



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: WPX ENERGY

CH089585 FEDERAL NER 533-32

API No: RULISON

County GARFIELD State COLORADO

05045217950000

Location

SHL: 125' FNL & 2585' FWL (5 75 93W)

BHL: 1427' FSL & 1725' FEL (32 65 93W)

SEC 32 TWP 6S RGE 93W

Other Services

RPM

Permanent Datum GL Elevation 7603 ft

Log Measured From KB 26 ft Above P. D.

Drill Measured From KB Elevations KB 7629 ft DF 7603 ft GL

Date 02/SEP/14

Run ONE

Service Order US089585J

Depth Driller 10289 ft

Depth Logger 10226 ft

Bottom Logged Interval 10216 ft

Top Logged Interval 26 ft

Time Started 0800

Time Finished 1230

Operator Rig Time 4.5 HOURS

Type of Fluid in Hole WATER

Fluid Density NA

Salinity NA

Fluid Level 87 ft

Logged Cement Top NA

Wellhead Pressure 0 psi

Maximum Hole Deviation NA

Nominal Logging Speed 65 fpm

Maximum Recorded Temperature 249 degF

Reference Log NA

Reference Log Date NA

Equipment No. 44271 Location GRAND JUNCTION

Recorded By FLOYD RENEAU

Witnessed By JEFF DUCY

- FOLD HERE

In making interpretations of logs, our employees will give the customer the benefit of their best judgement. But since all interpretations are opinions based on inferences from electrical or other measurements, we cannot, and we do not guarantee the accuracy or correctness of any interpretation. We shall not be liable or responsible for any loss, cost, damages, or expenses whatsoever incurred or sustained by the customer resulting from any interpretation made by any of our employees.

Borehole Record

Bit Size	From	To
13.5 in	0 ft	1129 ft
8.75 in	1129 ft	10289 ft

Casing Record

Size	Weight	Grade	From	To
9.625 in			0 ft	1129 ft
4.5 in	11.6 lbm/ft	P-110	0 ft	10289 ft

Remarks

All data on this log is shifted using the CCL curve to put the wellhead (top CCL mark) on depth with ground level elevation at the client's request.

The amount of linear shift is 2 feet.

Logged with zero PSI at wellhead.

BHT = 249 °F

SJ = 6922'-6944'

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10218496	CENT
1	1	GR/CCL	1355XA	1187510	CENT

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	28.625	4704.000
RAL	Amp Gate Start Near	195.000	usec	28.625	4704.000
RAL	Amp Gate Start Radial	195.000	usec	28.625	4704.000
RAL	Amp Gate Width Far	25.000	usec	28.625	4704.000
RAL	Amp Gate Width Near	25.000	usec	28.625	4704.000
RAL	Amp Gate Width Radial	25.000	usec	28.625	4704.000
RAL	casing od	4.500	inches	28.625	4704.000
RAL	casing wt	11.600	lbm/ft	28.625	4704.000
RAL	FB Start Far	291.900	usec	28.625	4704.000
RAL	FB Start Near	175.391	usec	28.625	4704.000
RAL	FB Start Radial	175.391	usec	28.625	4704.000
RAL	FB Thresh Far	10.000	mv	28.625	4704.000
RAL	FB Thresh Near	4.000	mv	28.625	4704.000
RAL	FB Thresh Radial	4.000	mv	28.625	4704.000
RAL	Fluid Travel Time	200.000	usec/ft	28.625	4704.000
RAL	Amp Gate Start Far	305.000	usec	4704.000	10231.260
RAL	Amp Gate Start Near	195.000	usec	4704.000	10231.260
RAL	Amp Gate Start Radial	195.000	usec	4704.000	10231.260
RAL	Amp Gate Width Far	25.000	usec	4704.000	10231.260
RAL	Amp Gate Width Near	25.000	usec	4704.000	10231.260
RAL	Amp Gate Width Radial	25.000	usec	4704.000	10231.260
RAL	casing od	4.500	inches	4704.000	10231.260
RAL	casing wt	11.600	lbm/ft	4704.000	10231.260
RAL	FB Start Far	291.900	usec	4704.000	10231.260
RAL	FB Start Near	175.391	usec	4704.000	10231.260
RAL	FB Start Radial	175.391	usec	4704.000	10231.260
RAL	FB Thresh Far	10.000	mv	4704.000	10231.260

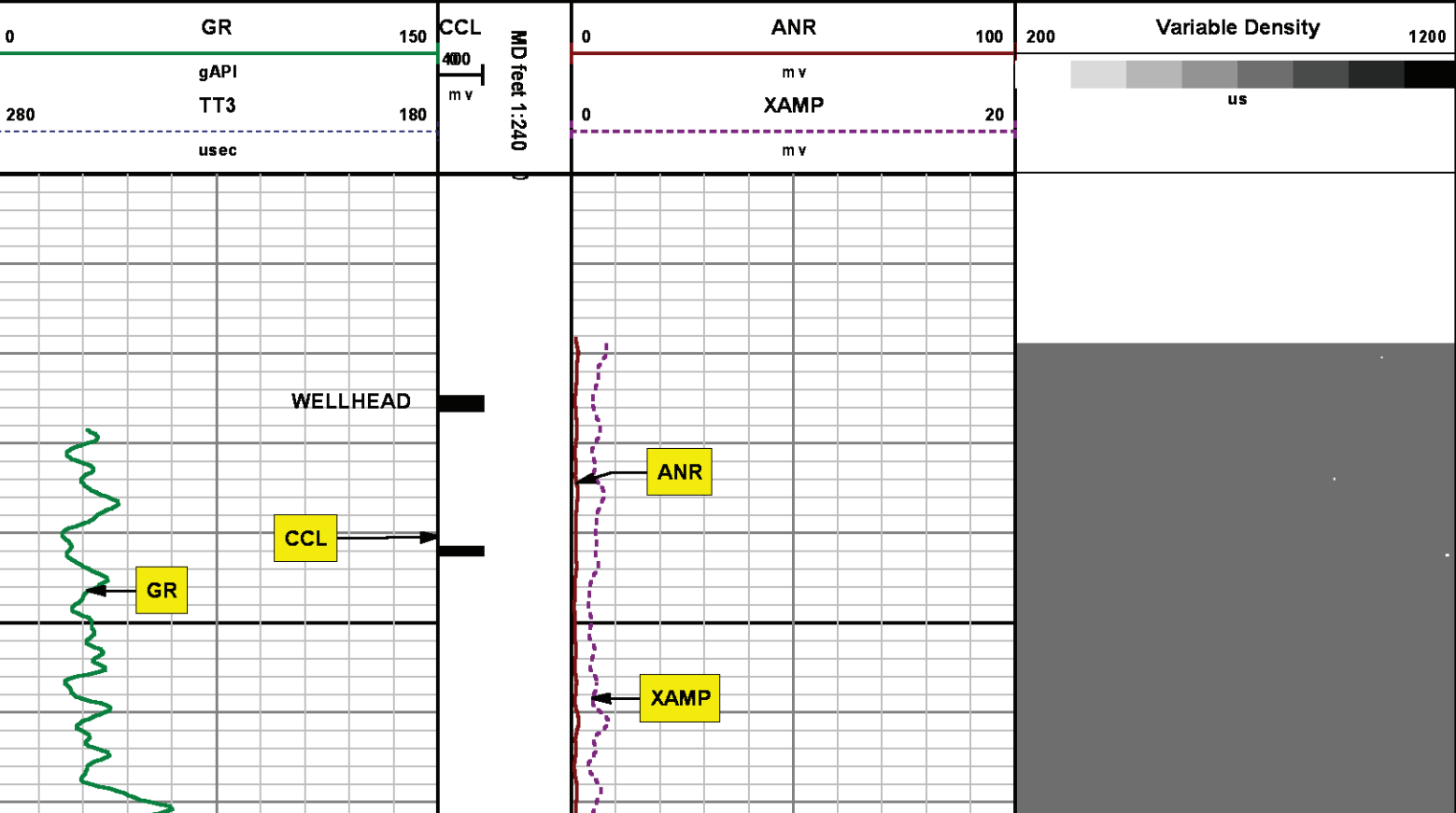
RAL	FB Thresh Near	4.000	mv	4704.000	10231.260
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RAL	Fluid Travel Time	200.000	usec/ft	4704.000	10231.103

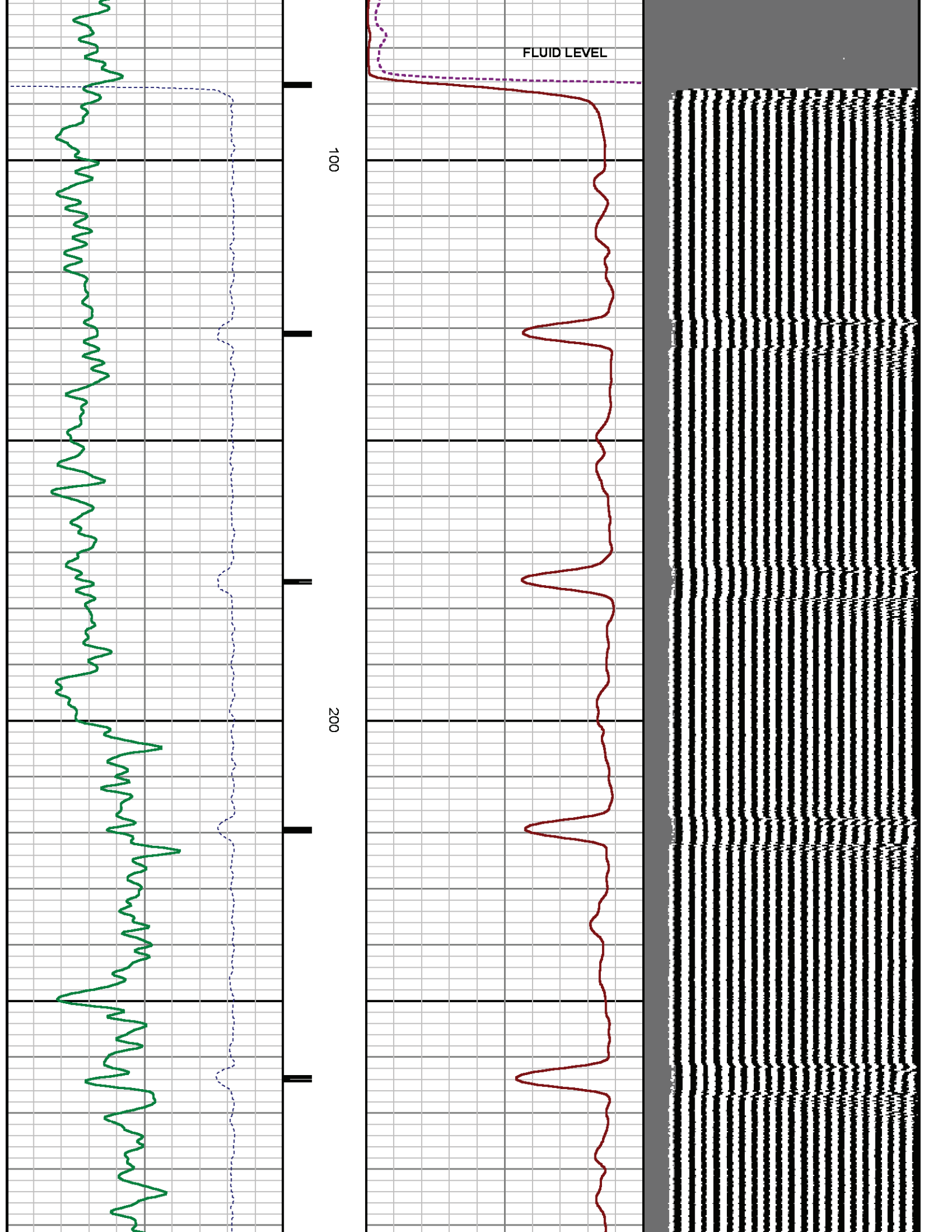
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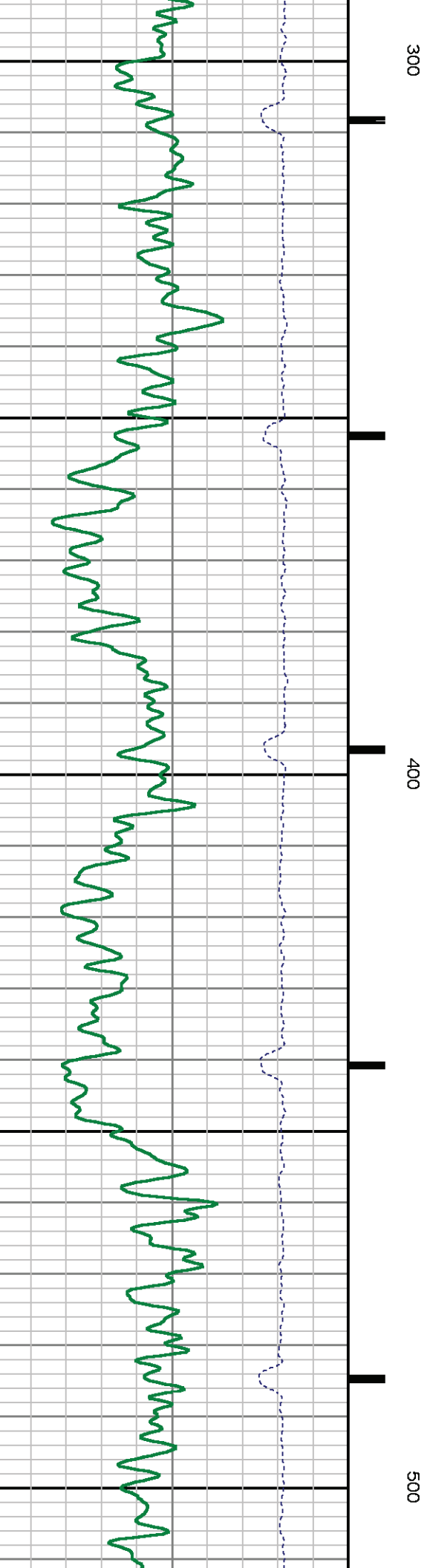
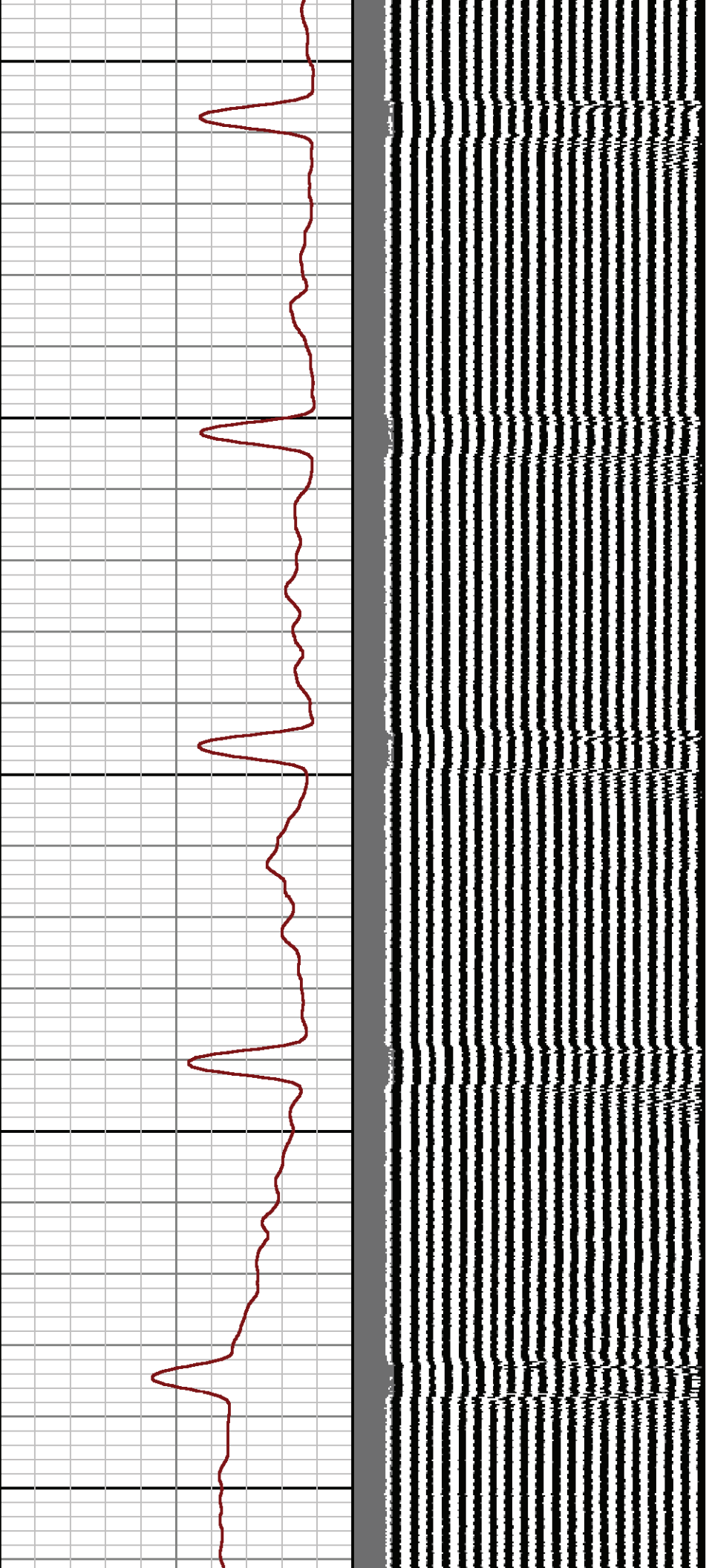
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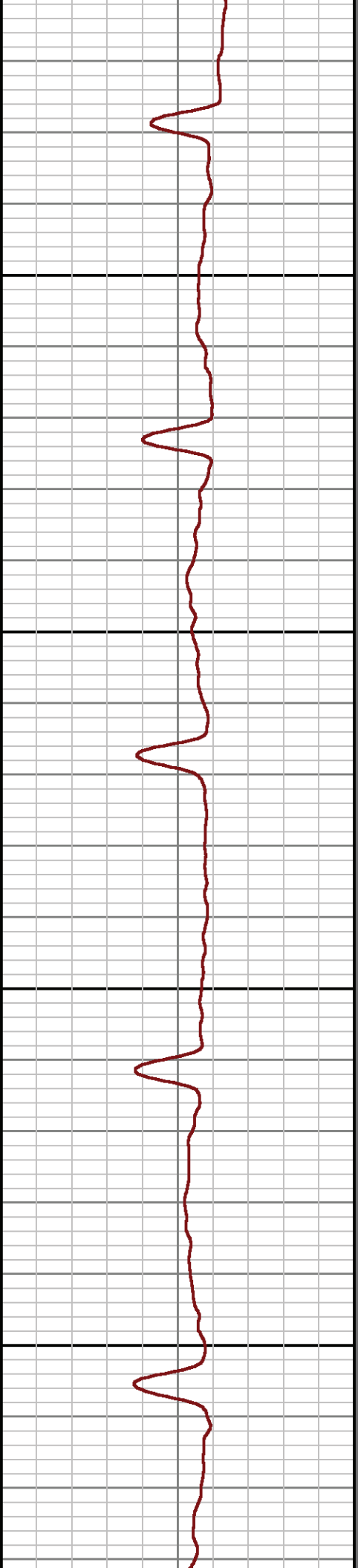
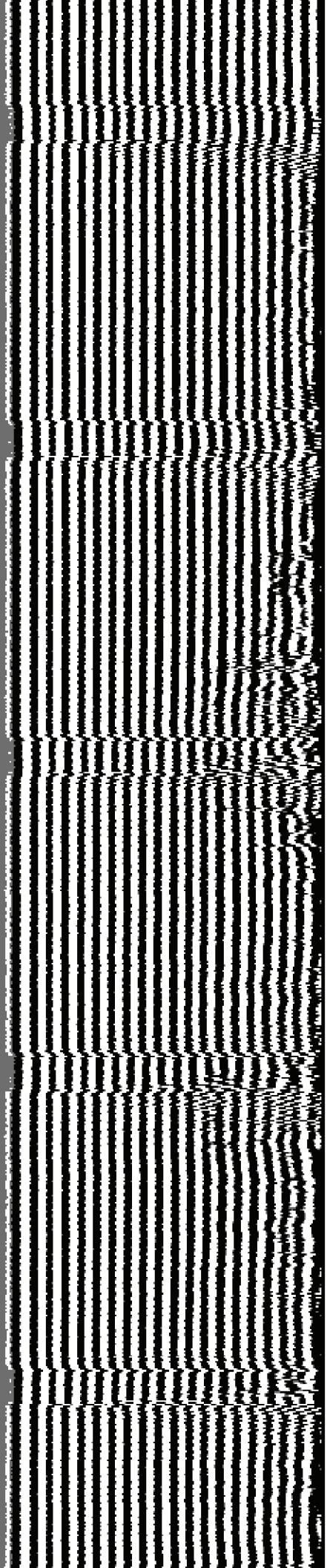
SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-10.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

Created by : RAL, v4.8.008
 Plotted by : PlotMgr, v5.4.504
 Company : WPX ENERGY
 Well : FEDERAL NER 533-32
 File Name : d:\well\data\wpx\ner 533-32\533cbl\main2.xtf
 Mode : PlotMgr 5.4.504
 Interval : 0.00 - 10231.25 feet UP
 Created : 9/2/2014 11:03:51 AM



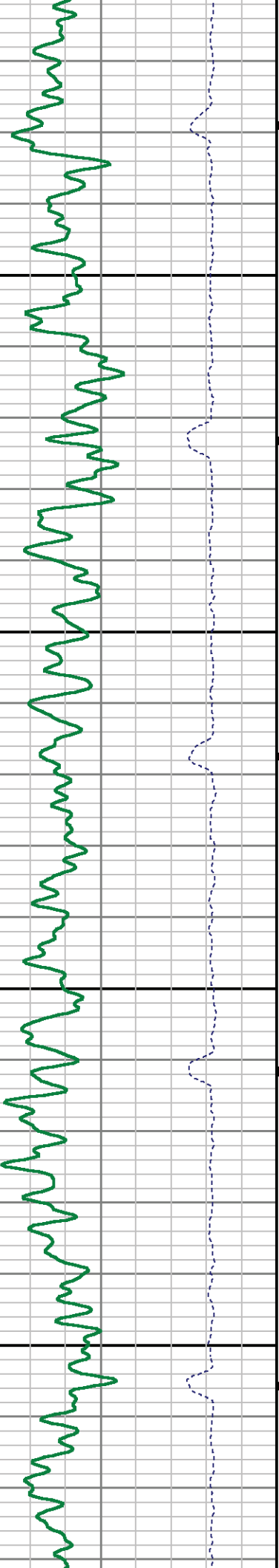


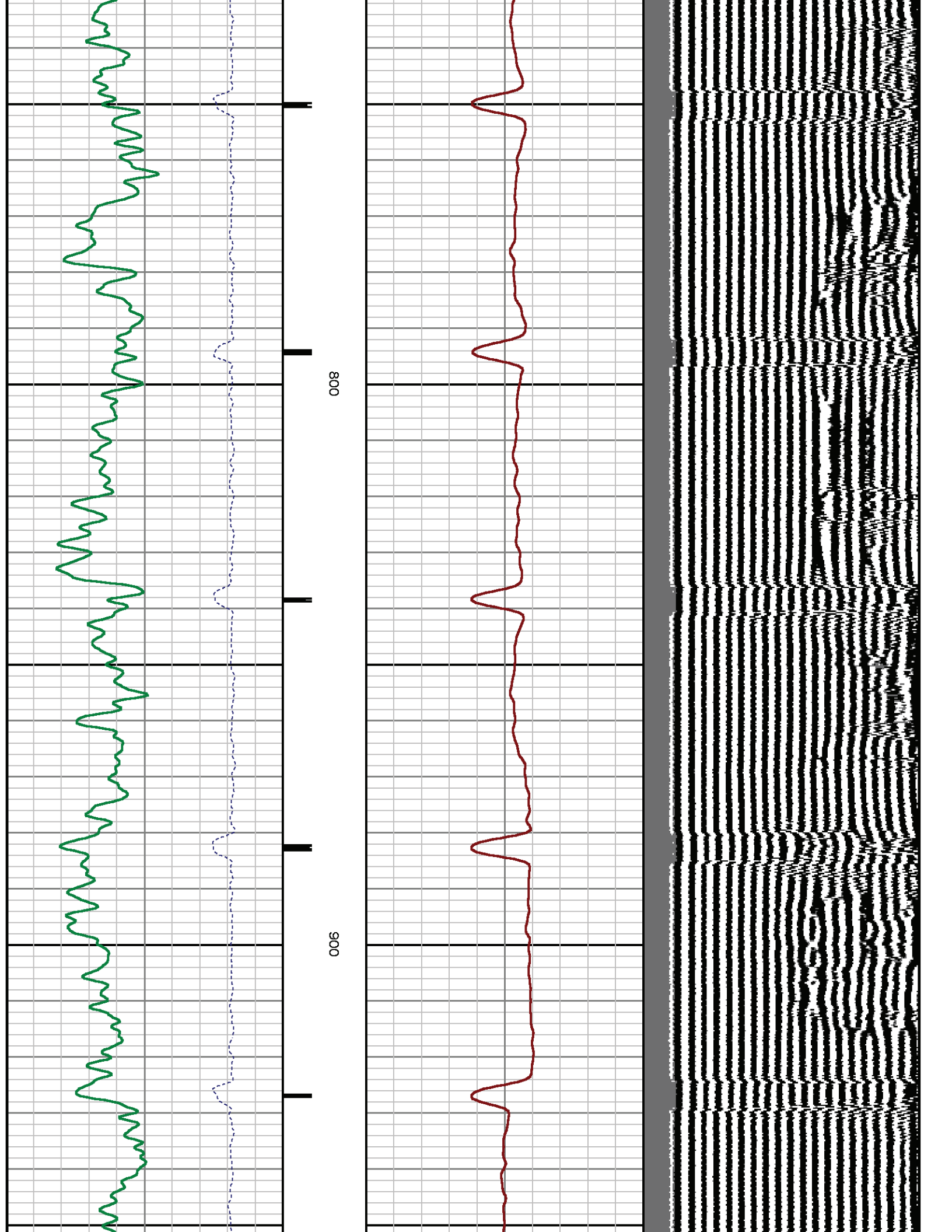


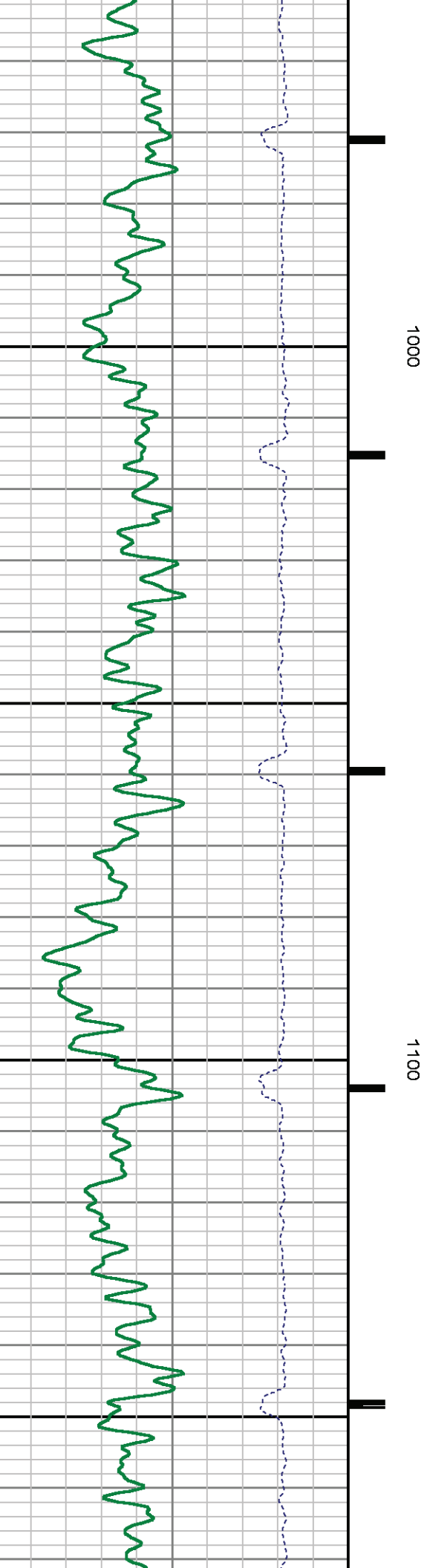
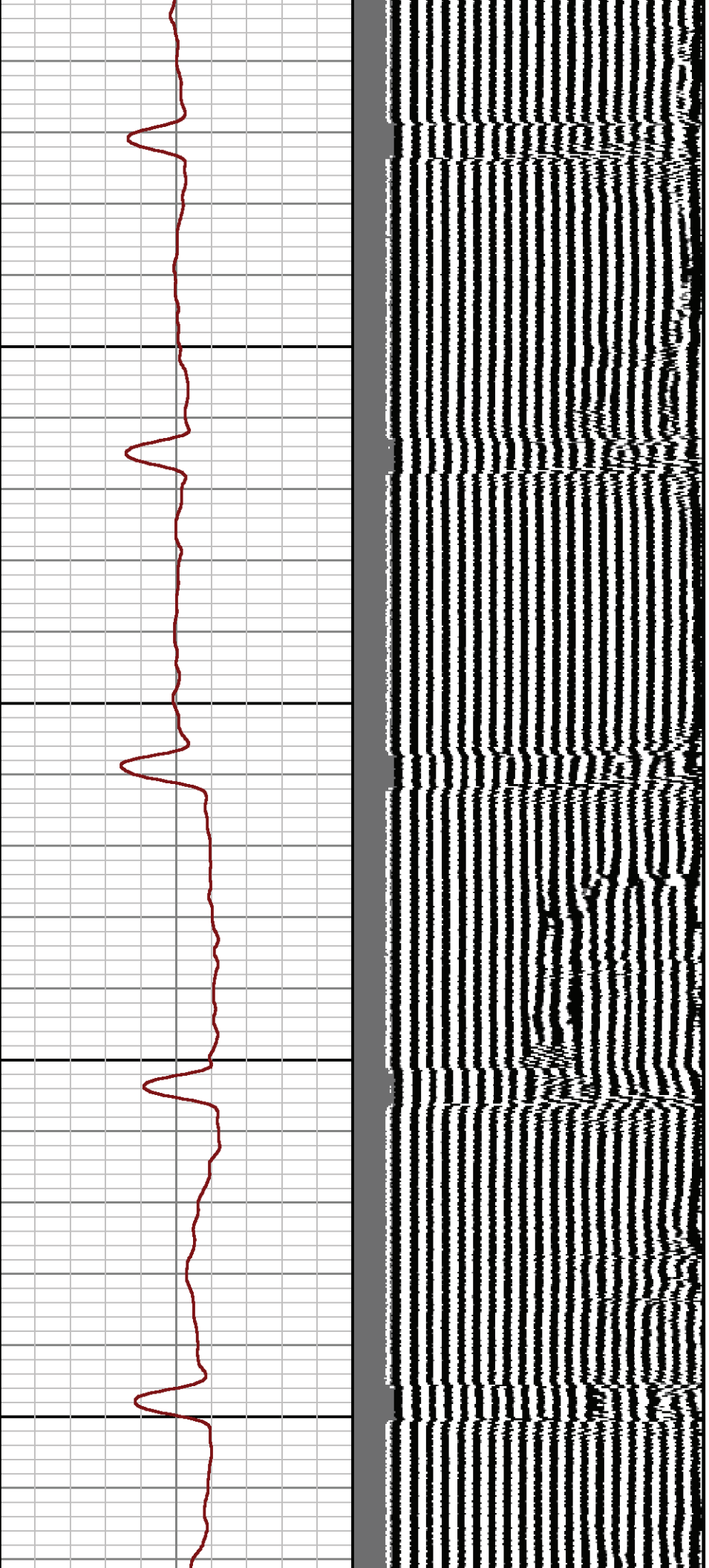


