



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No:	Company	WPX ENERGY
CH083733	Well	WPX ENERGY PA 522-2
API No:	Field	PARACHUTE
08045221380000	County	GARFIELD
	State	CO
	Location	Other Services
2 7S 95W GV 88-2 PAD AZTEC 1000	SHL: 2061' FSL & 1542' FWL BHL: 2418' FNL & 2252' FWL	RPM
	SEC 2 TWP 7S RGE 95W	
Permanent Datum	GL	Elevation
Log Measured From	KB	25 ft
Drill Measured From	KB	Above P. D.
		Elevations
		KB 5845 ft
		DF
		GL 5821 ft

Date	10/MAR/14
Run	ONE
Service Order	US625357
Depth Driller	7702 ft
Depth Logger	7666 ft
Bottom Logged Interval	7656 ft
Top Logged Interval	25 ft
Time Started	8:00
Time Finished	11:00
Operator Rig Time	3 HOURS
Type of Fluid in Hole	WATER
Fluid Density	NA
Salinity	NA
Fluid Level	86 ft
Logged Cement Top	NA
Wellhead Pressure	0 psi
Maximum Hole Deviation	NA
Nominal Logging Speed	65 fpm
Maximum Recorded Temperature	220 degF
Reference Log	NA
Reference Log Date	NA
Equipment No.	4271
Location	GRAND JCT.
Recorded By	NEWELL
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	872 ft
8.75 In	872 ft	7724 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In			0 ft	872 ft
4.5 In	11.6 lbm/ft	1-80	0 ft	7724 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 = 220 °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	34.156	7667.250
RAL	Amp Gate Start Near	195.000	usec	34.156	7667.250
RAL	Amp Gate Start Radial	195.000	usec	34.156	7667.250
RAL	Amp Gate Width Far	25.000	usec	34.156	7667.250
RAL	Amp Gate Width Near	25.000	usec	34.156	7667.250
RAL	Amp Gate Width Radial	25.000	usec	34.156	7667.250
RAL	casing od	4.500	inches	34.156	7667.250
RAL	casing wt	11.600	lbm/ft	34.156	7667.250
RAL	FB Start Far	291.900	usec	34.156	7667.250
RAL	FB Start Near	175.391	usec	34.156	7667.250
RAL	FB Start Radial	175.391	usec	34.156	7667.250
RAL	FB Thresh Far	10.000	mv	34.156	7667.250
RAL	FB Thresh Near	4.000	mv	34.156	7667.250
RAL	FB Thresh Radial	4.000	mv	34.156	7667.250
RAL	Fluid Travel Time	200.000	usec/ft	34.156	7667.000

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	TTD1	TTD2	TTD3

1426XA -15.750
2459XA -11.340
2459XA -9.490
2459XA -4.090

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

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

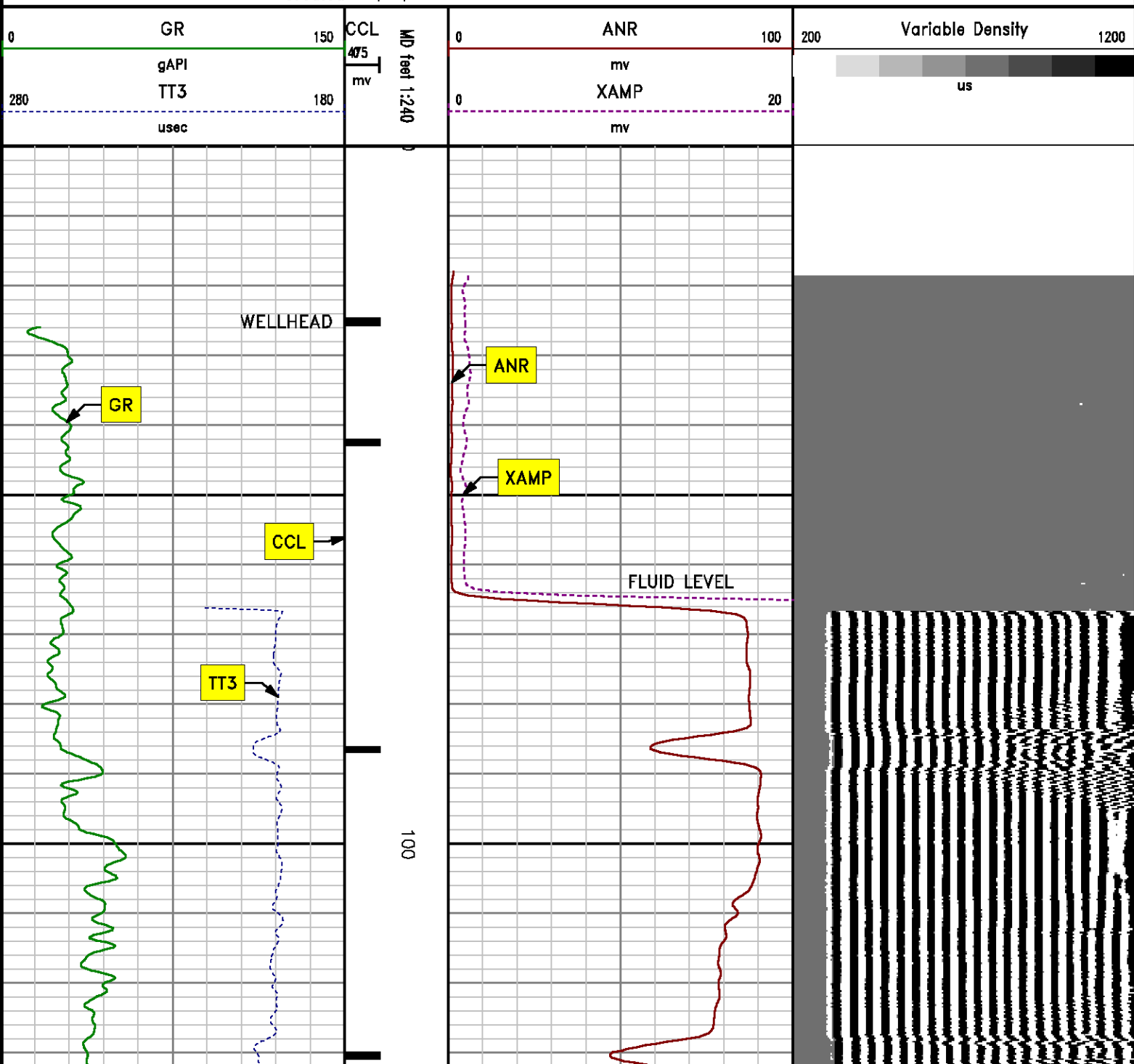
Well : WPX ENERGY PA 522-2

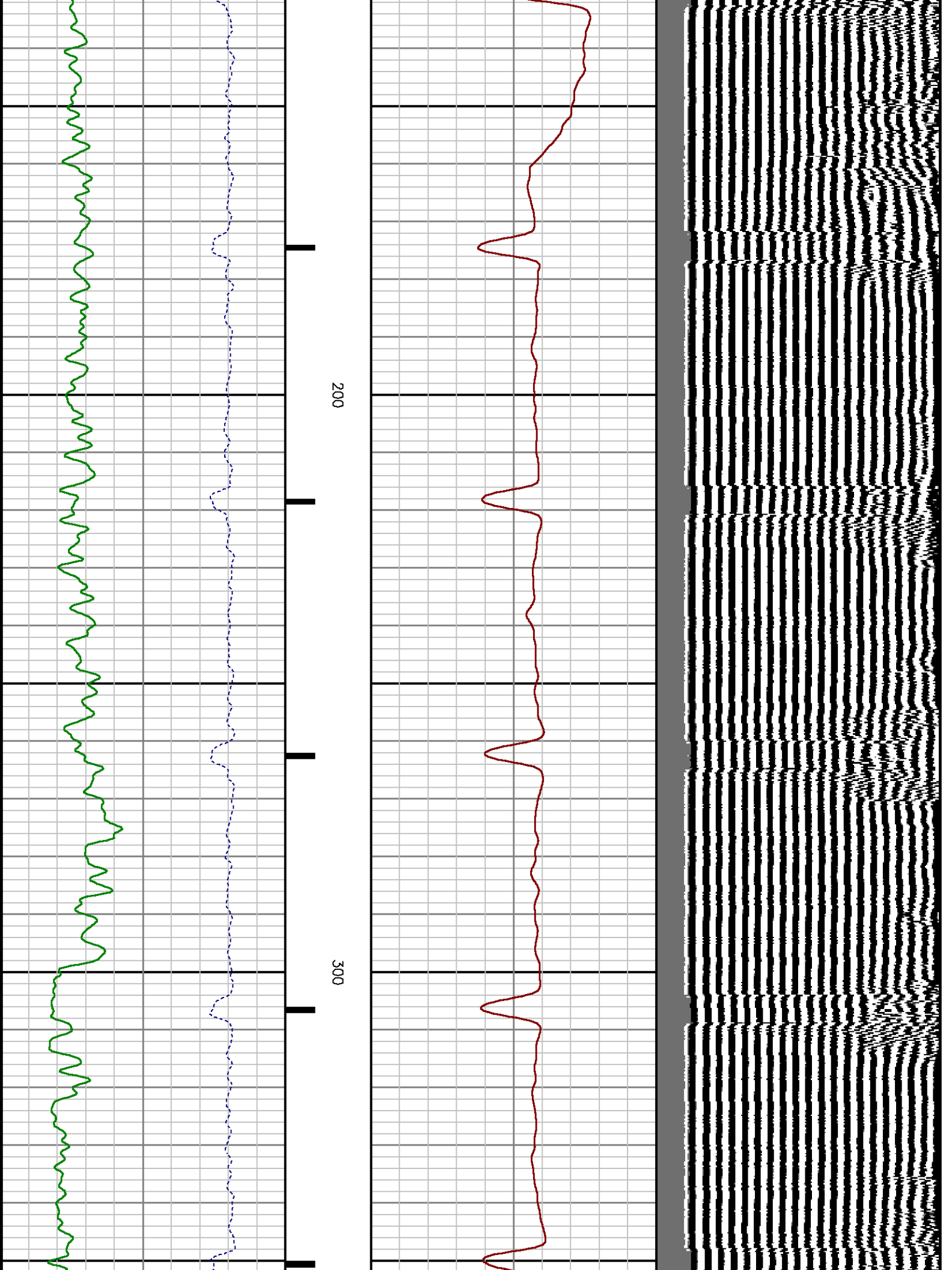
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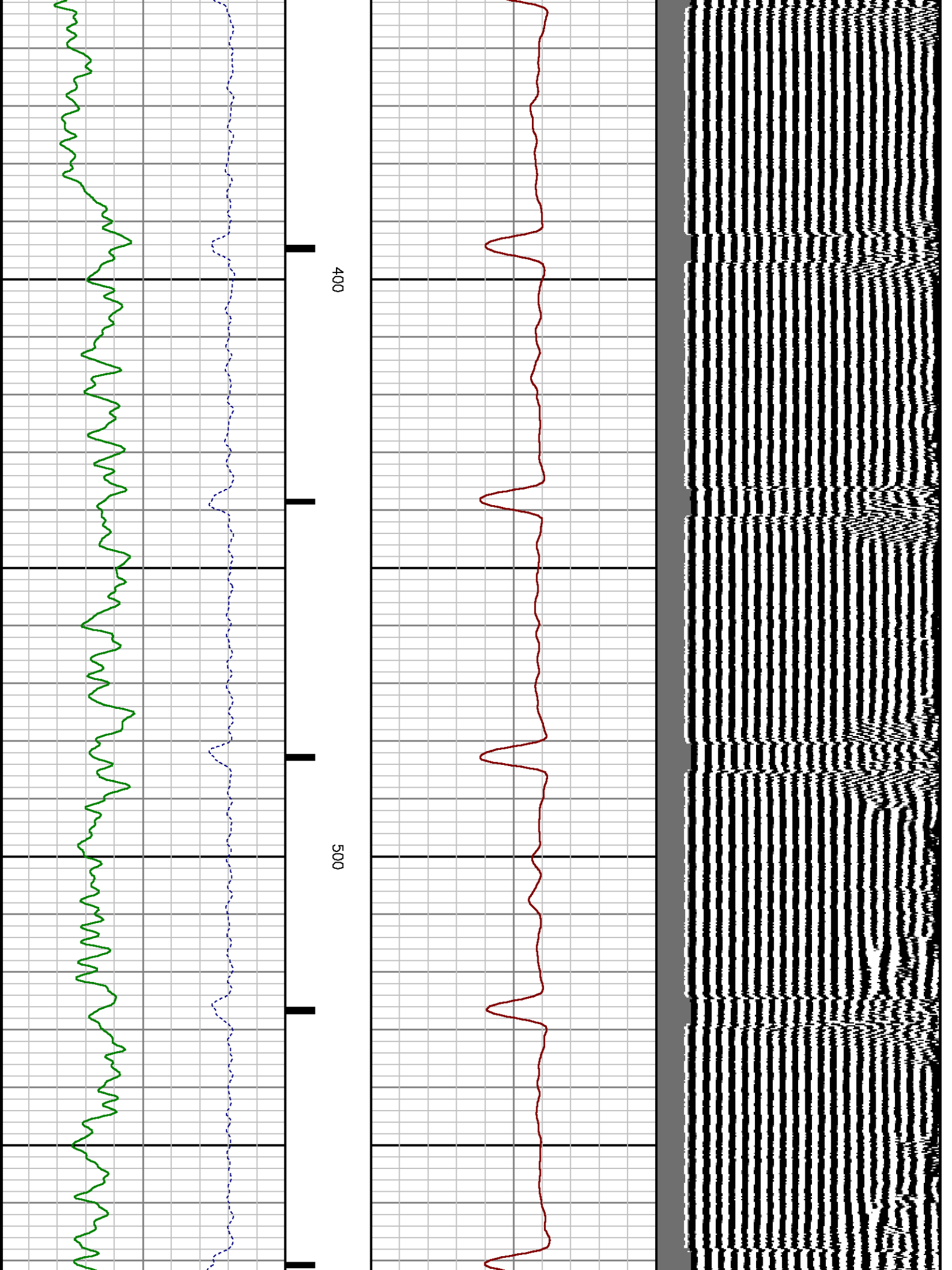
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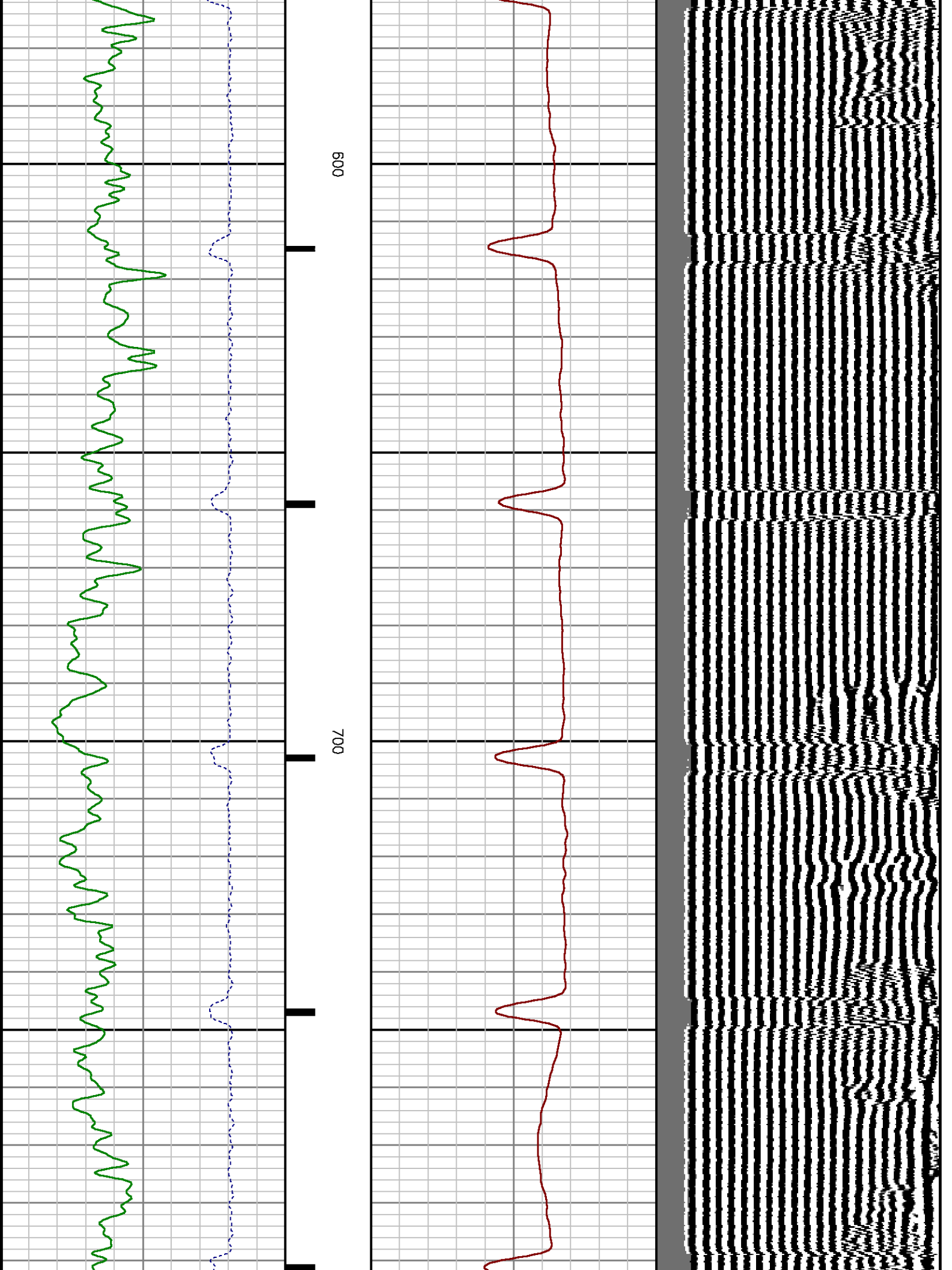
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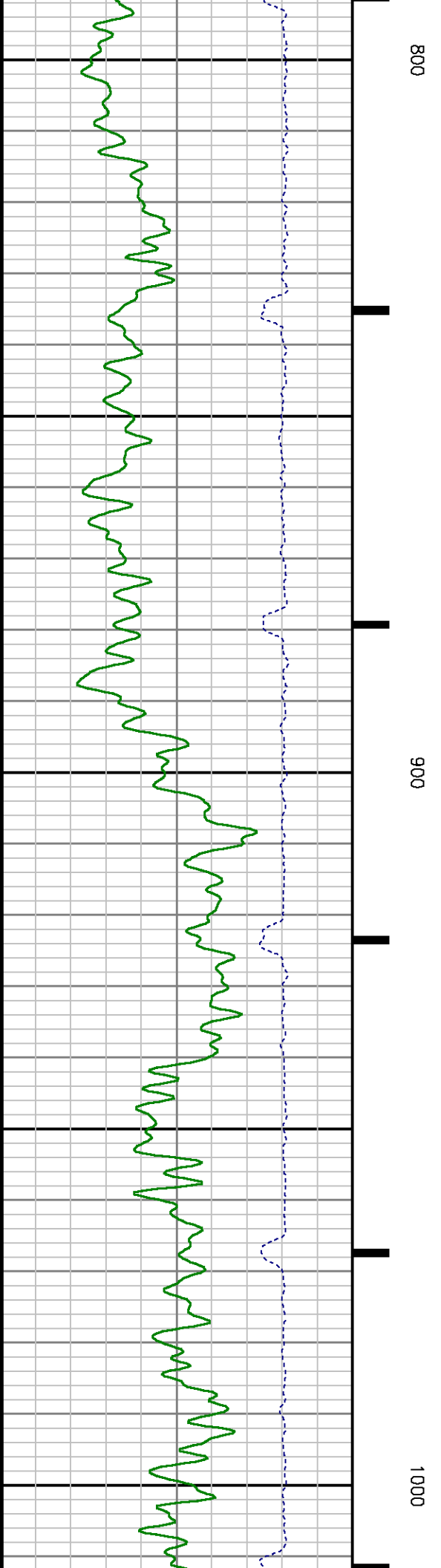
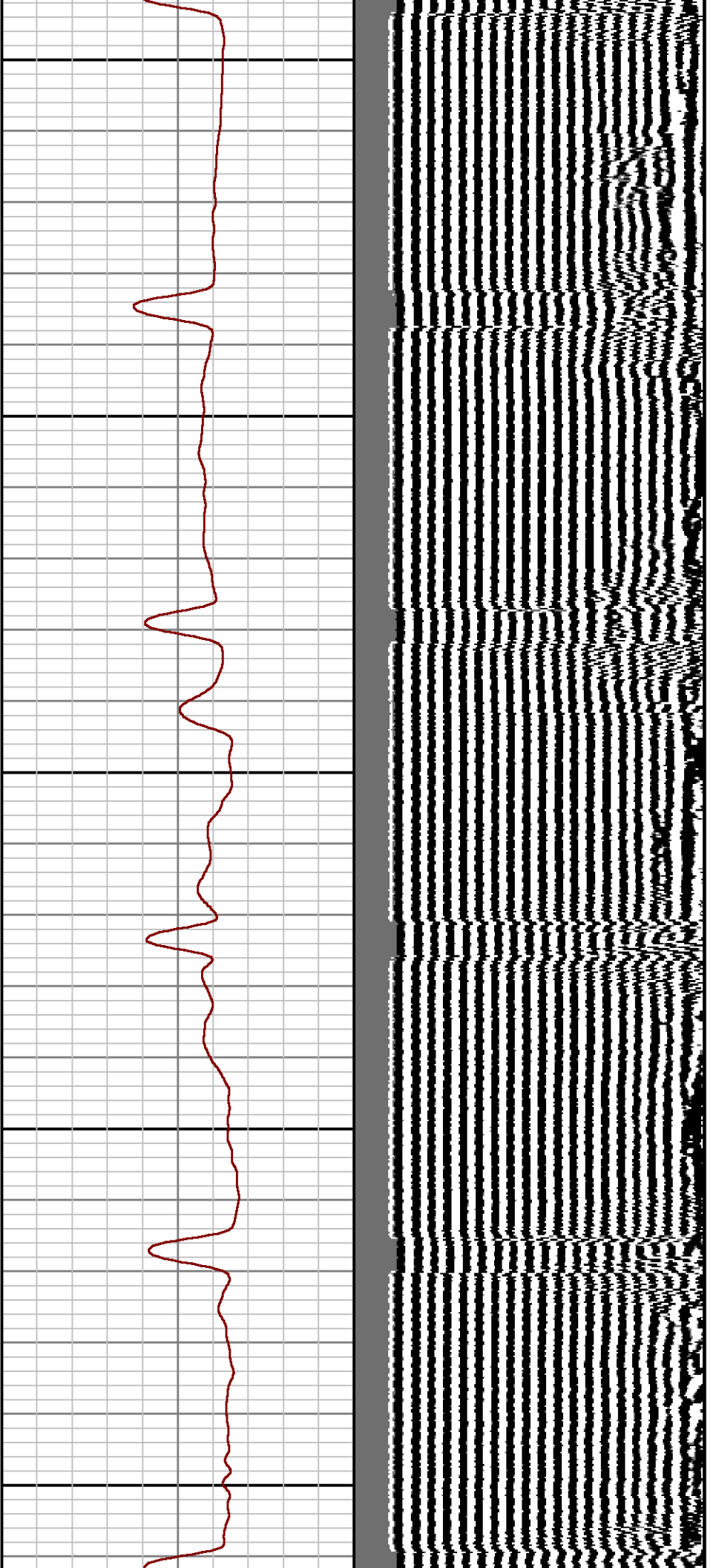
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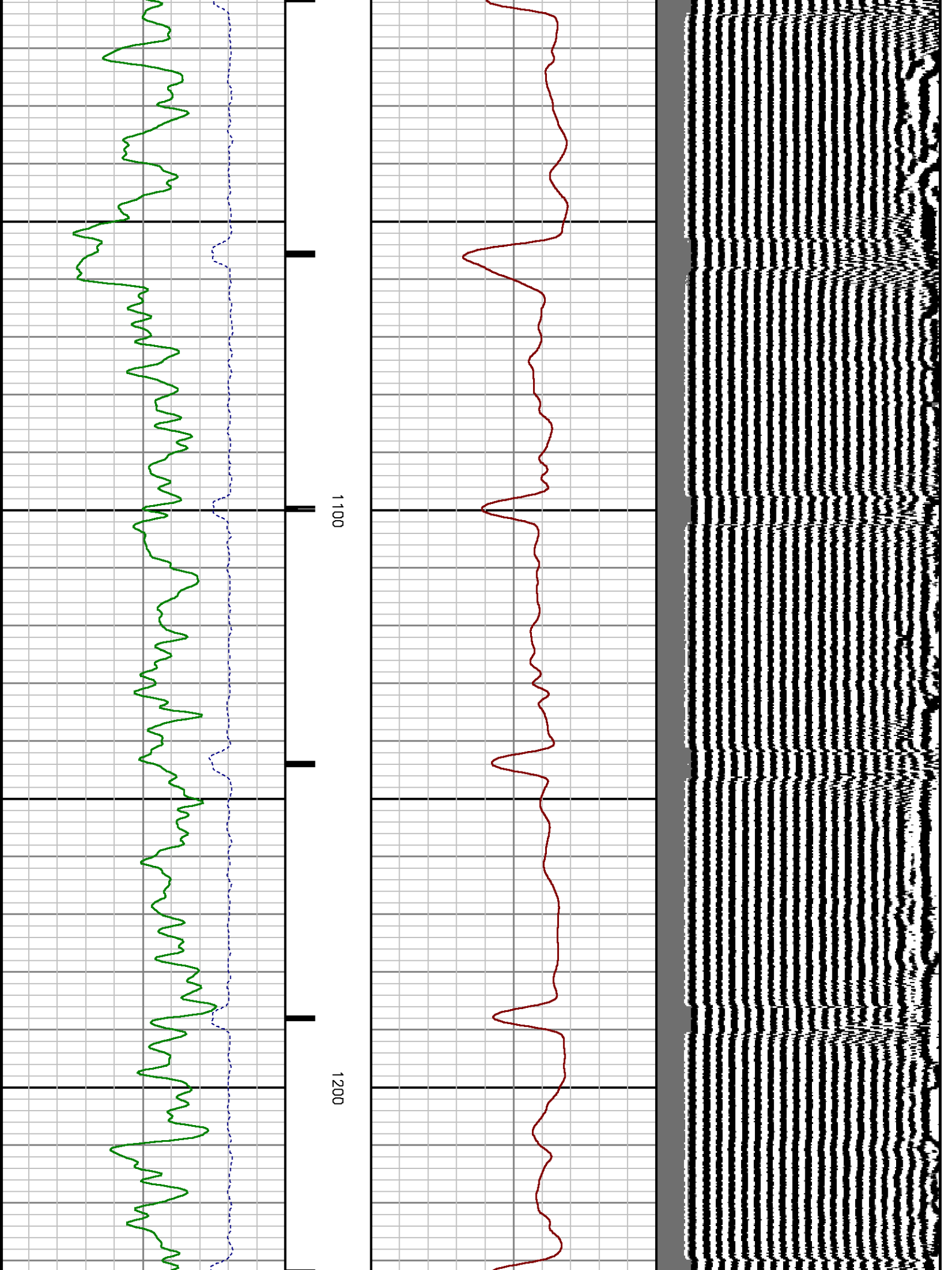


