



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: 1553	Company: MARATHON OIL COMPANY
API No: 05-045-180950000	Well: 596-29C-25
	Field: GRAND VALLEY
	County: GARFIELD
	State: COLORADO

Location SHL: 1785' FSL & 1448' FWL	Other Services 3.781 GAUGE
SEC 29 TWP 55 RGE 96W	

Permanent Datum	G.L. _____ Elevation 8180 ft	Elevations
Log Measured From	K.B. _____ 24 ft	KB 8204 ft
Drill Measured From	KELLY BUSHING	DF 8203 ft
		GL 8180 ft

Date	06-JAN-2010
Run	ONE
Service Order	576633
Depth Driller	9786 ft
Depth Logger	9666 ft
Bottom Logged Interval	9666 ft
Top Logged Interval	SURFACE
Time Started	15:30
Time Finished	18:30
Operator Rig Time	3 HRS
Type of Fluid in Hole	WATER
Fluid Density	N/A
Salinity	N/A
Fluid Level	FULL
Logged Cement Top	N/A
Wellhead Pressure	1000 psi
Maximum Hole Deviation	N/A
Nominal Logging Speed	45 fpm
Maximum Recorded Temperature	N/A
Reference Log	N/A
Reference Log Date	N/A
Equipment No.	4214
Recorded By	WIESER/SOENEN
Witnessed By	MR. JESS PENNELL

- 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
8.75 In	SURFACE	9786 ft

Casing Record				
Size	Weight	Grade	From	To
4.5 In	11.6 lbm/ft	P-110	SURFACE	9786 ft

Remarks
THIS IS THE FIRST LOG OF THE WELL WELL WAS LOGGED WITH 1000 PSI

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	495	CENTRALIZED
1	1	GR/CCL	2459XA	503	CENTRALIZED

***MAIN SECTION
PRIMARY PRESENTATION
WITH 1000 PSI***

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	316.900	usec	28.874	9691.000
RAL	Amp Gate Start Near	200.391	usec	28.874	9691.000
RAL	Amp Gate Start Radial	200.391	usec	28.874	9691.000
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RAL	casing wt	11.600	lbm/ft	28.874	9691.000
RAL	FB Start Far	291.900	usec	28.874	9691.000
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RAL	Fluid Travel Time	200.000	usec/ft	28.874	9690.905

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-15.360	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	-14.360	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 : MARATHON OIL COMPANY

Well : 596-29C-25

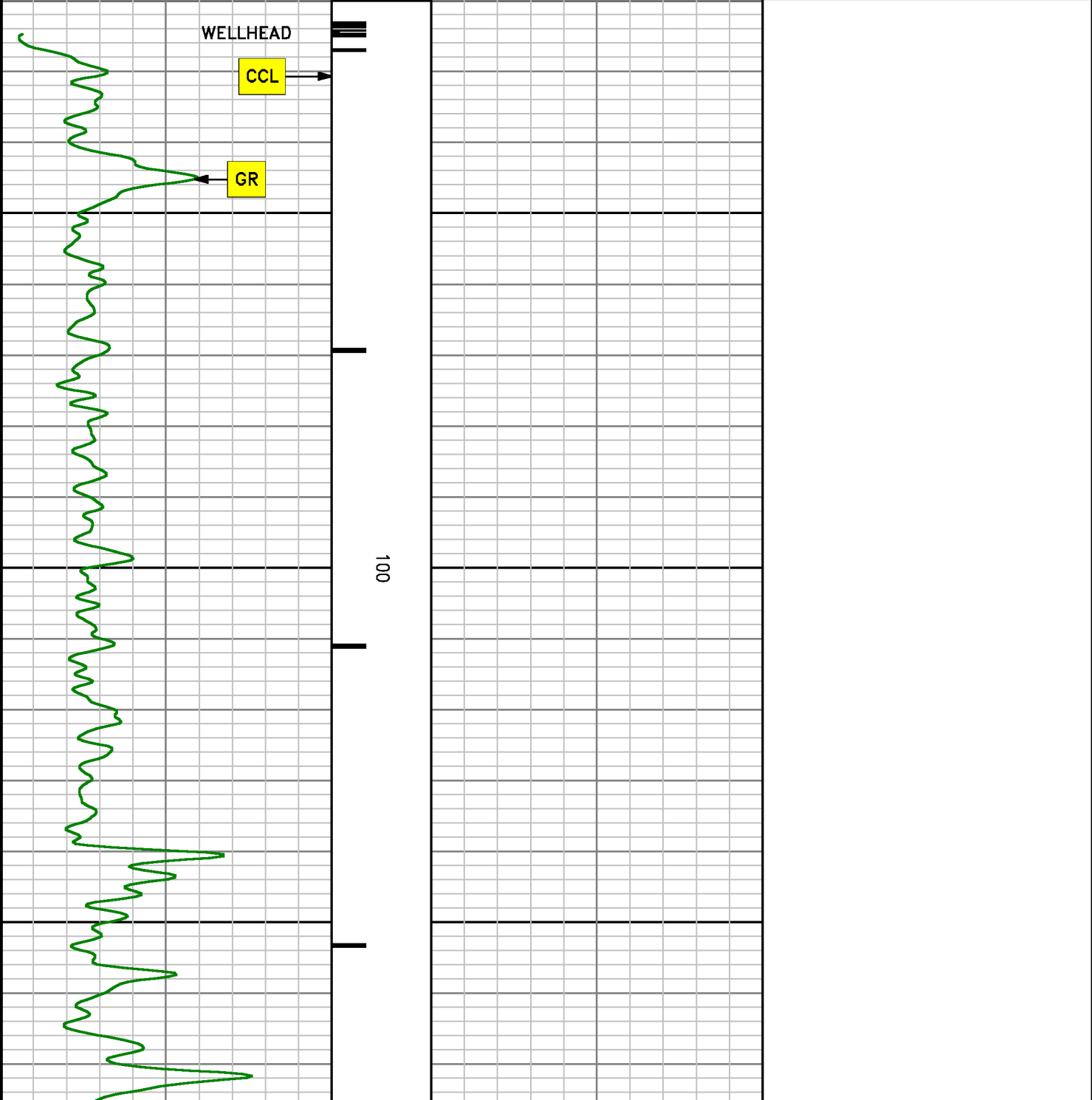
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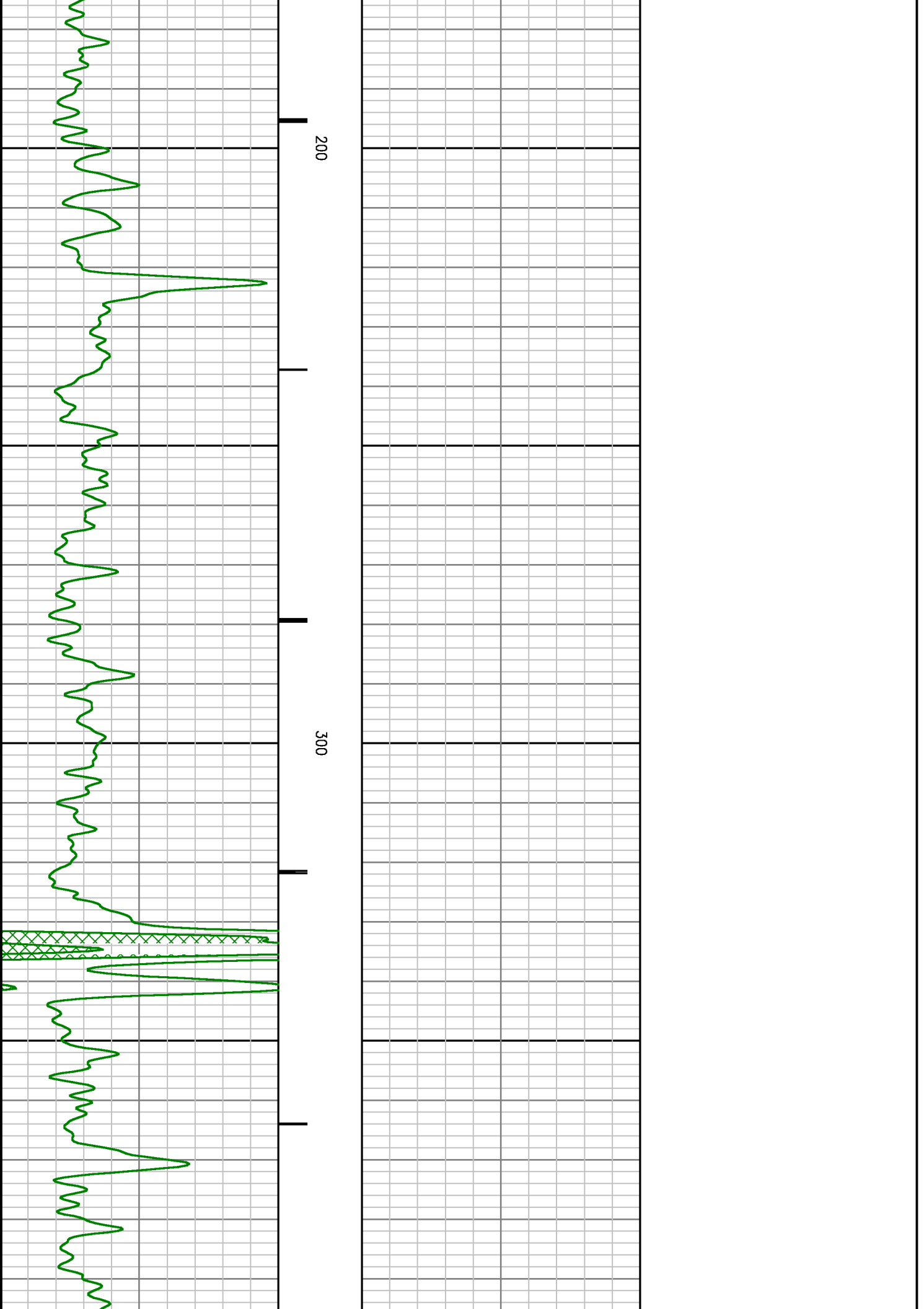
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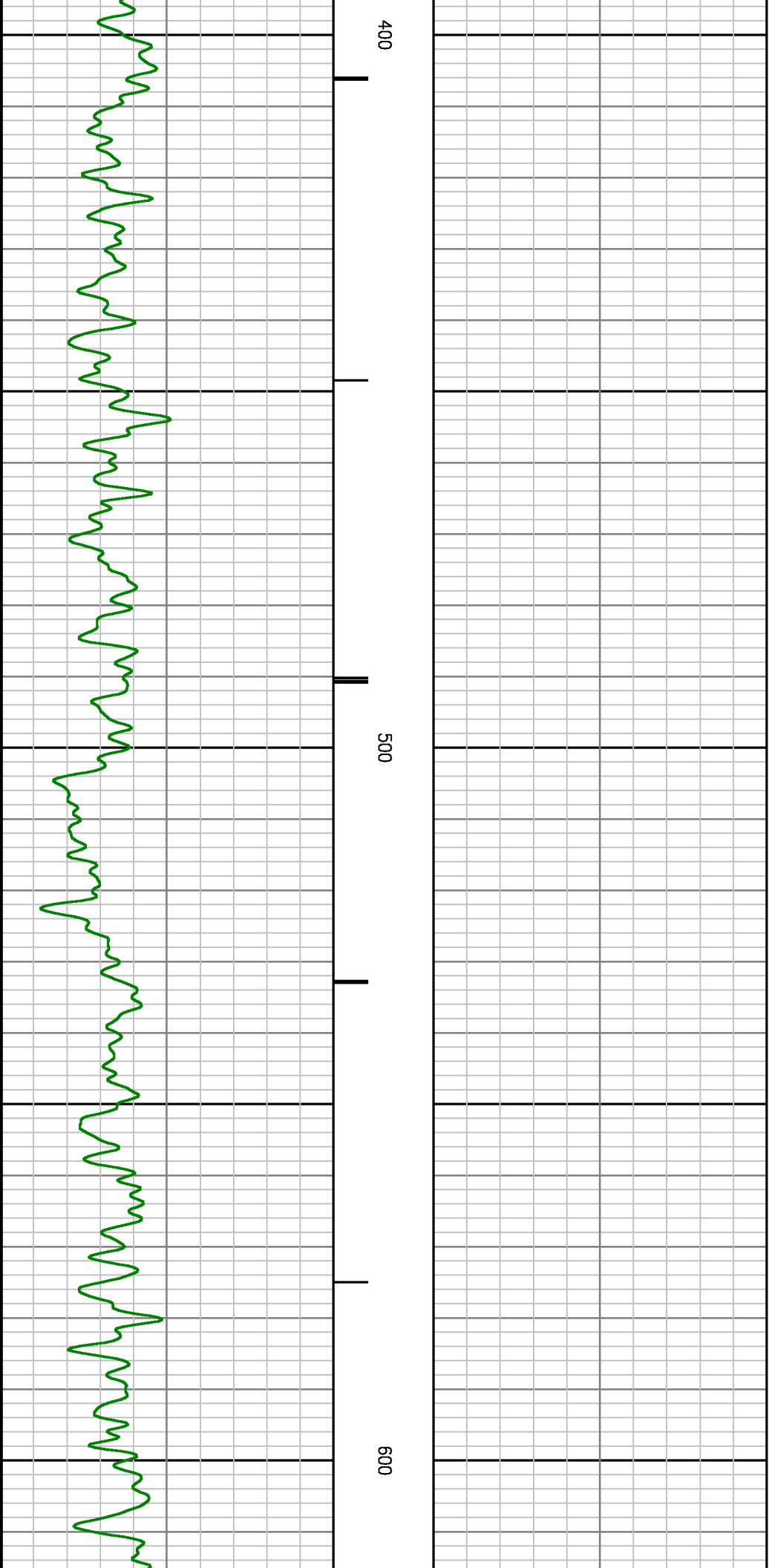
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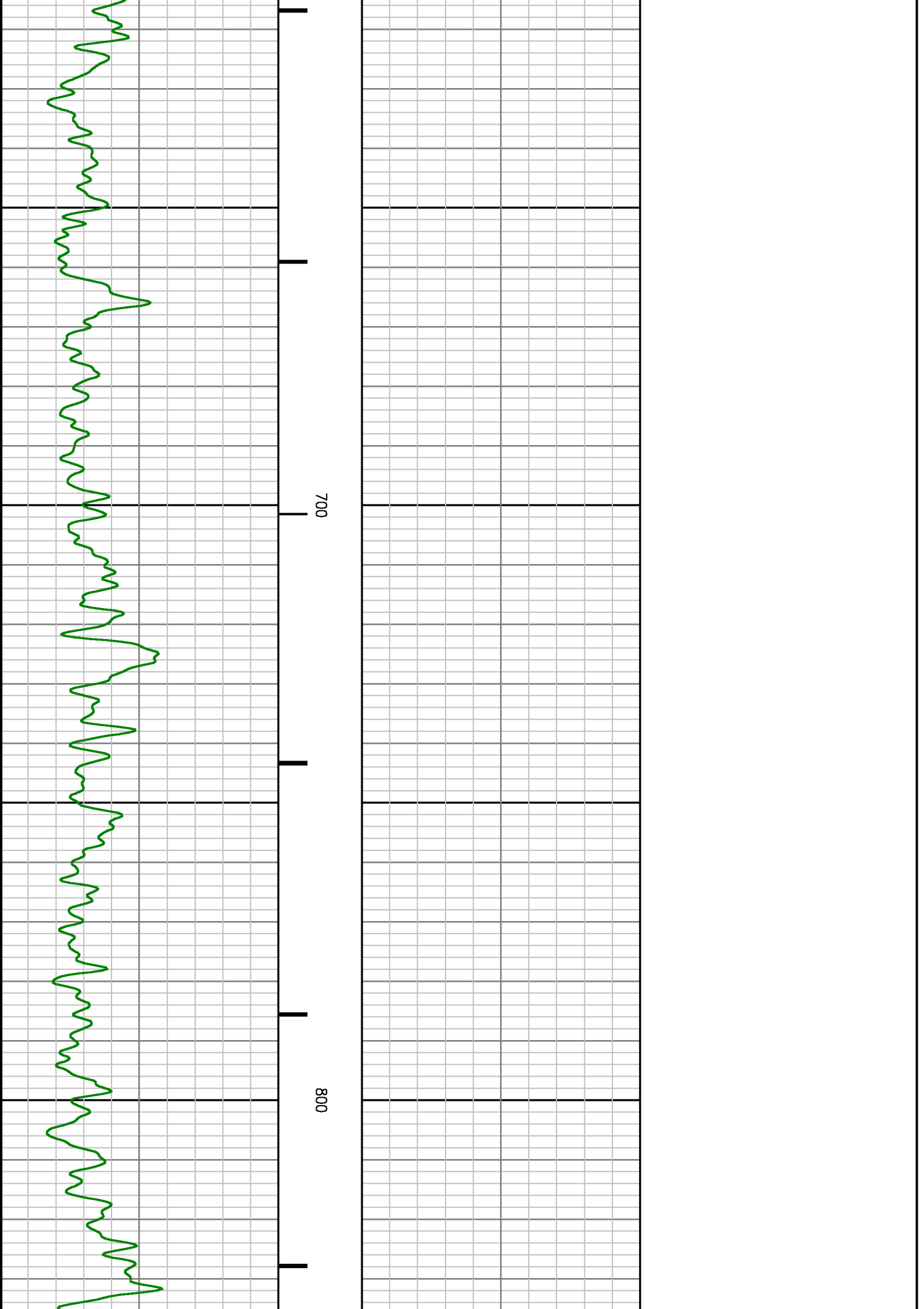
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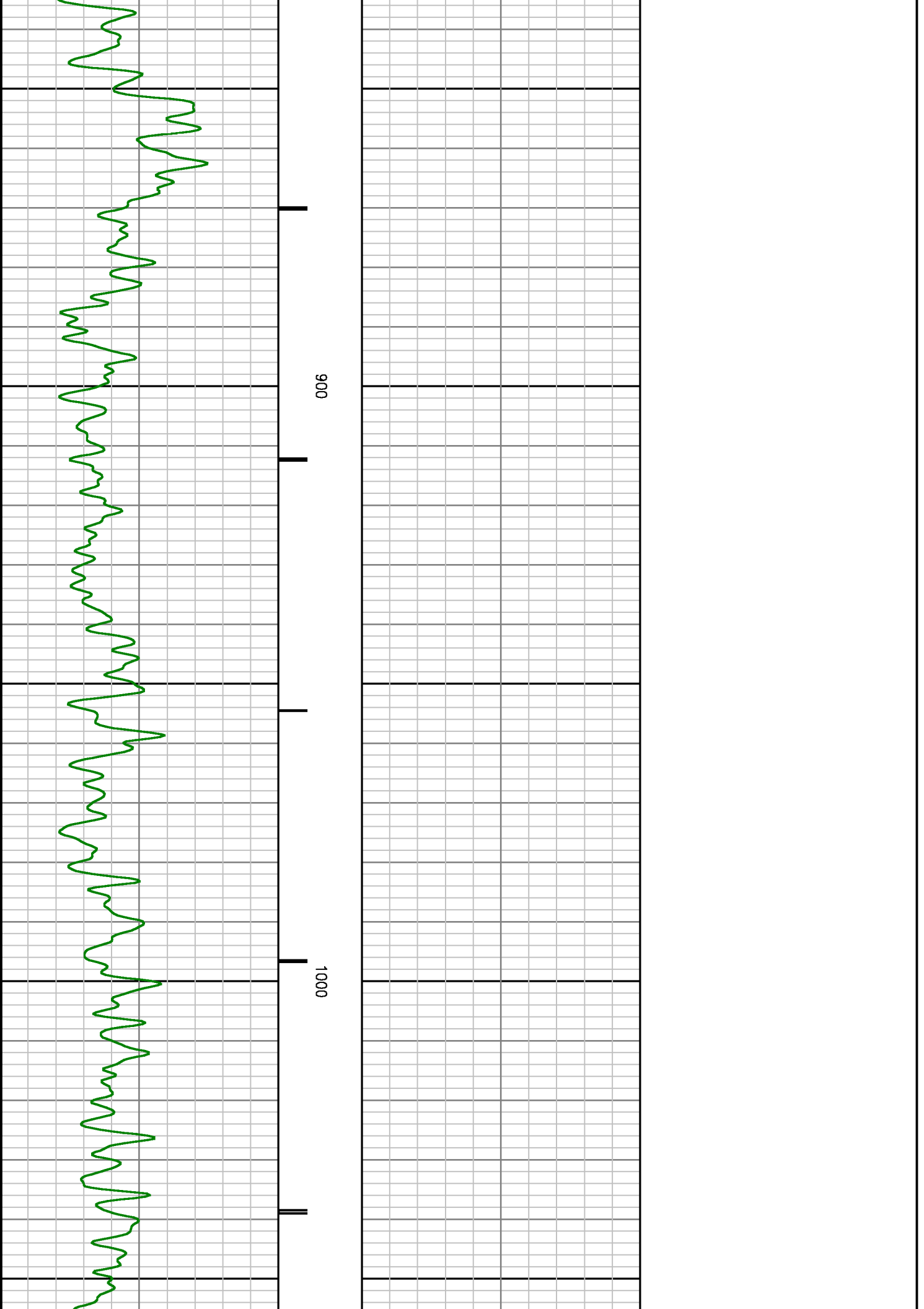
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	usec		MD feet 1:240		mv				