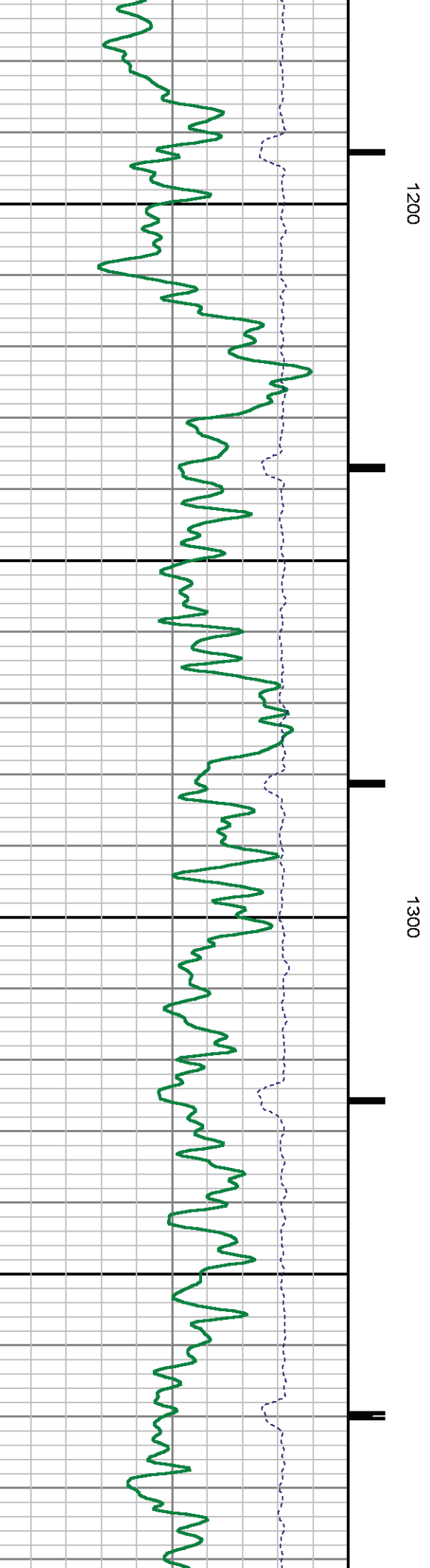
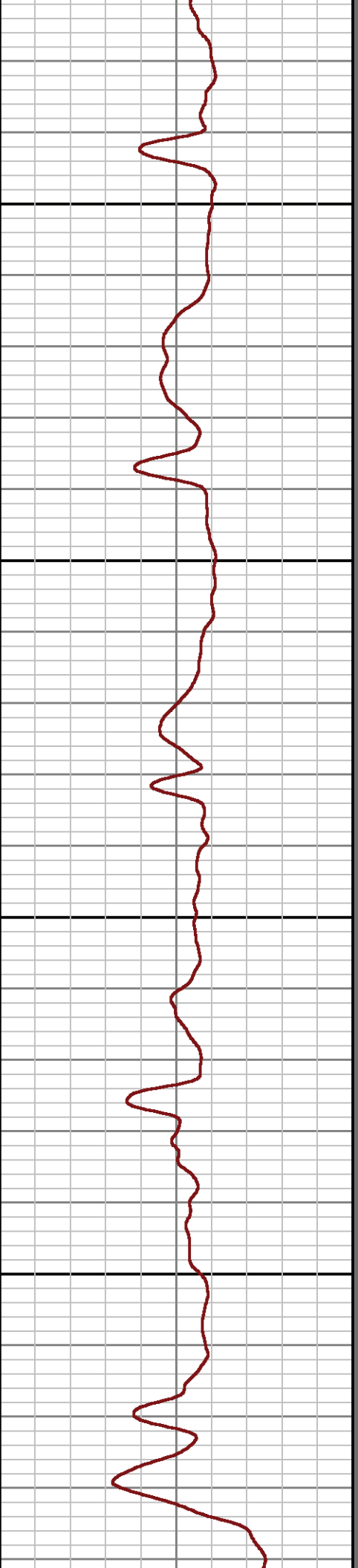
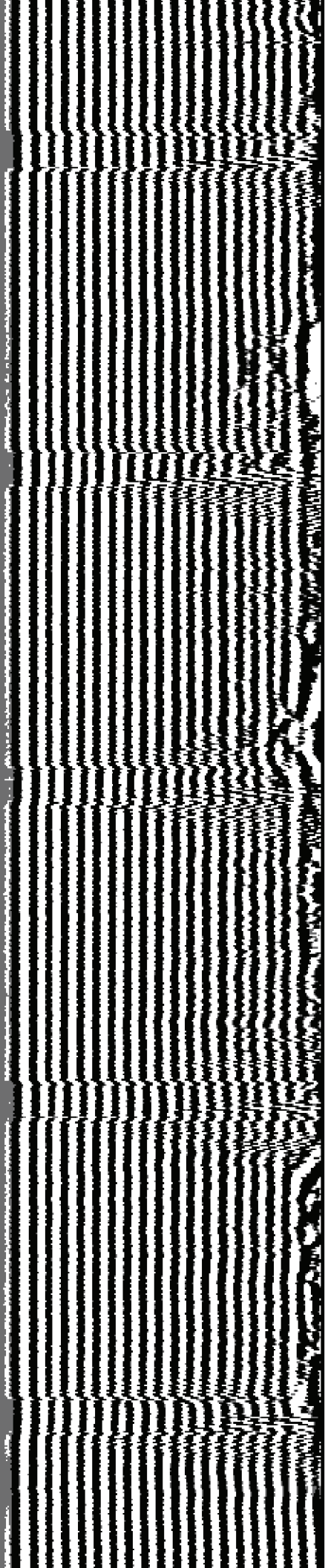
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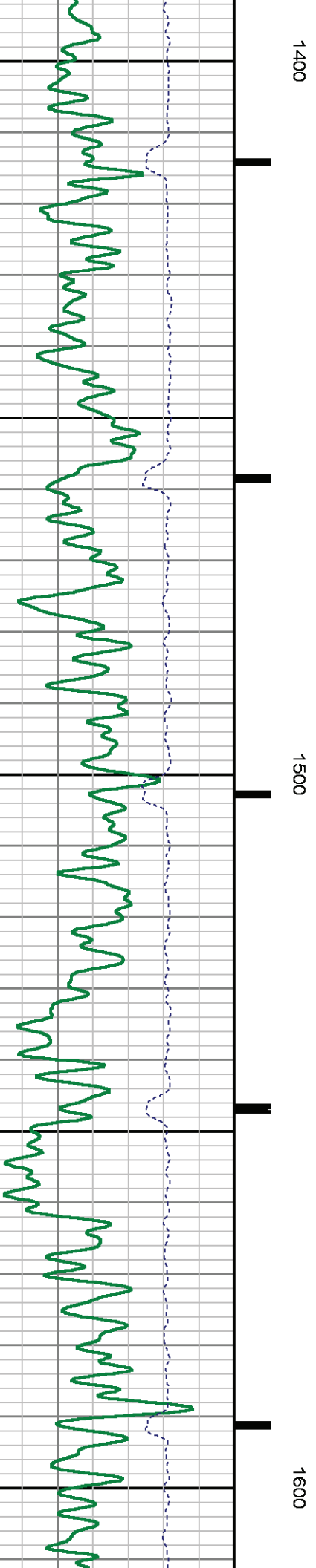
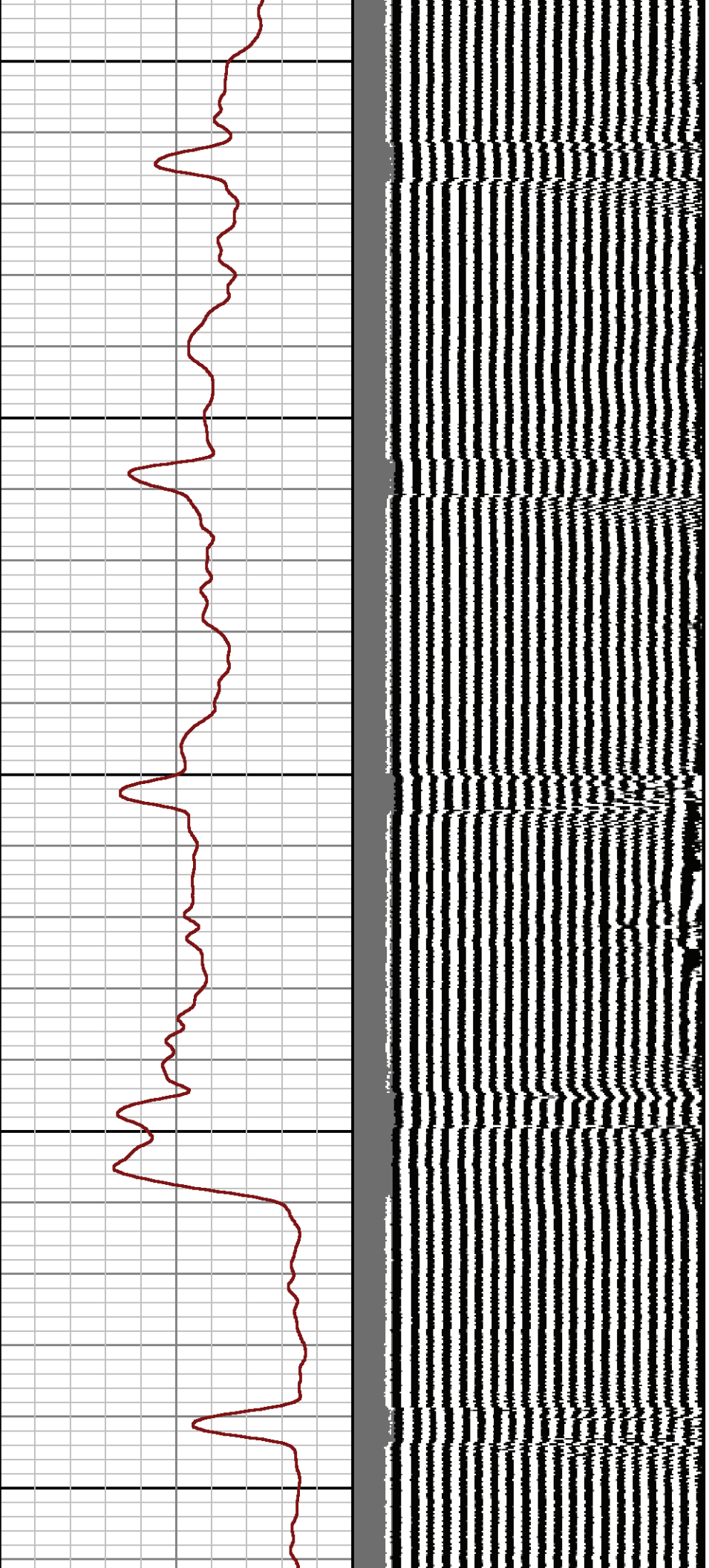
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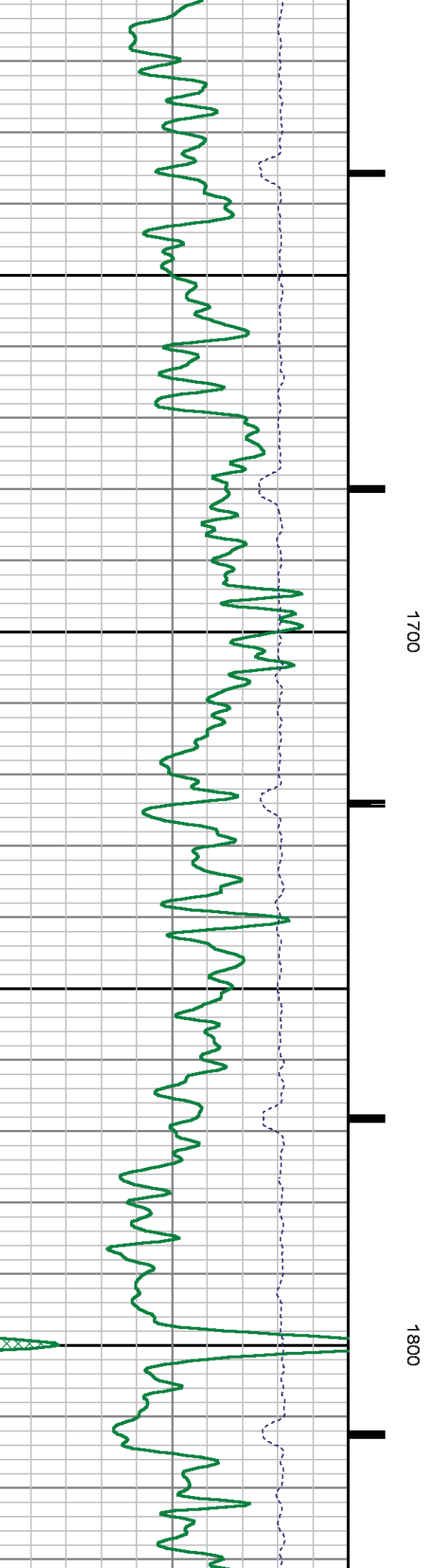
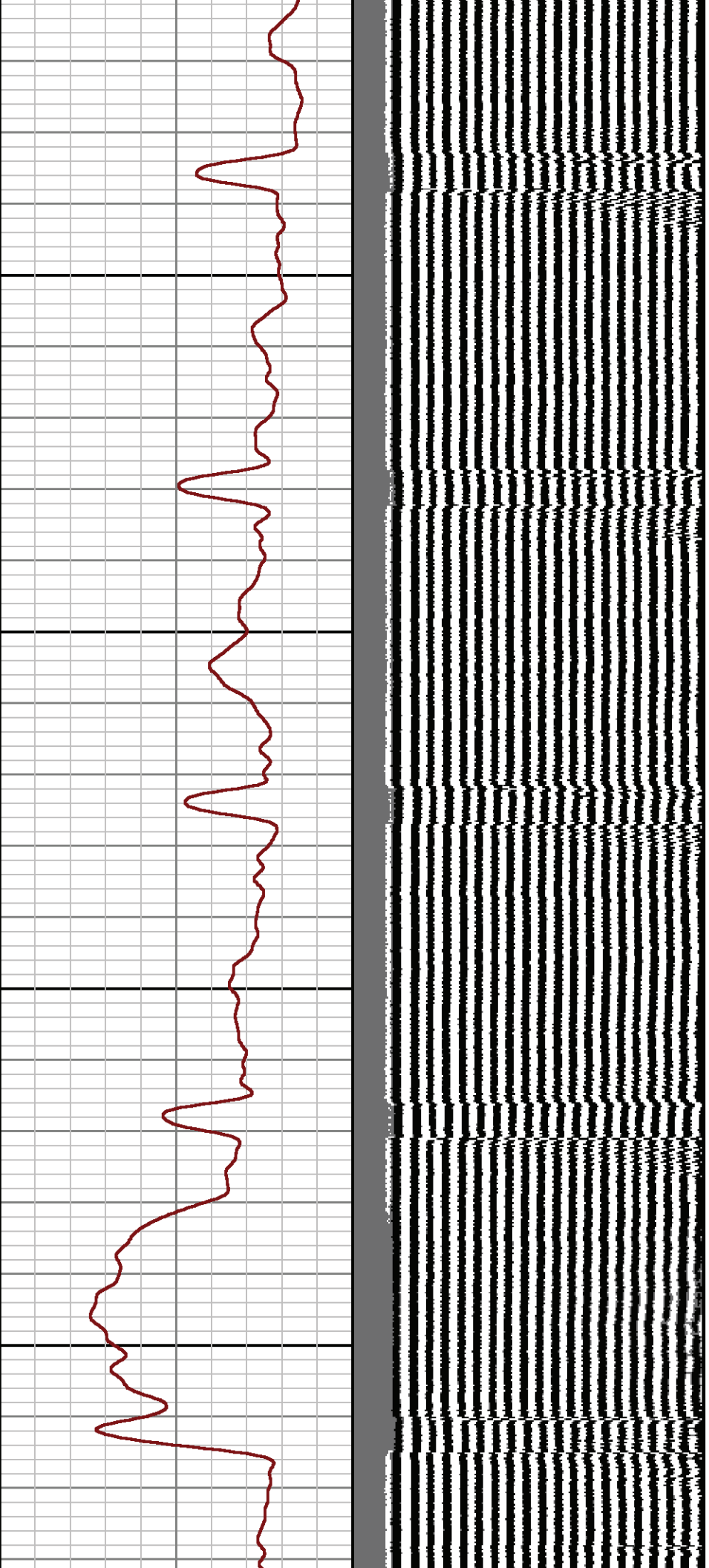


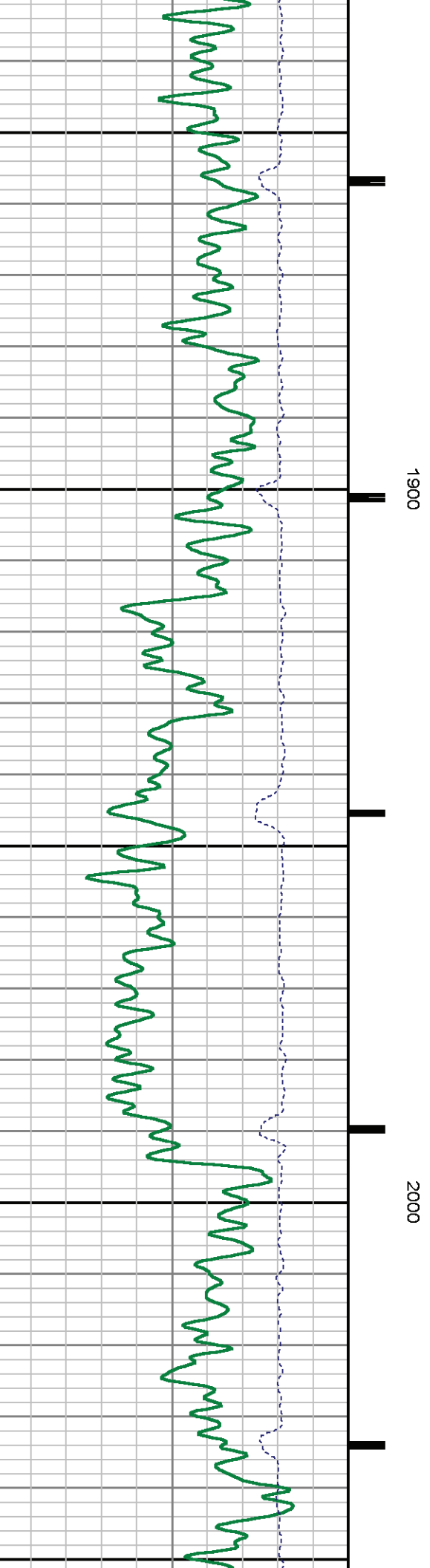
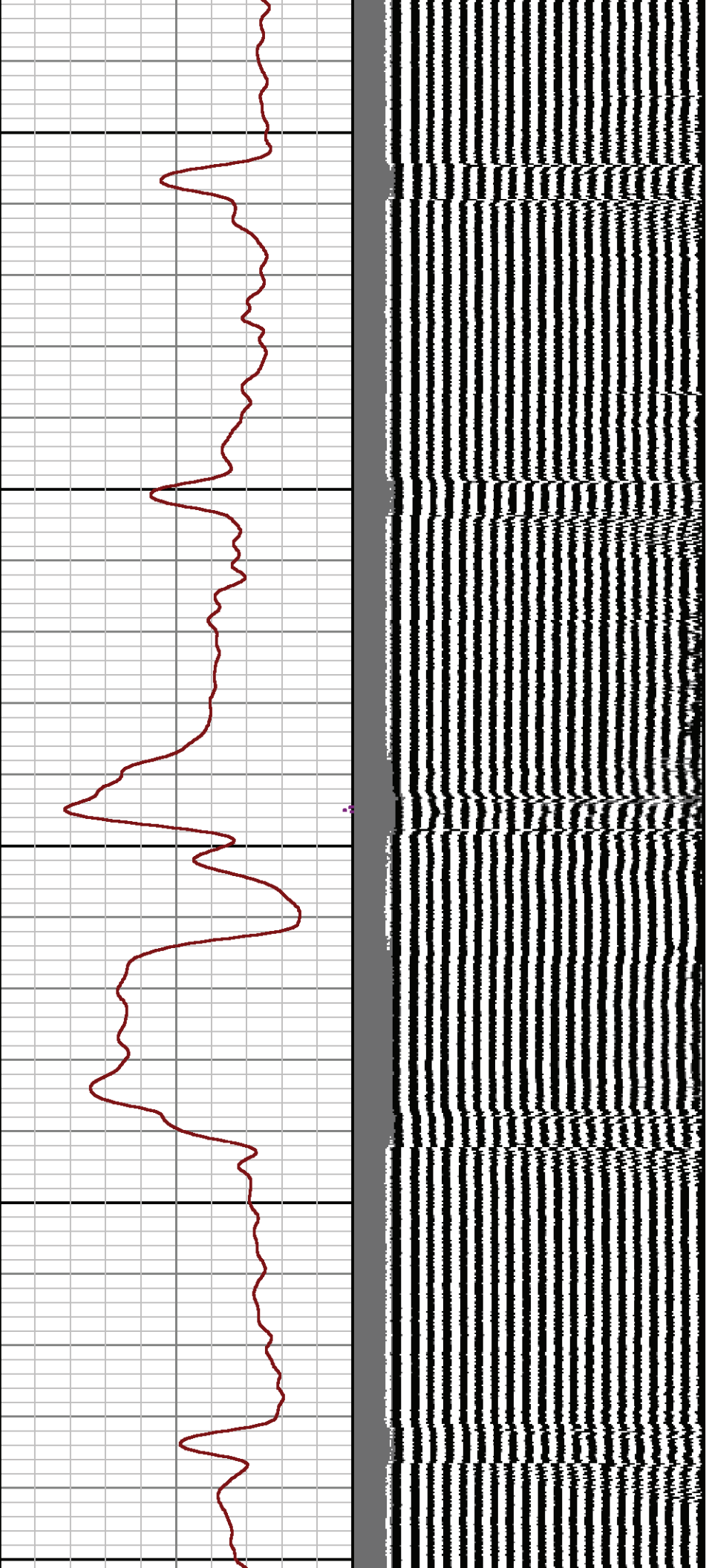


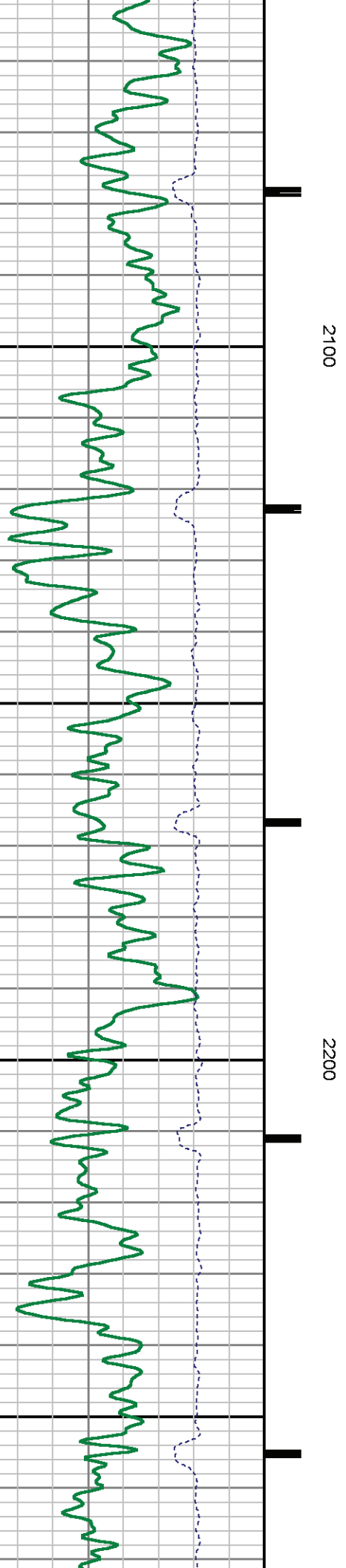
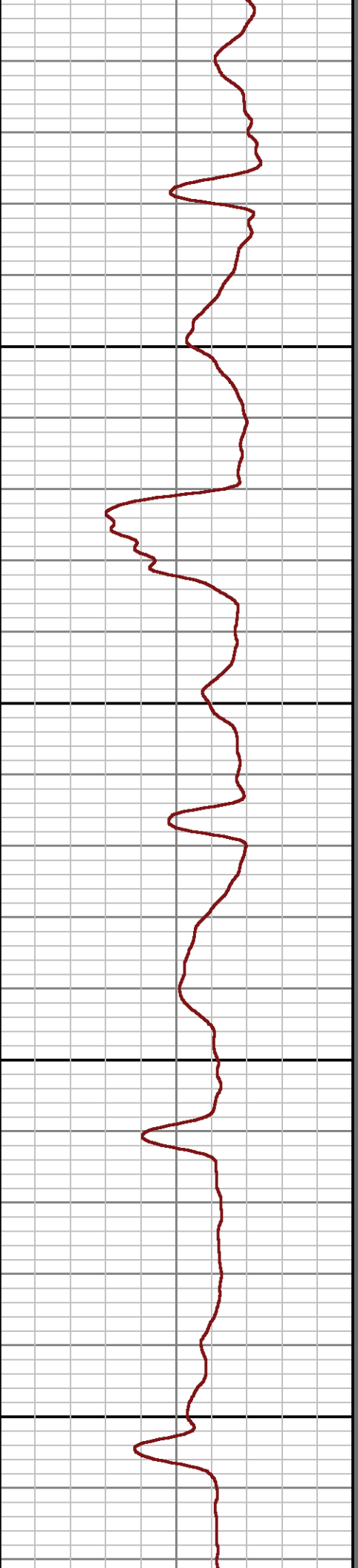
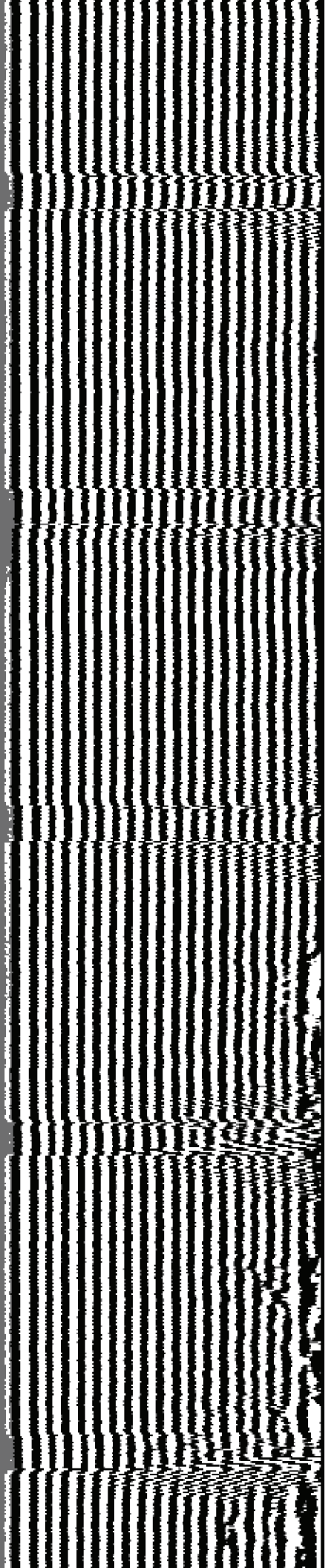


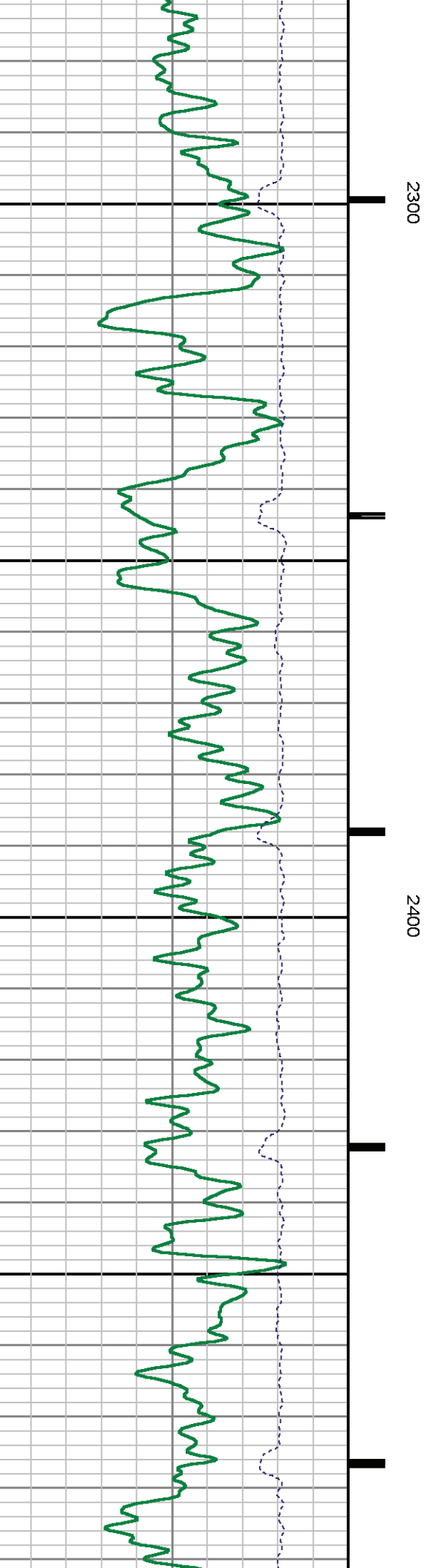
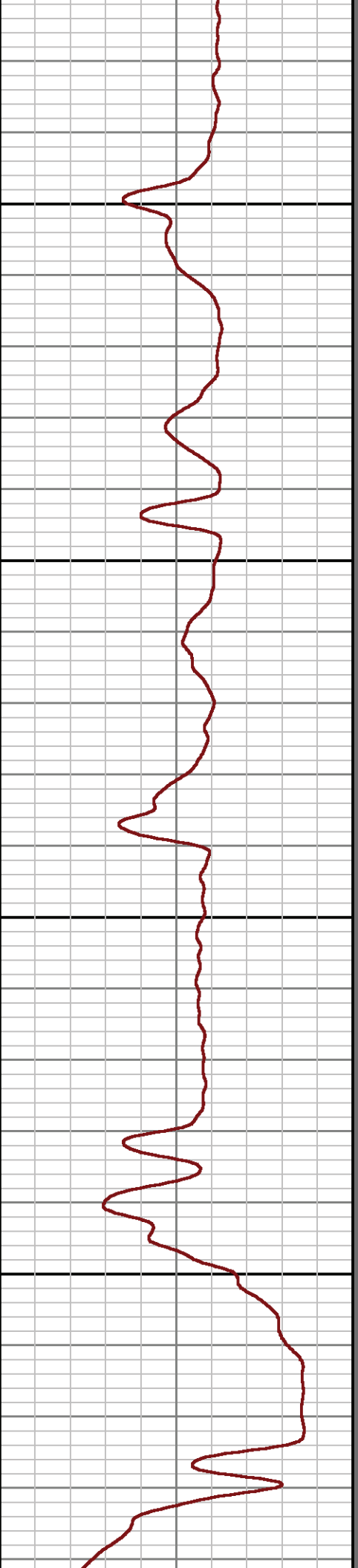
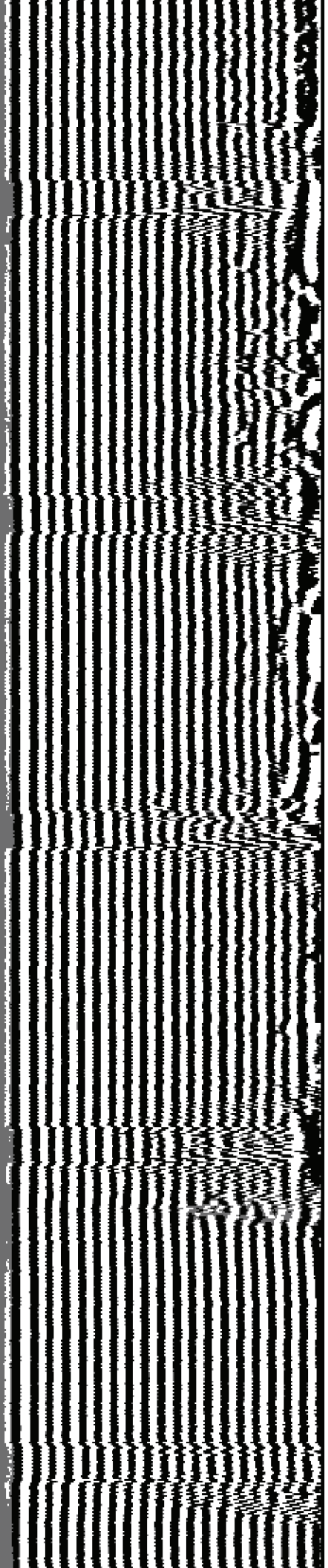