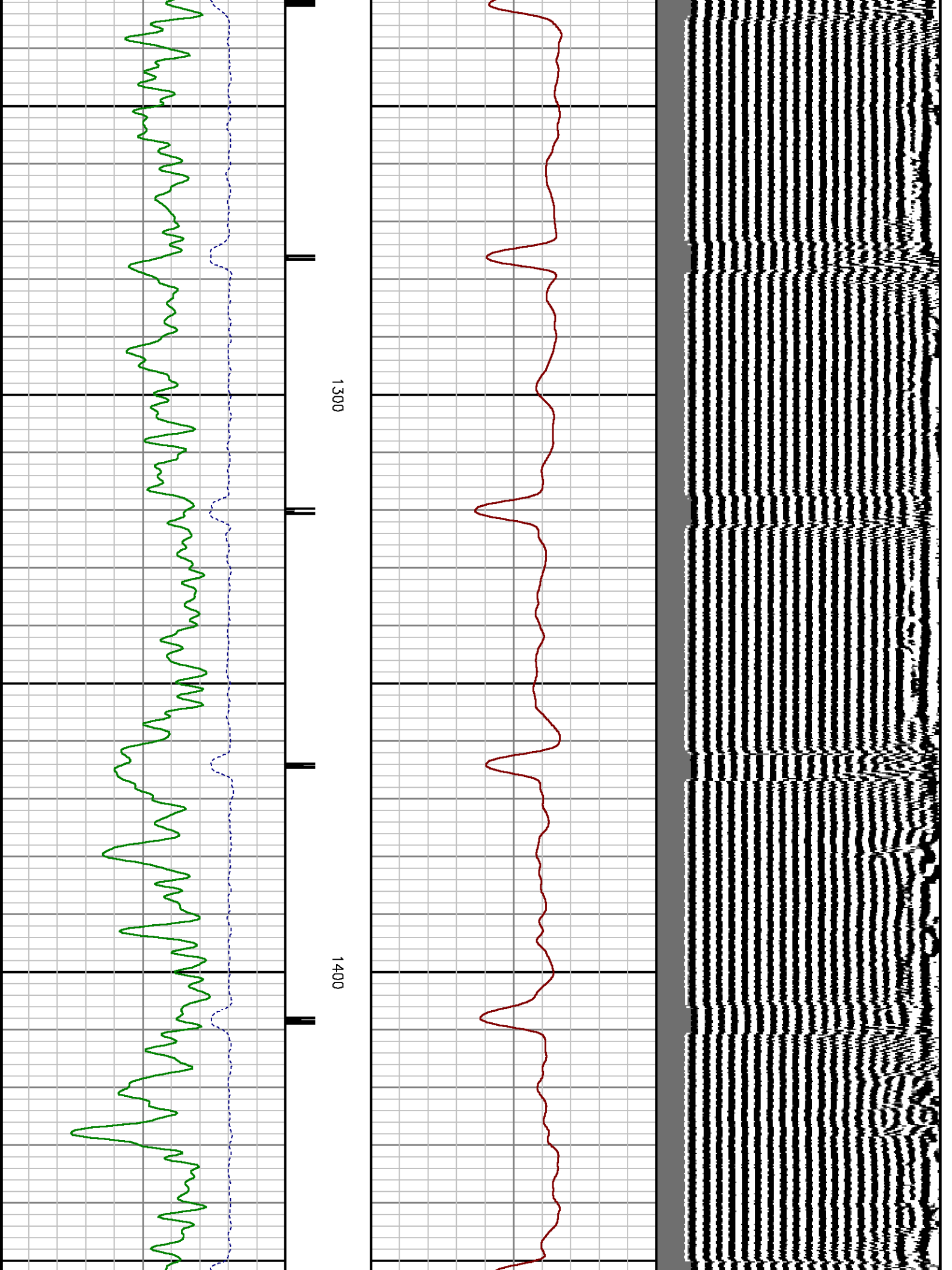


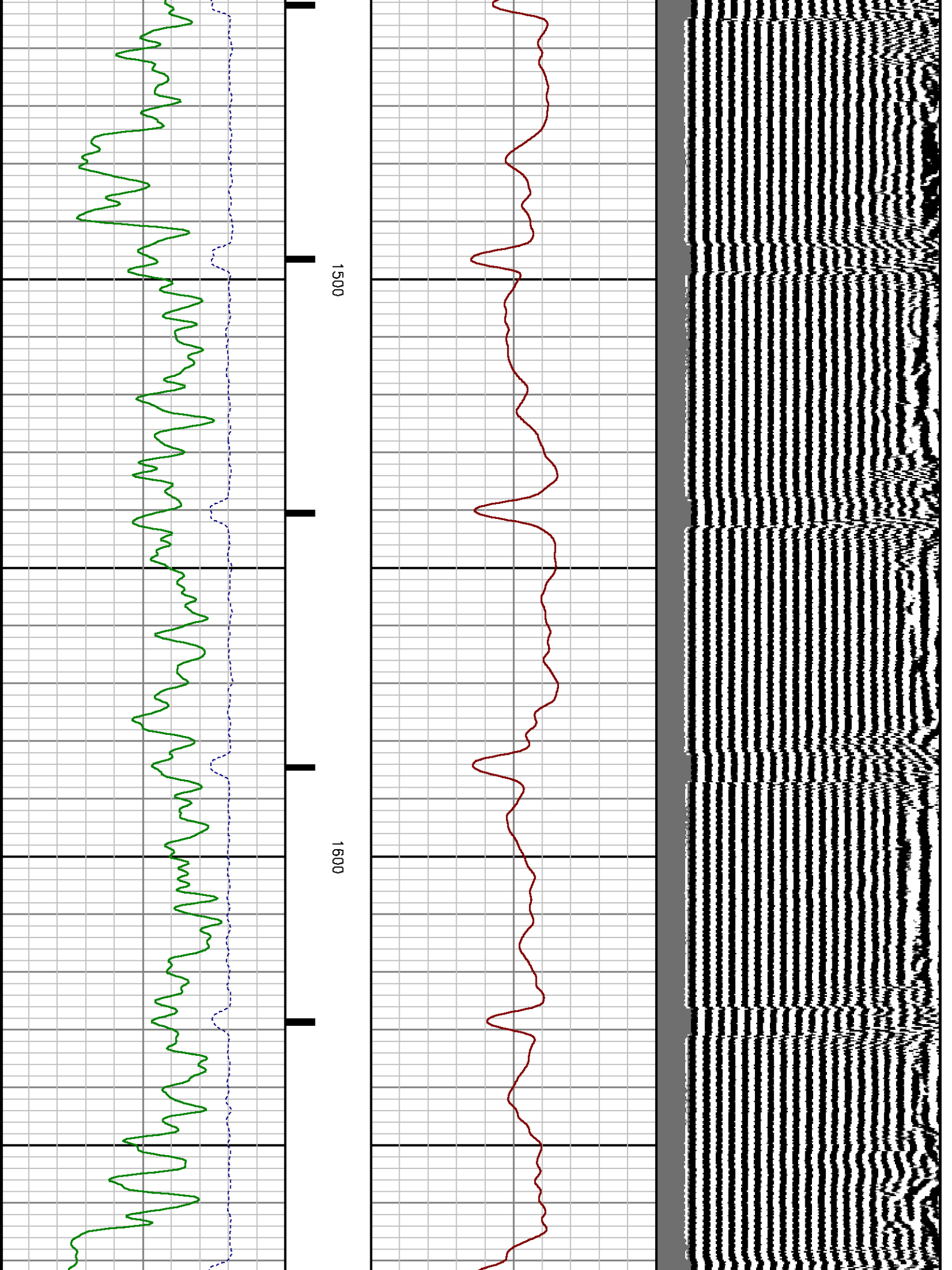


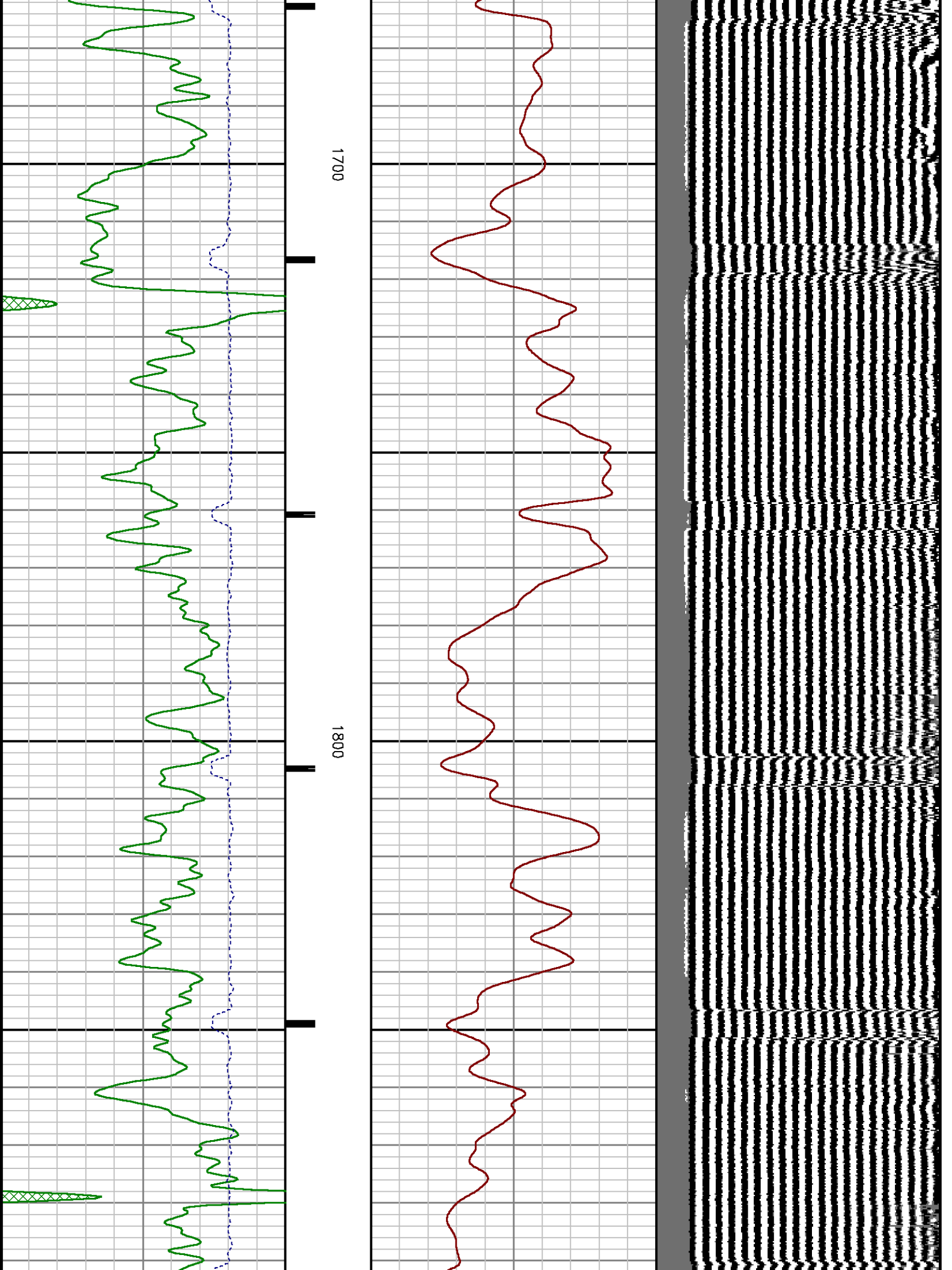


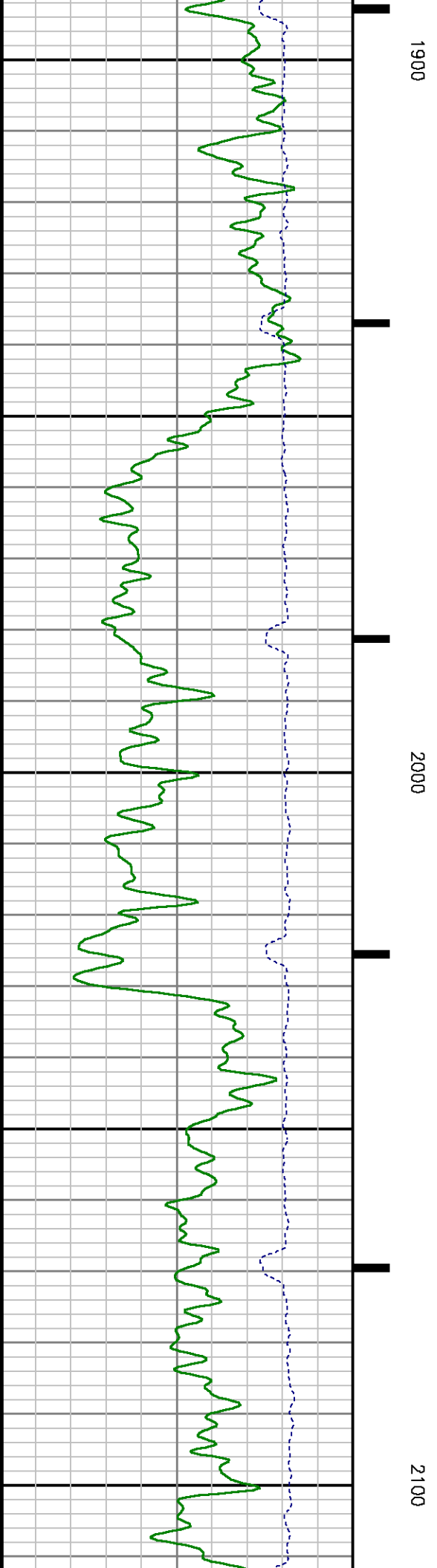
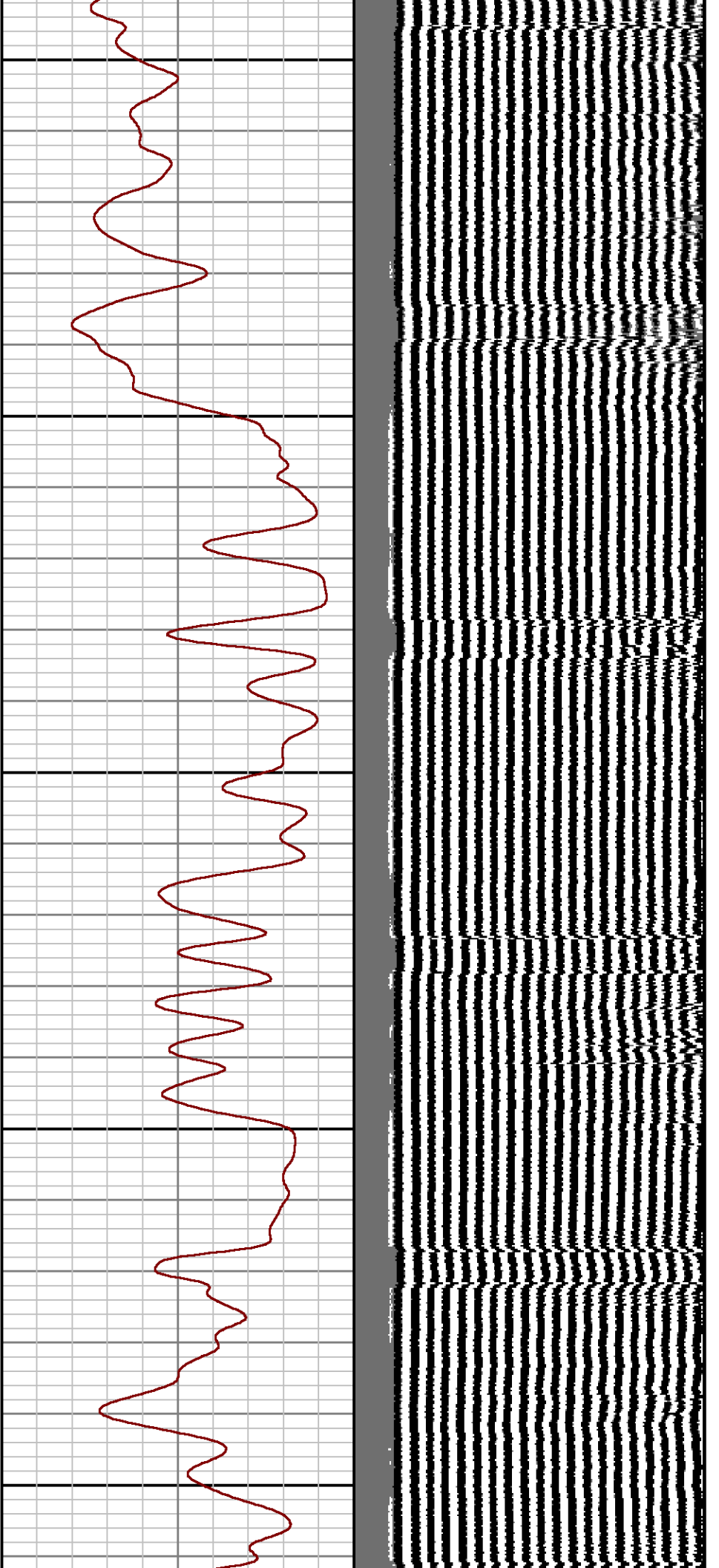


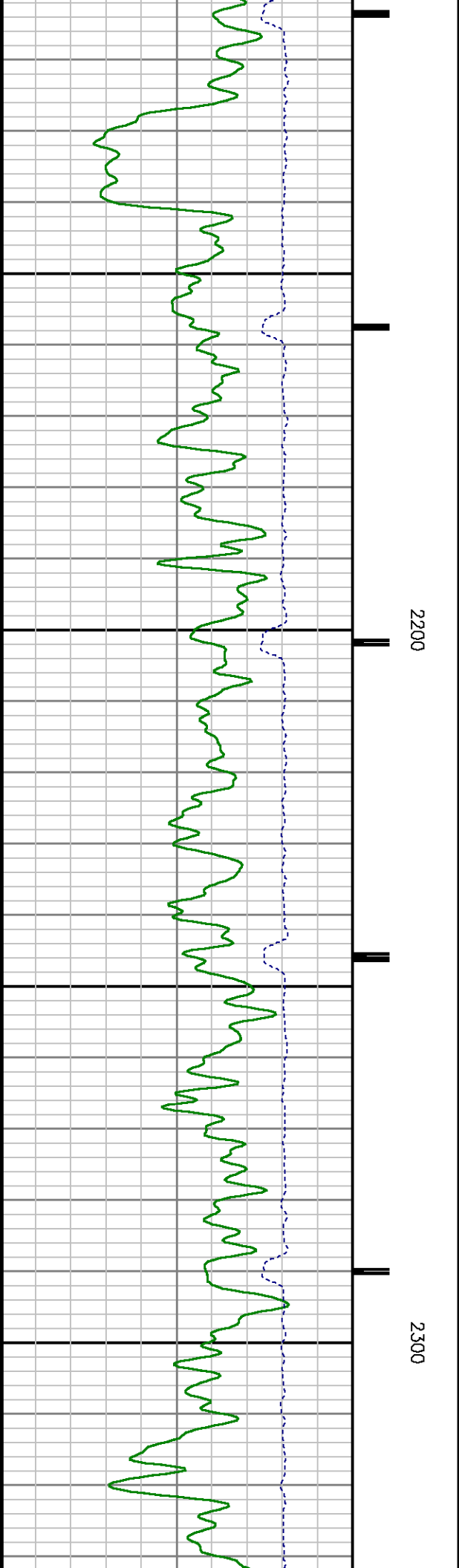
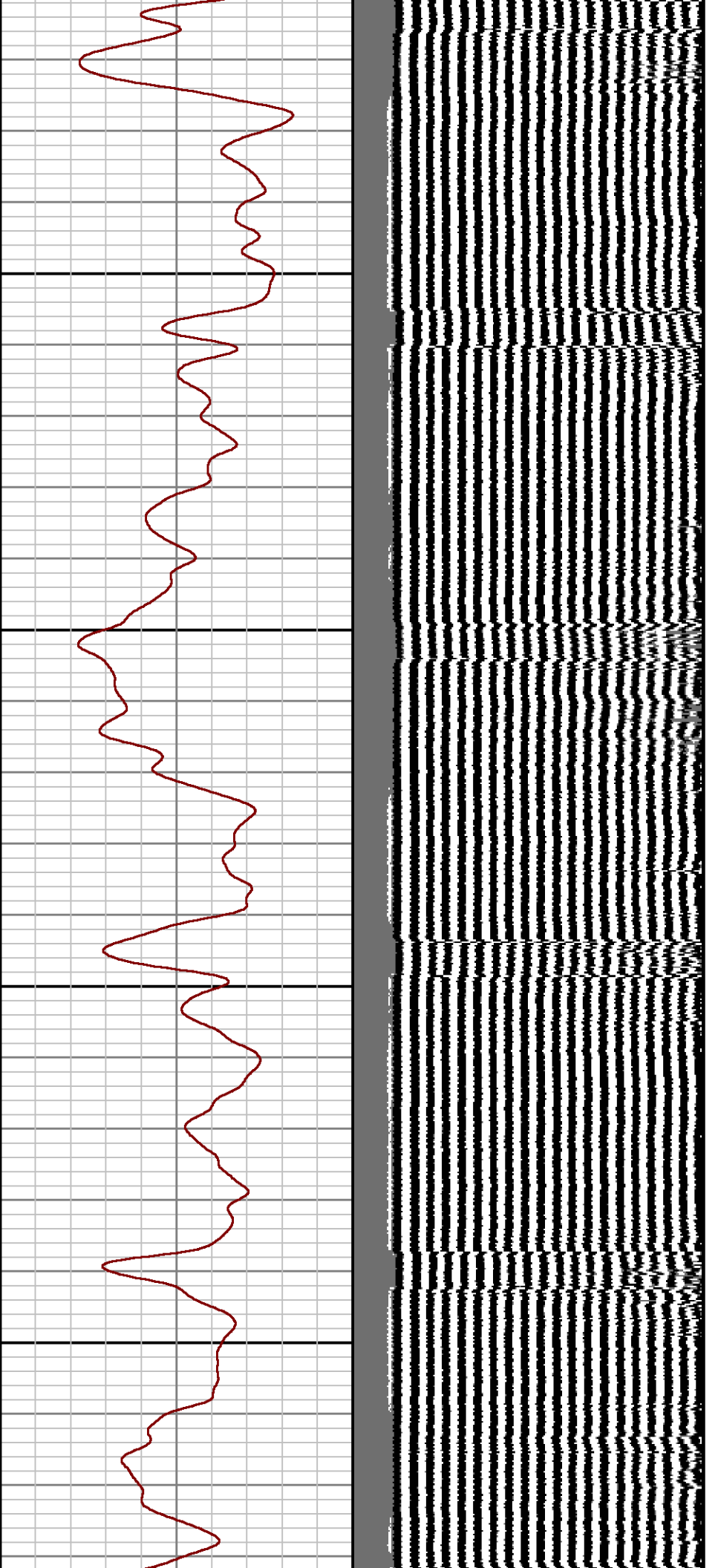


