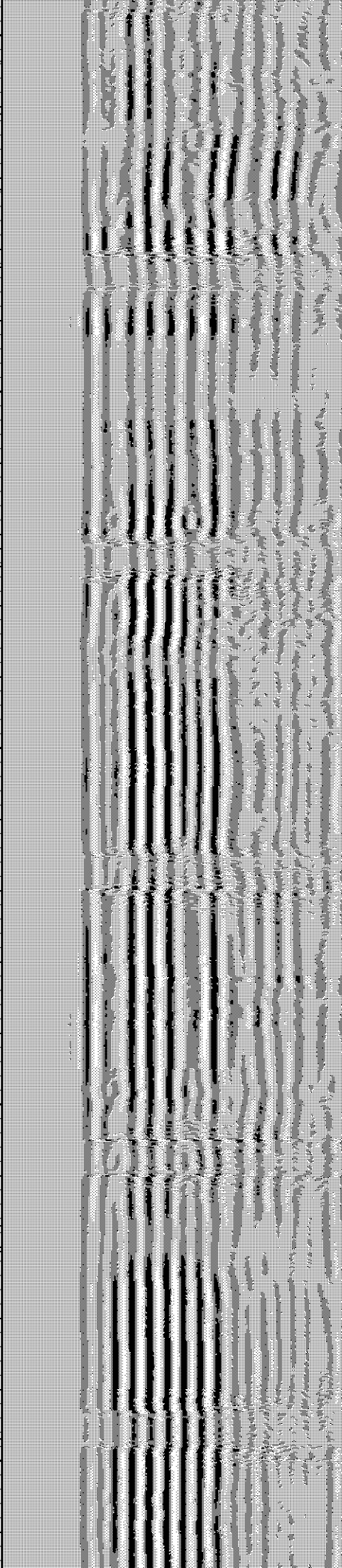
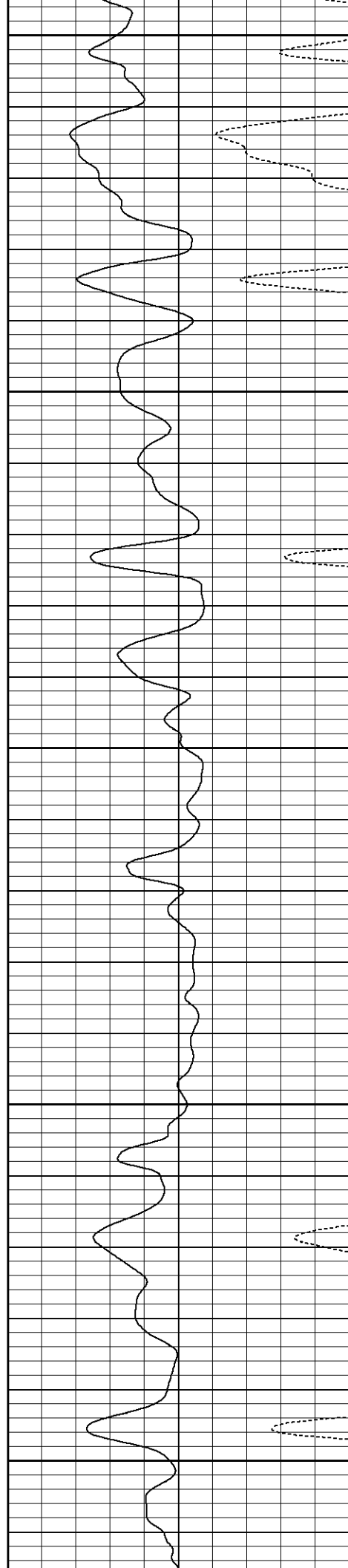
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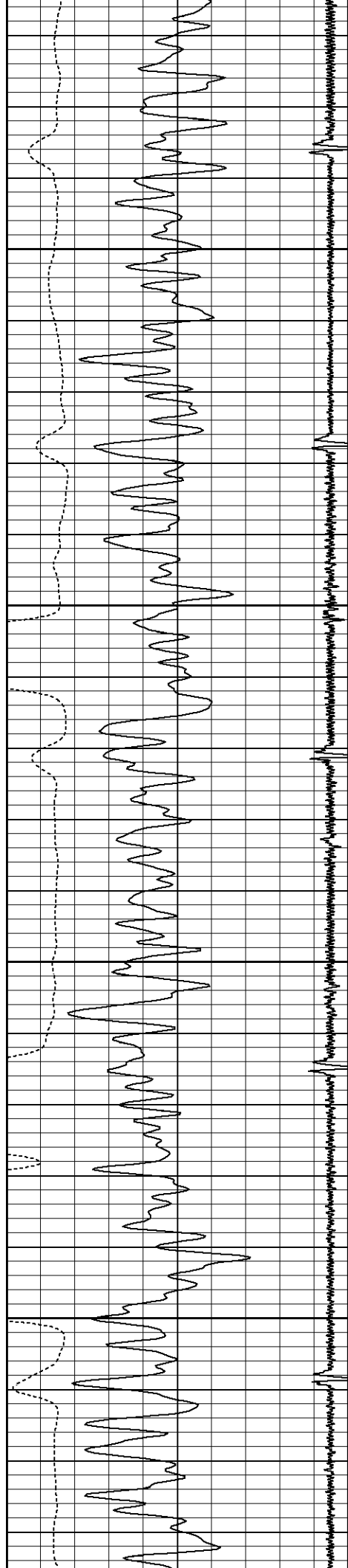
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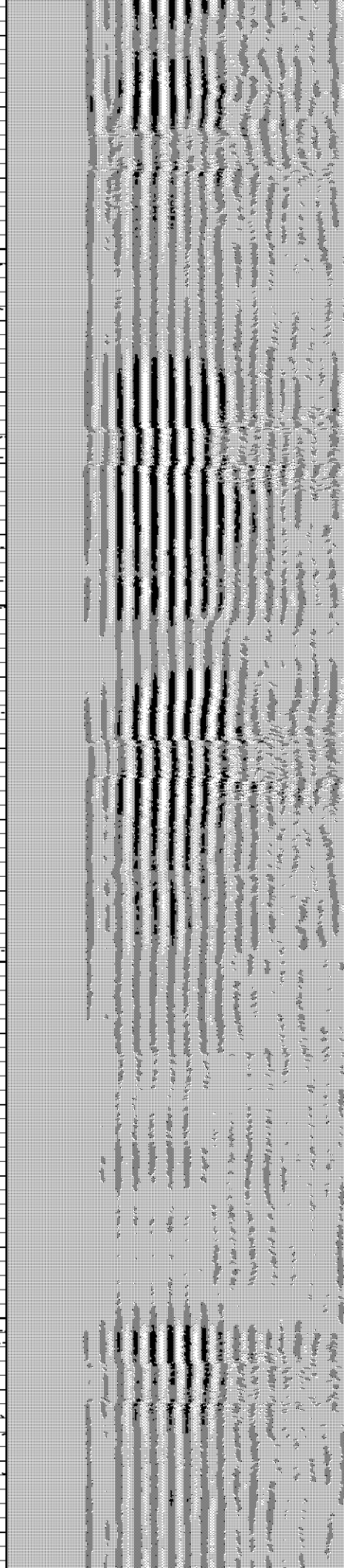
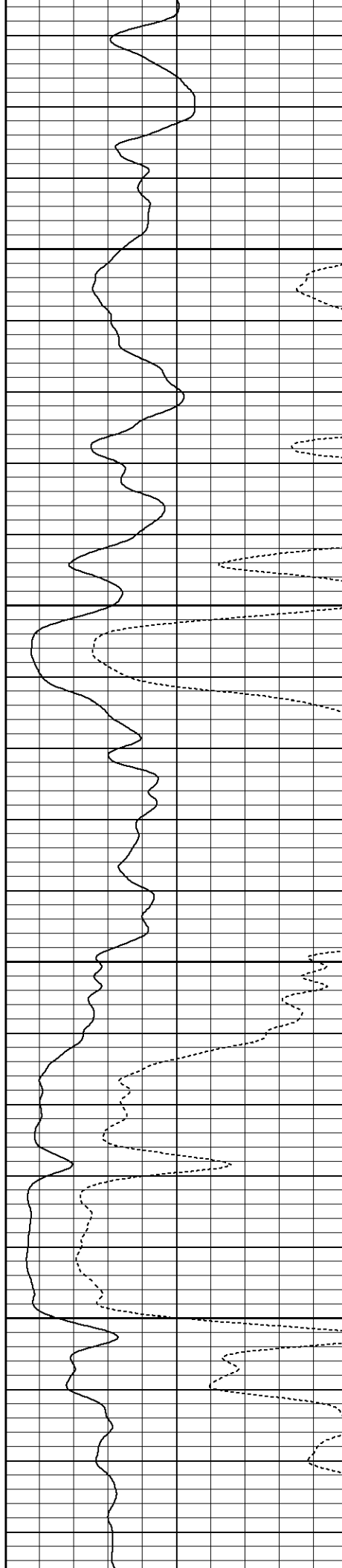


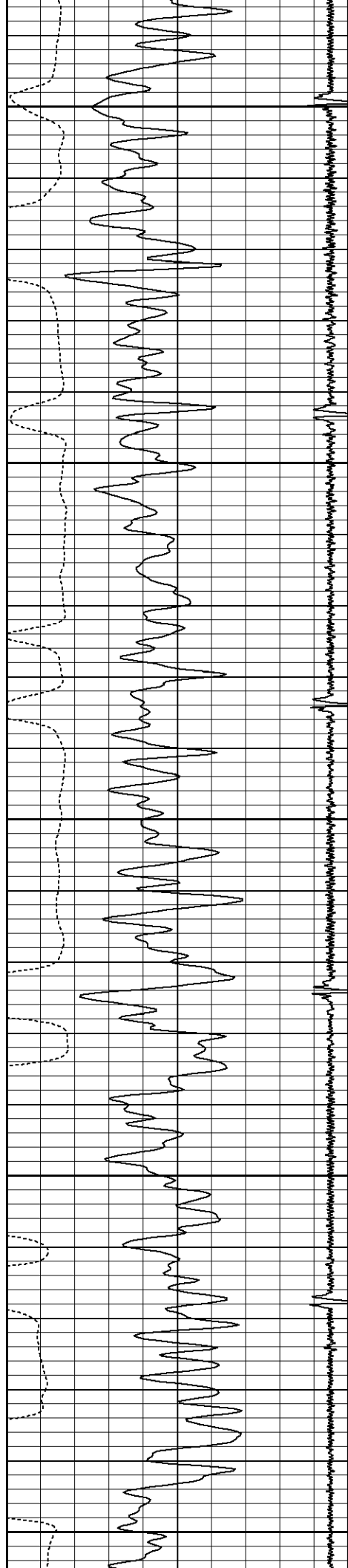
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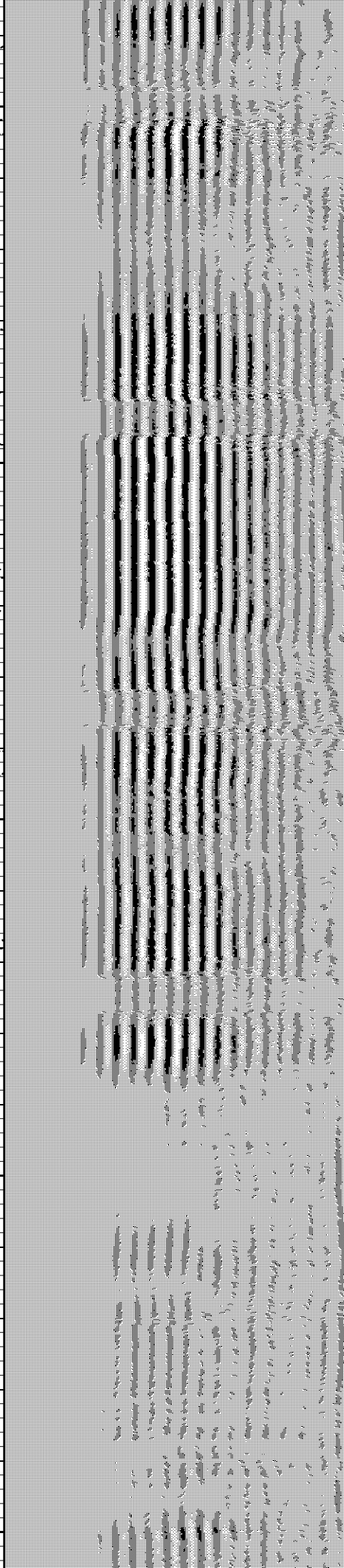
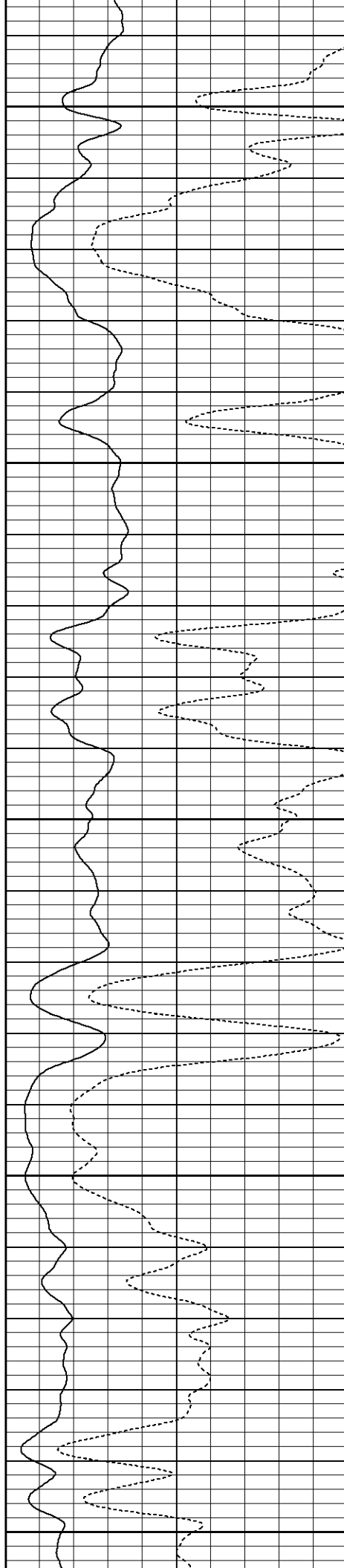
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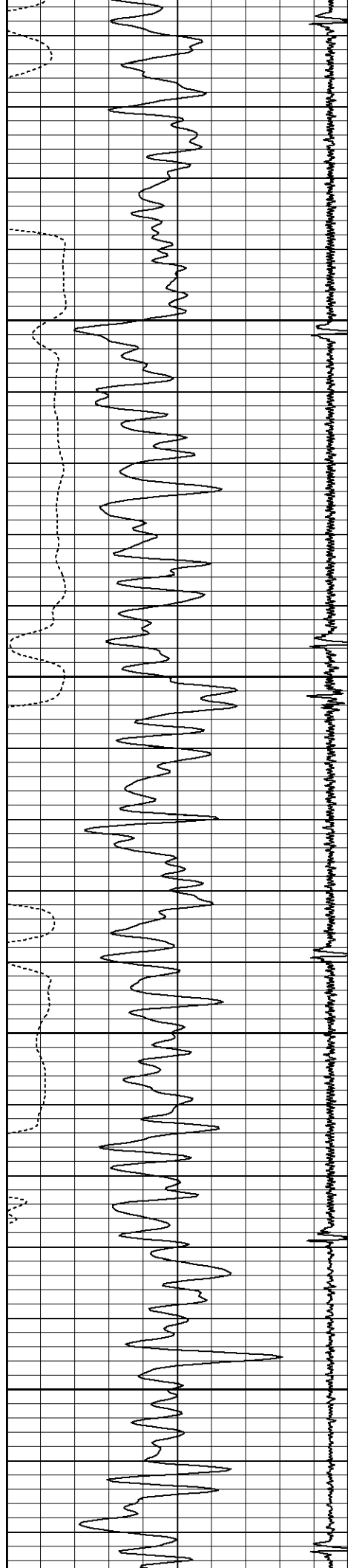
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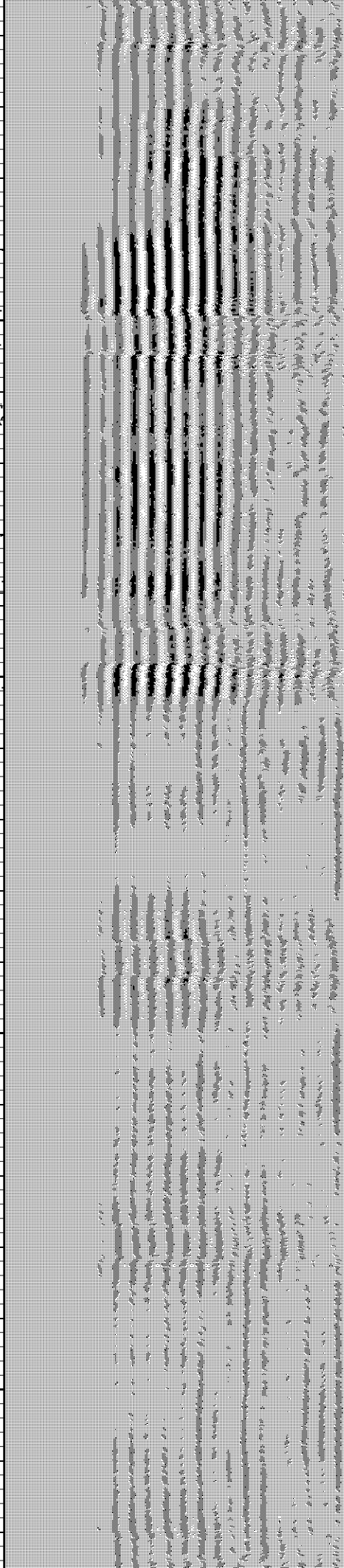
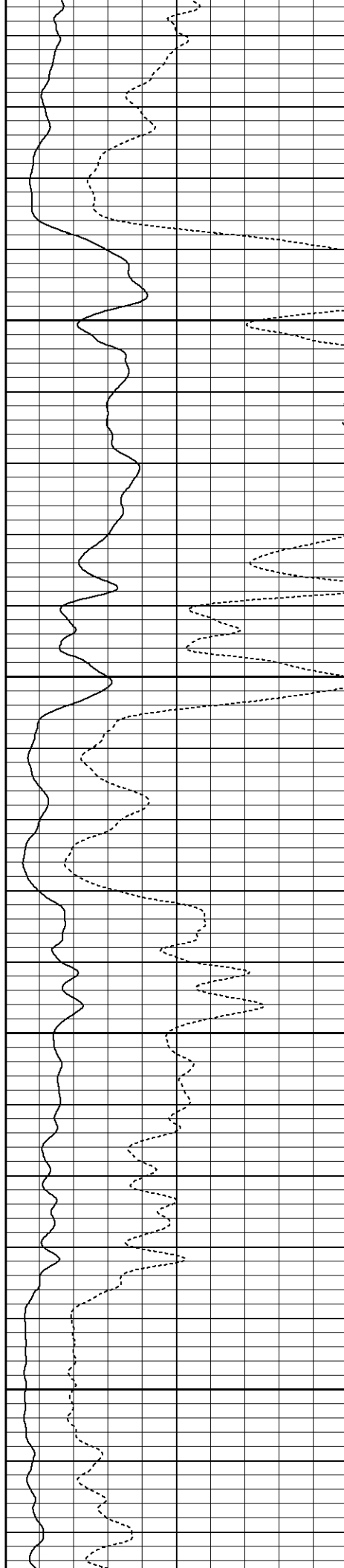