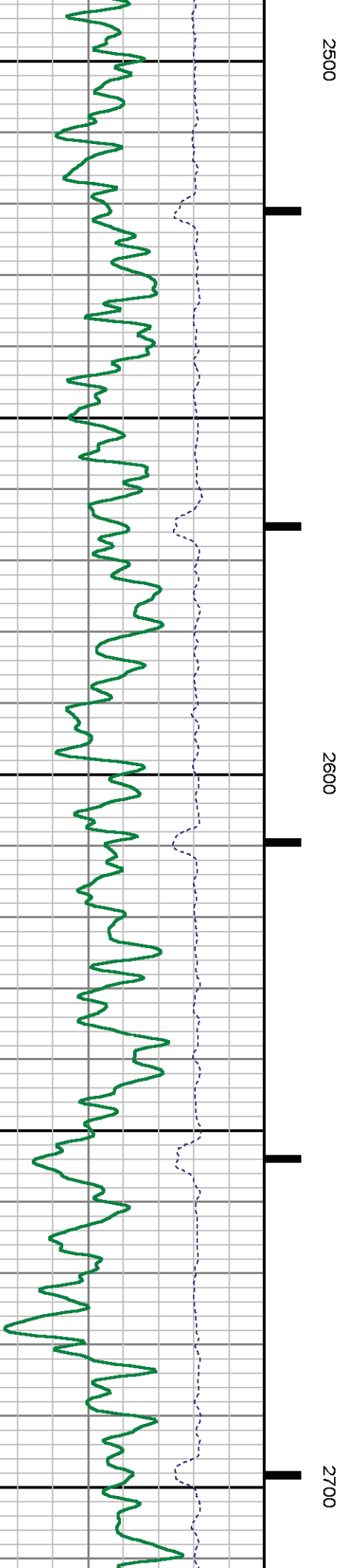
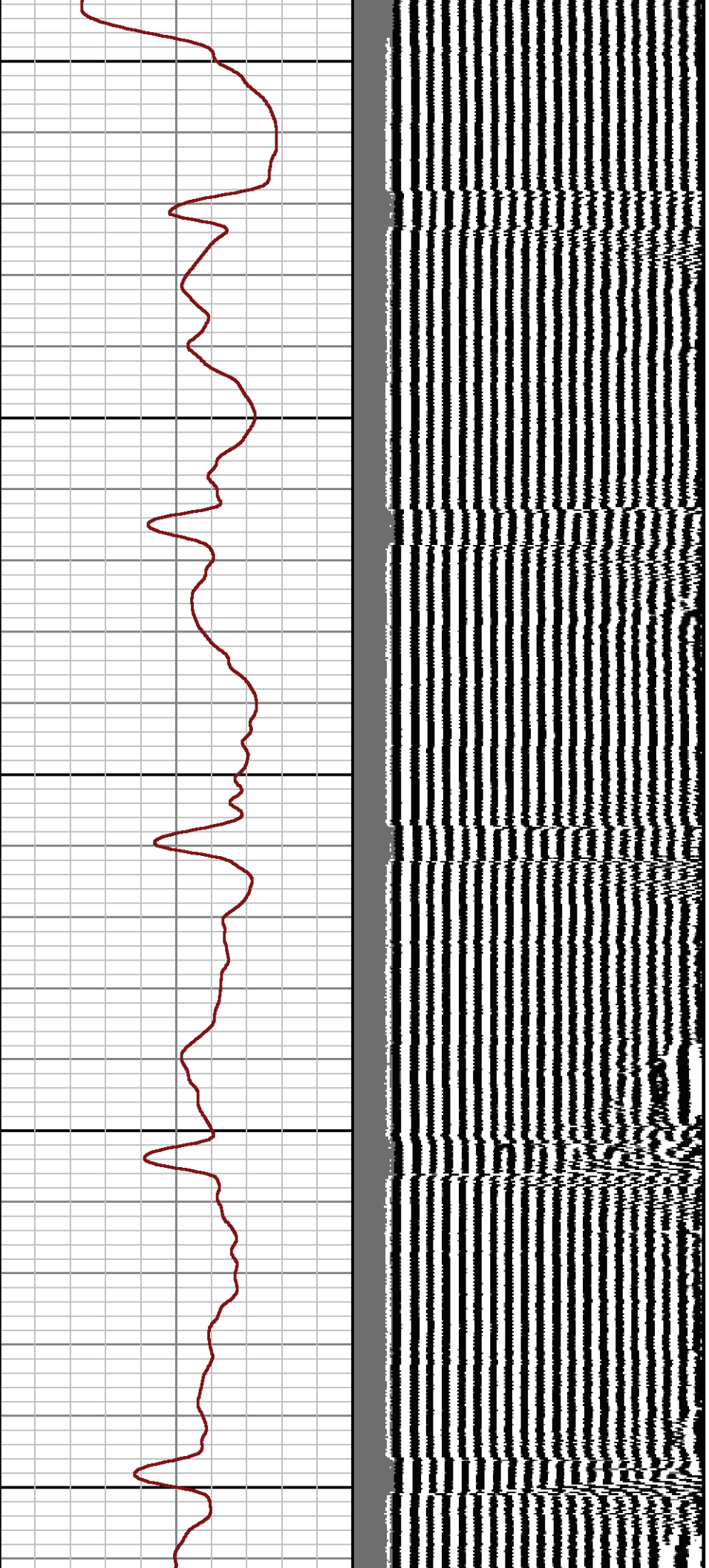


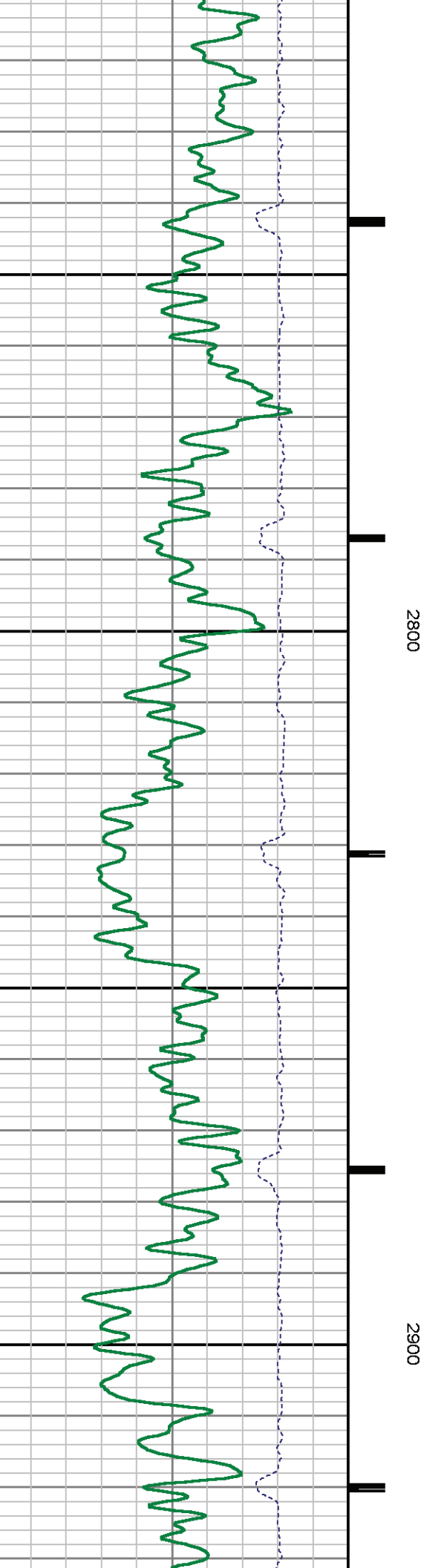
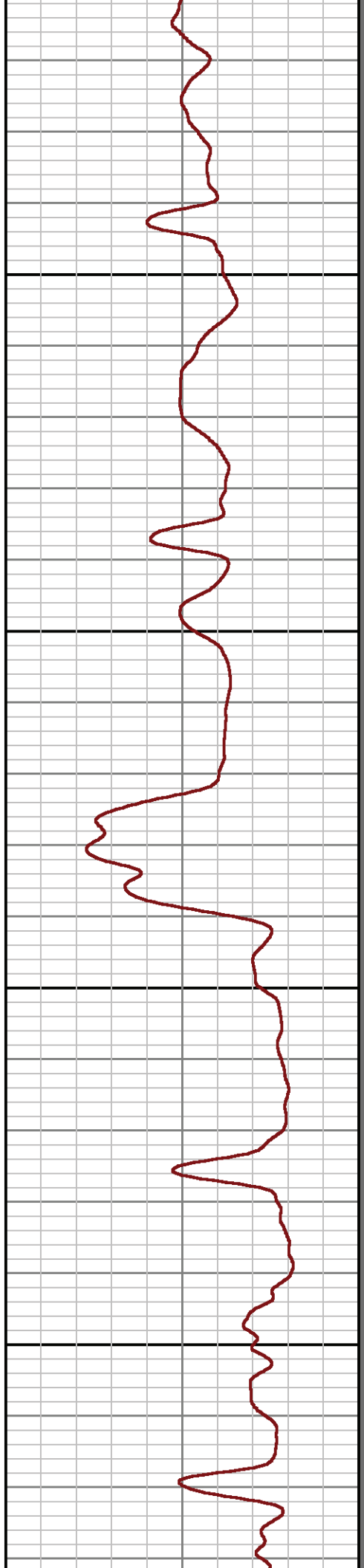
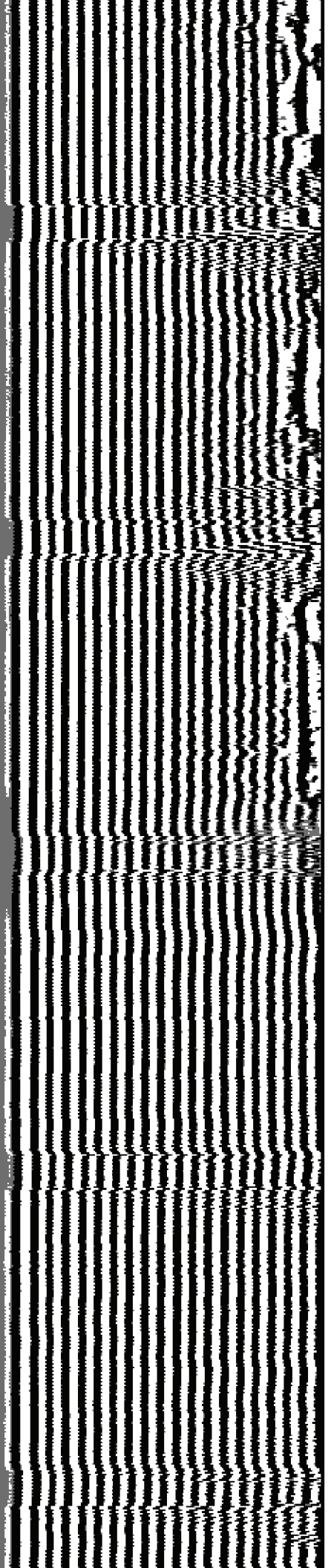


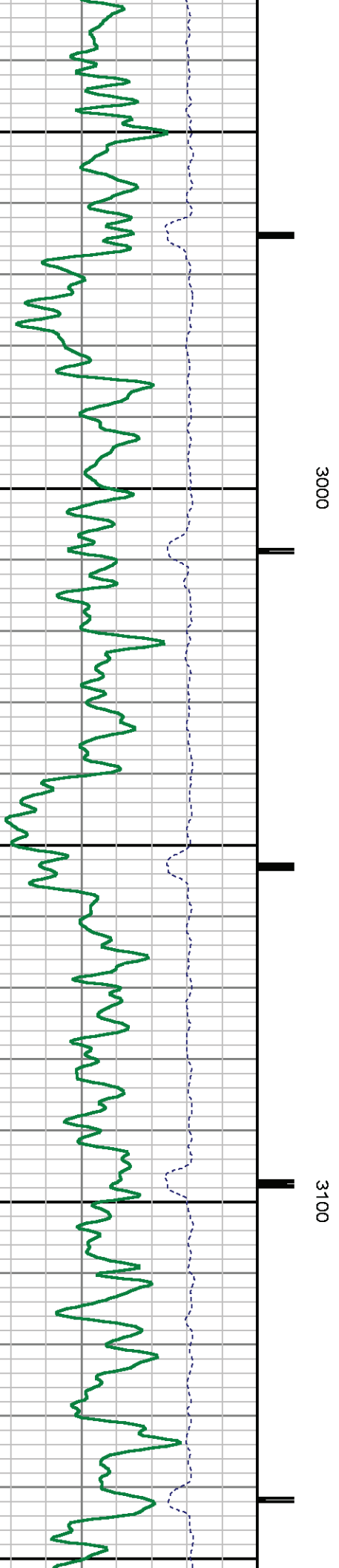
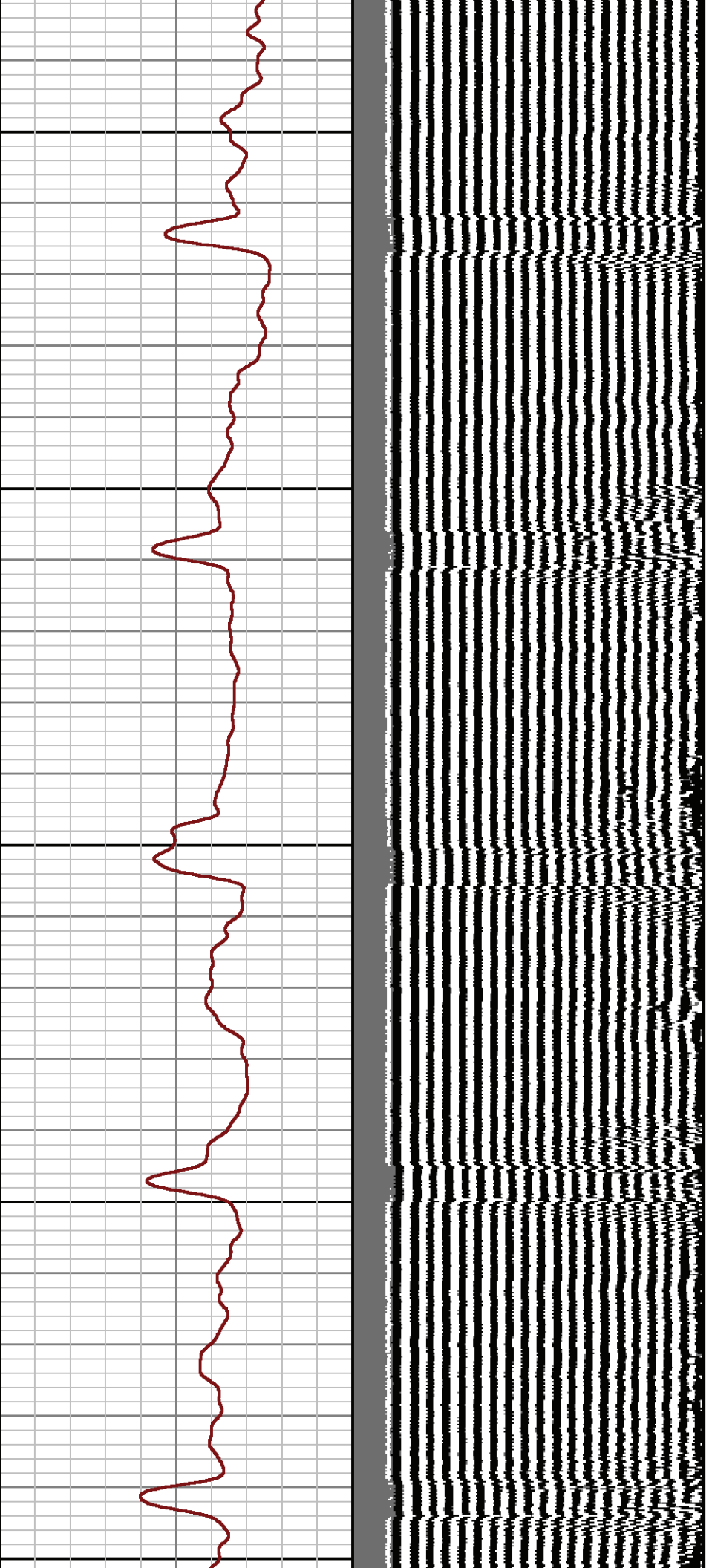


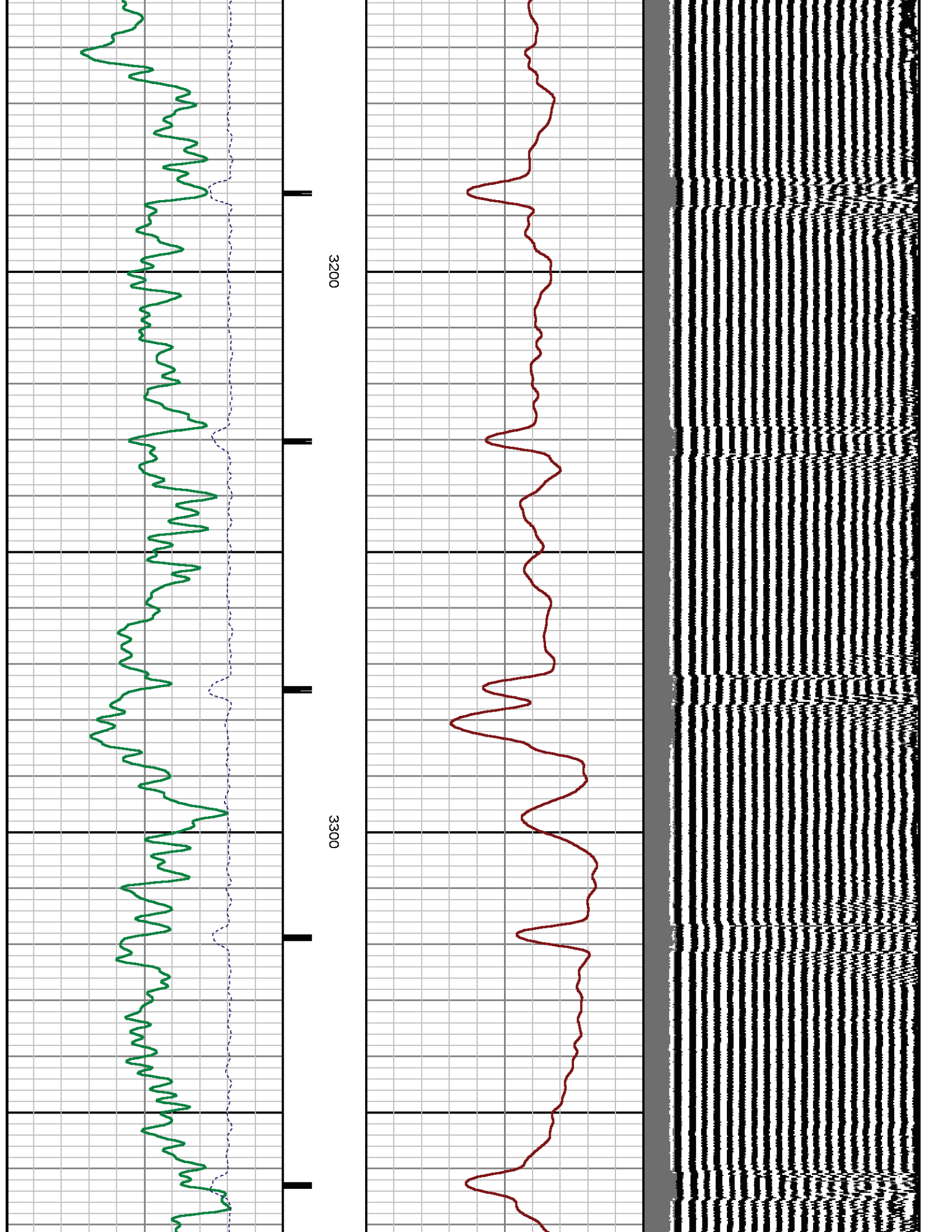


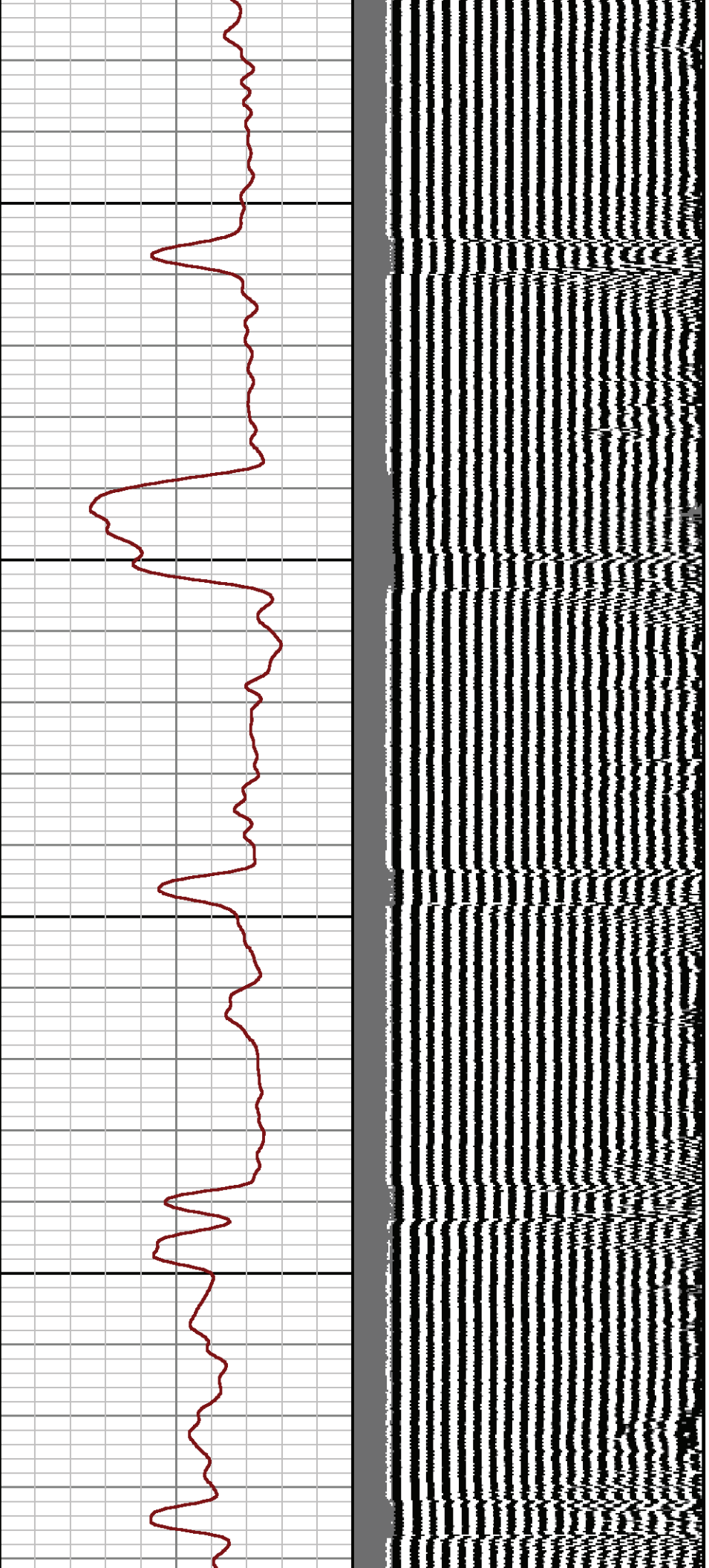






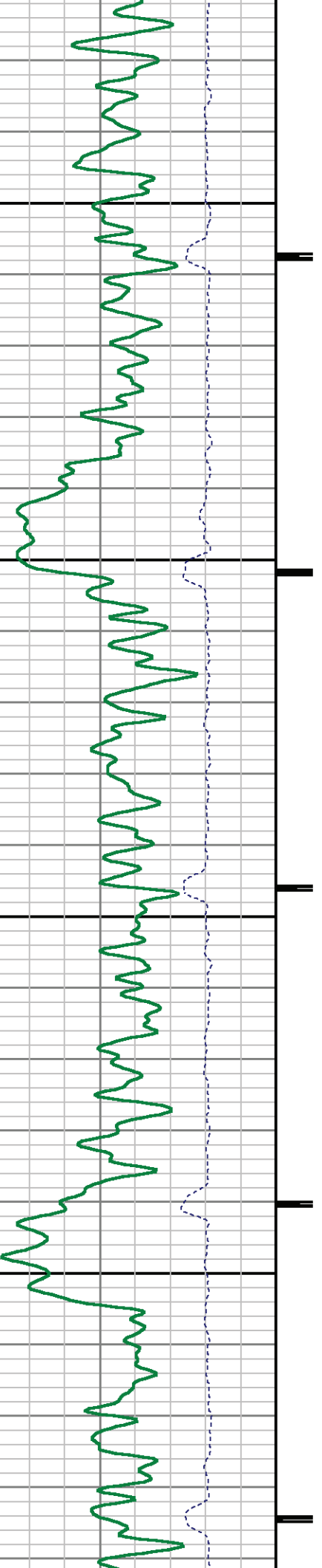


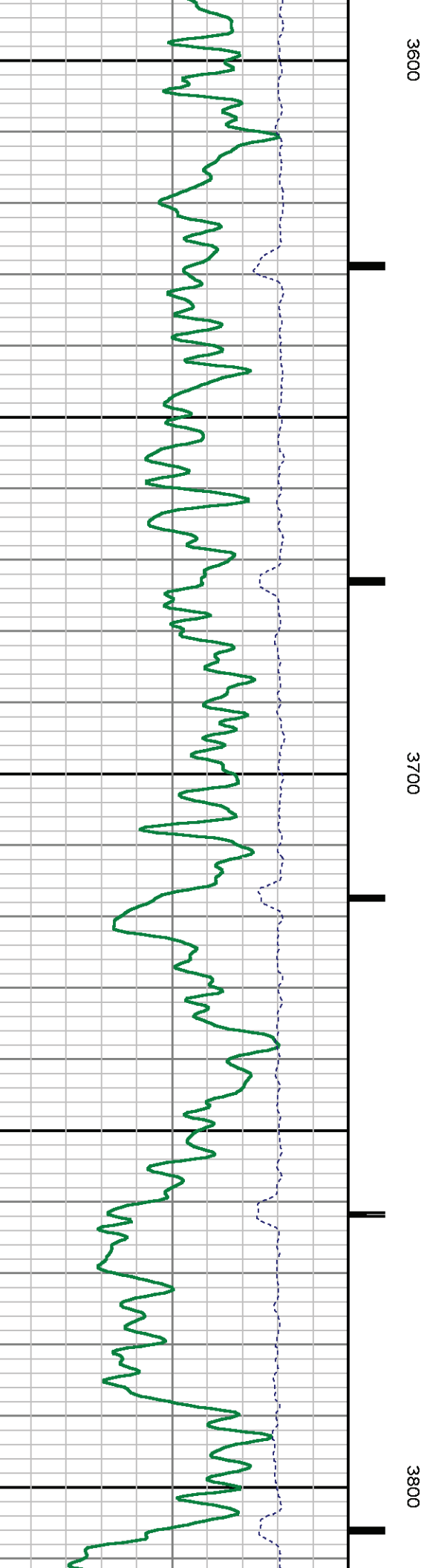
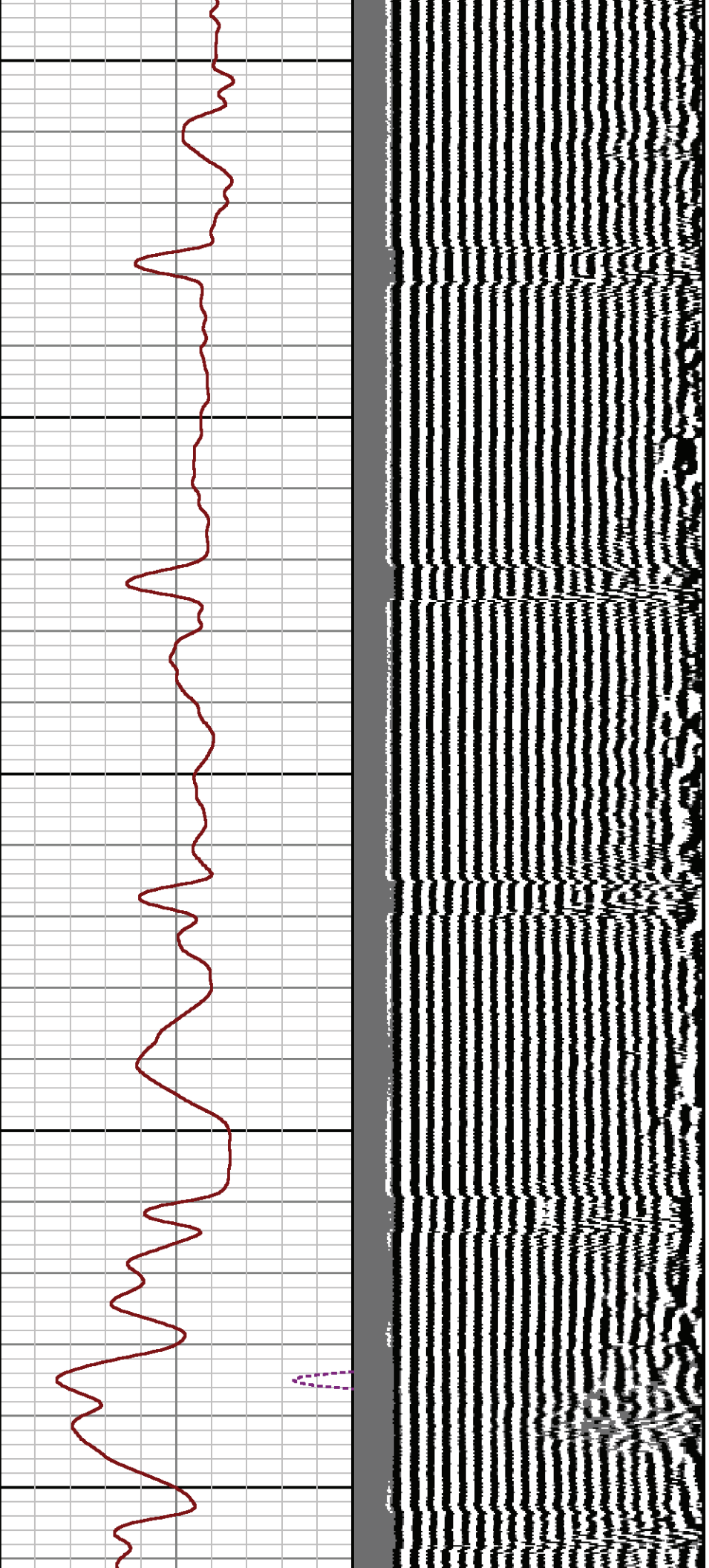


