



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: CH79528

Company Well WPX ENERGY FEDERAL RU 42-5

API No: 05045218000000 Field RULISON

County GARFIELD State CO

Location SHL: 240' FNL & 2620' FWL
RU 23-5 PAD BHL: 1237' FNL & 606' FEL

Other Services RPM

5 7S 93W SEC 5 TWP 7S RGE 93W

RU 23-5 PAD

NABORS 576

Permanent Datum Log Measured From Drill Measured From

GL Elevation 7602 ft

KB 26 ft Above P. D.

KB Elevations KB 7628 ft DF GL 7602 ft

Date 25/NOV/13

Run ONE

Service Order US625036

Depth Driller 10321 ft

Depth Logger 10285 ft

Bottom Logged Interval 10285 ft

Top Logged Interval 26 ft

Time Started 8:00

Time Finished 13:30

Operator Rig Time 5.5 HOURS

Type of Fluid in Hole WATER

Fluid Density NA

Salinity NA

Fluid Level 68 ft

Logged Cement Top NA

Wellhead Pressure 0 psi

Maximum Hole Deviation NA

Nominal Logging Speed 65 fpm

Maximum Recorded Temperature 240 degF

Reference Log NA

Reference Log Date NA

Equipment No. 4271 Location GRAND JCT.

Recorded By TIM NEWELL

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	1142 ft
8.75 In	1142 ft	10383 ft

Casing Record

Size	Weight	Grade	From	To
9.625 In			0 ft	1142 ft
4.5 In	11.6 lbm/ft	HCP-110	0 ft	10383 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 6 feet.

Logged with zero PSI at wellhead.

BHT = 240 °F

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	CBL	1426XA	10218495	CENTRALIZED
1	1	GR/CCL	1355XA	10580209	CENTRALIZED

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	30.973	10315.500
RAL	Amp Gate Start Near	195.000	usec	30.973	10315.500
RAL	Amp Gate Start Radial	195.000	usec	30.973	10315.500
RAL	Amp Gate Width Far	25.000	usec	30.973	10315.500
RAL	Amp Gate Width Near	25.000	usec	30.973	10315.500
RAL	Amp Gate Width Radial	25.000	usec	30.973	10315.500
RAL	casing od	4.500	inches	30.973	10315.500
RAL	casing wt	11.600	lbm/ft	30.973	10315.500
RAL	FB Start Far	291.900	usec	30.973	10315.500
RAL	FB Start Near	175.391	usec	30.973	10315.500
RAL	FB Start Radial	175.391	usec	30.973	10315.500
RAL	FB Thresh Far	10.000	mv	30.973	10315.500
RAL	FB Thresh Near	4.000	mv	30.973	10315.500
RAL	FB Thresh Radial	4.000	mv	30.973	10315.500
RAL	Fluid Travel Time	200.000	usec/ft	30.973	10316.379

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
		FPR3	FPR5	TT3	TTD4	TTD5	TTD7

1426XA -10.040
1355XA -5.620
1355XA -1.500
1355XA 0.000

FPR3	FPR3	TT3	TTR1	TTR2	TTR3
TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
AFAR	SIG	TT5			
CCL					
GR					
TEMP					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

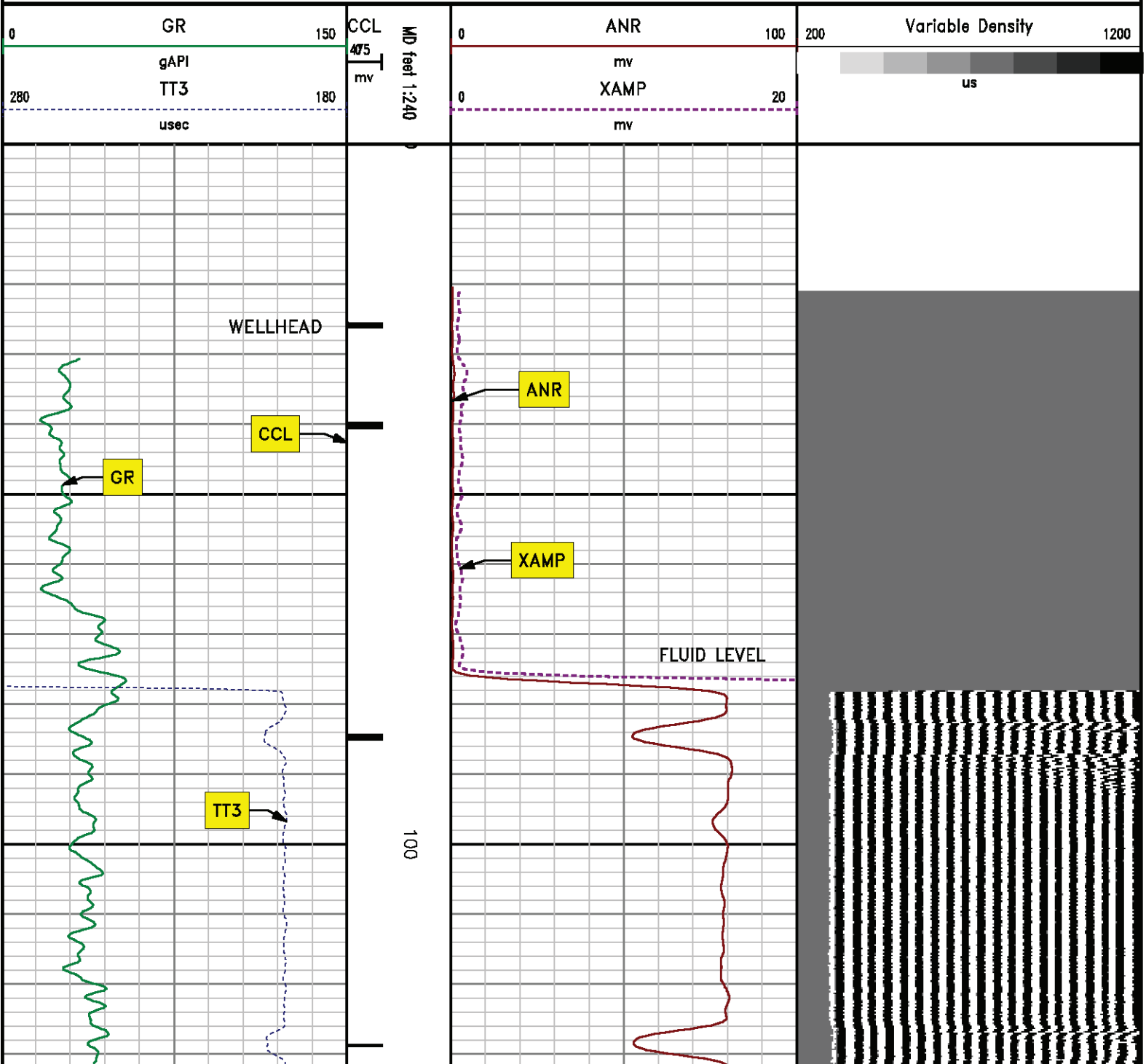
Well : FEDERAL RU 42-5

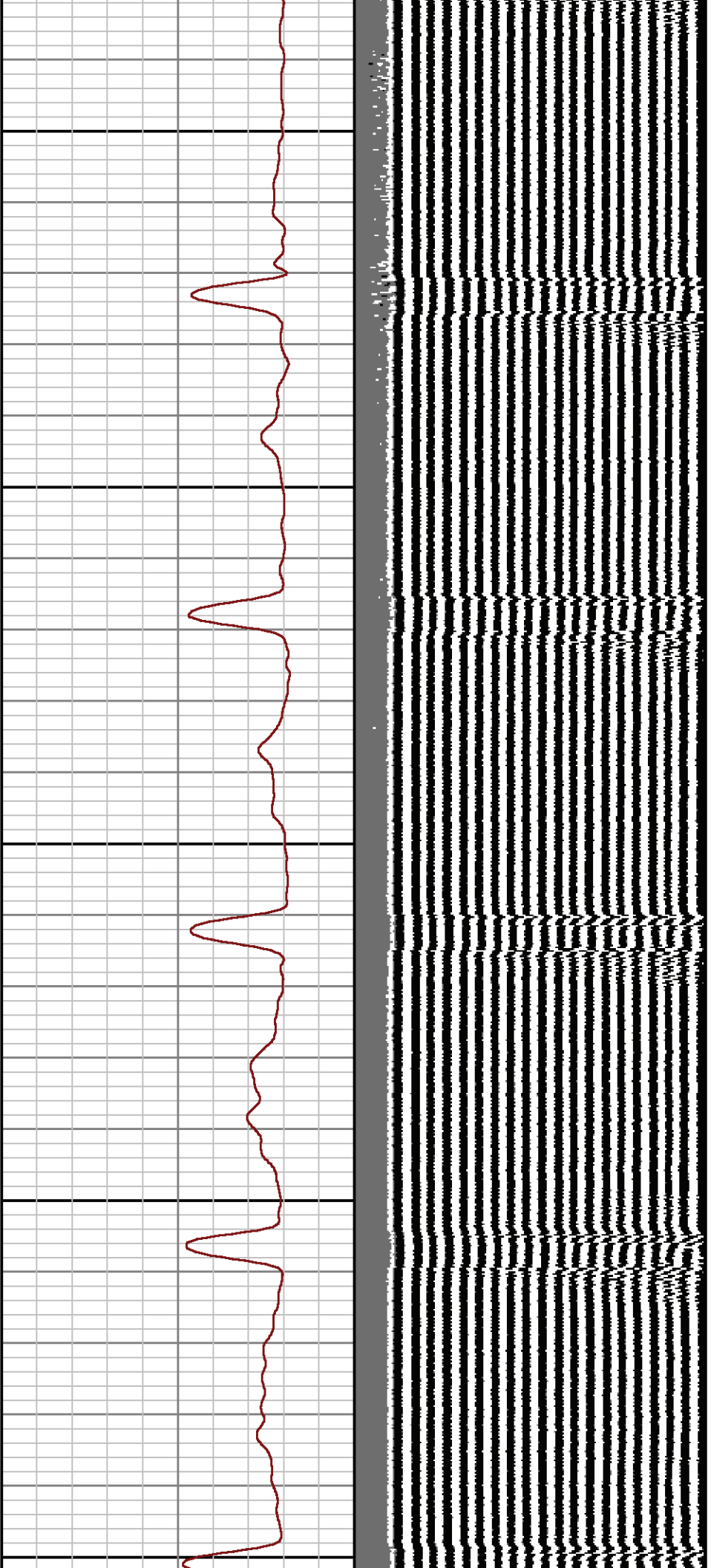
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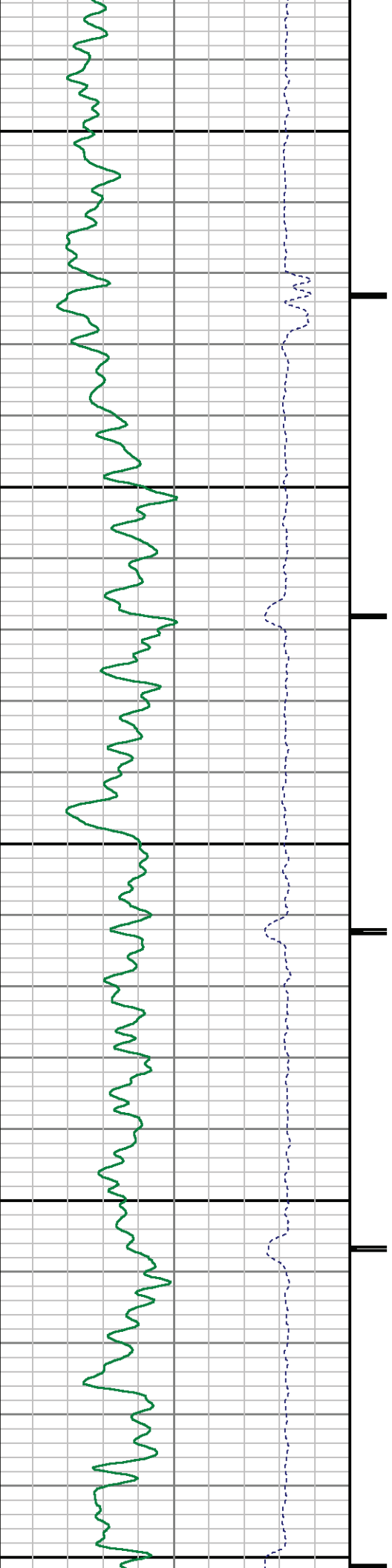
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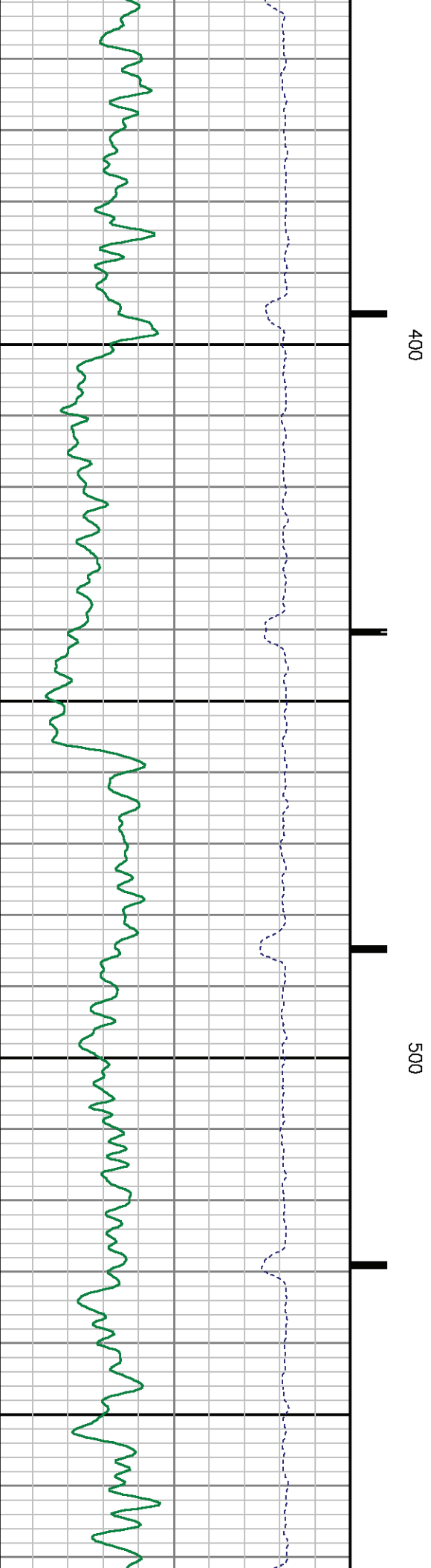
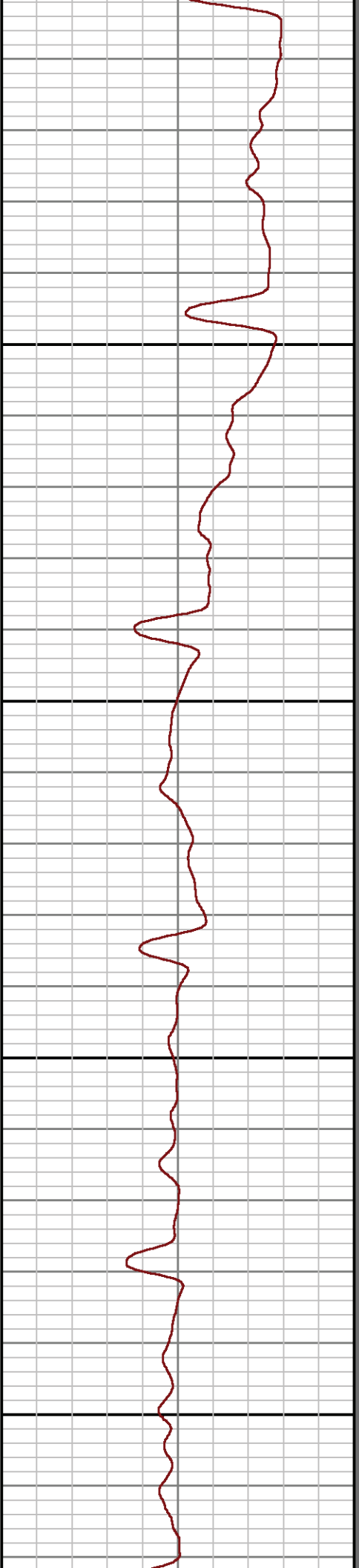
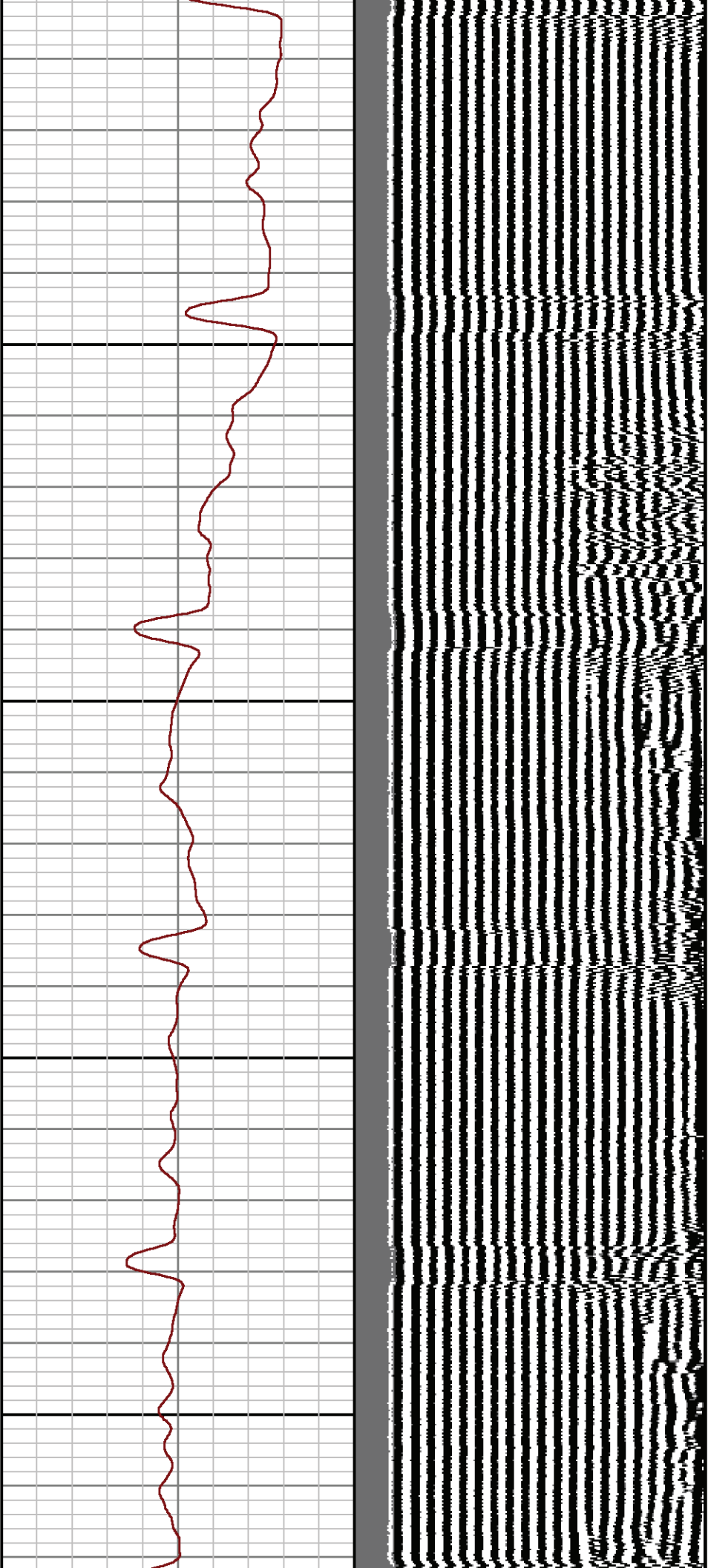


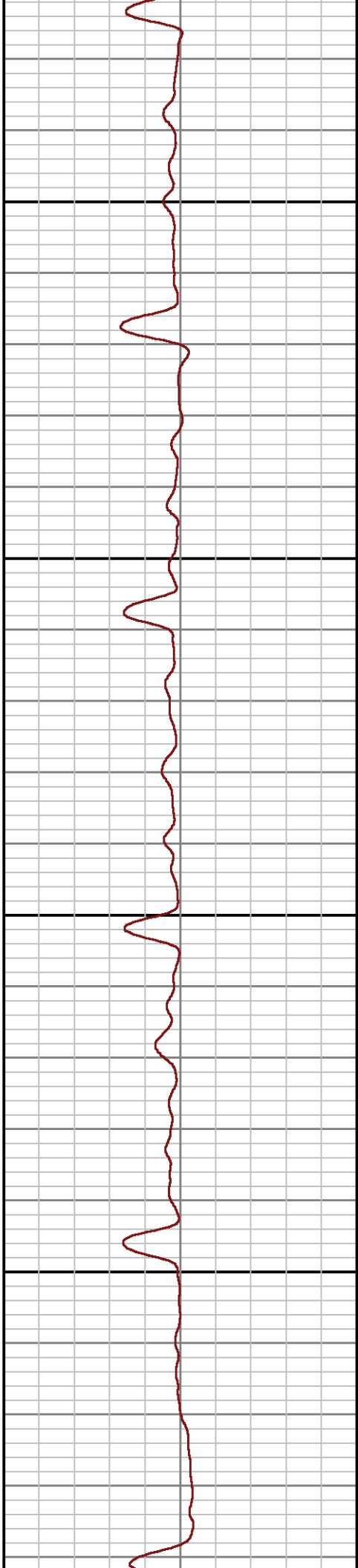
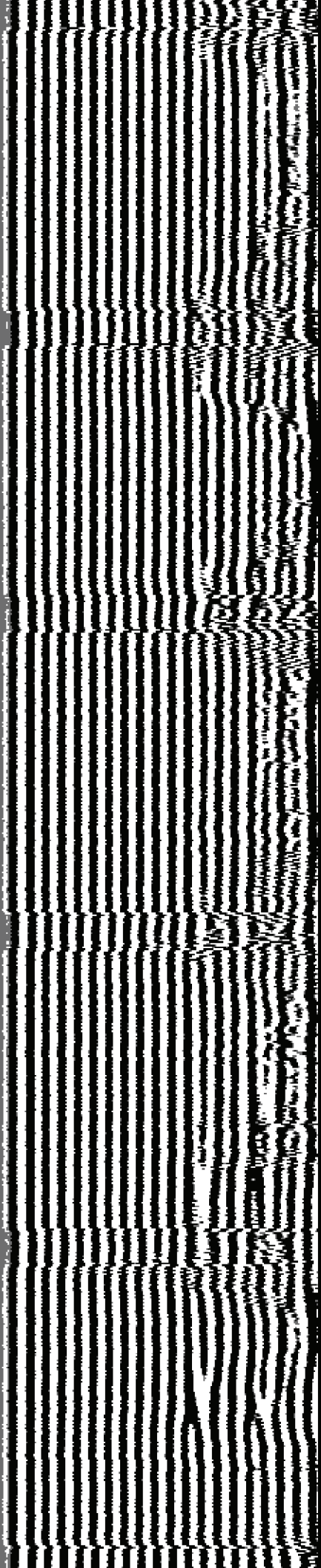


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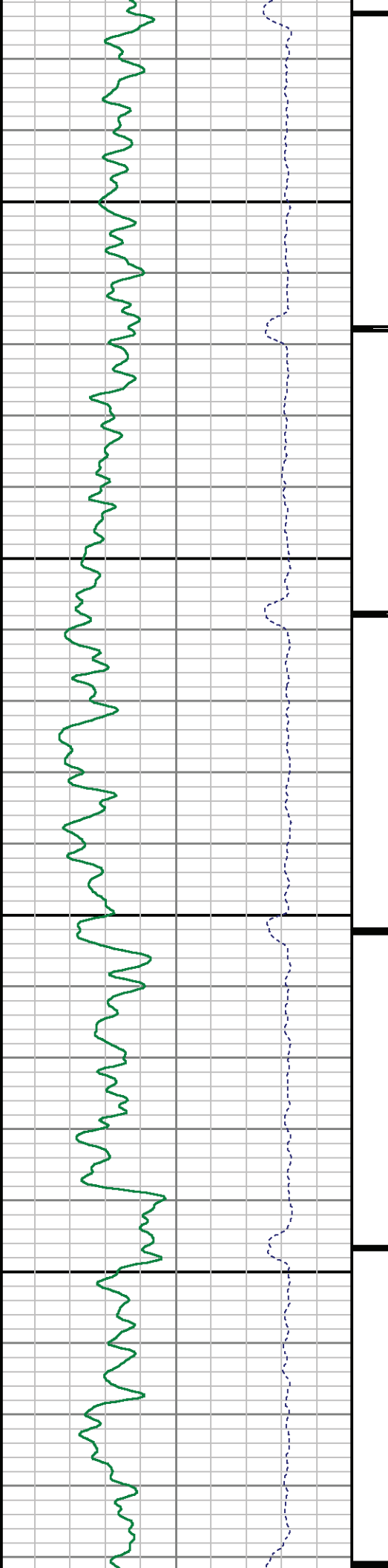


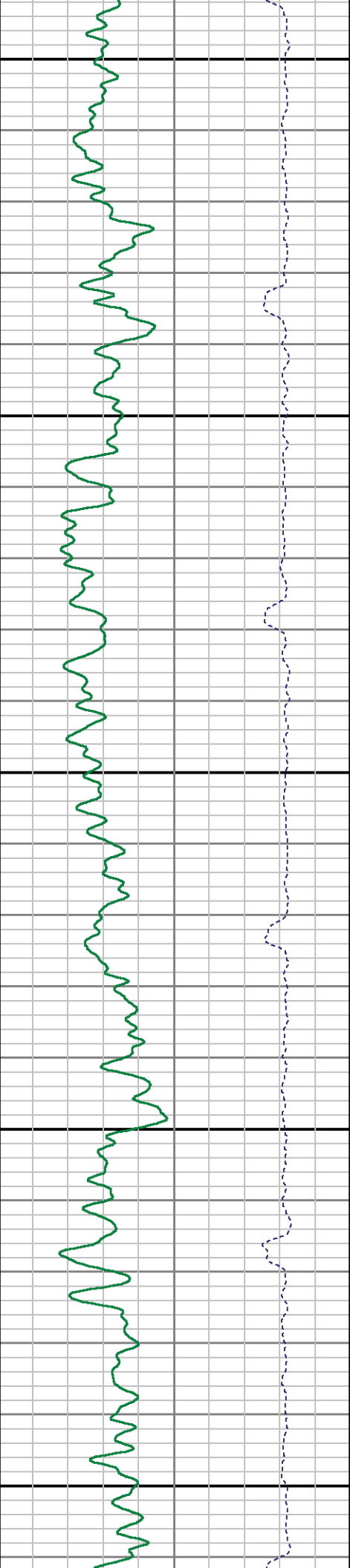
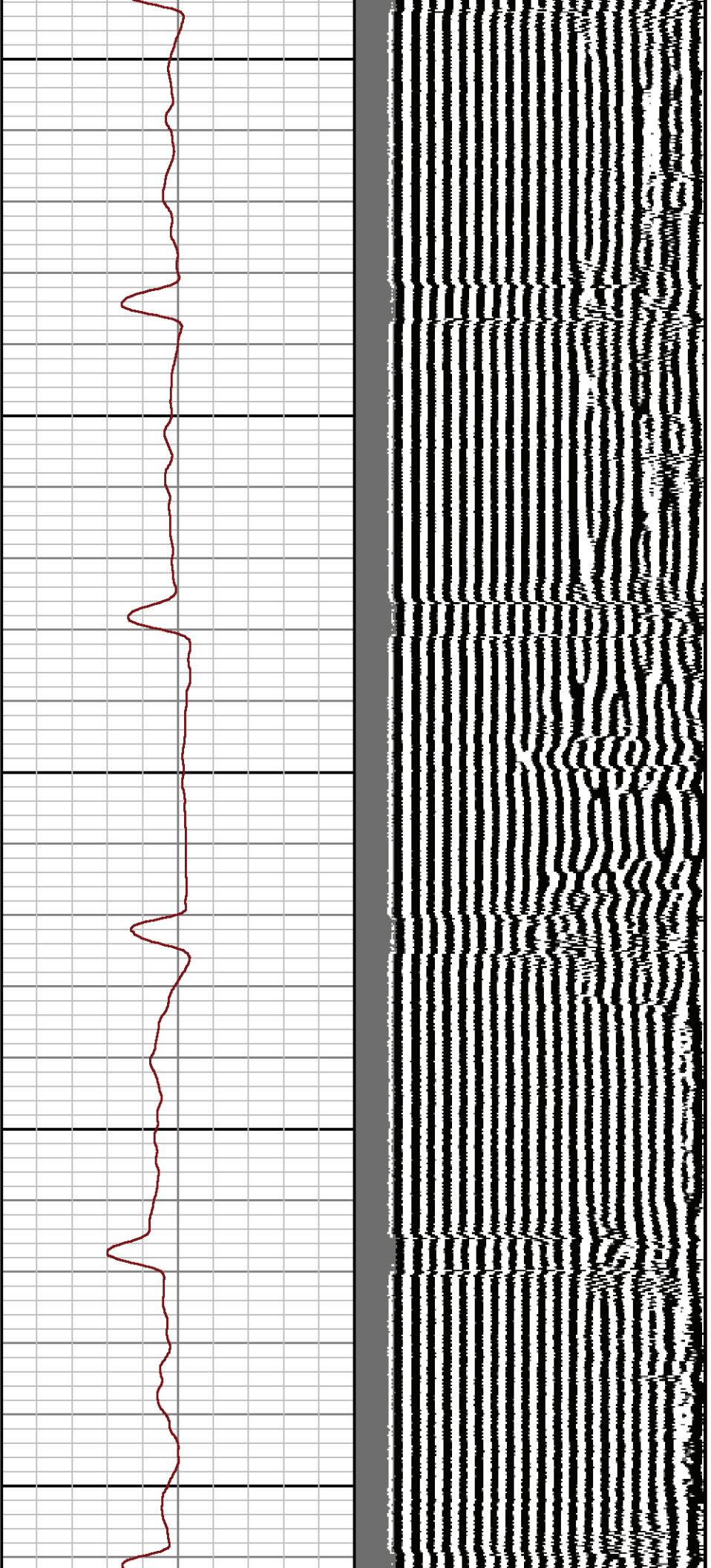