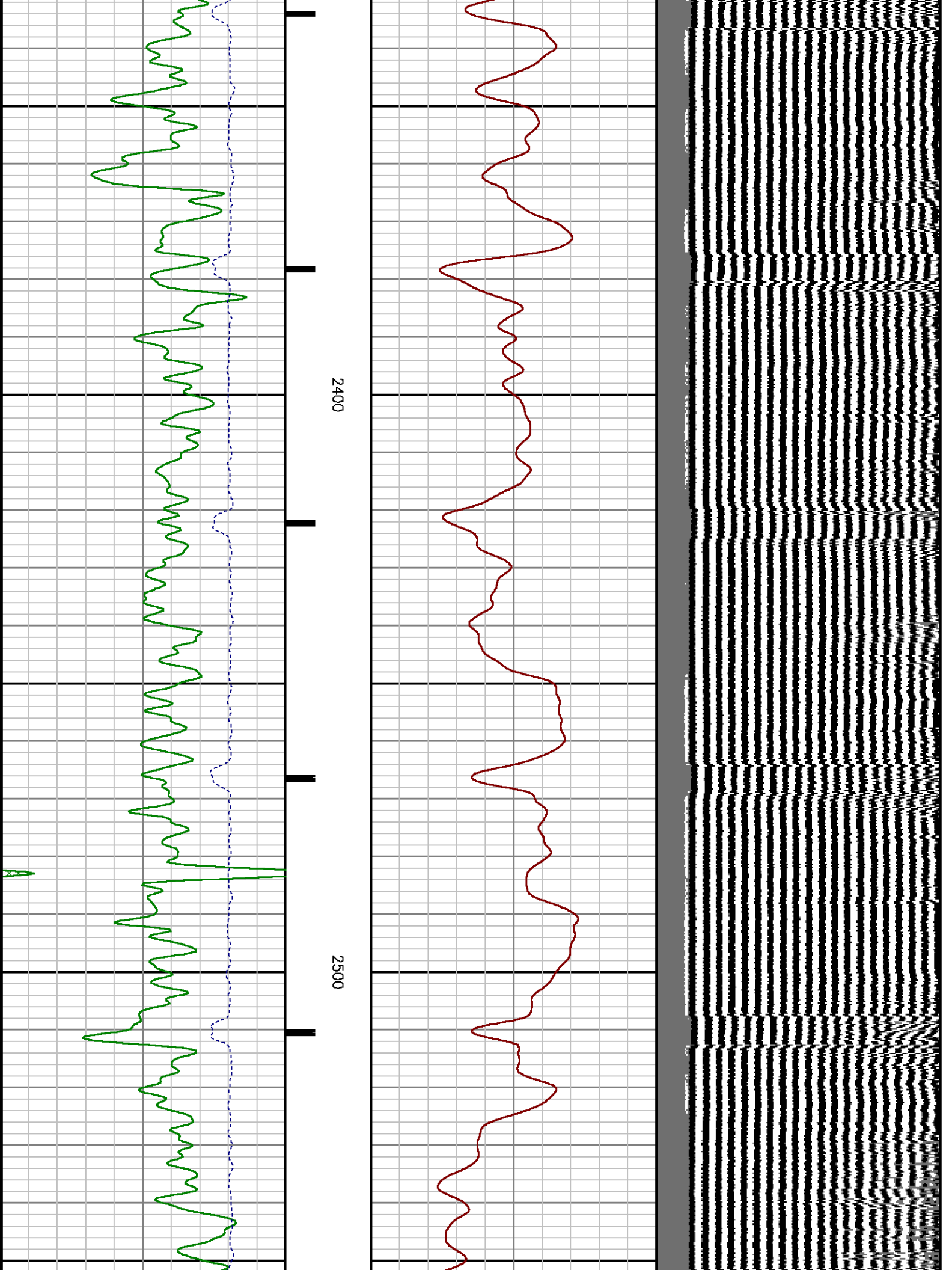


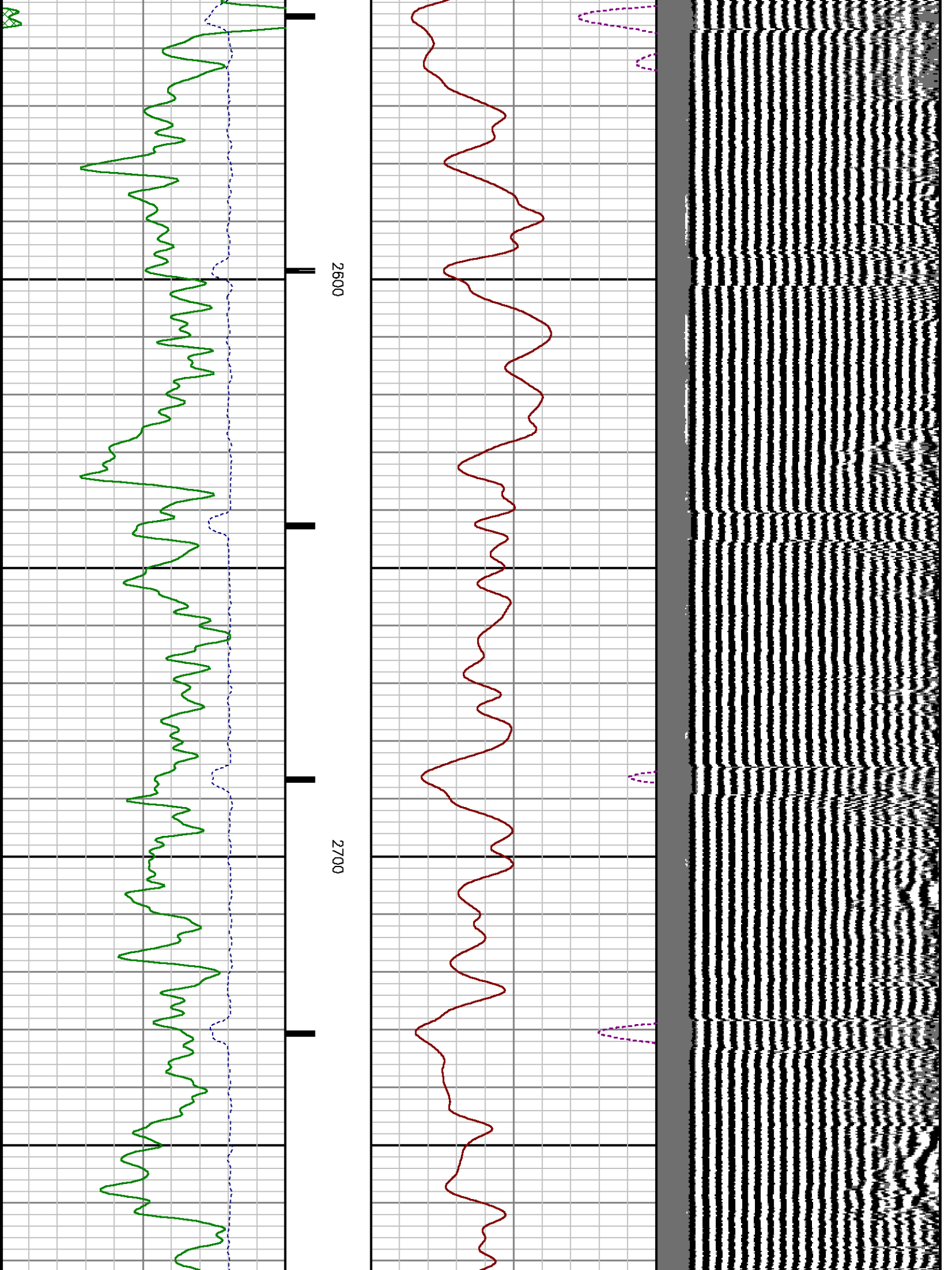


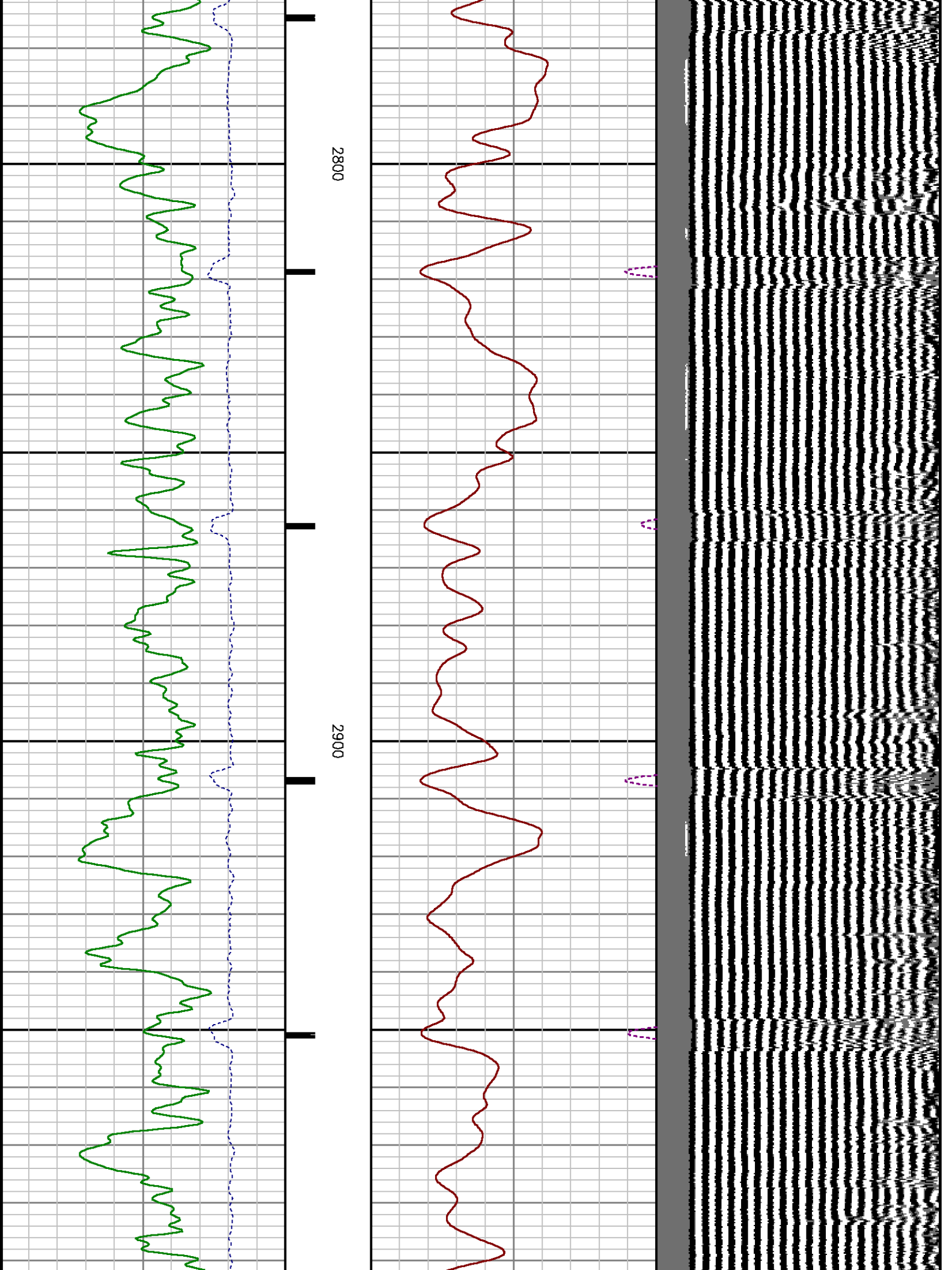


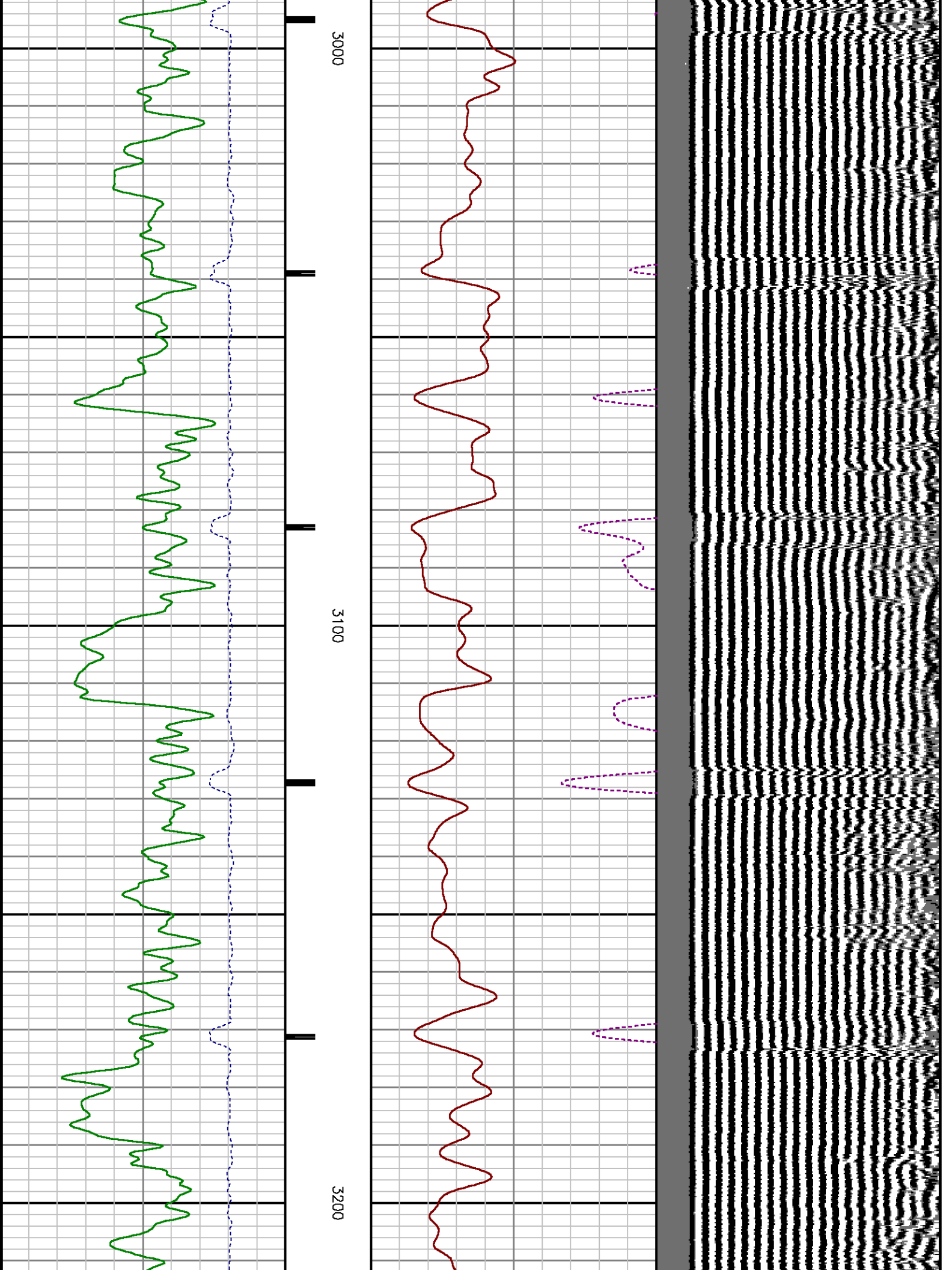


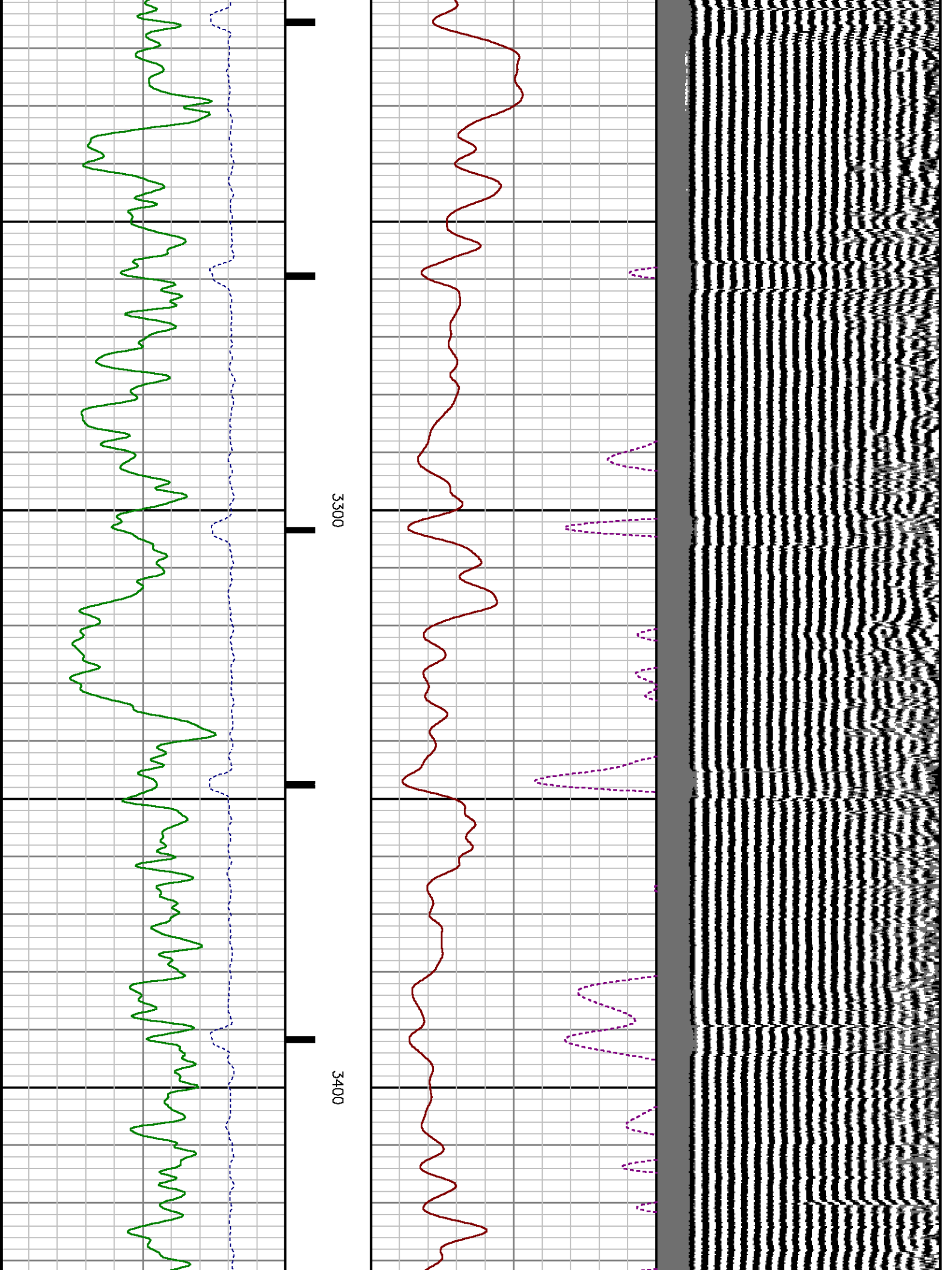


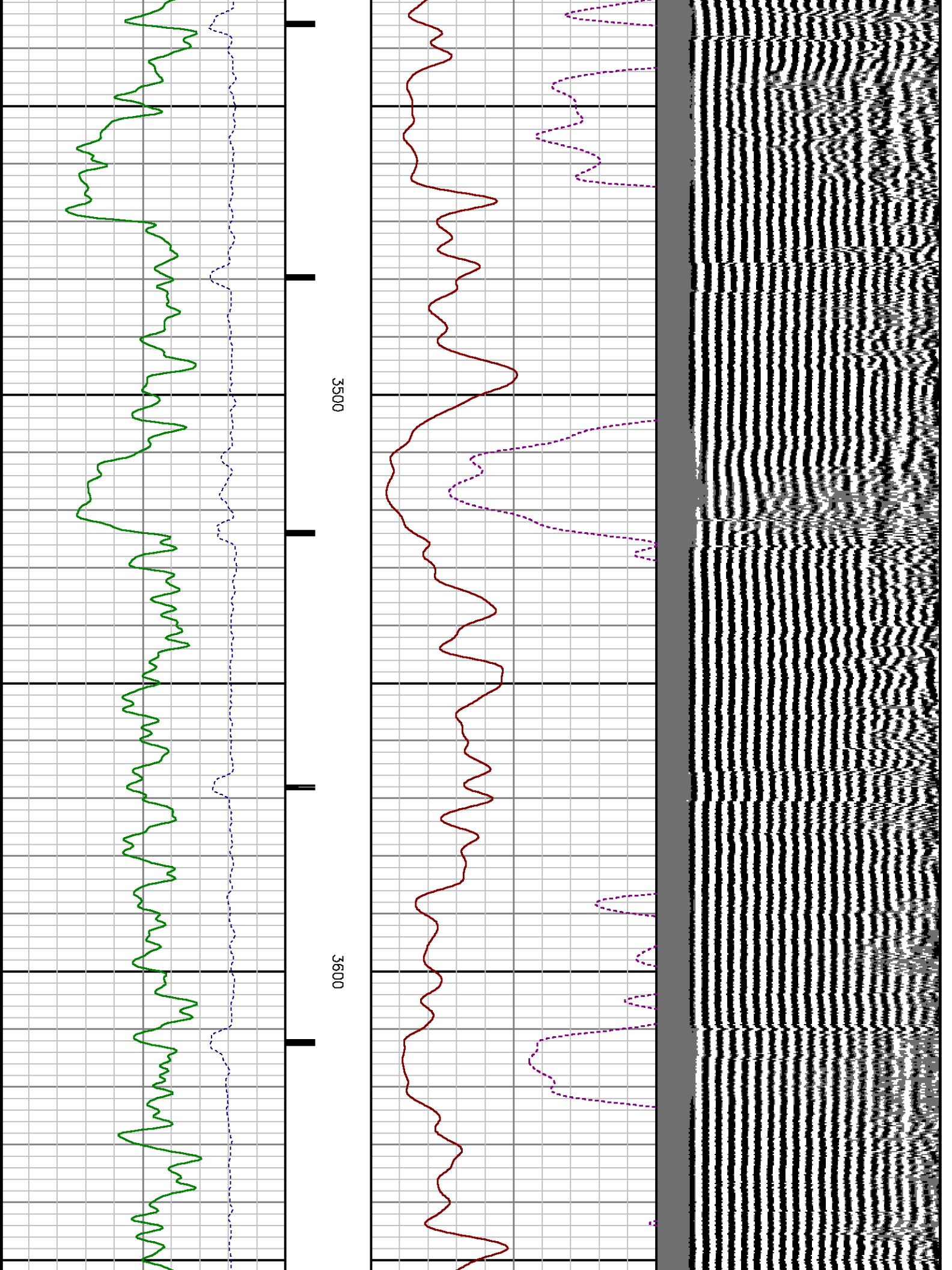


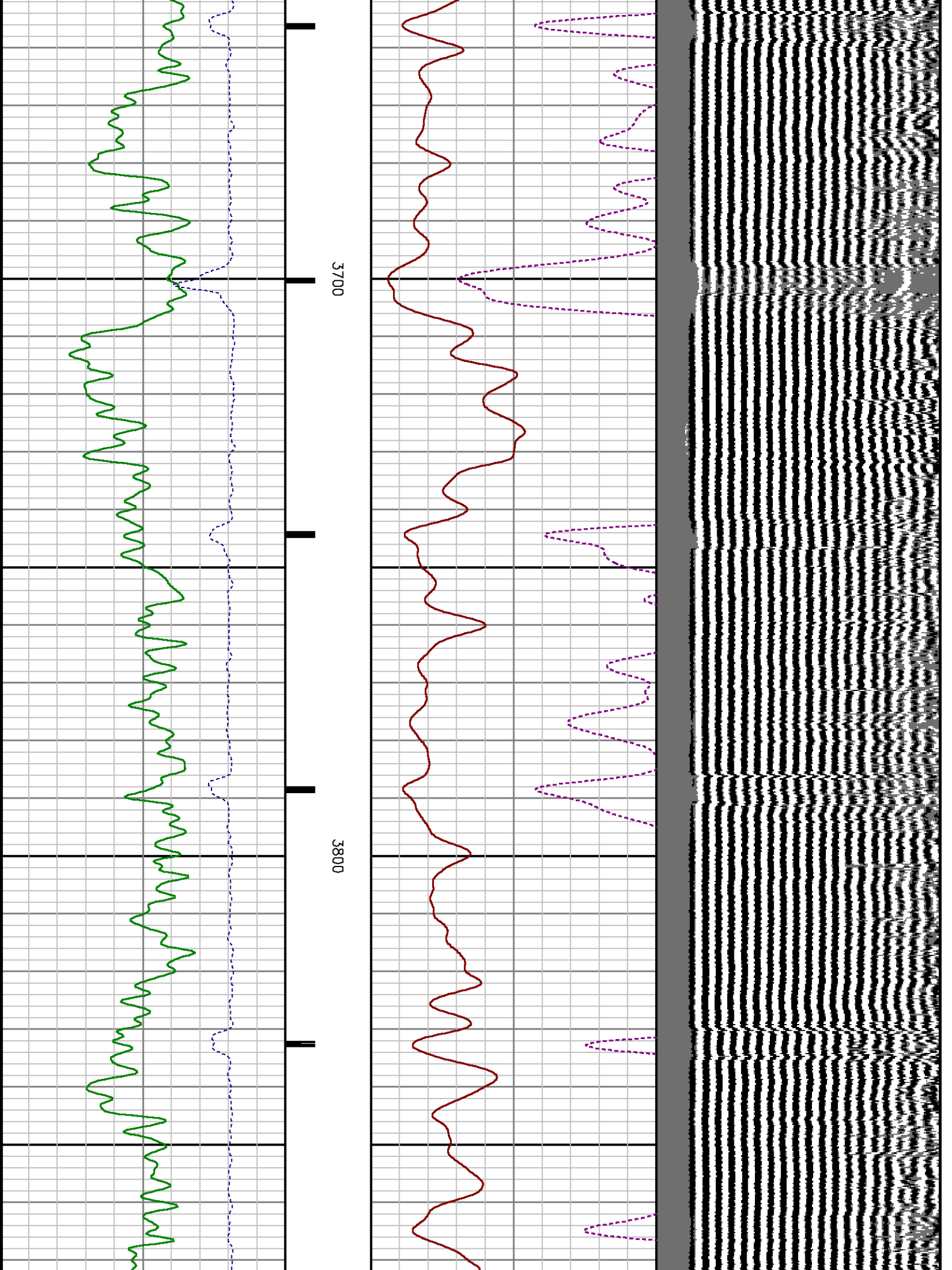


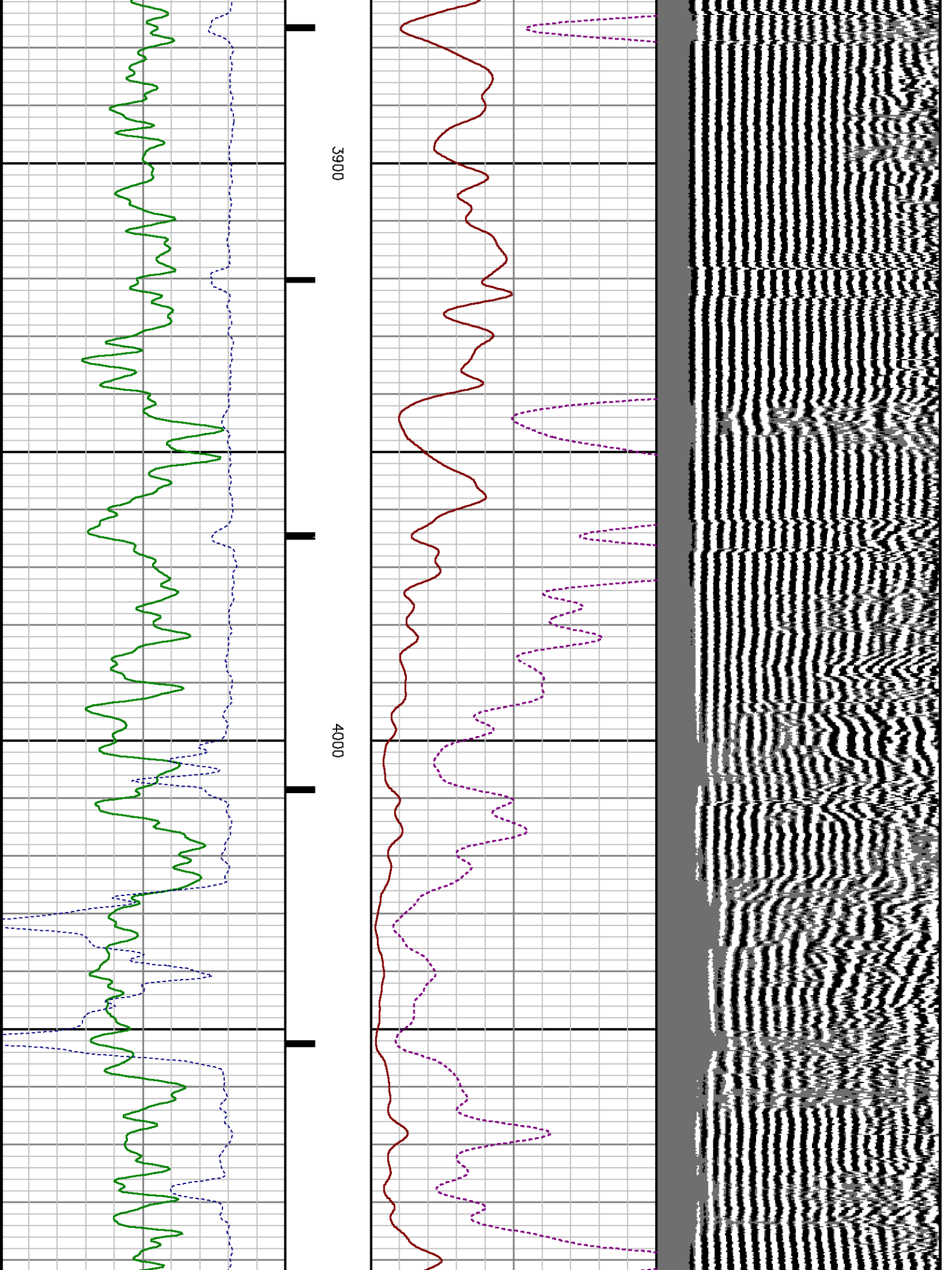


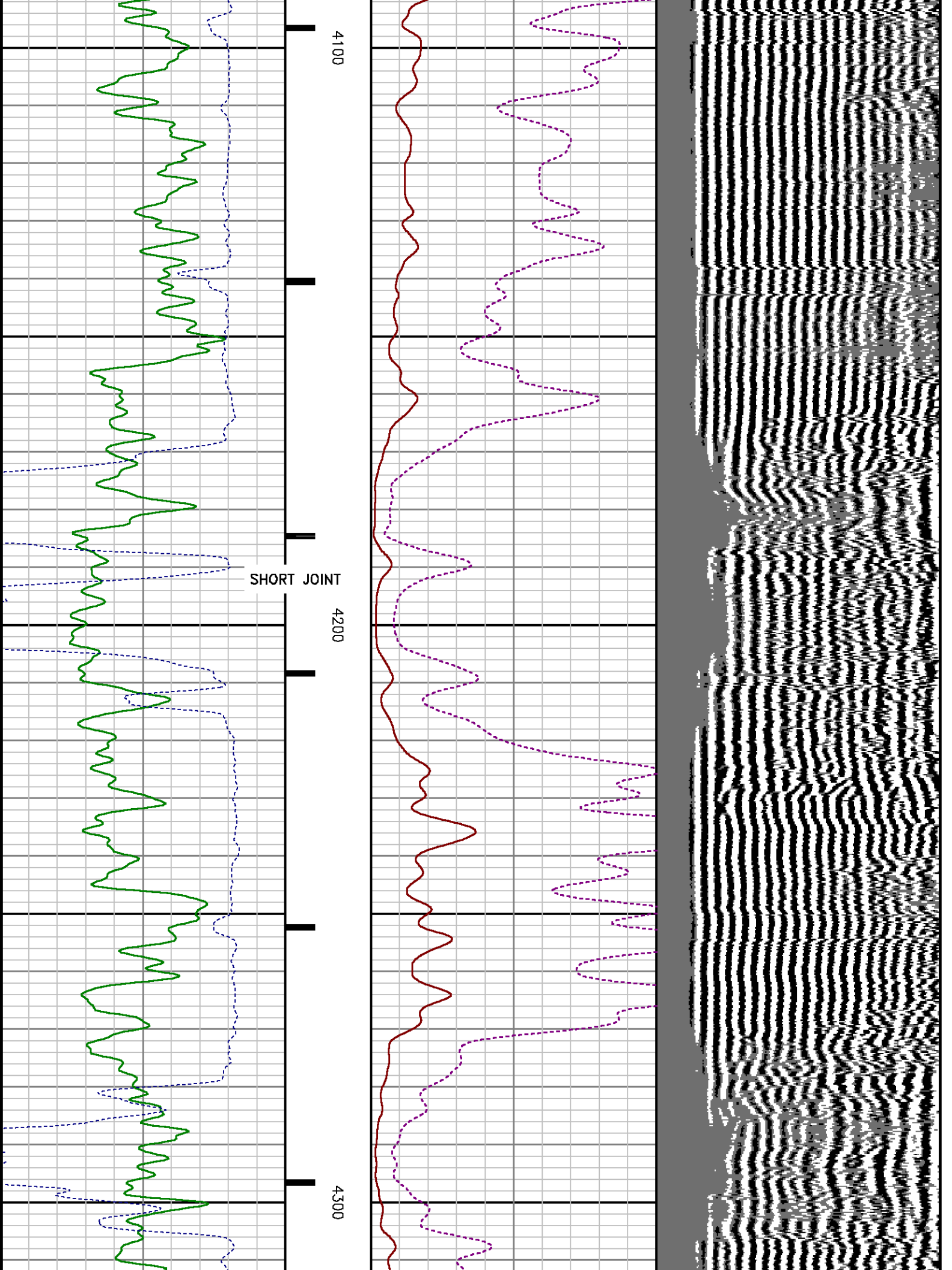


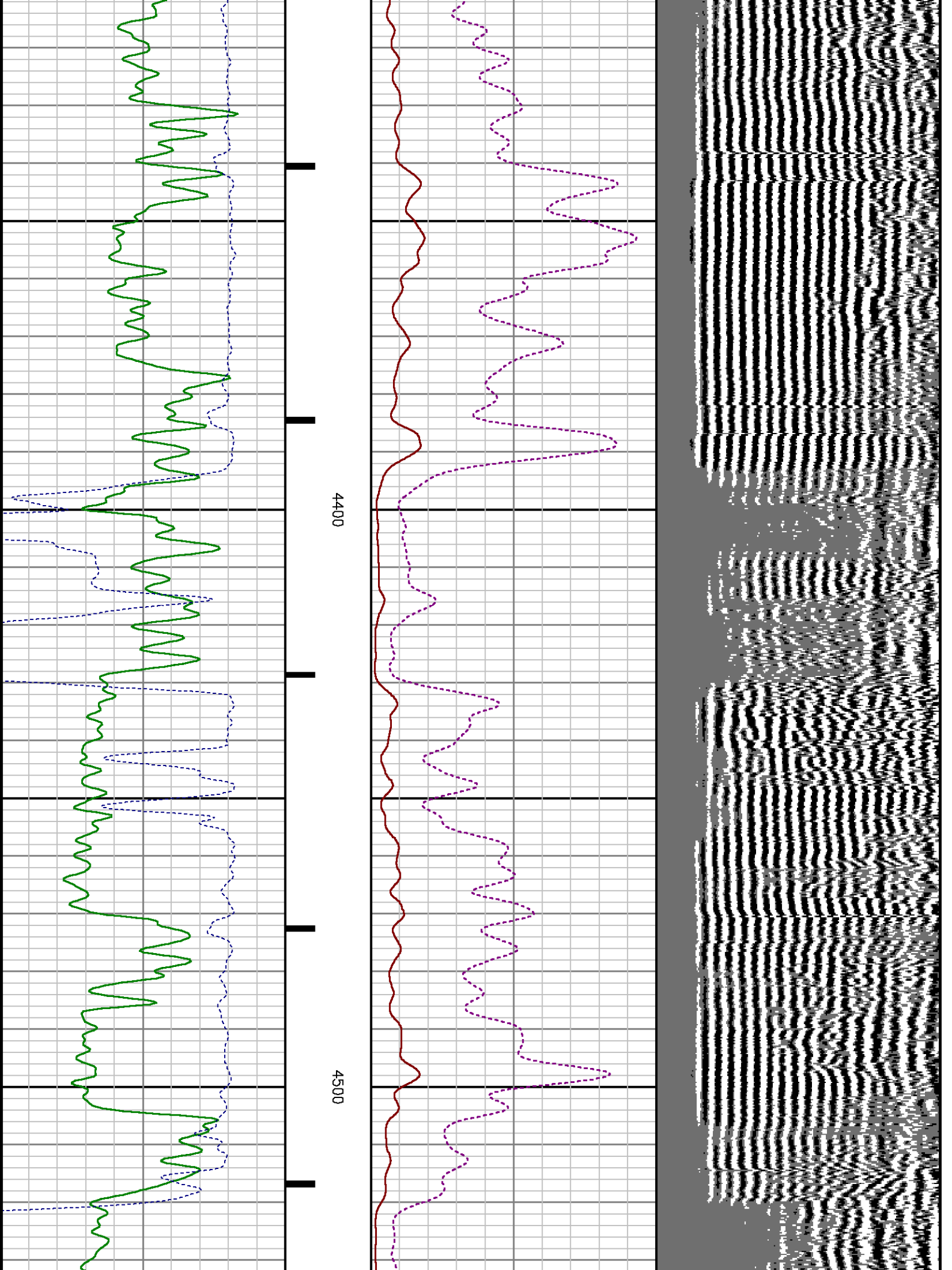


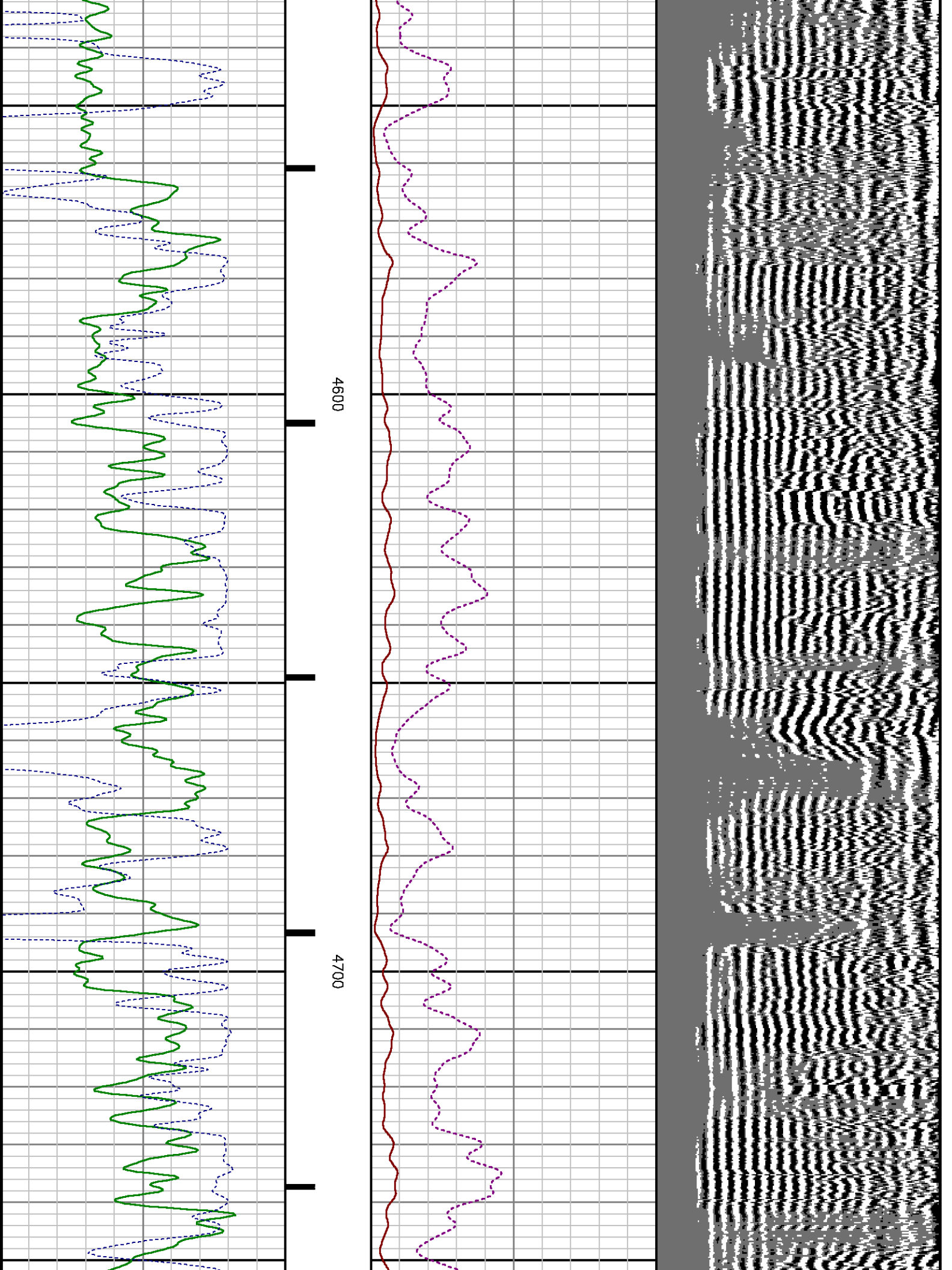


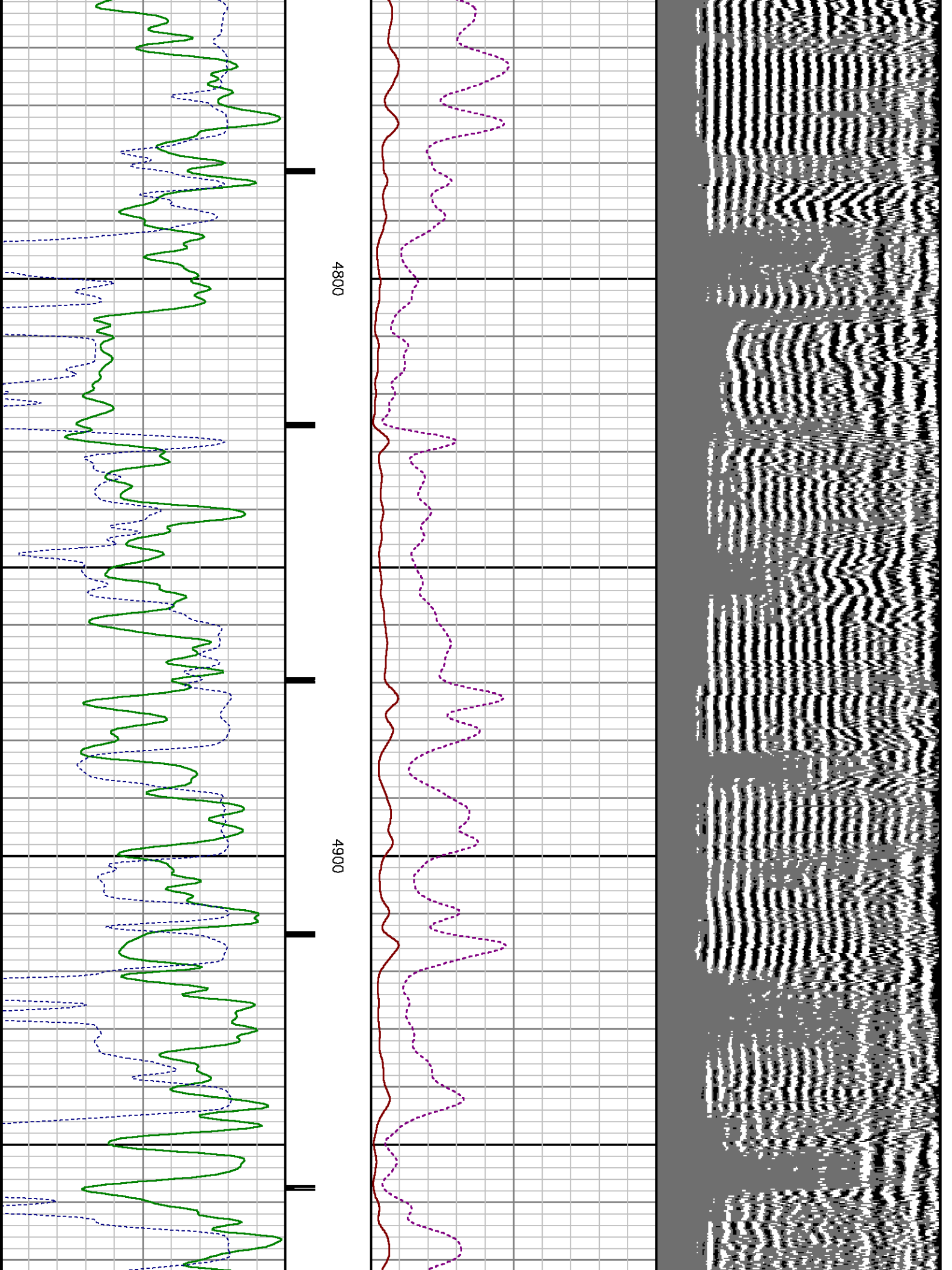


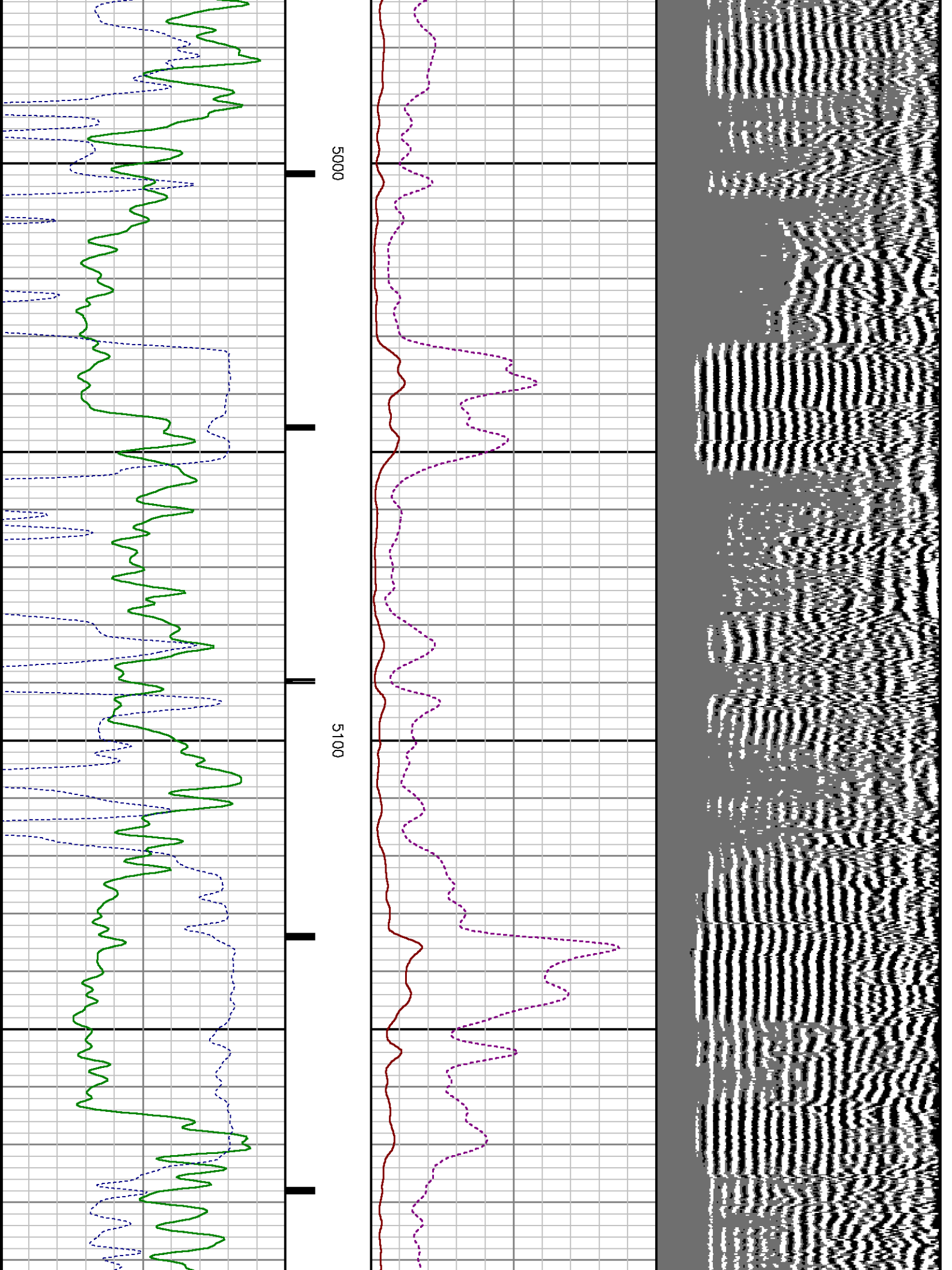


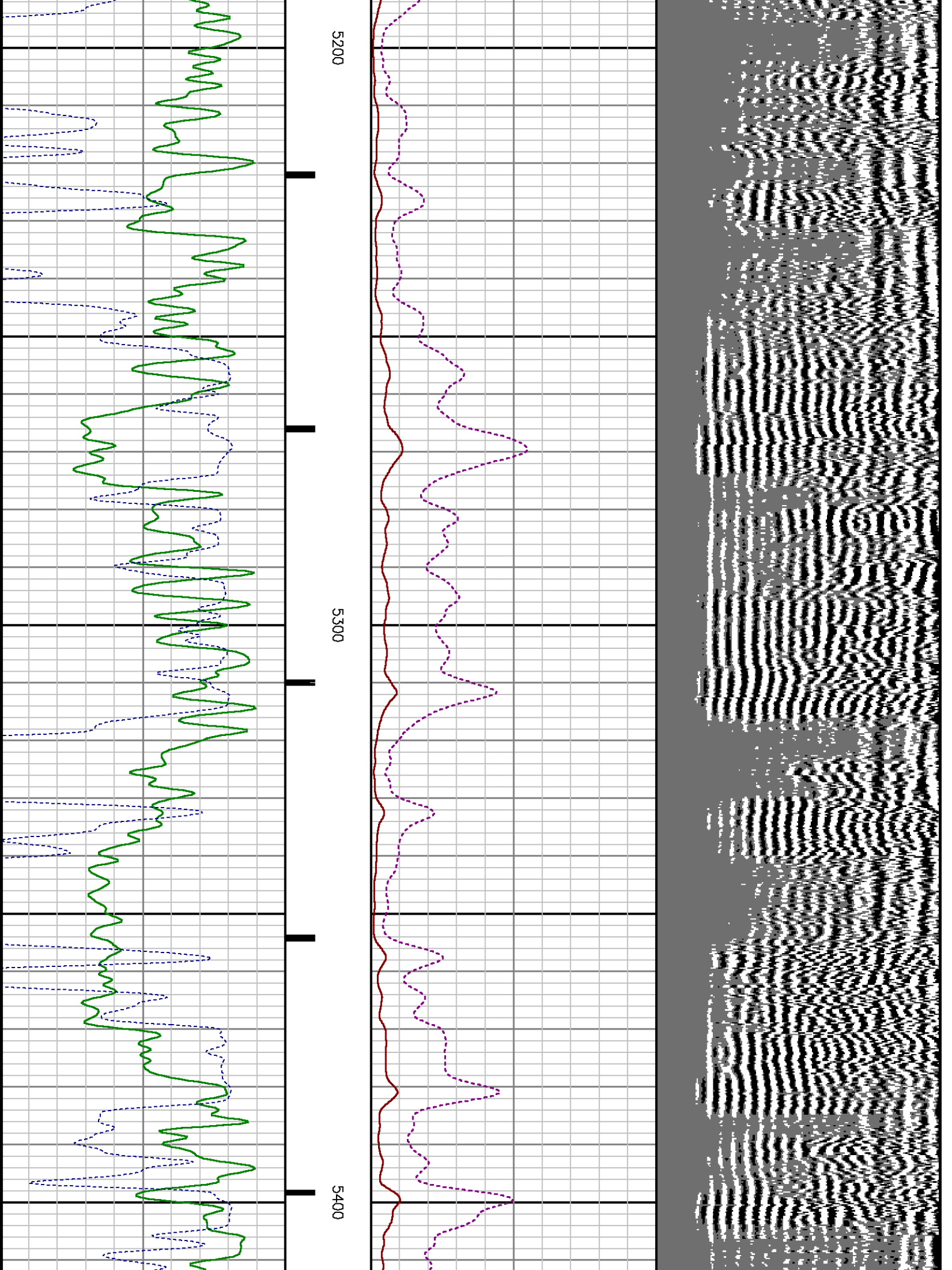


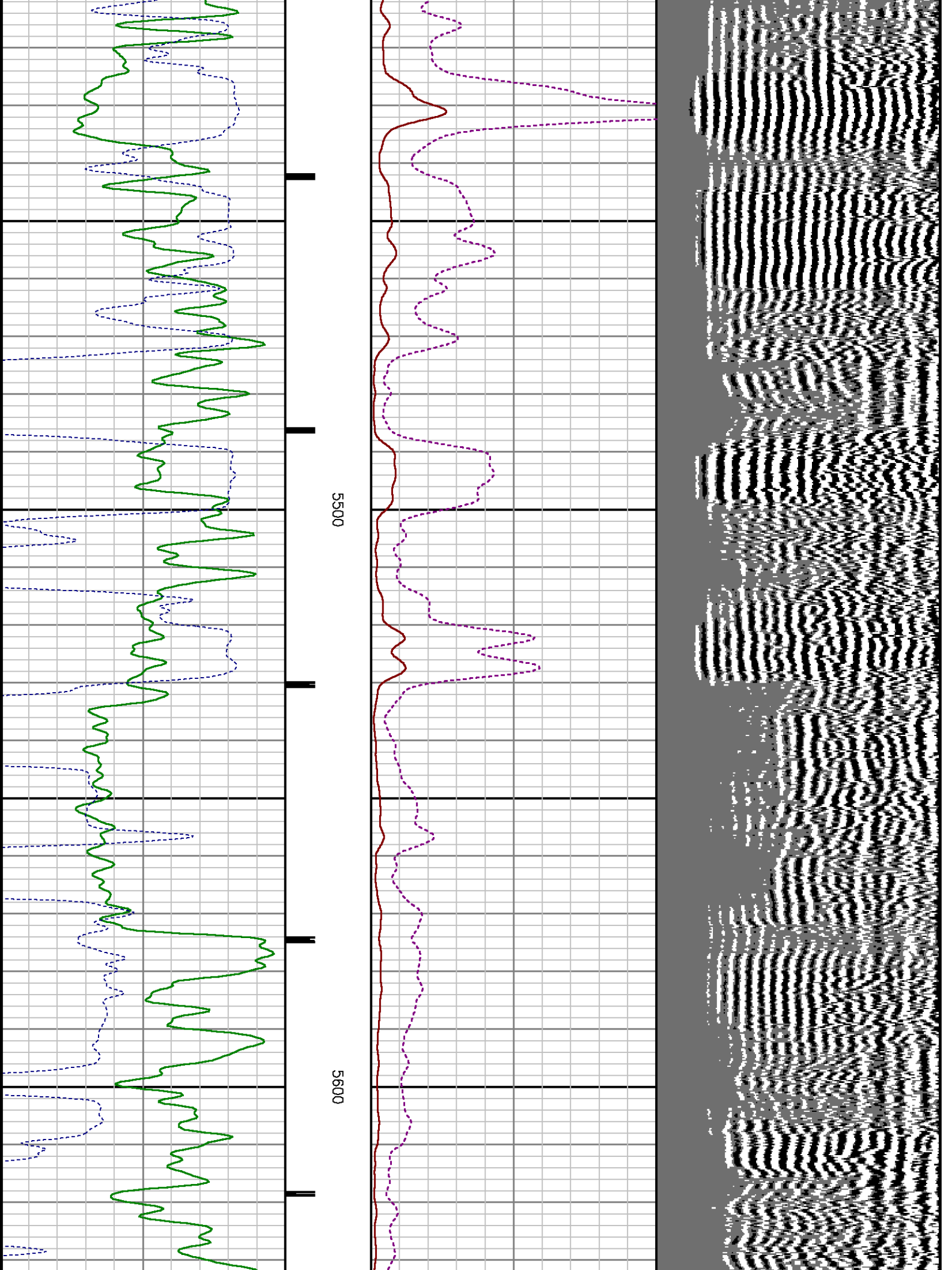


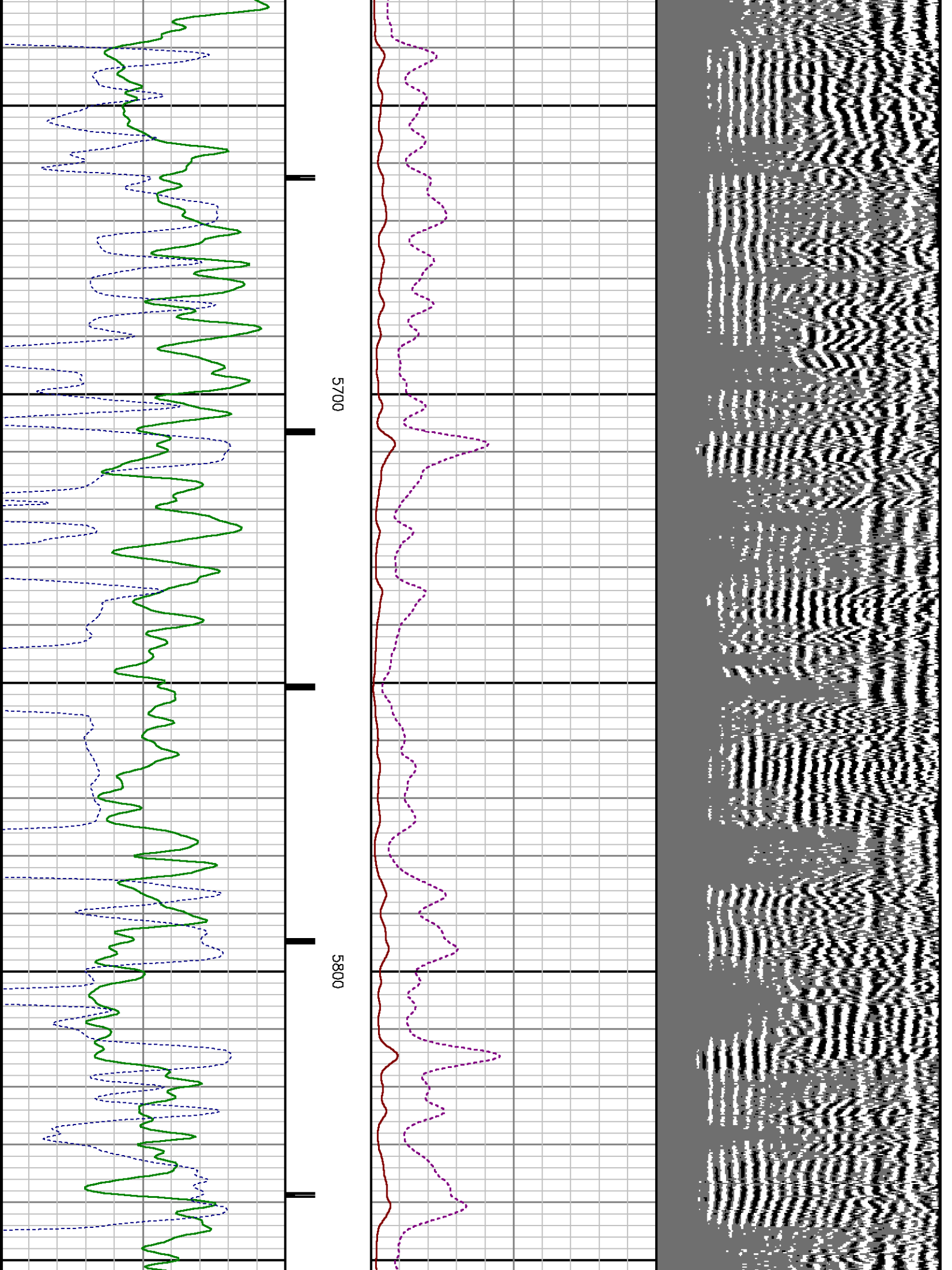


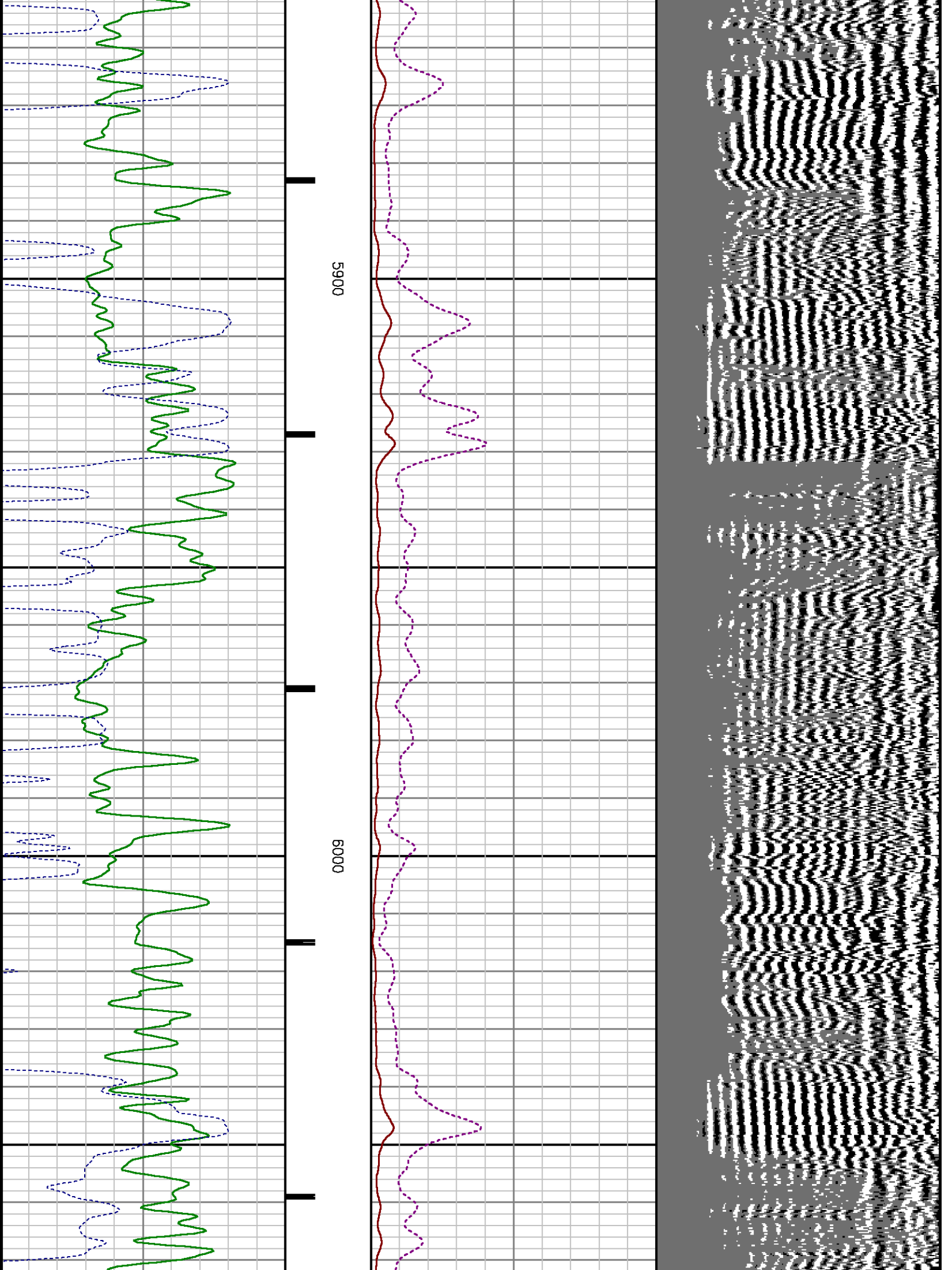


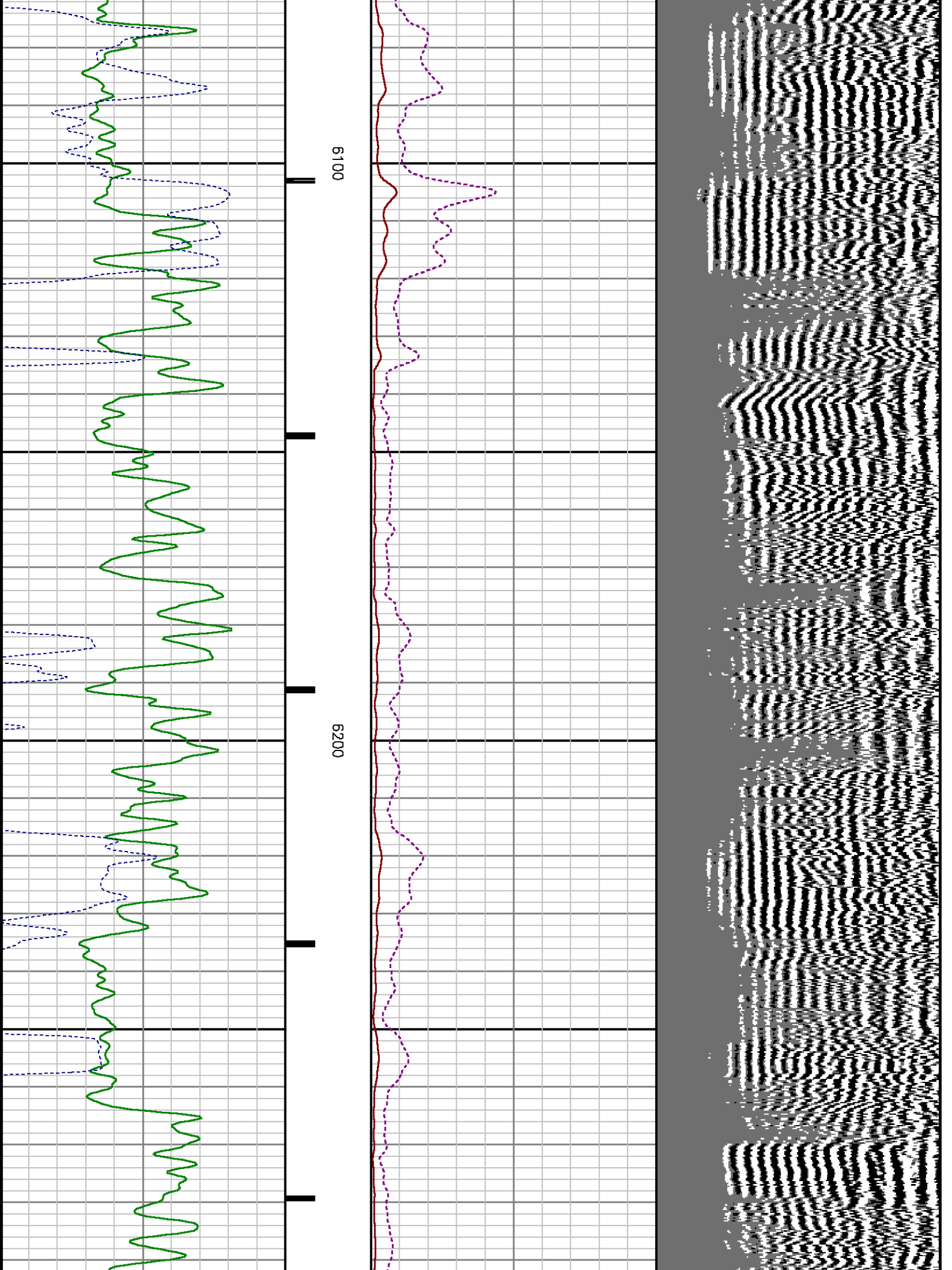