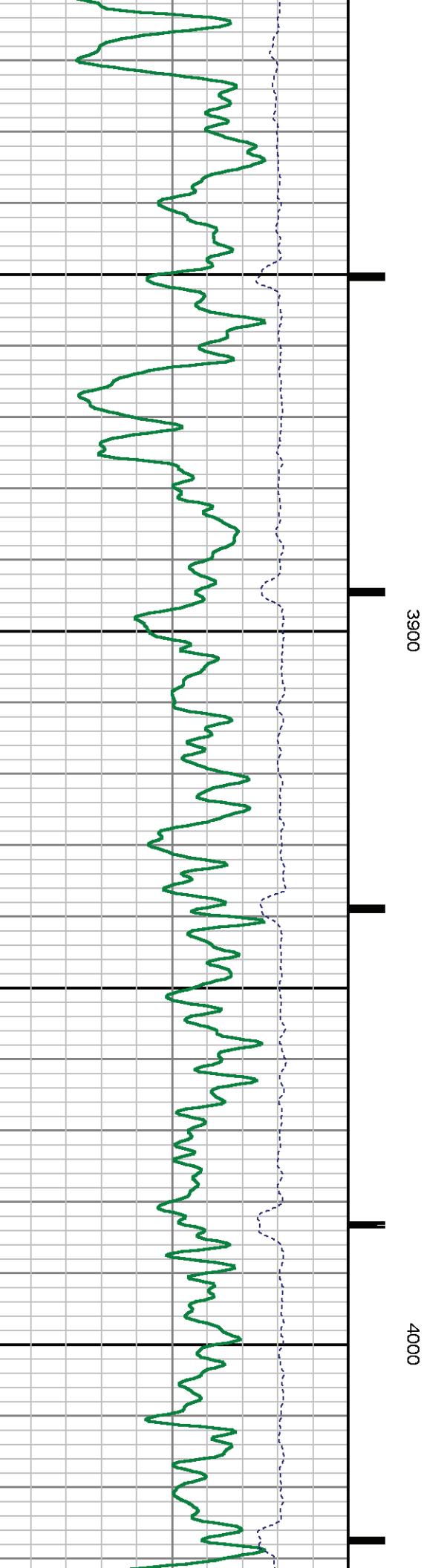
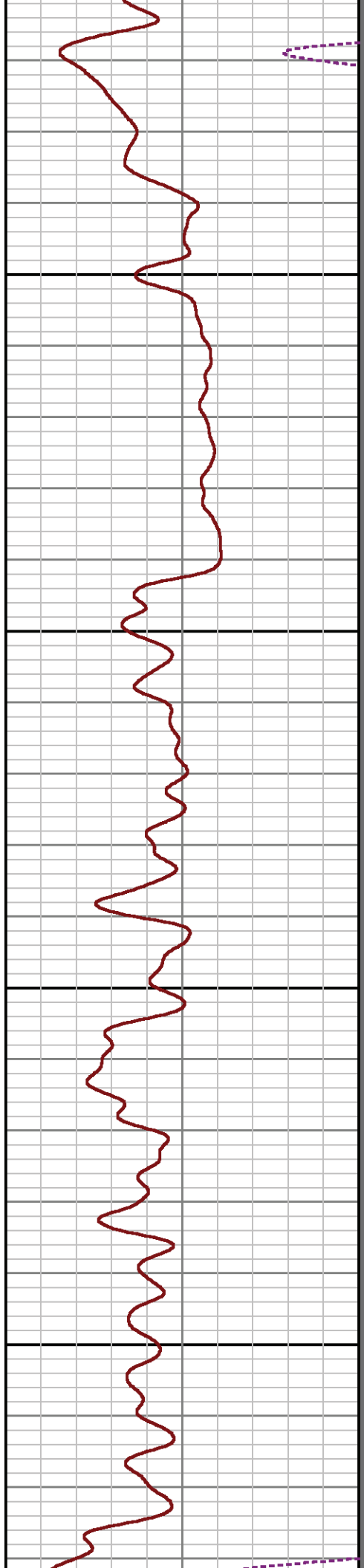
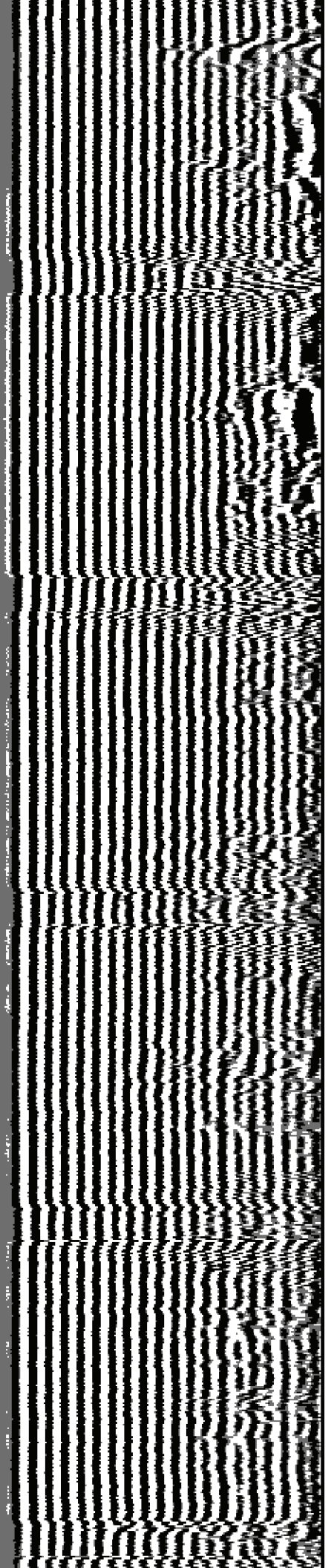


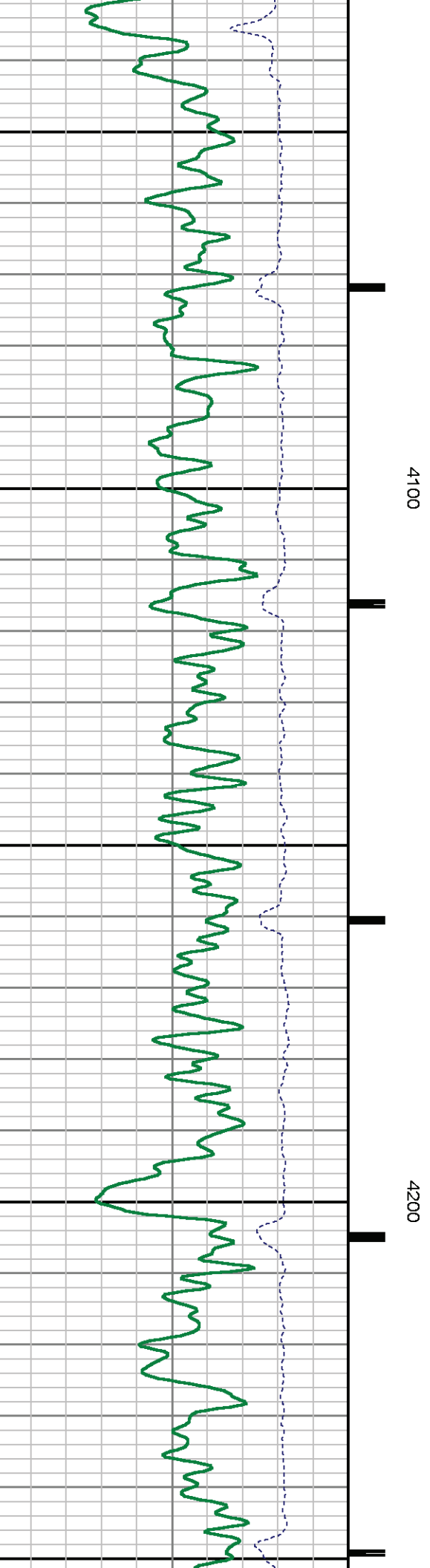
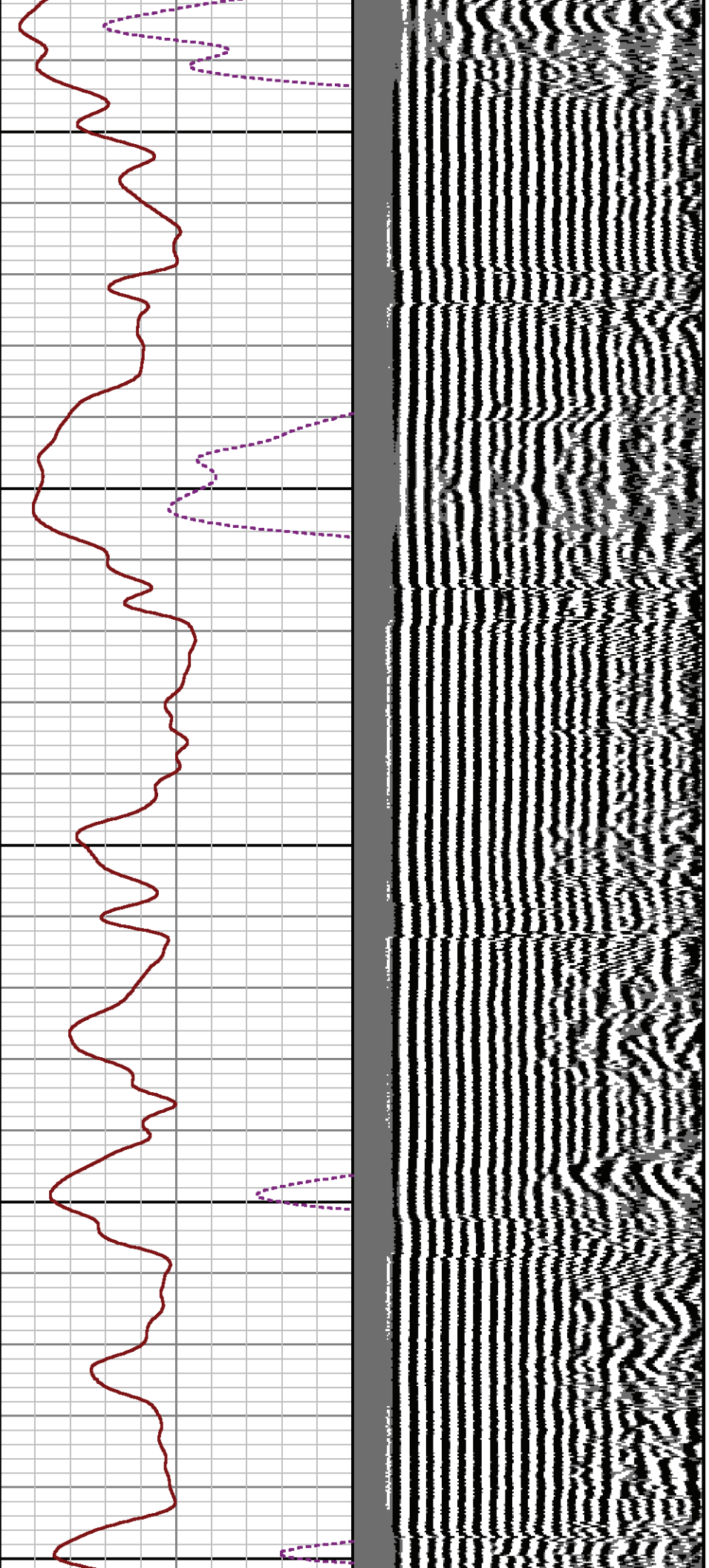
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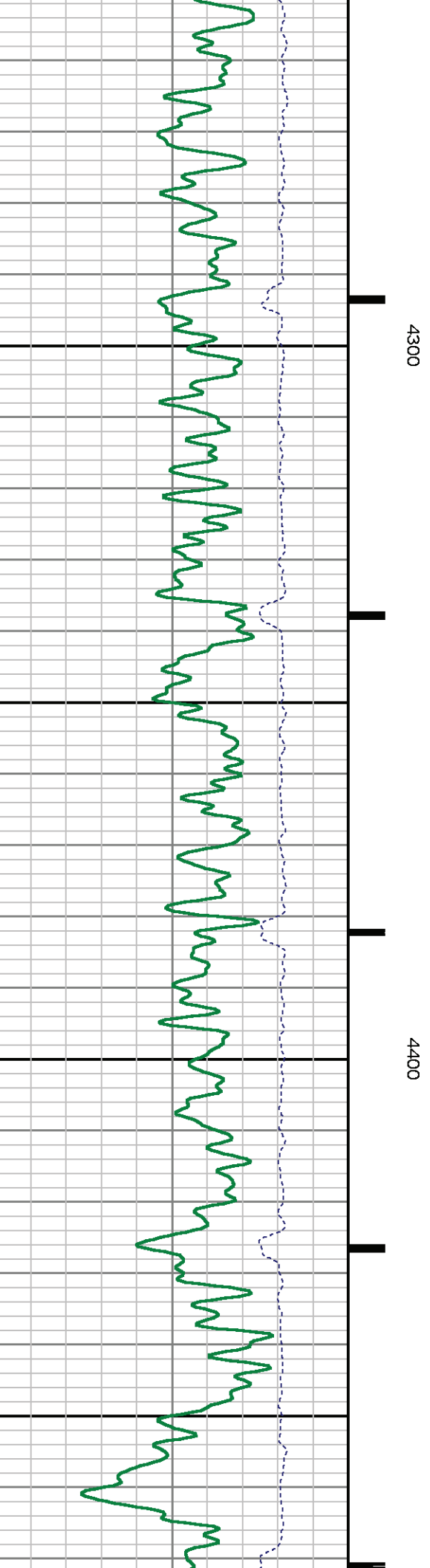
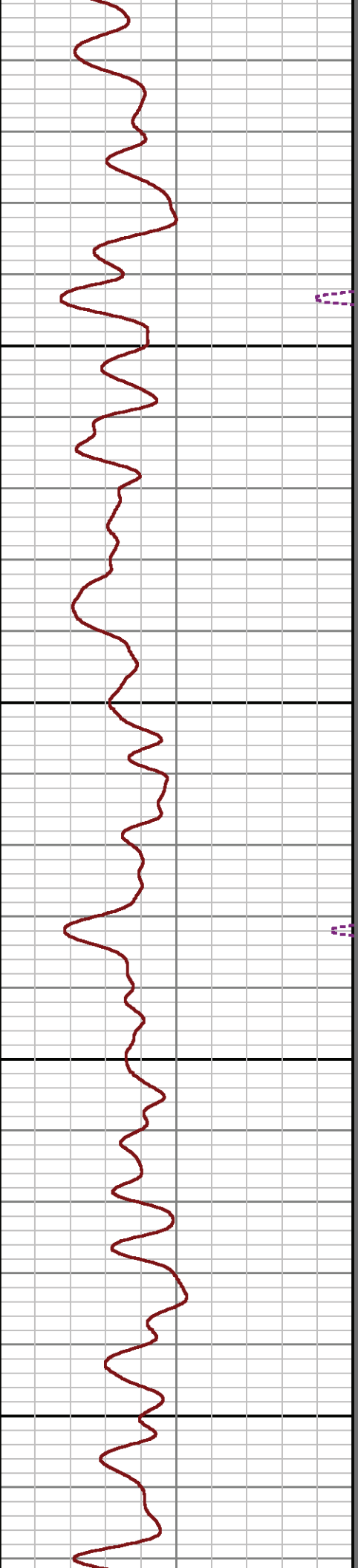
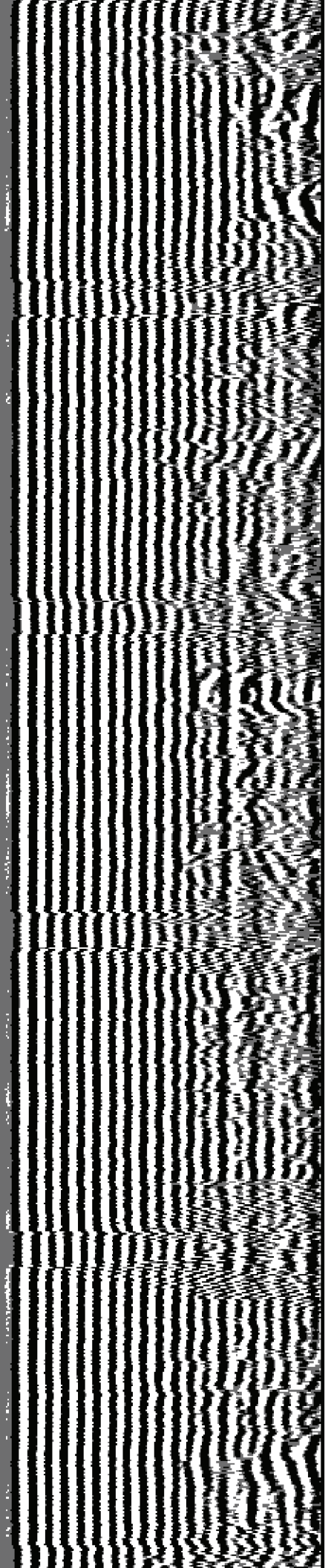
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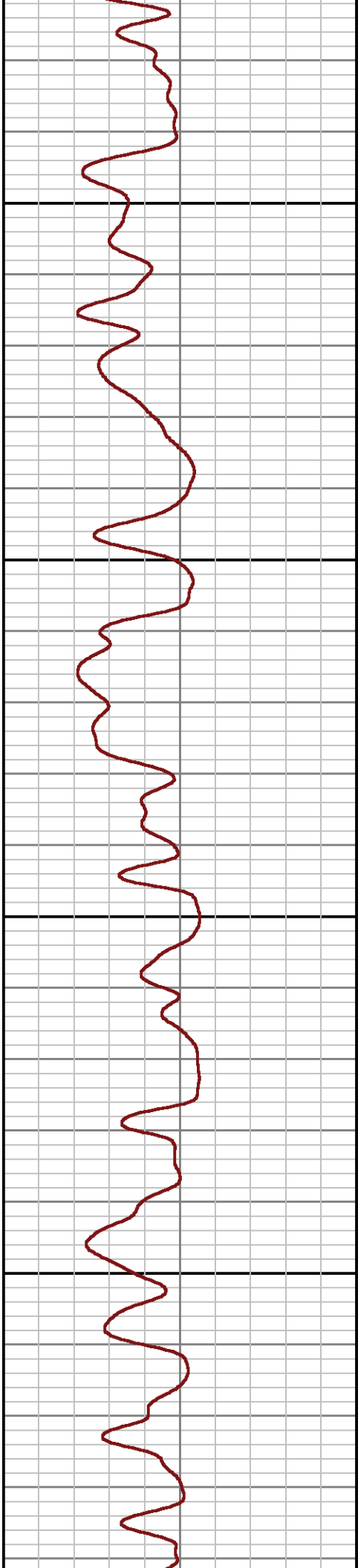
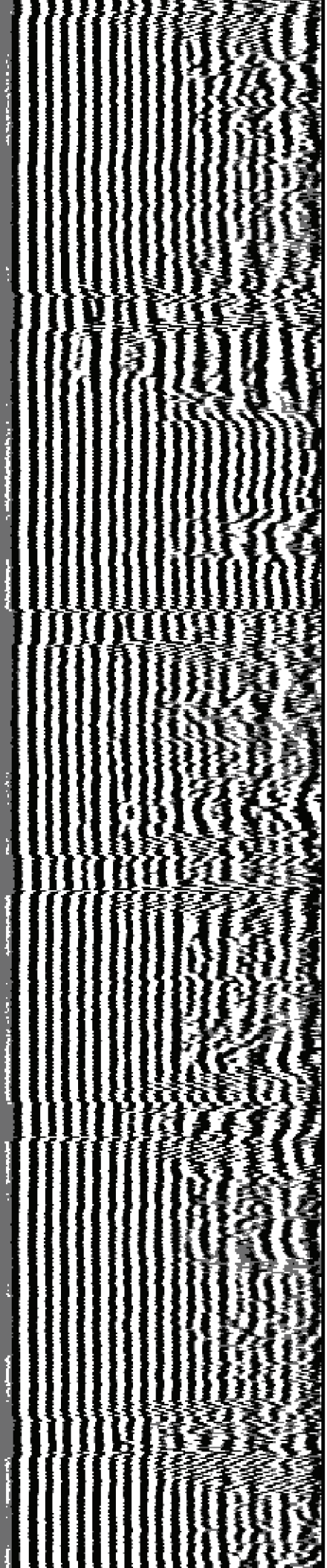






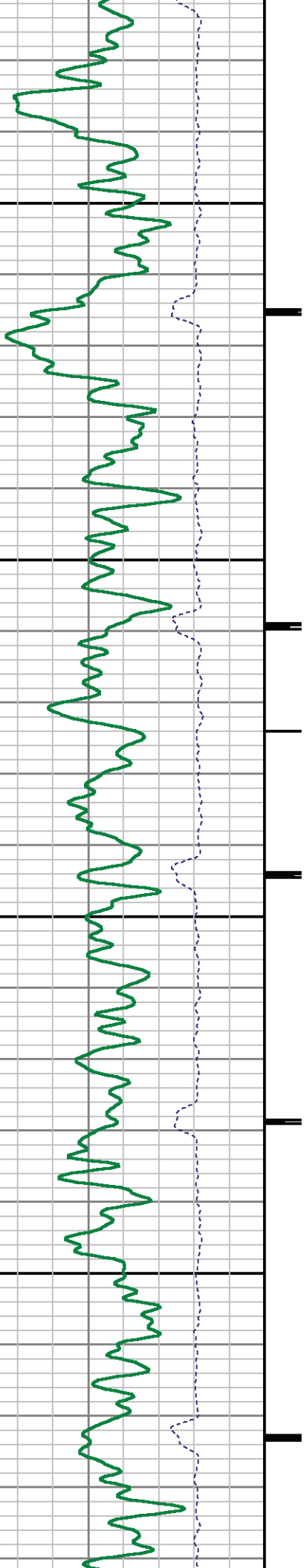


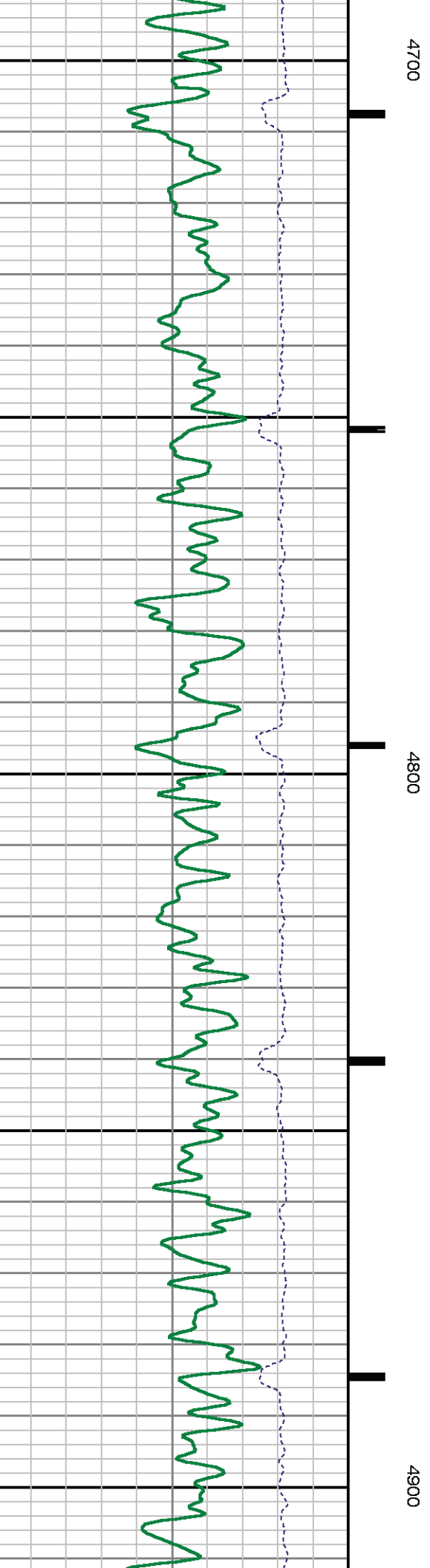
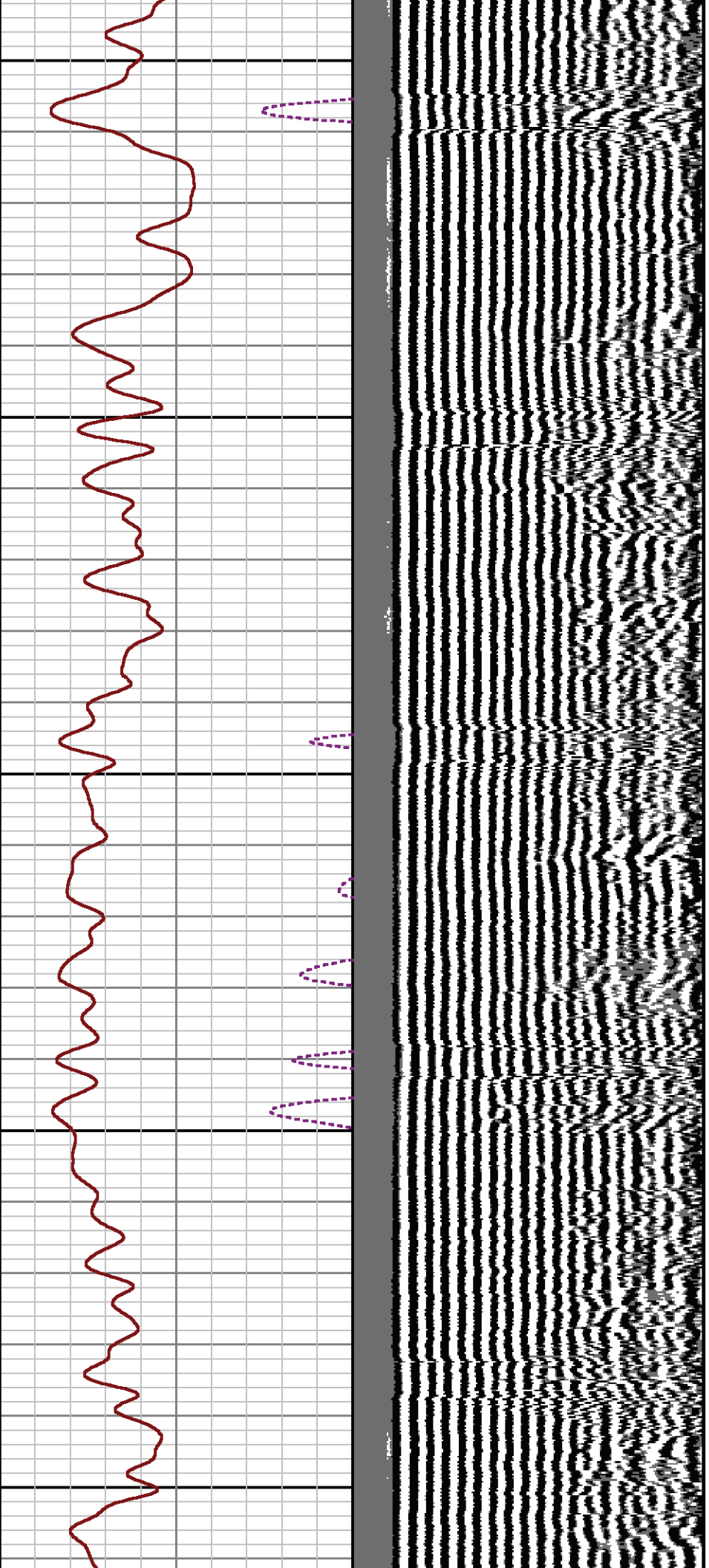