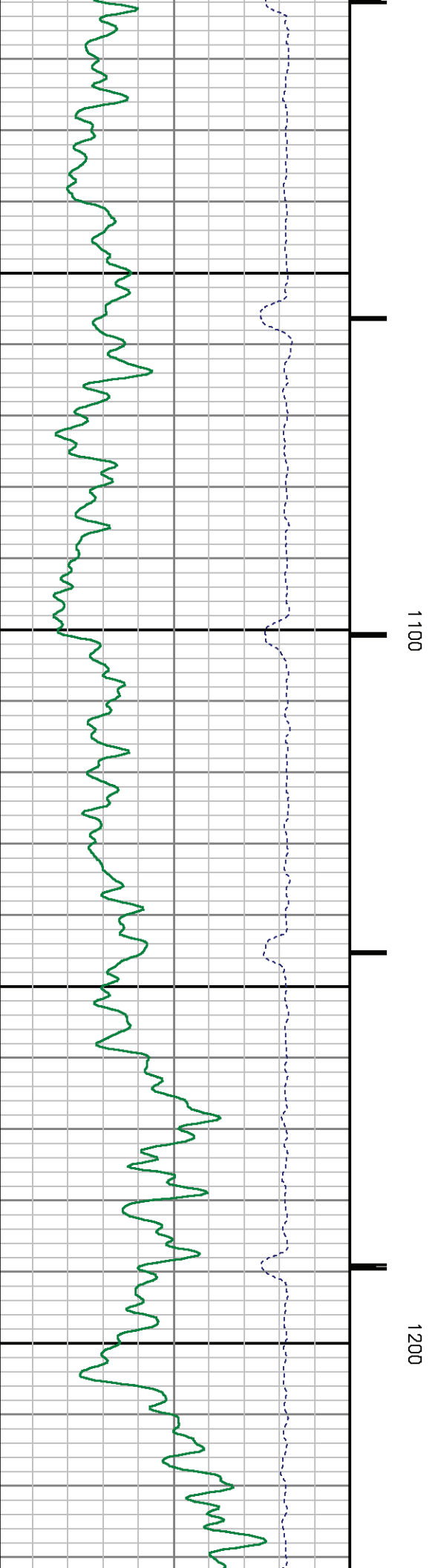
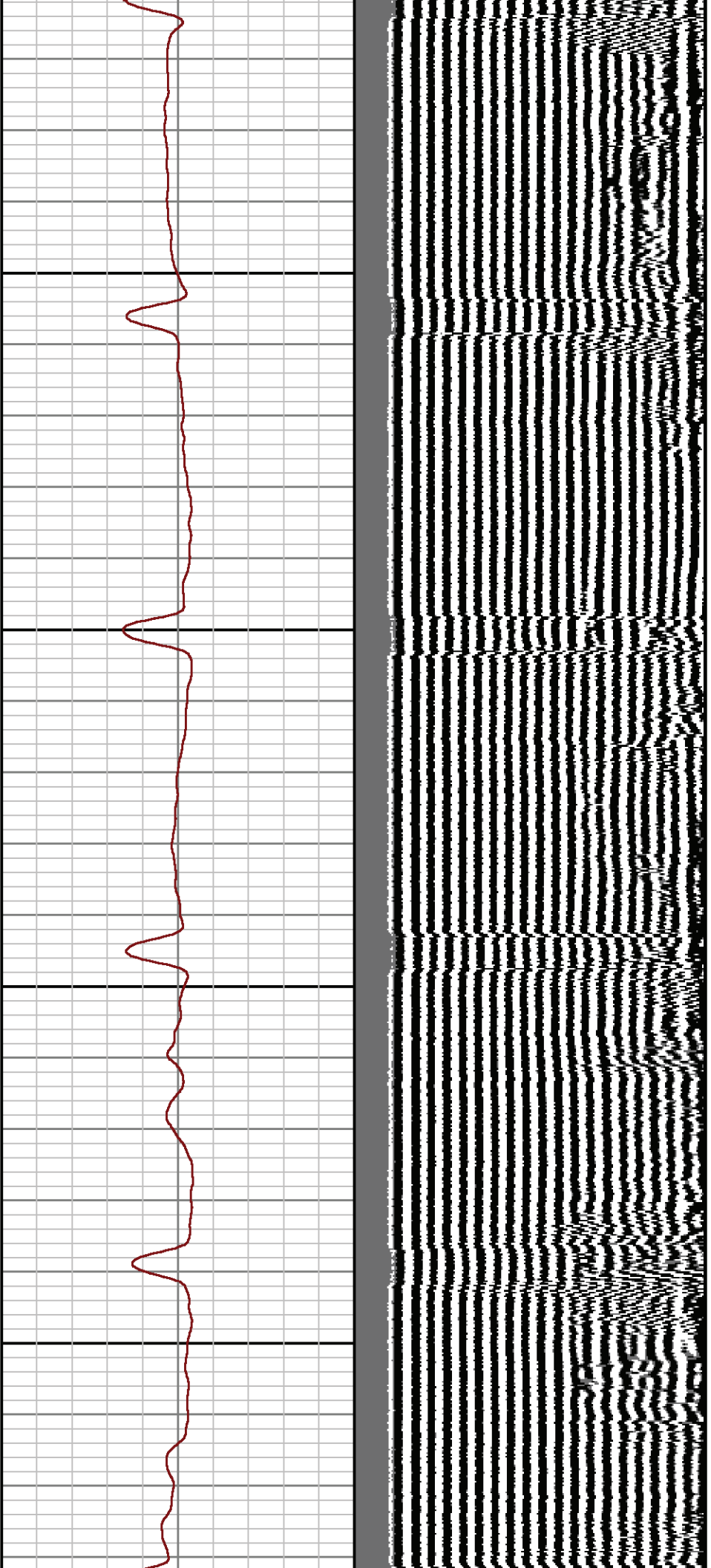


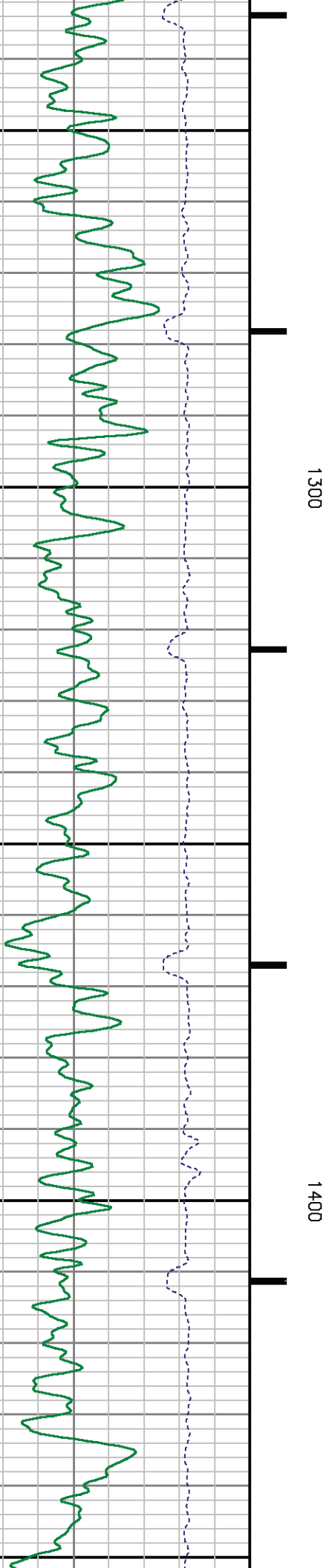
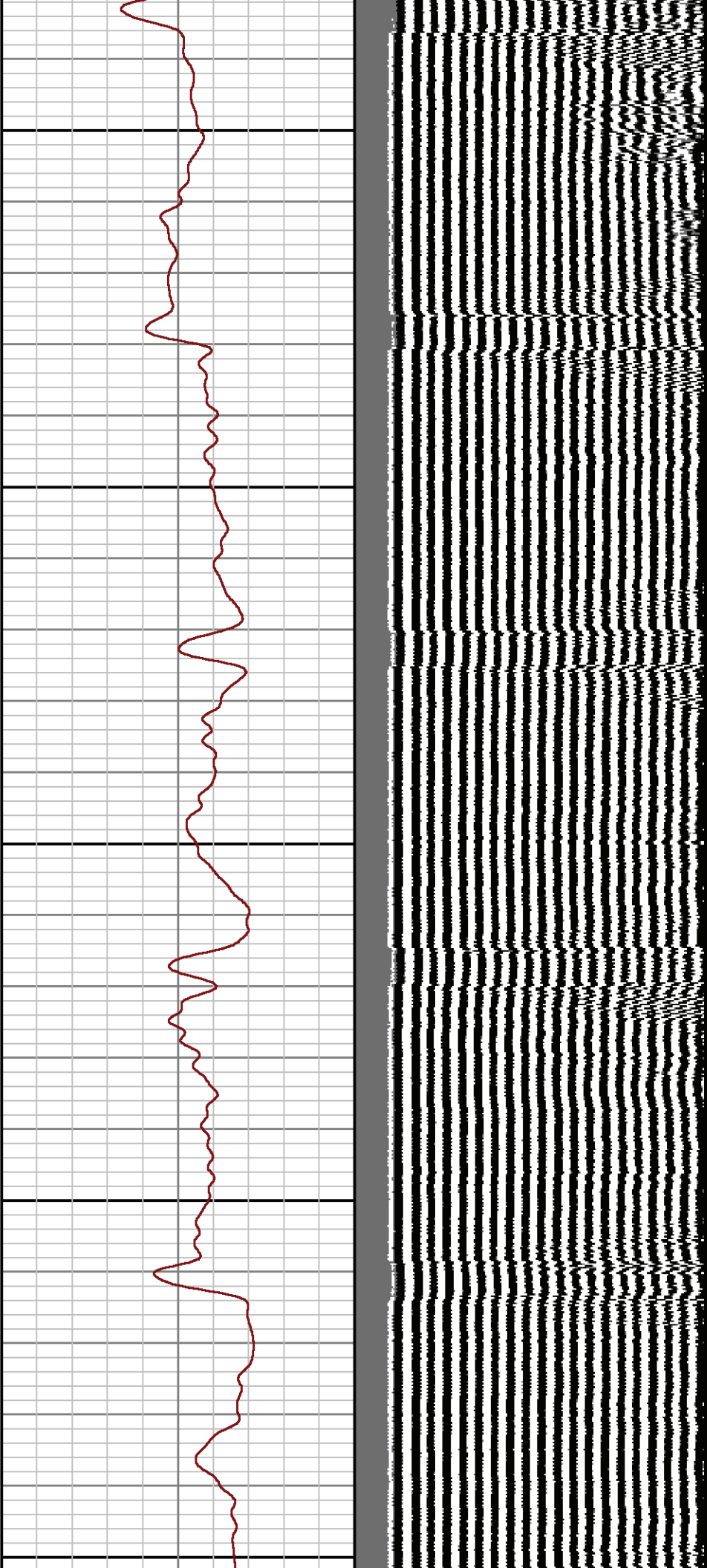
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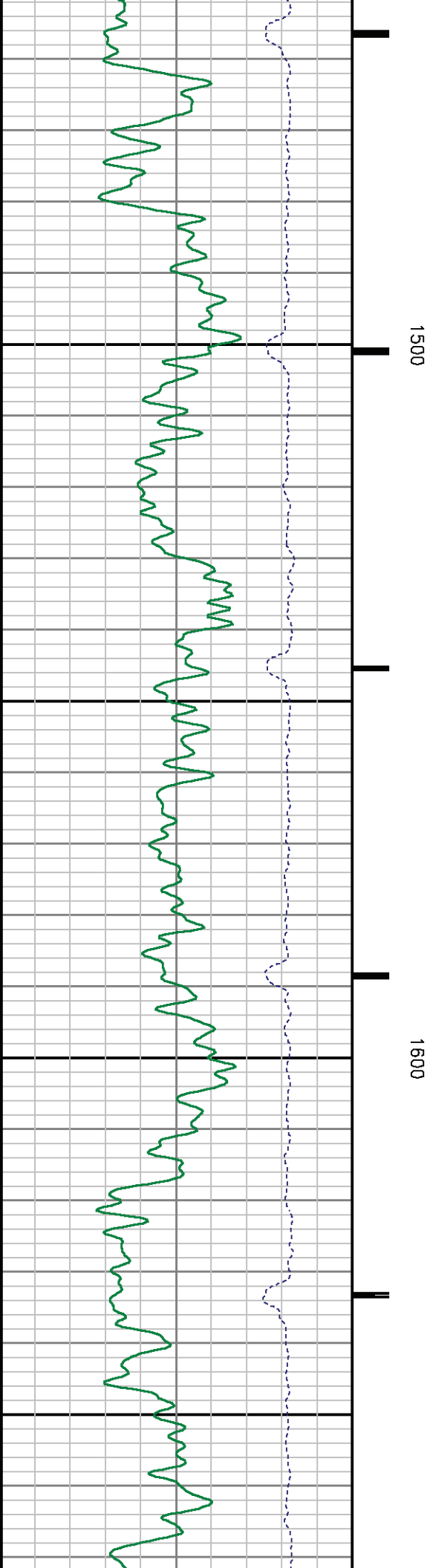
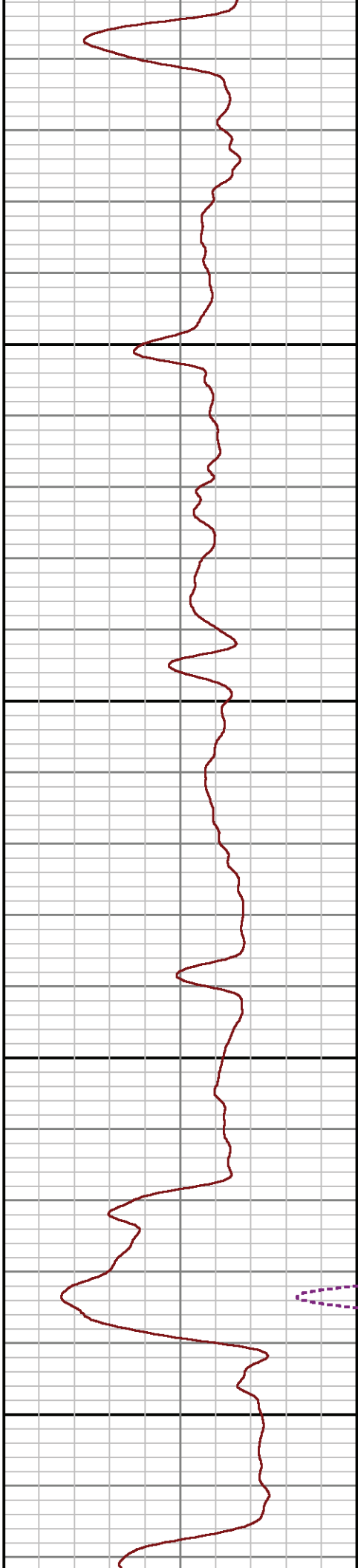
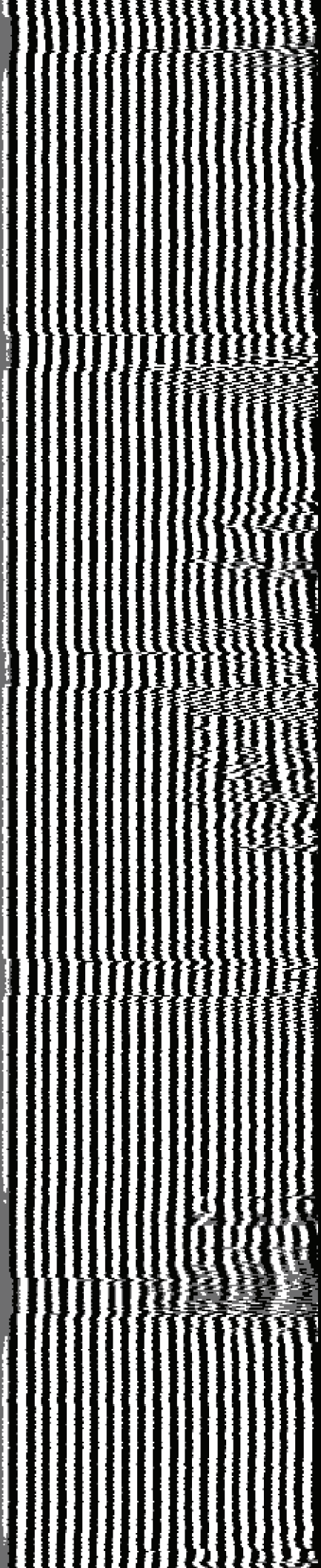
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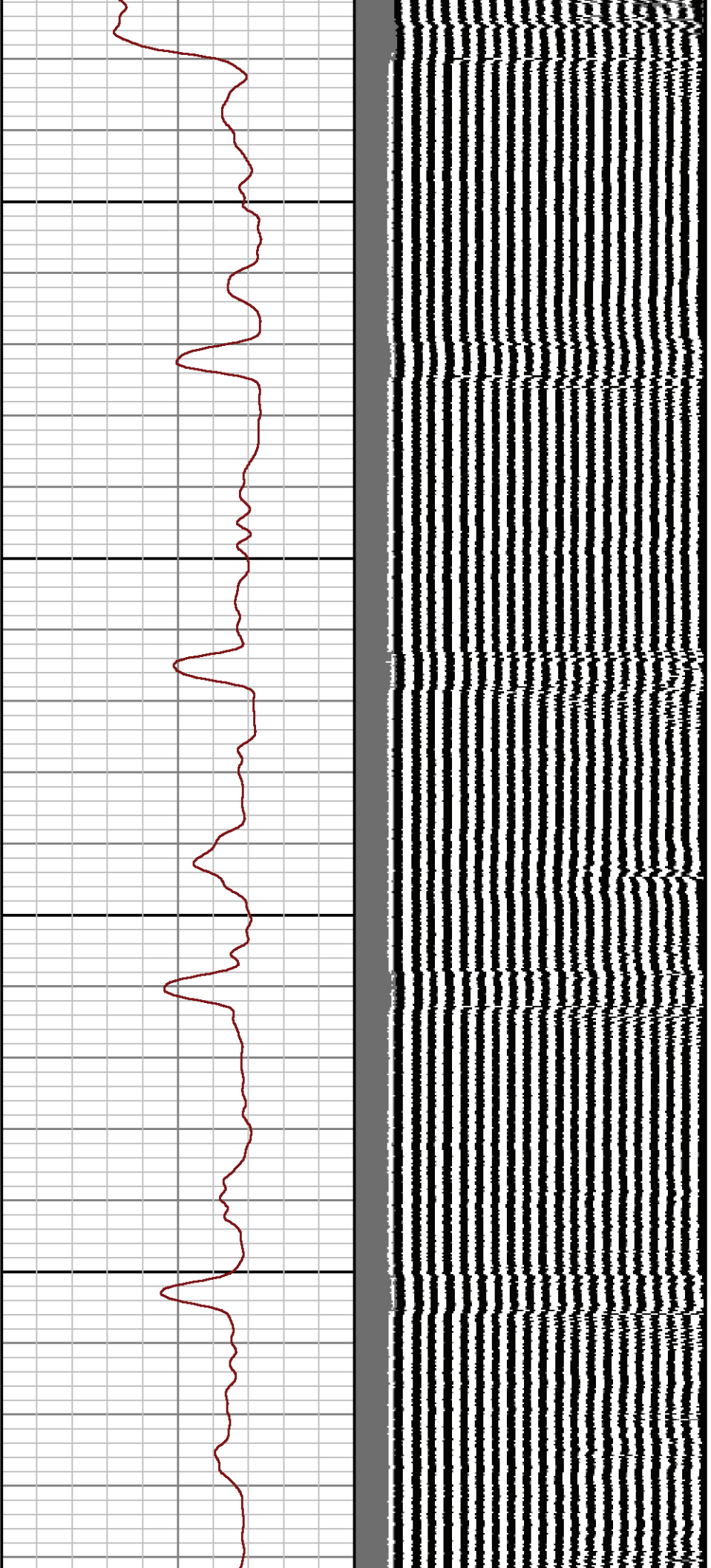






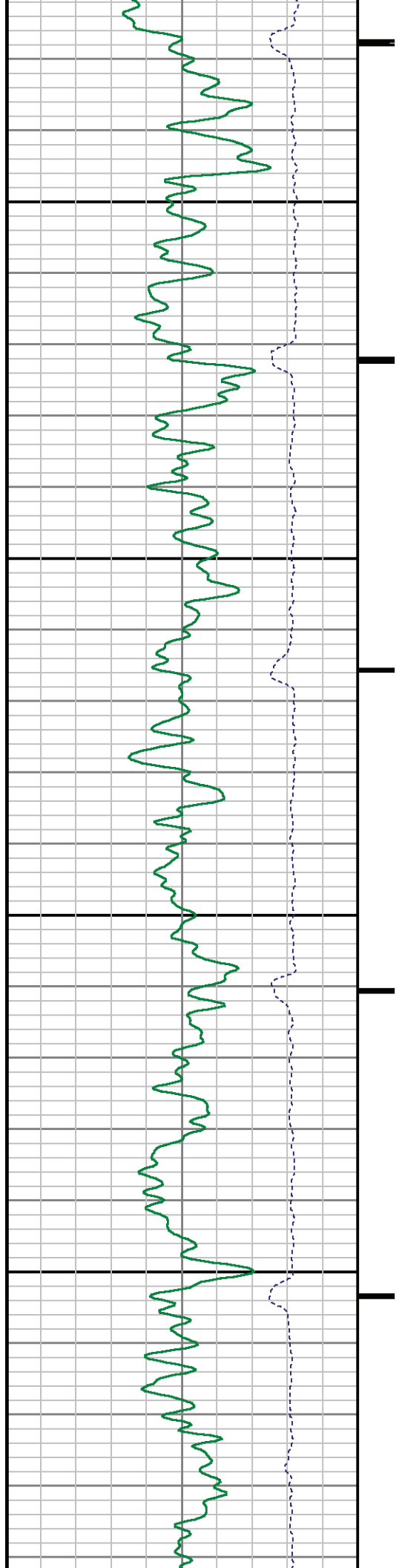


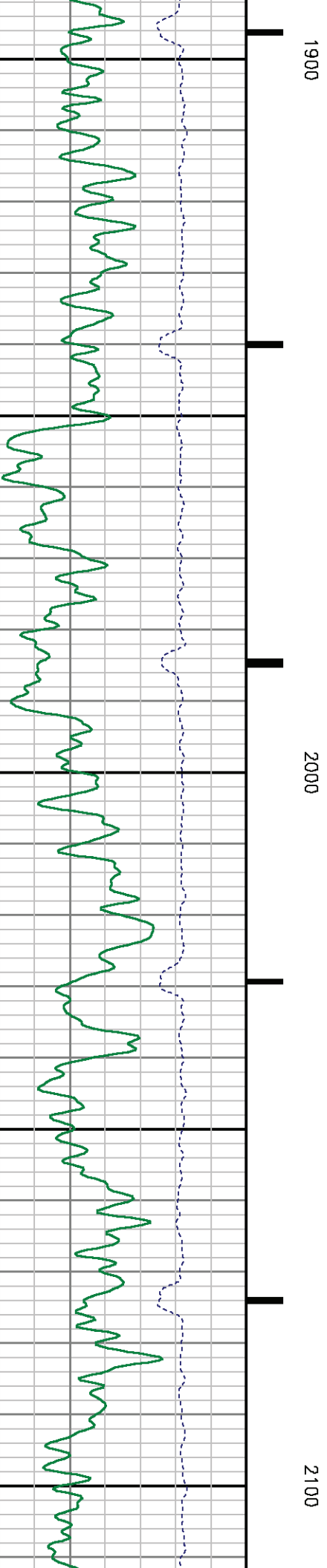
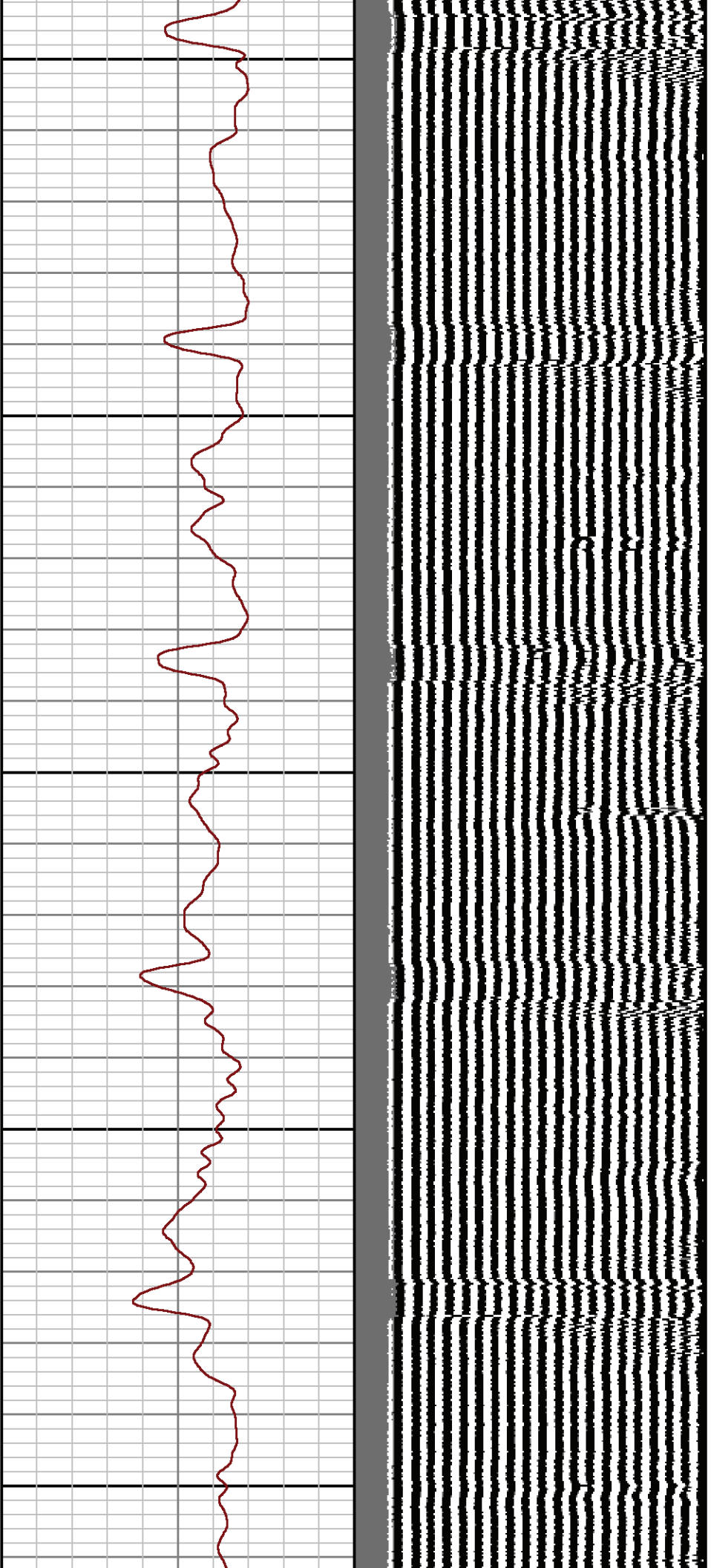


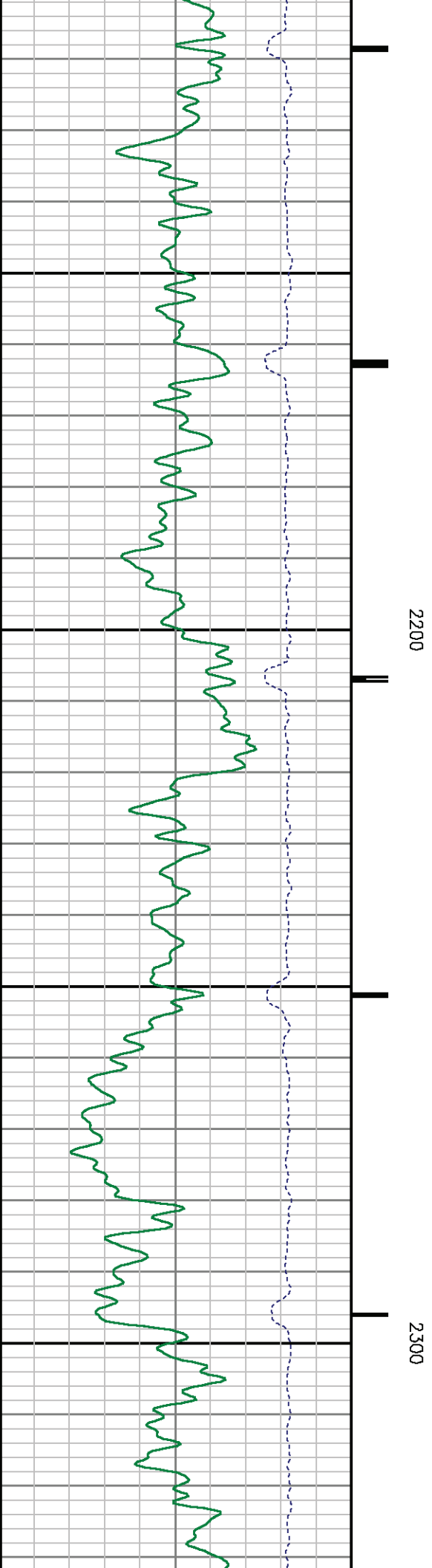
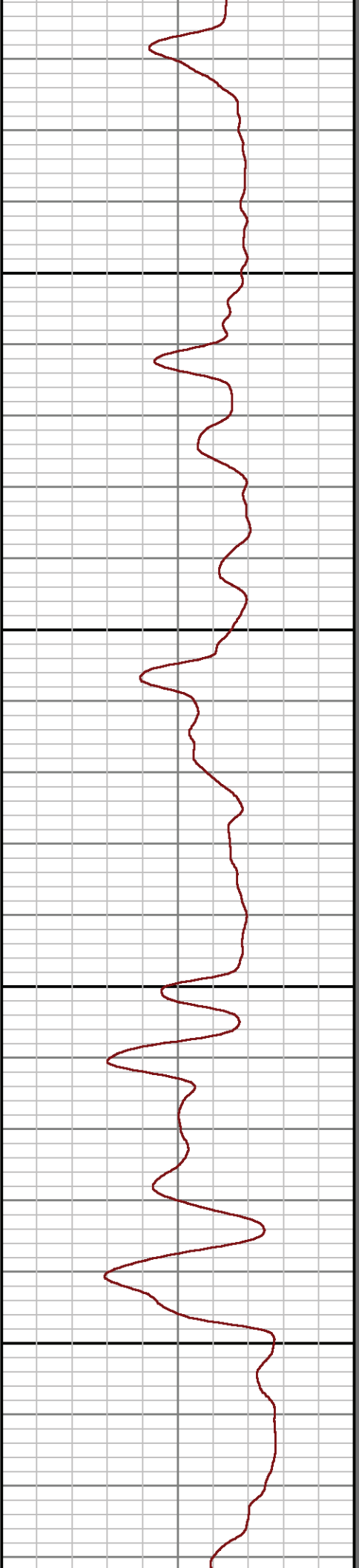
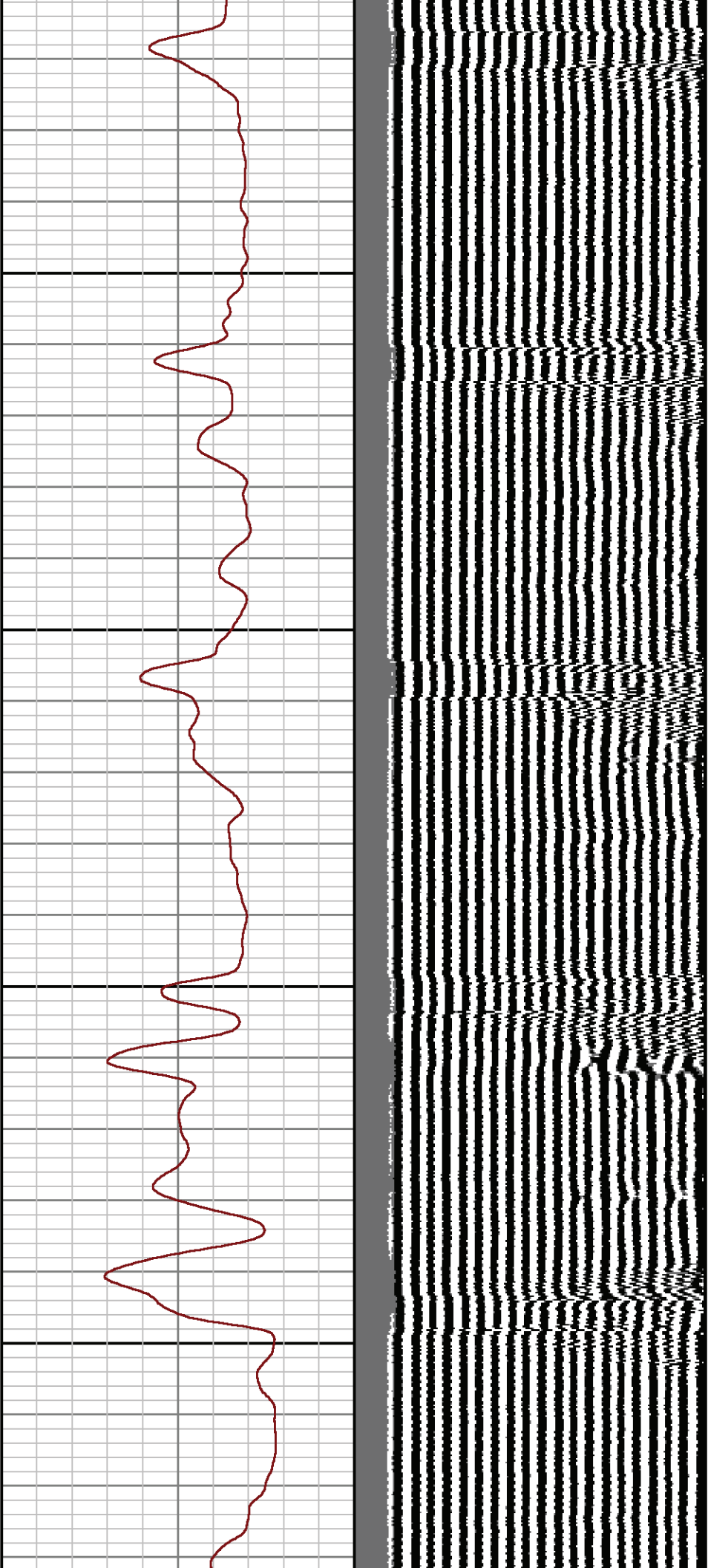


