



# RADIAL ANALYSIS BOND LOG

Baker Atlas

File No:	Company	WPX ENERGY
CH055547	Well	JOLLEY KP 423-8
API No:	Field	KOKOPELLI
05045209960000	County	GARFIELD
	State	COLORADO
8 GS 91W KP 24-8 PAD NABORS 574	Location	Other Services
	SHL: 197' FSL 2312' FWL SECTION 8 BHL: 1830' FSL 1986' FWL SECTION 8	RPM
	SEC 8 TWP 6S RGE 91W	
Permanent Datum	G.L.	Elevation
Log Measured From	K.B.	26 ft
Drill Measured From	KELLY BUSHING	Above P. D.
		Elevations
		KB 6552 ft
		DF
		GL 6526 ft

Date	27 APR 2012
Run	ONE
Service Order	574908
Depth Driller	7525 ft
Depth Logger	7493 ft
Bottom Logged Interval	7483 ft
Top Logged Interval	26 ft
Time Started	800
Time Finished	1130
Operator Rig Time	3.5 HOURS
Type of Fluid in Hole	WATER
Fluid Density	NA
Salinity	NA
Fluid Level	FULL
Logged Cement Top	NA
Wellhead Pressure	0 psi
Maximum Hole Deviation	NA
Nominal Logging Speed	45 fpm
Maximum Recorded Temperature	185 degF
Reference Log	NA
Reference Log Date	NA
Equipment No.	4271
Location	GRAND JUNCTION
Recorded By	JACOB STALEY
Witnessed By	MR. JEFF BRADY

- 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	1313 ft
7.875 In	0 ft	7525 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In			0 ft	1313 ft
4.5 In			0 ft	7525 ft

Remarks
ALL DATA WAS DEPTH SHIFTED TO PUT THE TOP CCL MARK ON DEPTH WITH GROUND LEVEL WITH A SHIFT OF +11 FT
LOGGED WITH 0 PSI AT WELLHEAD
BHT = 185 DEG F
SJ = 3828'-3848'

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10154957	CENT
1	1	GR/CCL	2459XA	10404544	CENT

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	24.062	7509.000
RAL	Amp Gate Start Near	198.000	usec	24.062	7509.000
RAL	Amp Gate Start Radial	198.000	usec	24.062	7509.000
RAL	Amp Gate Width Far	25.000	usec	24.062	7509.000
RAL	Amp Gate Width Near	25.000	usec	24.062	7509.000
RAL	Amp Gate Width Radial	25.000	usec	24.062	7509.000
RAL	casing od	4.500	inches	24.062	7509.000
RAL	casing wt	11.600	lbm/ft	24.062	7509.000
RAL	FB Start Far	291.900	usec	24.062	7509.000
RAL	FB Start Near	180.000	usec	24.062	7509.000
RAL	FB Start Radial	180.000	usec	24.062	7509.000
RAL	FB Thresh Far	10.000	mv	24.062	7509.000
RAL	FB Thresh Near	4.000	mv	24.062	7509.000
RAL	FB Thresh Radial	4.000	mv	24.062	7509.000
RAL	Fluid Travel Time	200.000	usec/ft	24.062	7508.937

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-12.360	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2

1426XA -11.360  
1426XA -7.250  
1426XA -5.390  
1426XA 0.000

FPR3	FPR5	TT3	TTR1	TTR2	TTR3
TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
AFAR	SIG	TT5			
CCL					
GR					
NEU					

Created by : MIXED

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

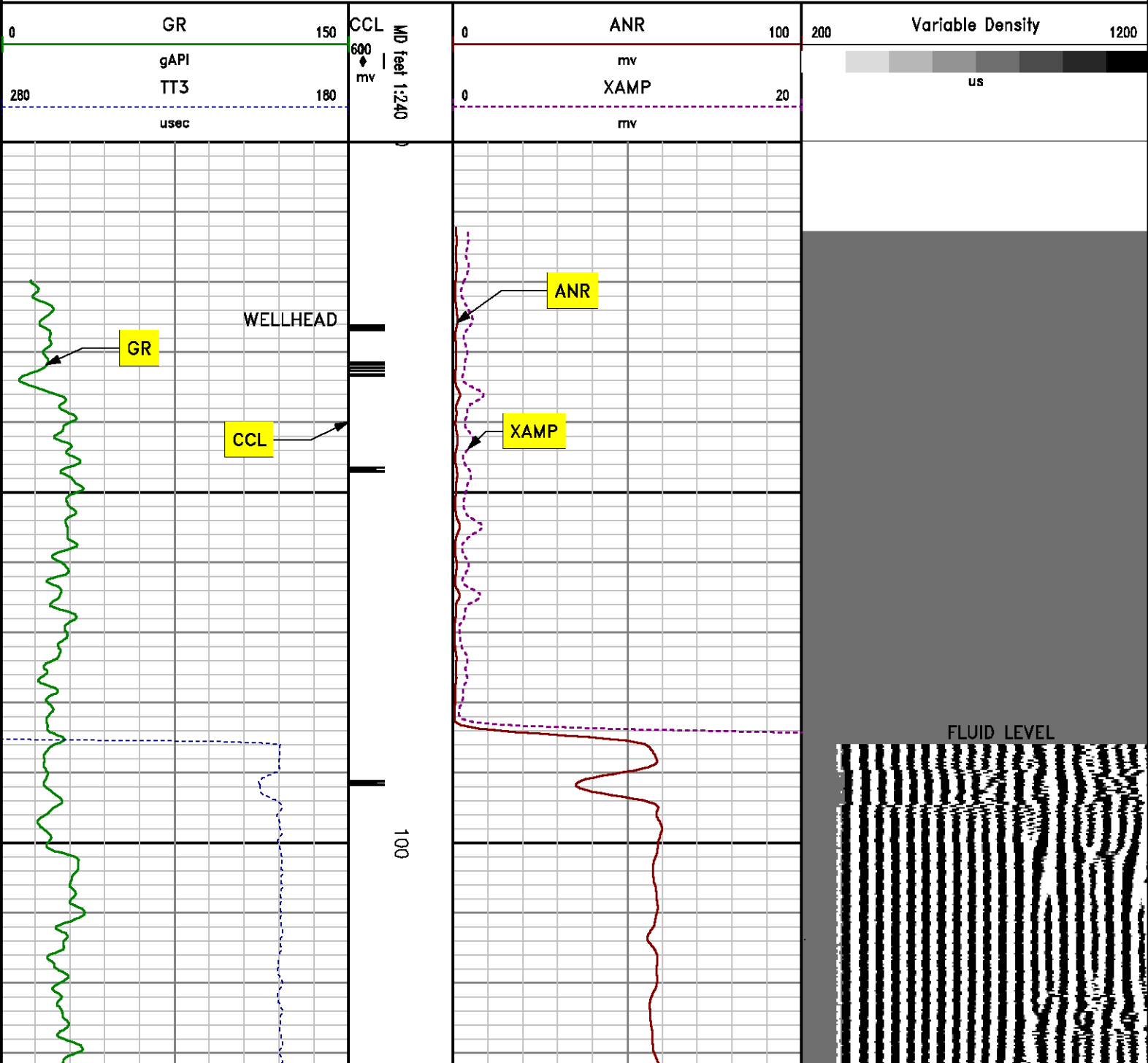
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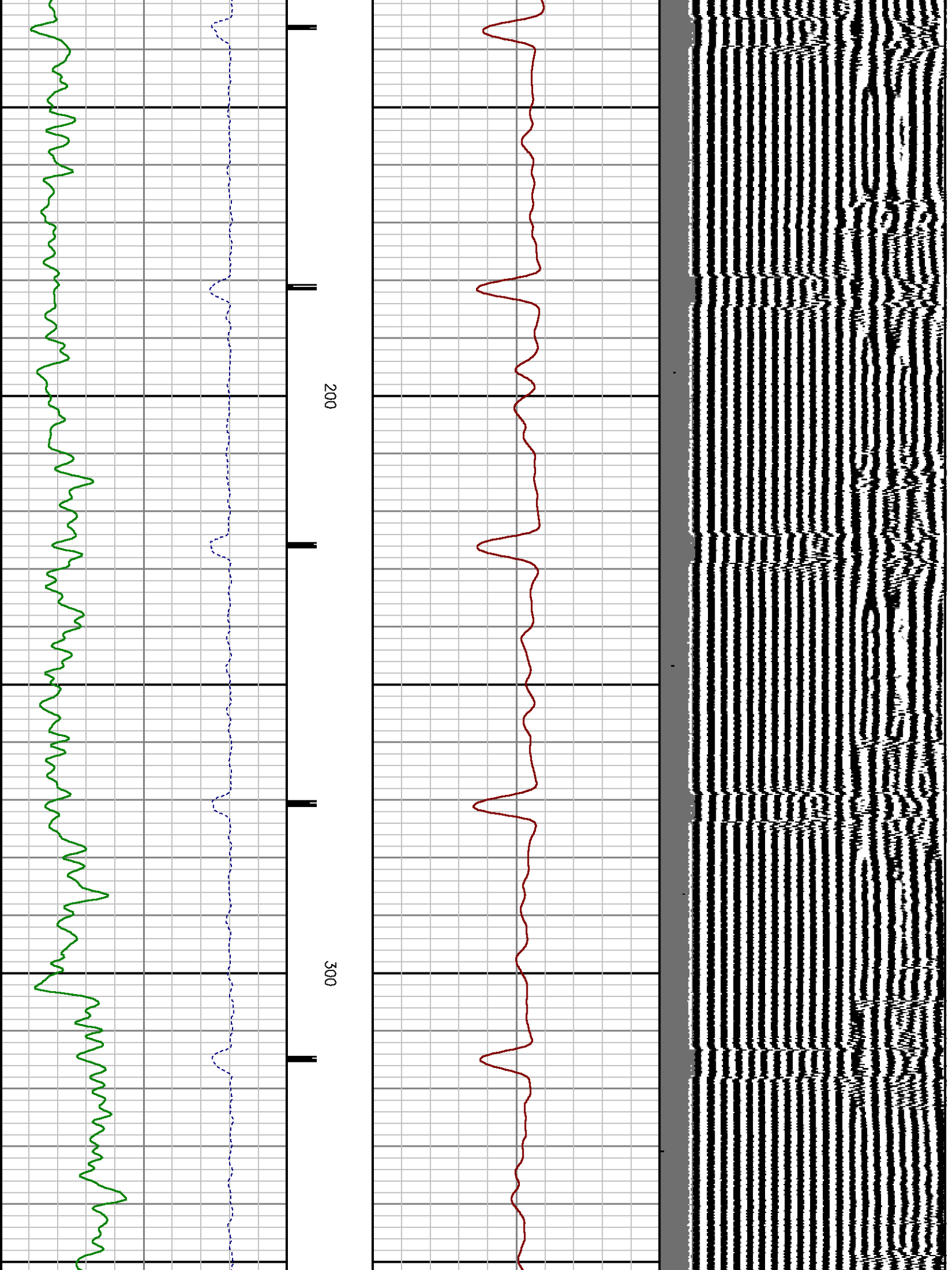
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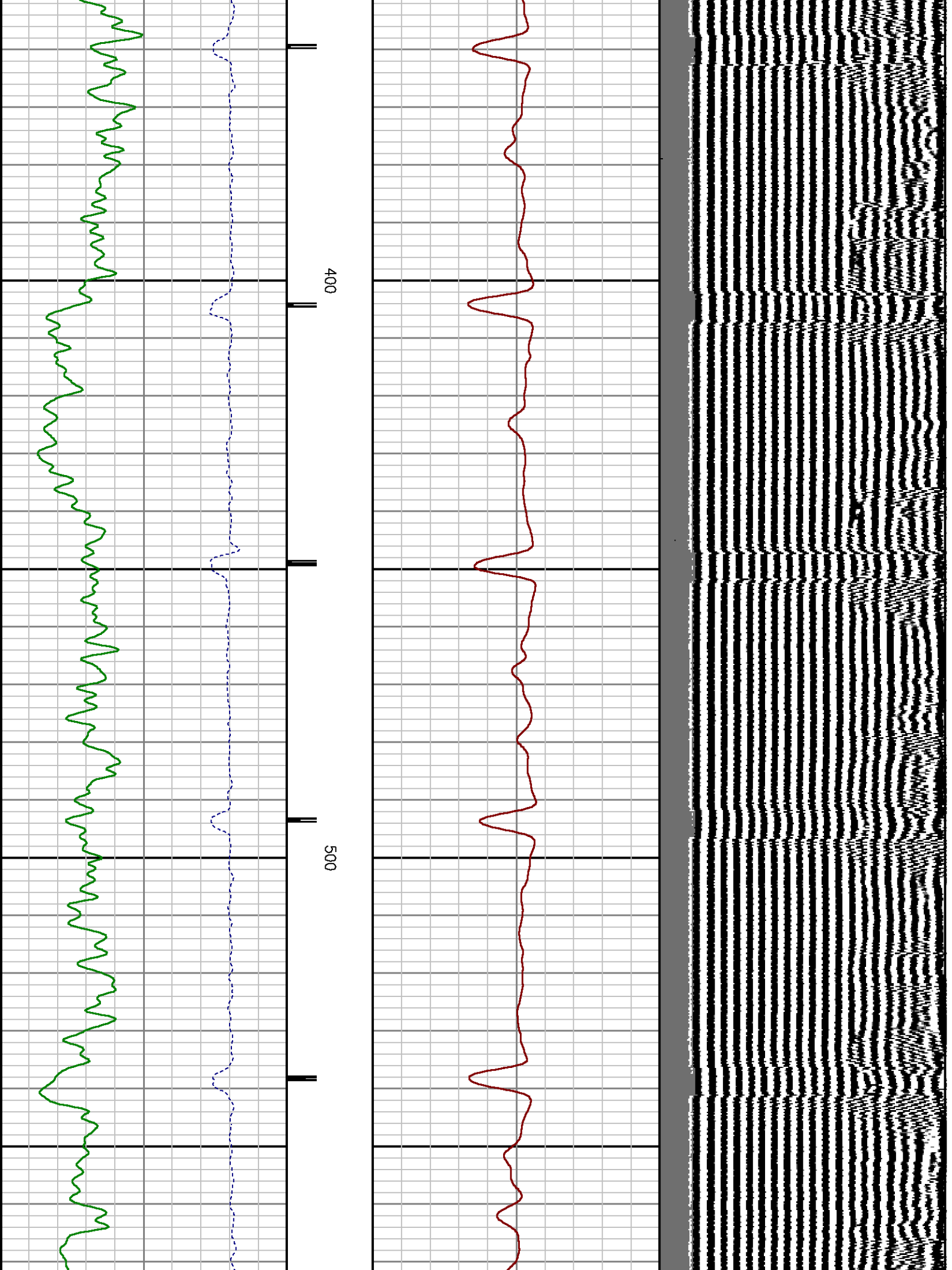
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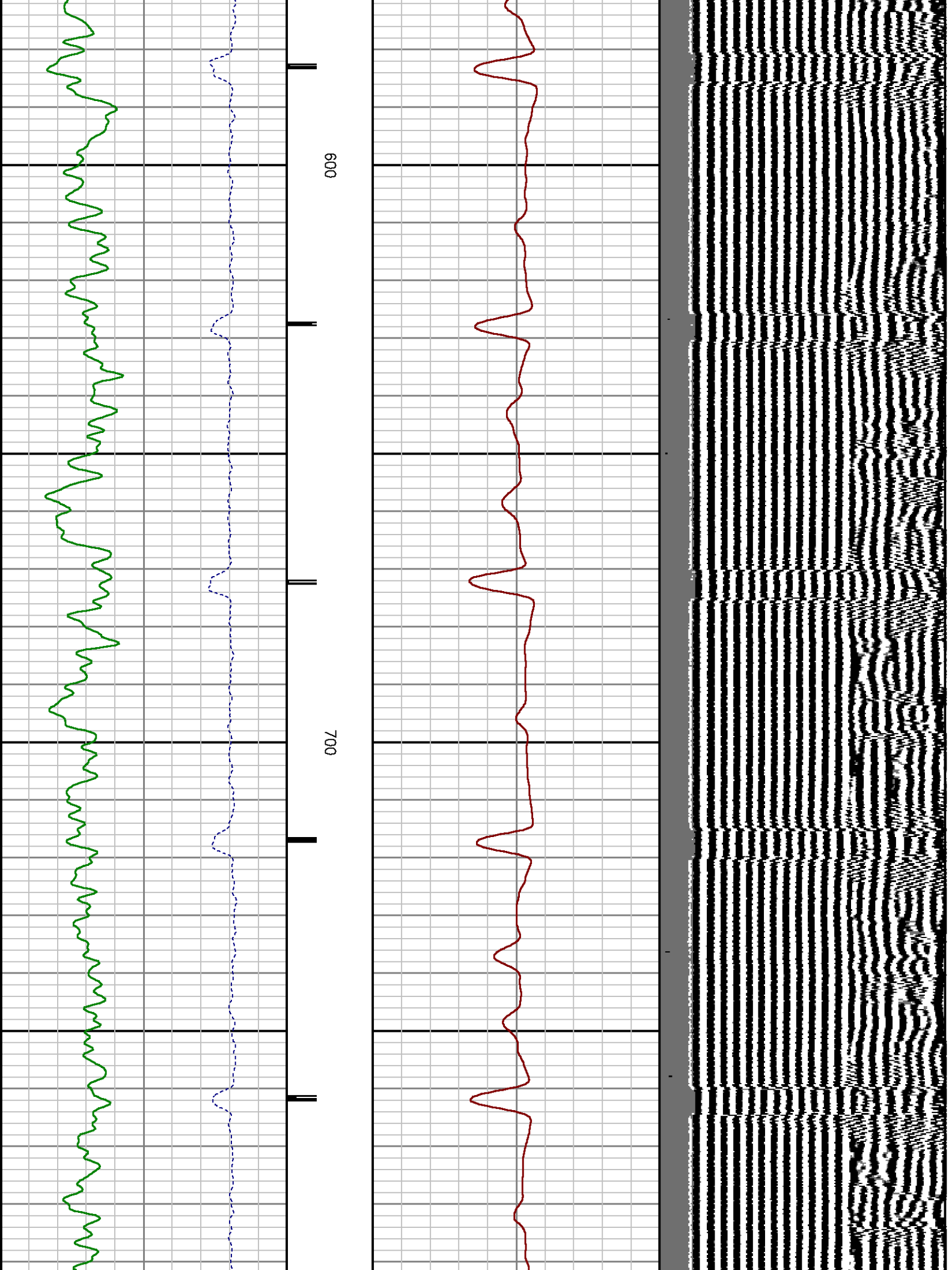
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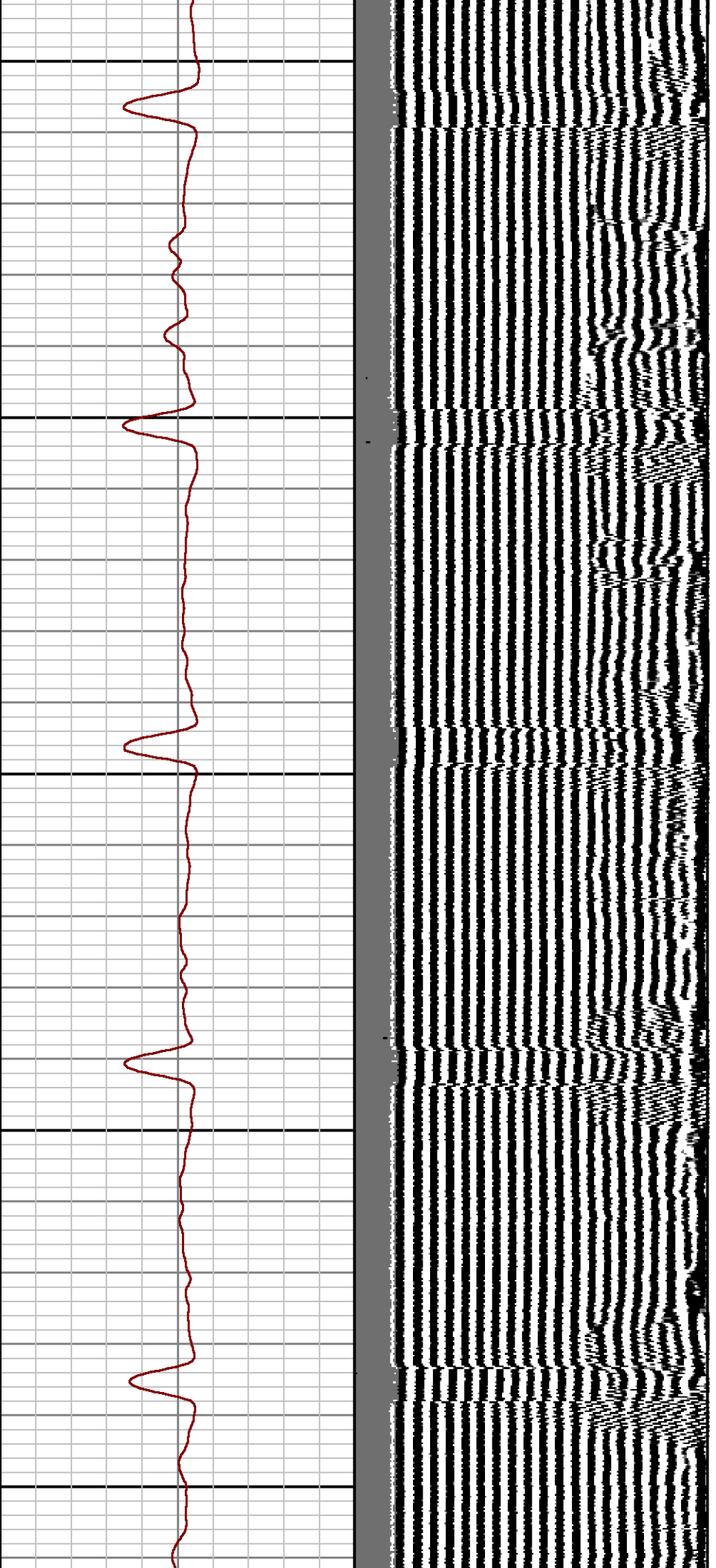
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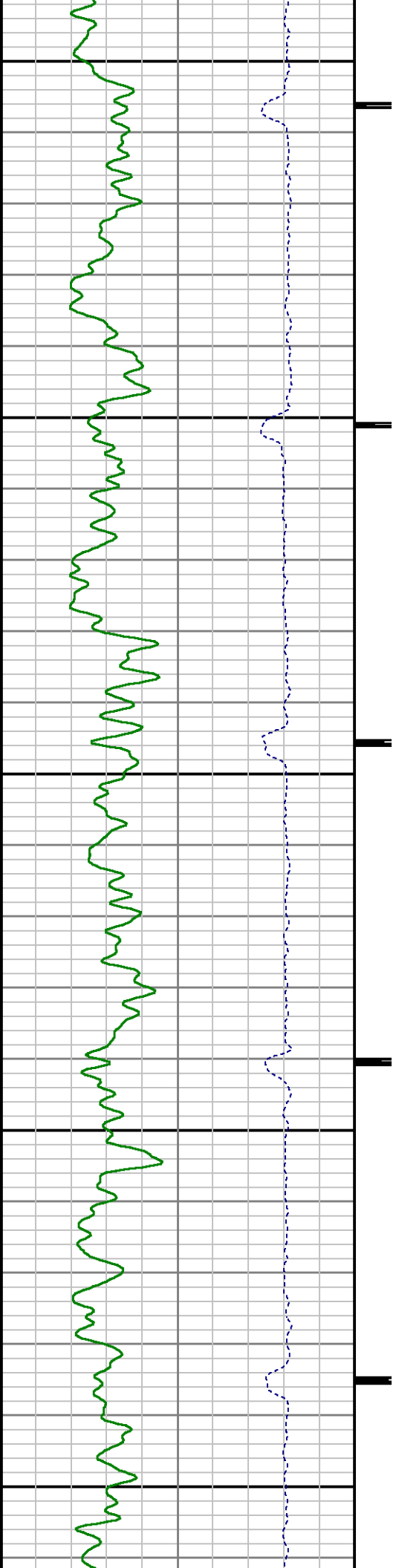


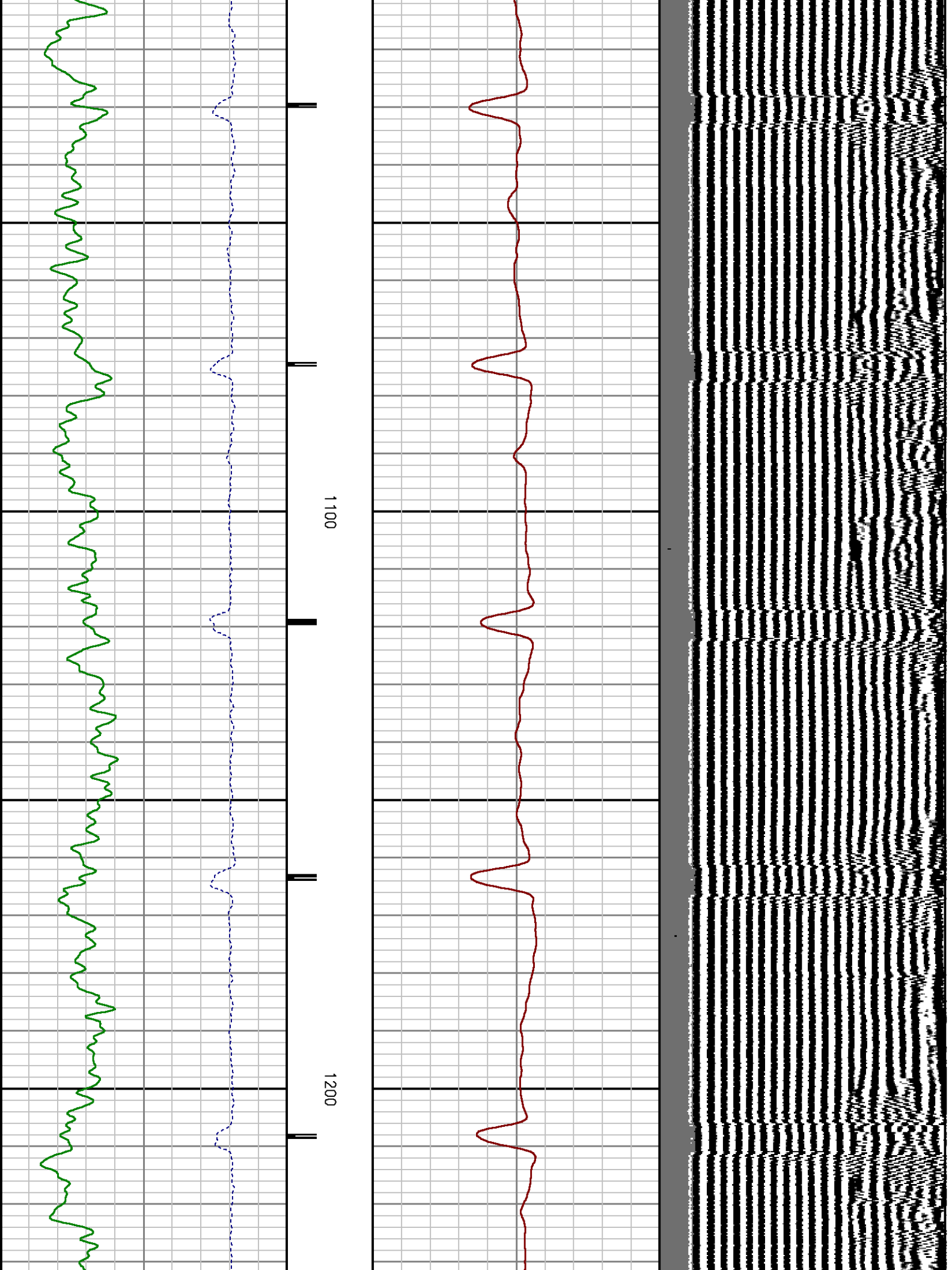


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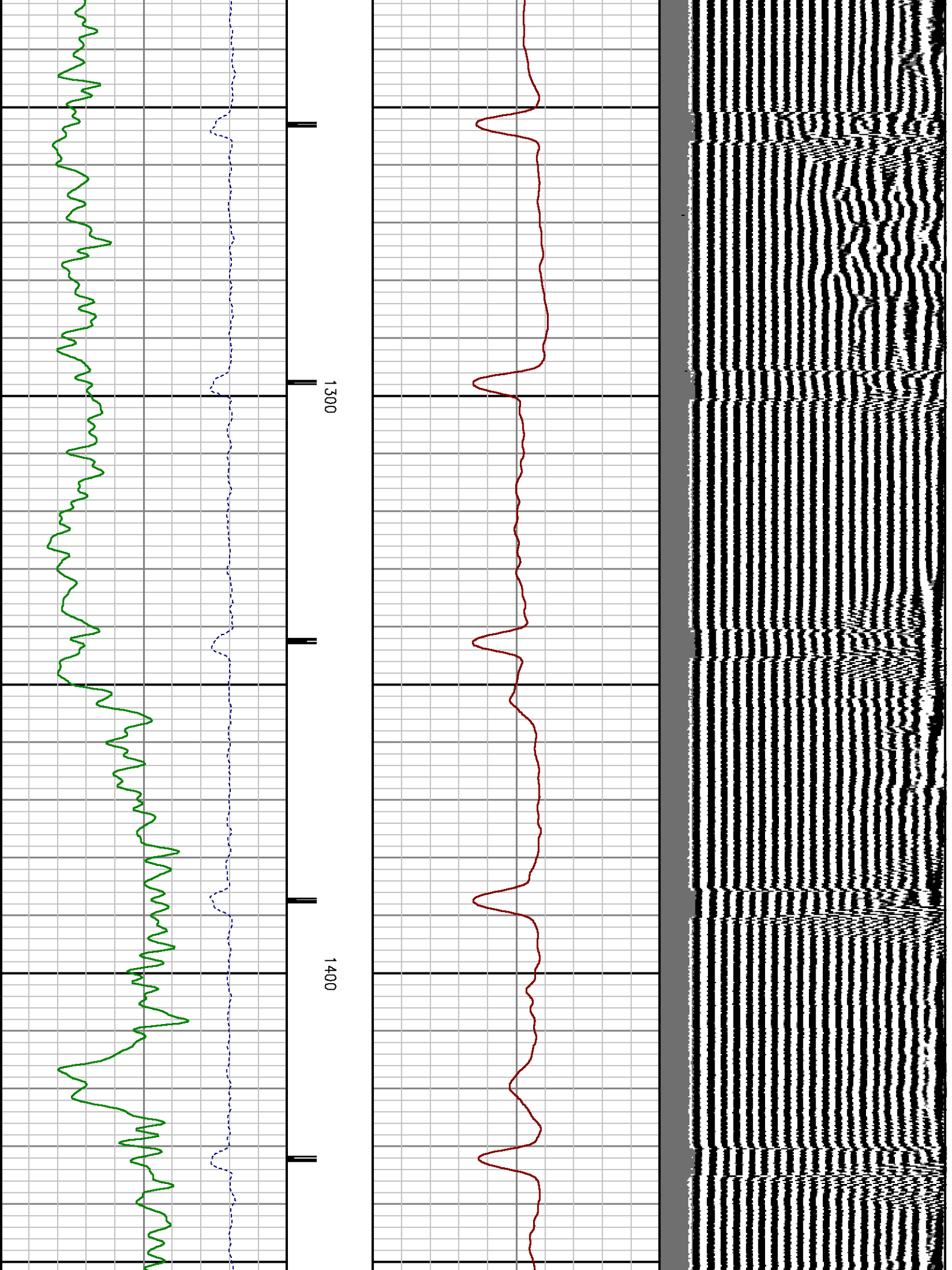
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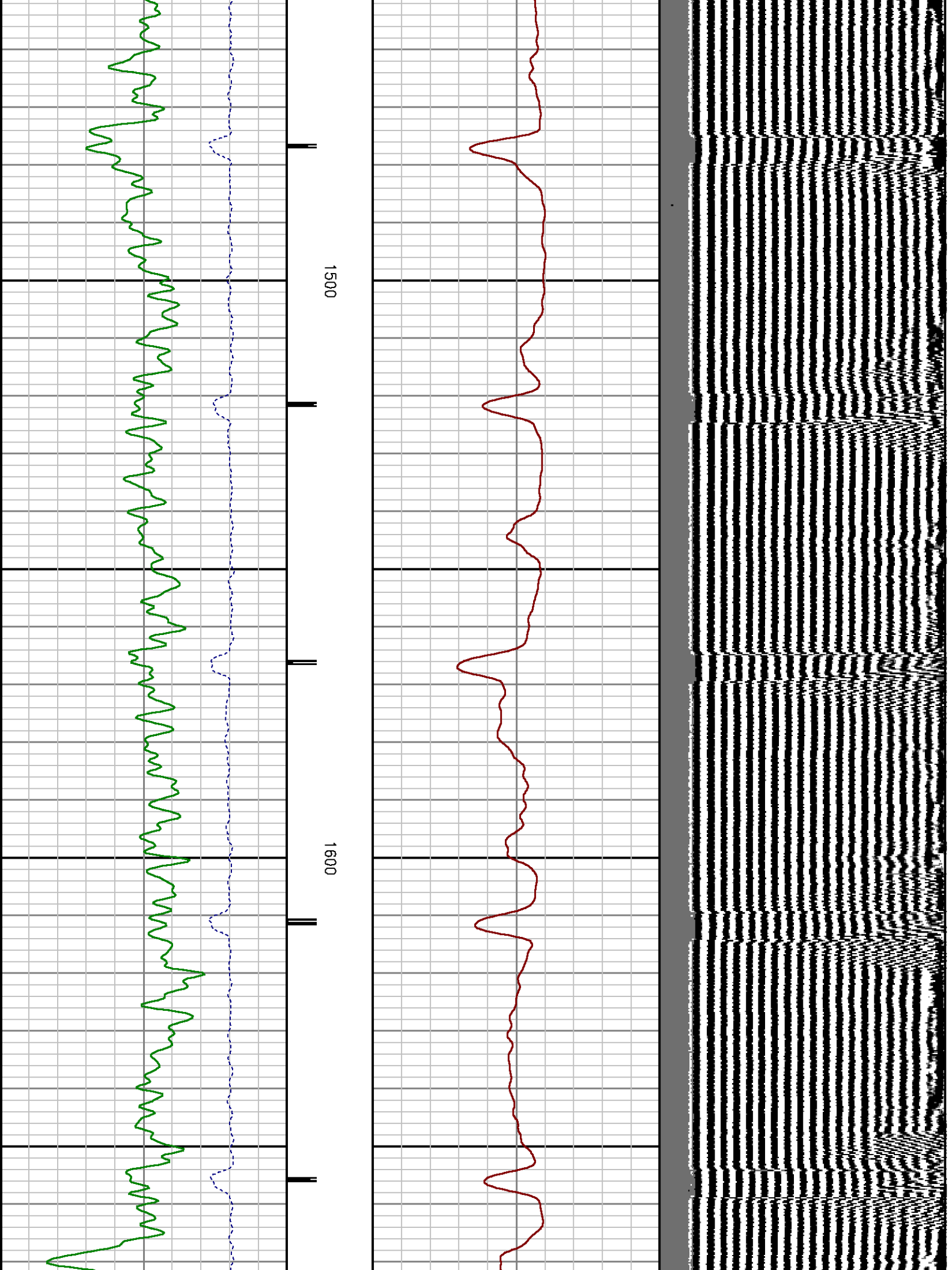
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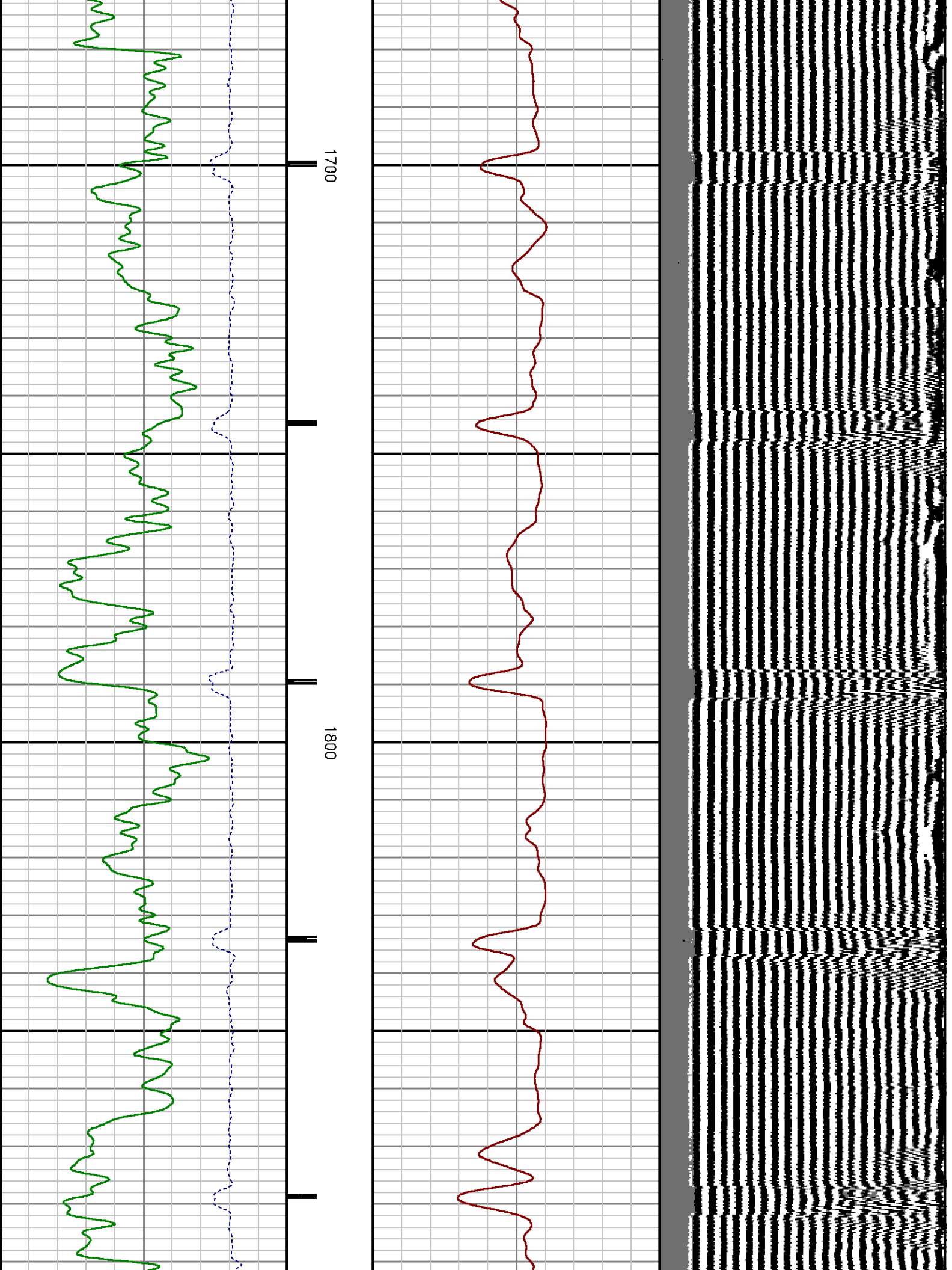