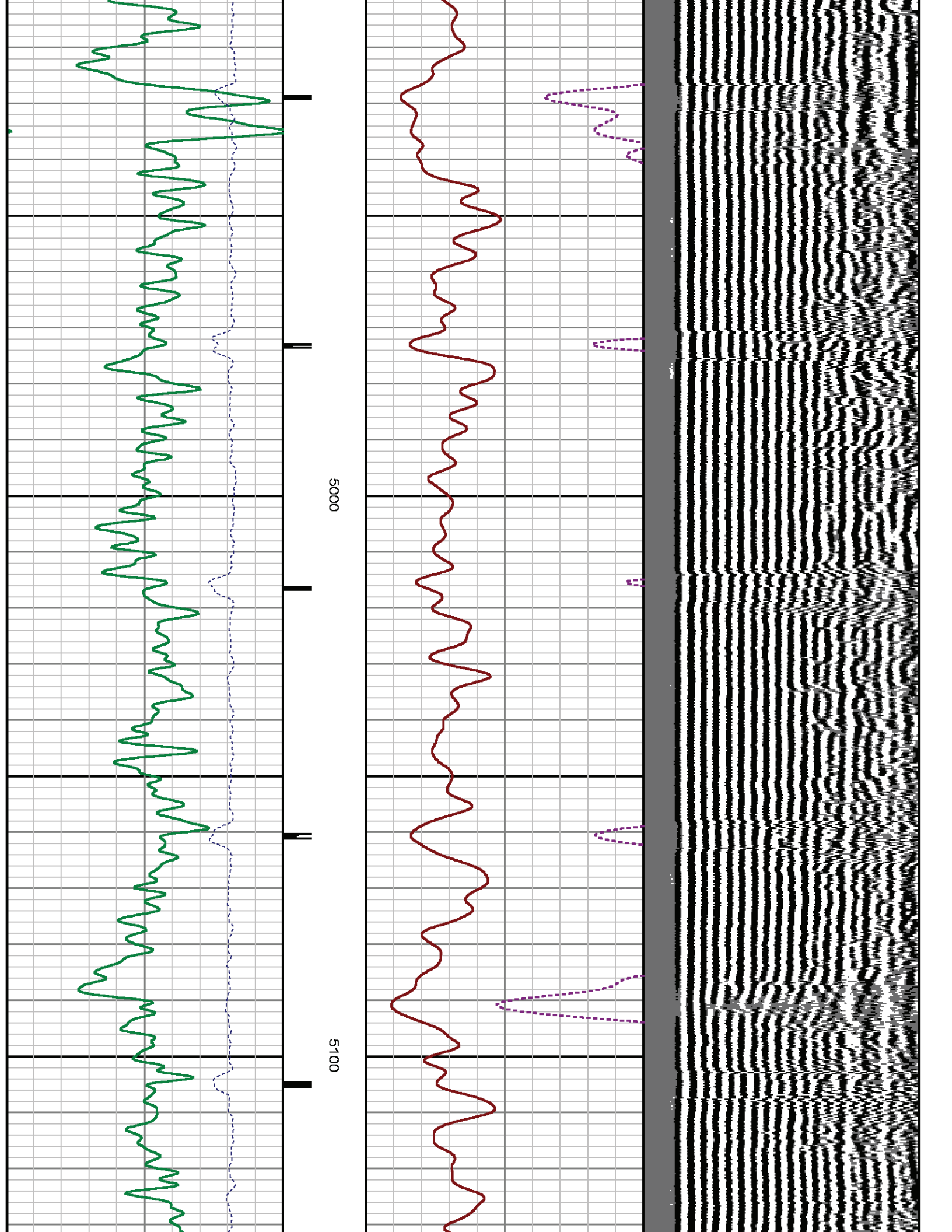


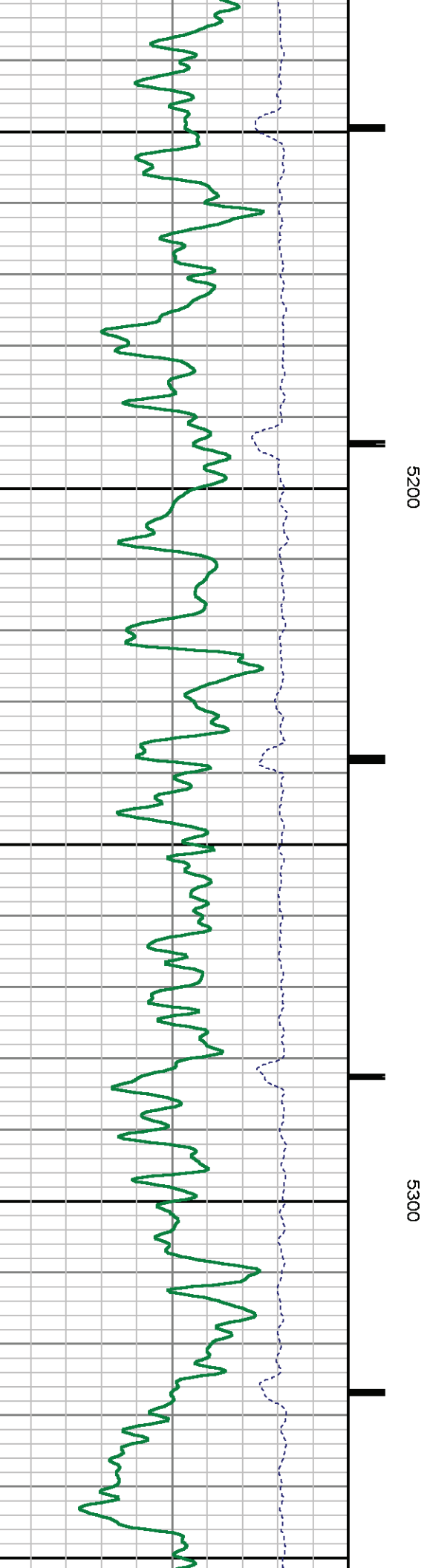
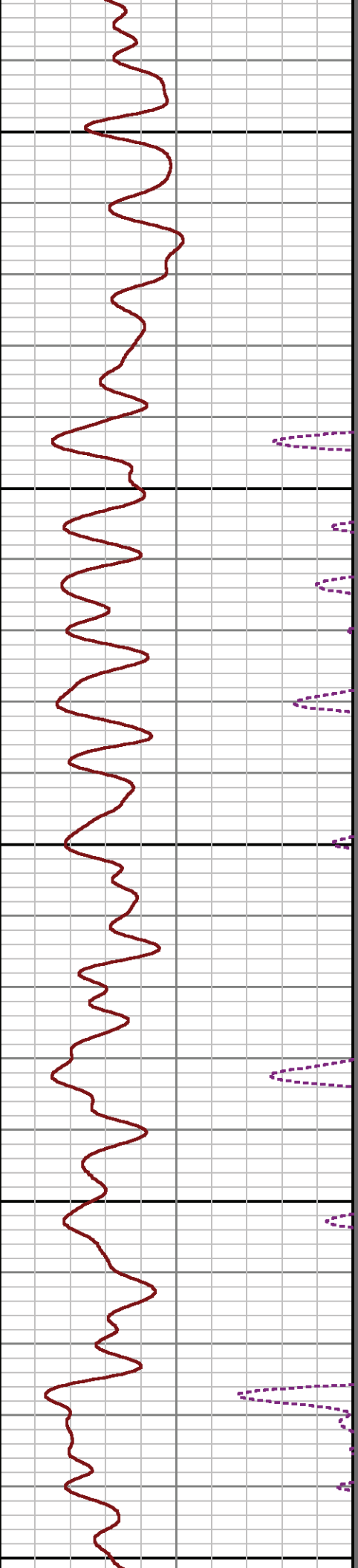
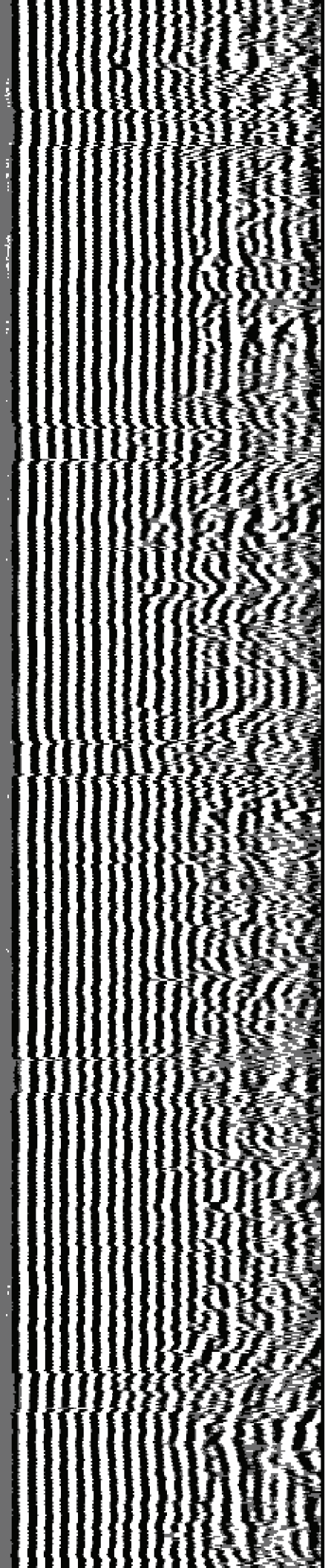
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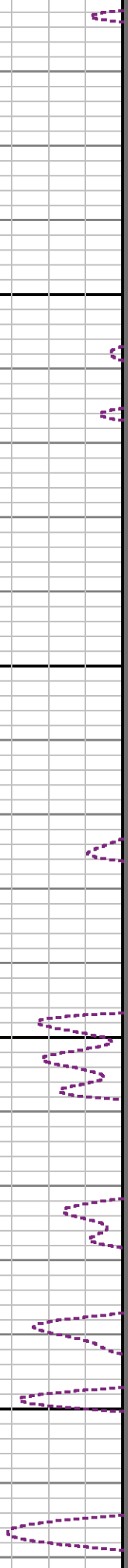
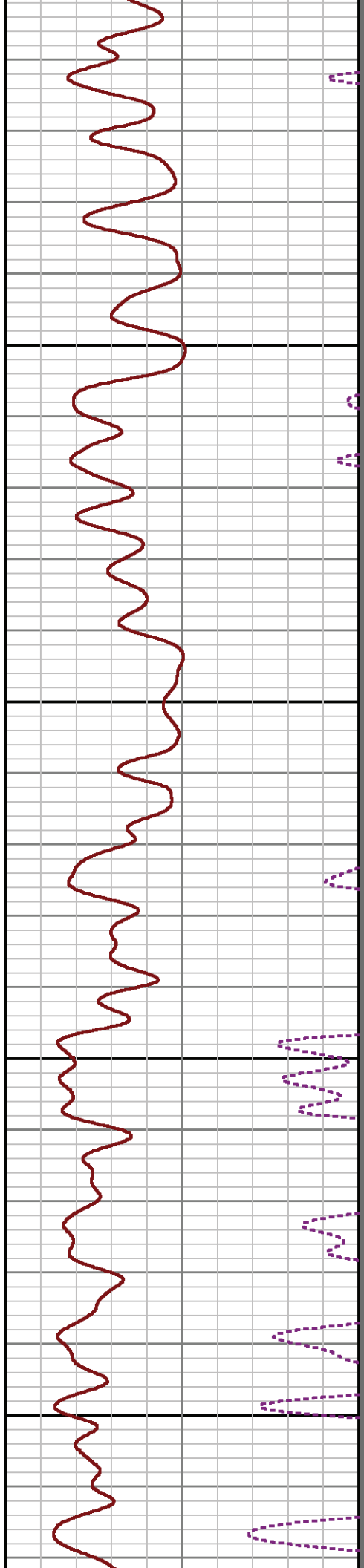
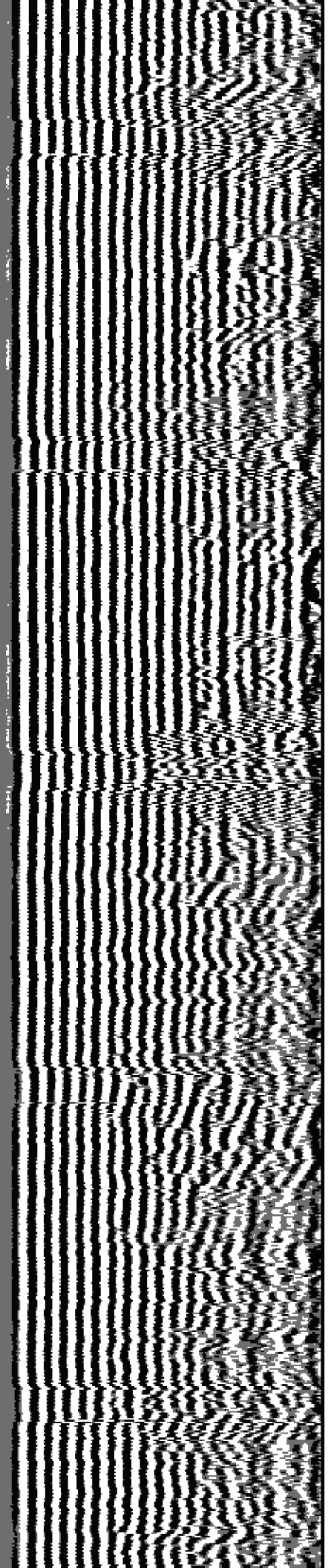
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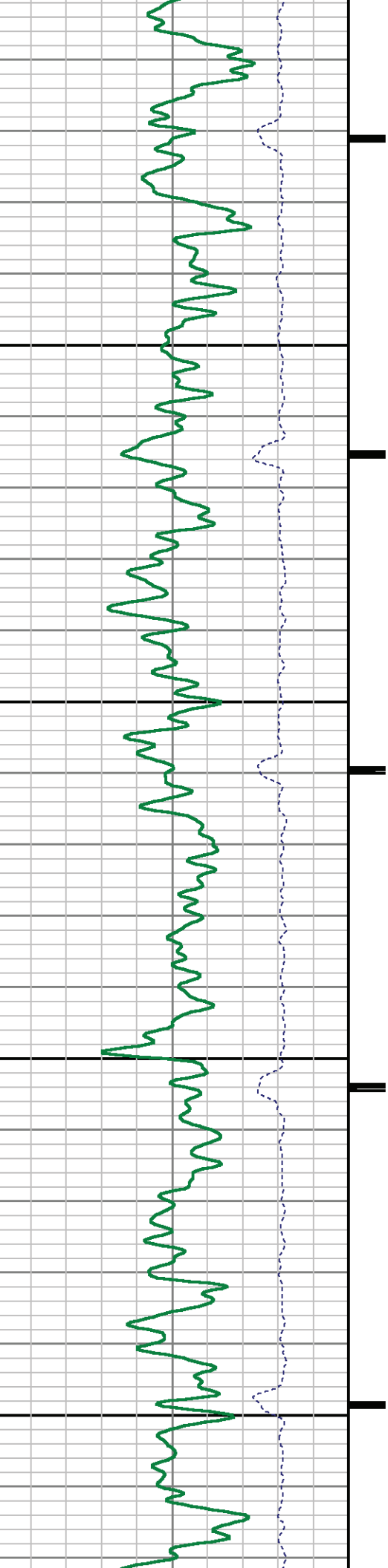


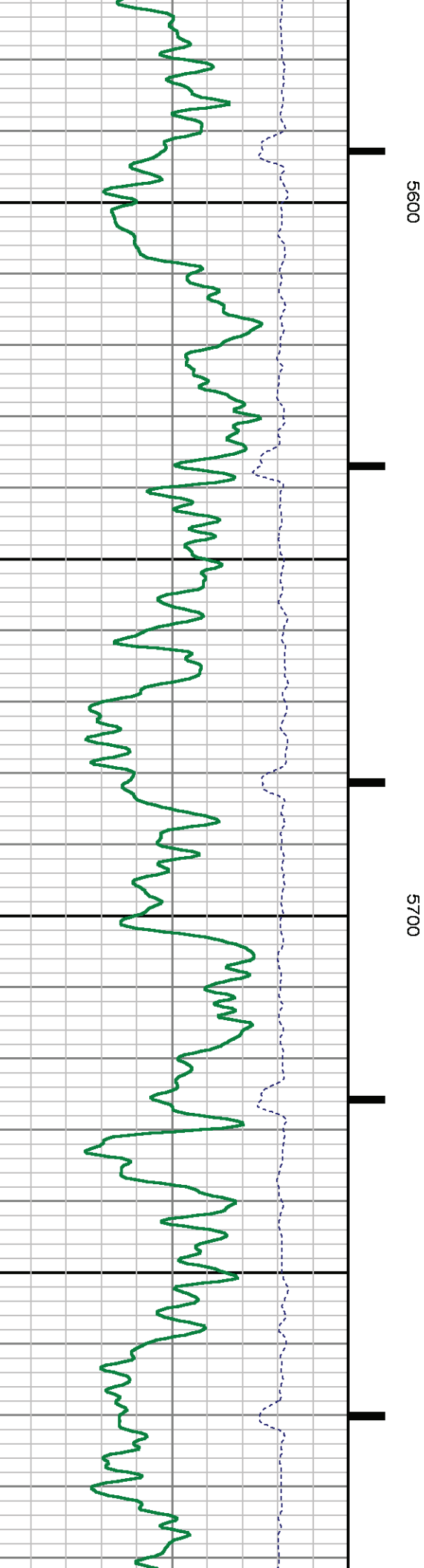
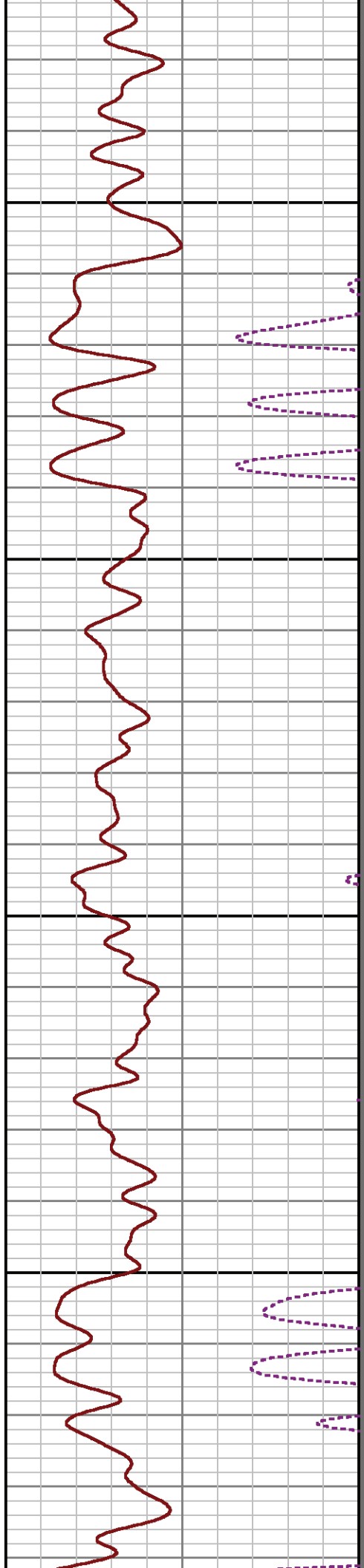
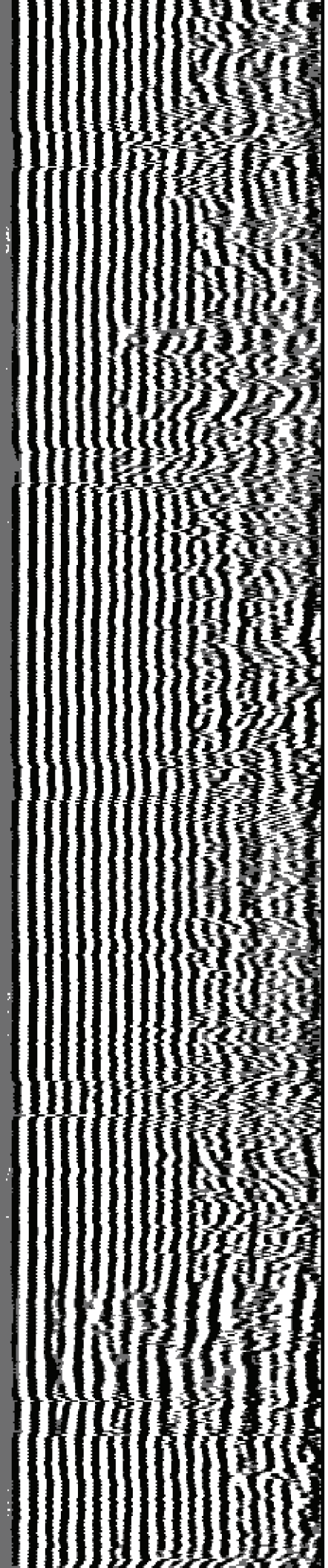


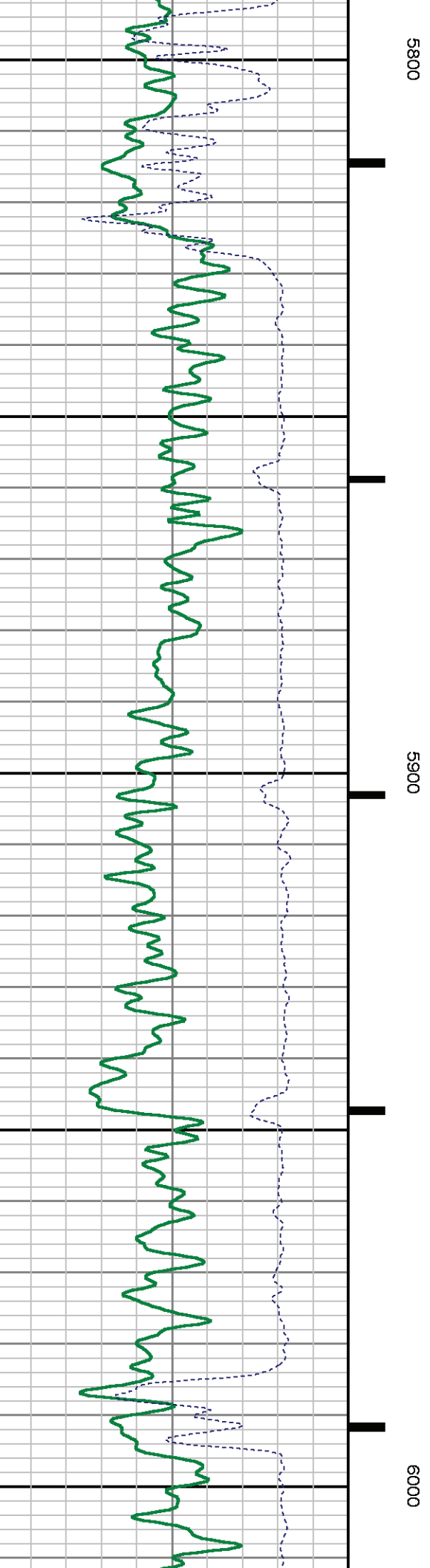
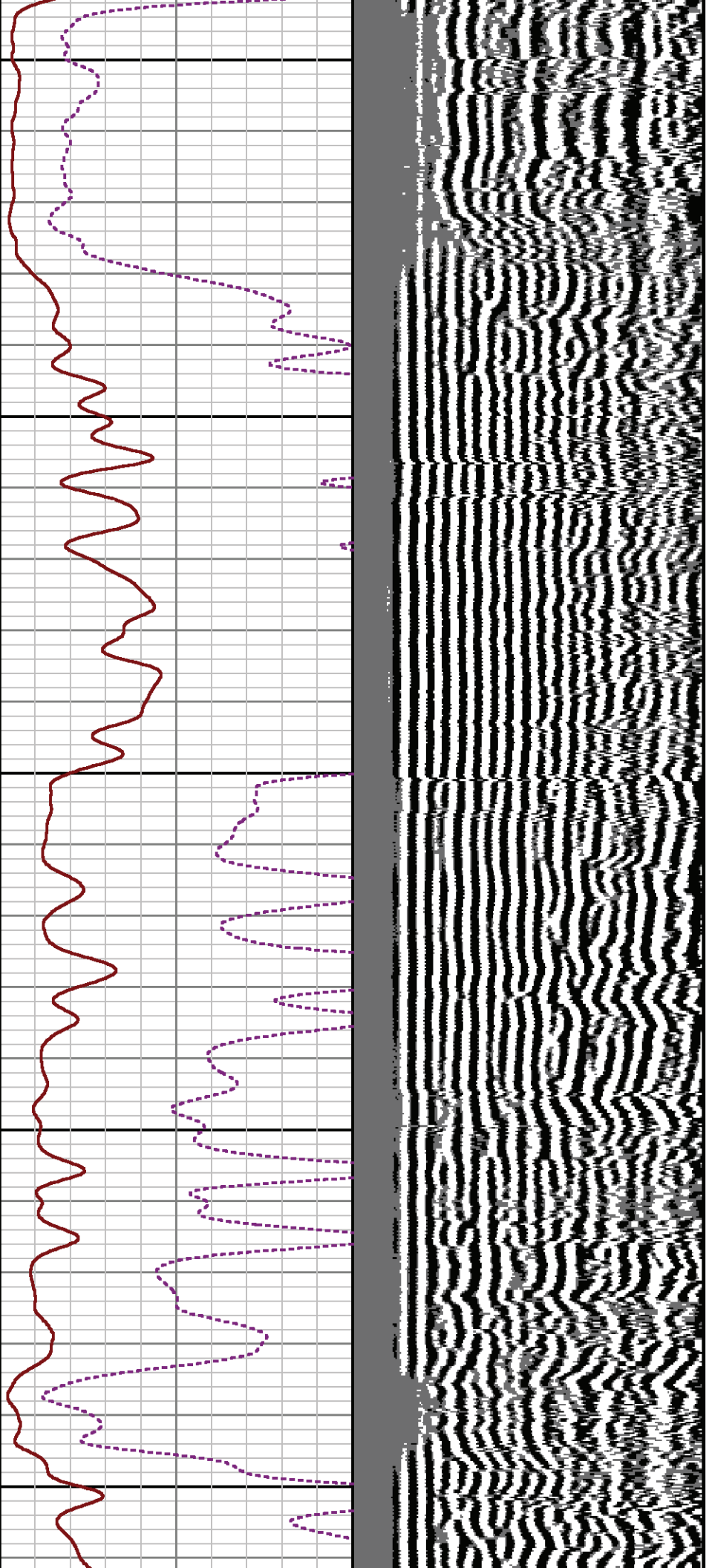


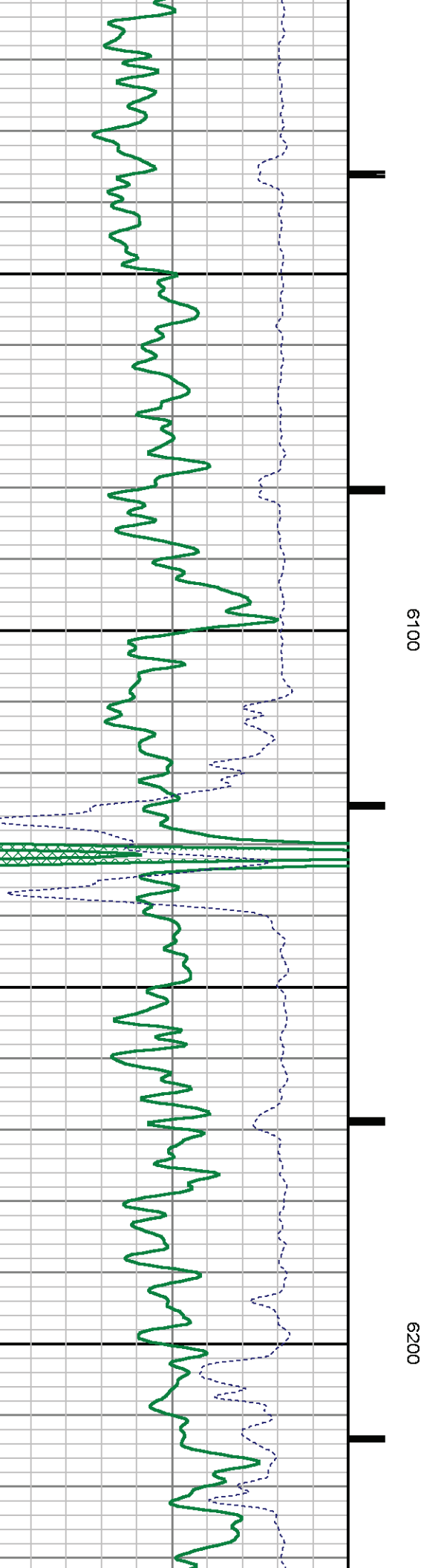
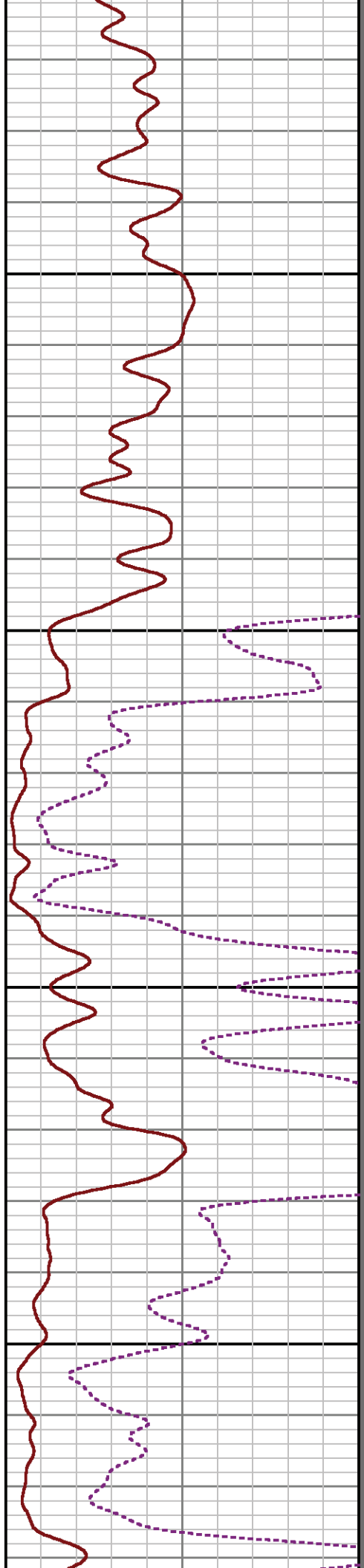
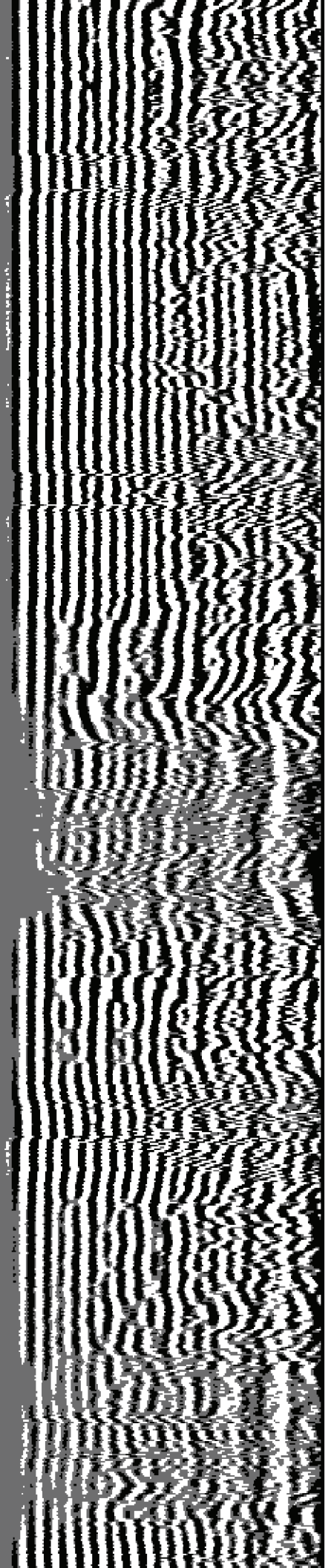
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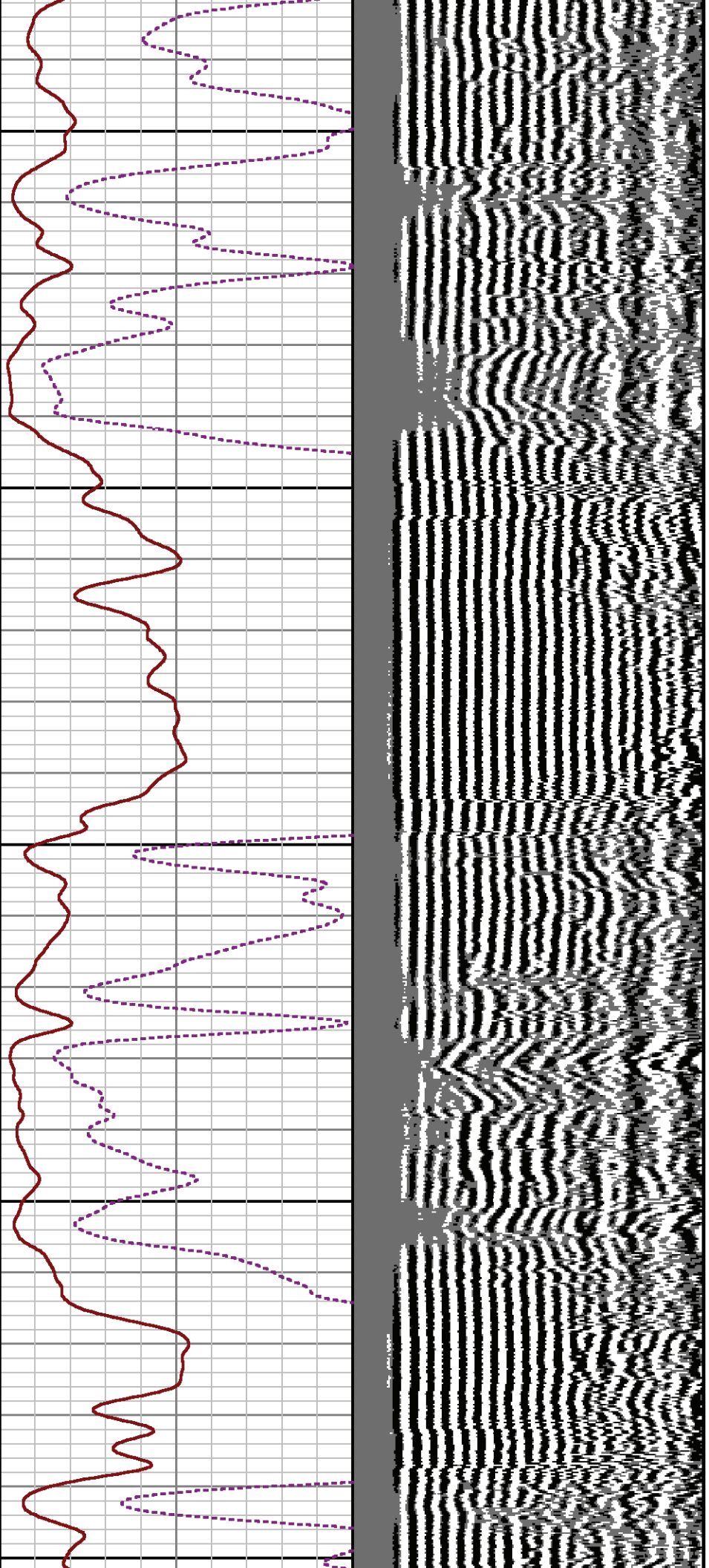
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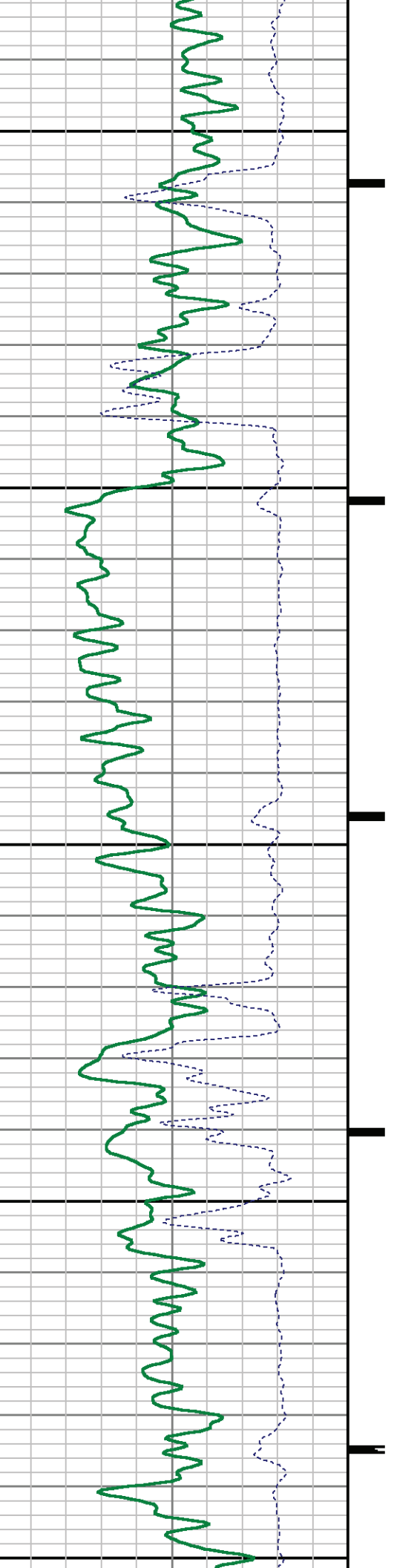