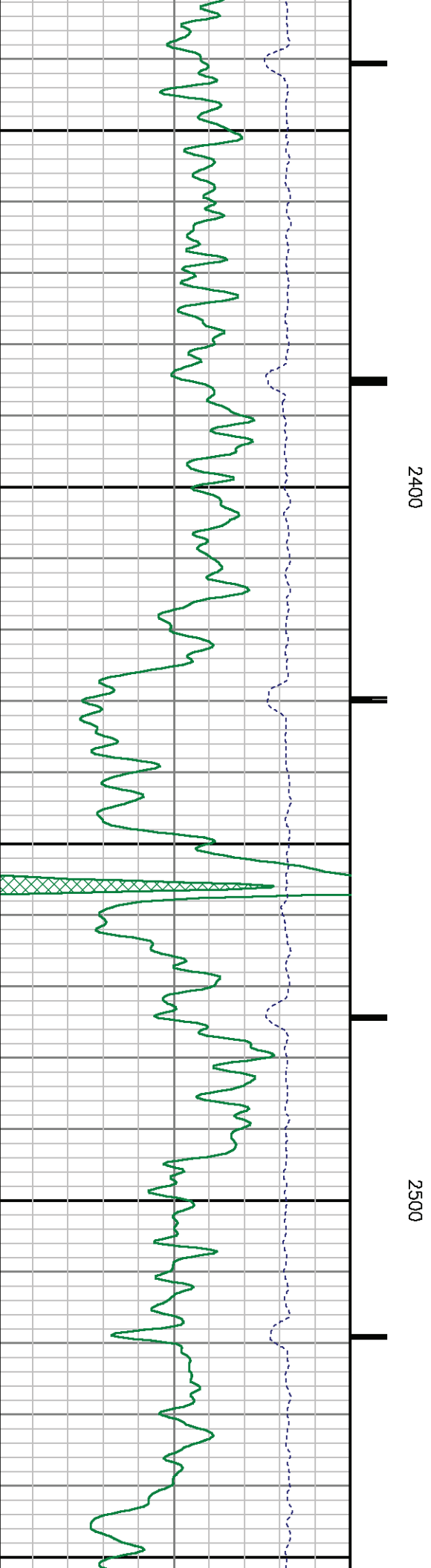
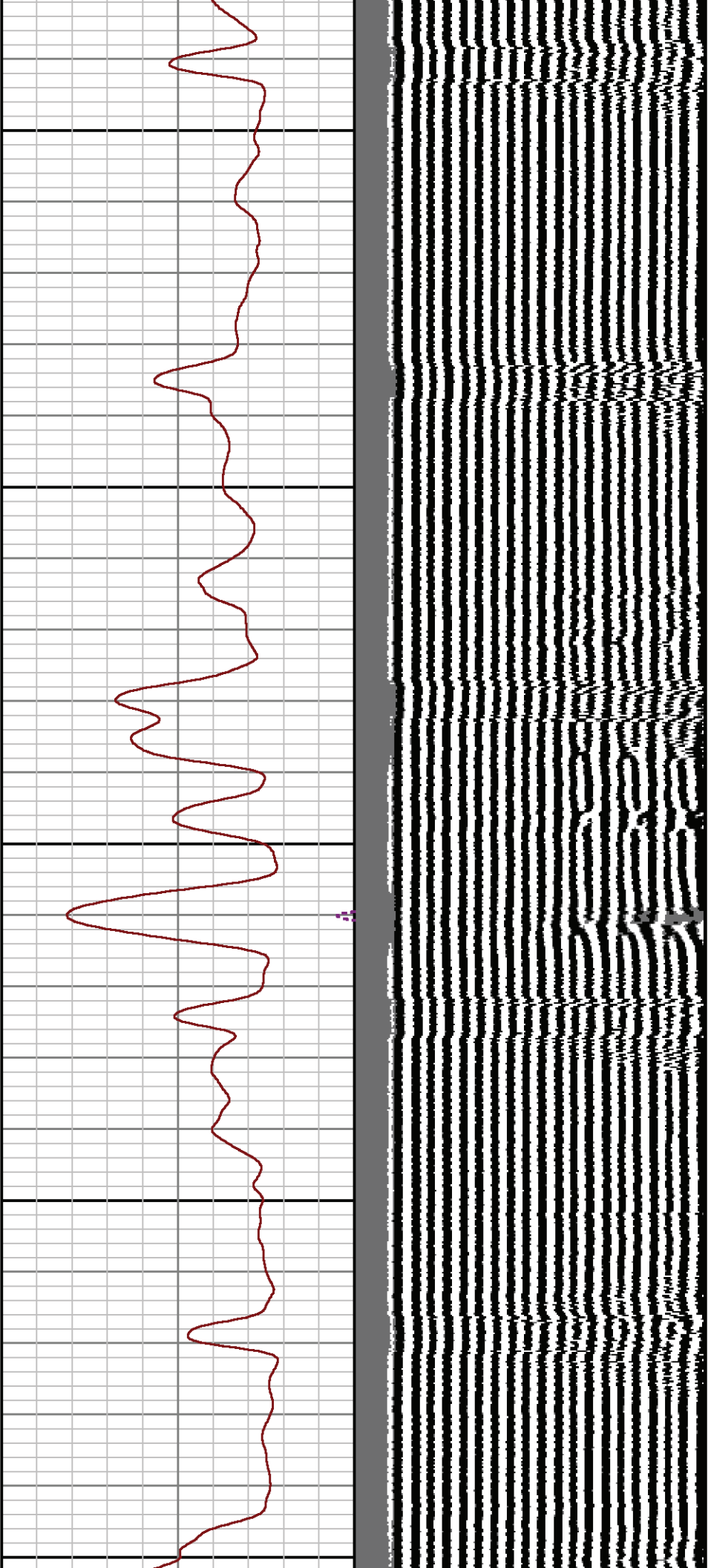
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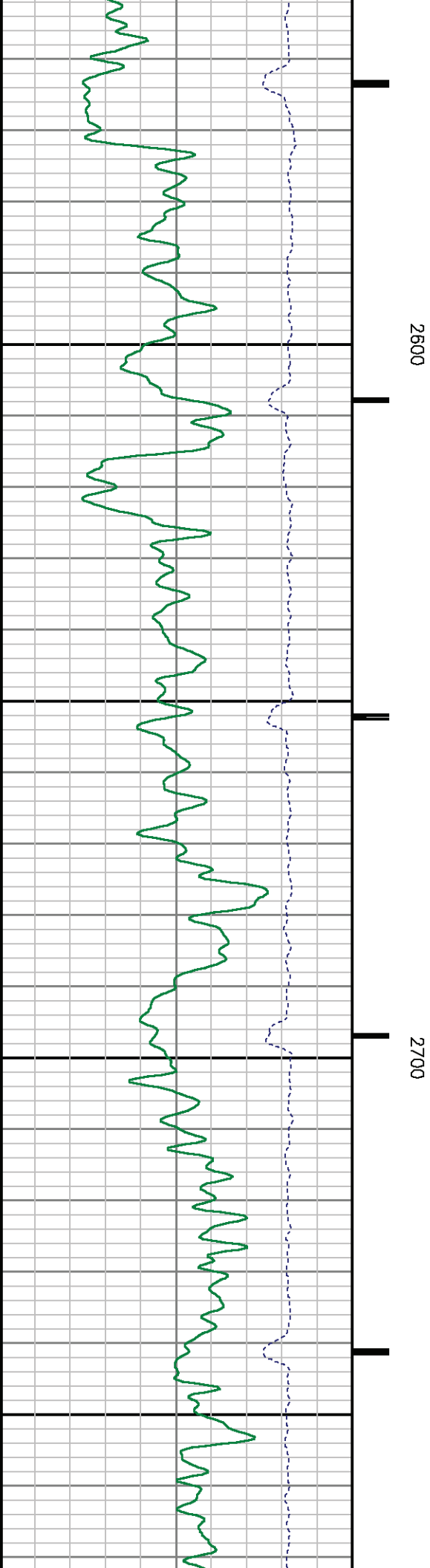
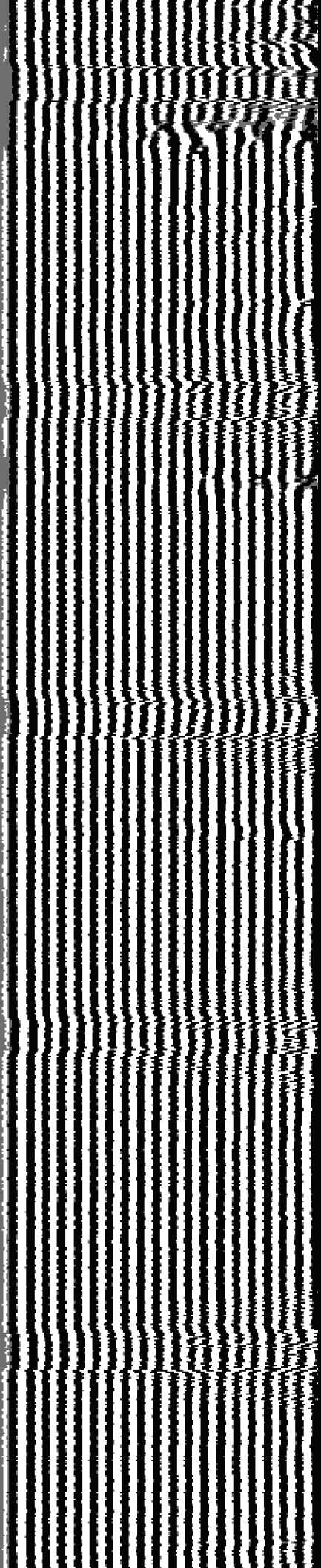
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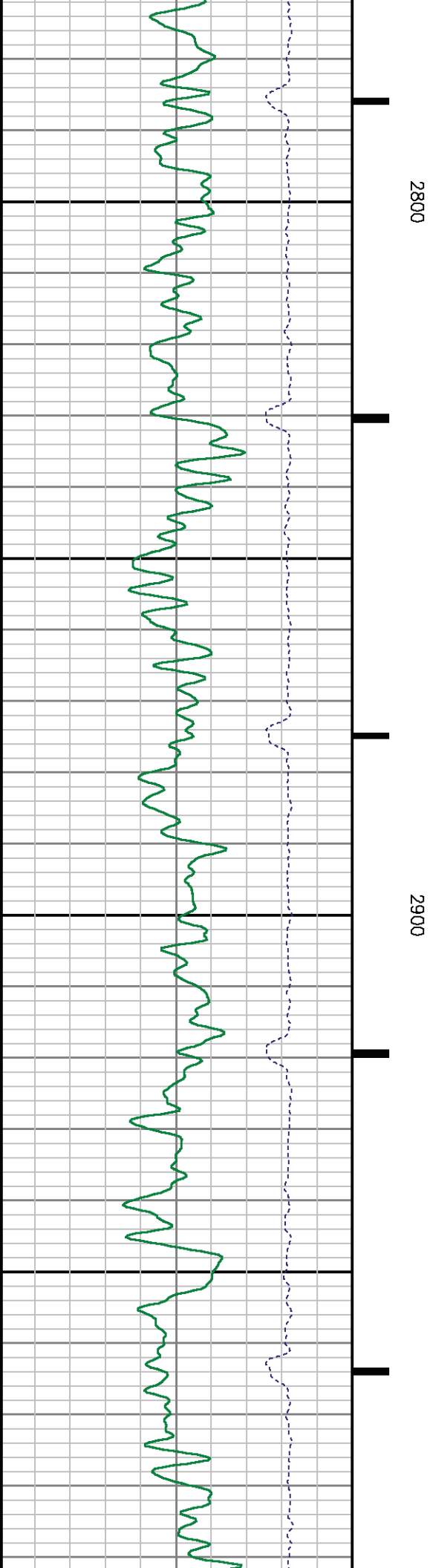
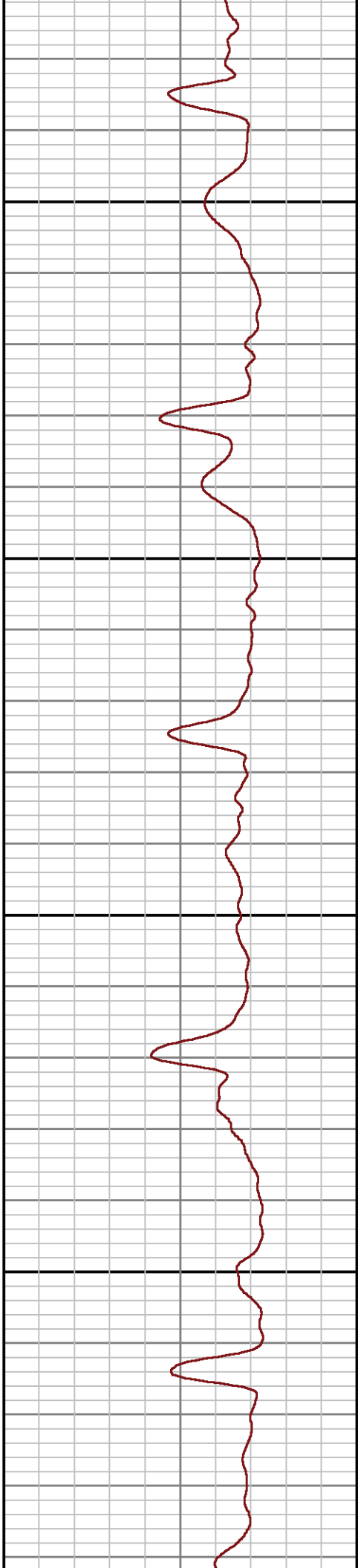
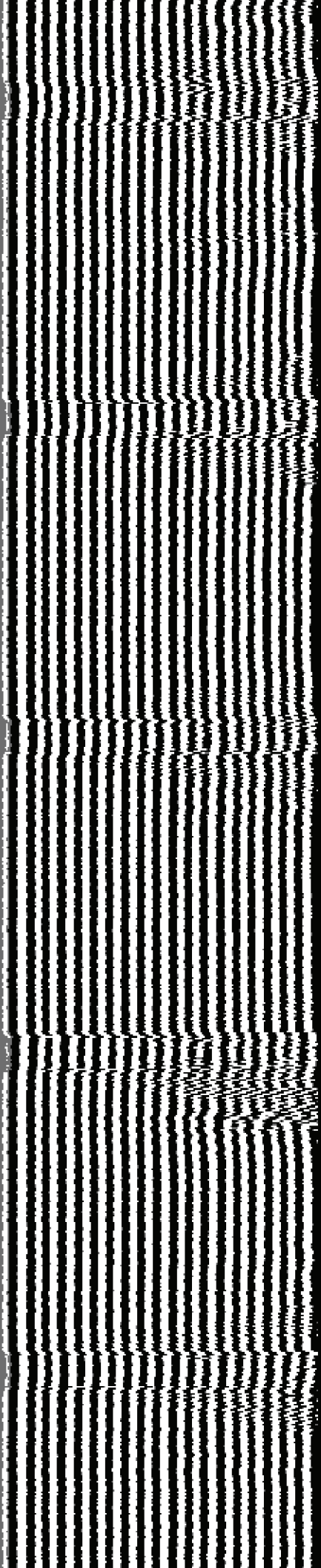


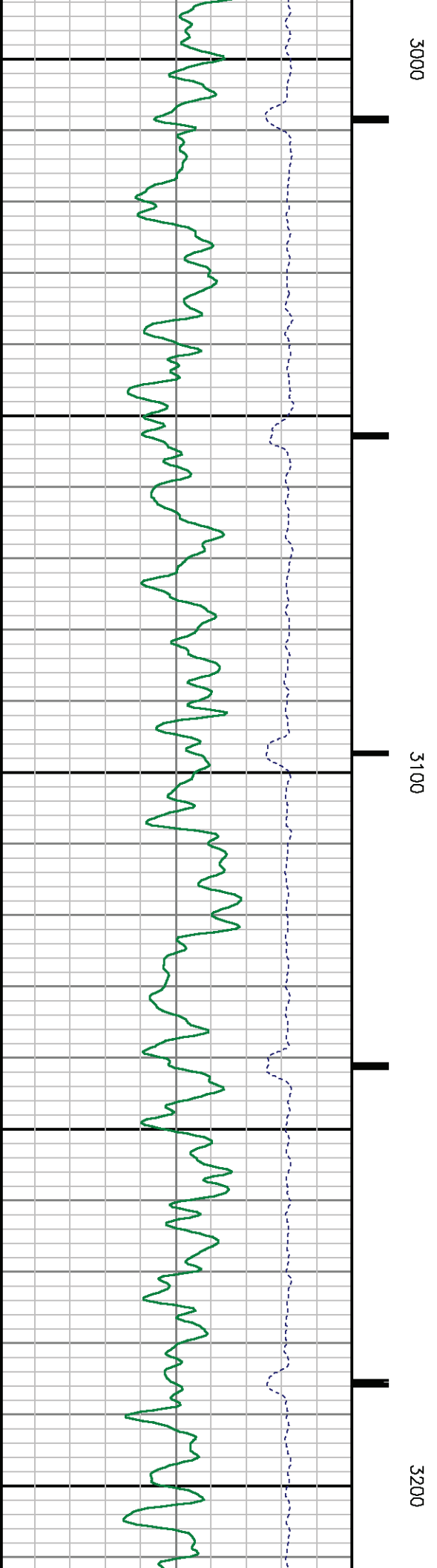
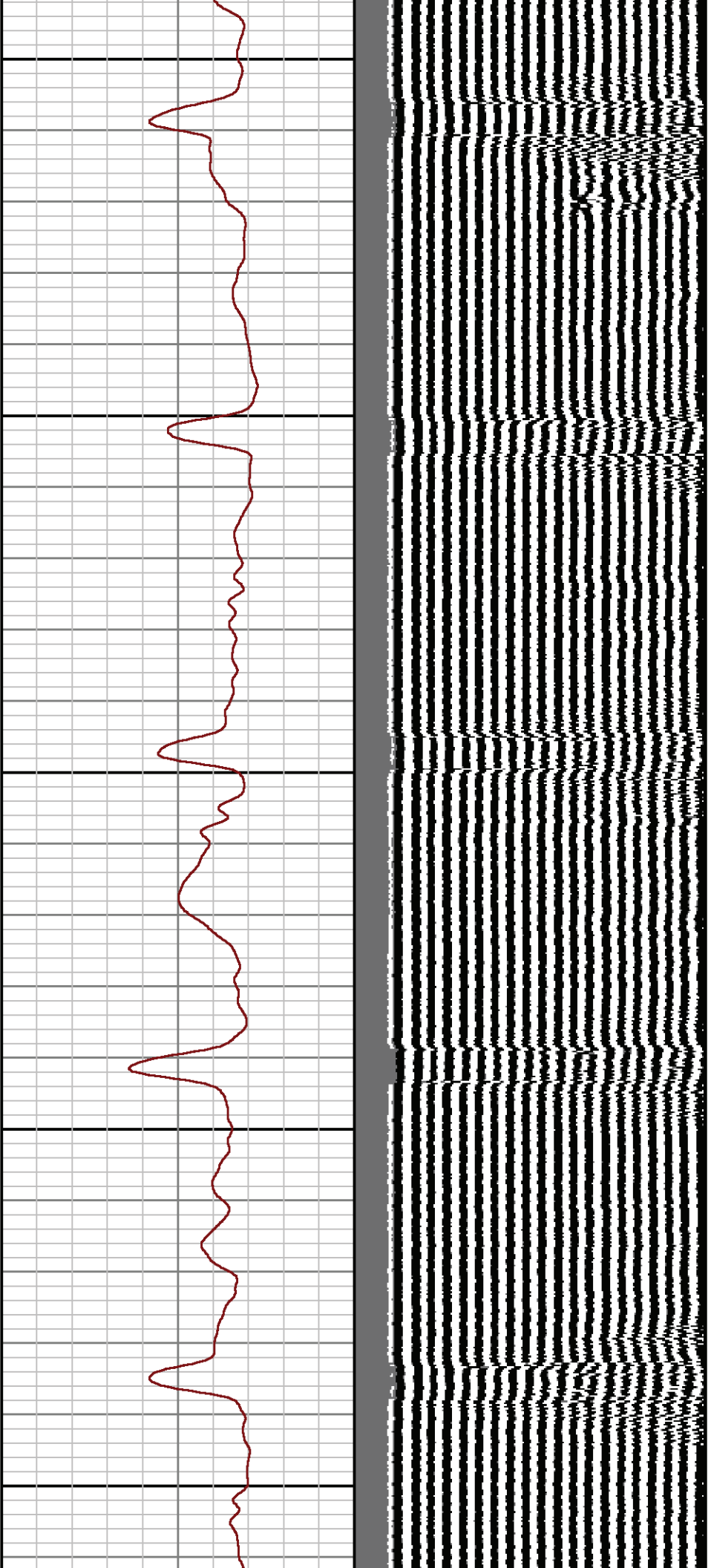


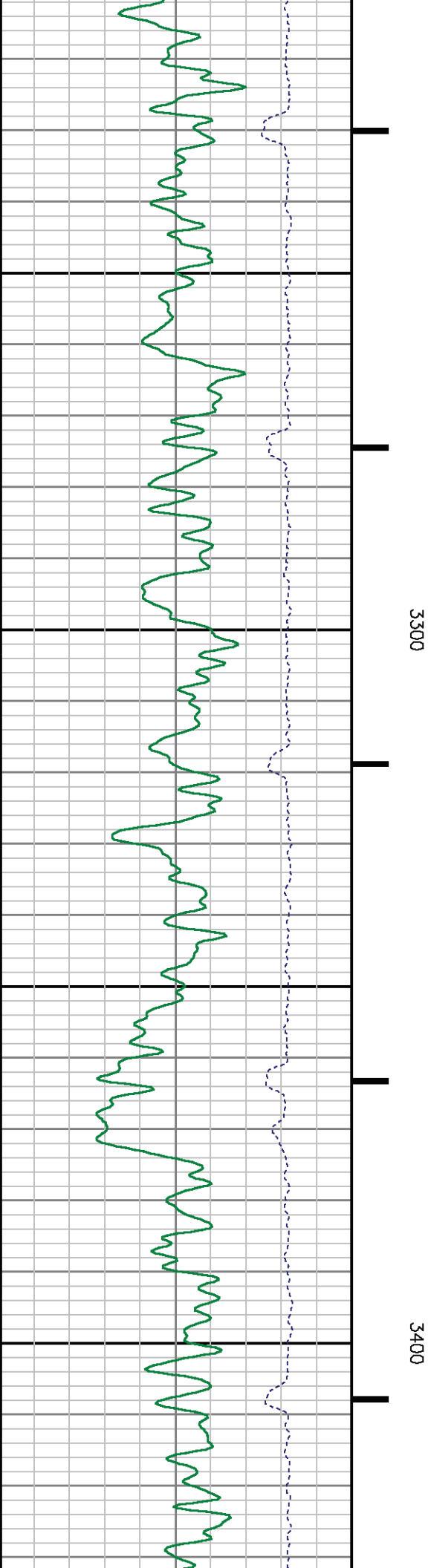
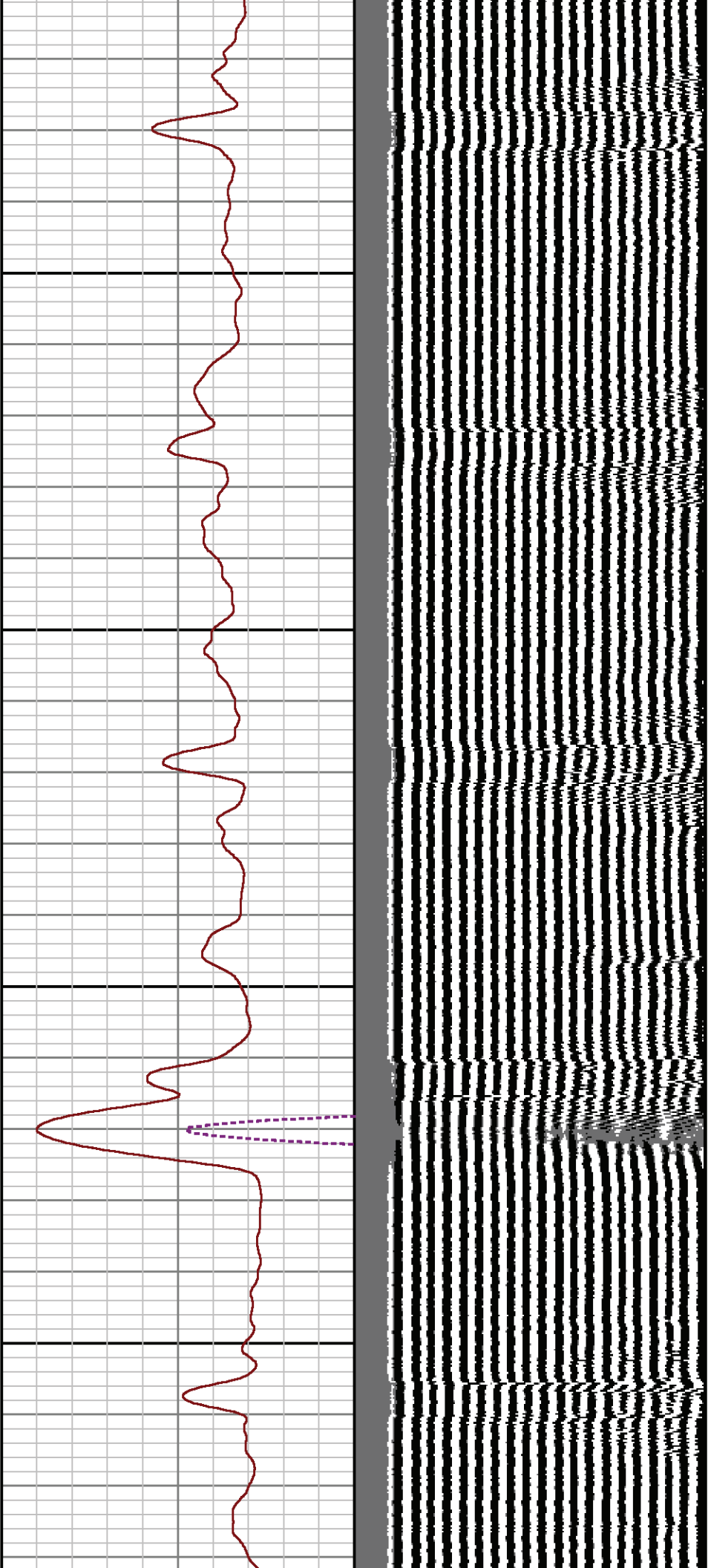


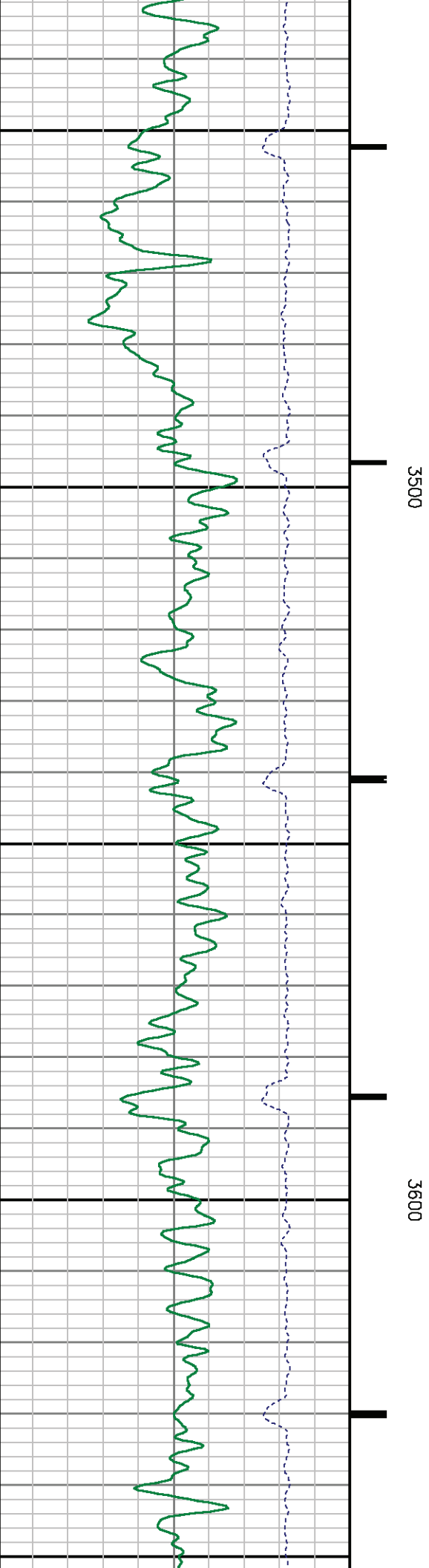
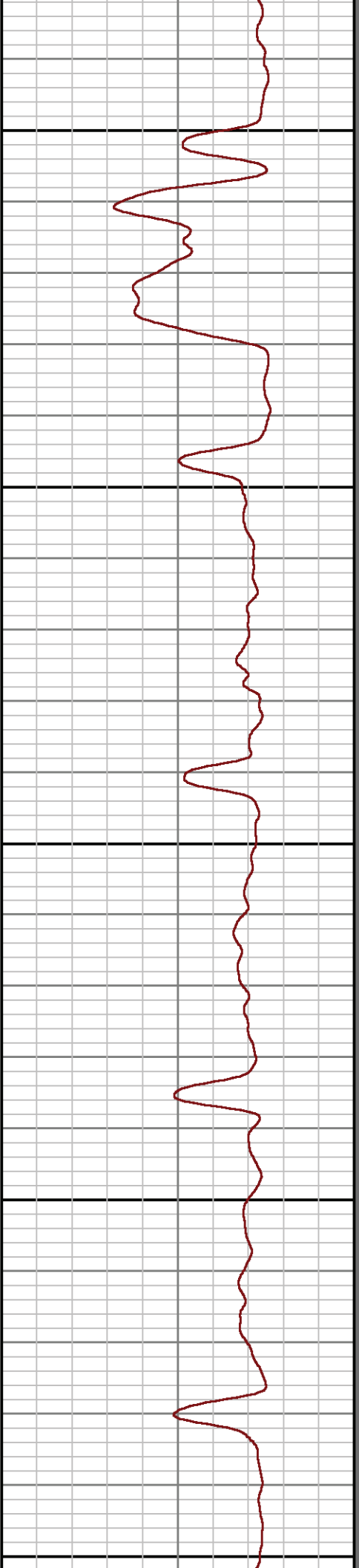
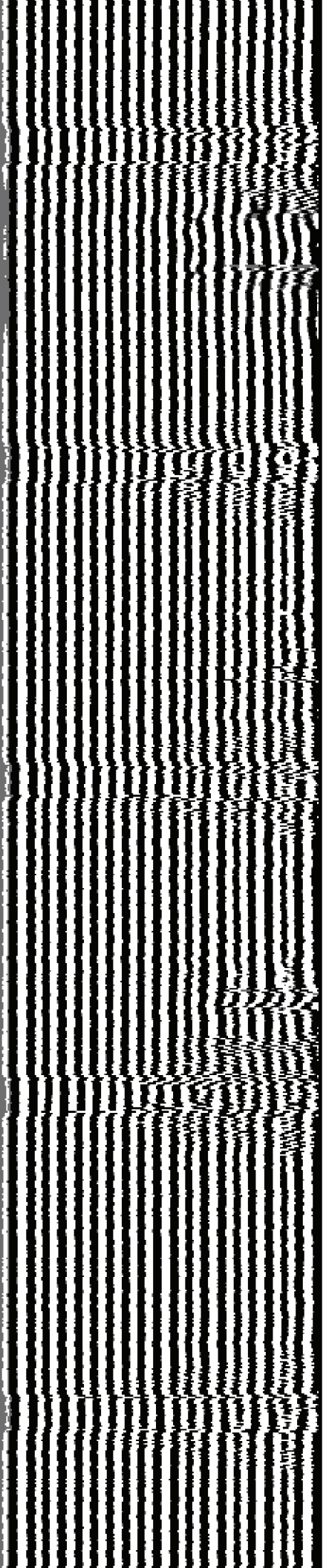