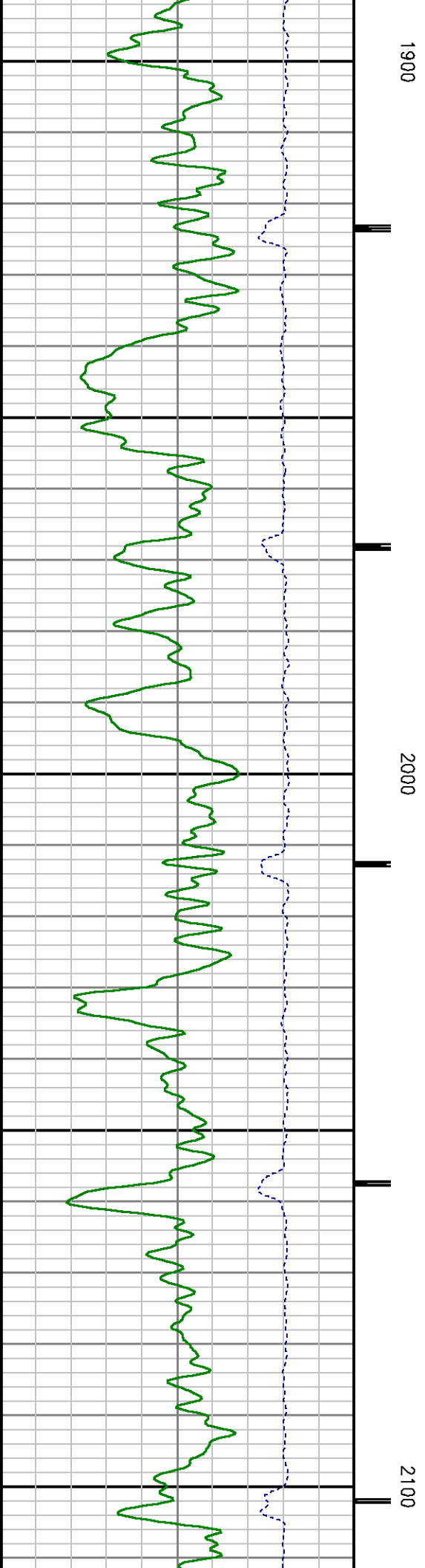
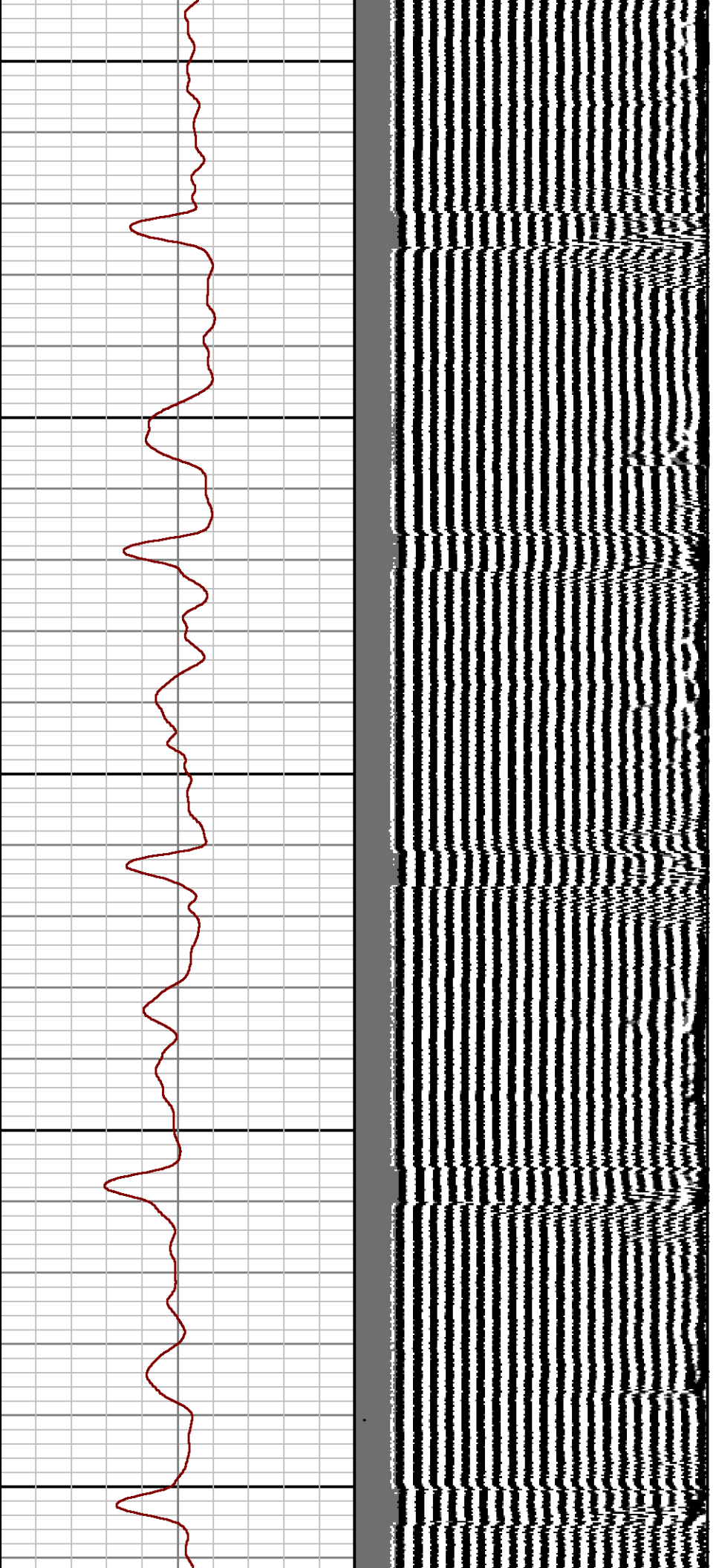


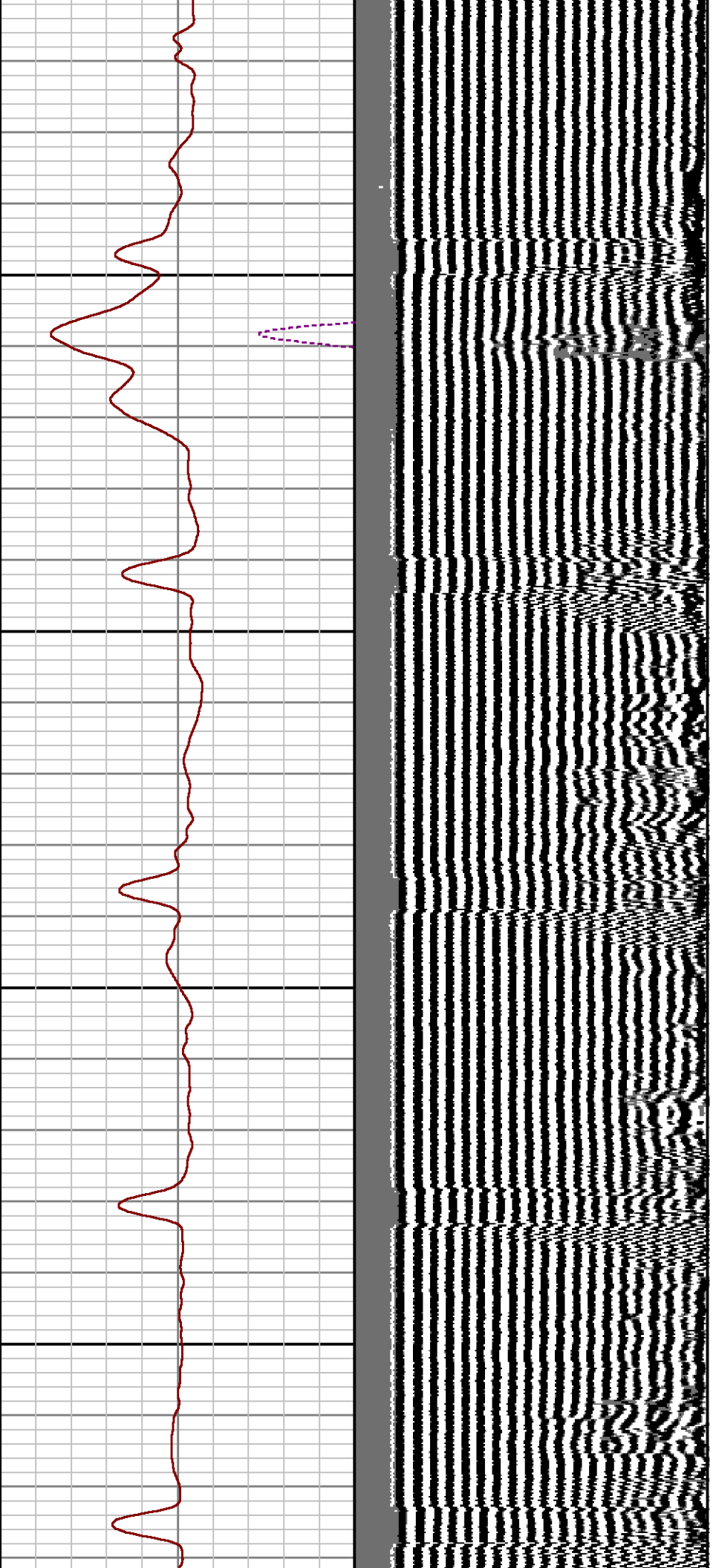






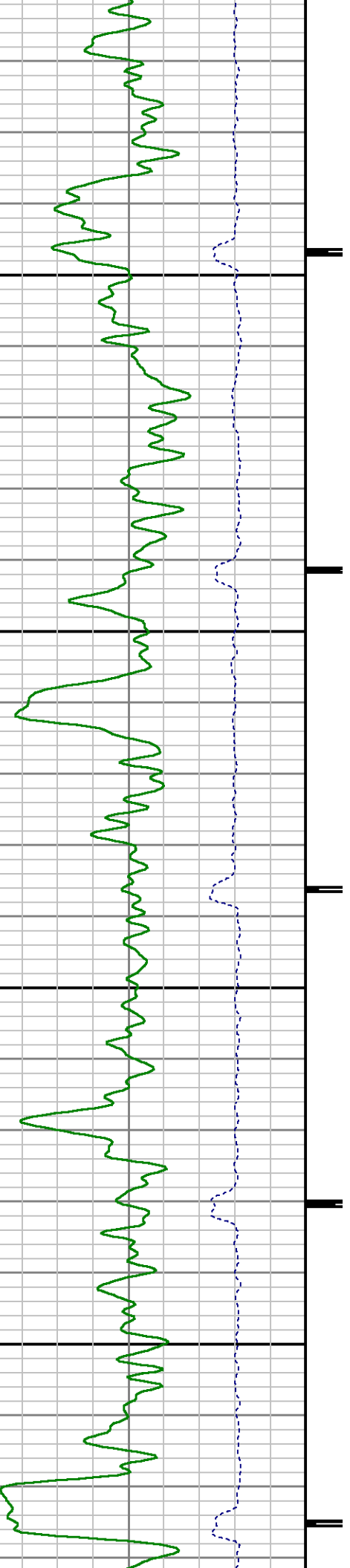


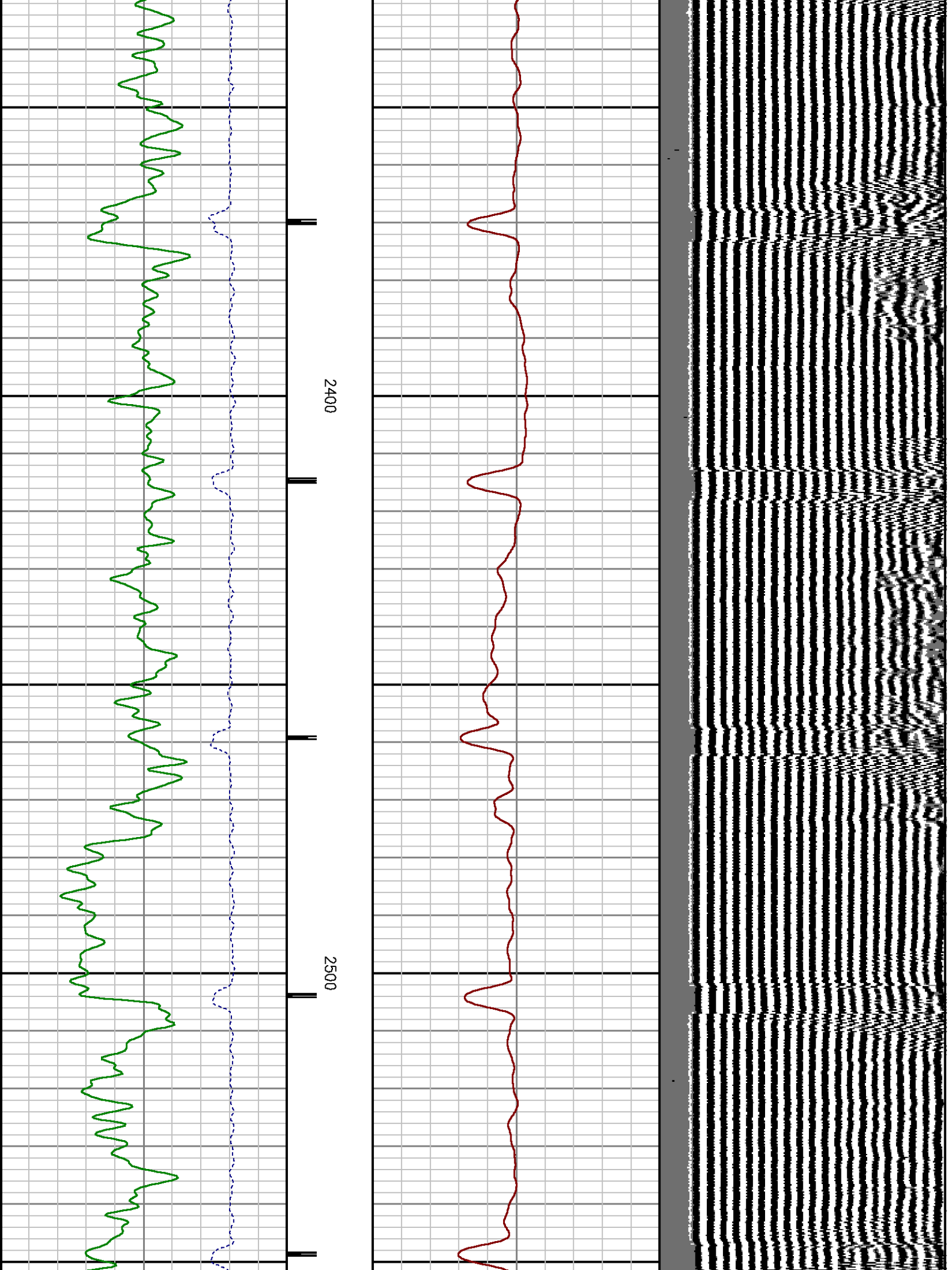




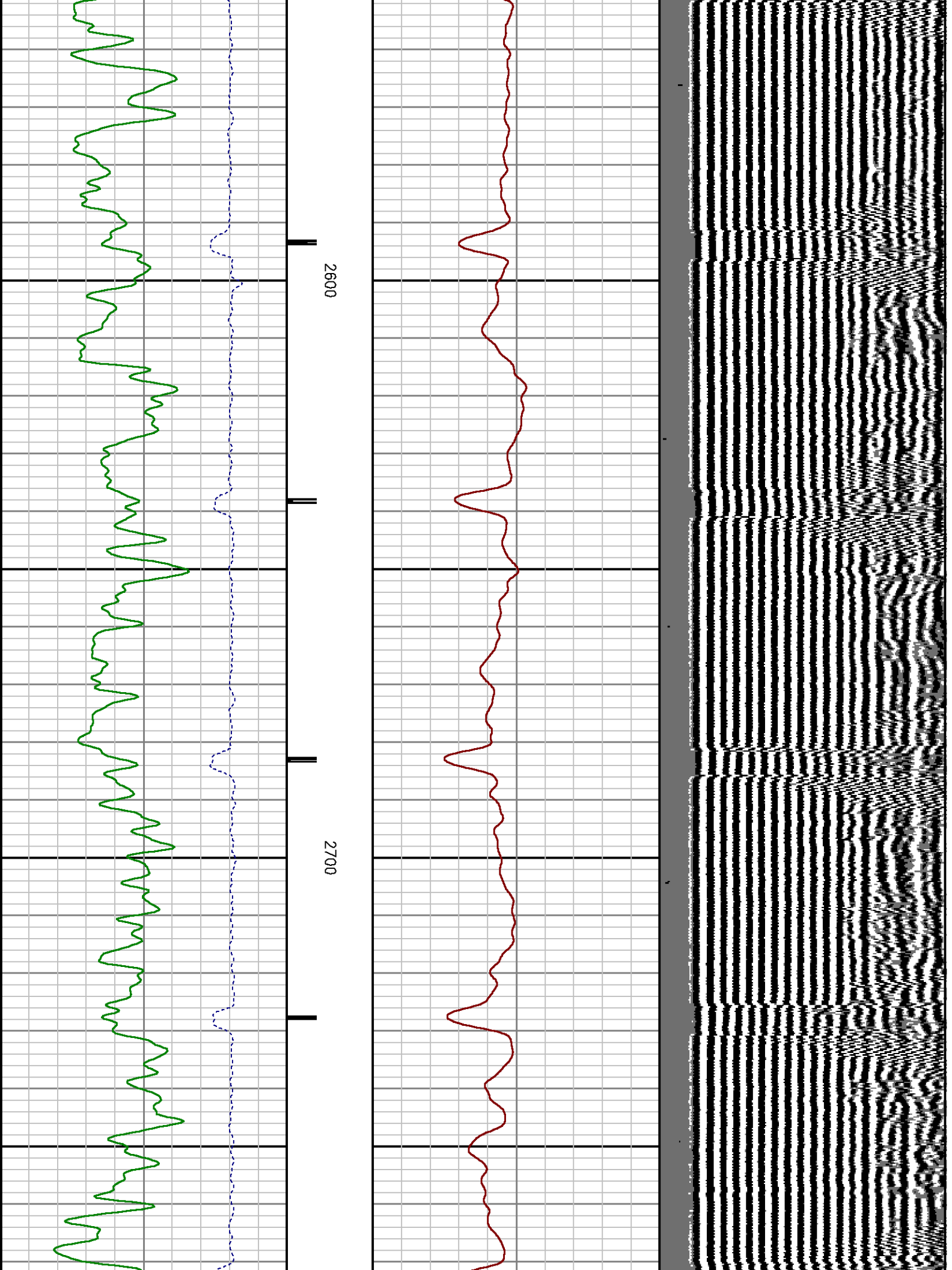
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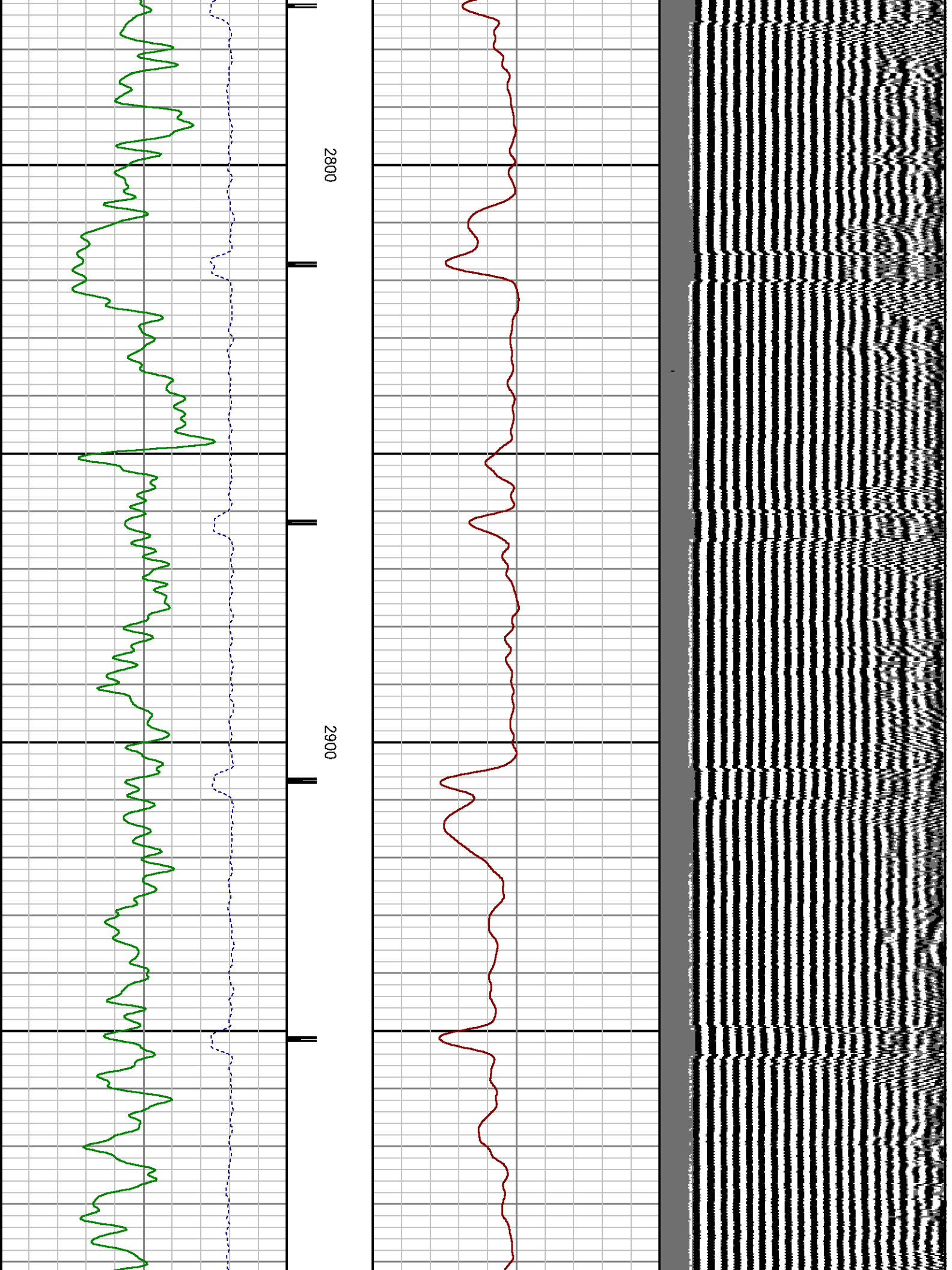
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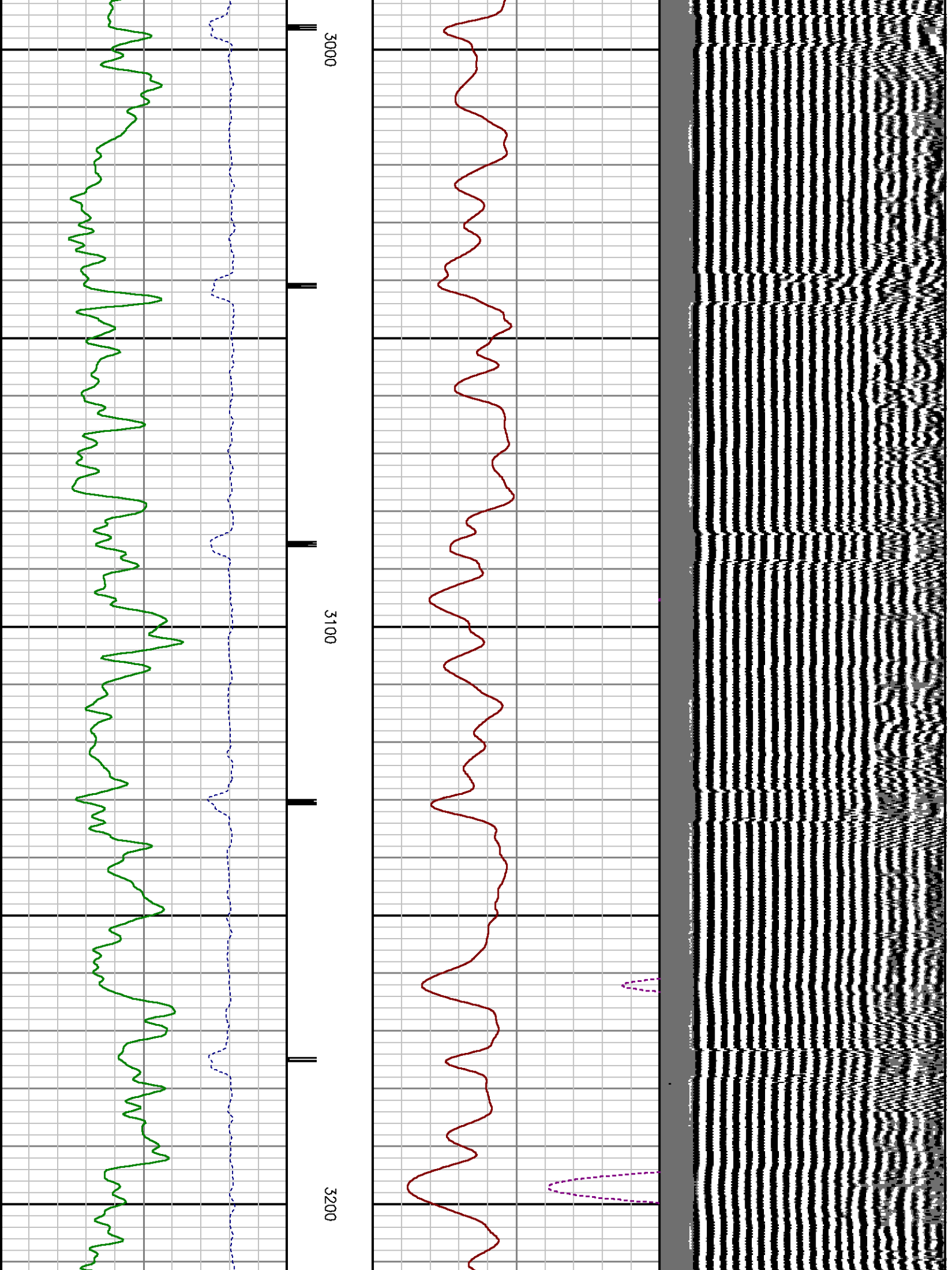