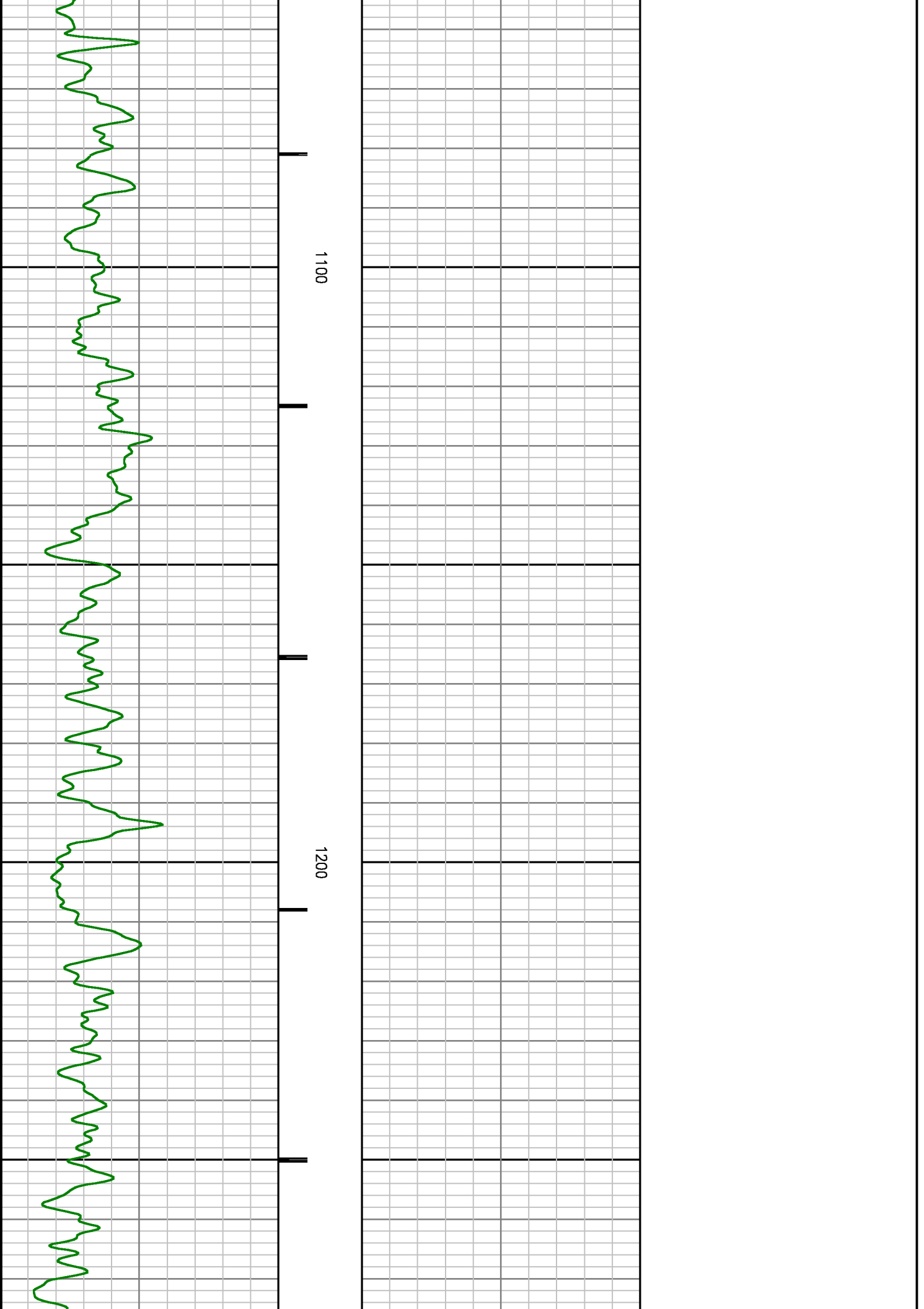


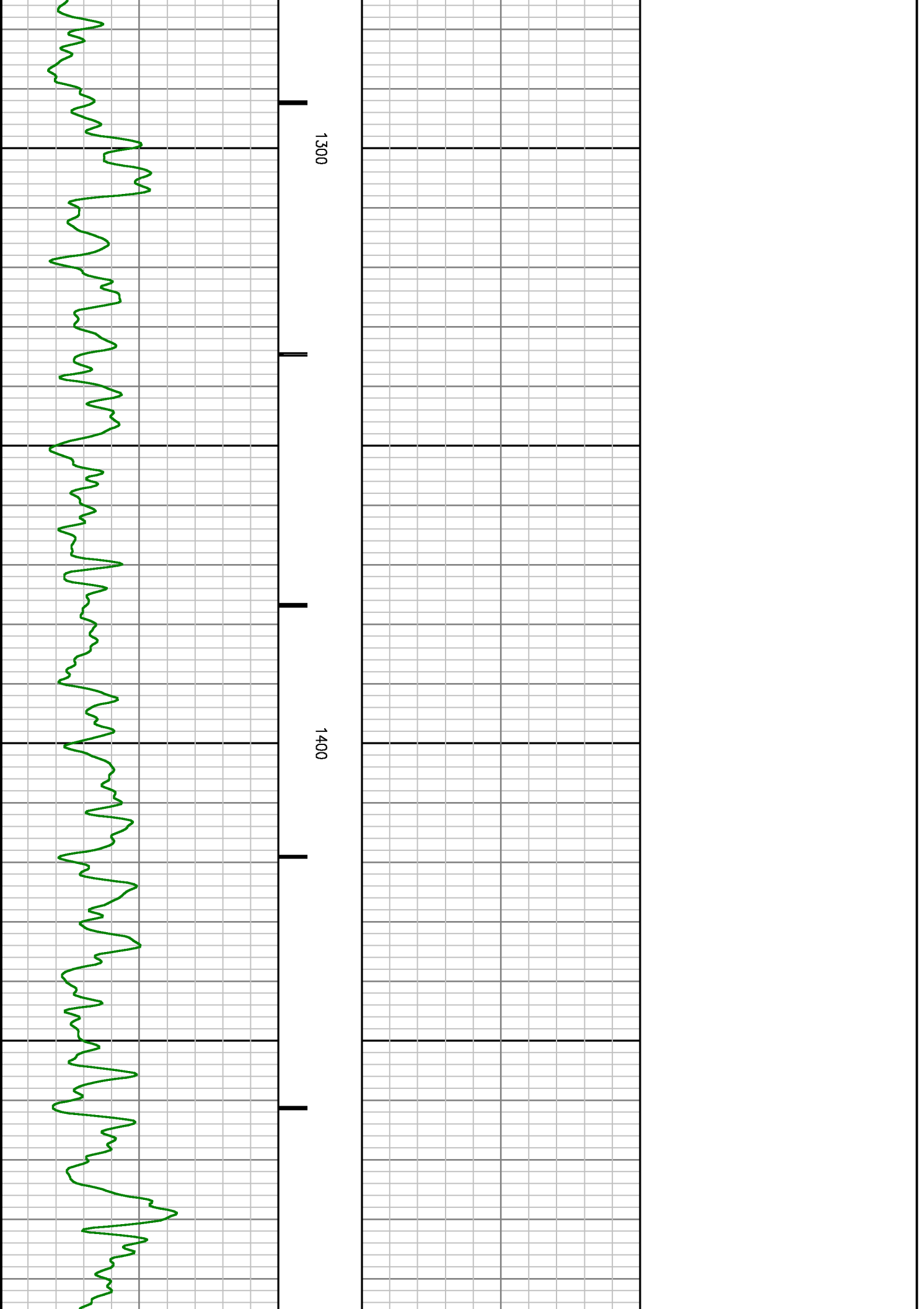


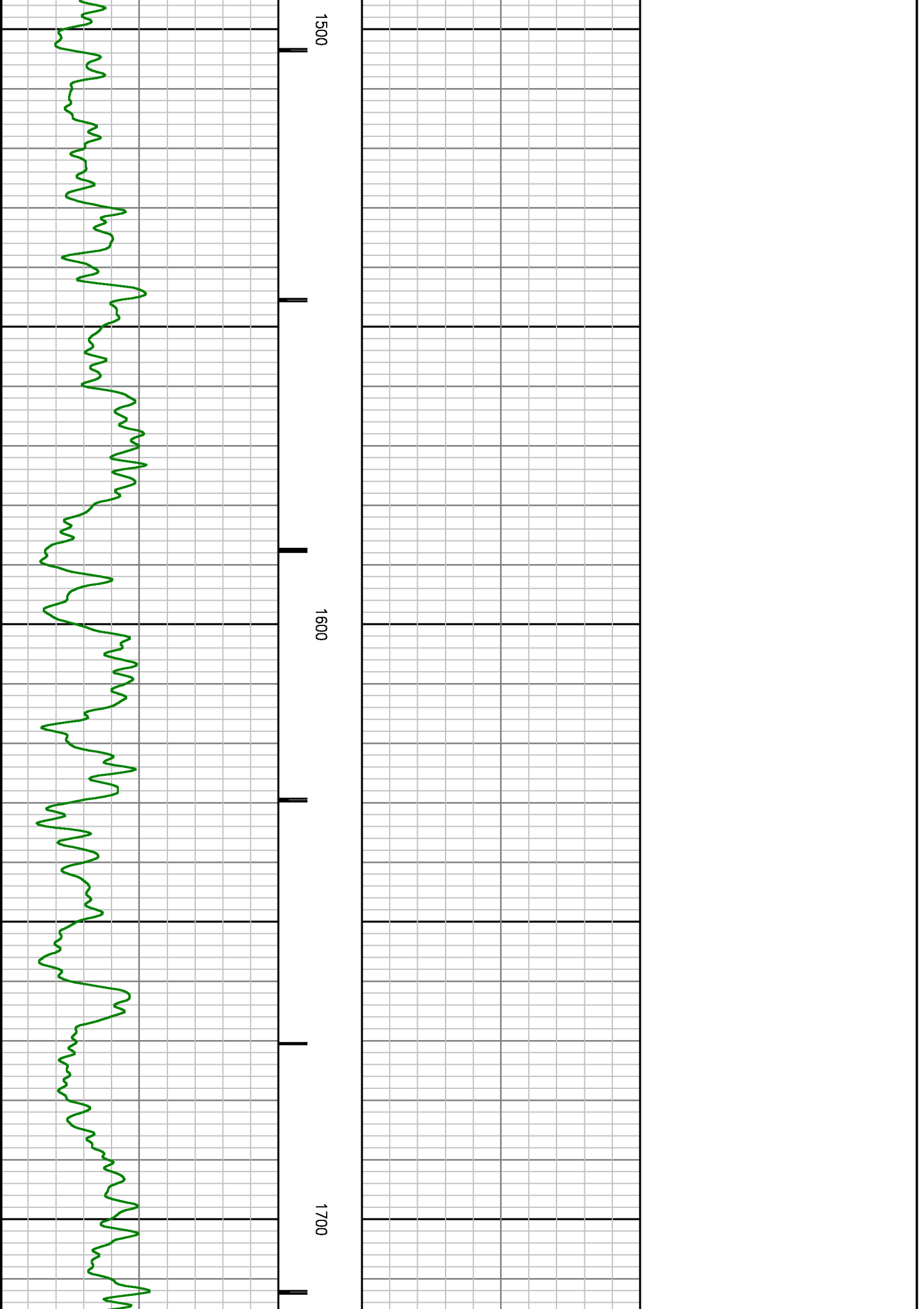


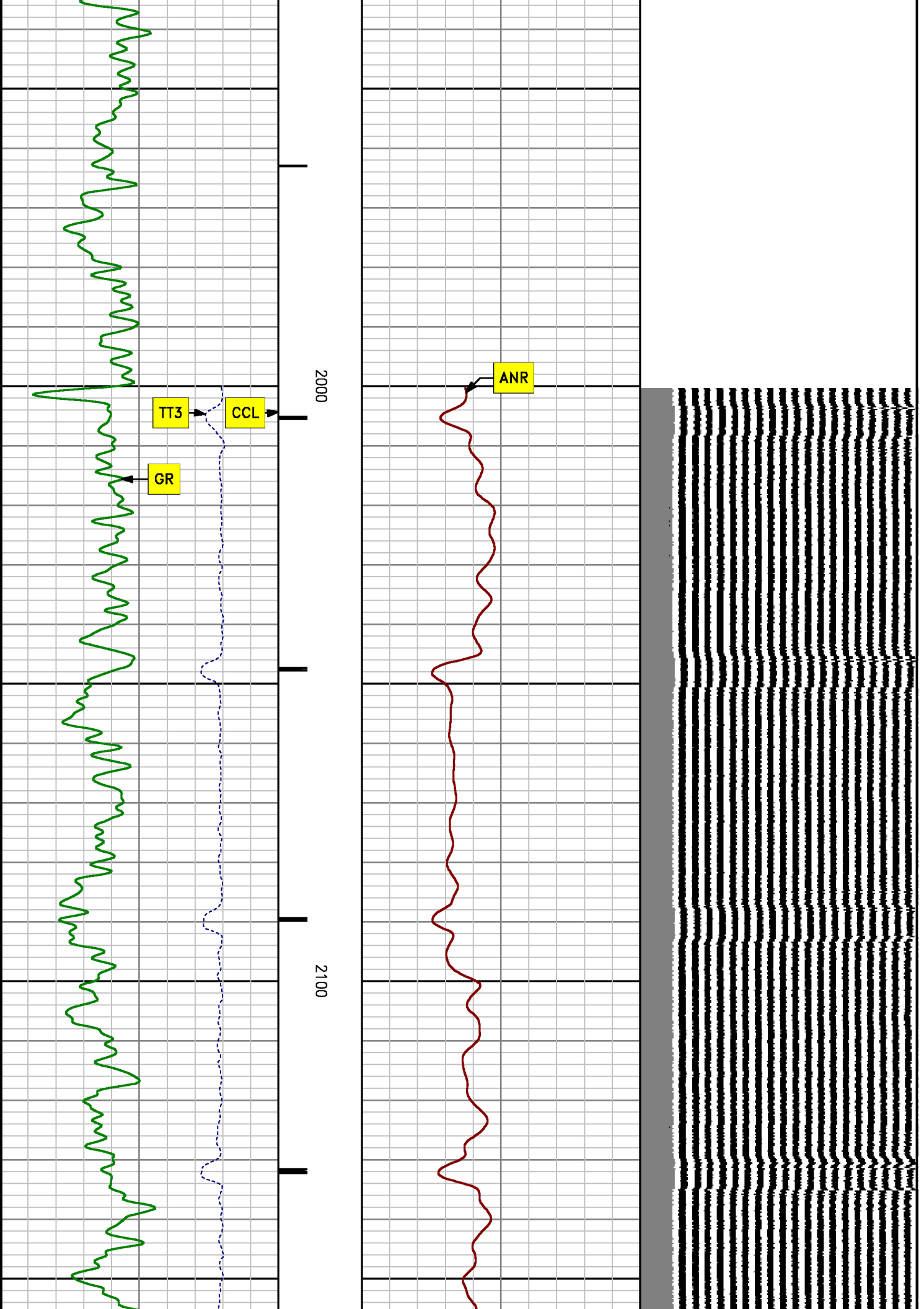


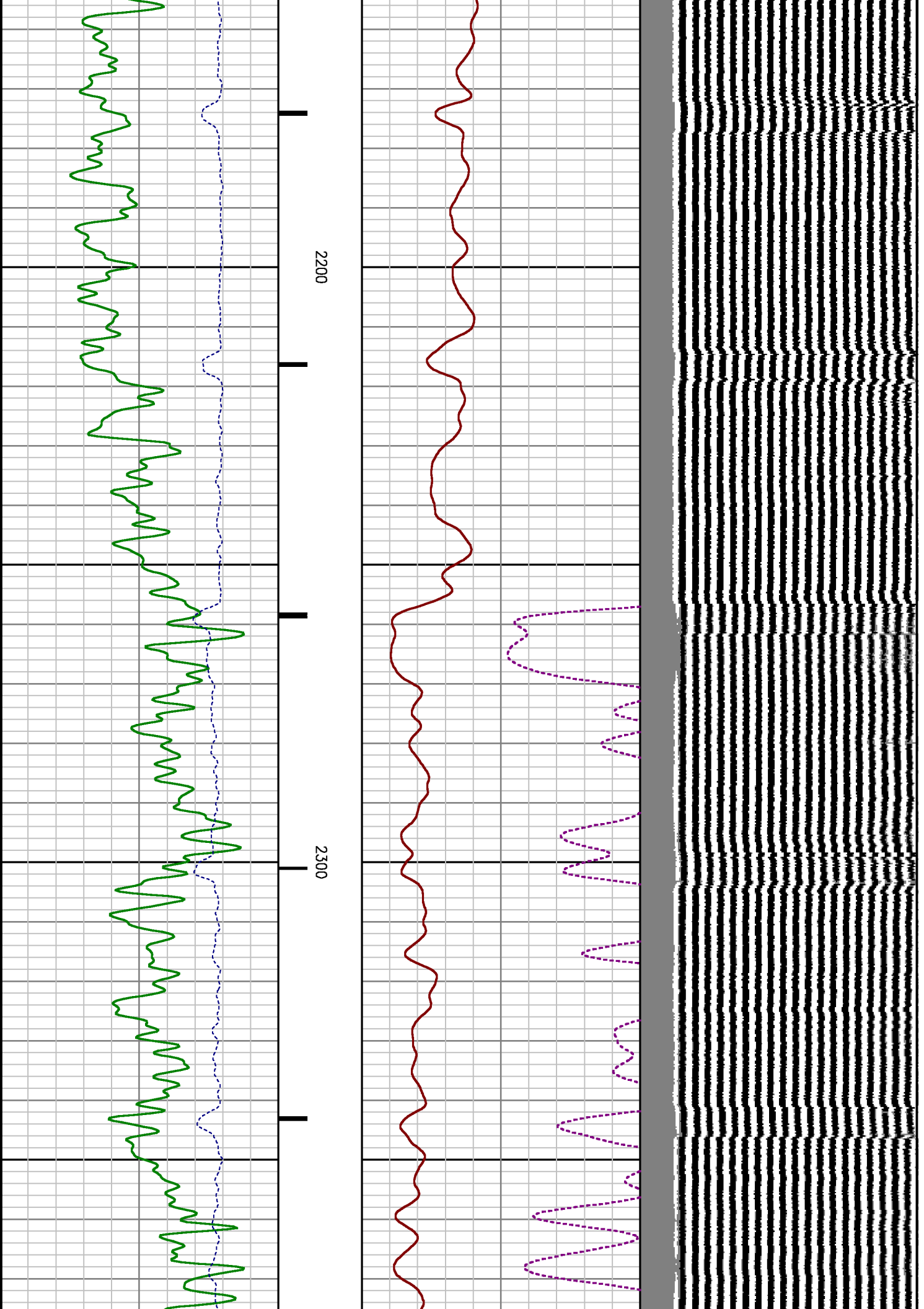


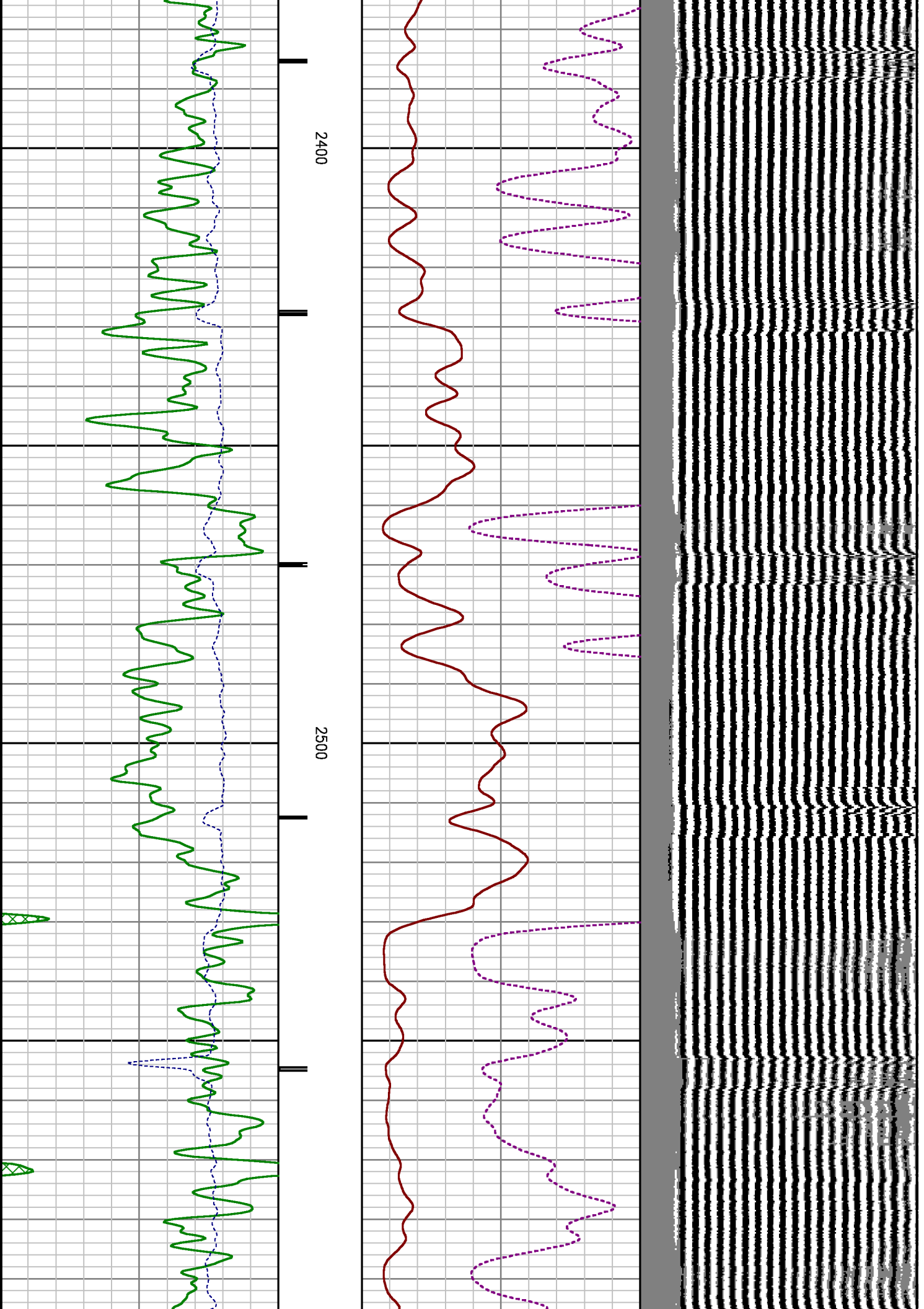


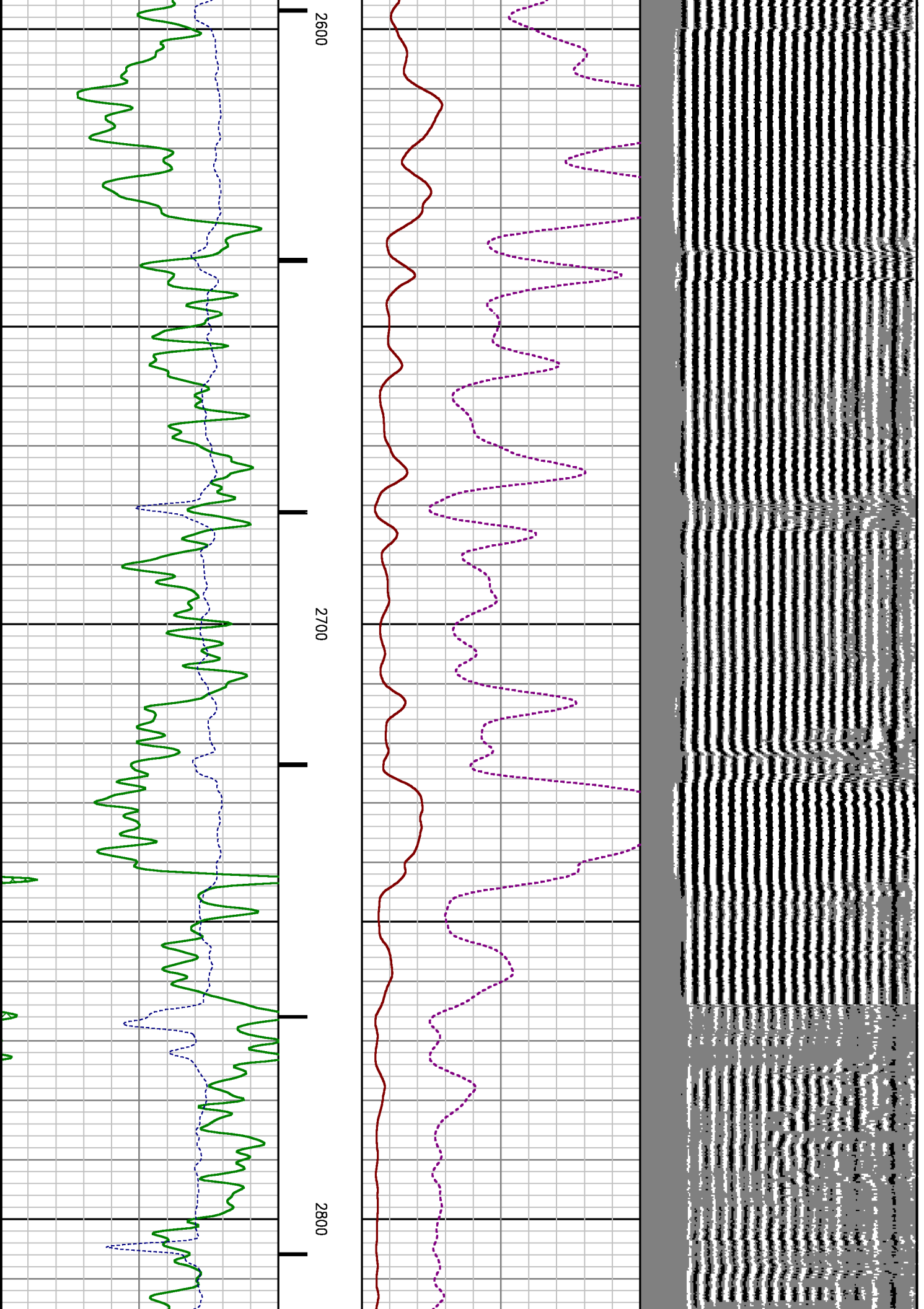


