



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: **Company** **WPX ENERGY**

CH087657 **Well** **WPX ENERGY PA 44-3**

API No: **Field** **PARACHUTE**

05045221430000 **County** **GARFIELD** **State** **CO**

Location

SHL: 2049' FSL & 1536' FWL (2 7S 95W)

BHL: 1230' FSL & 685' FEL (3 7S 95W)

SEC 3 TWP 7S RGE 95W

Other Services

RPM

Permanent Datum **GL** **Elevation** **5821 ft**

Log Measured From **KB** **25 ft** **Above P. D.**

Drill Measured From **KB** **Elevations** **KB 5846 ft** **DF** **GL 5821 ft**

Date	24/JUN/14	
Run	ONE	
Service Order	US087657	
Depth Driller	7928 ft	
Depth Logger	7887 ft	
Bottom Logged Interval	7877 ft	
Top Logged Interval	25 ft	
Time Started	7:00	
Time Finished	10:00	
Operator Rig Time	3 HOURS	
Type of Fluid in Hole	WATER	
Fluid Density	NA	
Salinity	NA	
Fluid Level	69 ft	
Logged Cement Top	NA	
Wellhead Pressure	0 psi	
Maximum Hole Deviation	NA	
Nominal Logging Speed	66 fpm	
Maximum Recorded Temperature	216 degF	
Reference Log	NA	
Reference Log Date	NA	
Equipment No.	4271	GRAND JUNCTION
Recorded By	NEMELL	
Witnessed By	DUSTIN WELSH	

- 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	2180 ft
8.75 in	2180 ft	8038 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 in			0 ft	2180 ft
4.5 in	11.6 lbm/ft	1-80	0 ft	8038 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 8 feet.
Logged with zero PSI at wellhead.
BHT = 216 °F

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	CBL	1426XA	10218496	CENTRALIZED
1	1	GR/CCL	2459XA	10417456	CENTRALIZED

PRIMARY PRESENTATION

0 PSI

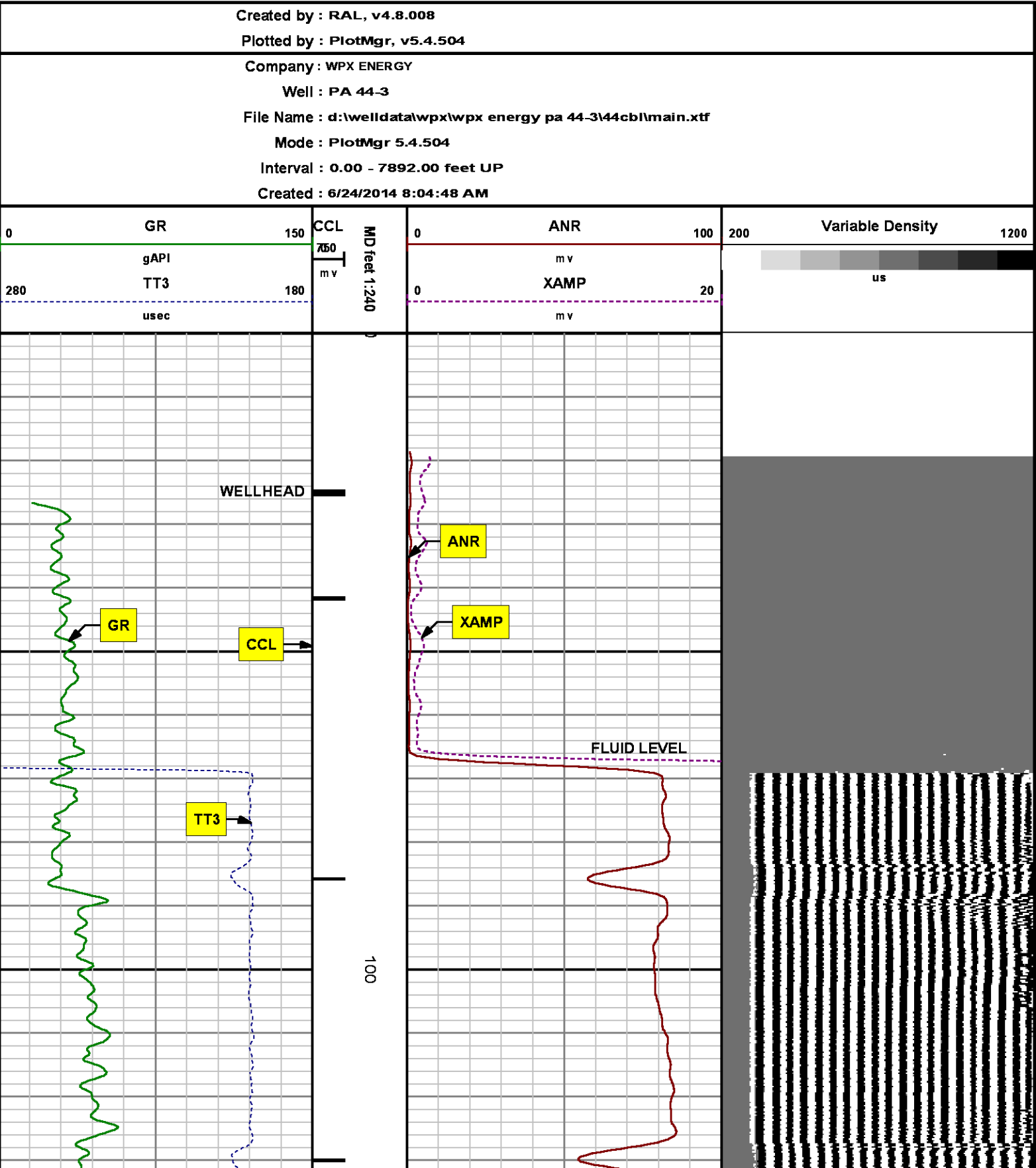
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	35.062	7898.250
RAL	Amp Gate Start Near	195.000	usec	35.062	7898.250
RAL	Amp Gate Start Radial	195.000	usec	35.062	7898.250
RAL	Amp Gate Width Far	25.000	usec	35.062	7898.250
RAL	Amp Gate Width Near	25.000	usec	35.062	7898.250
RAL	Amp Gate Width Radial	25.000	usec	35.062	7898.250
RAL	casing od	4.500	inches	35.062	7898.250
RAL	casing wt	11.600	lbm/ft	35.062	7898.250
RAL	FB Start Far	291.900	usec	35.062	7898.250
RAL	FB Start Near	175.391	usec	35.062	7898.250
RAL	FB Start Radial	175.391	usec	35.062	7898.250
RAL	FB Thresh Far	10.000	mv	35.062	7898.250
RAL	FB Thresh Near	4.000	mv	35.062	7898.250
RAL	FB Thresh Radial	4.000	mv	35.062	7898.250
RAL	Fluid Travel Time	200.000	usec/ft	35.062	7897.687

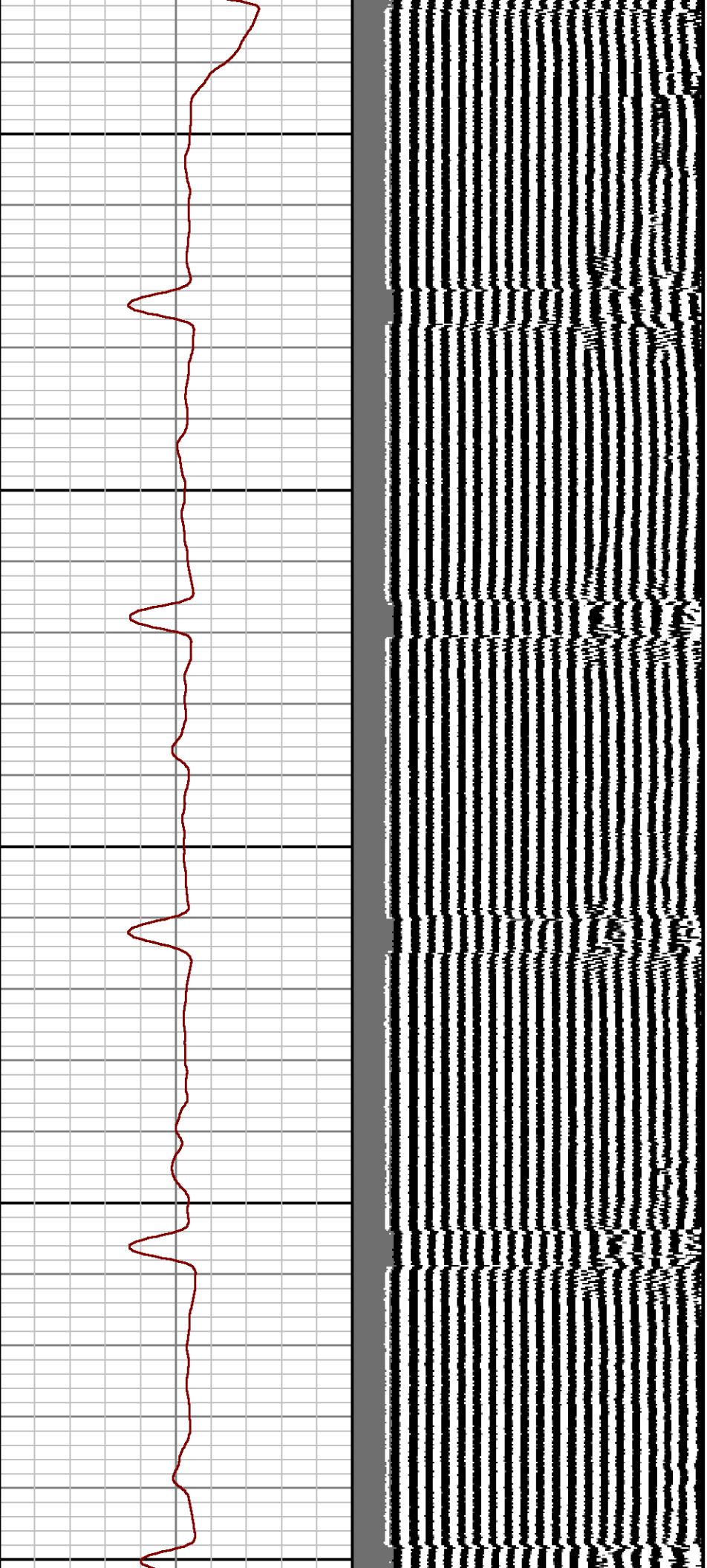
DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES							
1426XA	-16.750	ACAL	ANR	AR1	AR2	AR3	AR4		
		AR5	AR6	AR7	AR8	CHV	FPR2		

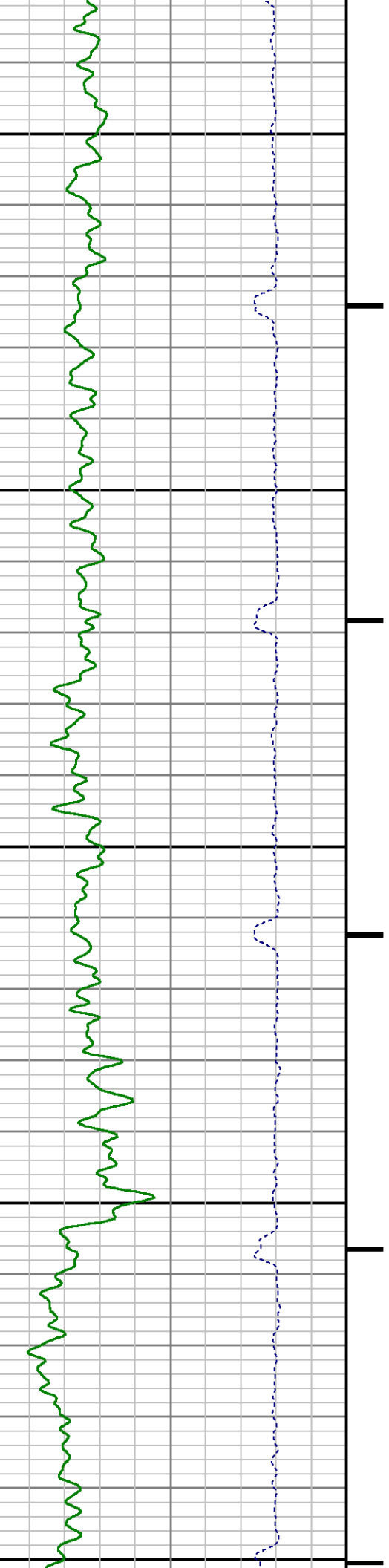
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-15.750	AFAR	SIG	TT5			
2459XA	-11.340	CCL					
2459XA	-9.490	GR					
2459XA	-4.090	NEU					

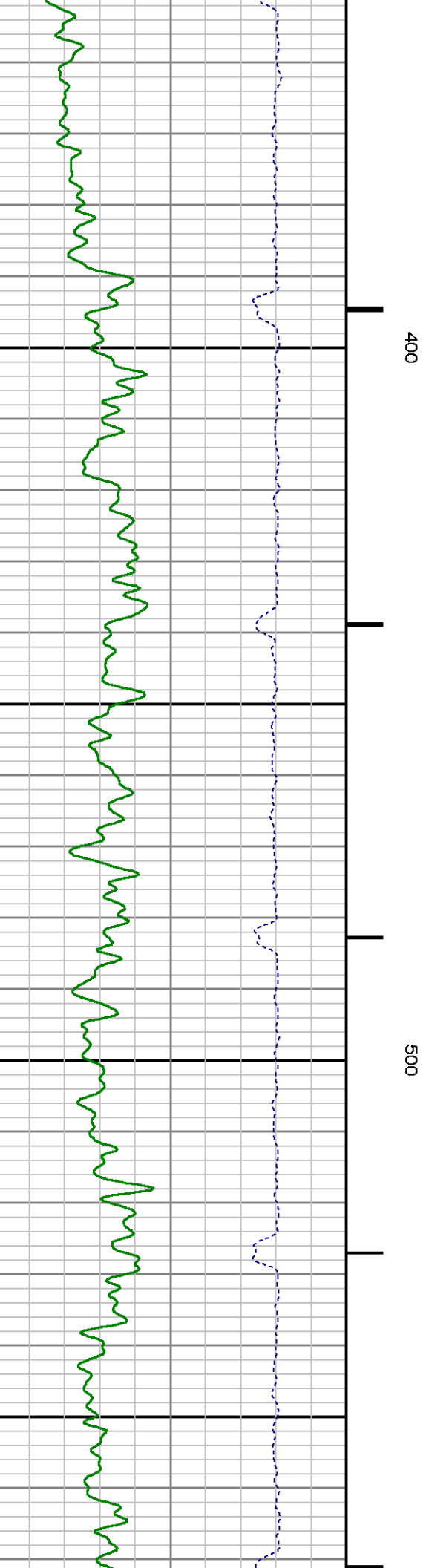
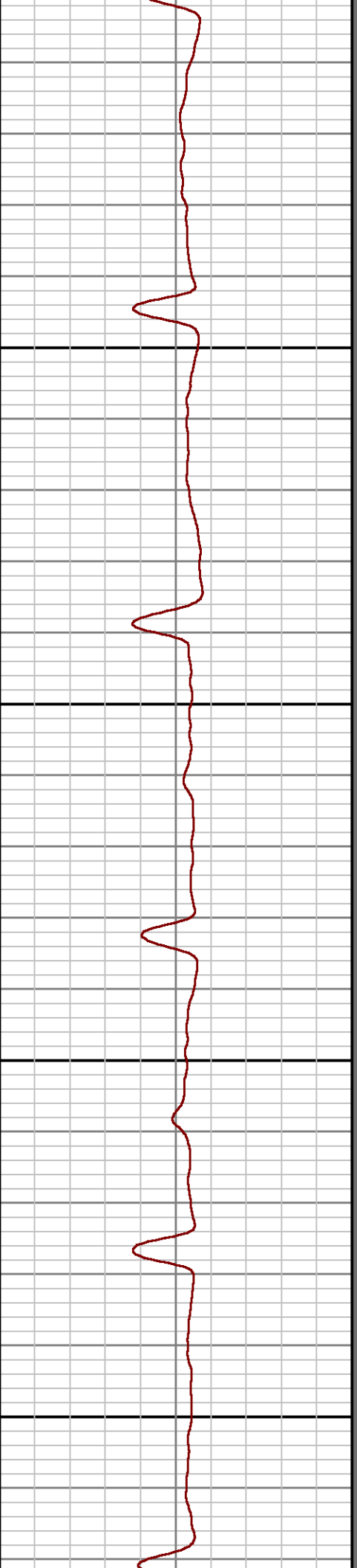
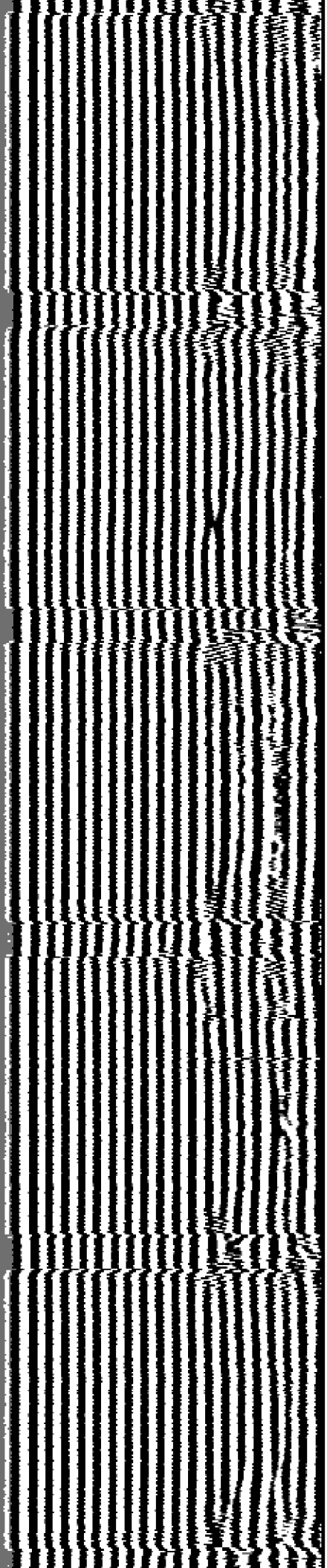


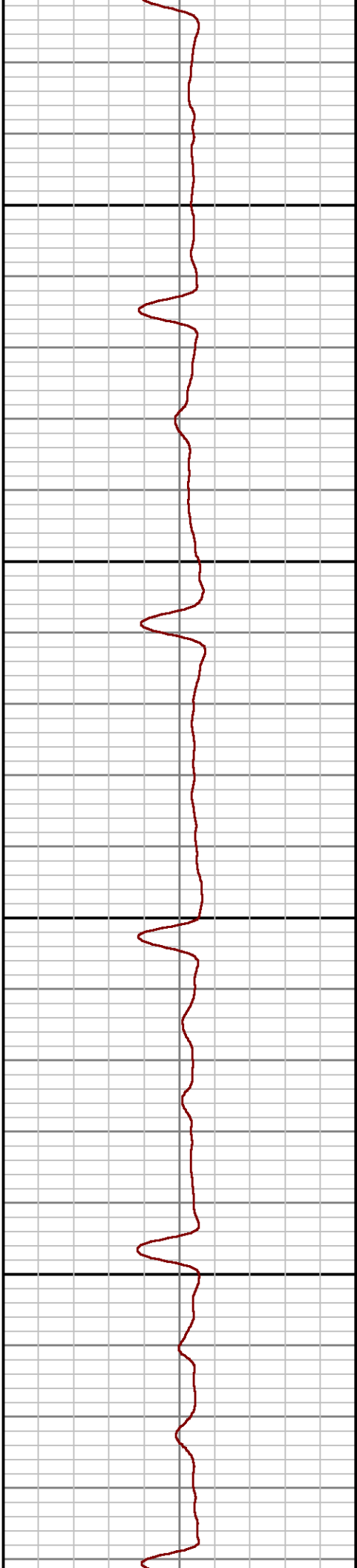
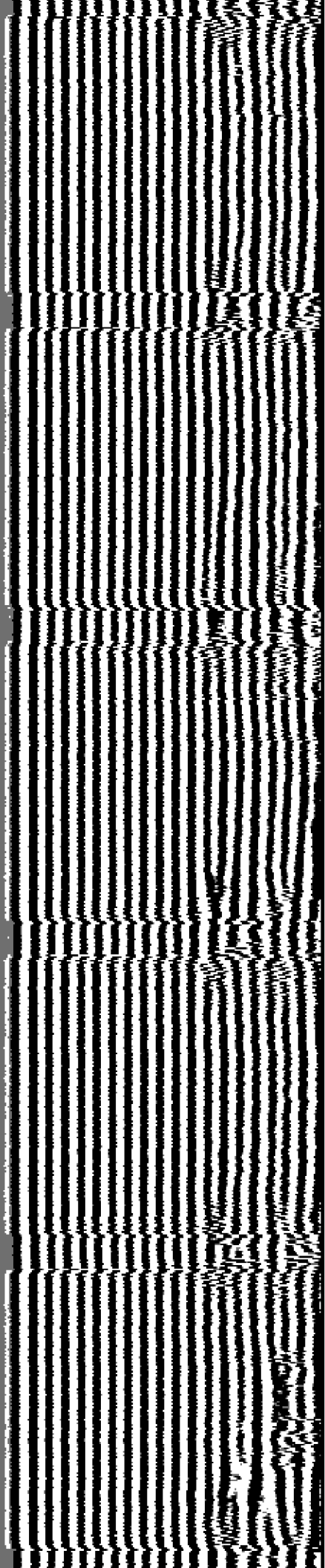


200

300

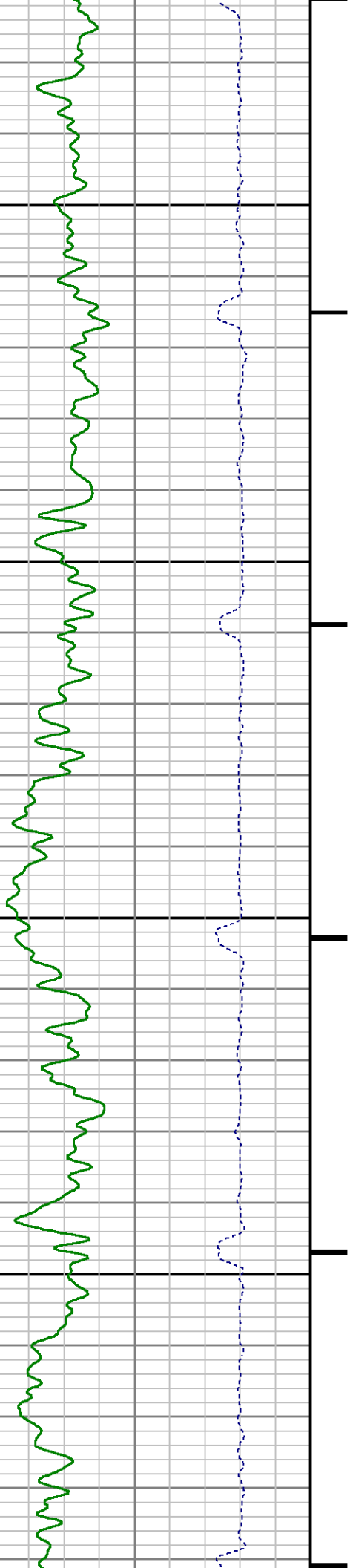


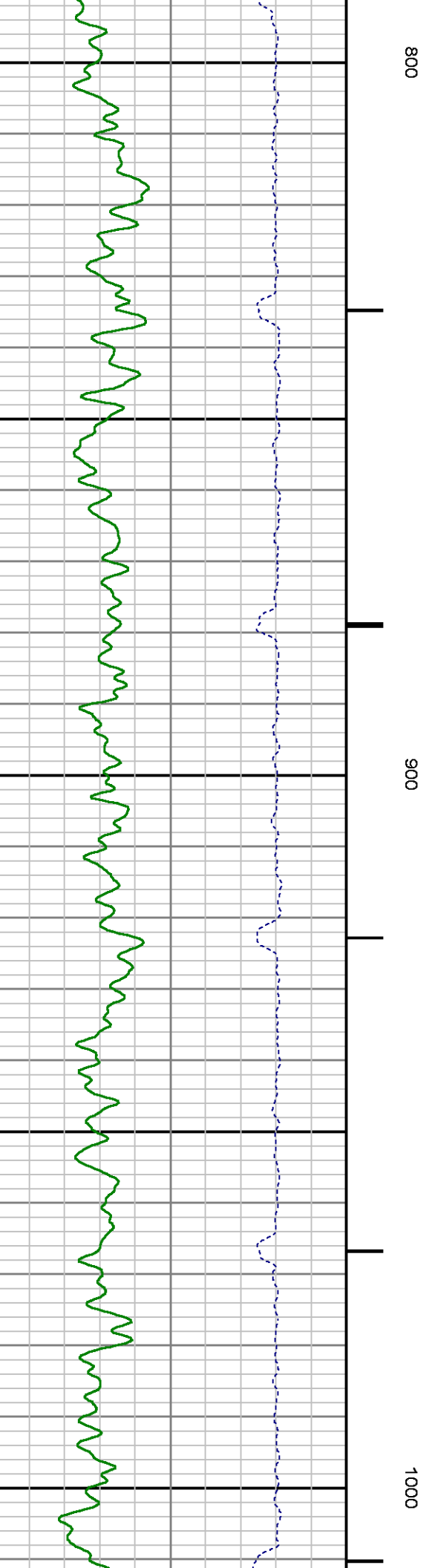
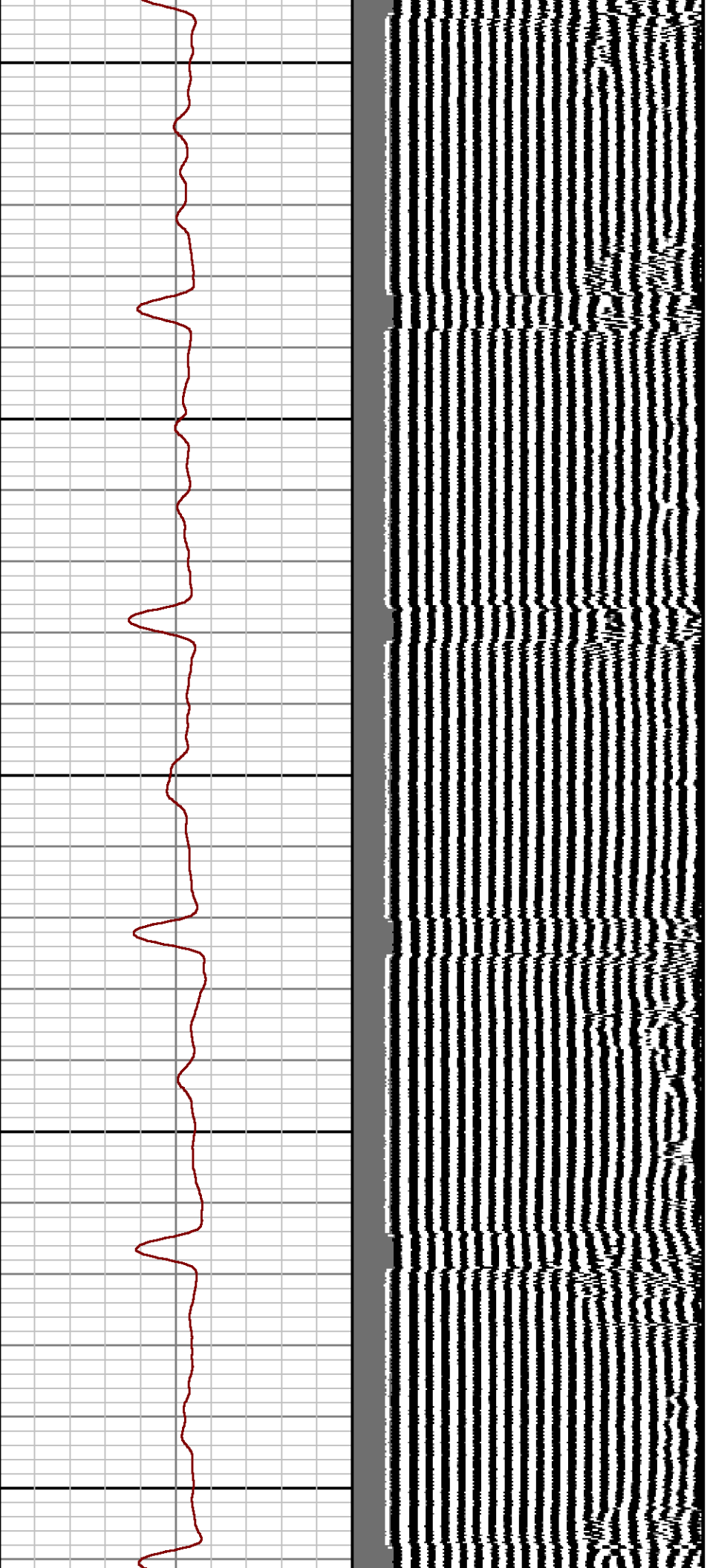


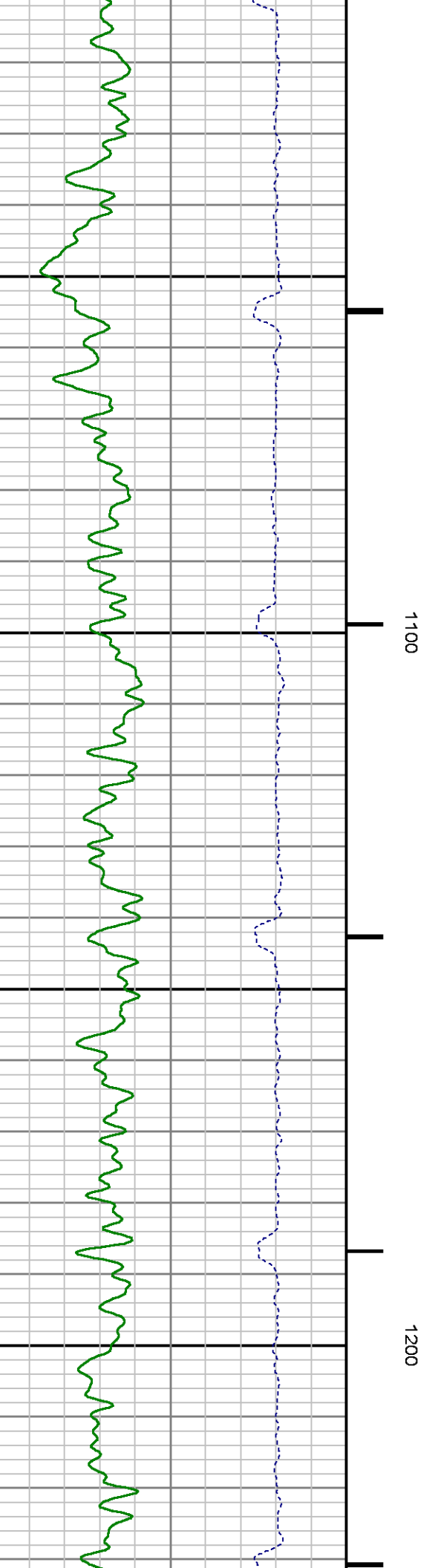
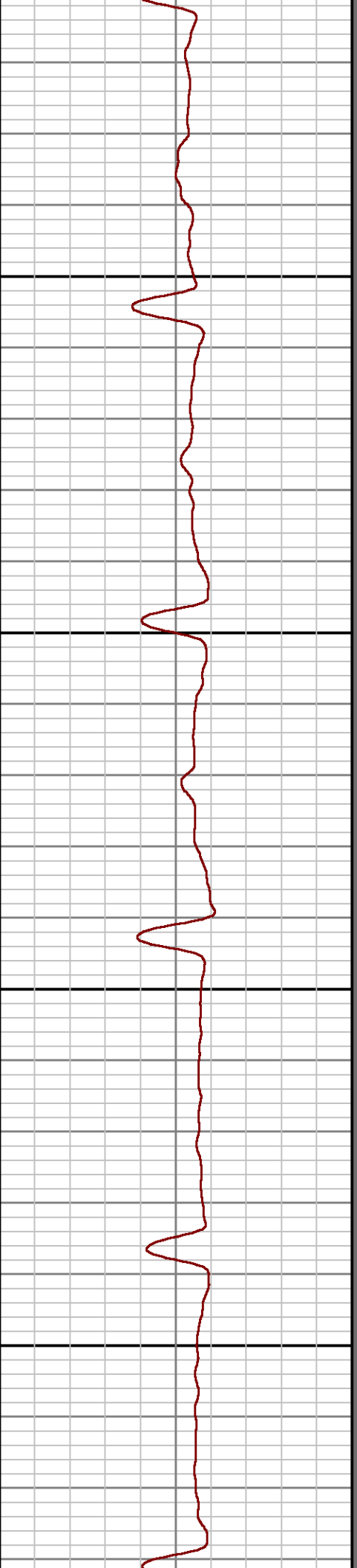
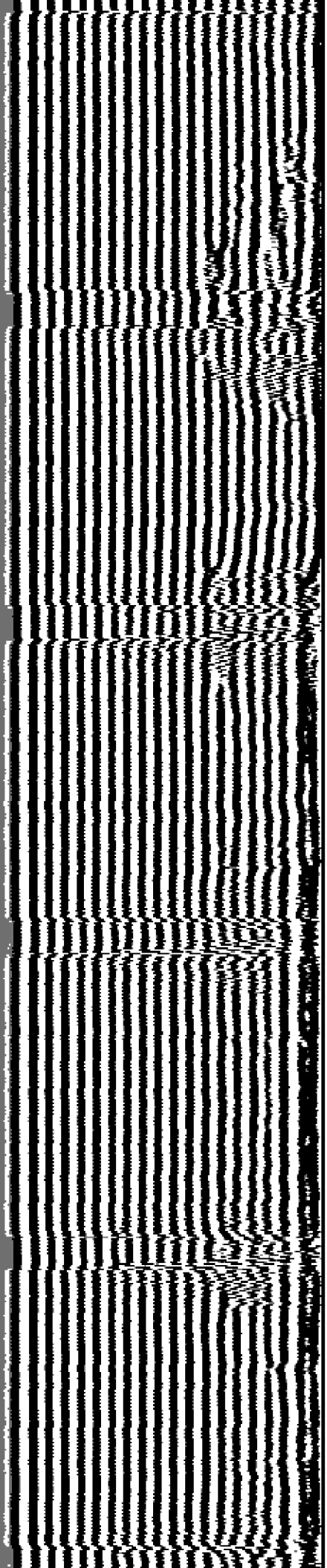


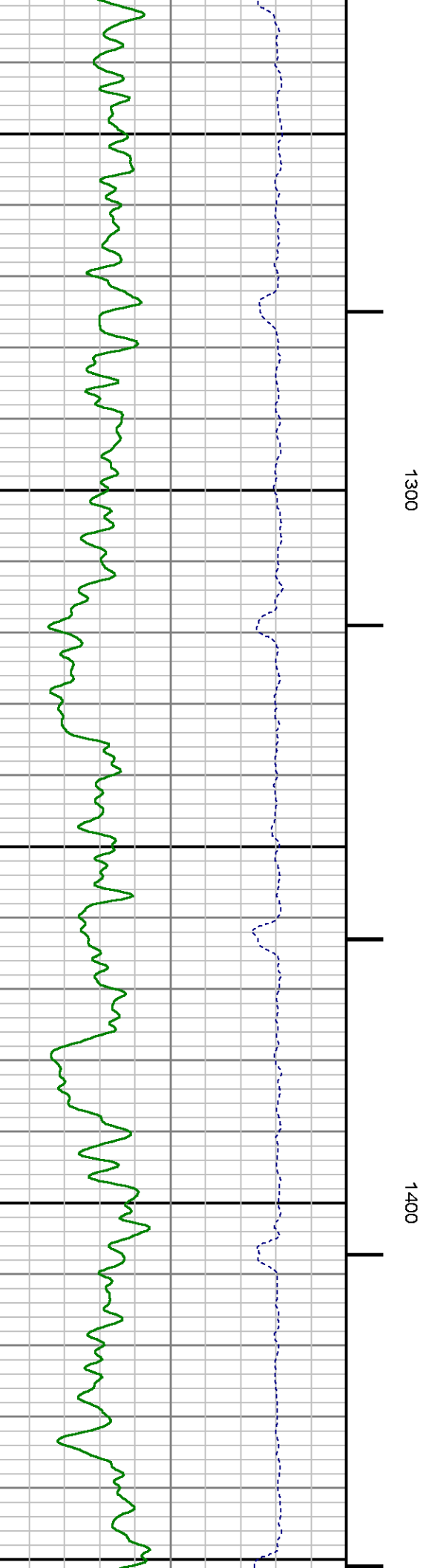
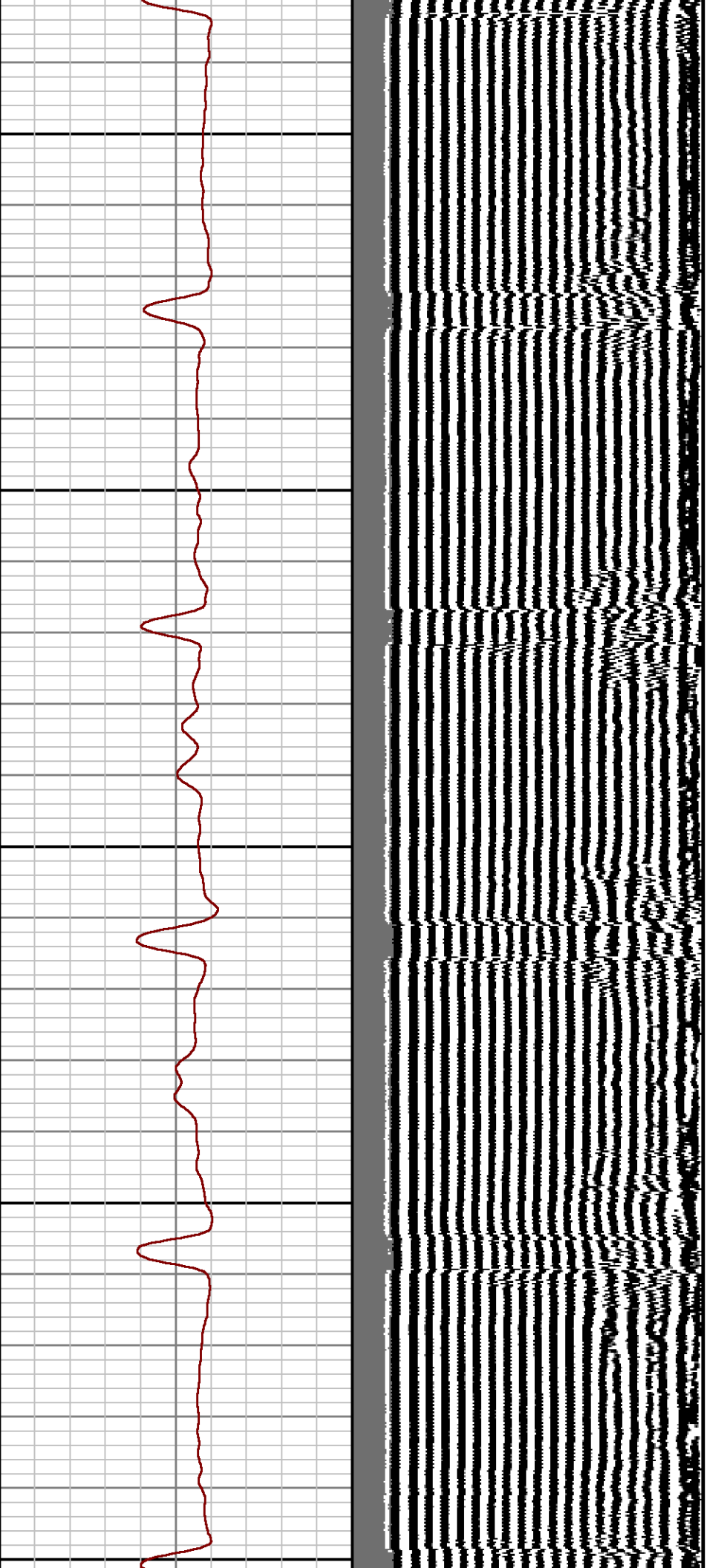
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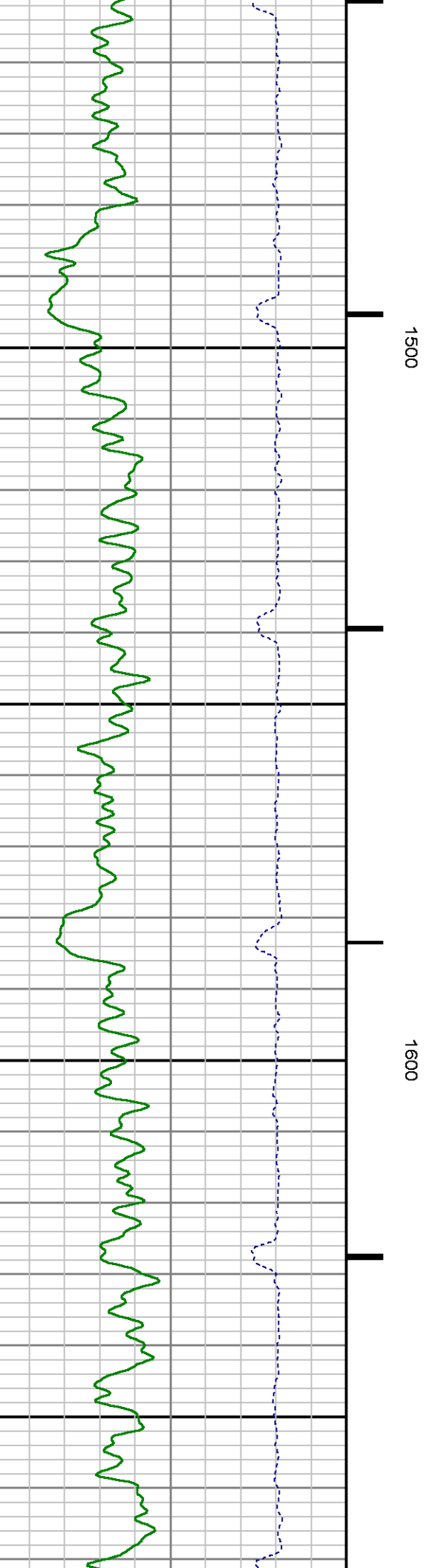
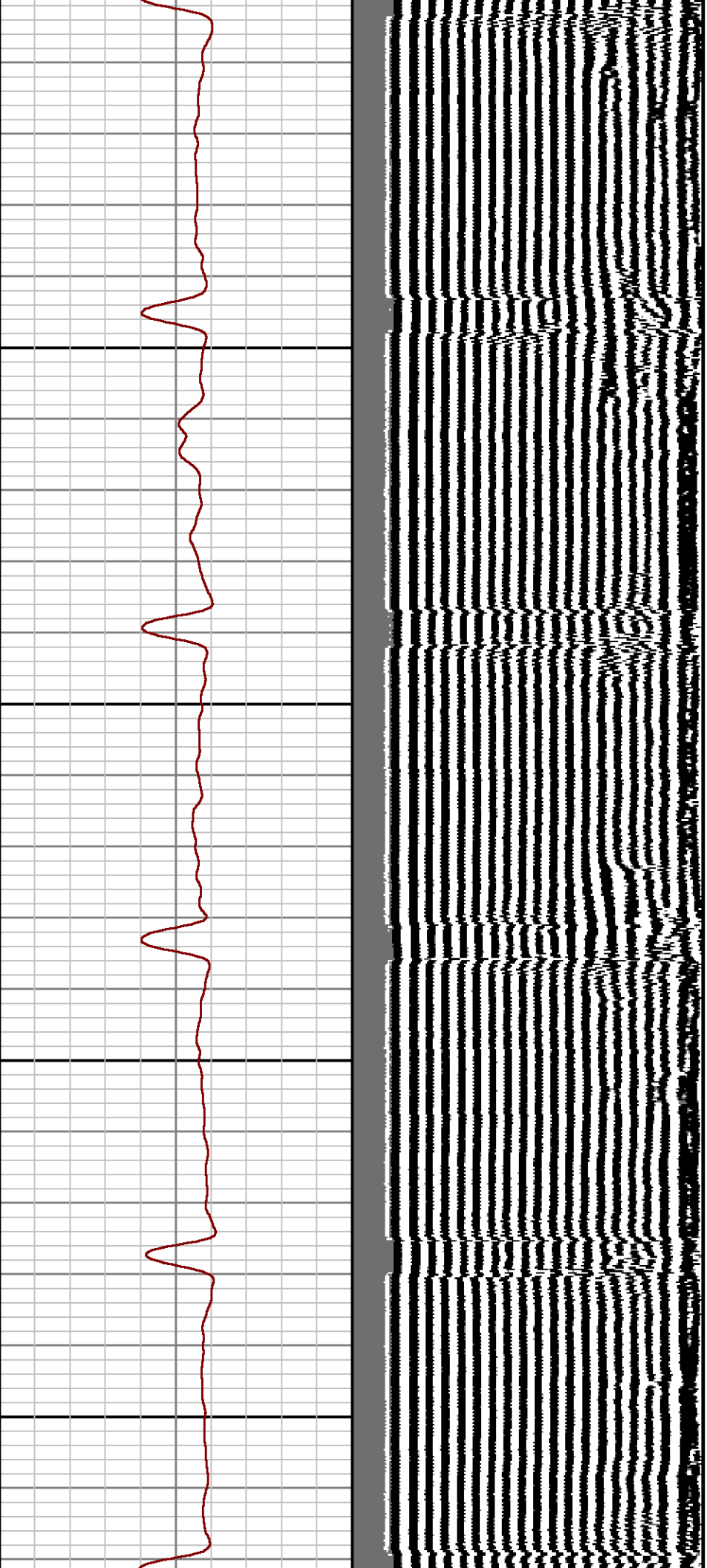
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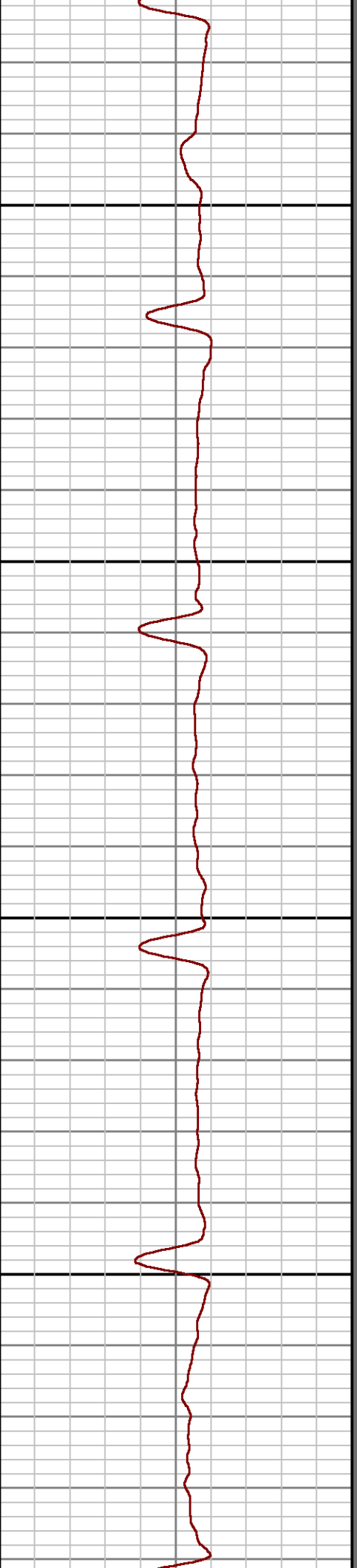
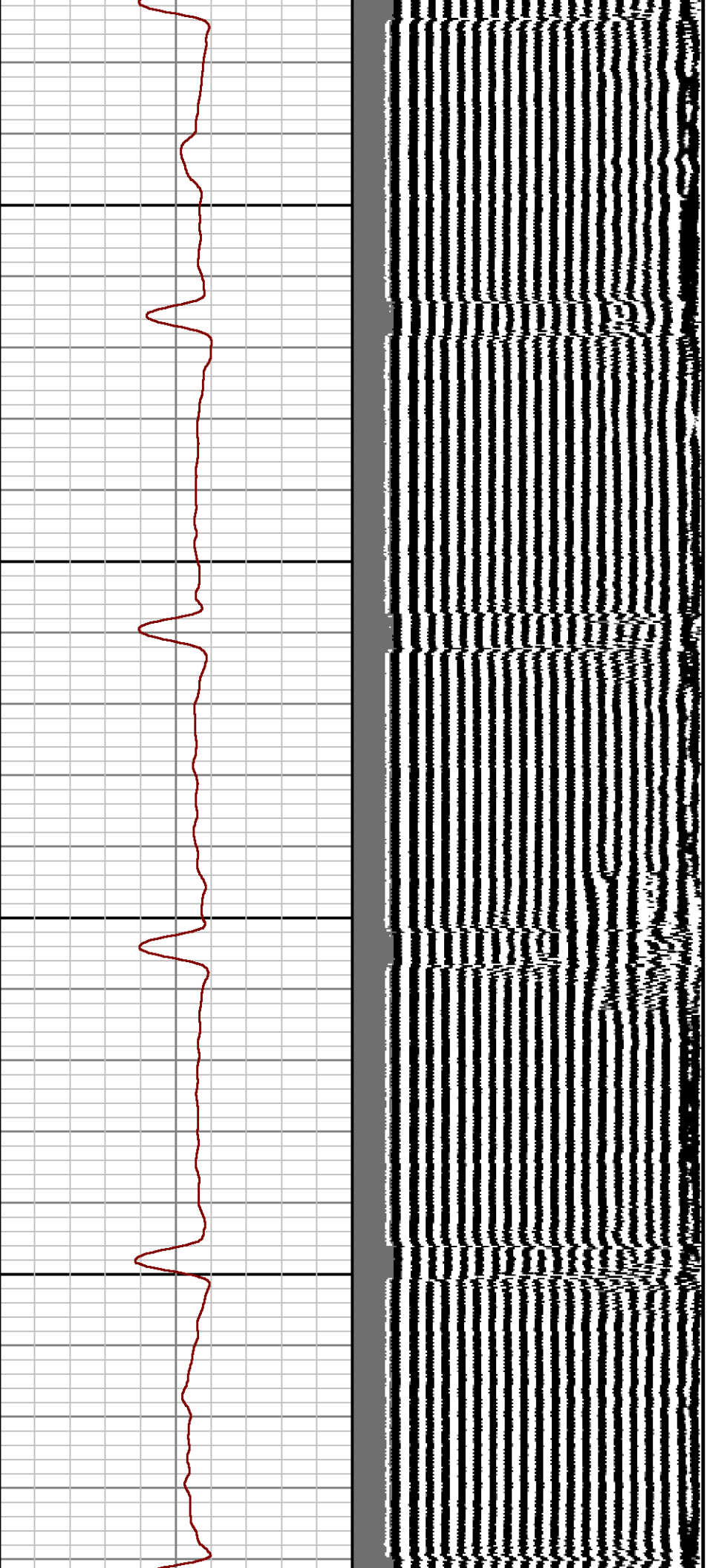