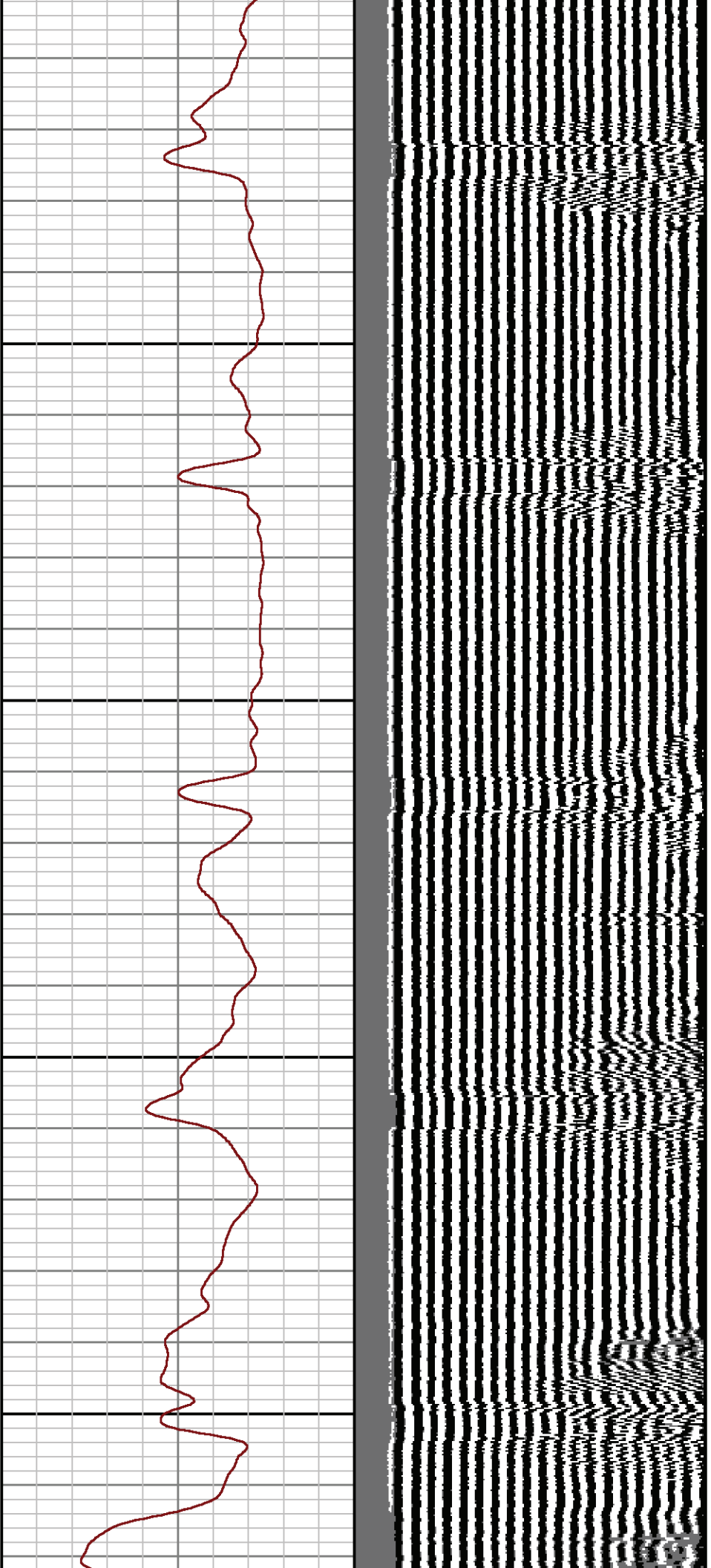






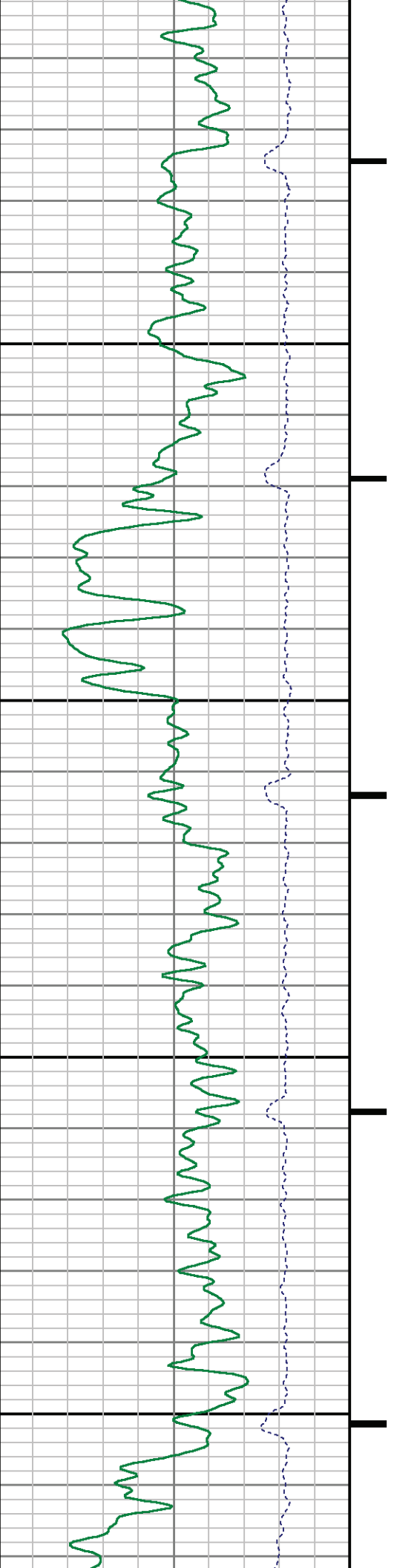


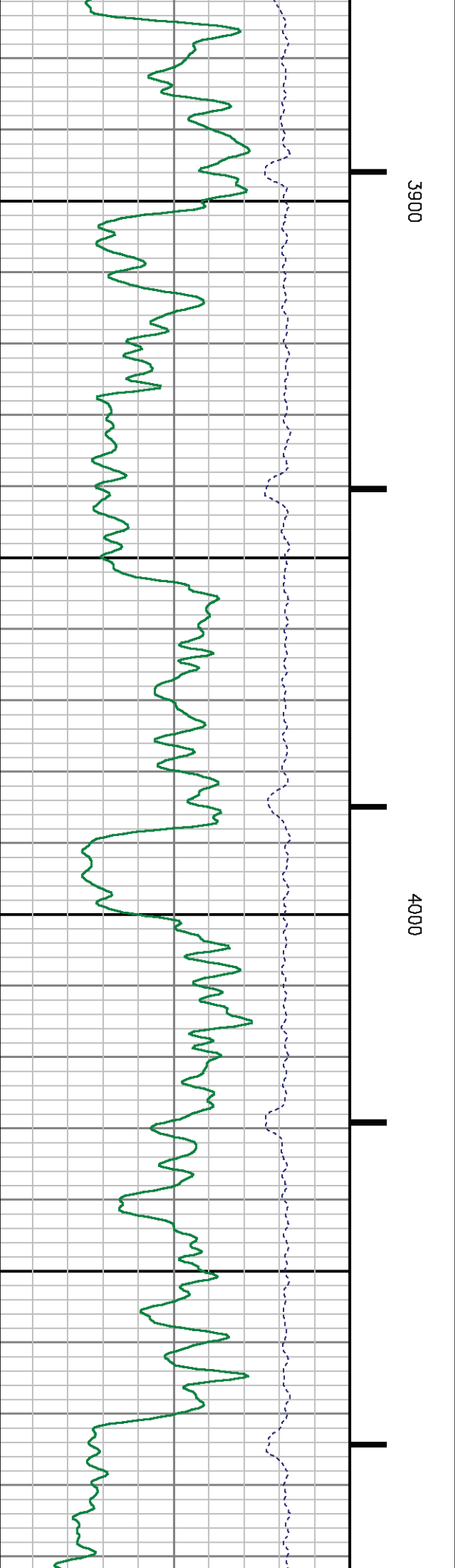
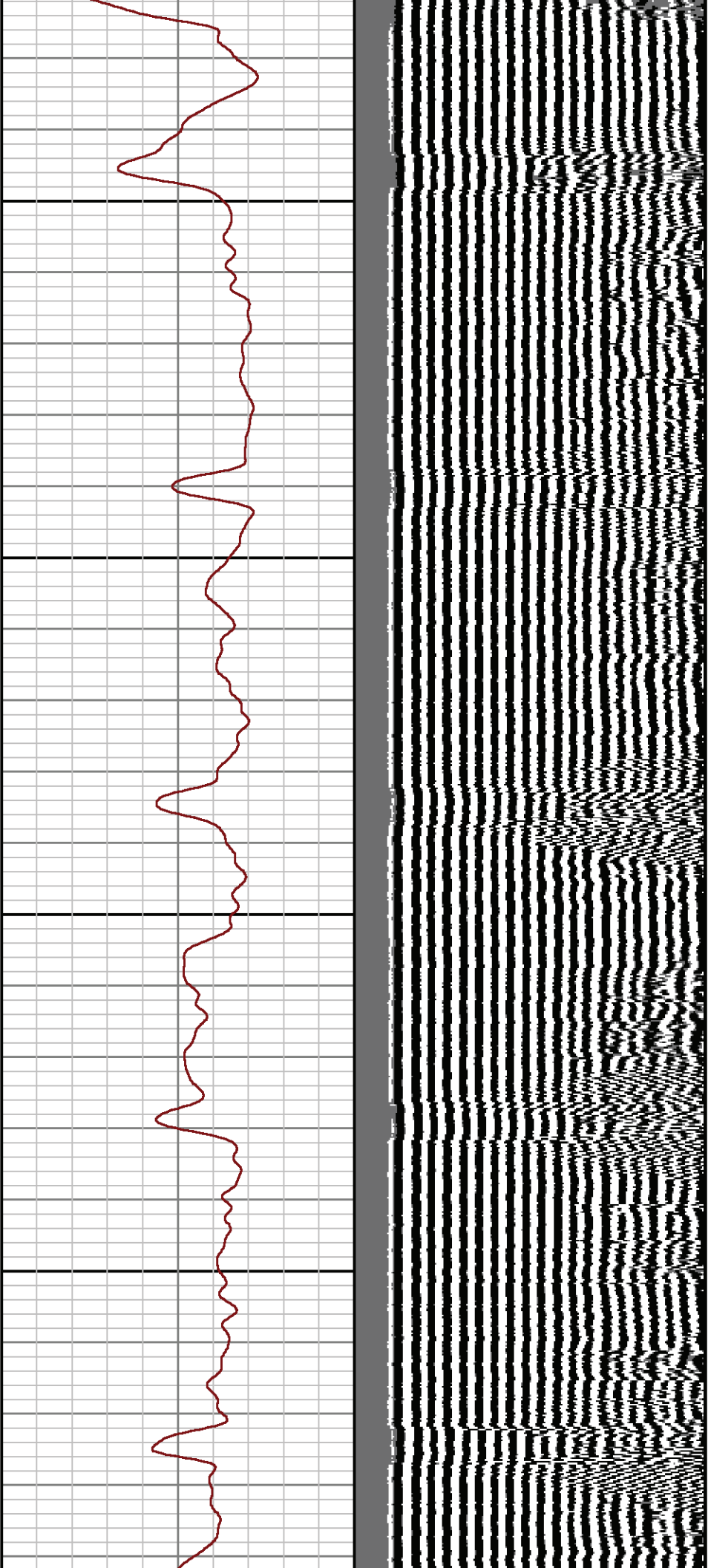


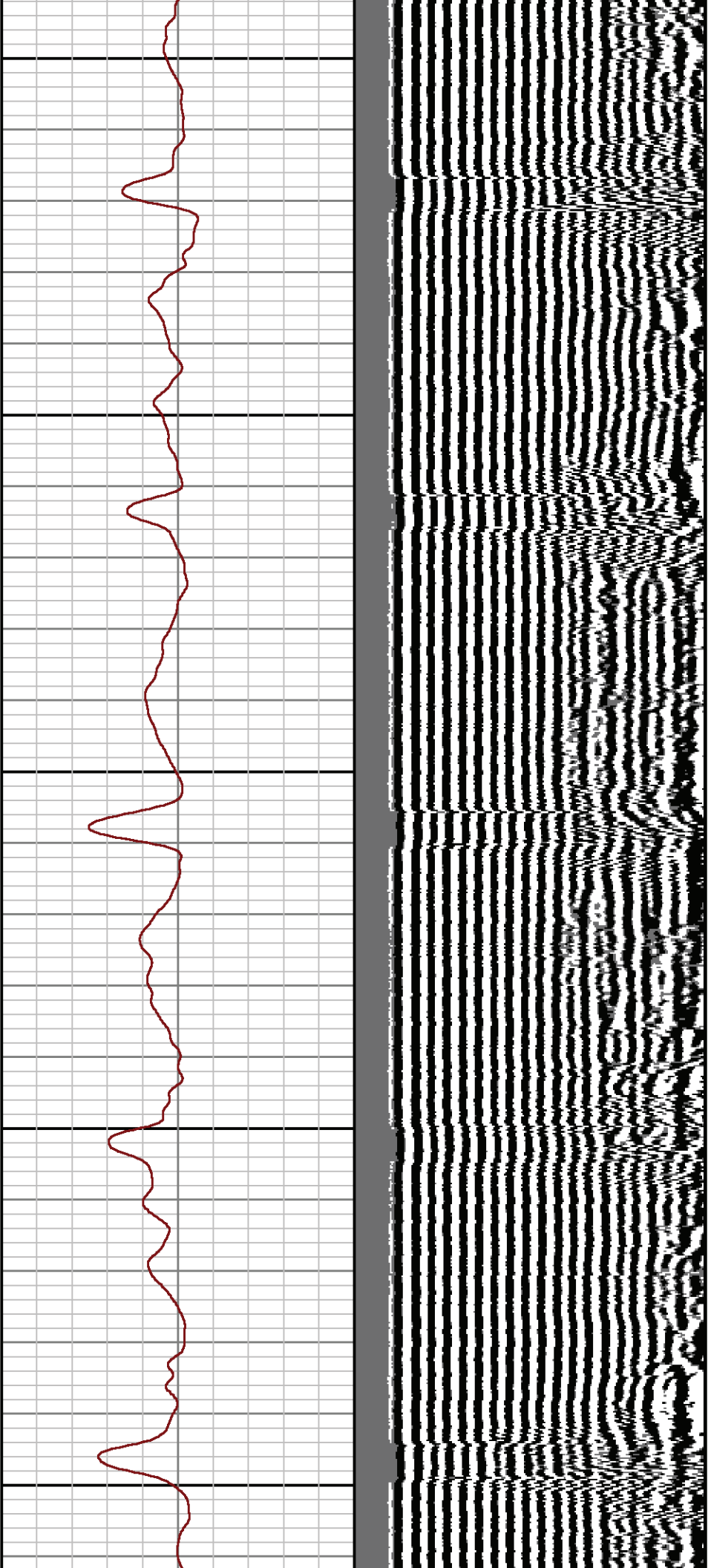


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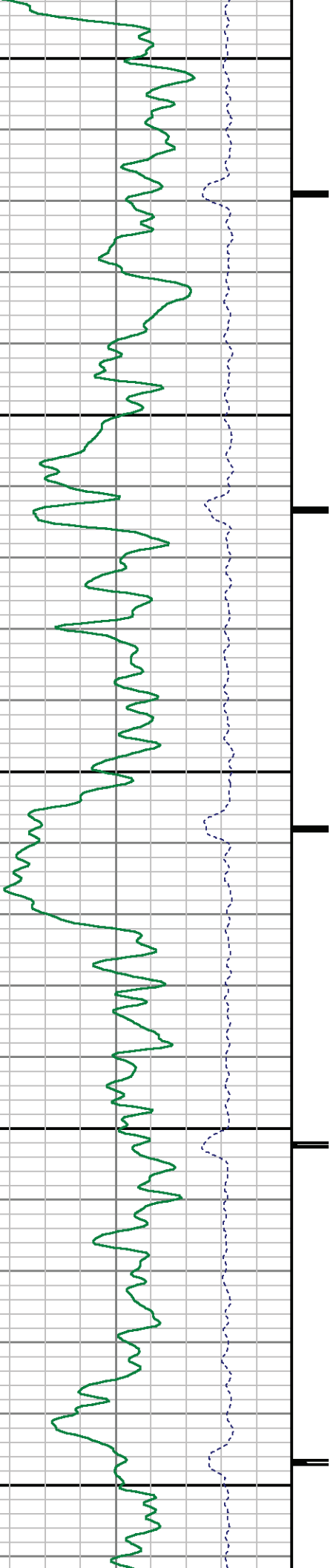


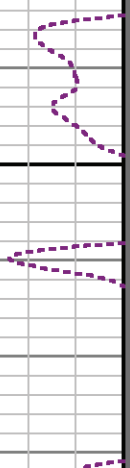
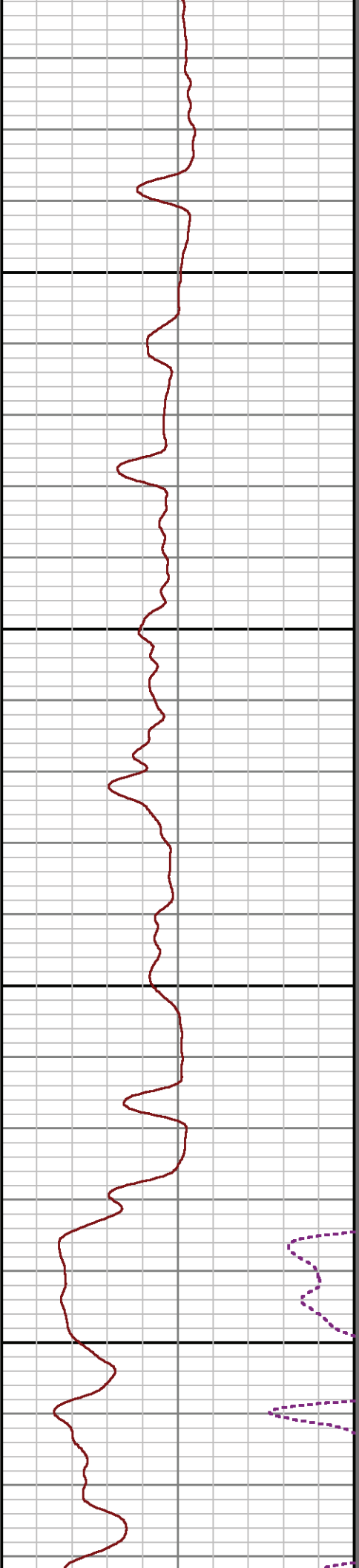
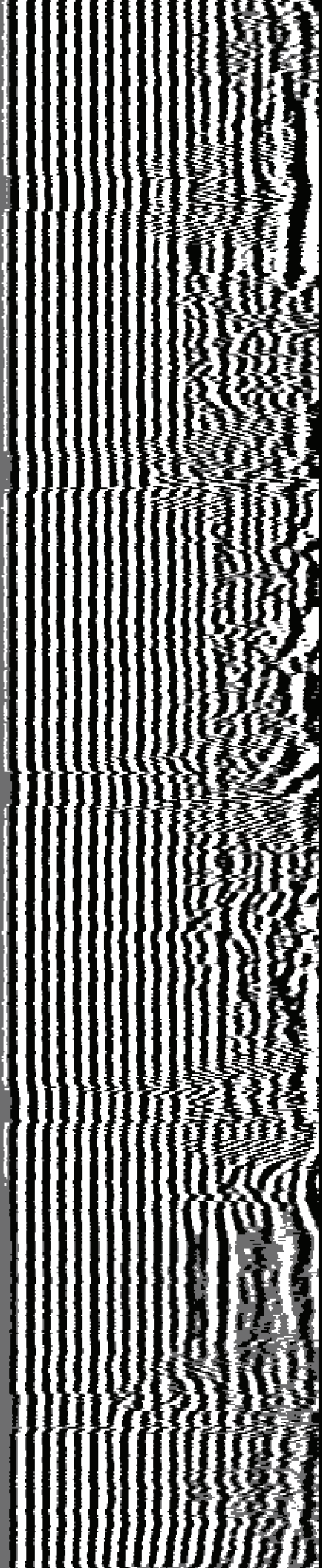


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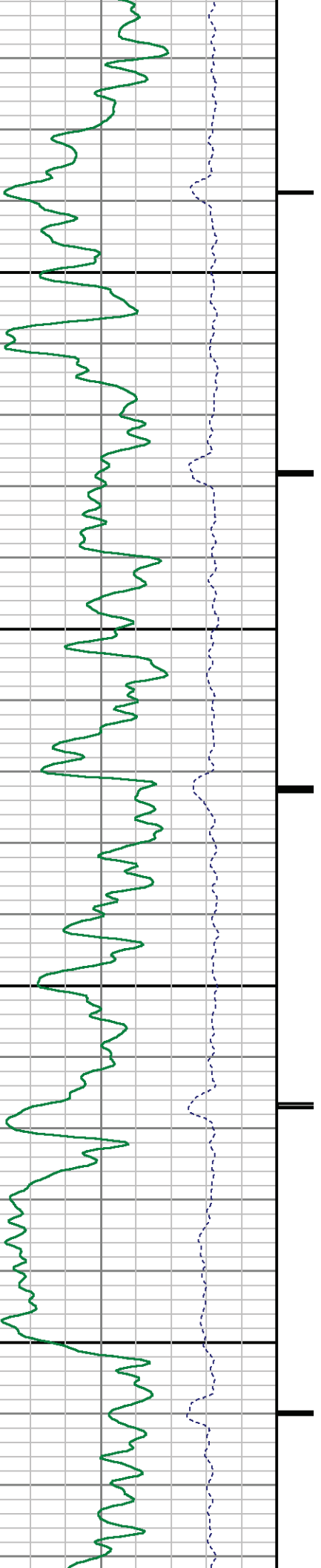
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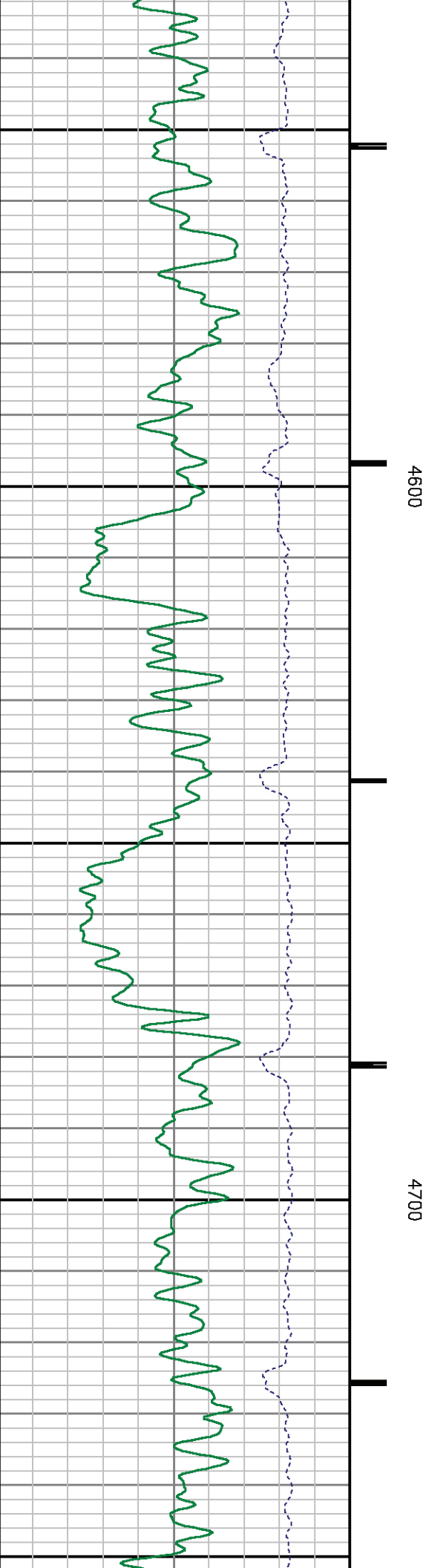
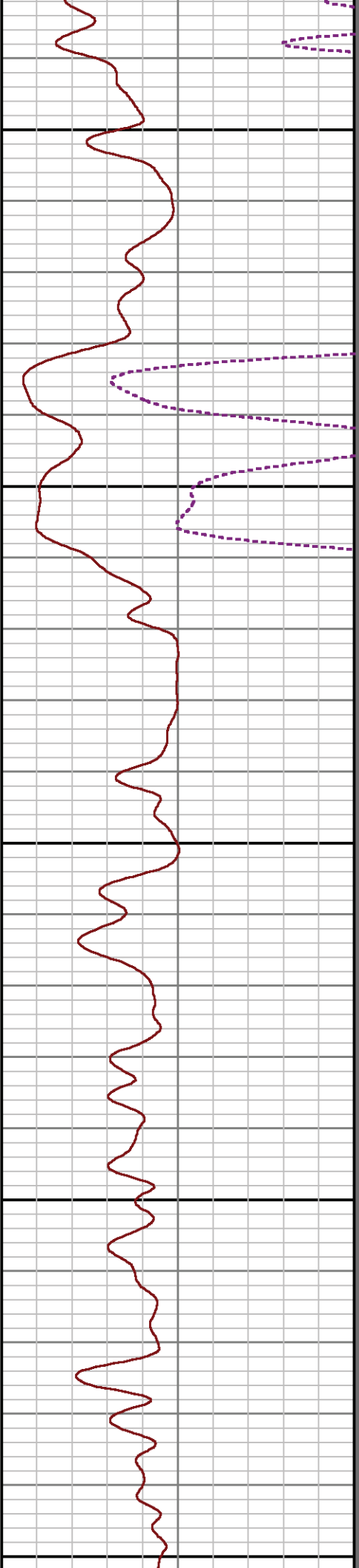
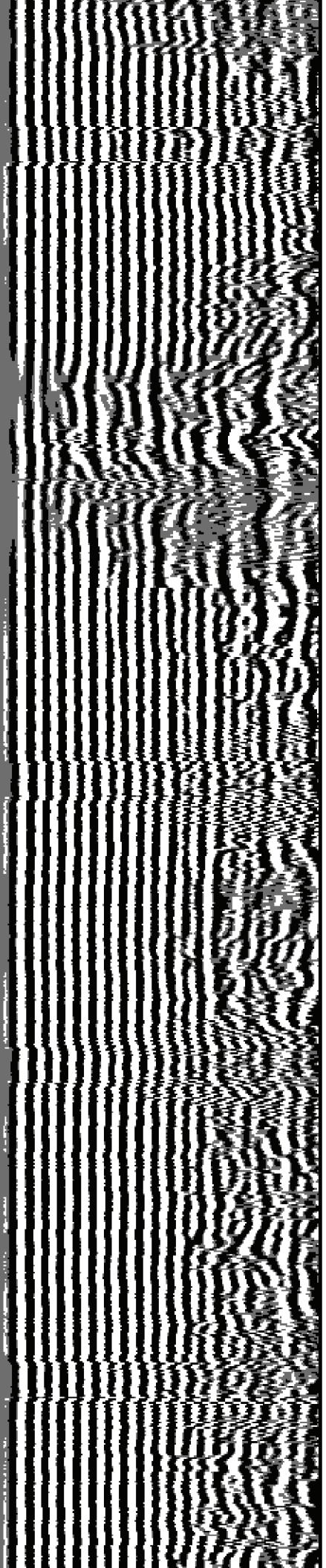


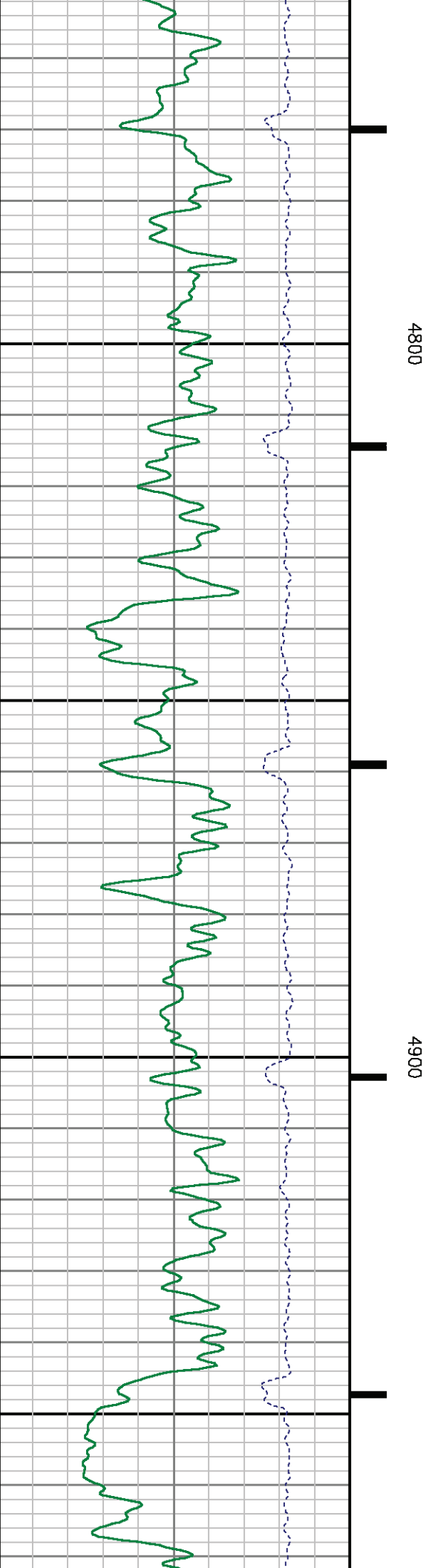
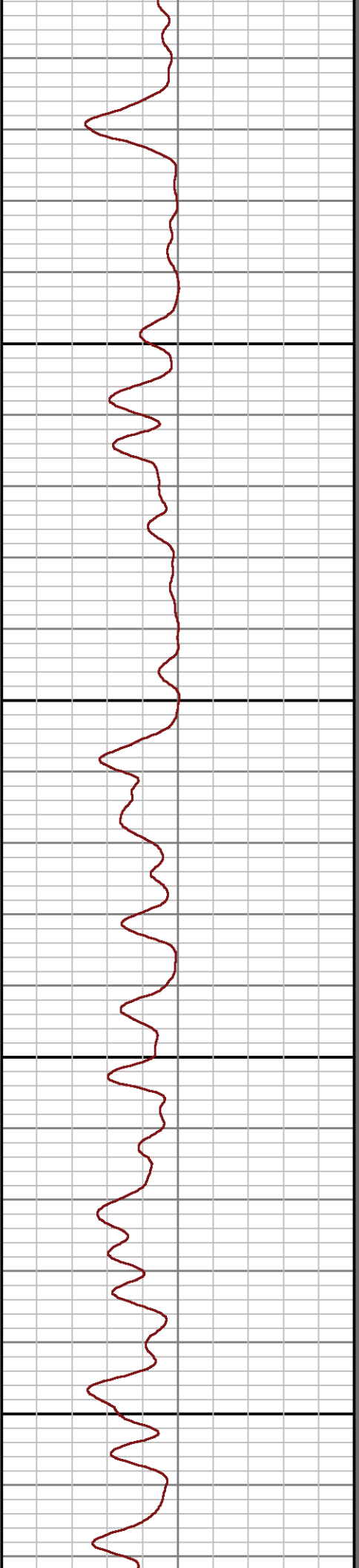
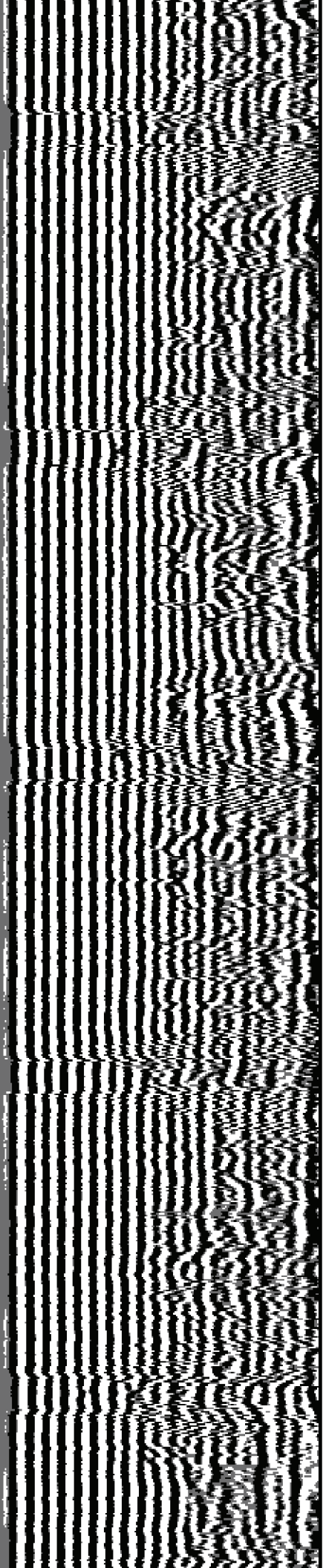