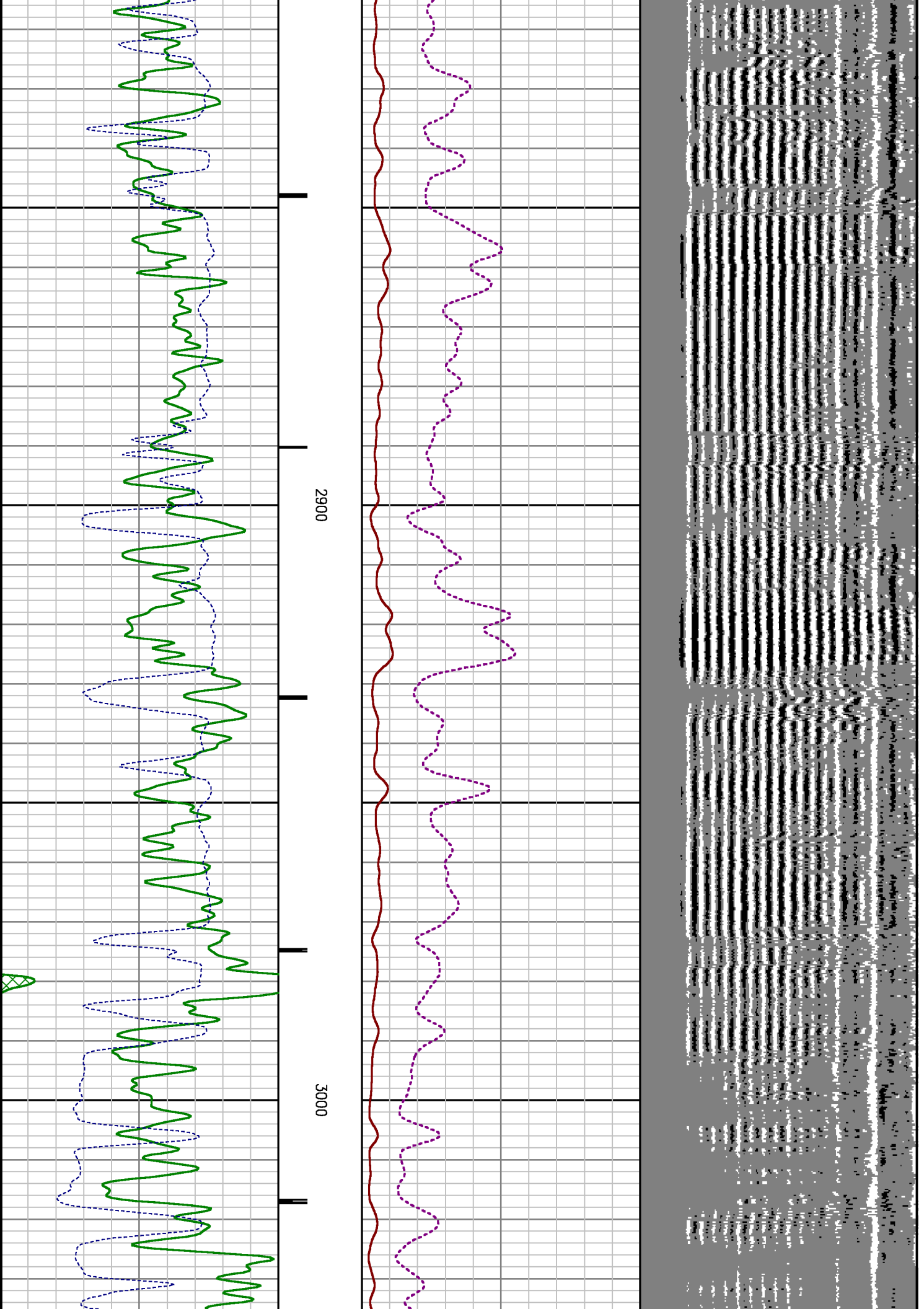


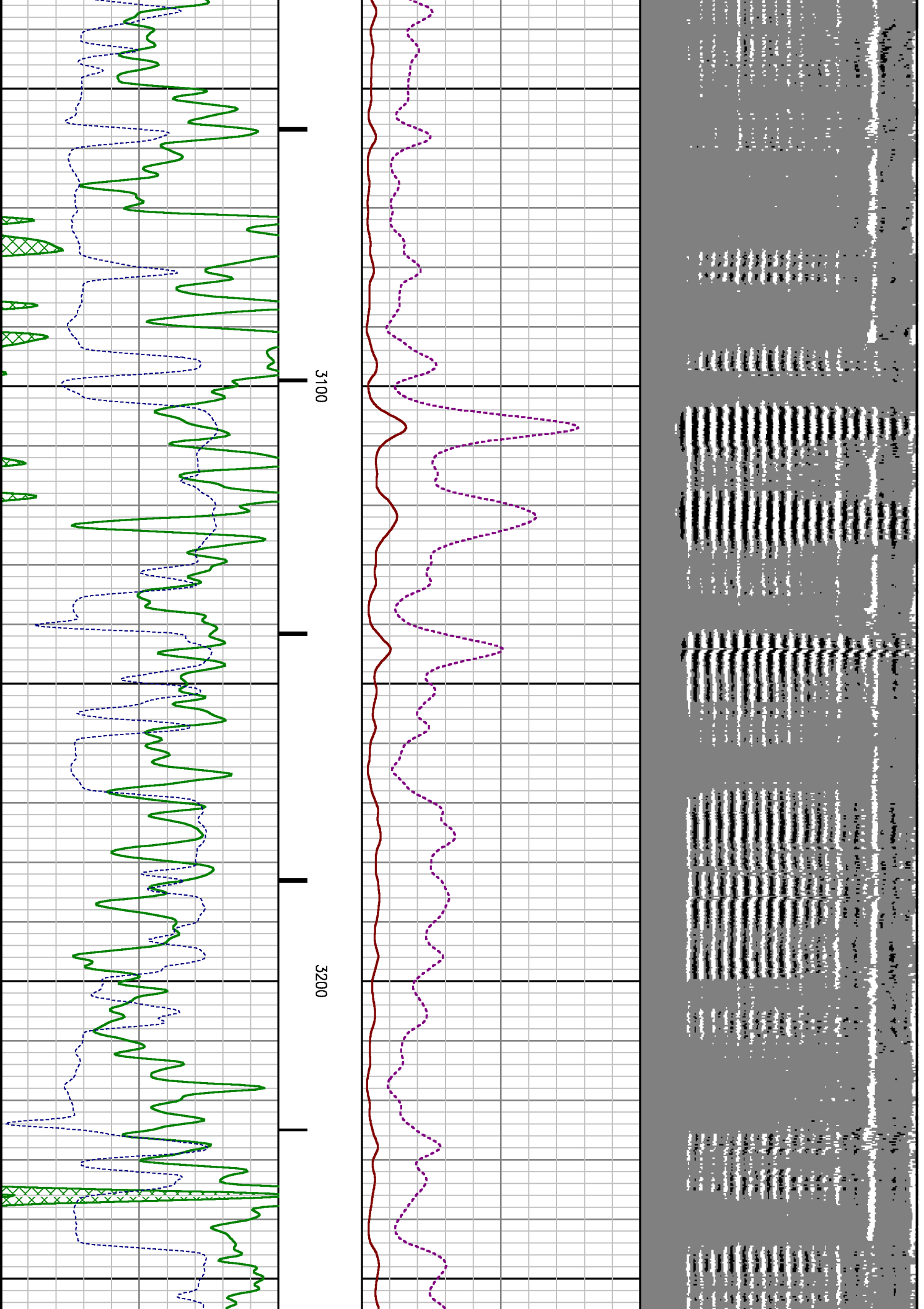


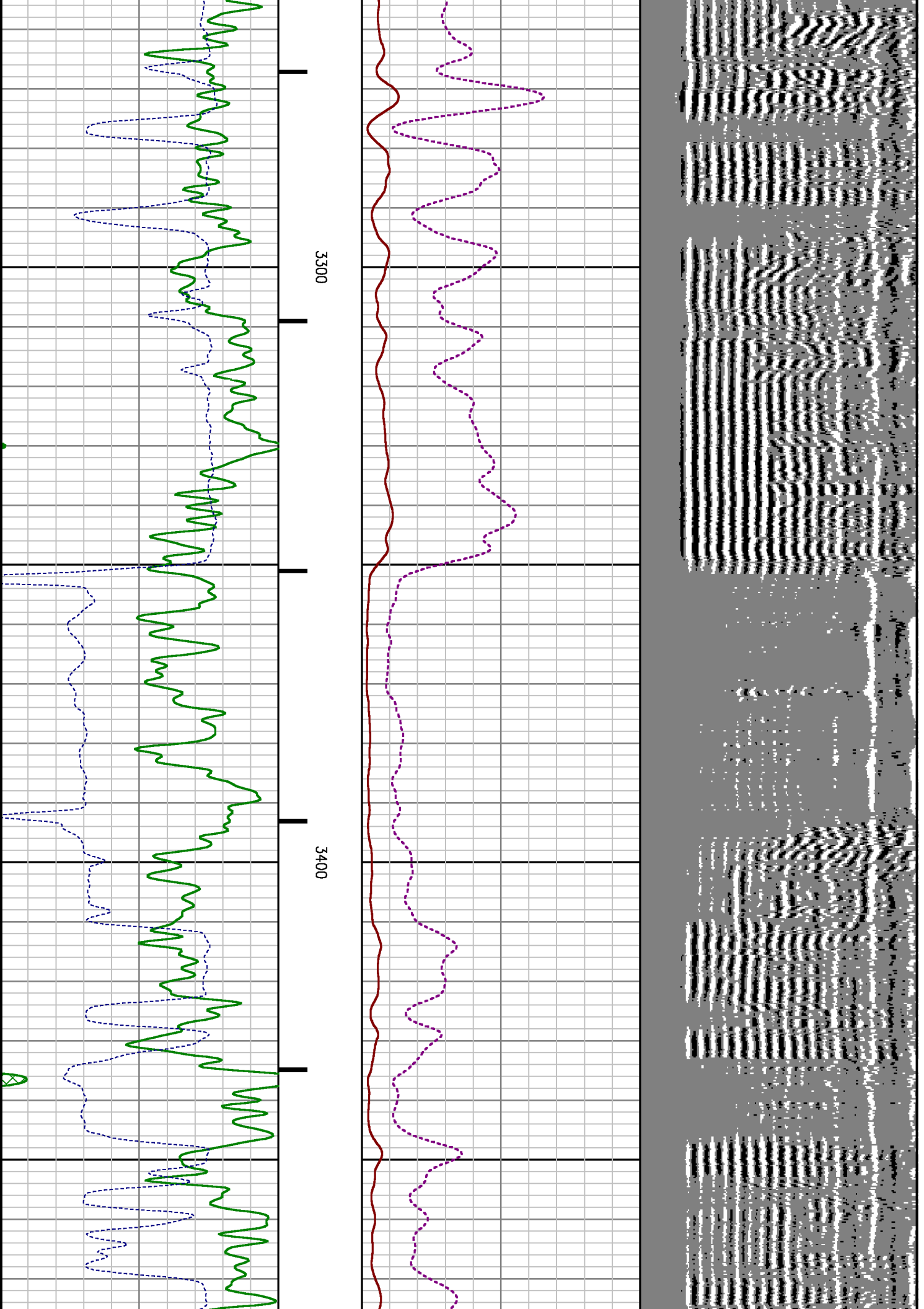


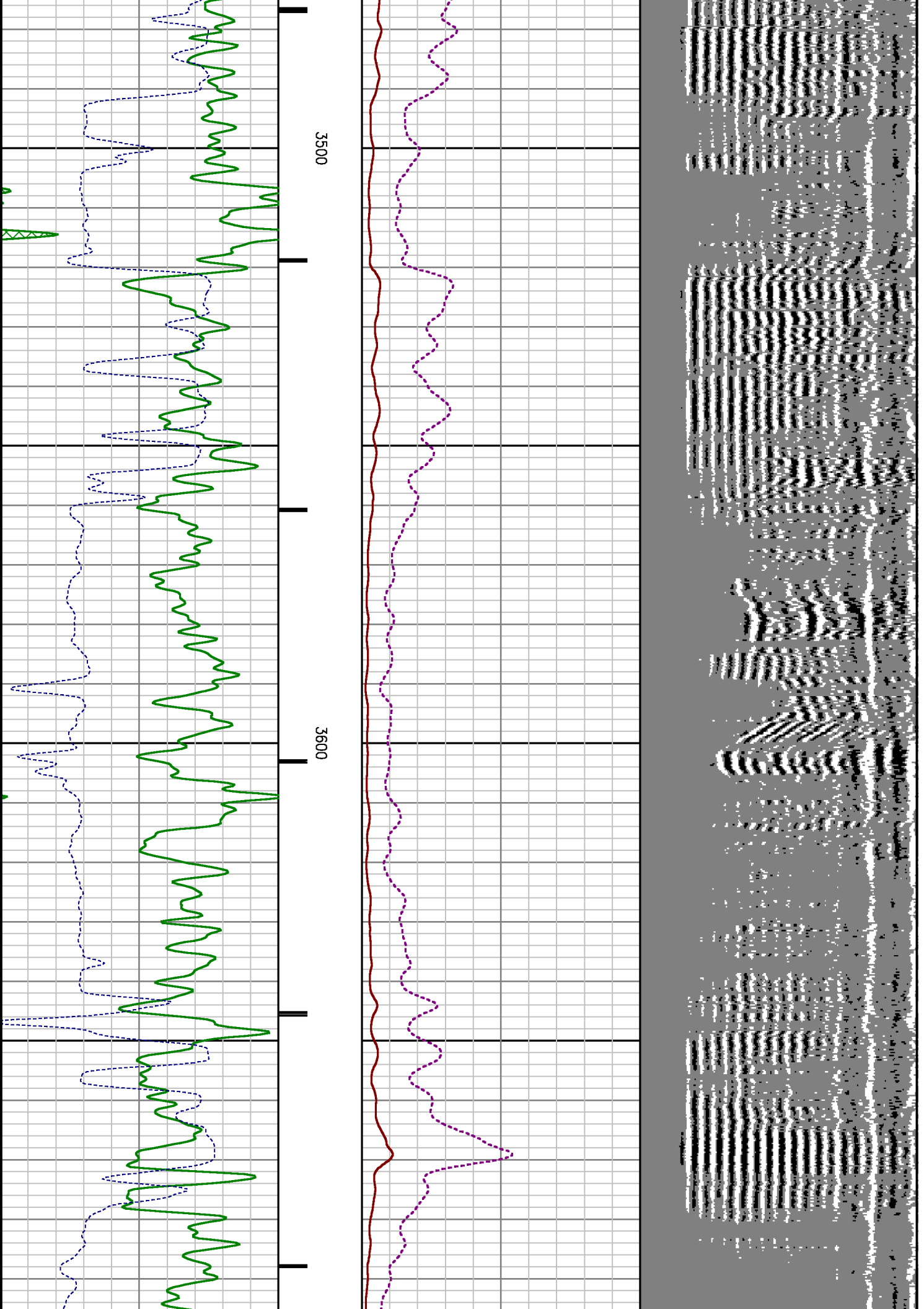


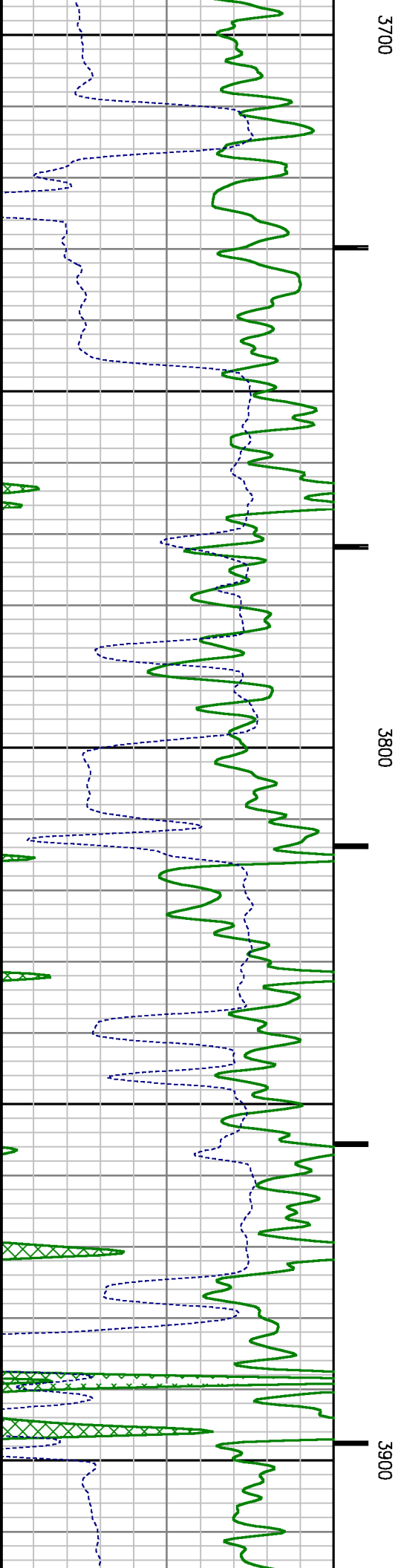
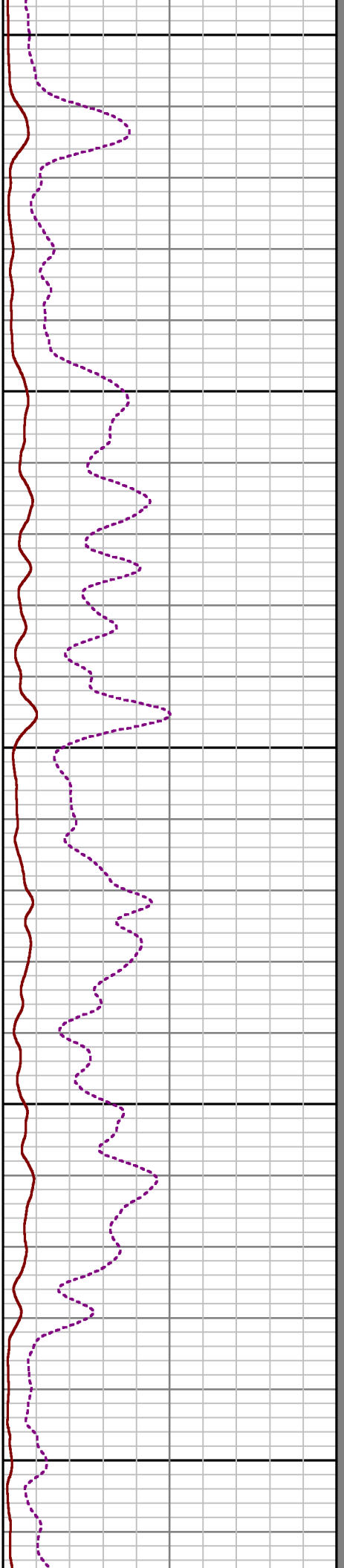
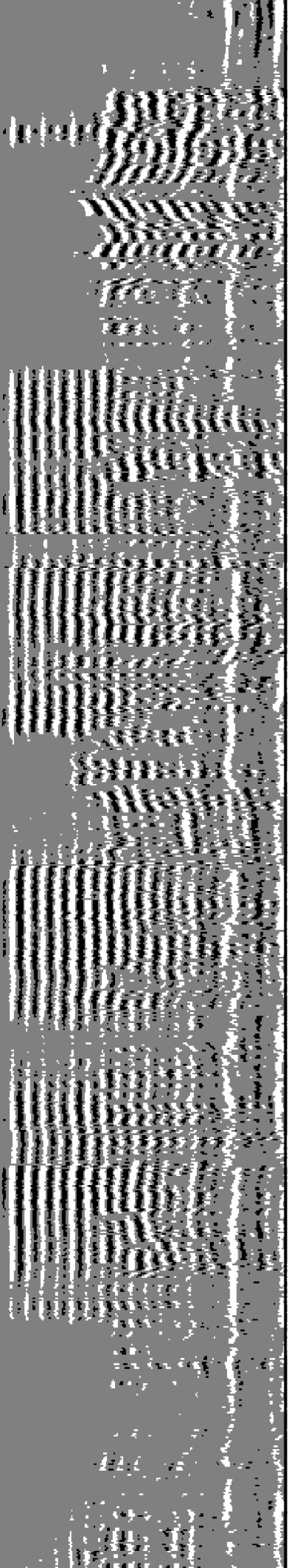