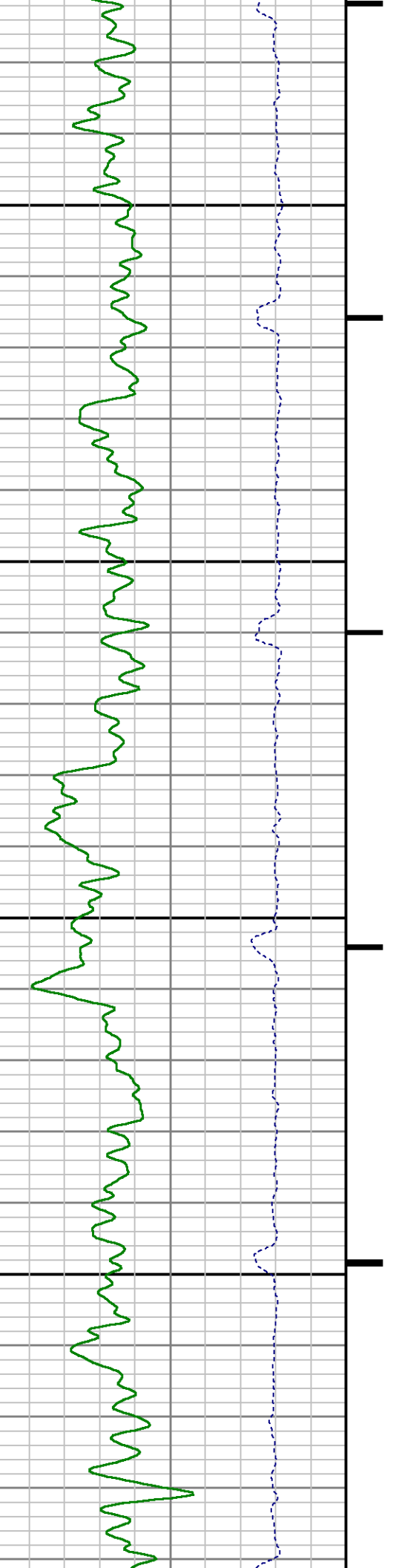


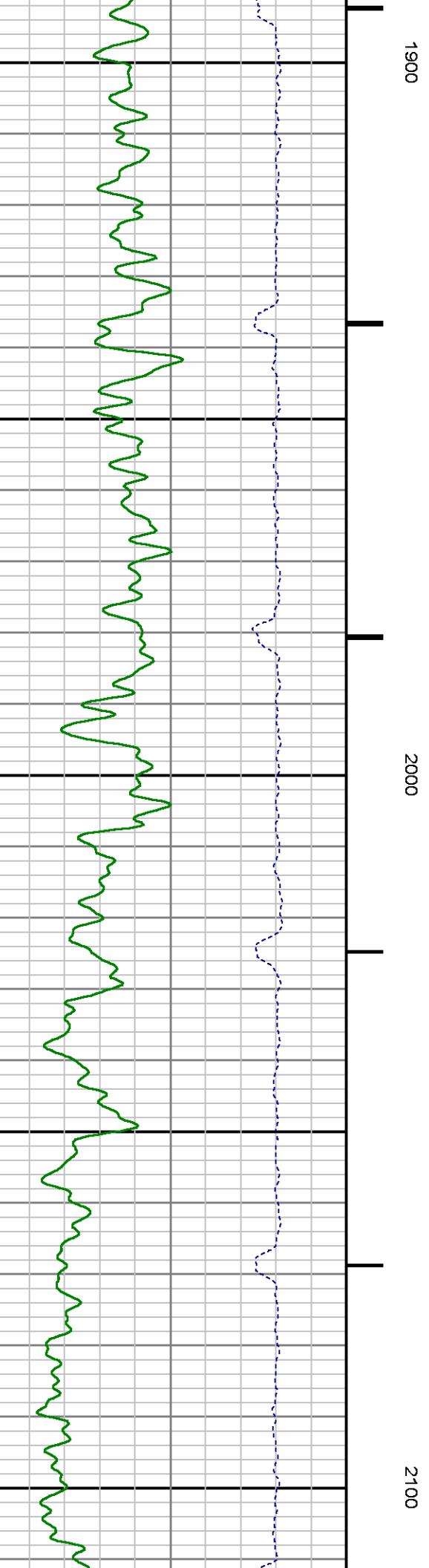
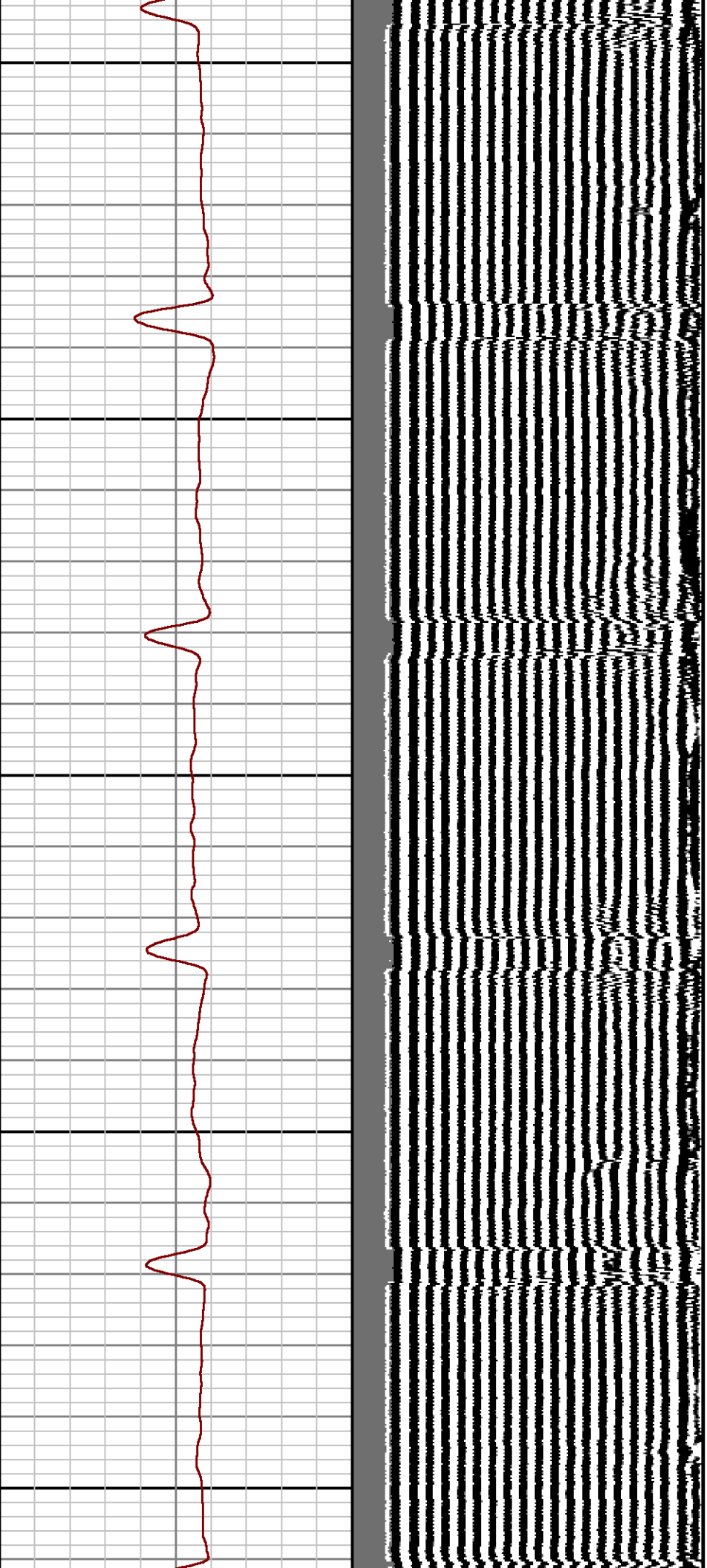


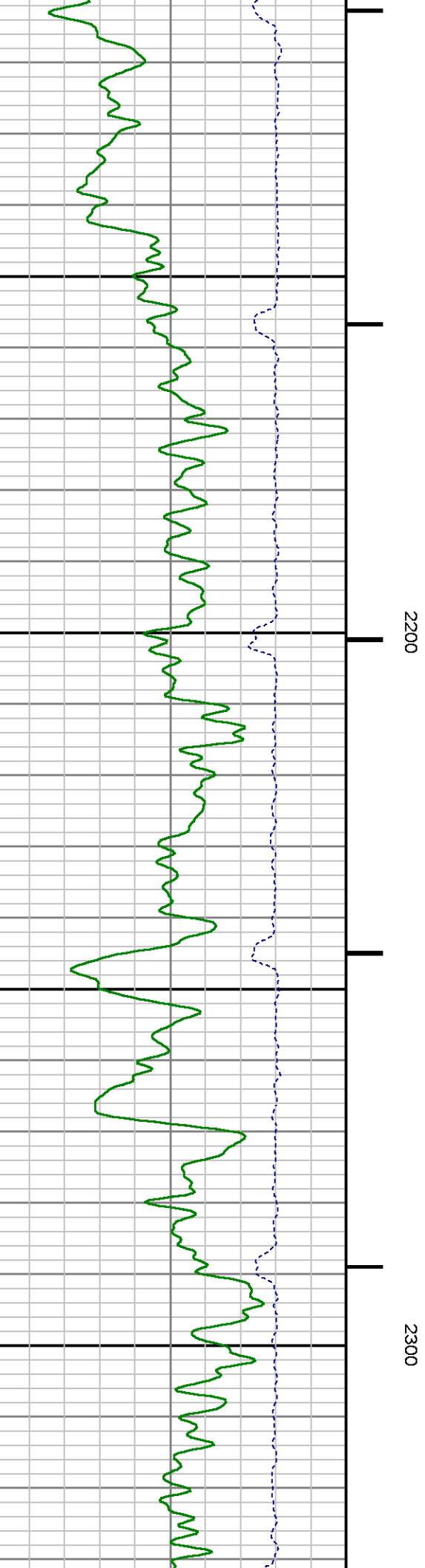
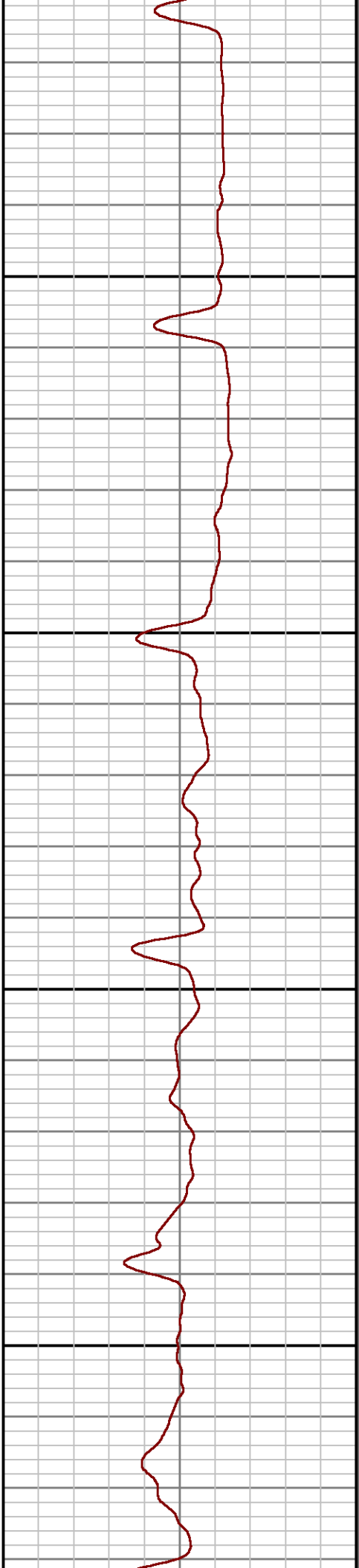
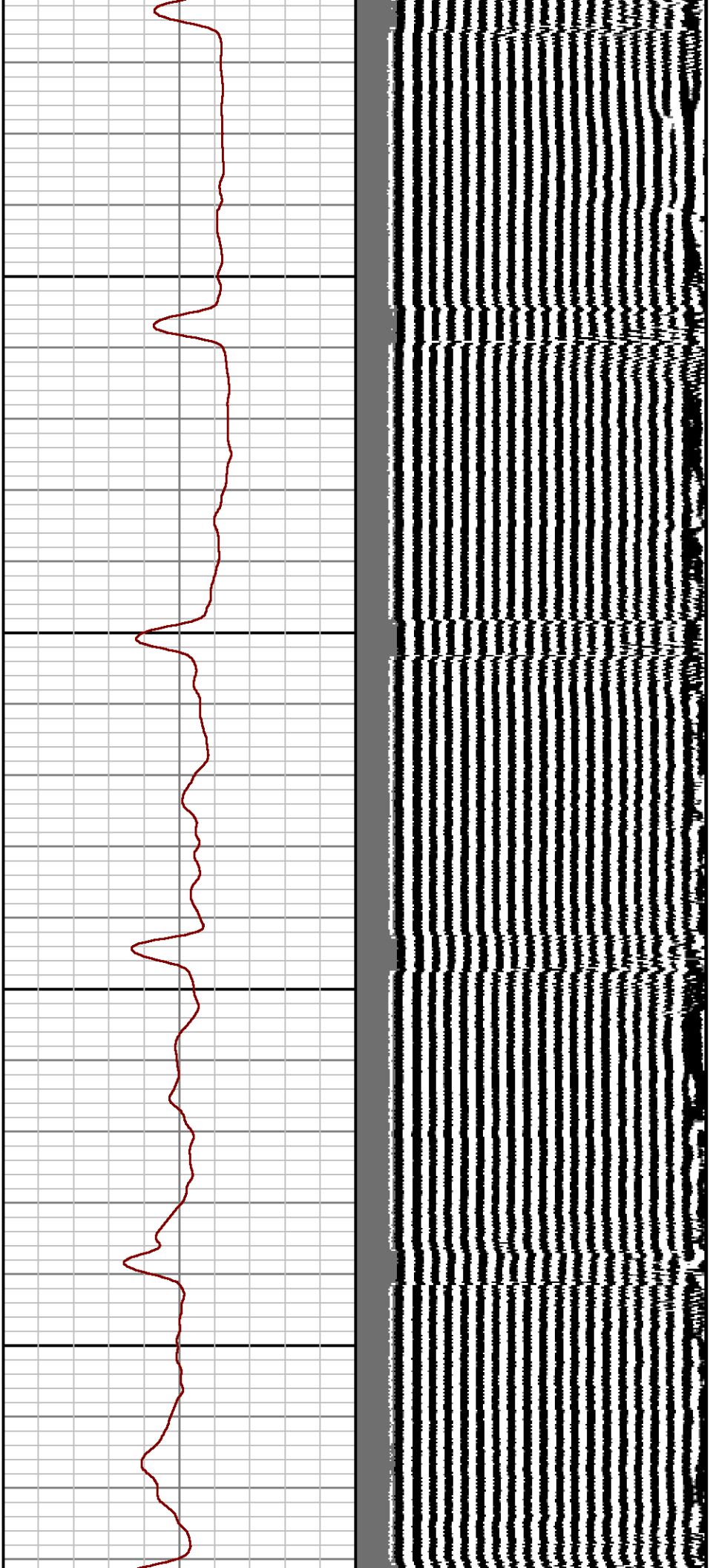


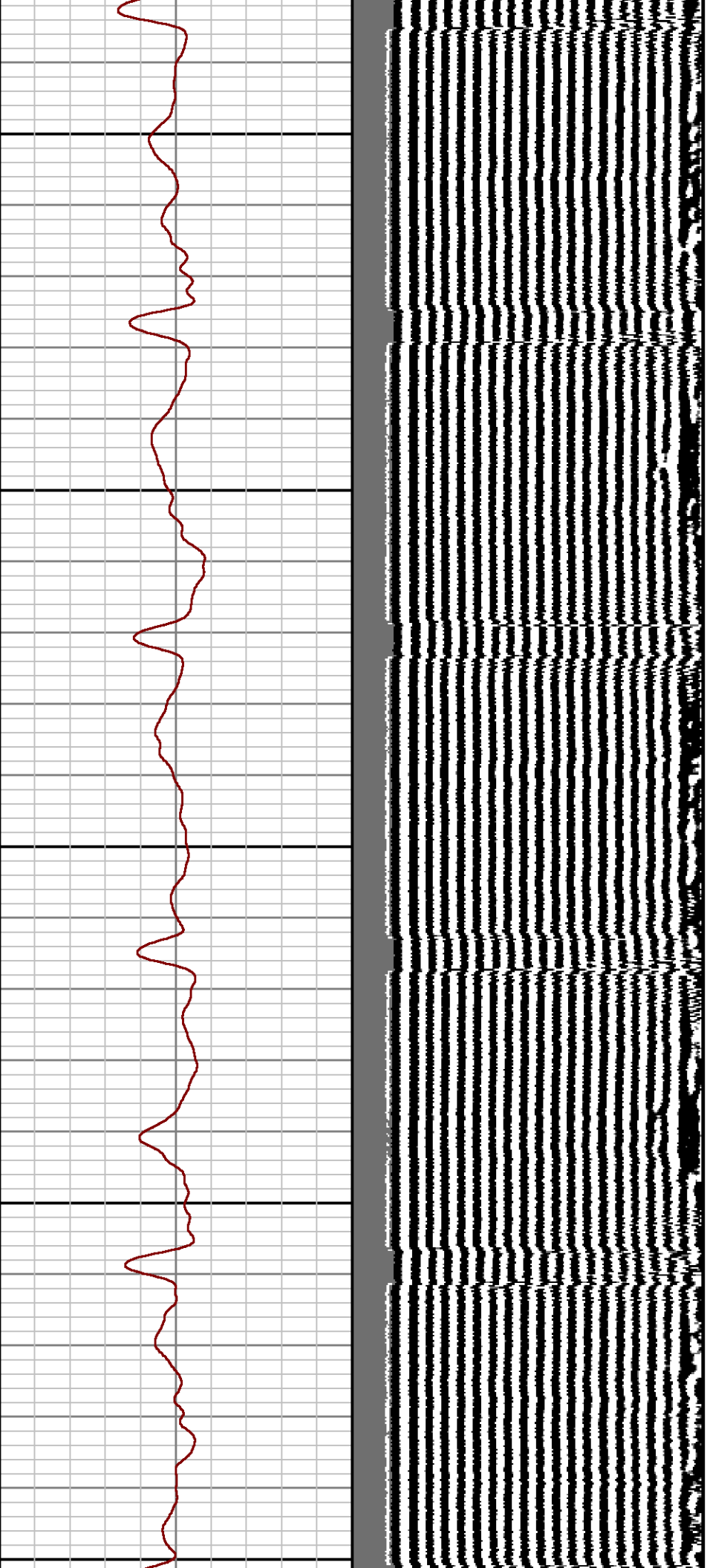
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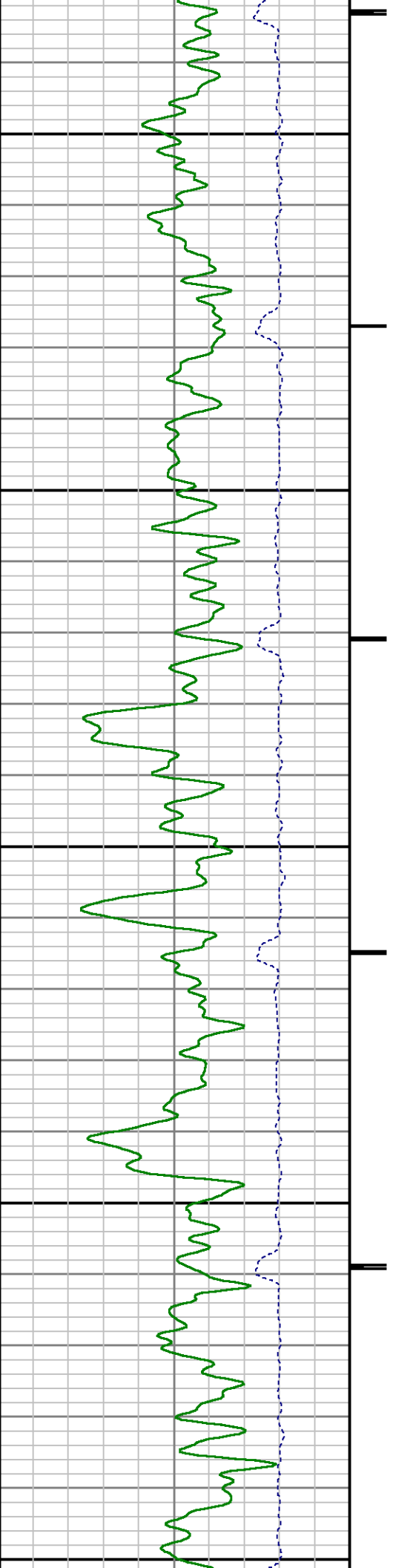


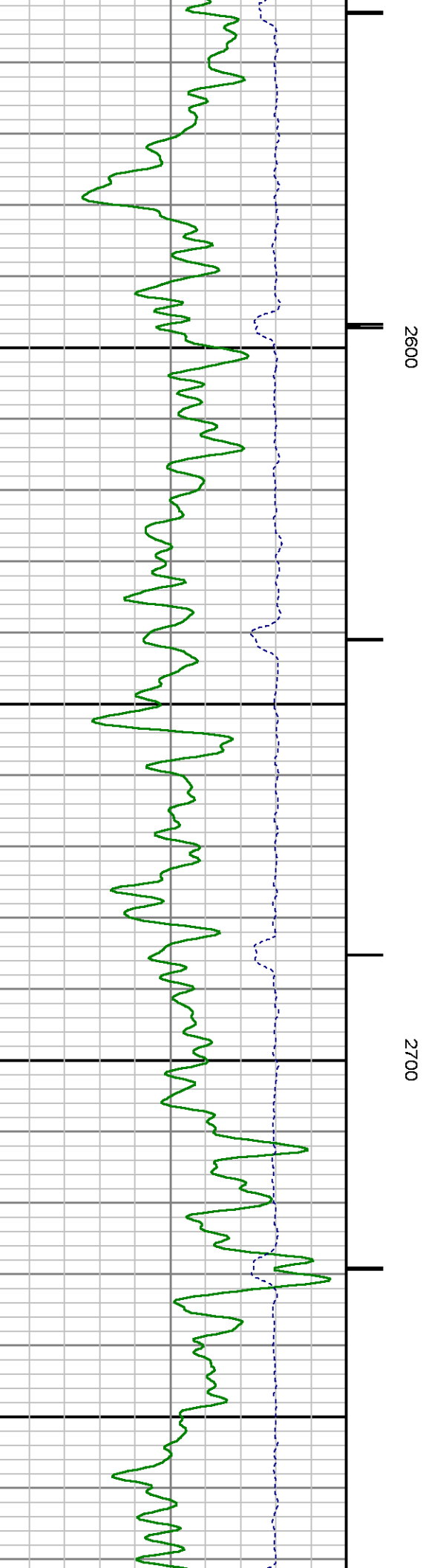
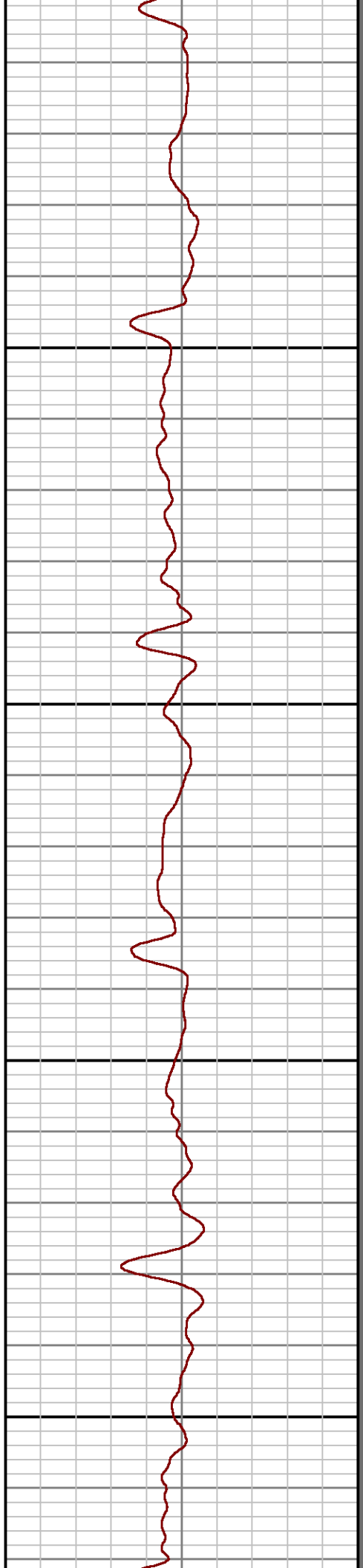
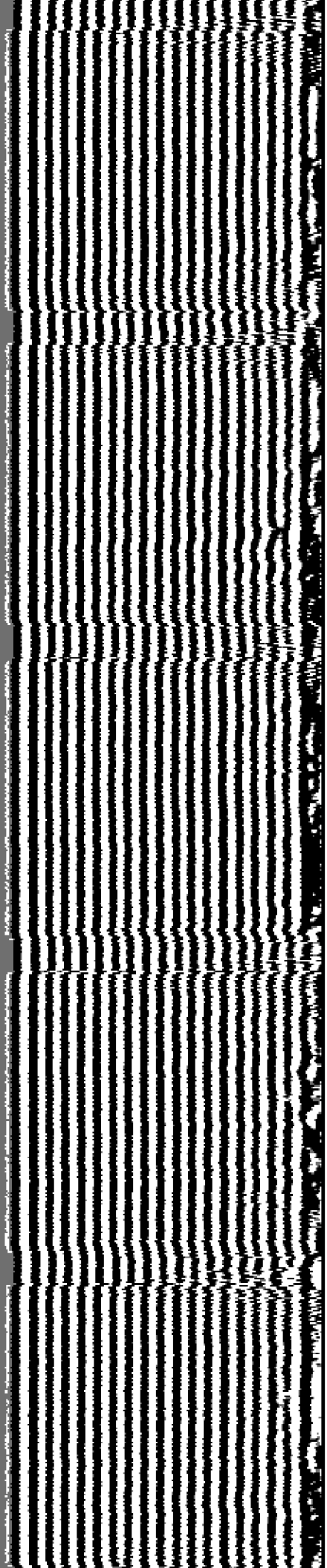


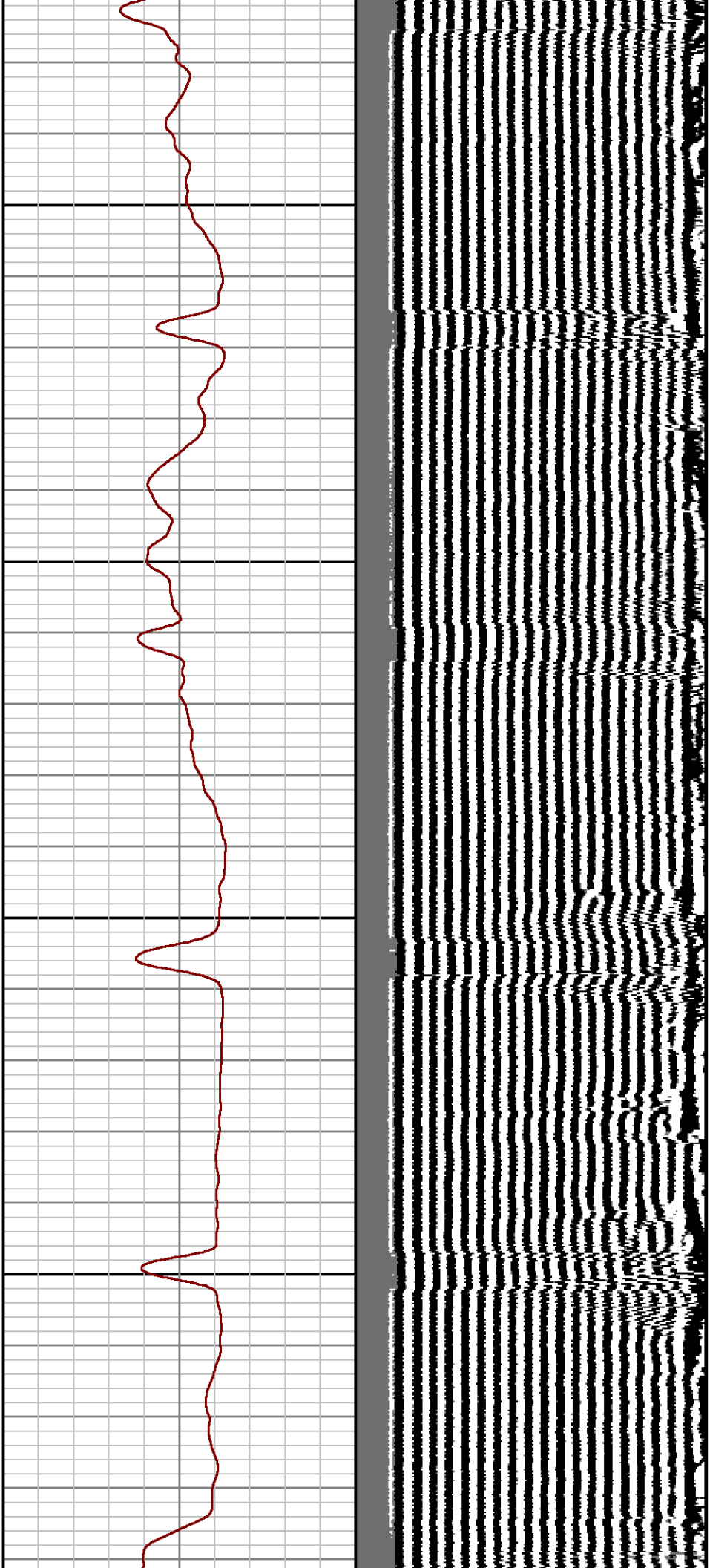


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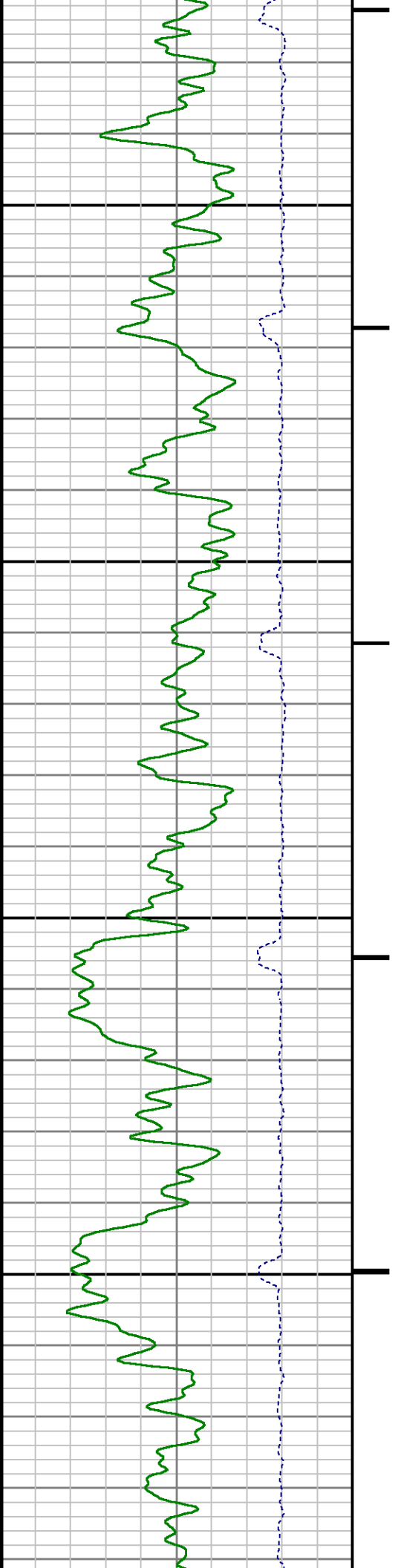


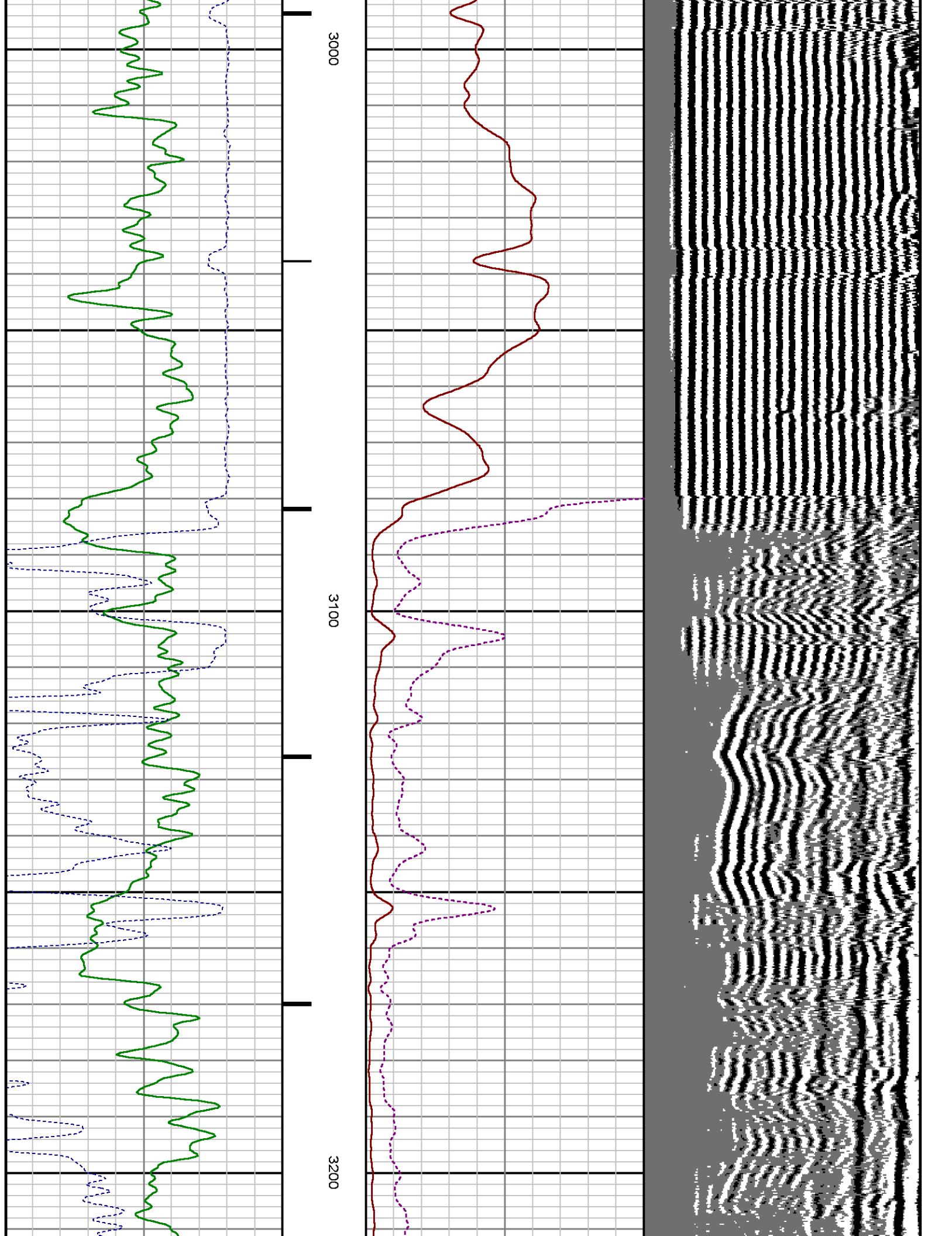


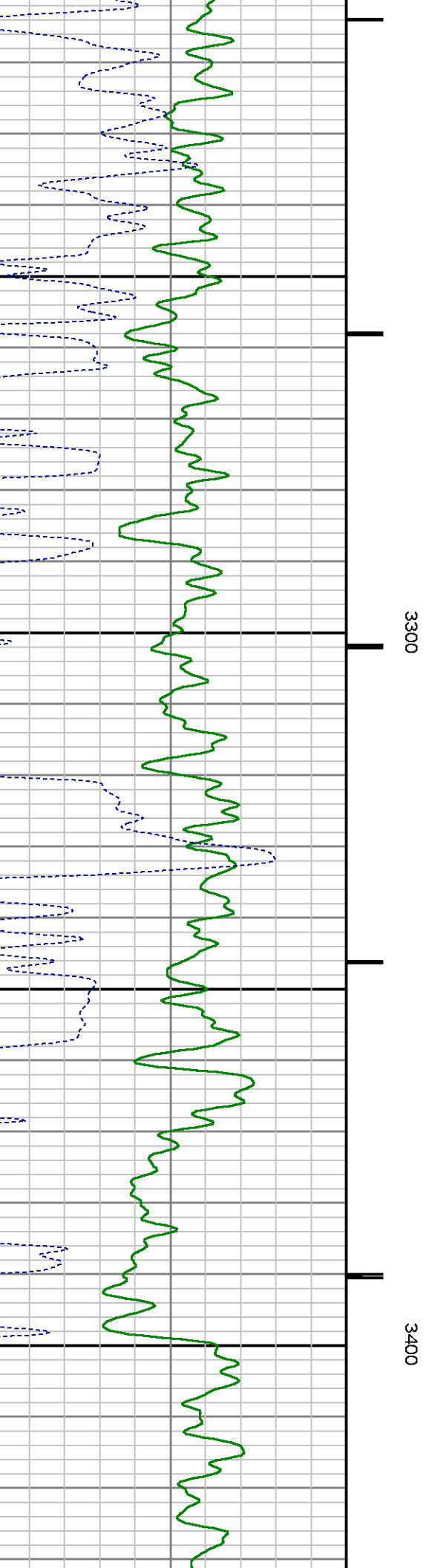
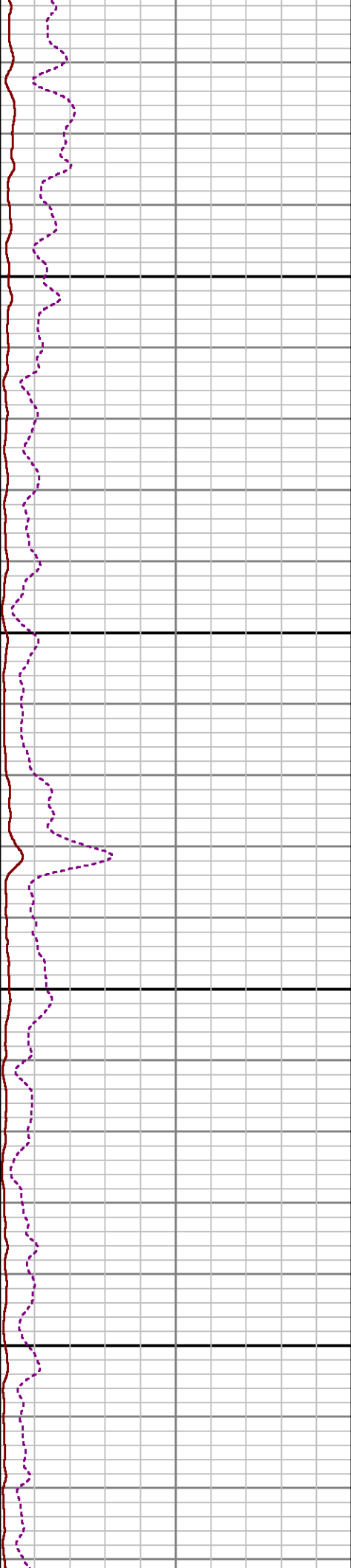
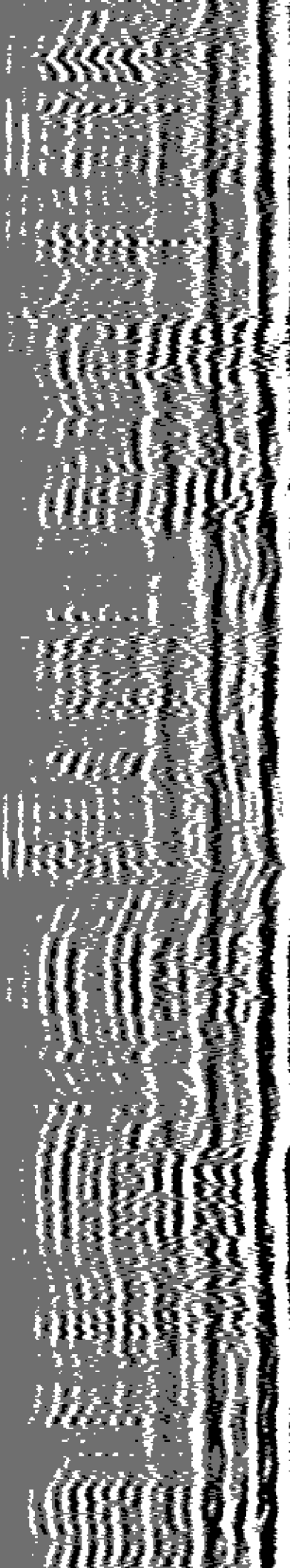