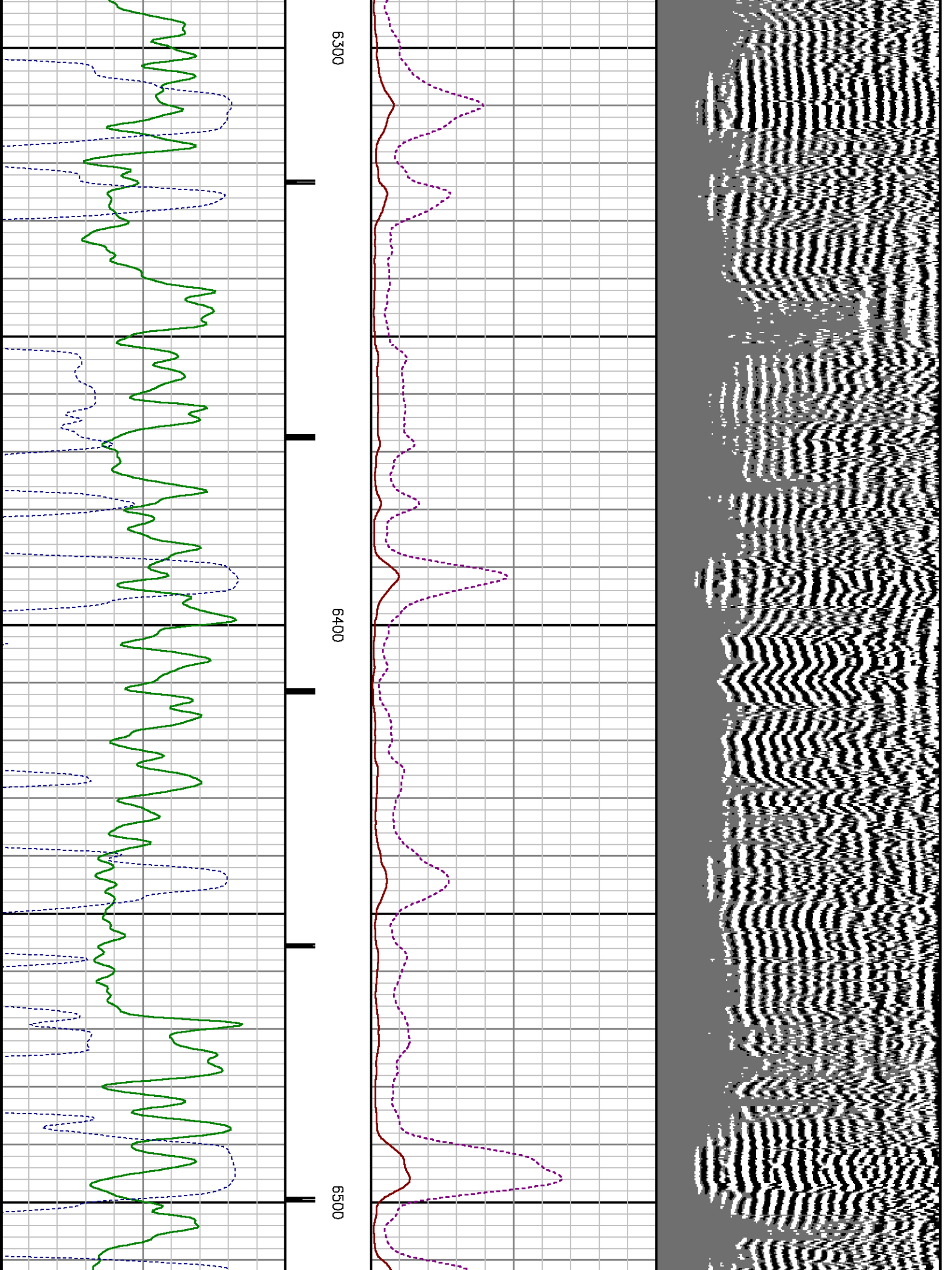


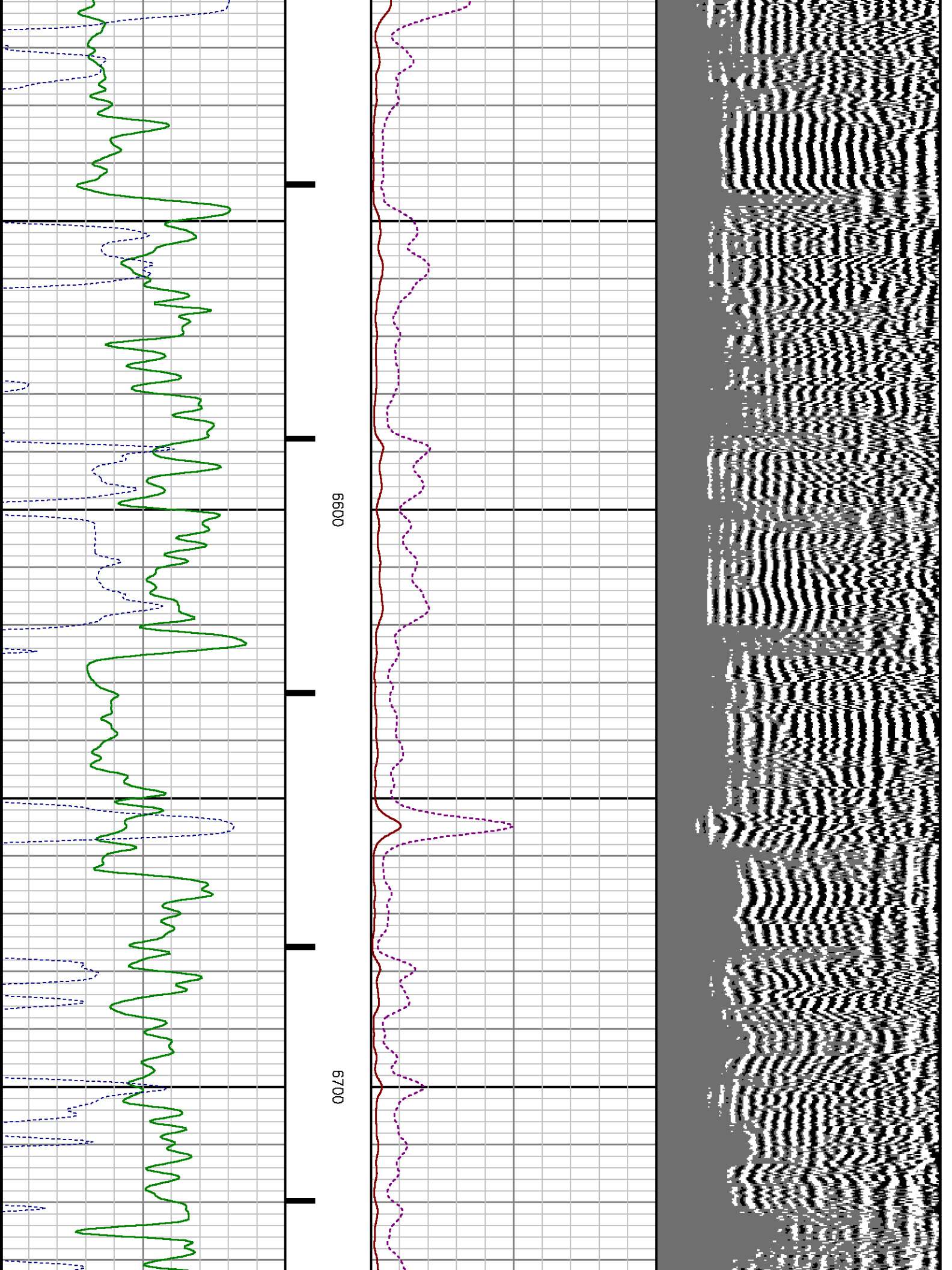


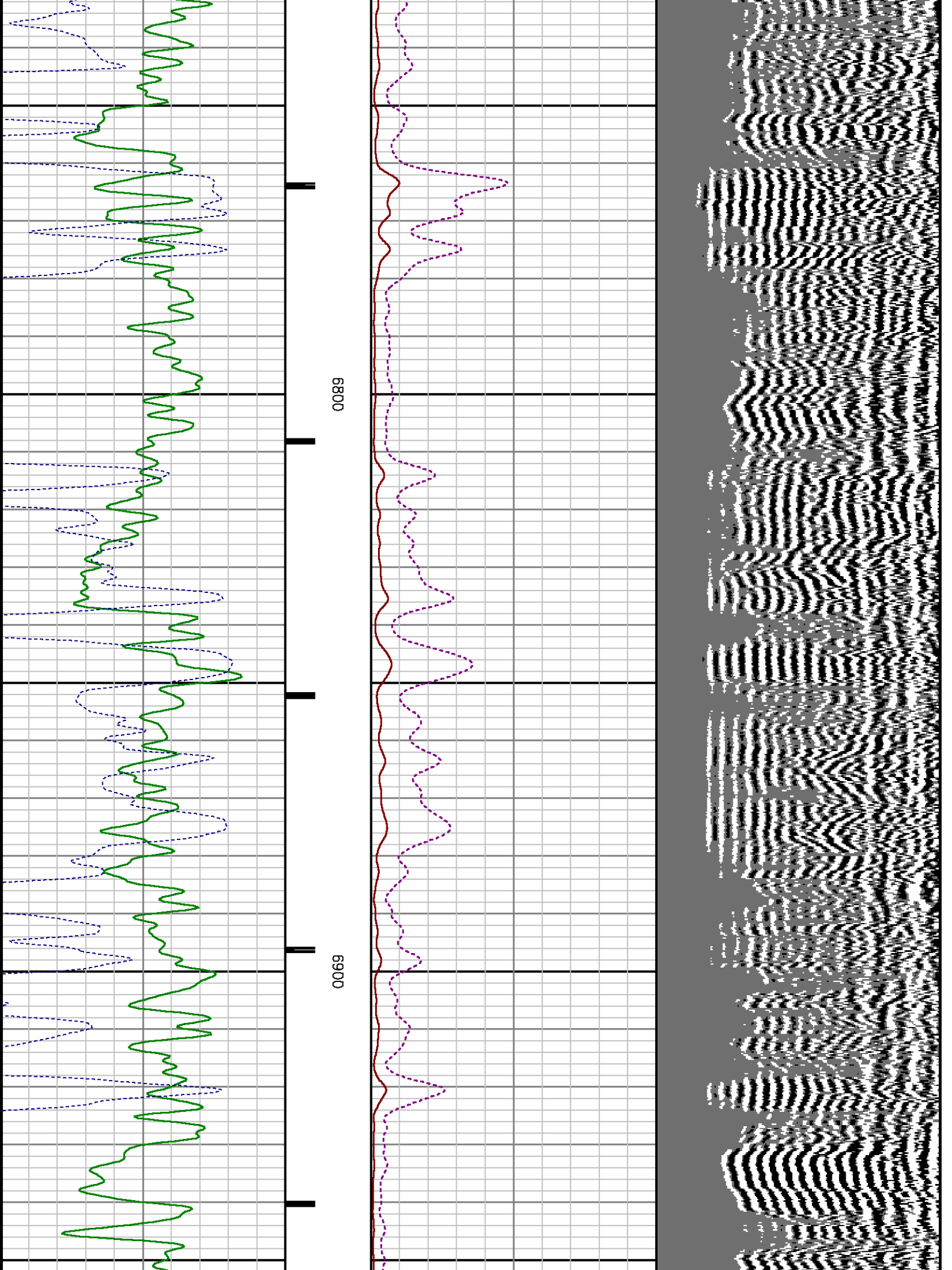


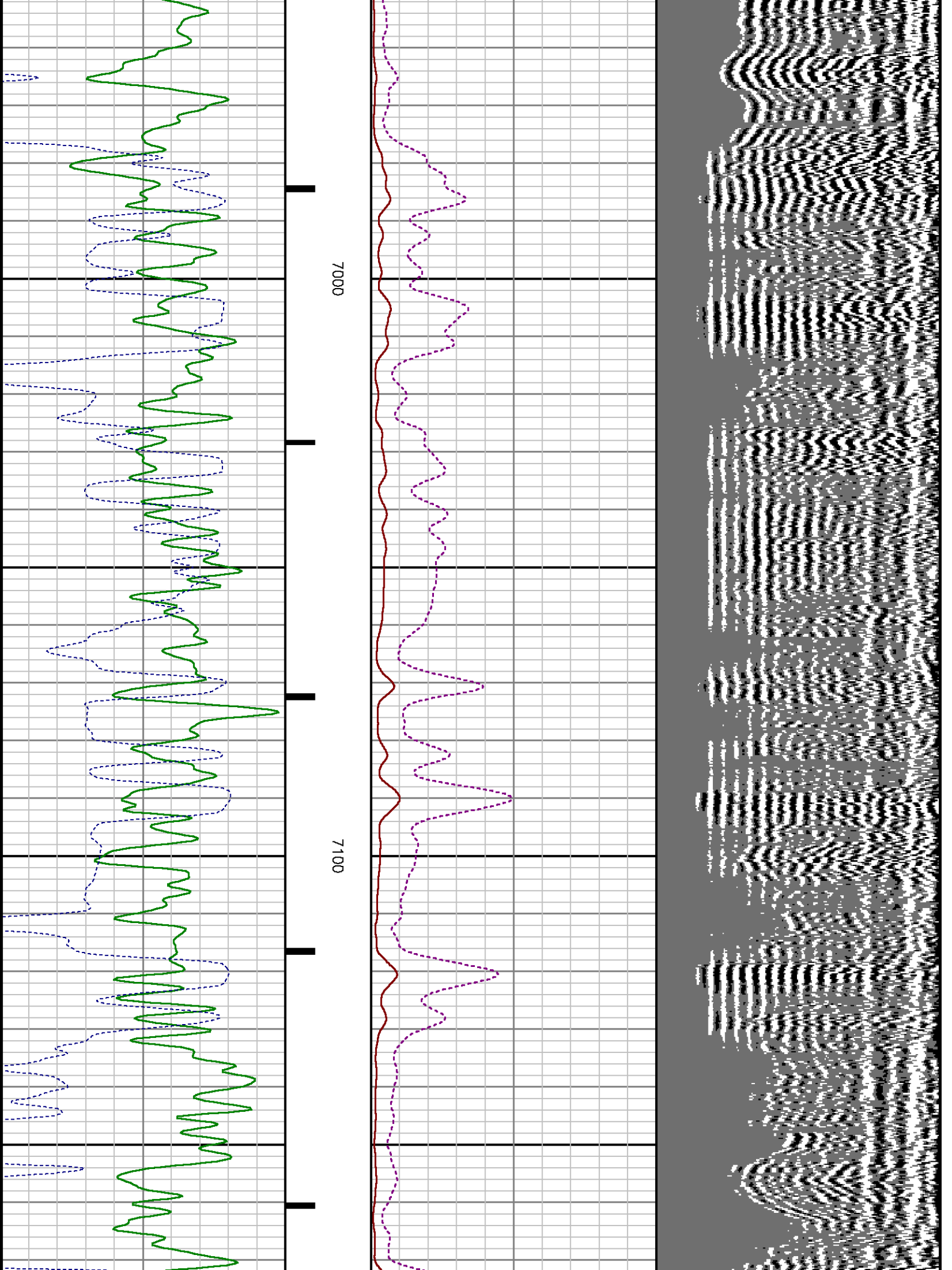


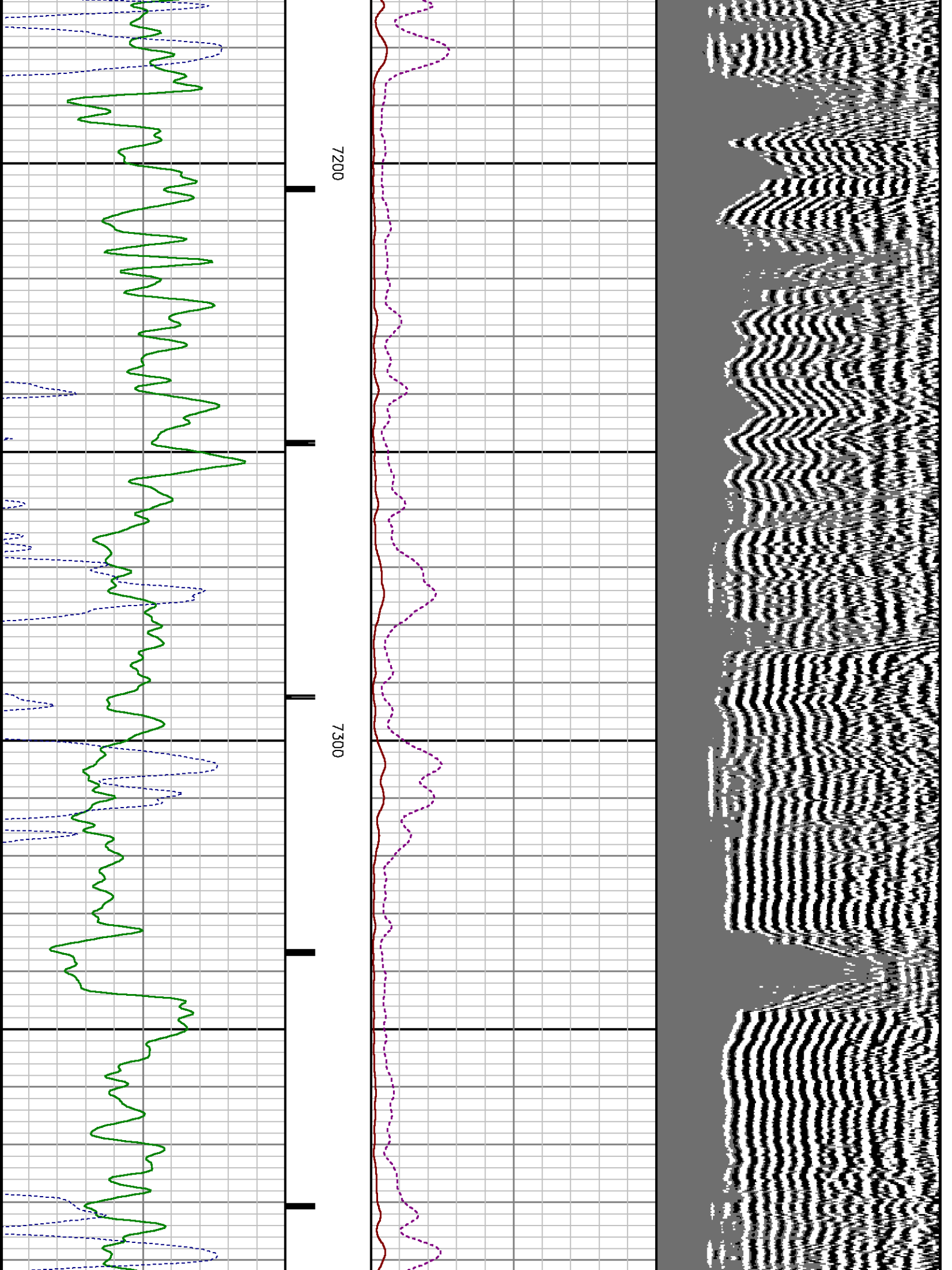


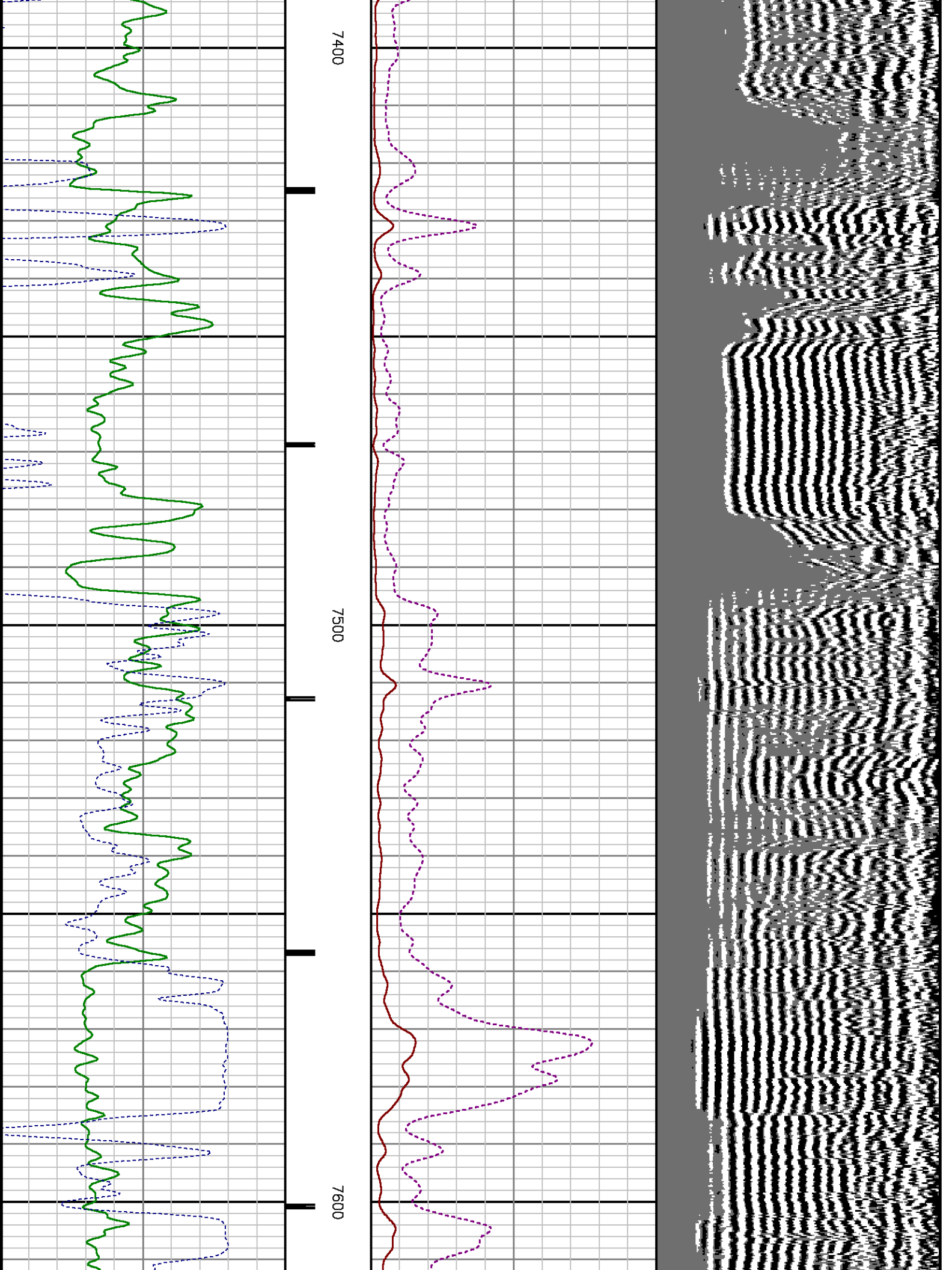


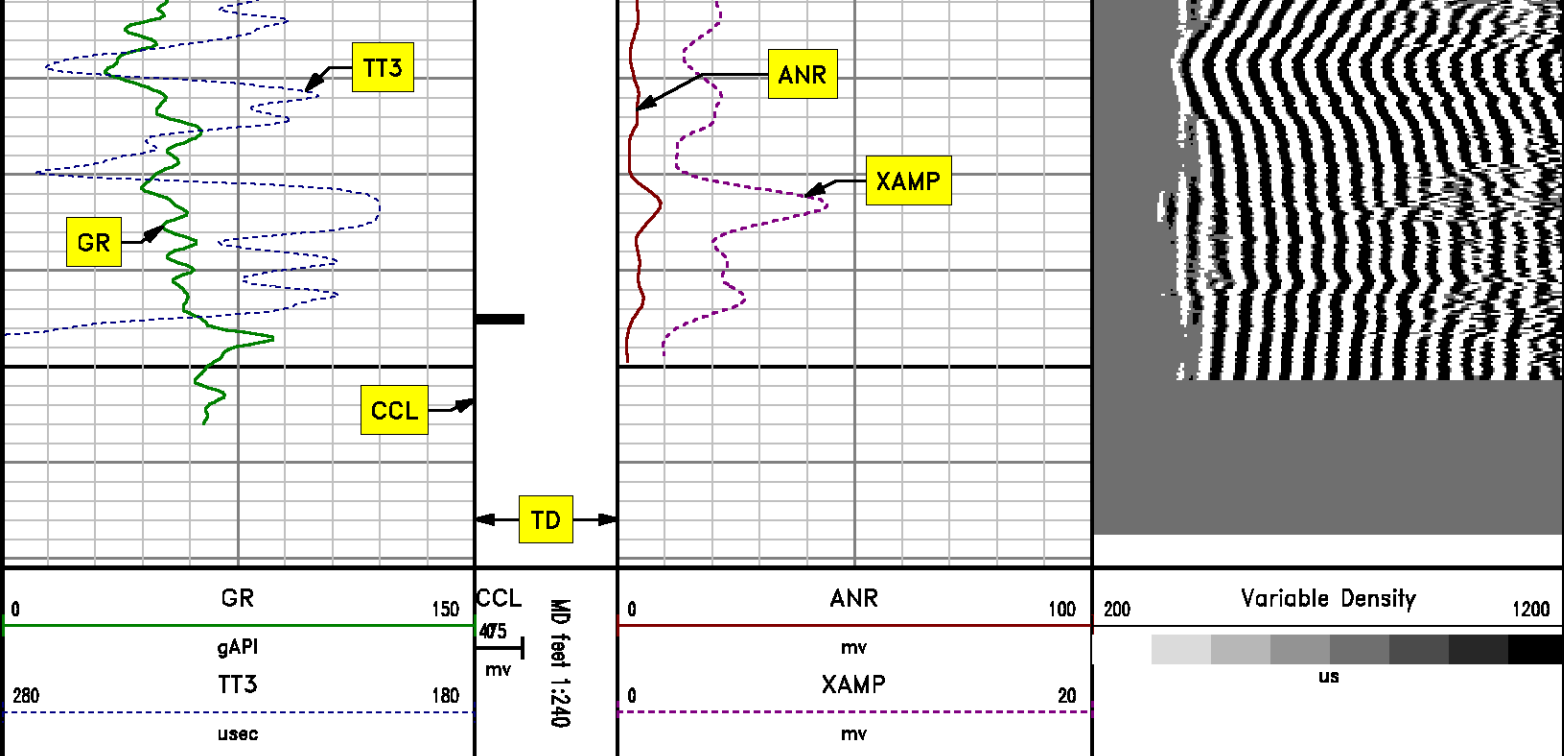












SECONDARY PRESENTATION

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	34.156	7667.250
RAL	Amp Gate Start Near	195.000	usec	34.156	7667.250
RAL	Amp Gate Start Radial	195.000	usec	34.156	7667.250
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RAL	casing wt	11.600	lbm/ft	34.156	7667.250
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RAL	FB Thresh Near	4.000	mv	34.156	7667.250
RAL	FB Thresh Radial	4.000	mv	34.156	7667.250
RAL	Fluid Travel Time	200.000	usec/ft	34.156	7667.000