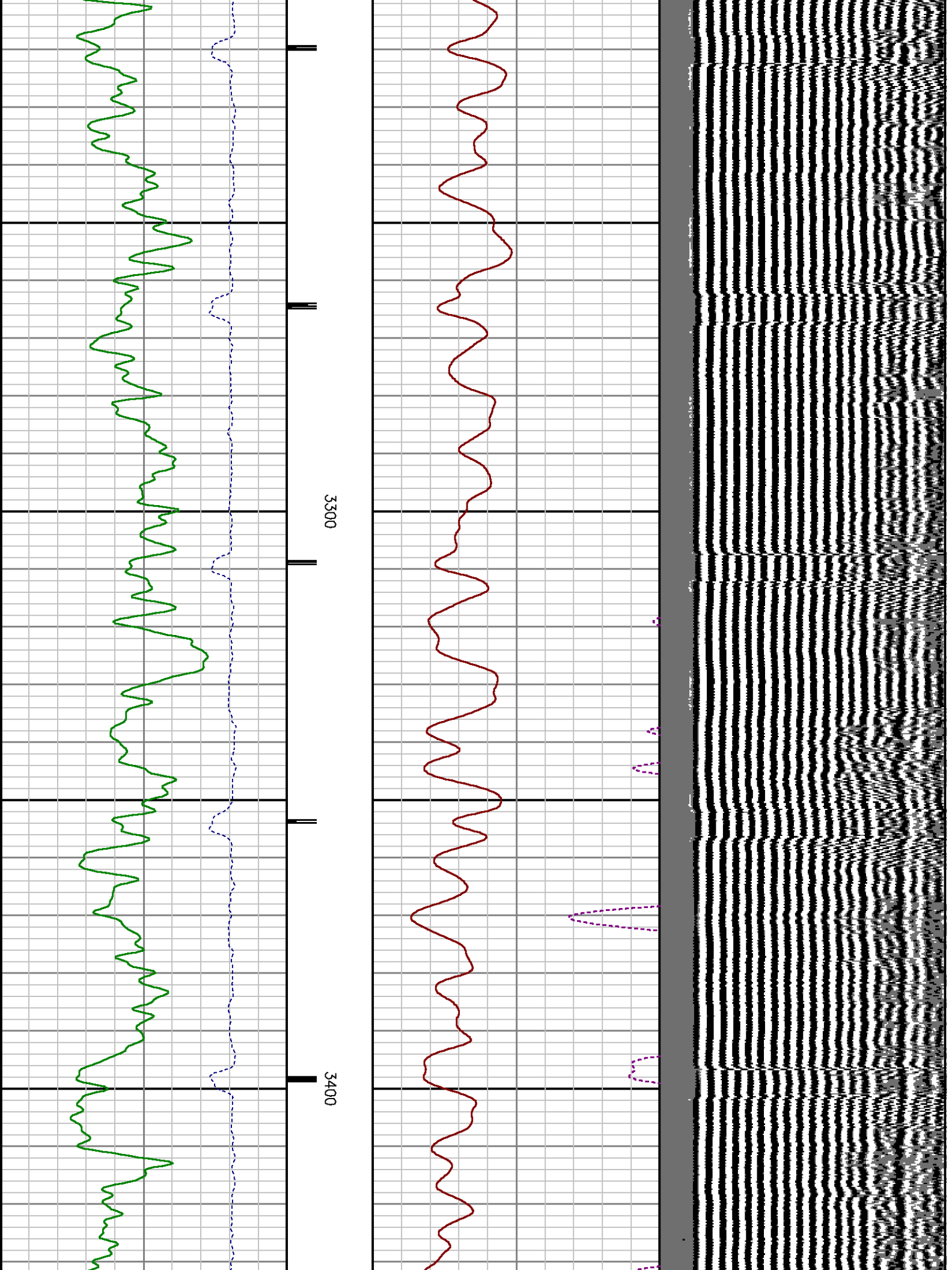


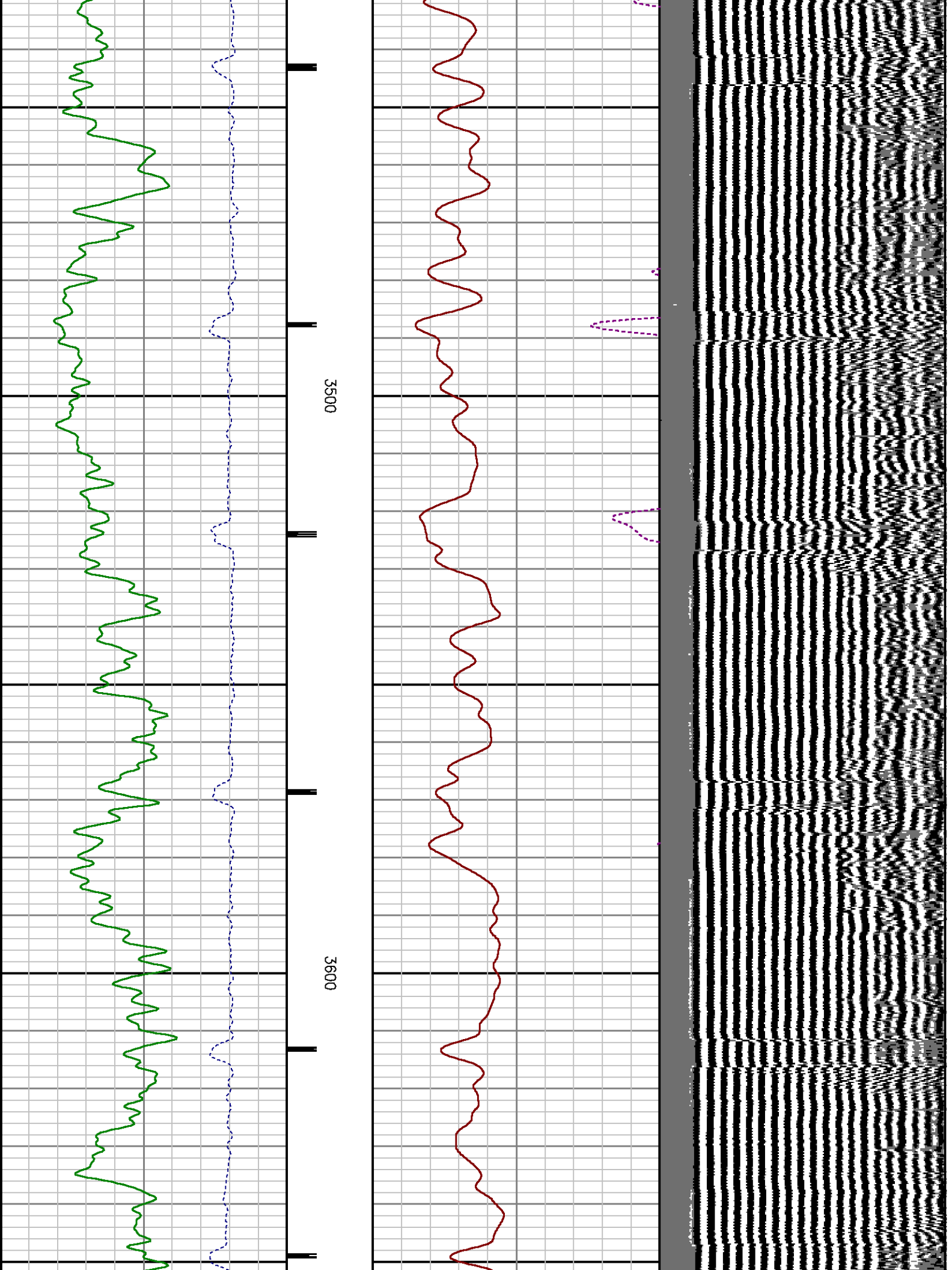


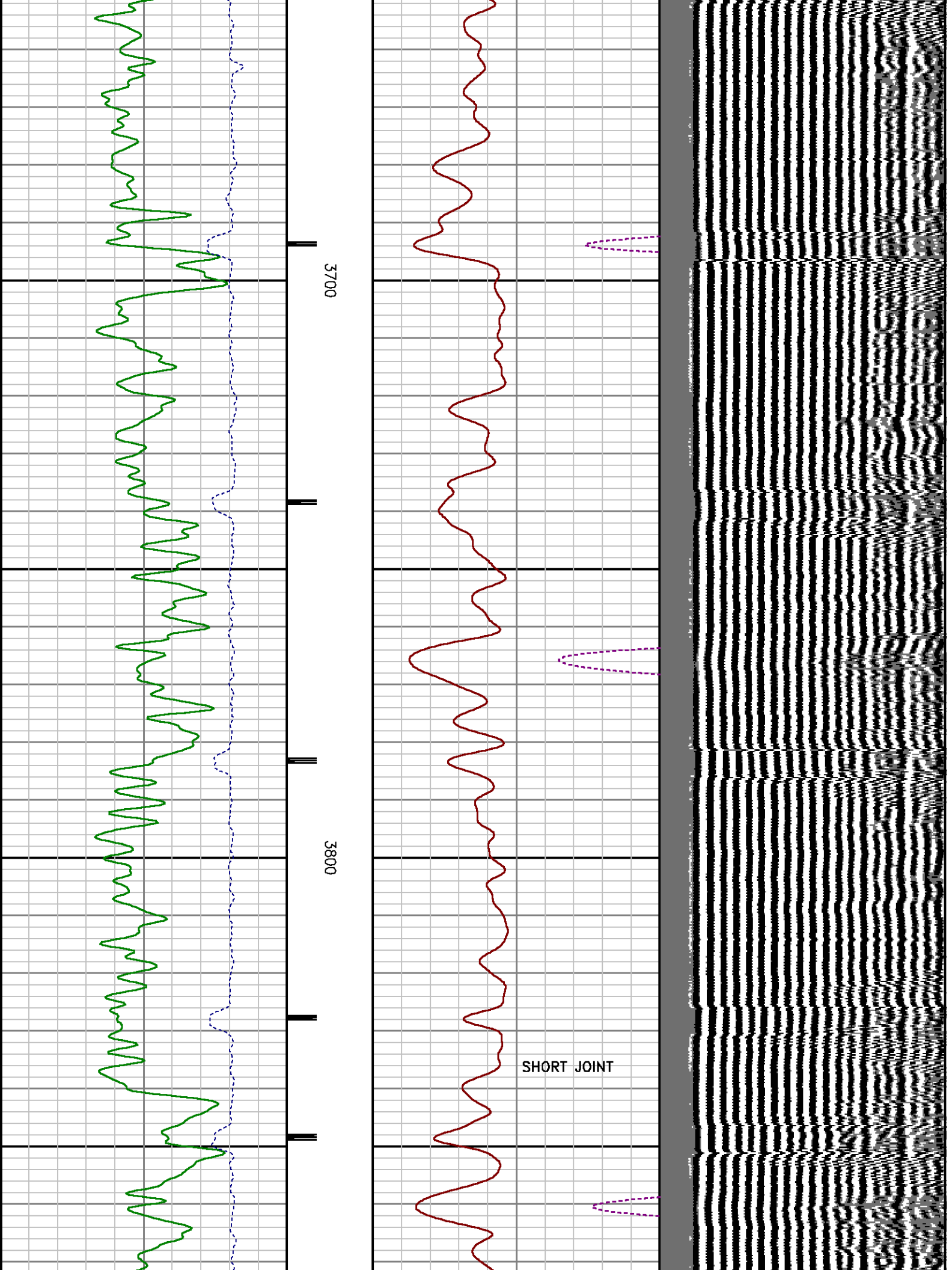


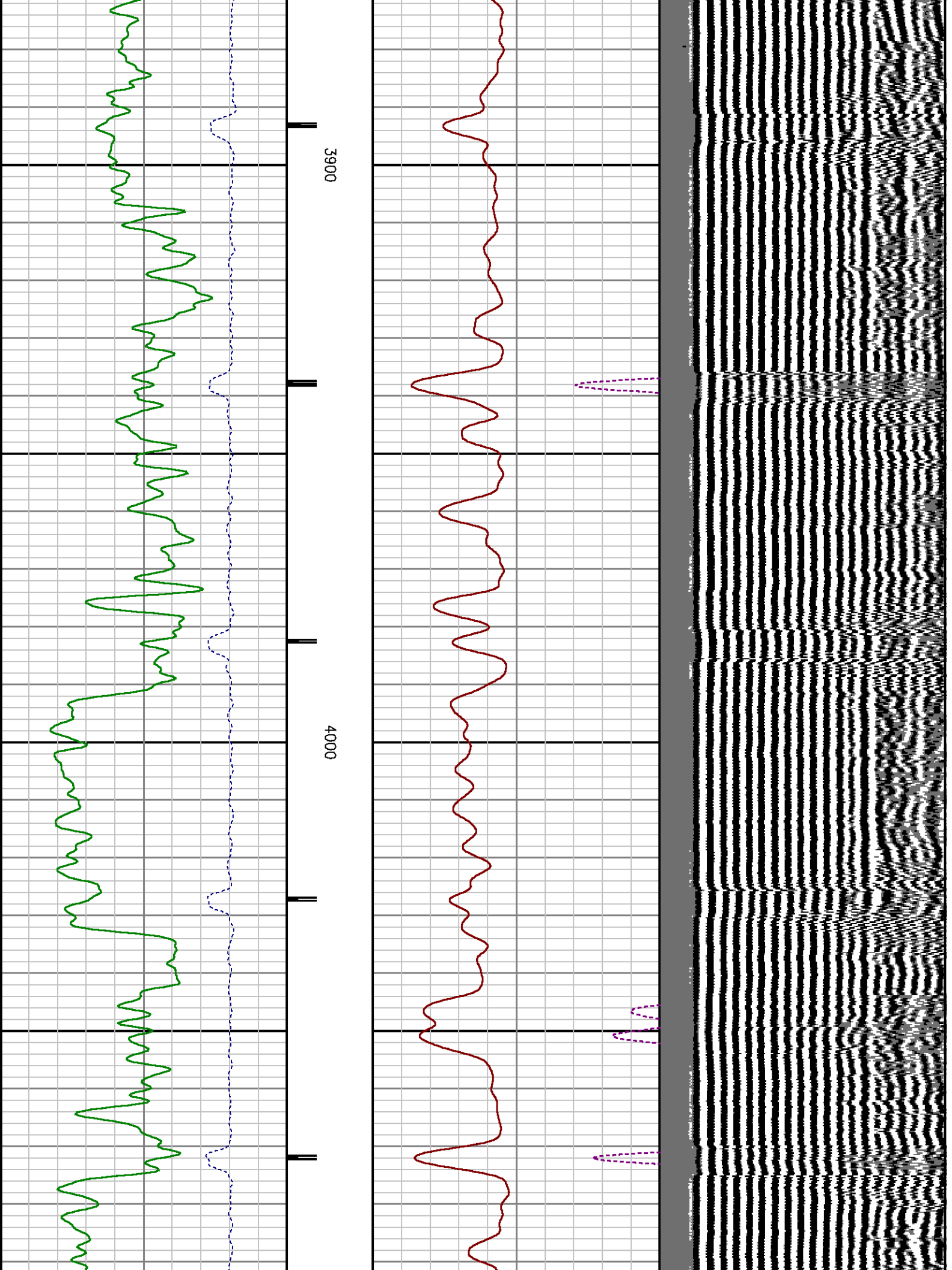




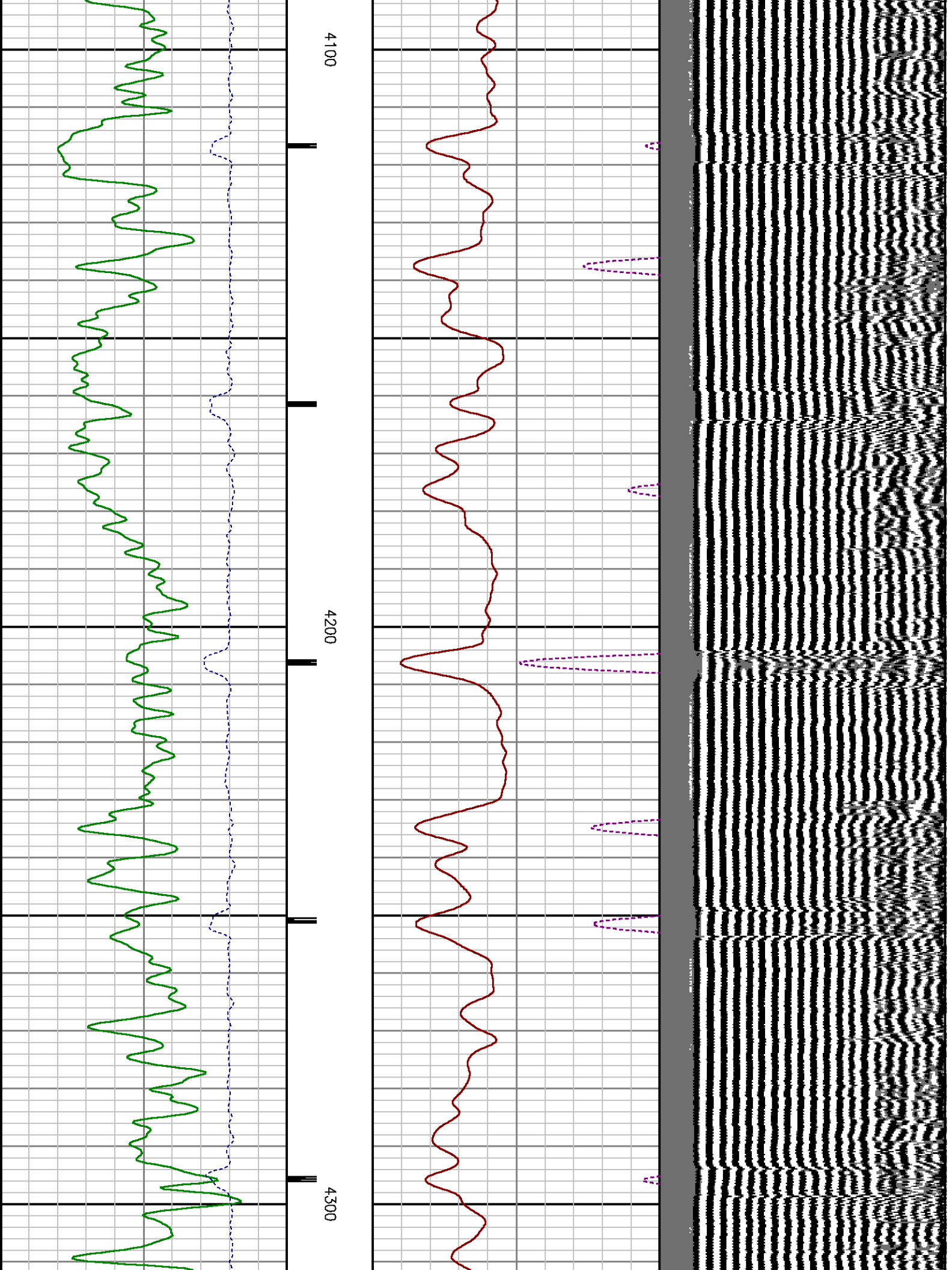


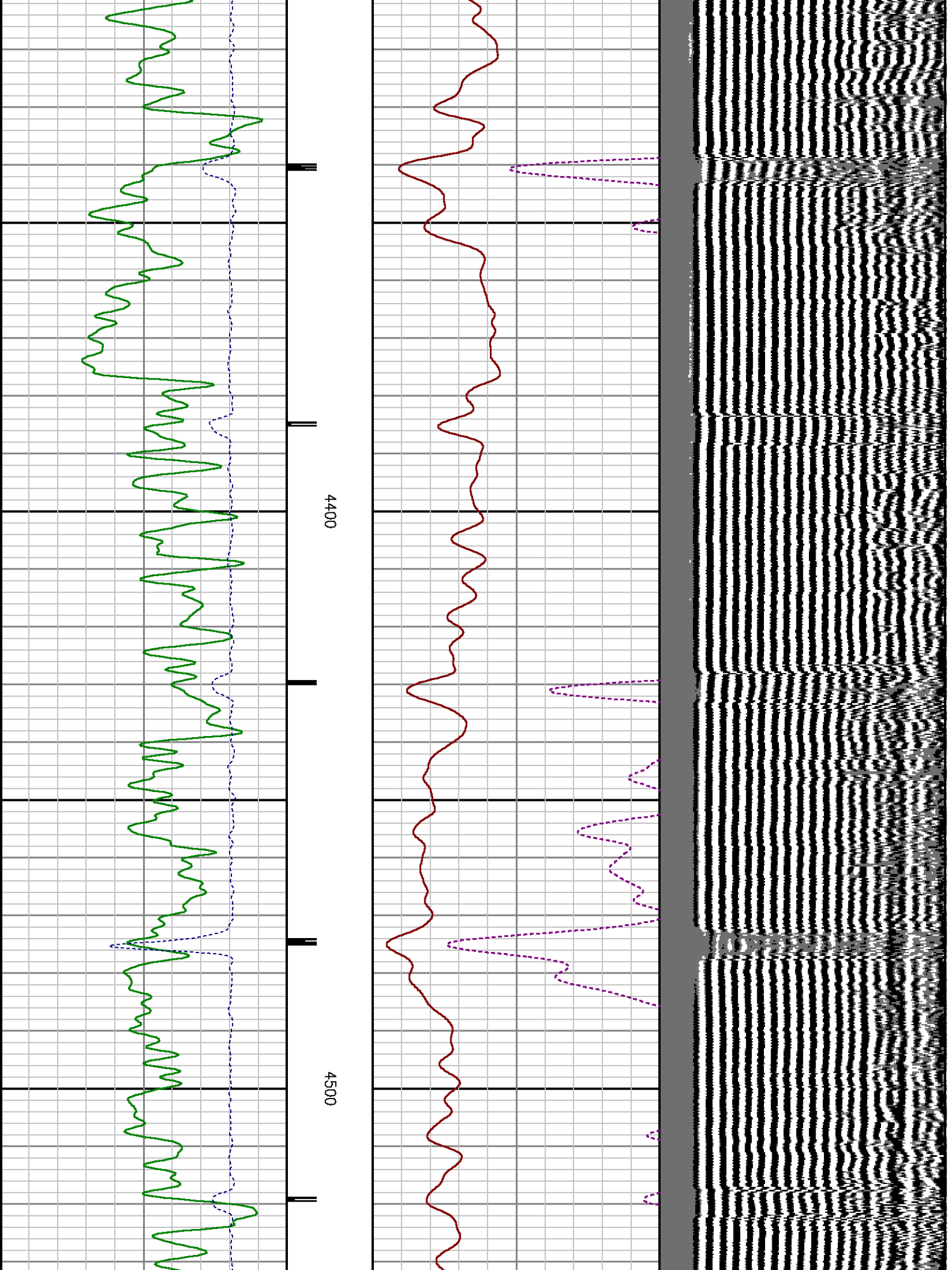


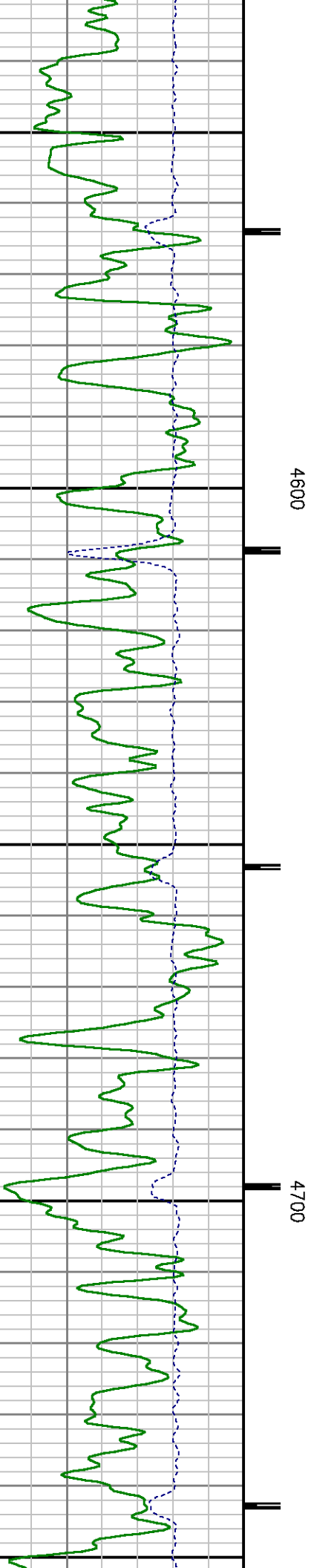
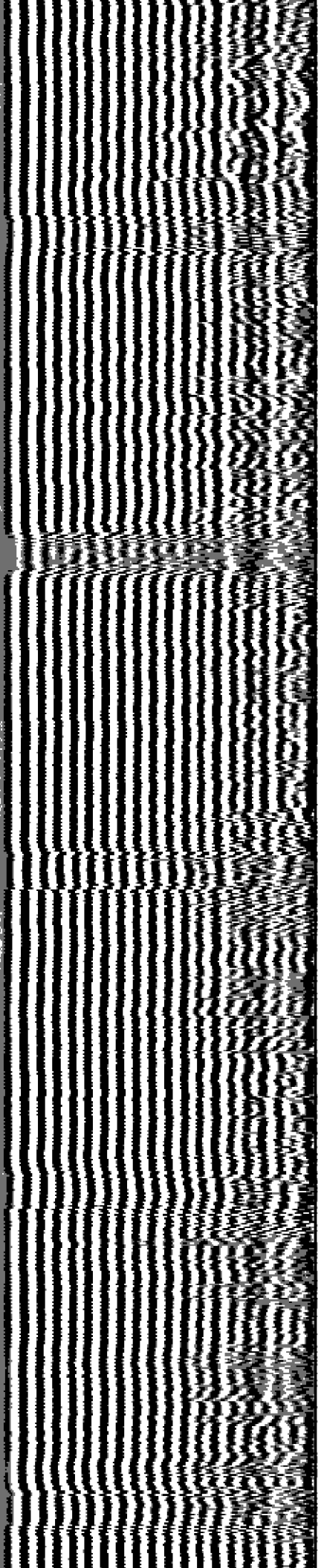




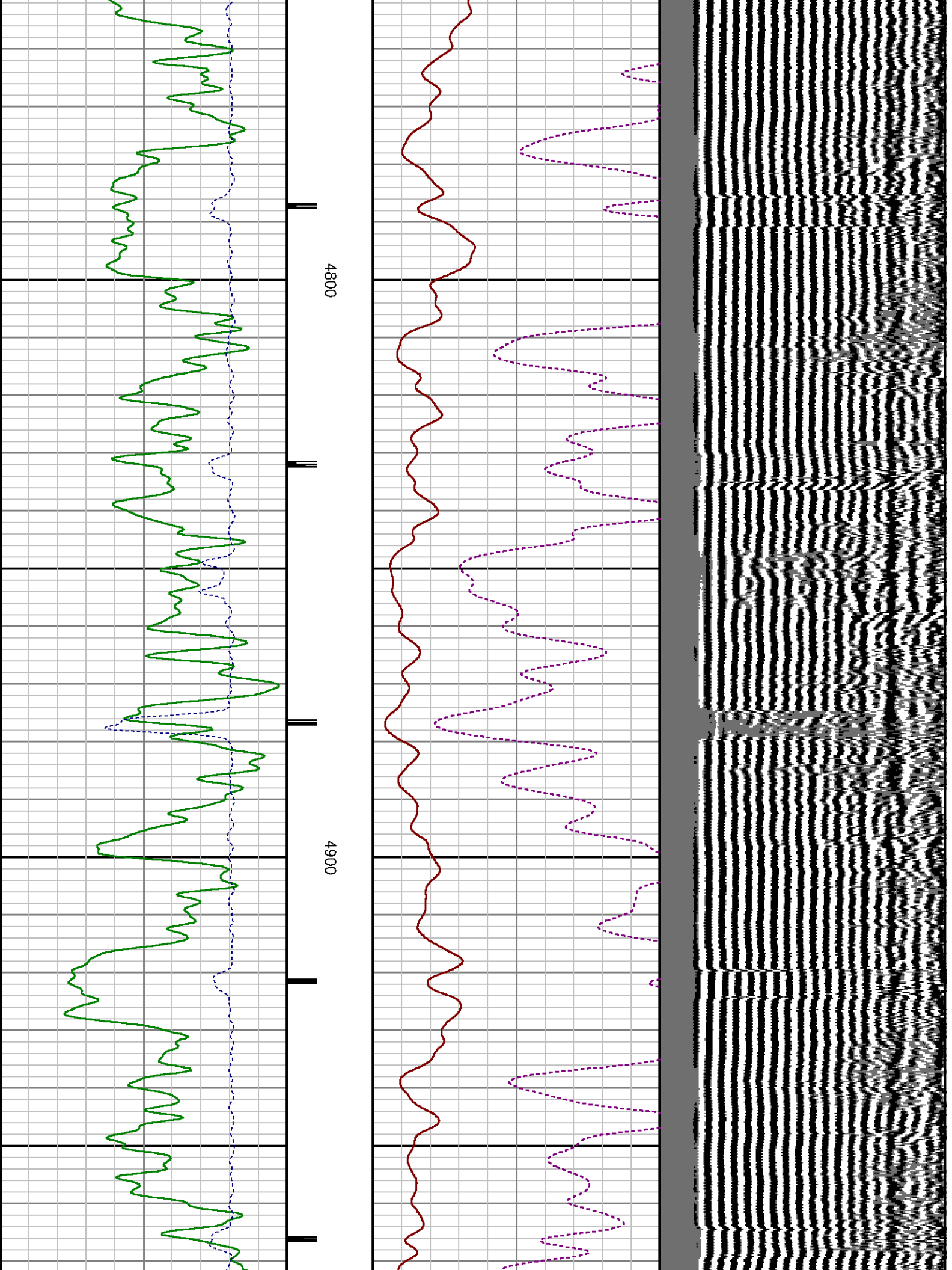


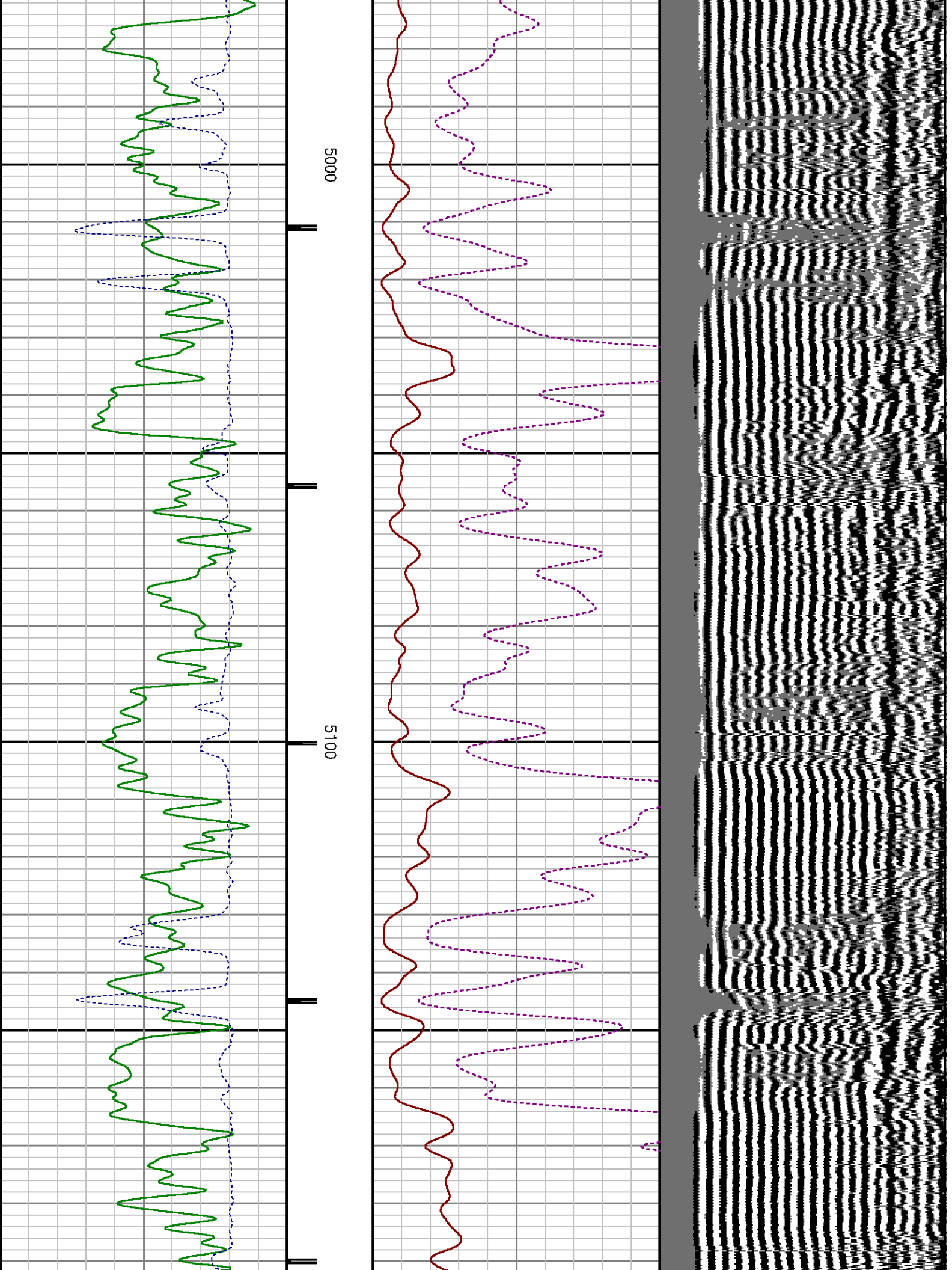


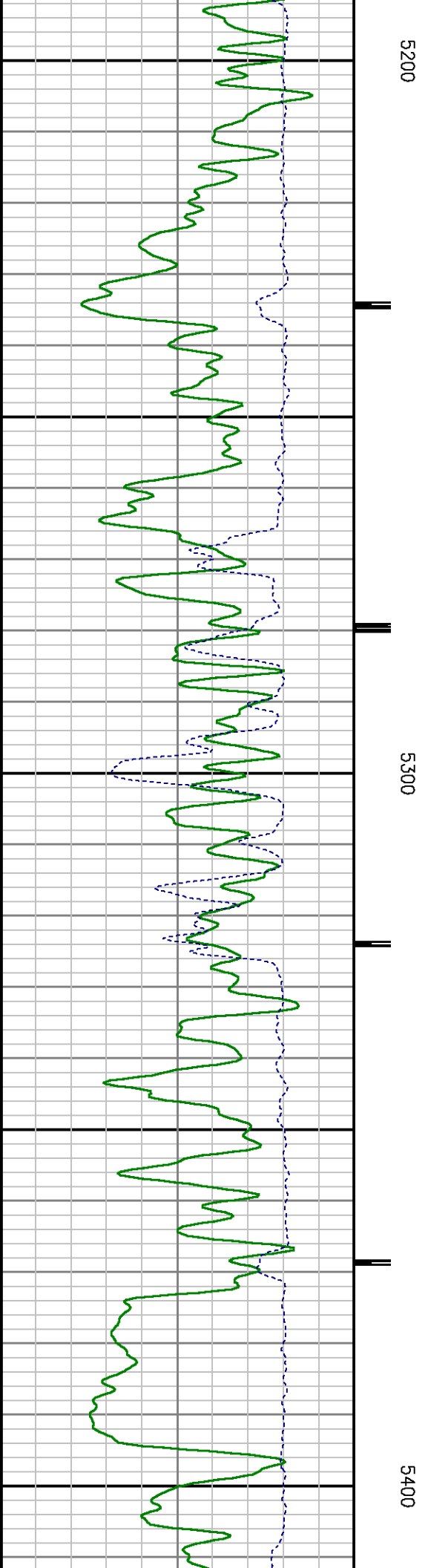
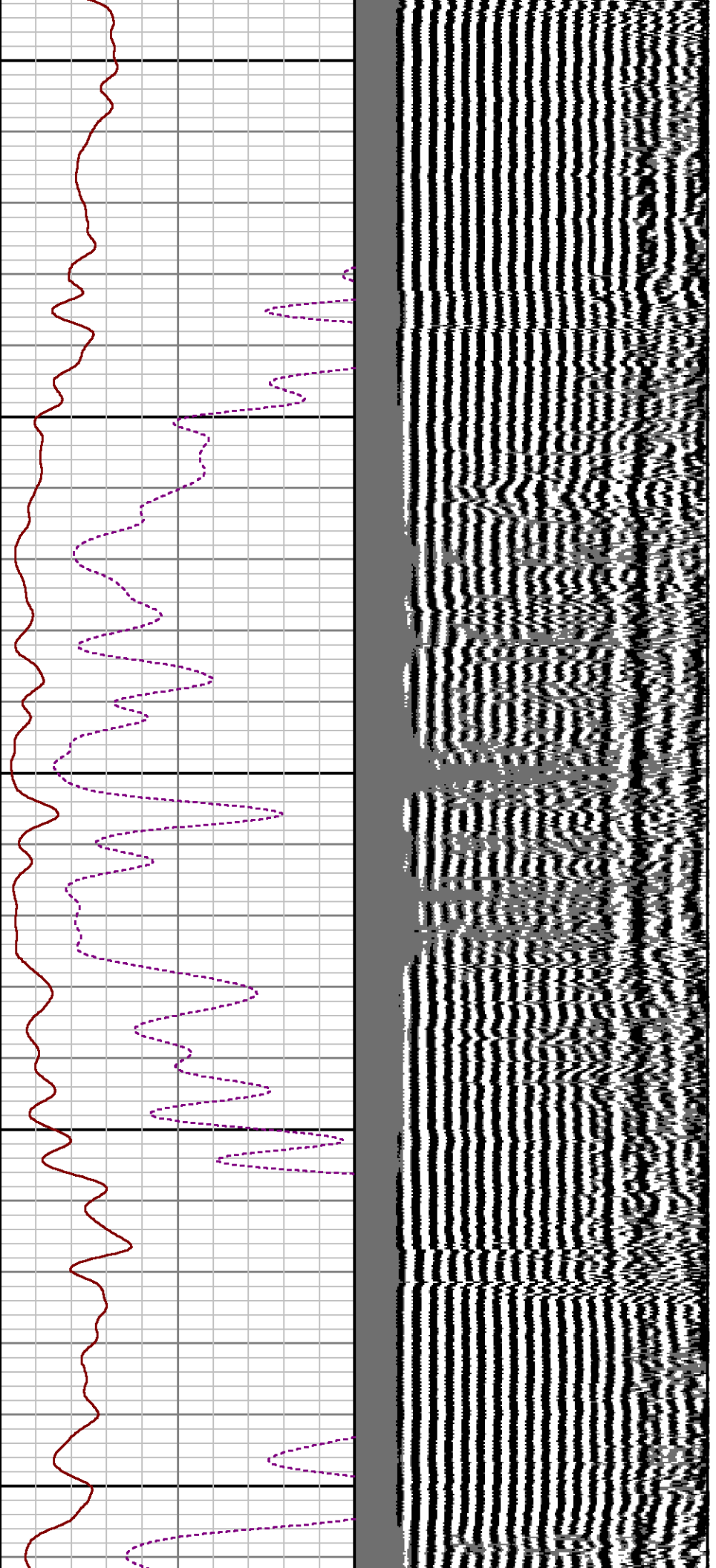