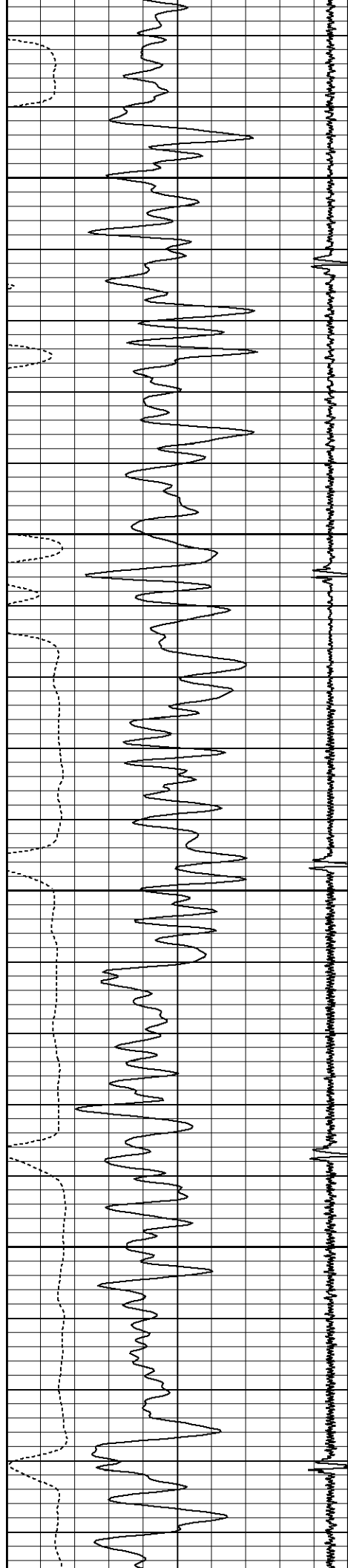
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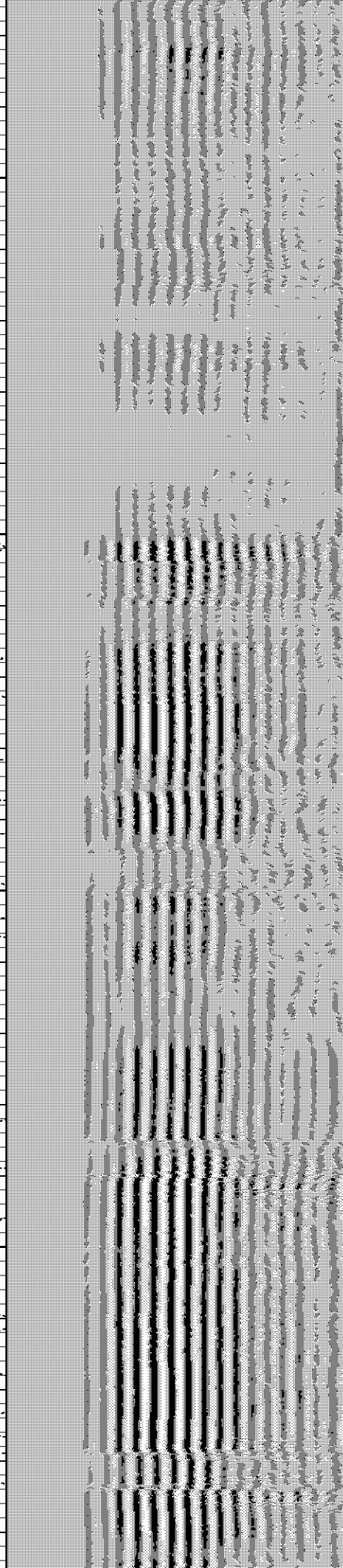
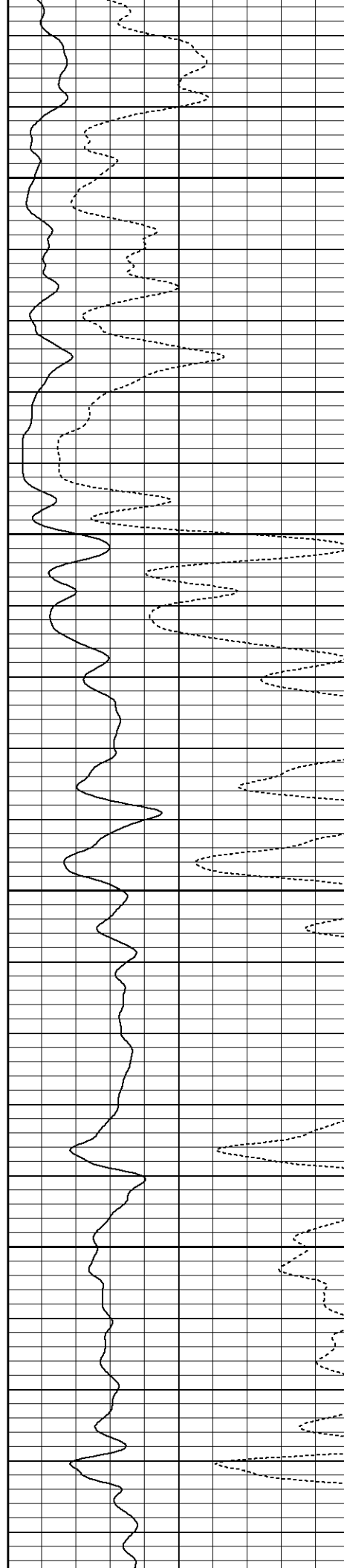


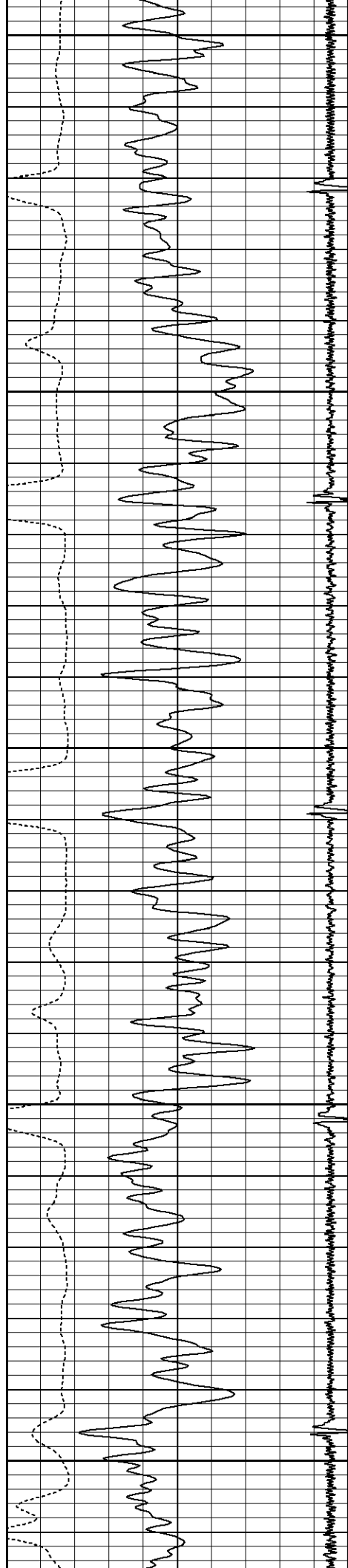
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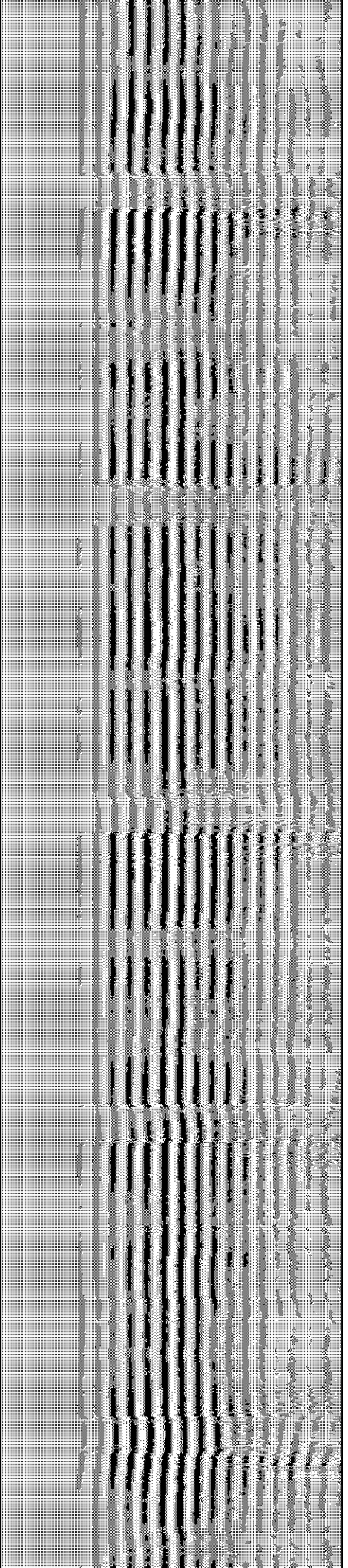
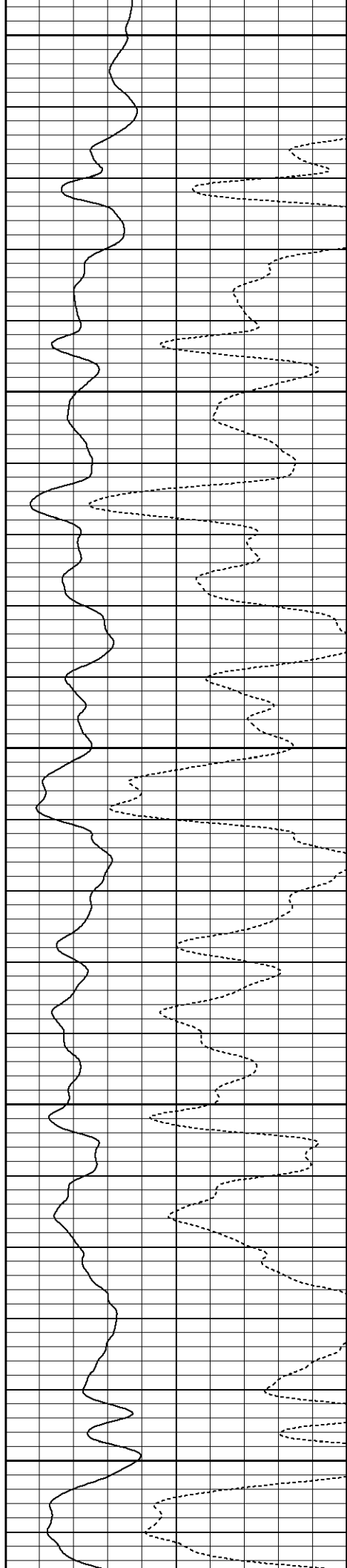
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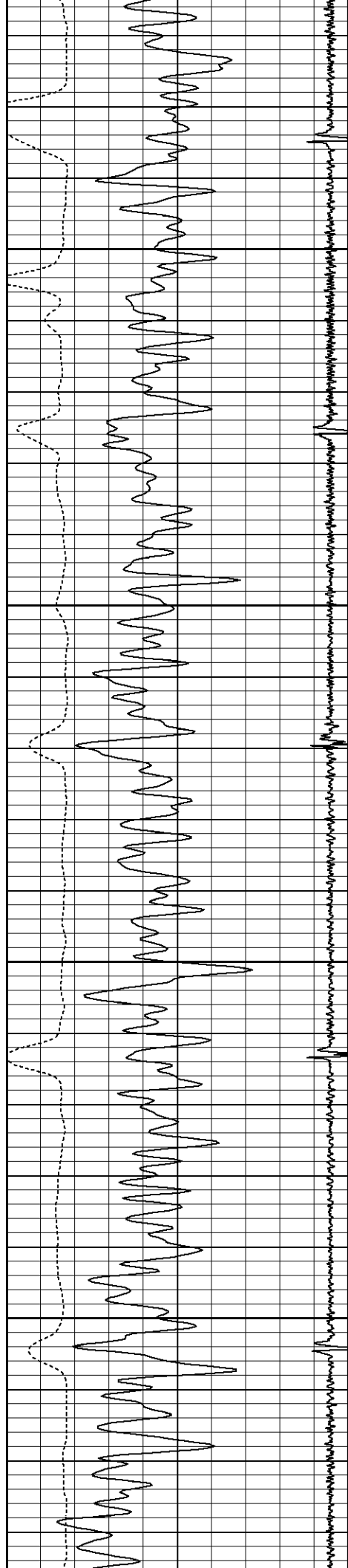
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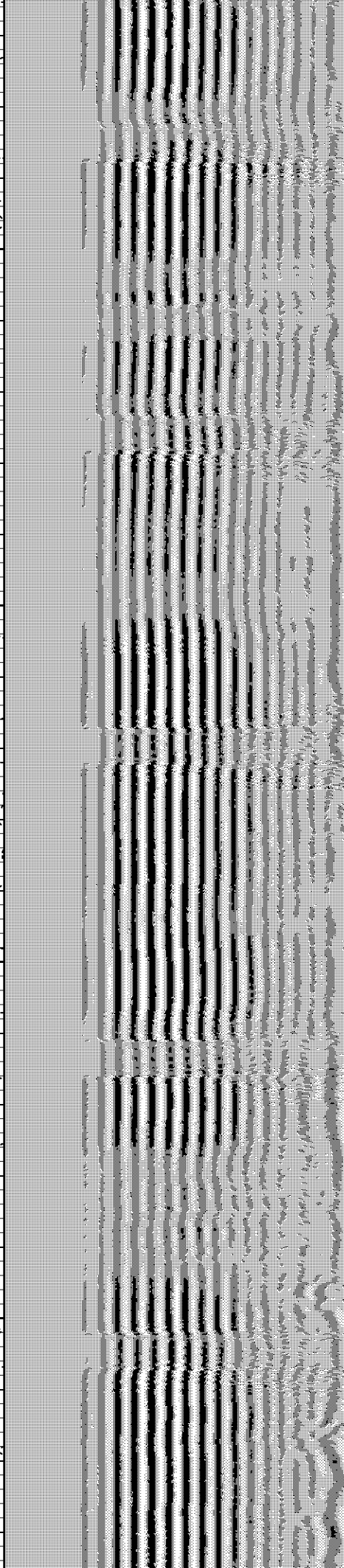
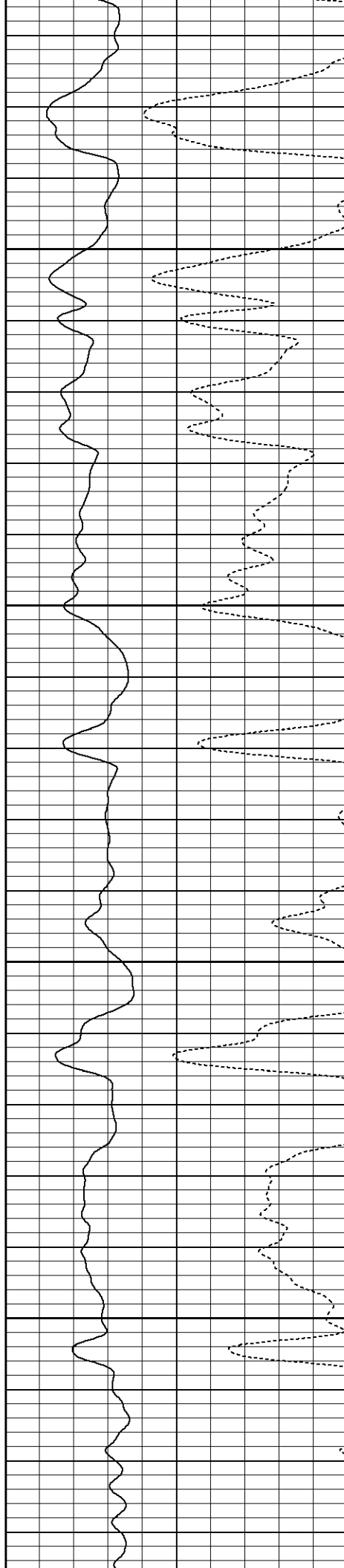