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

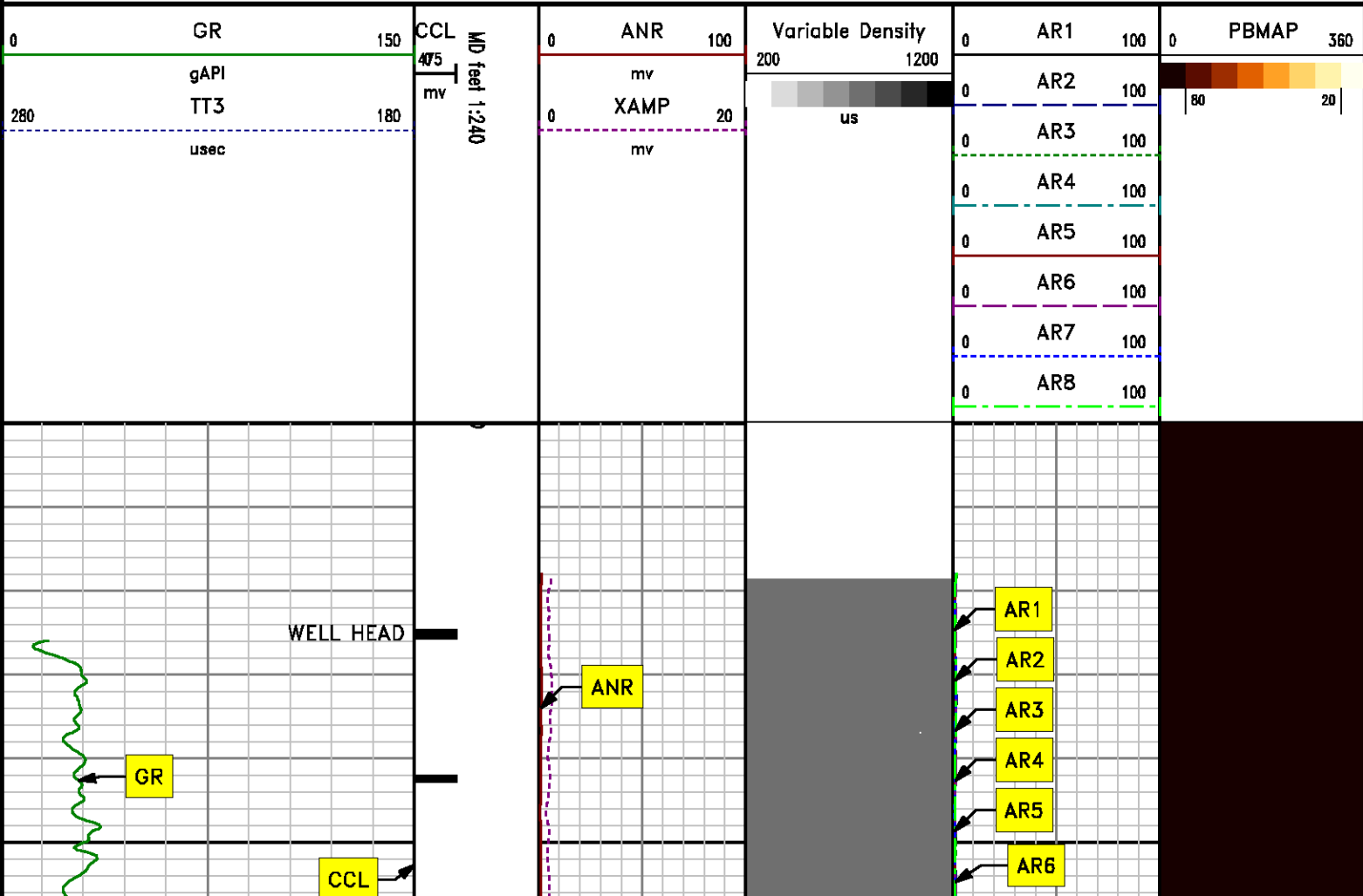
Well : WPX ENERGY PA 522-2

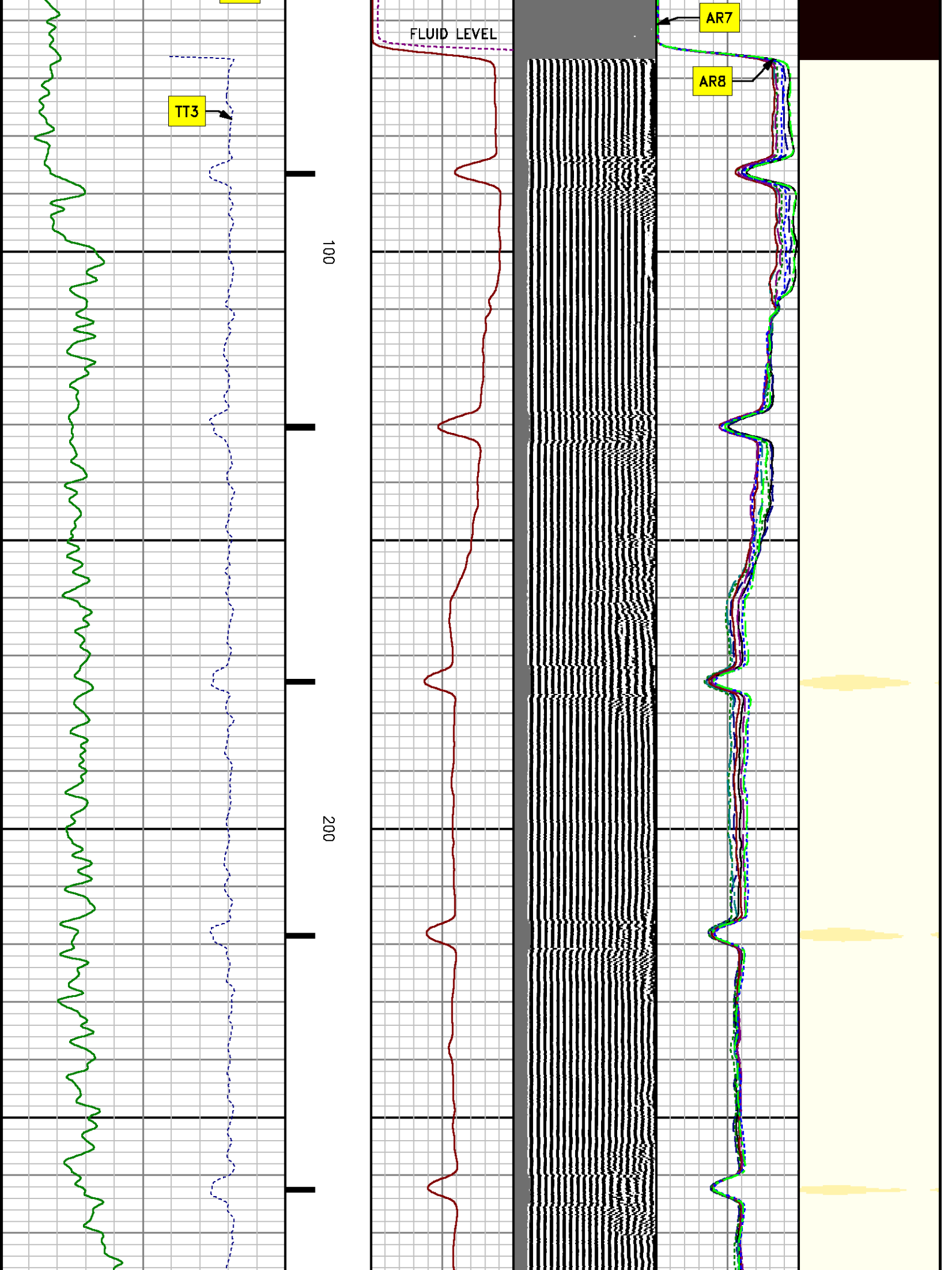
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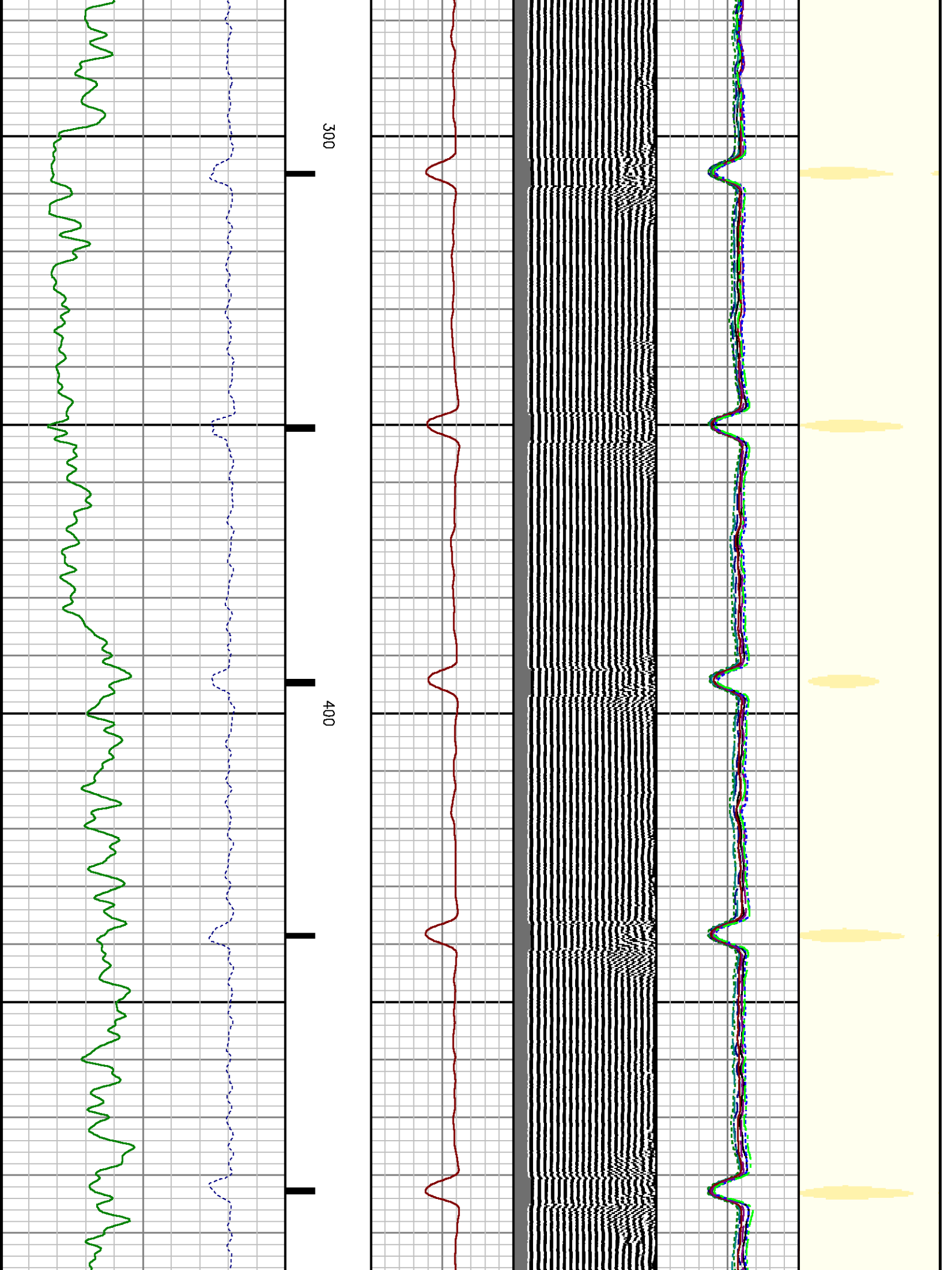
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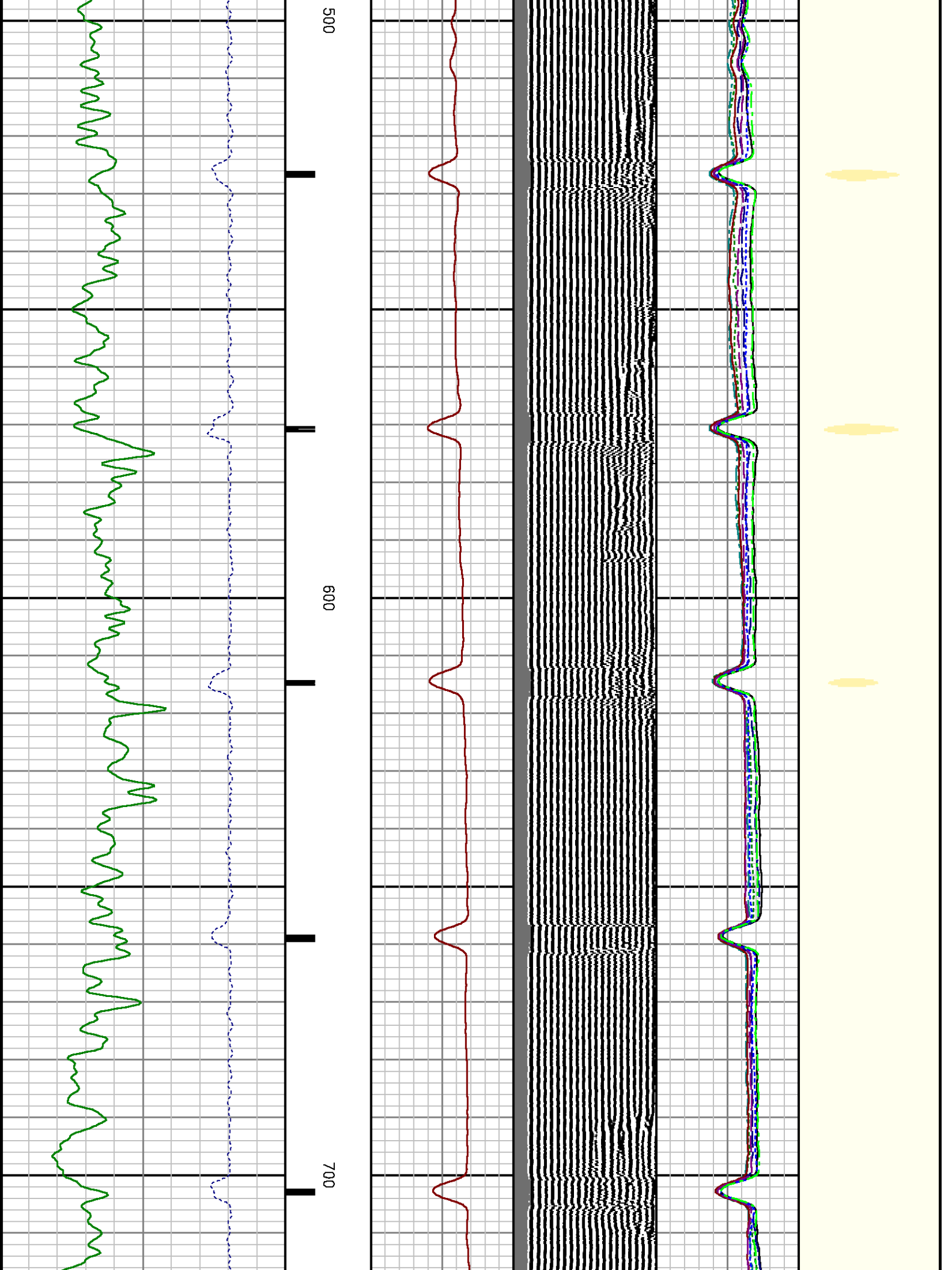
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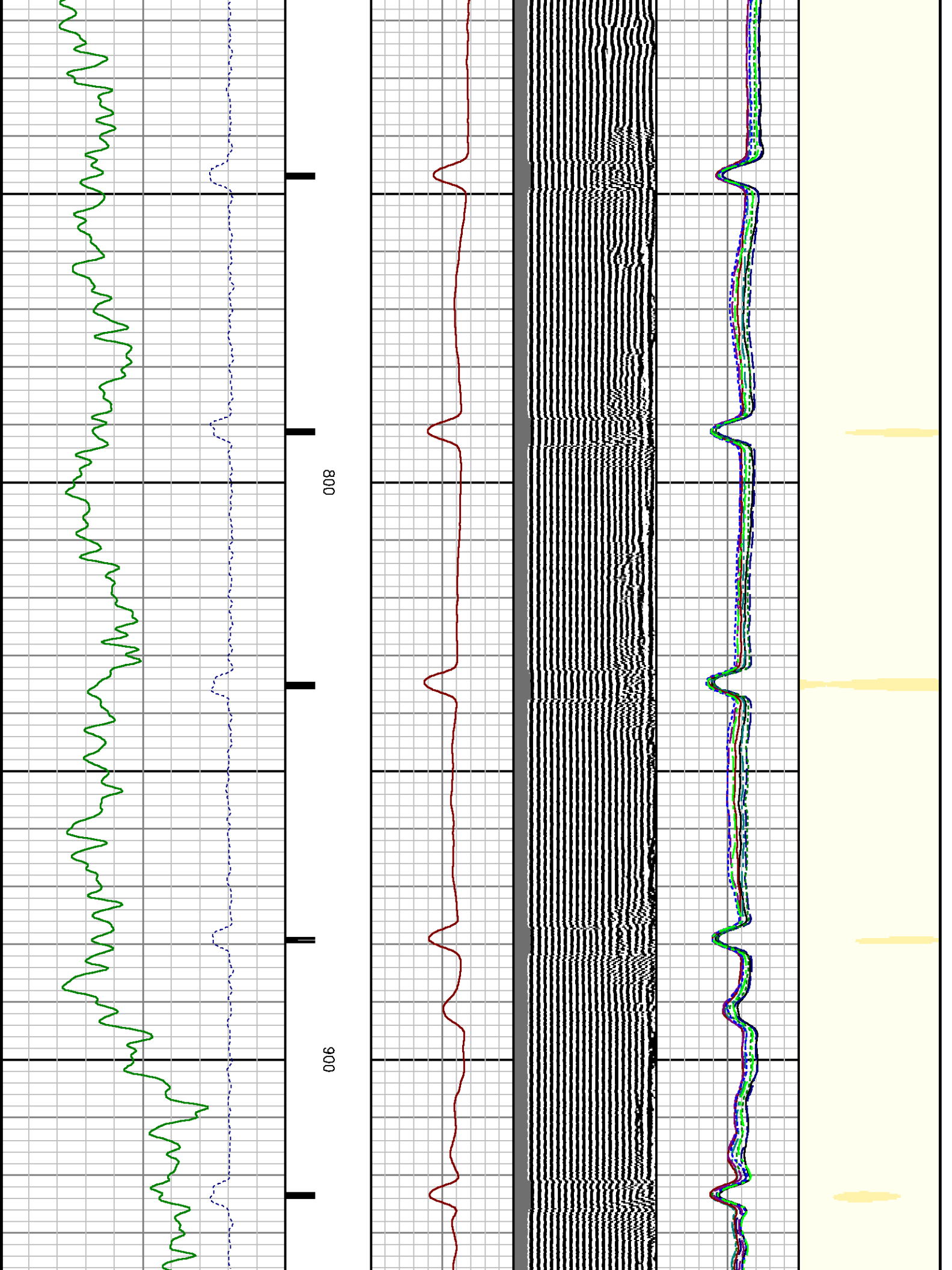
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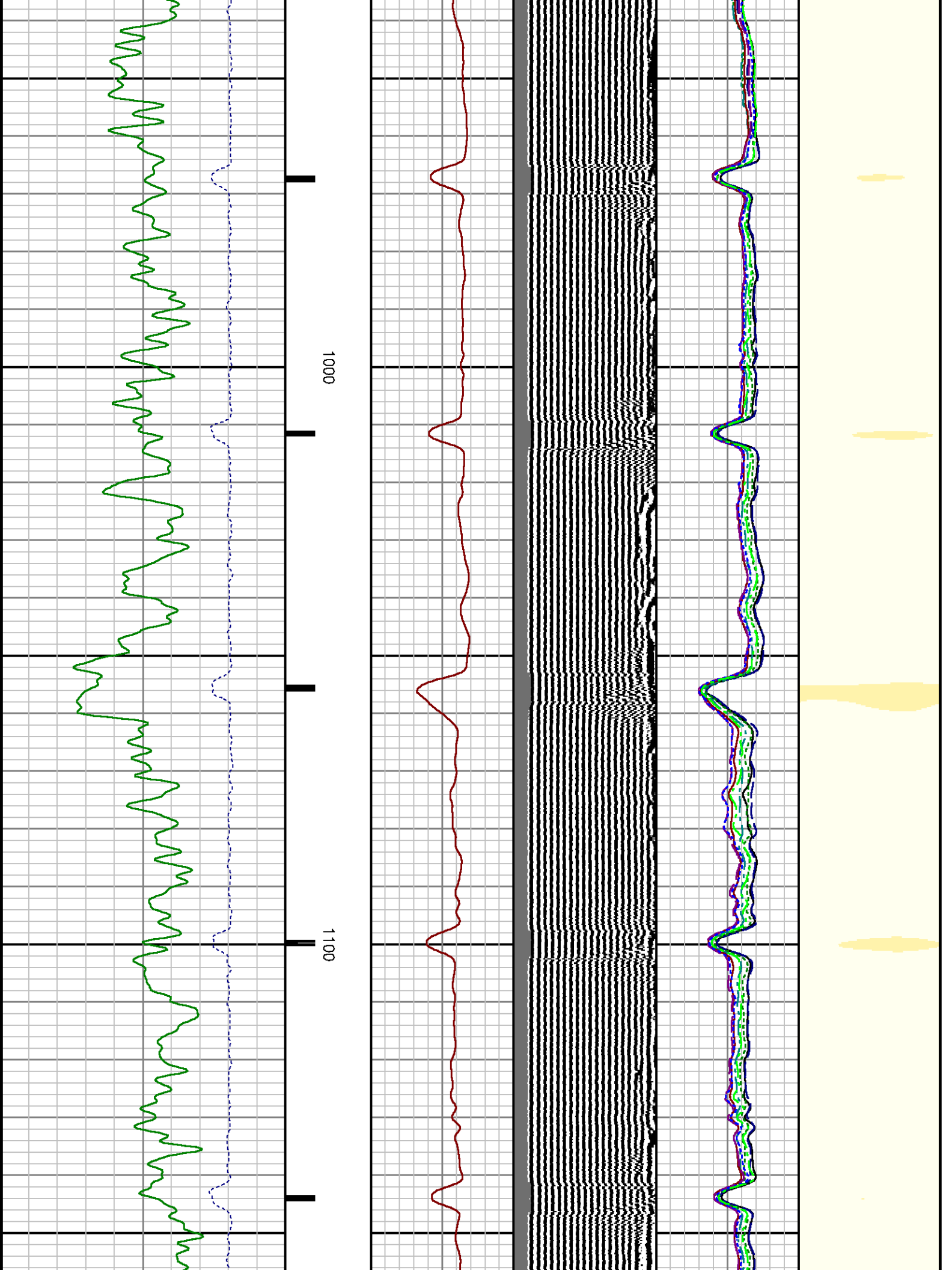