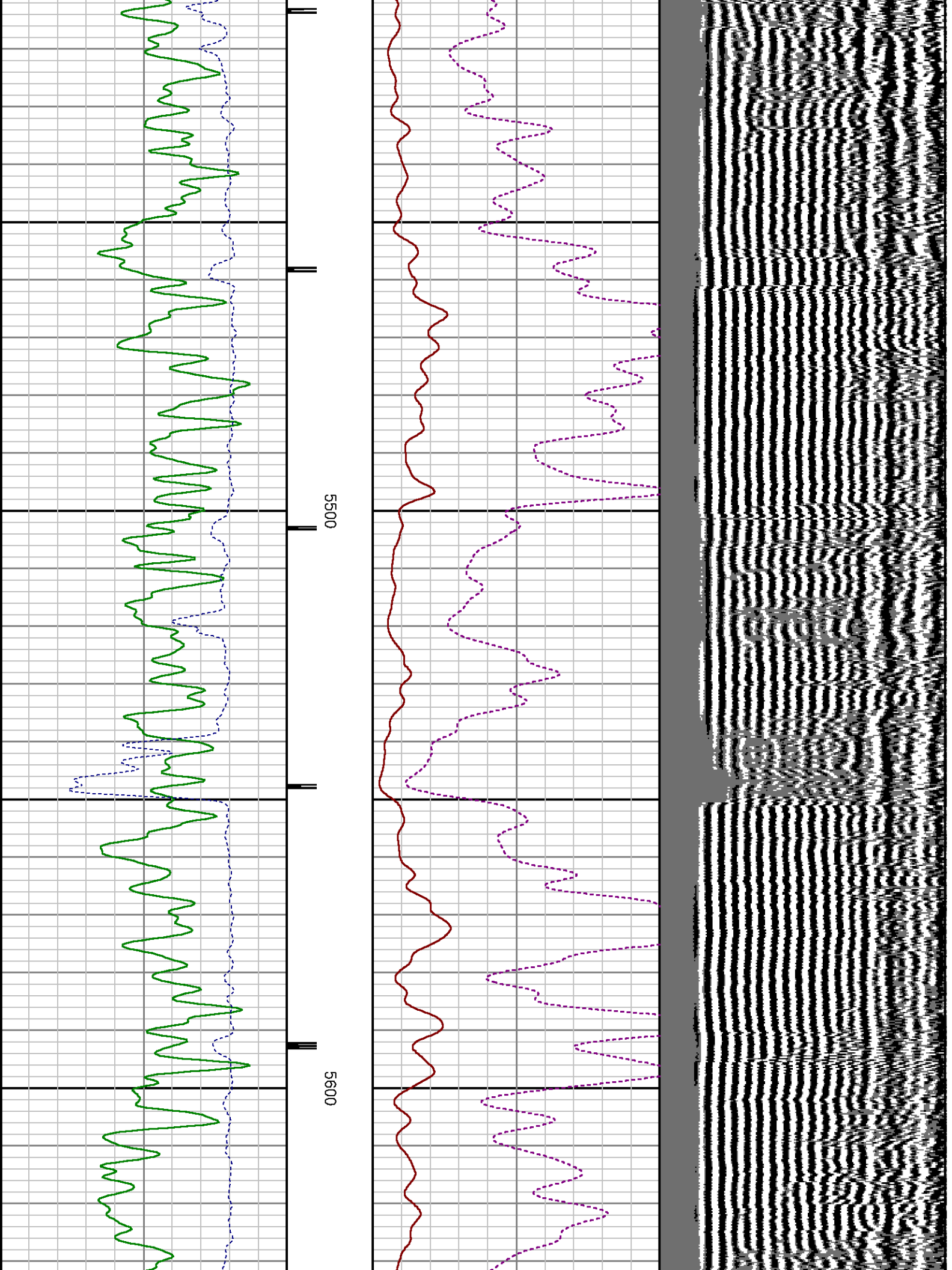




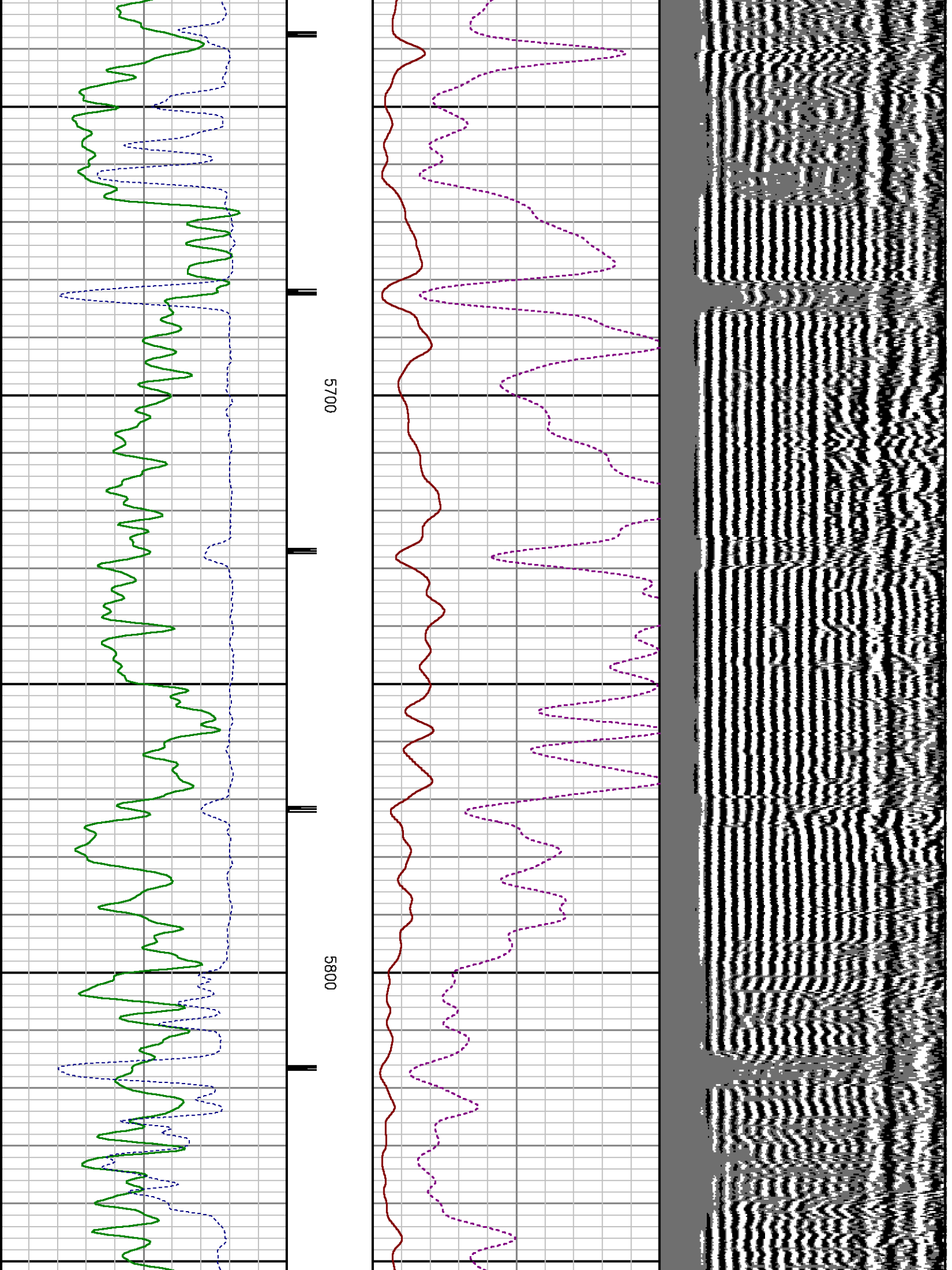


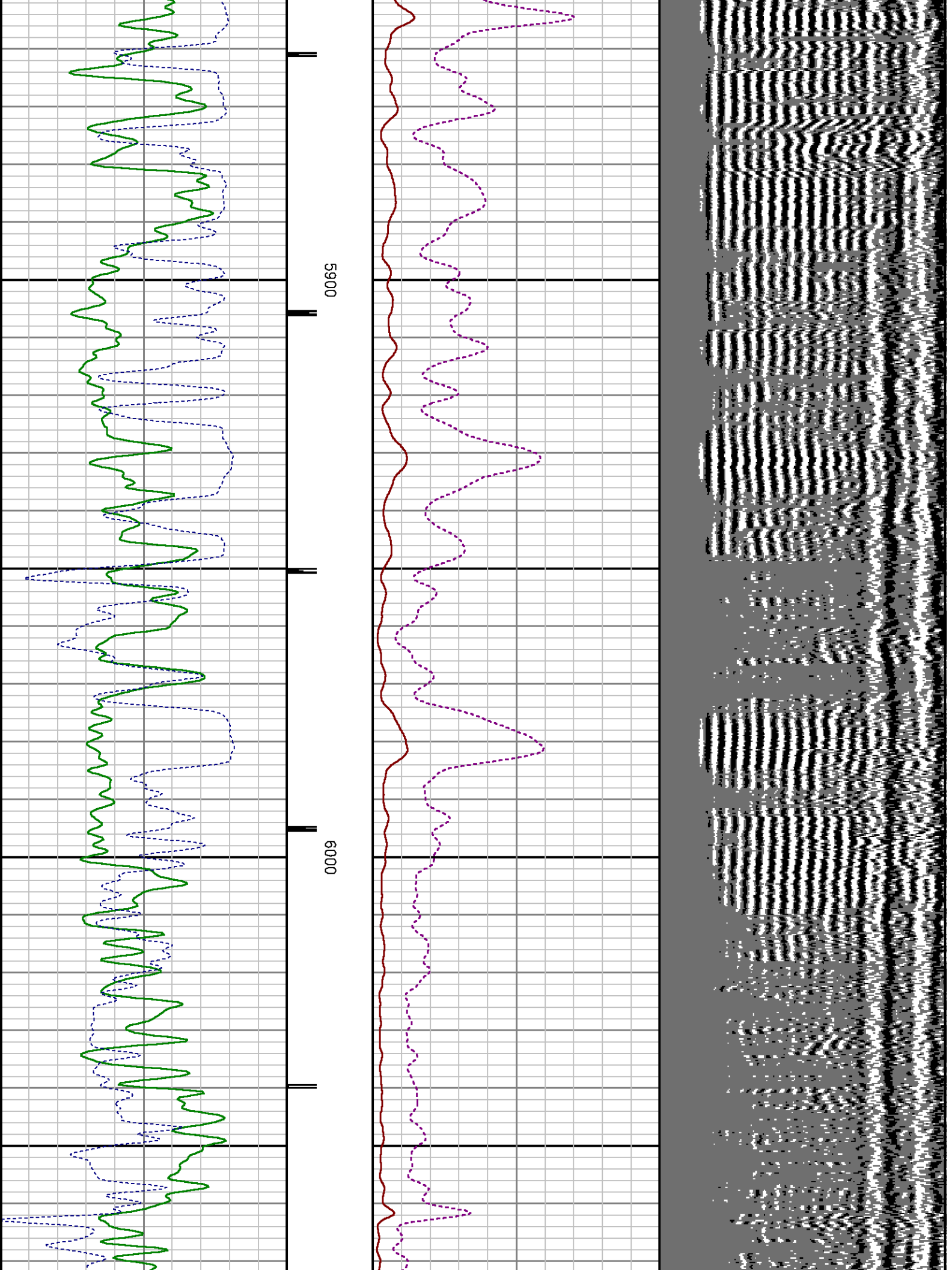


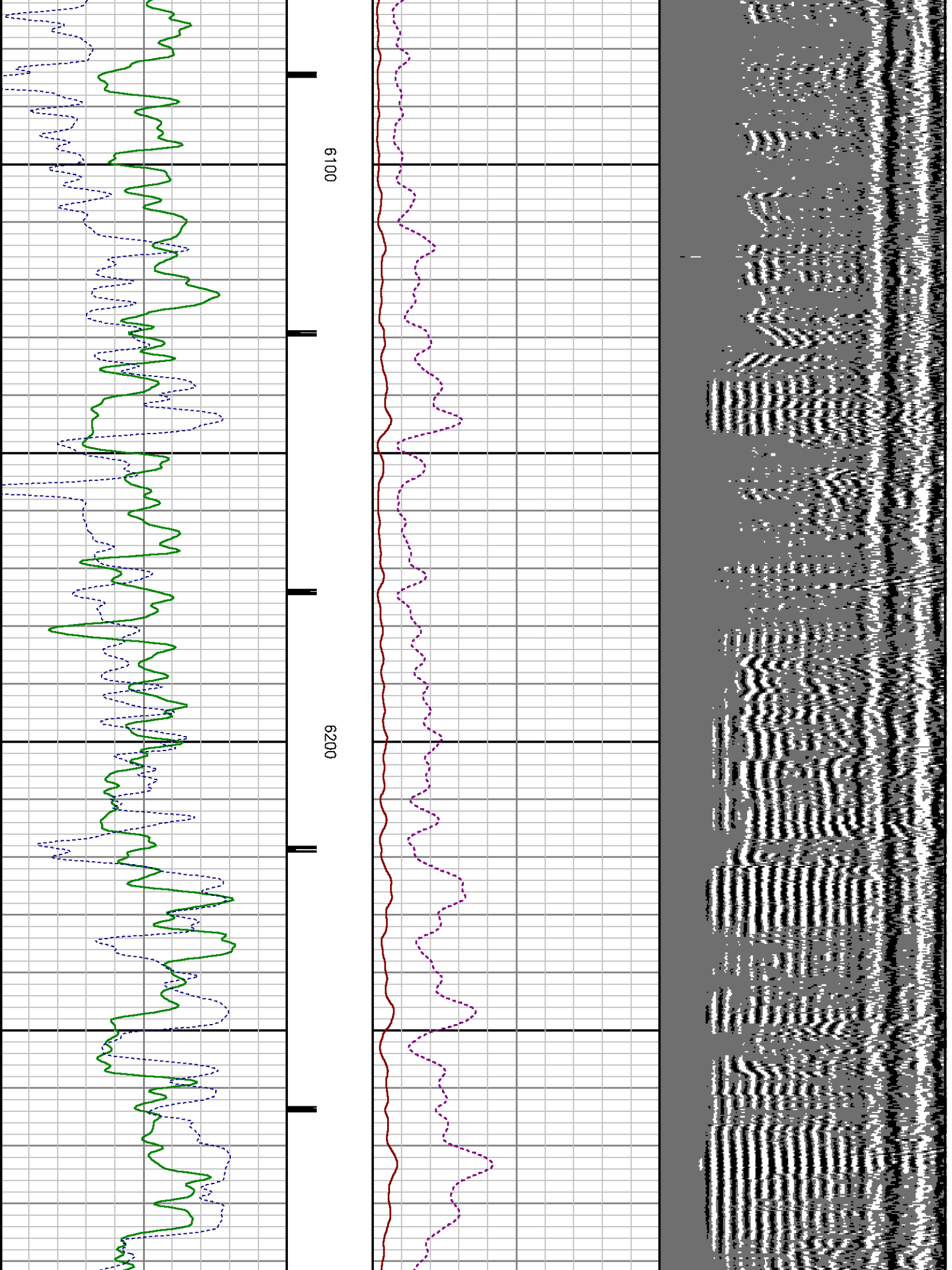


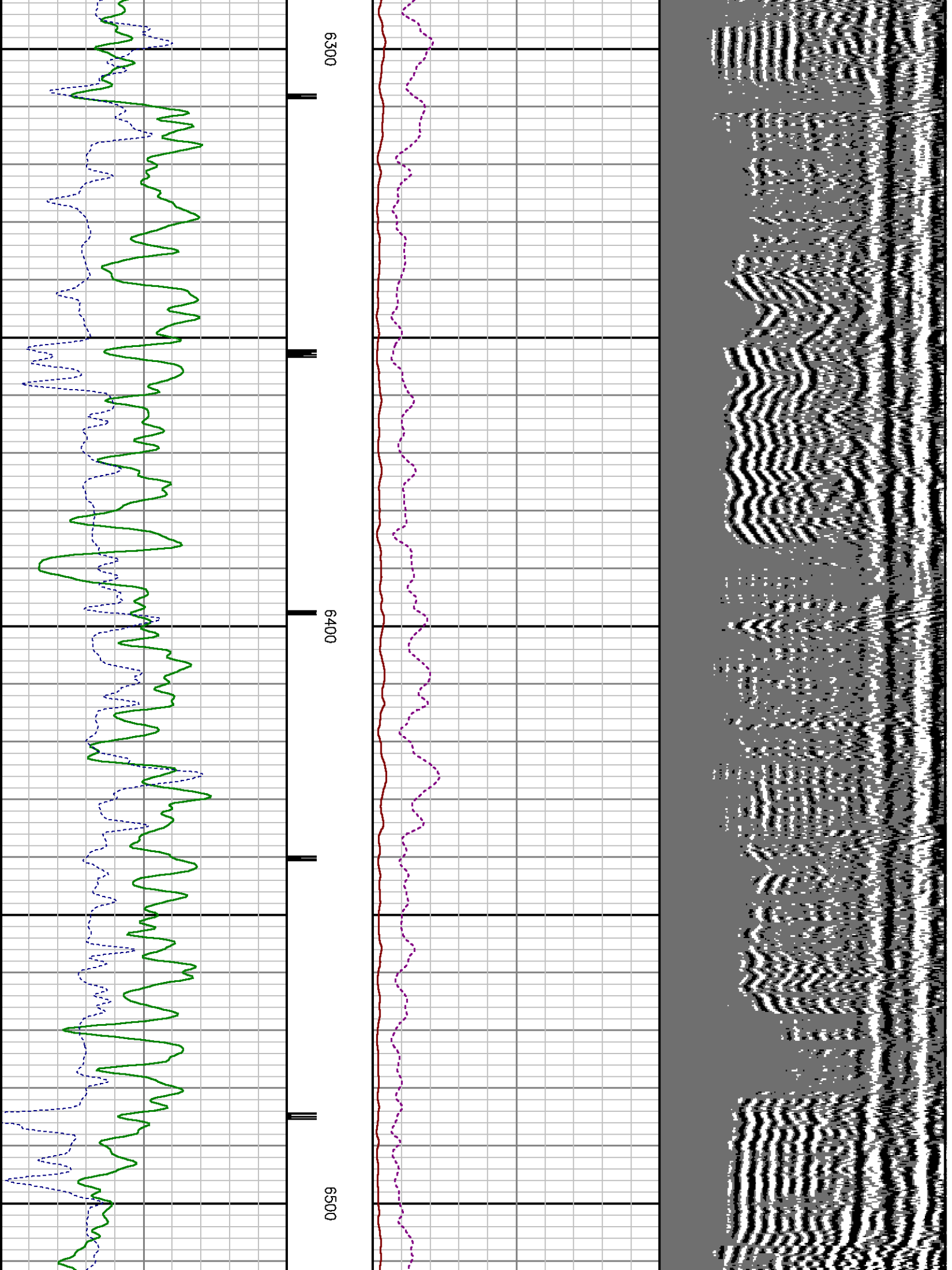




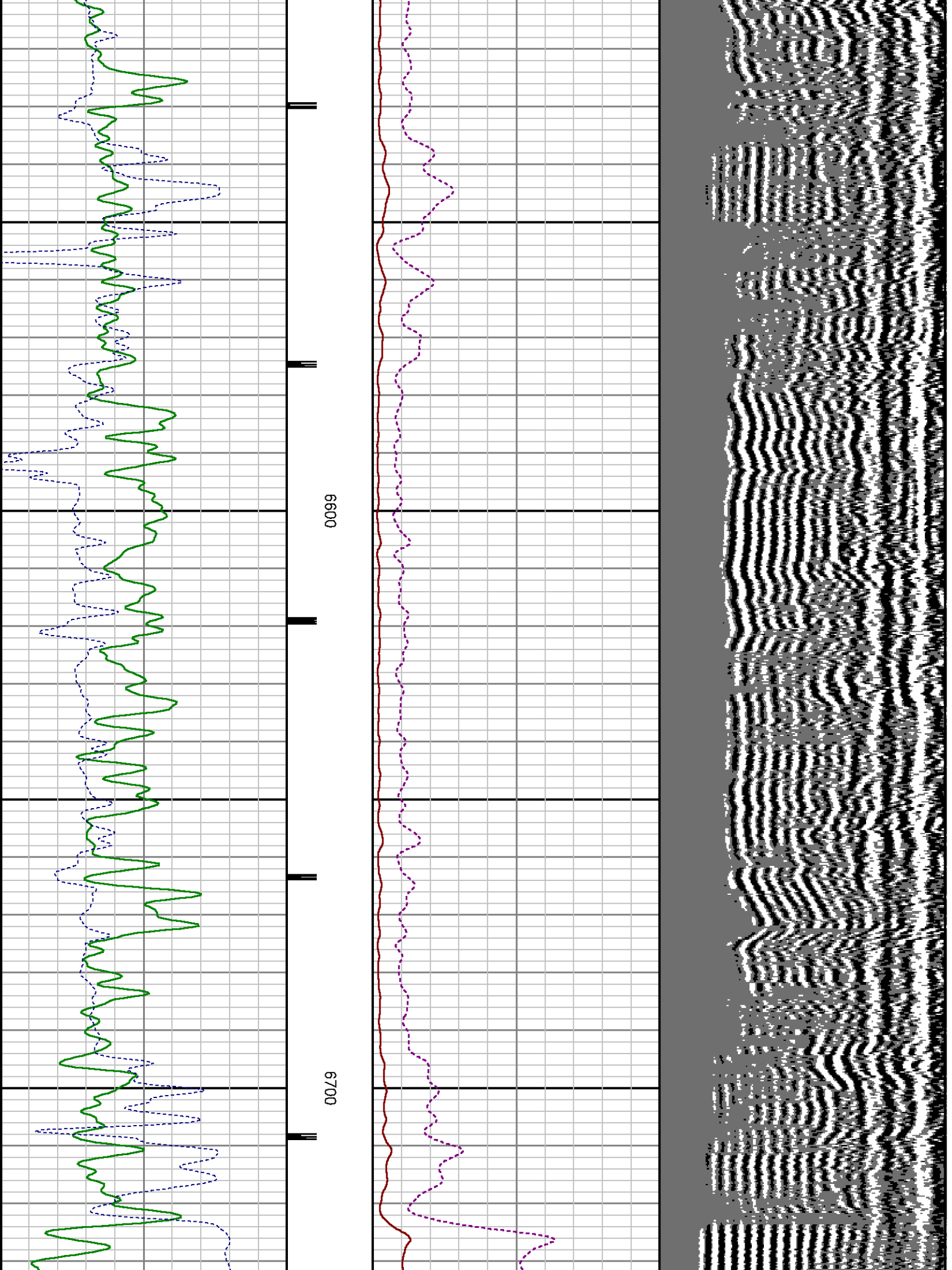


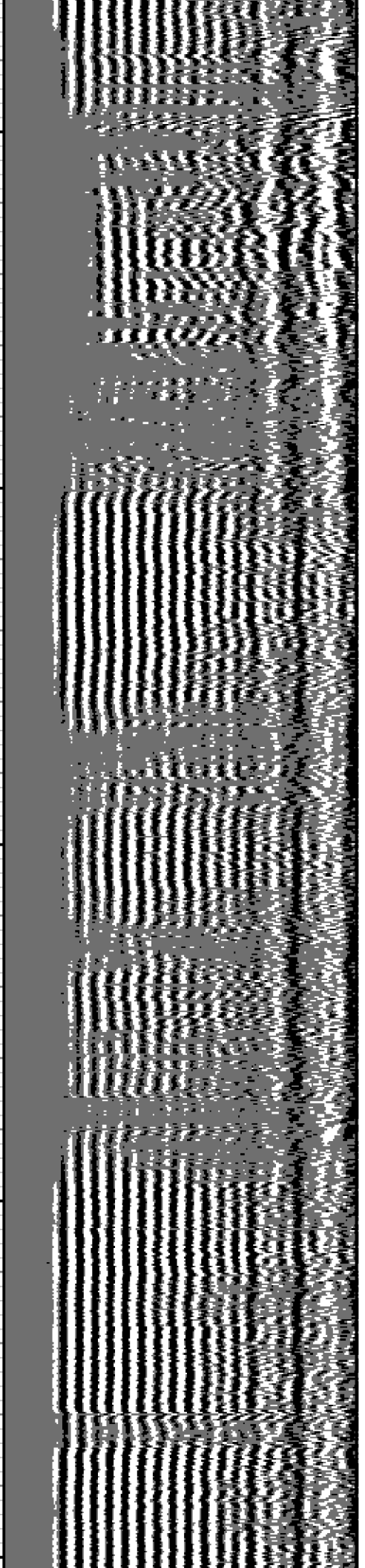
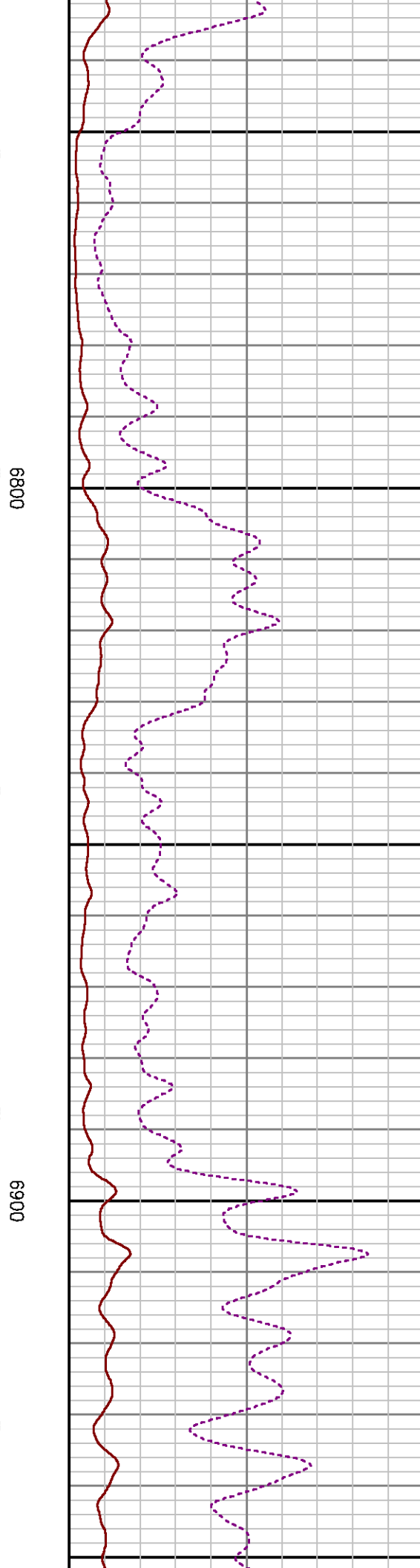
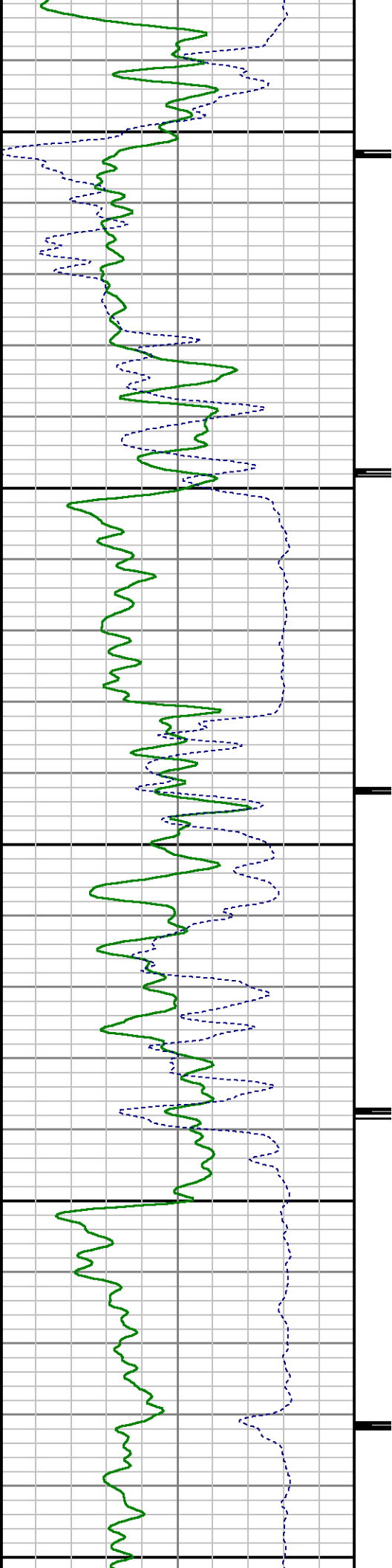


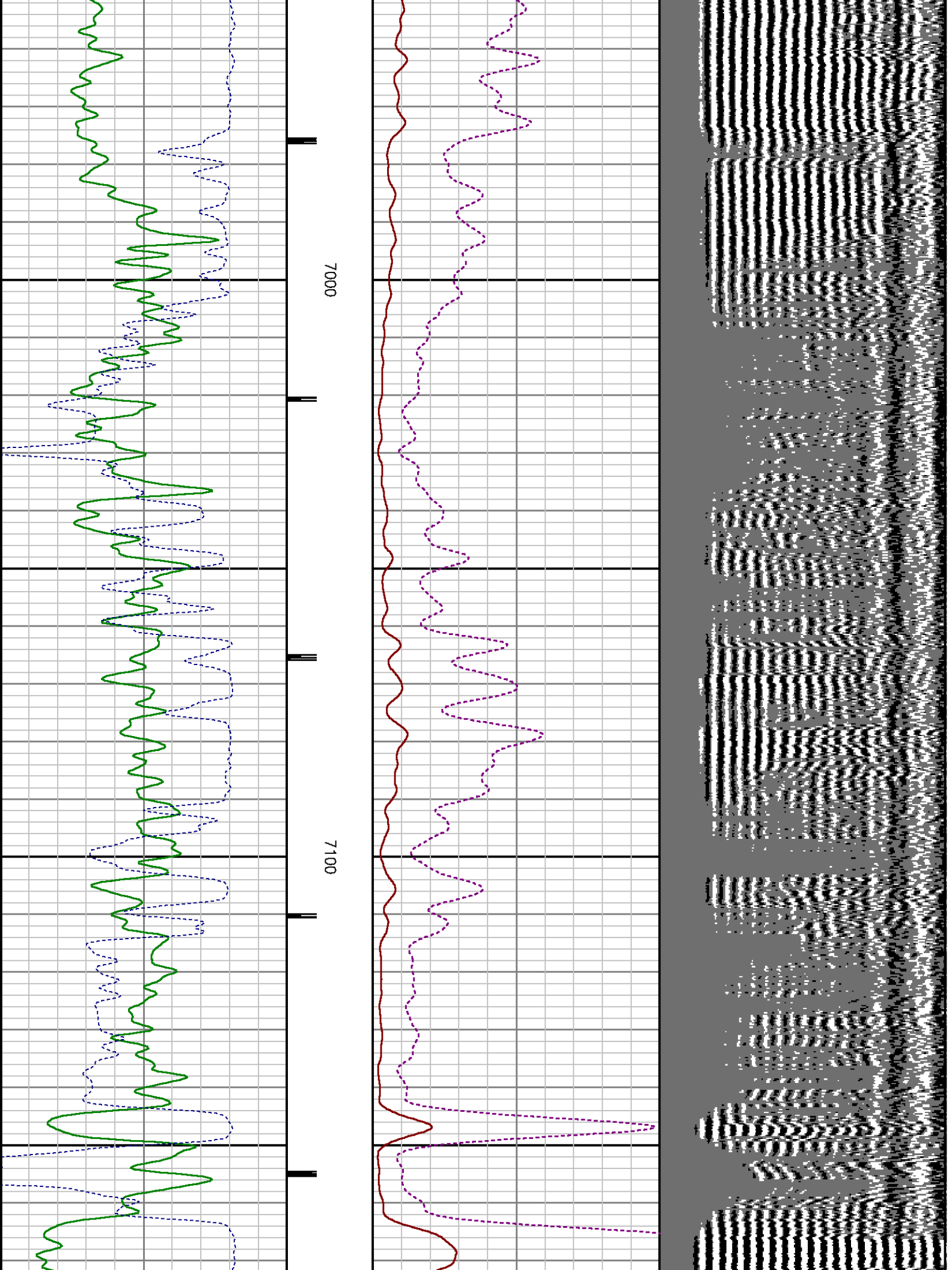


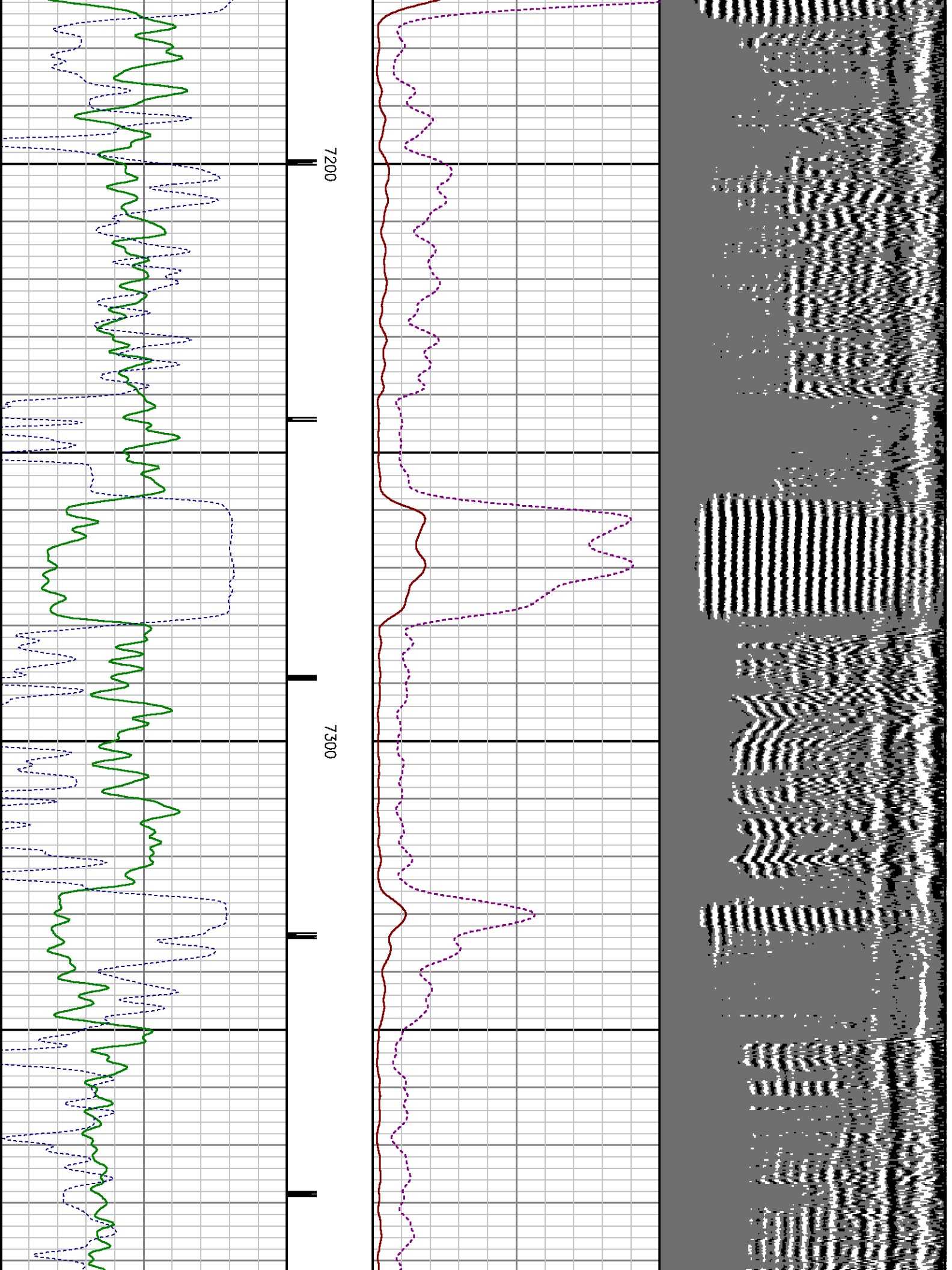


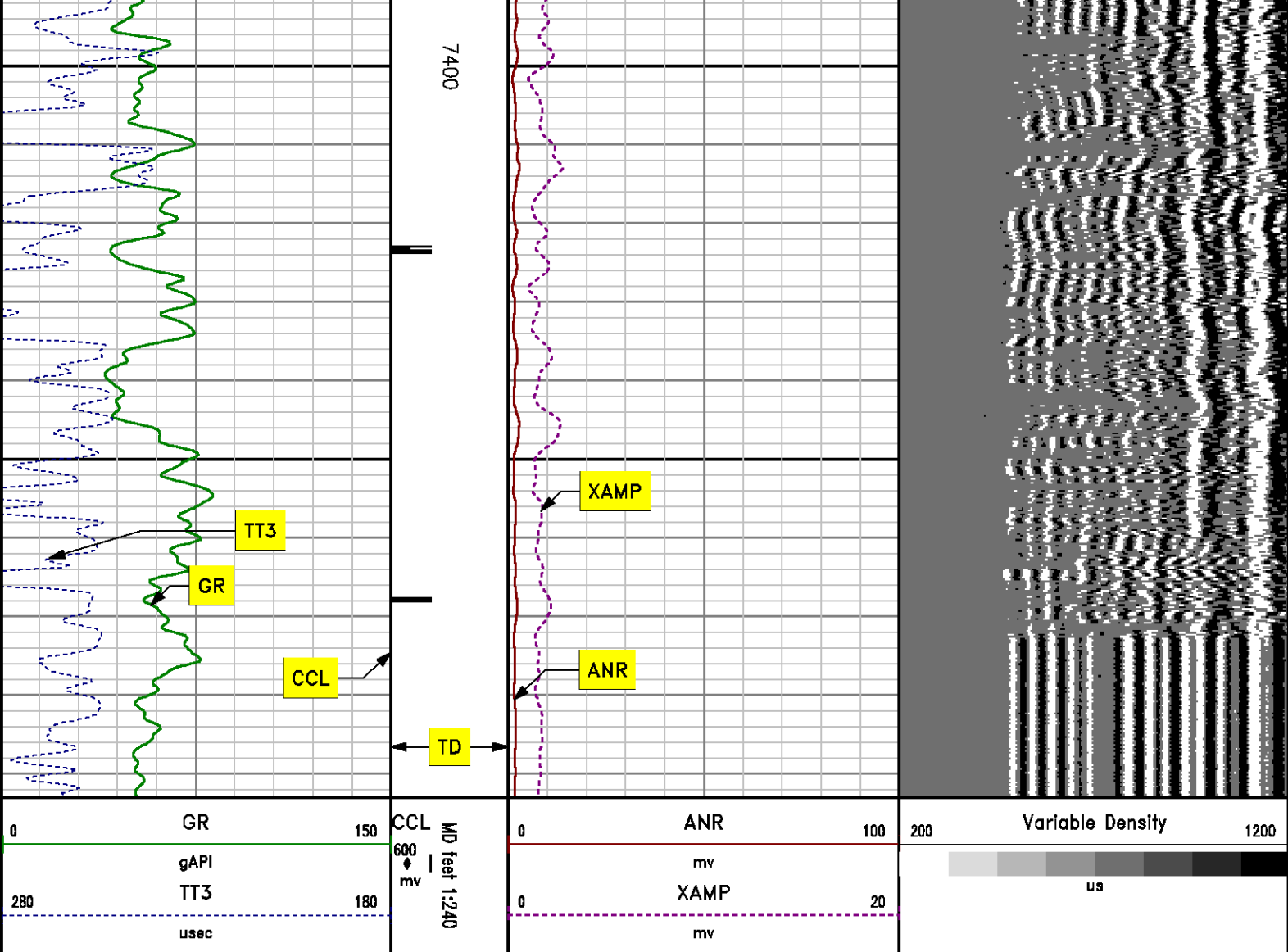












## SECONDARY PRESENTATION 0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	u sec	24.062	7509.000
RAL	Amp Gate Start Near	198.000	u sec	24.062	7509.000
RAL	Amp Gate Start Radial	198.000	u sec	24.062	7509.000
RAL	Amp Gate Width Far	25.000	u sec	24.062	7509.000
RAL	Amp Gate Width Near	25.000	u sec	24.062	7509.000
RAL	Amp Gate Width Radial	25.000	u sec	24.062	7509.000

RAL	Ann Gate Width Radial	25.000	inches	24.062	7509.000
RAL	casing od	4.500	inches	24.062	7509.000
RAL	casing wt	11.600	lbm/ft	24.062	7509.000
RAL	FB Start Far	291.900	usec	24.062	7509.000
RAL	FB Start Near	180.000	usec	24.062	7509.000
RAL	FB Start Radial	180.000	usec	24.062	7509.000
RAL	FB Thresh Far	10.000	mv	24.062	7509.000
RAL	FB Thresh Near	4.000	mv	24.062	7509.000
RAL	FB Thresh Radial	4.000	mv	24.062	7509.000
RAL	Fluid Travel Time	200.000	usec/ft	24.062	7508.937

## DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-12.360	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	-11.360	AFAR	SIG	TT5			
1426XA	-7.250	CCL					
1426XA	-5.390	GR					
1426XA	0.000	NEU					