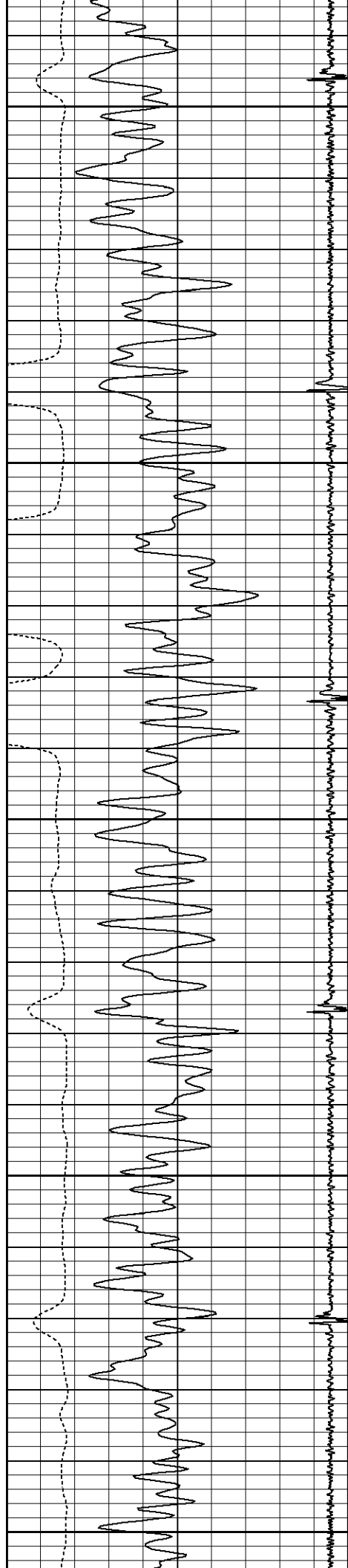
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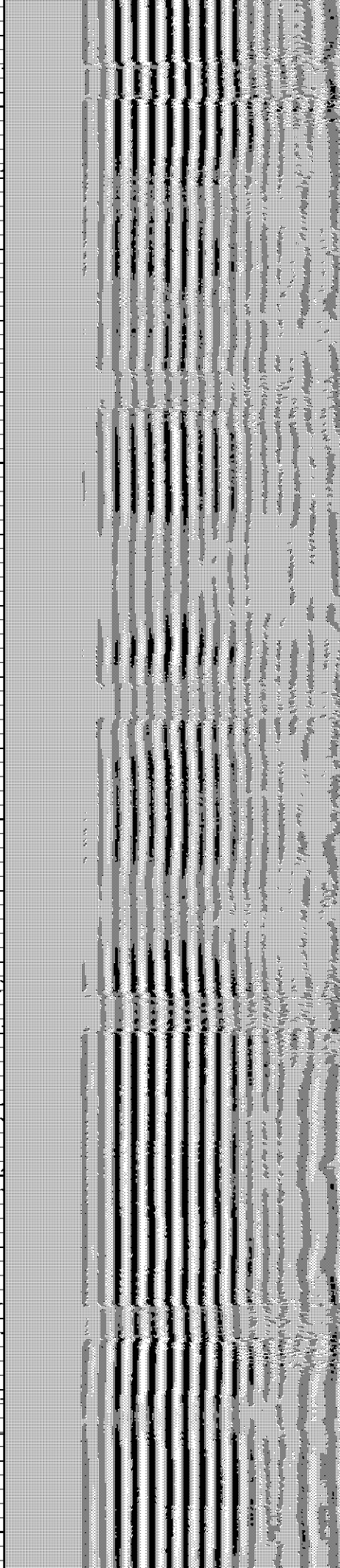
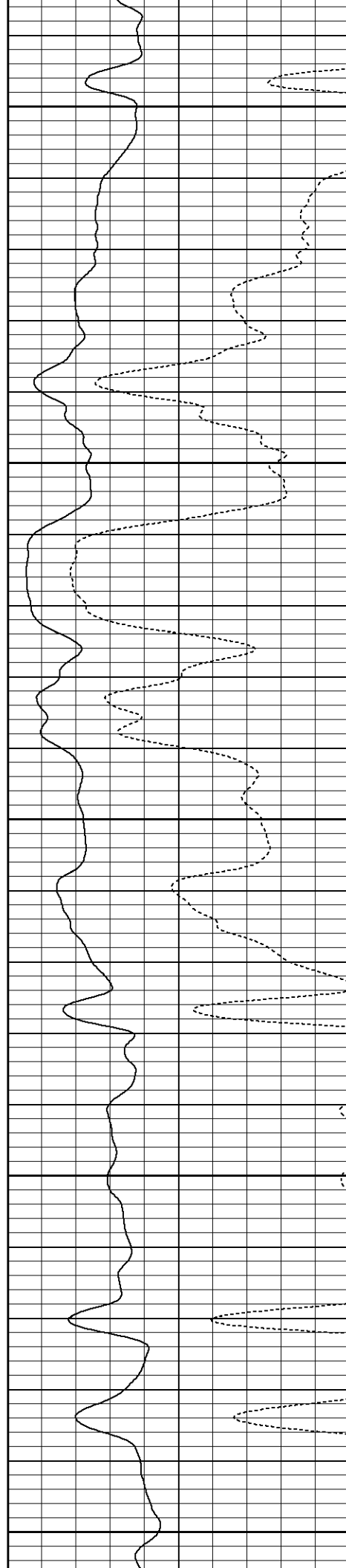
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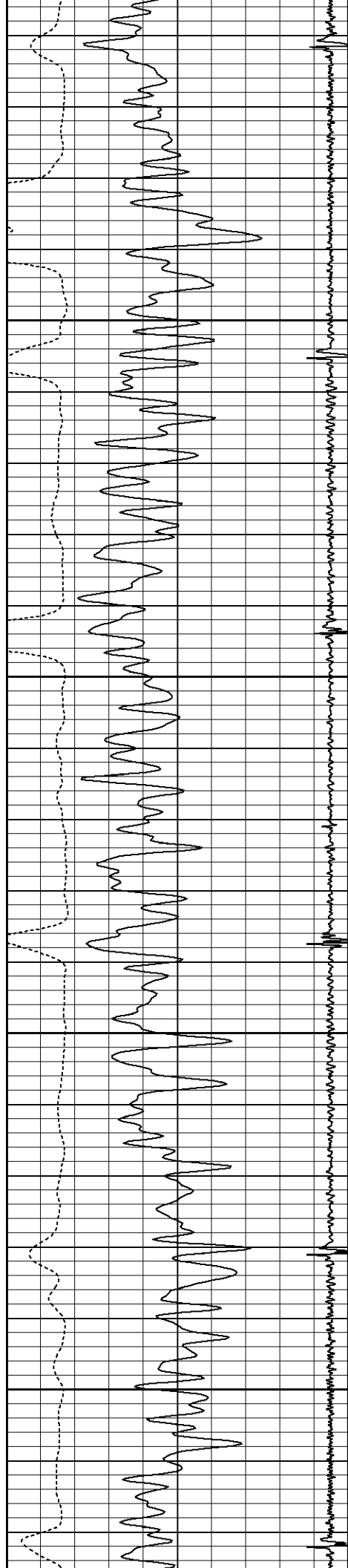
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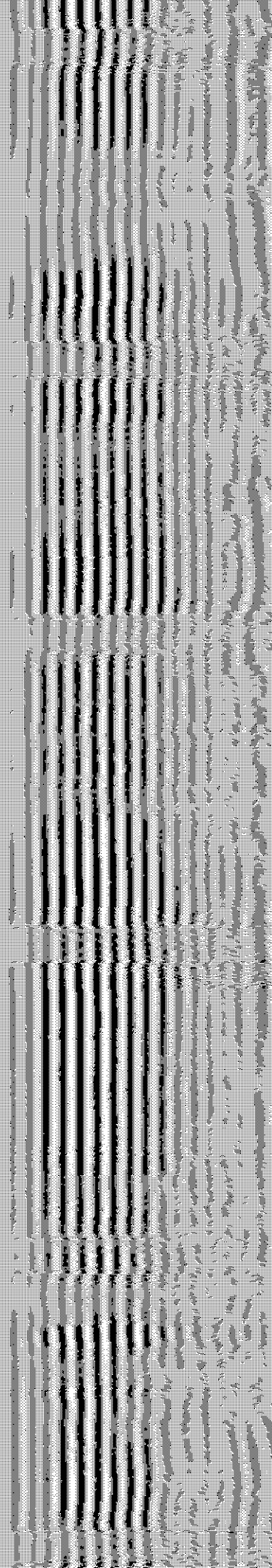
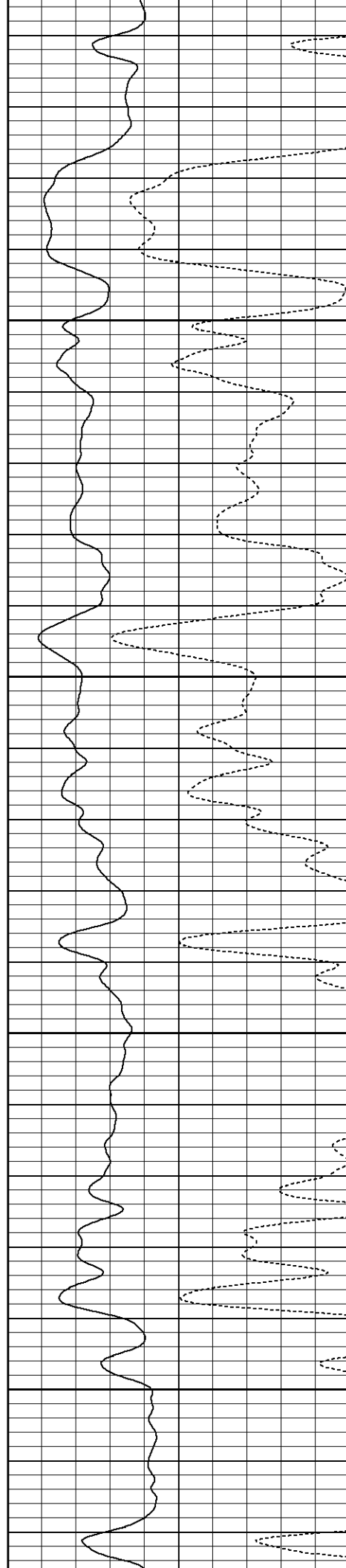