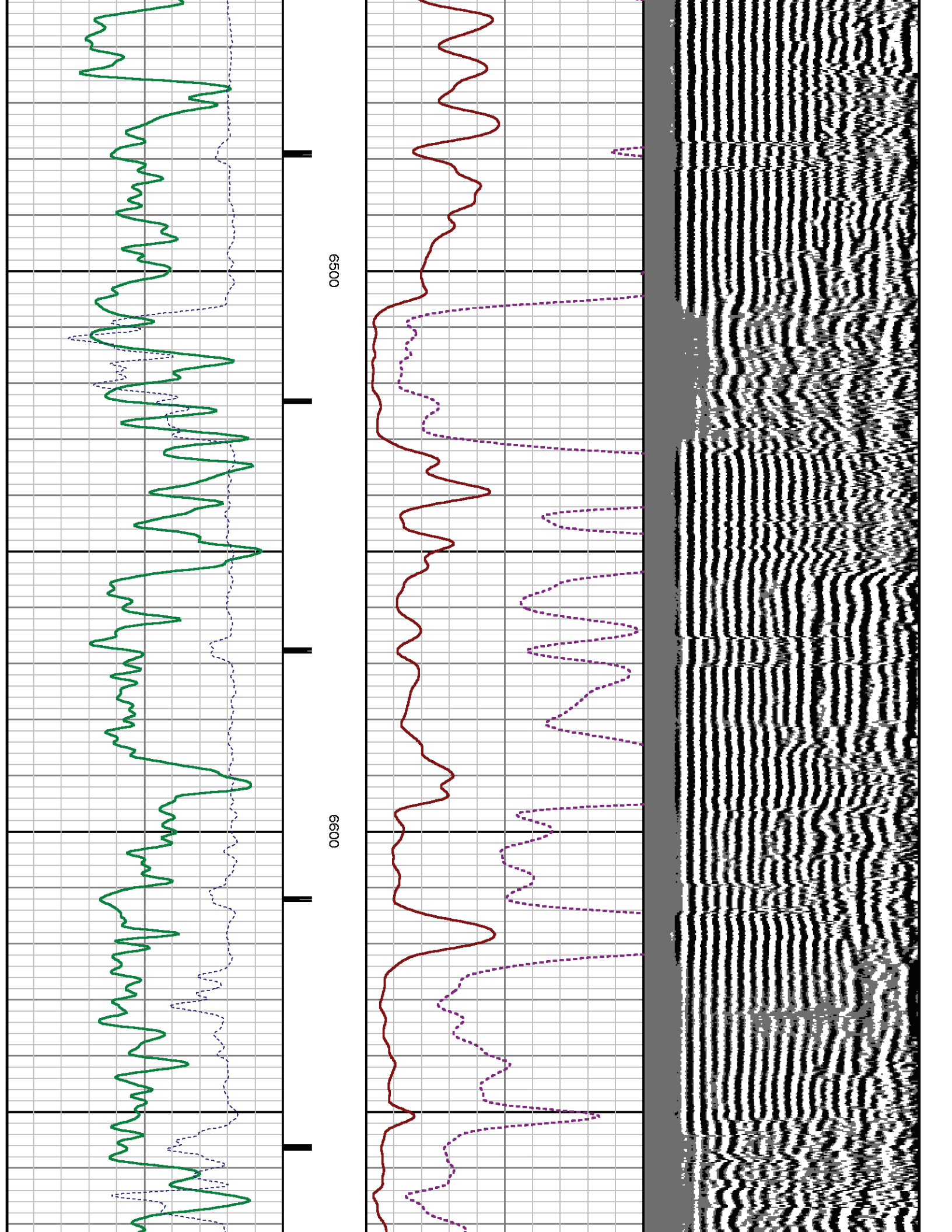


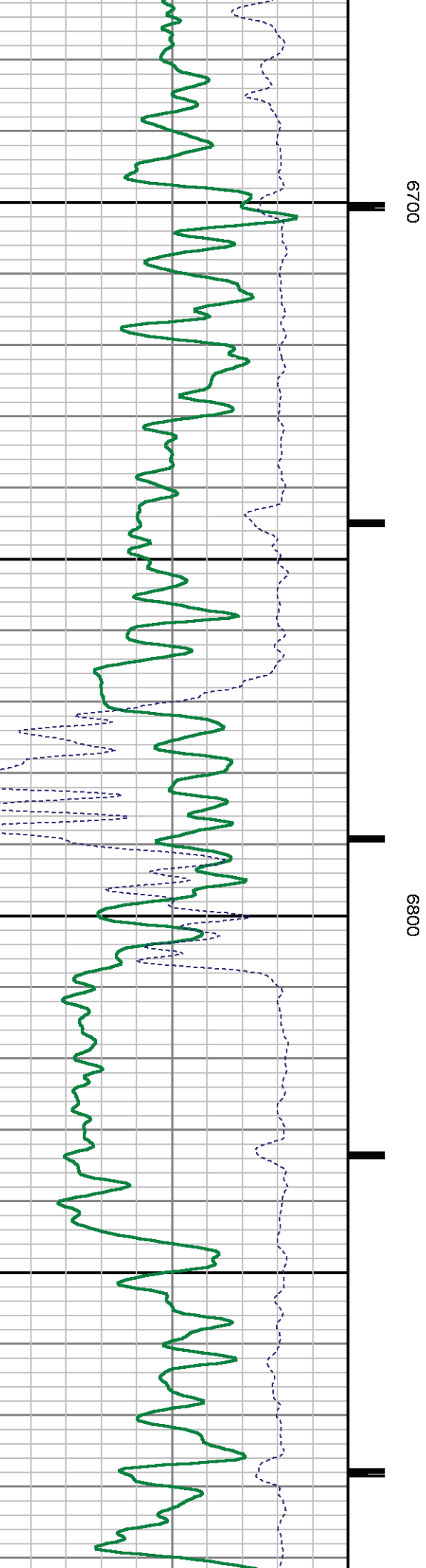
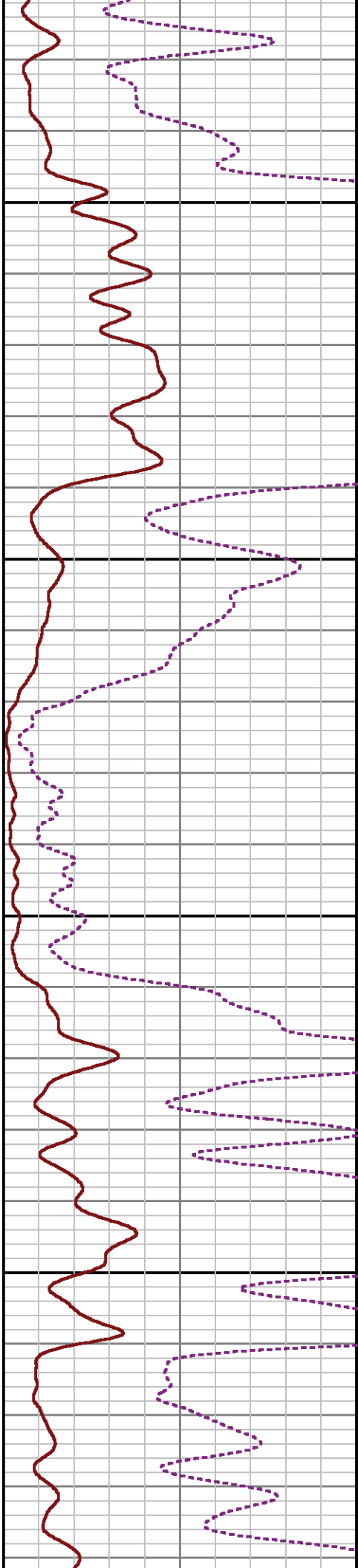
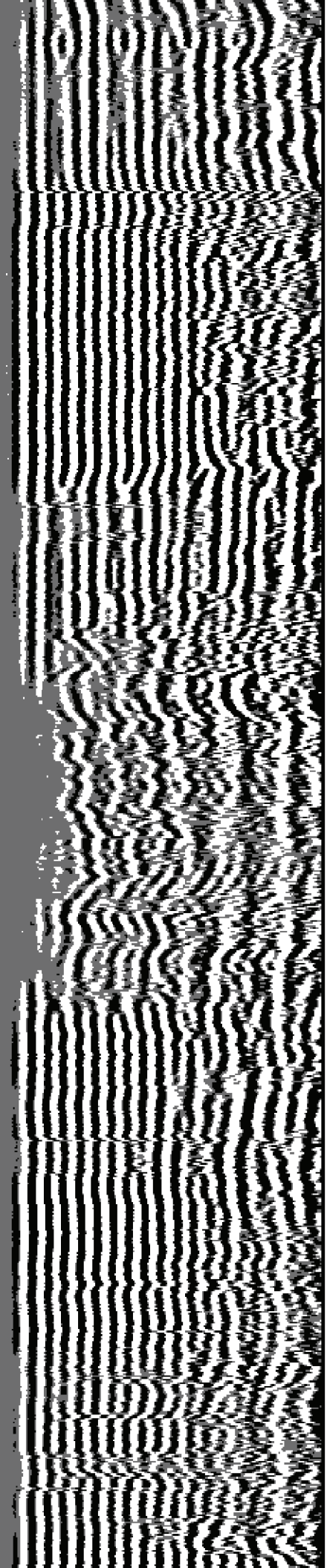


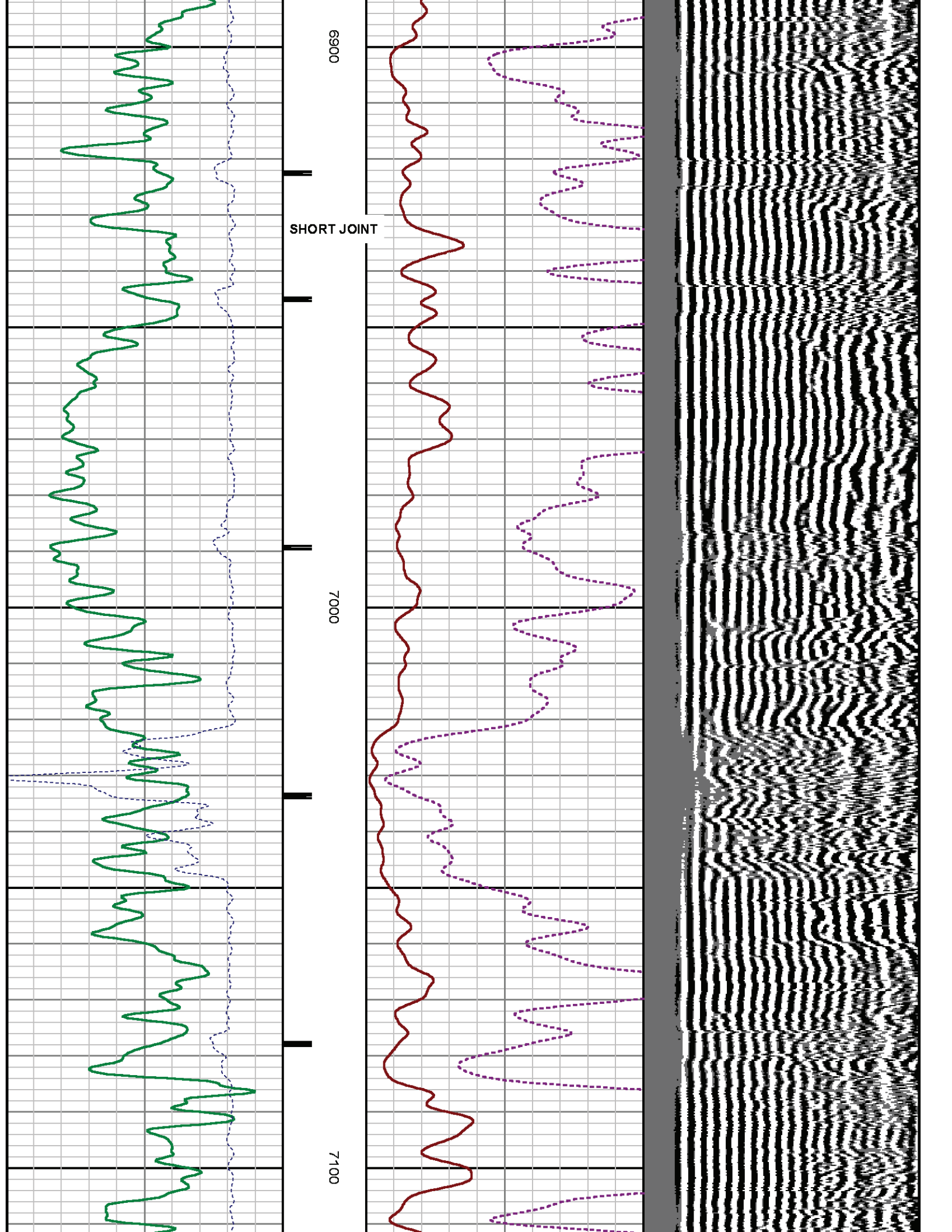
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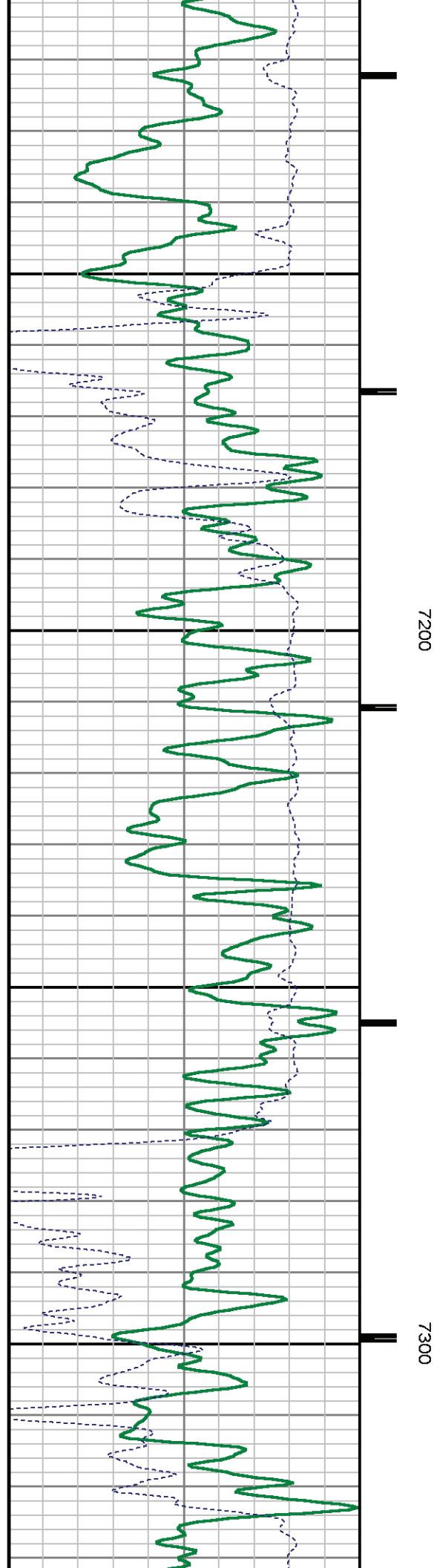
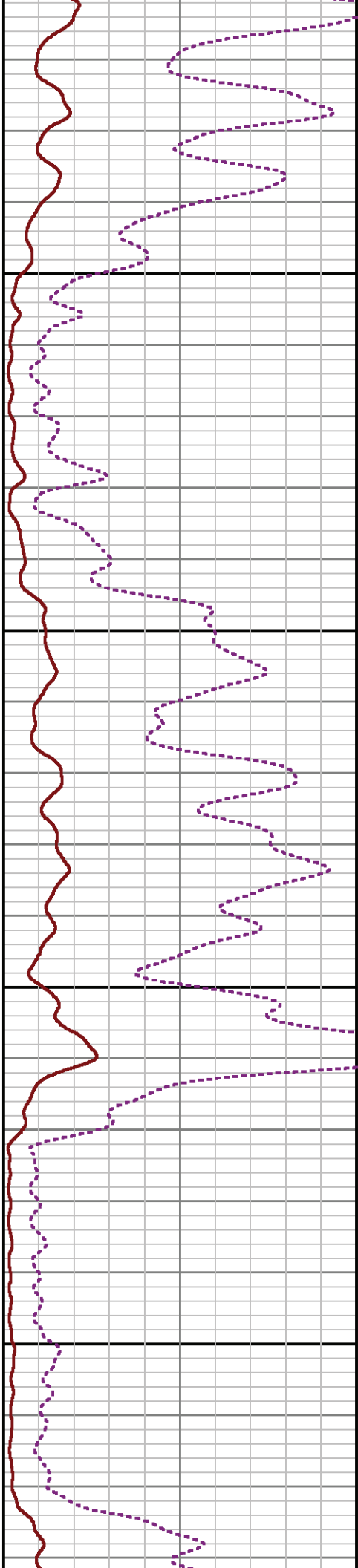
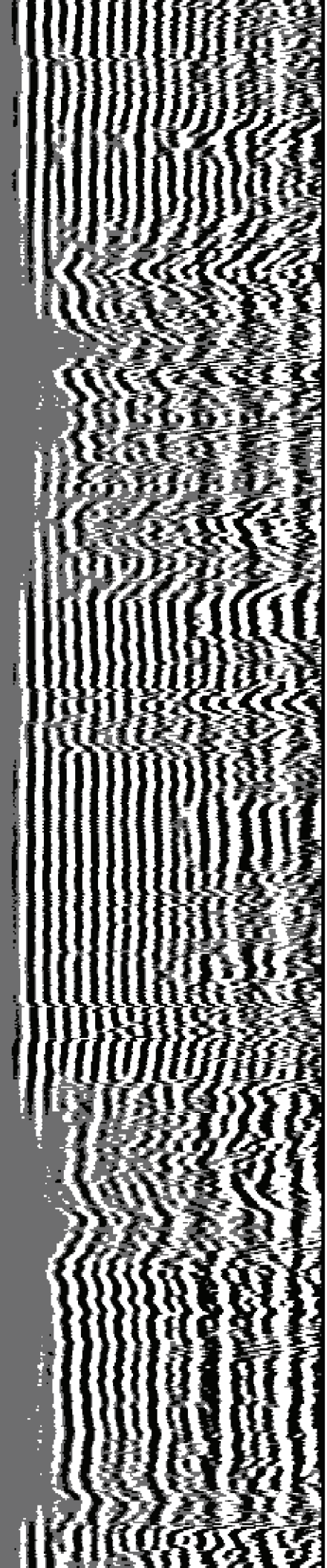
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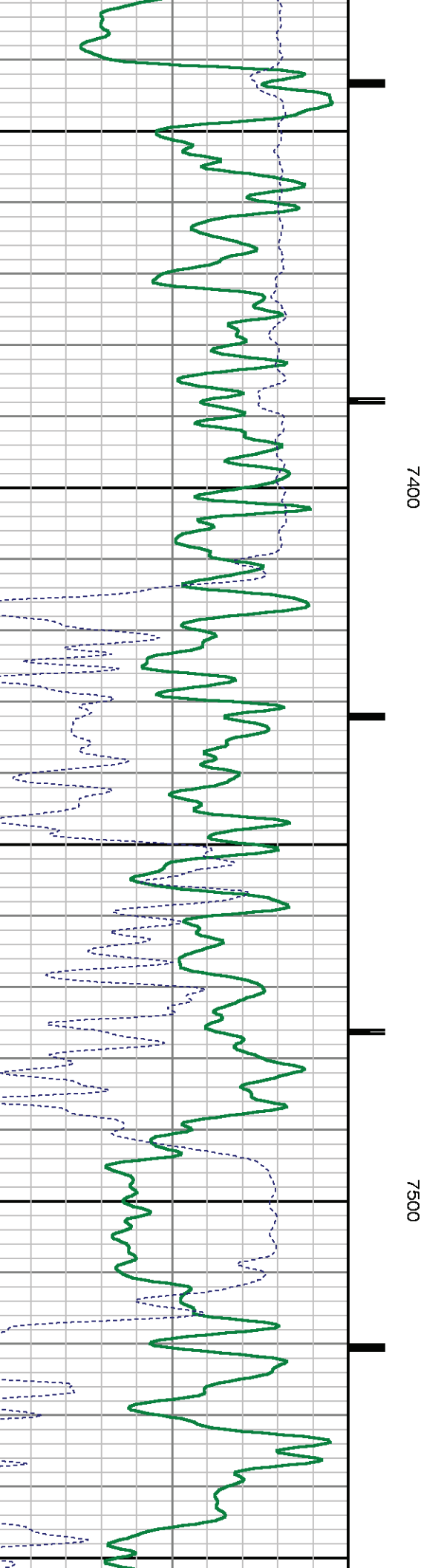
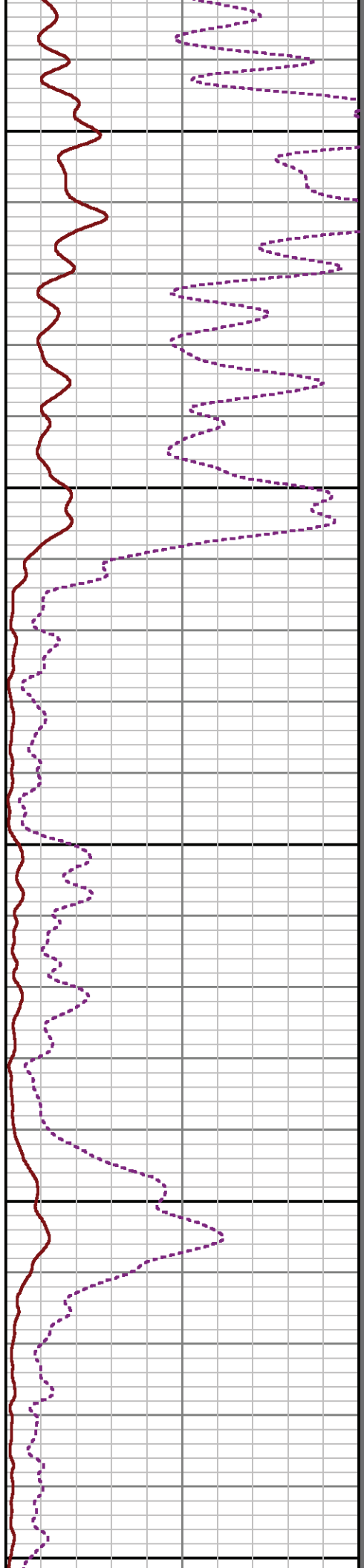
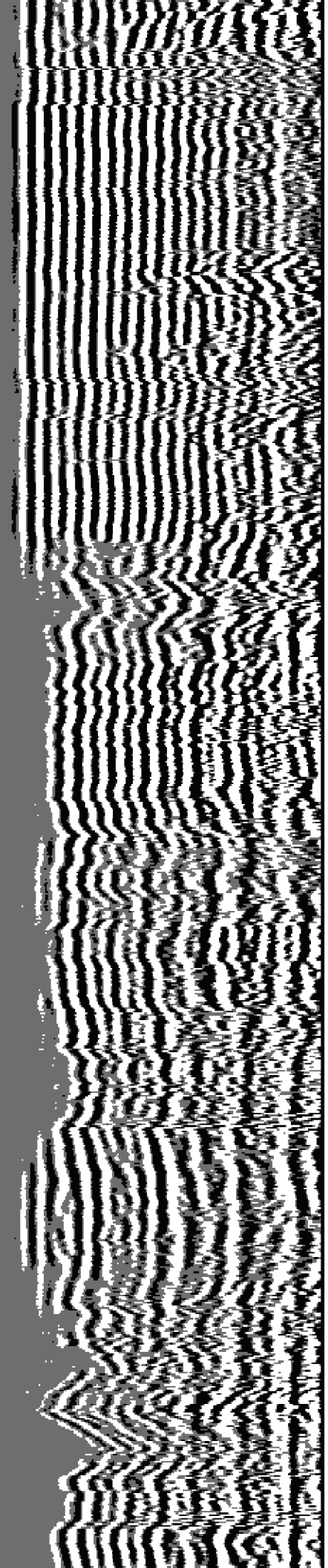


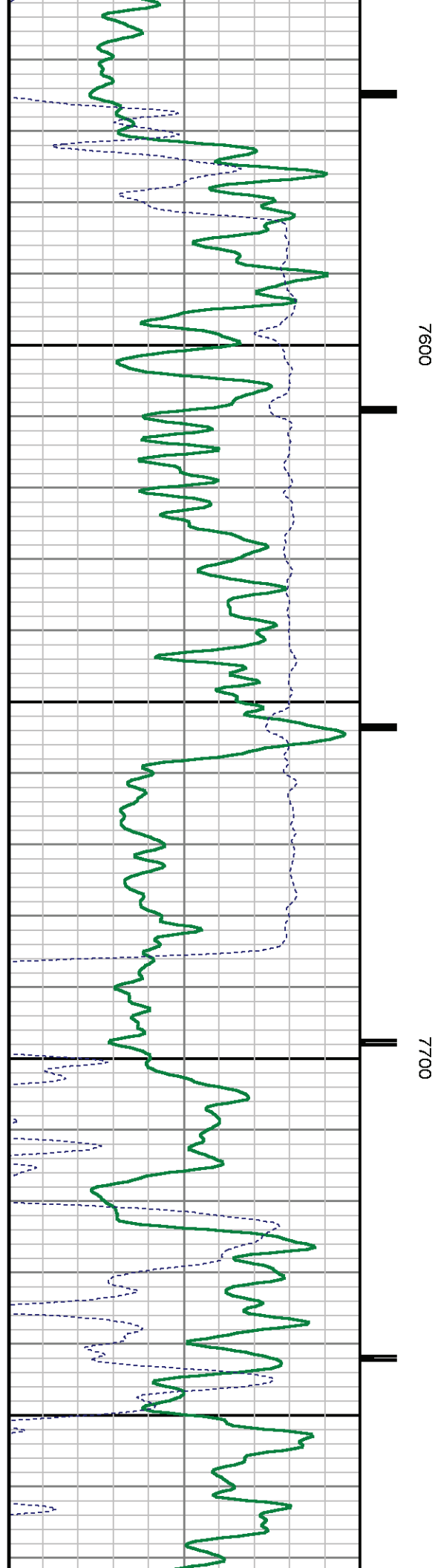
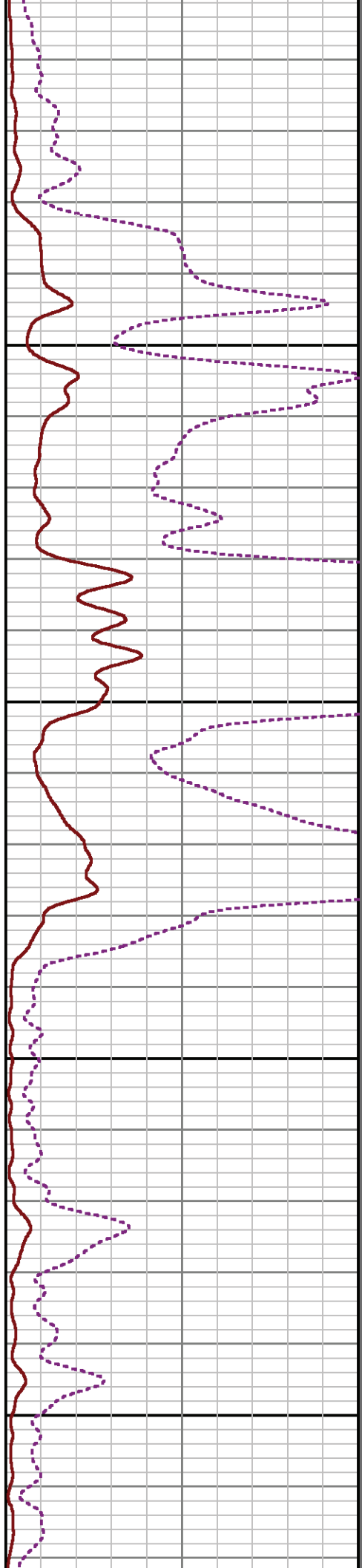
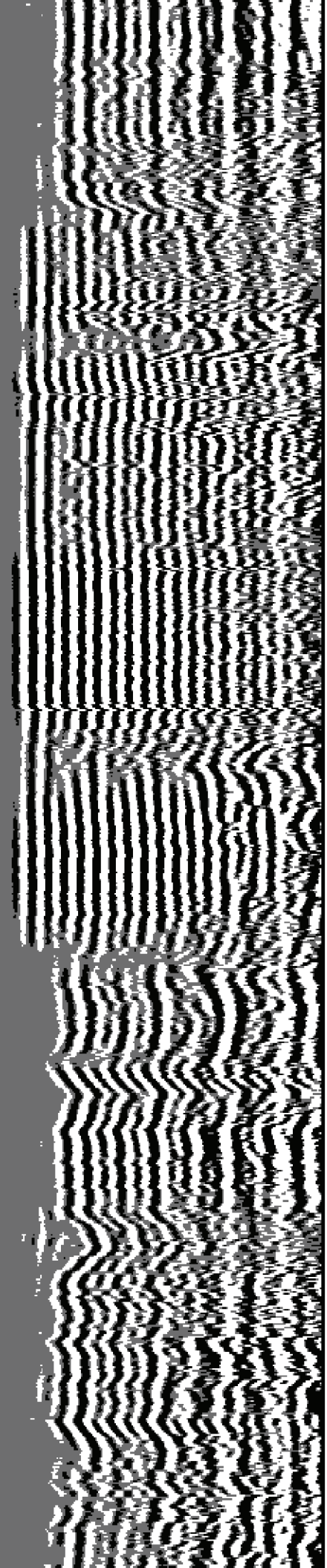