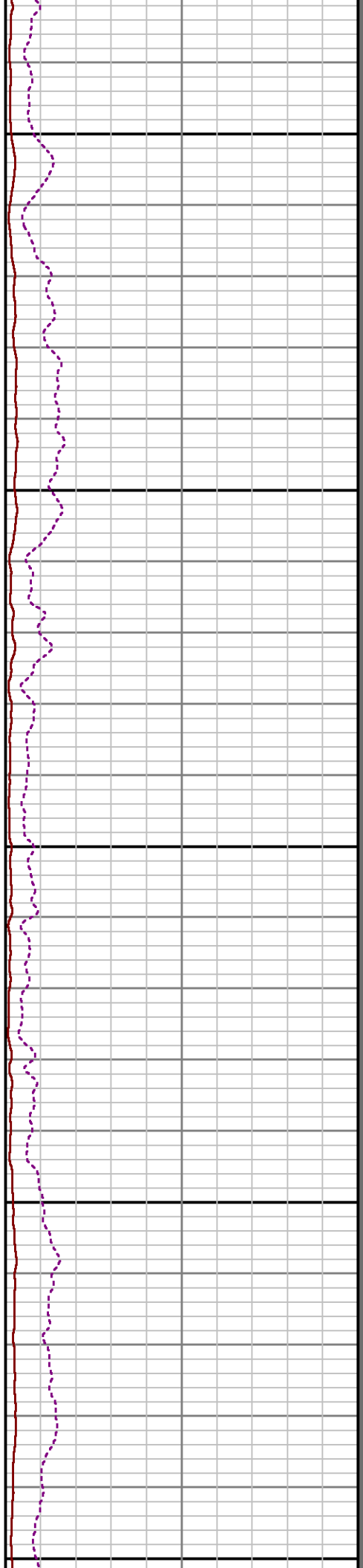
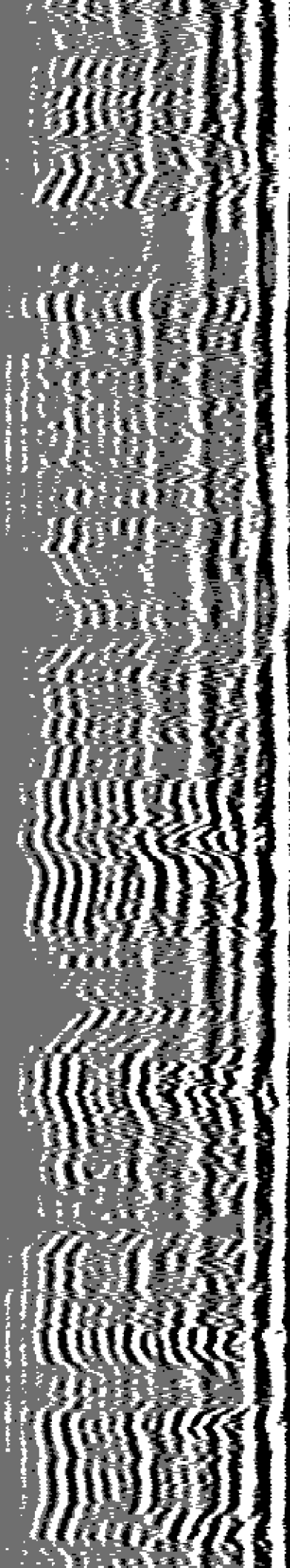
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2900



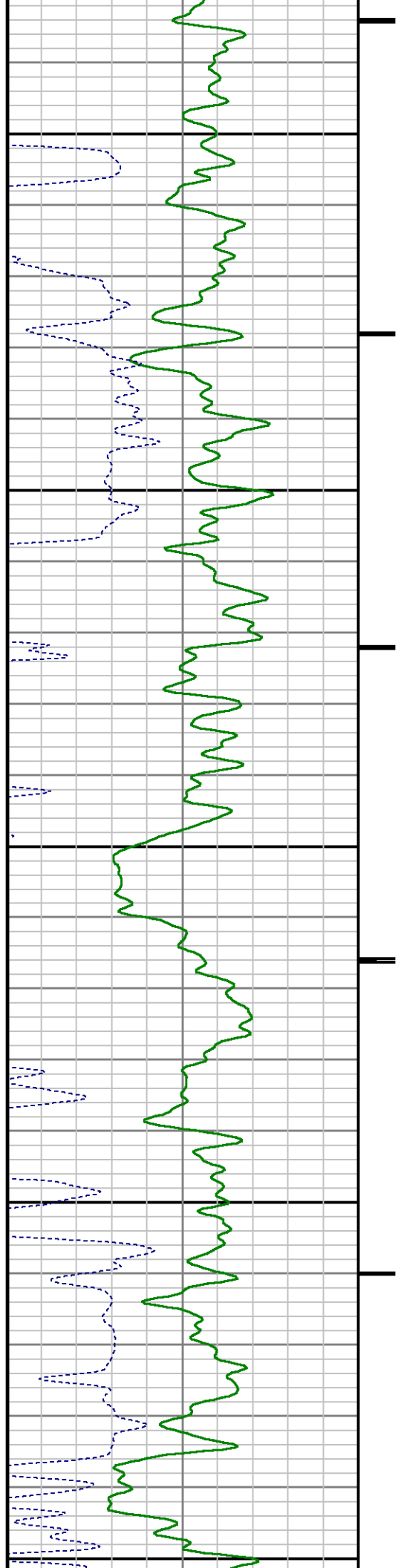


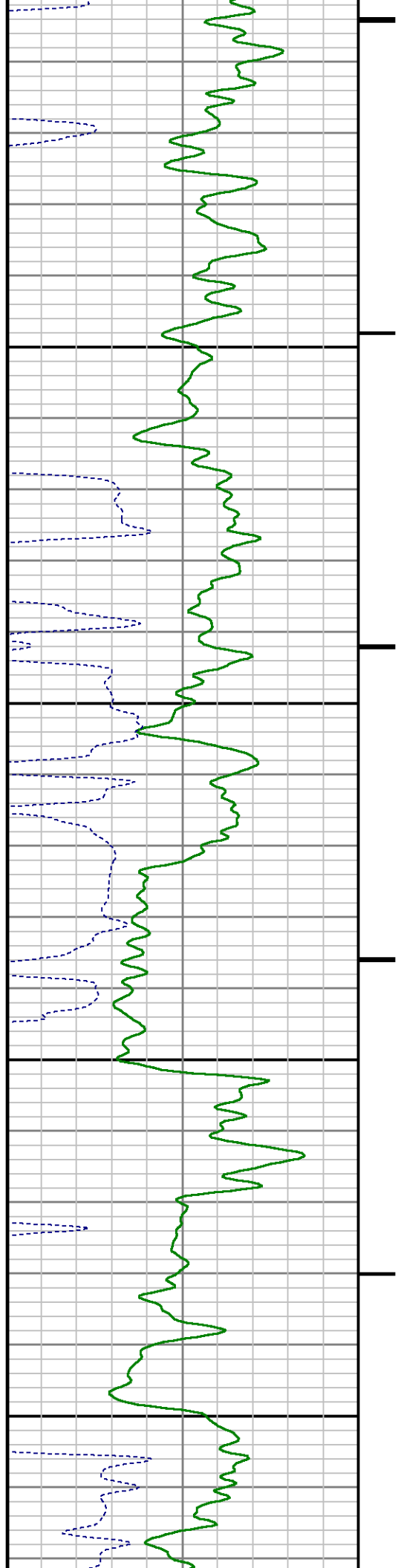
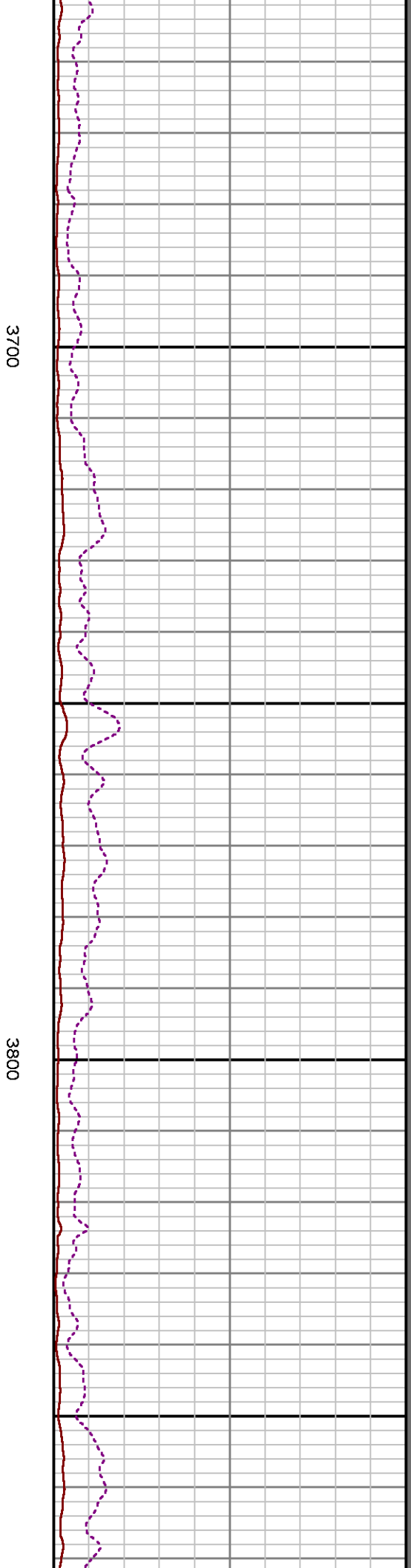
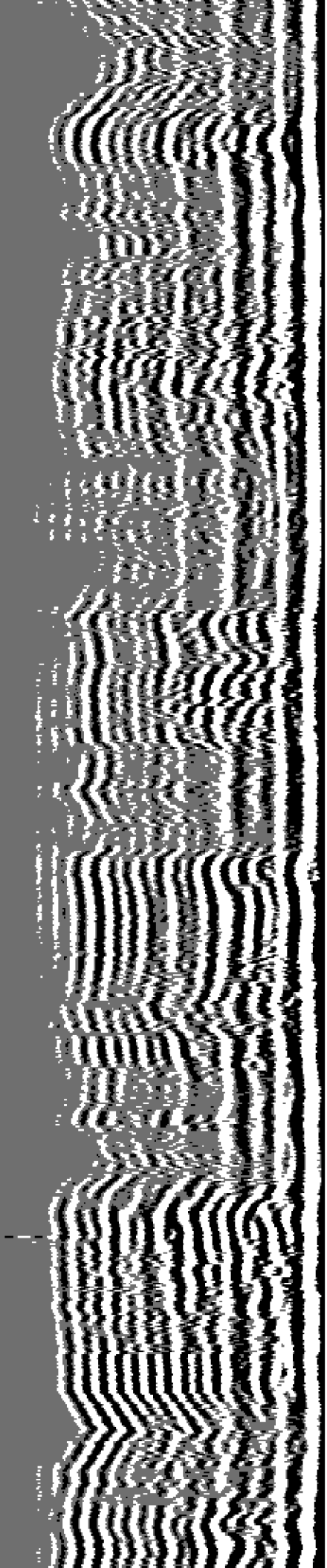


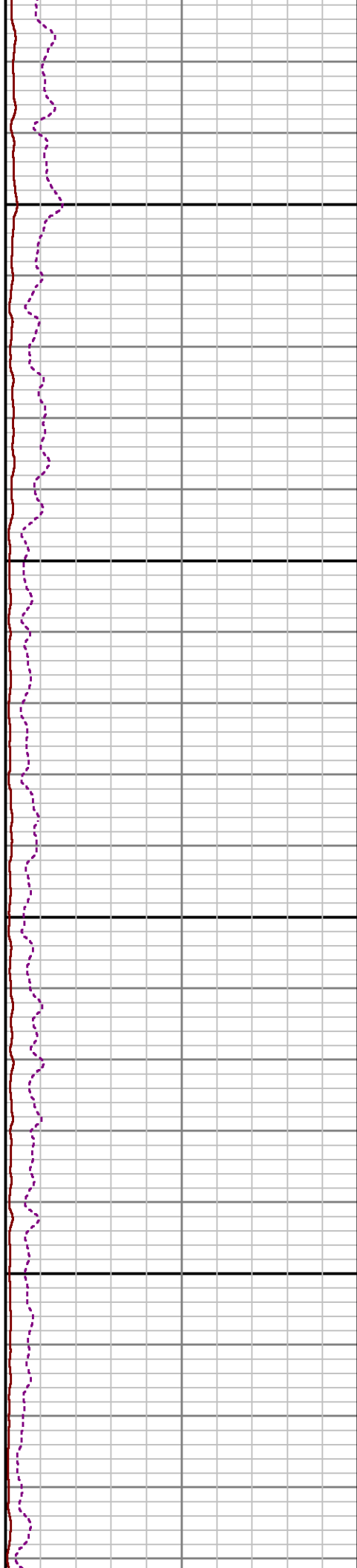
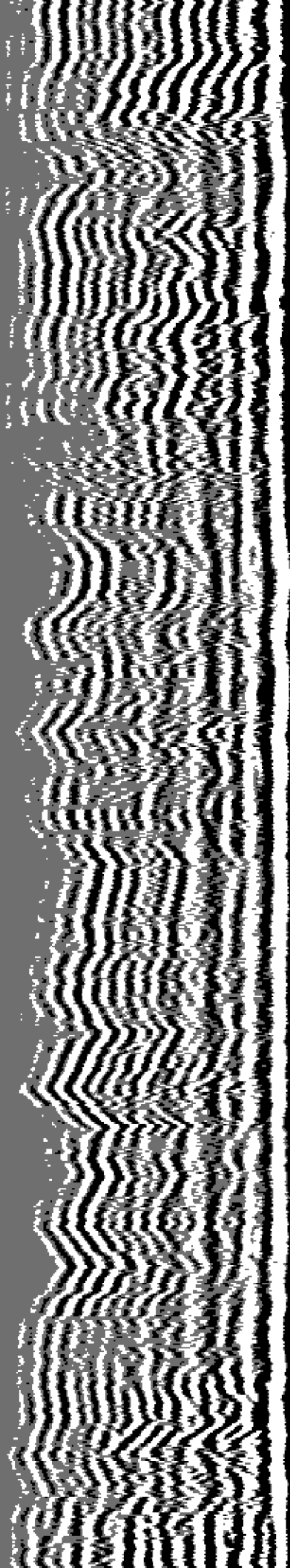


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3600

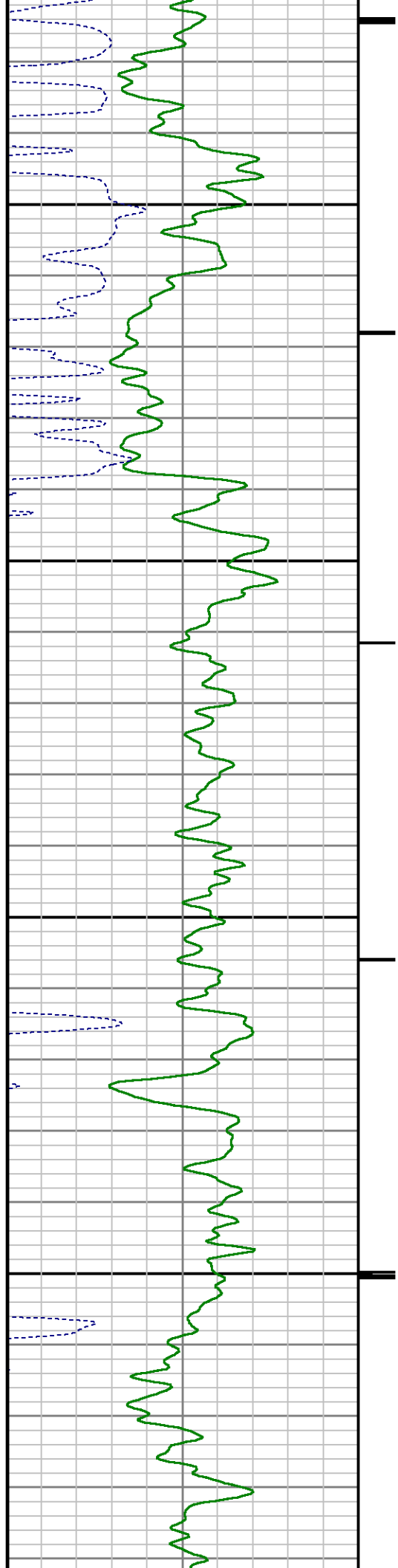


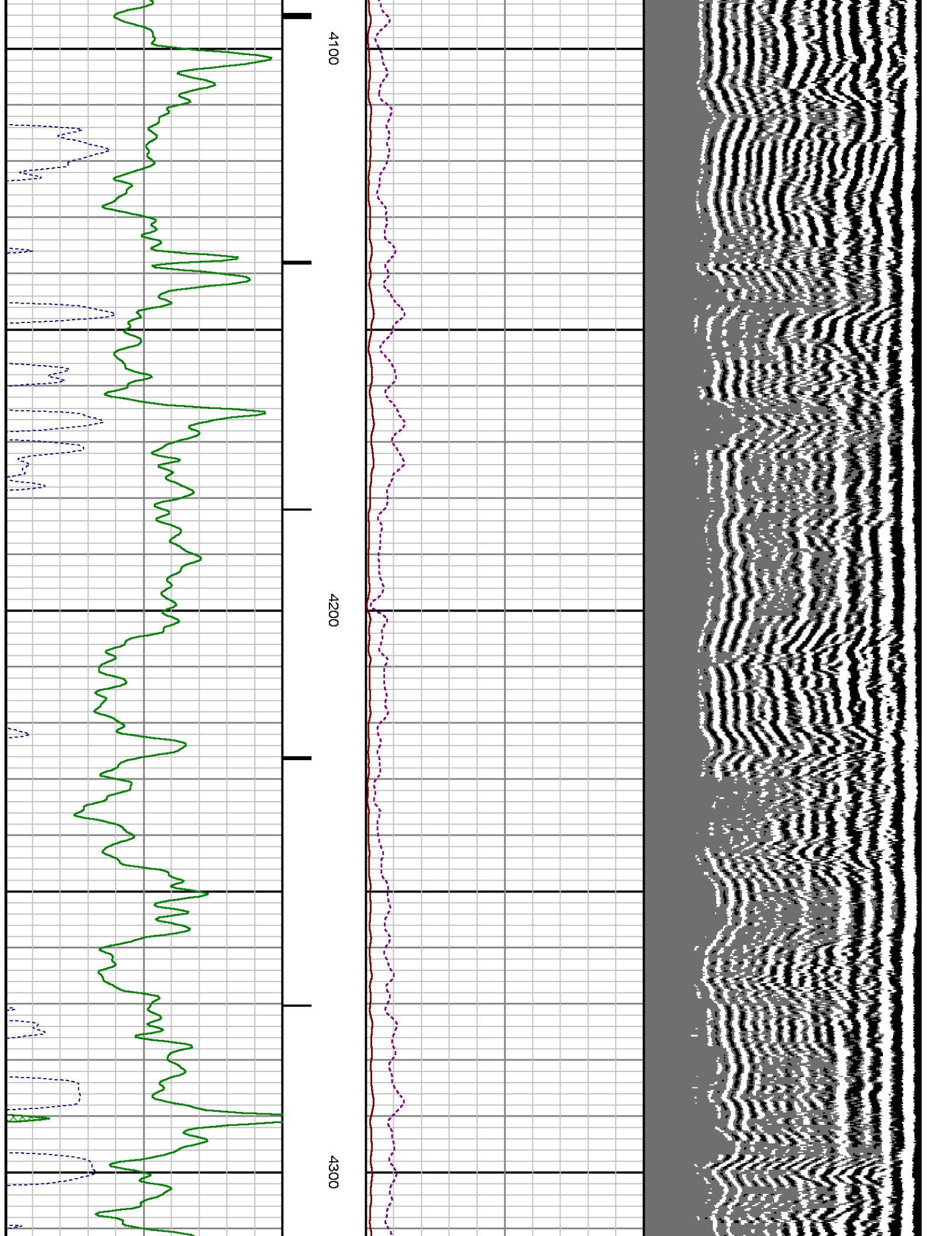


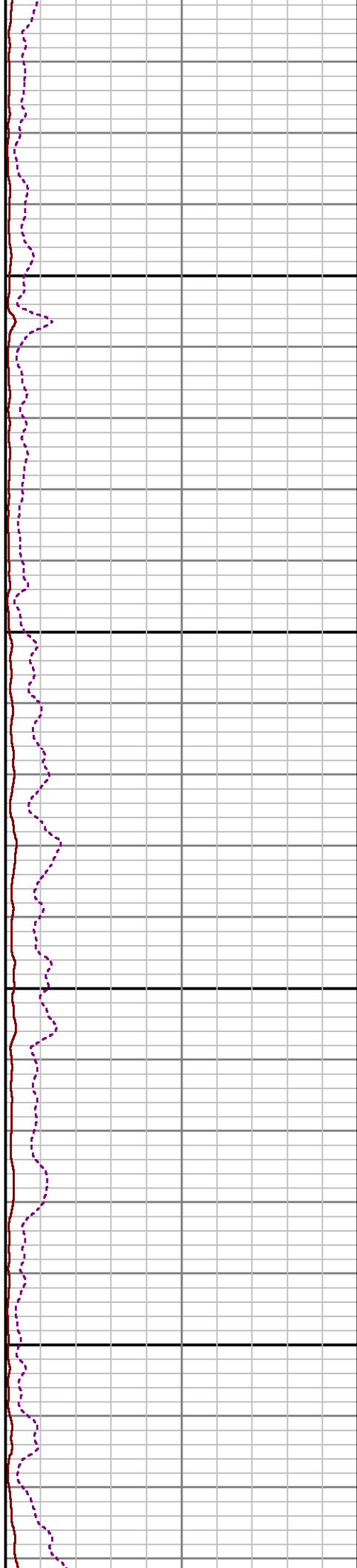
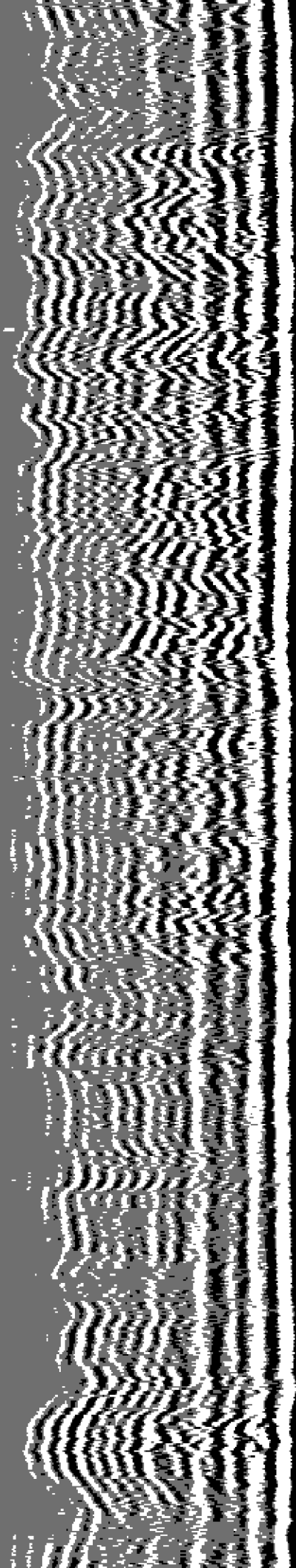


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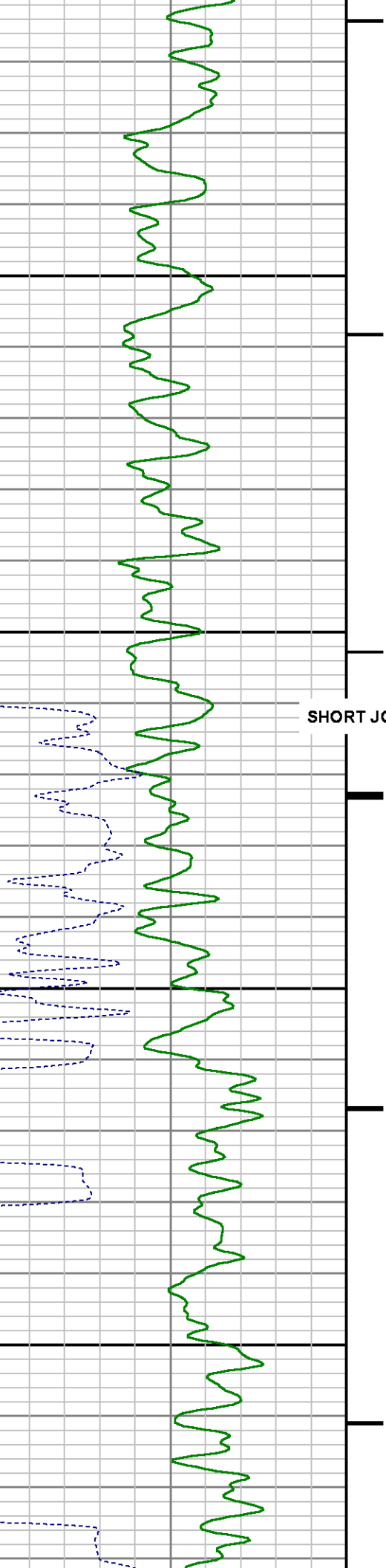


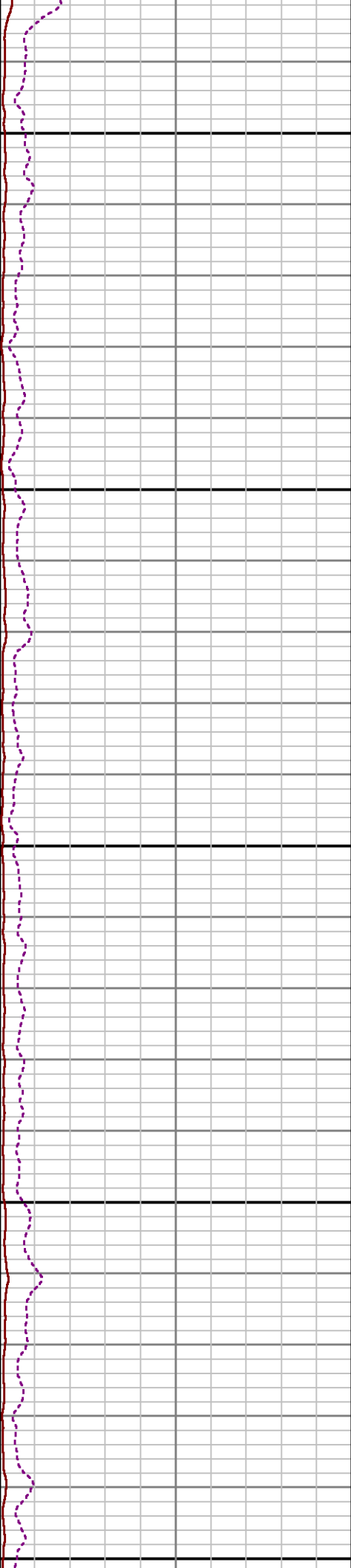
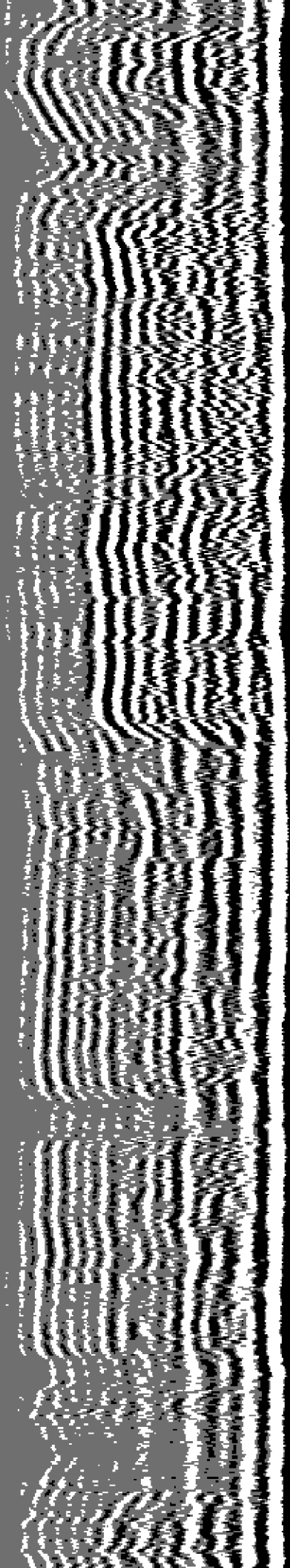


SHORT JOINT

4400

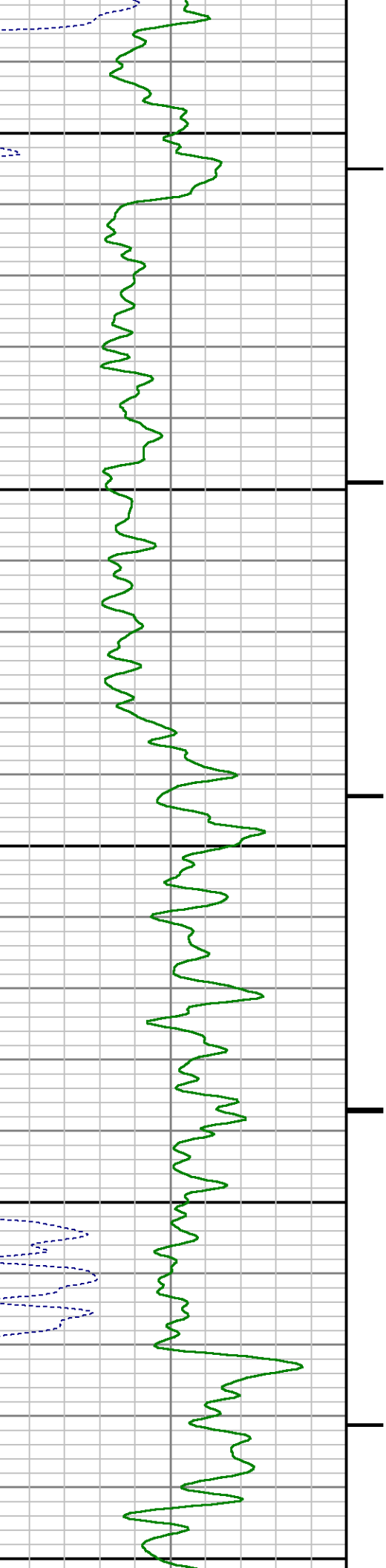
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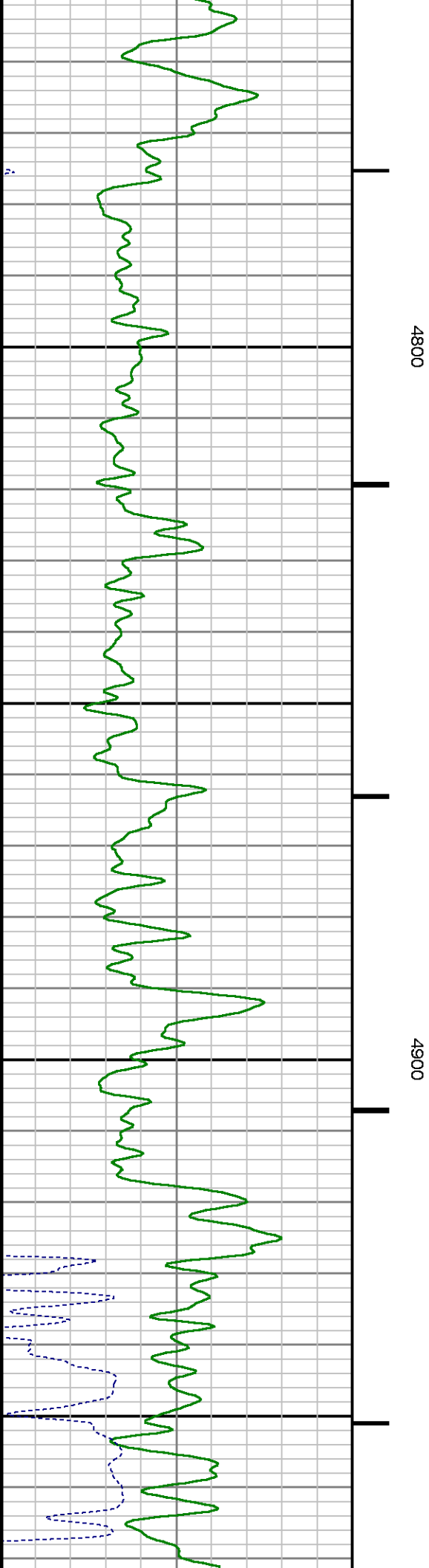
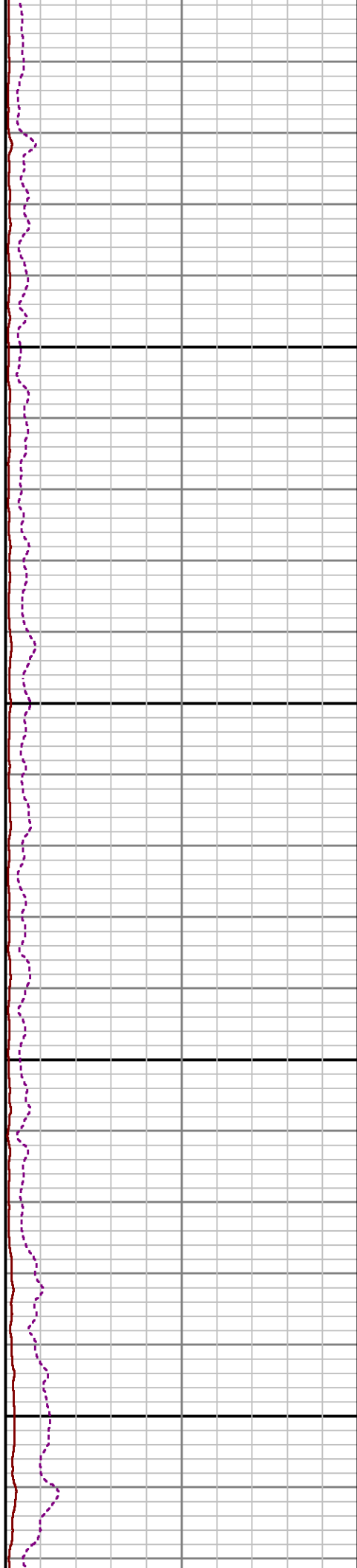
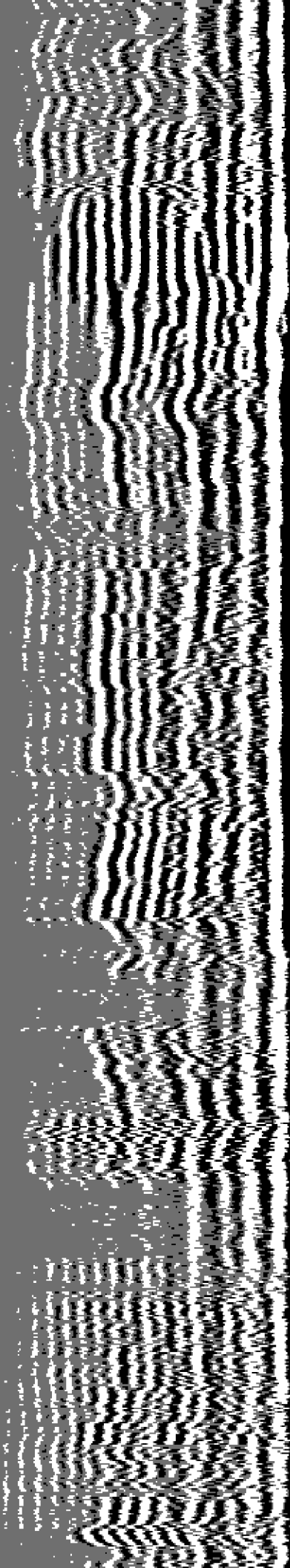


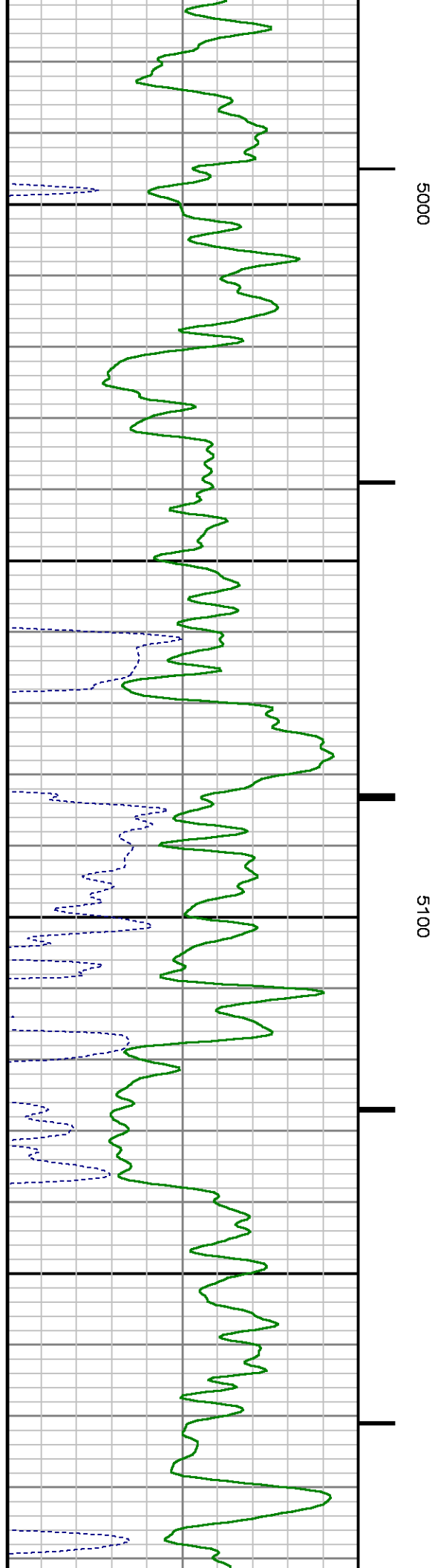
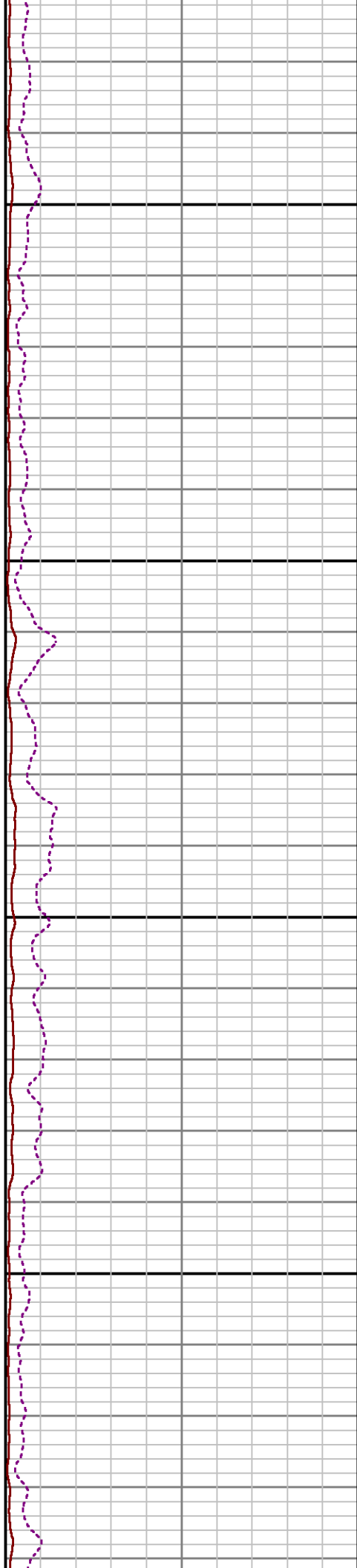
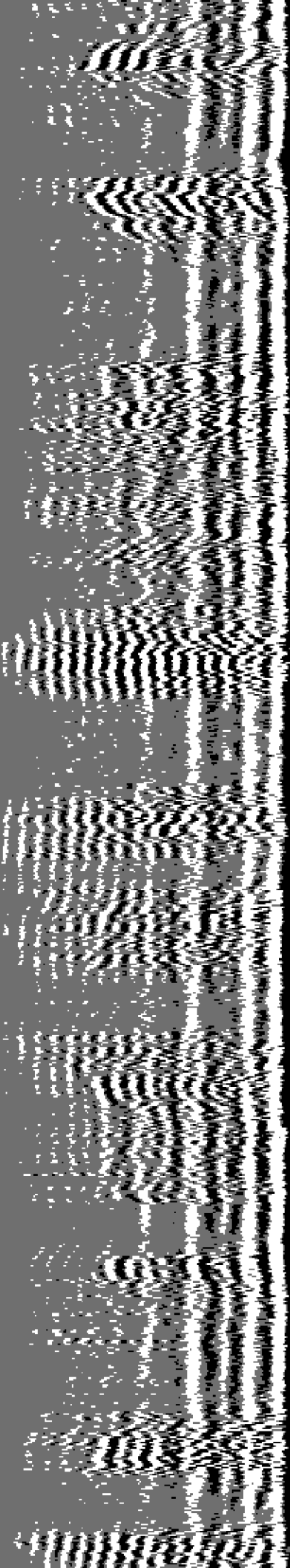