Created by : MIXED

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

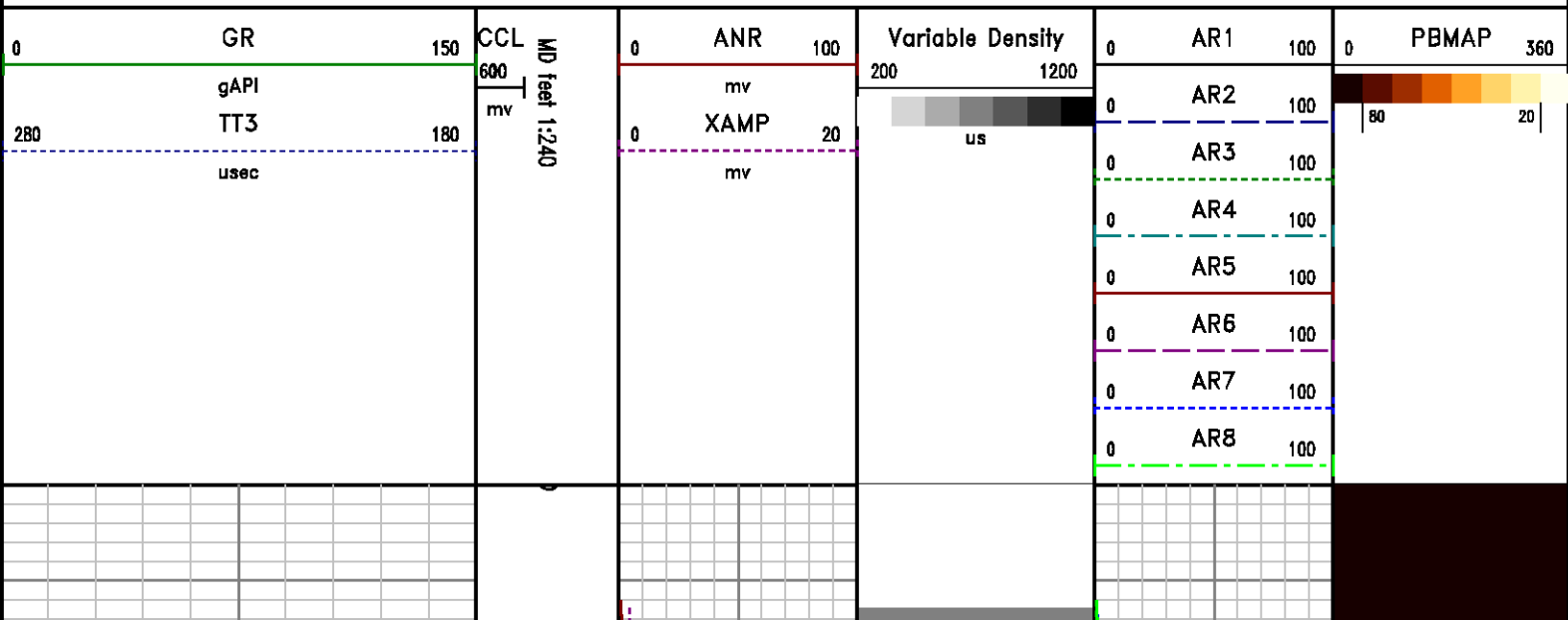
Well : JOLLEY KP 423-8

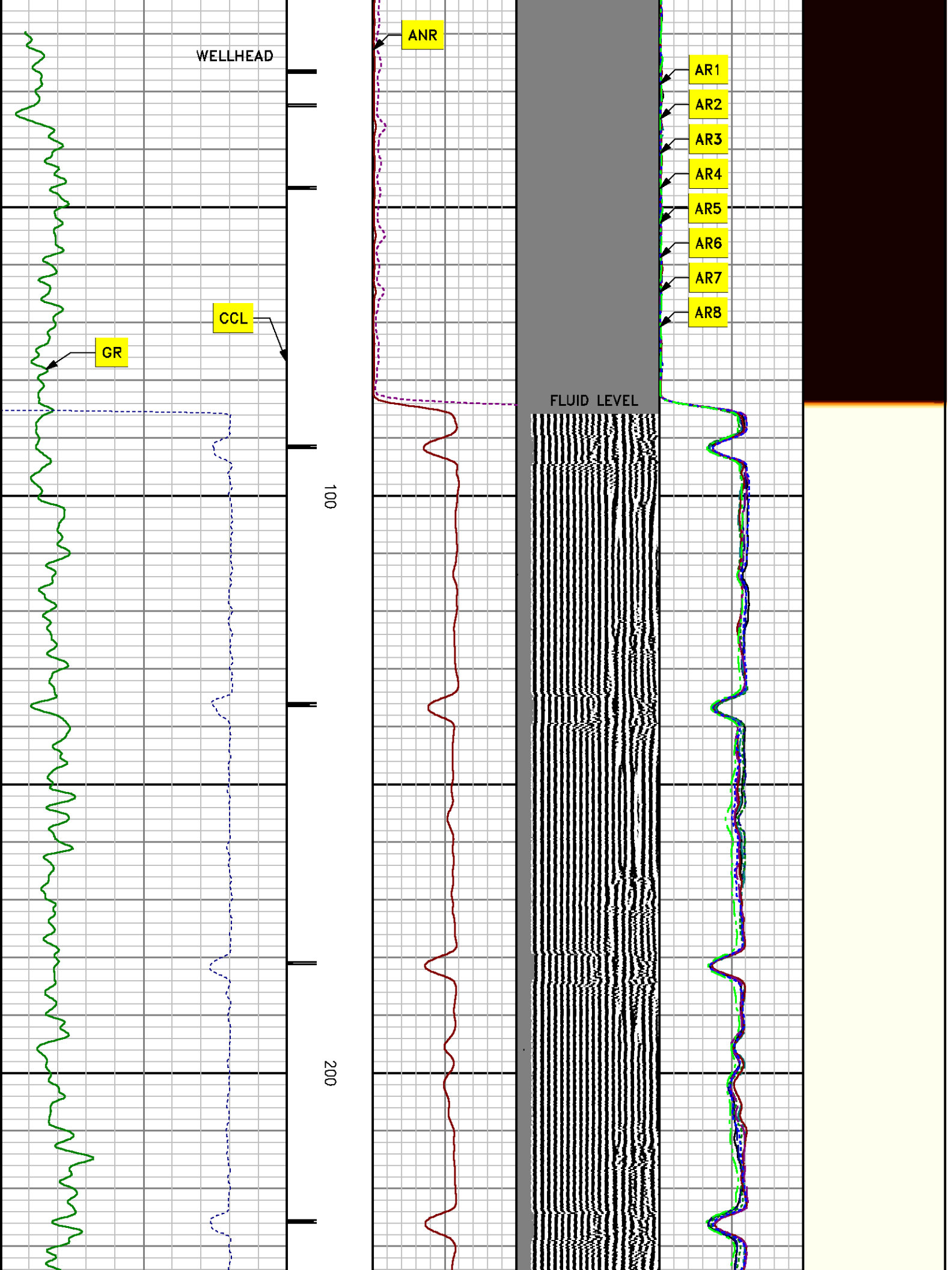
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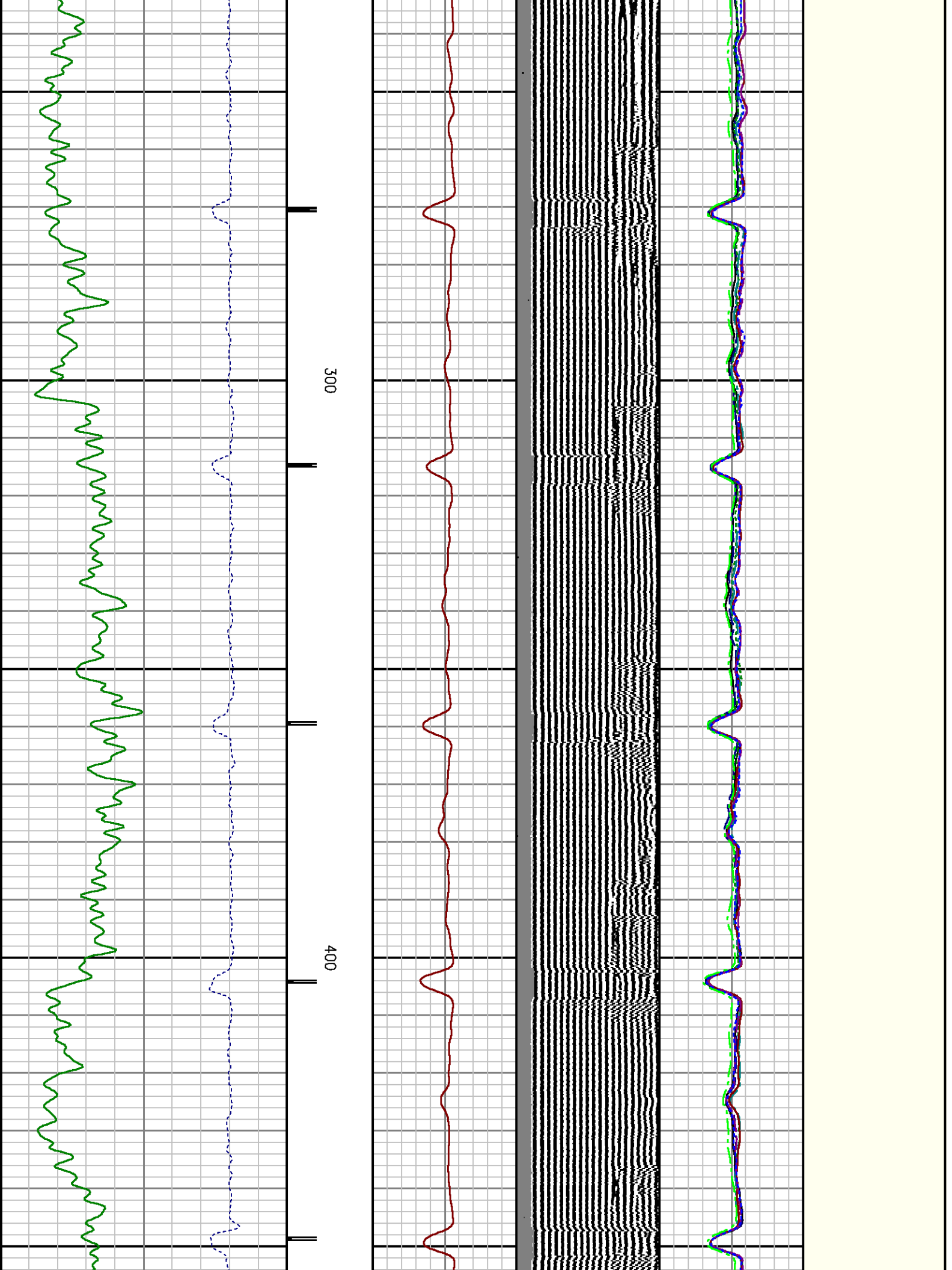
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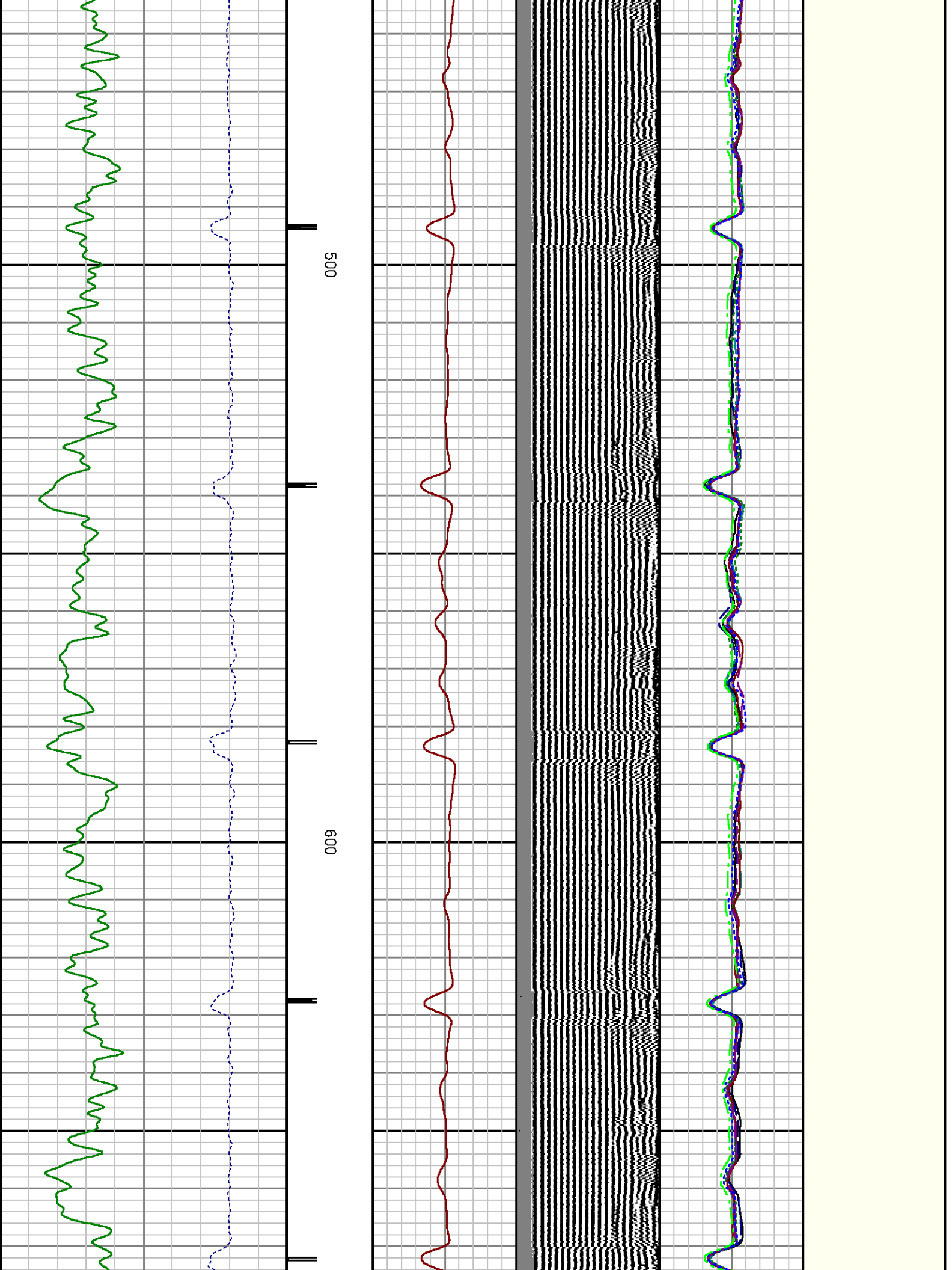