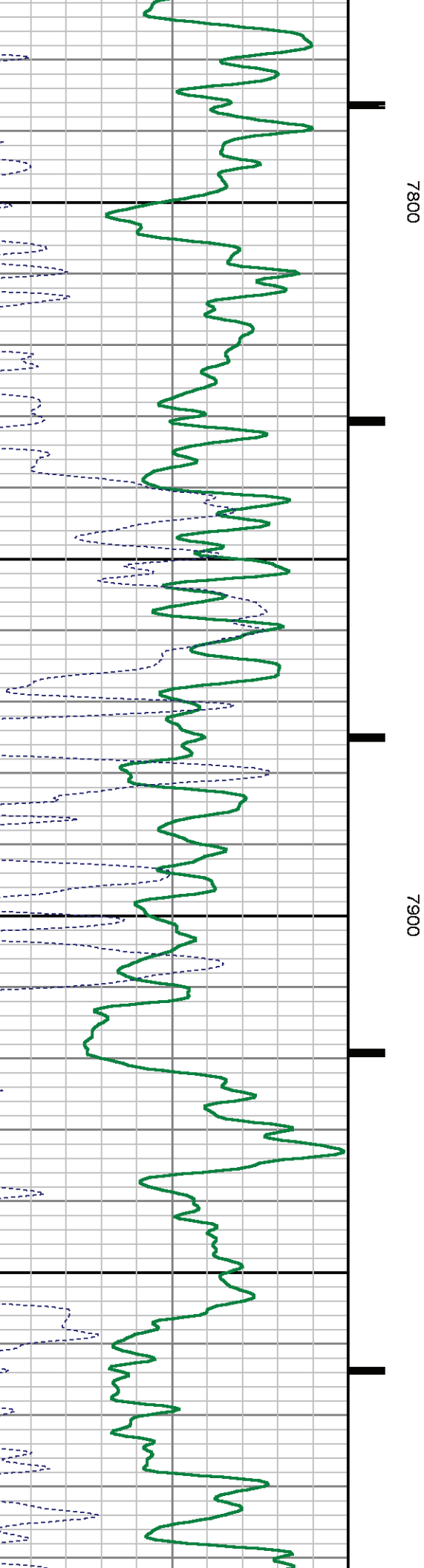
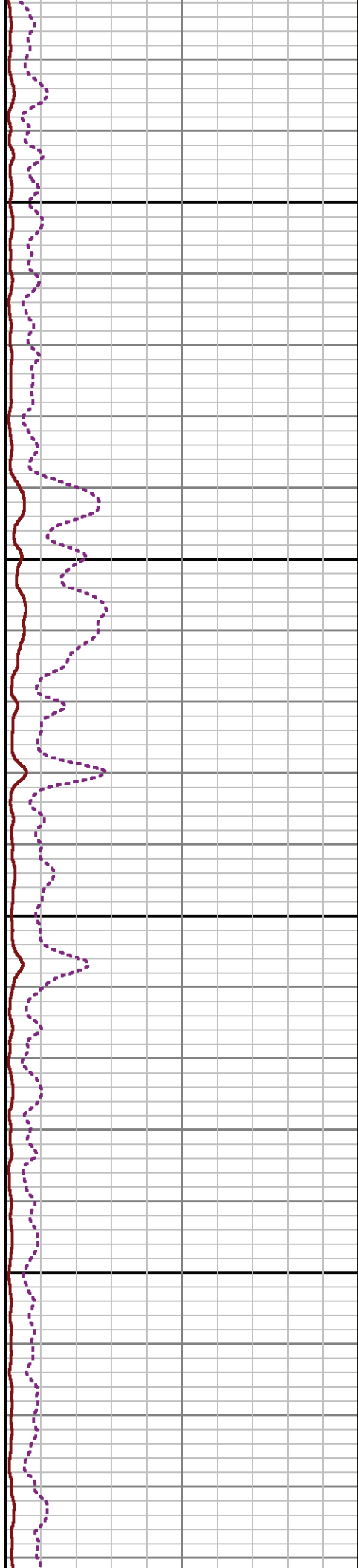
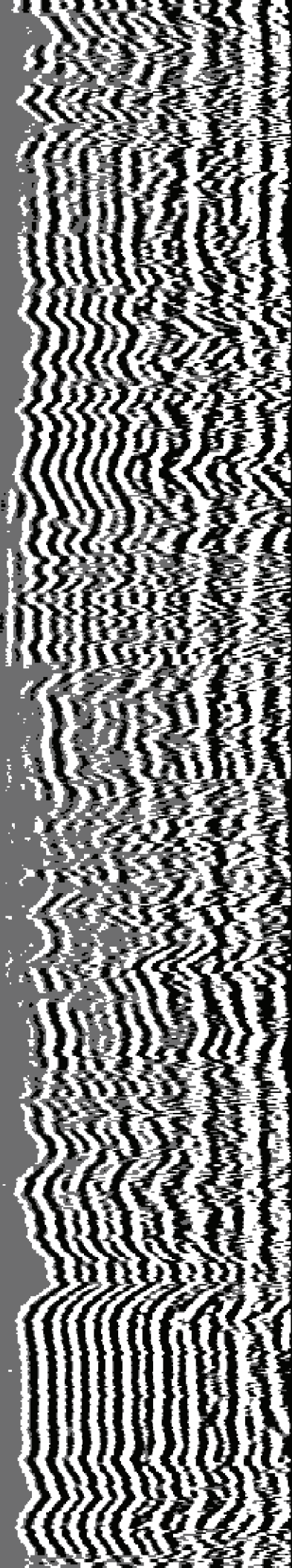


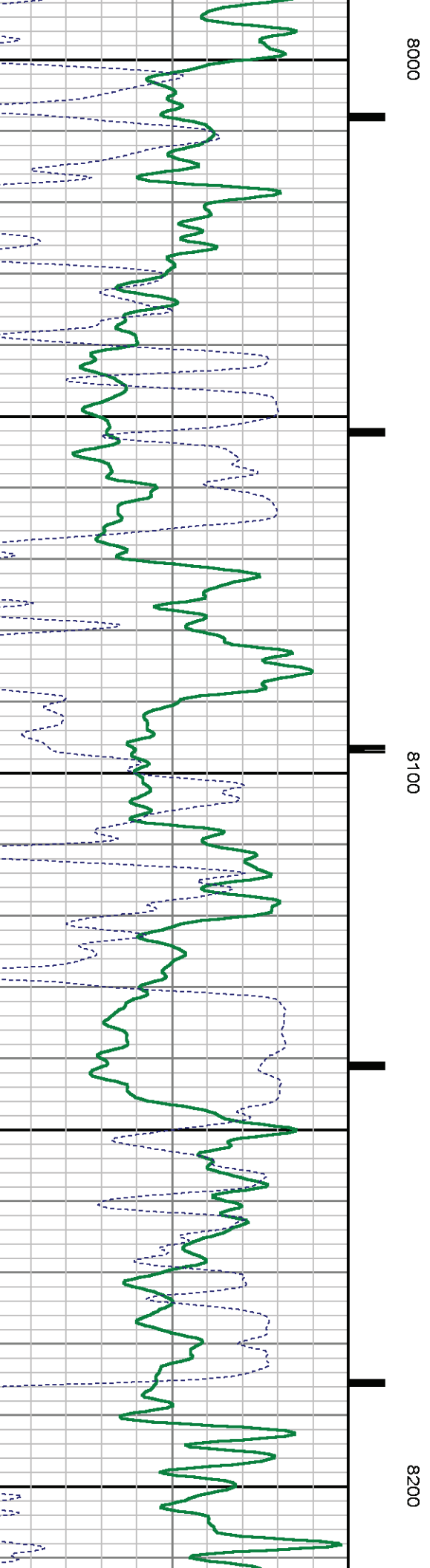
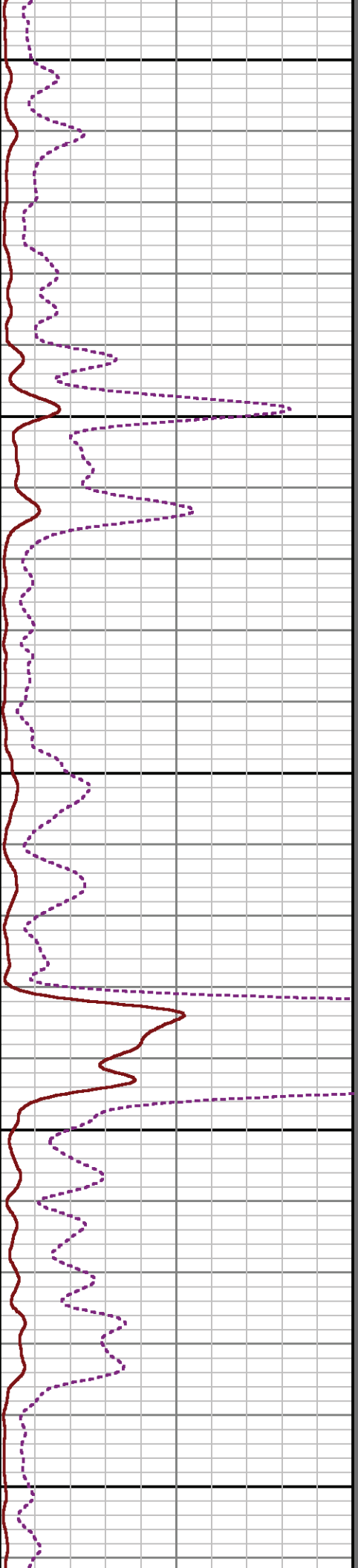
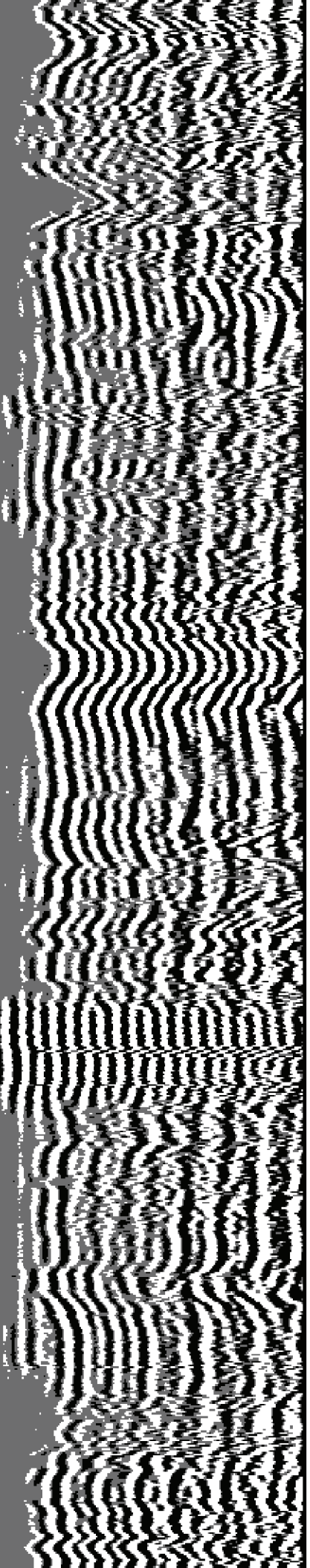


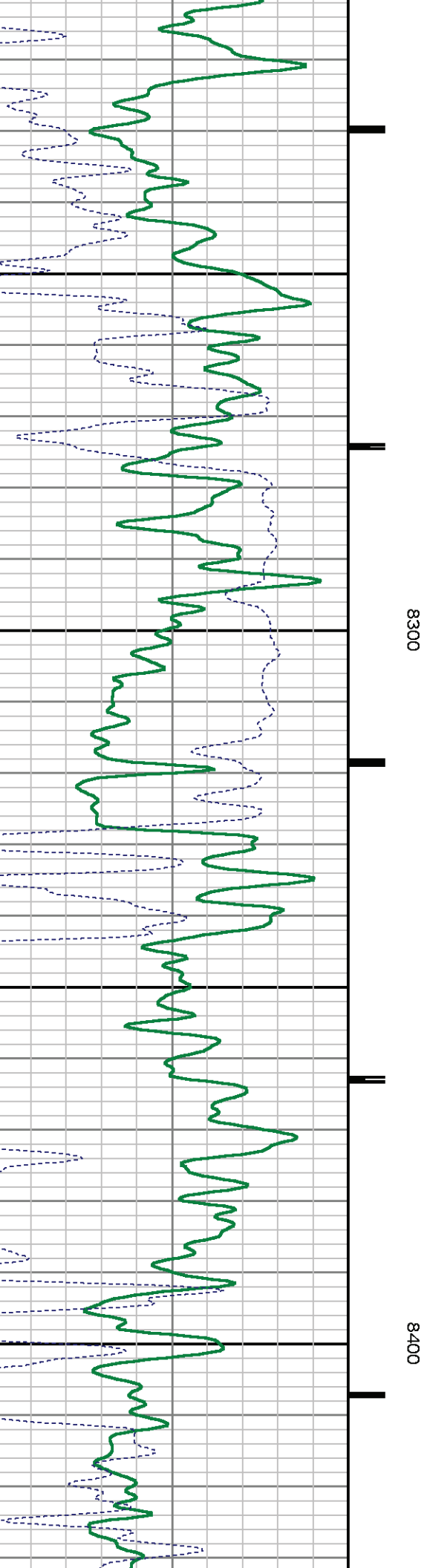
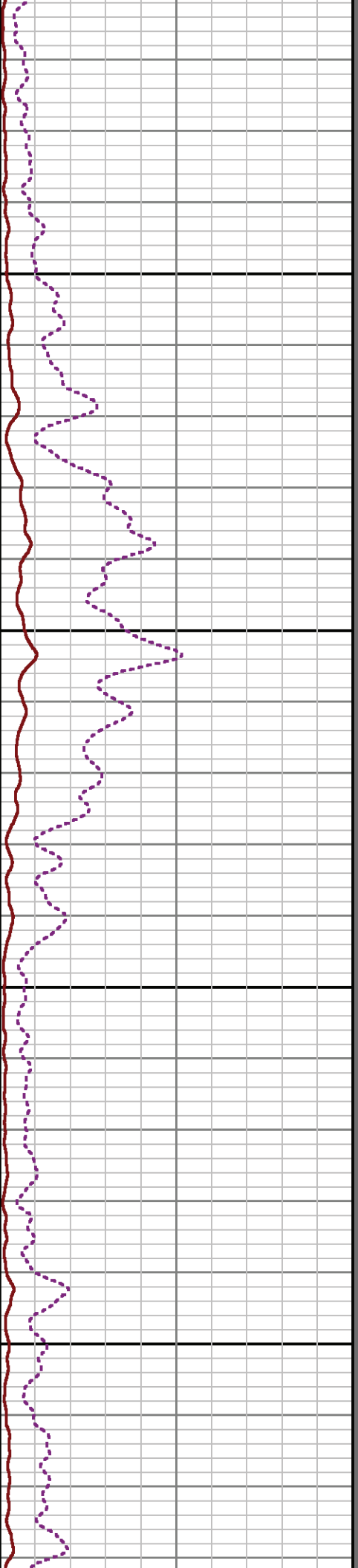
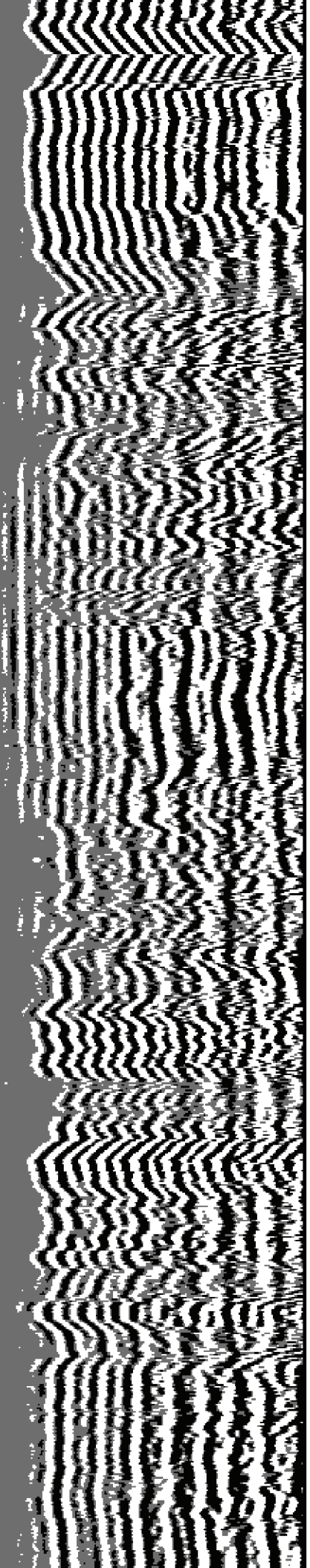


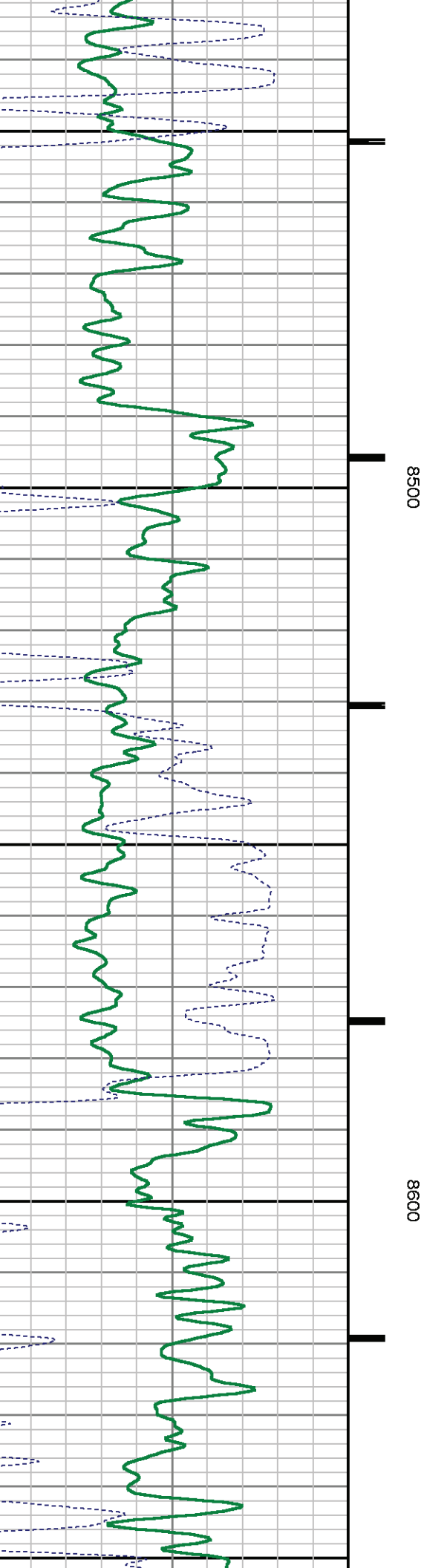
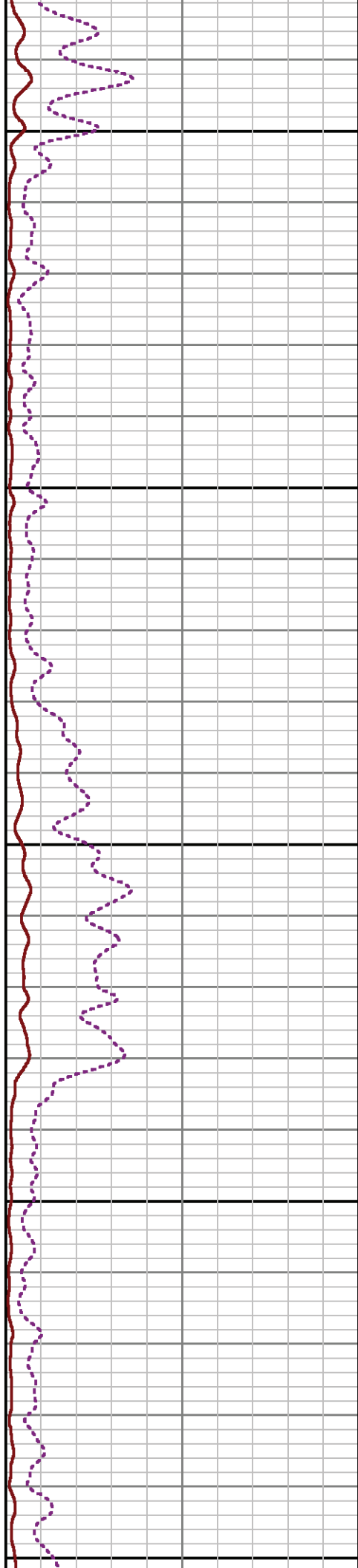
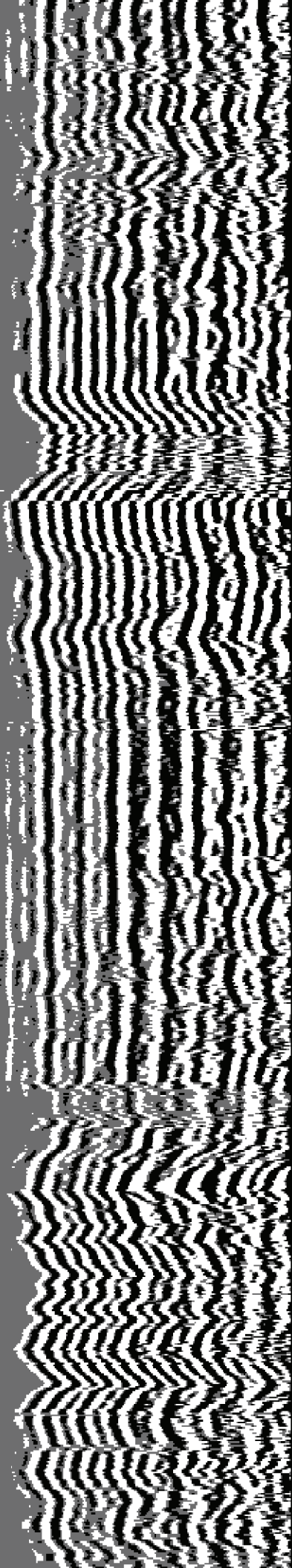


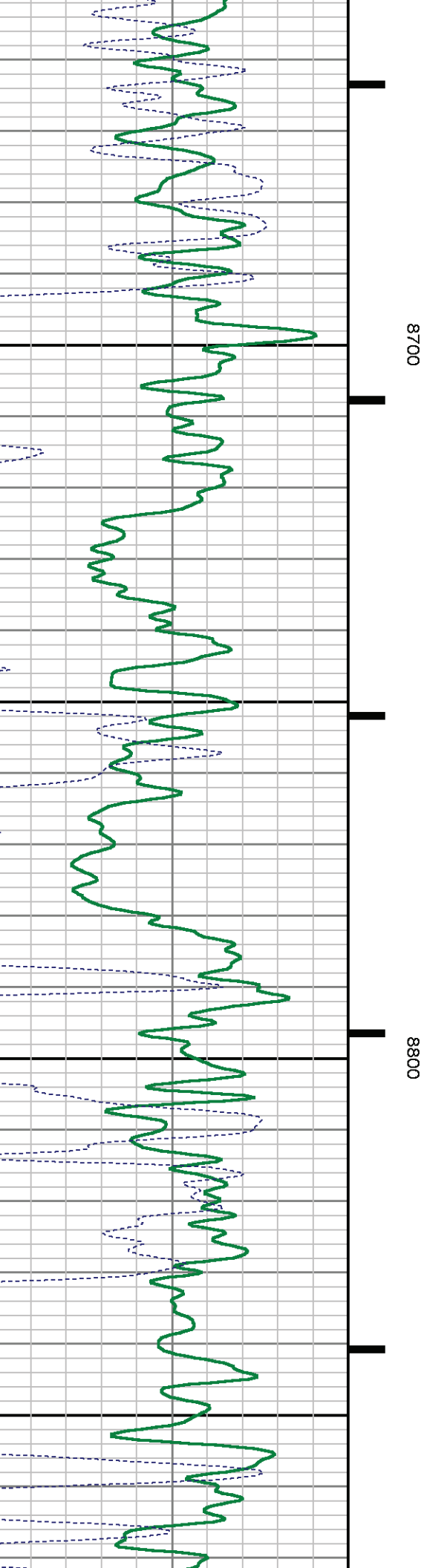
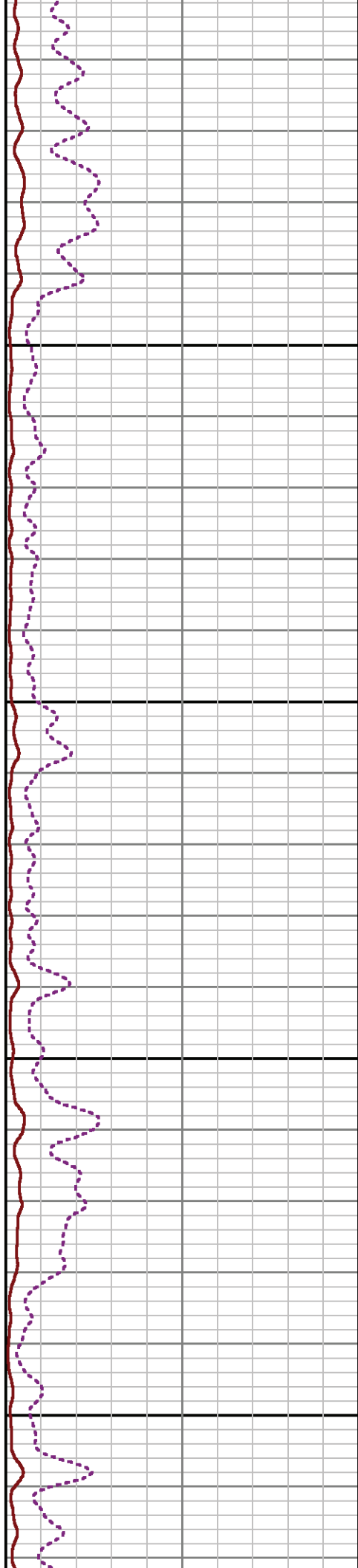
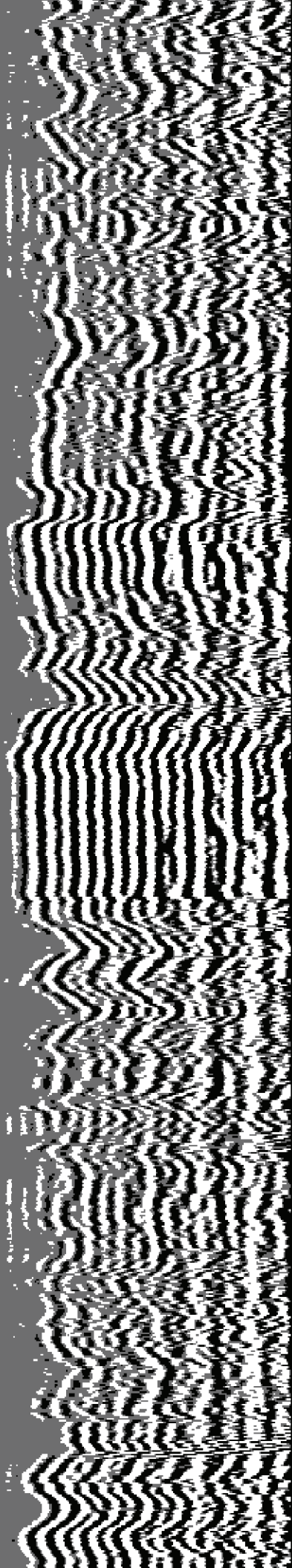


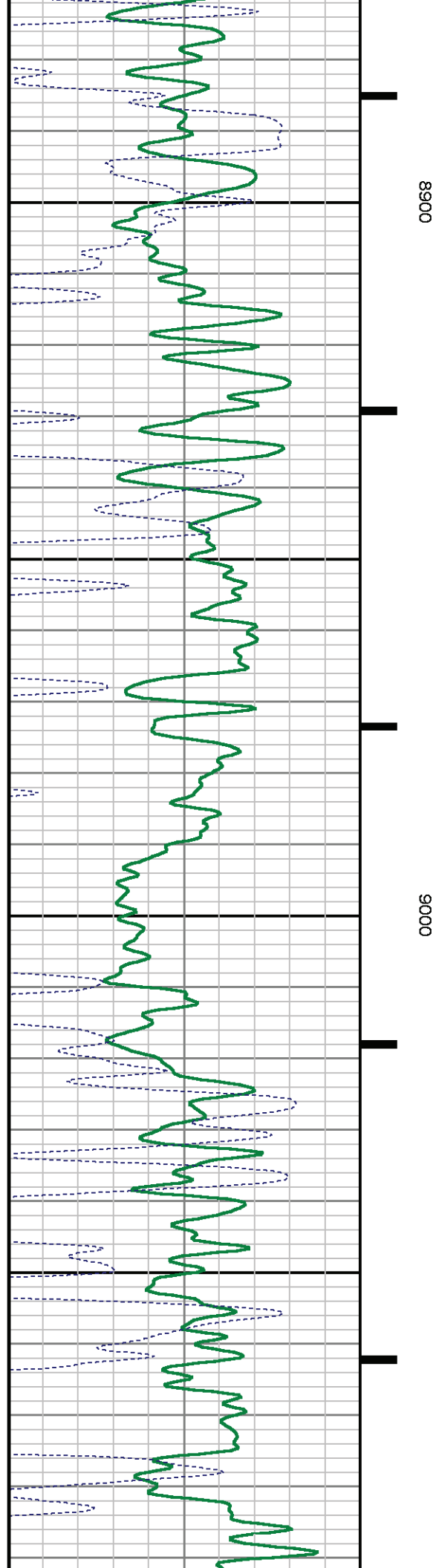
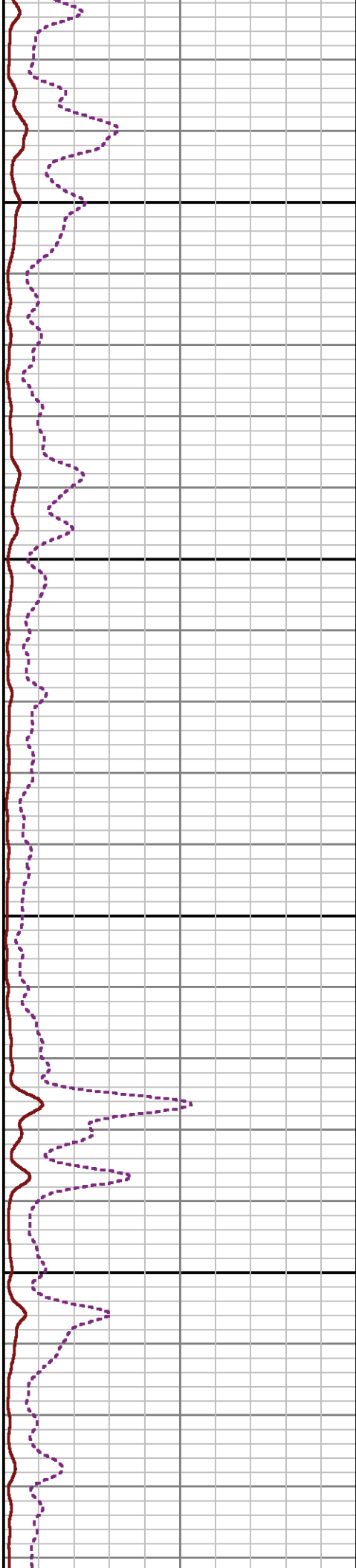
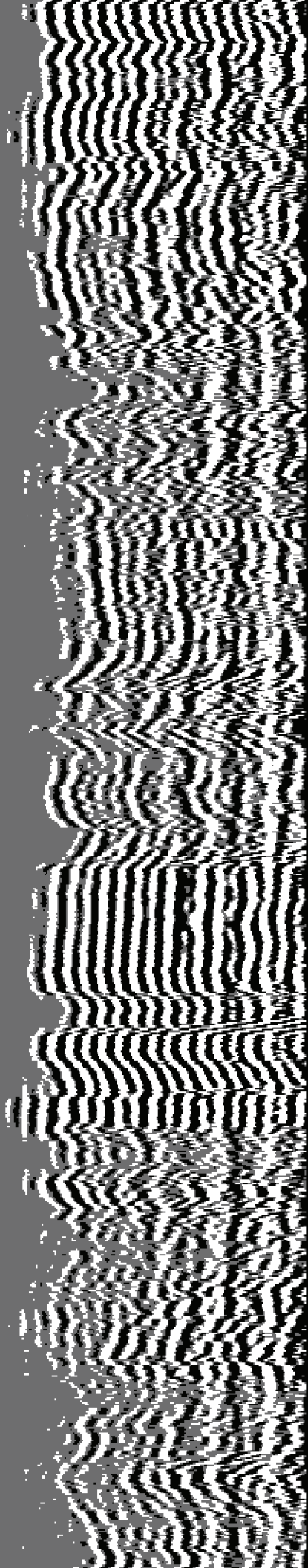