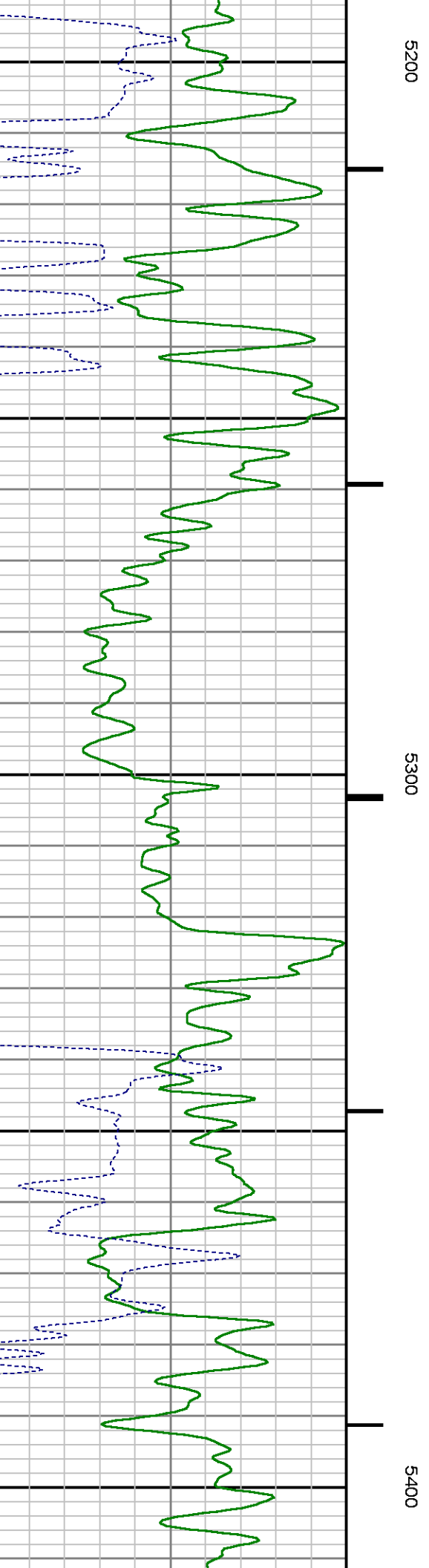
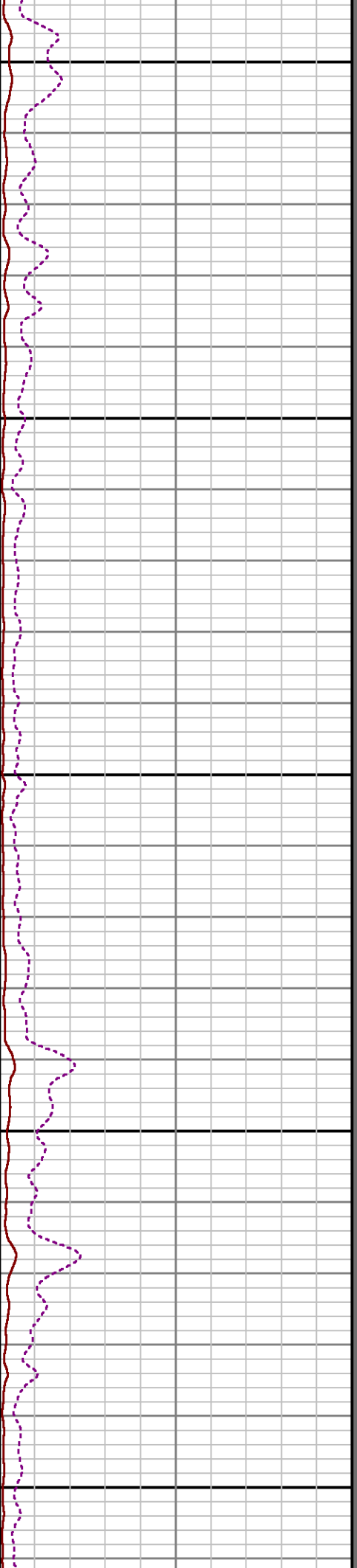
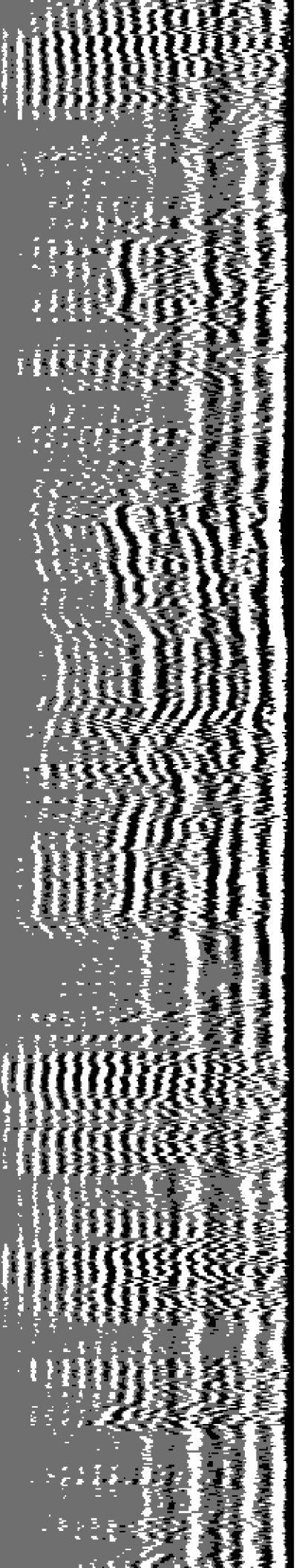
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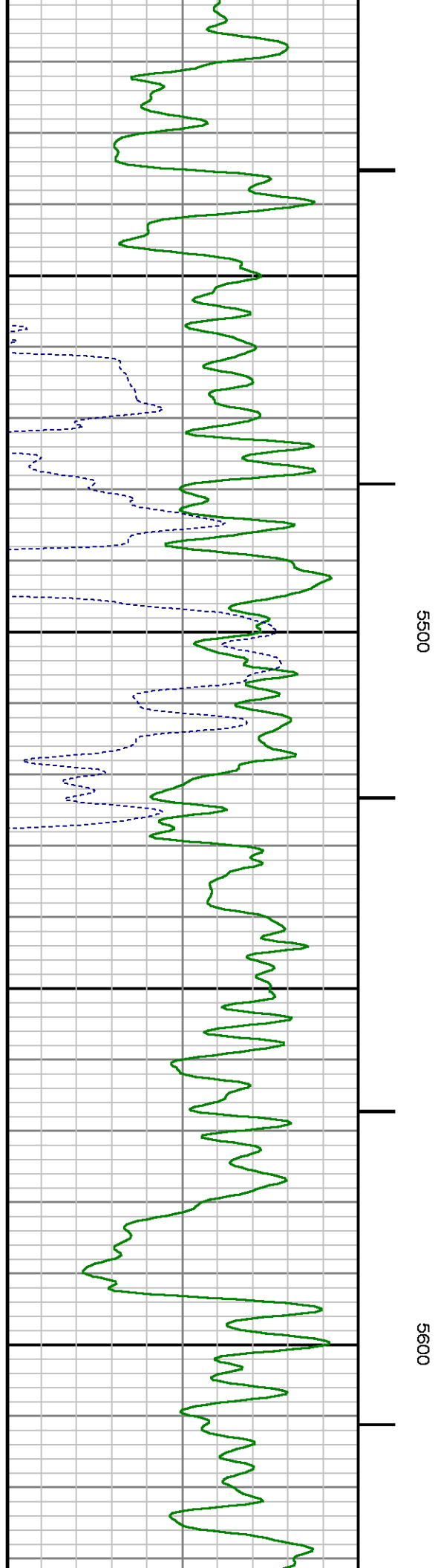
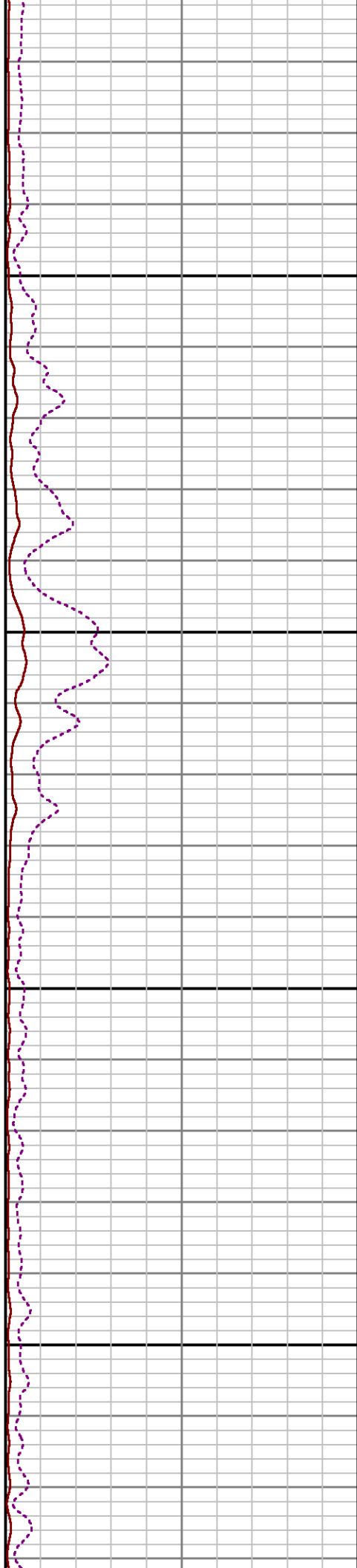
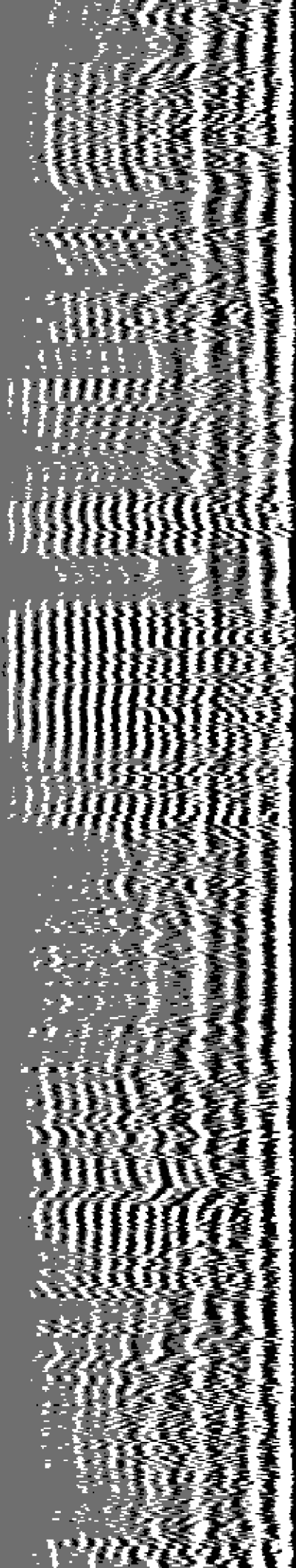
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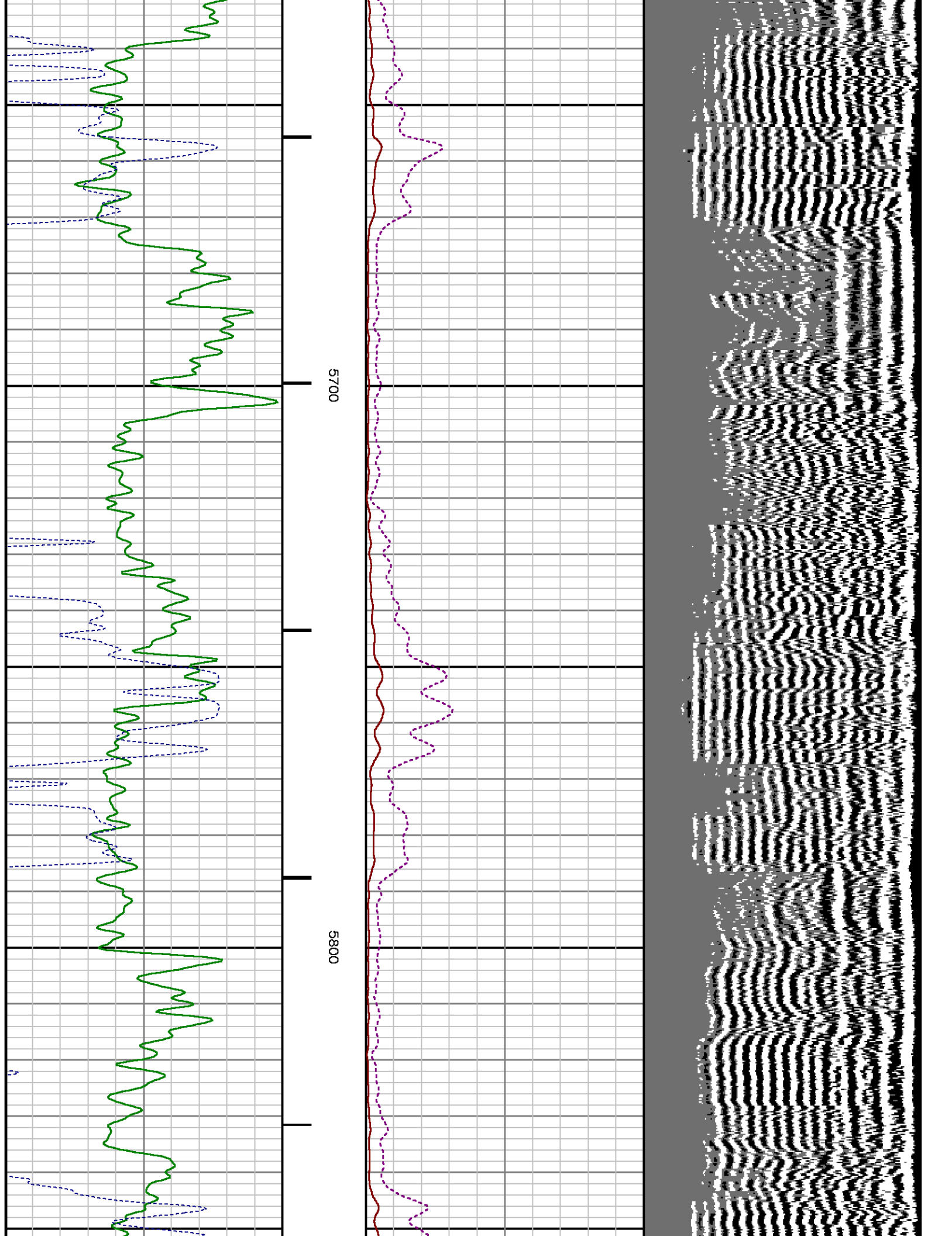


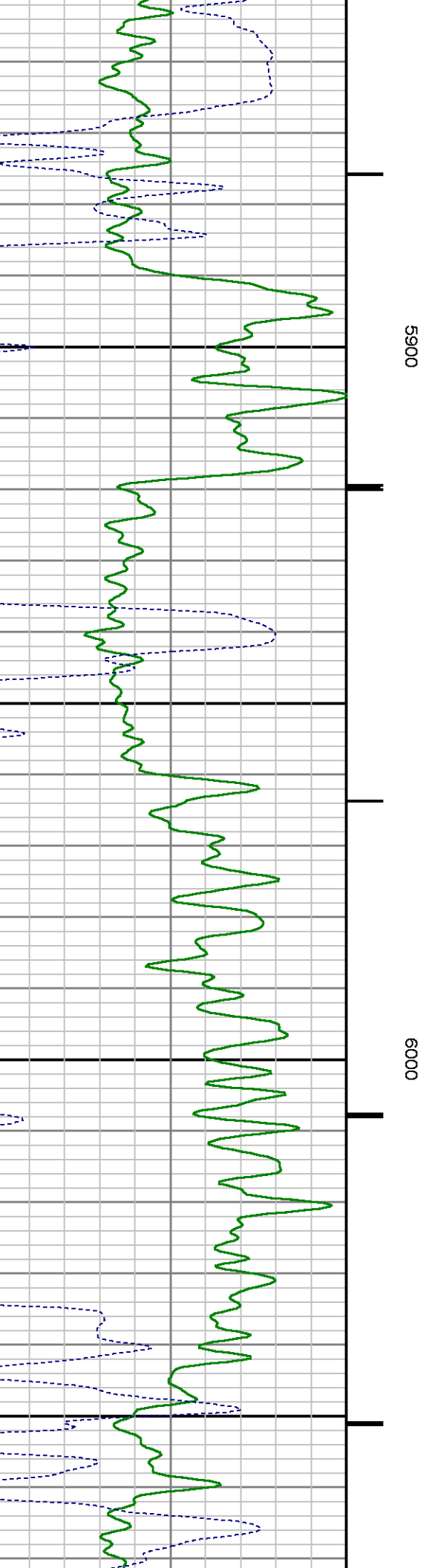
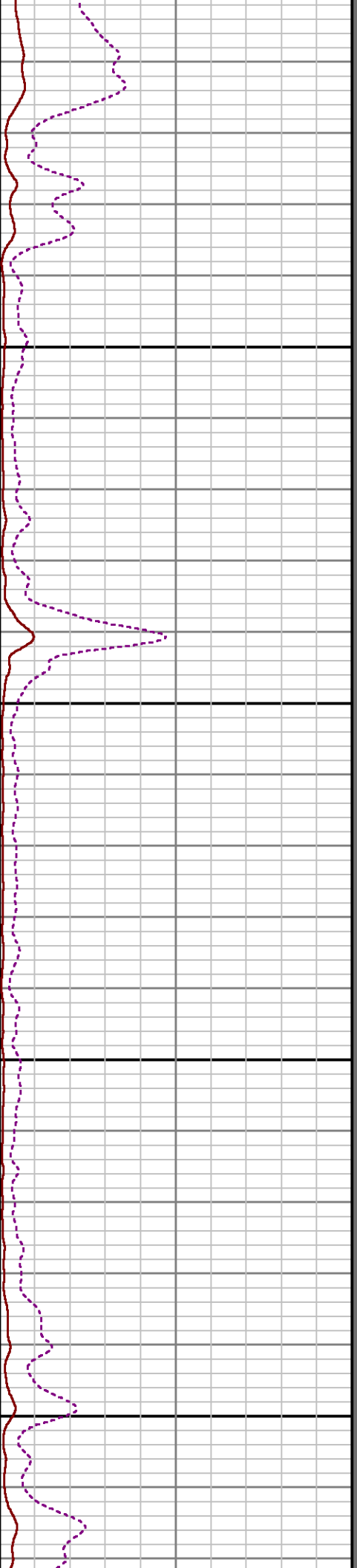
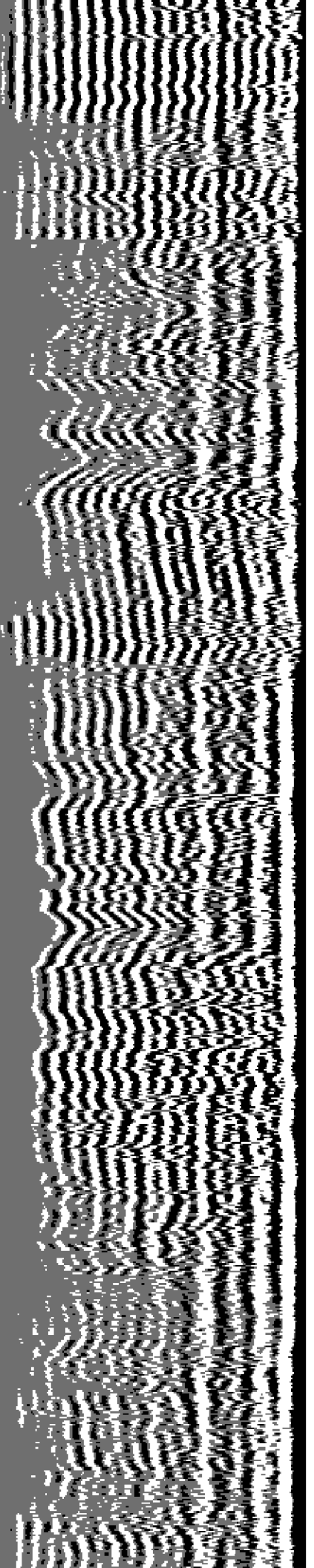


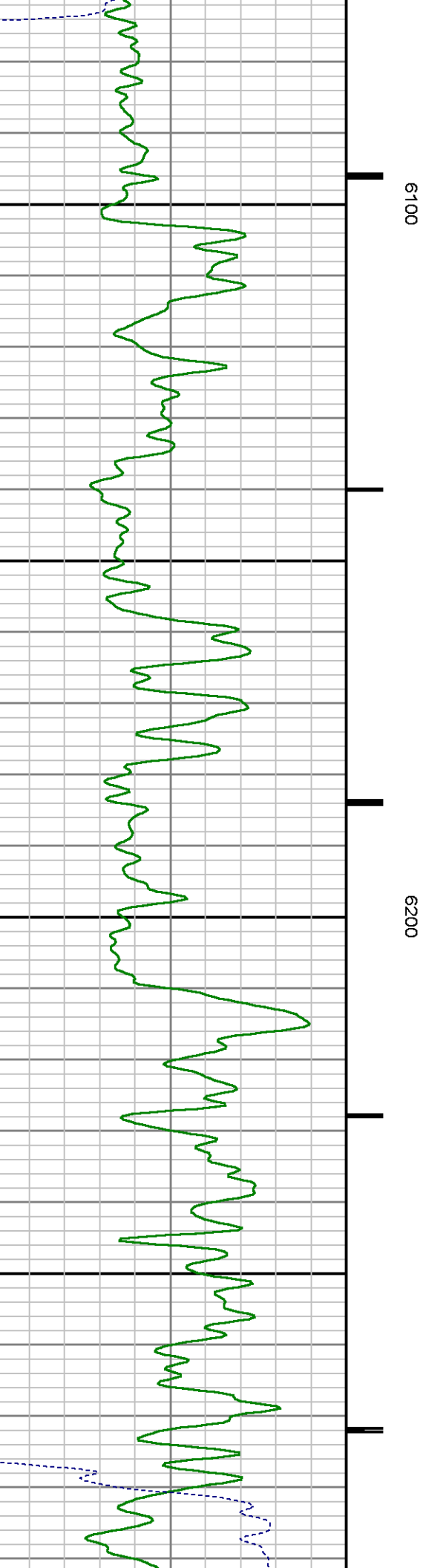
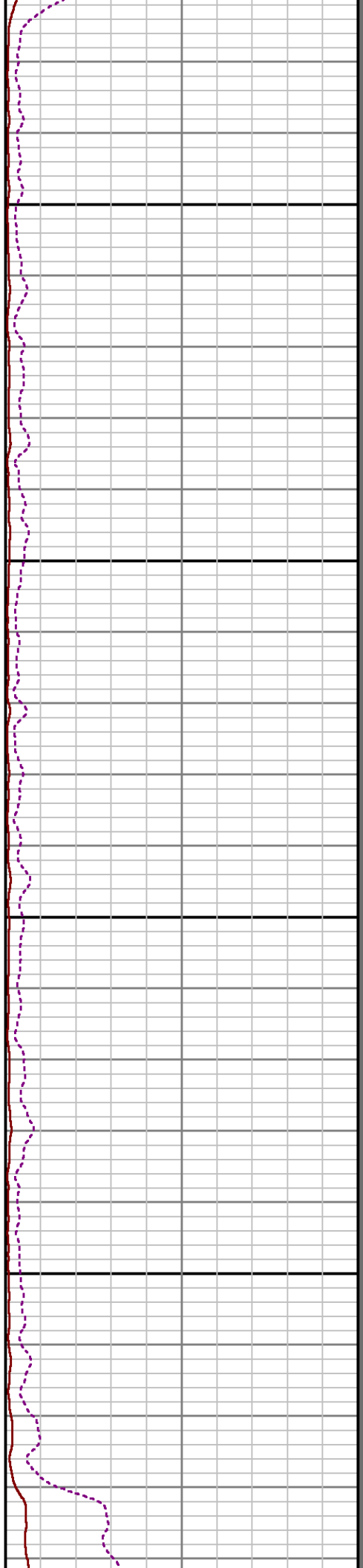
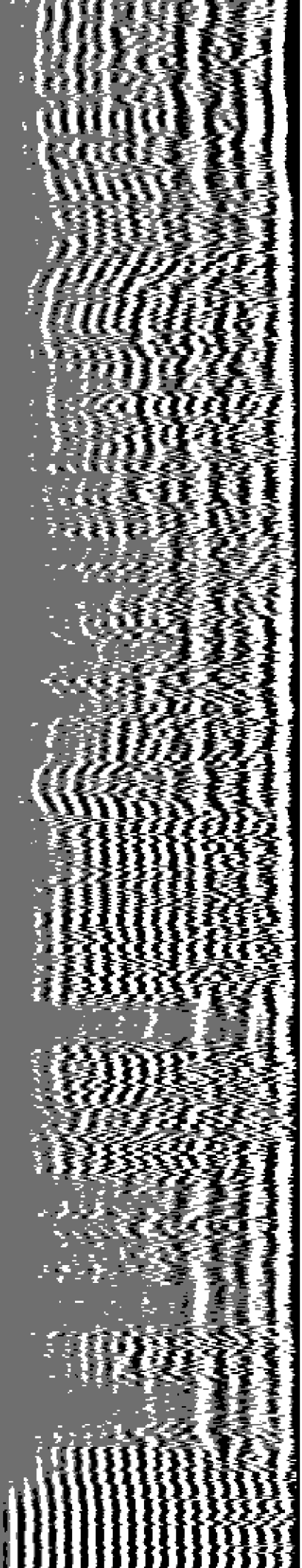


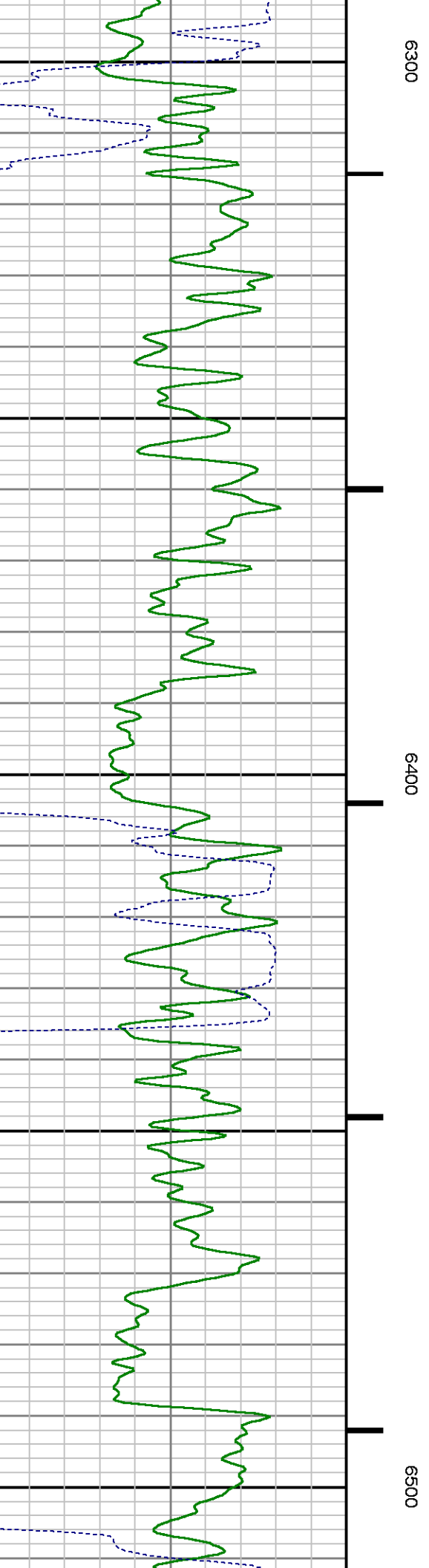
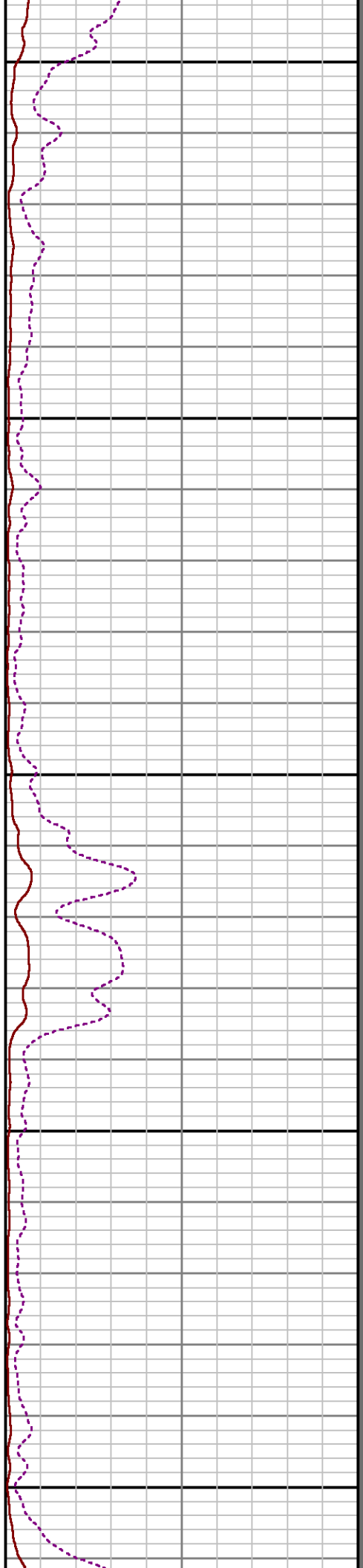
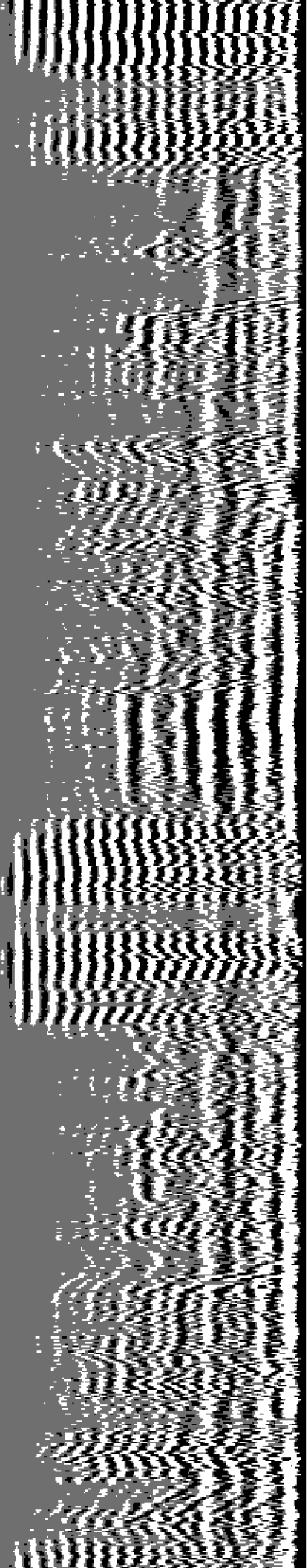


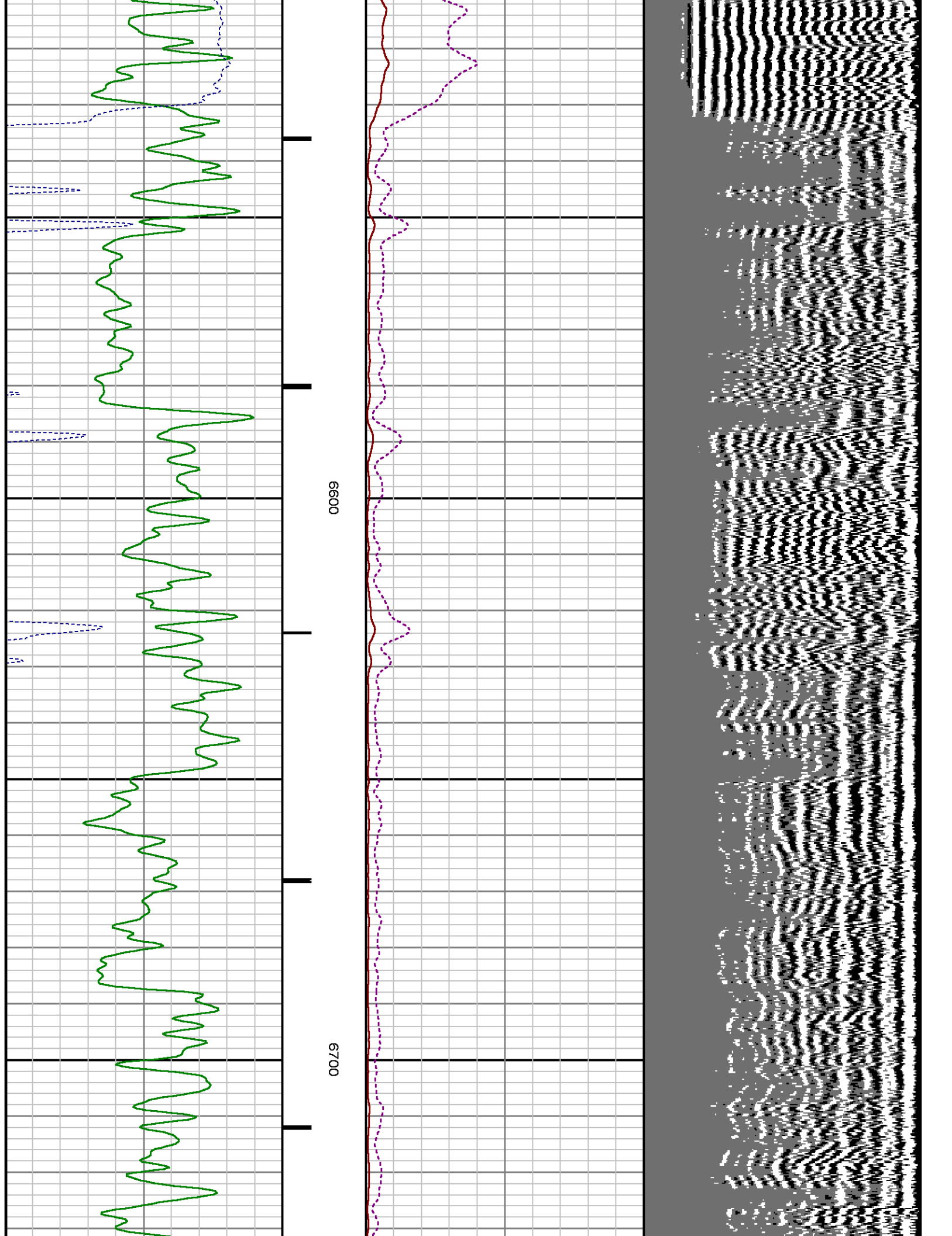


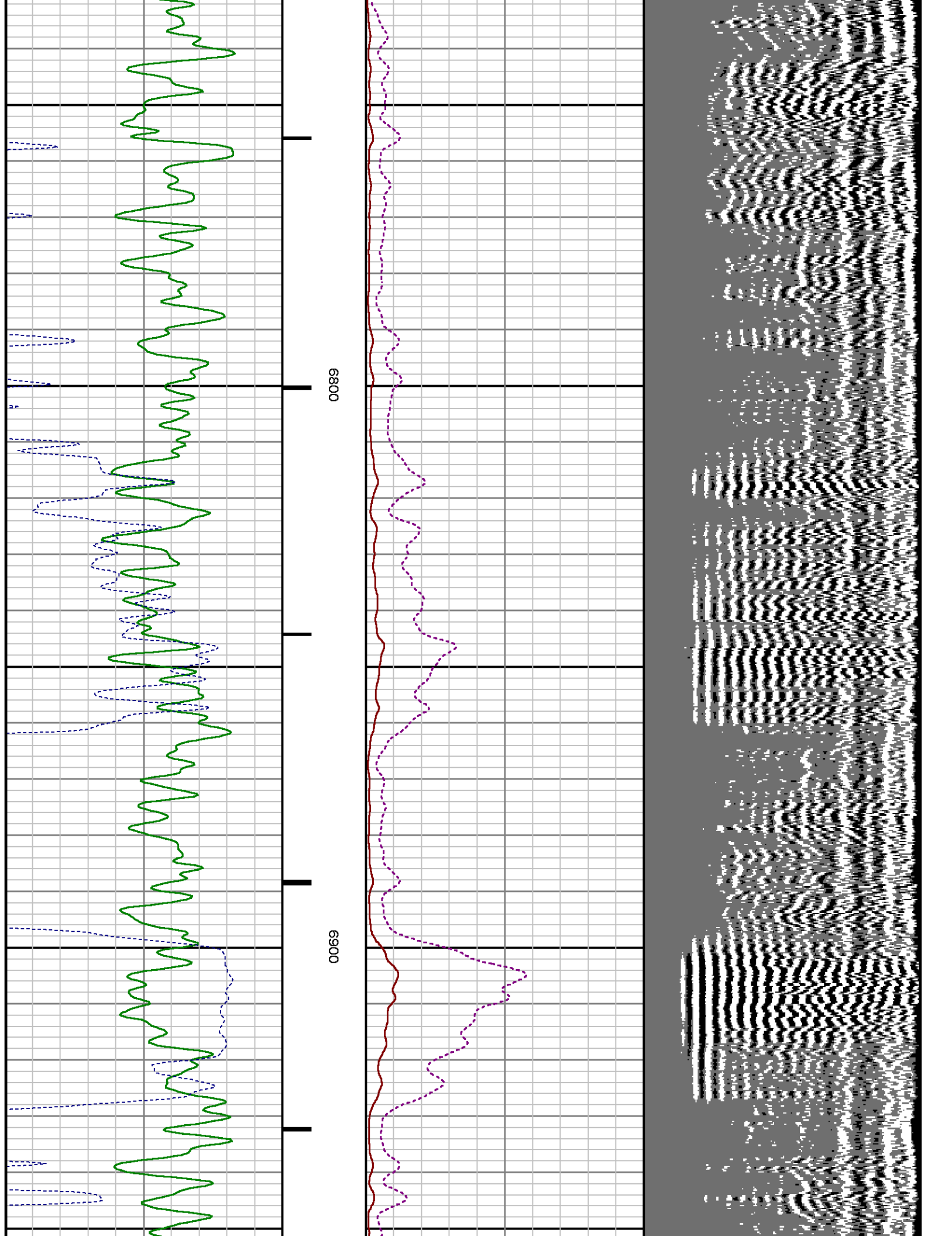


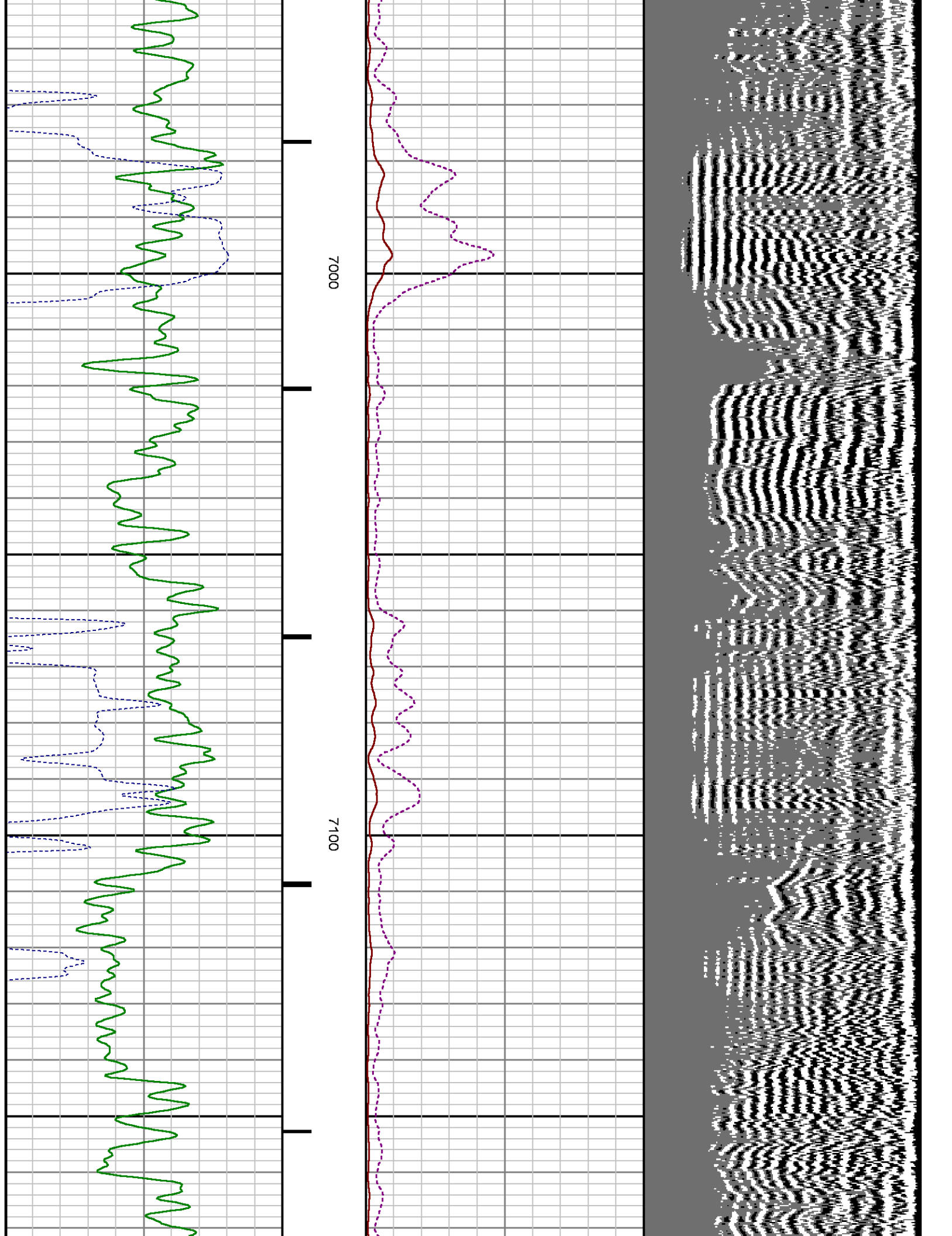


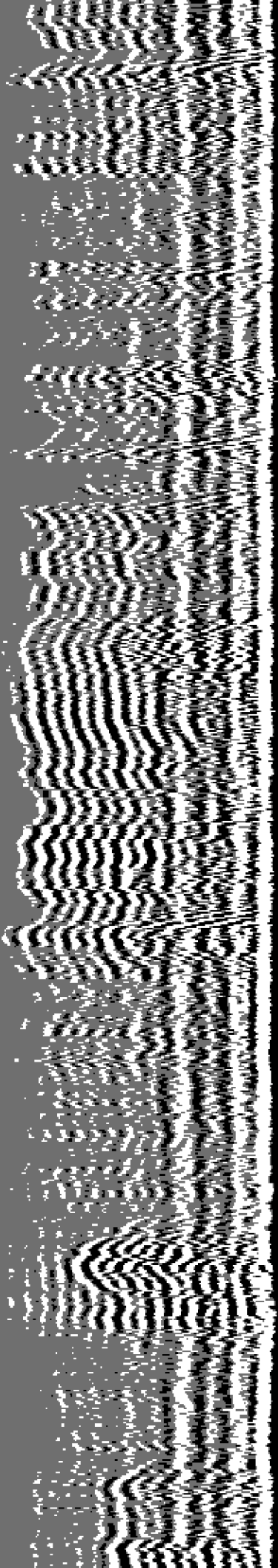






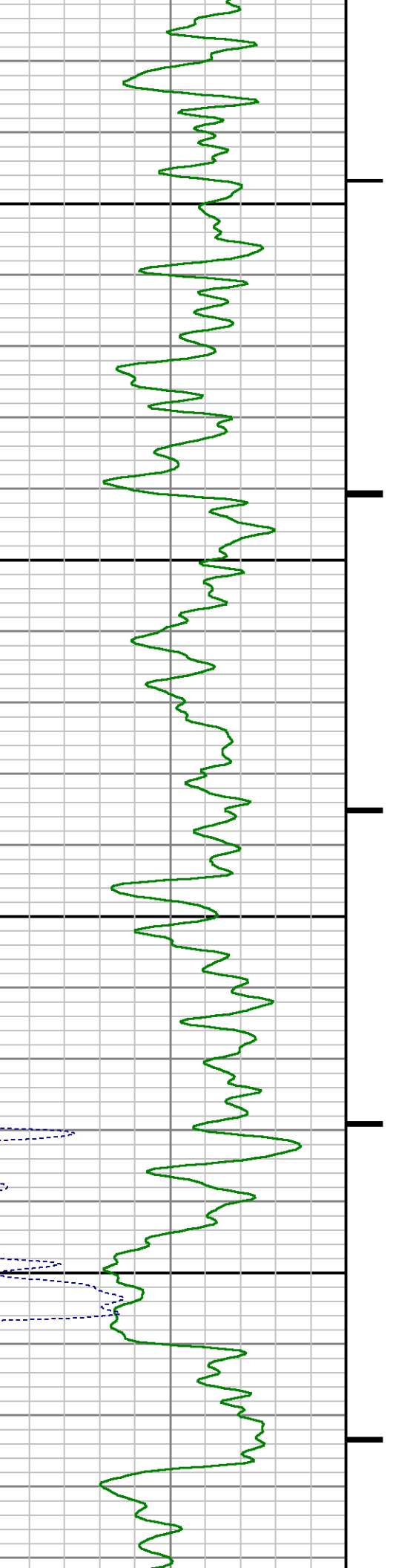


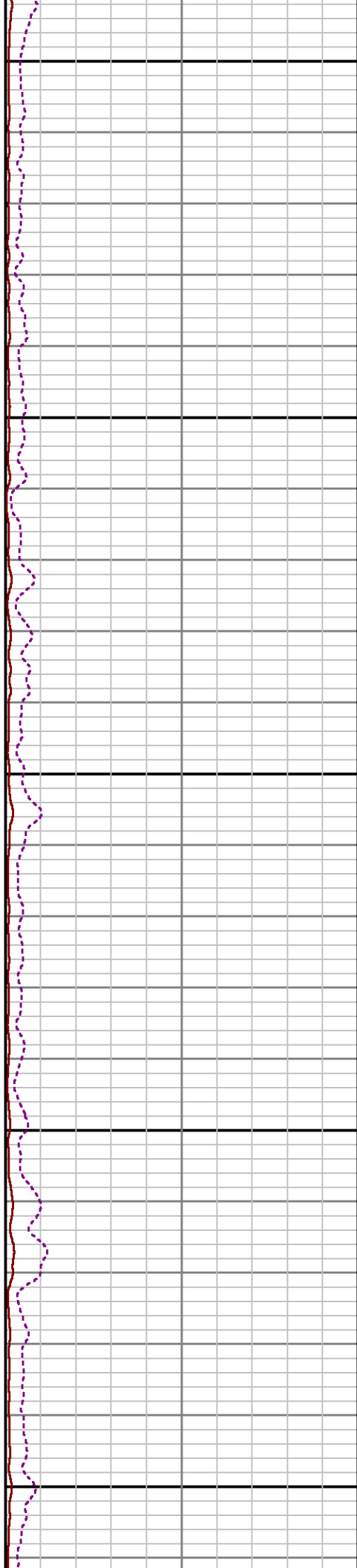
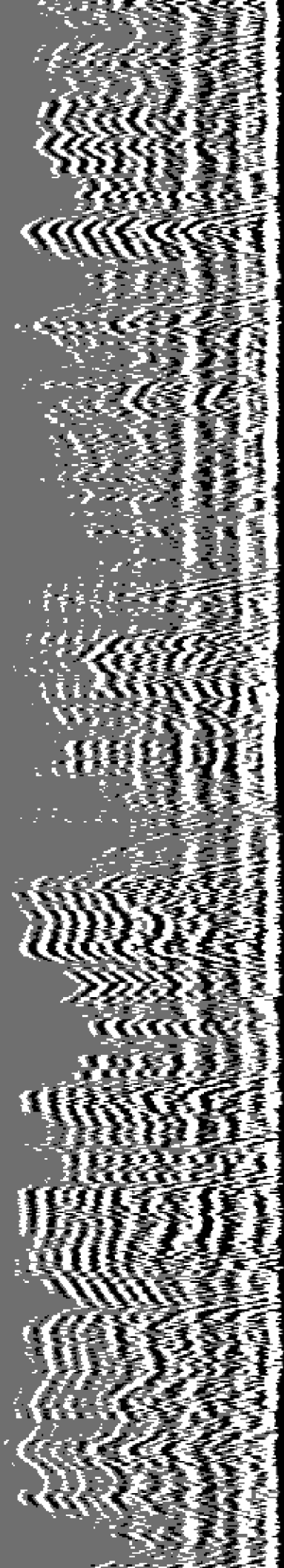




7200

7300

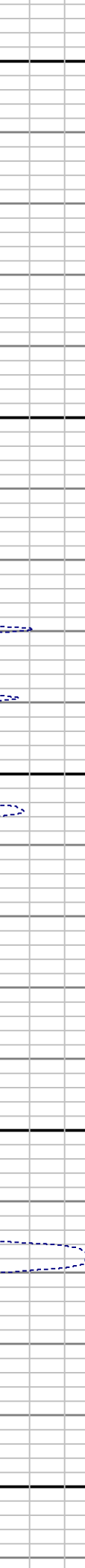
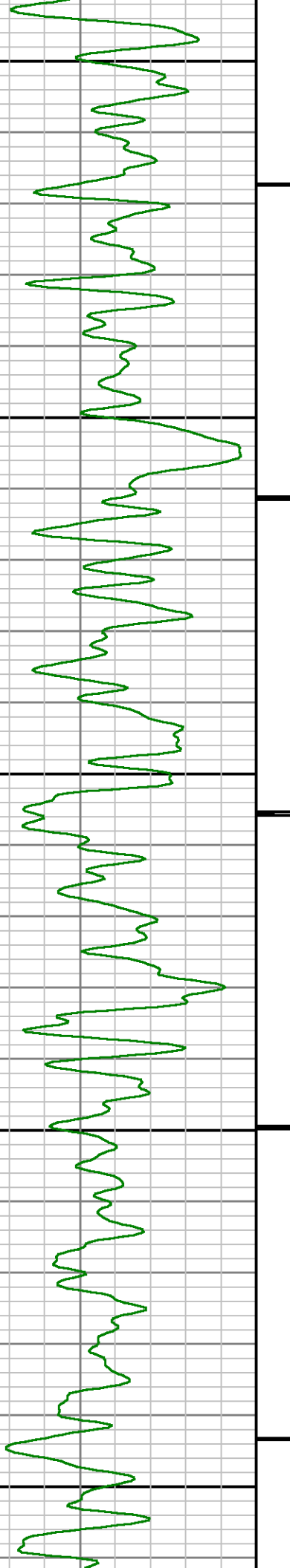