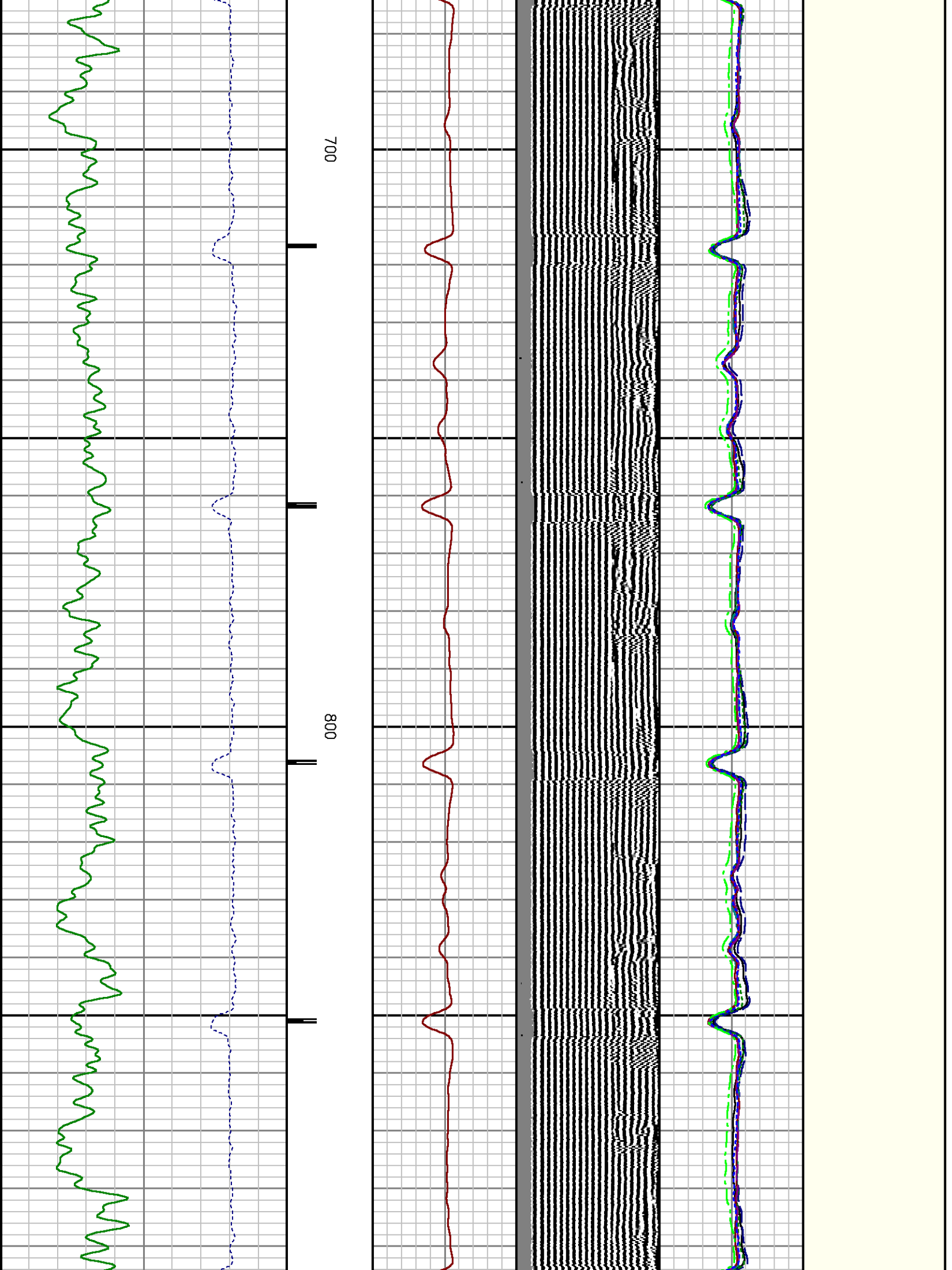


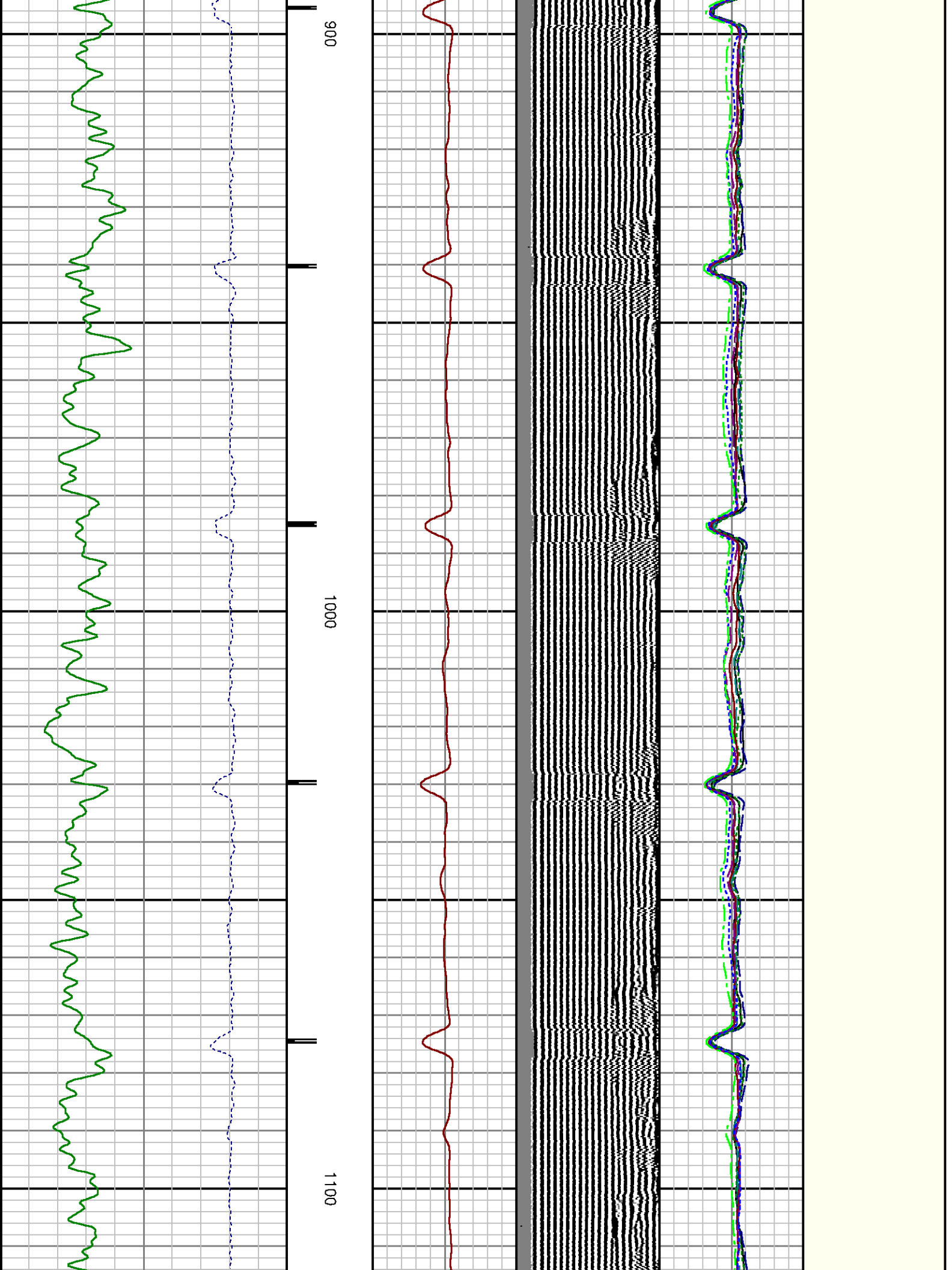


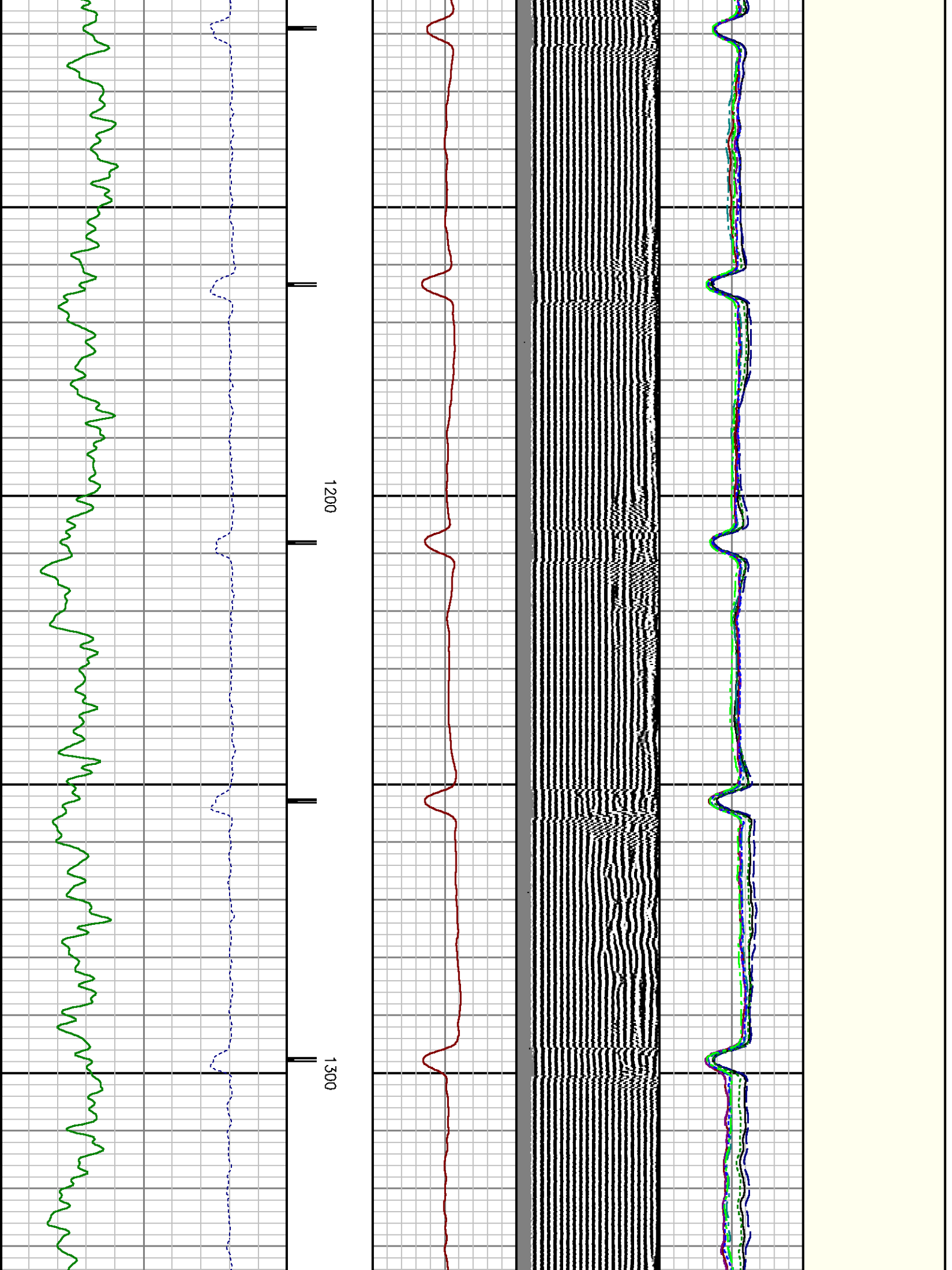


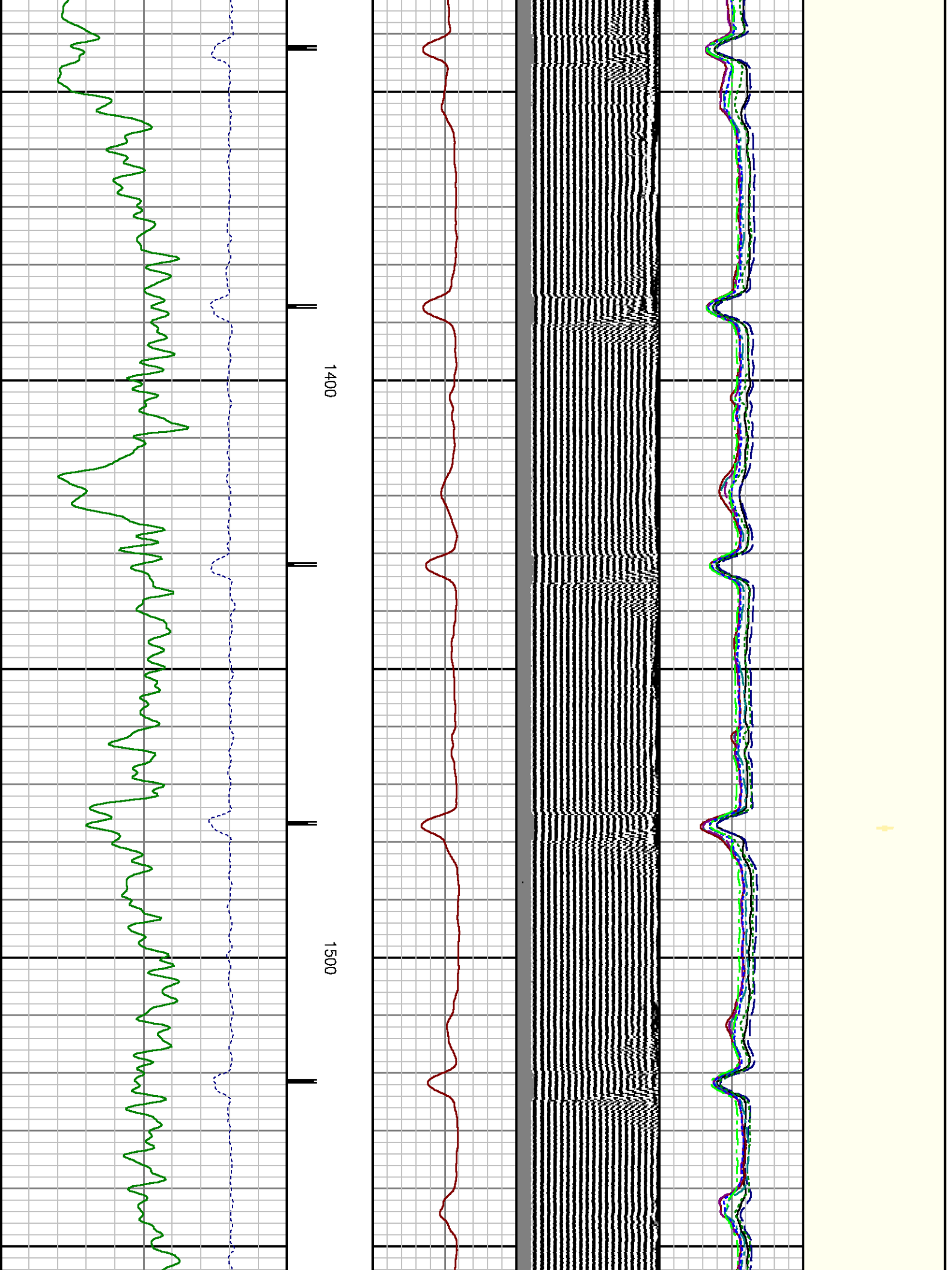


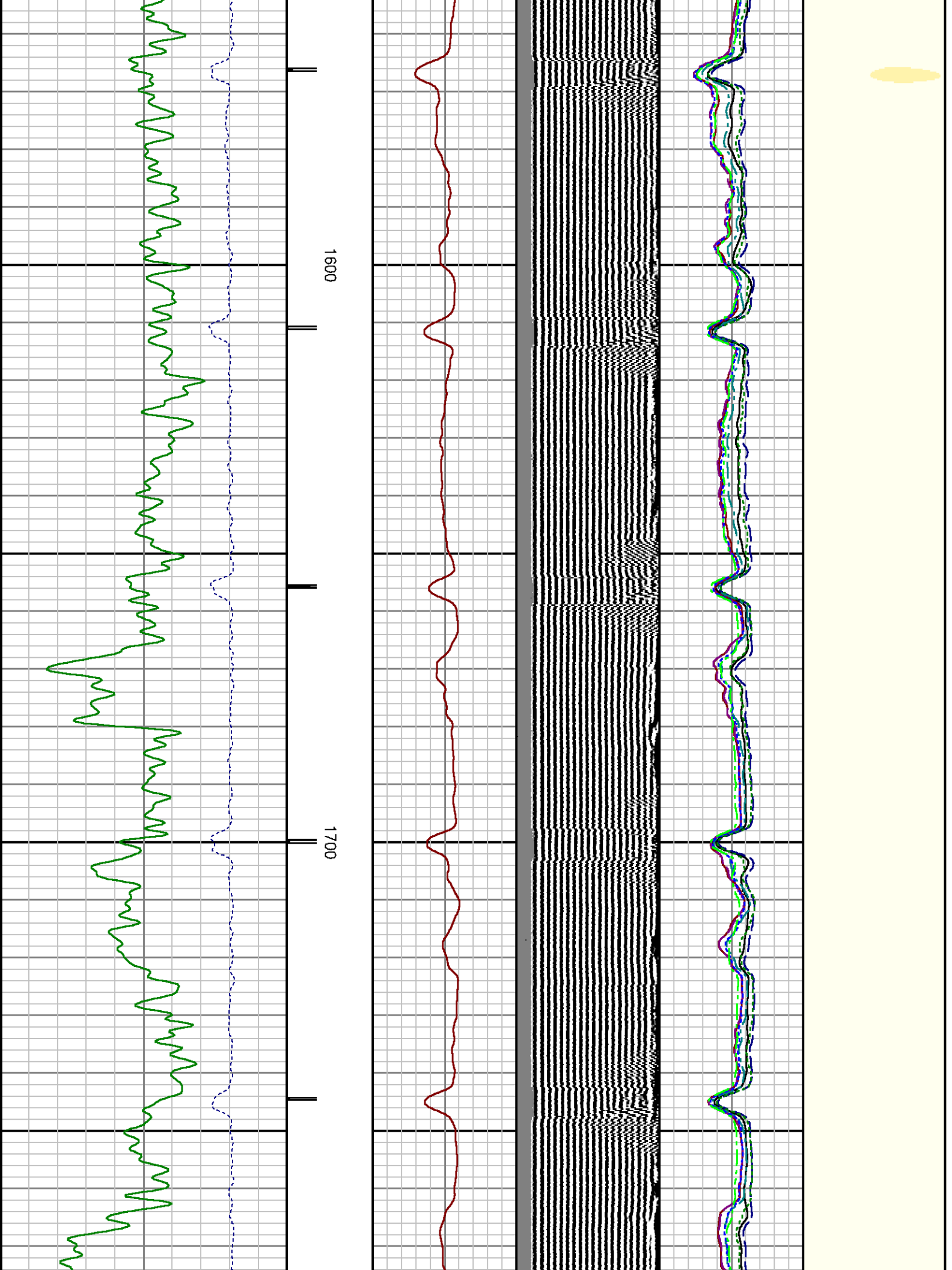




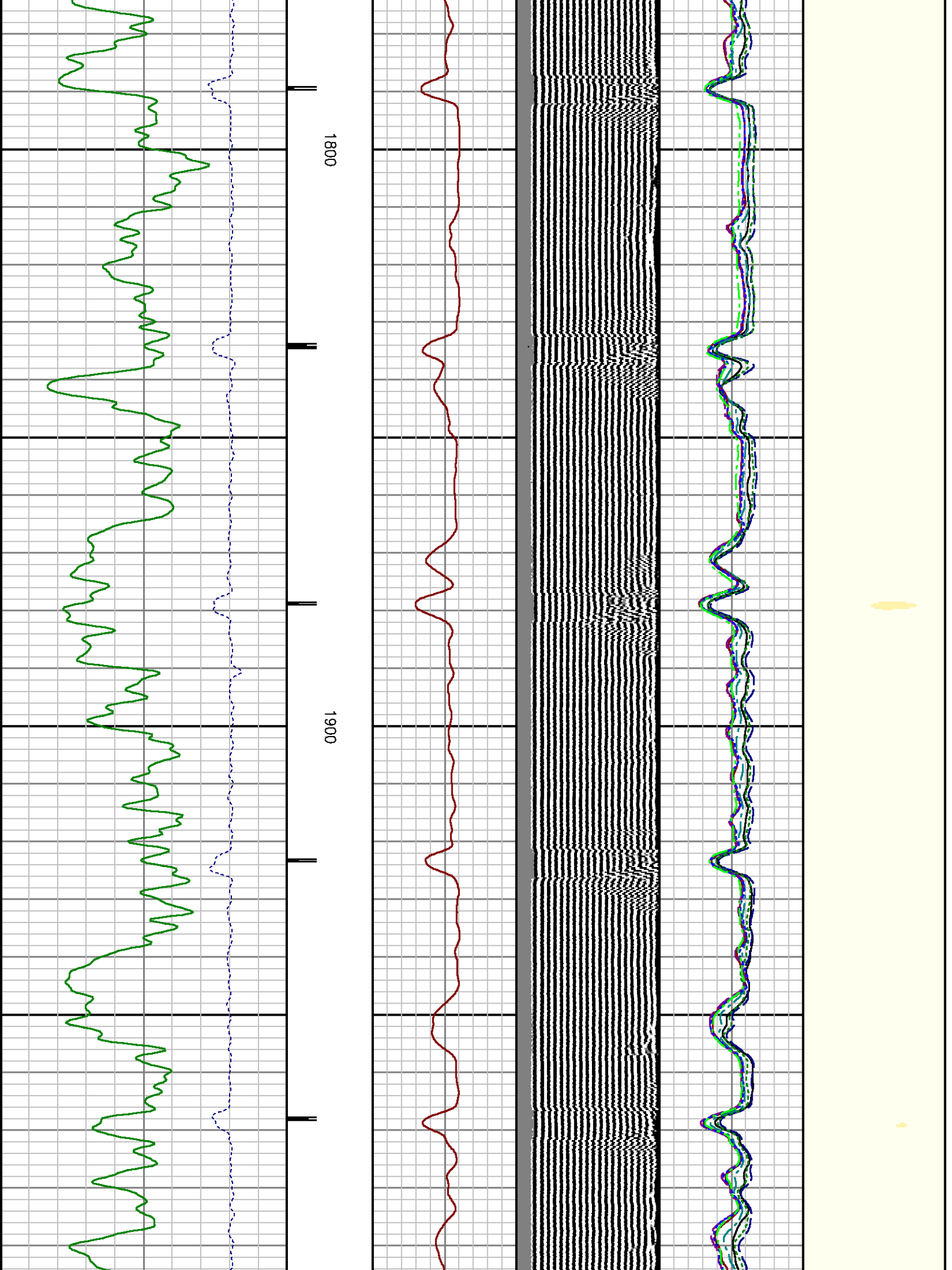


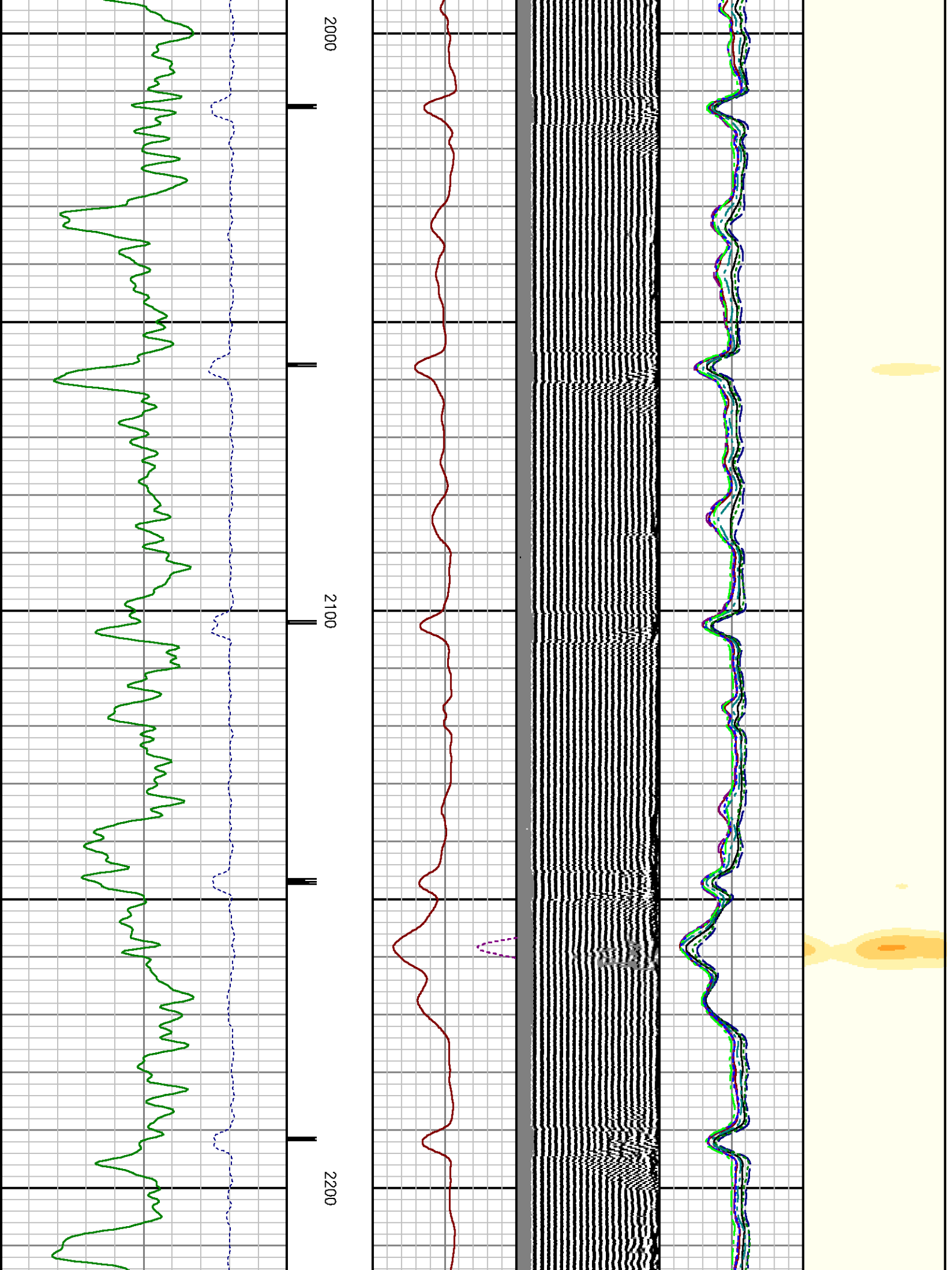


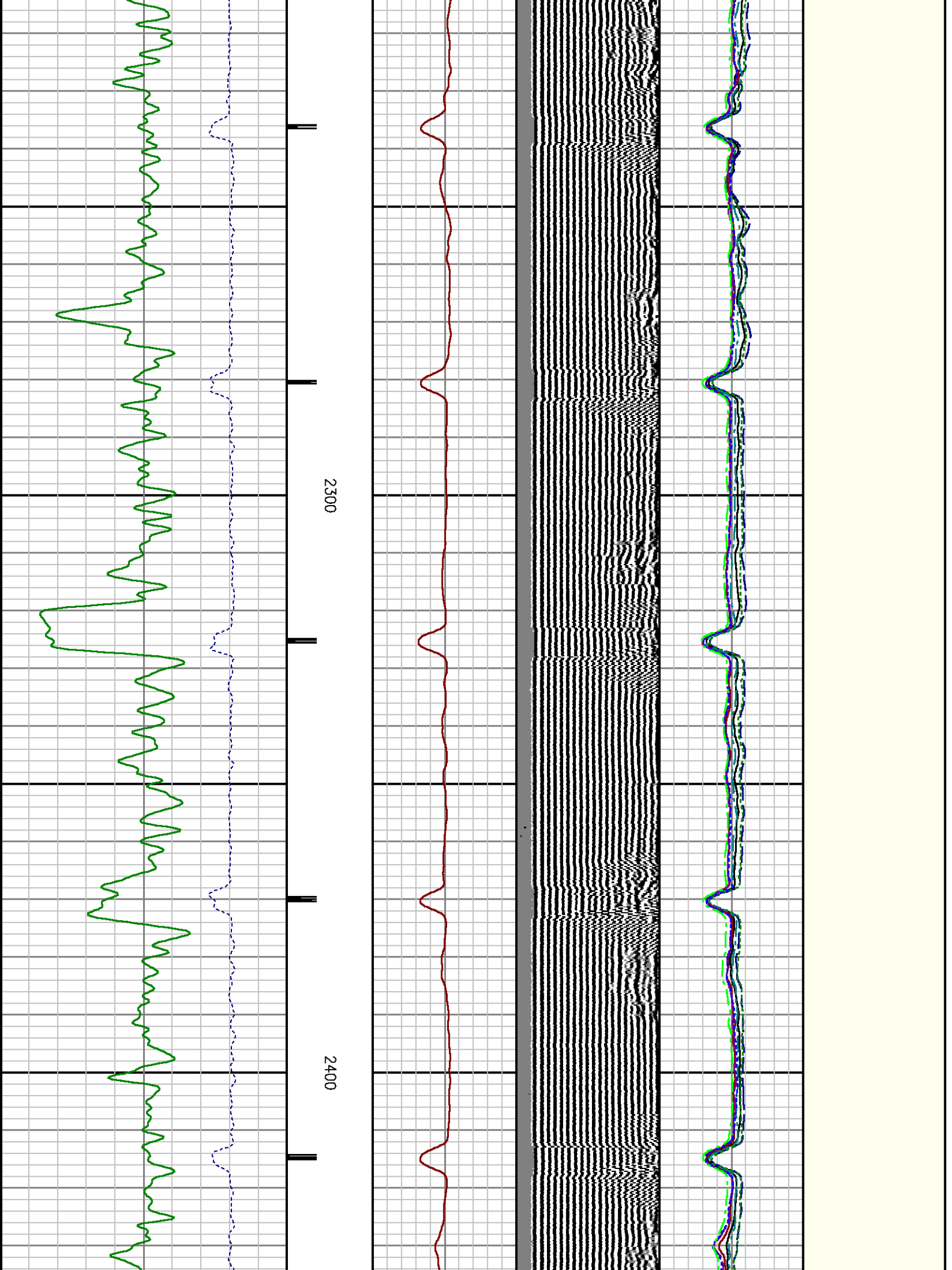


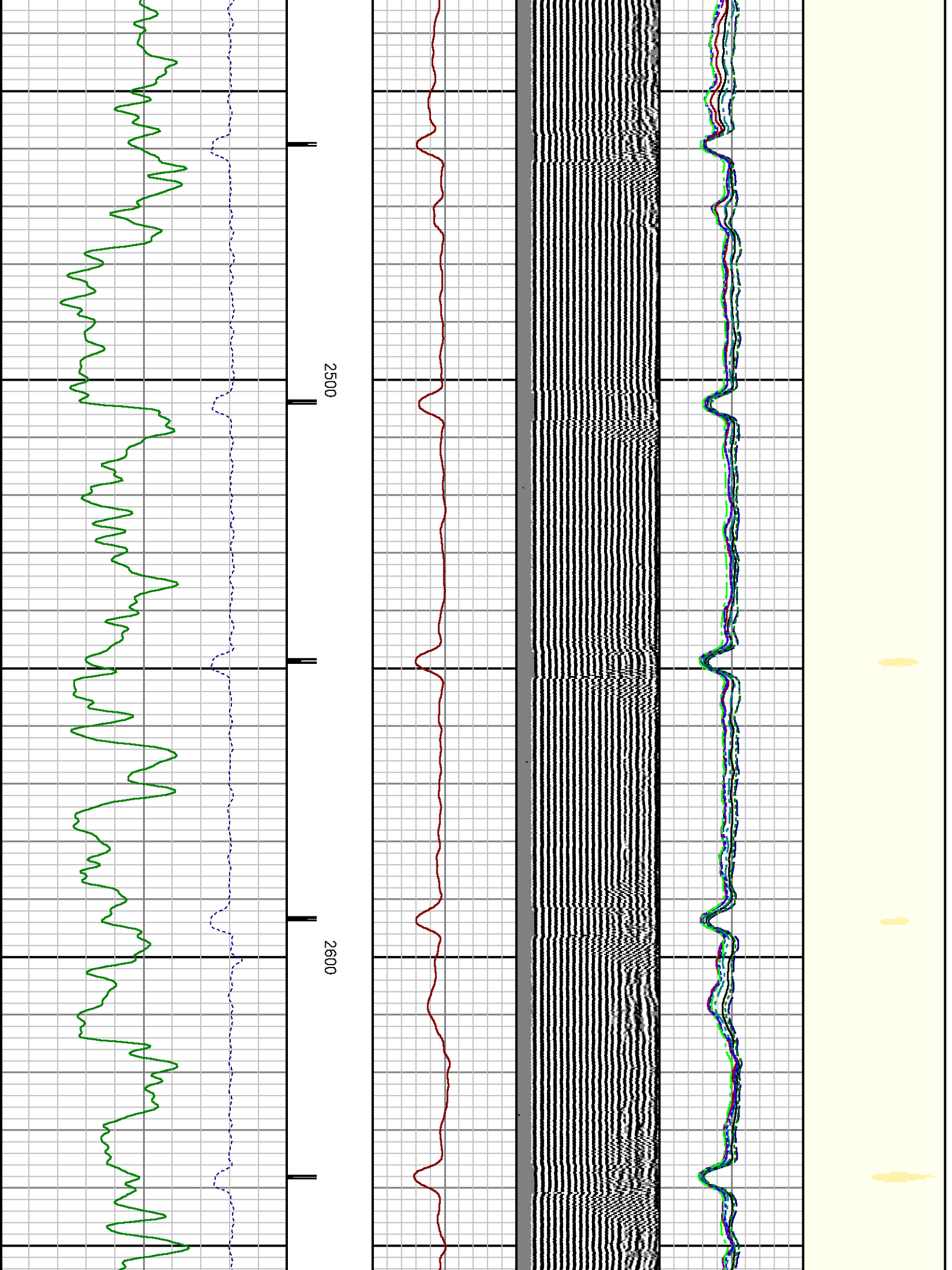


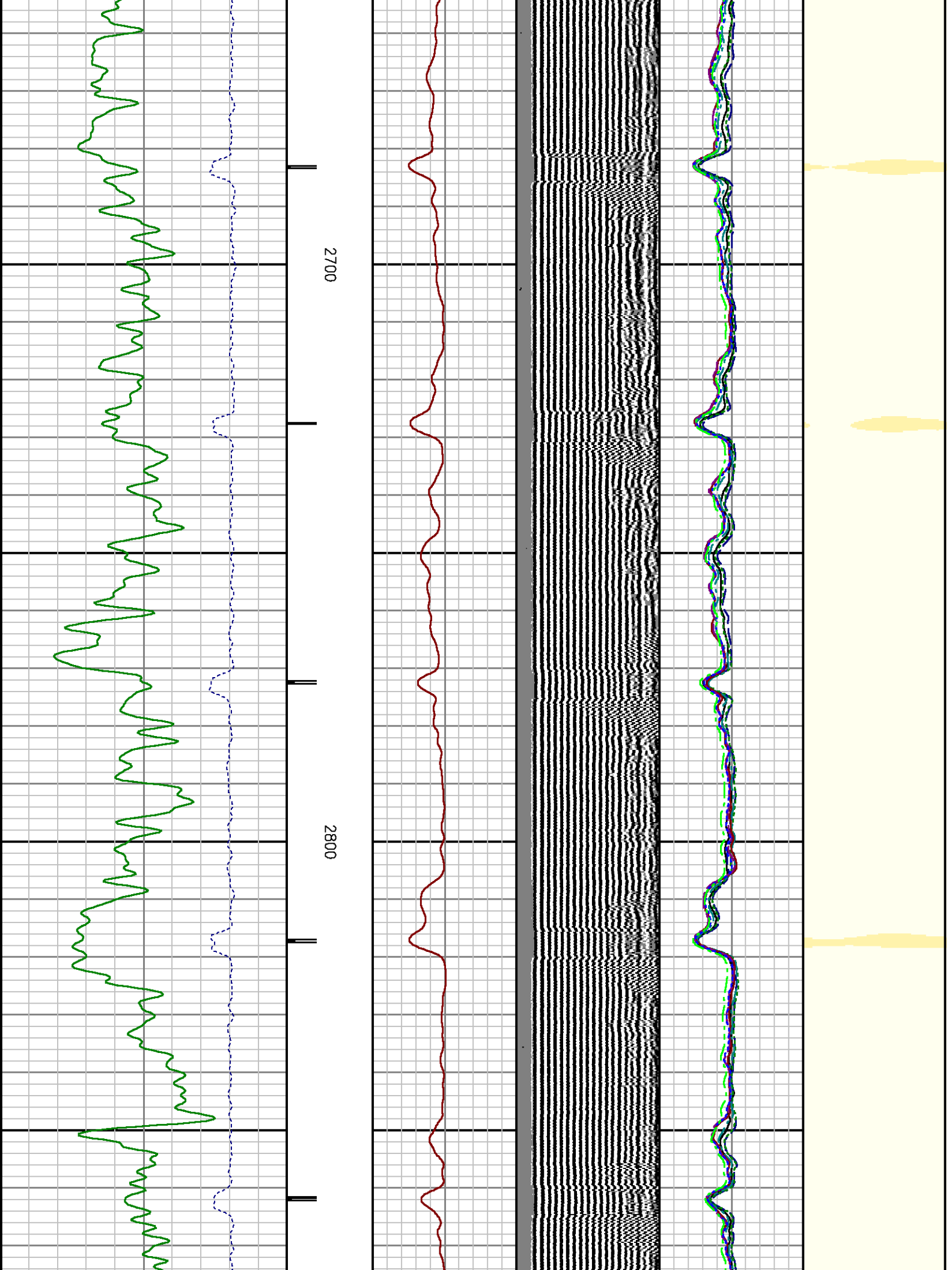


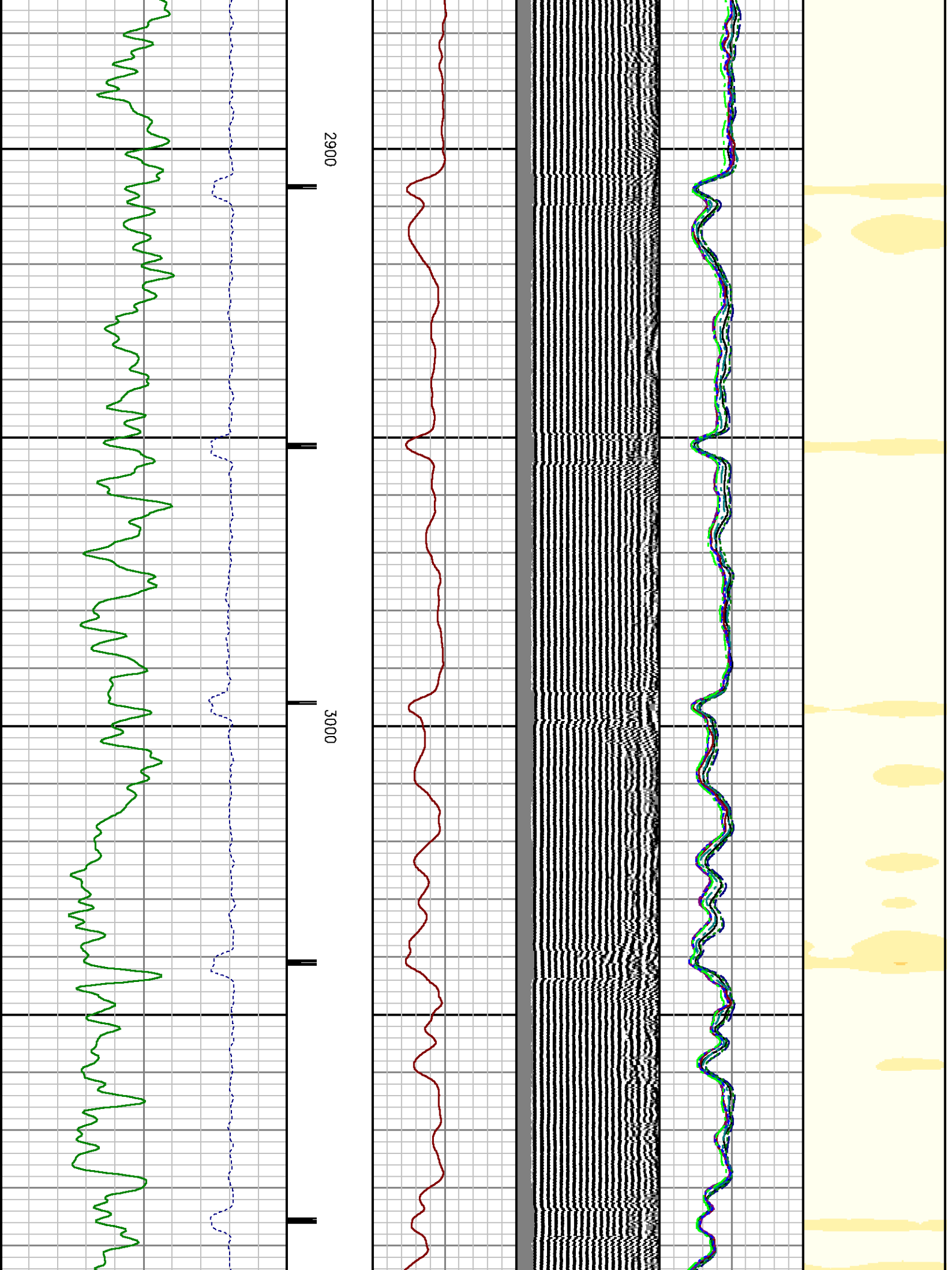




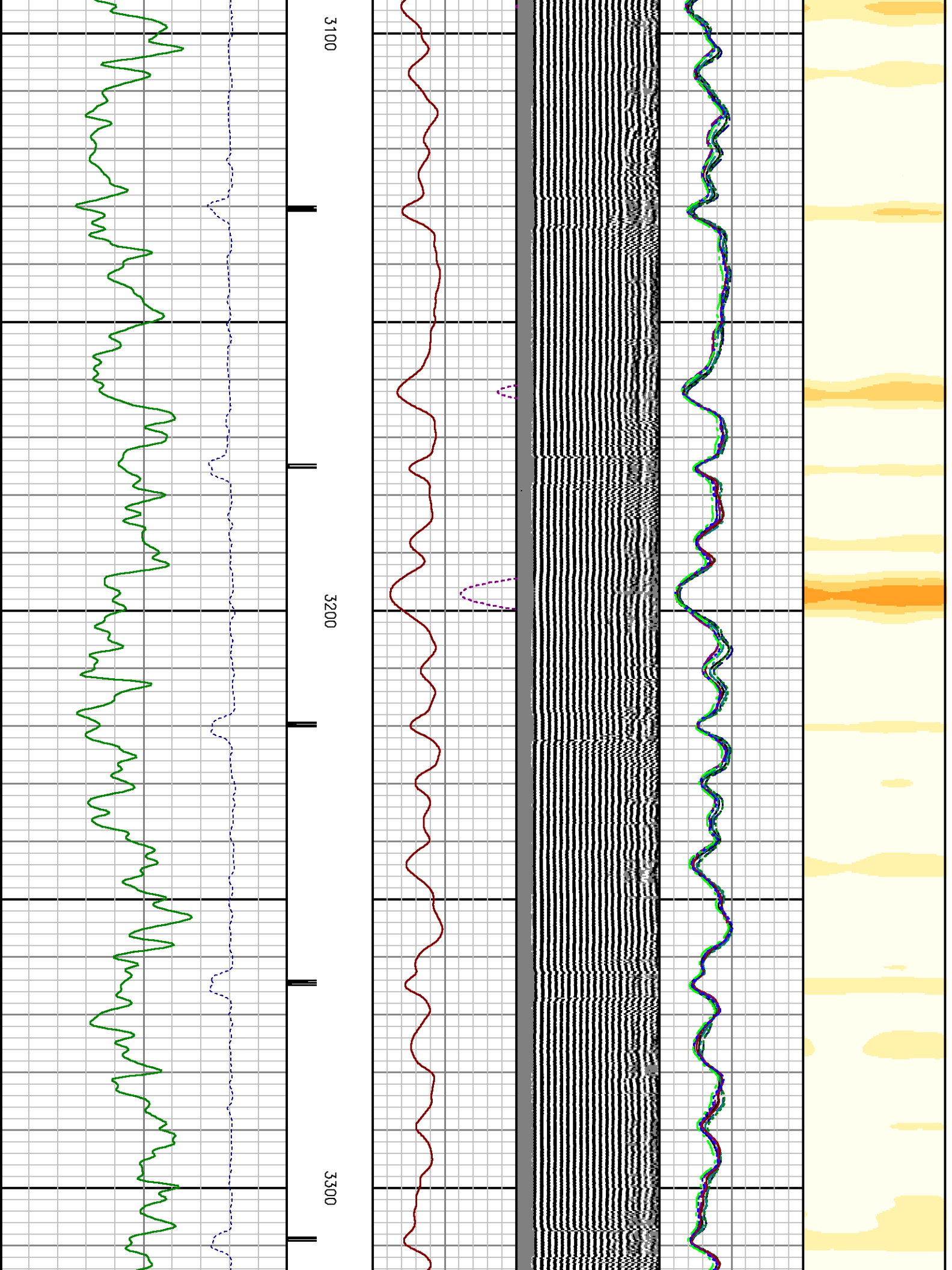


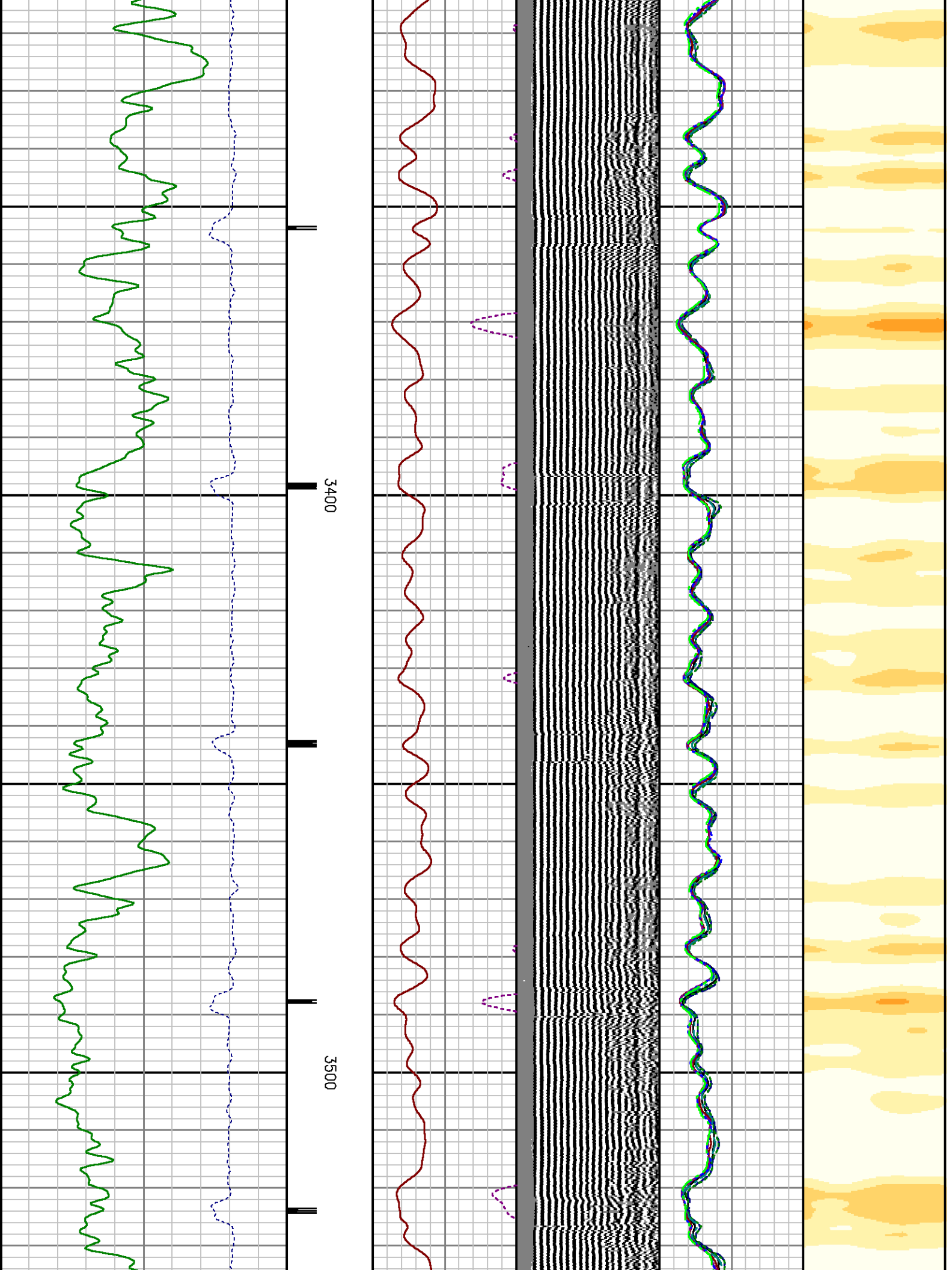


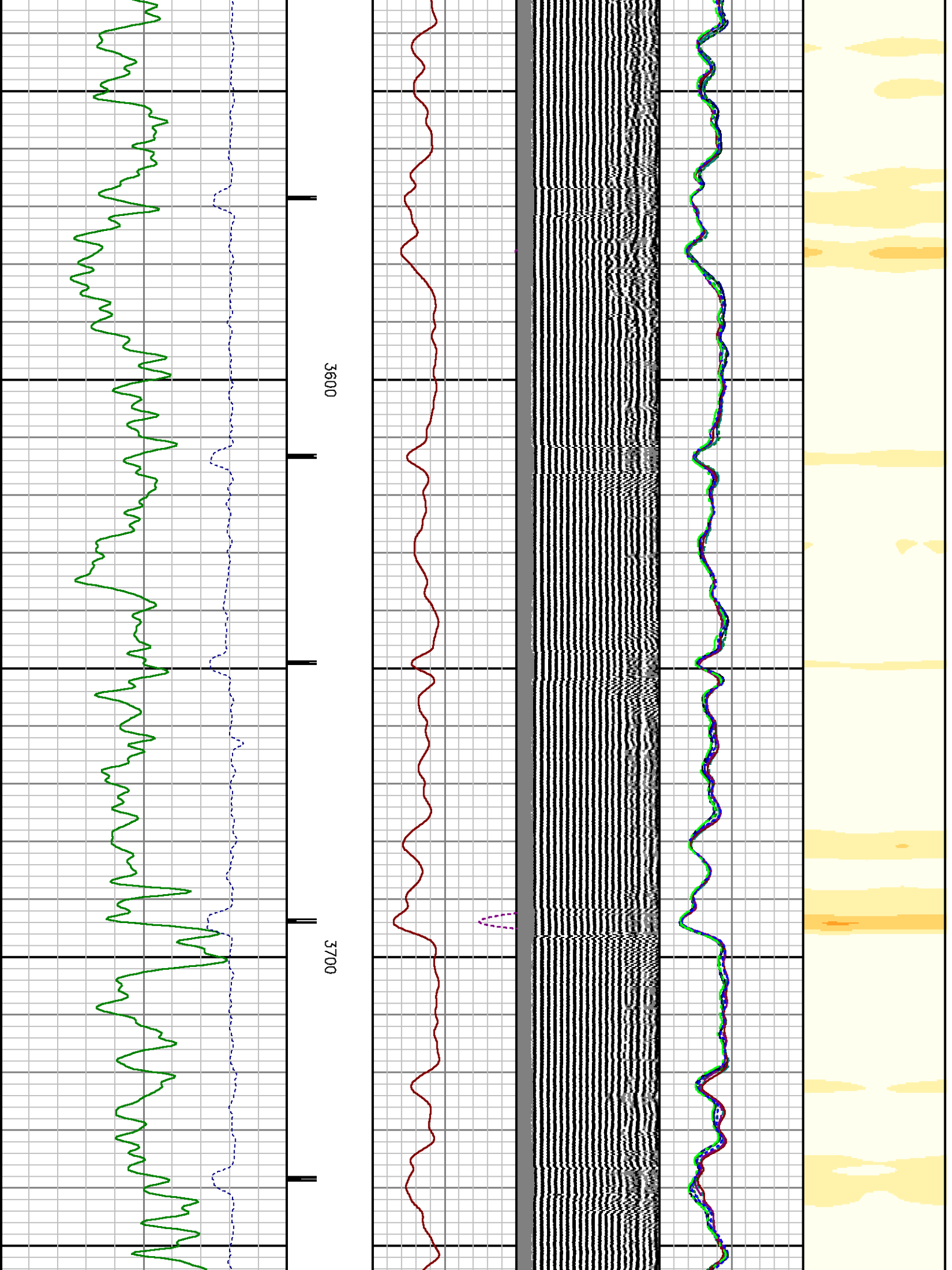


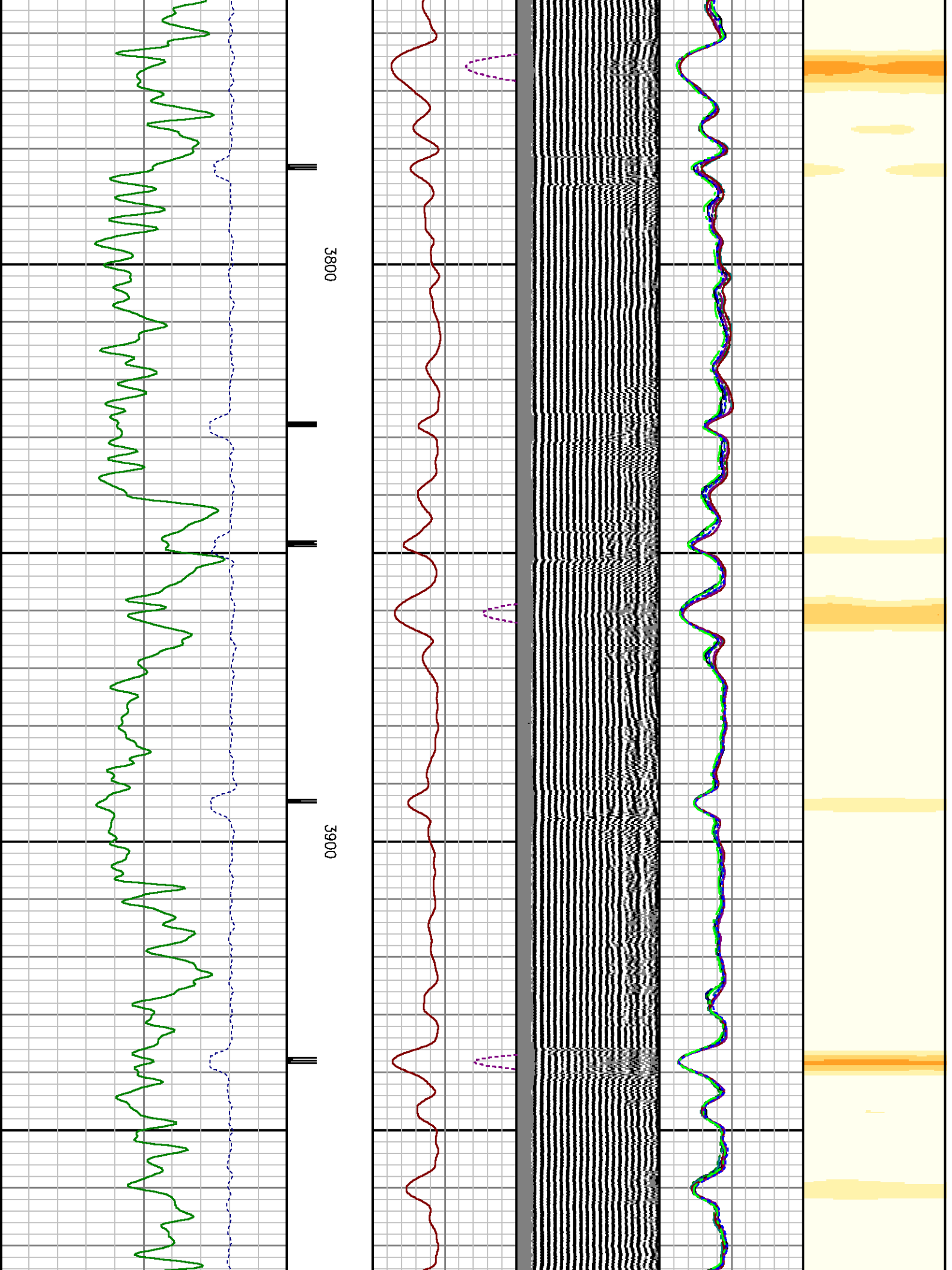


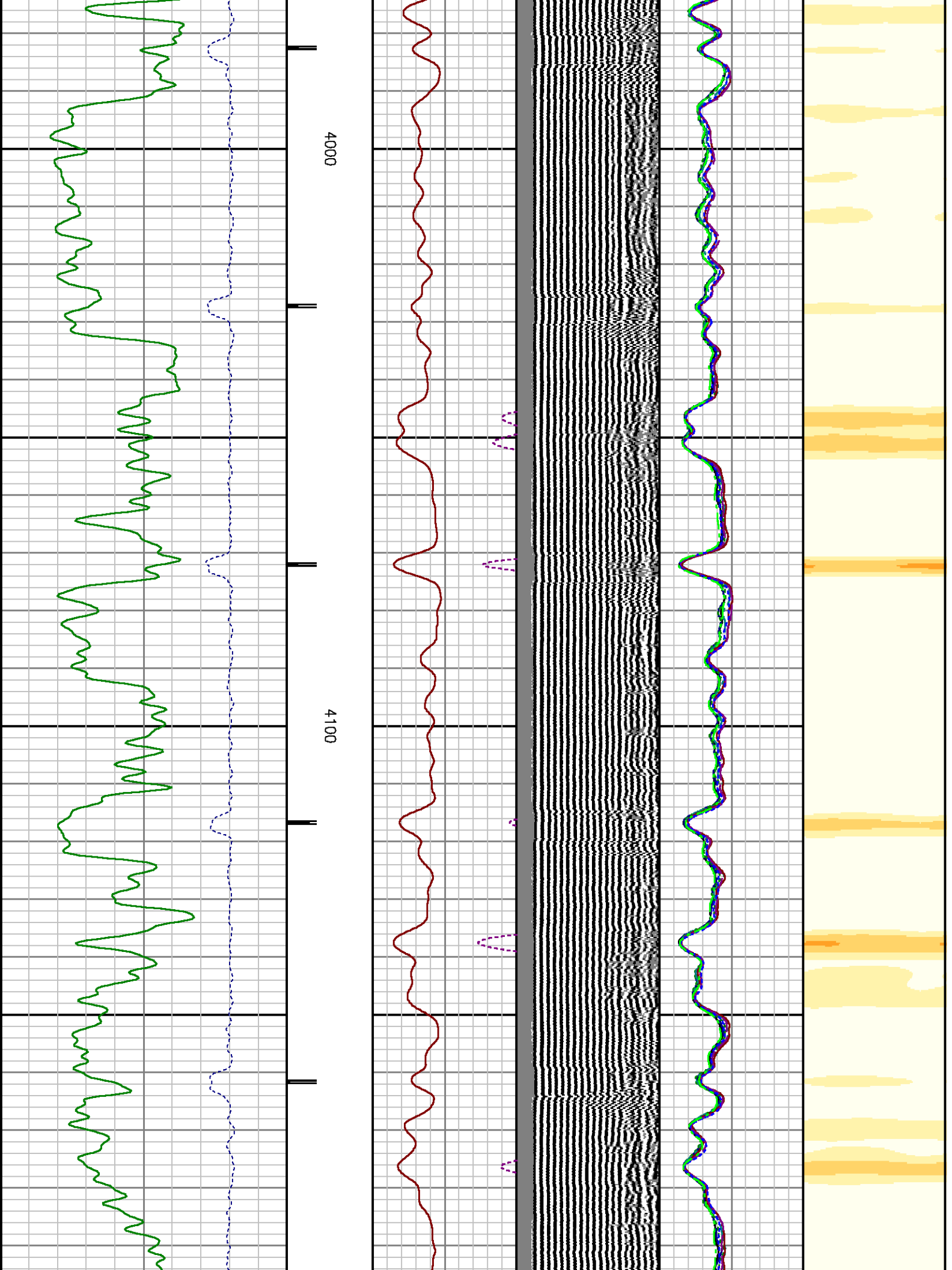




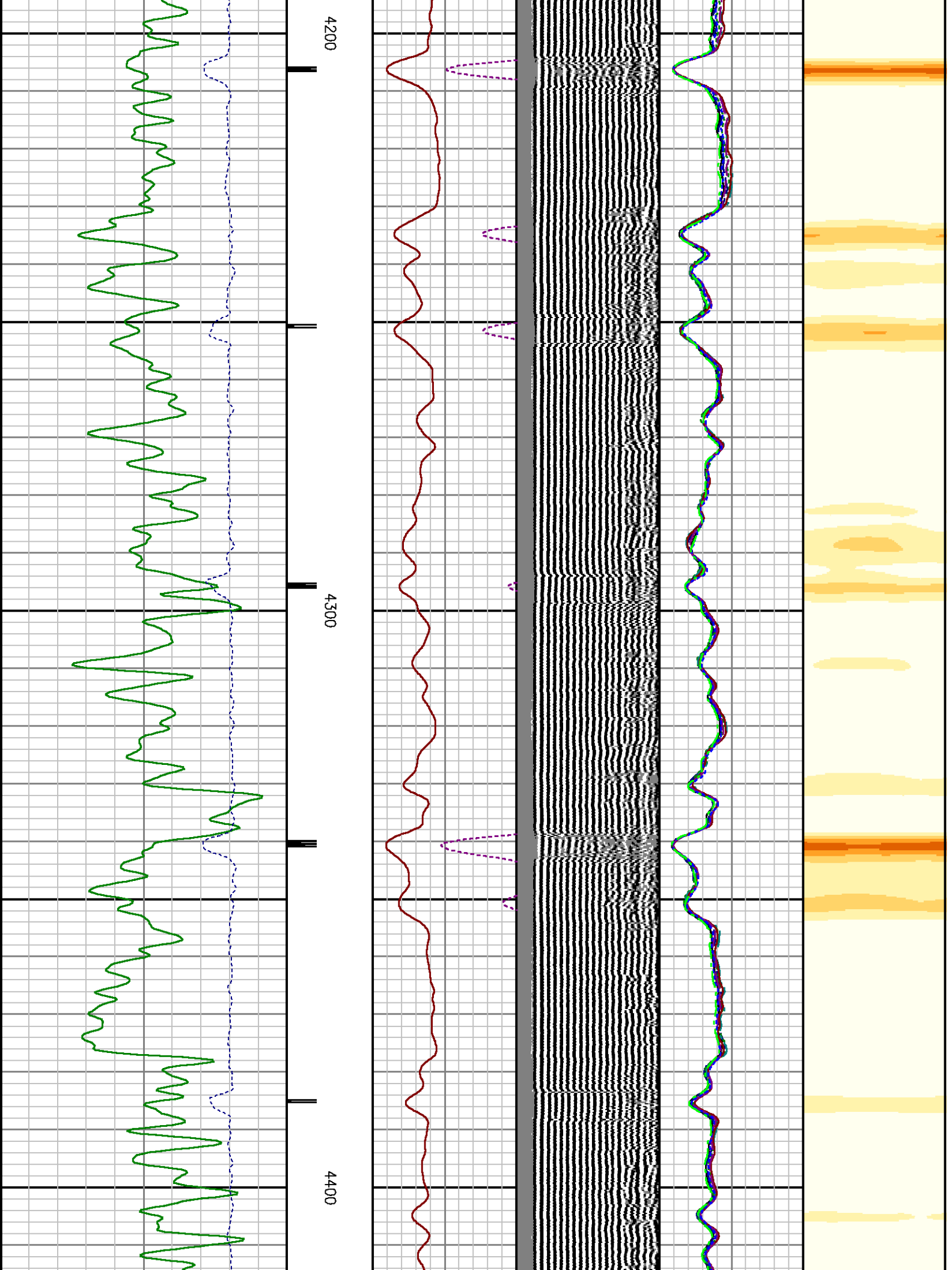




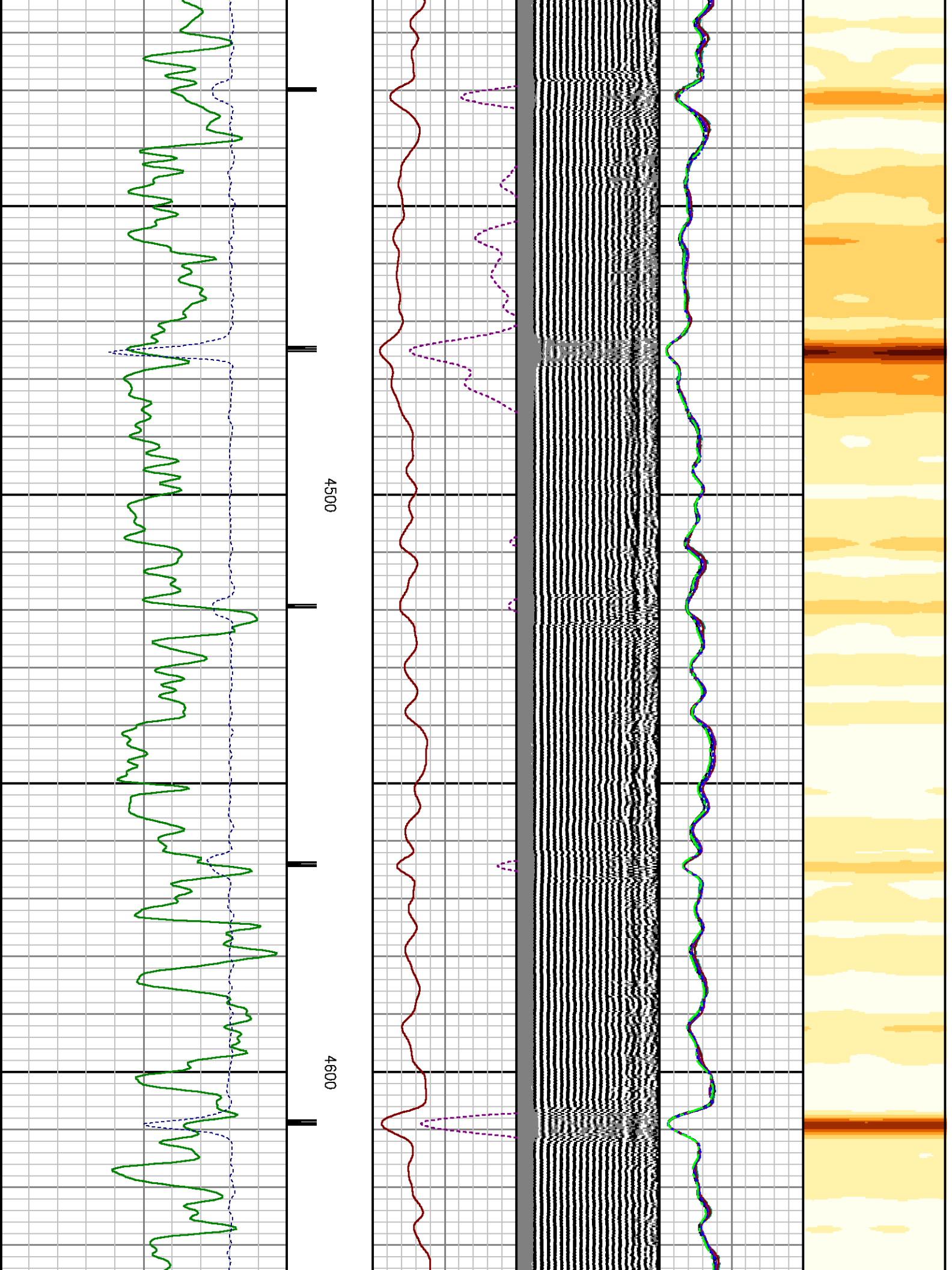


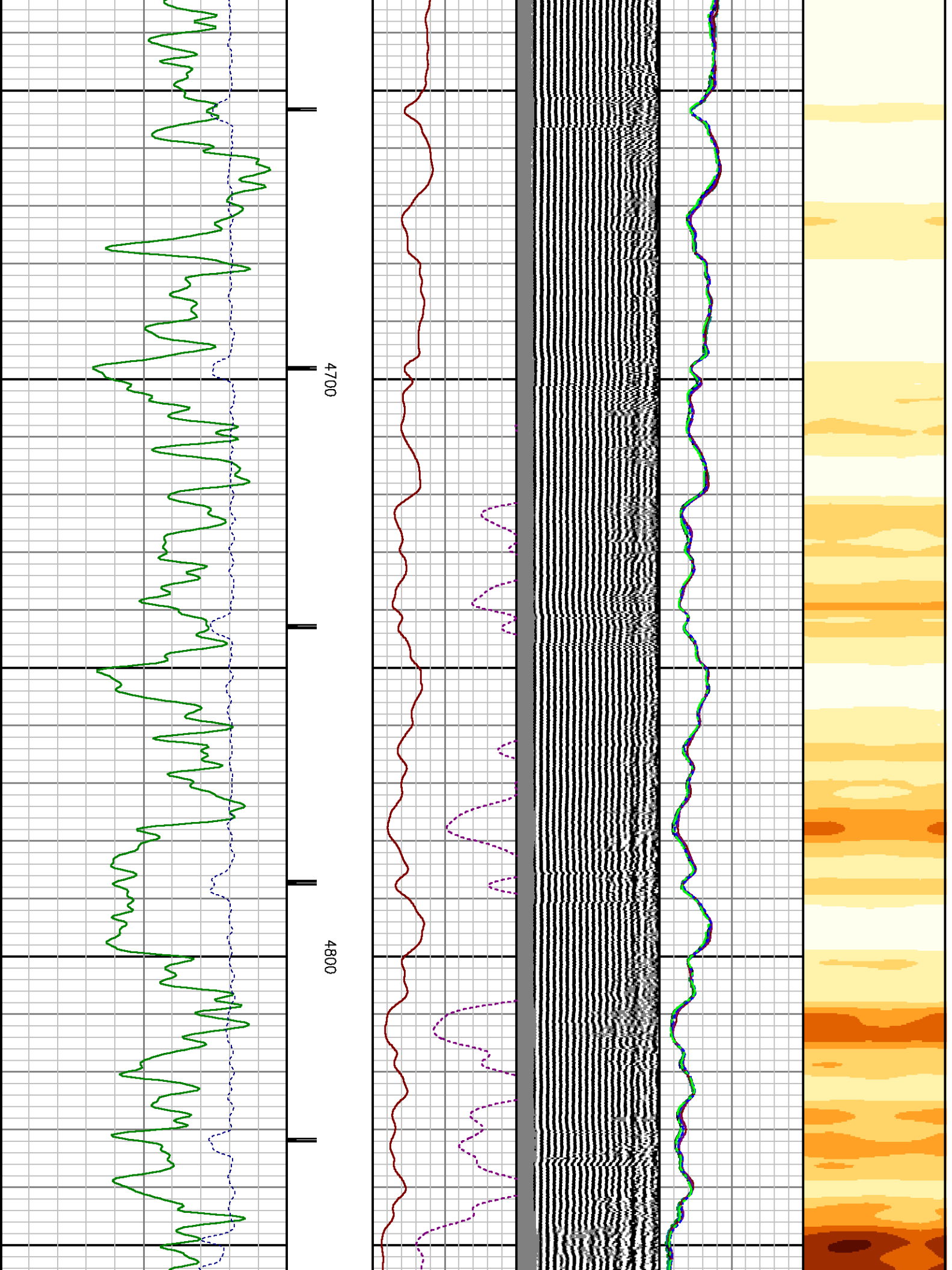


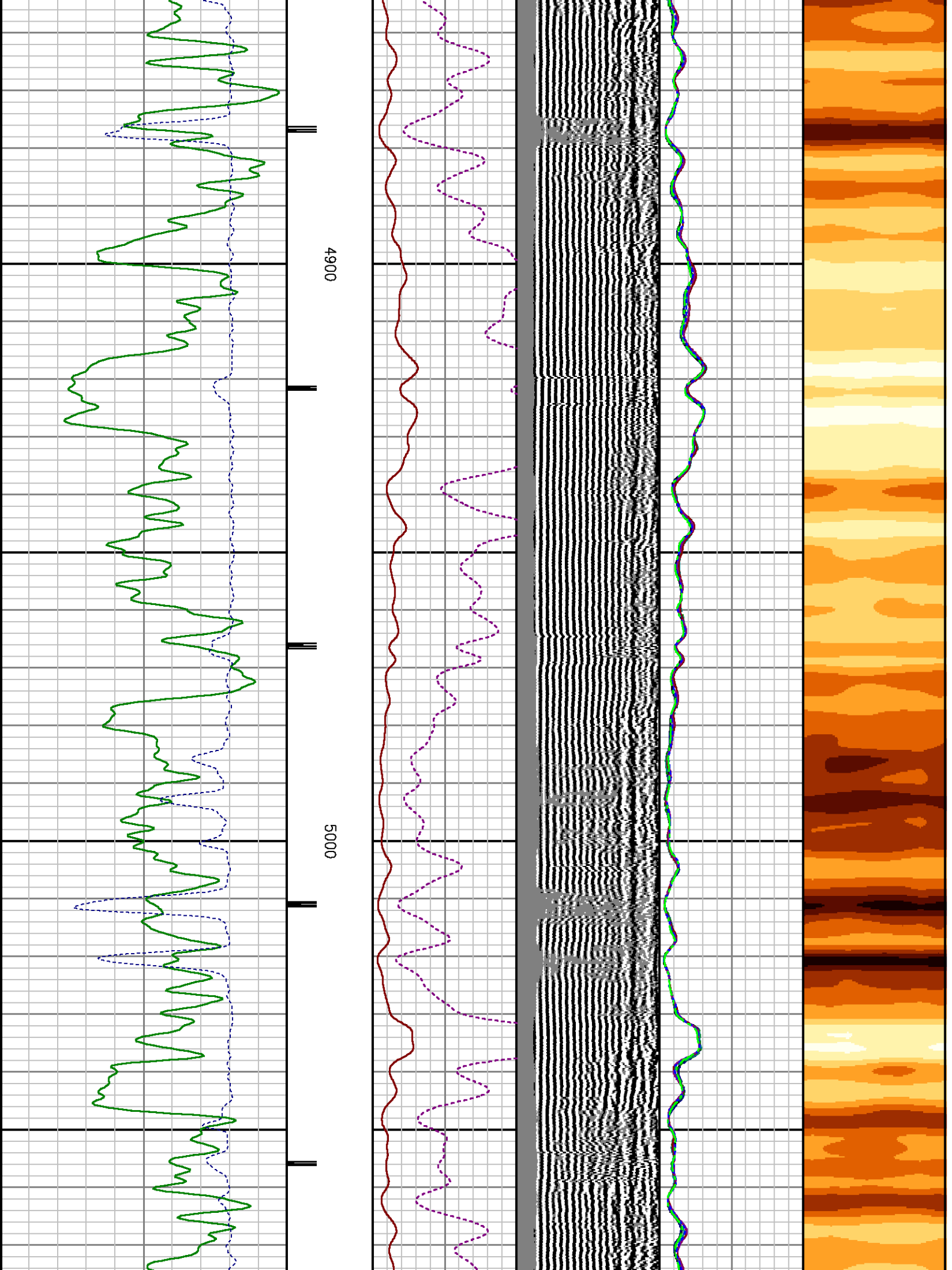


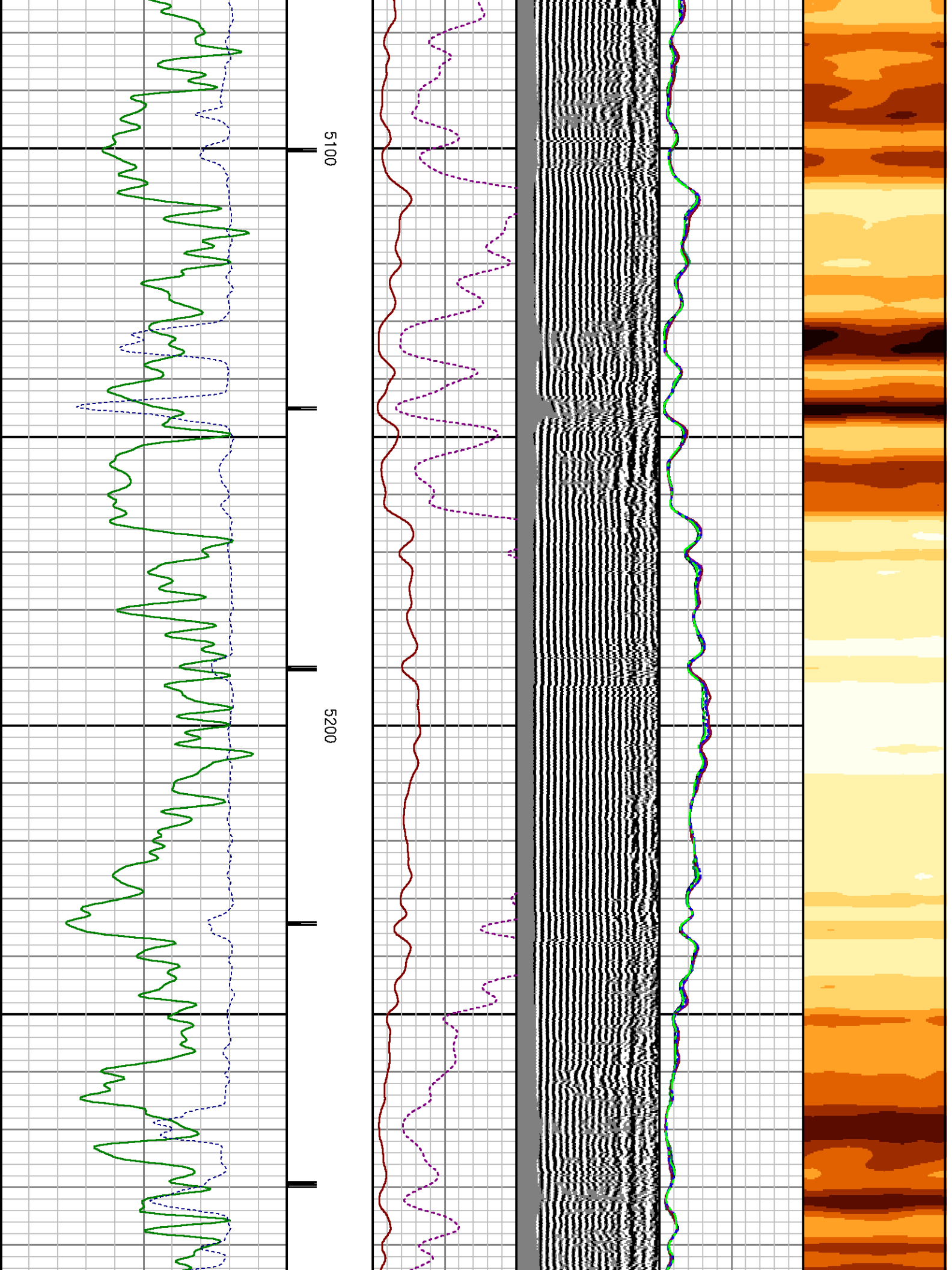


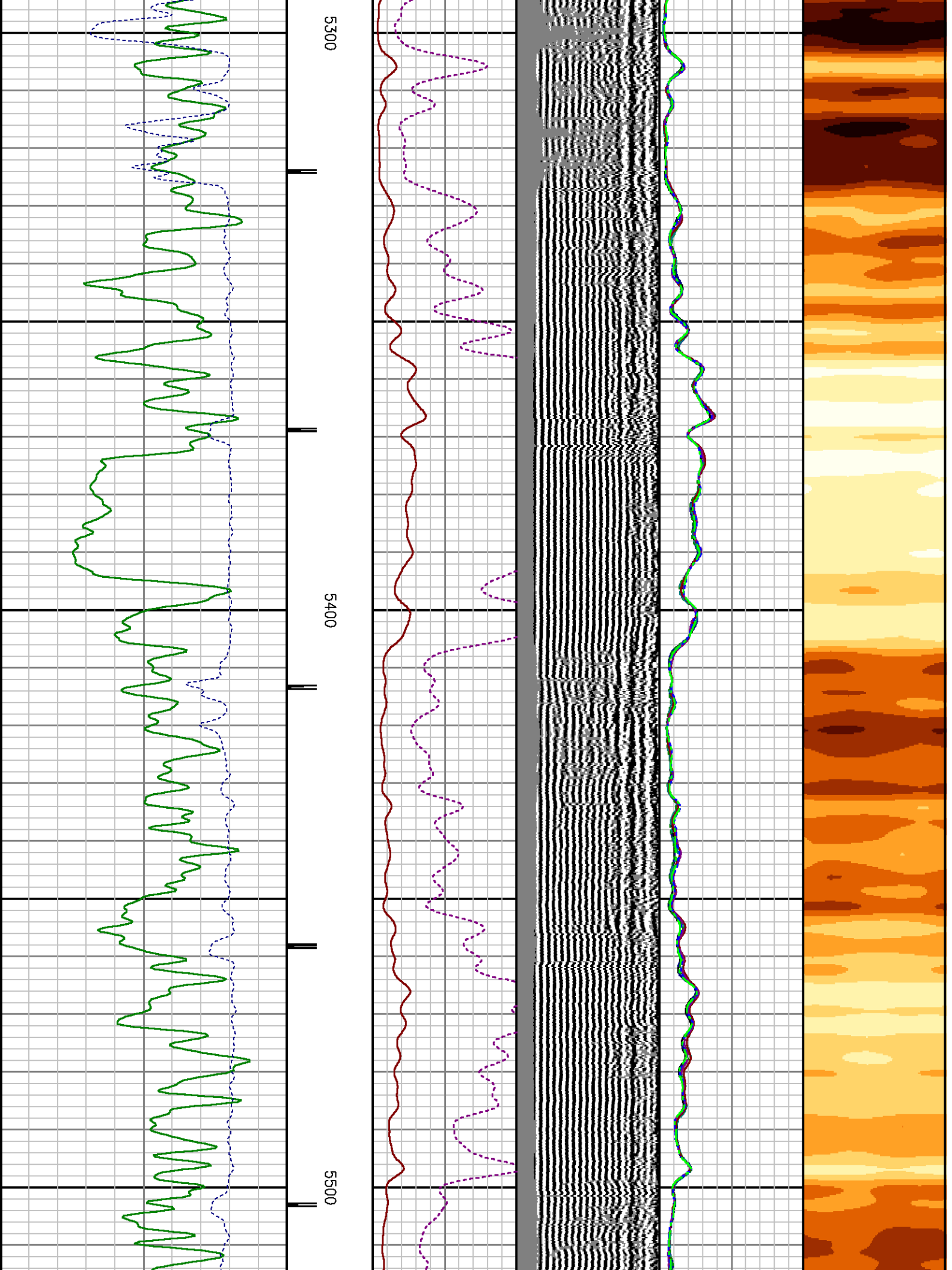




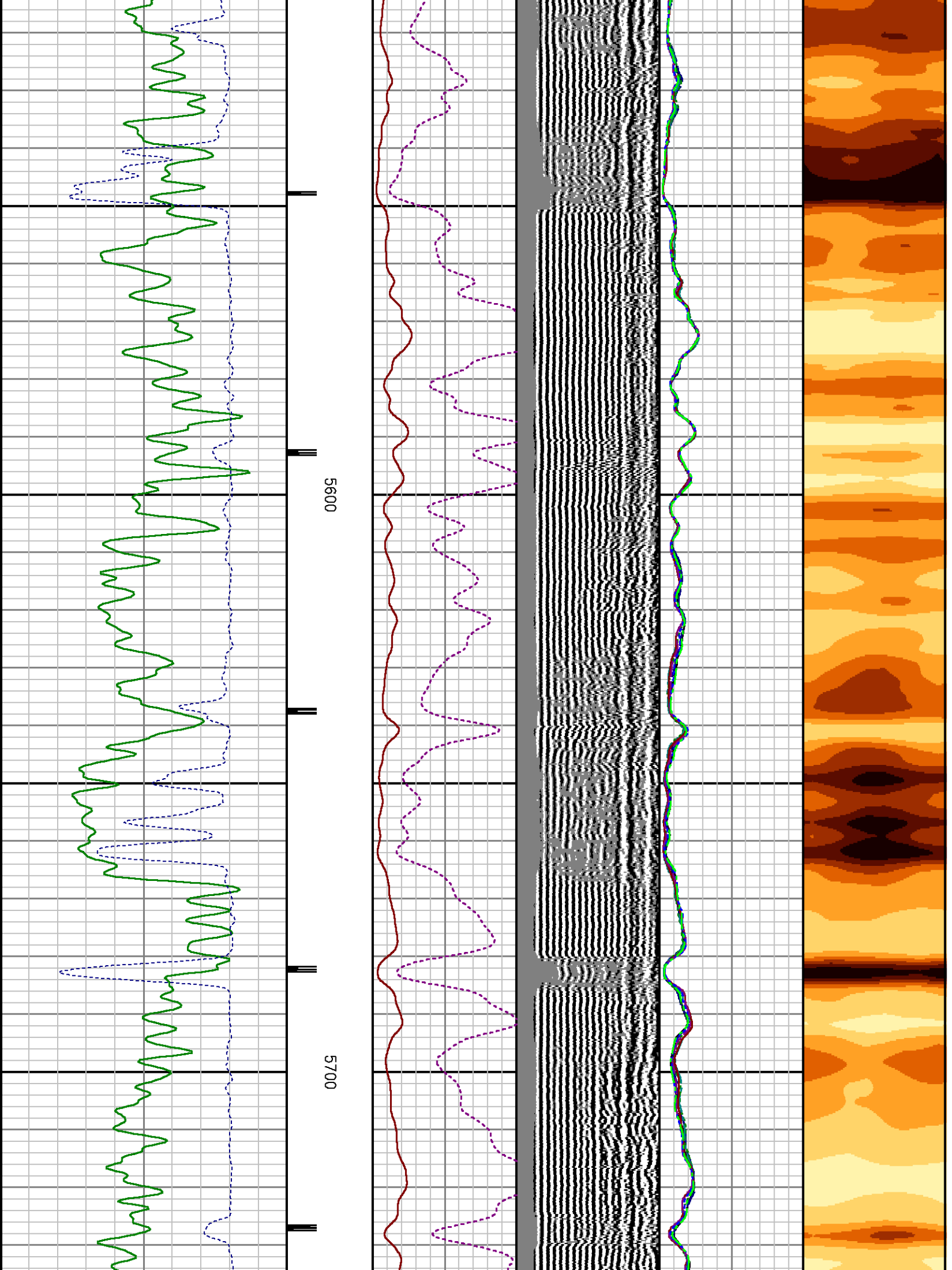




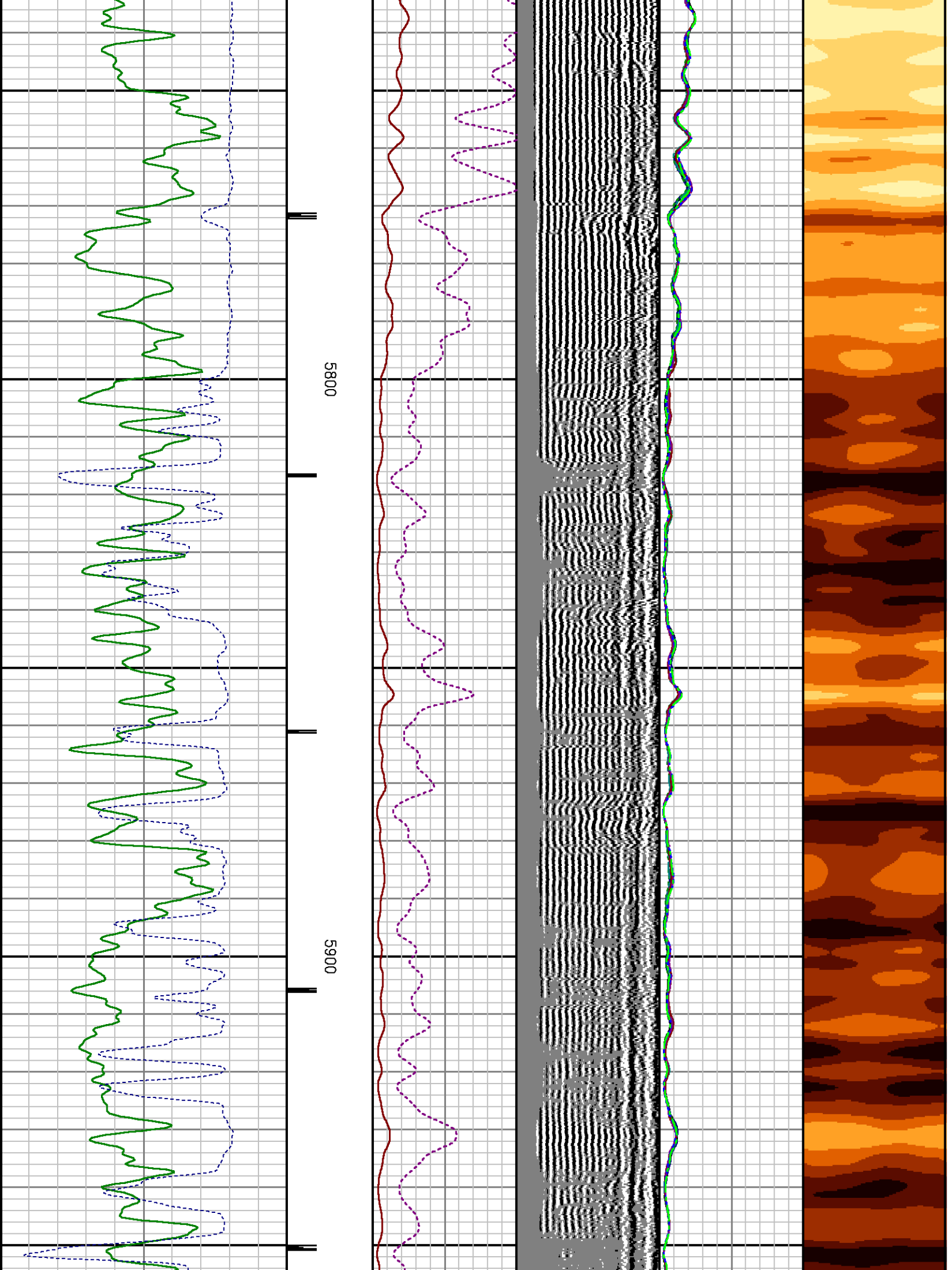


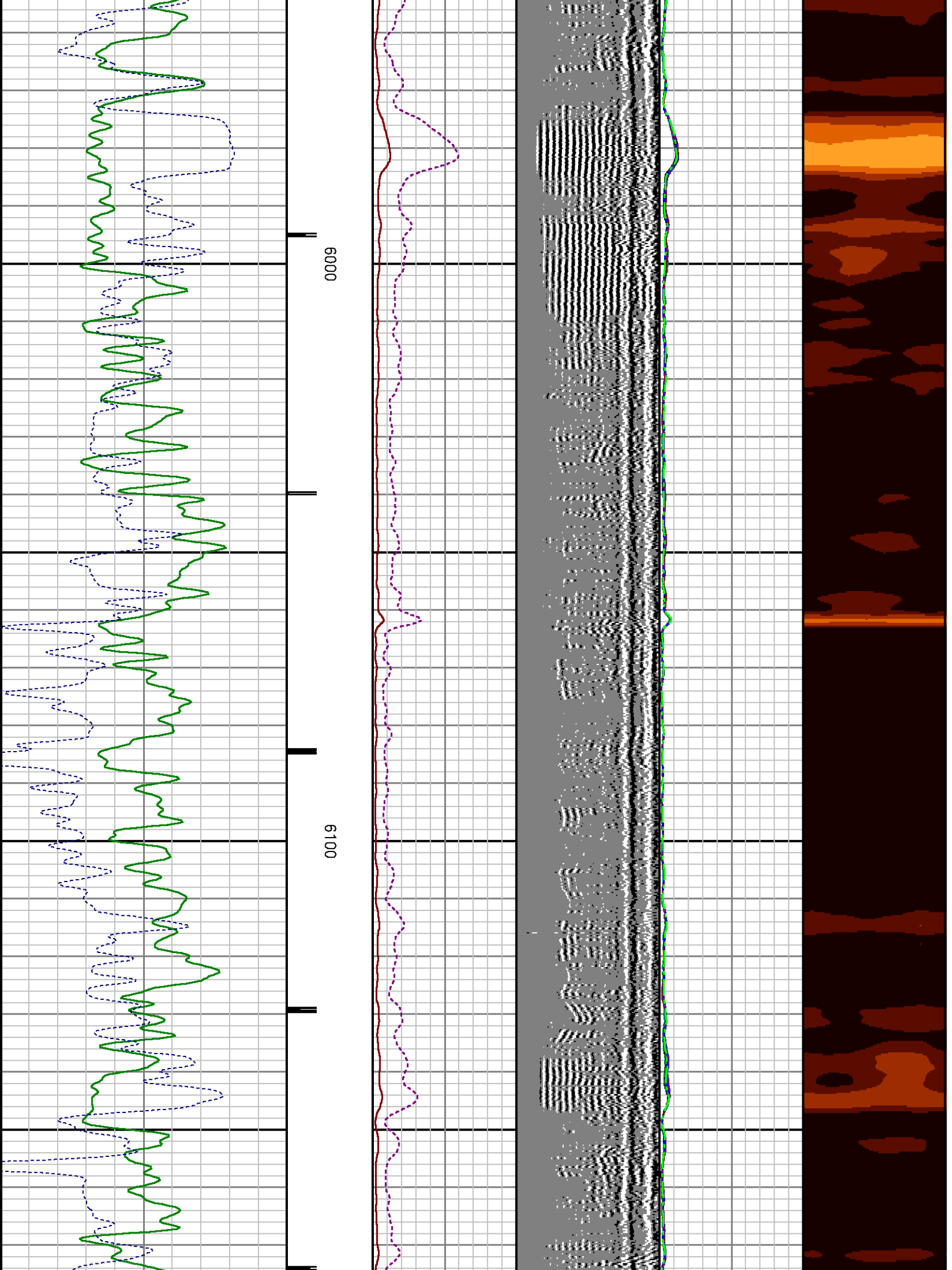


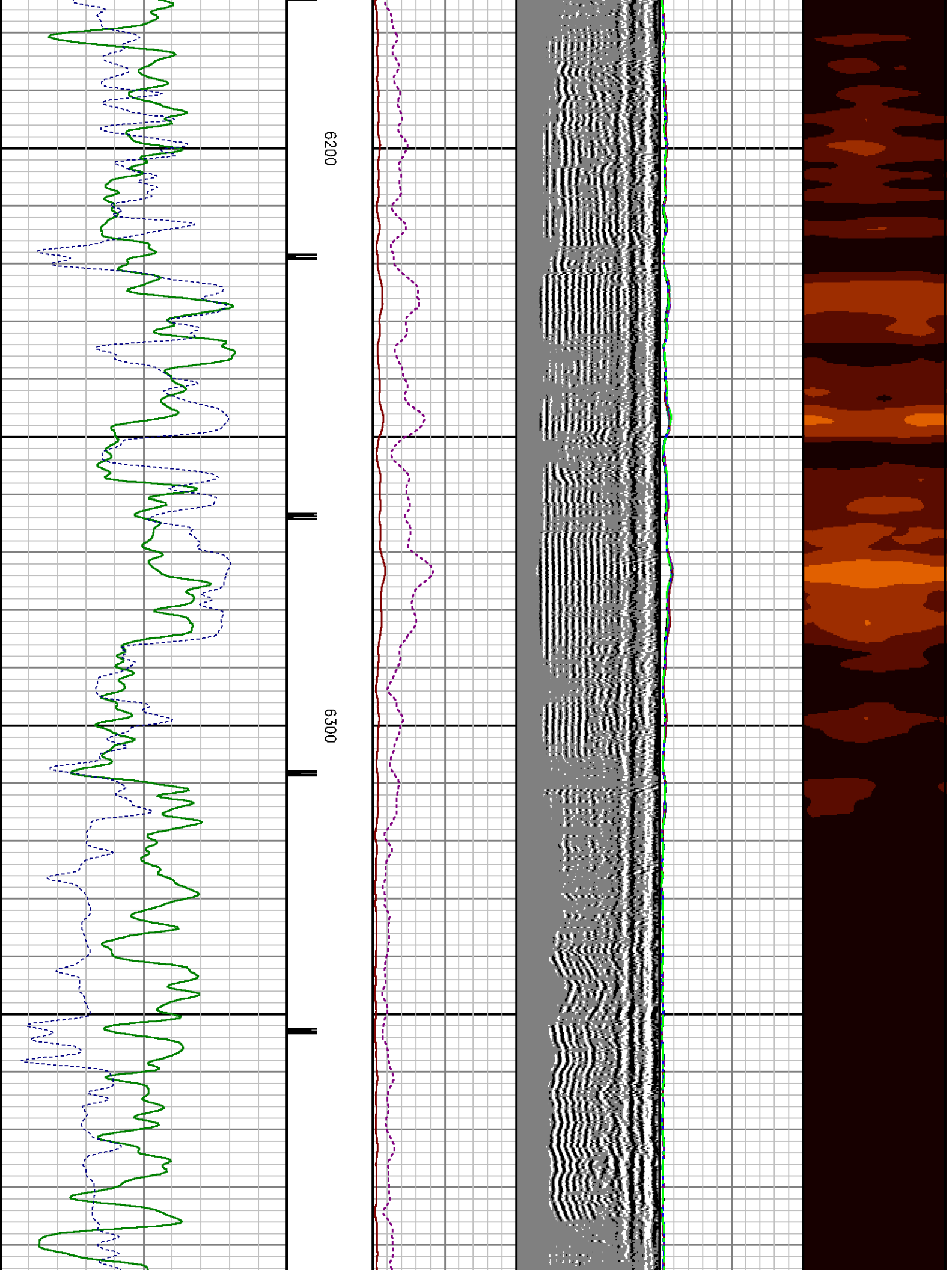


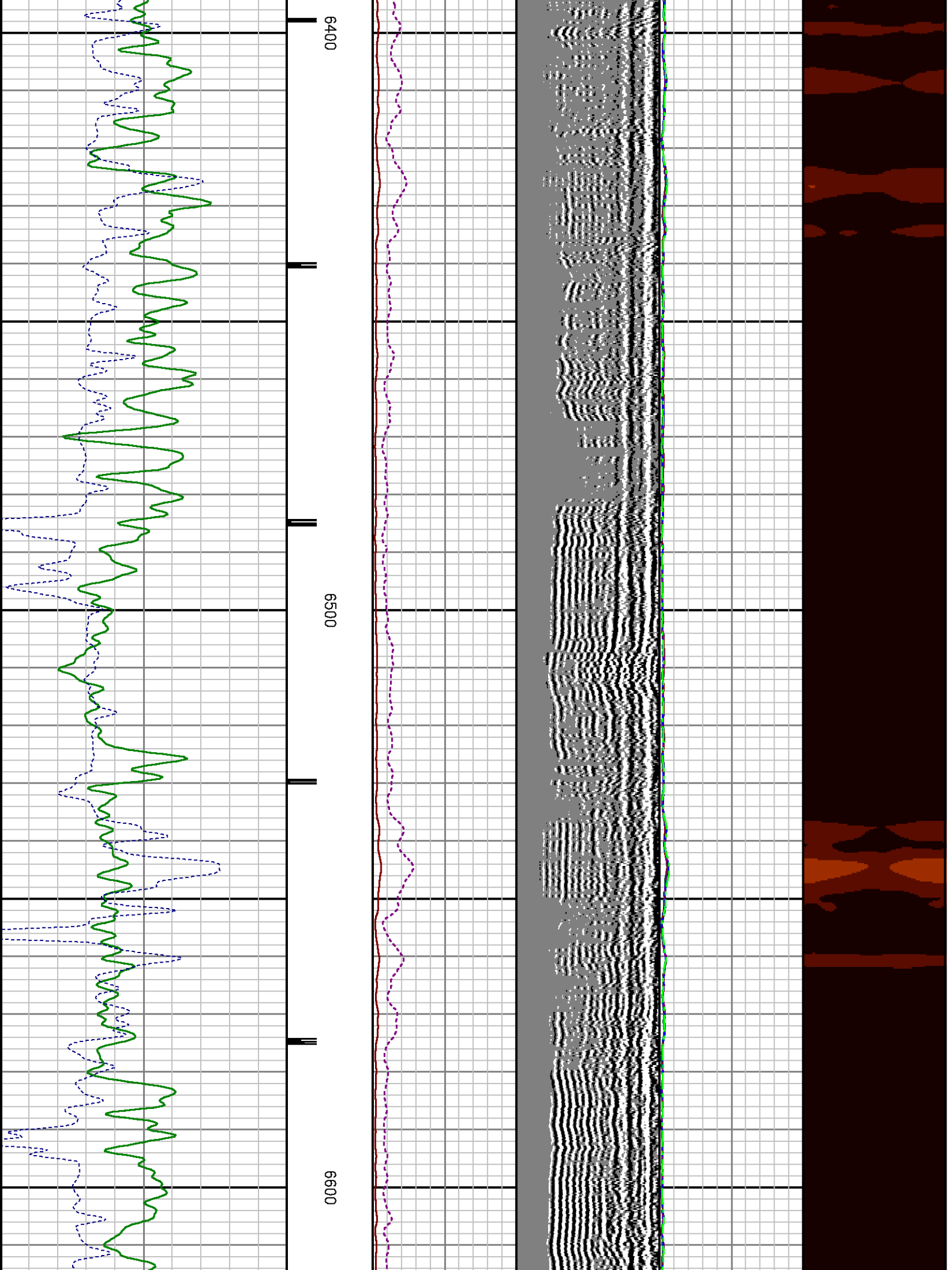


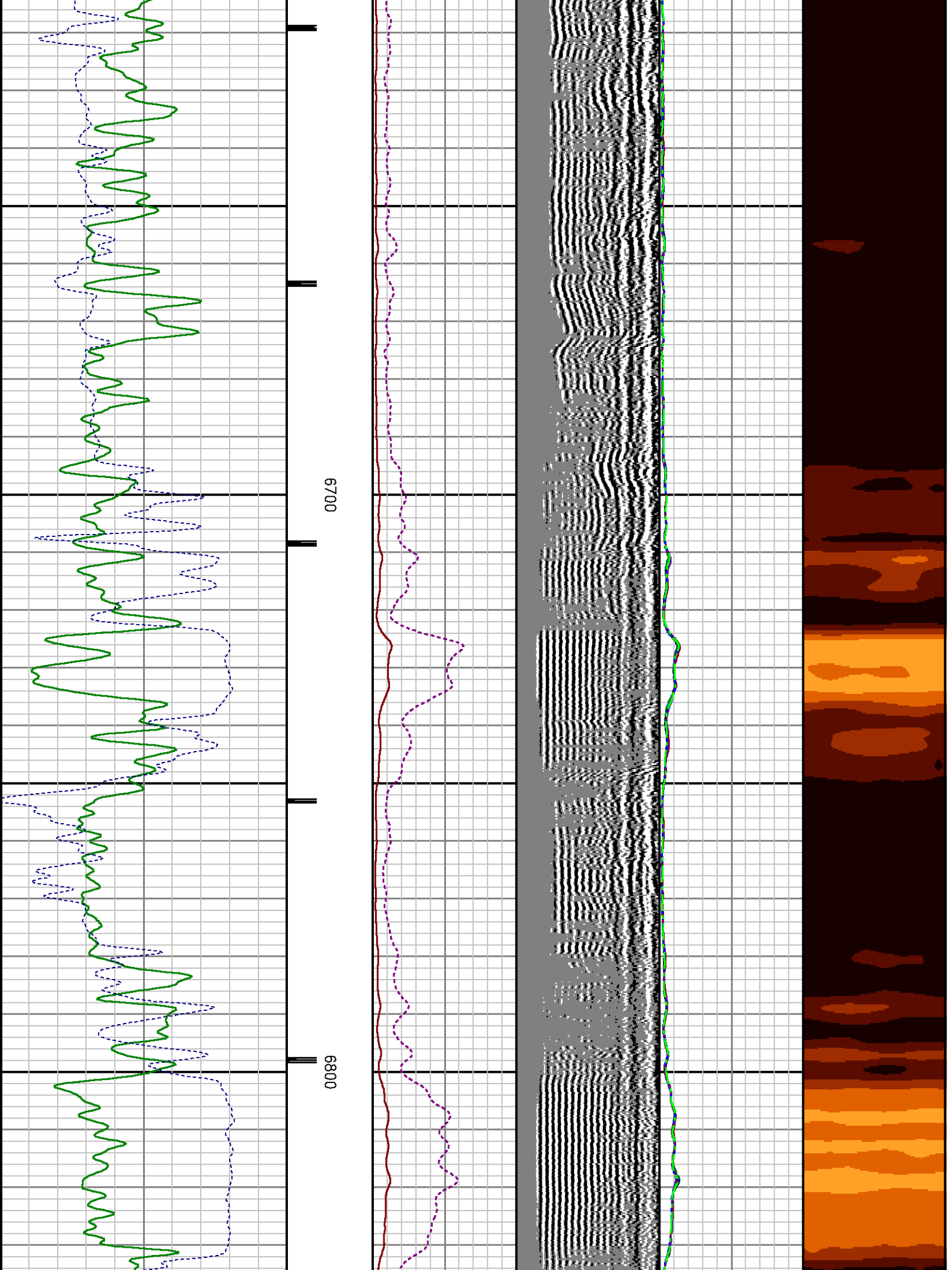


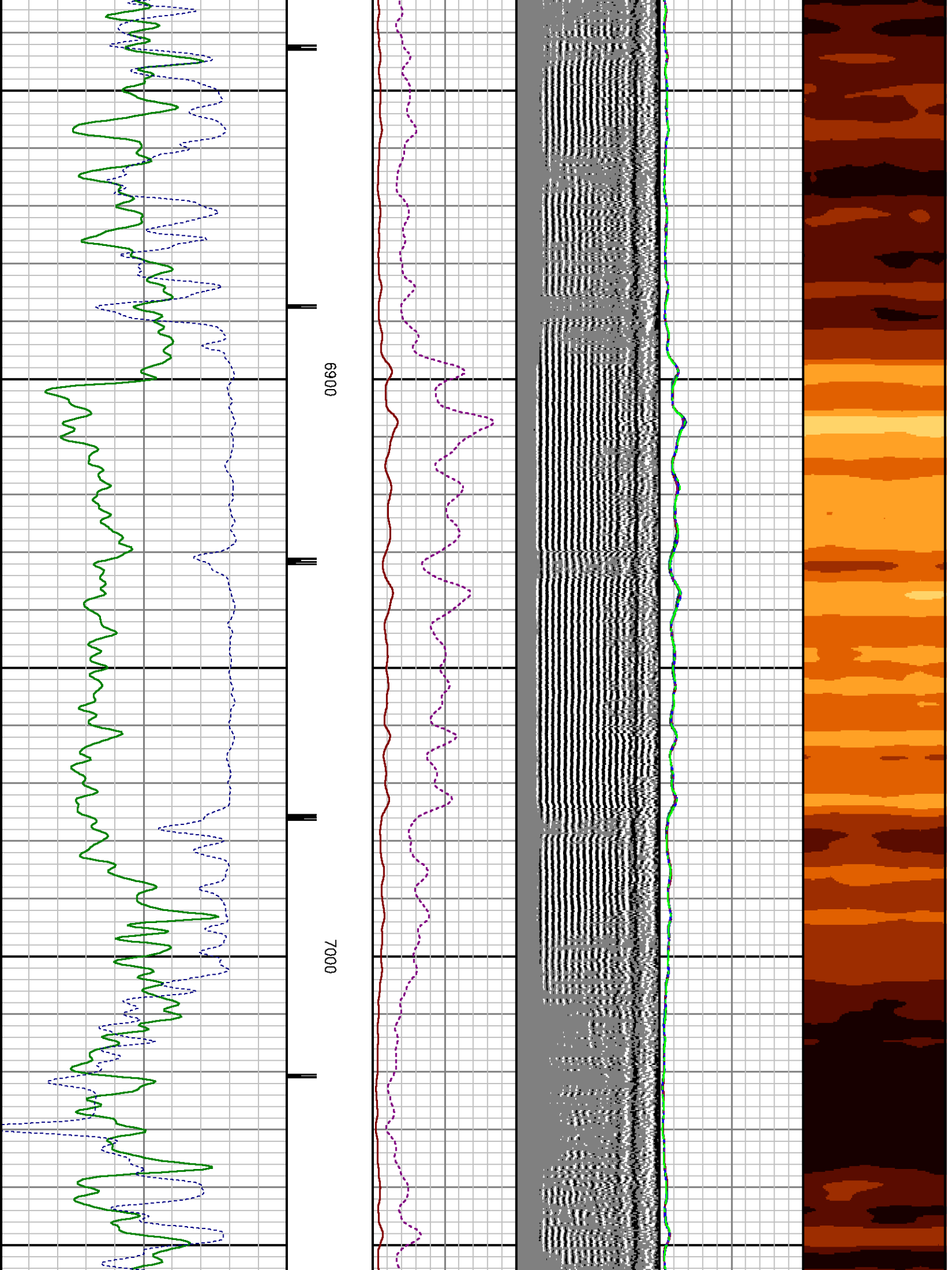




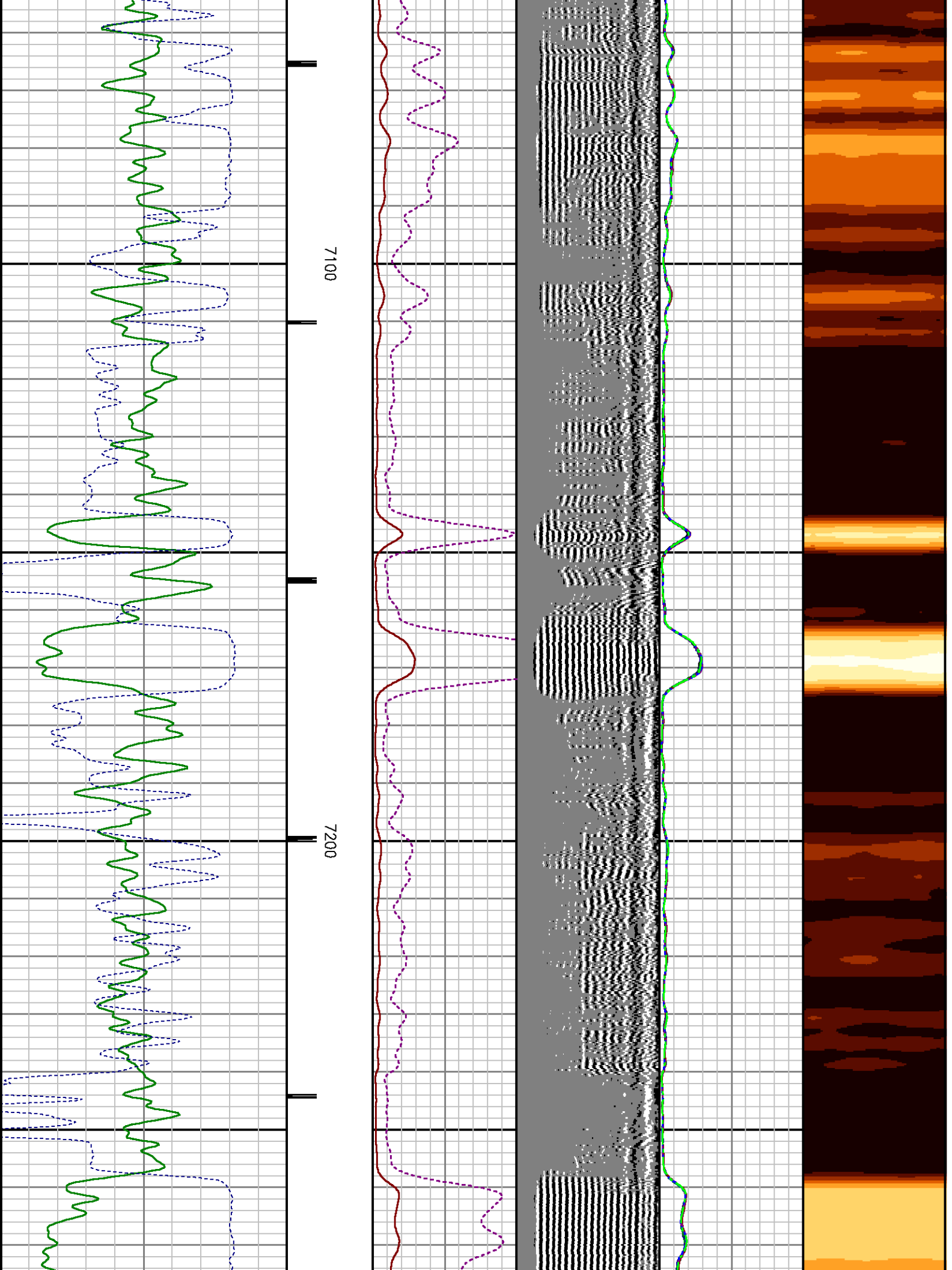


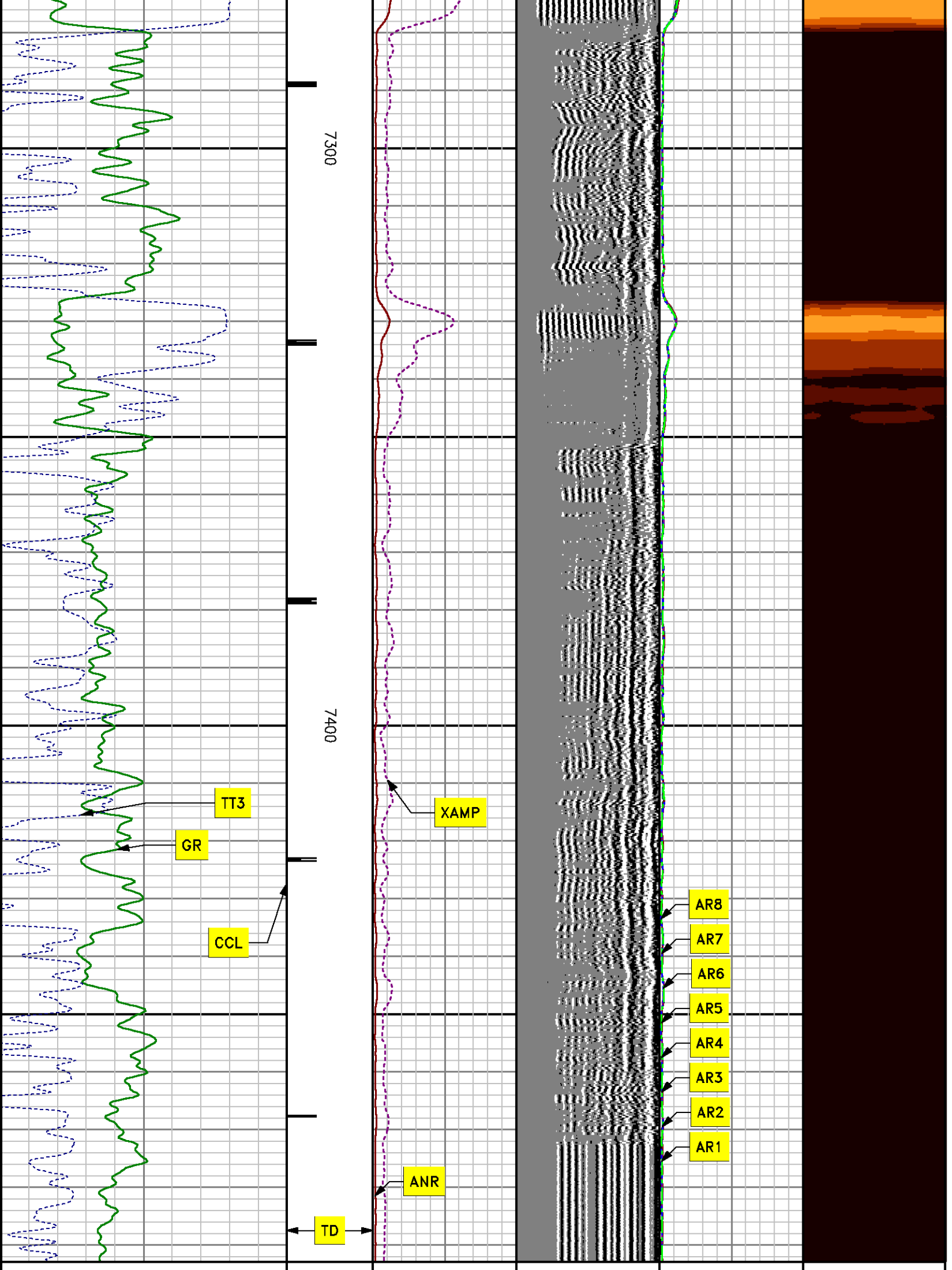


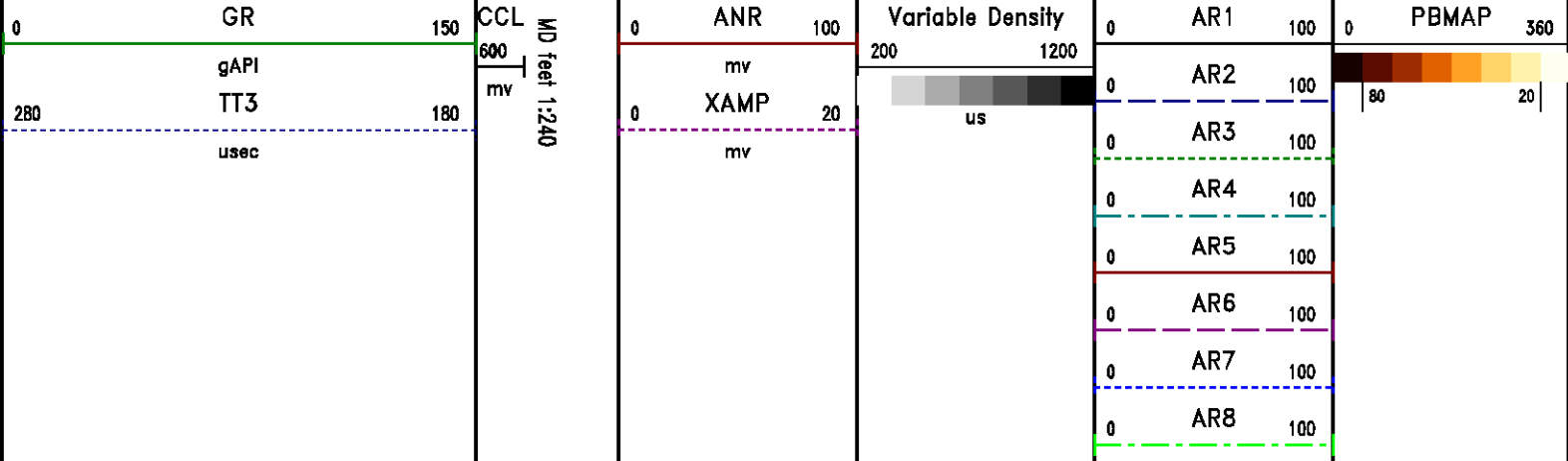












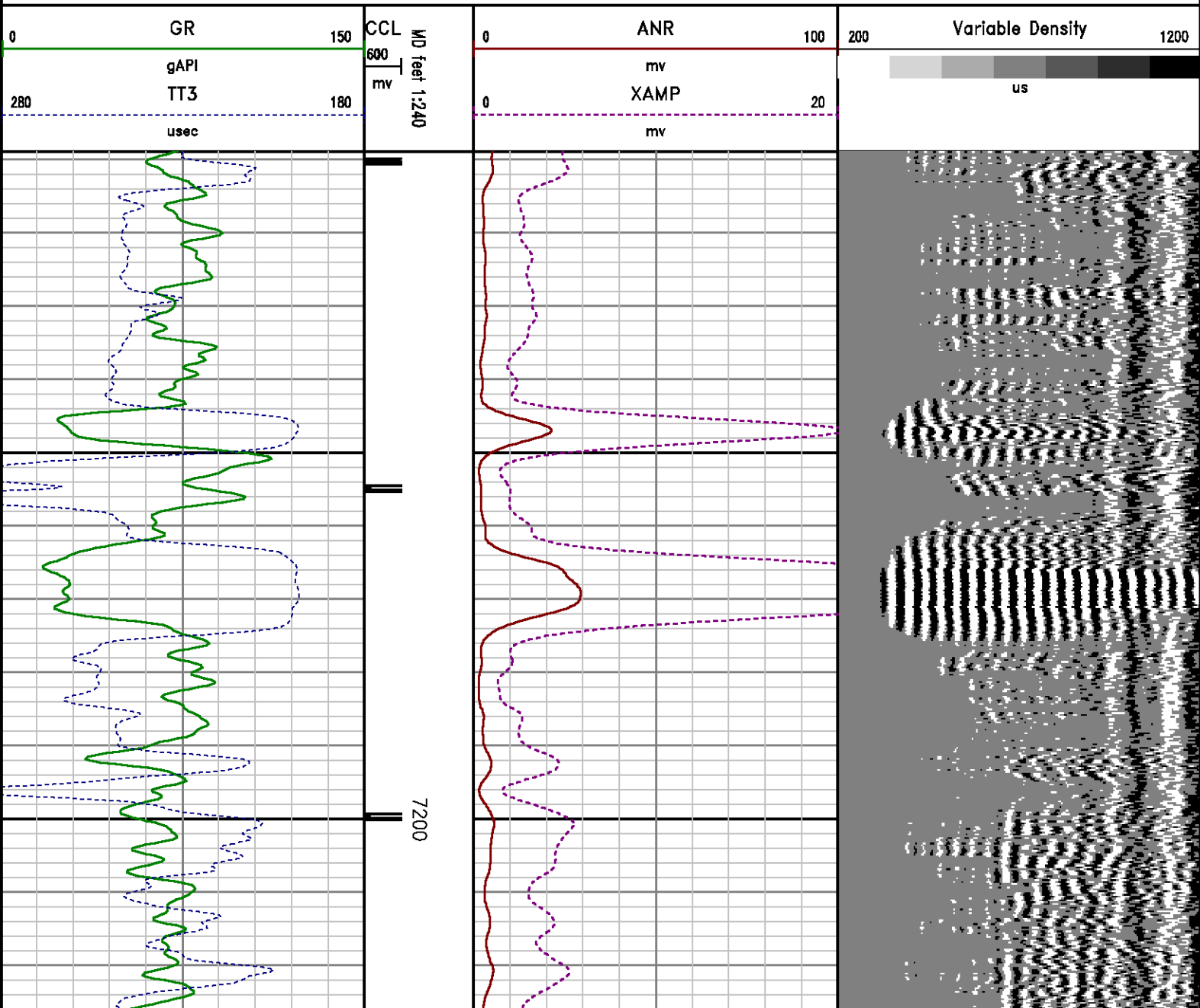
***REPEAT SECTION***  
***0 PSI***

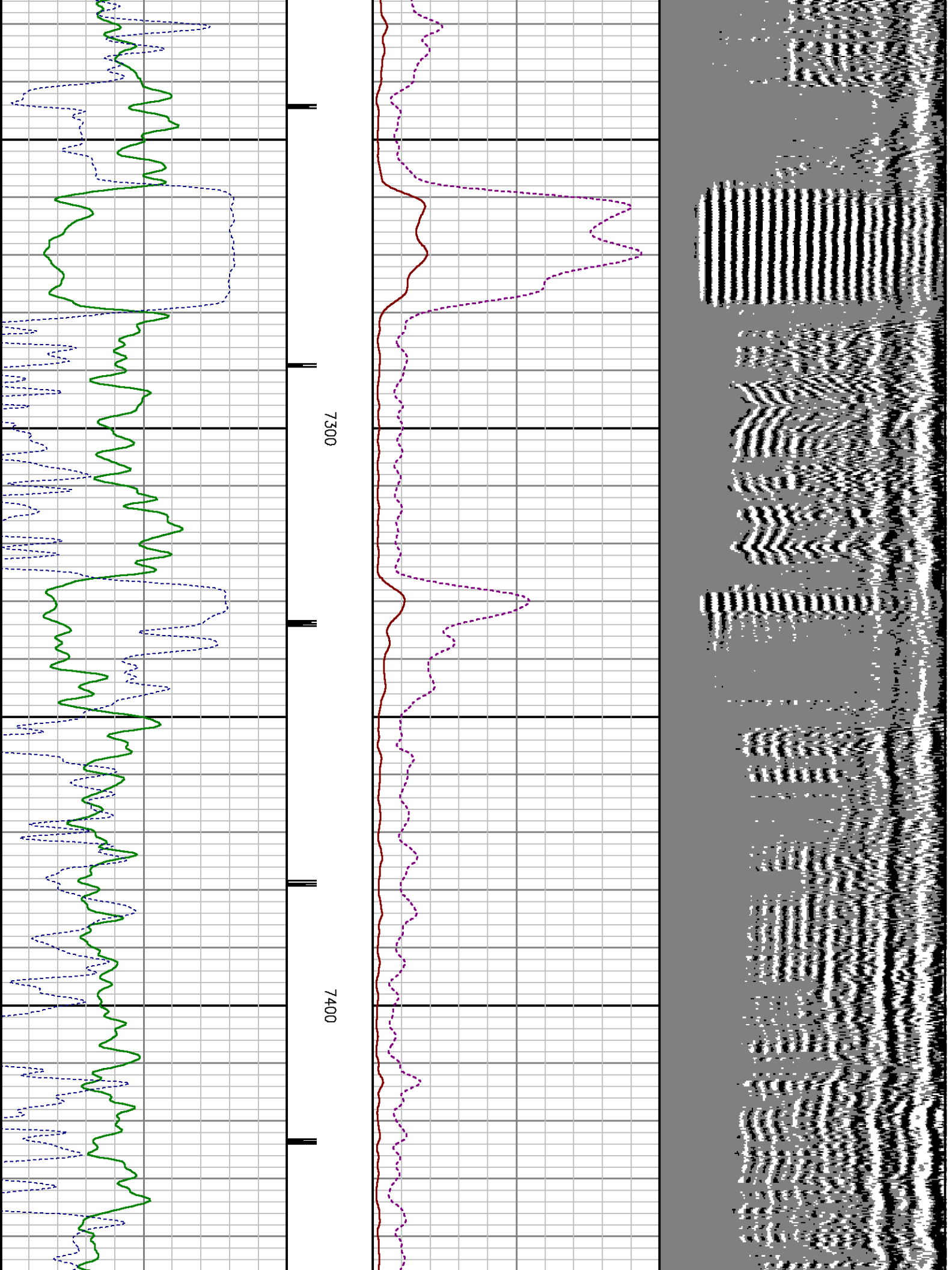
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	7108.766	7508.860
RAL	Amp Gate Start Near	198.000	usec	7108.766	7508.860
RAL	Amp Gate Start Radial	198.000	usec	7108.766	7508.860
RAL	Amp Gate Width Far	25.000	usec	7108.766	7508.860
RAL	Amp Gate Width Near	25.000	usec	7108.766	7508.860
RAL	Amp Gate Width Radial	25.000	usec	7108.766	7508.860
RAL	casing od	4.500	inches	7108.766	7508.860