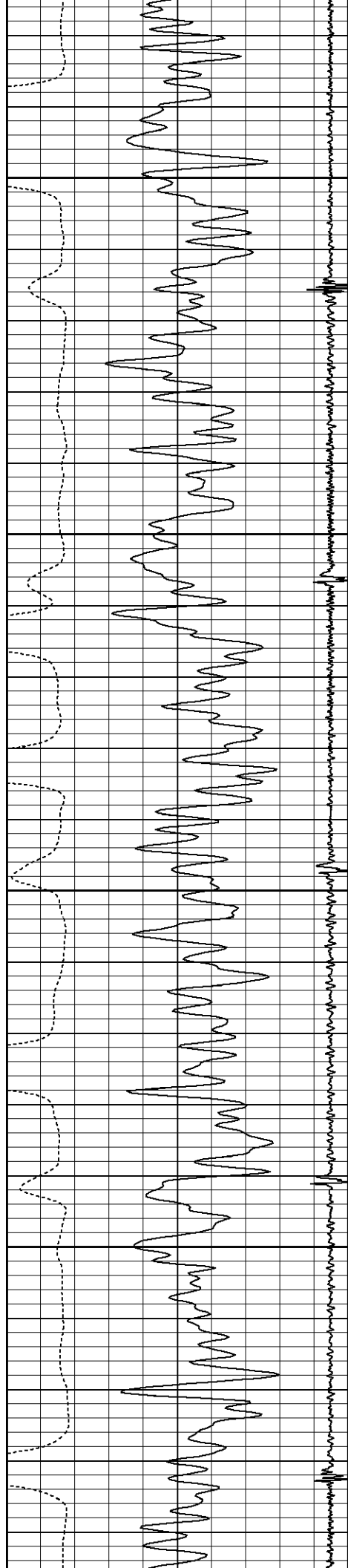
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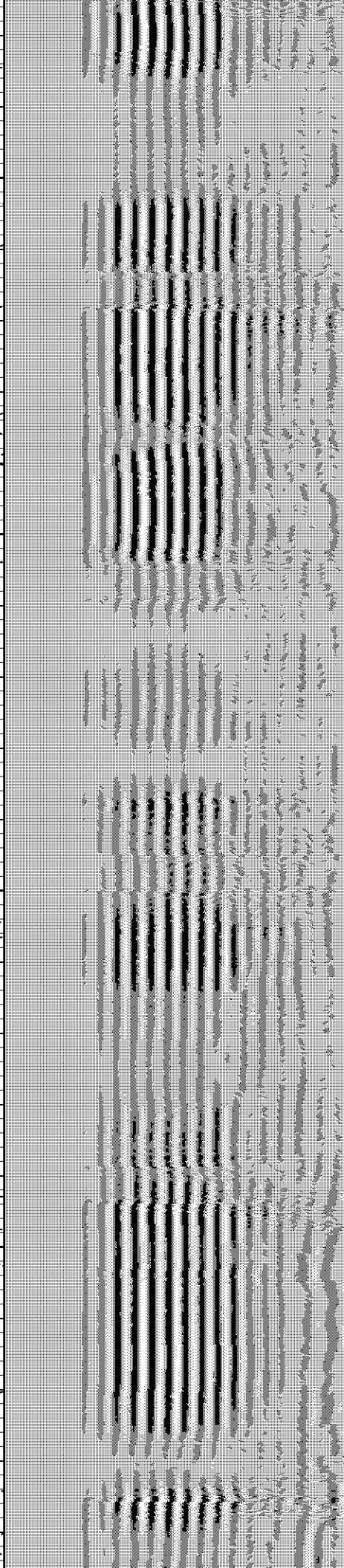
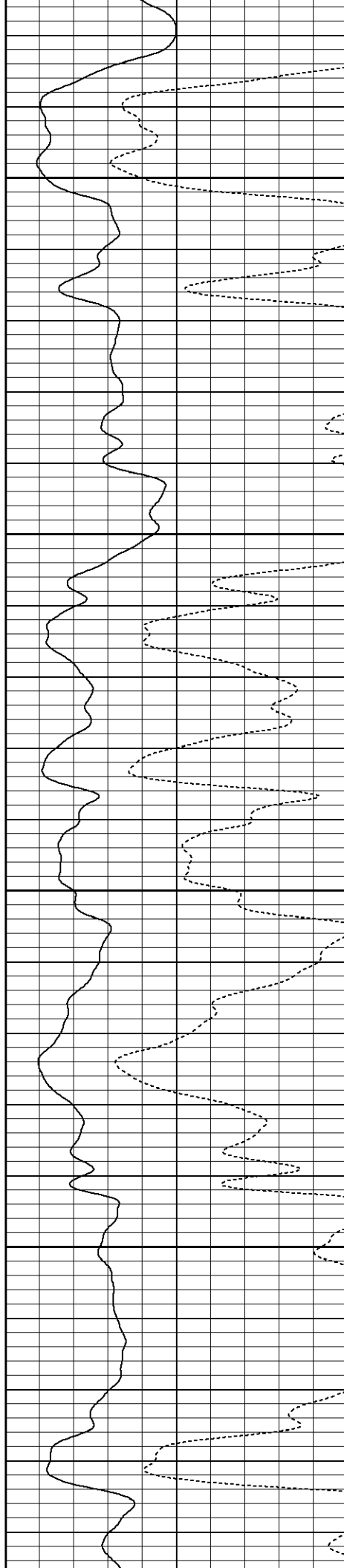


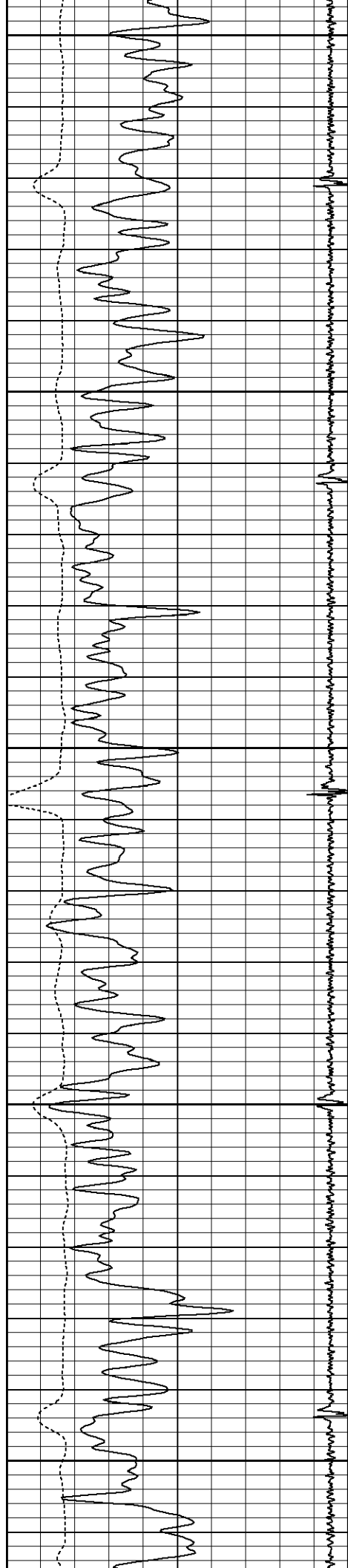
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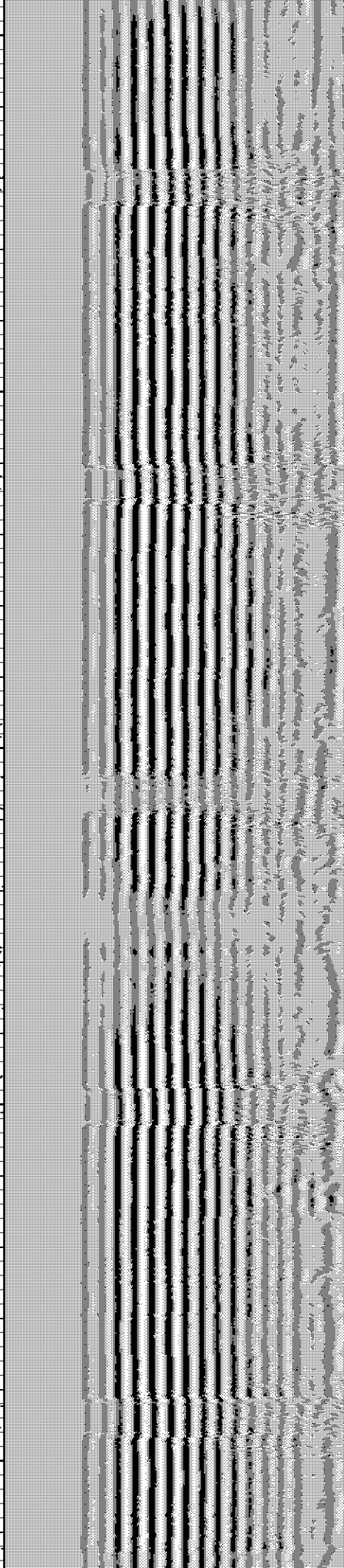
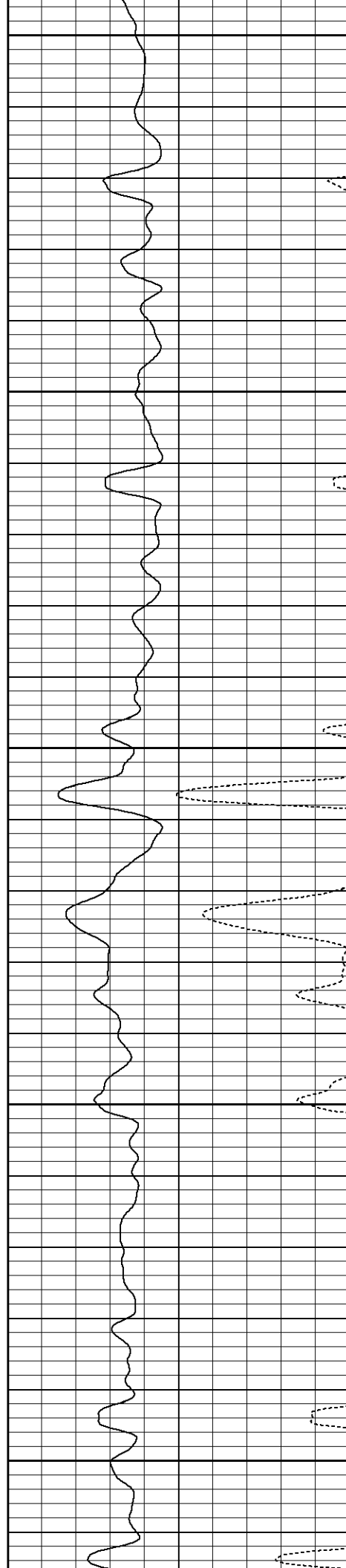
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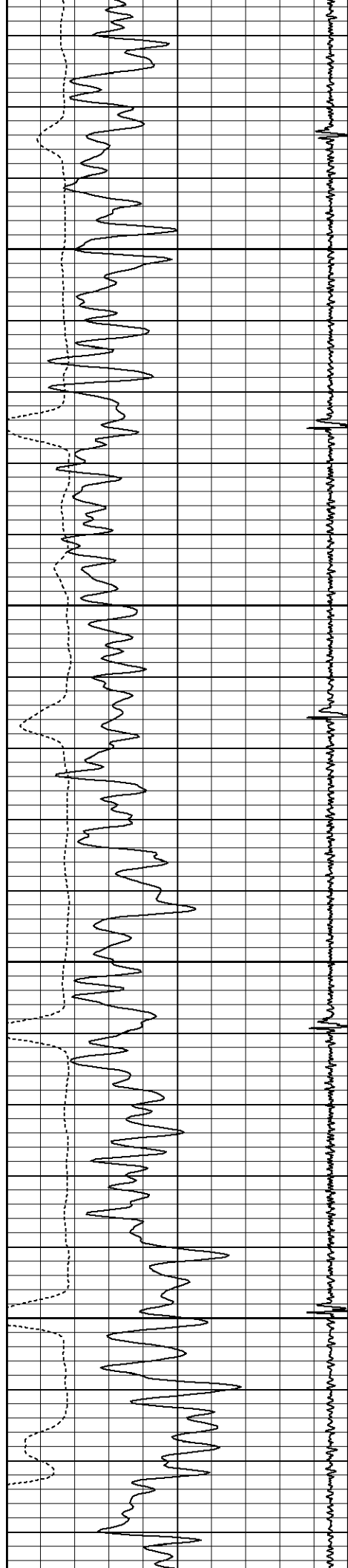
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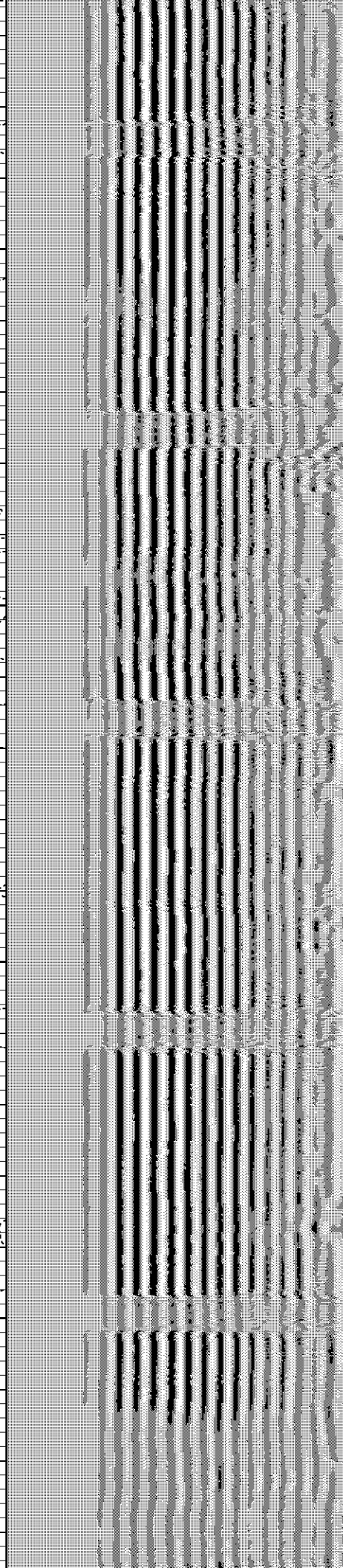
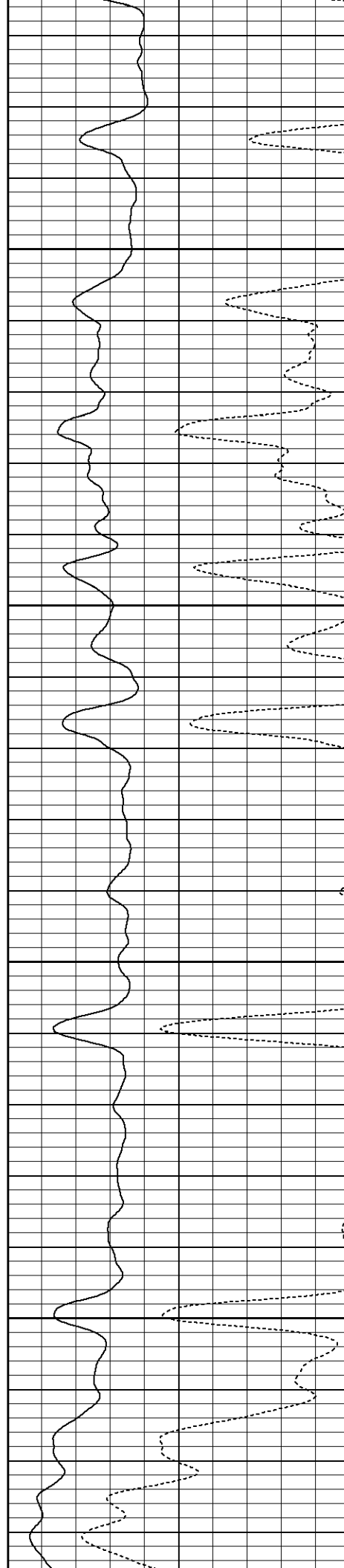