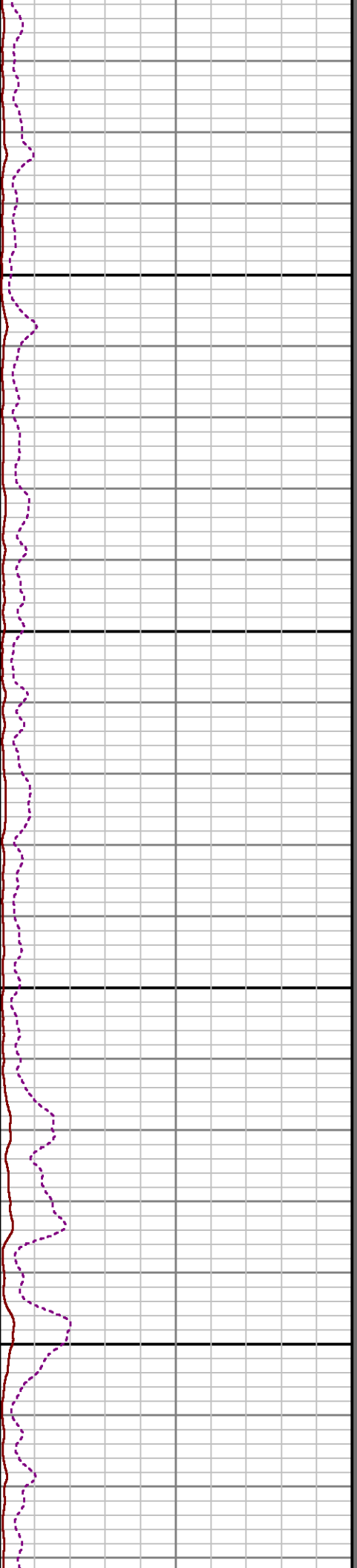
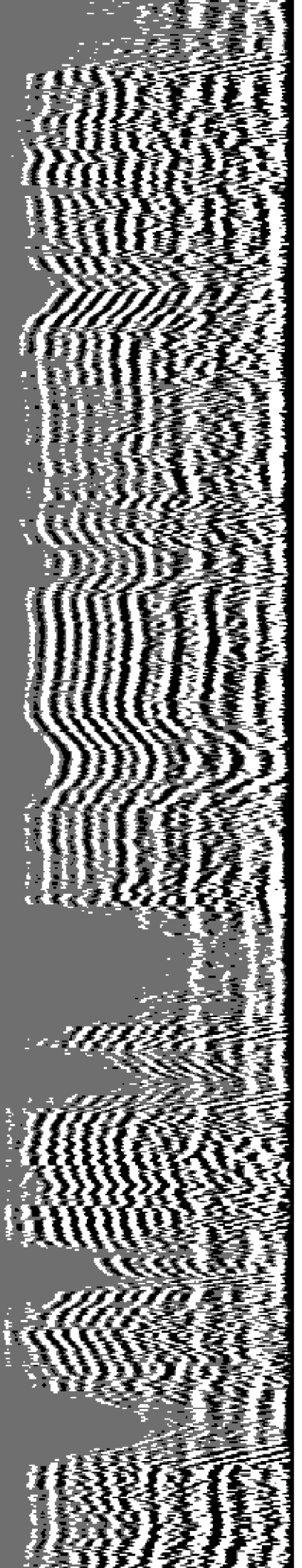


7400

7500

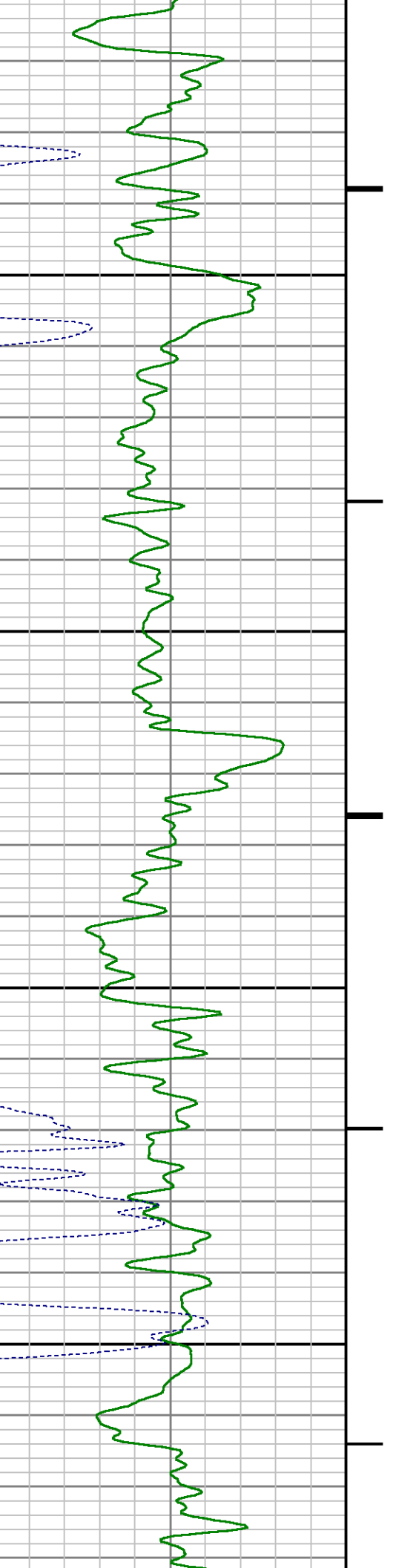
7600

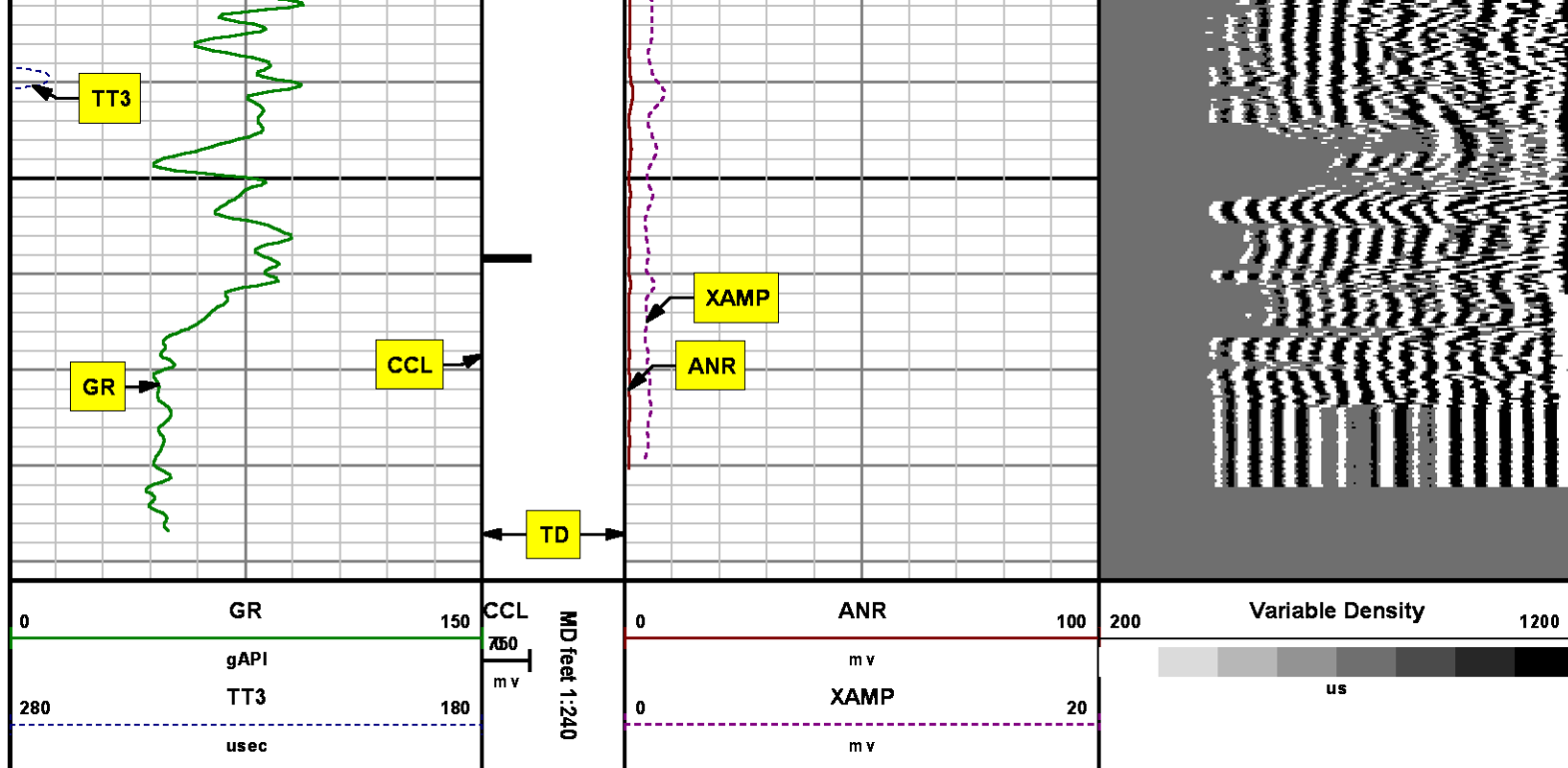




7700

7800





SECONDARY PRESENTATION

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	u sec	35.062	7898.250
RAL	Amp Gate Start Near	195.000	u sec	35.062	7898.250
RAL	Amp Gate Start Radial	195.000	u sec	35.062	7898.250
RAL	Amp Gate Width Far	25.000	u sec	35.062	7898.250
RAL	Amp Gate Width Near	25.000	u sec	35.062	7898.250
RAL	Amp Gate Width Radial	25.000	u sec	35.062	7898.250
RAL	casing od	4.500	inches	35.062	7898.250
RAL	casing wt	11.600	lbm/ft	35.062	7898.250
RAL	FB Start Far	291.900	u sec	35.062	7898.250
RAL	FB Start Near	175.391	u sec	35.062	7898.250
RAL	FB Start Radial	175.391	u sec	35.062	7898.250
RAL	FB Thresh Far	10.000	m v	35.062	7898.250
RAL	FB Thresh Near	4.000	m v	35.062	7898.250
RAL	FB Thresh Radial	4.000	m v	35.062	7898.250
RAL	Fluid Travel Time	200.000	u sec/ft	35.062	7897.687

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-16.750	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	-15.750	AFAR	SIG	TT5			
2459XA	-11.340	CCL					
2459XA	-9.490	GR					
2459XA	-4.090	NEU					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

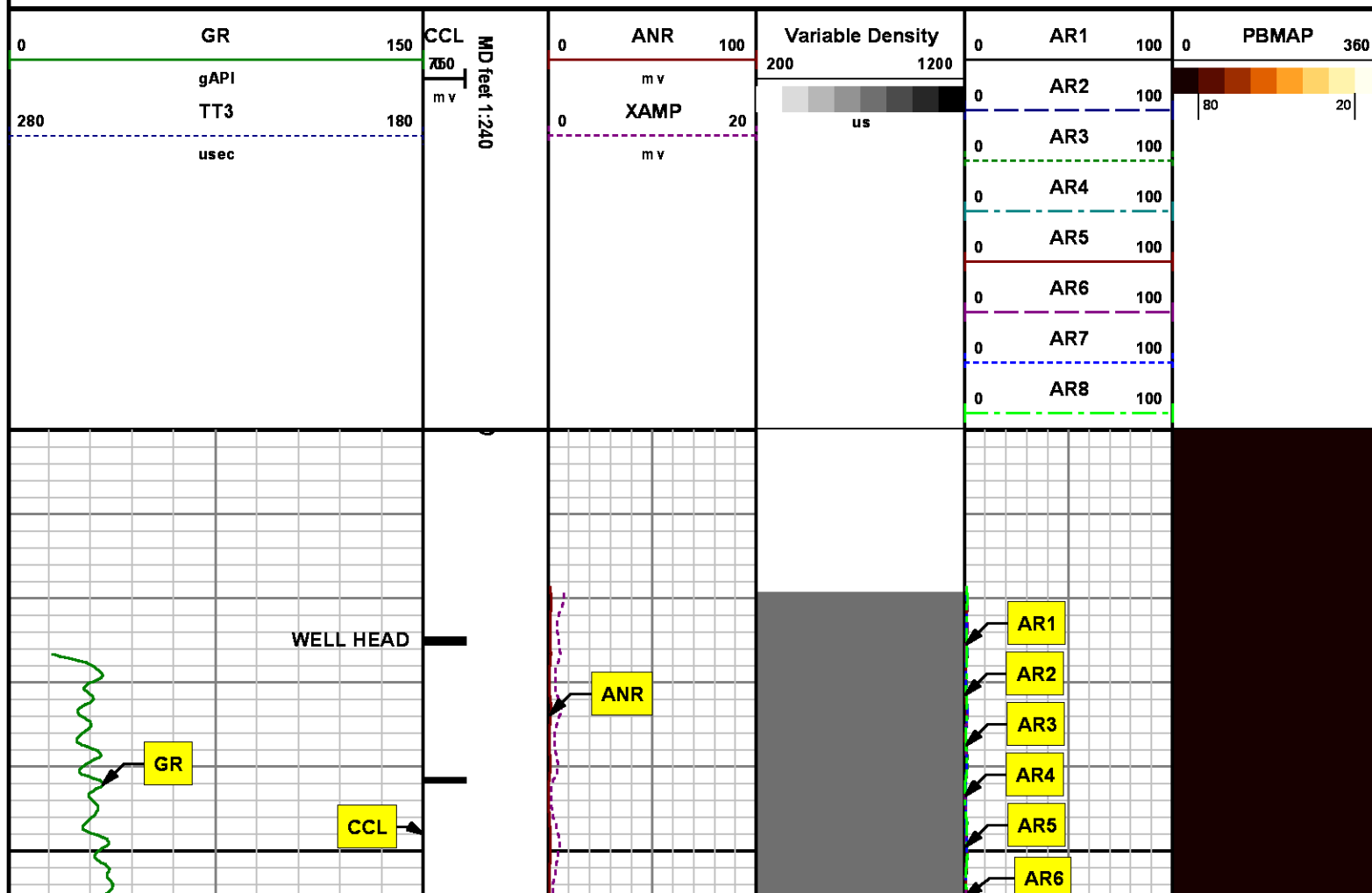
Well : PA 44-3

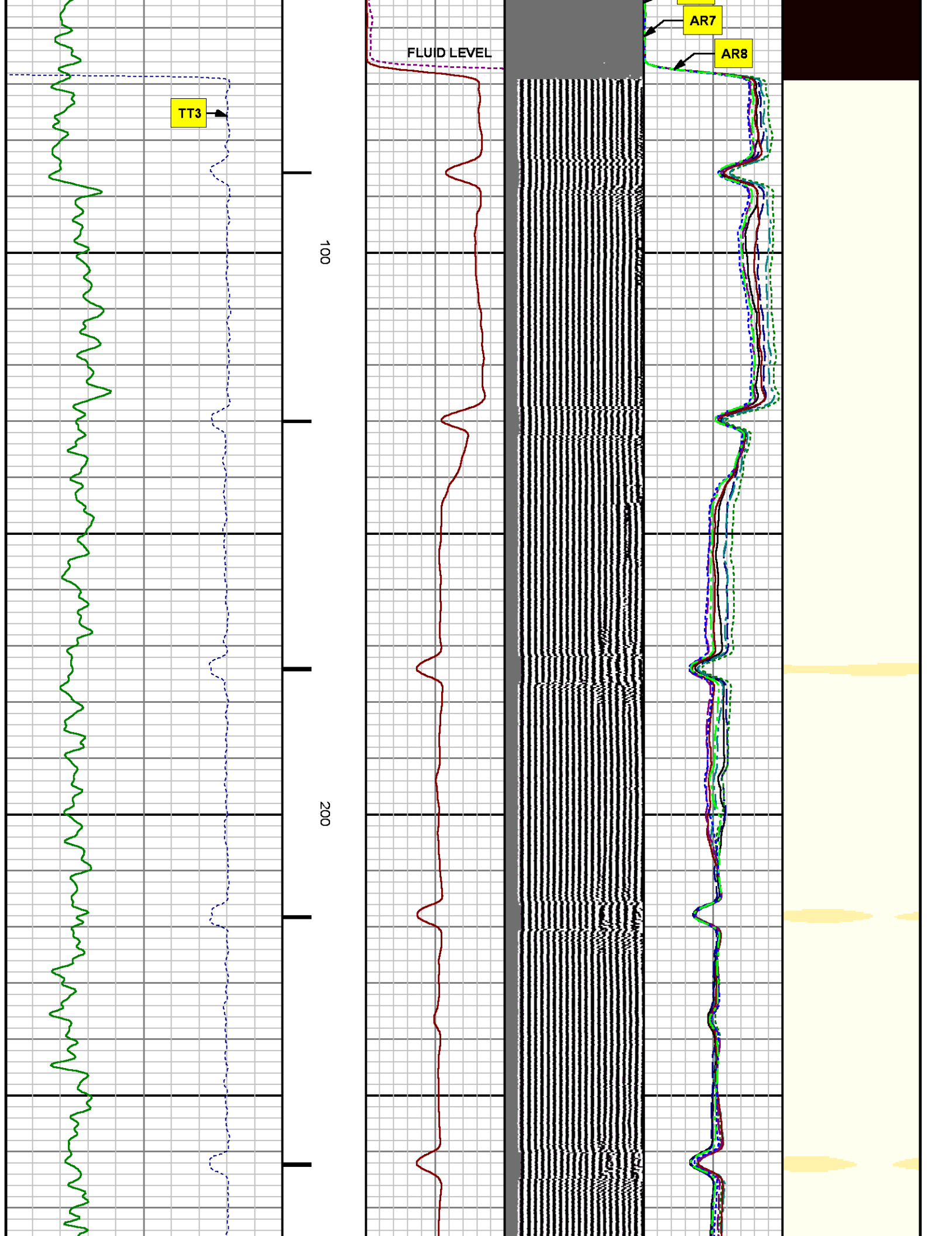
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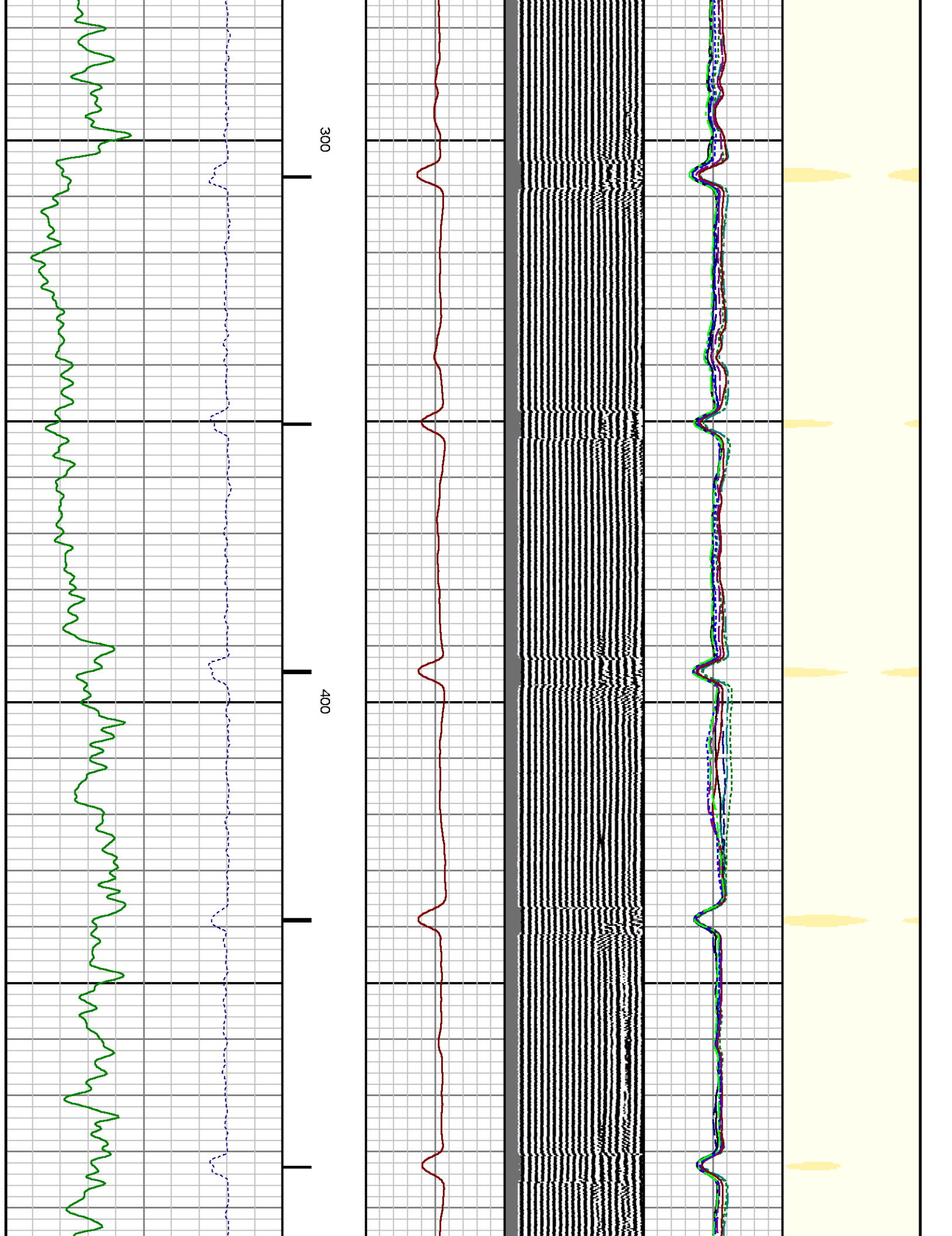
Mode : PlotMgr 5.4.504

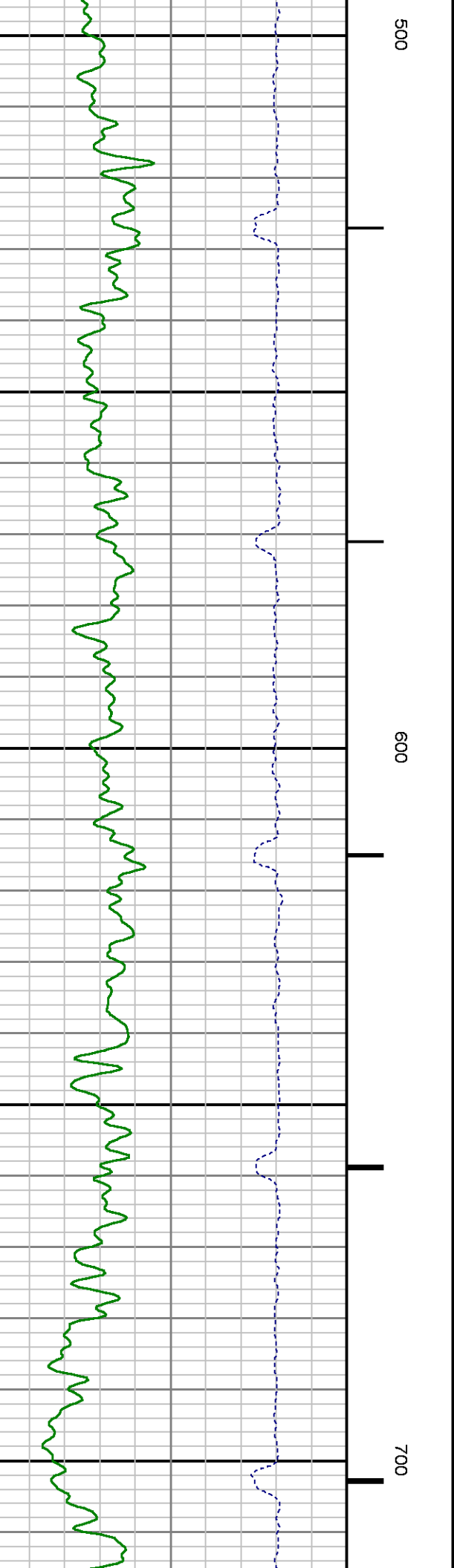
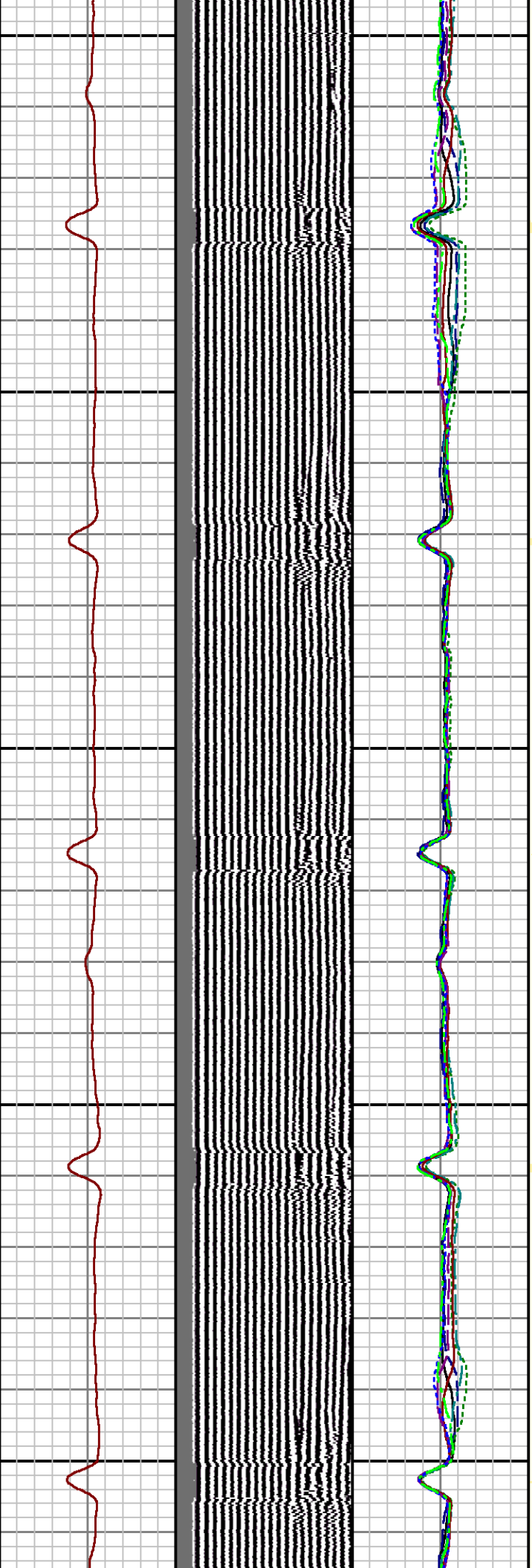
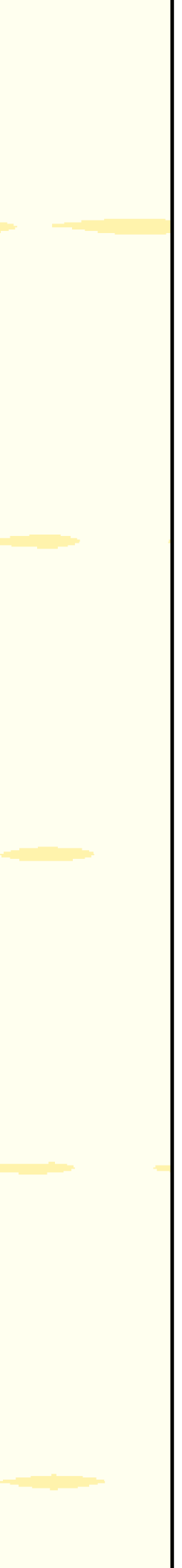
Interval : 0.00 - 7892.00 feet UP