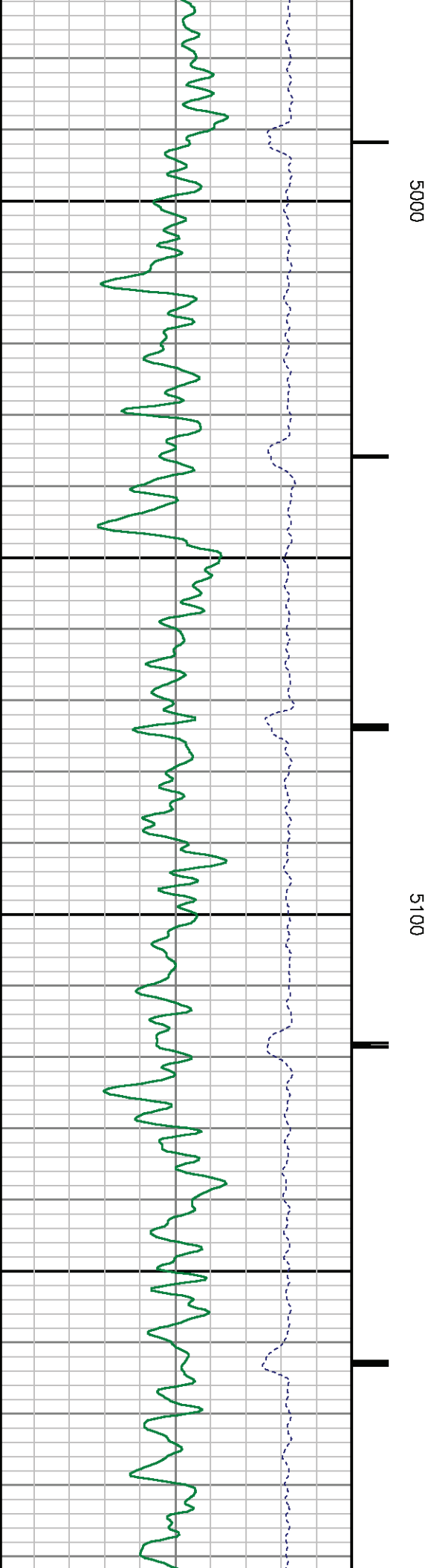
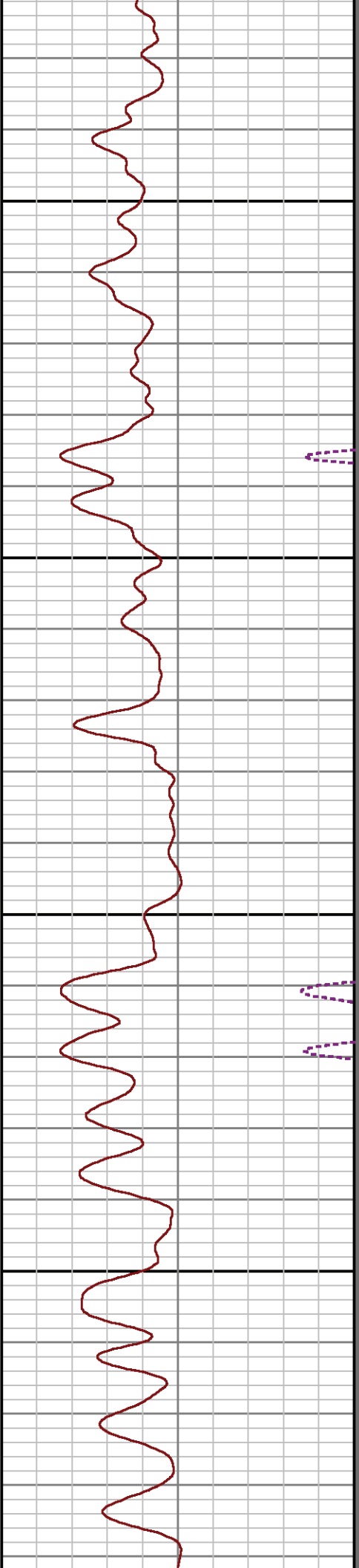
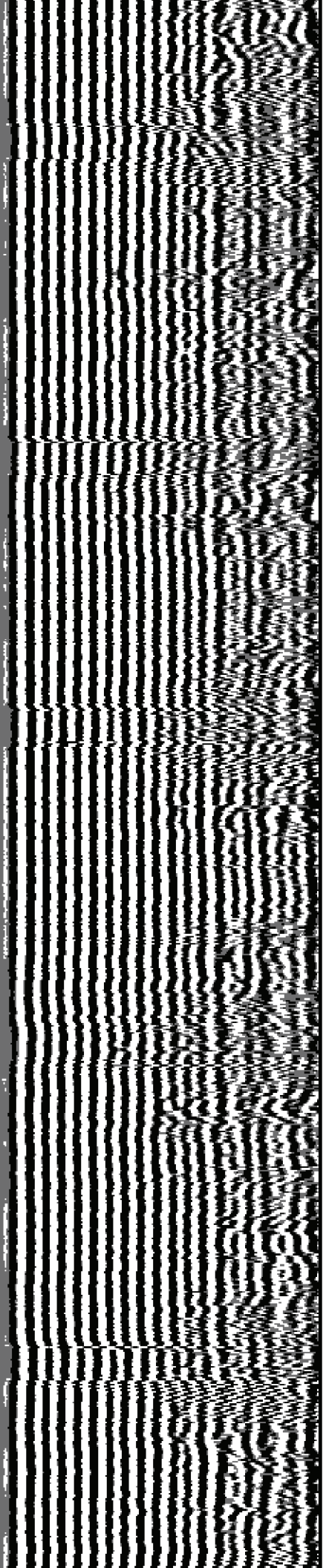
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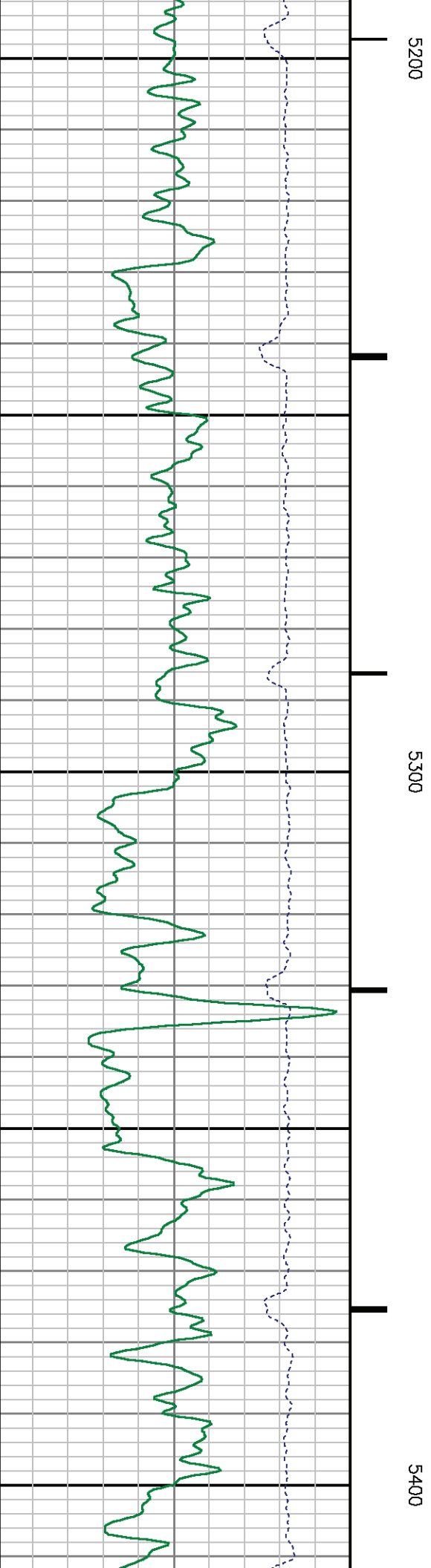
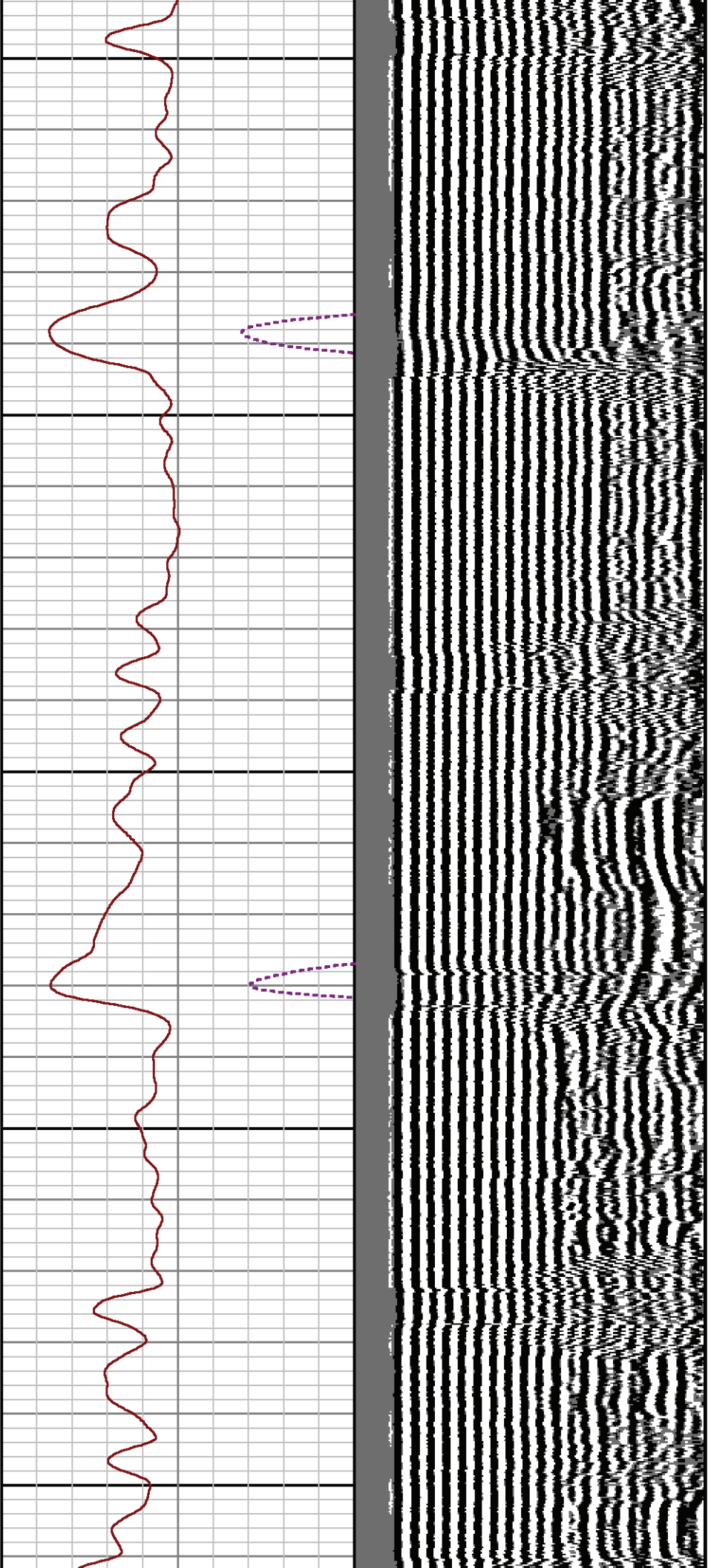
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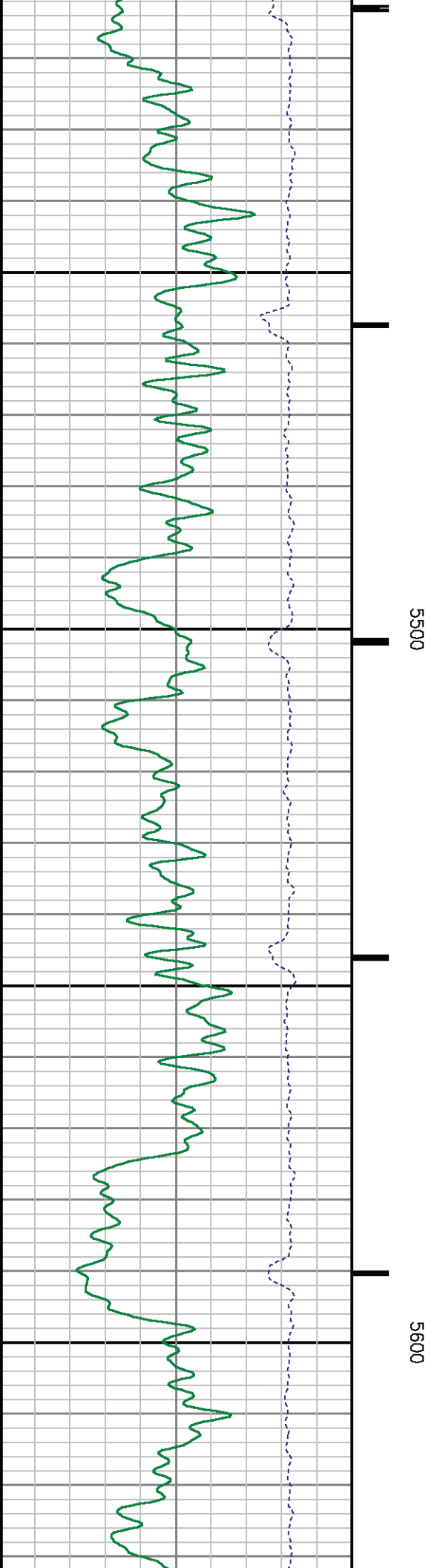
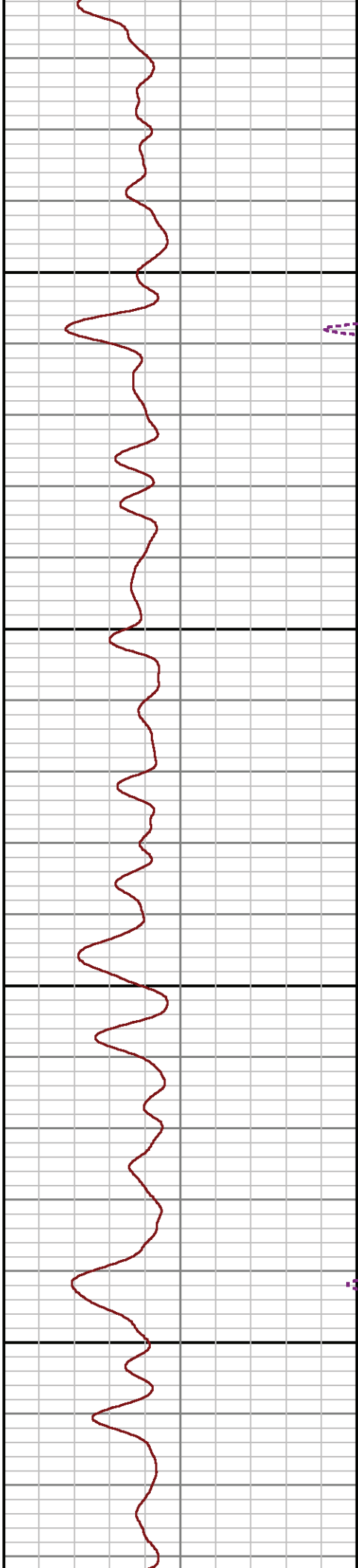
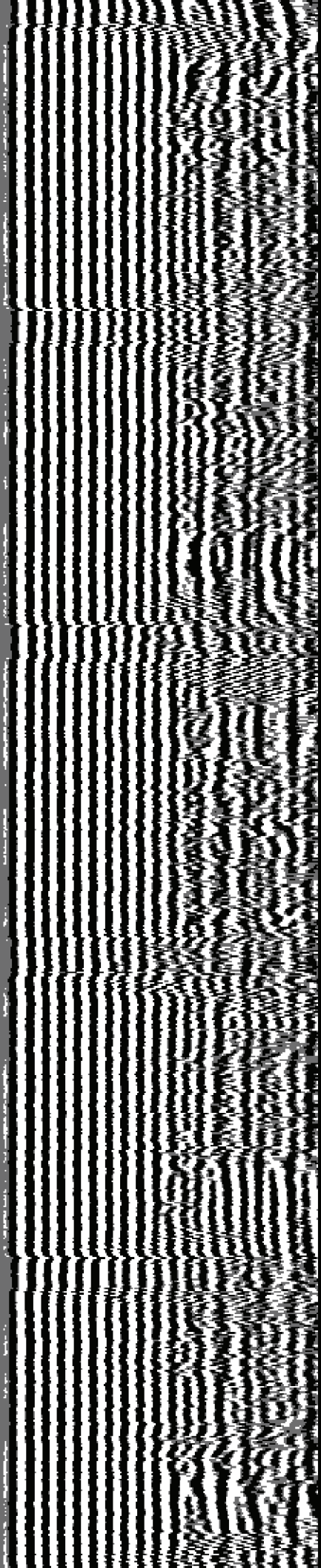


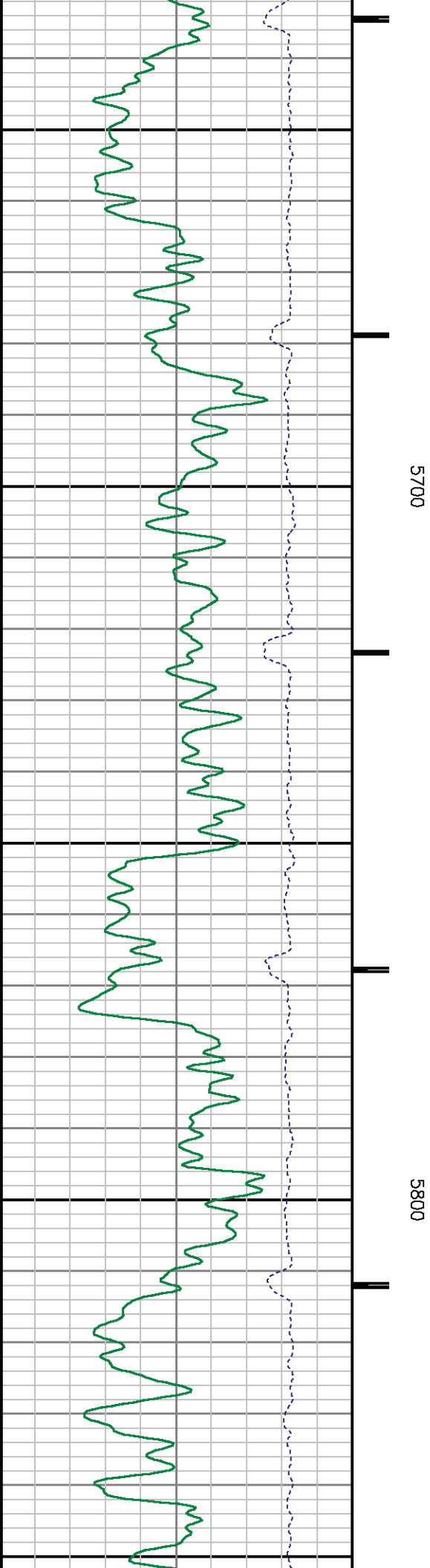
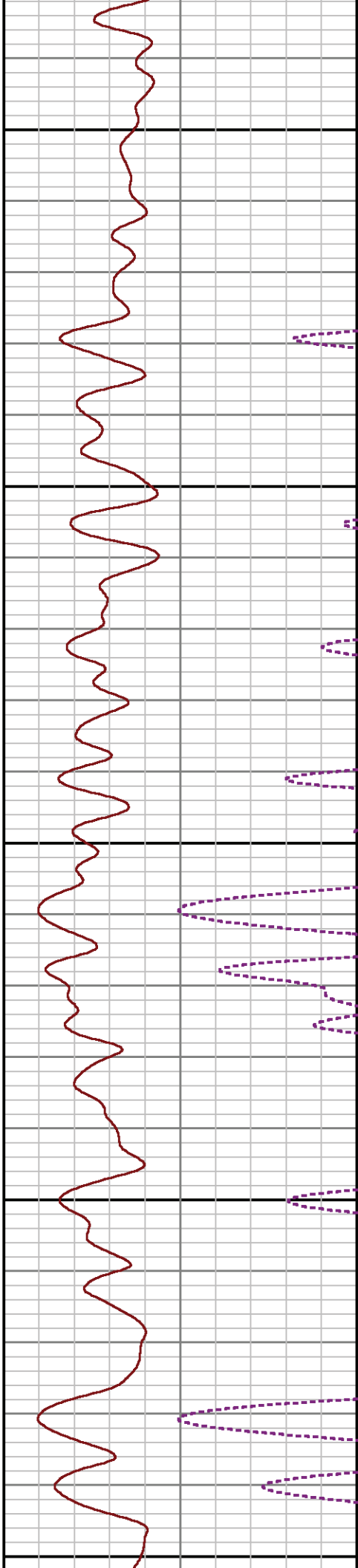
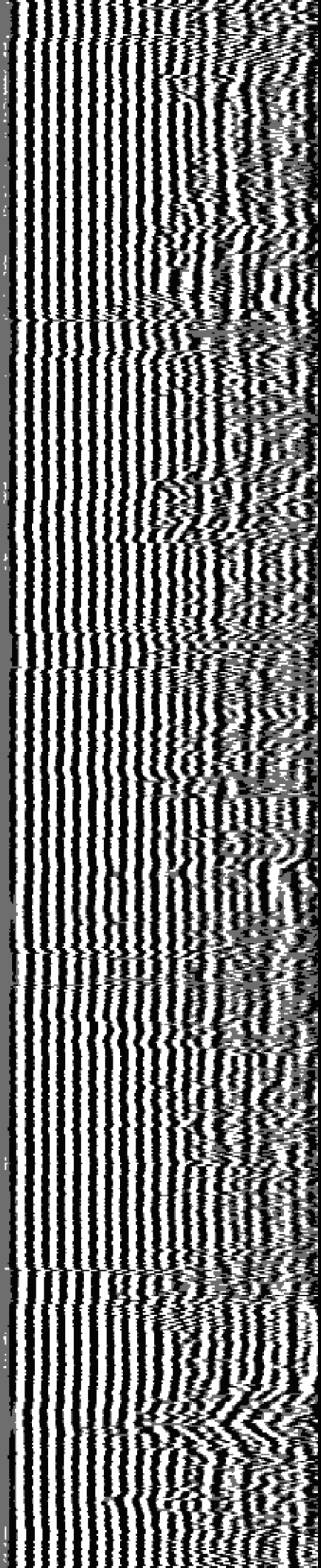


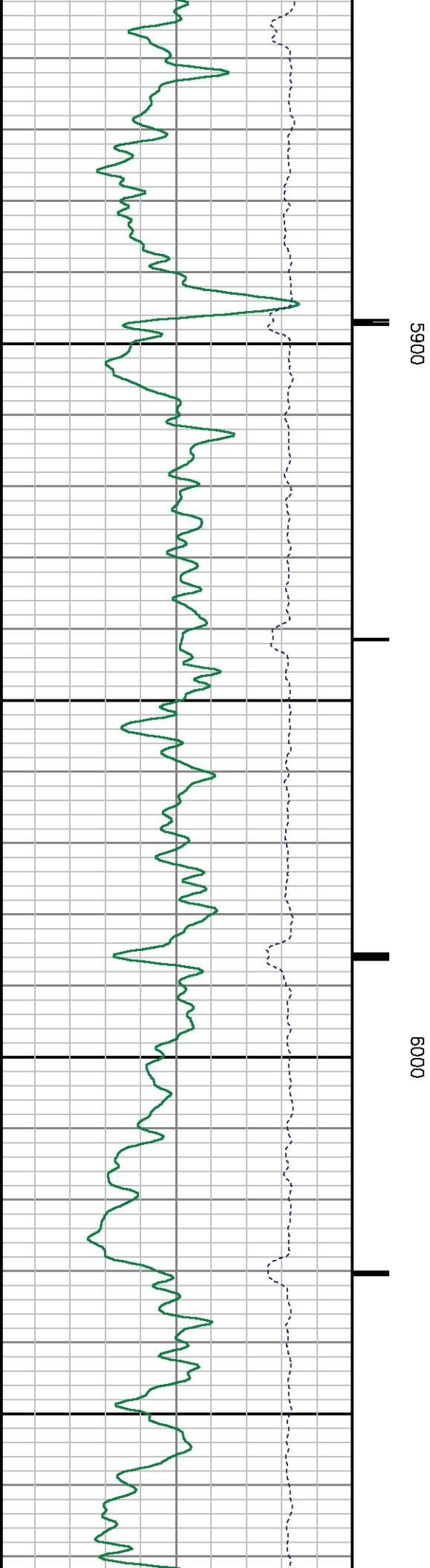
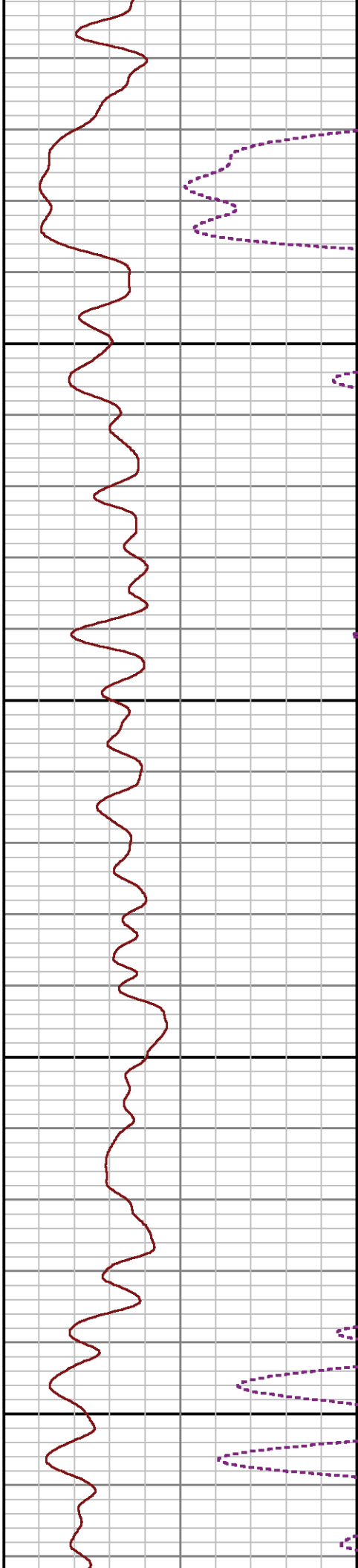
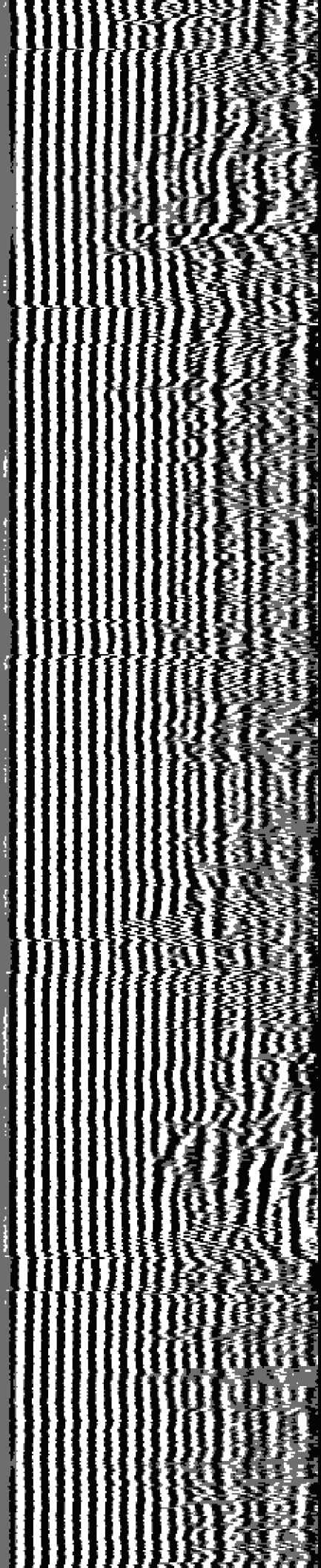


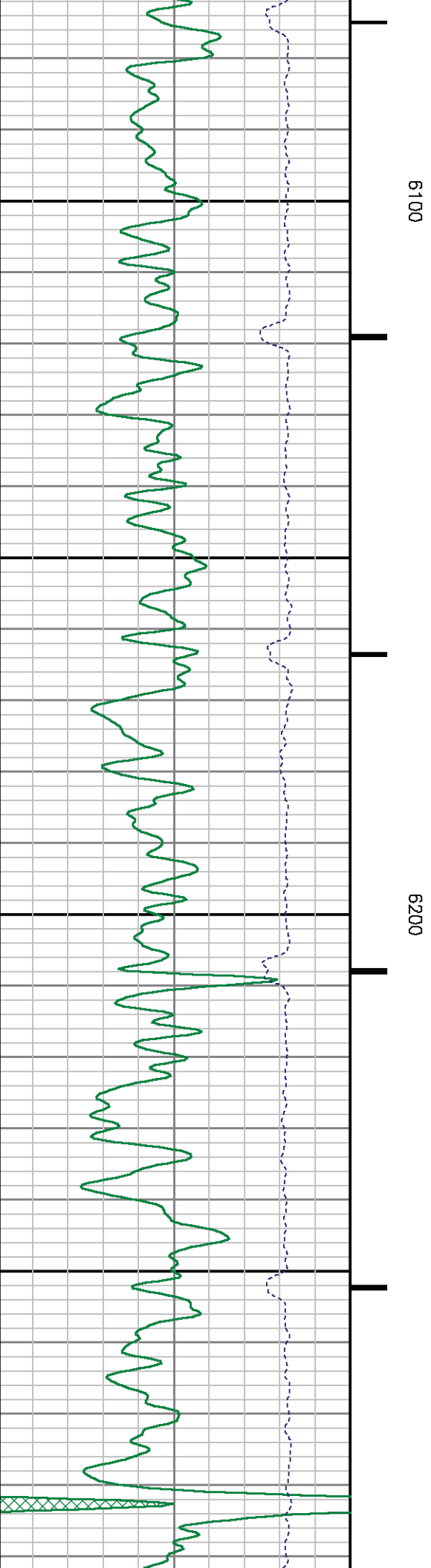
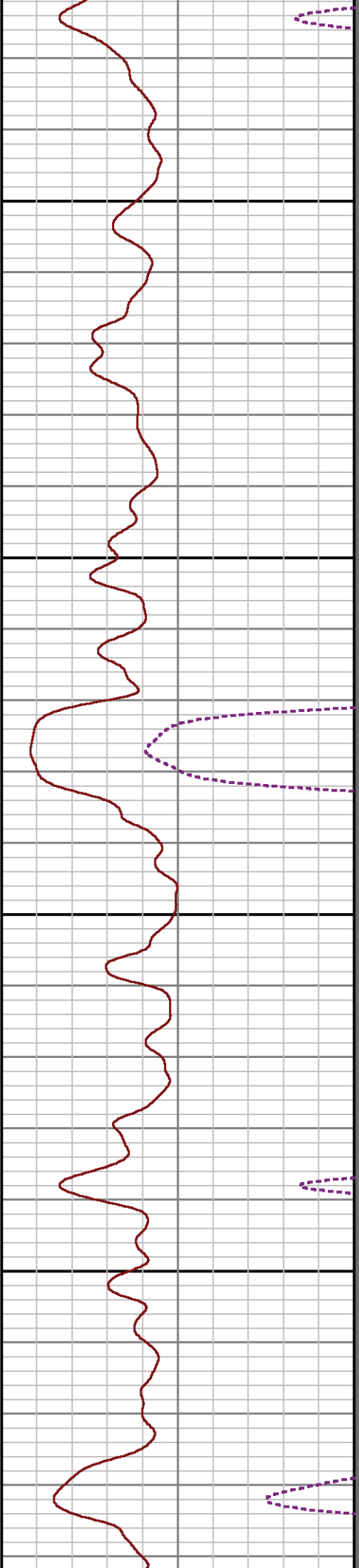
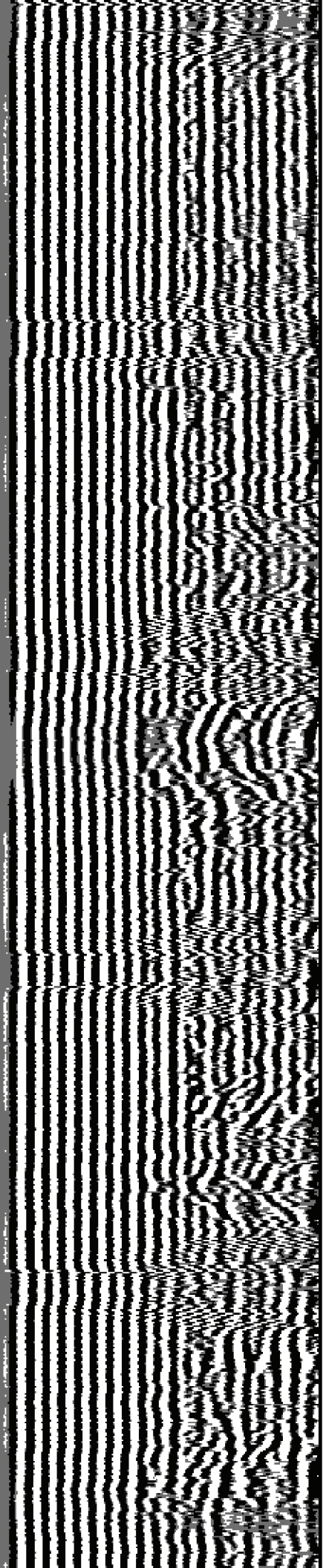