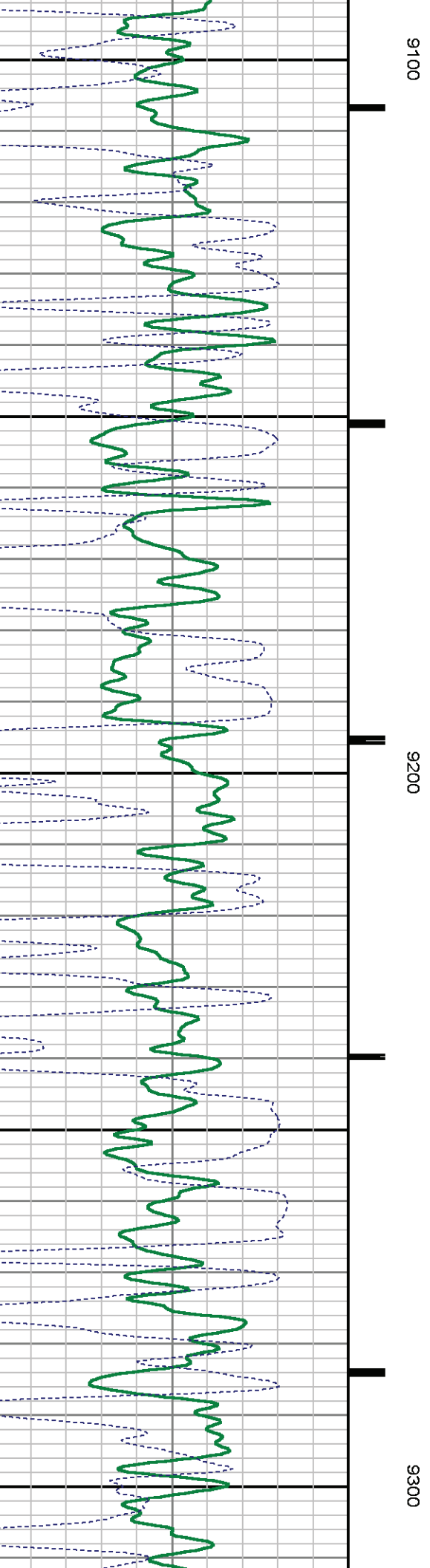
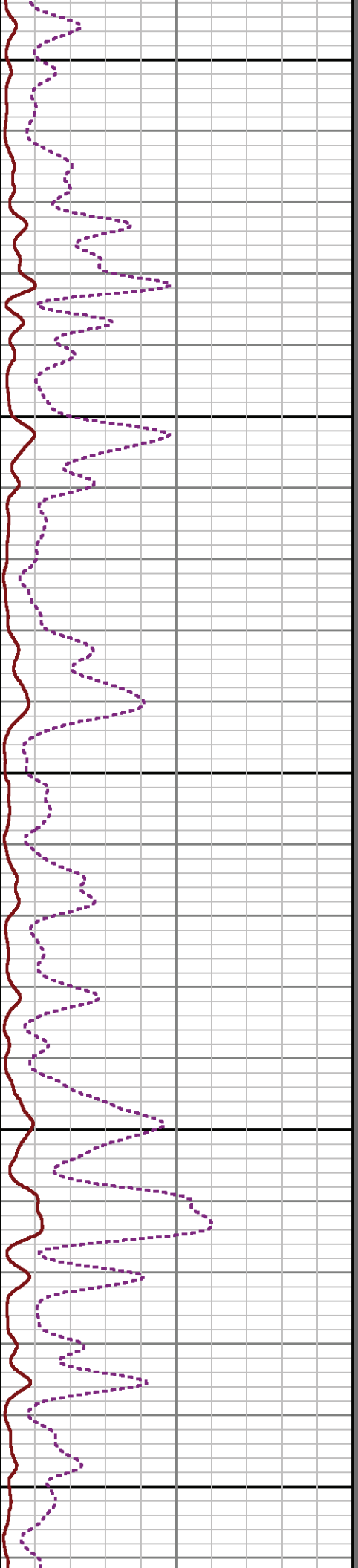
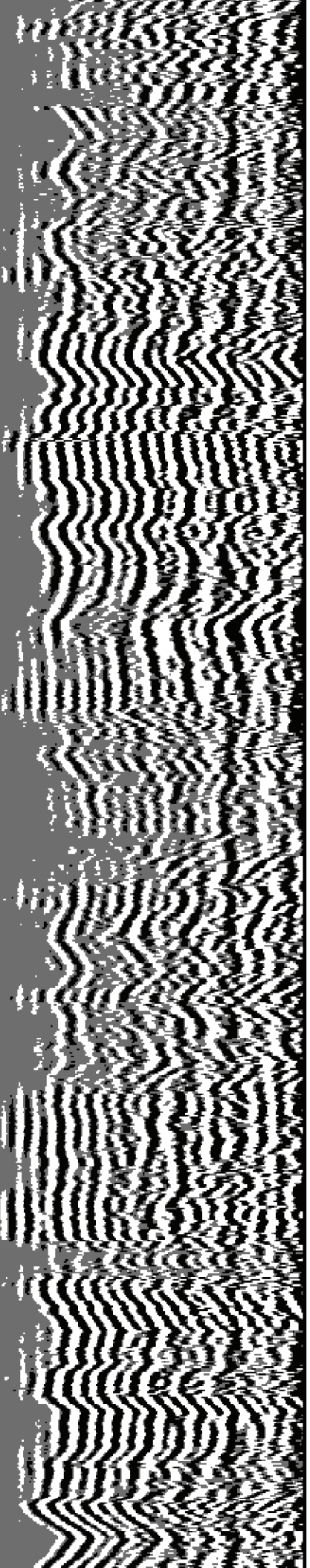


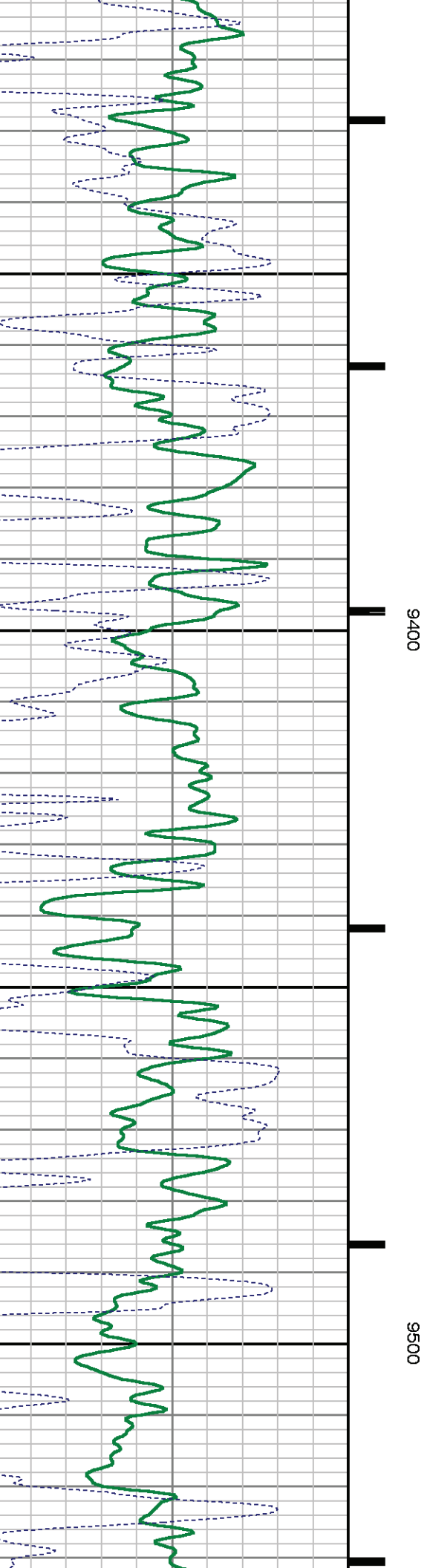
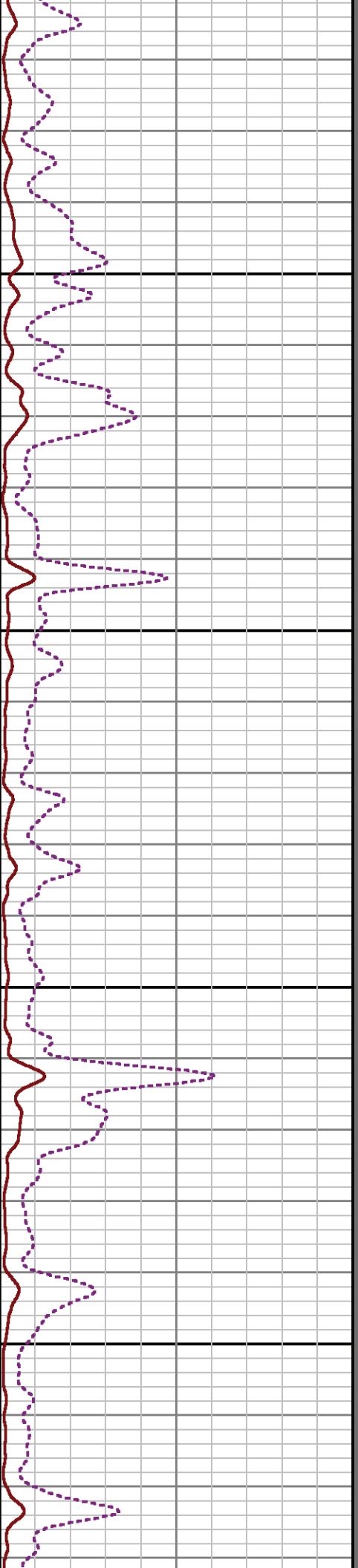
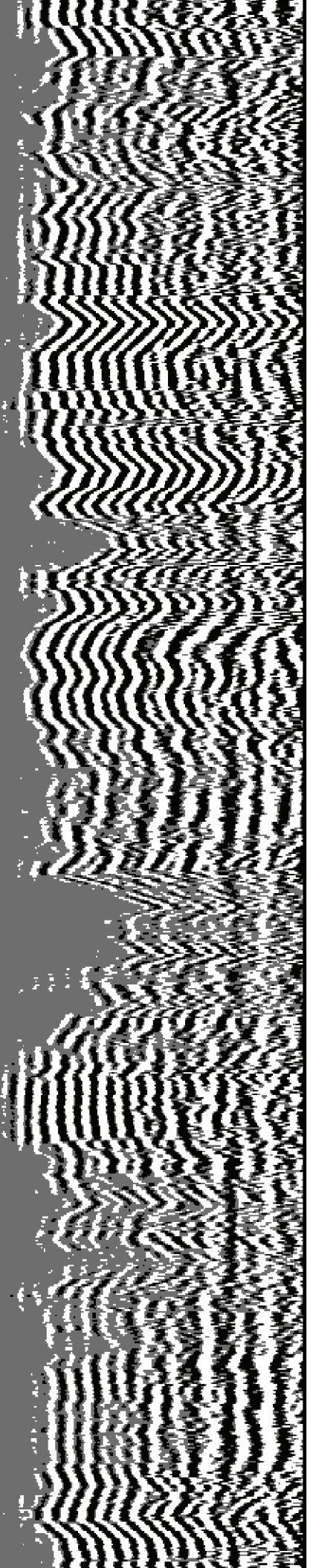


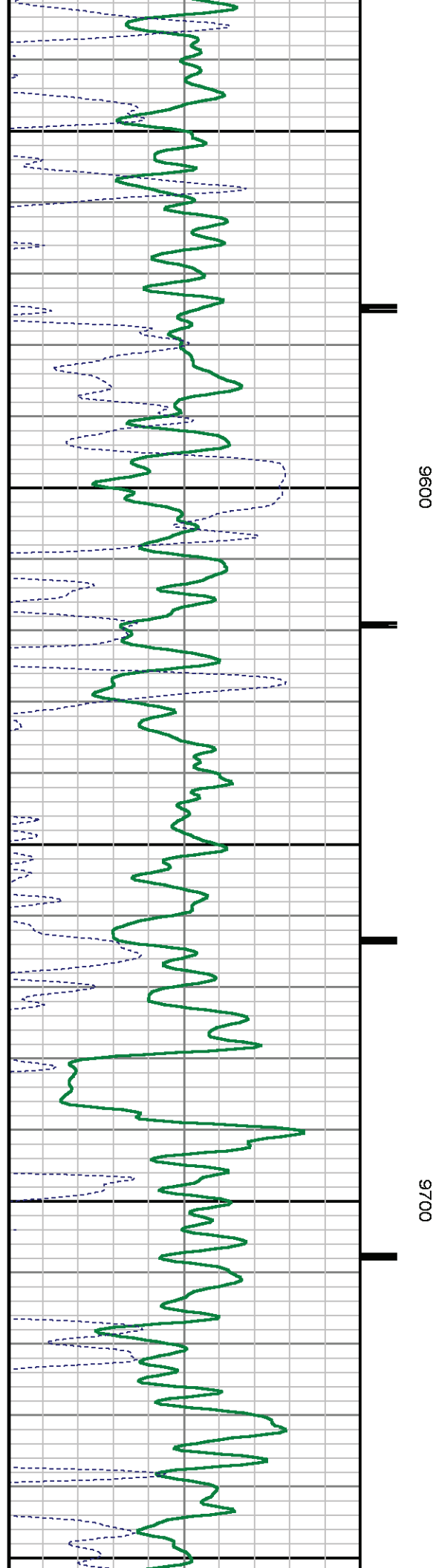
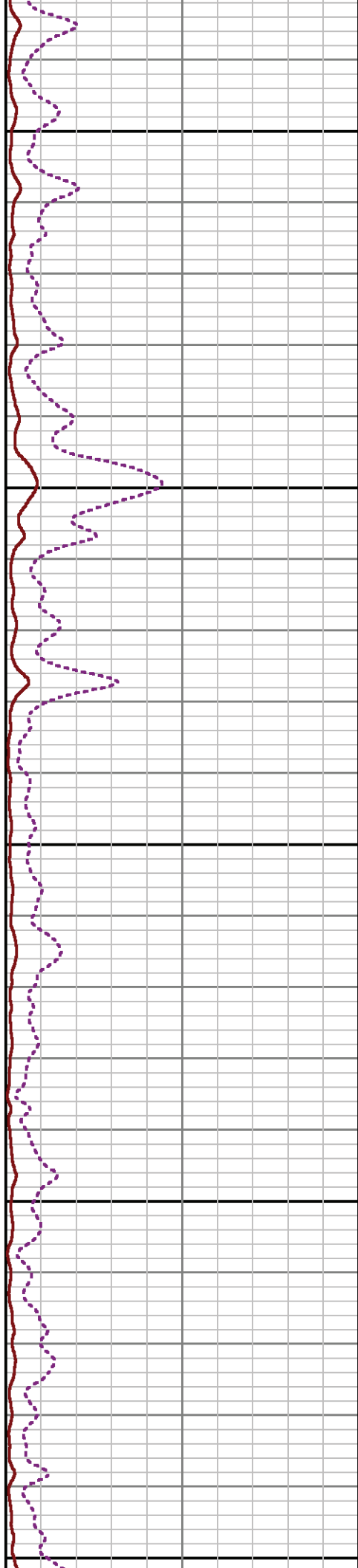
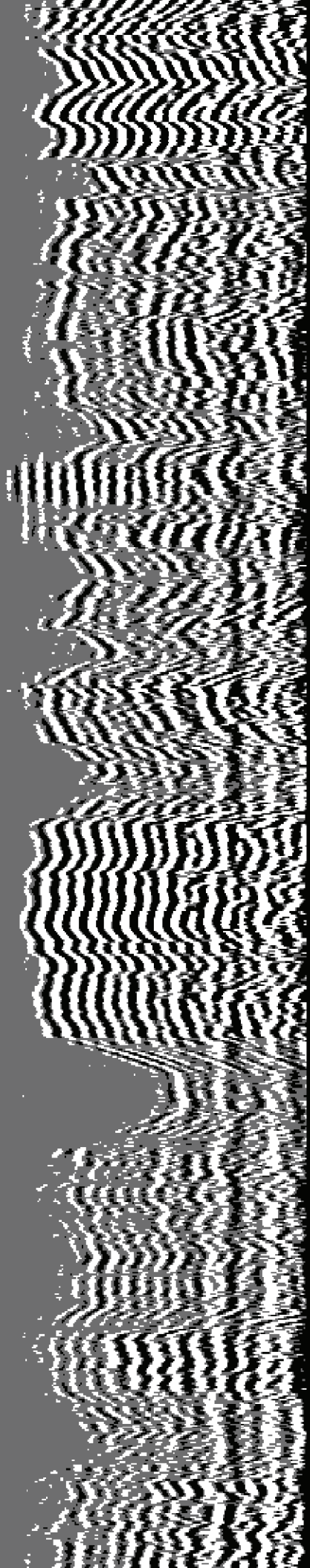


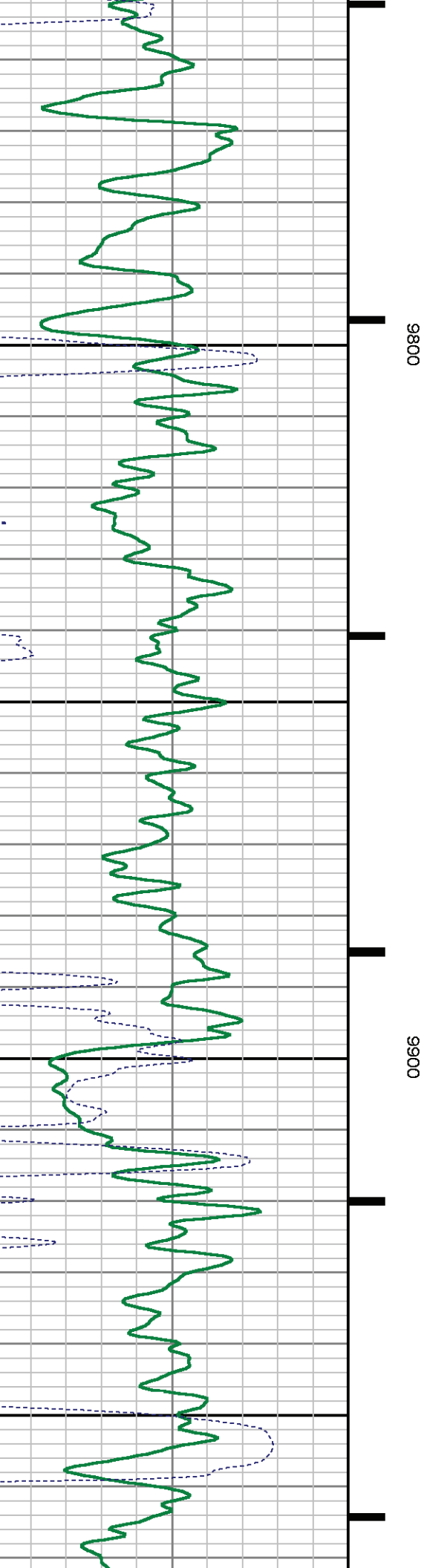
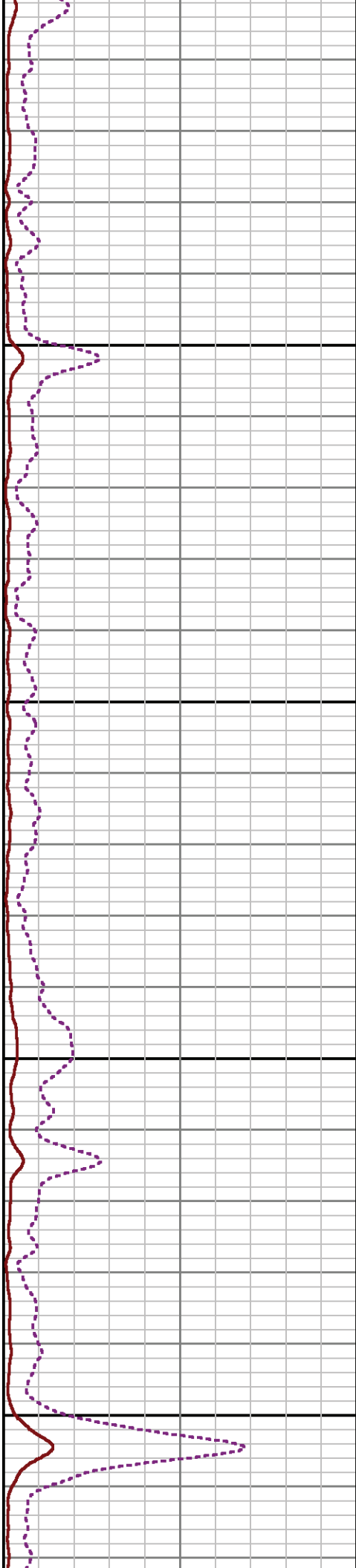
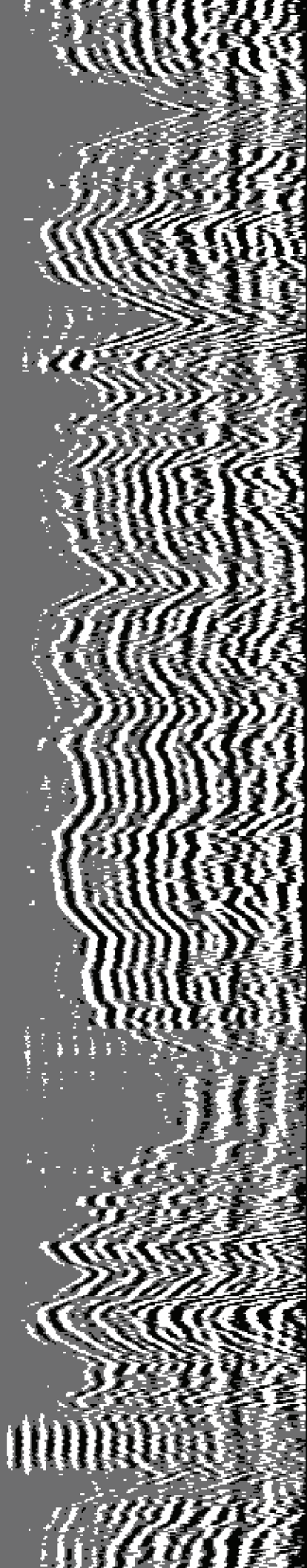


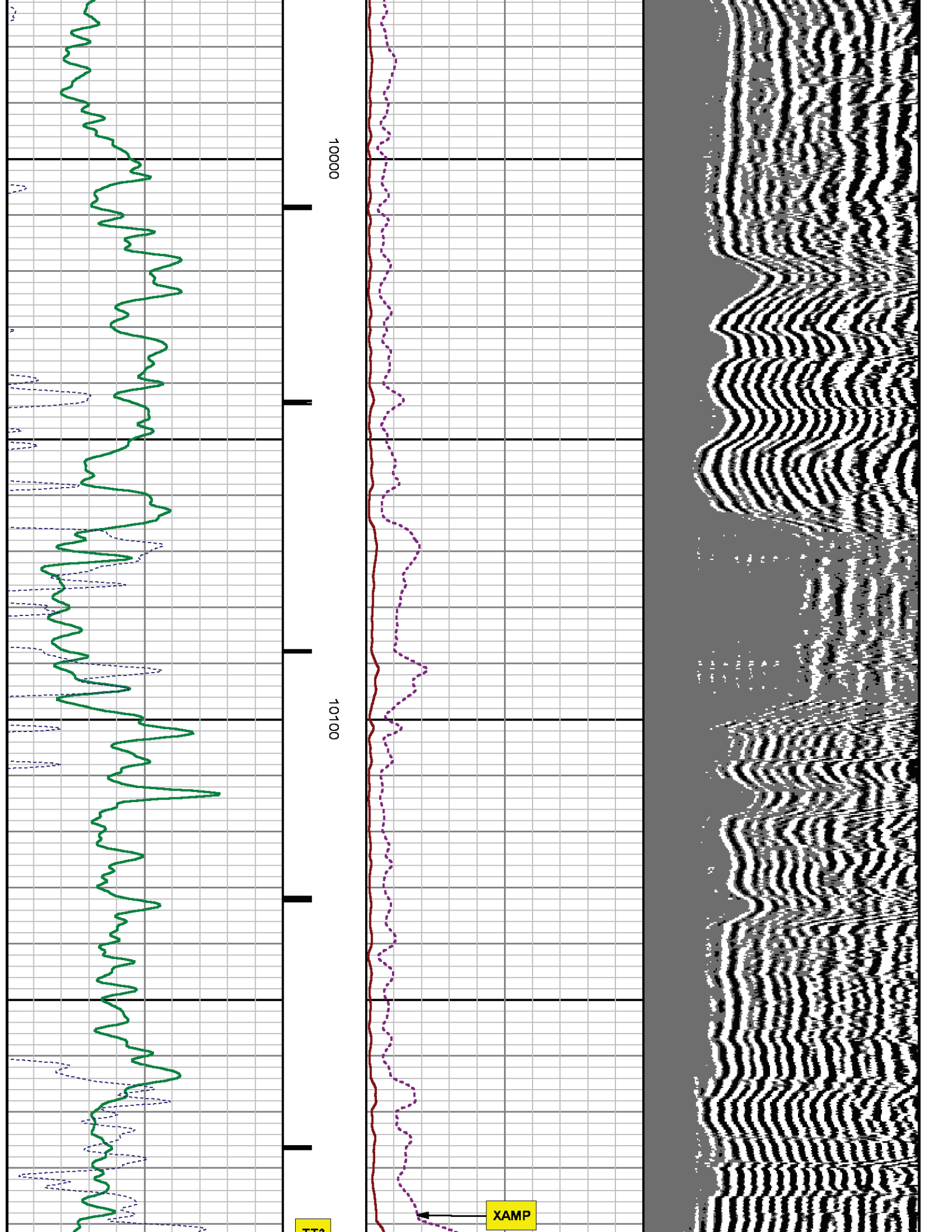


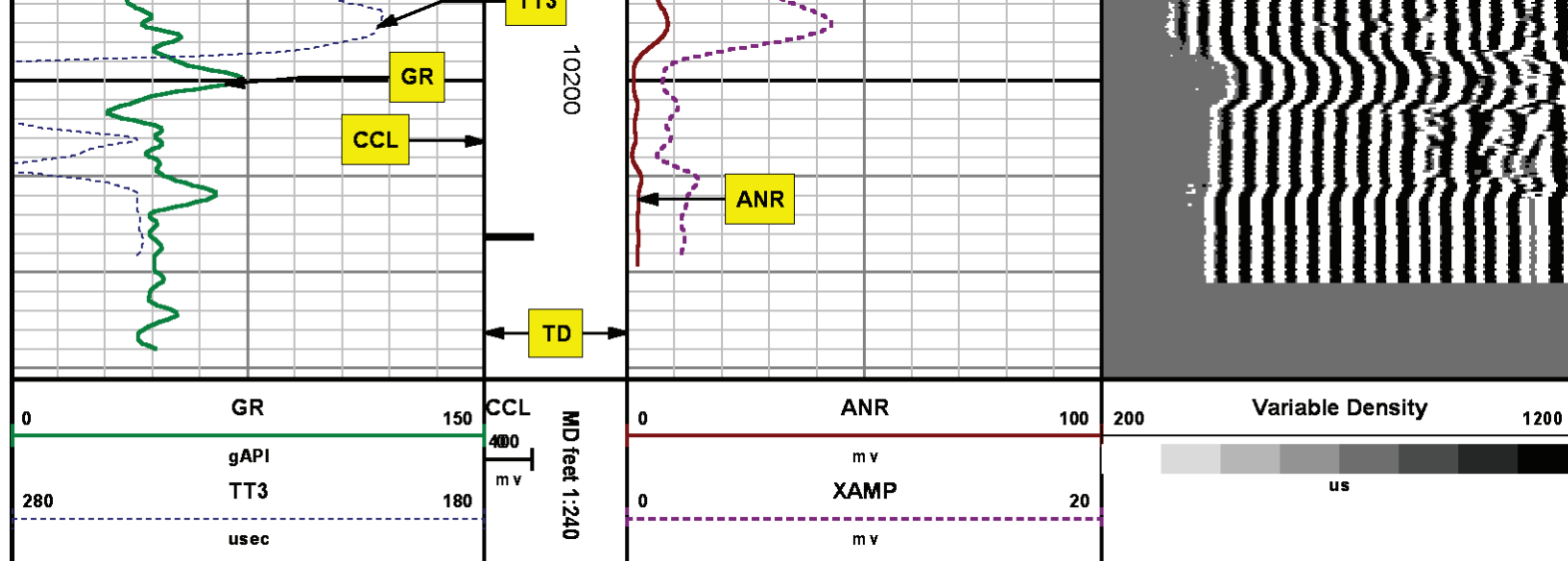












SECONDARY PRESENTATION 0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	28.625	4704.000
RAL	Amp Gate Start Near	195.000	usec	28.625	4704.000
RAL	Amp Gate Start Radial	195.000	usec	28.625	4704.000
RAL	Amp Gate Width Far	25.000	usec	28.625	4704.000
RAL	Amp Gate Width Near	25.000	usec	28.625	4704.000
RAL	Amp Gate Width Radial	25.000	usec	28.625	4704.000
RAL	casing od	4.500	inches	28.625	4704.000
RAL	casing wt	11.600	lbm/ft	28.625	4704.000
RAL	FB Start Far	291.900	usec	28.625	4704.000
RAL	FB Start Near	175.391	usec	28.625	4704.000
RAL	FB Start Radial	175.391	usec	28.625	4704.000
RAL	FB Thresh Far	10.000	mV	28.625	4704.000
RAL	FB Thresh Near	4.000	mV	28.625	4704.000
RAL	FB Thresh Radial	4.000	mV	28.625	4704.000
RAL	Fluid Travel Time	200.000	usec/ft	28.625	4704.000
RAL	Amp Gate Start Far	305.000	usec	4704.000	10231.260
RAL	Amp Gate Start Near	195.000	usec	4704.000	10231.260
RAL	Amp Gate Start Radial	195.000	usec	4704.000	10231.260
RAL	Amp Gate Width Far	25.000	usec	4704.000	10231.260
RAL	Amp Gate Width Near	25.000	usec	4704.000	10231.260
RAL	Amp Gate Width Radial	25.000	usec	4704.000	10231.260