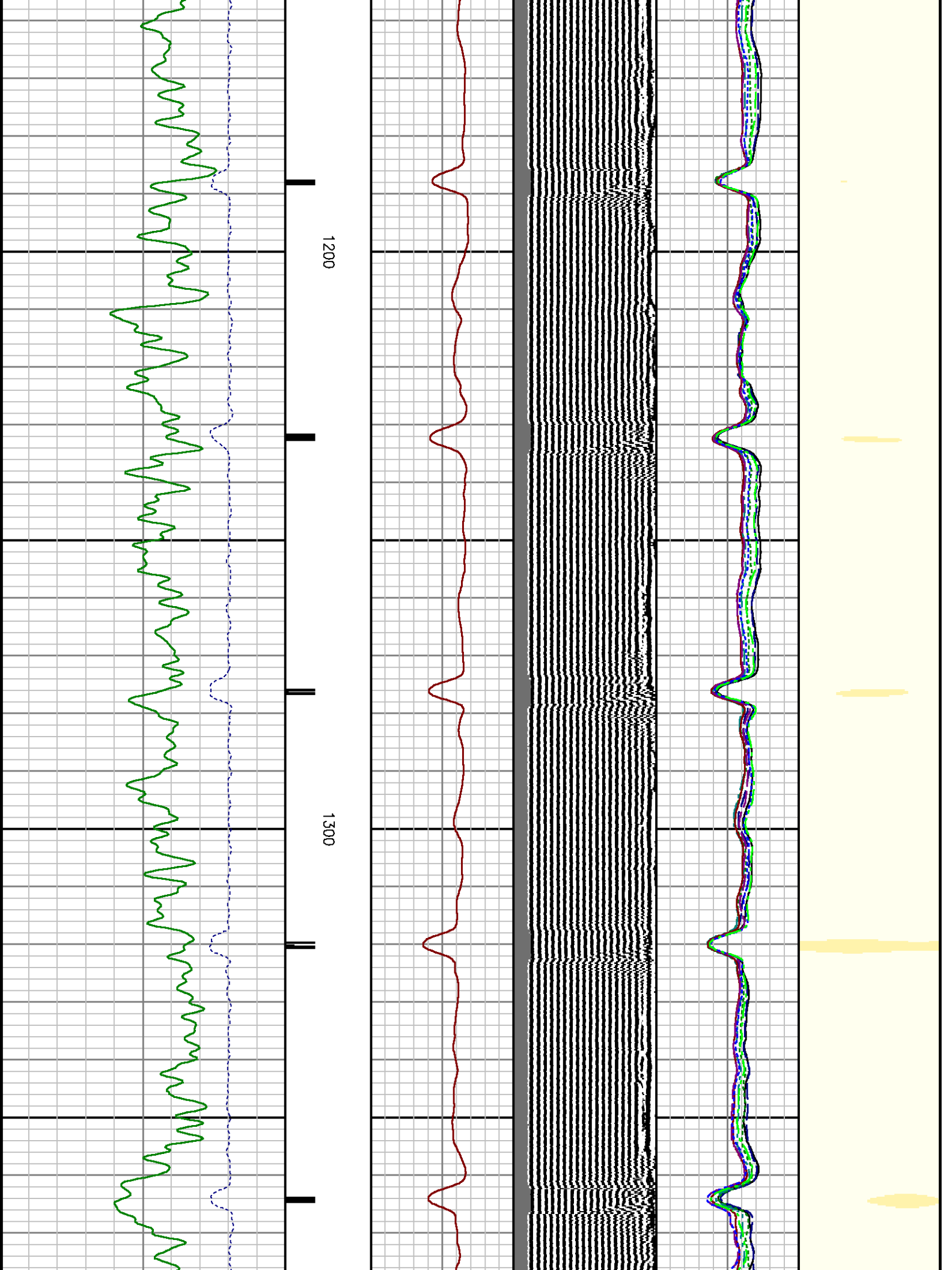


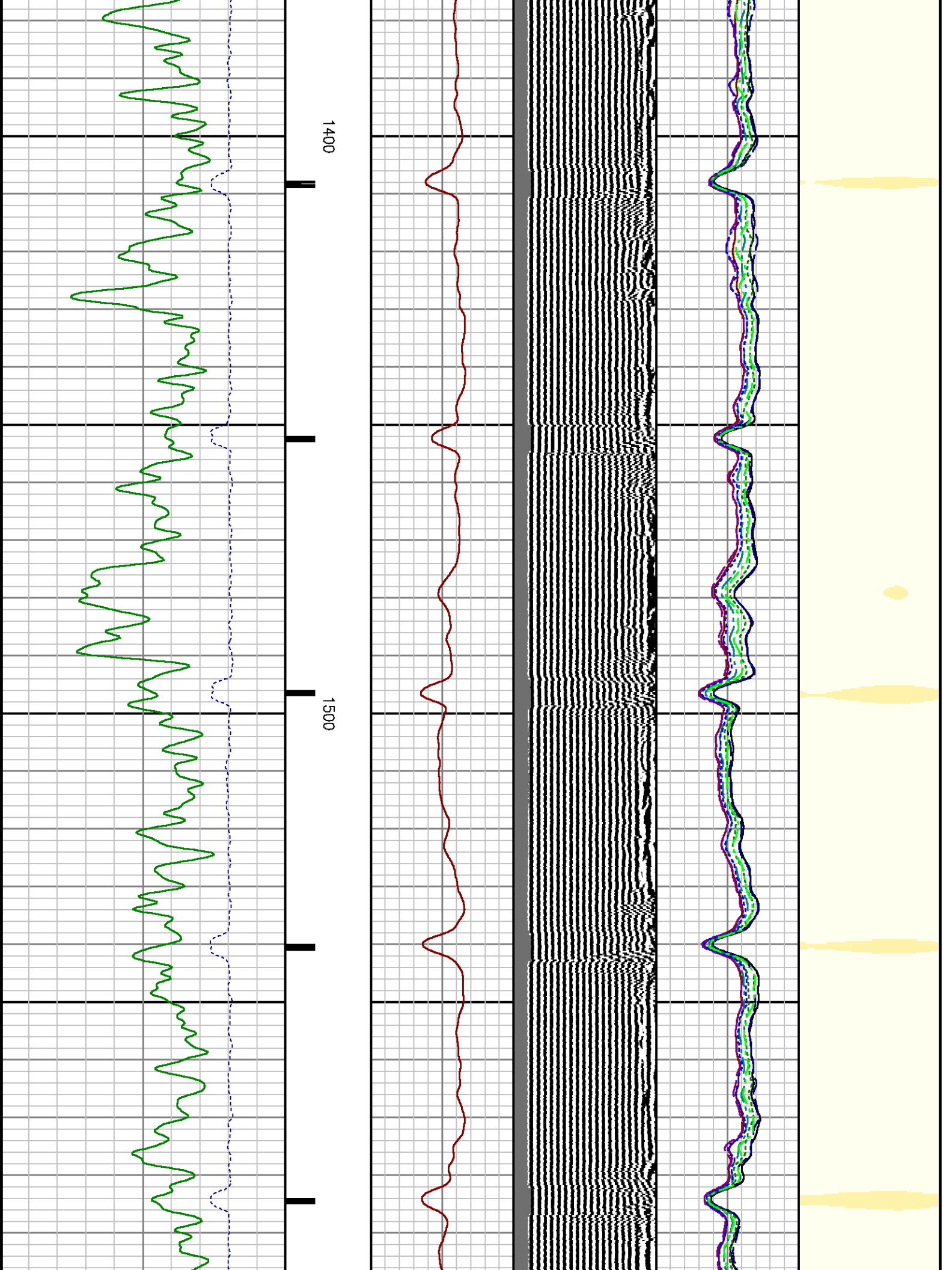


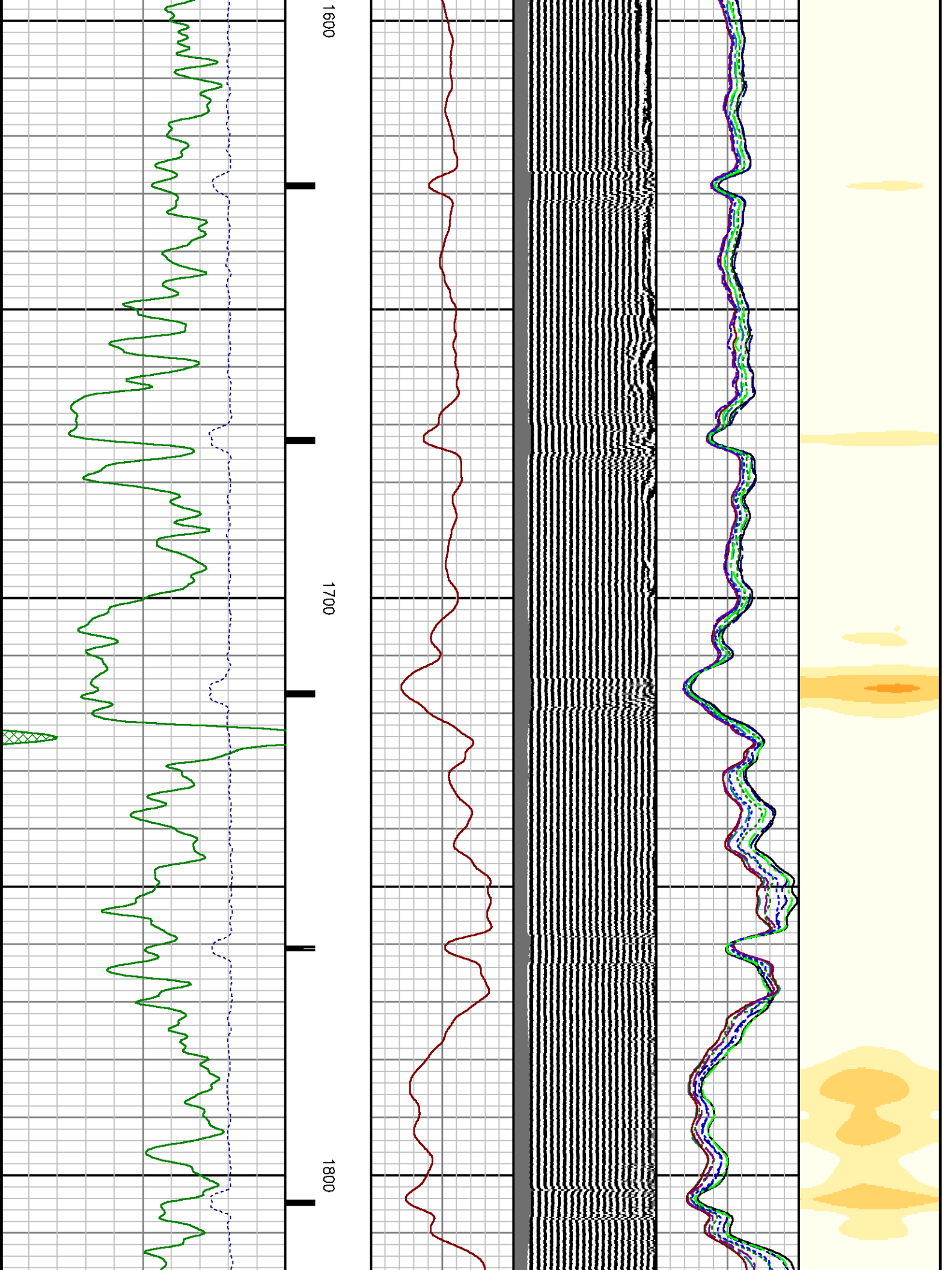


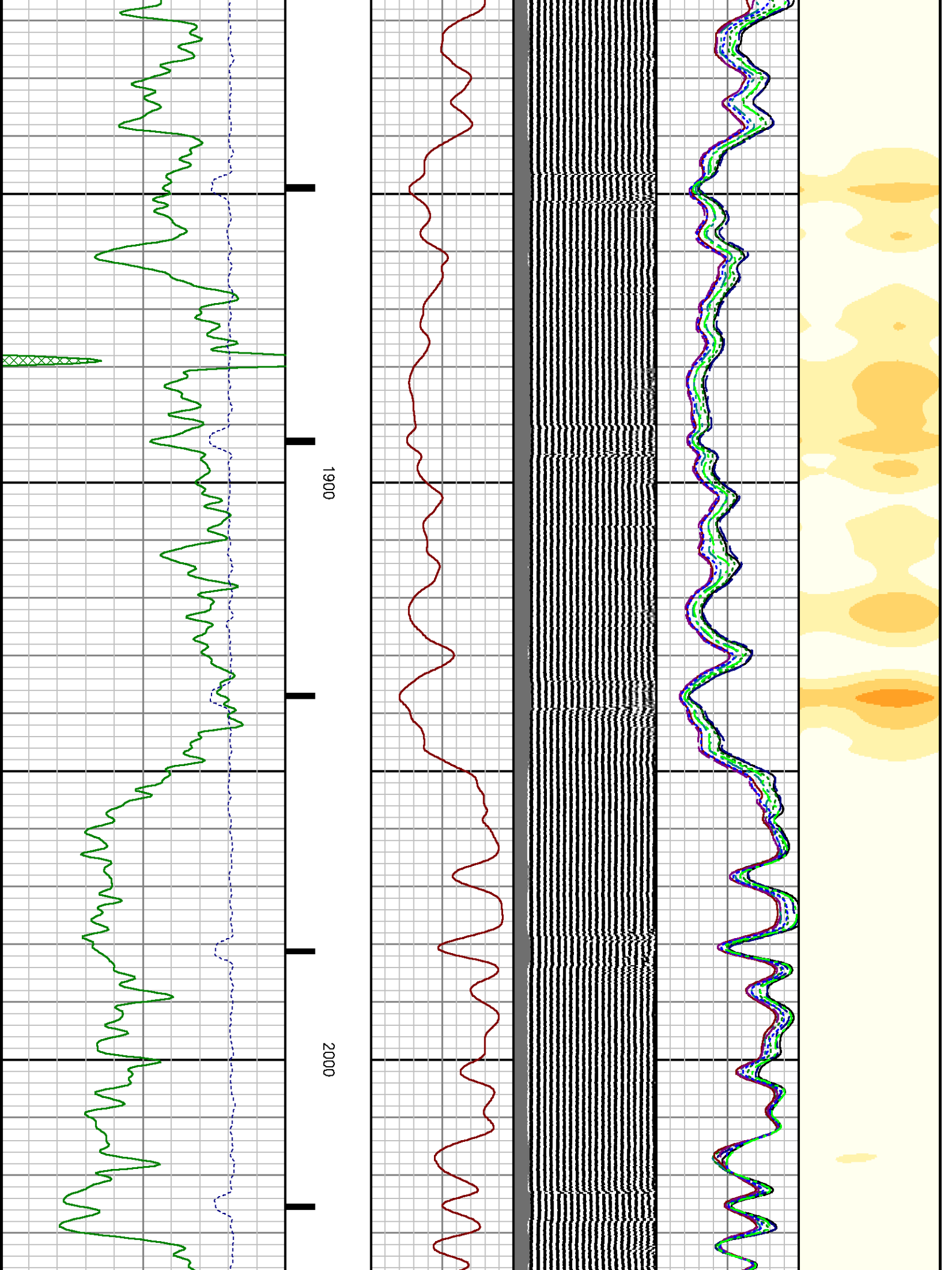


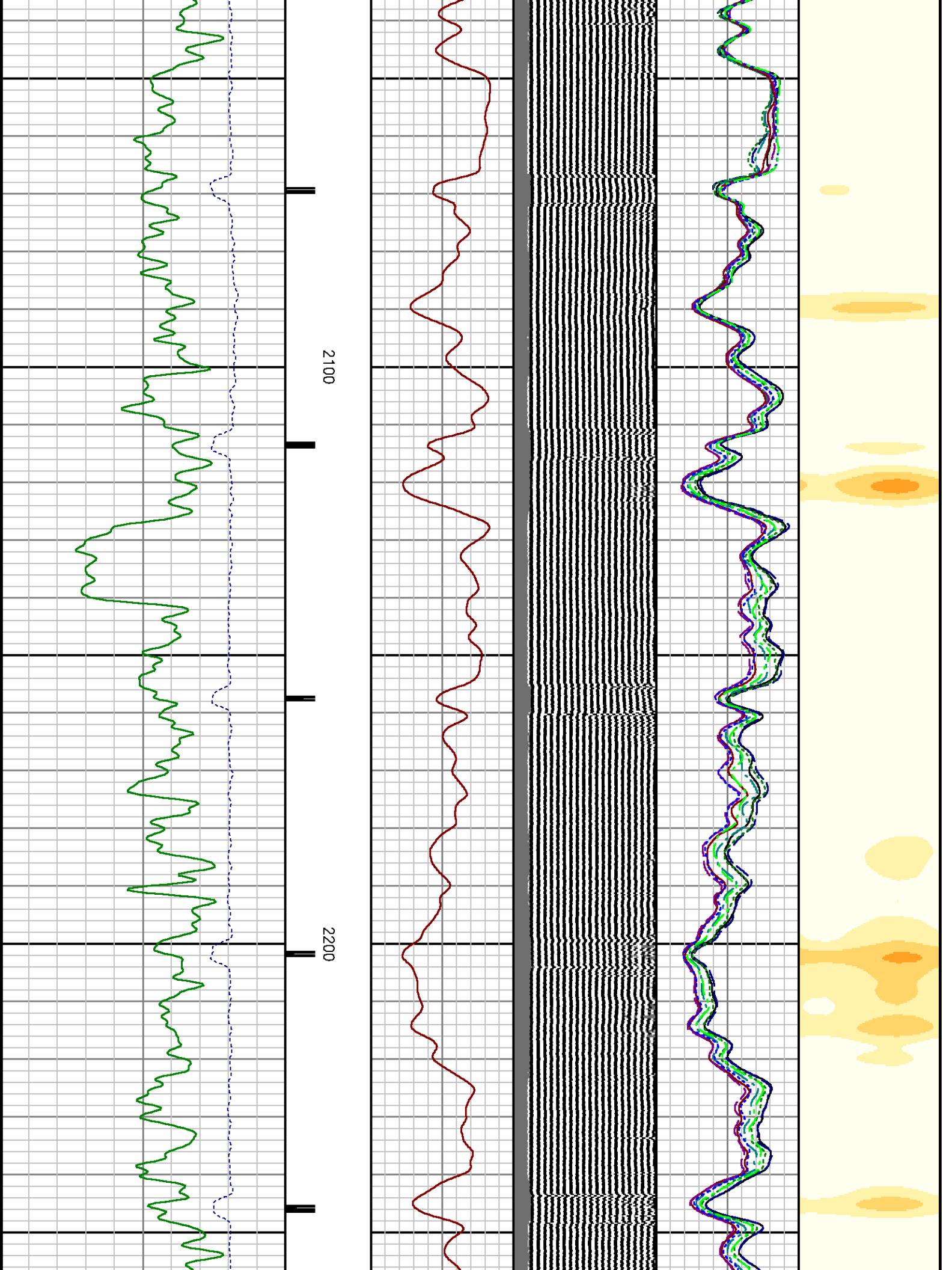


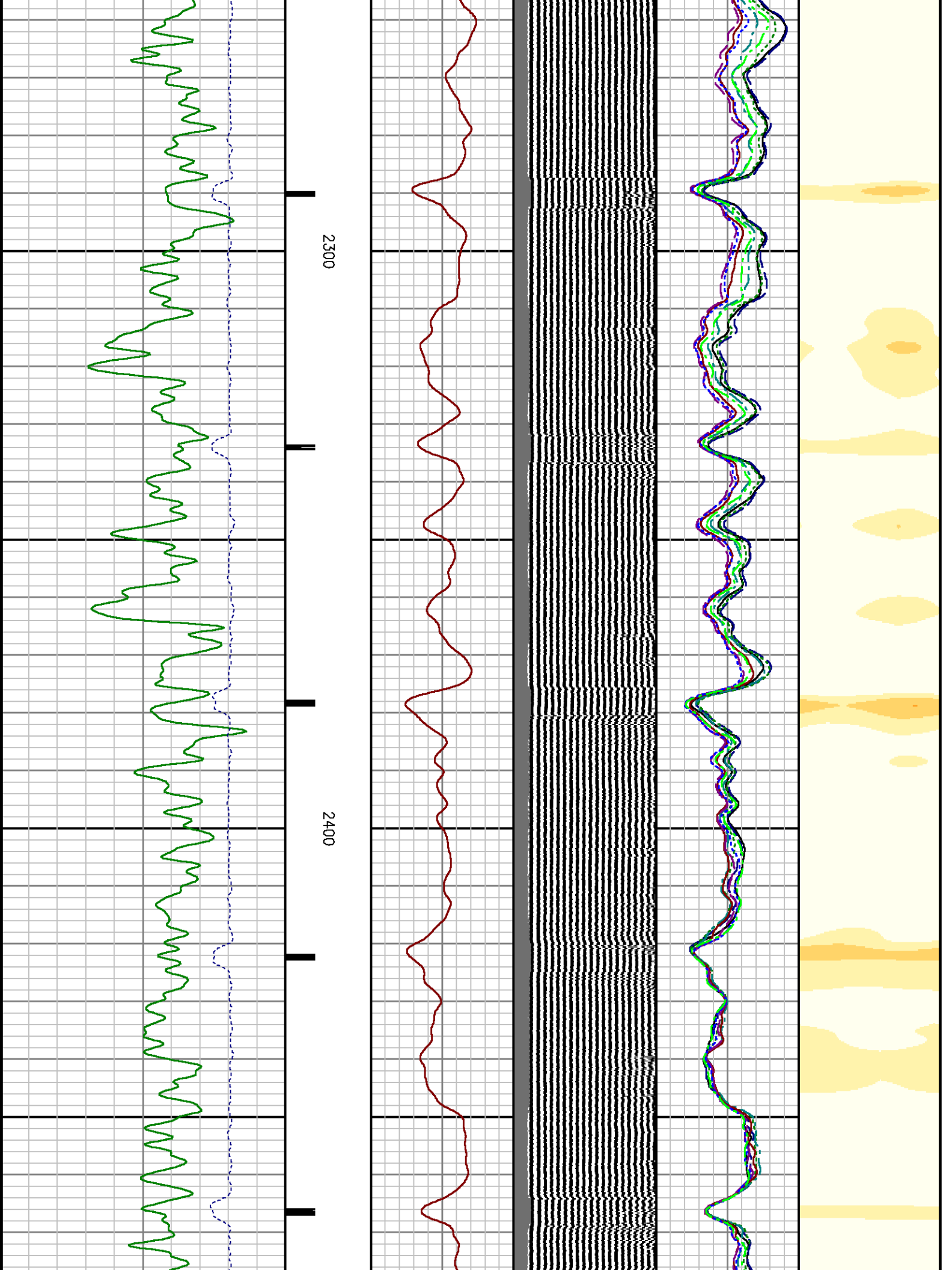


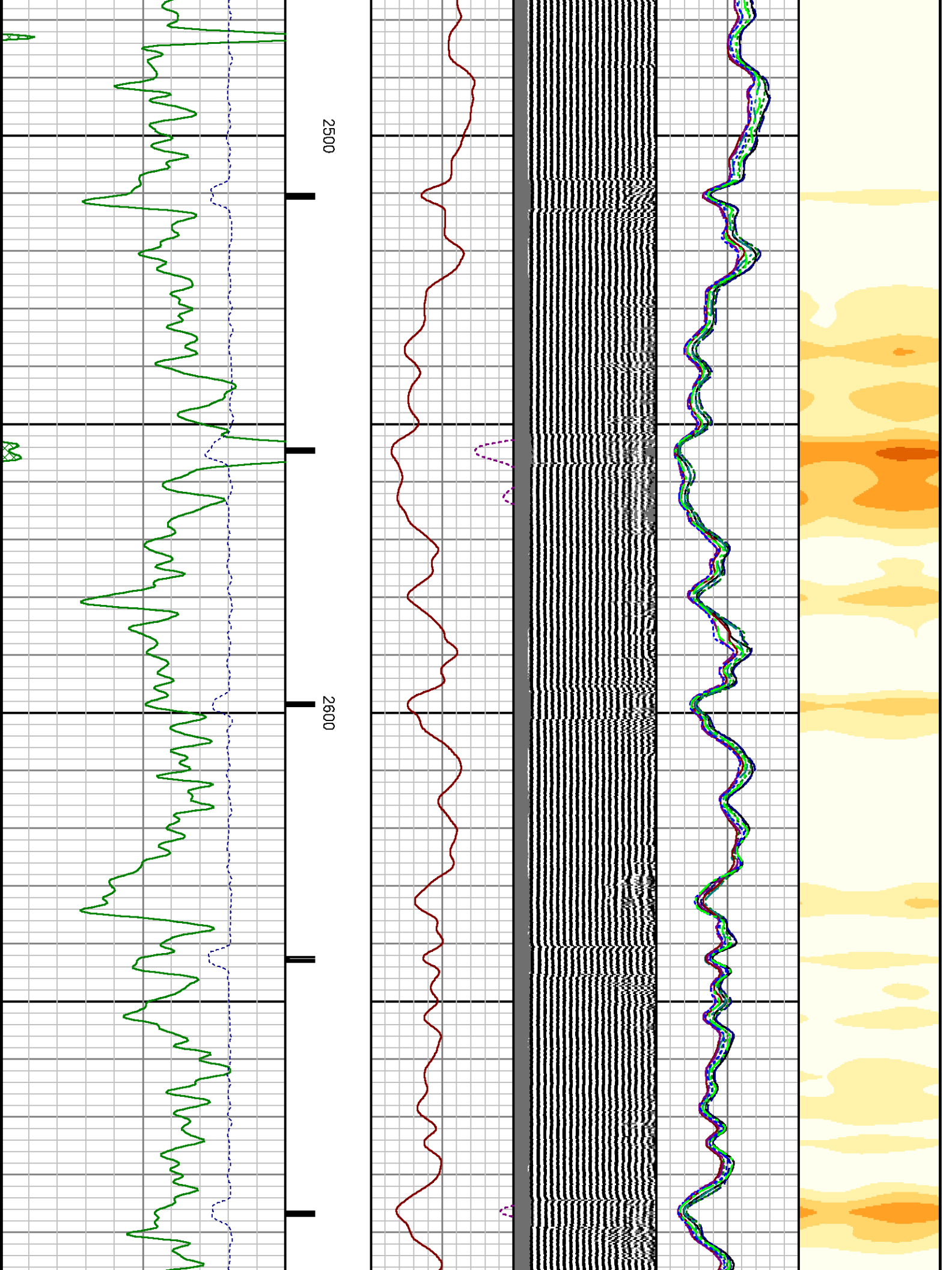


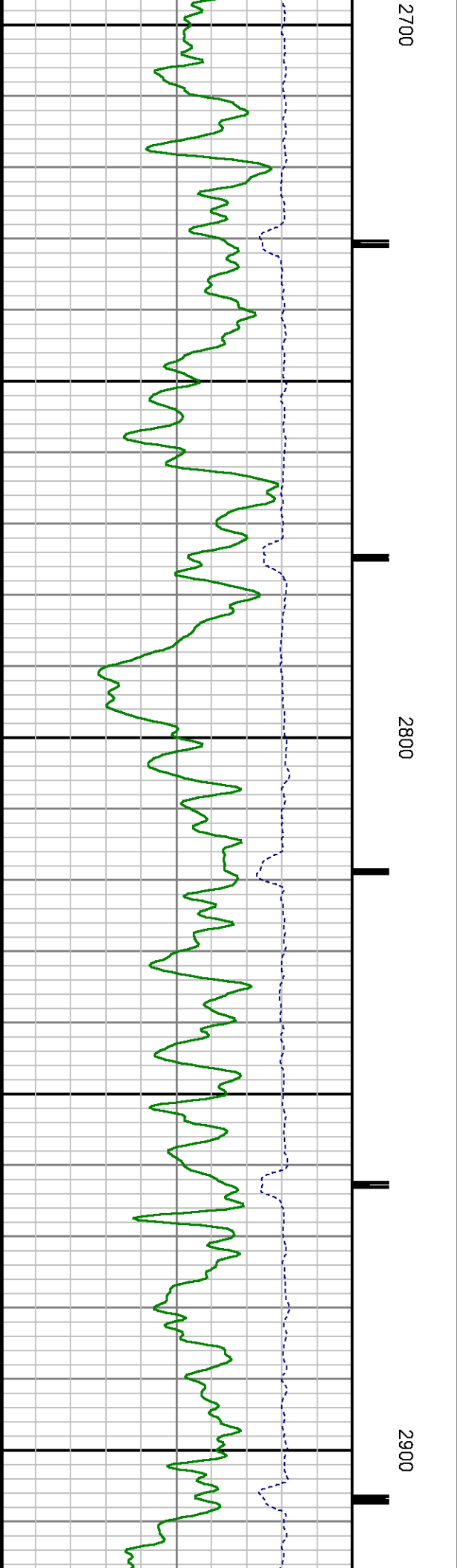
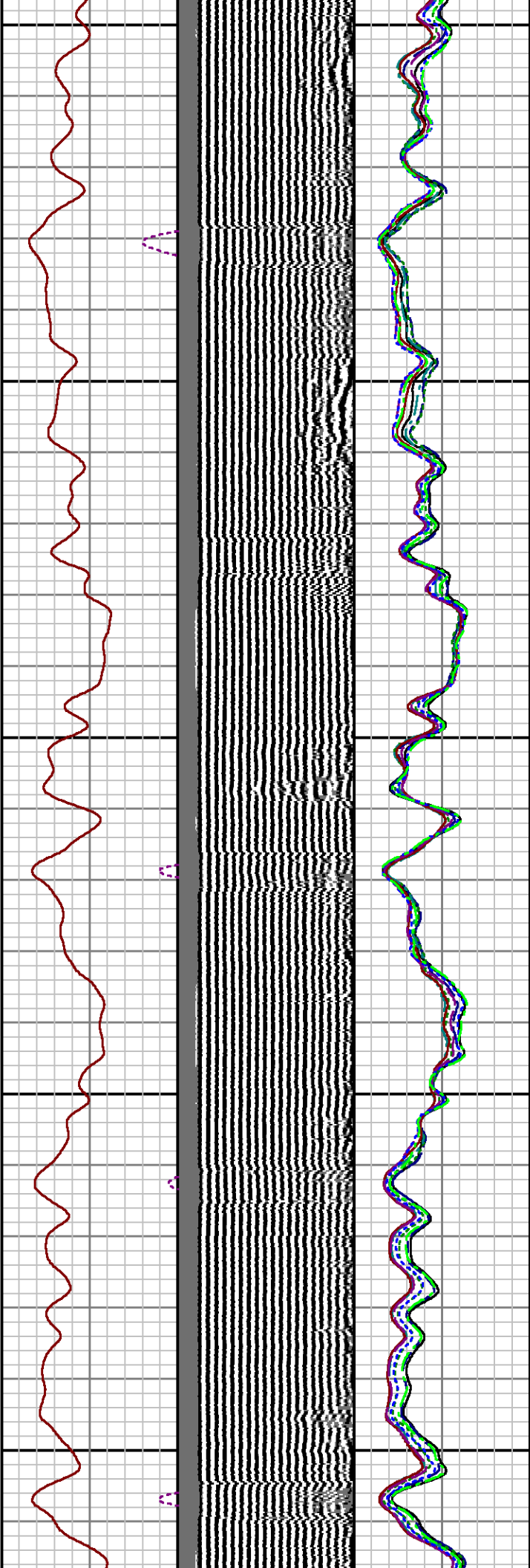


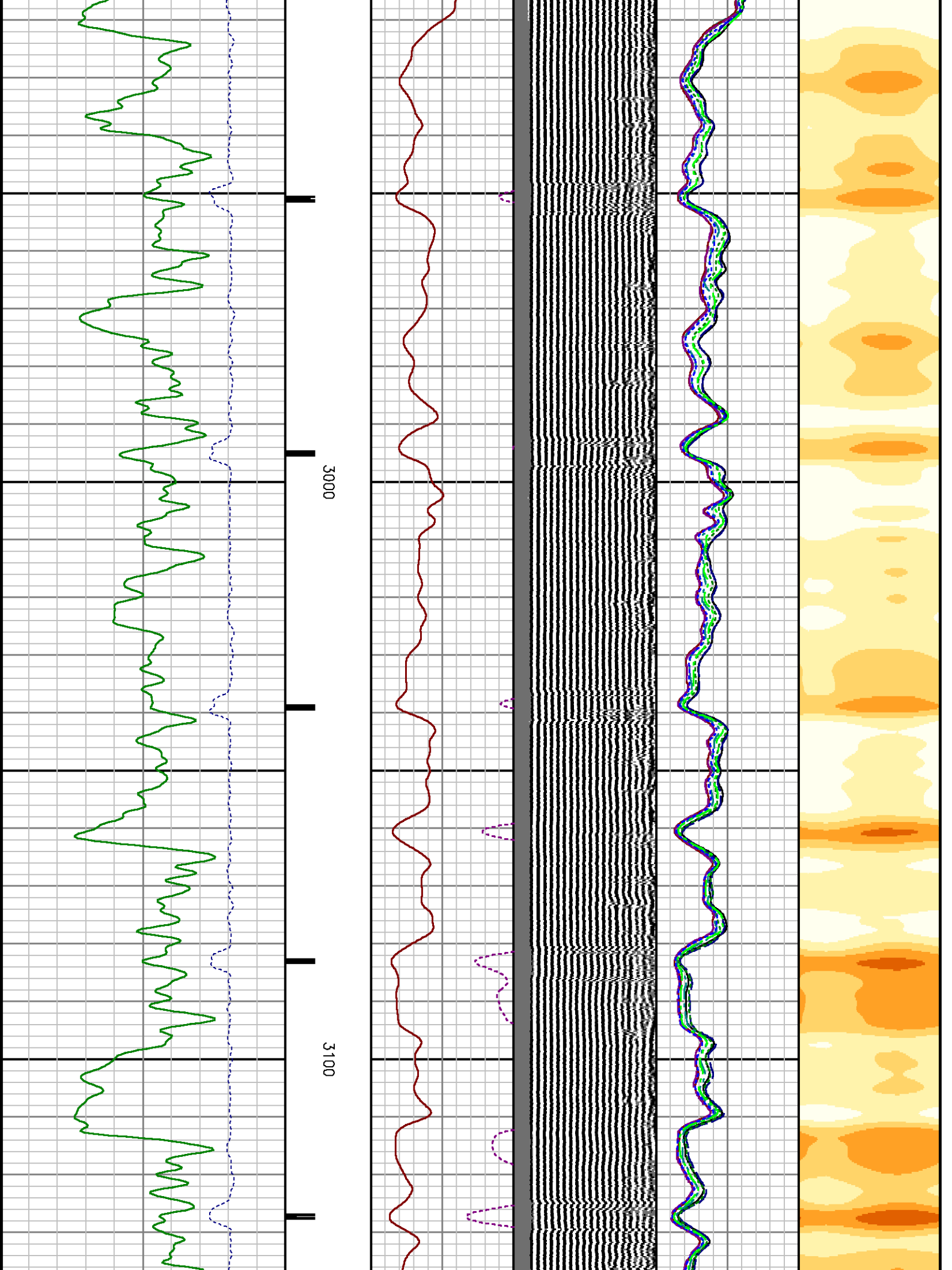


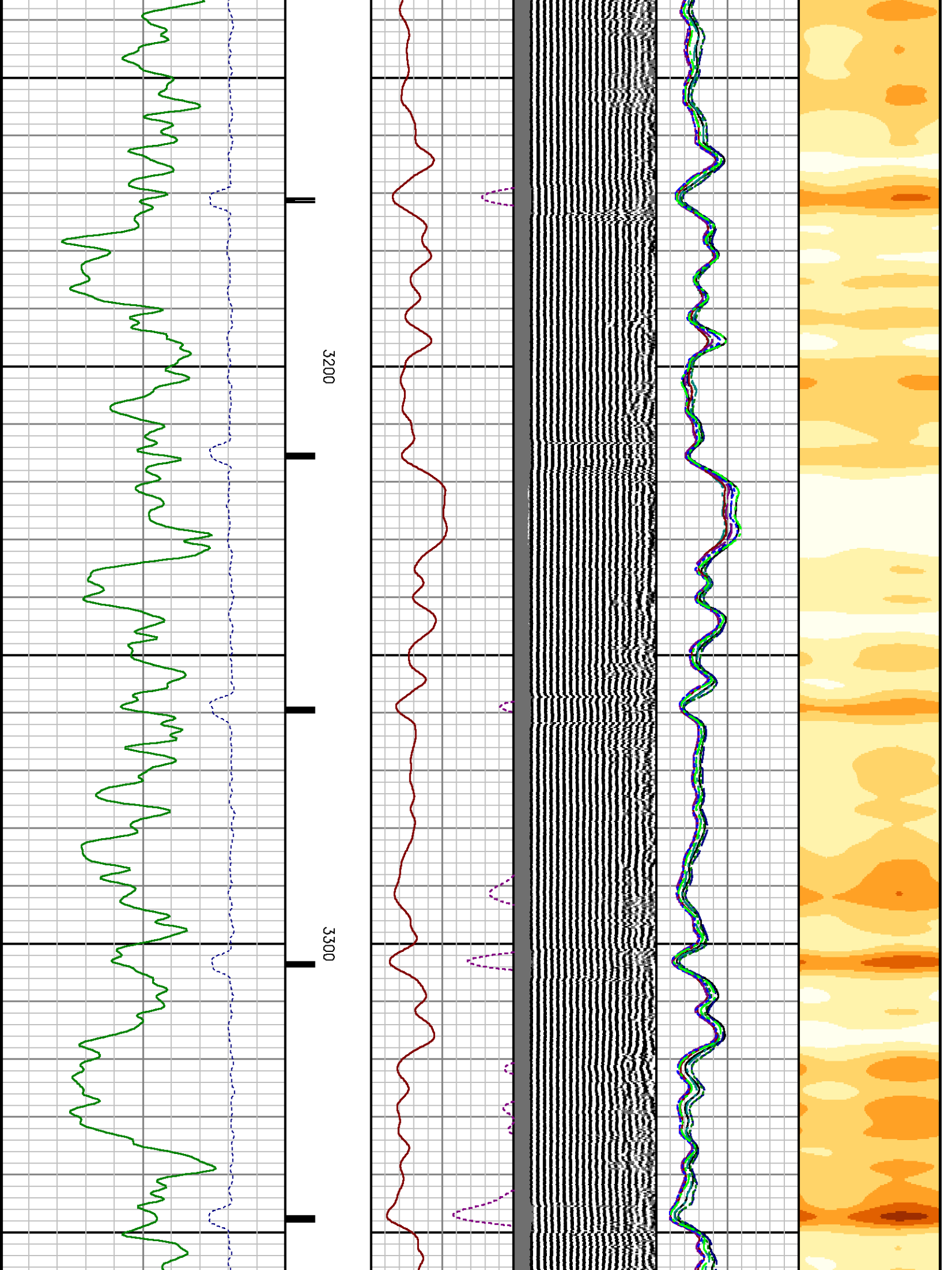


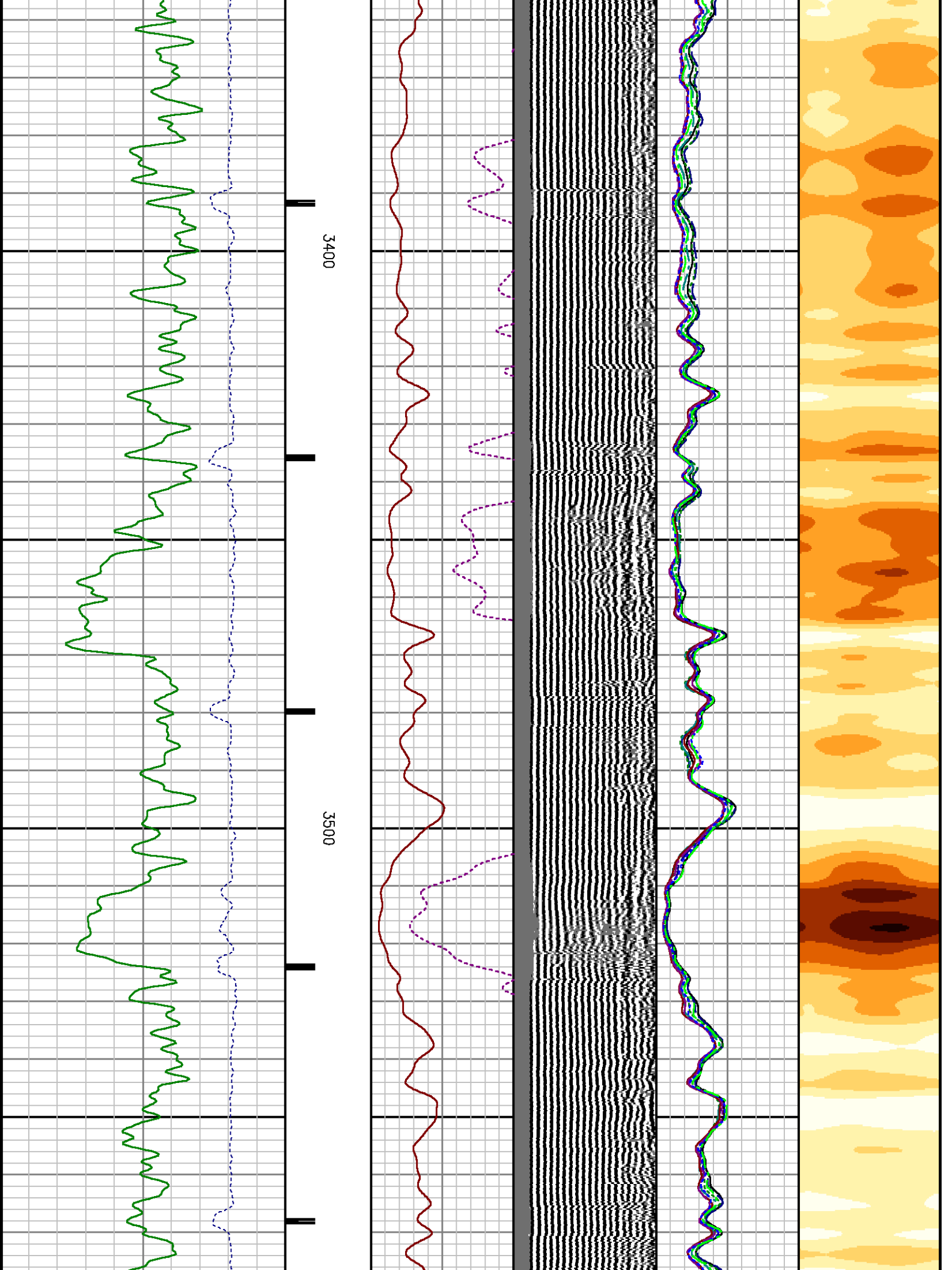


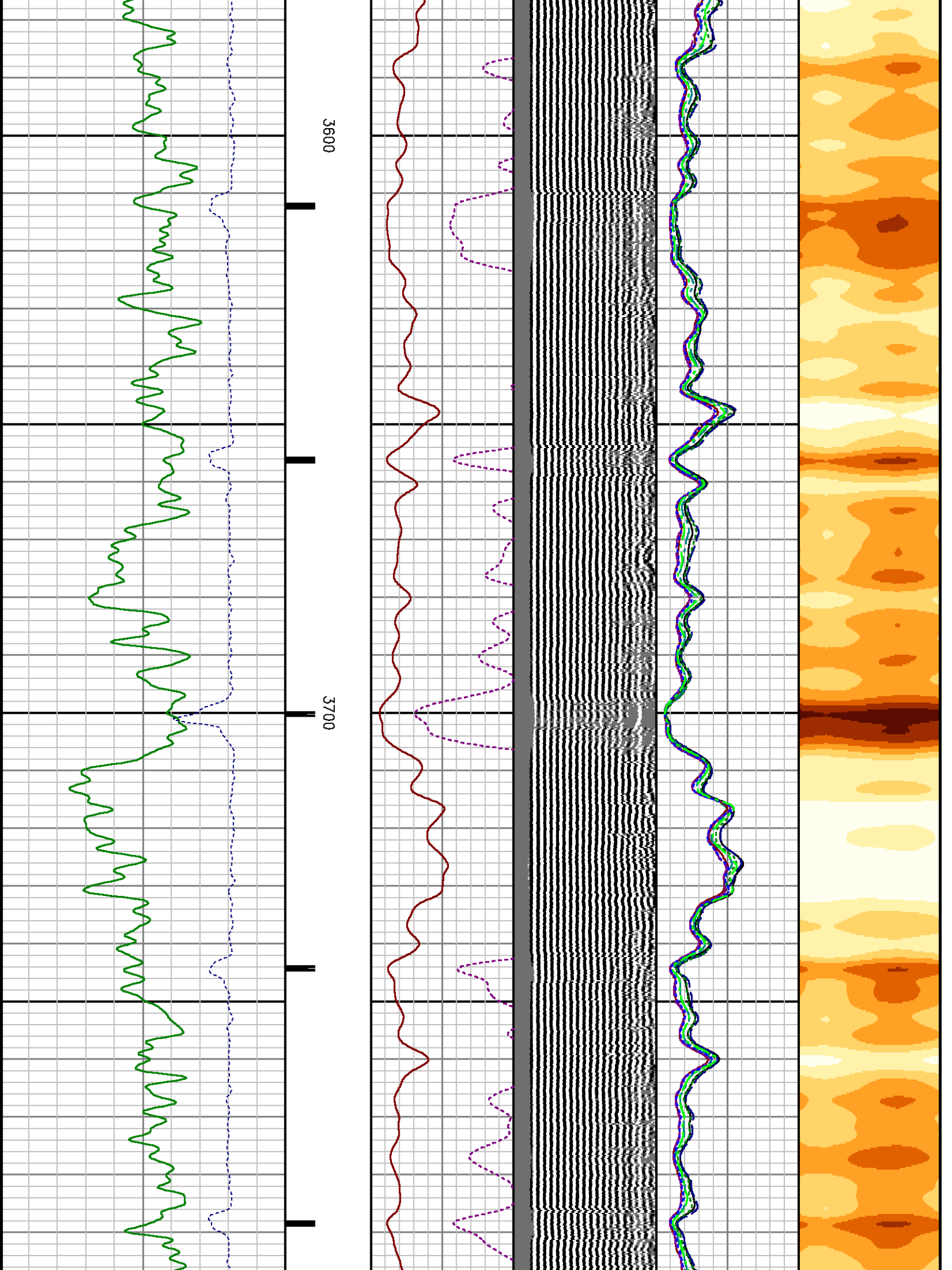


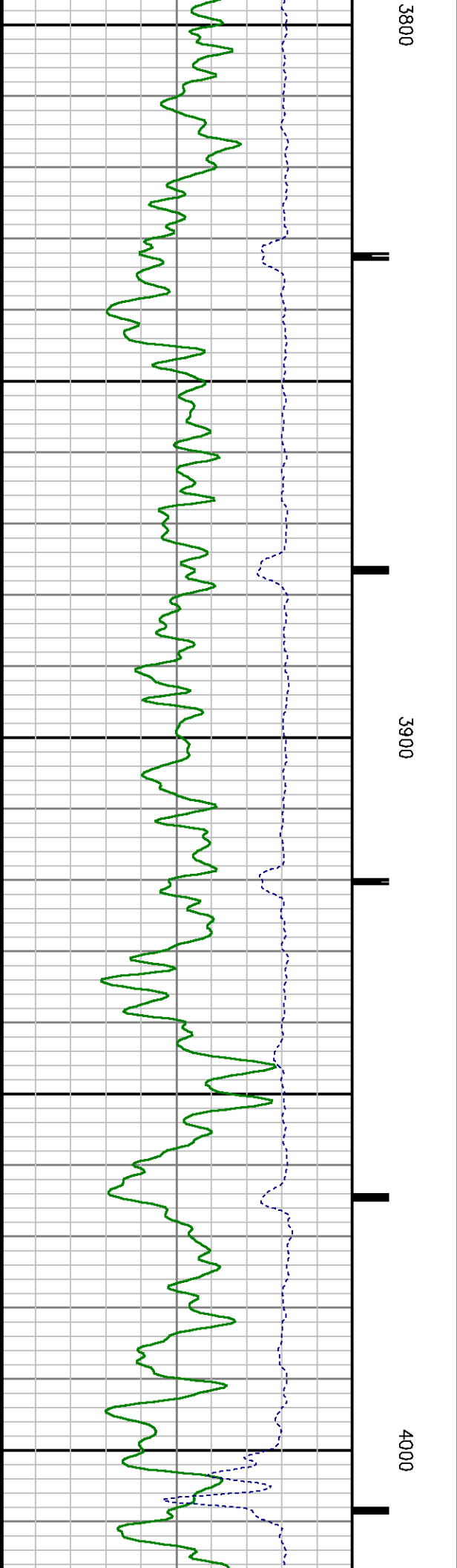
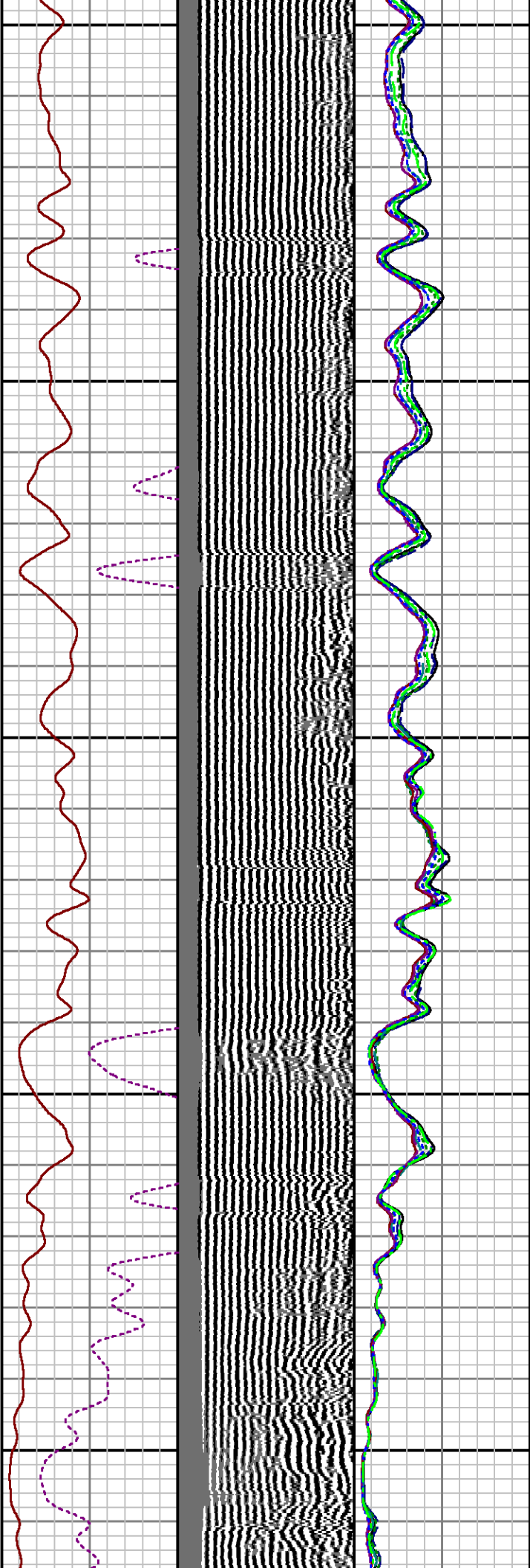