RAL	casing wt	11.600	lbm/ft	7108.766	7508.860
RAL	FB Start Far	291.900	usec	7108.766	7508.860
RAL	FB Start Near	180.000	usec	7108.766	7508.860
RAL	FB Start Radial	180.000	usec	7108.766	7508.860
RAL	FB Thresh Far	10.000	mv	7108.766	7508.860
RAL	FB Thresh Near	4.000	mv	7108.766	7508.860
RAL	FB Thresh Radial	4.000	mv	7108.766	7508.860
RAL	Fluid Travel Time	200.000	usec/ft	7108.766	7508.859

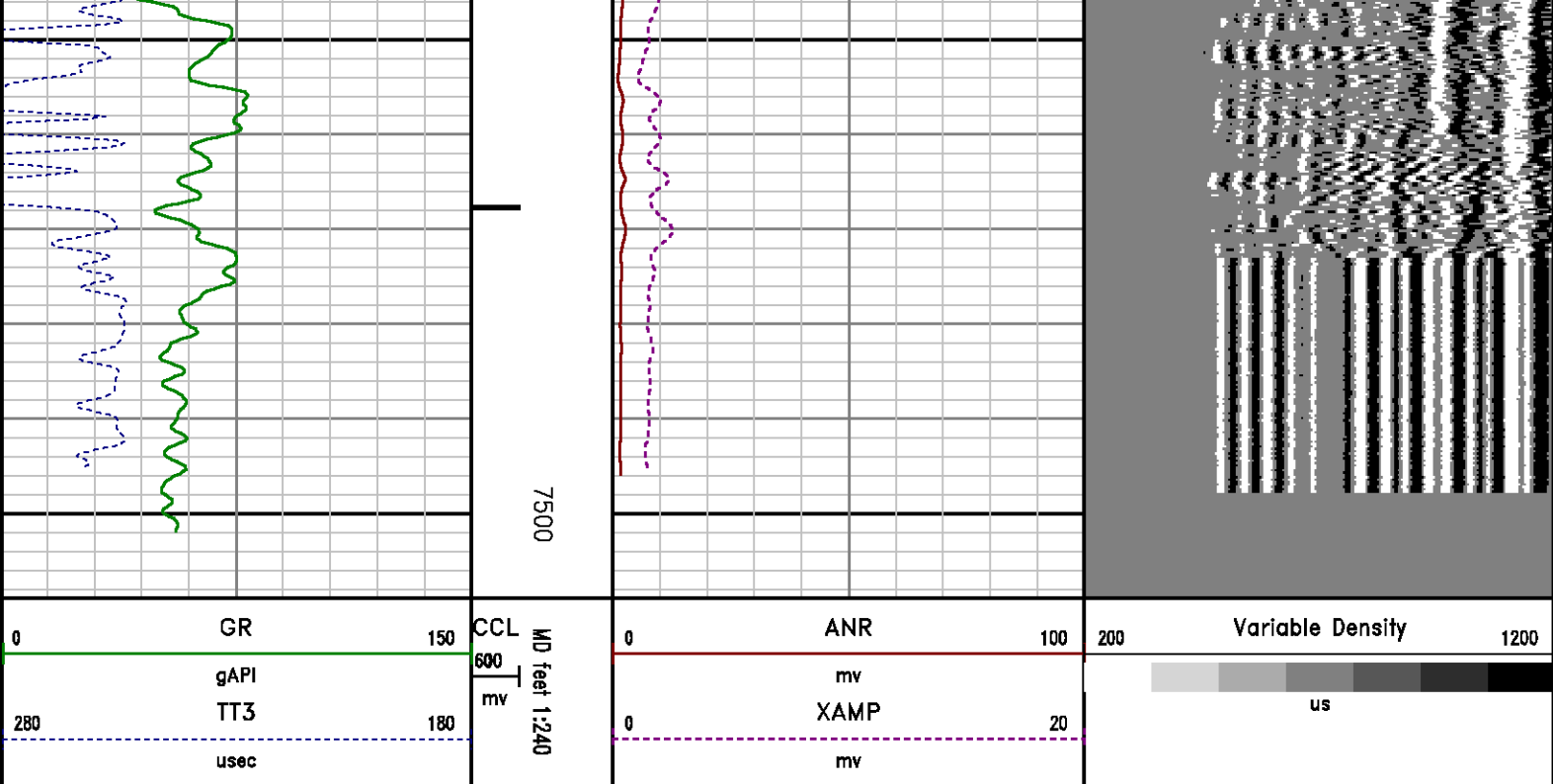
**DEPTH OFFSETS**  
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-12.360	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	-11.360	AFAR	SIG	TT5			
1426XA	-7.250	CCL					
1426XA	-5.390	GR					
1426XA	0.000	NEU					

Created by : RAL, v4.8.007	
Plotted by : PlotMgr, v5.4.504	
Company : WPX ENERGY	
Well : JOLLEY KP 423-8	
File Name : d:\welldata\wpx energy\jolley kp 423-8\rsl423\repeat.xtf	
Mode : PlotMgr 5.4.504	
Interval : 7108.86 - 7508.86 feet UP	
Created : 4/27/2012 9:14:45 AM	







## CALIBRATION SUMMARY

**RALSHP**

Shop Calibration: C:\case\calver\RALSHP\957A\_shp.cal

### SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu Apr 26 10:30:20 2012 TOOL SERIES: 1426XA ASSET: 957 SEQ: A

Tool Delay [usec] -62.00 Tank OD in 5.50 Tank Wt lbm/ft 15.50 Tank ID in 4.95

RECEIVER	Travel Time [usec]	Amp. Gate Start [usec]	Amp. Gate Width [usec]	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Amp Ref. [mV]	Shop Factor
CAL Pulse	219	216	25	166	25	0.941	100.00	0.13
3 Ft. Receiver	219	216	25	152	25	-6.523	100.00	0.12
5 Ft. Receiver	329	323	25	172	25	3.932	100.00	0.10
Radial #1	219	216	25	146	25	-5.000	100.00	0.12
Radial #2	219	216	25	146	25	-3.835	100.00	0.12
Radial #3	219	216	25	146	25	-5.260	100.00	0.12
Radial #4	219	216	25	146	25	-5.317	100.00	0.12
Radial #5	218	216	25	146	25	-5.274	100.00	0.12
Radial #6	217	216	25	146	25	-6.251	100.00	0.12
Radial #7	217	216	25	146	25	-8.118	100.00	0.12
Radial #8	216	216	25	146	25	-7.161	100.00	0.12



# RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\957A fld.cal

## WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu Apr 26 10:31:29 2012 TOOL SERIES: 1426XA ASSET: 957 SEQ: A

Tool Delay [usec] -62.00 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	0.041	0.000	1.00	100.000
3 Ft. Receiver	200	25	0.140			
5 Ft. Receiver	317	25	-0.199			
Radial #1	200	25	0.321			
Radial #2	200	25	0.161			
Radial #3	200	25	0.397			
Radial #4	200	25	0.293			
Radial #5	200	25	0.105			
Radial #6	200	25	0.293			
Radial #7	200	25	0.335			
Radial #8	200	25	0.222			

# GAMMA RAY

Calibration File: C:\case\calver\GR\544A7.cal

## CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sat Apr 07 11:28:55 2012 TOOL SERIES: 2459XA ASSET: 544 SEQ: A7

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	64.36	314.09	0.741	47.67	232.67	185.00

Verification File: C:\case\calver\GR\544A7.VP

## PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED: Sat Apr 07 11:30:48 2012 TOOL SERIES: 2459XA ASSET: 544 SEQ: A7

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	63.73	307.56	0.741	47.21	227.83	180.62

# TOOL DIAGRAM

## OTA SHORT CABLE HEAD

## PROBE 2 3/4 DUAL RECEIVER RADII

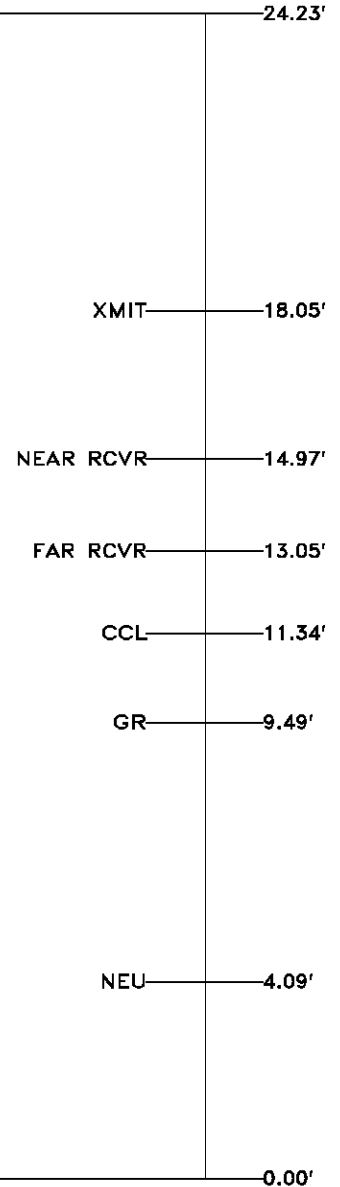
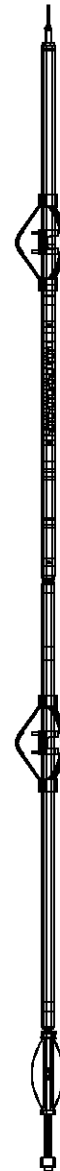
Series 1426XA  
 Mnemonic PROB  
 Diameter 2.75"  
 Length 11.17'  
     Measure Point 0.75' FAR RCVR  
     Measure Point 2.67' NEAR RCVR  
     Measure Point 5.75' XMIT  
 Temp Rating 350.00 °F  
 Press Rating 18000.00 PSI

## 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"



Baker Atlas

Company

WPX ENERGY

Well

JOLLEY KP 423-8

Field

KOKOPELLI

County

GARFIELD

State

COLORADO

Location

SHL: 197' FSL 2312' FWL SECTION 8

Elevations

KB 6552 ft

File No:

CH053547

API No:

05045209960000

8 GS 91W



BHL: 1830' FSL 1986' FWL SECTION 8

SEC 8 TWP 6S RGE 91W

RD 6526 ft

DF

GL 6526 ft

KP 24-8 PAD

NABORS 574