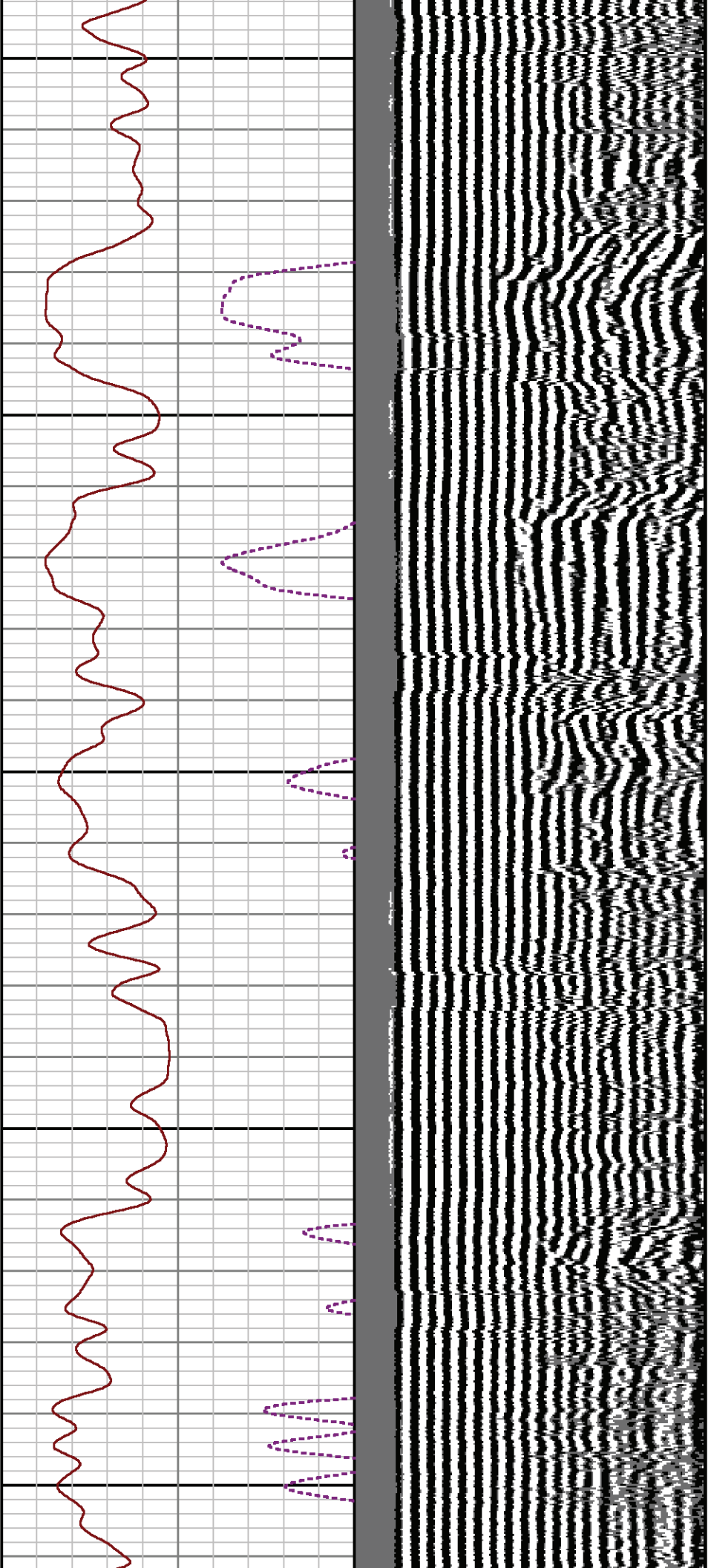








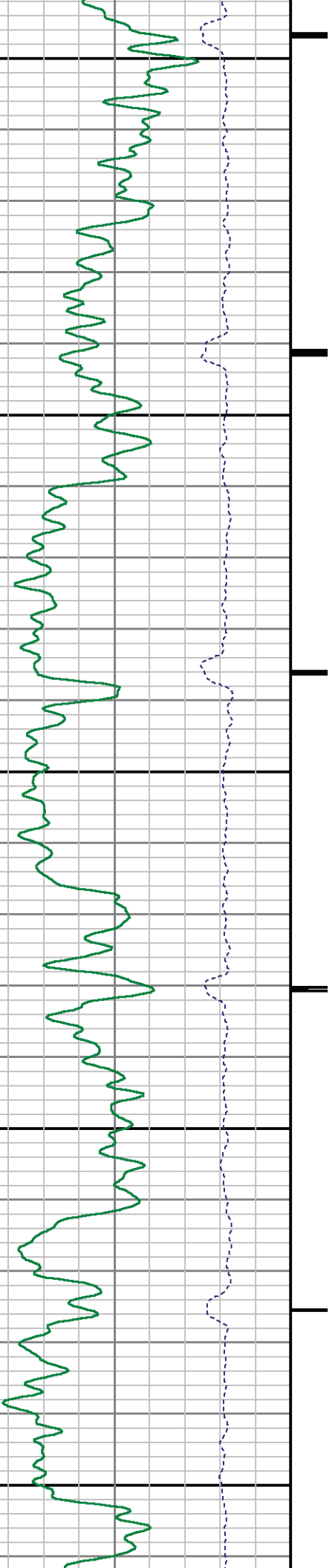


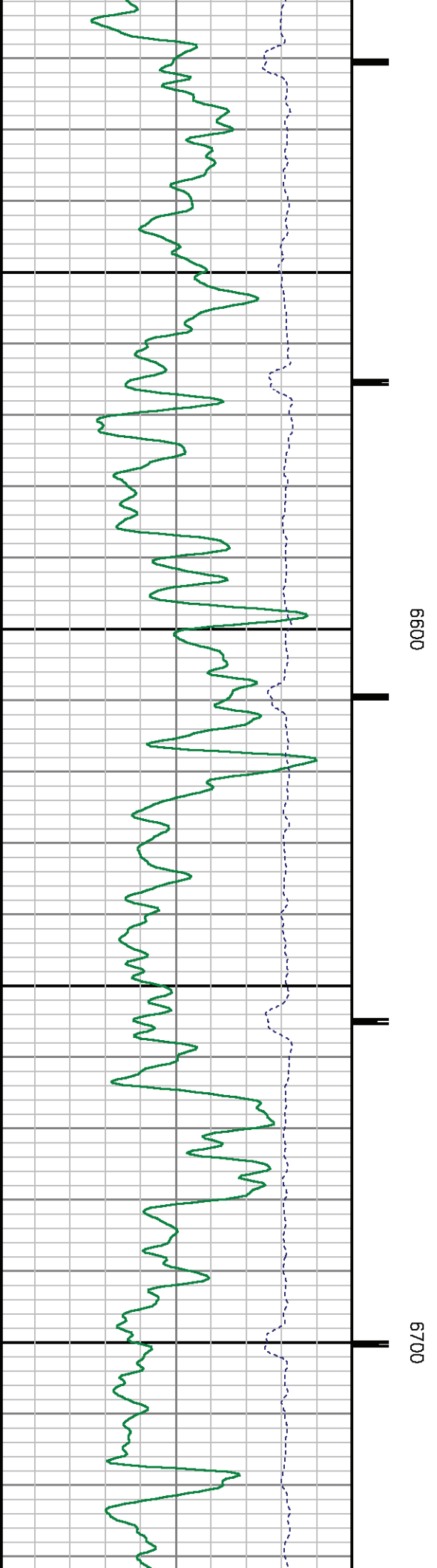
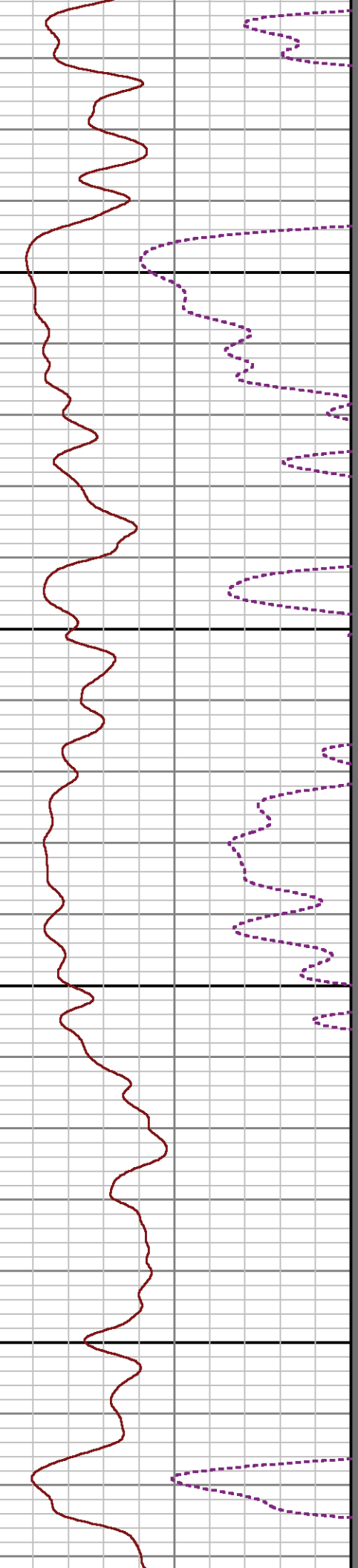
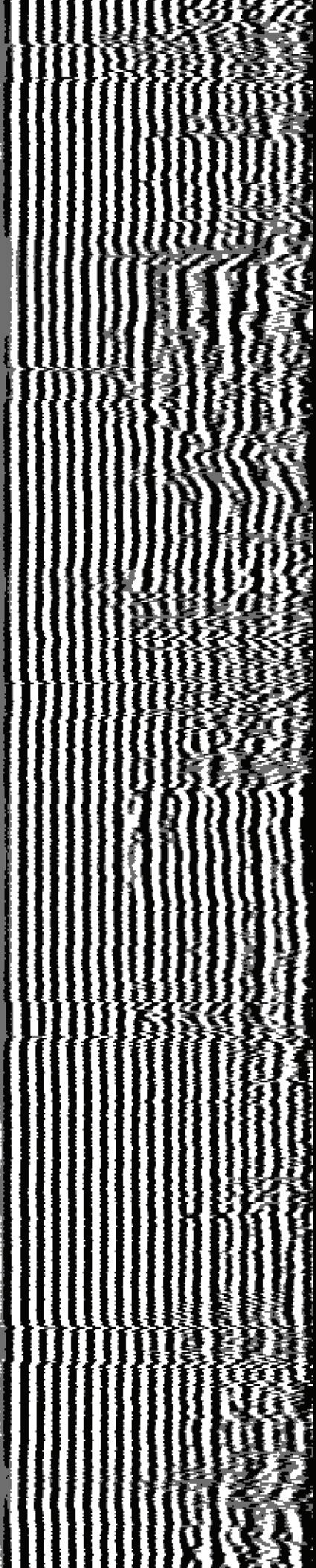


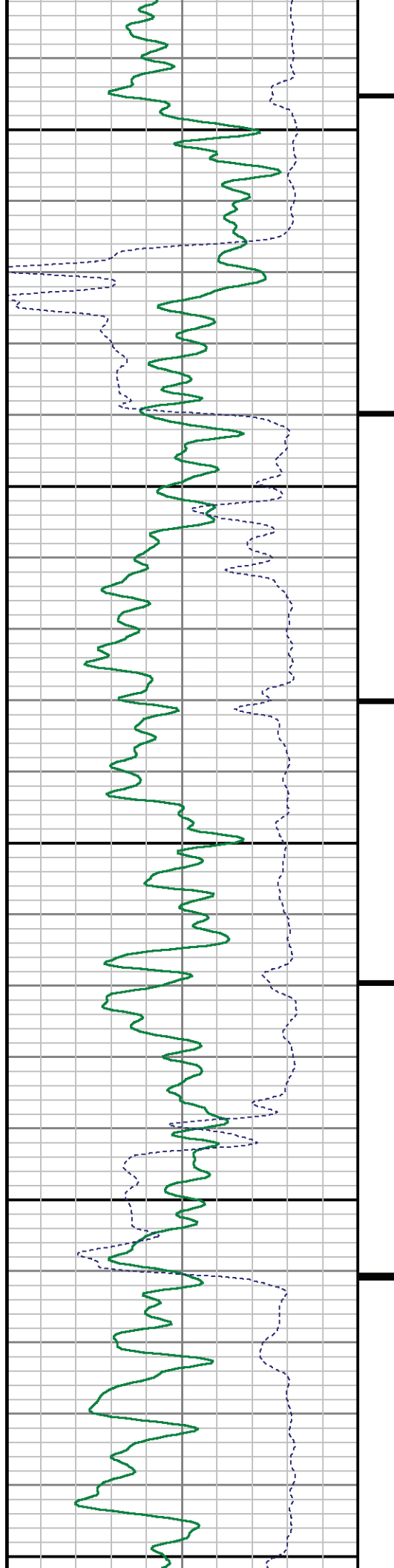
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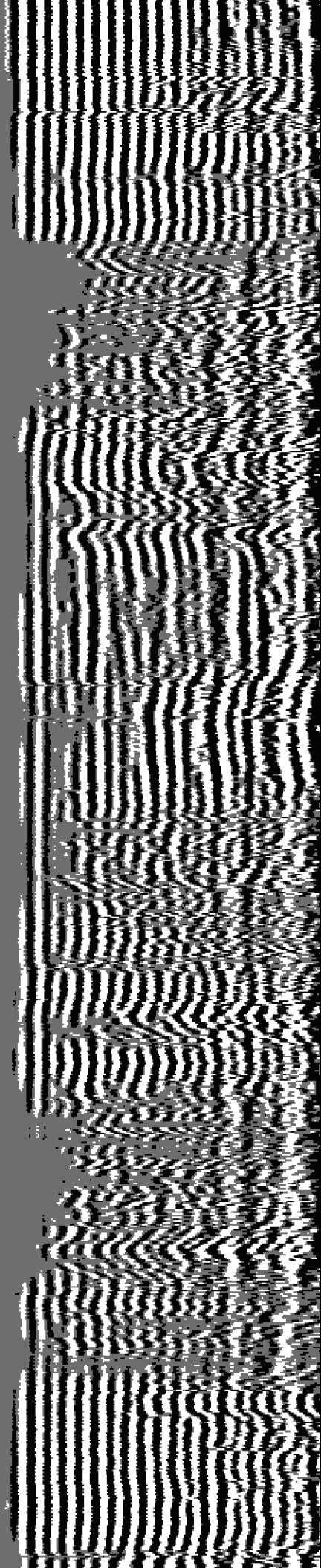
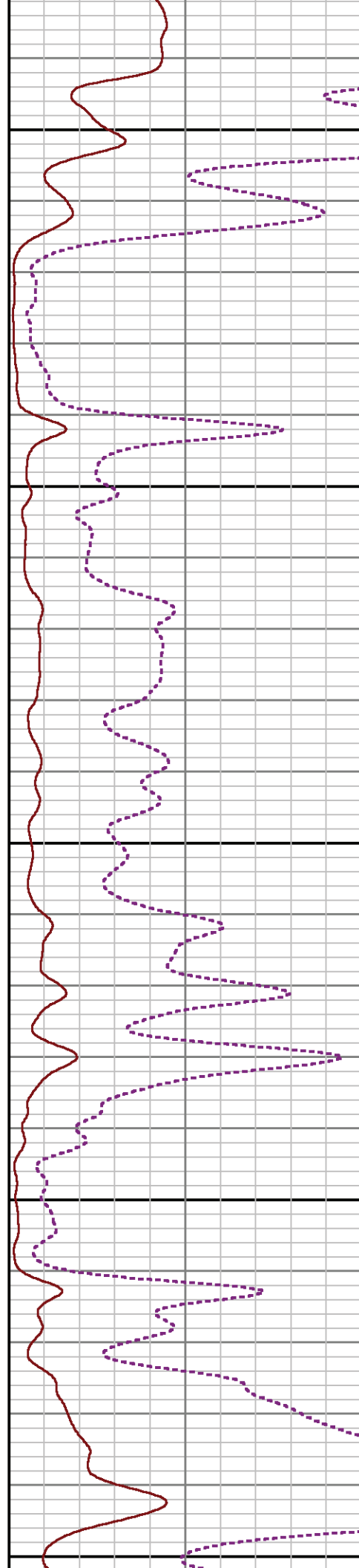


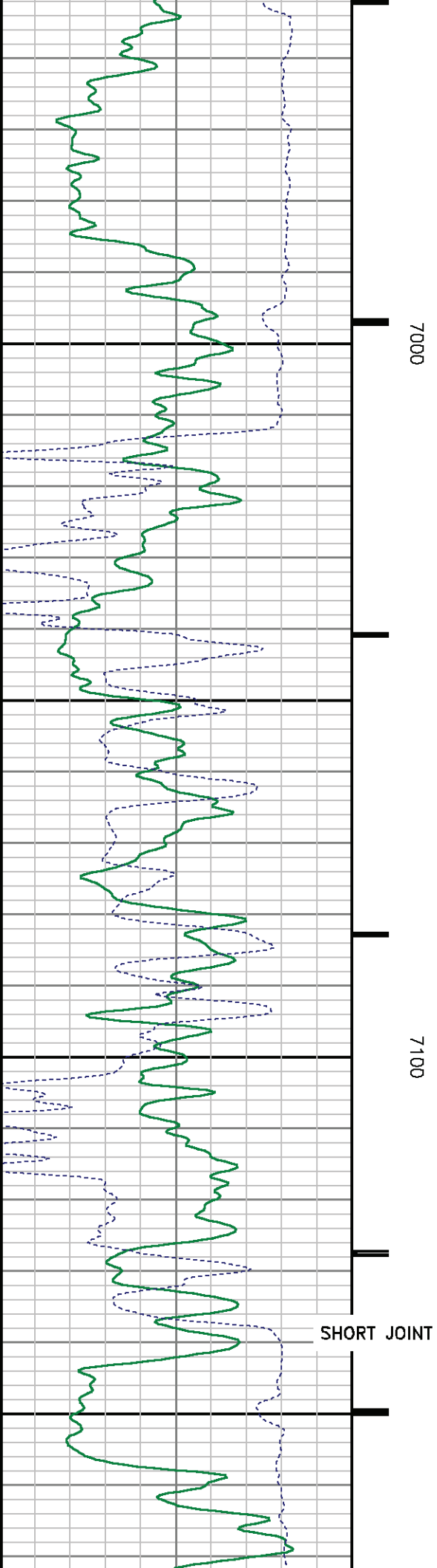
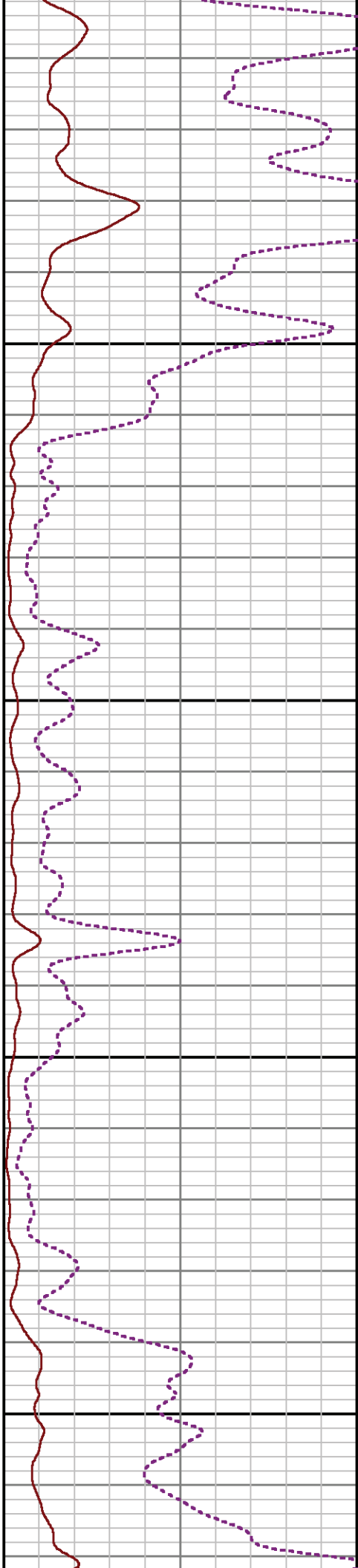
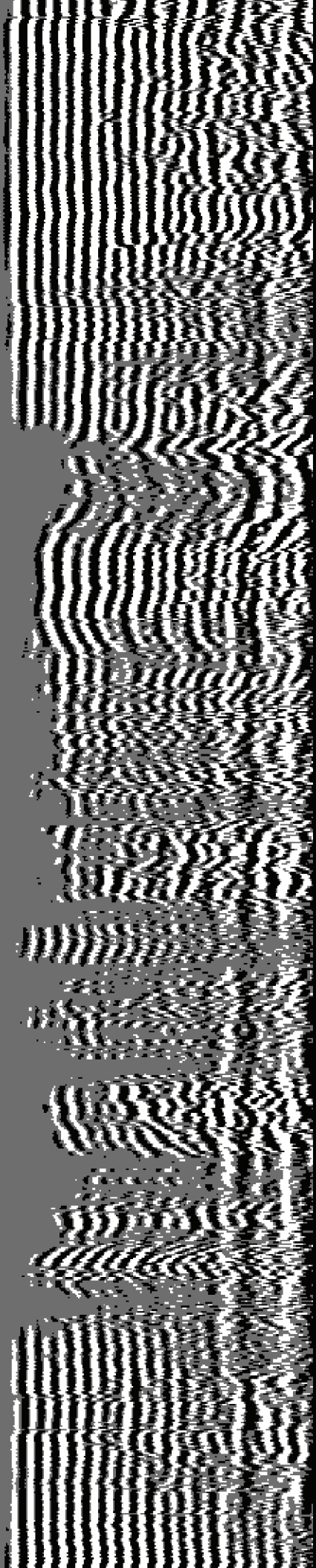


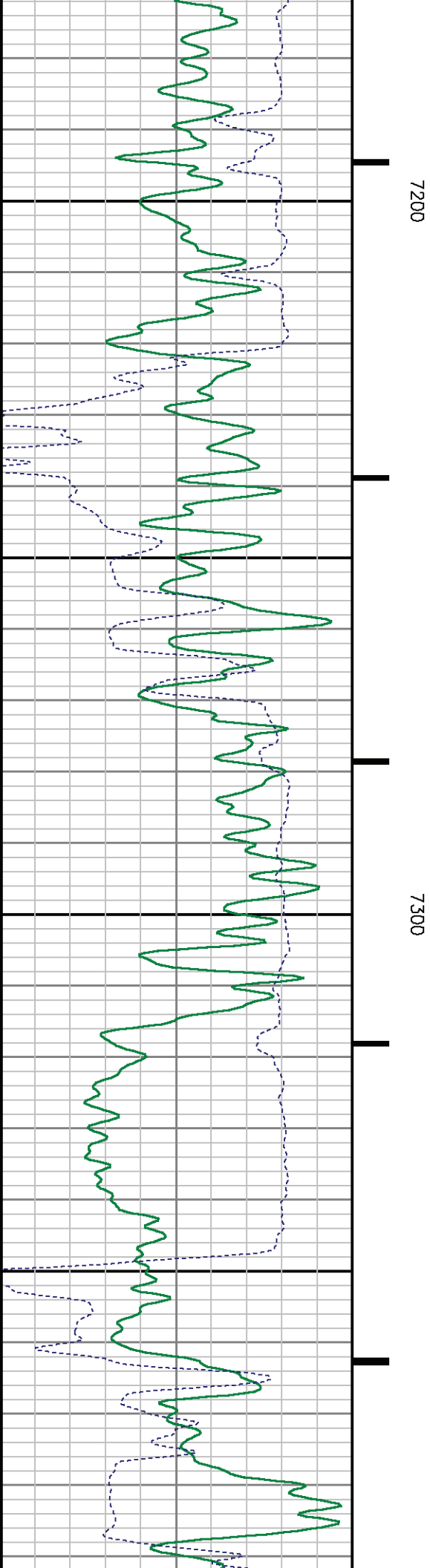
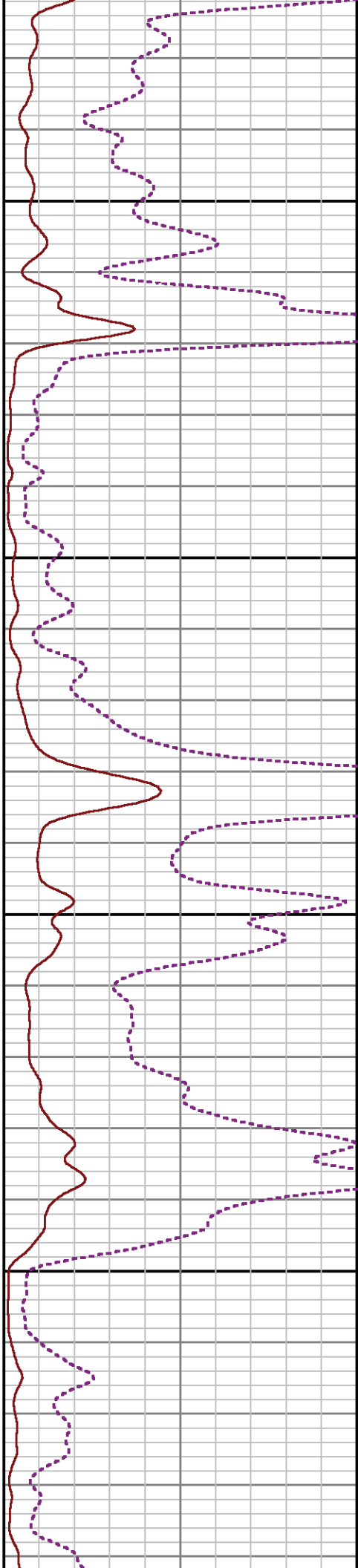
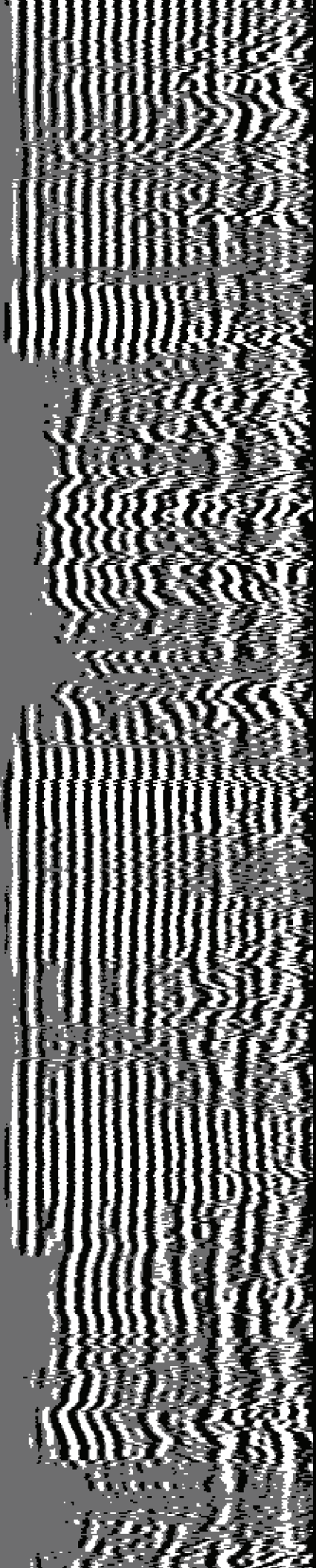