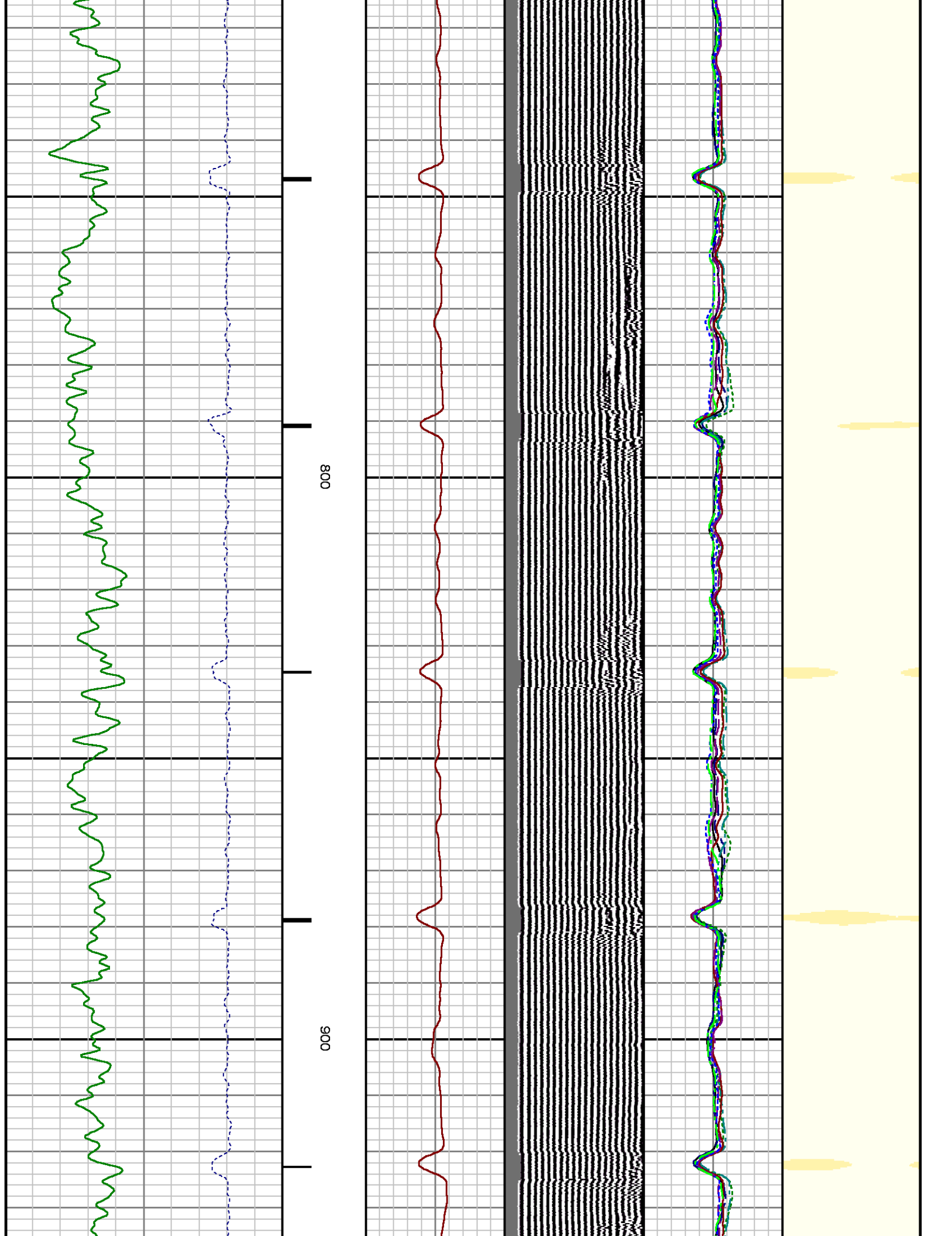
Created : 6/24/2014 8:04:48 AM

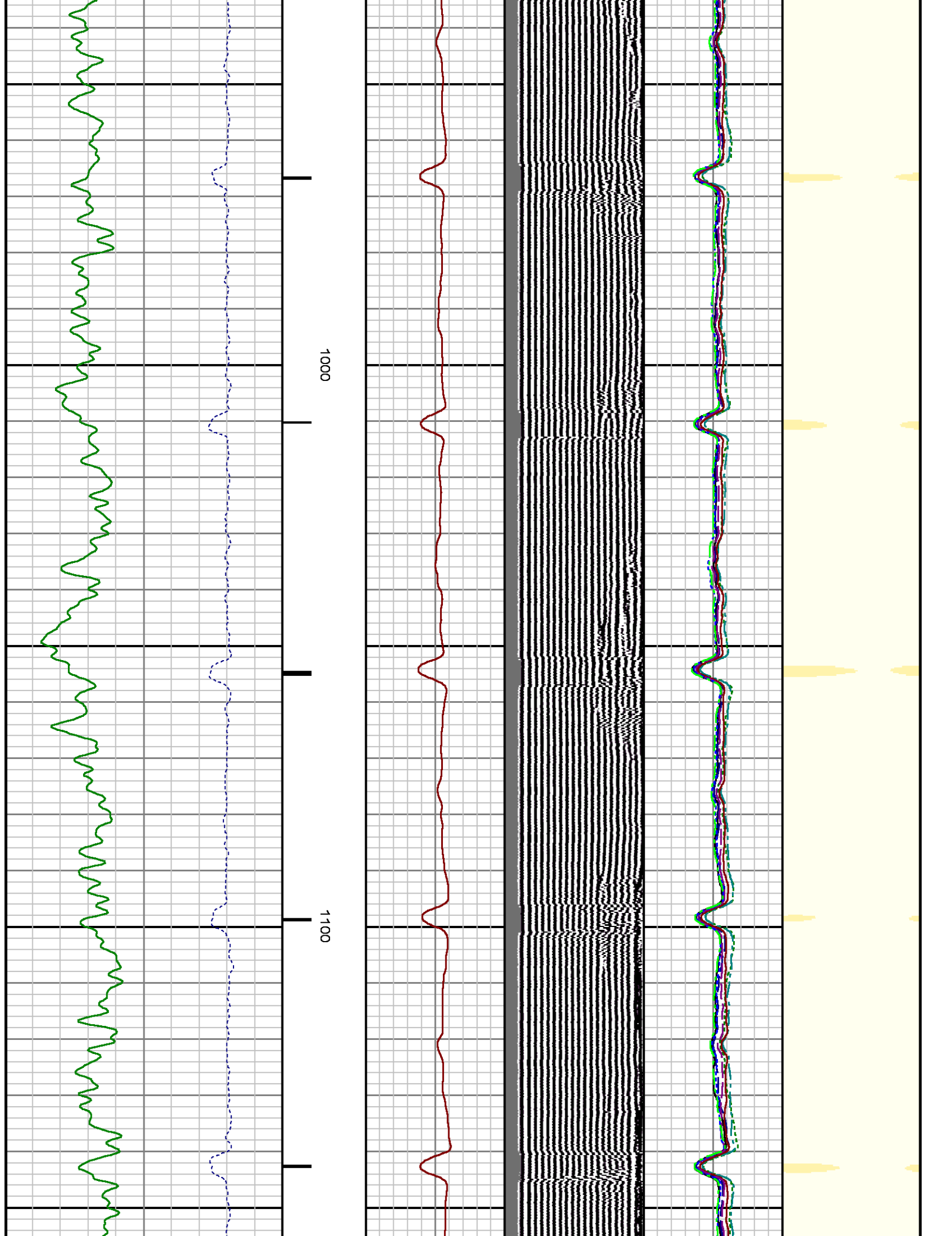


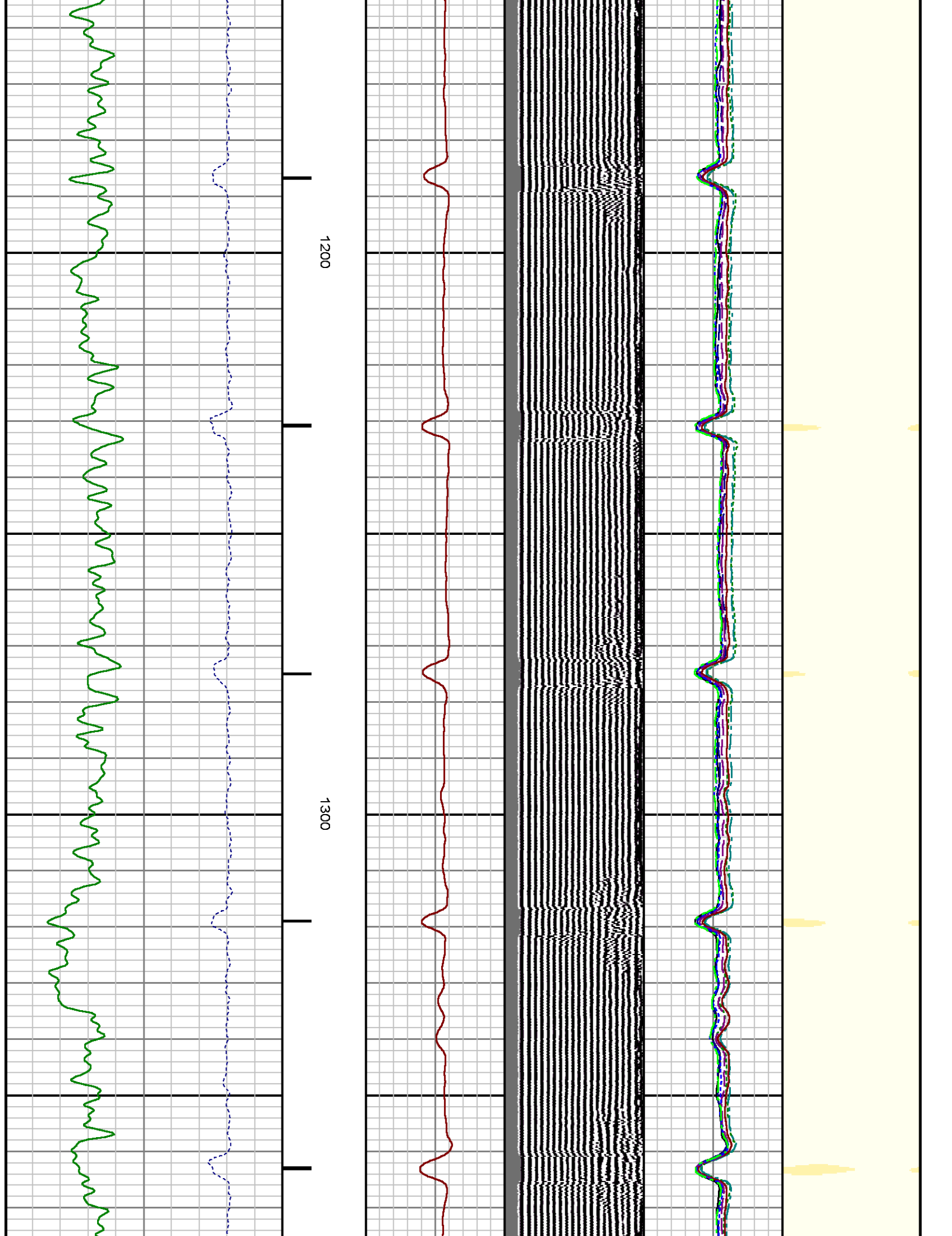


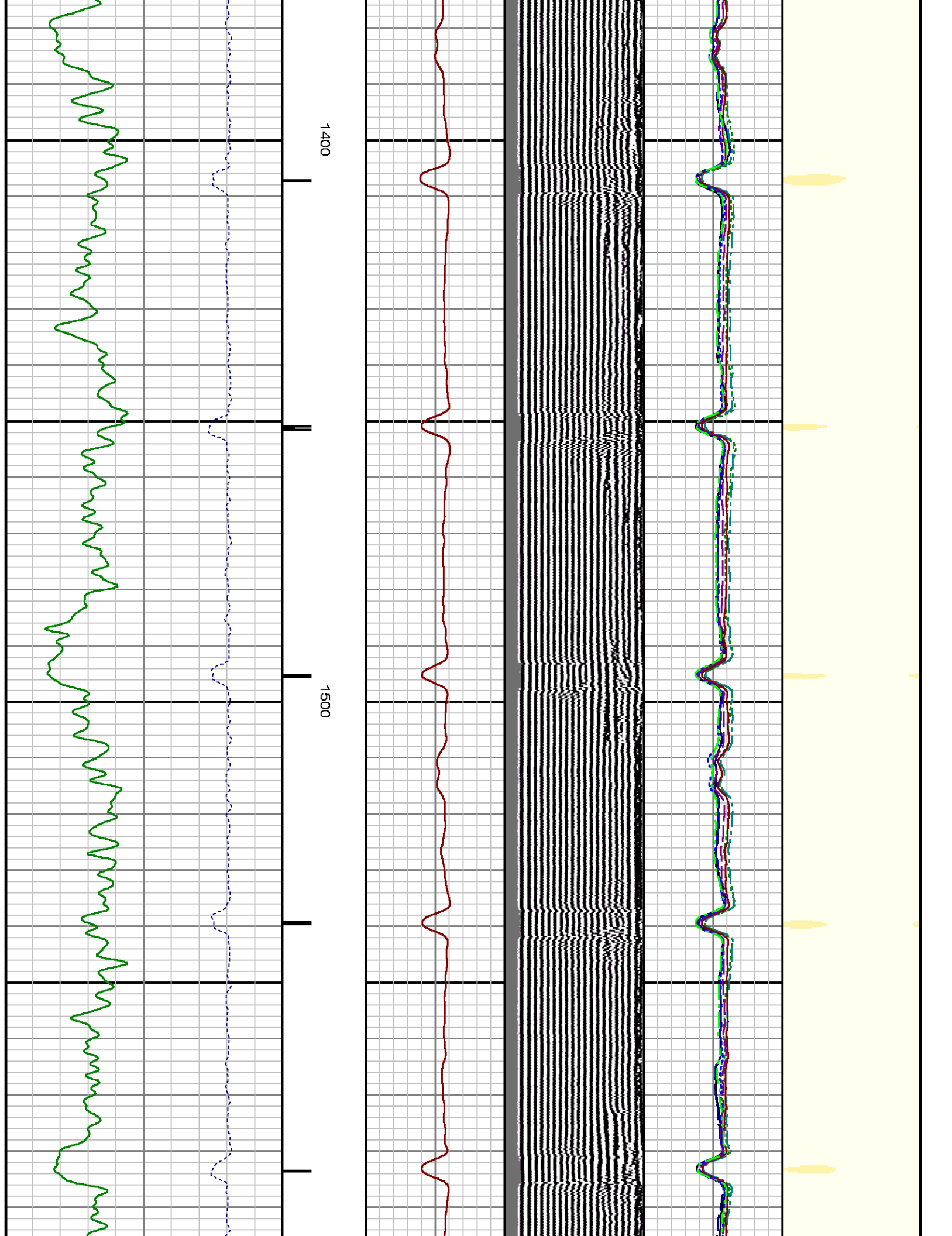


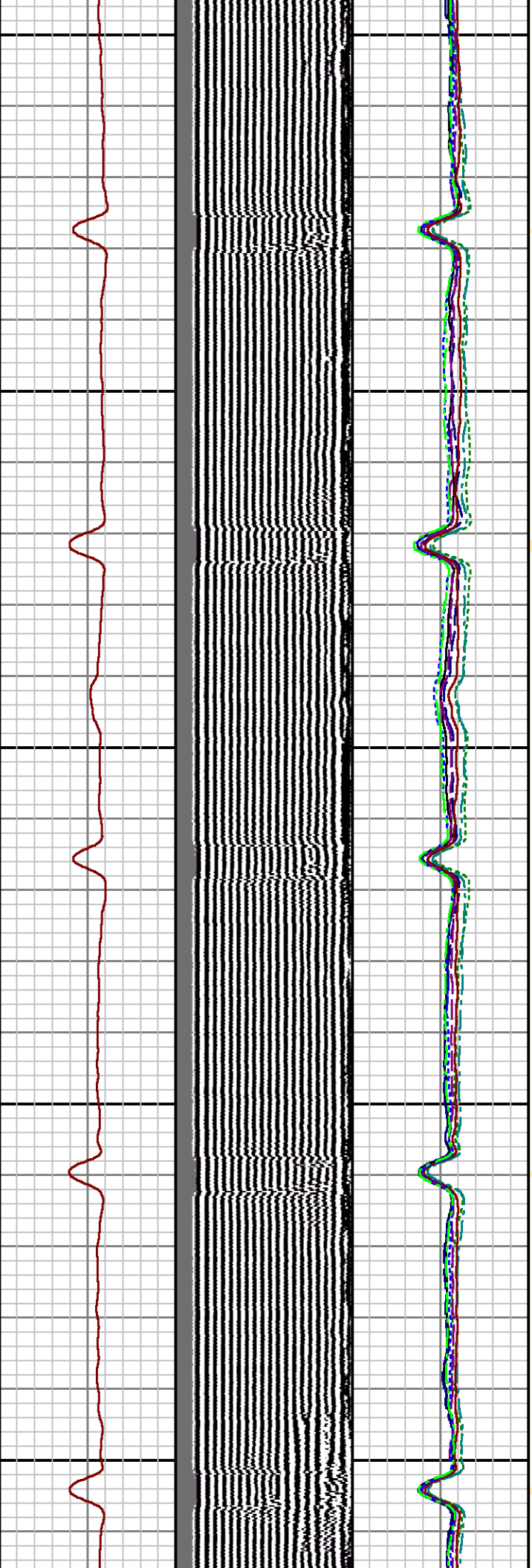








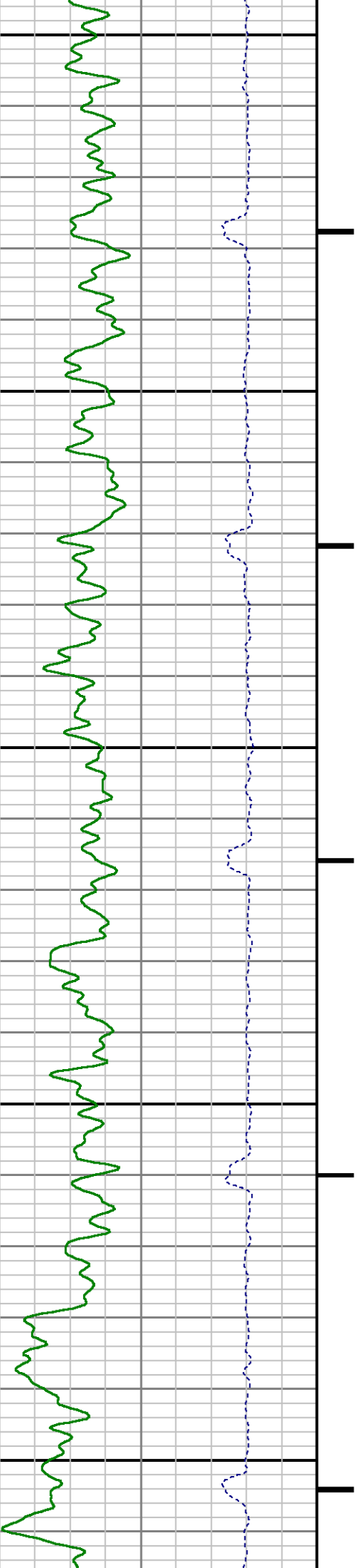


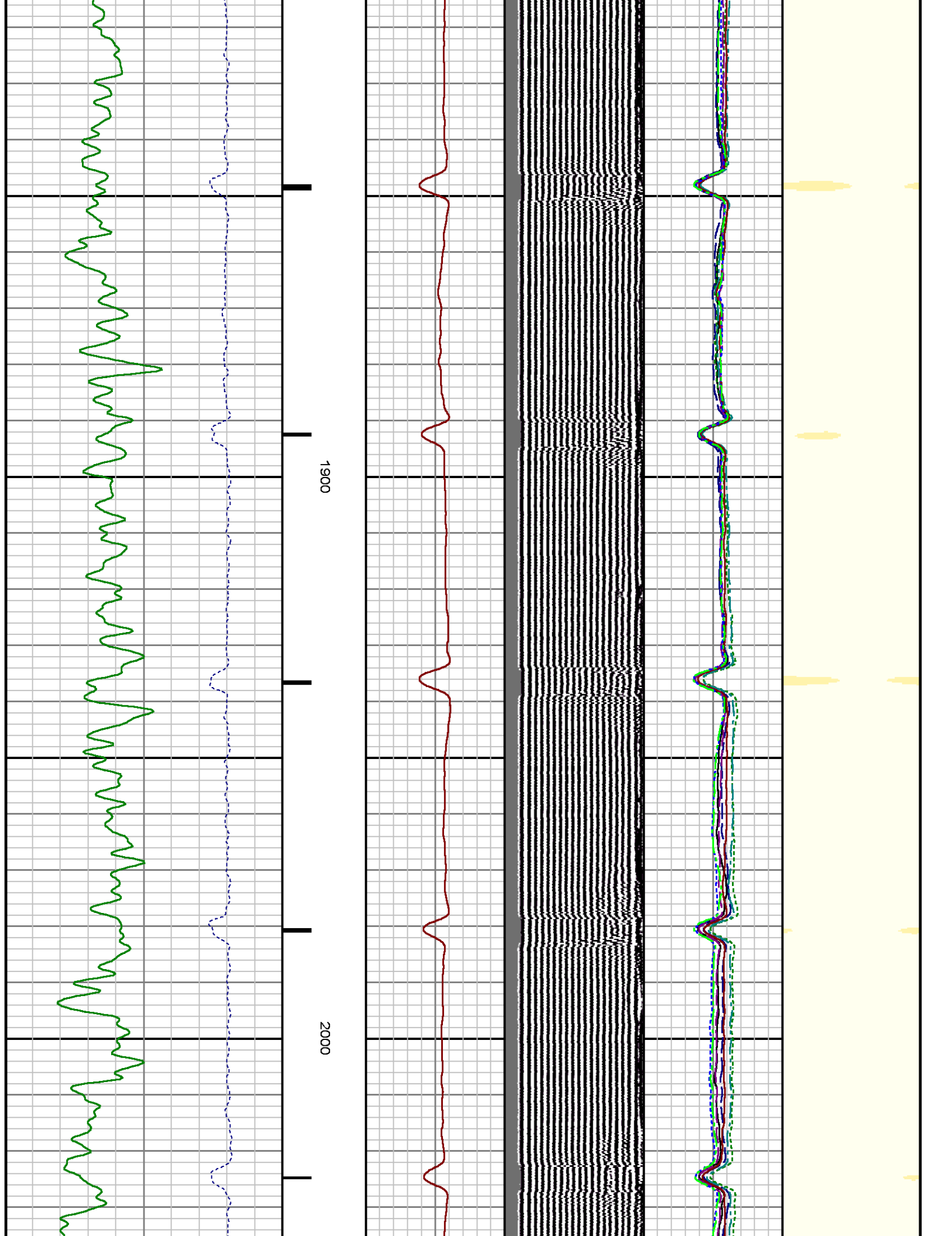


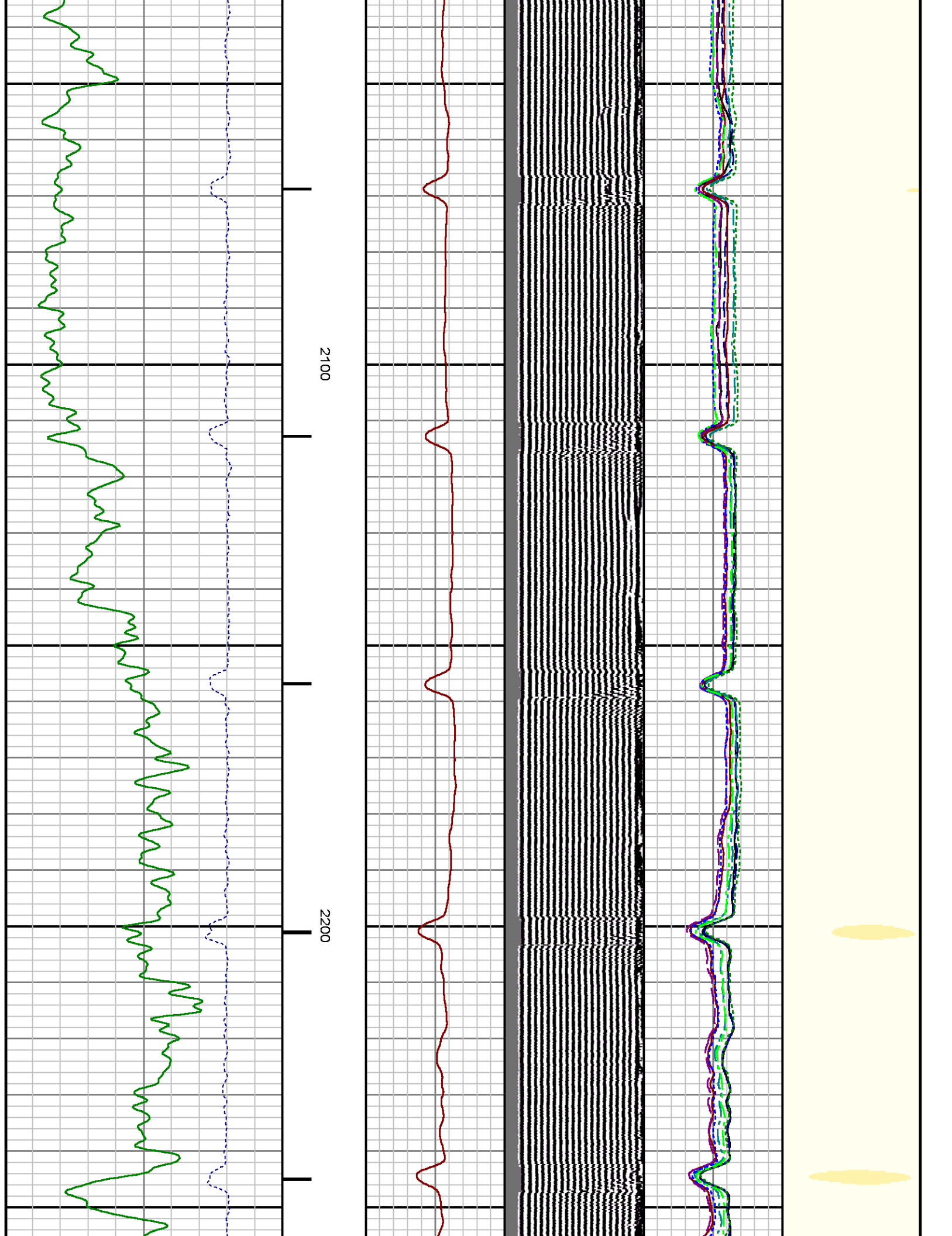
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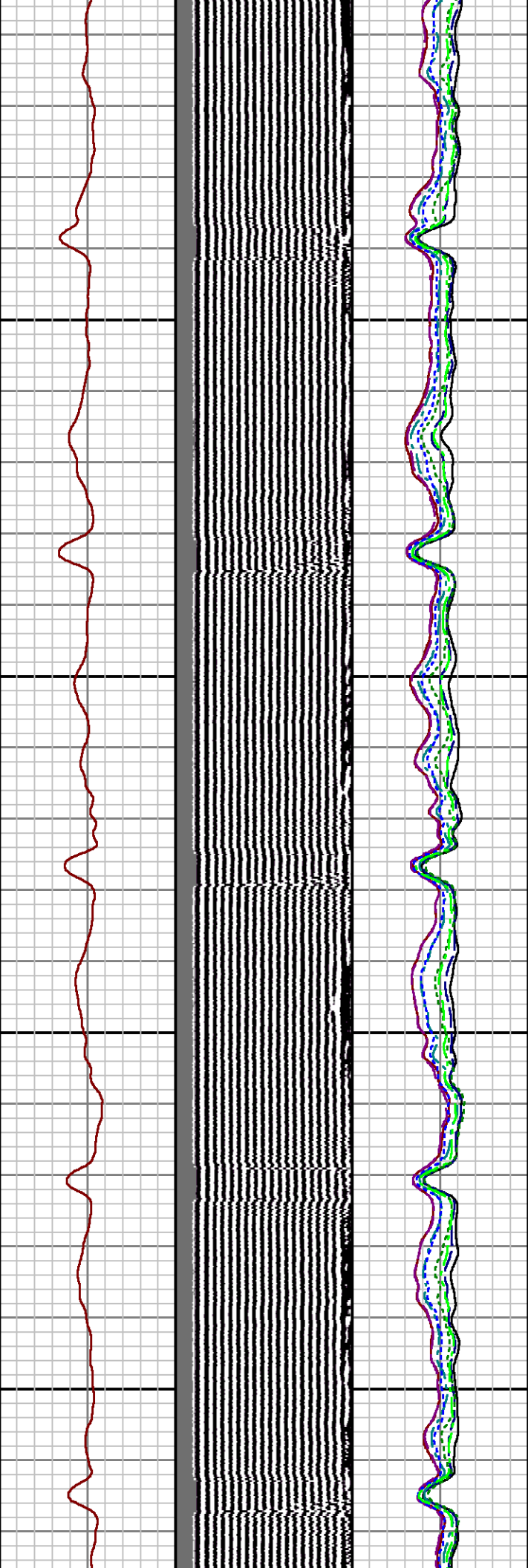
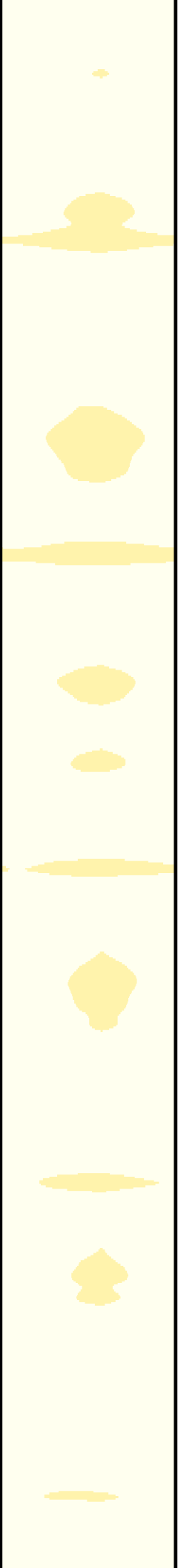
1700

1800



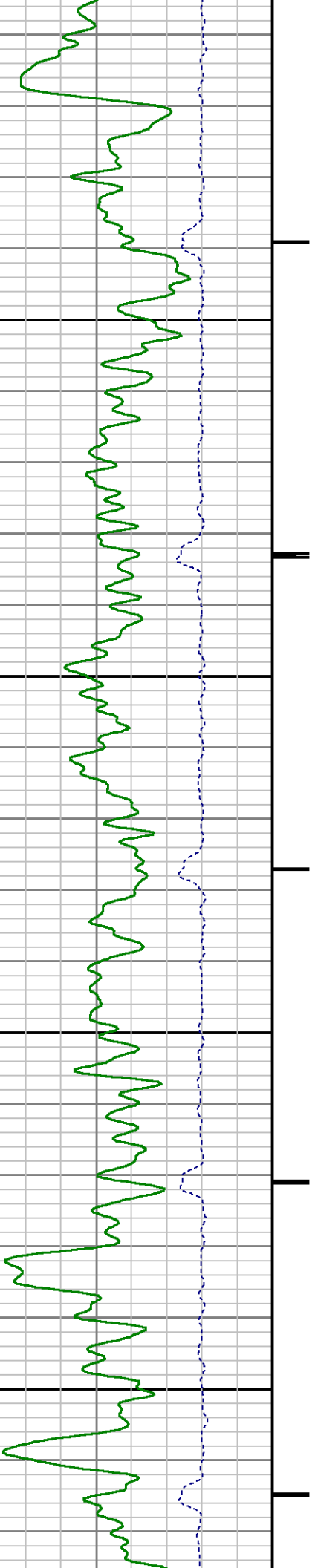


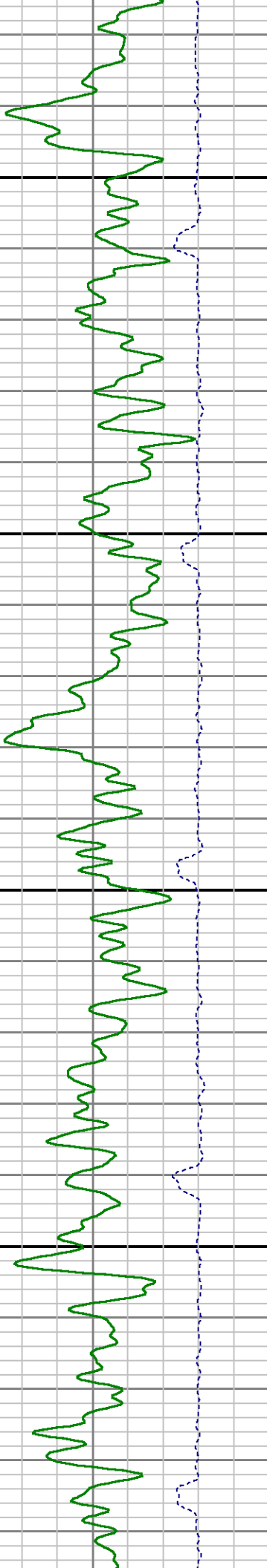
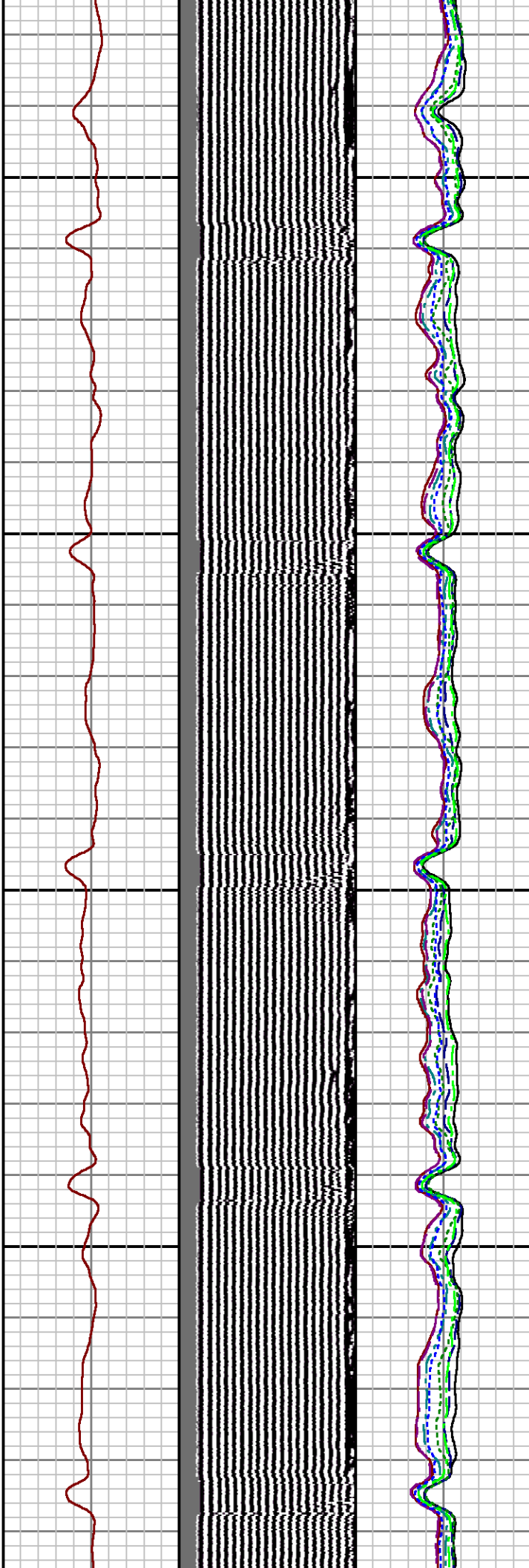
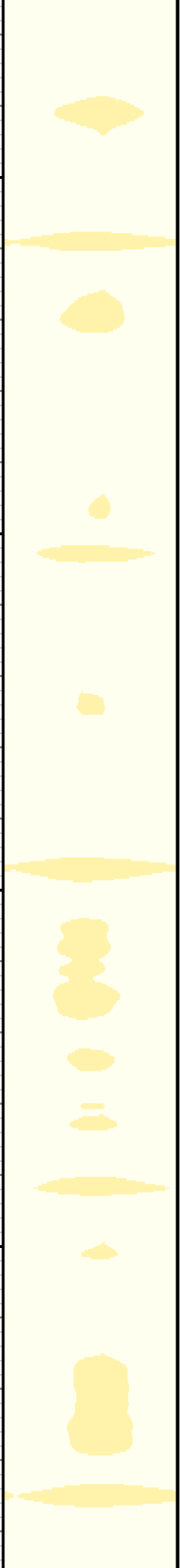


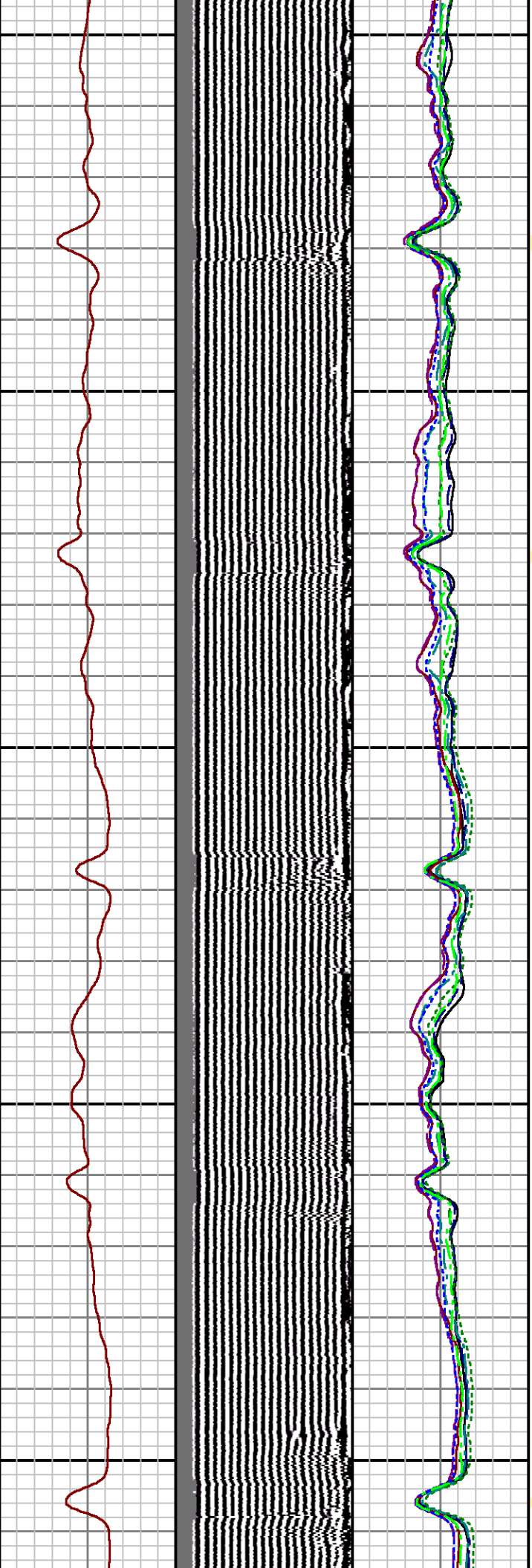
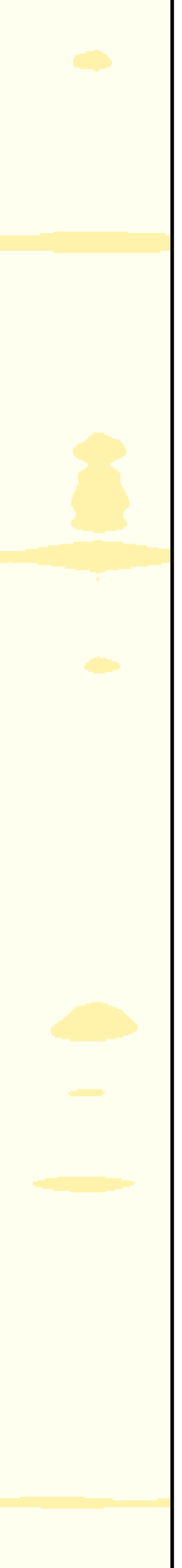


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2400



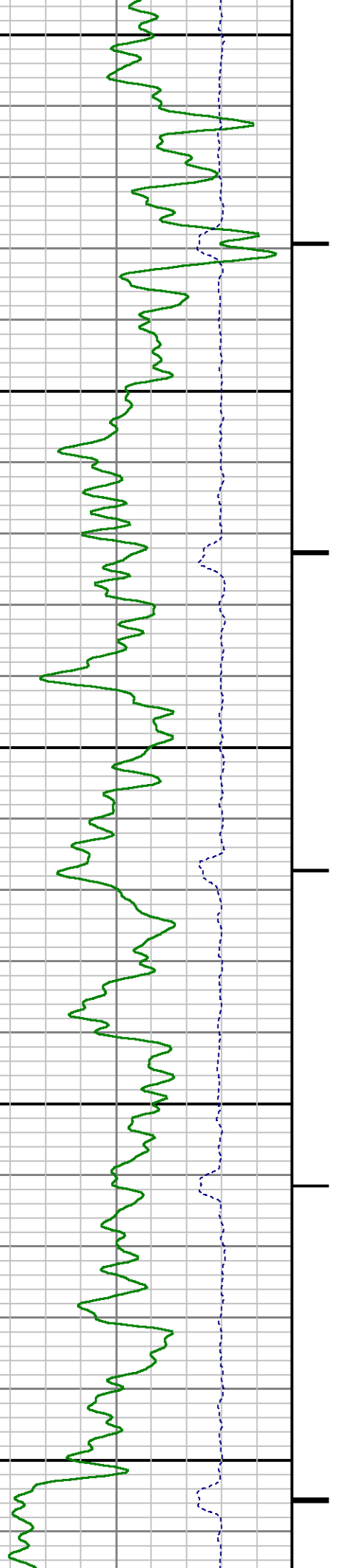


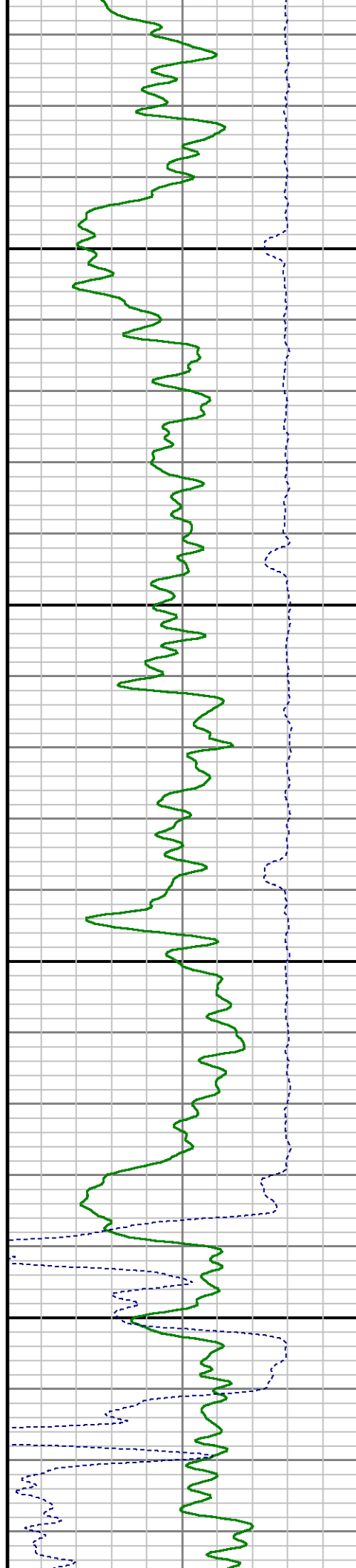
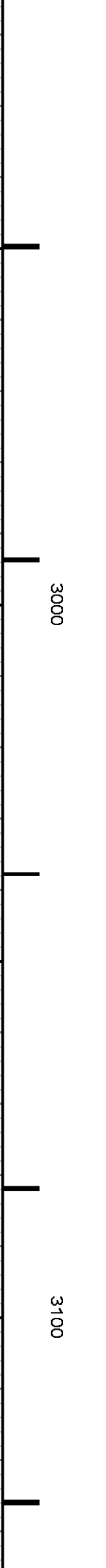
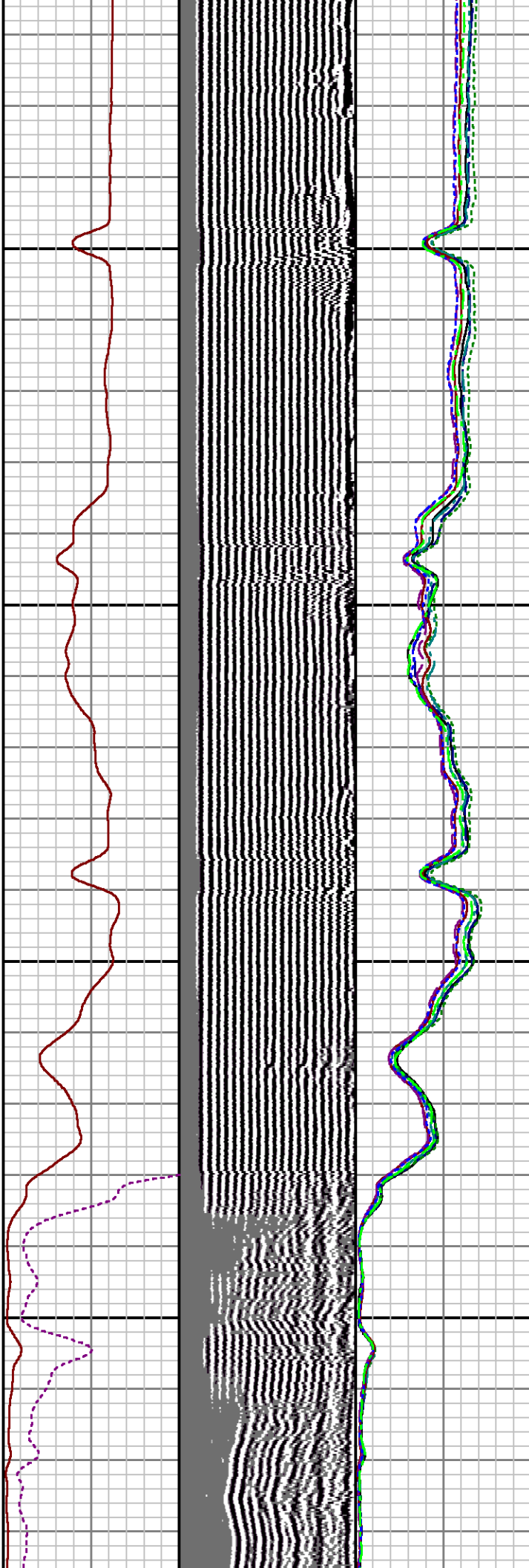
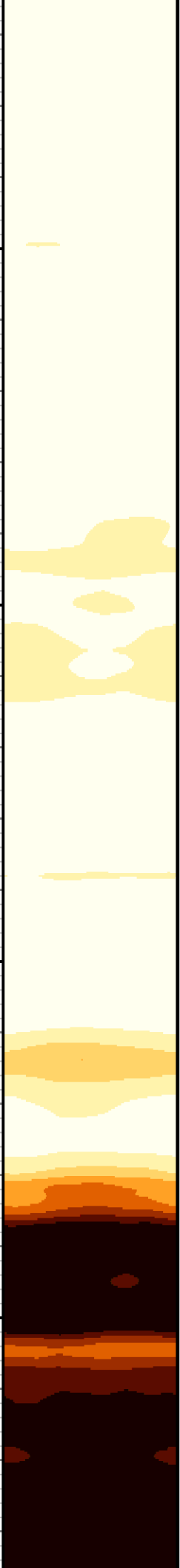


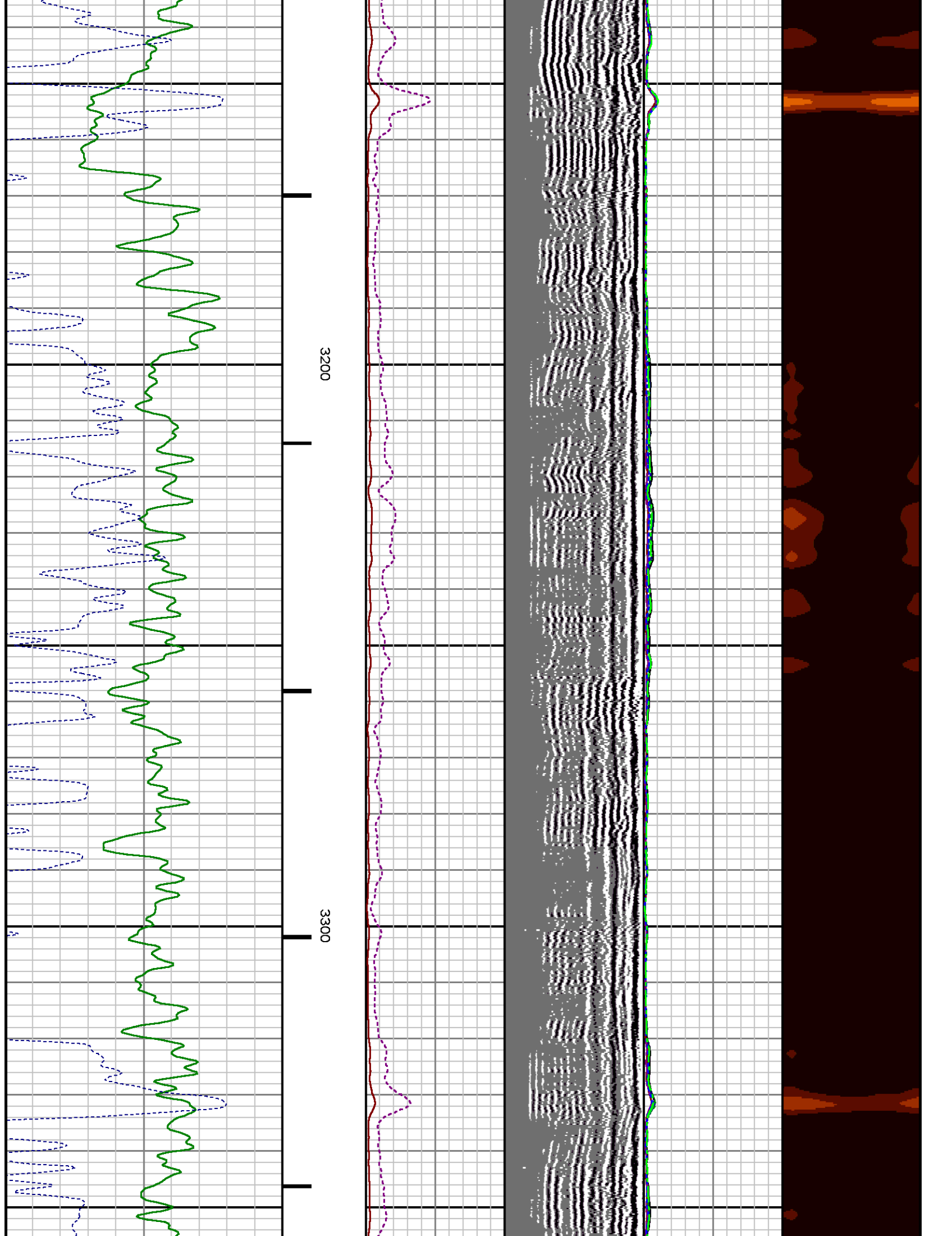
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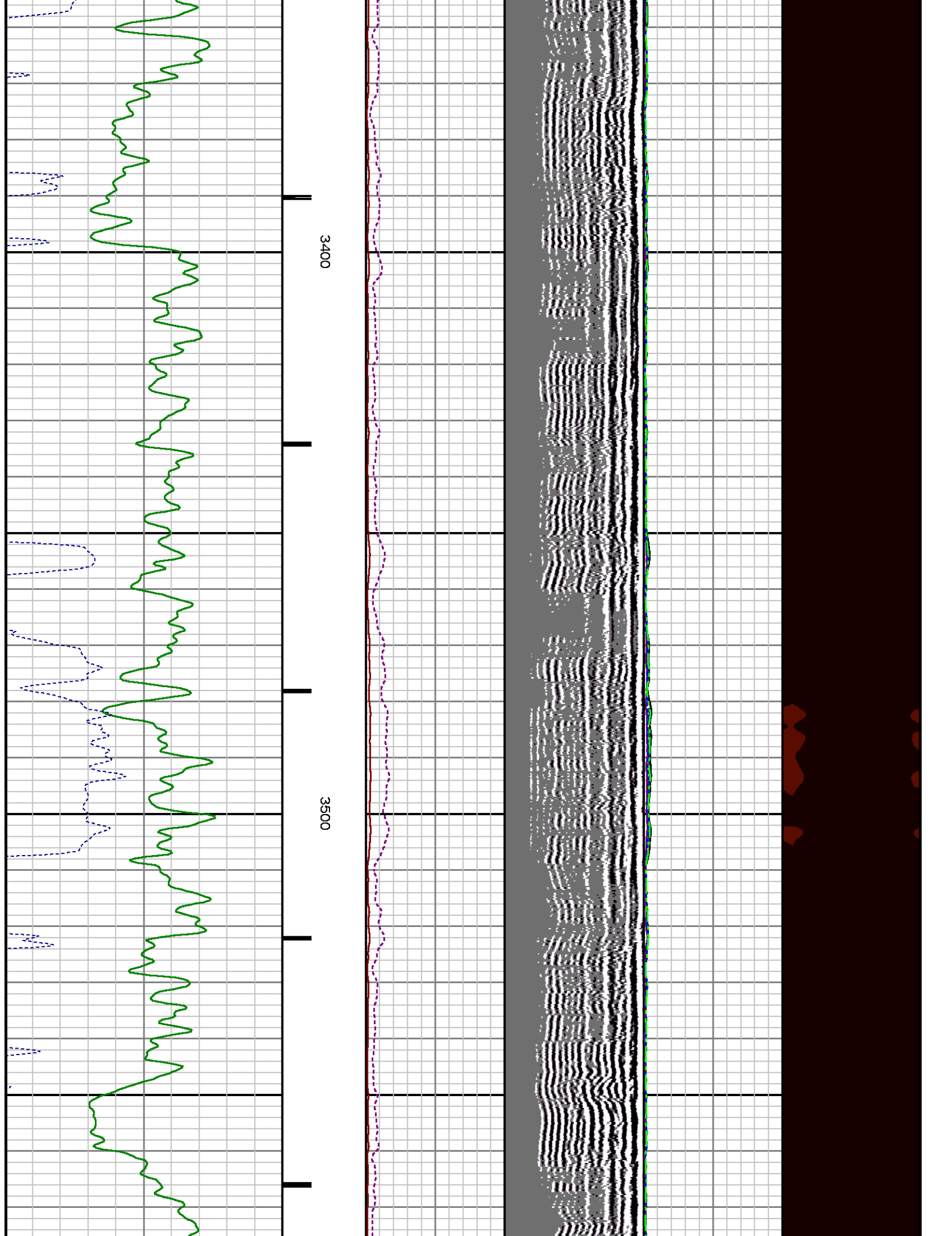
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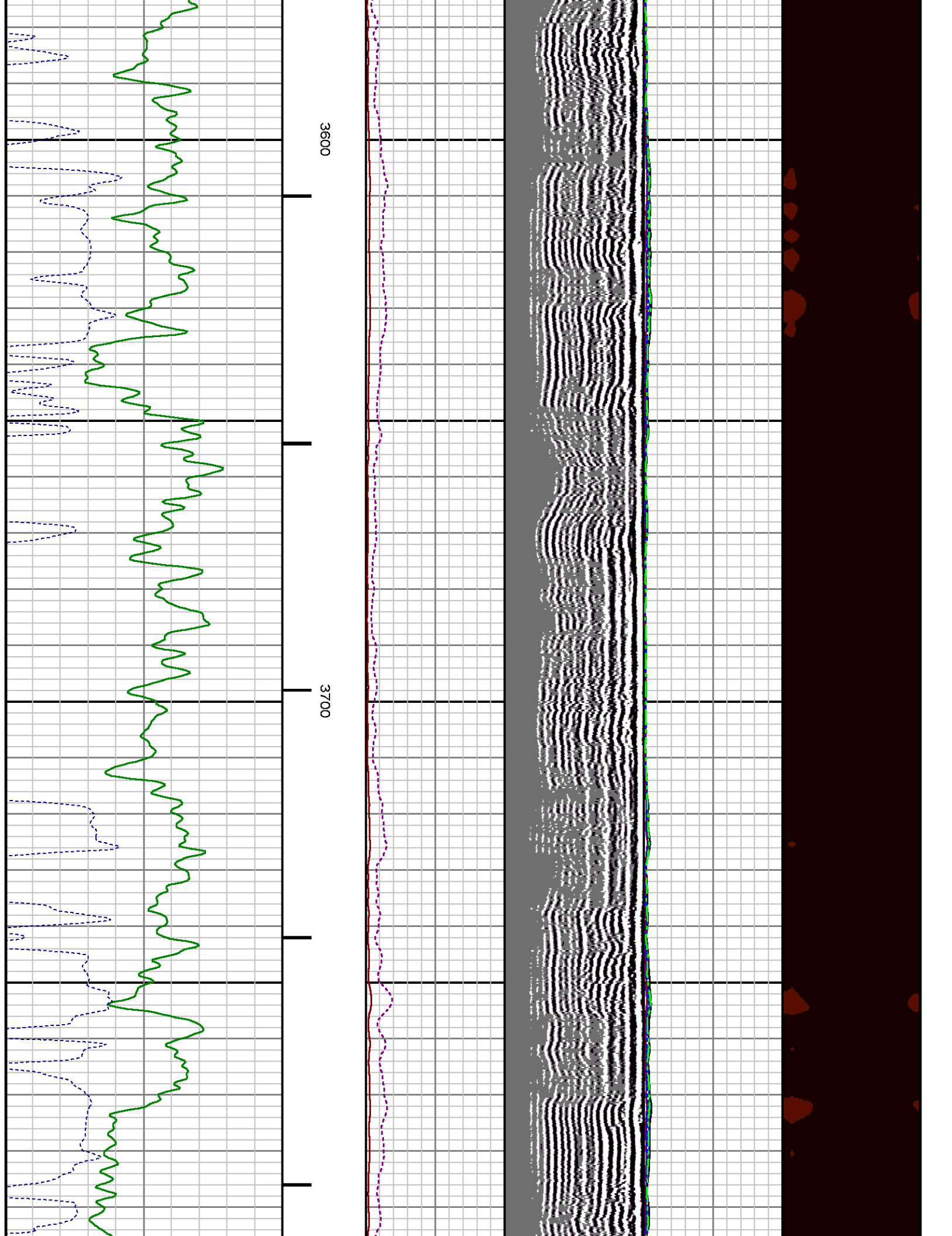
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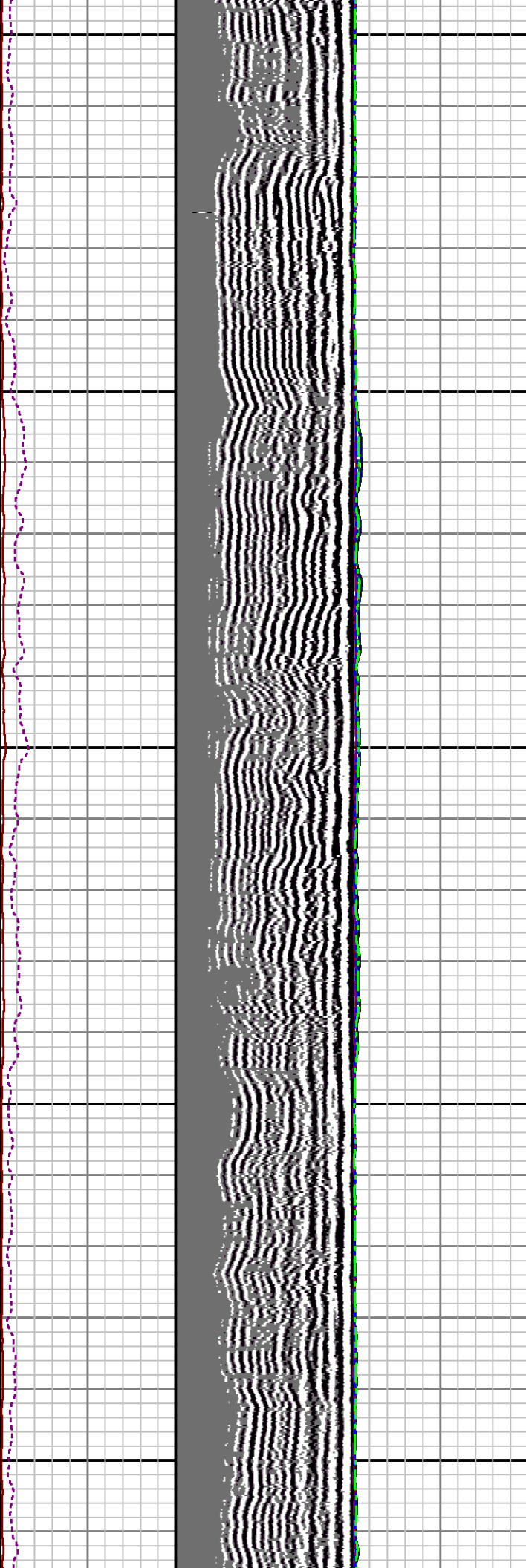