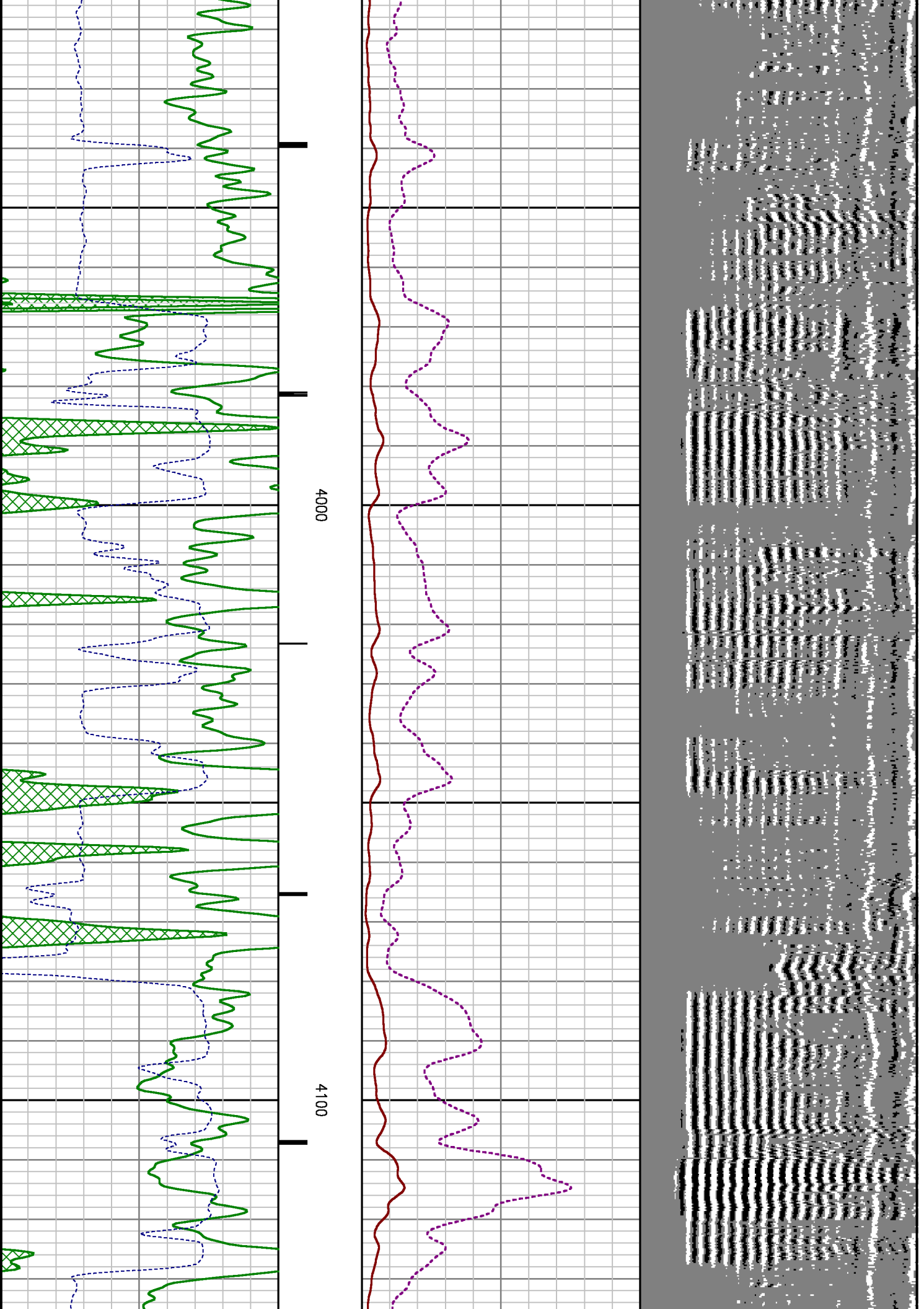


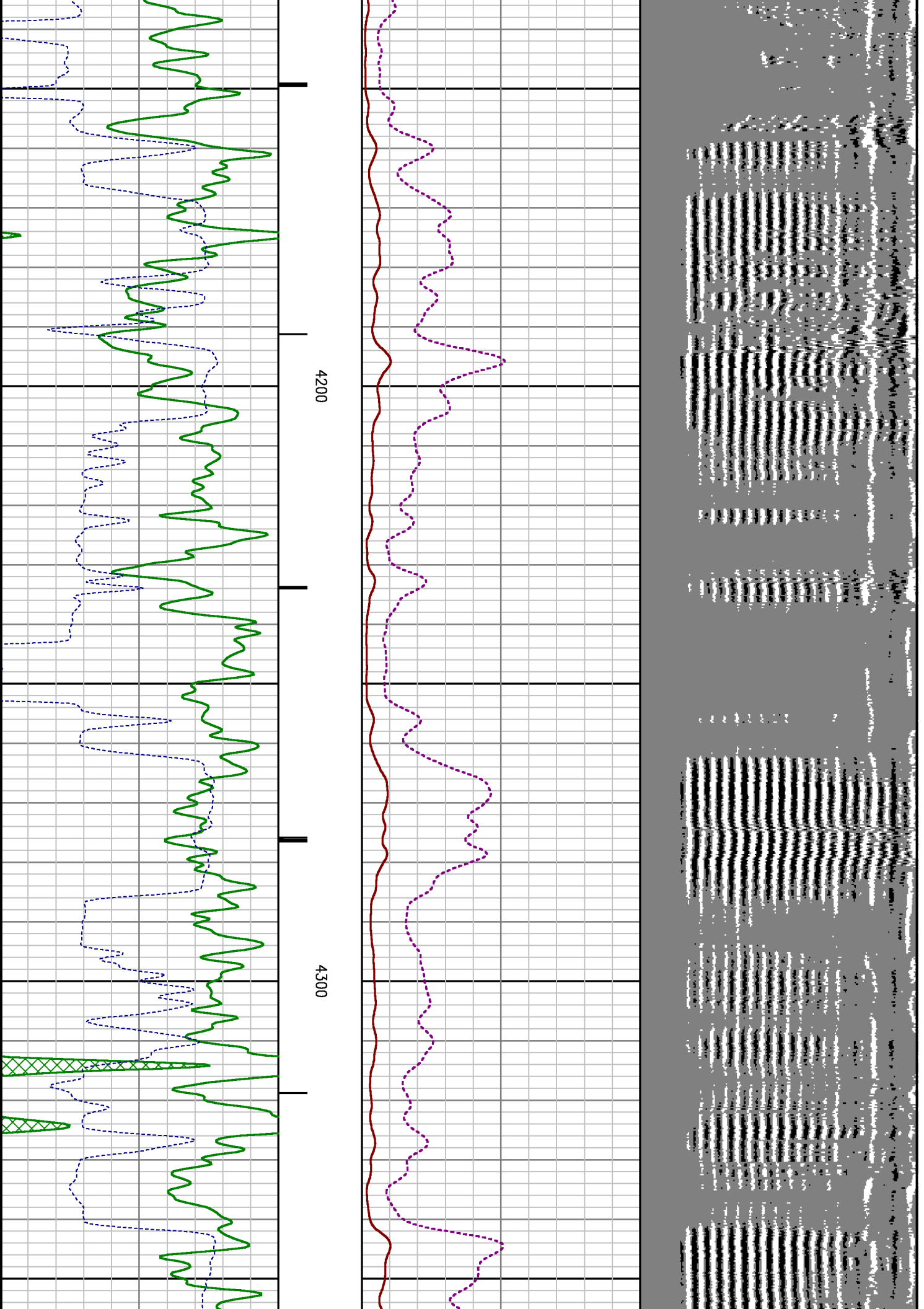


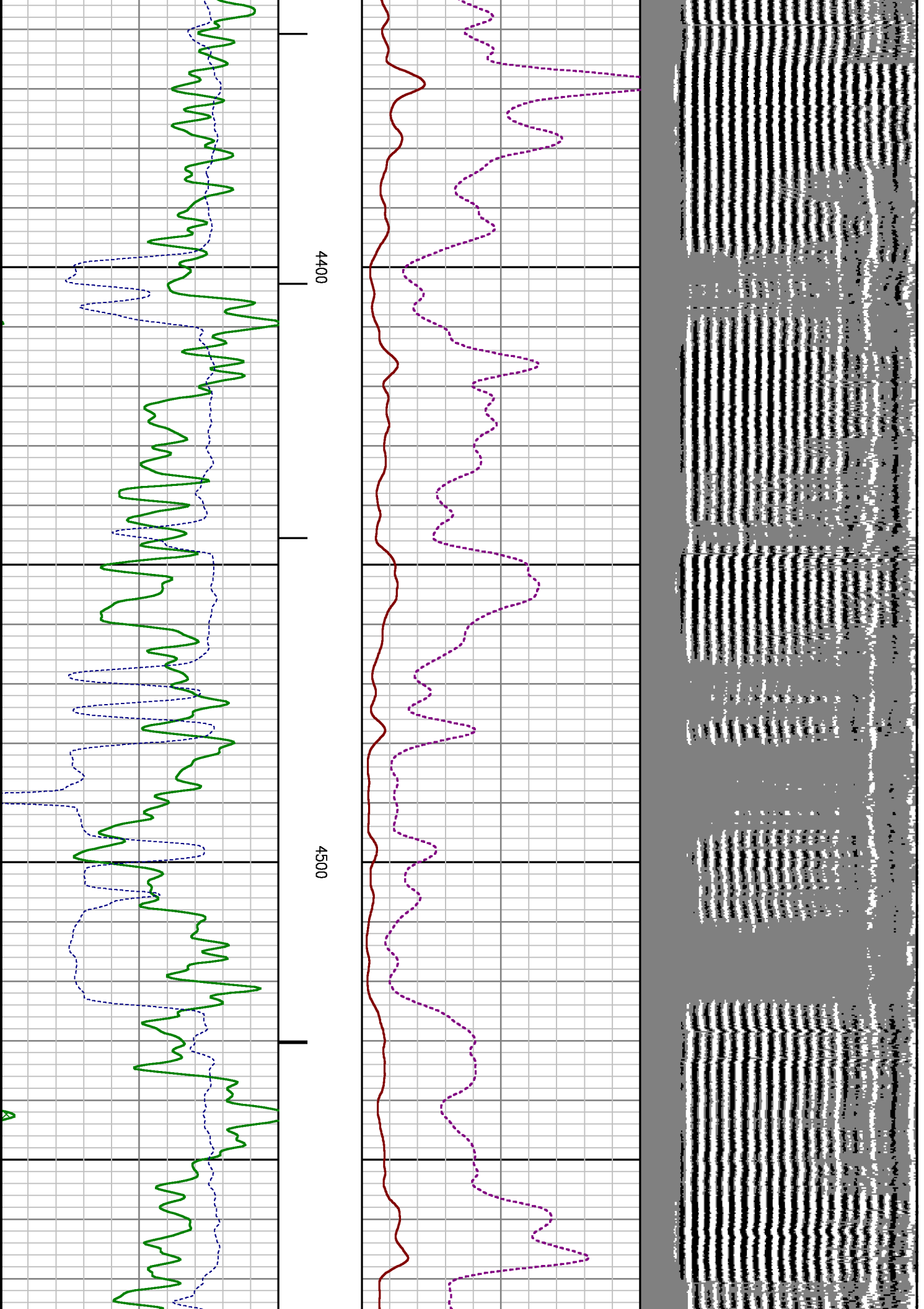


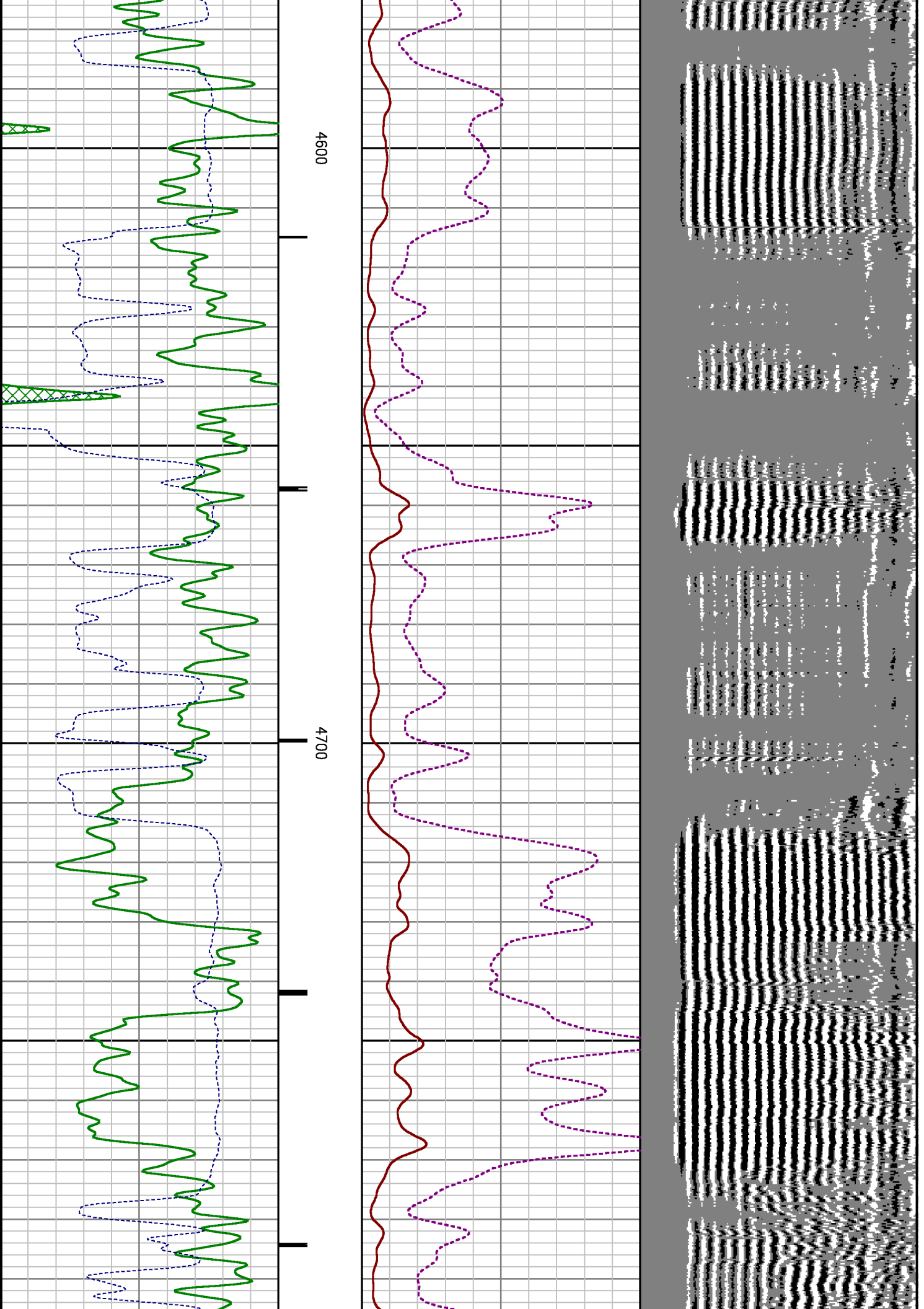


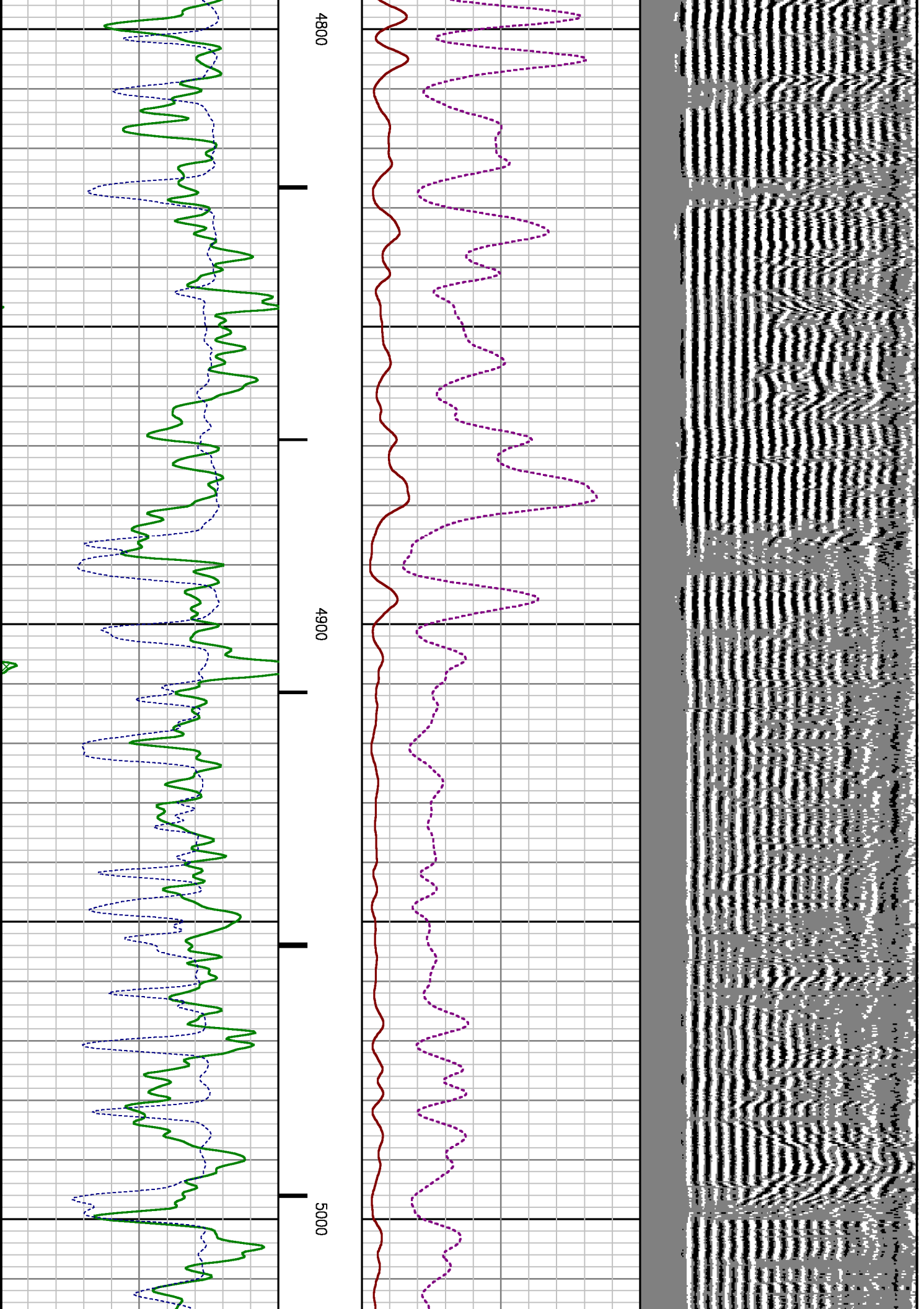


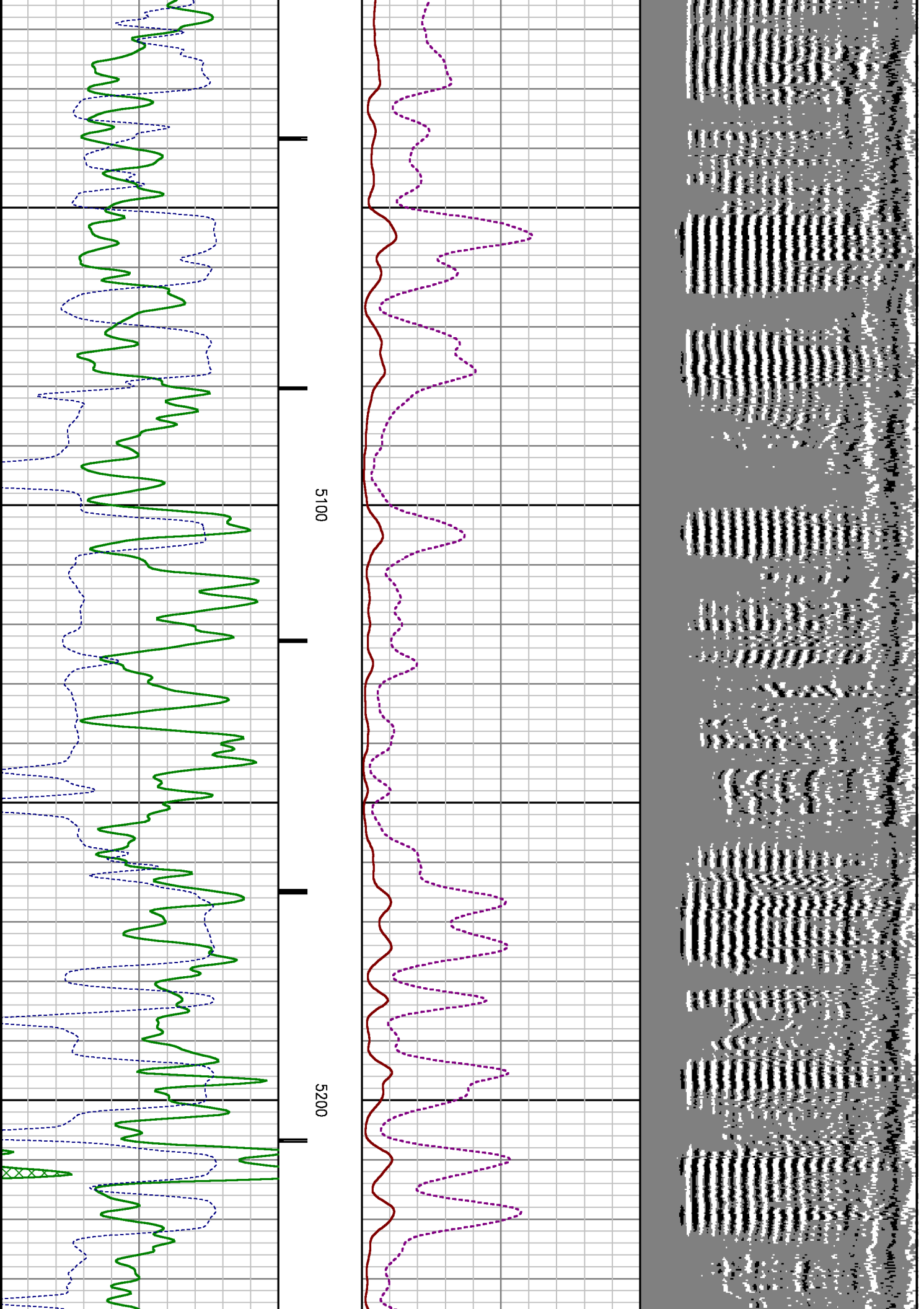


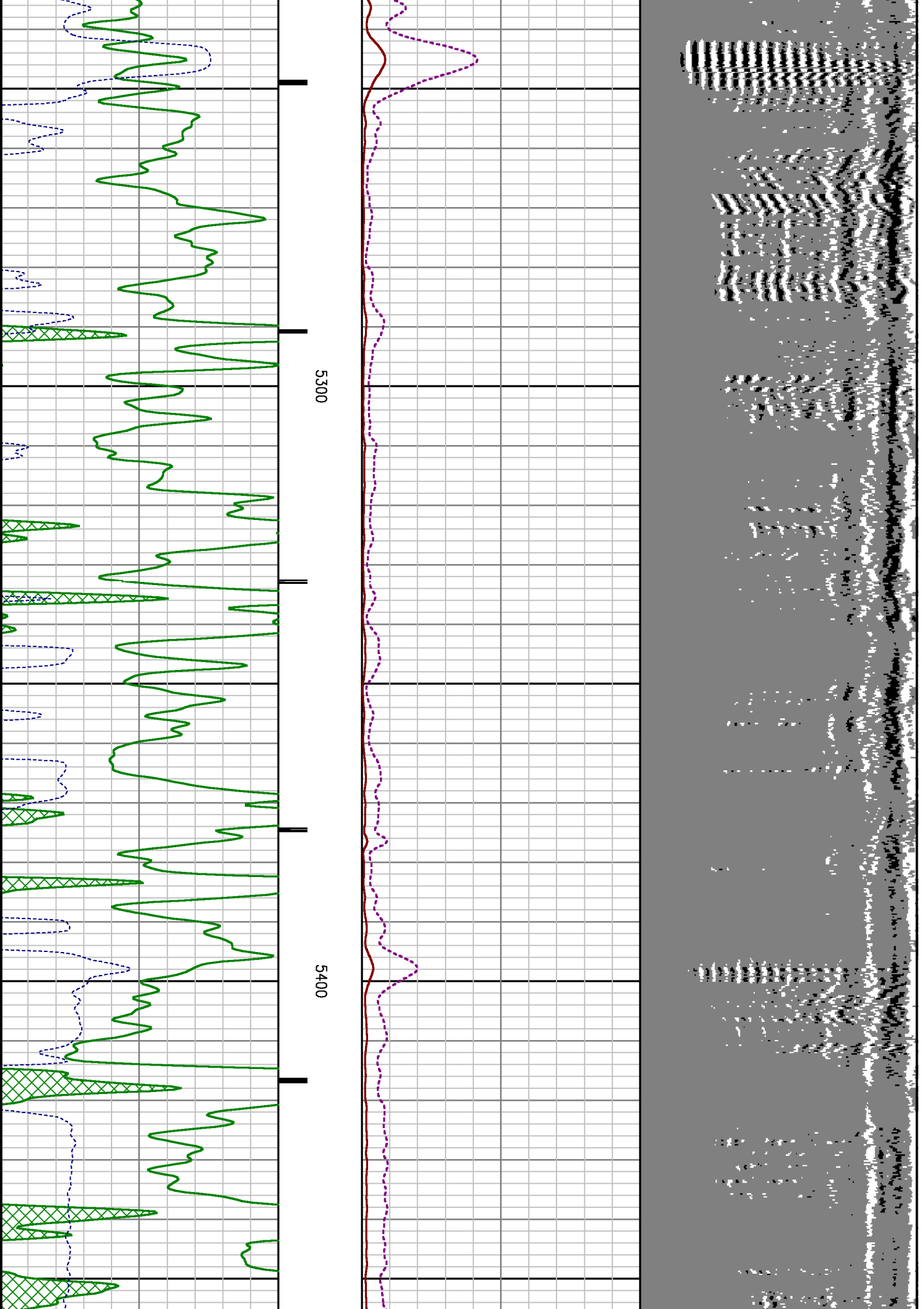


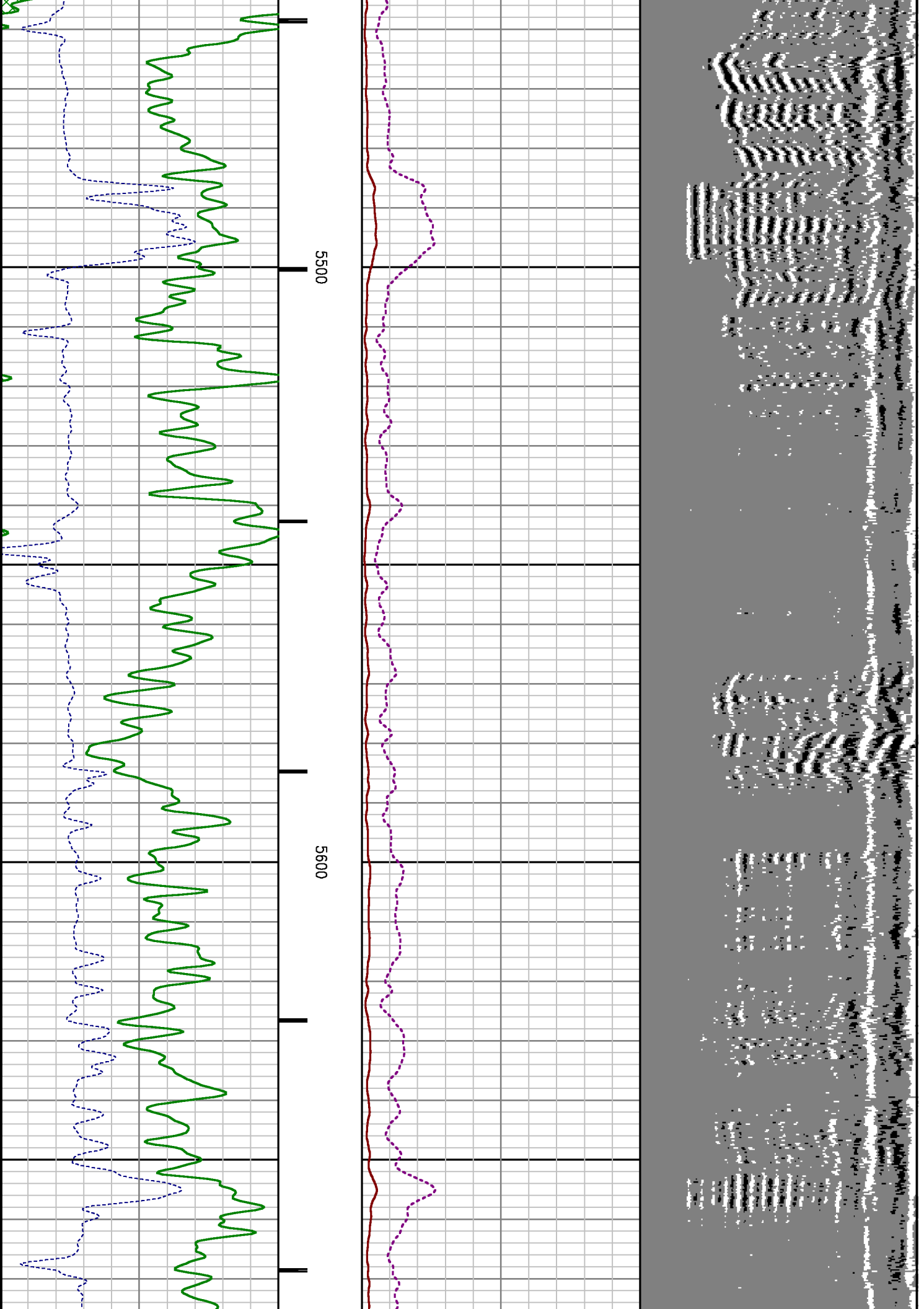