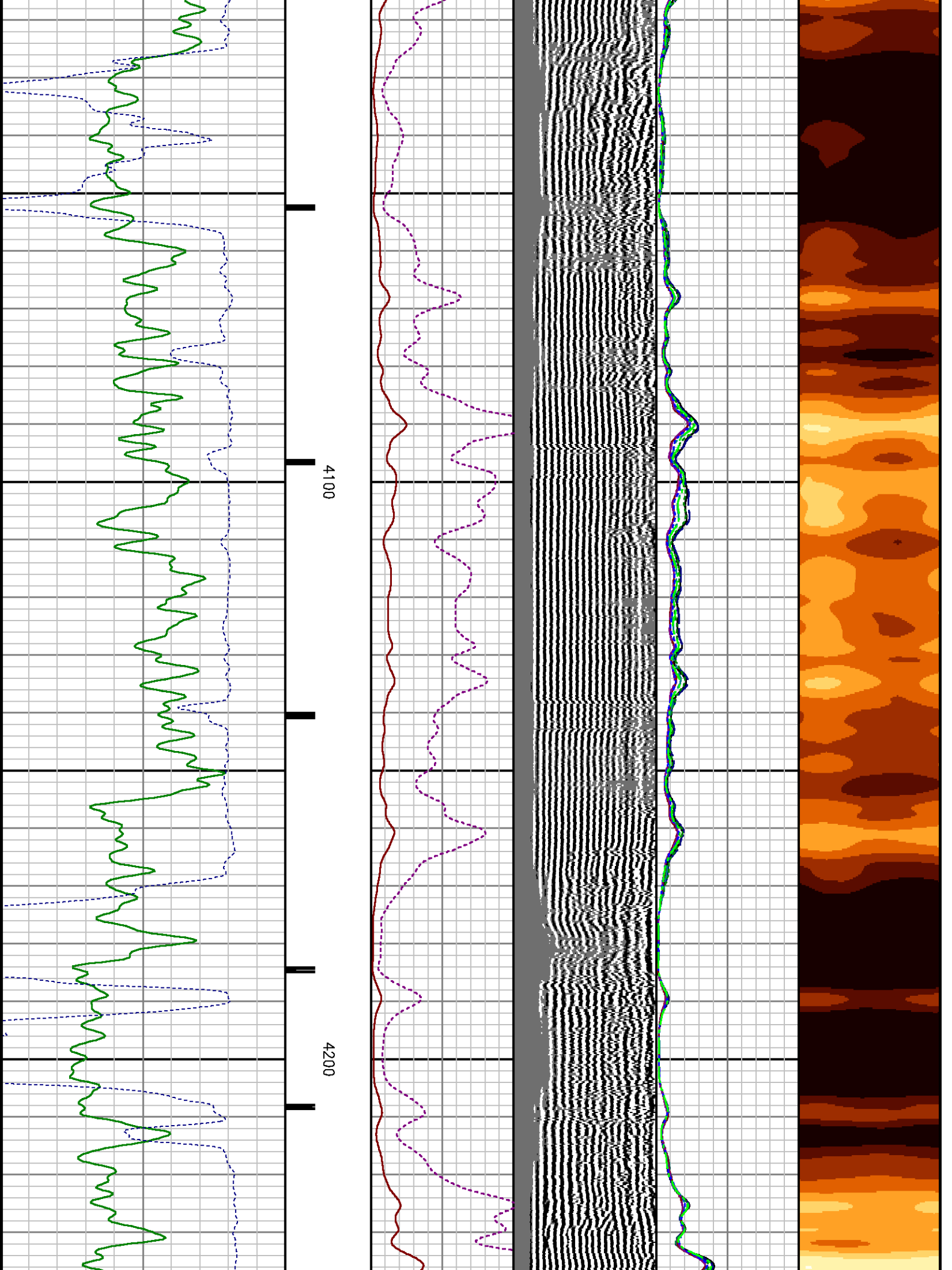


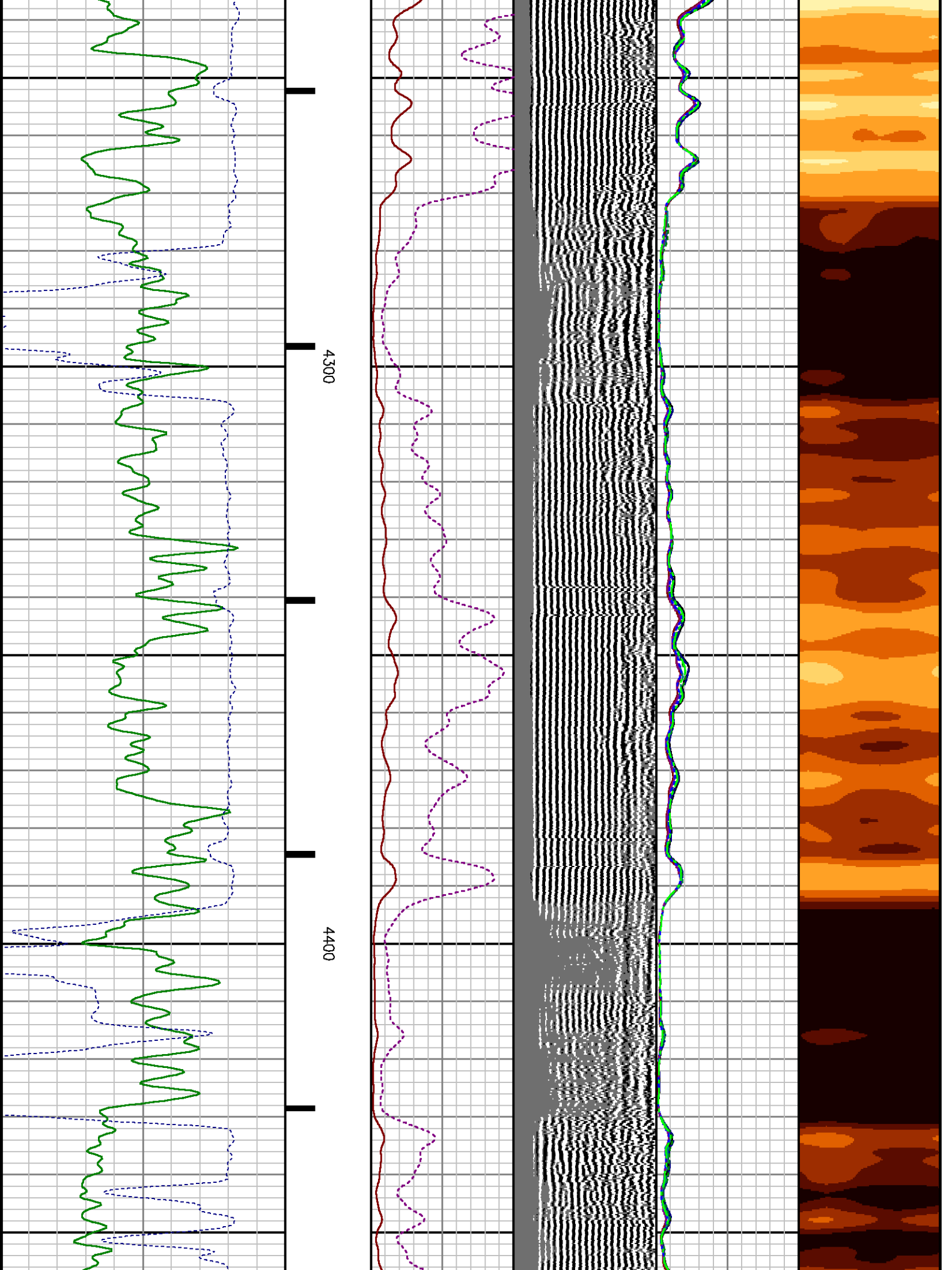


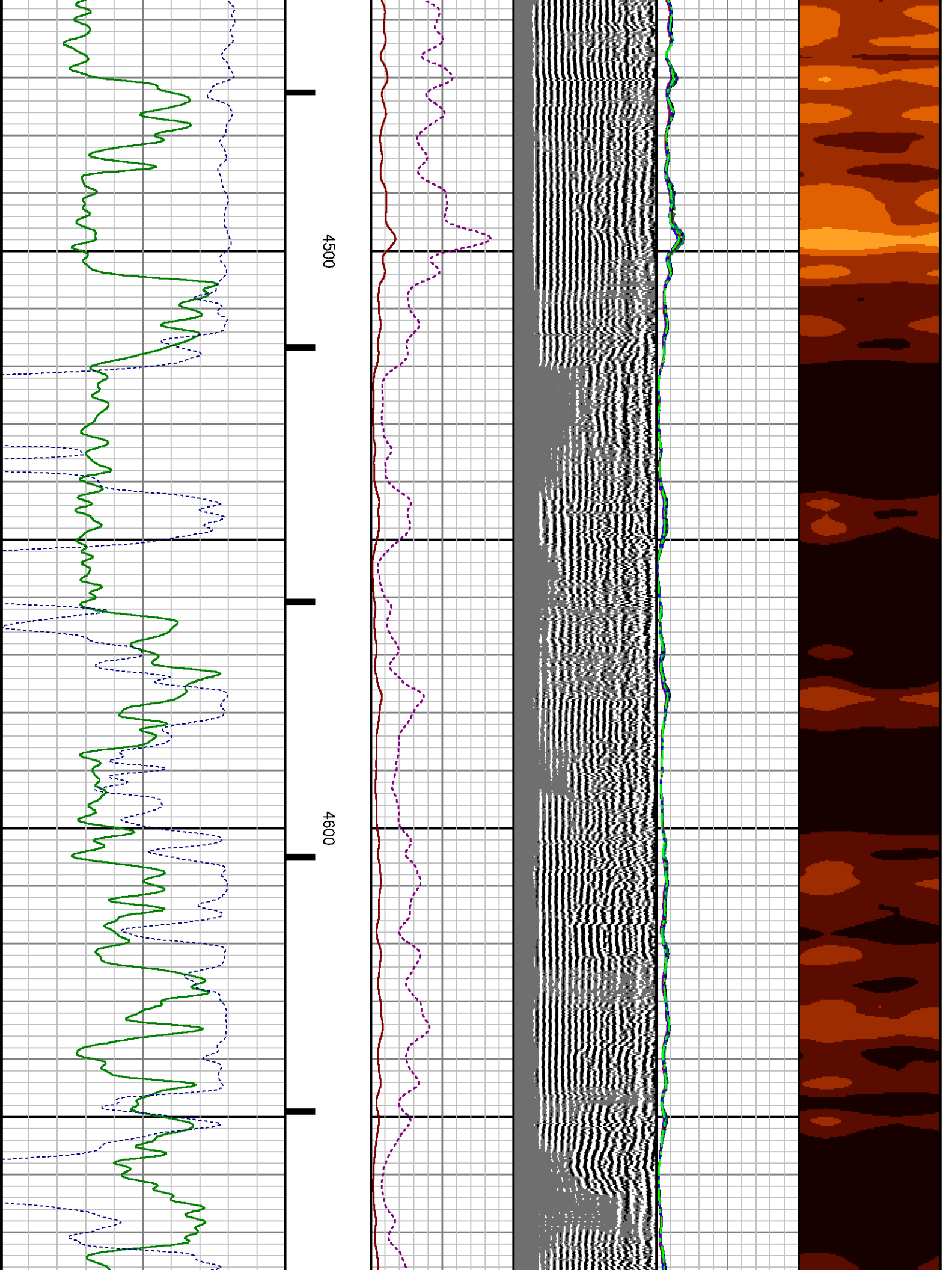


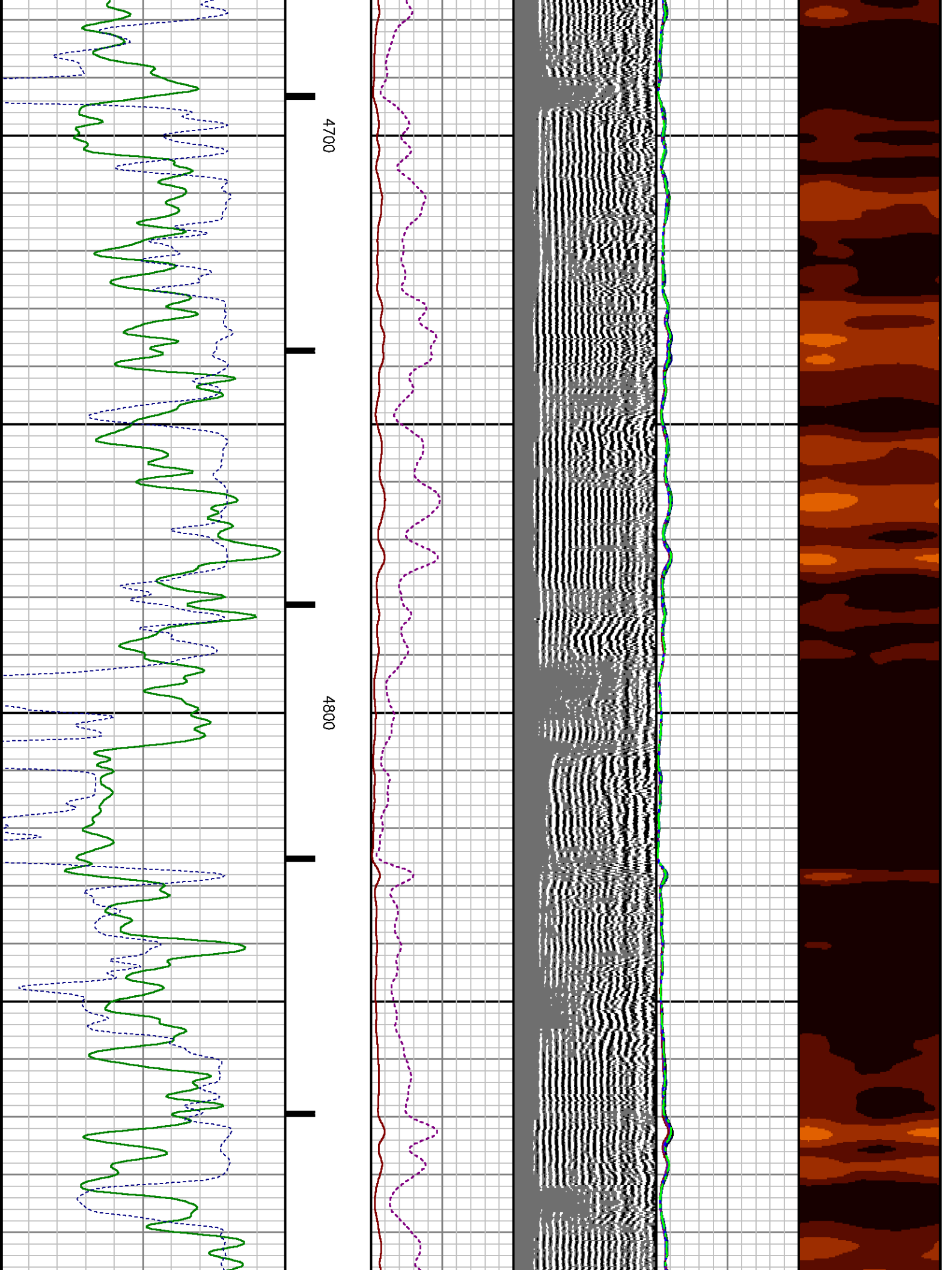


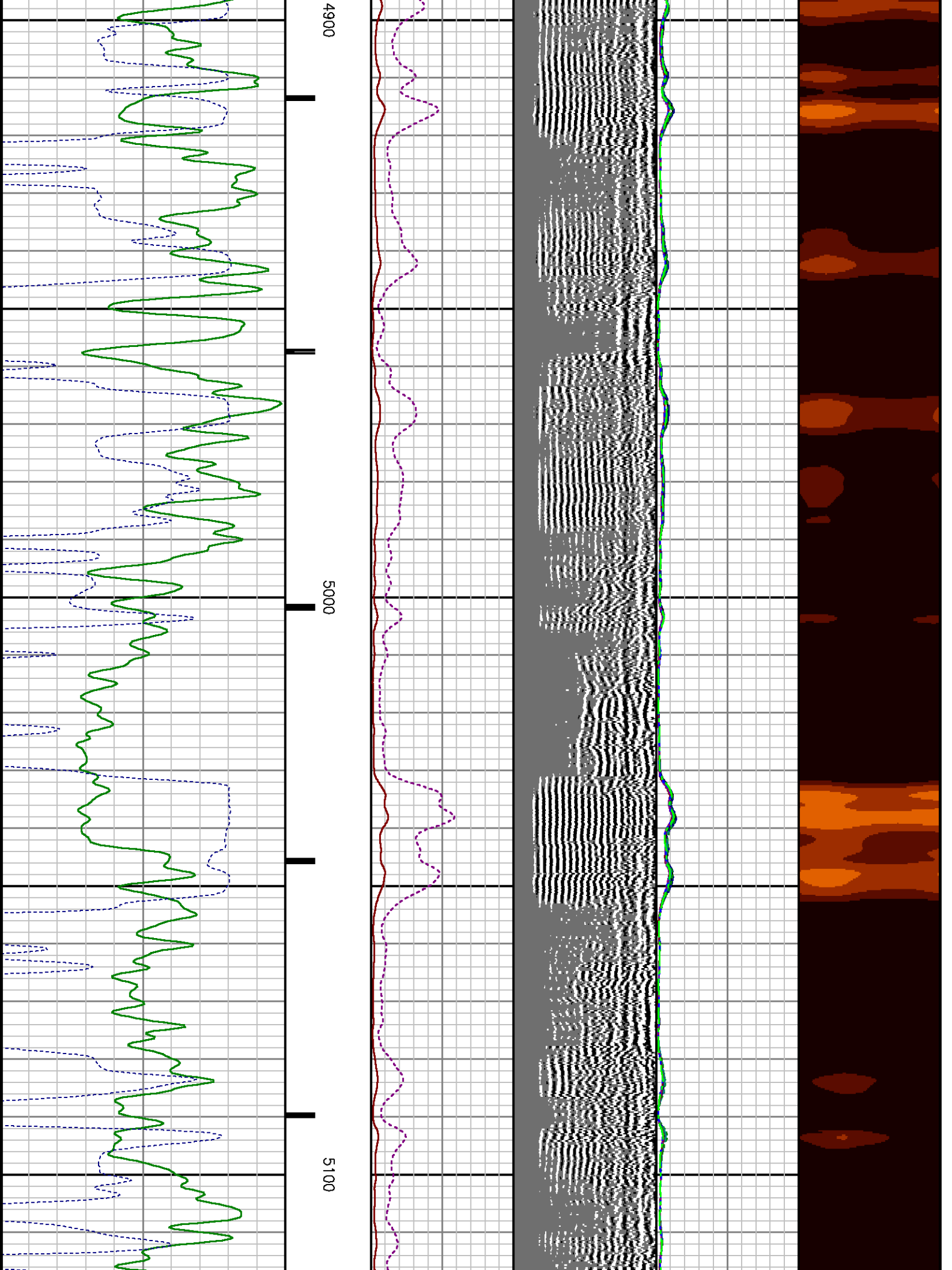


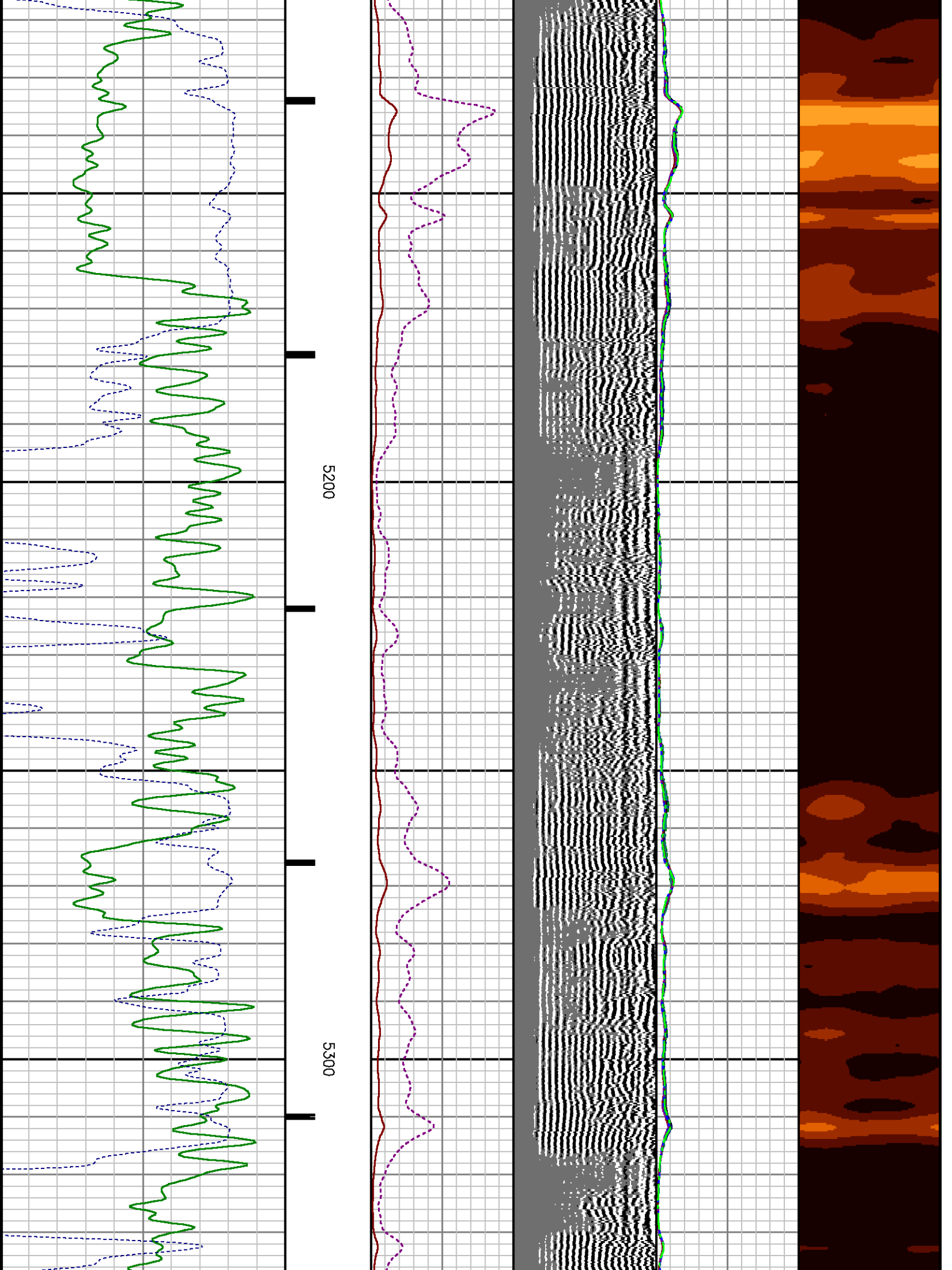


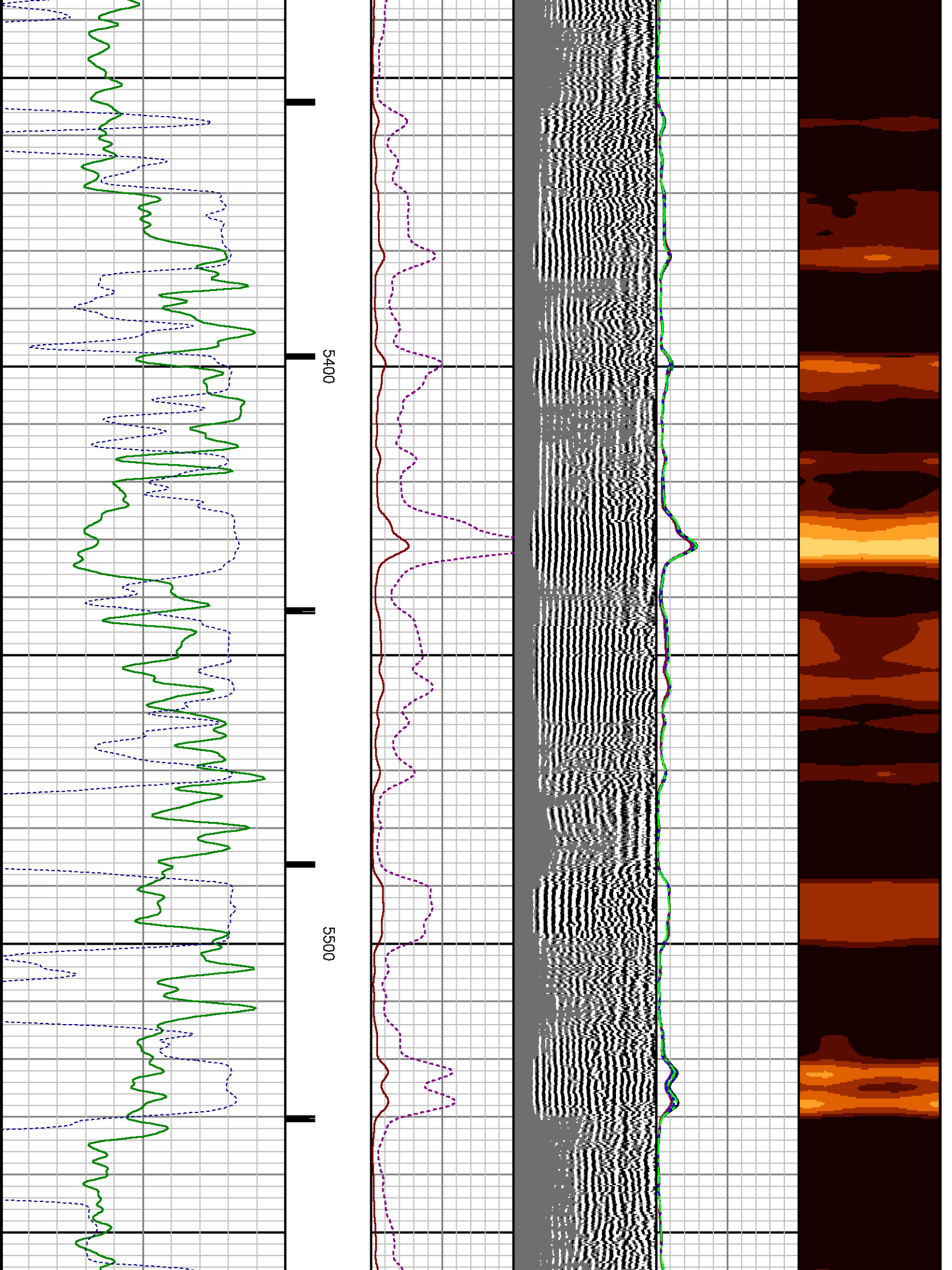


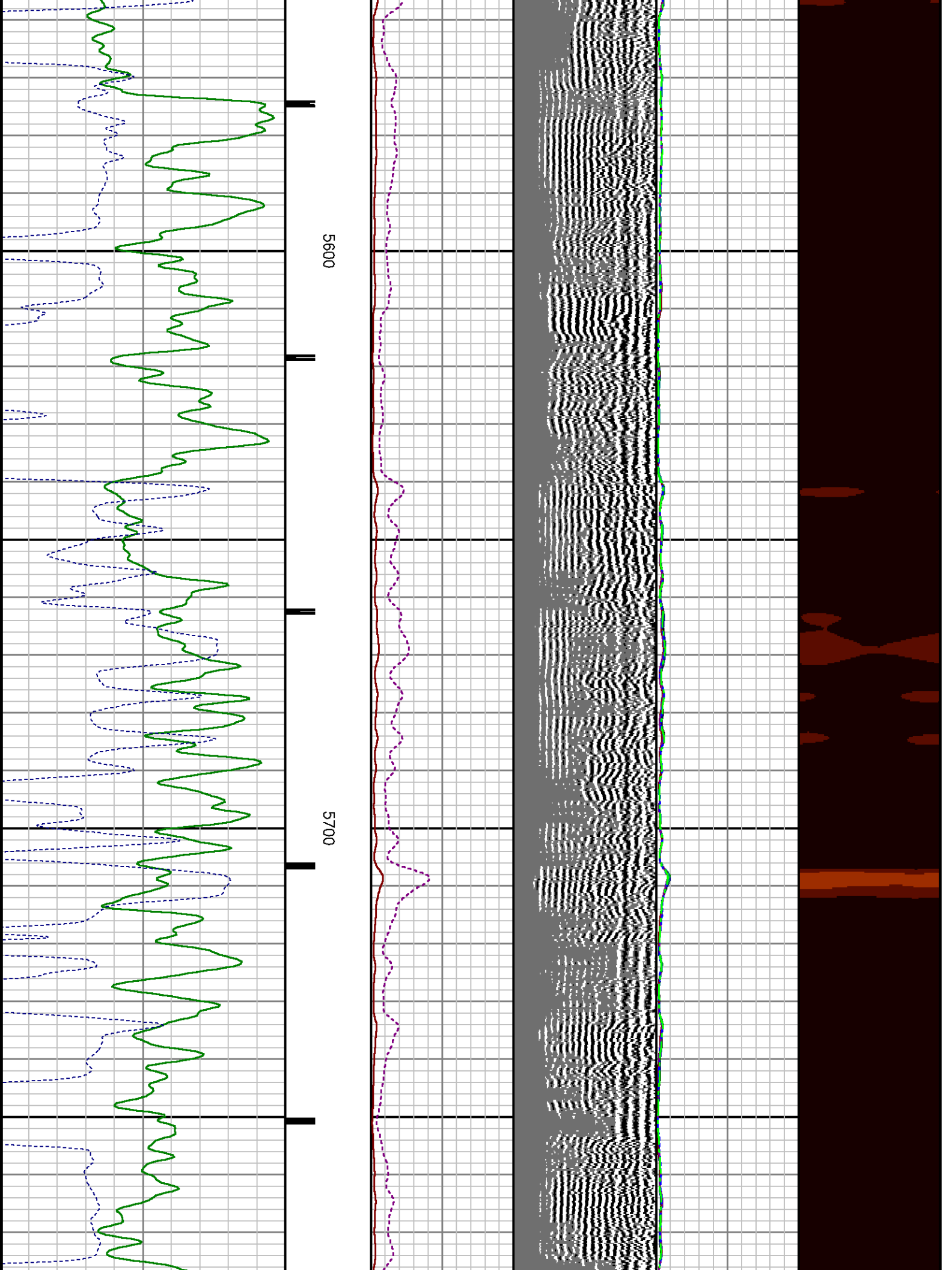


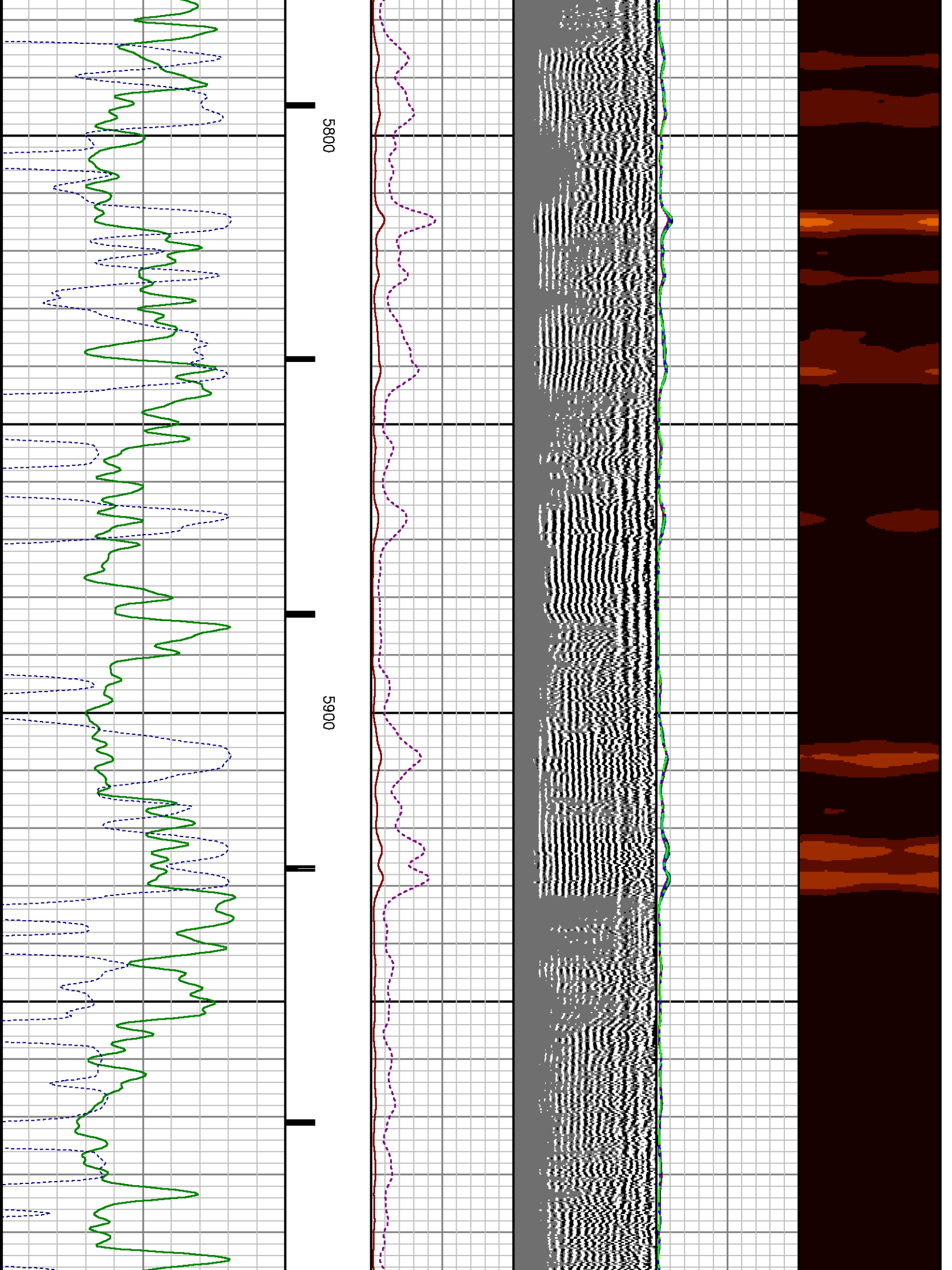


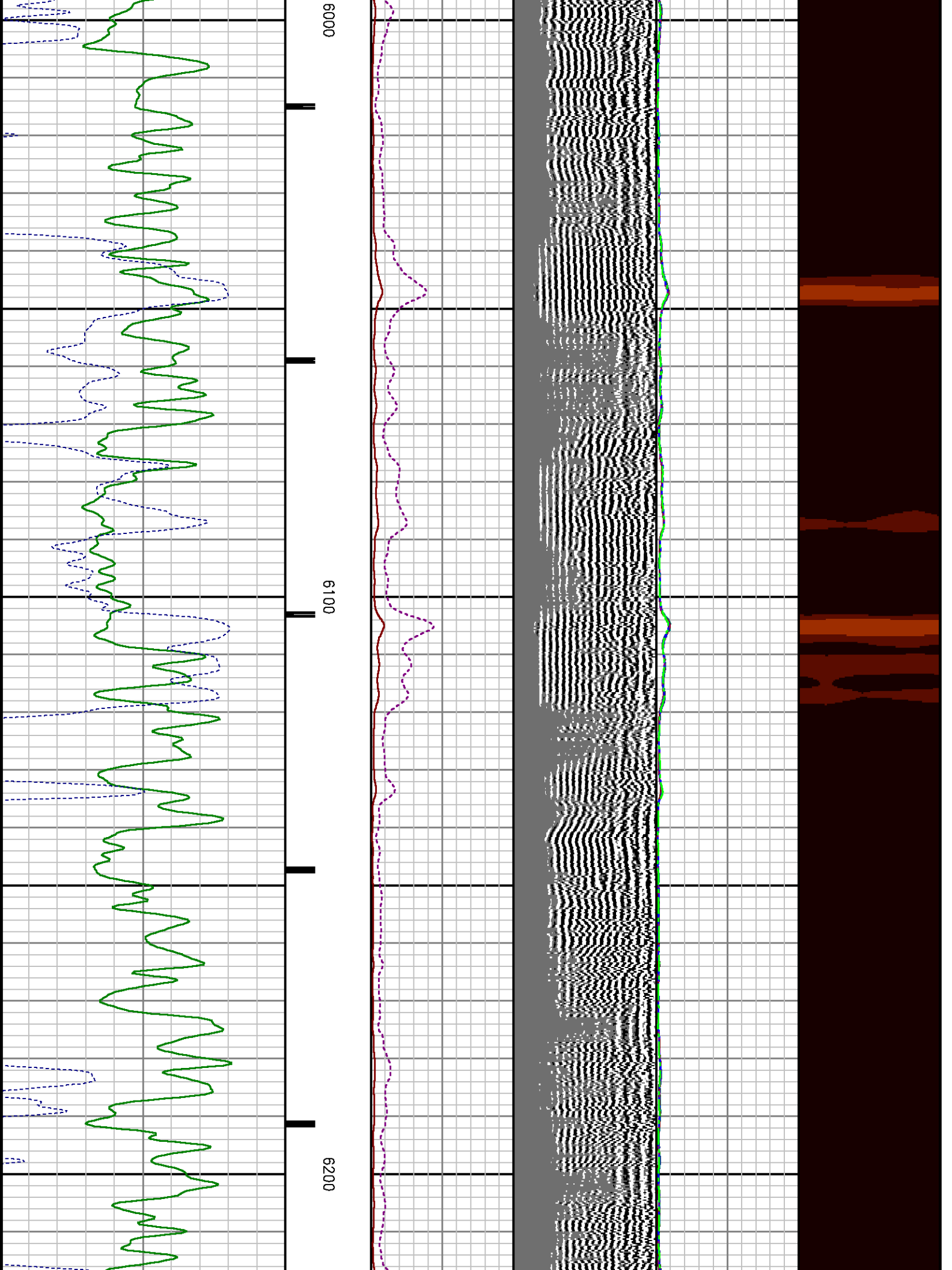


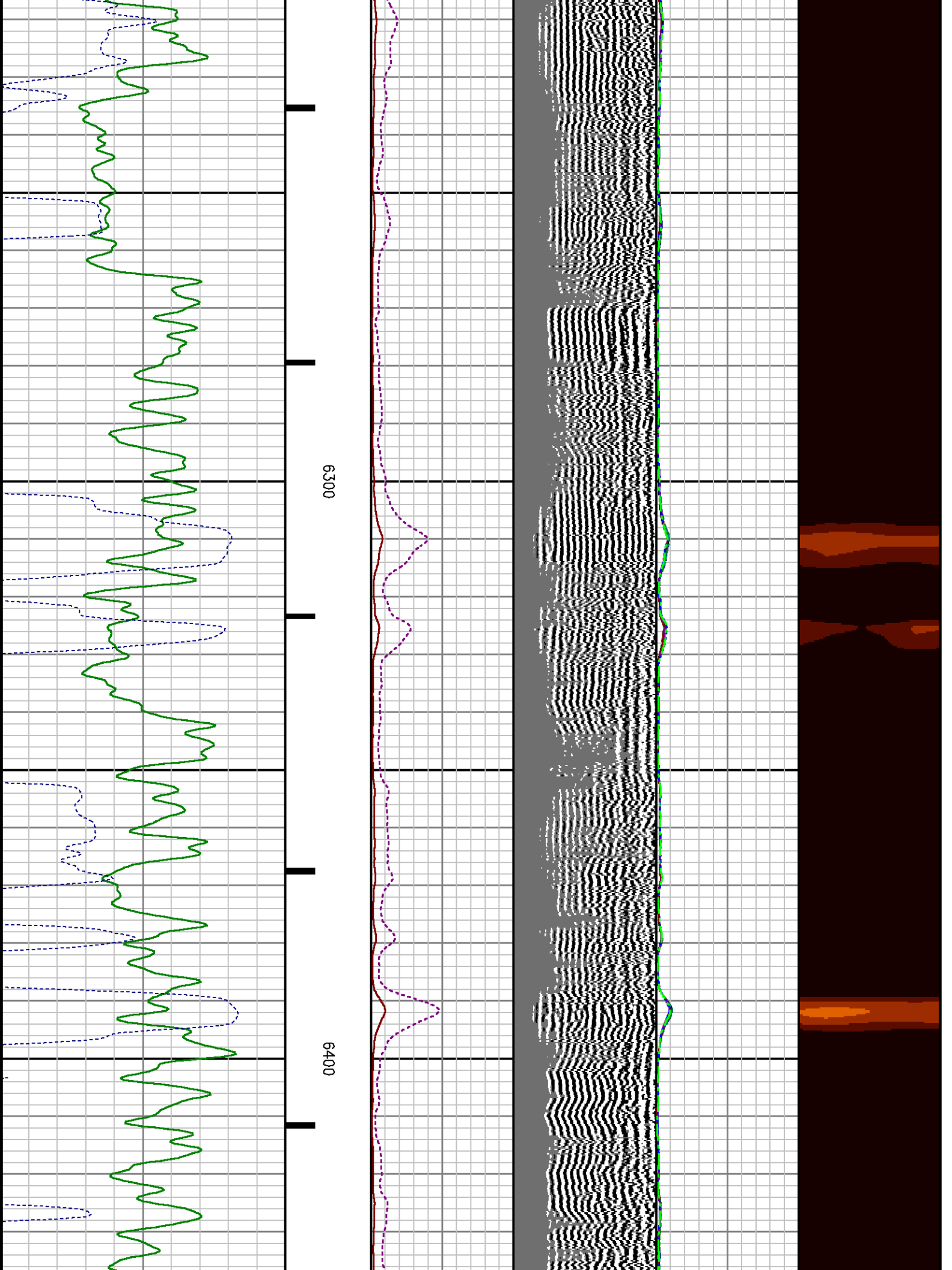


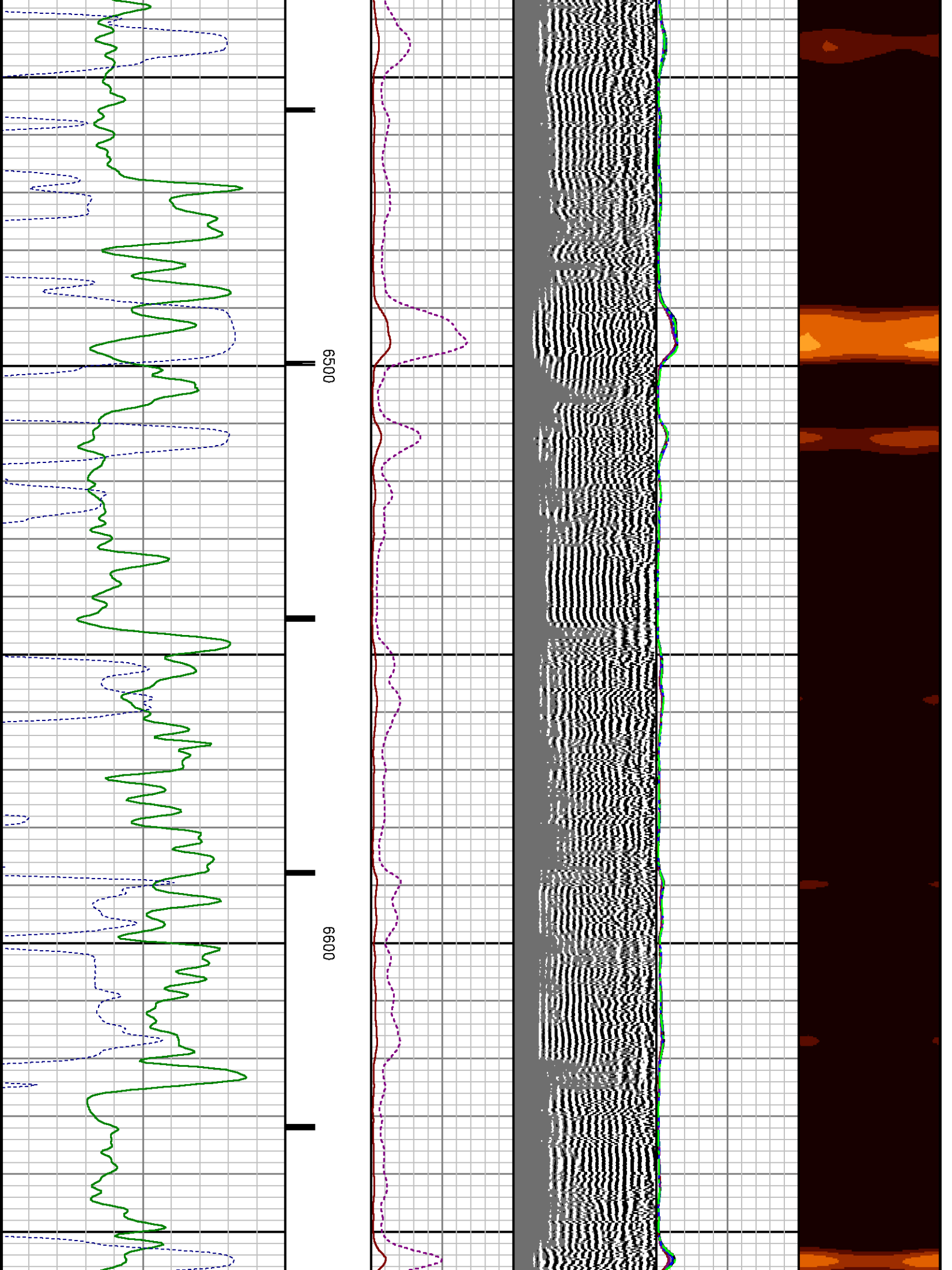


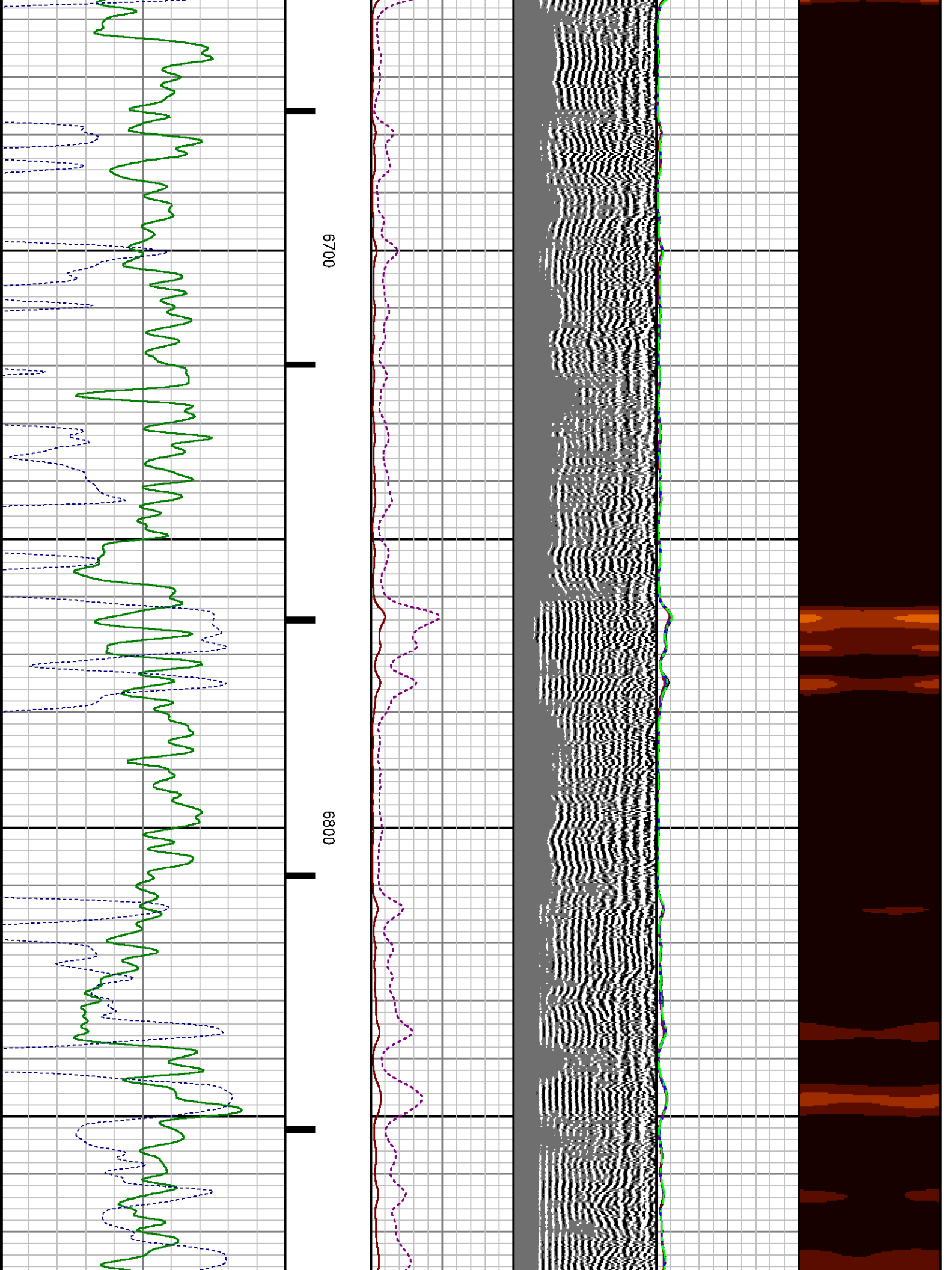


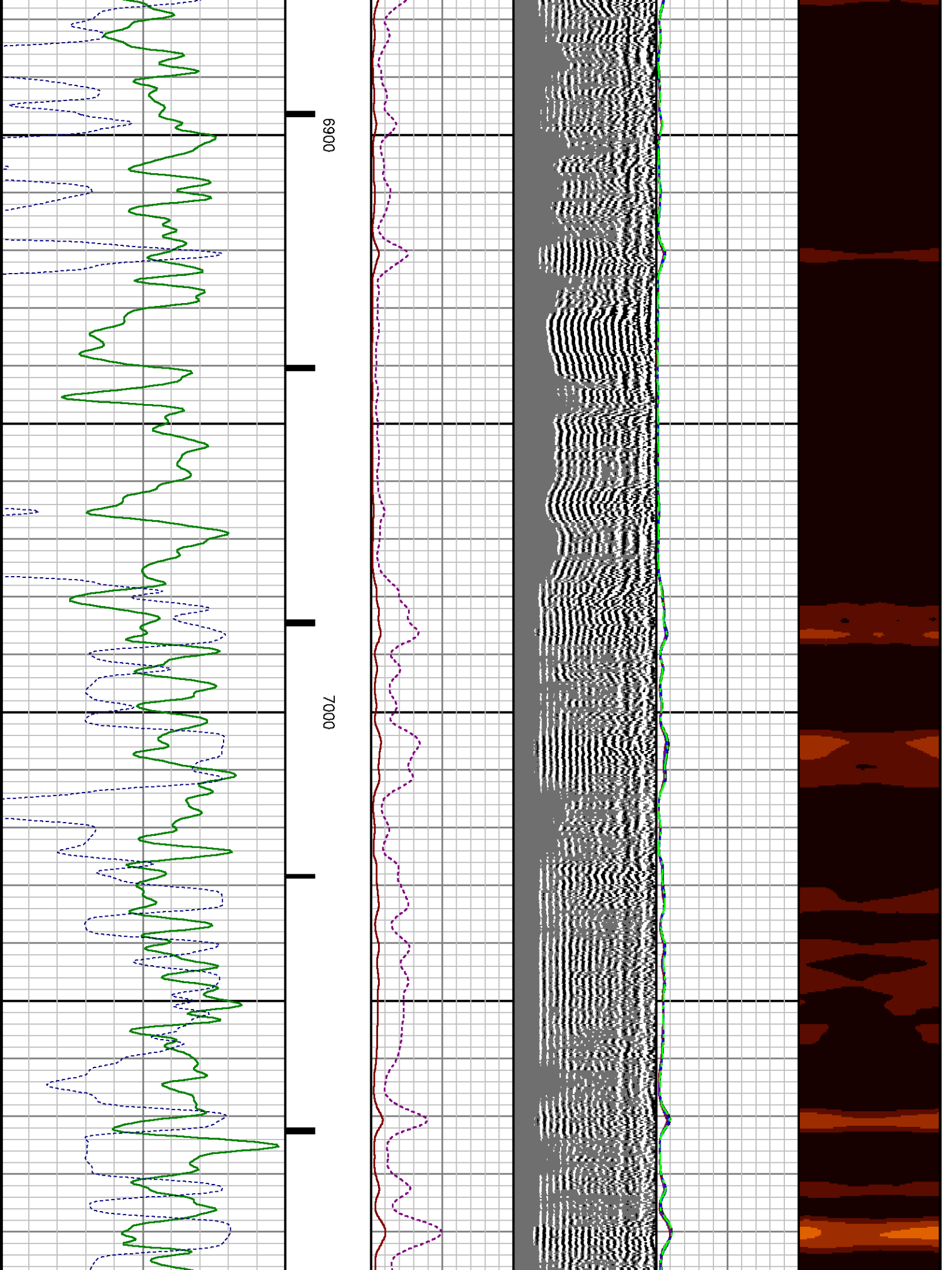


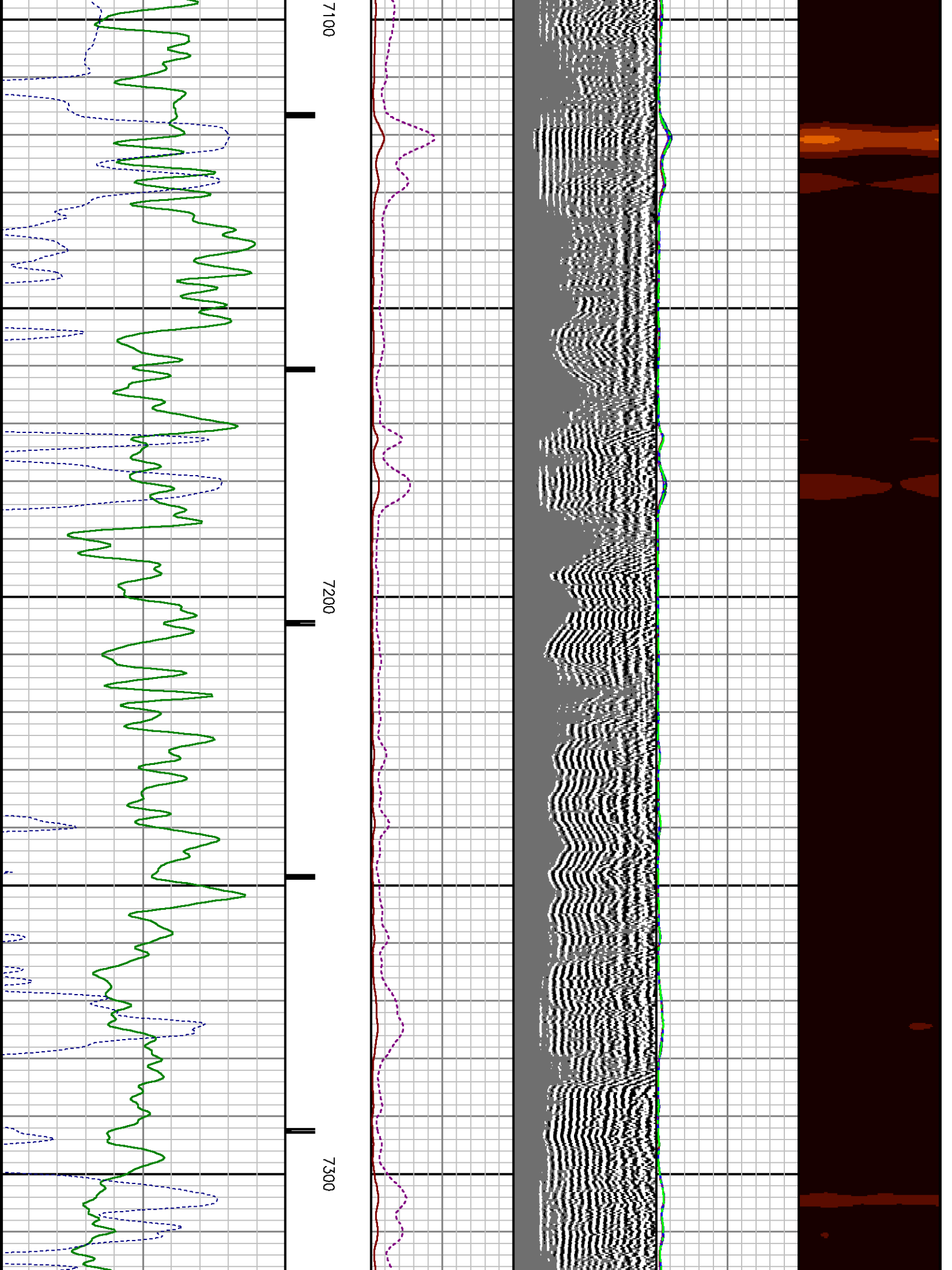


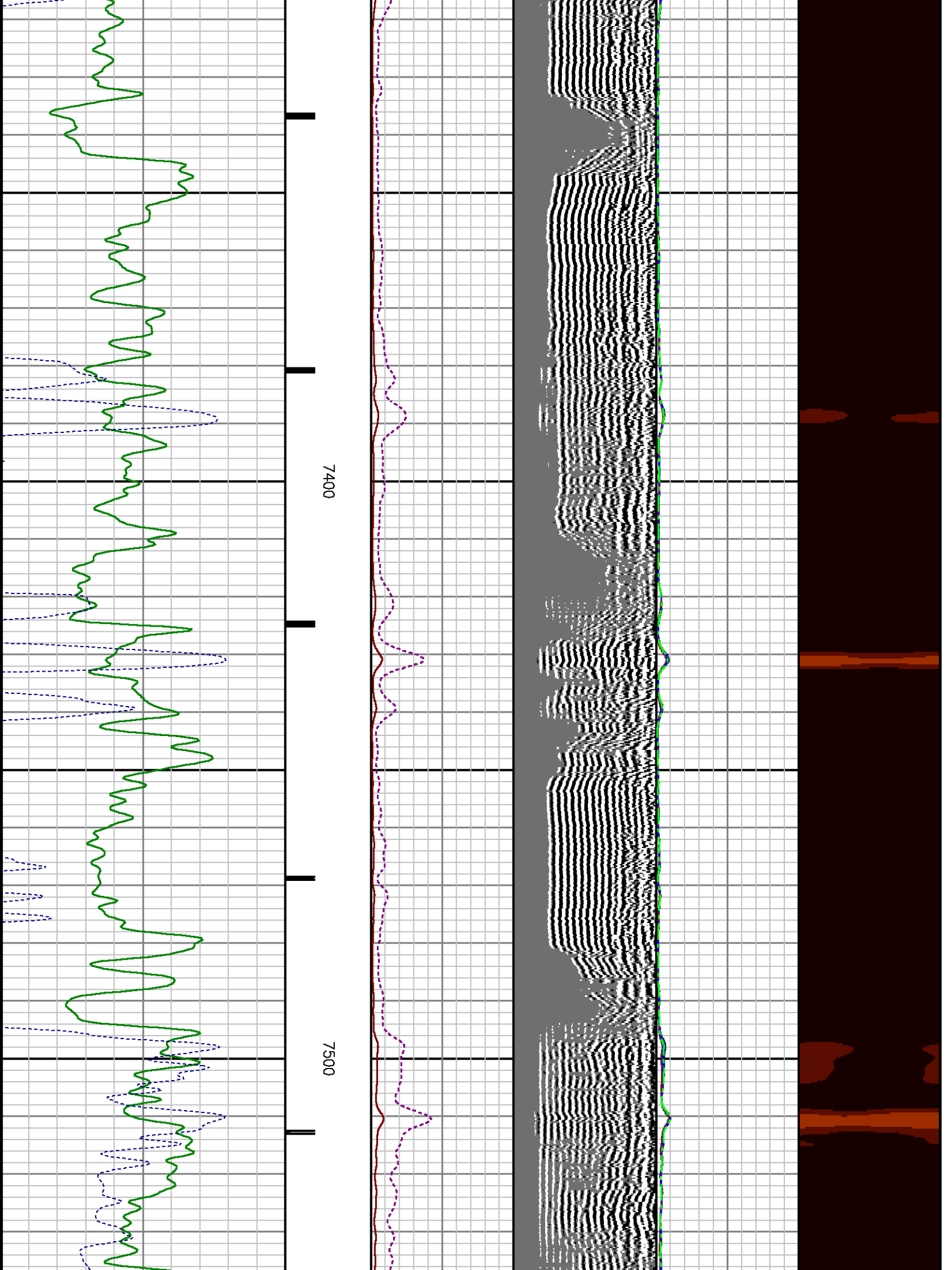


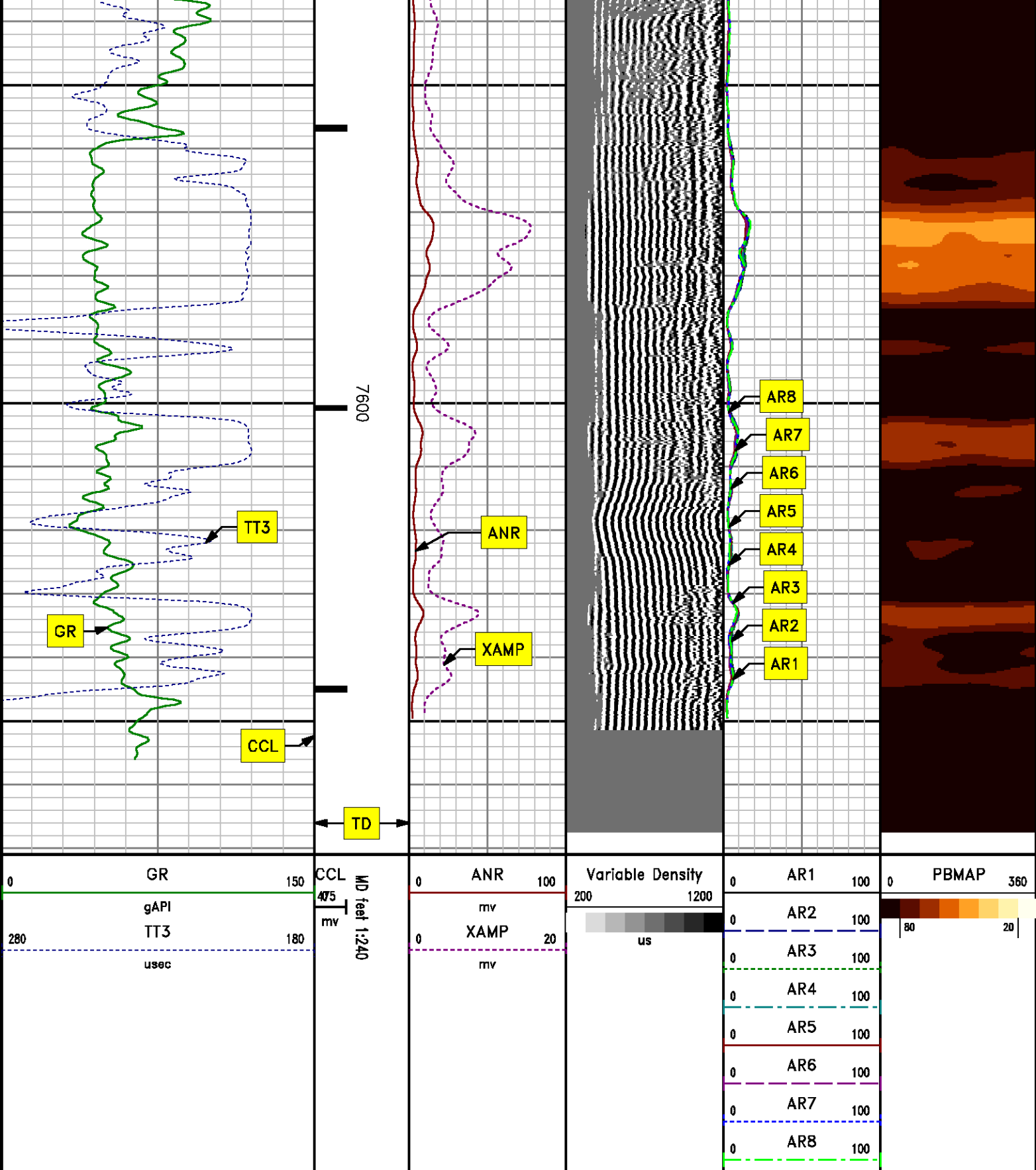












REPEAT SECTION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	305.000	usec	7327.750	7662.000
RAL	Amp Gate Start Near	195.000	usec	7327.750	7662.000
RAL	Amp Gate Start Radial	195.000	usec	7327.750	7662.000
RAL	Amp Gate Width Far	25.000	usec	7327.750	7662.000
RAL	Amp Gate Width Near	25.000	usec	7327.750	7662.000
RAL	Amp Gate Width Radial	25.000	usec	7327.750	7662.000
RAL	casing od	4.500	inches	7327.750	7662.000
RAL	casing wt	11.600	lbm/ft	7327.750	7662.000
RAL	FB Start Far	291.900	usec	7327.750	7662.000
RAL	FB Start Near	175.391	usec	7327.750	7662.000
RAL	FB Start Radial	175.391	usec	7327.750	7662.000
RAL	FB Thresh Far	10.000	mv	7327.750	7662.000
RAL	FB Thresh Near	4.000	mv	7327.750	7662.000
RAL	FB Thresh Radial	4.000	mv	7327.750	7662.000
RAL	Fluid Travel Time	200.000	usec/ft	7327.750	7661.906

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

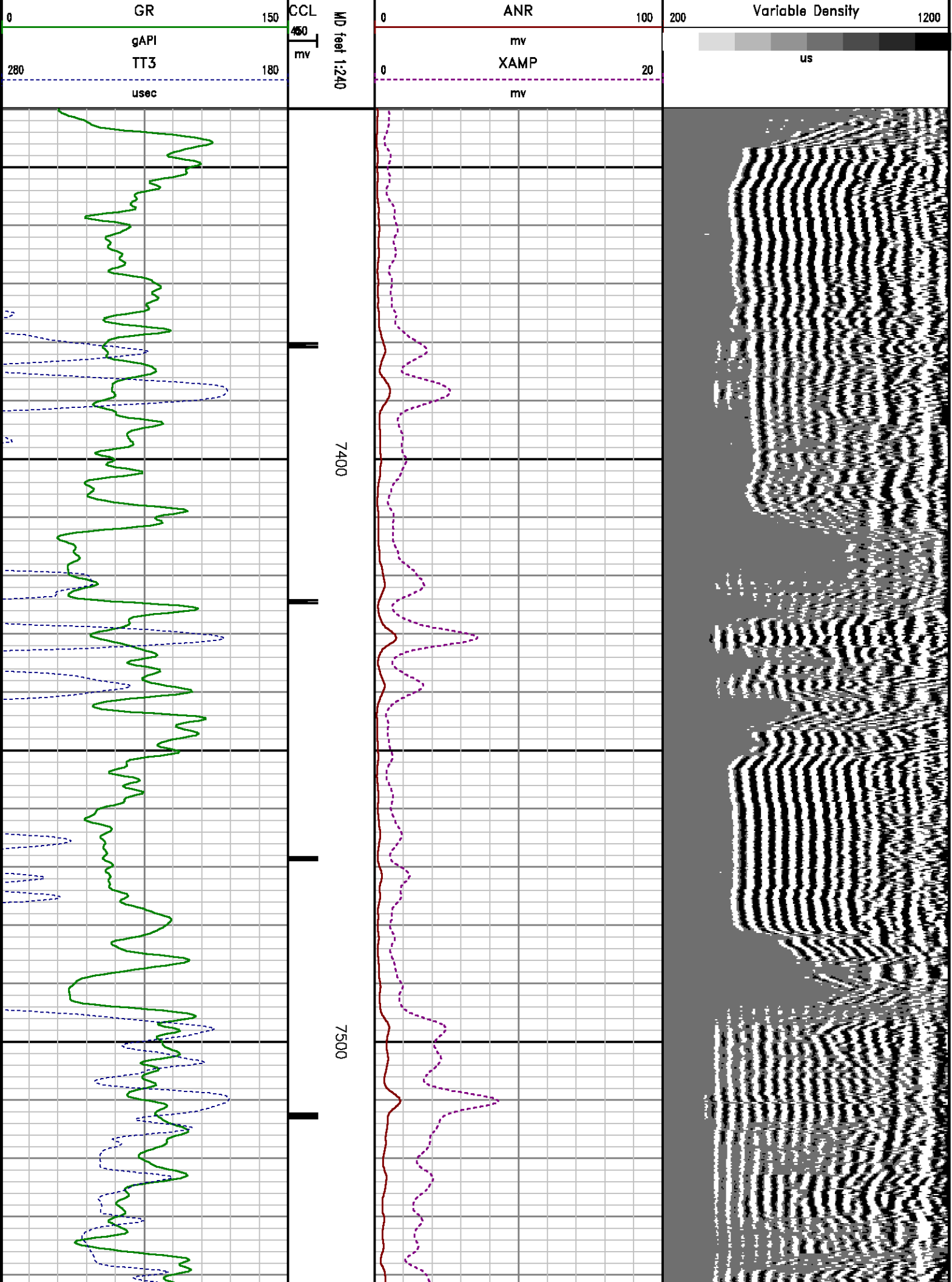
Well : WPX ENERGY PA 522-2

File Name : d:\welldata\wpx\wpx energy pa 522-2\522cbl\repeat.xtf

Mode : PlotMgr 5.4.504

Interval : 7340.00 - 7640.00 feet UP

Created : 3/10/2014 8:52:15 AM



5 Ft. Receiver	326	325	30	266	25	1.723	150.00	0.18
Radial #1	217	216	30	166	14	0.608	100.00	0.16
Radial #2	217	216	30	166	14	0.319	100.00	0.16
Radial #3	217	216	30	166	14	0.101	100.00	0.16