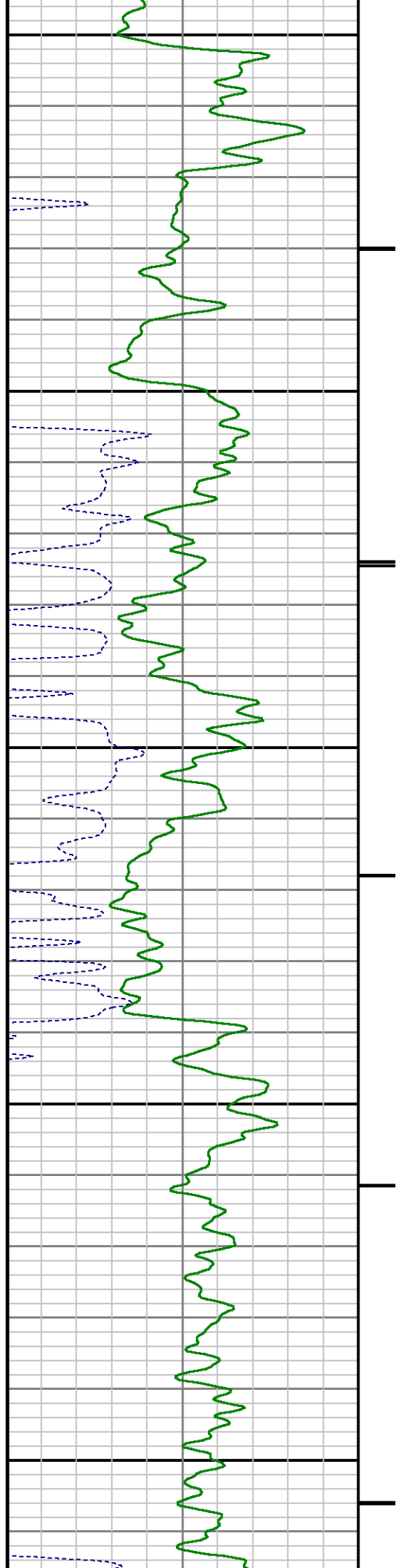


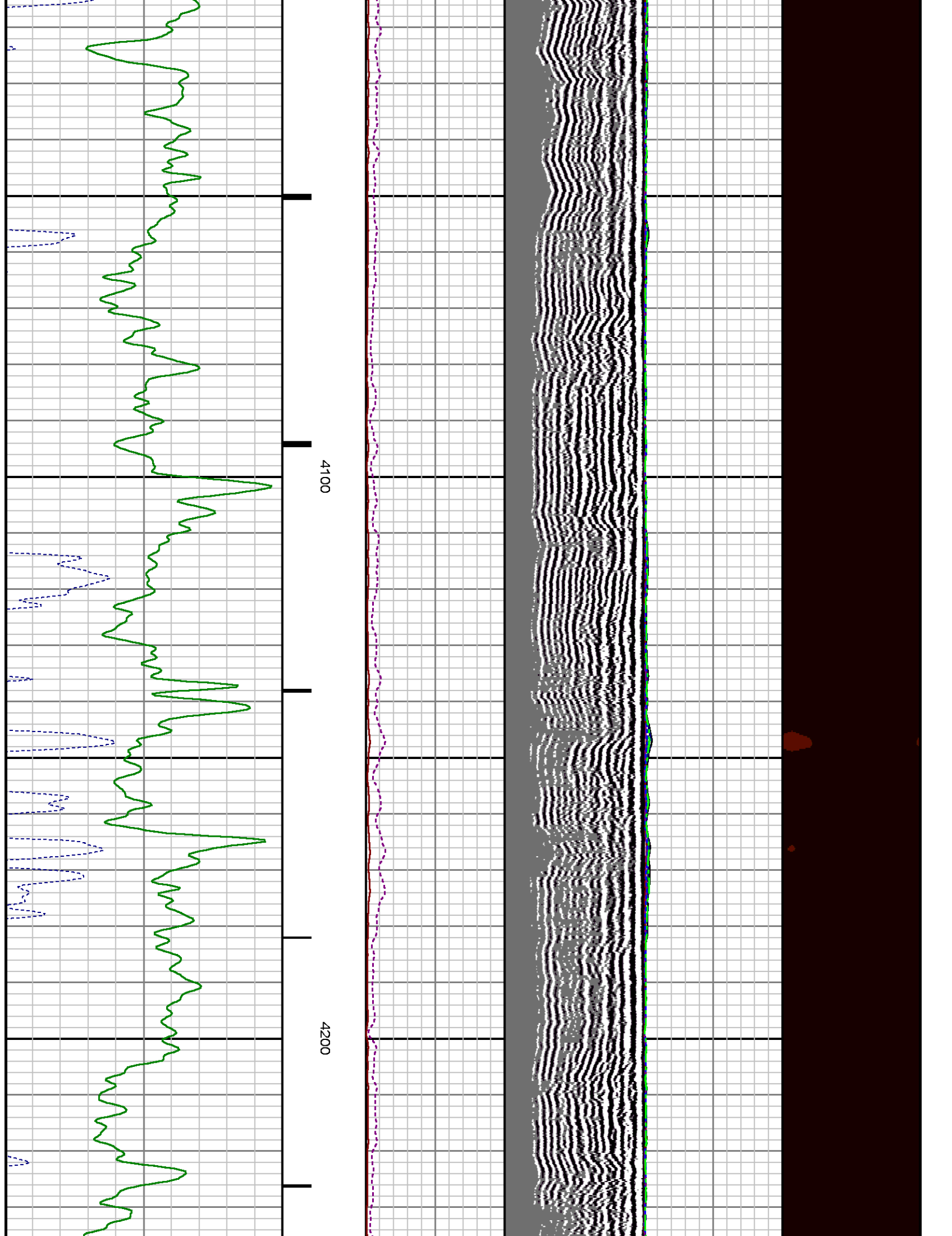


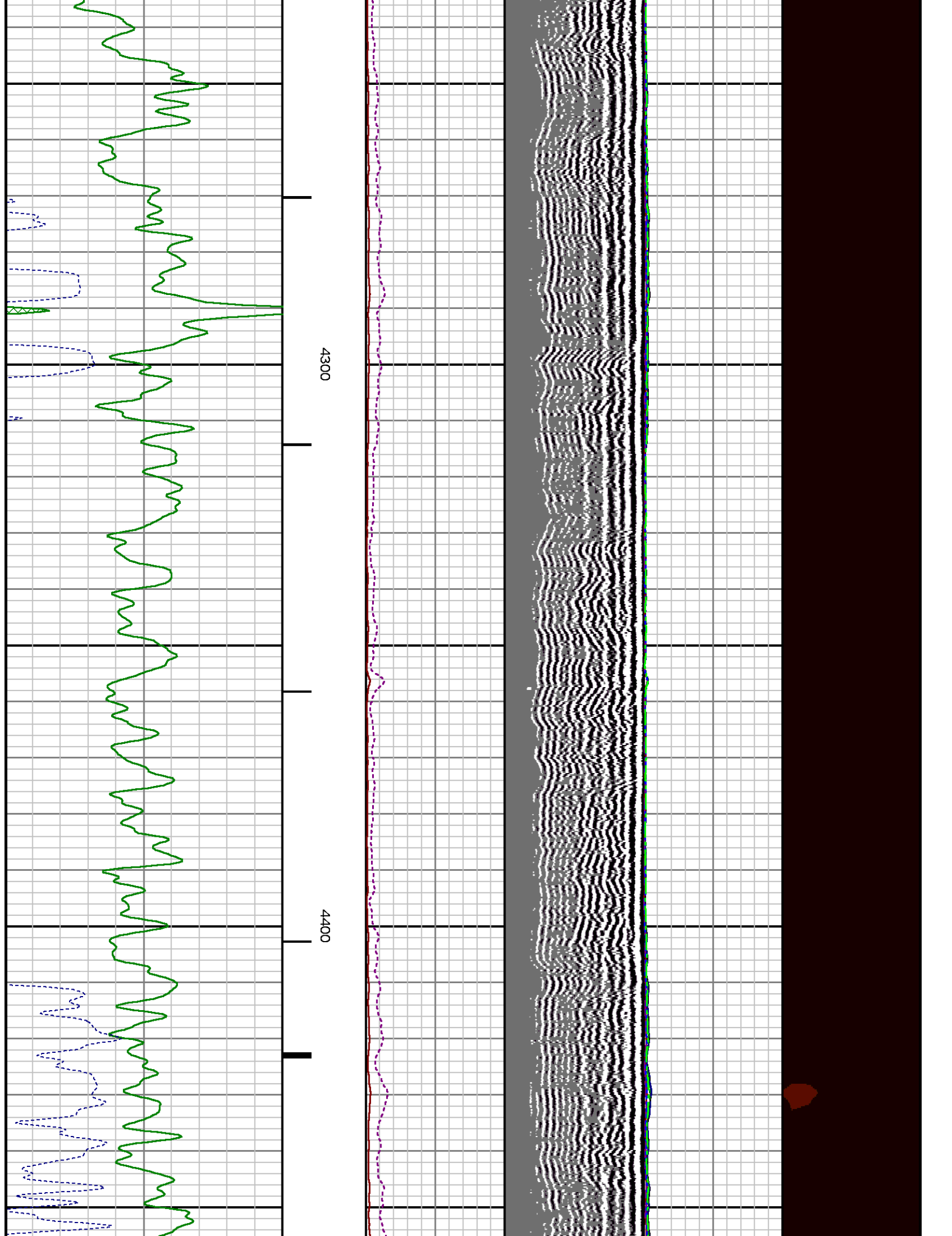


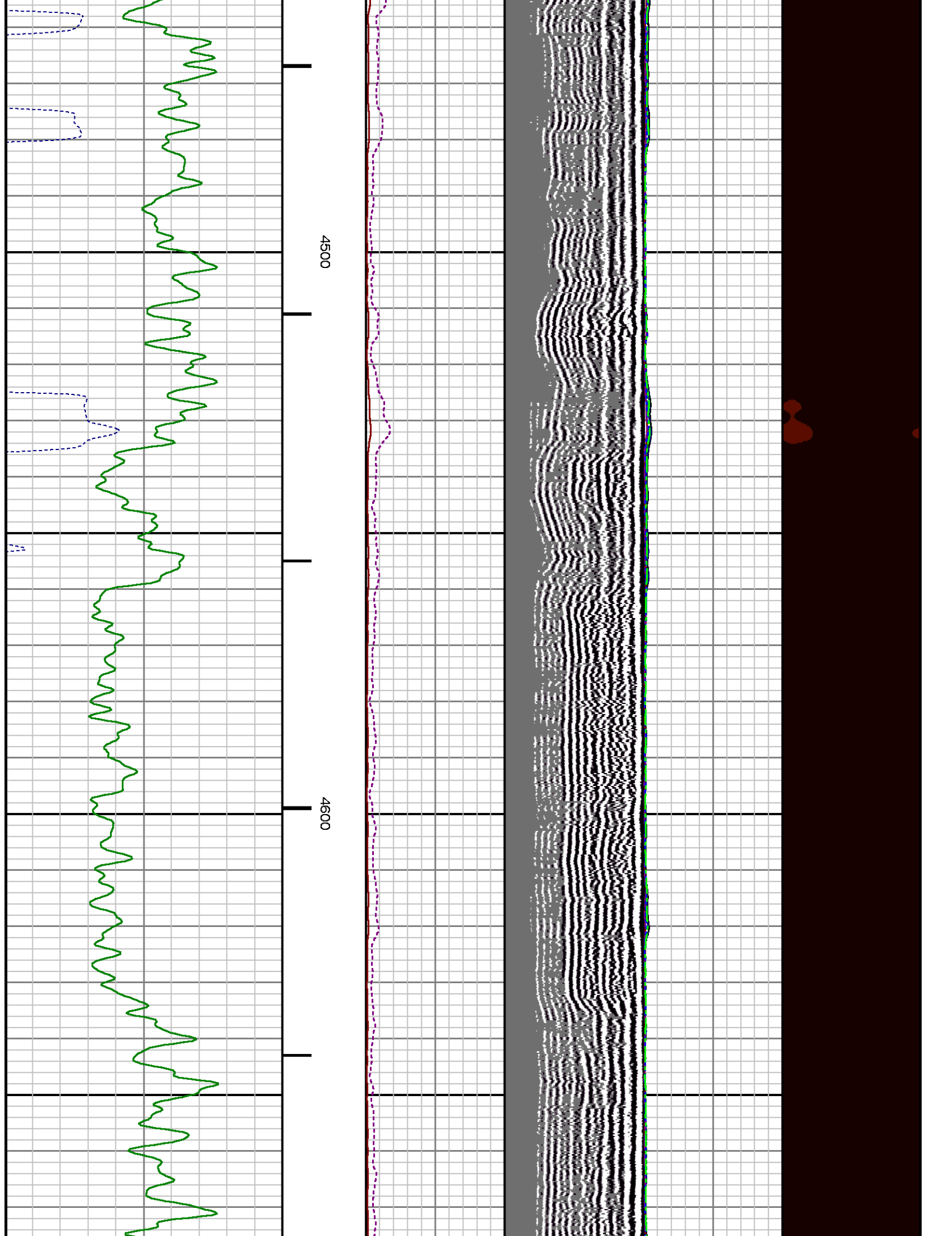


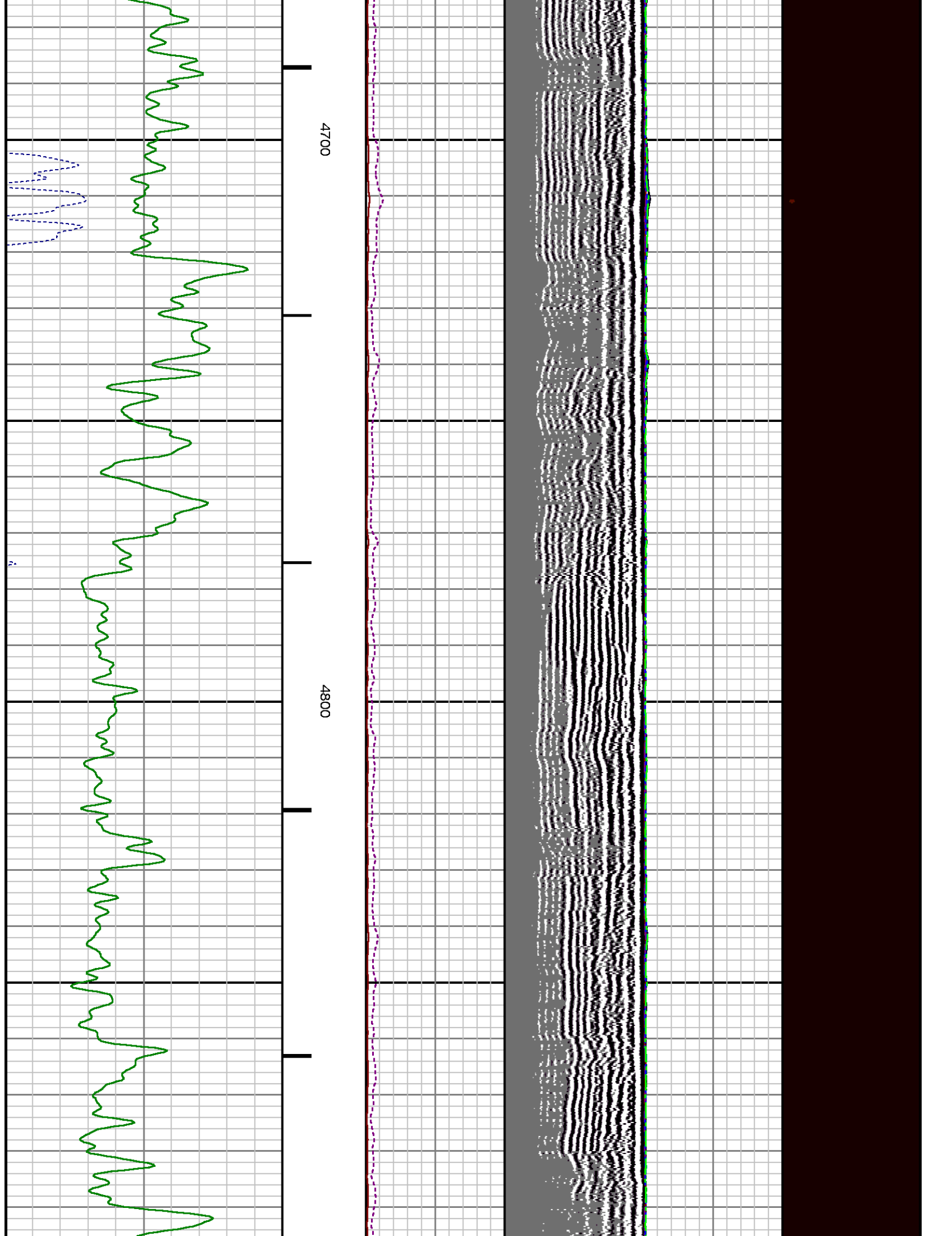
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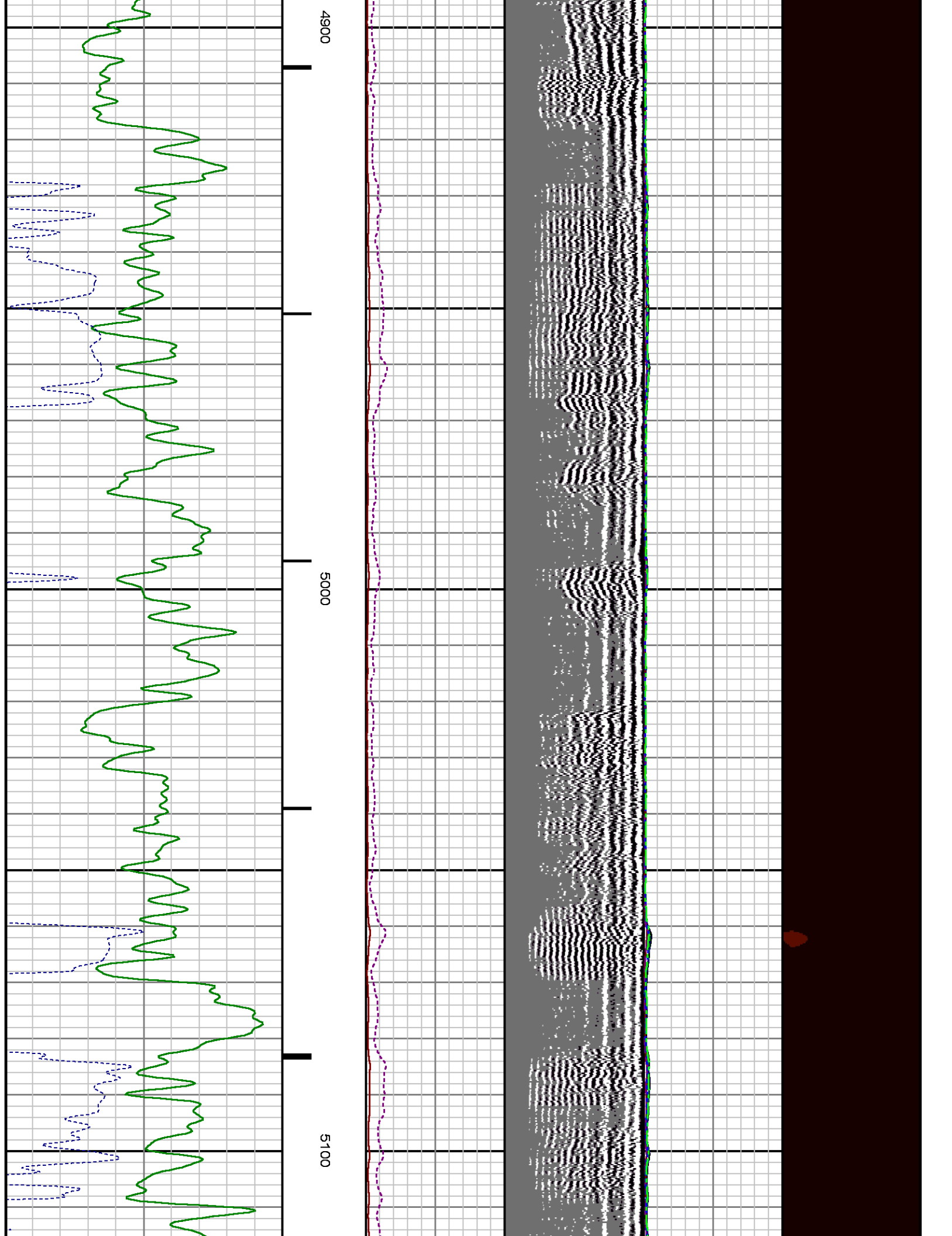


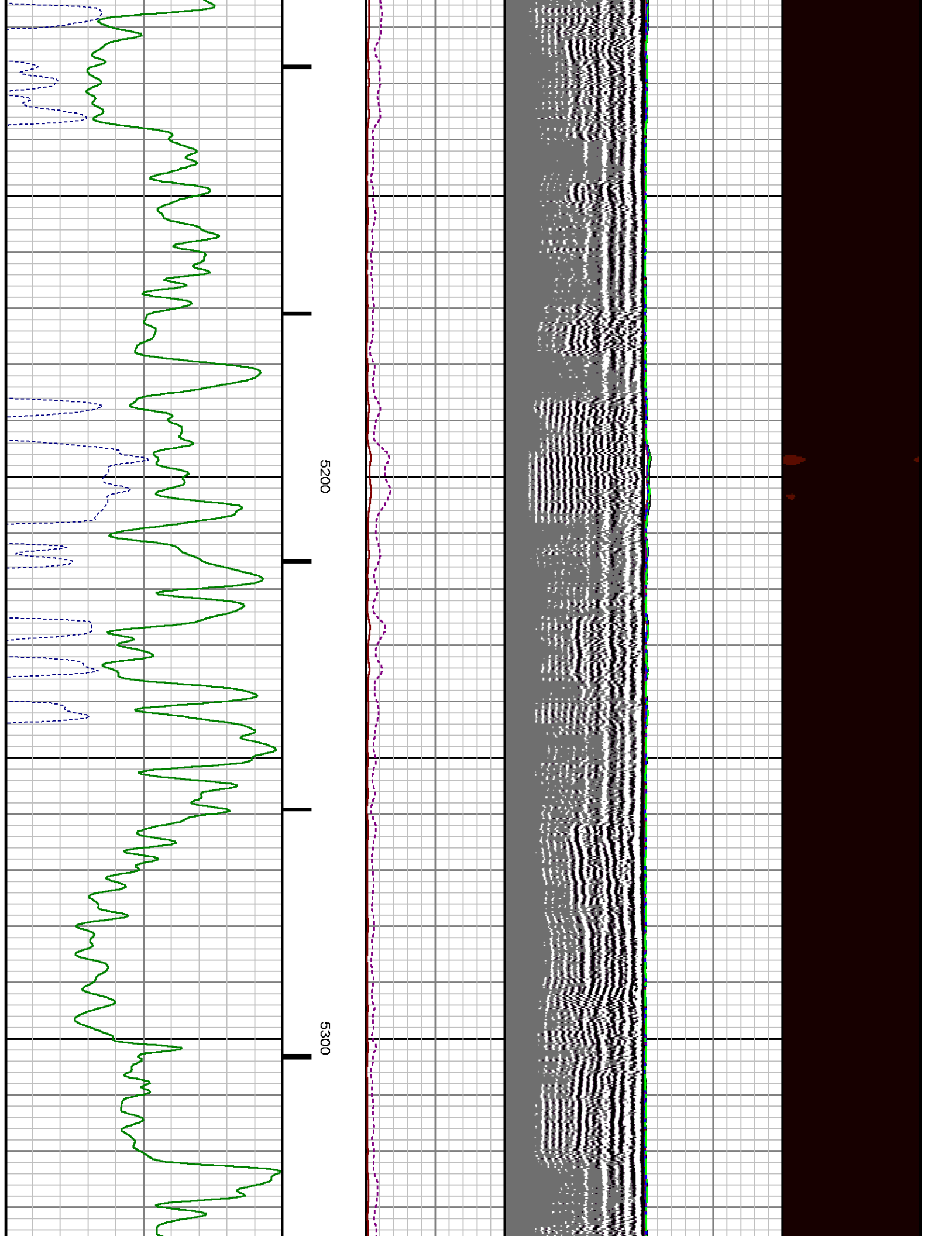


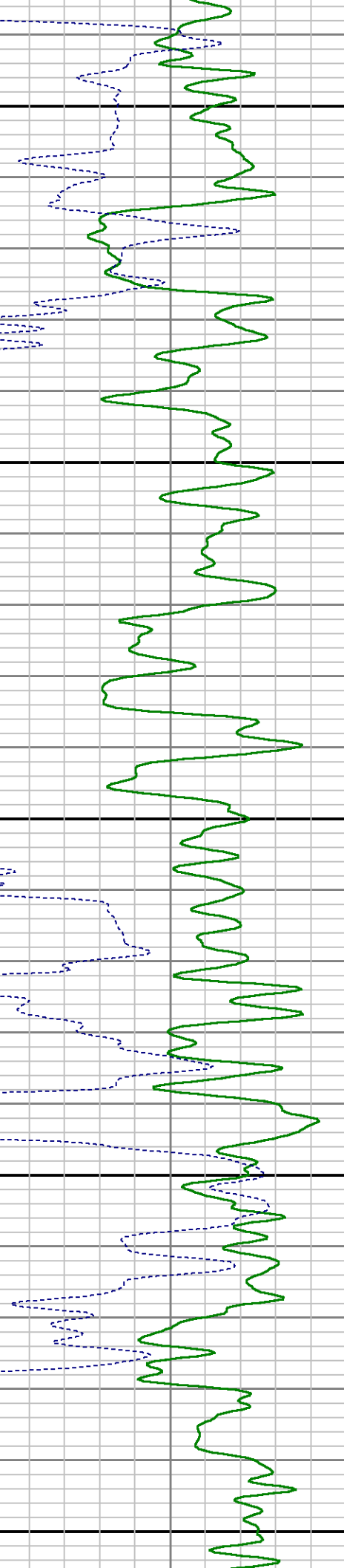
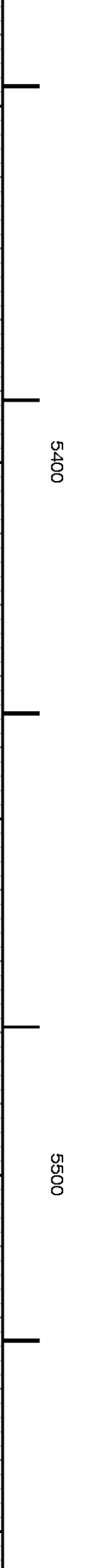
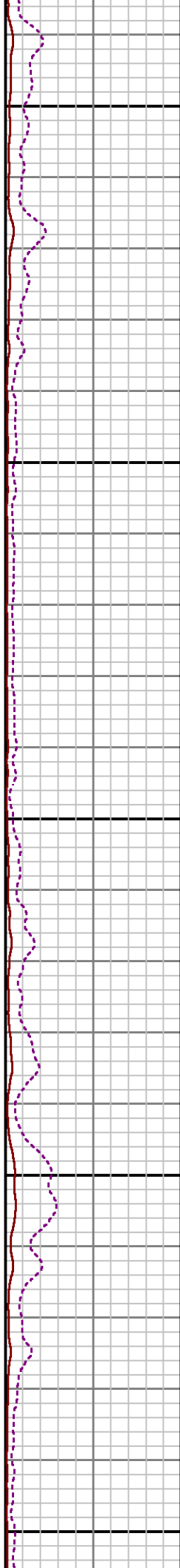
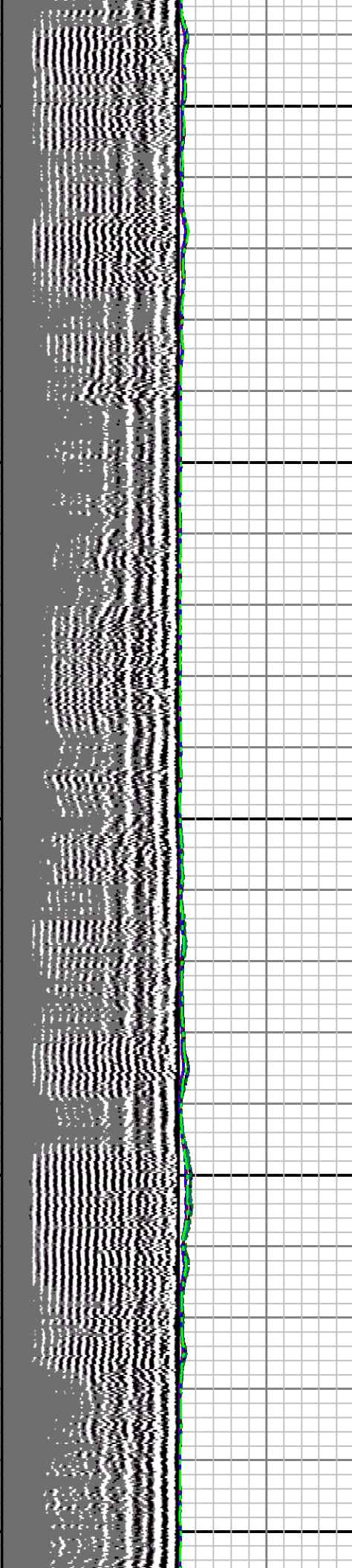


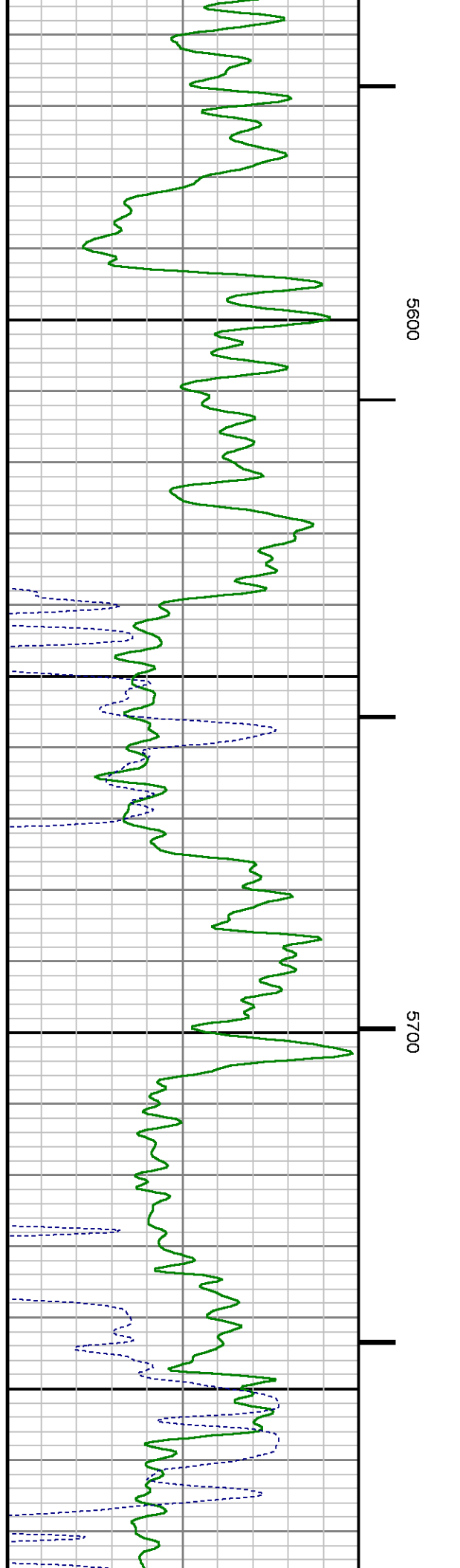
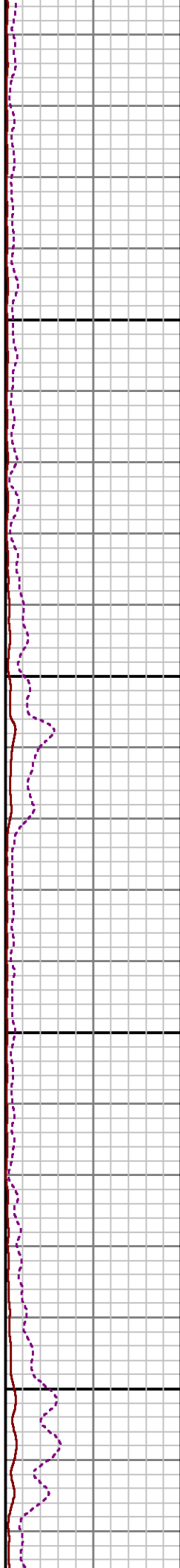
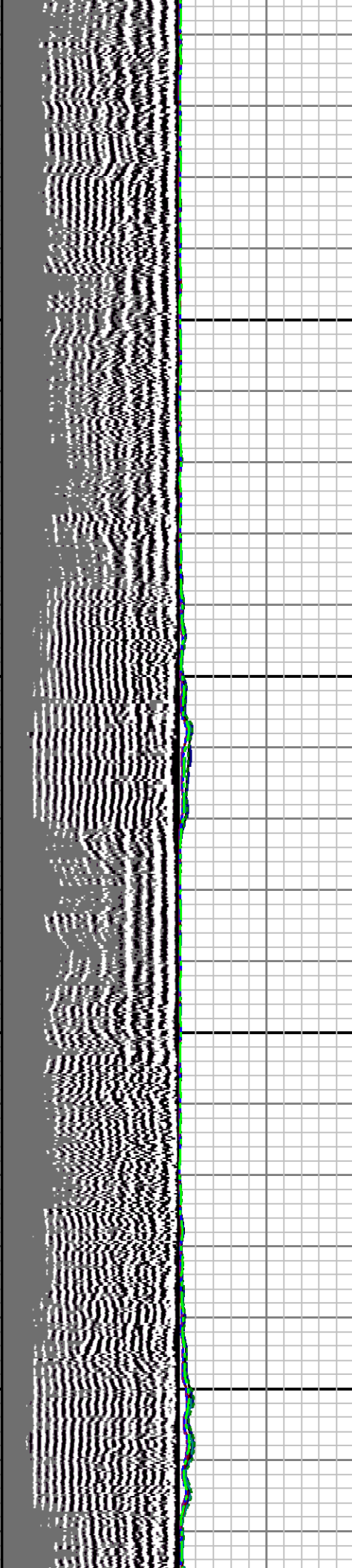


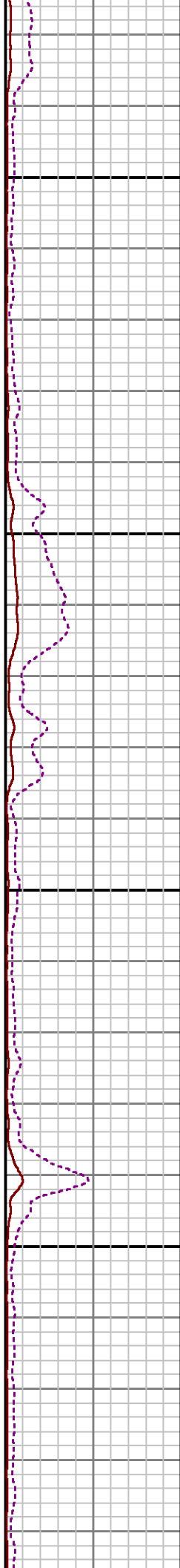
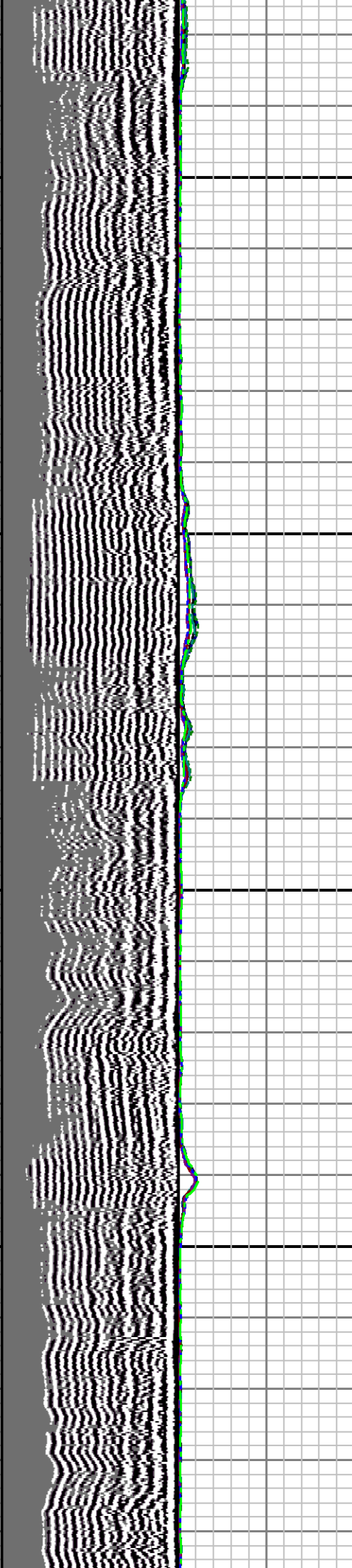
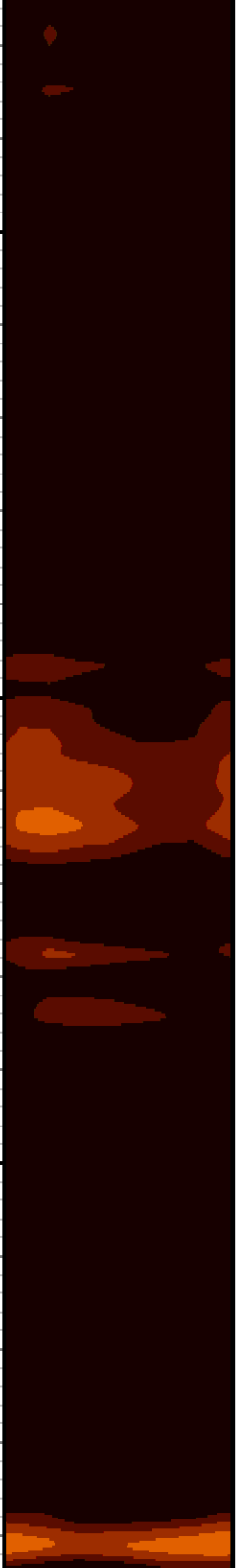






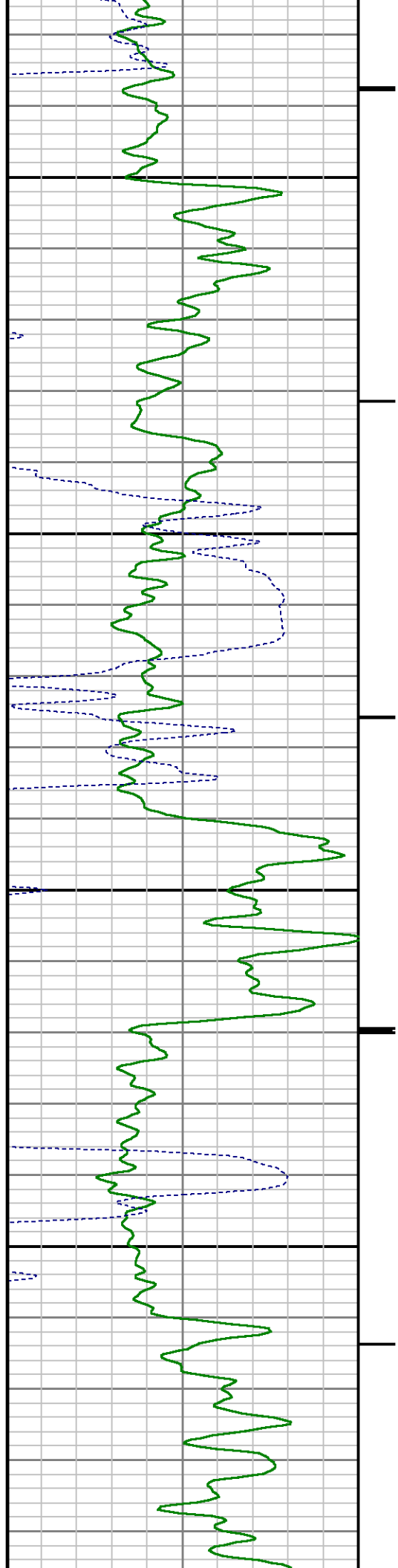


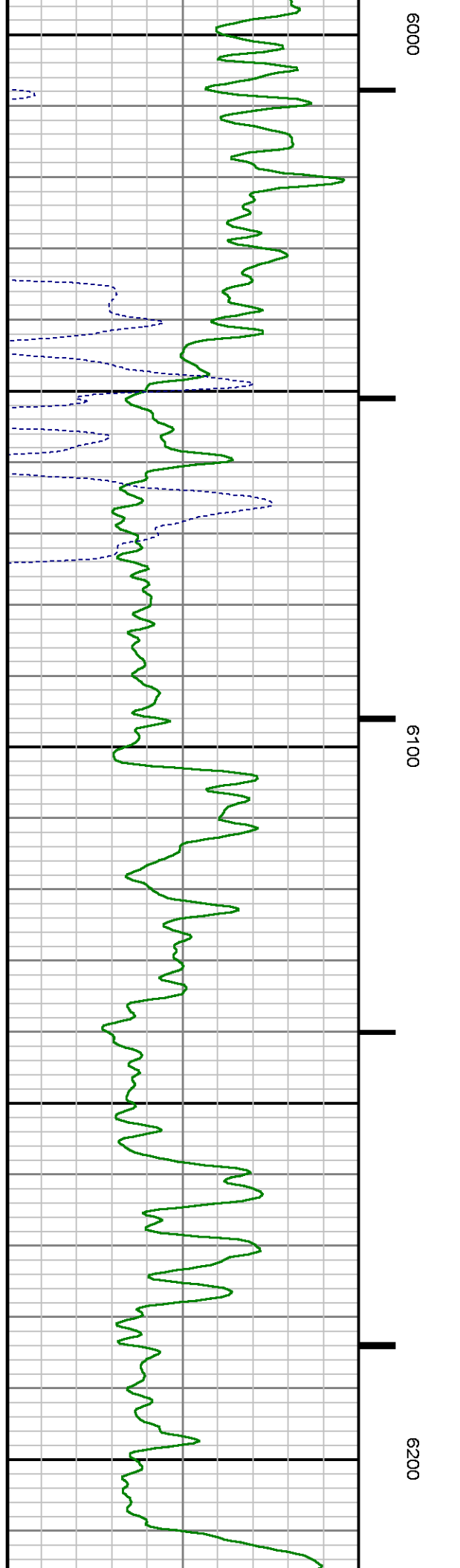
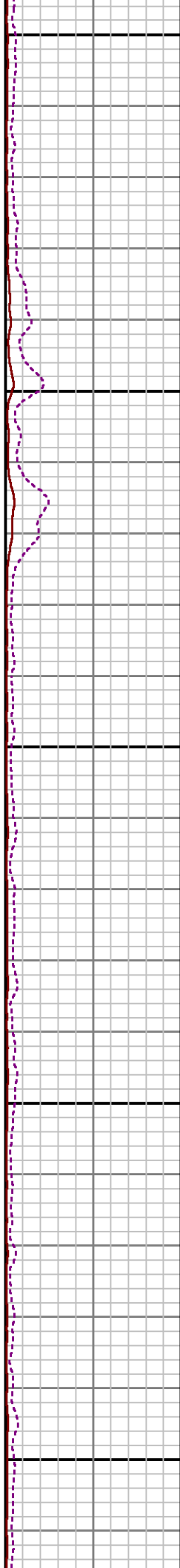
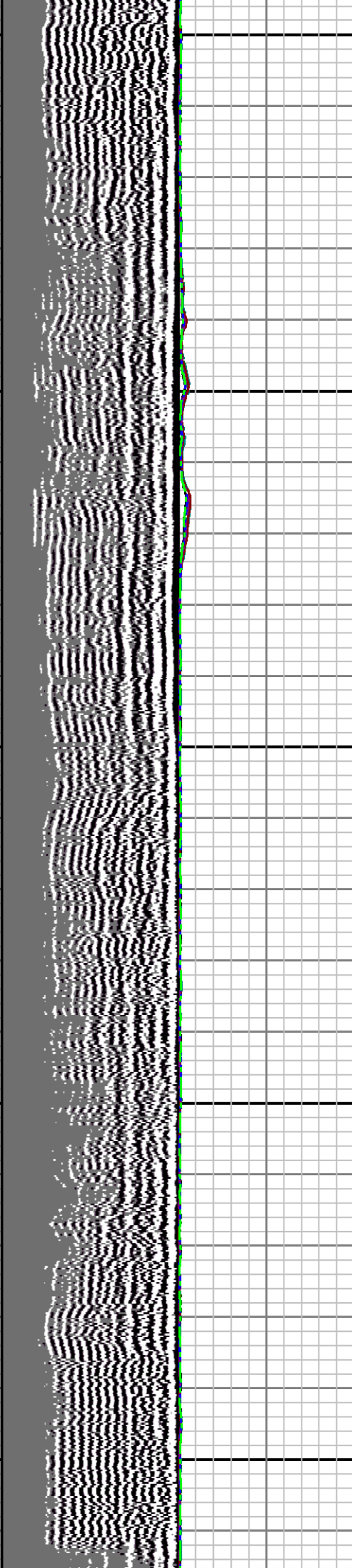
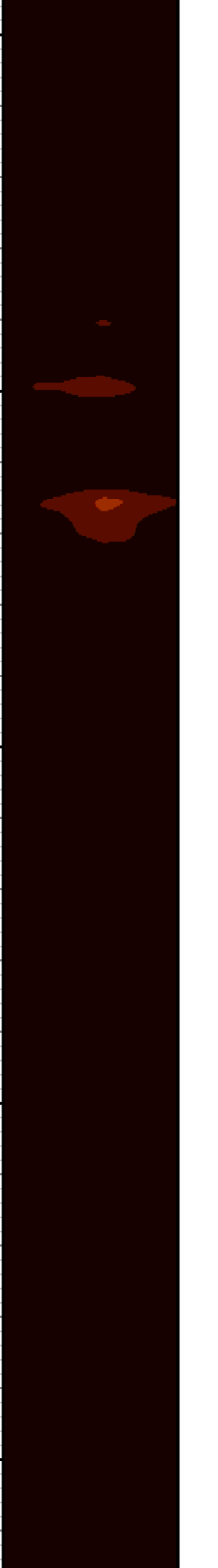


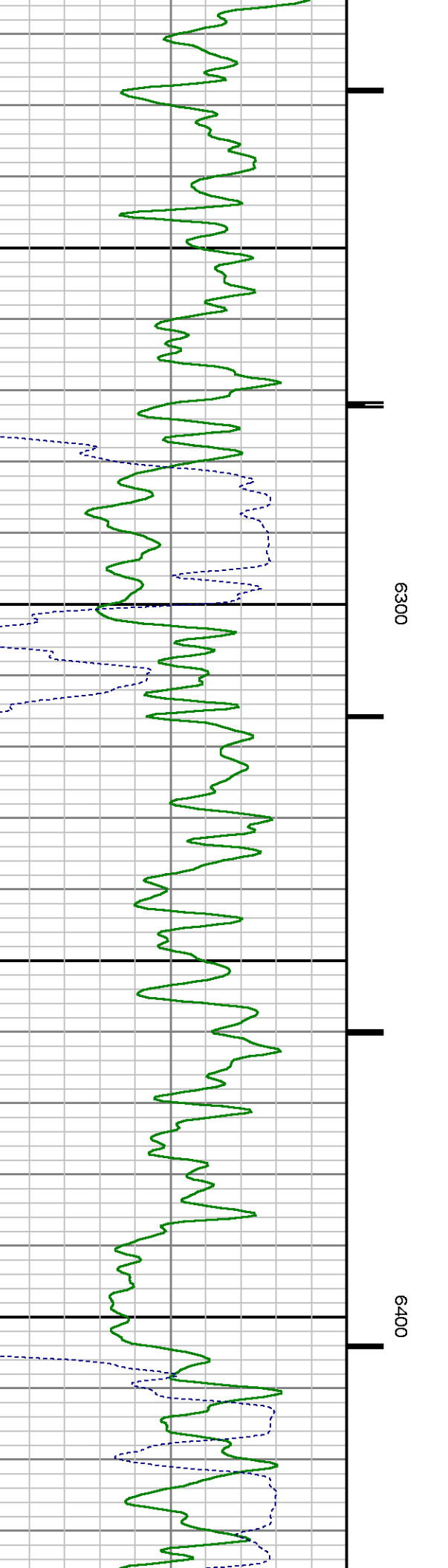
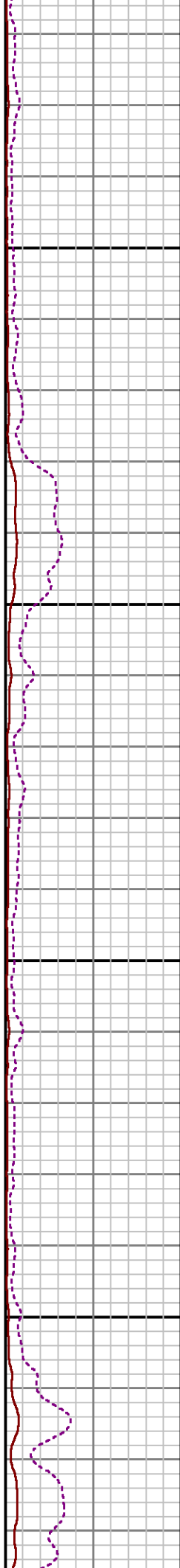
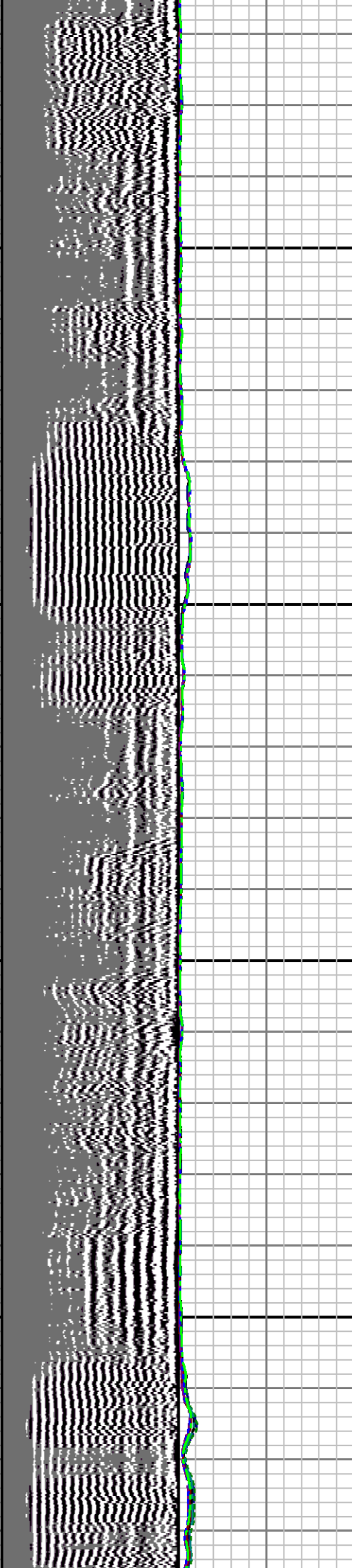