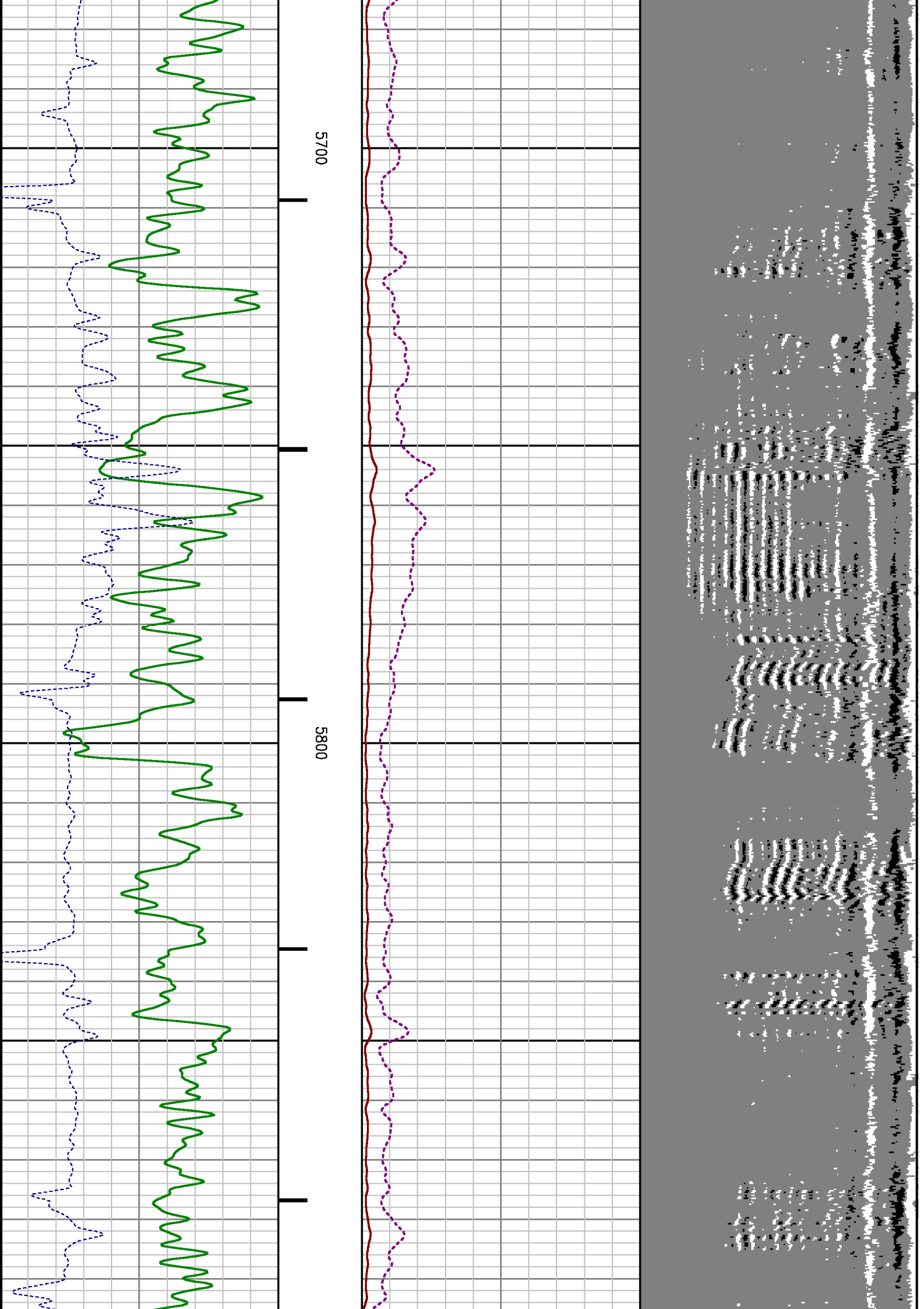


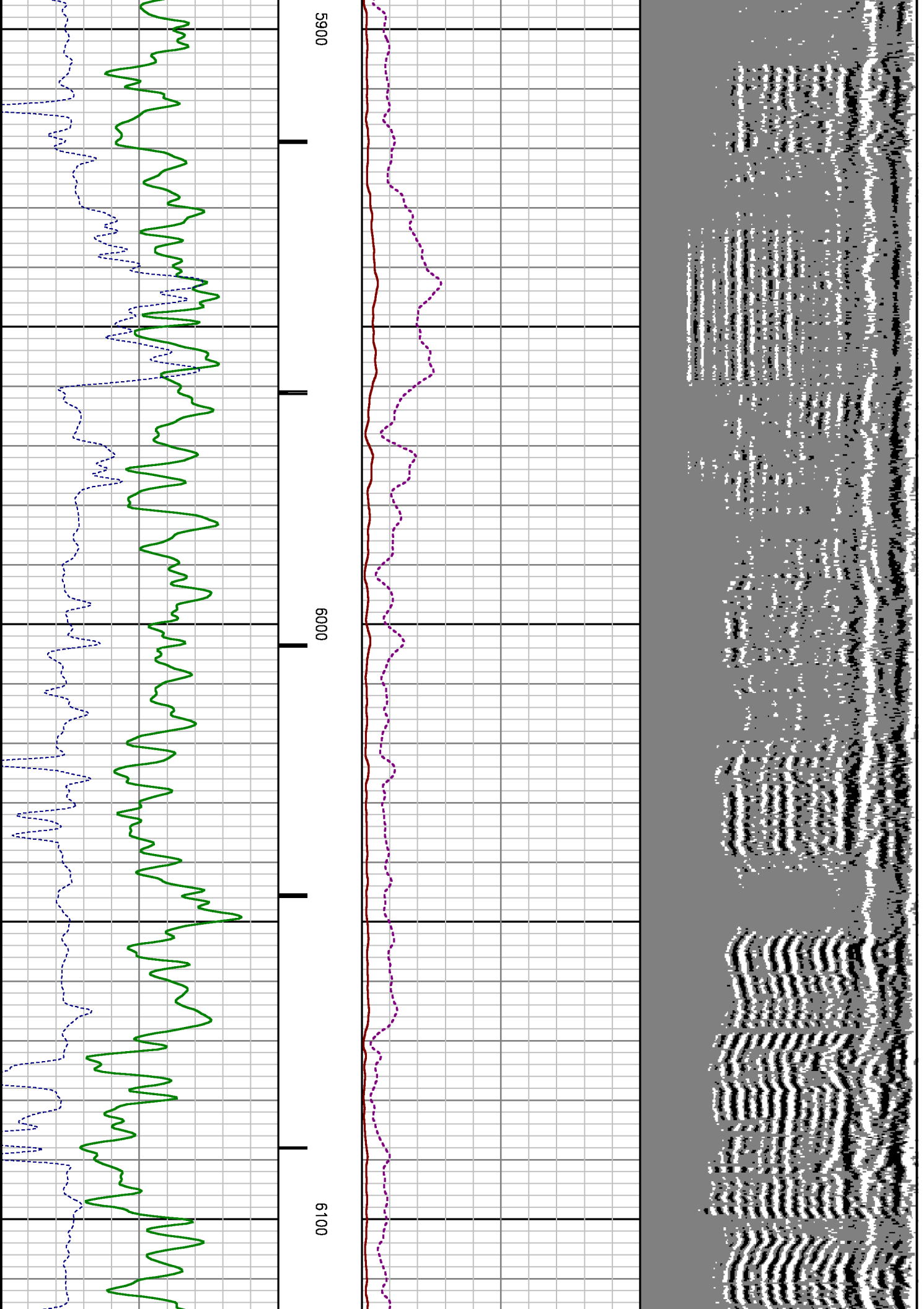


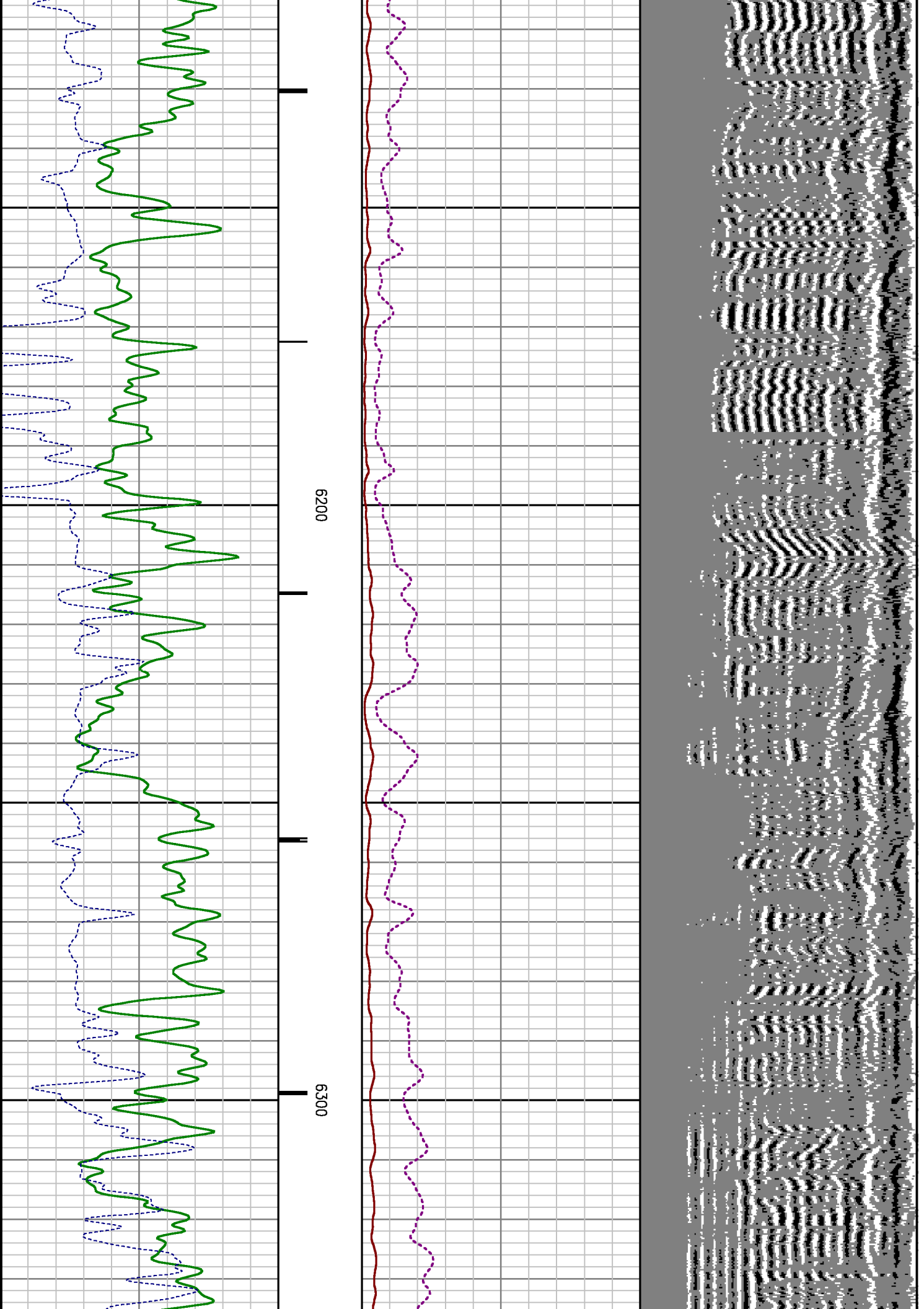


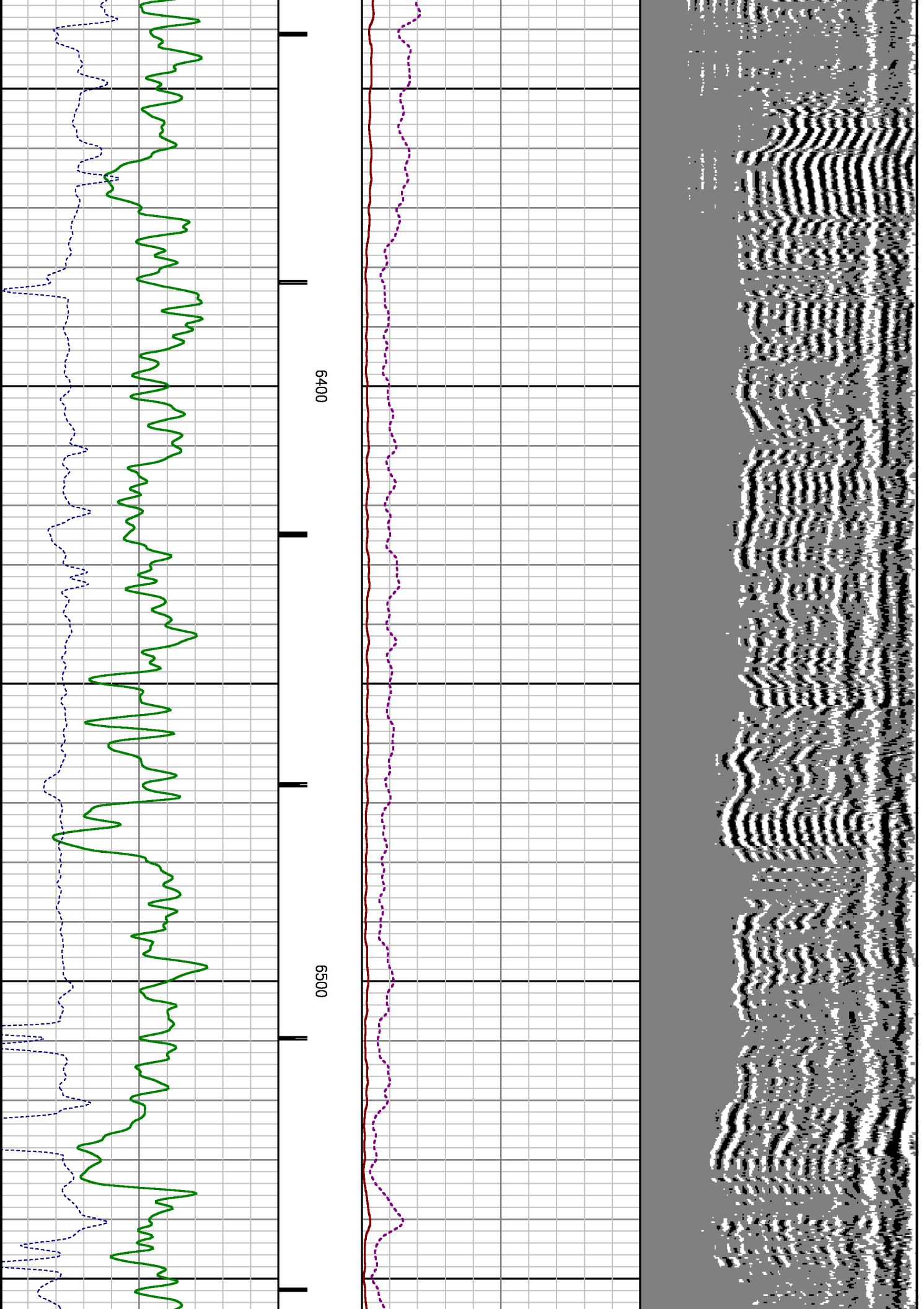


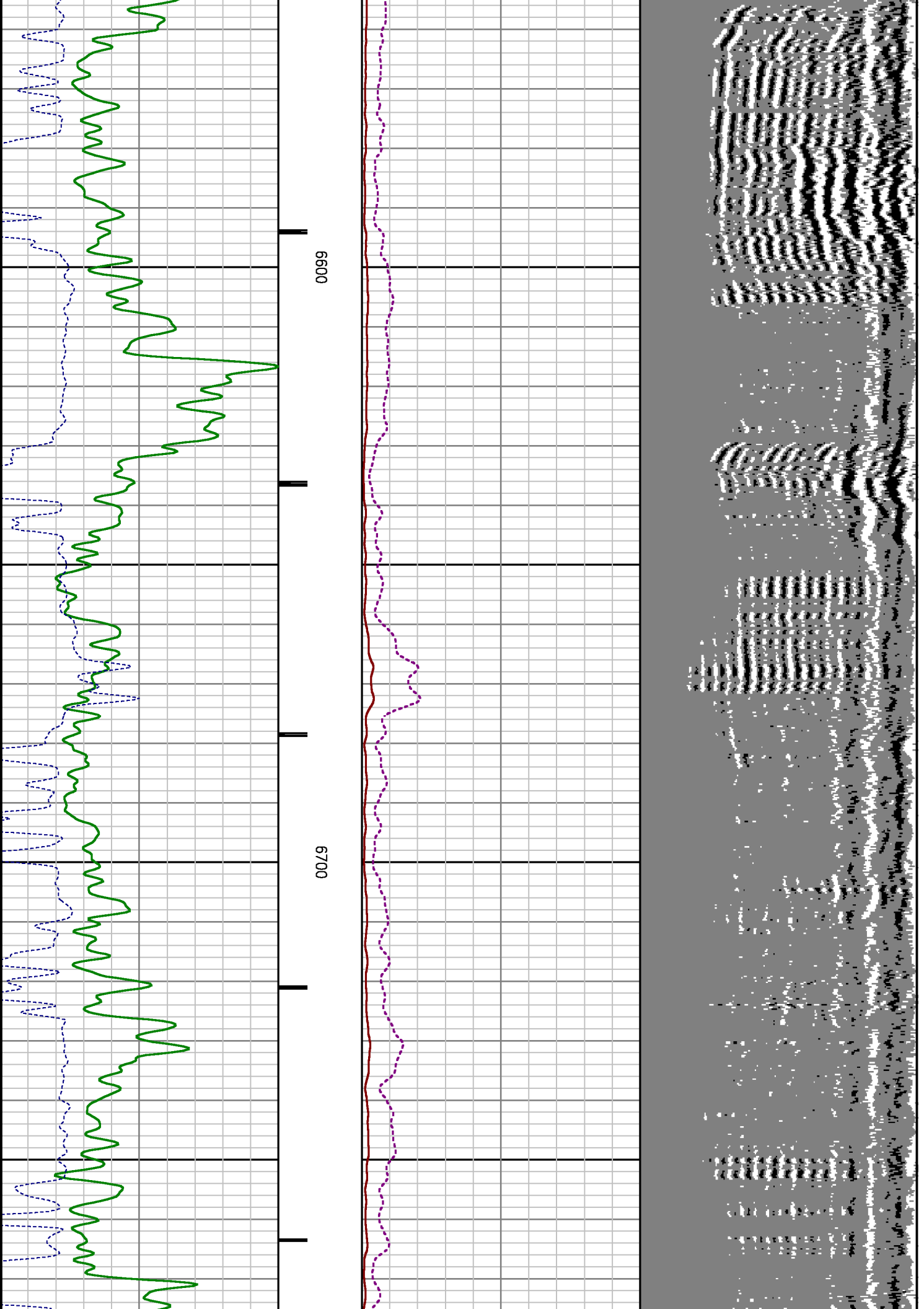


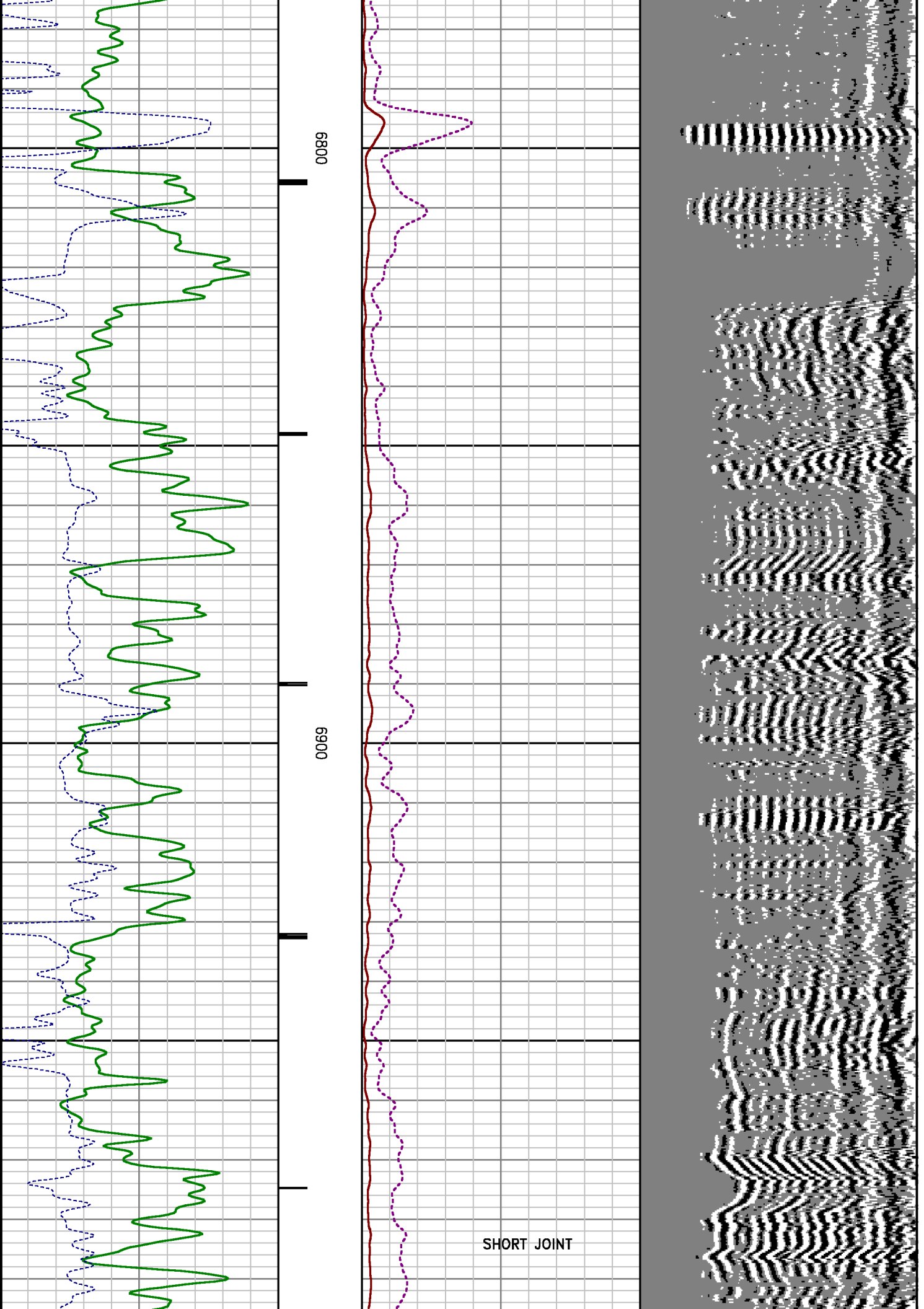








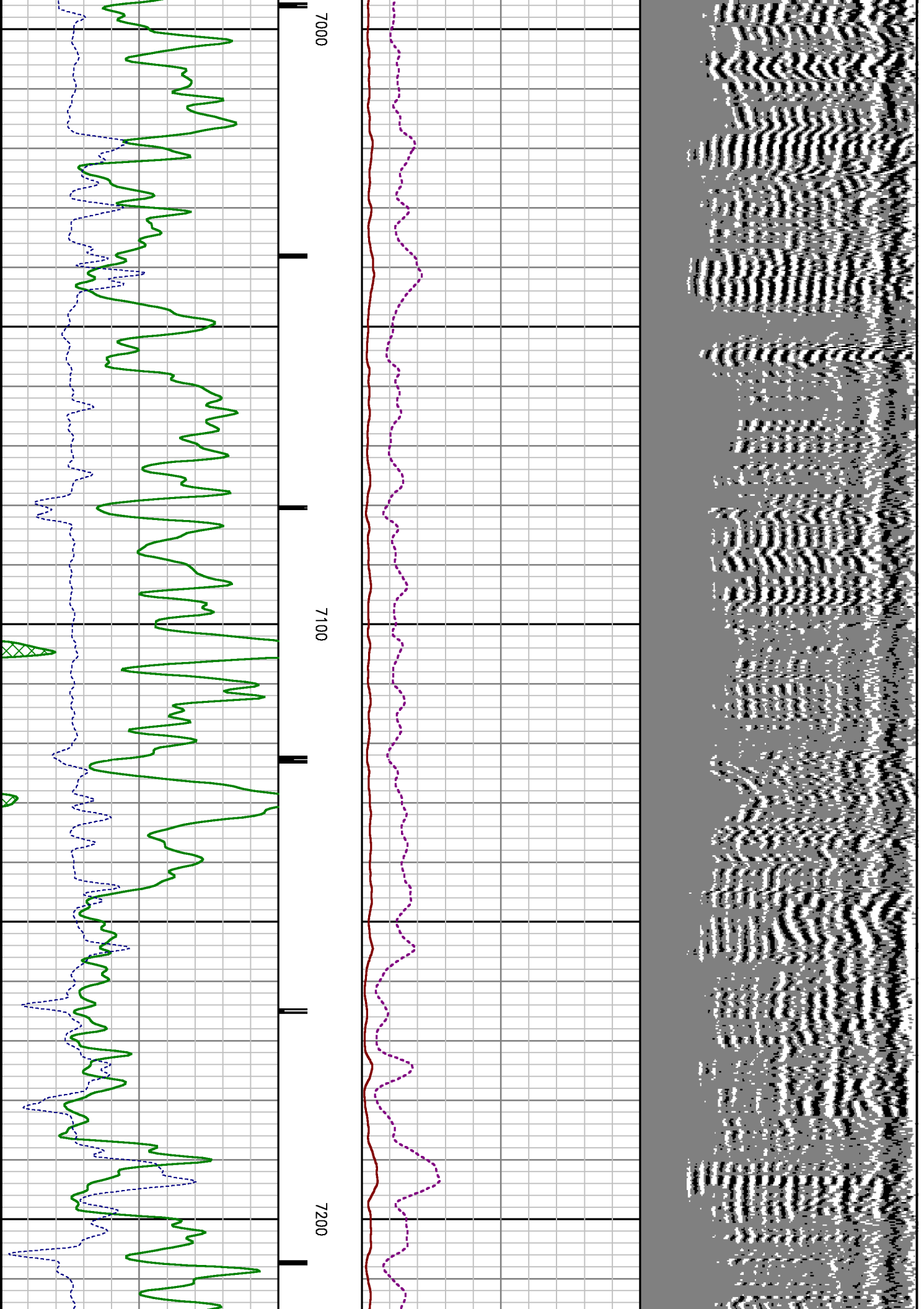


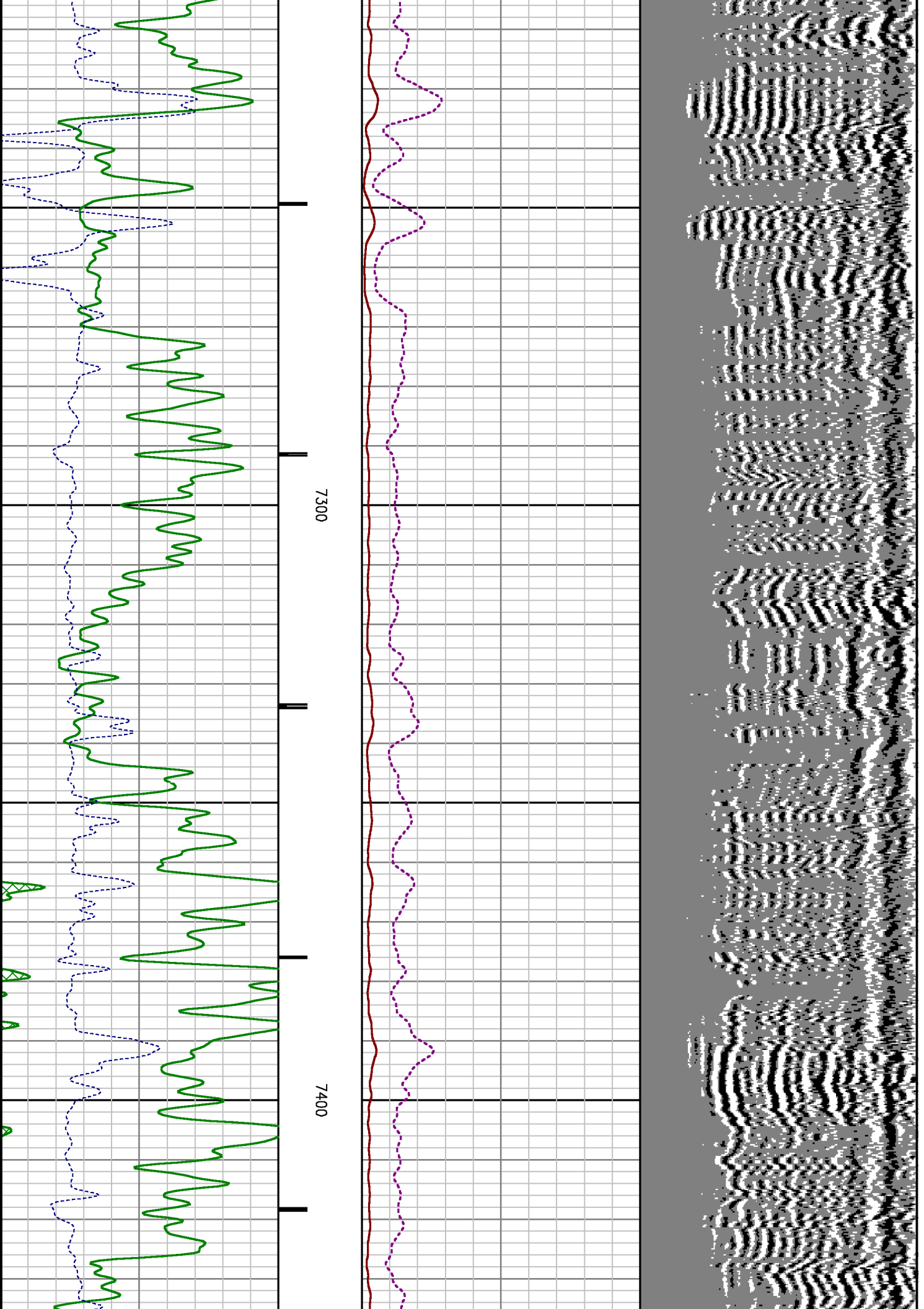