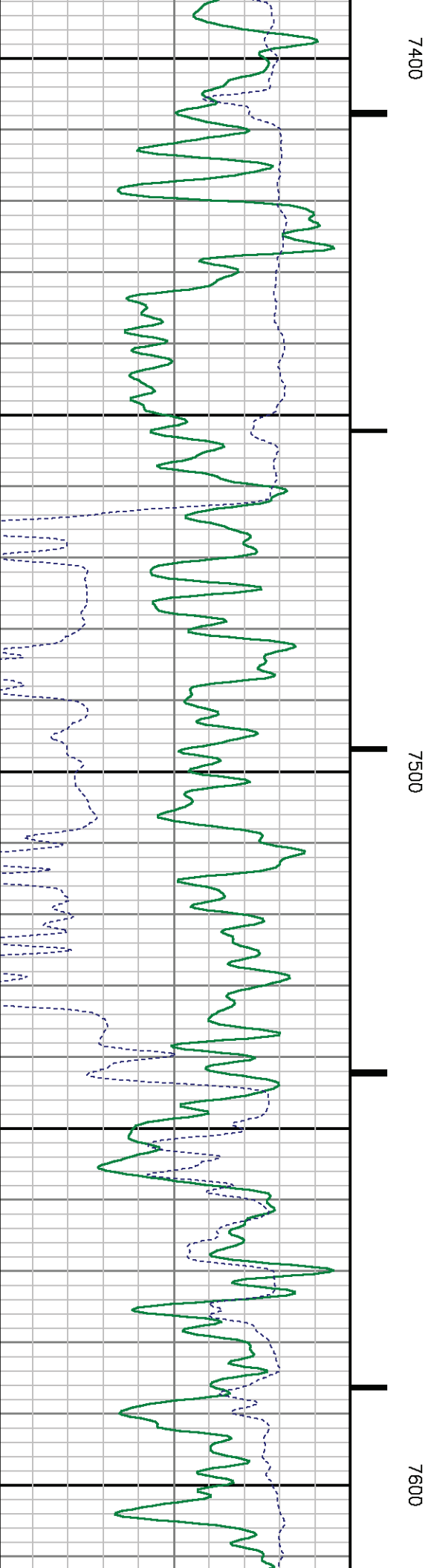
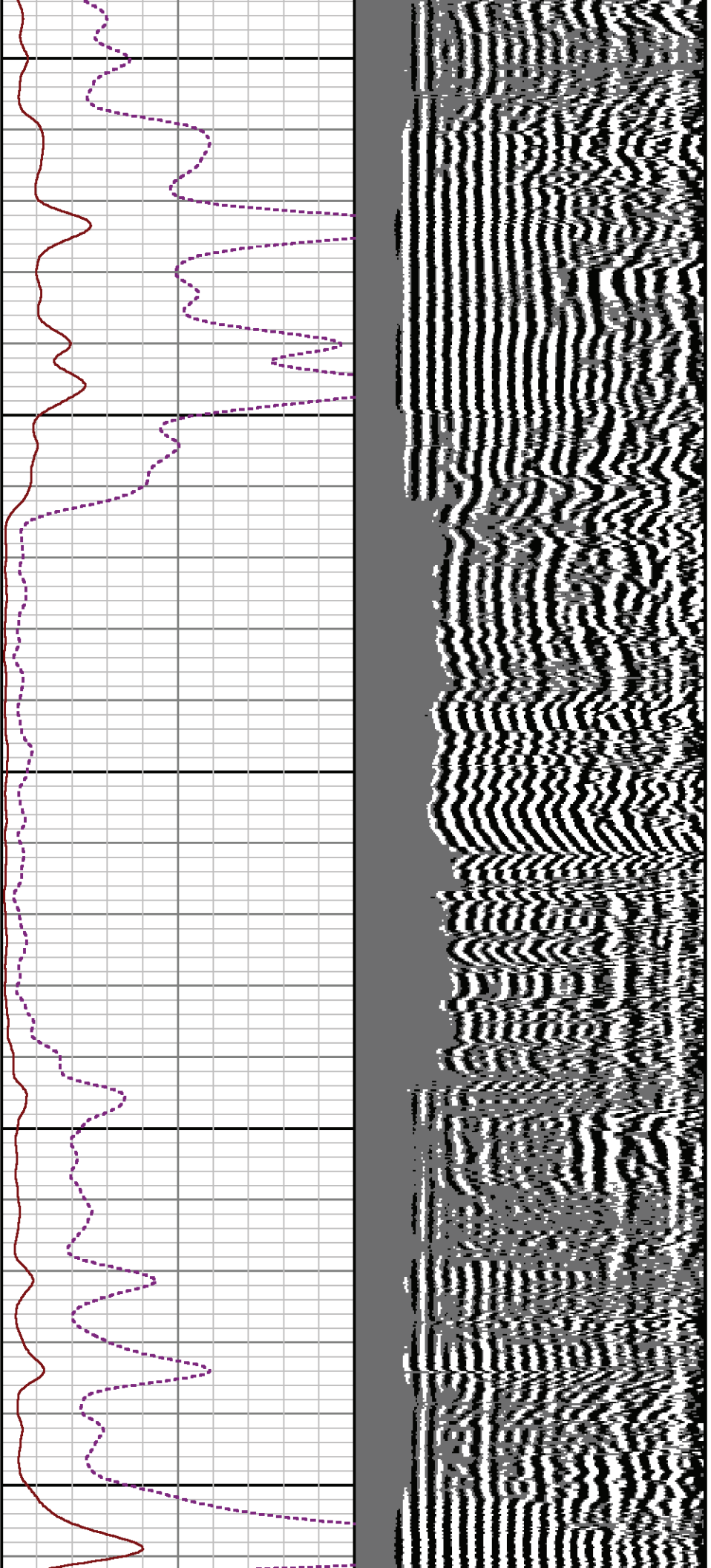
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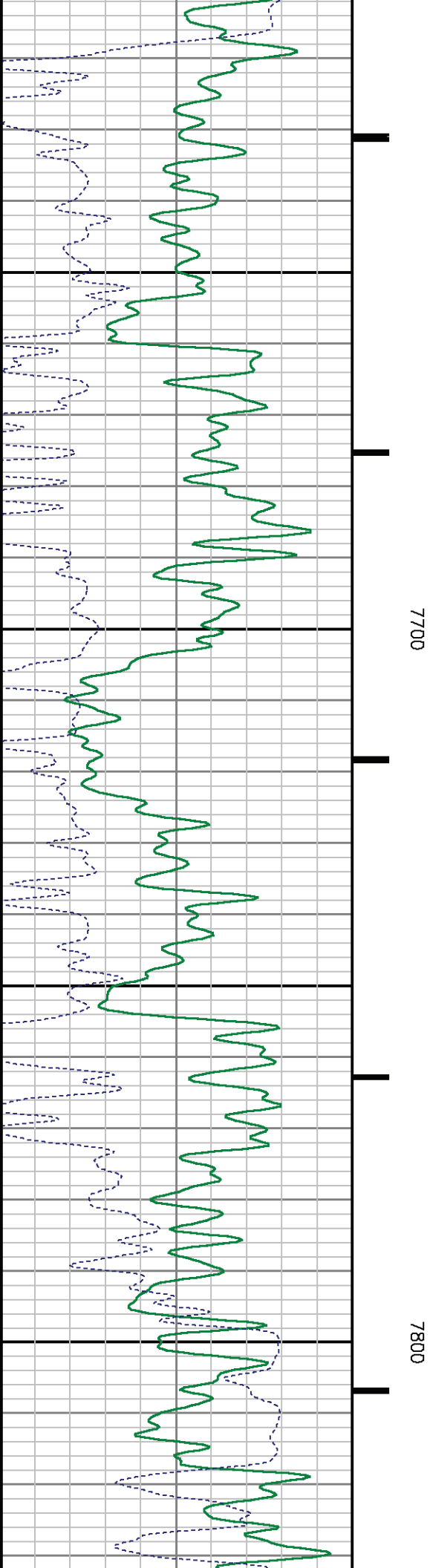
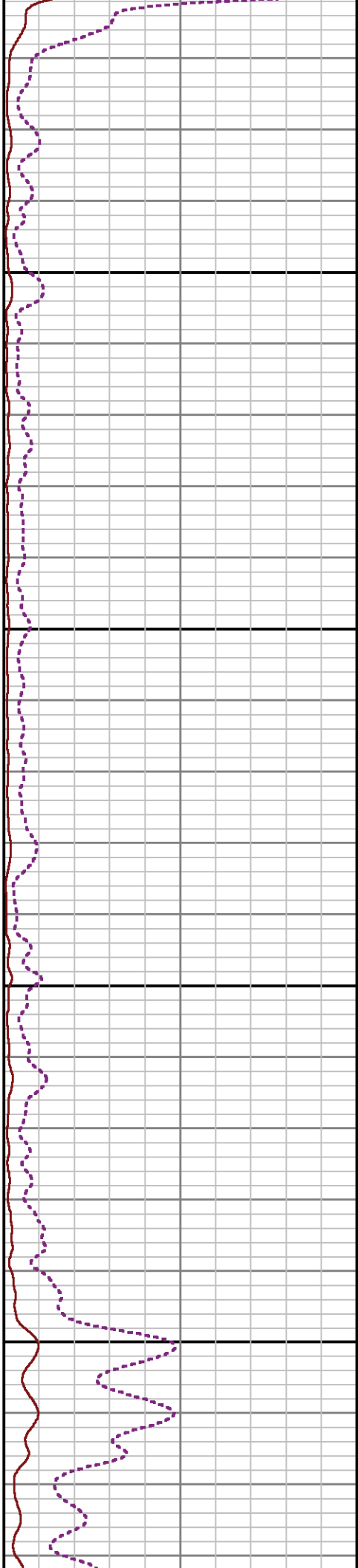
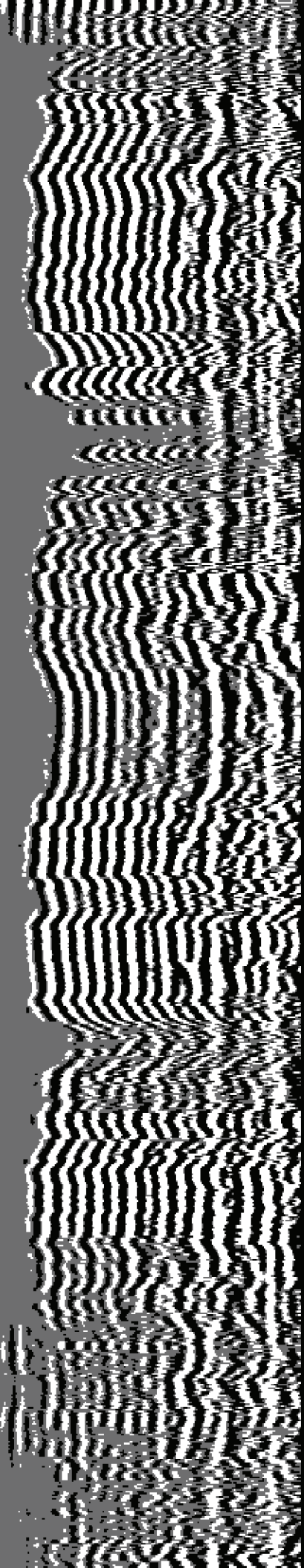
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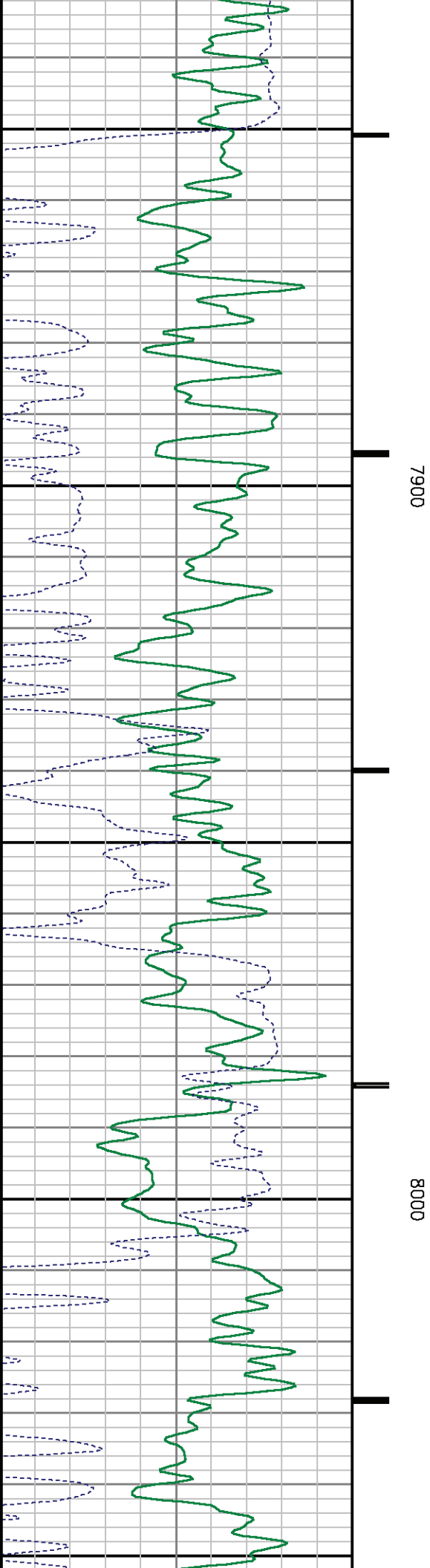
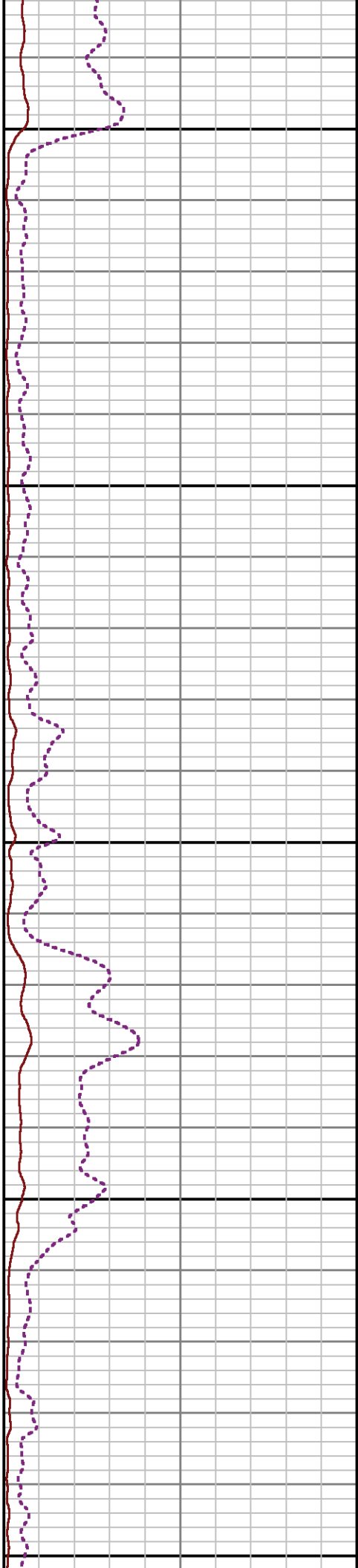
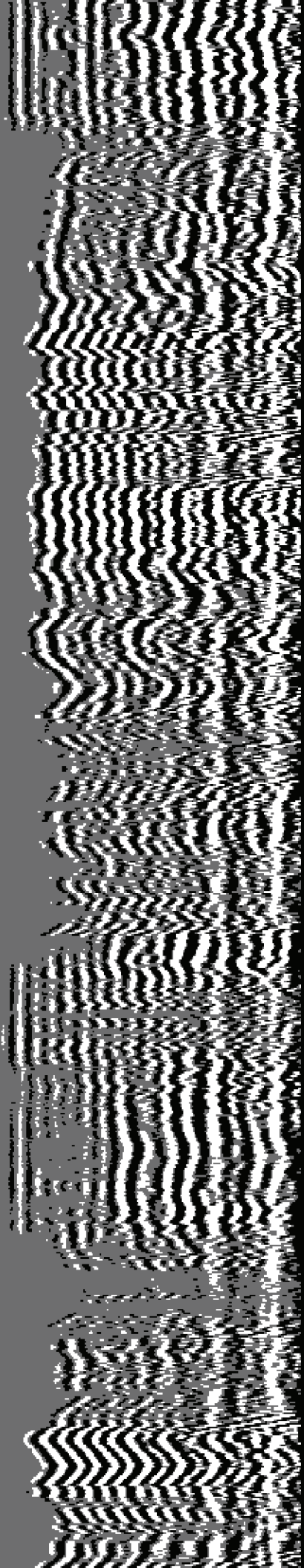


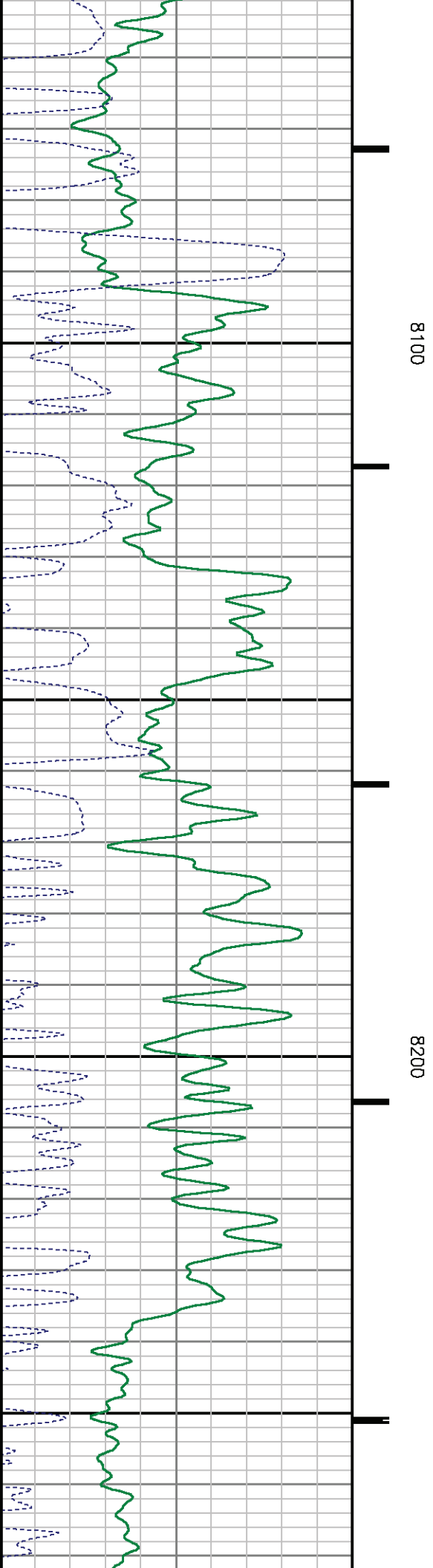
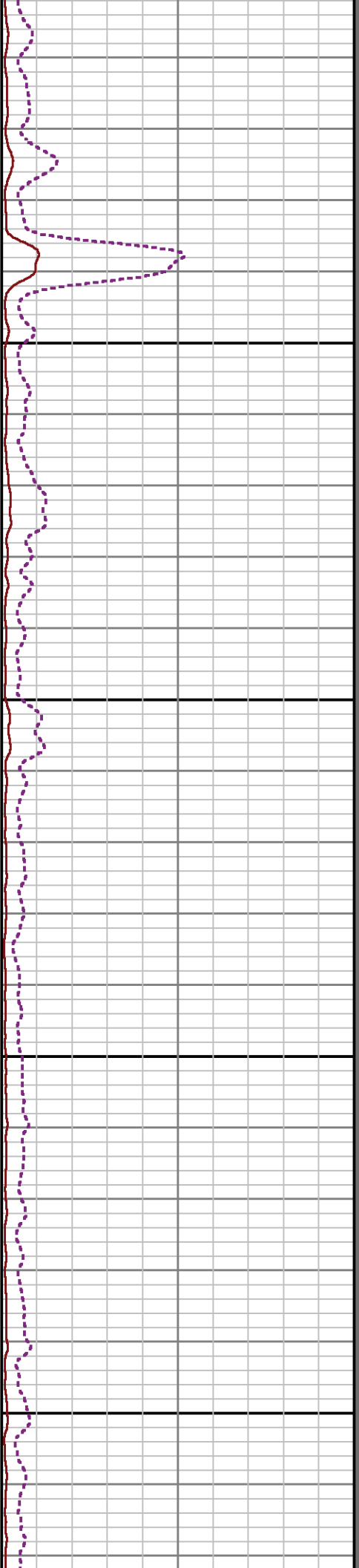
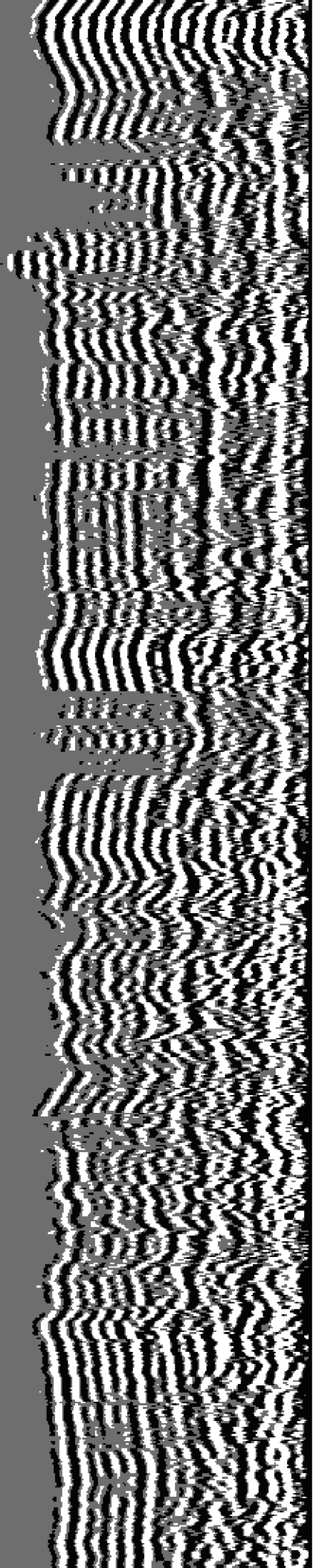


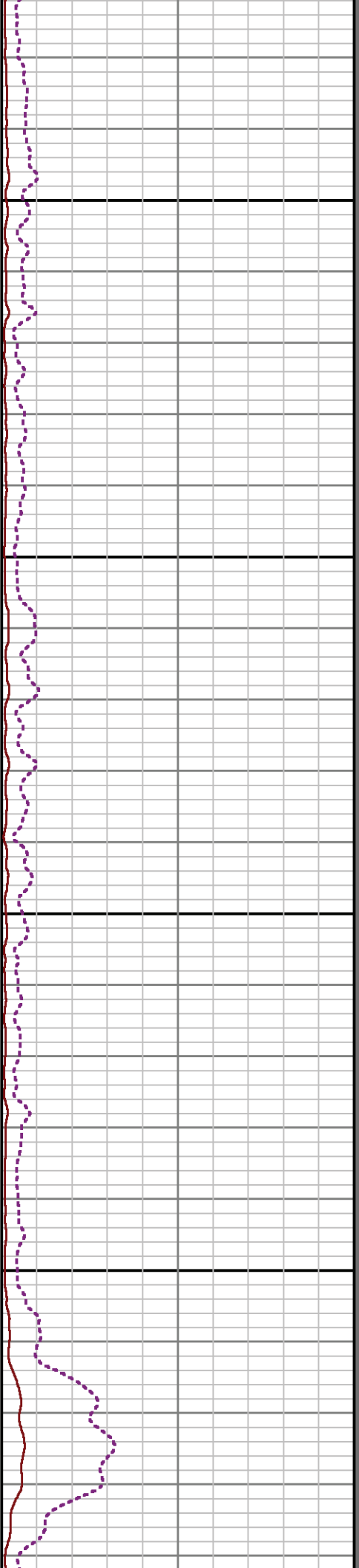
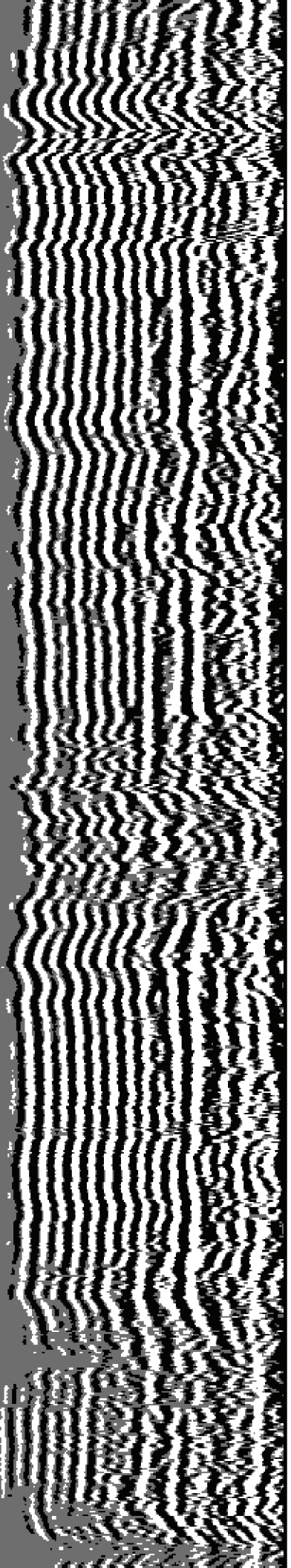






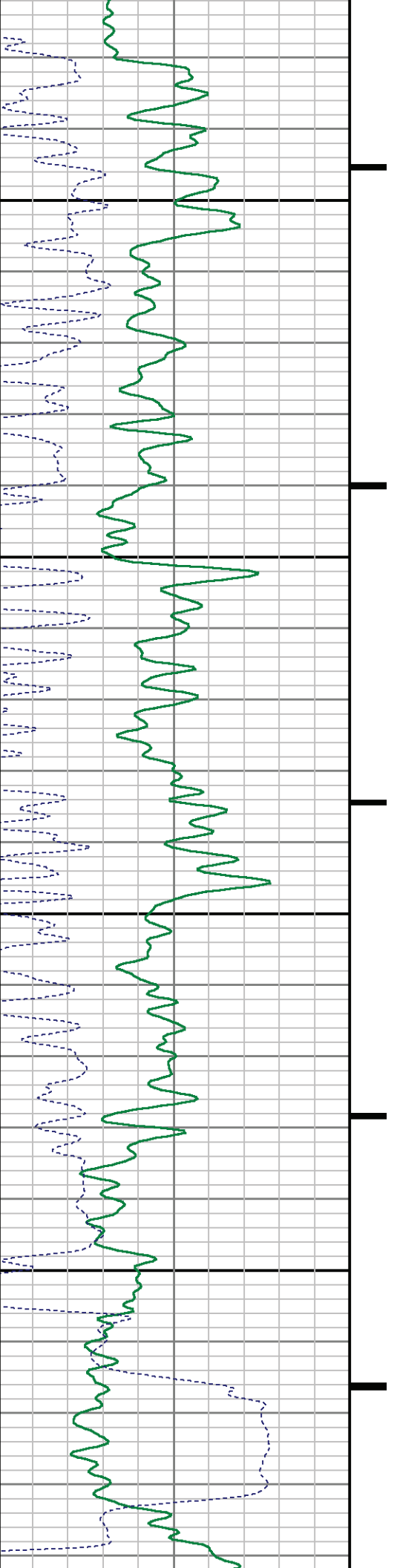


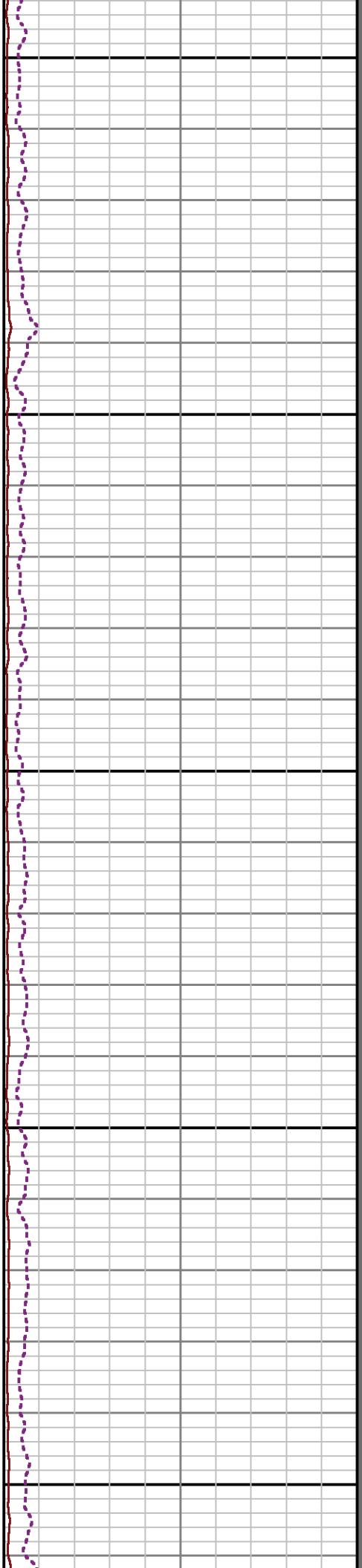
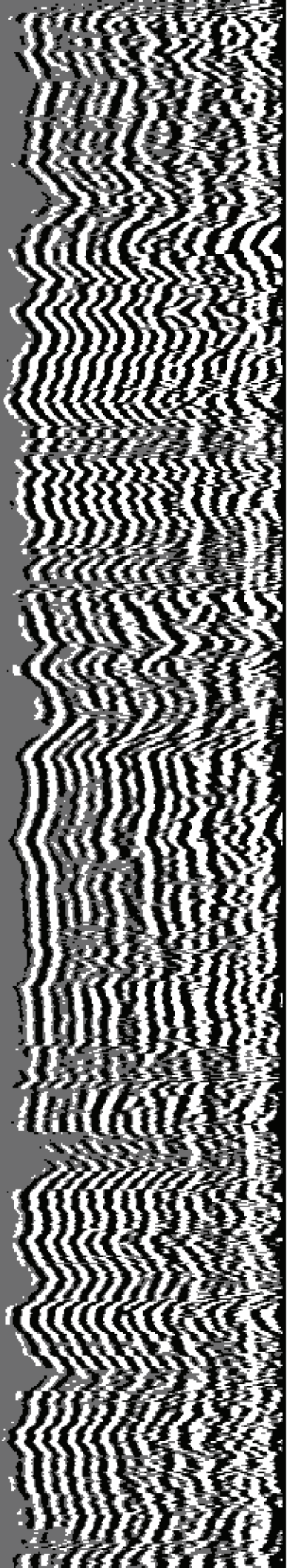




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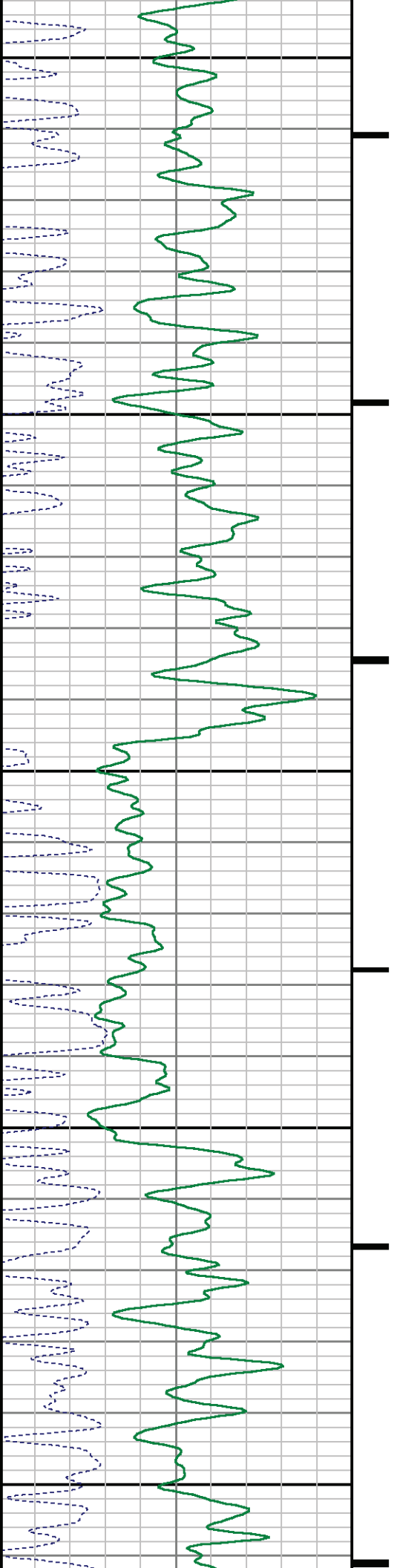


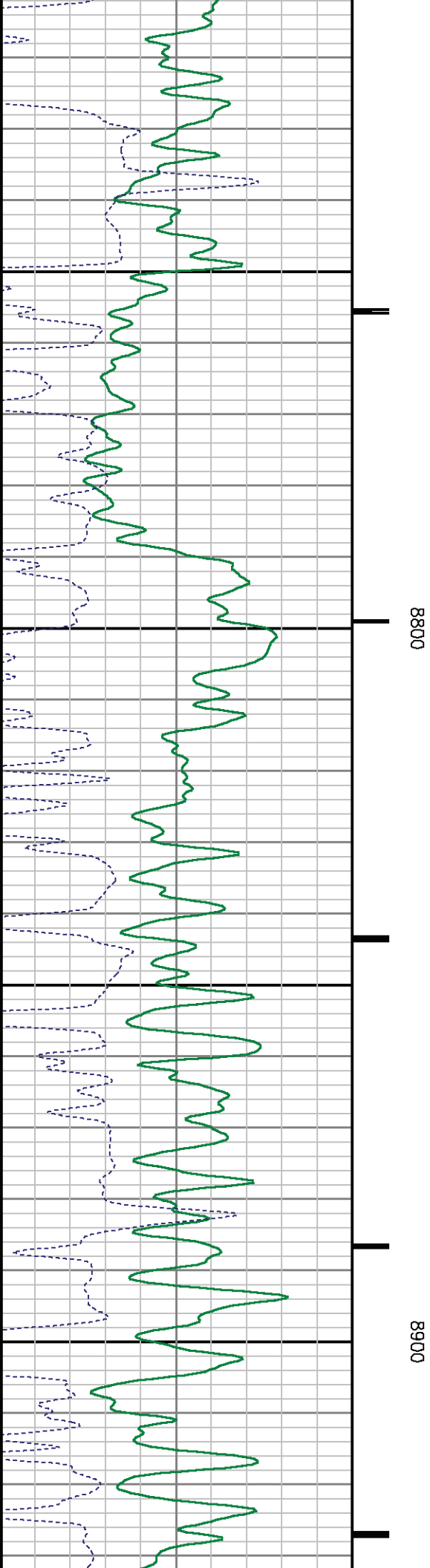
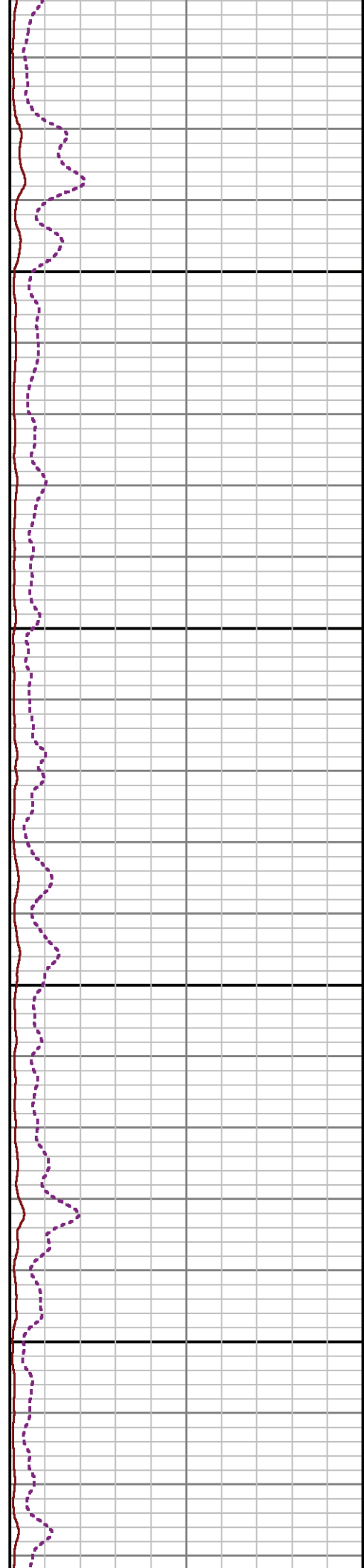
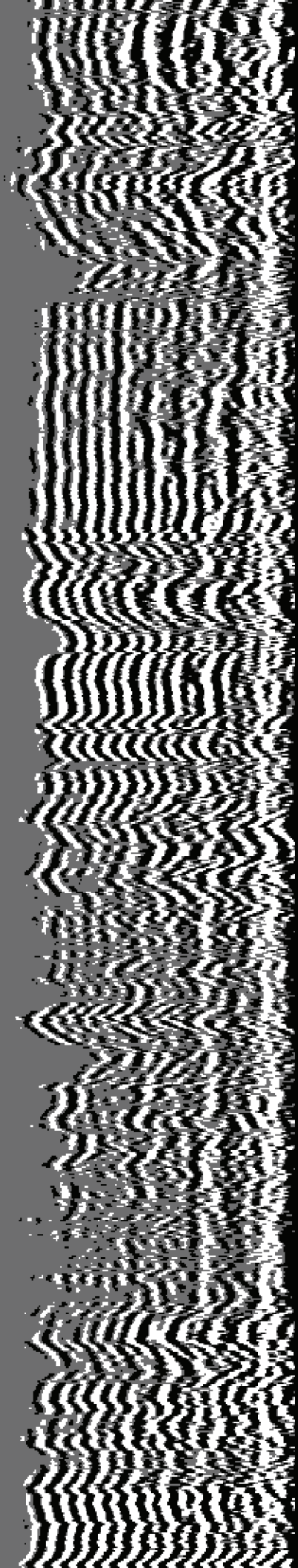