Radial #4	217	216	30	166	14	-0.225	100.00	0.16
Radial #5	217	216	30	166	14	-0.015	100.00	0.16
Radial #6	216	216	30	166	14	0.400	100.00	0.16
Radial #7	216	216	30	166	14	0.137	100.00	0.16
Radial #8	217	216	30	166	14	-0.014	100.00	0.16

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\49609 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun Mar 09 11:13:00 2014 TOOL SERIES: 1426XA ASSET: 496 SEQ: 09

Tool Delay [usec] -56.00 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	0.021	0.000	0.98	100.000
3 Ft. Receiver	195	25	2.228			
5 Ft. Receiver	305	25	3.042			
Radial #1	195	25	1.922			
Radial #2	195	25	1.914			
Radial #3	195	25	2.030			
Radial #4	195	25	2.035			
Radial #5	195	25	2.289			
Radial #6	195	25	2.412			
Radial #7	195	25	1.943			
Radial #8	195	25	1.980			

GAMMA RAY

Calibration File: C:\case\calver\GR\45609.cal

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun Mar 09 11:17:29 2014 TOOL SERIES: 2459XA ASSET: 456 SEQ: 09

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA-612	52.36	330.13	0.666	34.87	219.87	185.00

Verification File: C:\case\calver\GR\45609.VP

DATE/TIME PERFORMED: Sun Mar 09 11:18:54 2014

TOOL SERIES: 2459XA ASSET: 456 SEQ: 09

Calibrator #	Background [cps]	Calibrator On [cps]
S2K WA-612	56.49	331.07

Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
0.666	37.62	220.49	182.87

TOOL DIAGRAM

OTA SHORT CABLE HEAD

PROBE 2 3/4 DUAL RECEIVER RADII

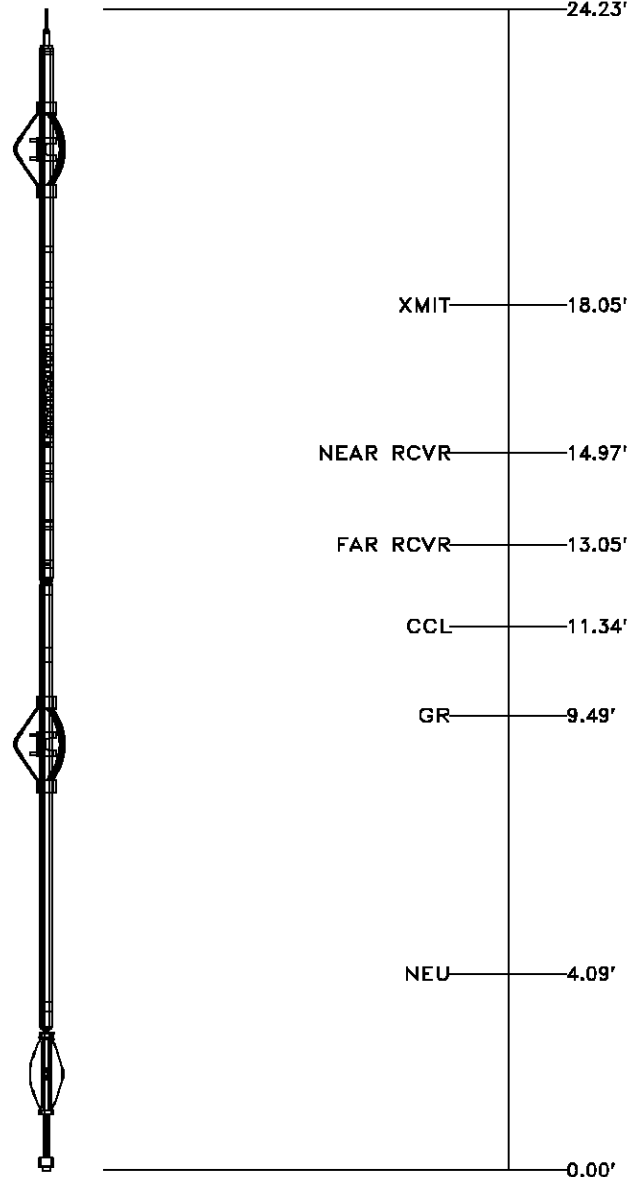
Series	1426XA
Mnemonic	PROB
Diameter	2.75"
Length	11.17'
Measure Point	0.75' FAR RCVR
Measure Point	2.67' NEAR RCVR
Measure Point	5.75' XMIT
Temp Rating	350.00 °F
Press Rating	18000.00 PSI

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

CASE

Company	WPX ENERGY			File No:	
Well	WPX ENERGY PA 522-2			CH083733	
Field	PARACHUTE			API No:	
County	GARFIELD	State	CO	05045221360000	
Location		Elevations			
SHL: 2081' FSL & 1542' FWL		KB 5846 ft		2 7S 95W	
BHL: 2418' FNL & 2252' FWL		DF		GV 86-2 PAD	
		GL 5821 ft		AZTEC 1000	
SEC	2	TWP	7S	RGE	95W