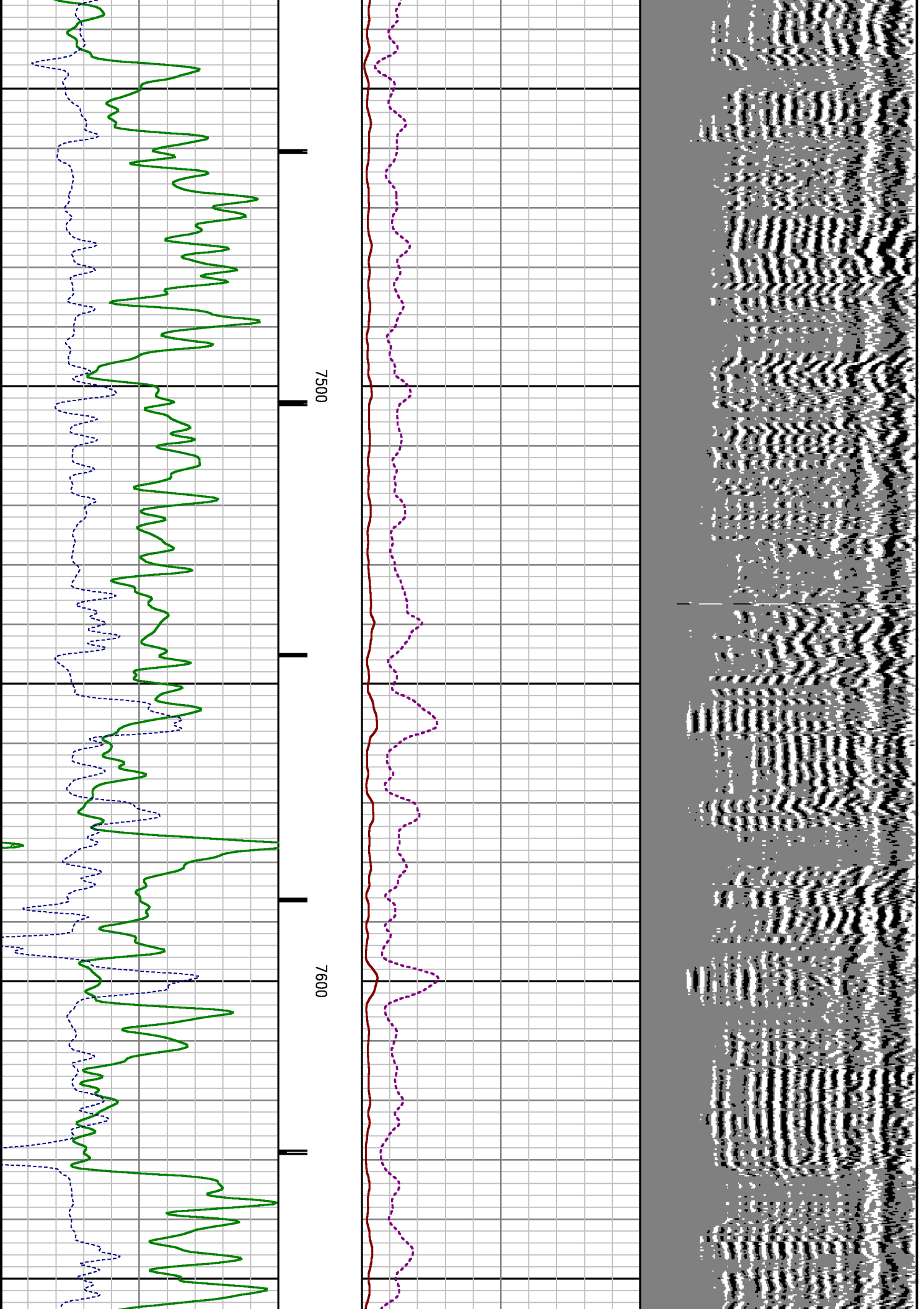
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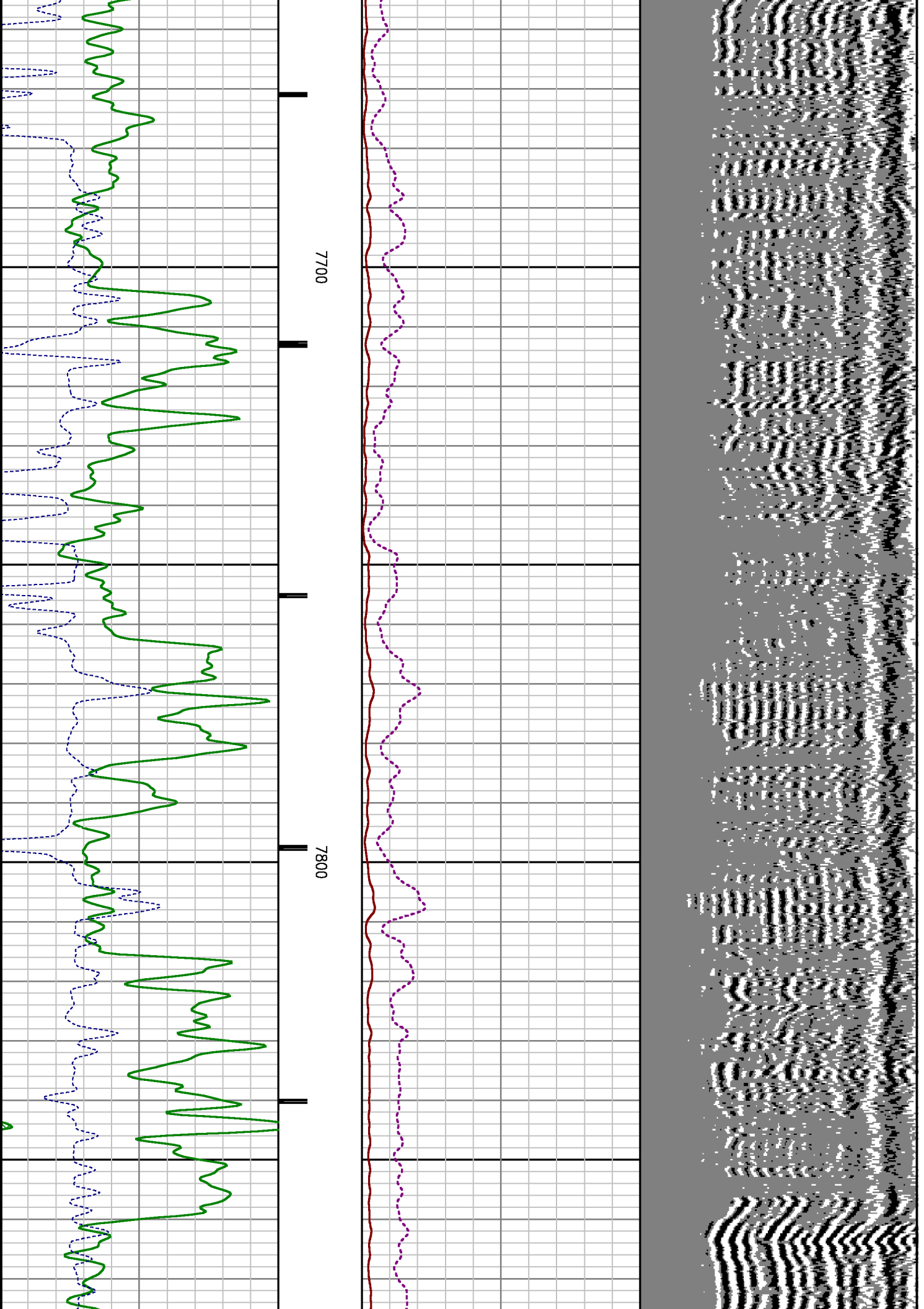
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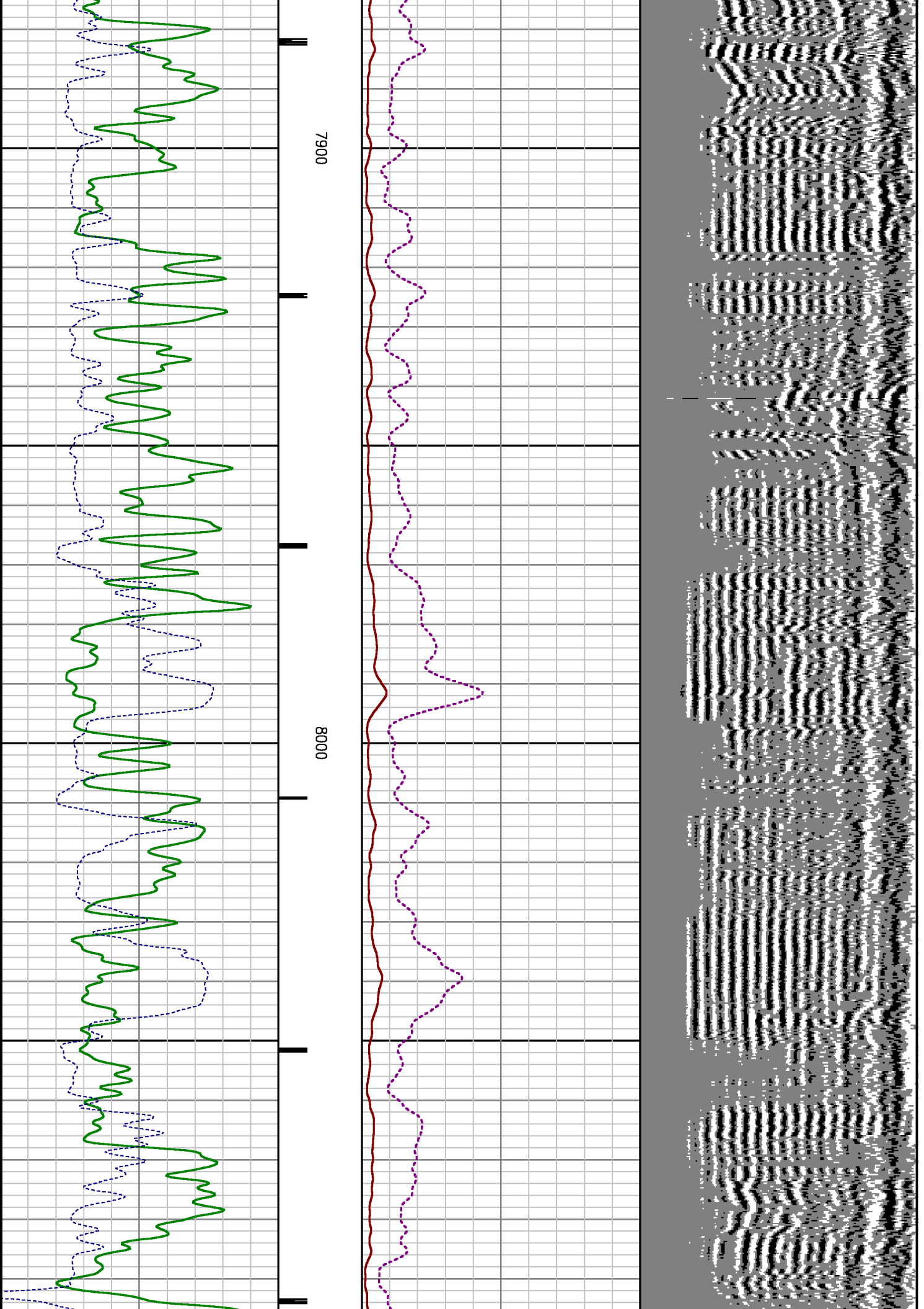
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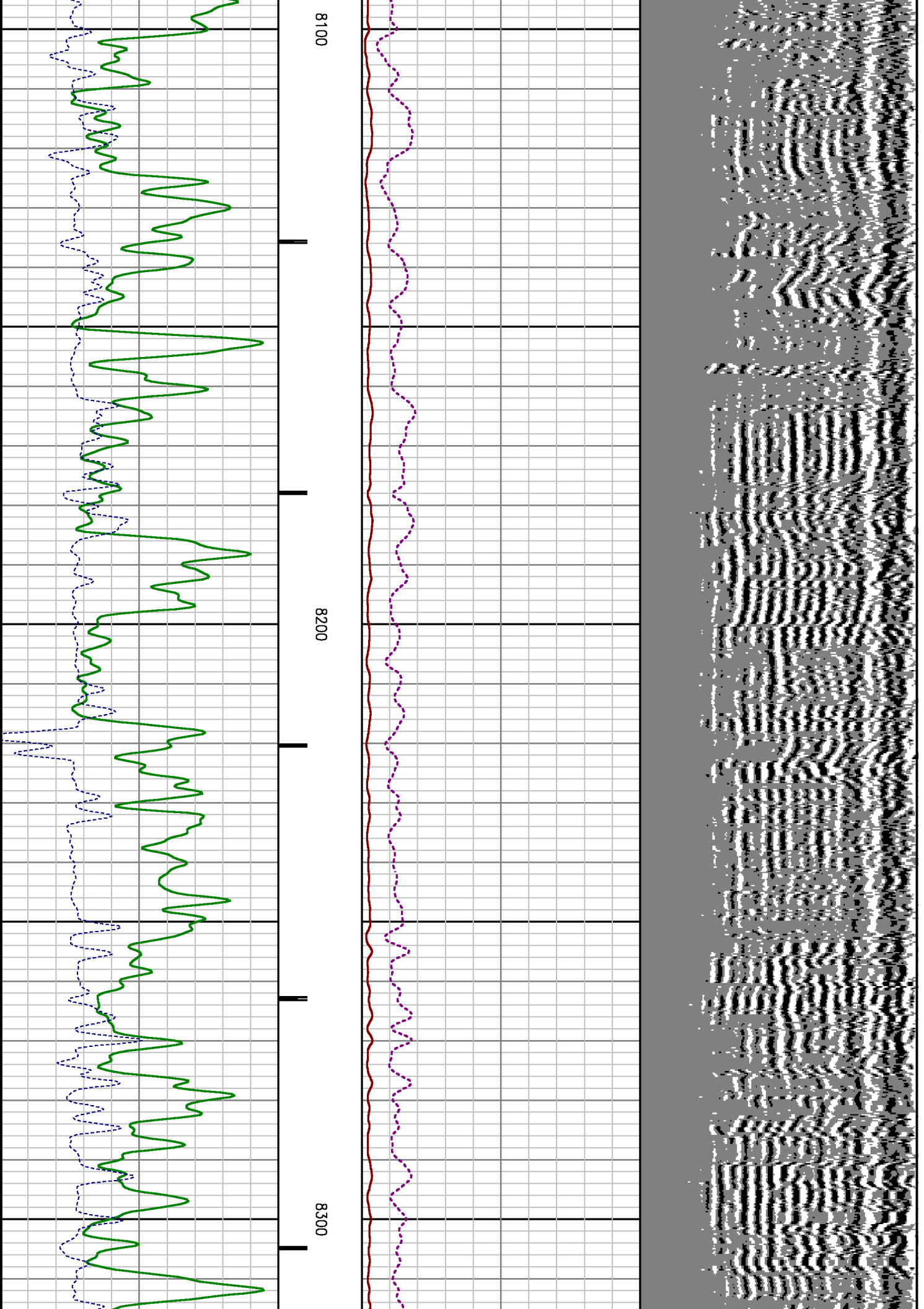