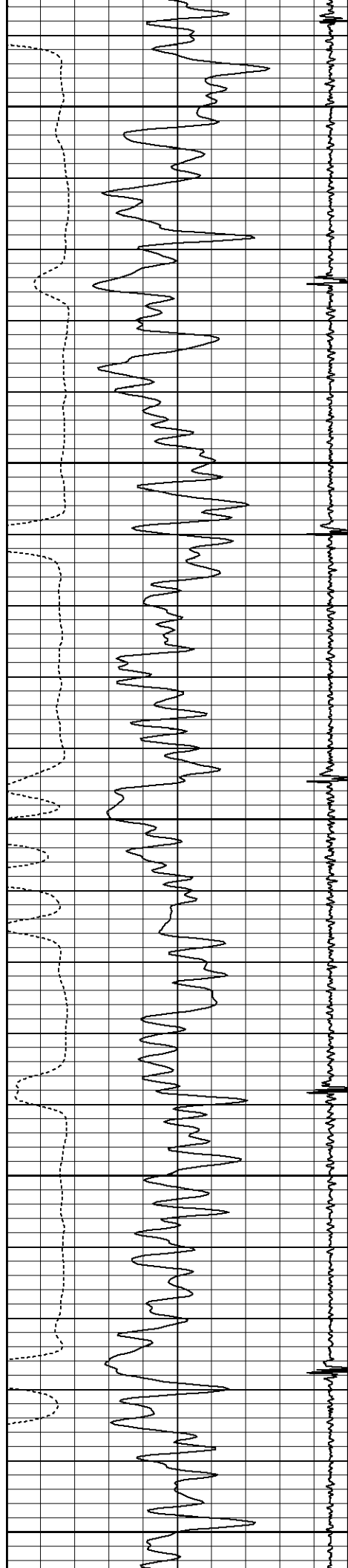
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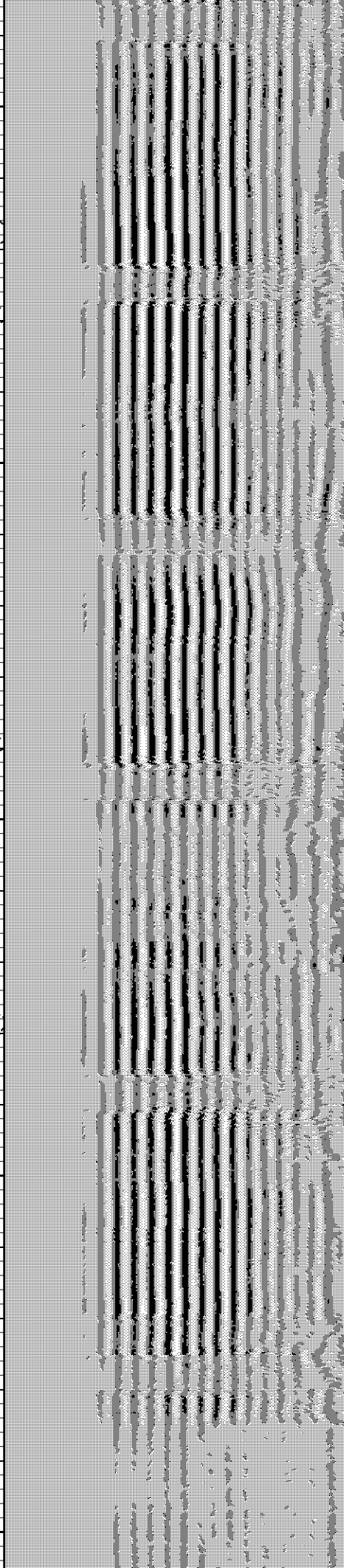
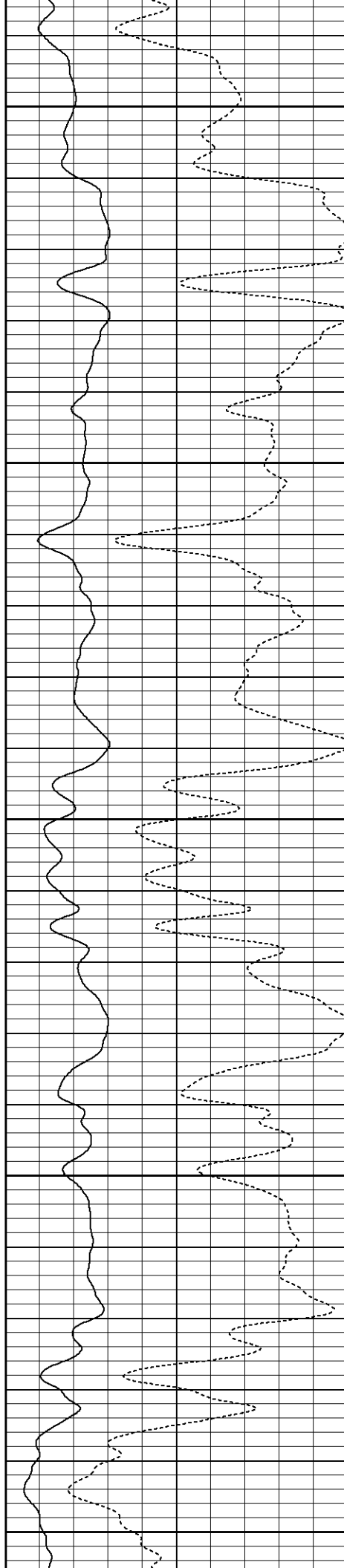
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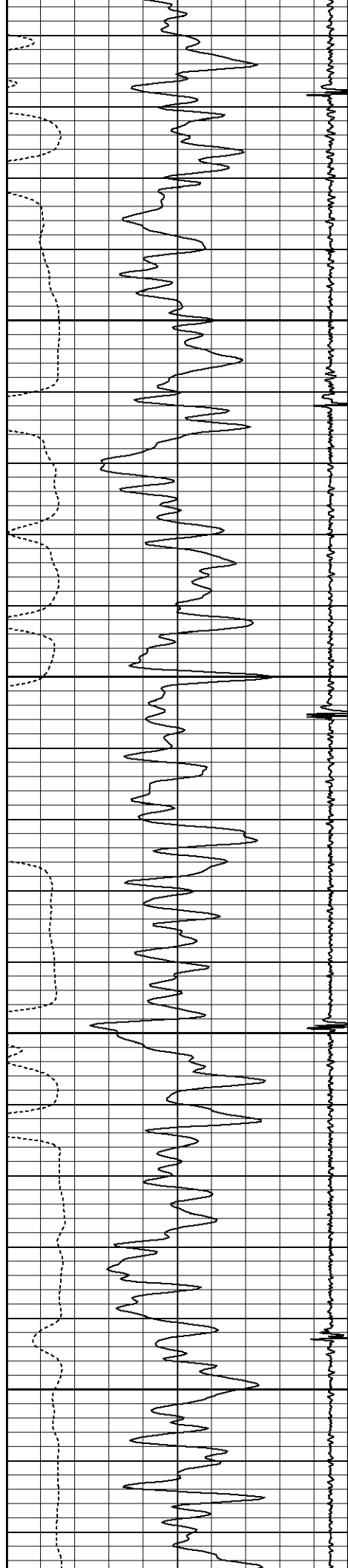
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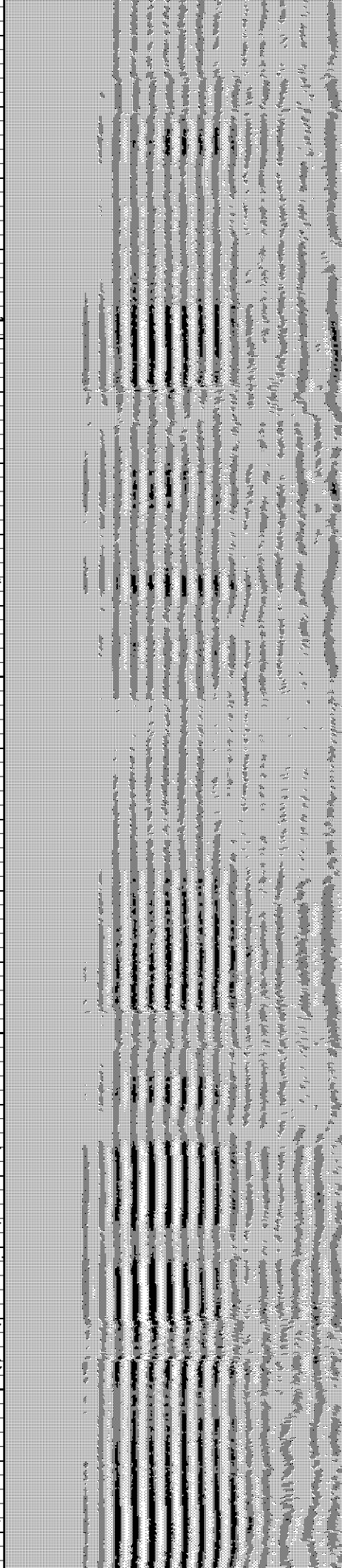
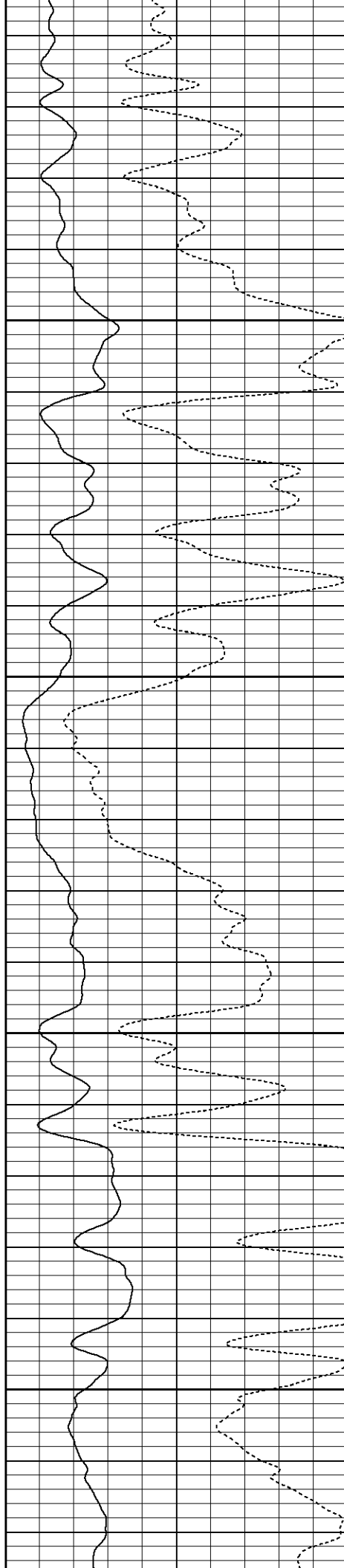


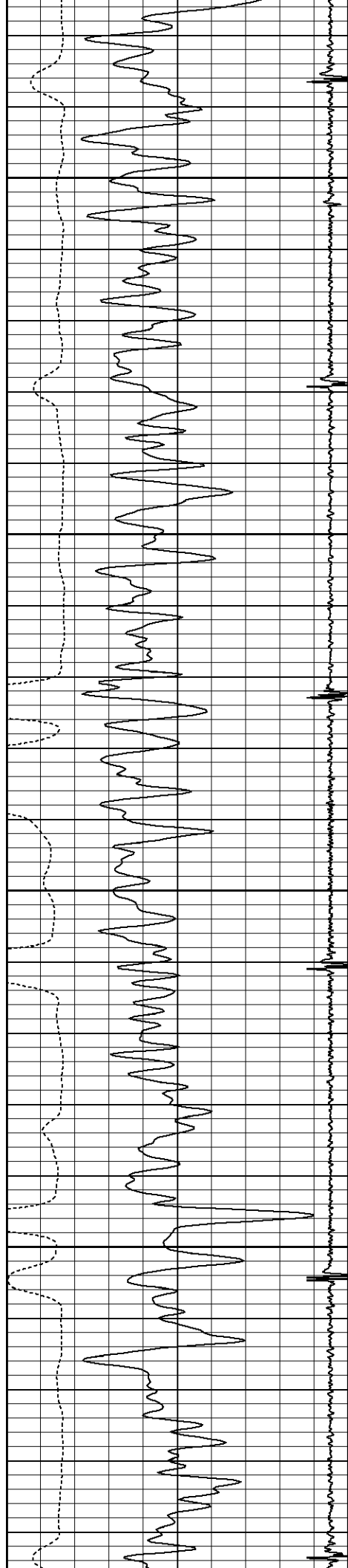
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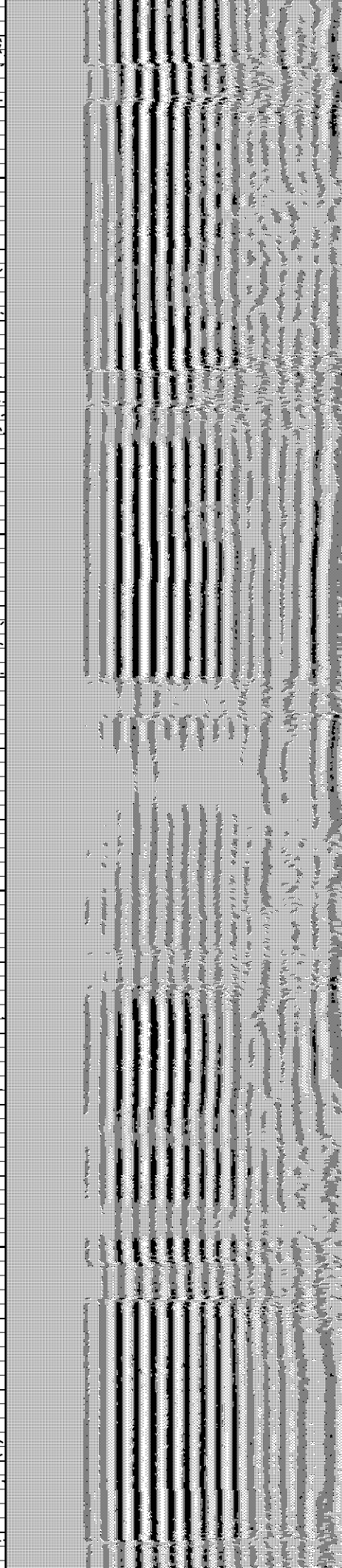
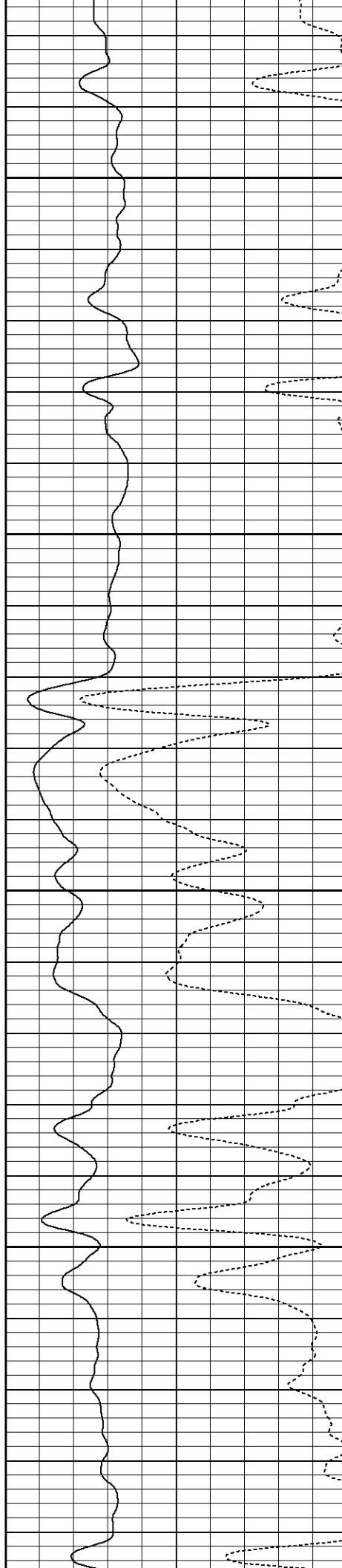