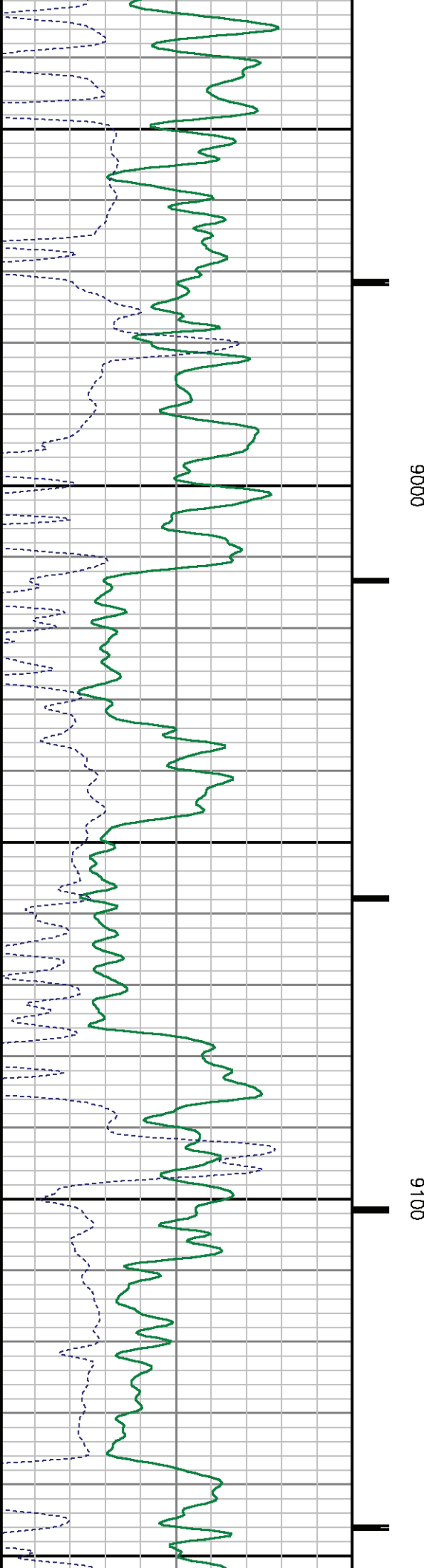
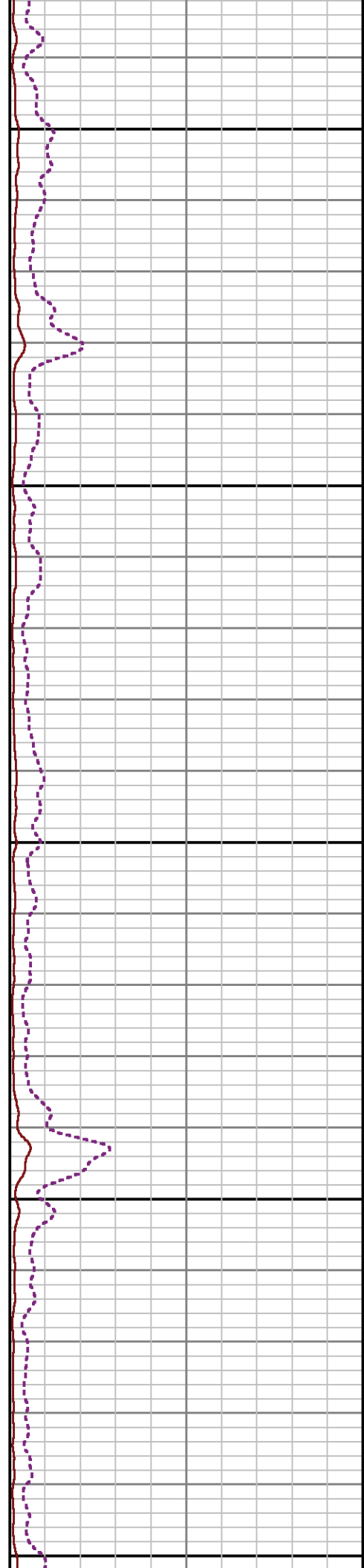
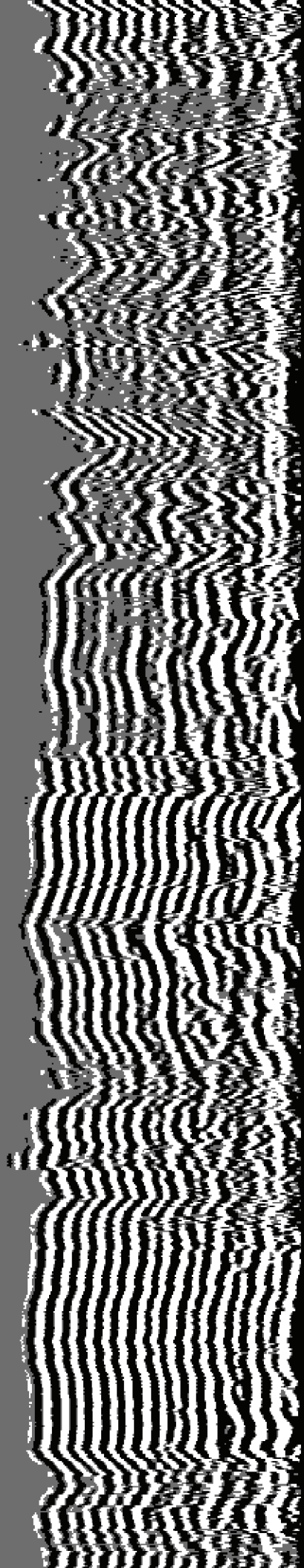
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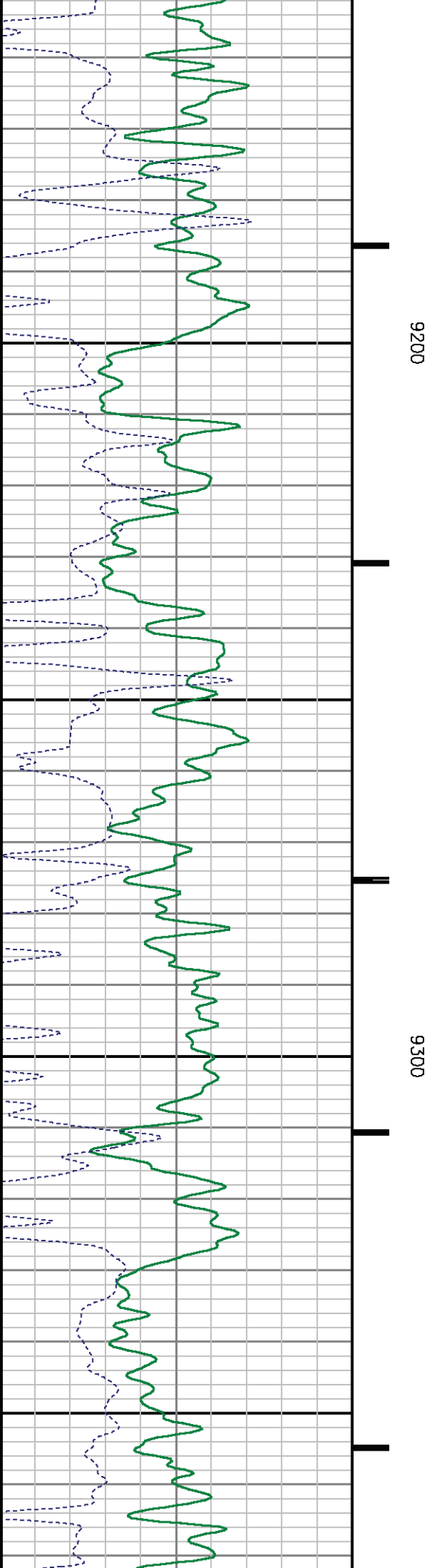
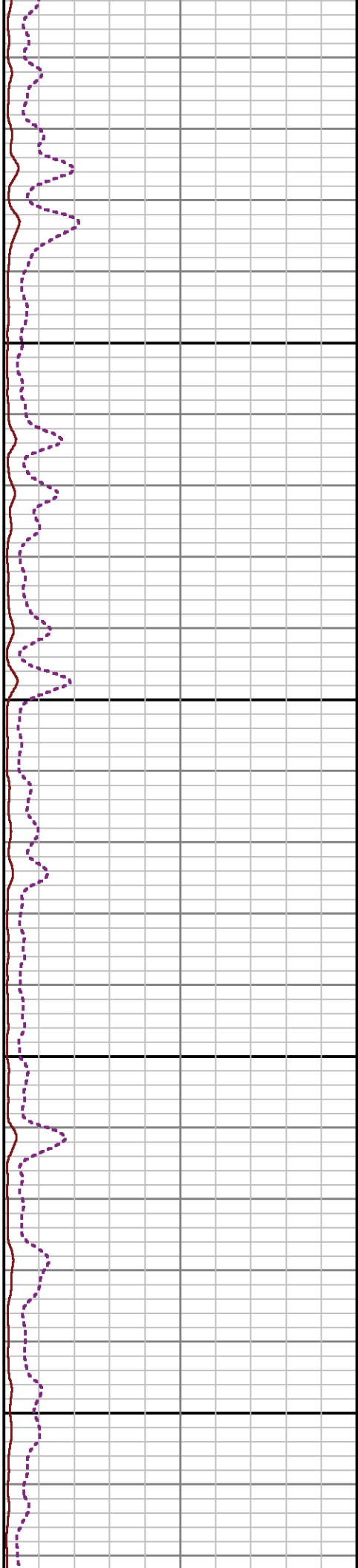
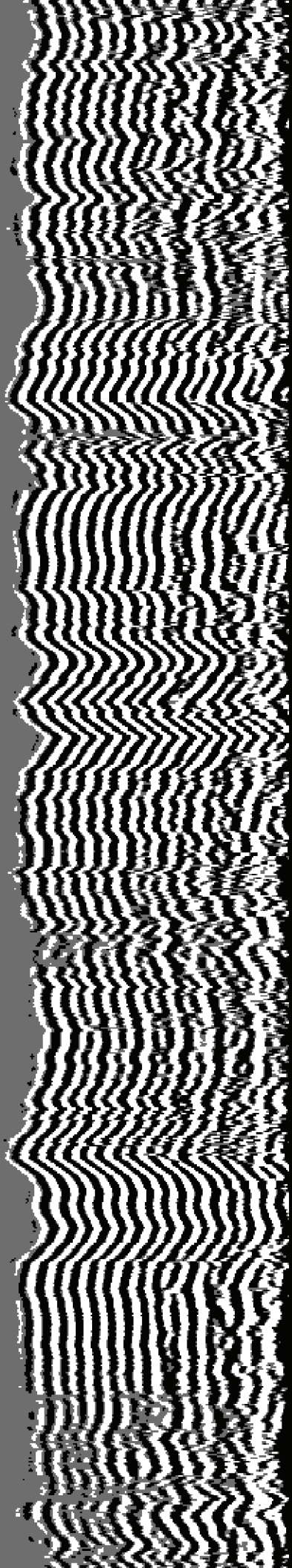
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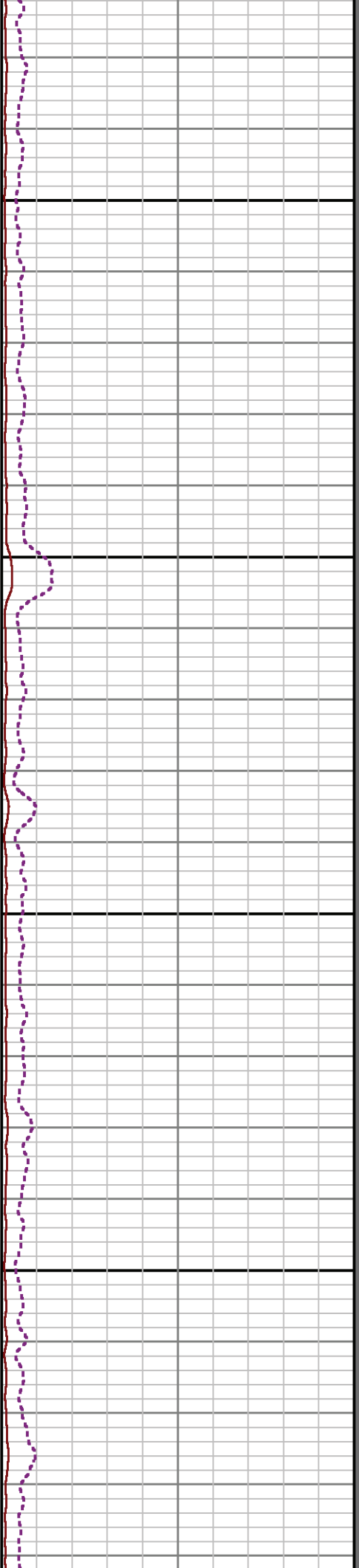
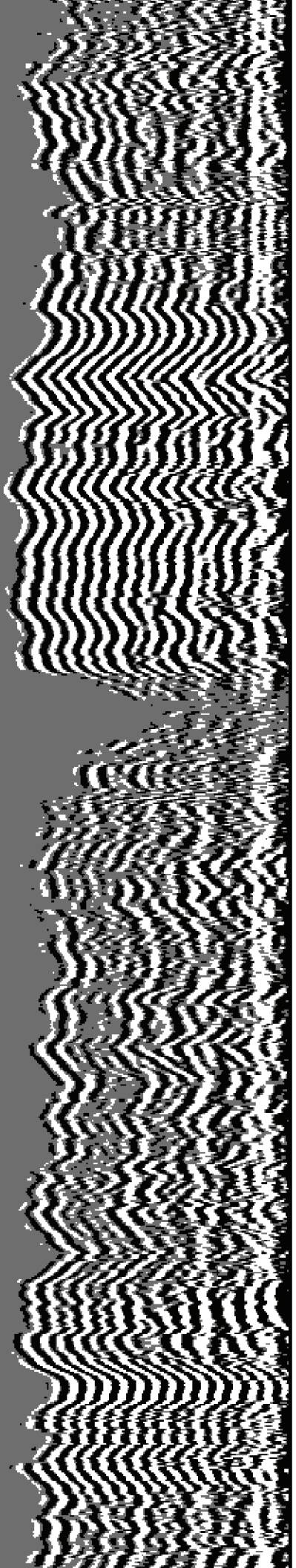
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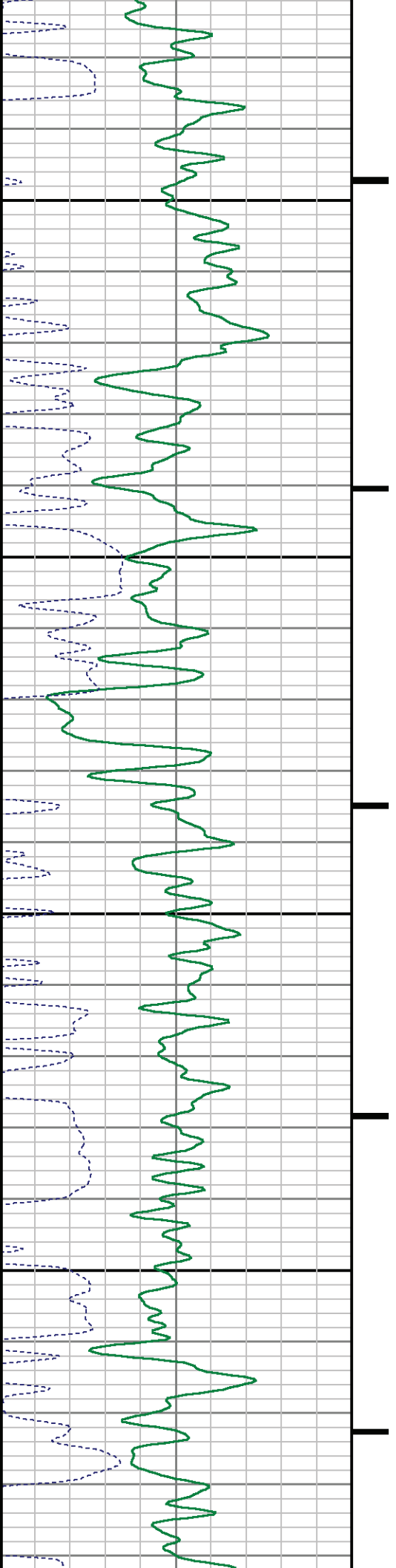


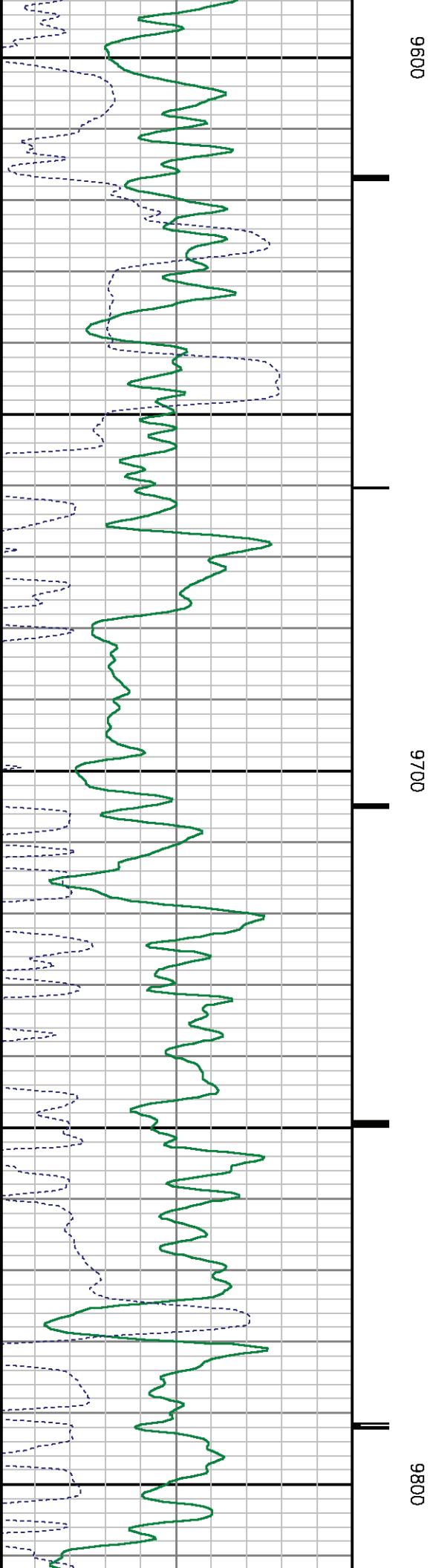
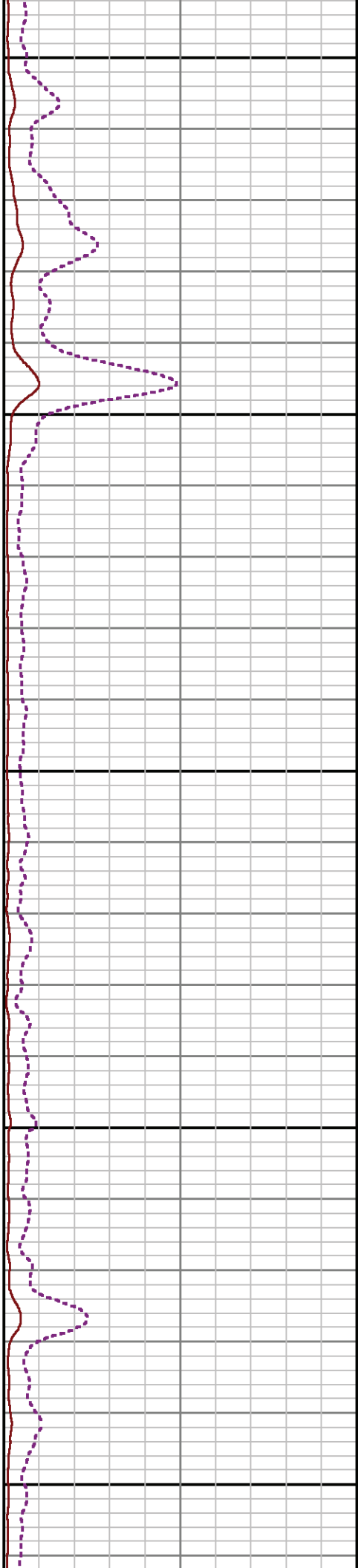
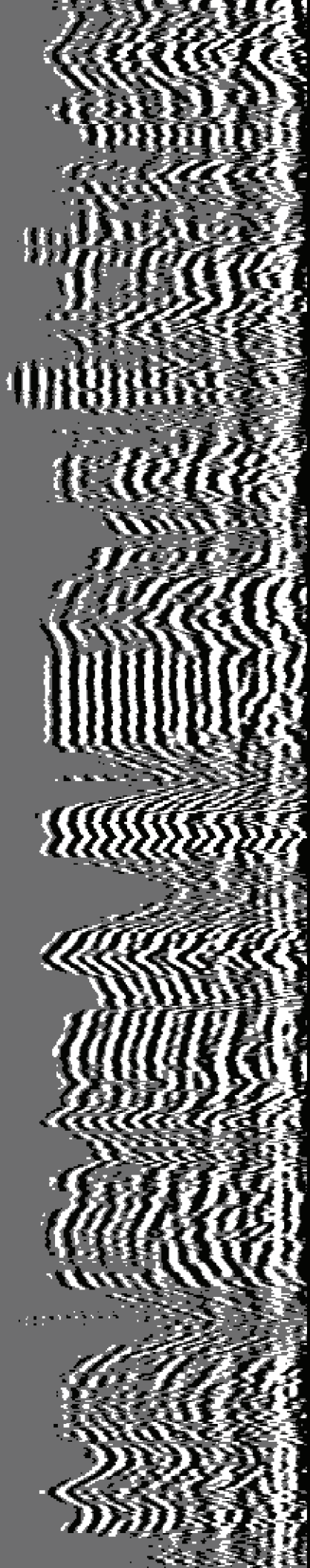


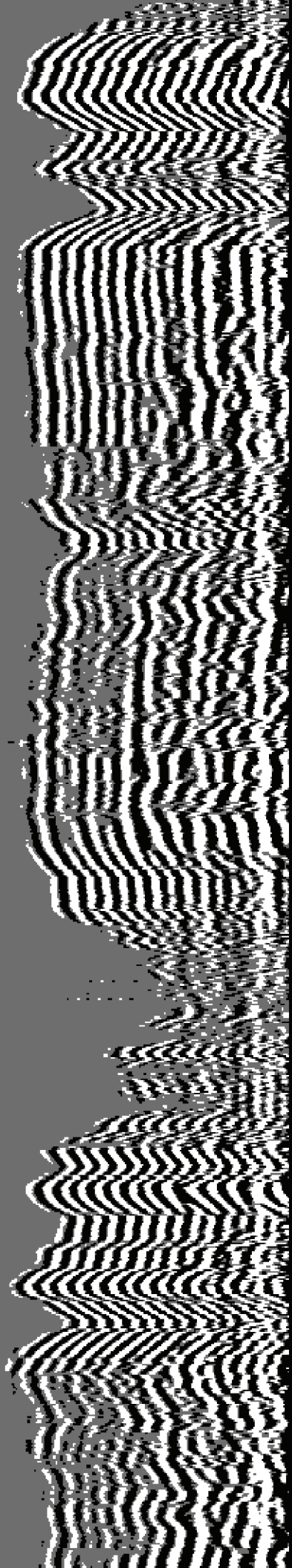


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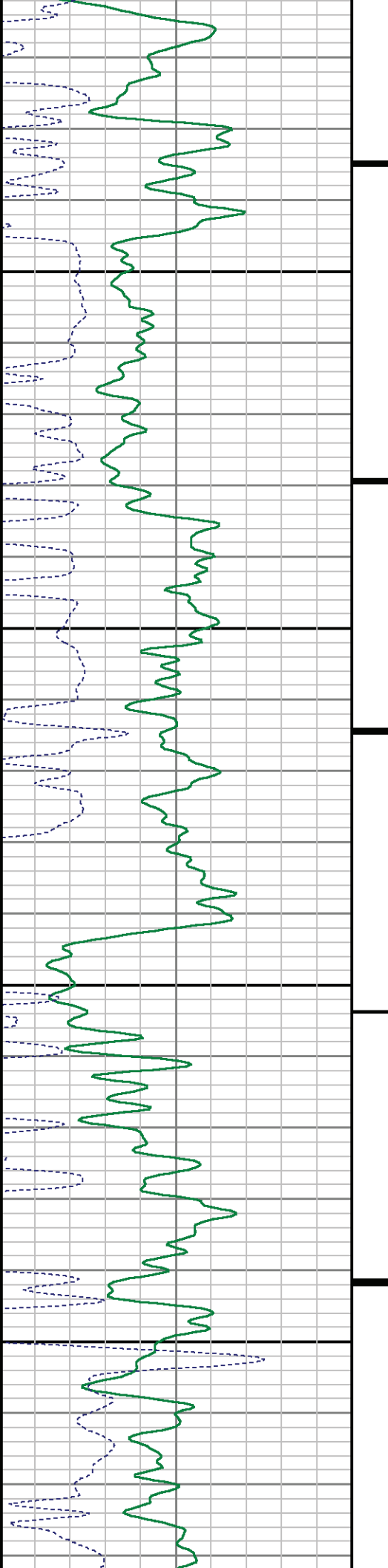


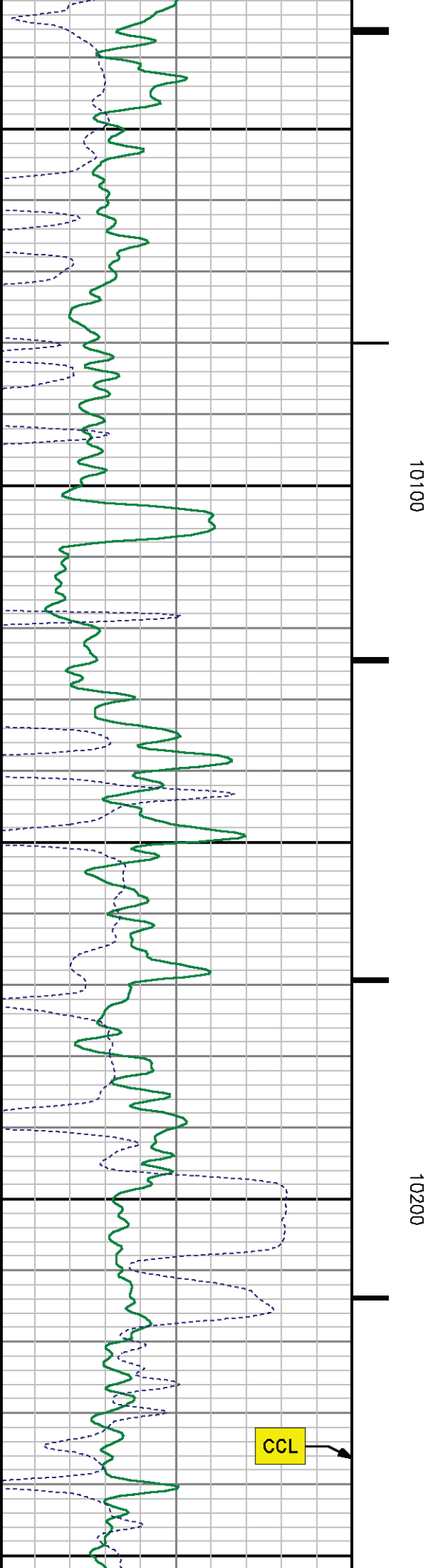
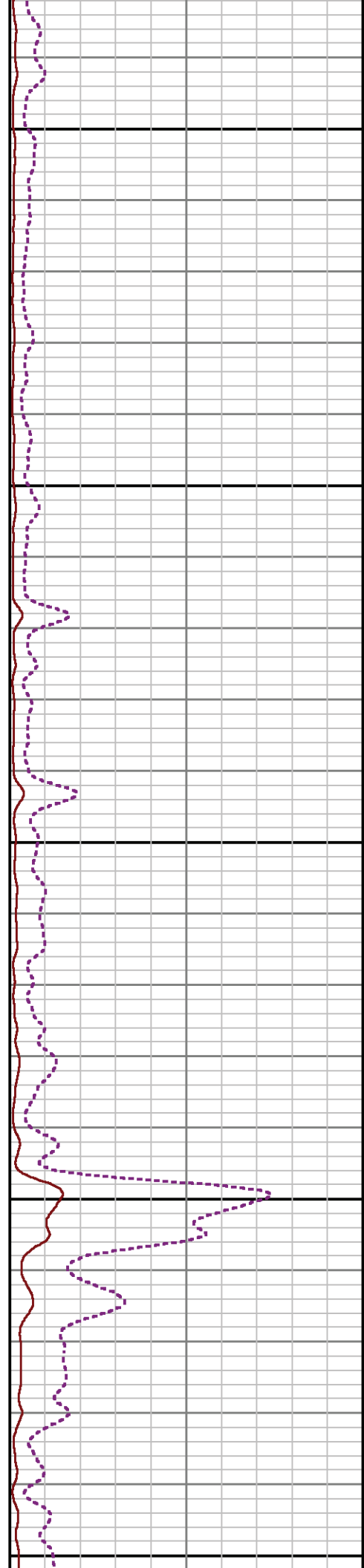
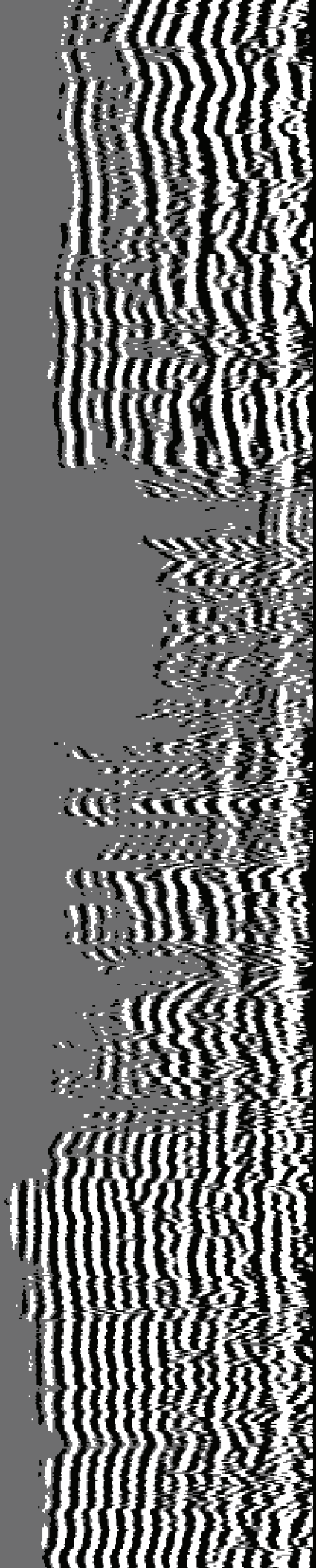


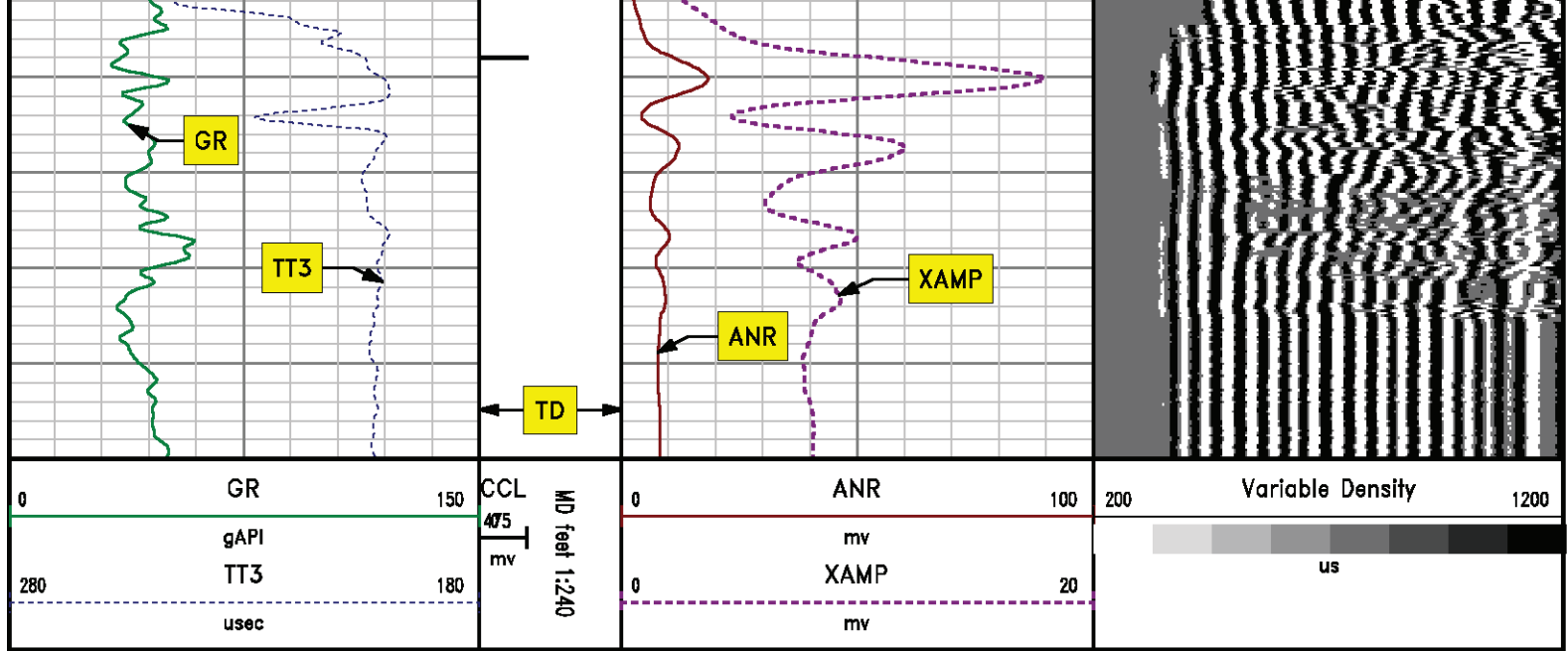


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10000







SECONDARY PRESENTATION

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	30.973	10315.500
RAL	Amp Gate Start Near	195.000	usec	30.973	10315.500
RAL	Amp Gate Start Radial	195.000	usec	30.973	10315.500
RAL	Amp Gate Width Far	25.000	usec	30.973	10315.500
RAL	Amp Gate Width Near	25.000	usec	30.973	10315.500
RAL	Amp Gate Width Radial	25.000	usec	30.973	10315.500
RAL	casing od	4.500	inches	30.973	10315.500
RAL	casing wt	11.600	lbm/ft	30.973	10315.500
RAL	FB Start Far	291.900	usec	30.973	10315.500
RAL	FB Start Near	175.391	usec	30.973	10315.500
RAL	FB Start Radial	175.391	usec	30.973	10315.500
RAL	FB Thresh Far	10.000	mv	30.973	10315.500
RAL	FB Thresh Near	4.000	mv	30.973	10315.500
RAL	FB Thresh Radial	4.000	mv	30.973	10315.500
RAL	Fluid Travel Time	200.000	usec/ft	30.973	10316.379