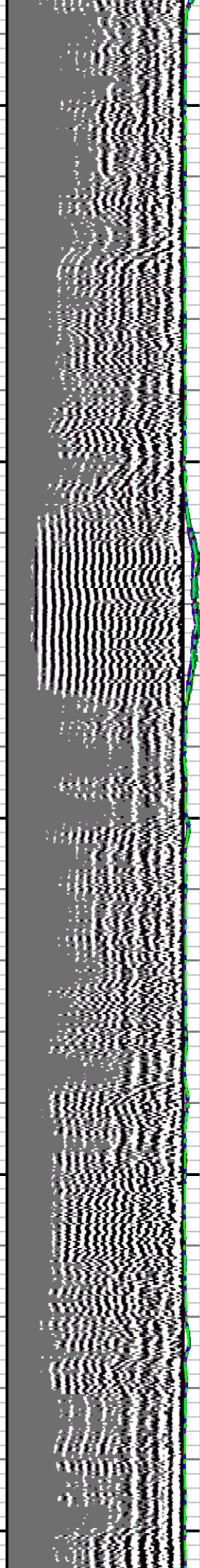
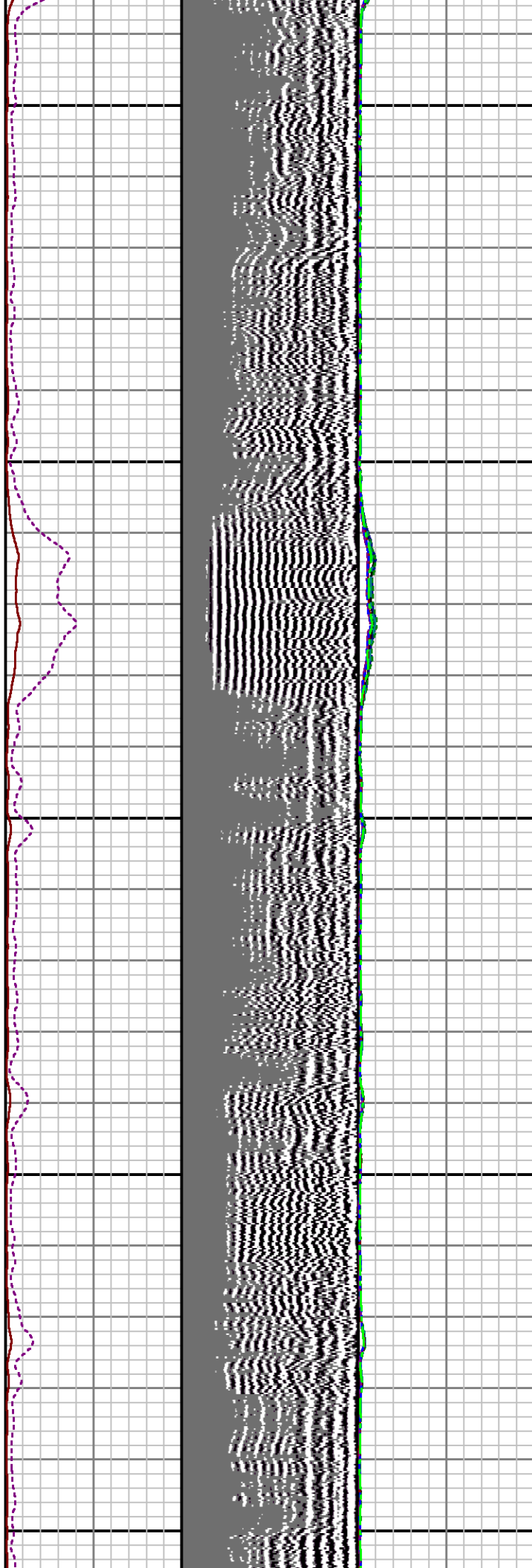
5800

5900



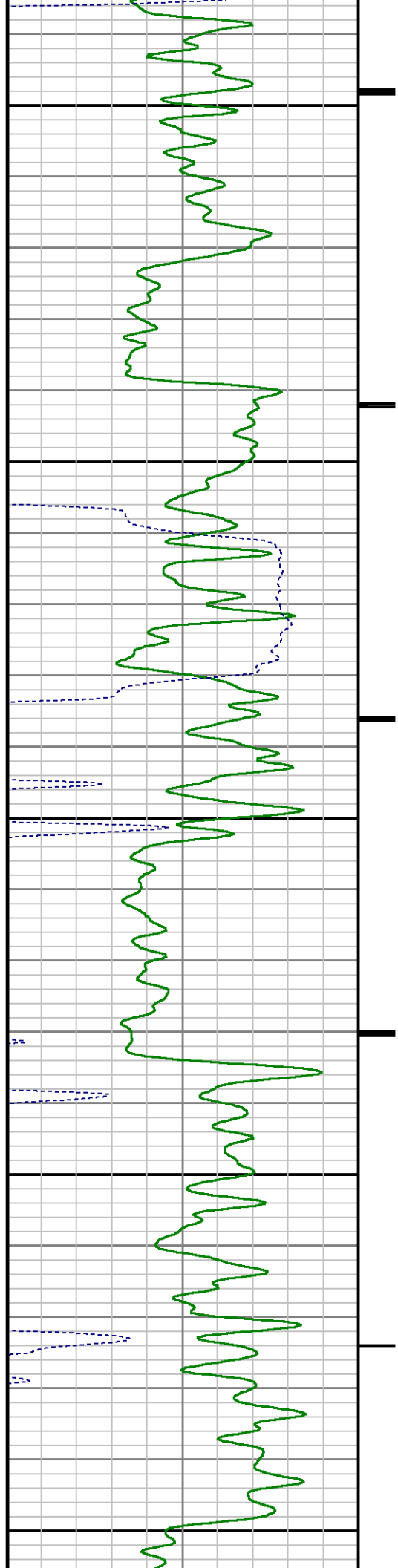


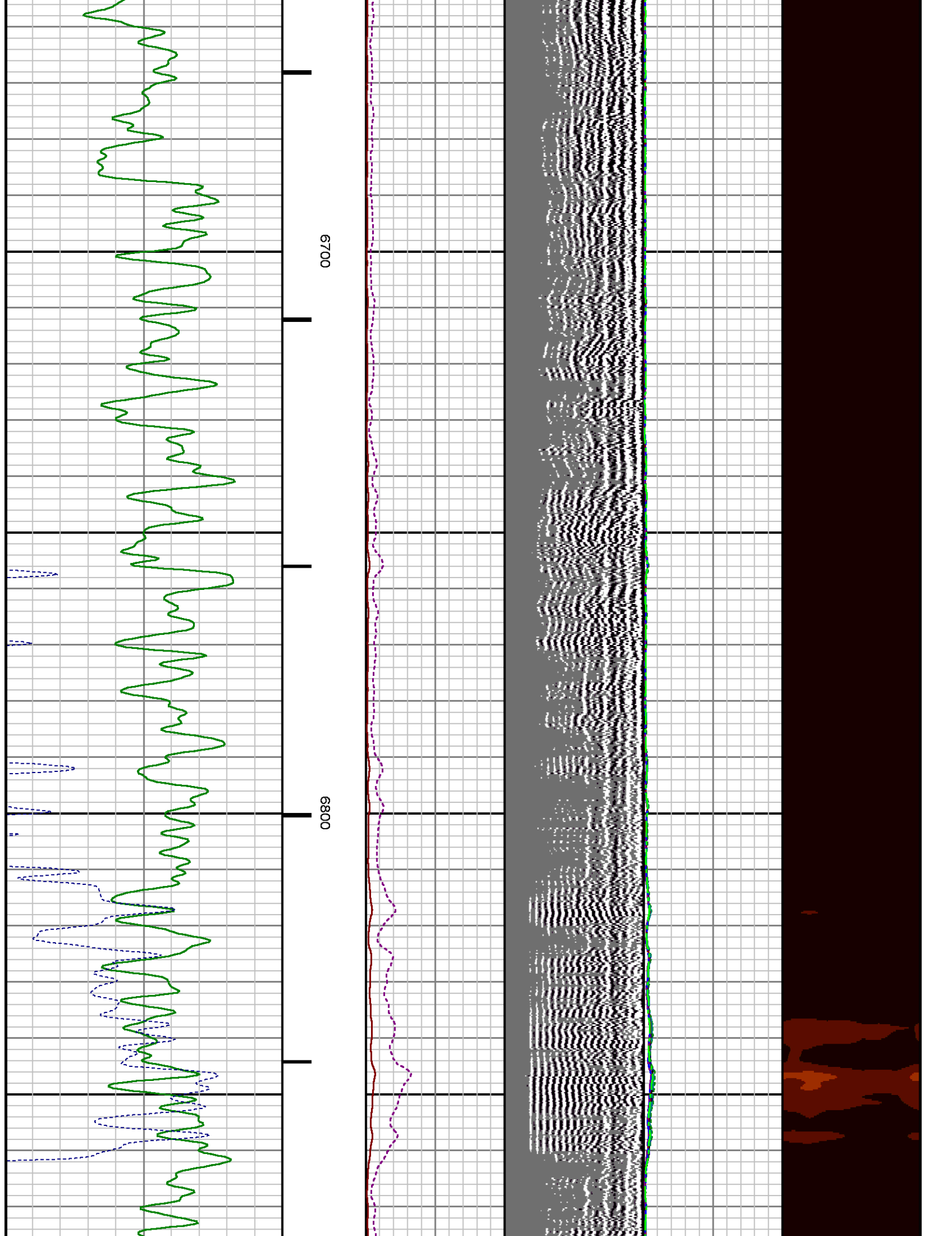


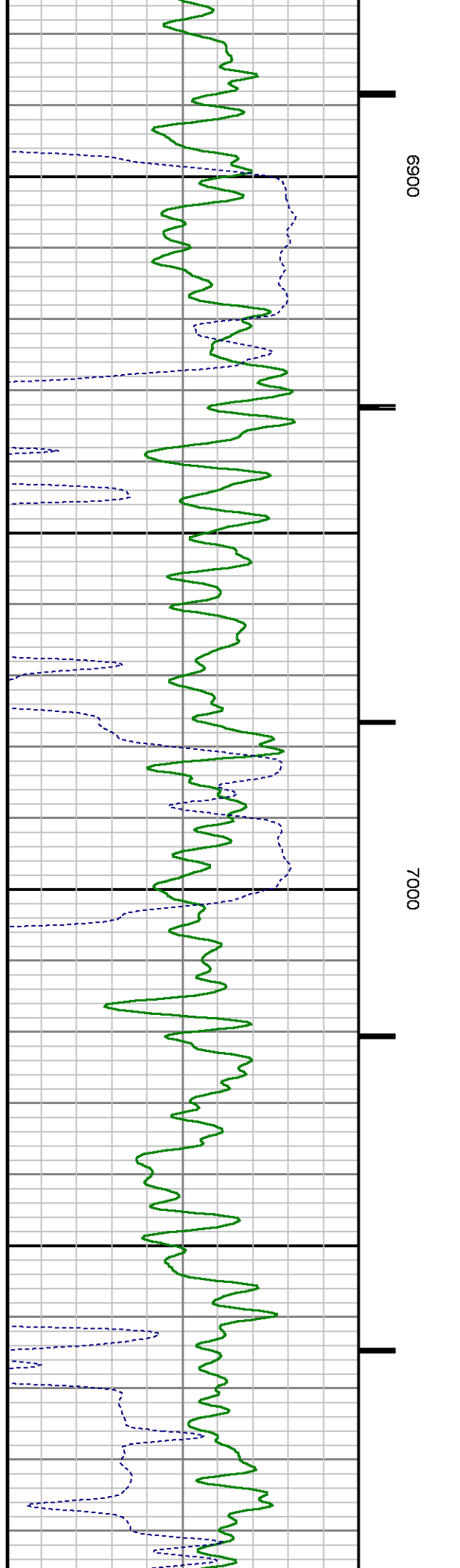
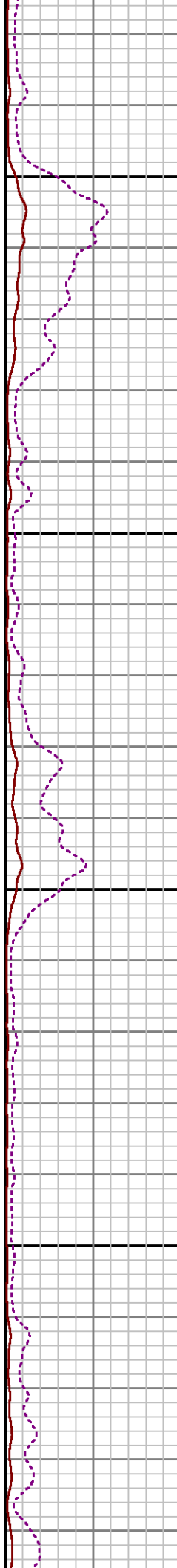
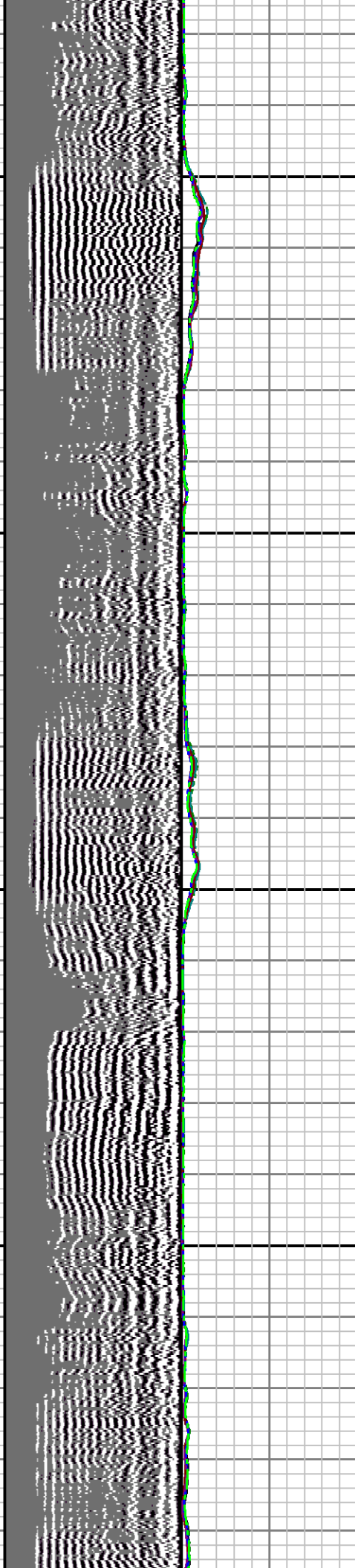


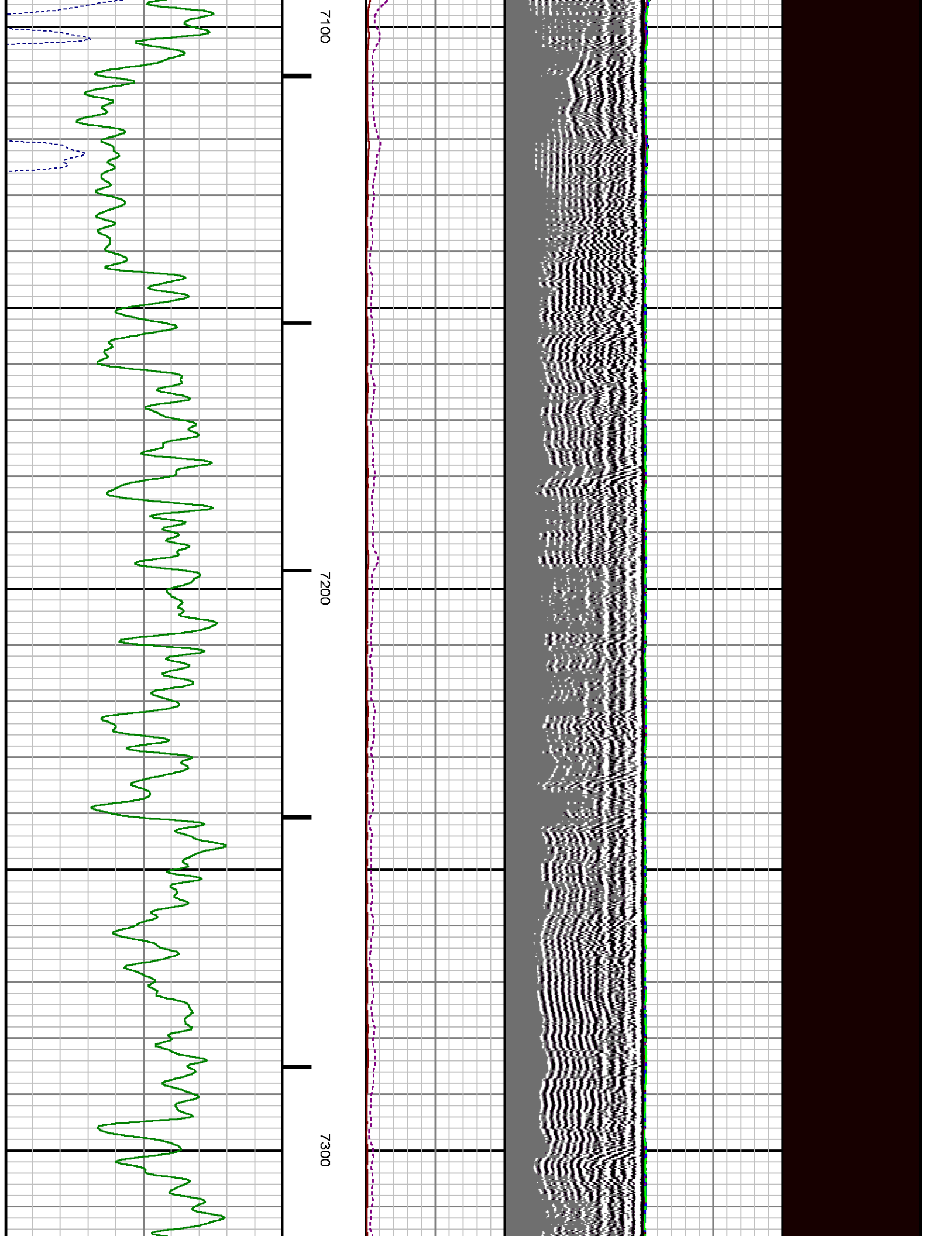
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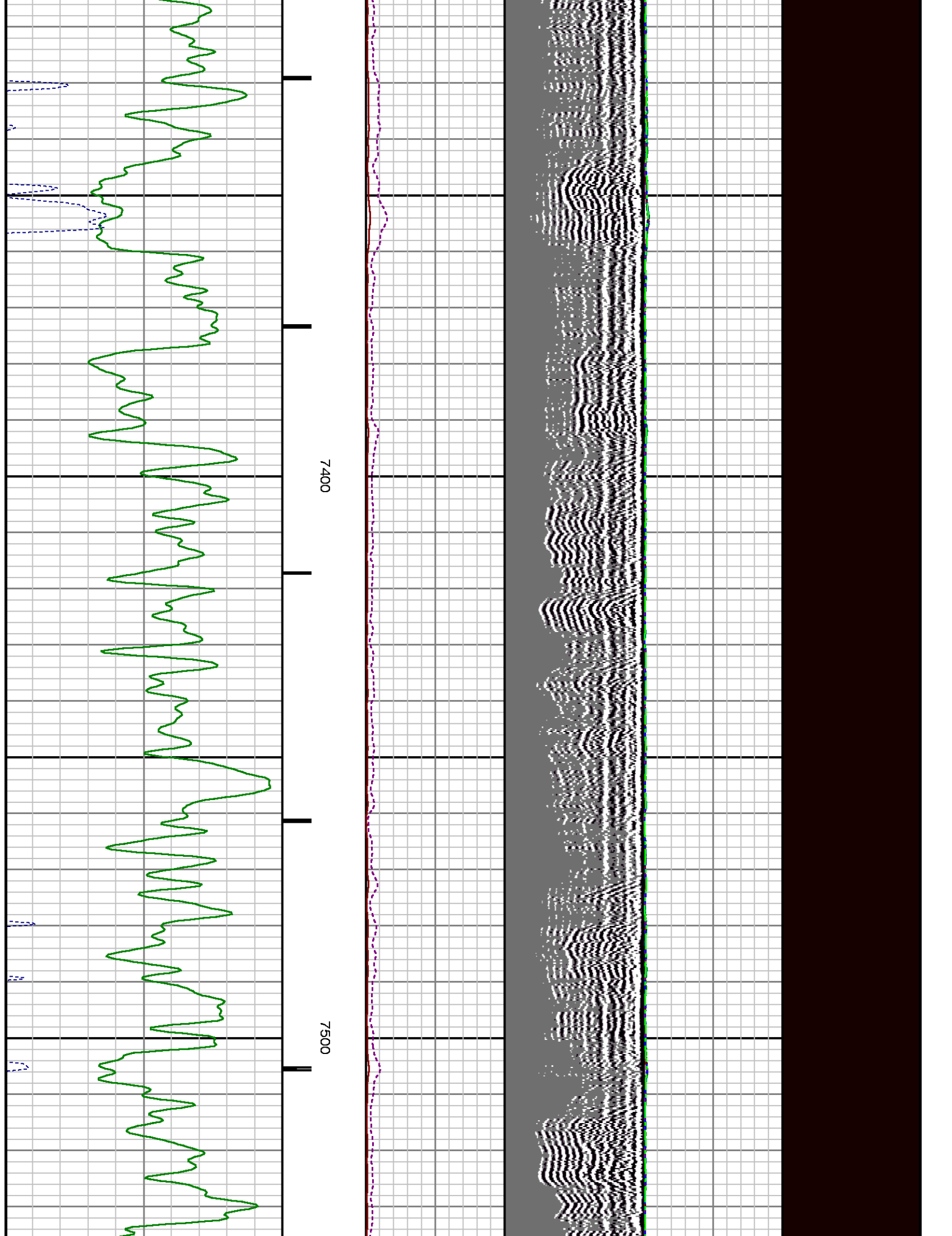
6600

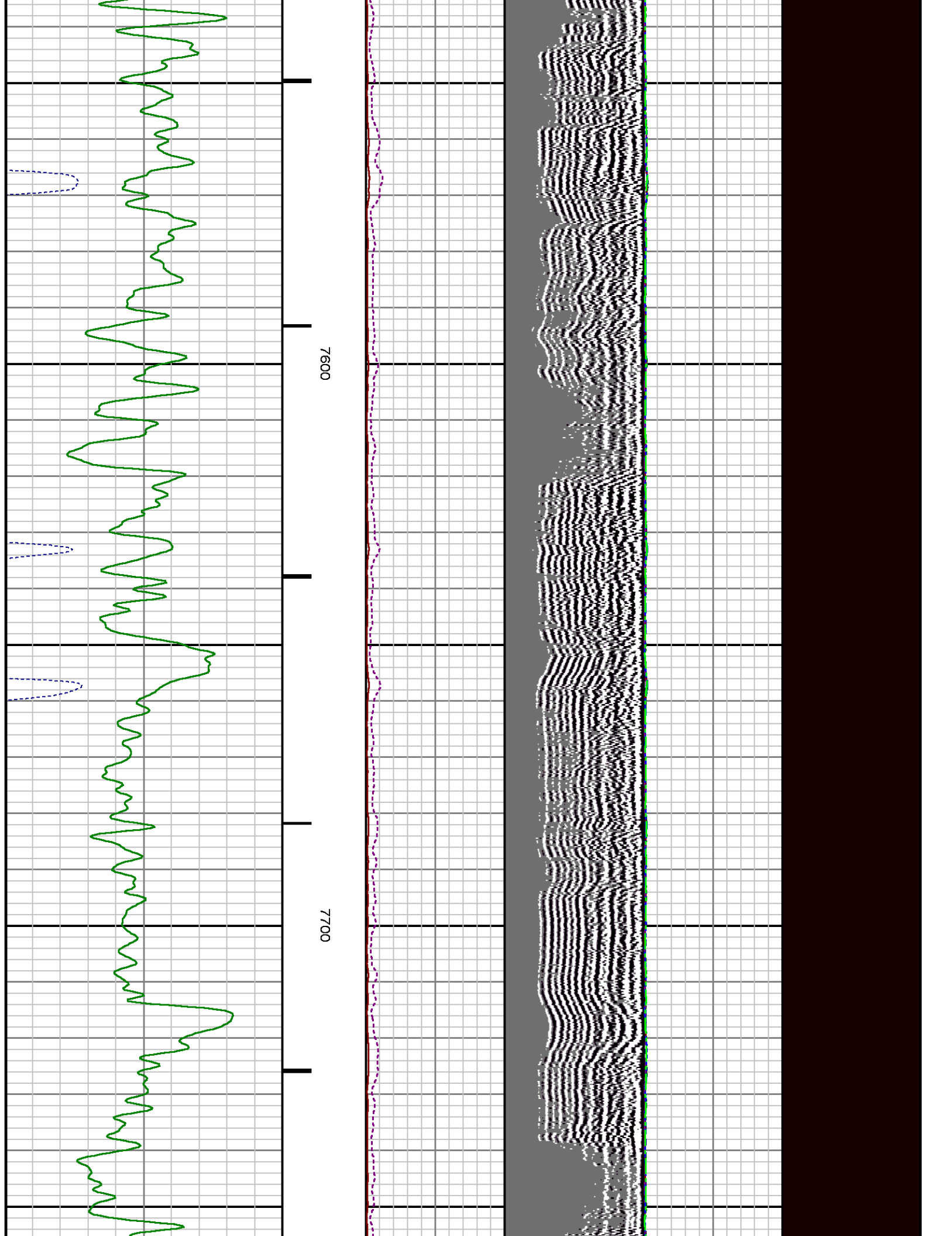


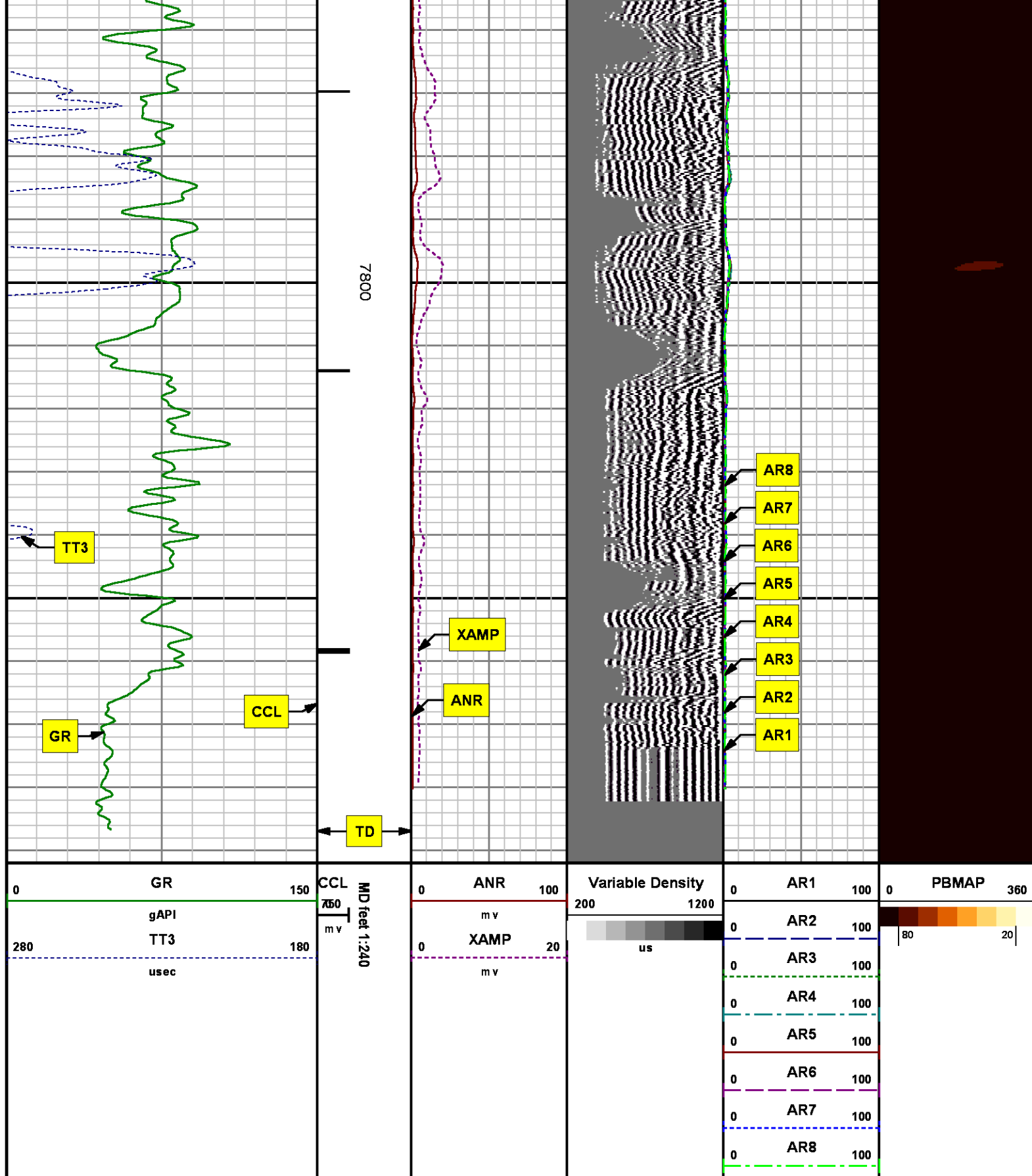












REPEAT SECTION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	7562.720	7896.970
RAL	Amp Gate Start Near	195.000	usec	7562.720	7896.970
RAL	Amp Gate Start Radial	195.000	usec	7562.720	7896.970
RAL	Amp Gate Width Far	25.000	usec	7562.720	7896.970
RAL	Amp Gate Width Near	25.000	usec	7562.720	7896.970
RAL	Amp Gate Width Radial	25.000	usec	7562.720	7896.970
RAL	casing od	4.500	inches	7562.720	7896.970
RAL	casing wt	11.600	lbm/ft	7562.720	7896.970
RAL	FB Start Far	291.900	usec	7562.720	7896.970
RAL	FB Start Near	175.391	usec	7562.720	7896.970
RAL	FB Start Radial	175.391	usec	7562.720	7896.970
RAL	FB Thresh Far	10.000	mv	7562.720	7896.970
RAL	FB Thresh Near	4.000	mv	7562.720	7896.970
RAL	FB Thresh Radial	4.000	mv	7562.720	7896.970
RAL	Fluid Travel Time	200.000	usec/ft	7562.720	7892.094

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-16.750	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	-15.750	AFAR	SIG	TT5			
2459XA	-11.340	CCL					
2459XA	-9.490	GR					
2459XA	-4.090	NEU					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

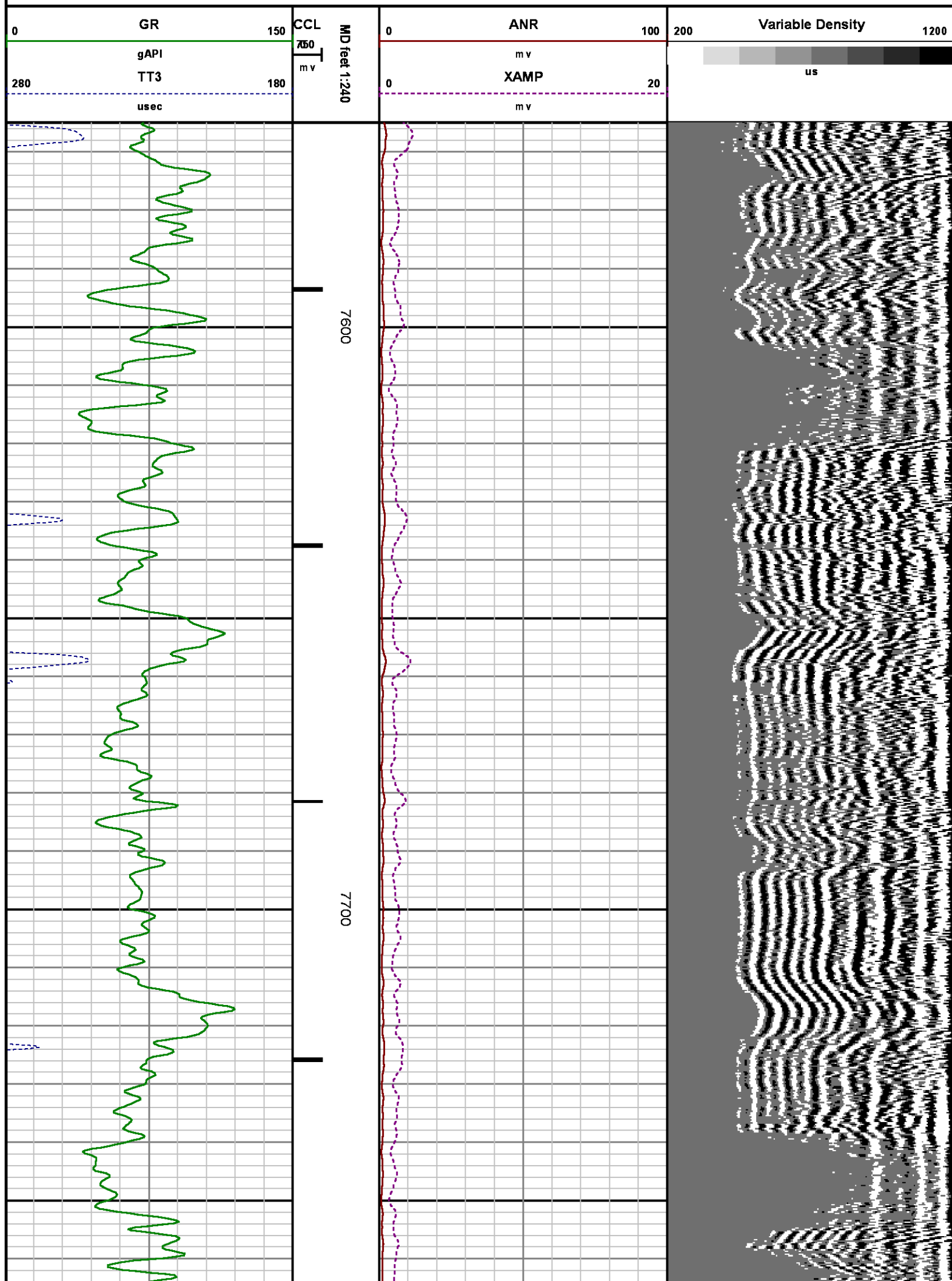
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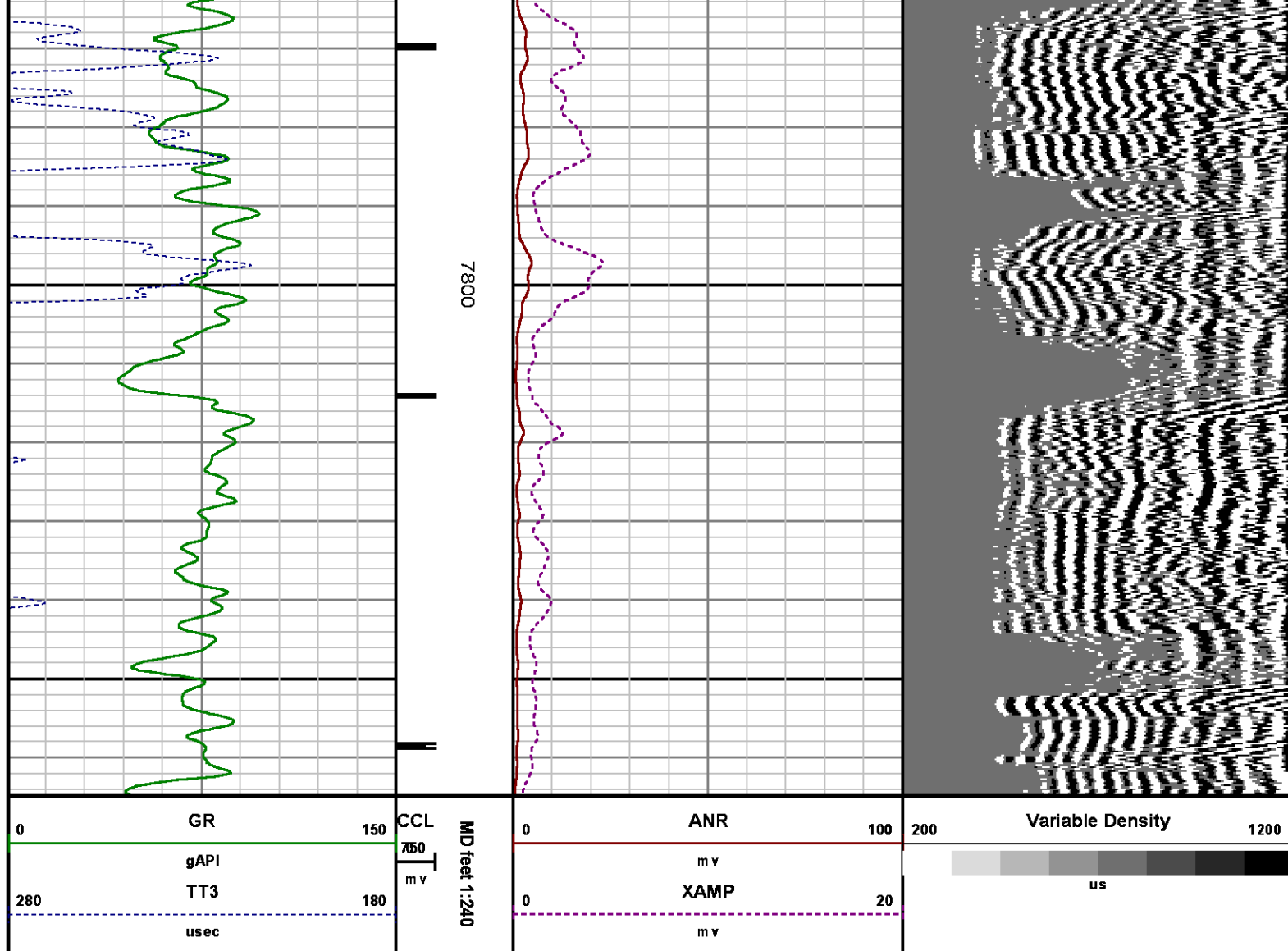
File Name : d:\well\data\wpx\wpx energy pa 44-3\44cbl\repeat.xtf

Mode : PlotMgr 5.4.504

Interval : 7565.00 - 7865.00 feet UP

Created : 6/24/2014 7:56:43 AM





CALIBRATION SUMMARY

RALSHP

Shop Calibration: C:\case\calver\RALSHP\49623_shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Mon Jun 23 07:56:36 2014 TOOL SERIES: 1426XA ASSET: 496 SEQ: 23

Tool Delay [u sec] -53.00 Tank OD in 5.50 Tank Wt lbm/ft 15.50 Tank ID in 4.95

RECEIVER	Travel Time [u sec]	Amp. Gate Start [u sec]	Amp. Gate Width [u sec]	Zero Gate Start [u sec]	Zero Gate Width [u sec]	Zero Amp. [mV]	Amp Ref. [mV]	Shop Factor
CAL Pulse	218	216	30	166	25	0.117	100.00	0.32

3 Ft. Receiver	218	216	30	166	16	1.132	100.00	0.31
5 Ft. Receiver	326	325	30	257	25	0.564	150.00	0.36
Radial #1	218	216	30	166	18	0.704	100.00	0.32
Radial #2	217	216	30	166	18	0.702	100.00	0.31
Radial #3	216	216	30	166	18	0.703	100.00	0.31
Radial #4	216	216	30	166	18	1.036	100.00	0.31
Radial #5	217	216	30	166	18	1.004	100.00	0.31
Radial #6	218	216	30	166	18	0.879	100.00	0.32
Radial #7	218	216	30	166	18	0.461	100.00	0.32
Radial #8	219	216	30	166	18	0.900	100.00	0.32

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\49624 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Tue Jun 24 07:28:56 2014 TOOL SERIES: 1426XA ASSET: 496 SEQ: 24

Tool Delay [usec] -53.00 Casing OD in 4.50 Casing Wt lbm/ft 11.60 Casing ID in 4.00

RECEIVER	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Full Amp. [mV]	Wellsite Factor	Amp. Ref [mV]
CAL Pulse	166	25	0.008	0.000	1.00	100.000
3 Ft. Receiver	195	25	2.529			
5 Ft. Receiver	305	25	3.397			
Radial #1	195	25	1.592			
Radial #2	195	25	1.806			
Radial #3	195	25	2.046			
Radial #4	195	25	2.169			
Radial #5	195	25	2.368			
Radial #6	195	25	2.464			
Radial #7	195	25	1.881			
Radial #8	195	25	1.701			

GAMMA RAY

Calibration File: C:\case\calver\GR\456 J1.cal

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Tue Jun 10 11:37:19 2014 TOOL SERIES: 2459XA ASSET: 456 SEQ: J1

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	93.20	369.51	0.670	62.40	247.40	185.00

Verification File: C:\case\calver\GR\456 J1.VB

PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED: Tue Jun 10 11:38:30 2014

TOOL SERIES: 2459XA ASSET: 456 SEQ: J1

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	101.16	371.24	0.670	67.73	248.56	180.83

TOOL DIAGRAM

OTA SHORT CABLE HEAD**PROBE 2 3/4 DUAL RECEIVER RADII**

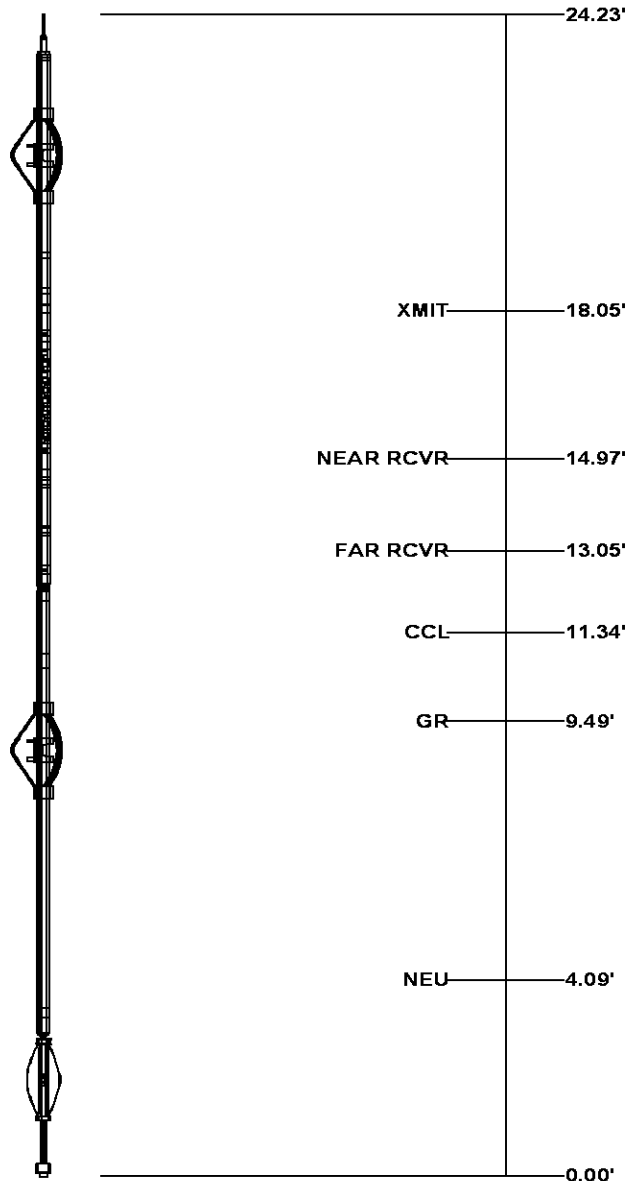
Series 1426XA
Mnemonic PROB
Diameter 2.75"
Length 11.17'
Measure Point 0.75' FAR RCVR
Measure Point 2.67' NEAR RCVR
Measure Point 5.75' XMIT
Temp Rating 350.00 °F
Press Rating 18000.00 PSI

Probe GR/CCL/NEU



Series 2459XA
Mnemonic PROB
Diameter 2.75"
Length 9.42'
Measure Point 1.21' NEU
Measure Point 6.60' GR
Measure Point 8.46' CCL

CENTRALIZER

Series RALCENT
Mnemonic CENT
Diameter 3.12"
Weight 20.00 lb



Total Length: 24.23'
Total Weight: Not Available
Max Diameter: 0' 3.12"

<div></div> <div>Baker Atlas</div> <div></div>	Company	WPX ENERGY			File No:	CH087657
	Well	WPX ENERGY PA 44-3				
	Field	PARACHUTE			API No:	05045221430000
	County	GARFIELD	State	CO		
	Location		Elevations			
	SHL: 2049' FSL & 1536' FWL (2 7S 95W)		KB 5846 ft		3 7S 95W	
	BHL: 1230' FSL & 685' FEL (3 7S 95W)		DF		GV 86-2 PAD	
	SEC 3 TWP 7S RGE 95W		GL 5821 ft		AZTEC 1000	