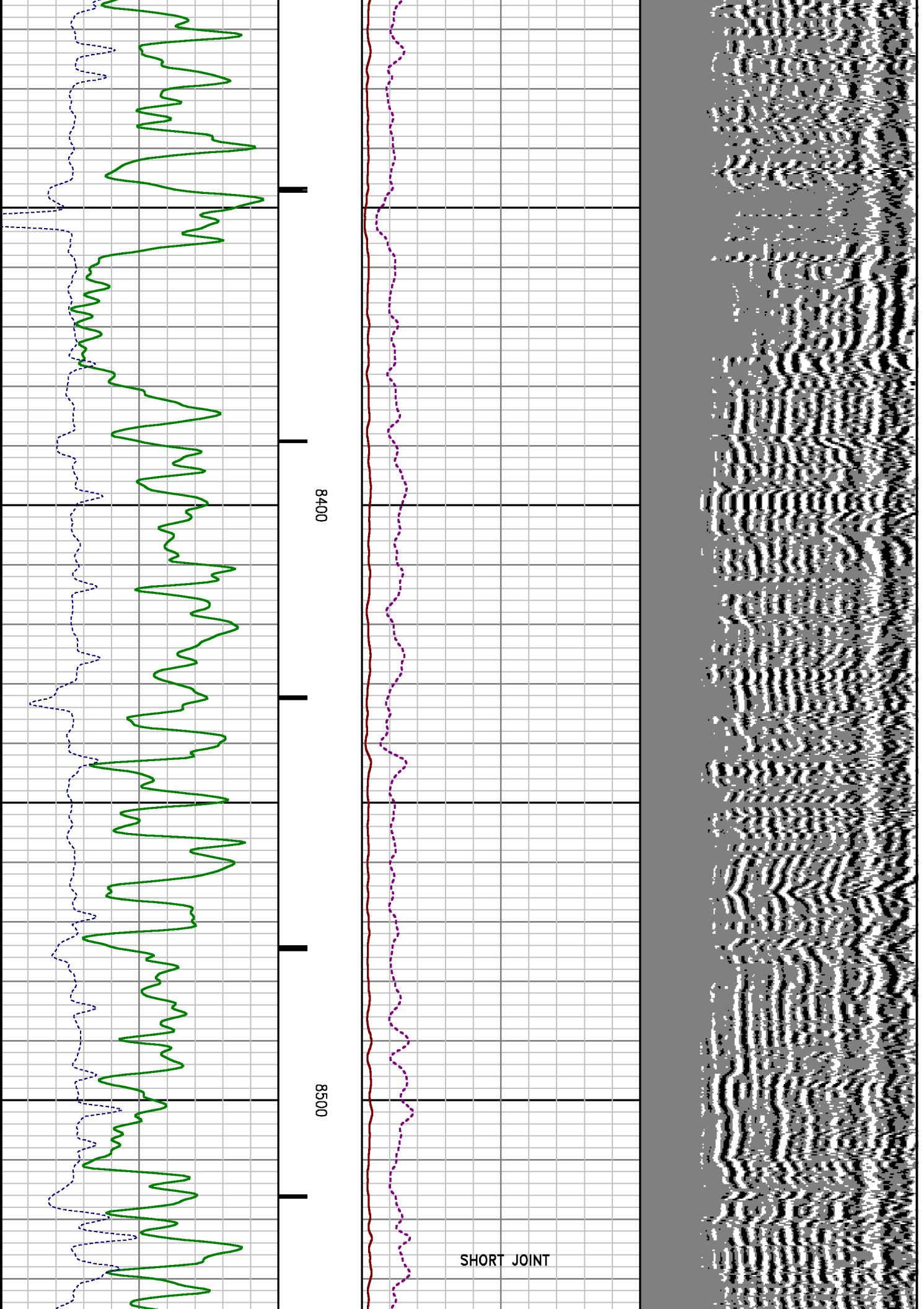


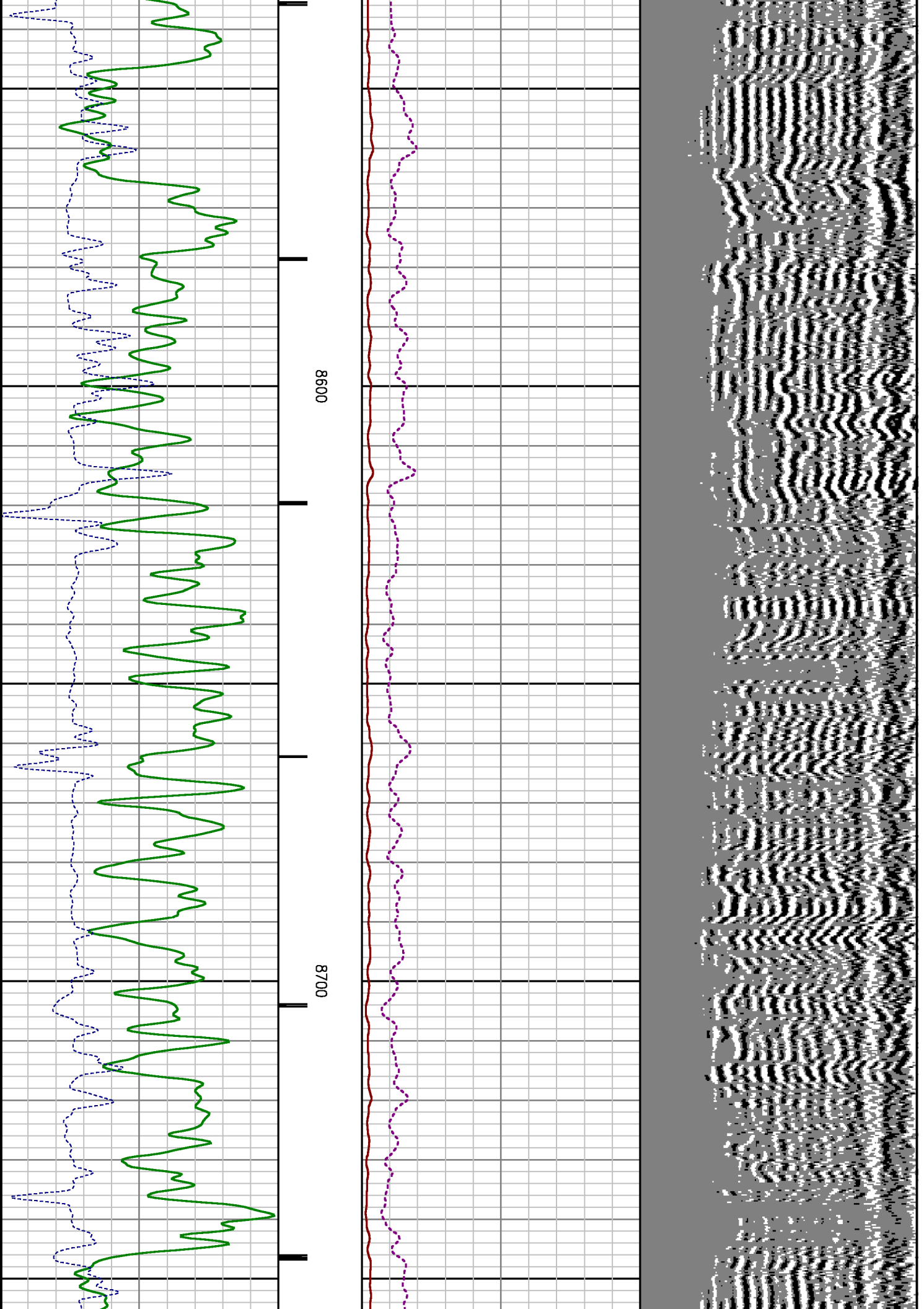


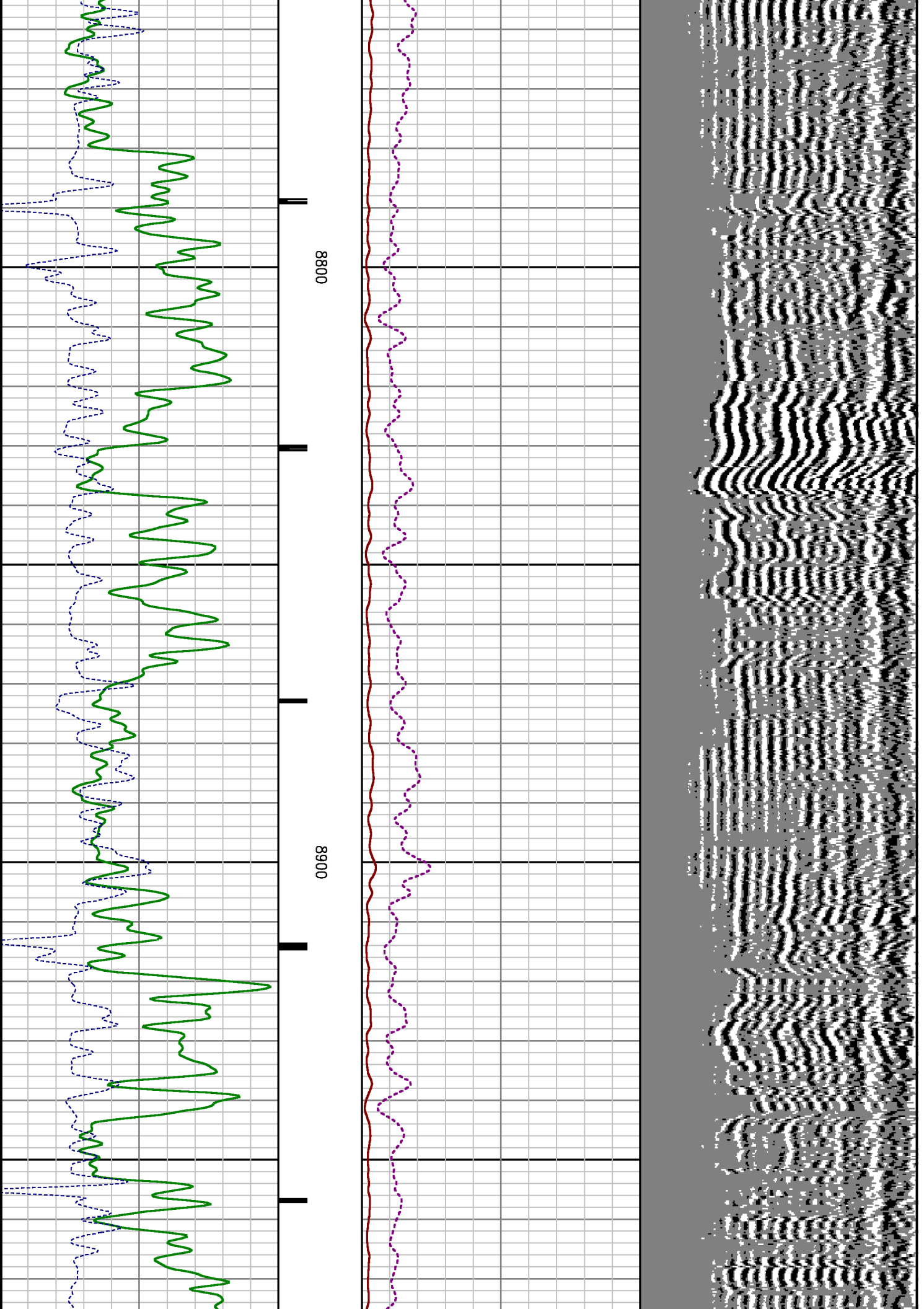


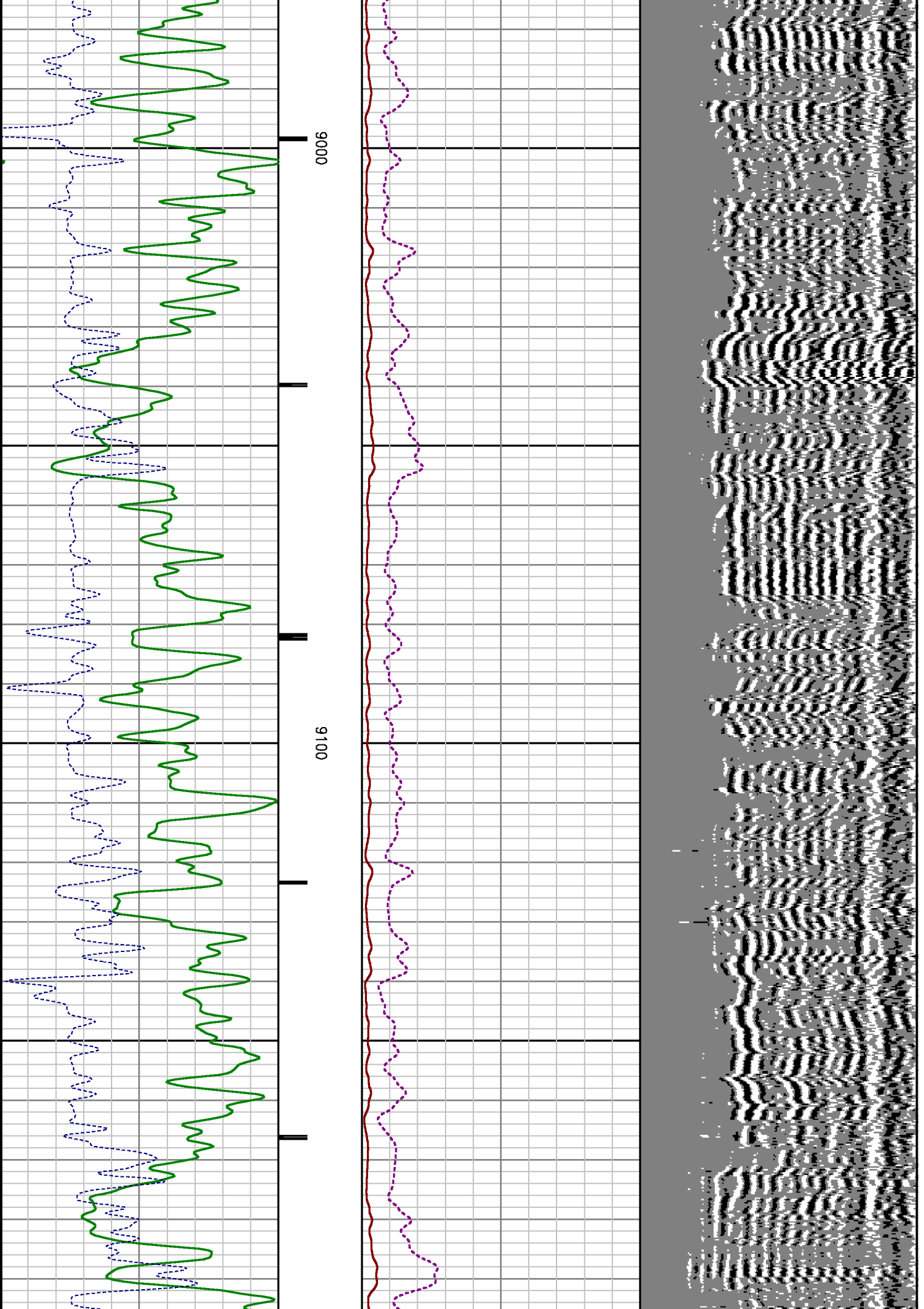


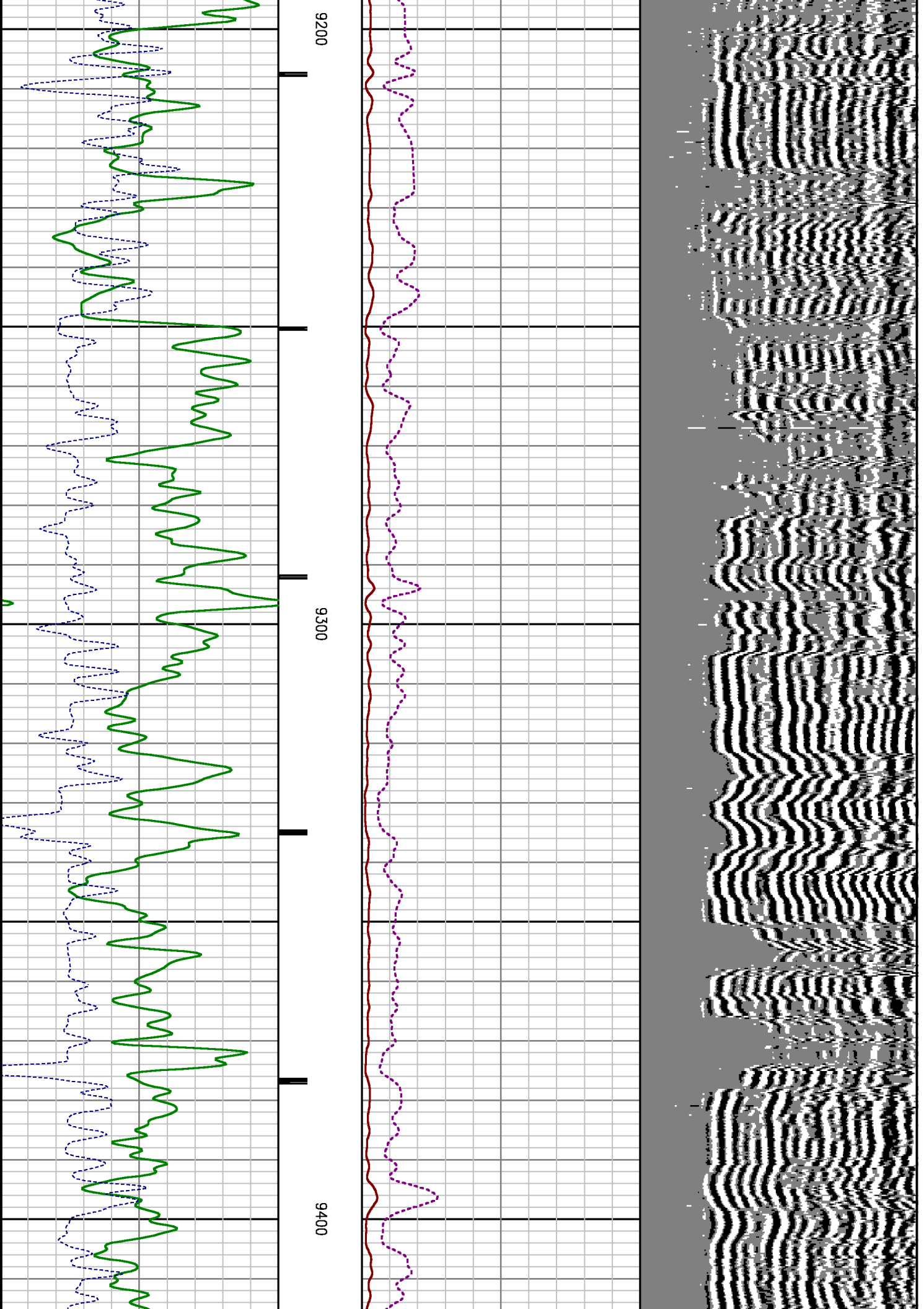


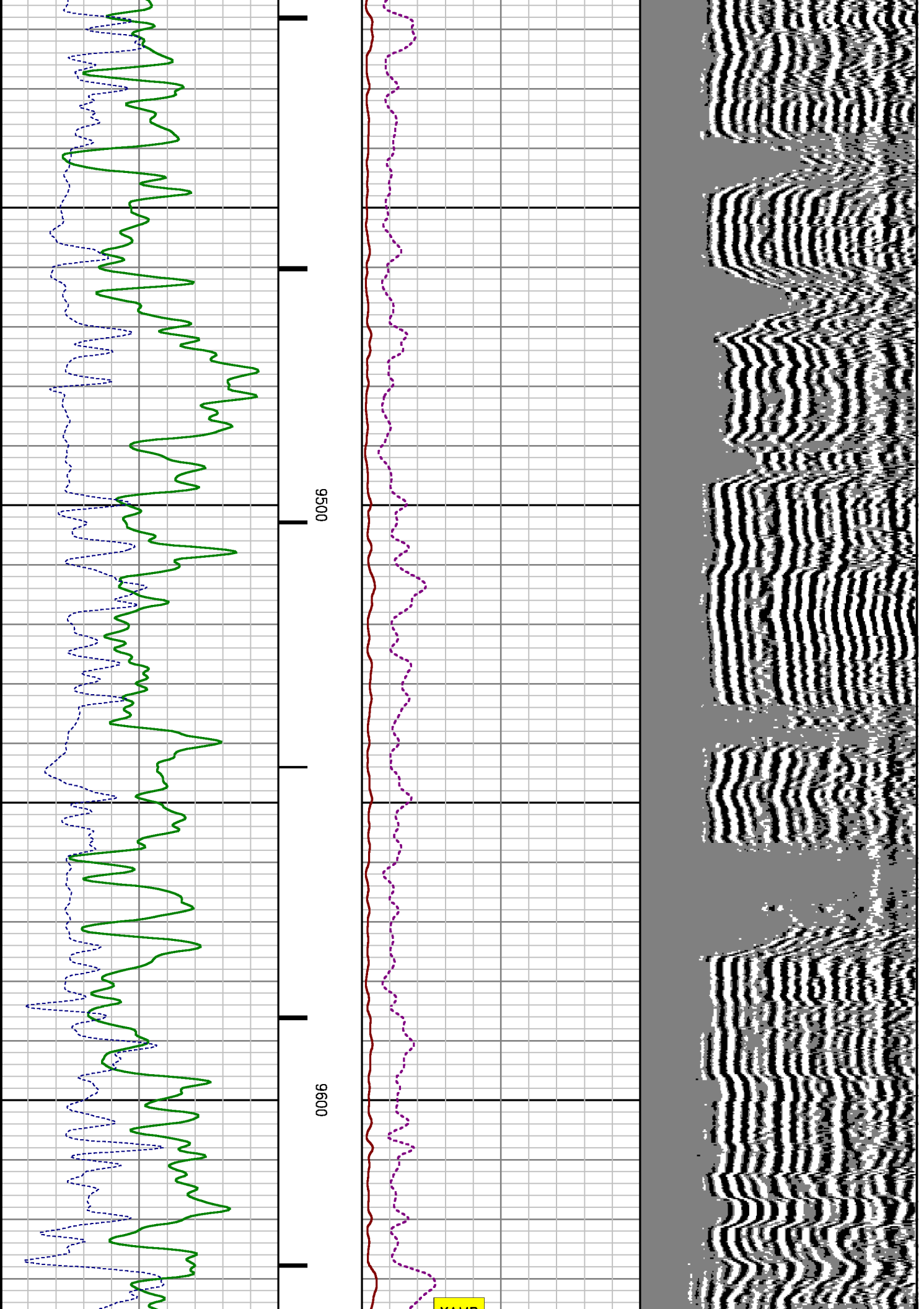


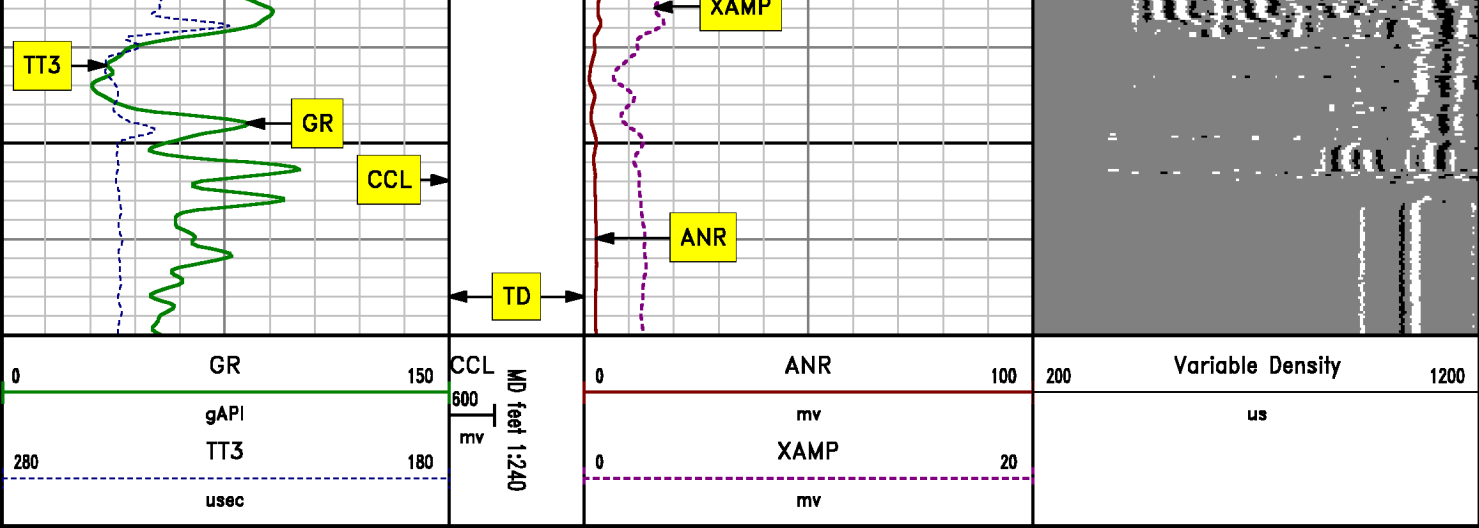












*MAIN SECTION
SECONDARY PRESENTATION
WITH 1000 PSI*

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	316.900	usec	28.874	9691.000
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DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES							
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		AR5	AR6	AR7	AR8	CHV	FPR2		