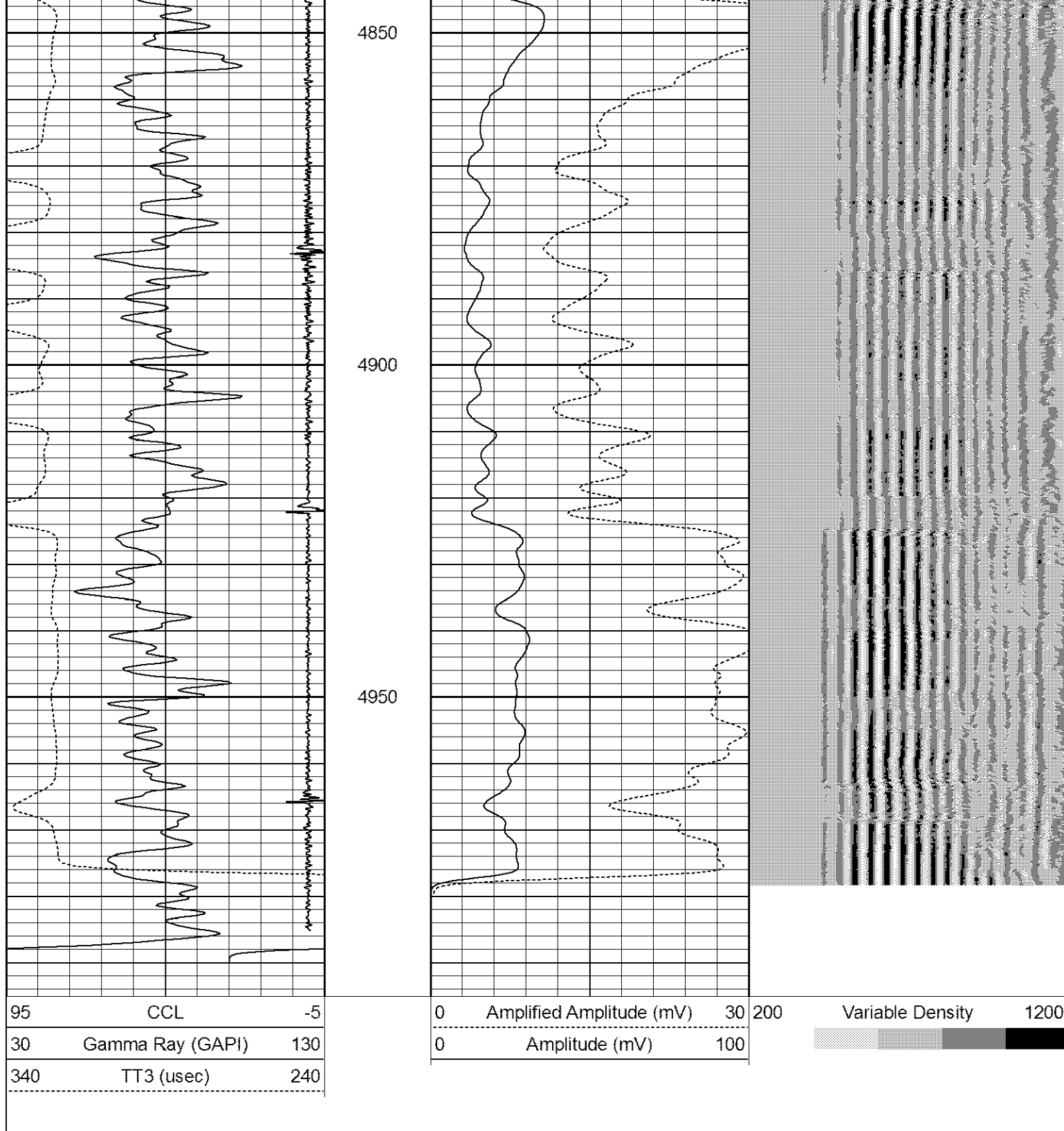
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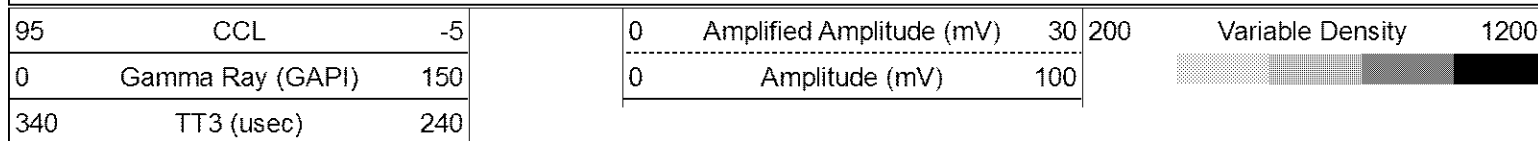
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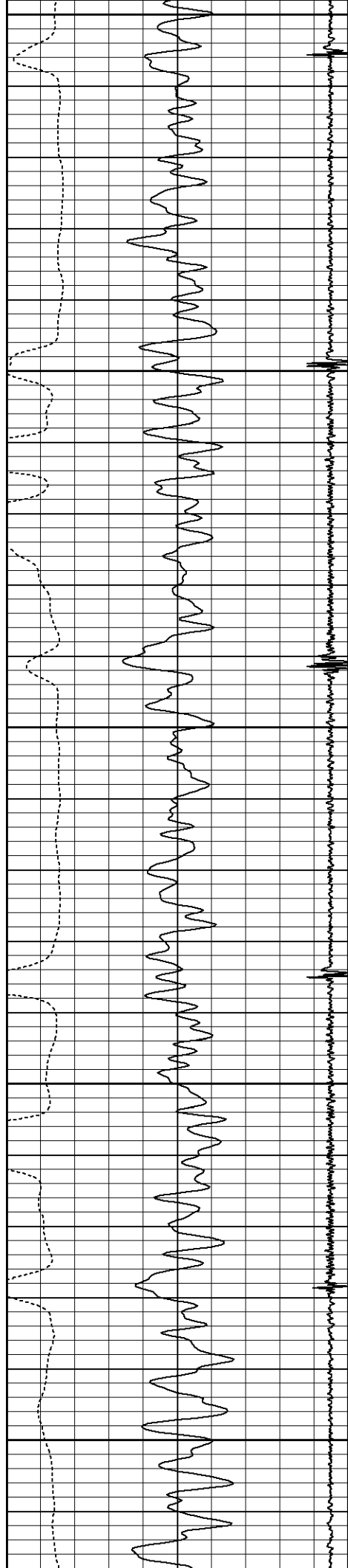
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Database File: cblwahlert ac33-66hn.db
 Dataset Pathname: pass3
 Presentation Format: noble en
 Dataset Creation: Wed Apr 04 07:32:43 2012 by Log SCH 111116
 Charted by: Depth in Feet scaled 1:240





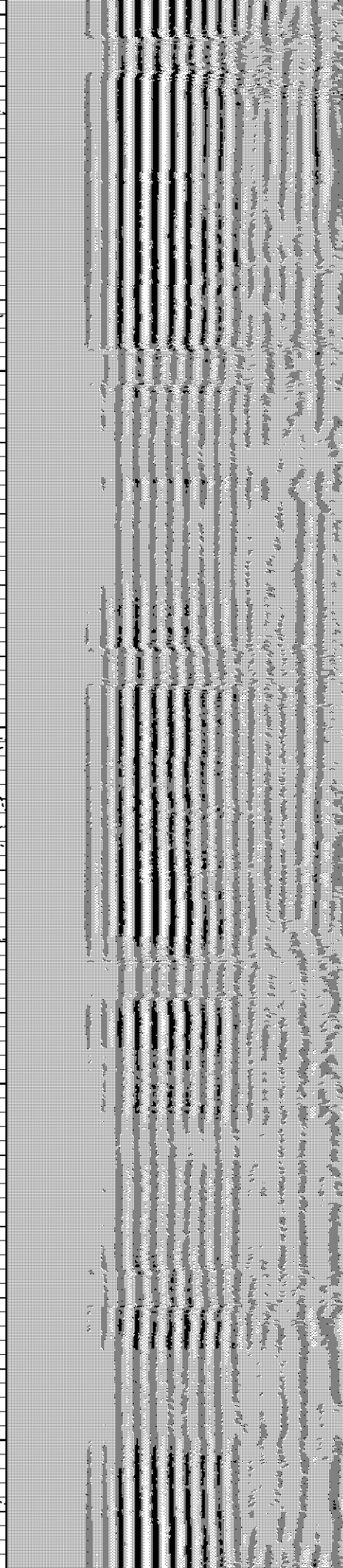
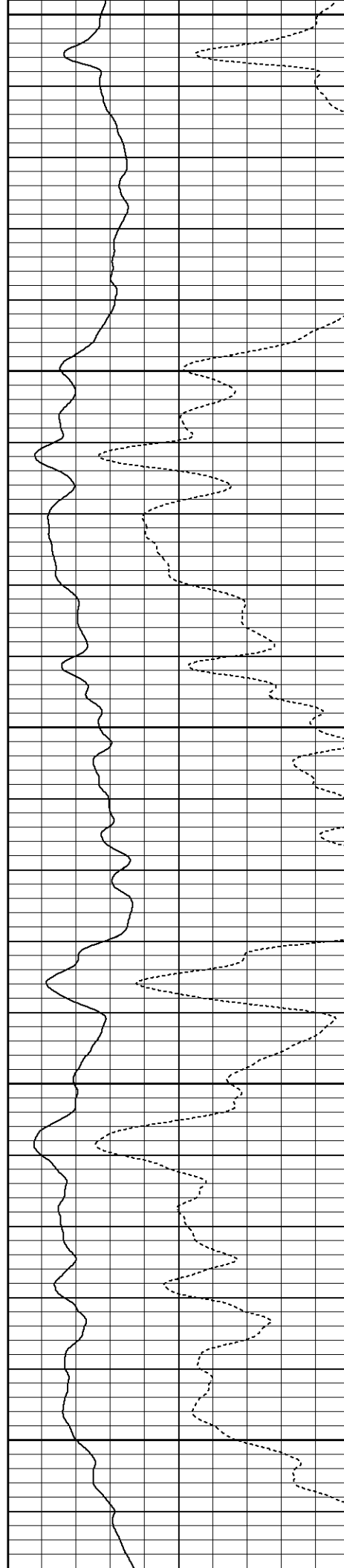
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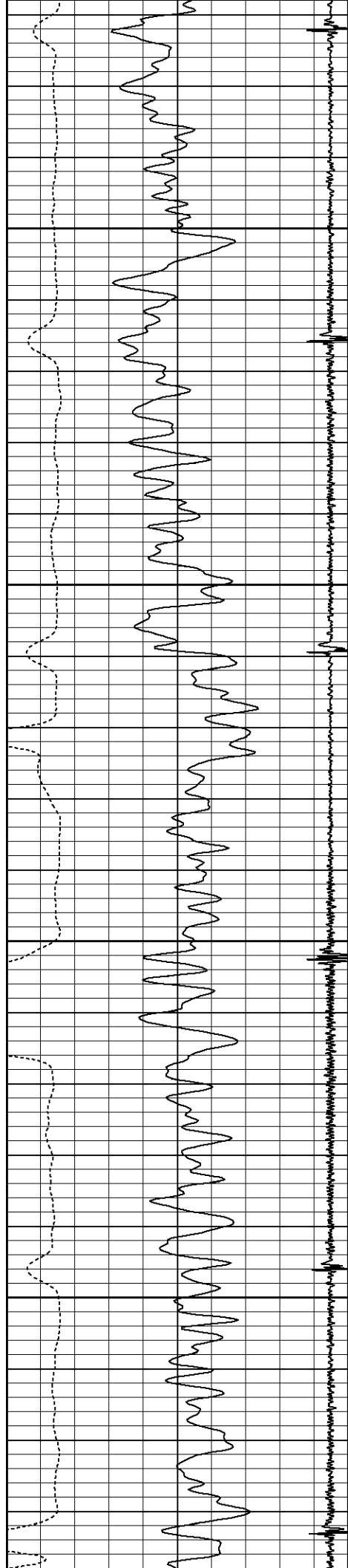
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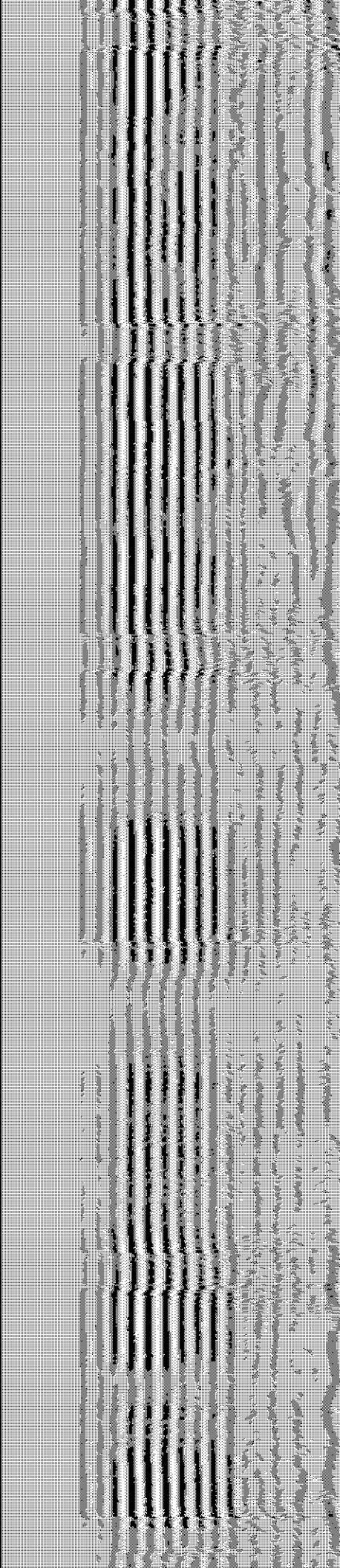
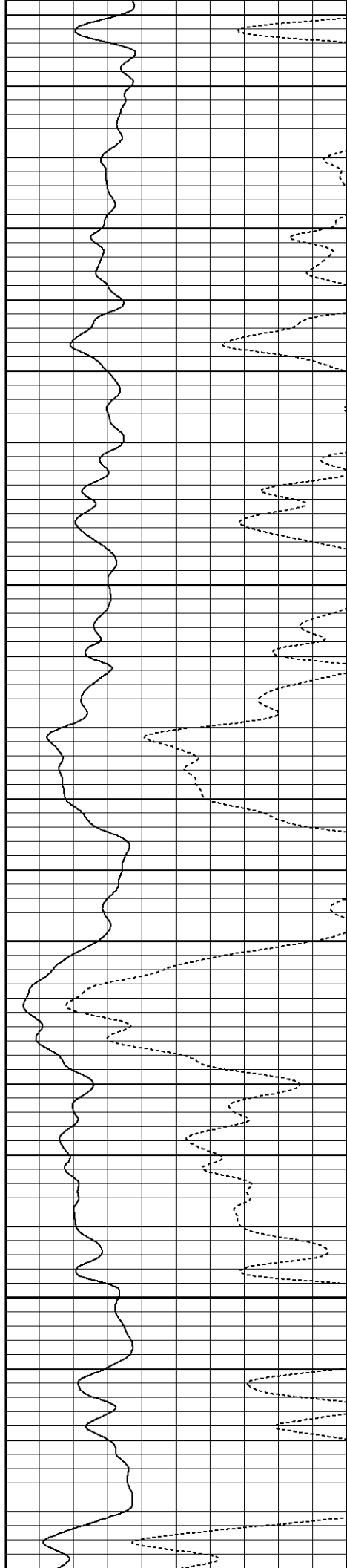


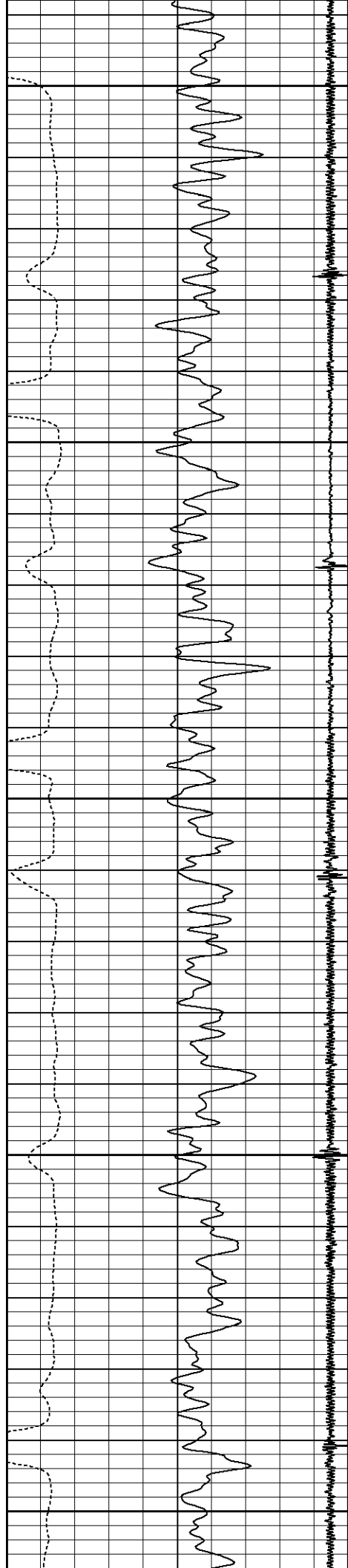
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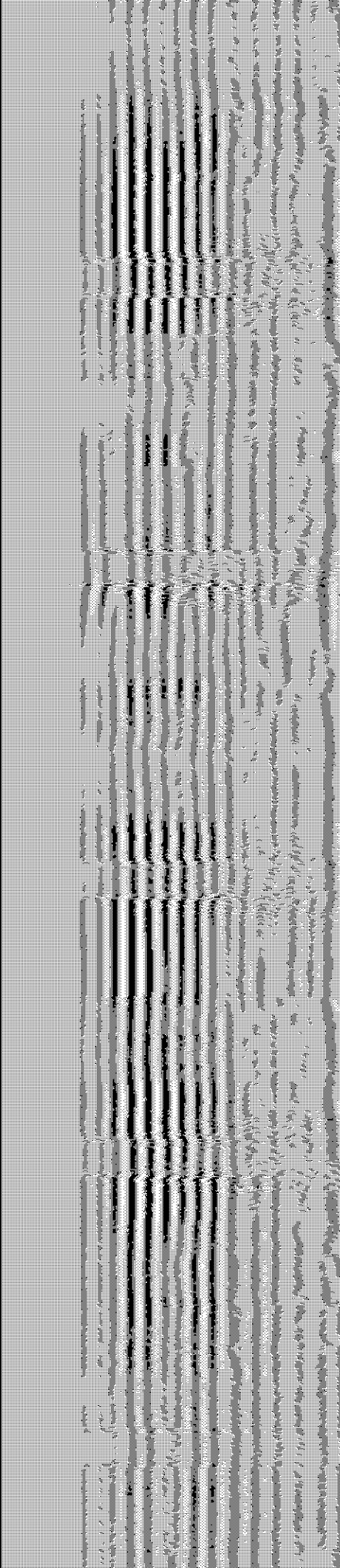
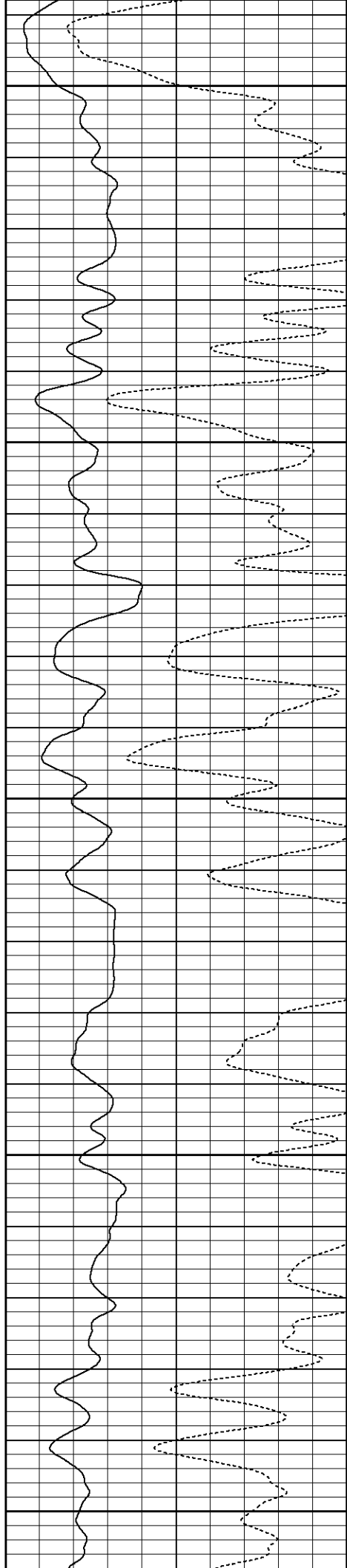
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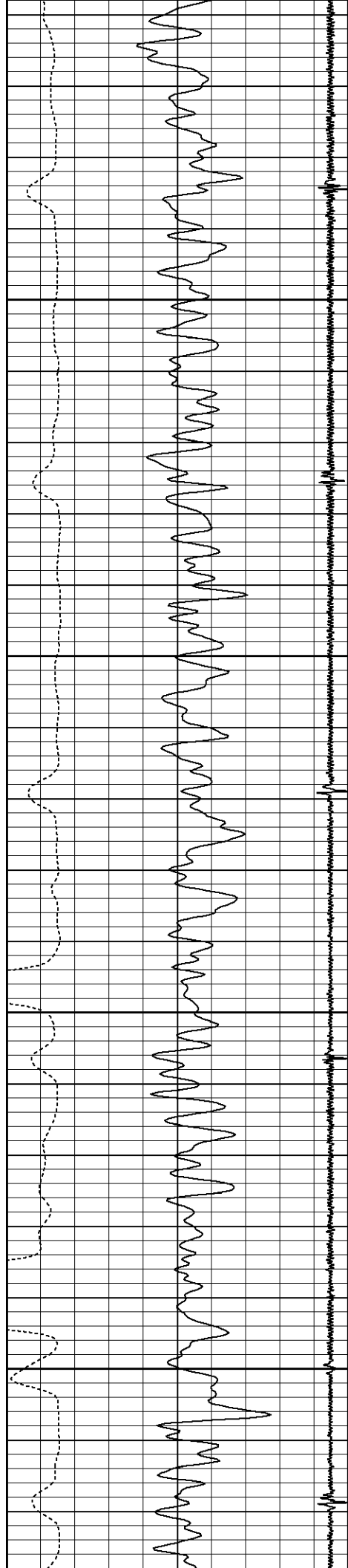
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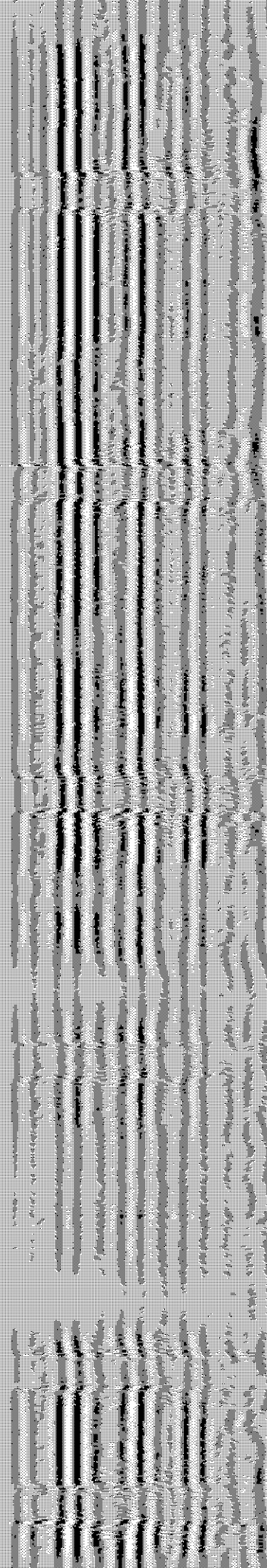
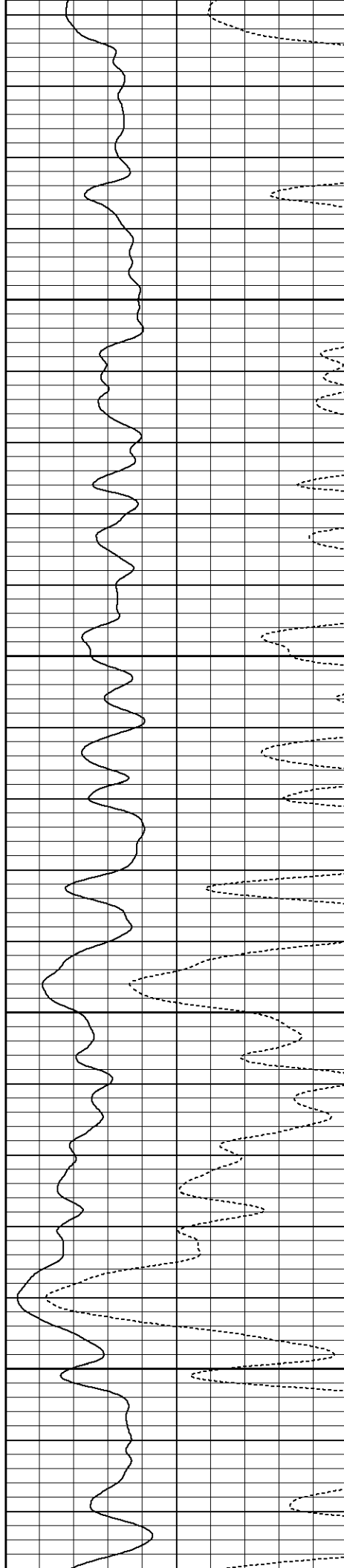
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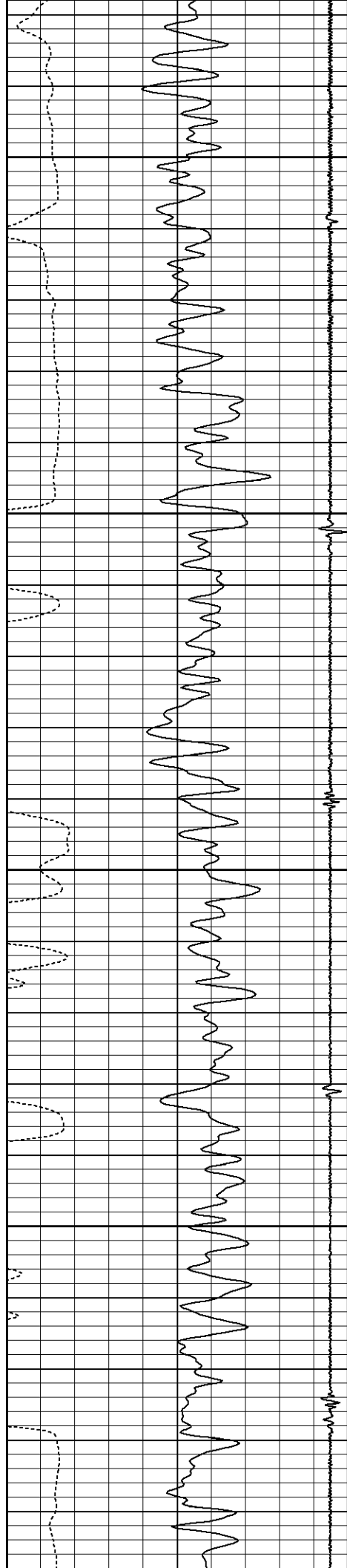
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Flag Joint



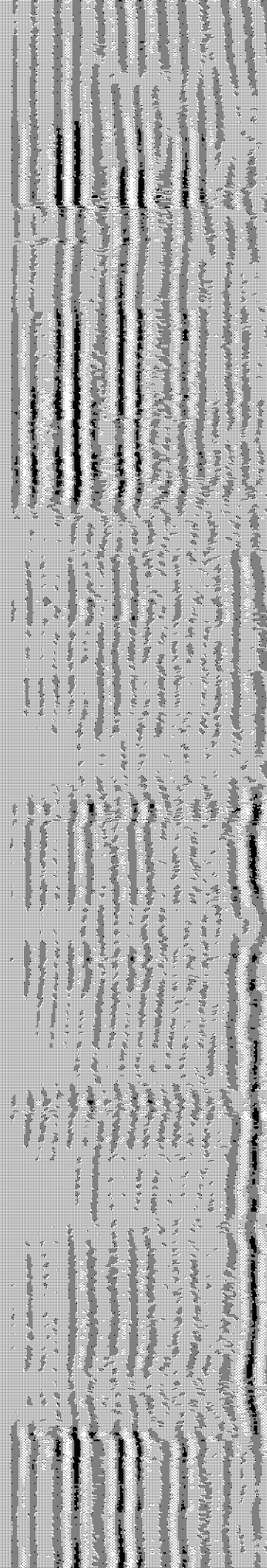
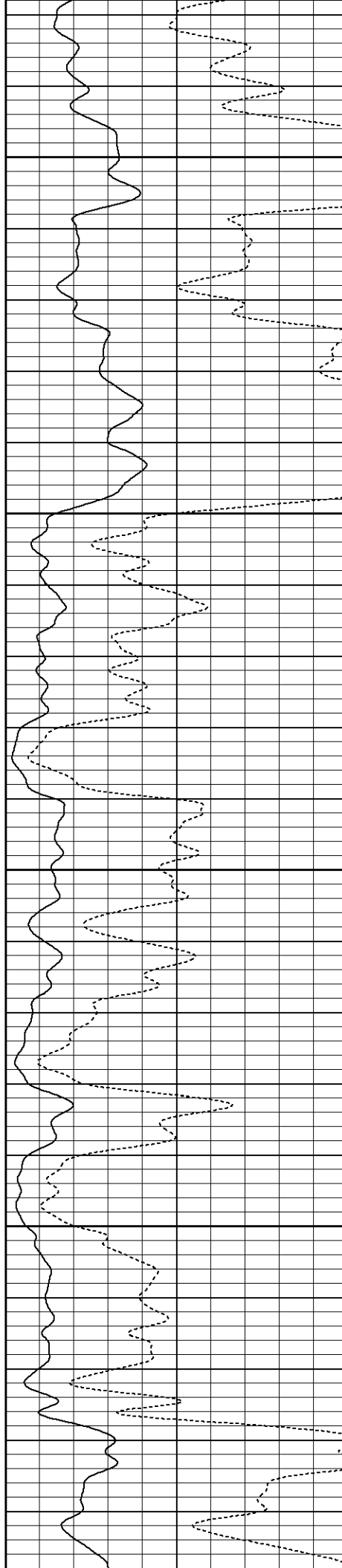


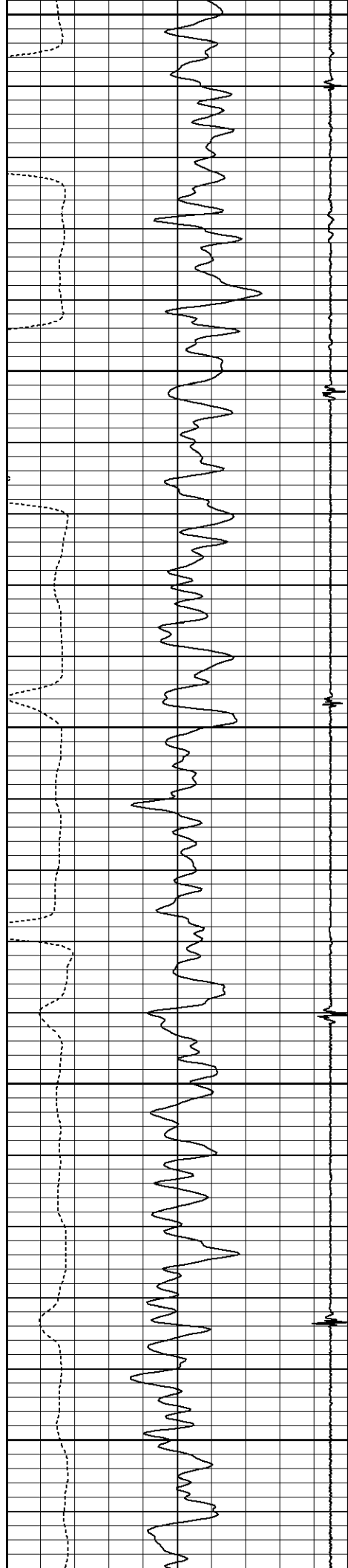
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6050





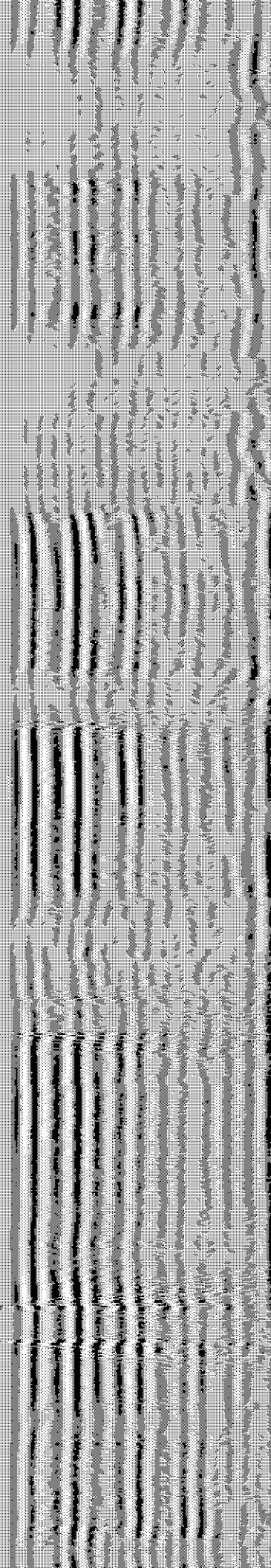
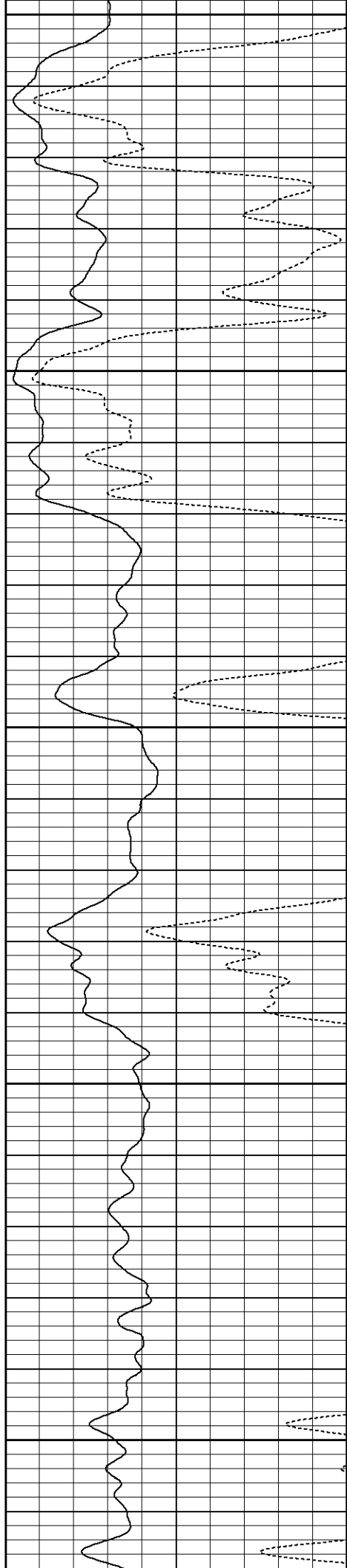
6100

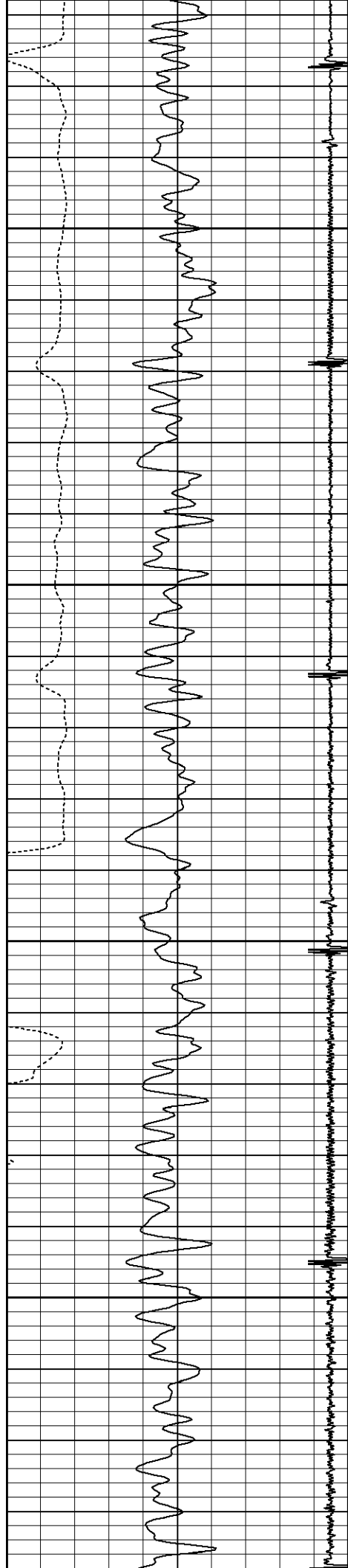
6150

6200

6250

6300



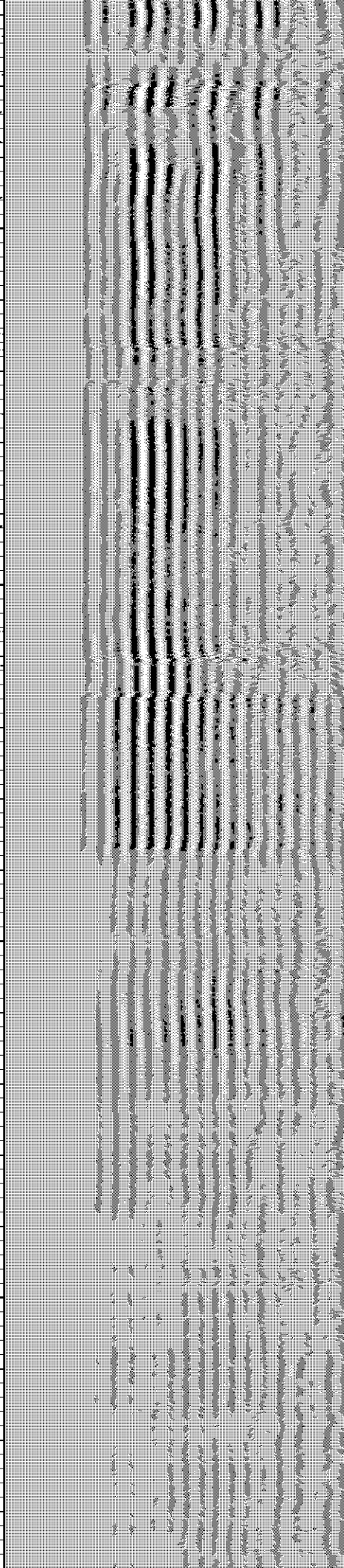
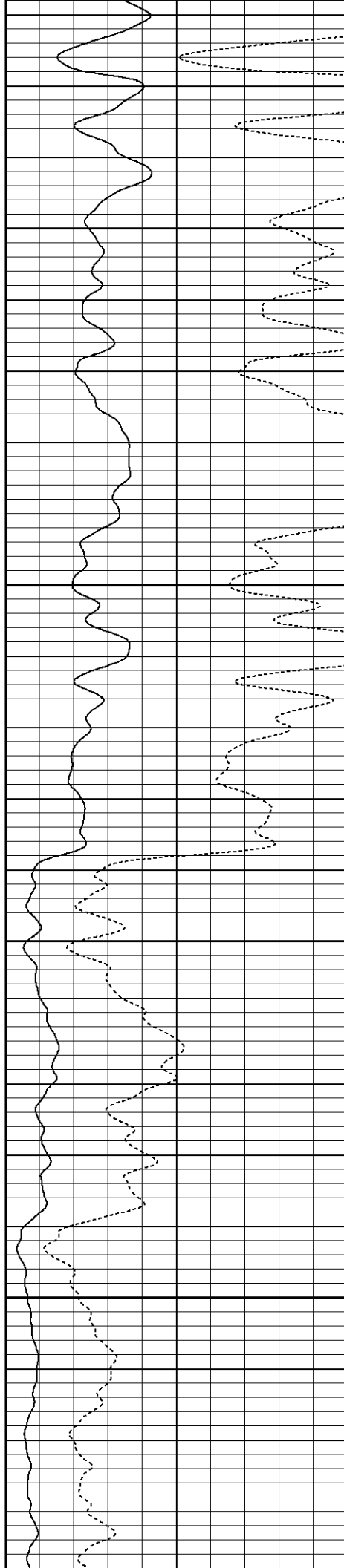


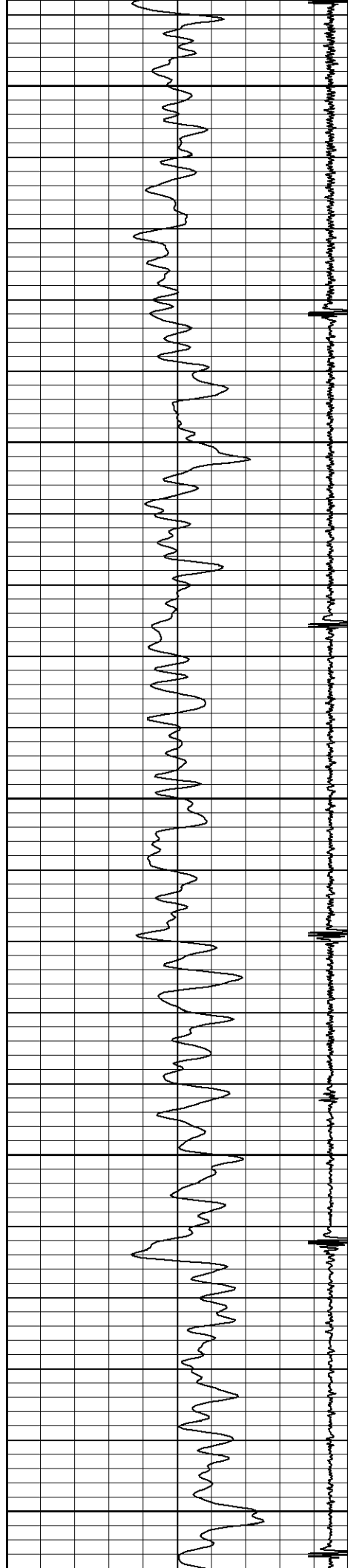
6350

6400

6450

6500





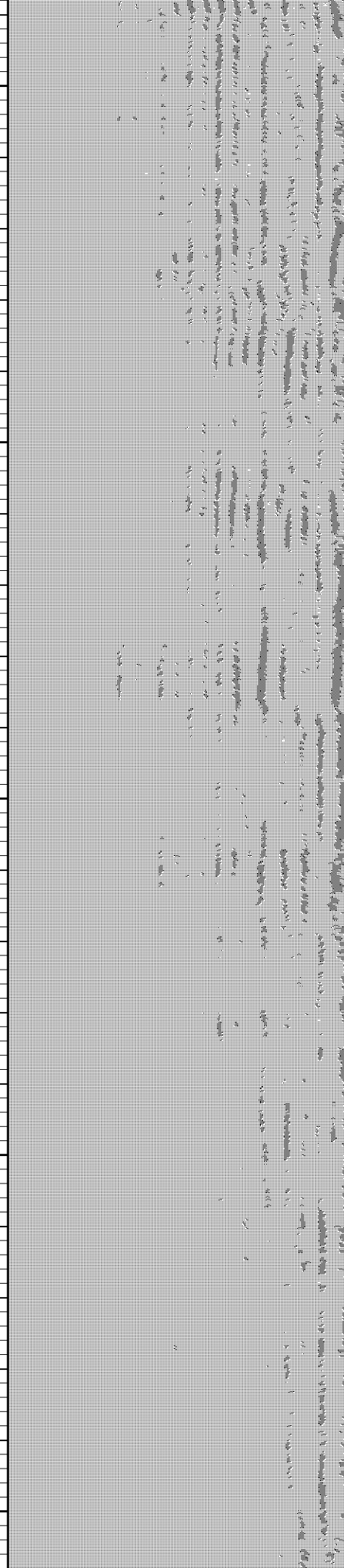
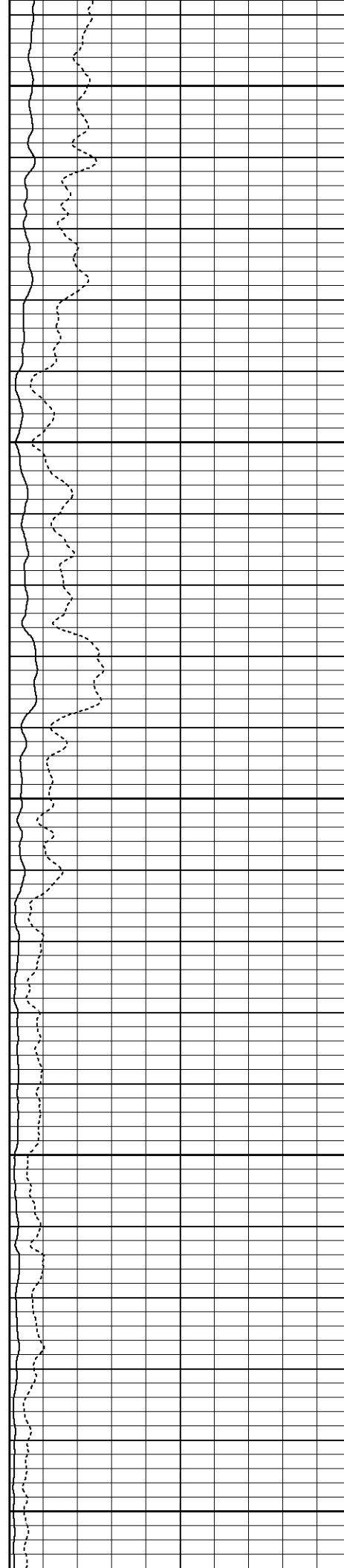
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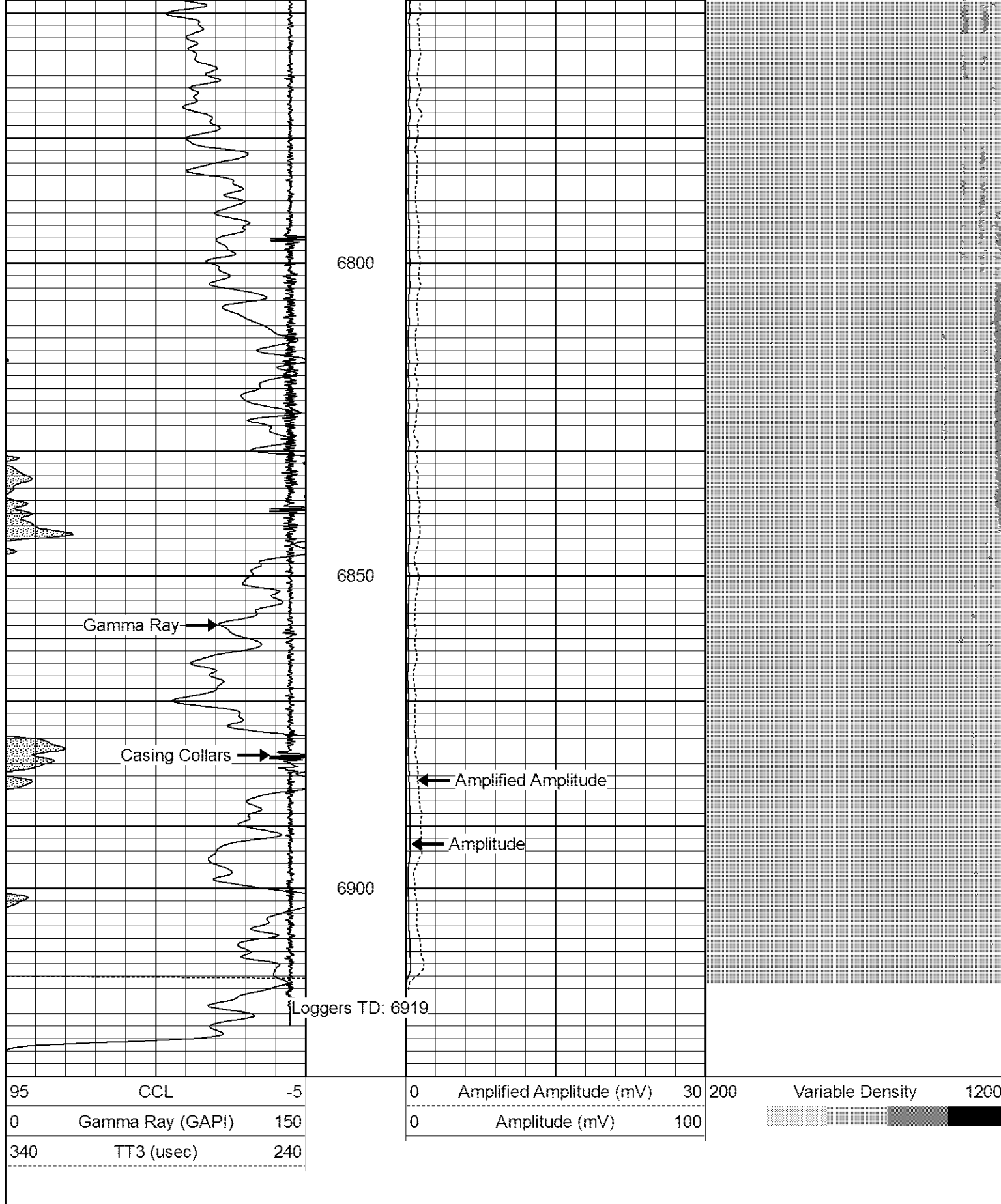
6600

6650

6700

6750





Calibration Report

Database File: cblwahlert ac33-66hn.db
 Dataset Pathname: pass4
 Dataset Creation: Wed Apr 04 07:48:24 2012 by Log SCH 111116

Gamma Ray Calibration Report

SHOP CALIBRATION

Wed Apr 04 08:17:50 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.8000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Cement Bond Log Calibration Report

Serial Number:	110802
Tool Model:	Probe275Digital
Performed:	Wed Apr 04 07:15:10 2012

Depth:	560.092	ft
Casing Diameter:	7	in

3' Spacing

5' Spacing

Signal Zero:	0.7	0	mV
Calibrated Amplitude:	62.1651	62.1651	mV
Reading at Signal Zero:	0.0135742	0.0137451	V
Reading in Free Pipe:	2.49871	2.49067	V

Gain:	24.7331	25.0977
Offset:	0.364267	-0.34497