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3		
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Created by : MIXED

Plotted by : PlotMgr, v5.4.504

Company : MARATHON OIL COMPANY

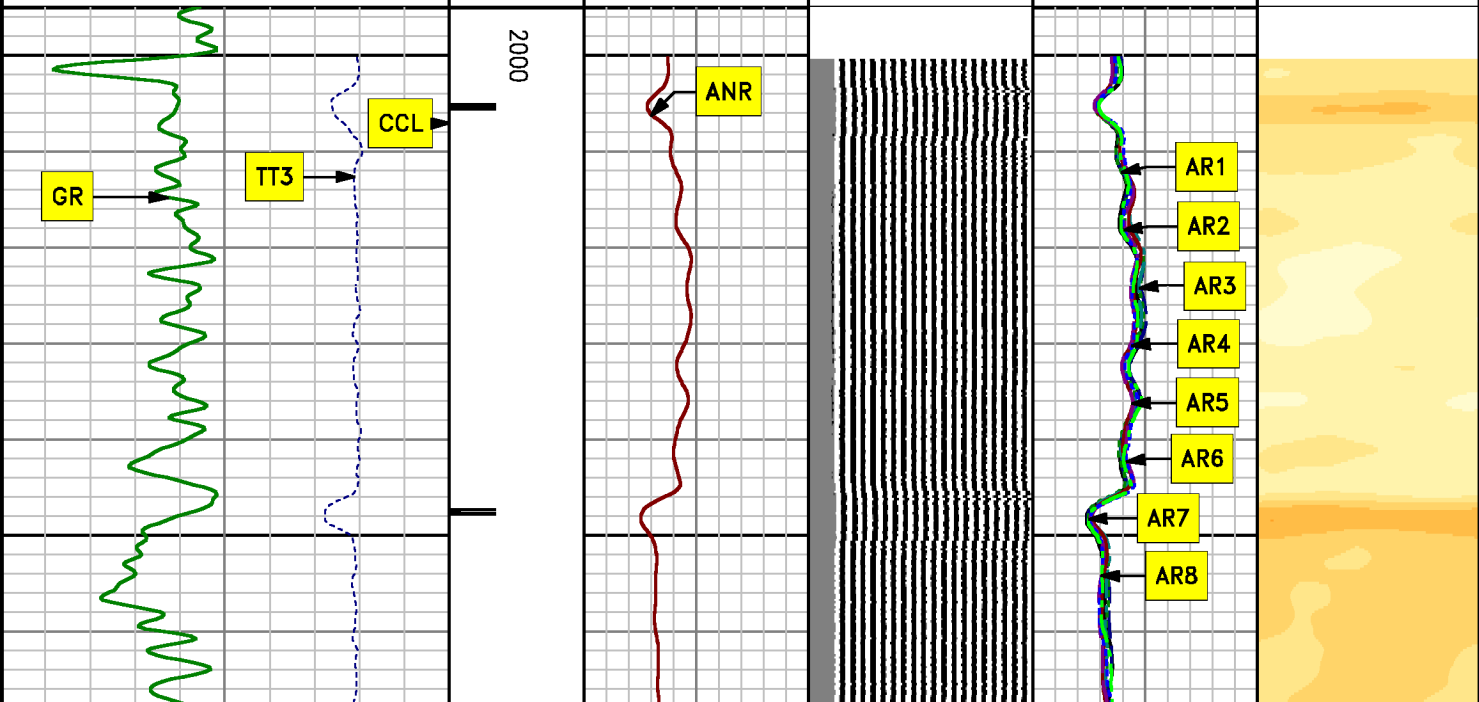
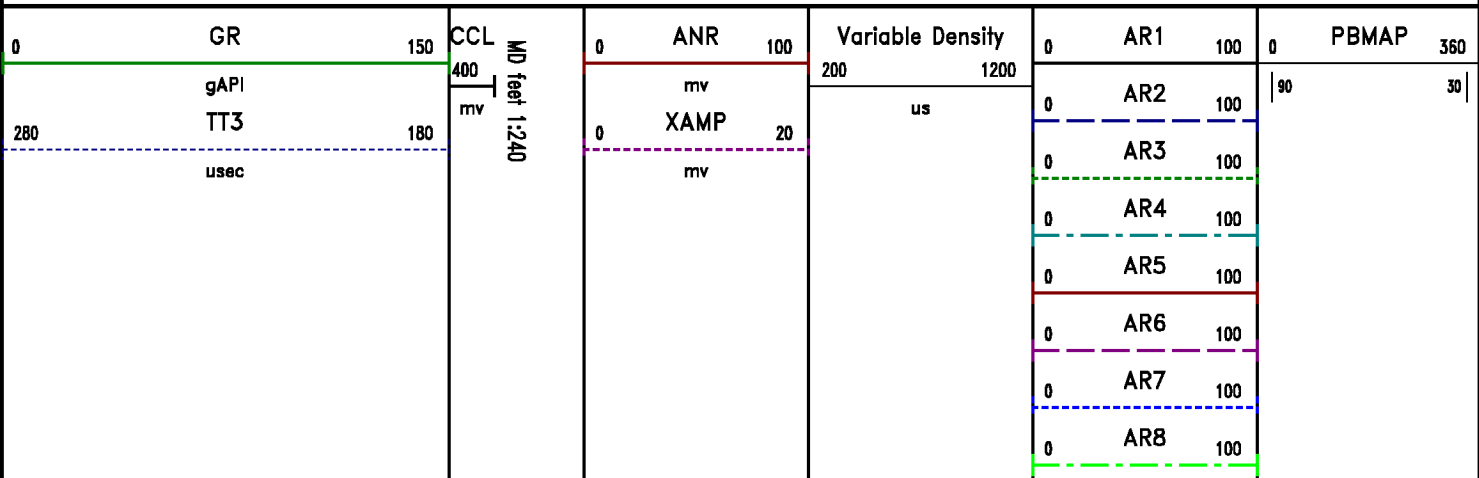
Well : 596-29C-25

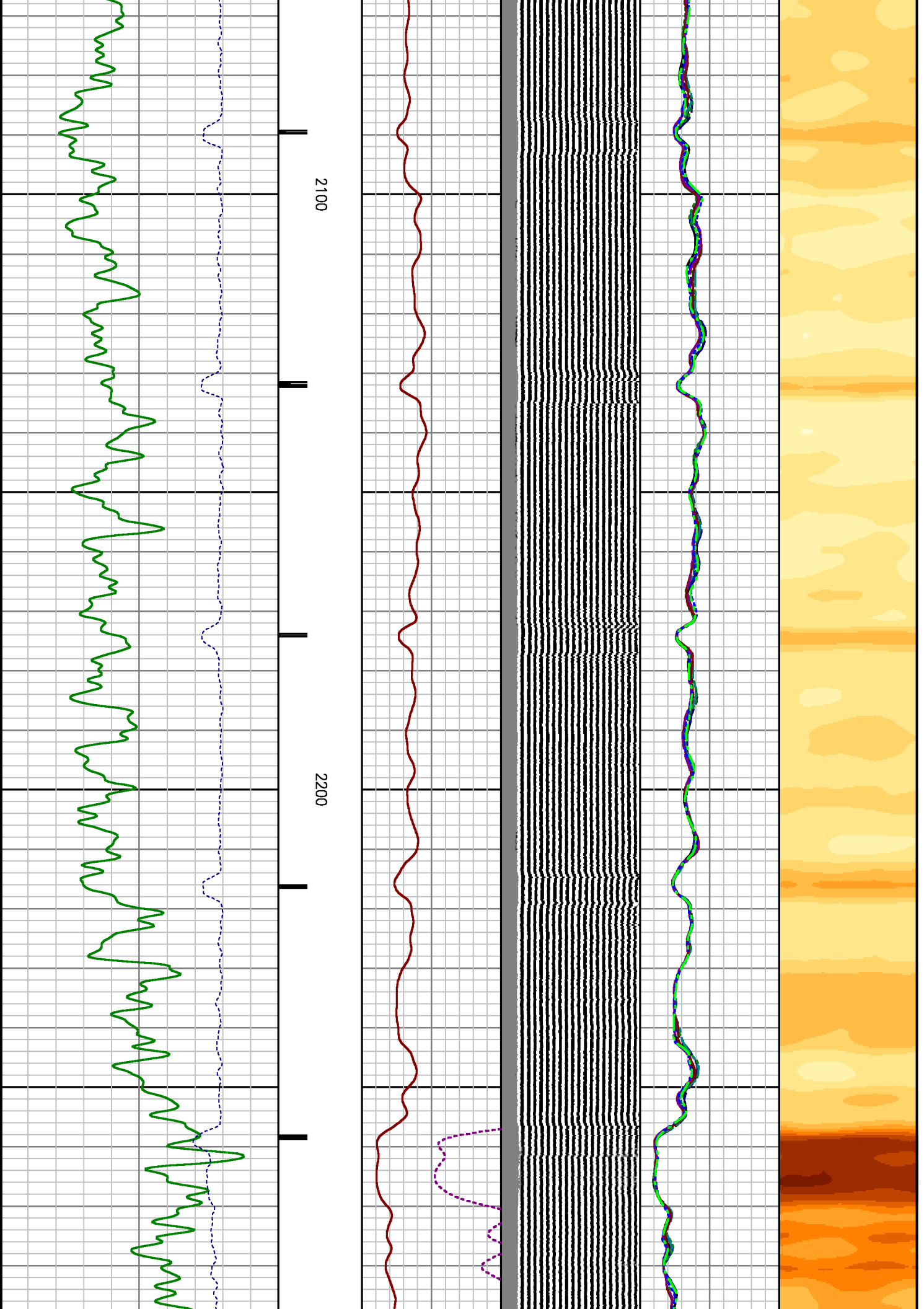
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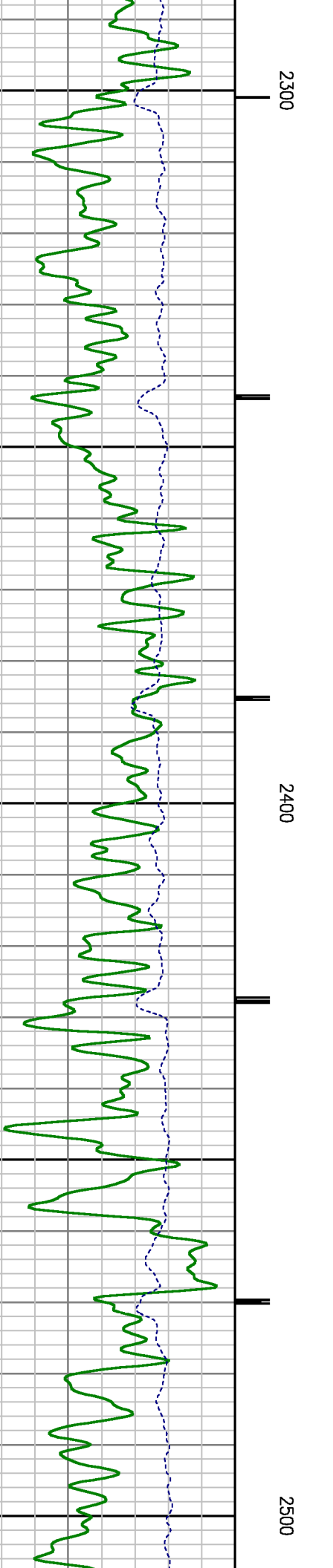
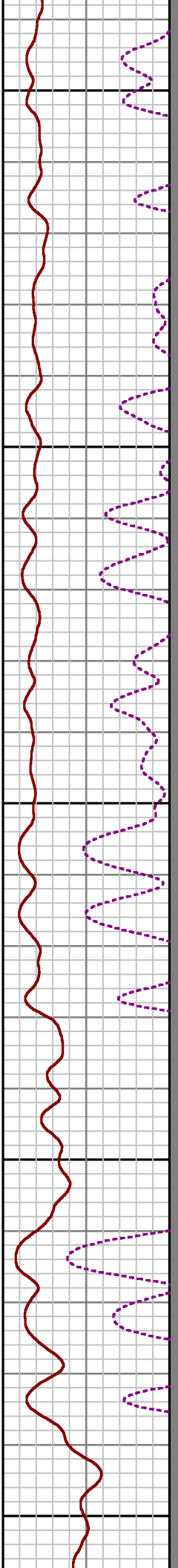
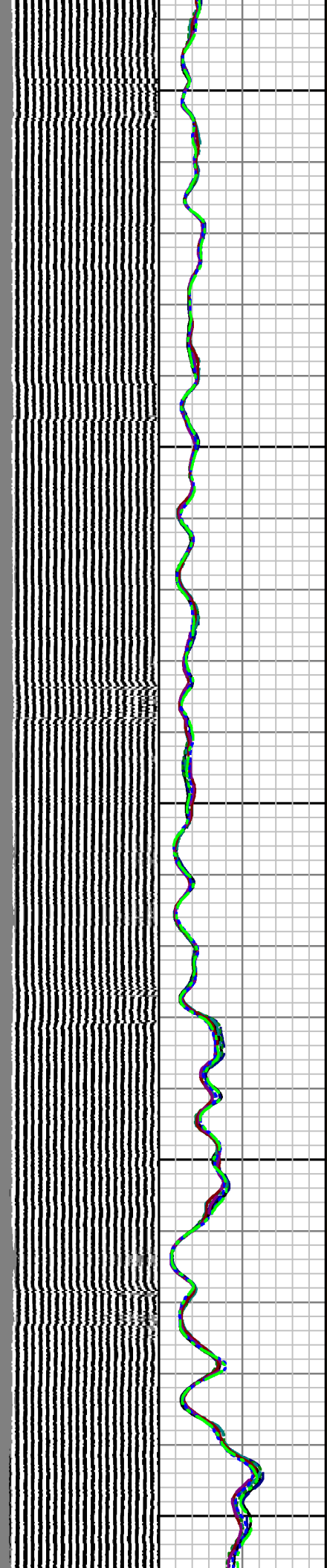
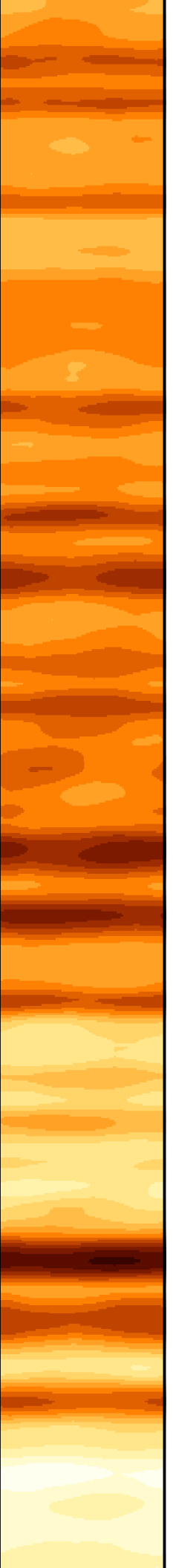
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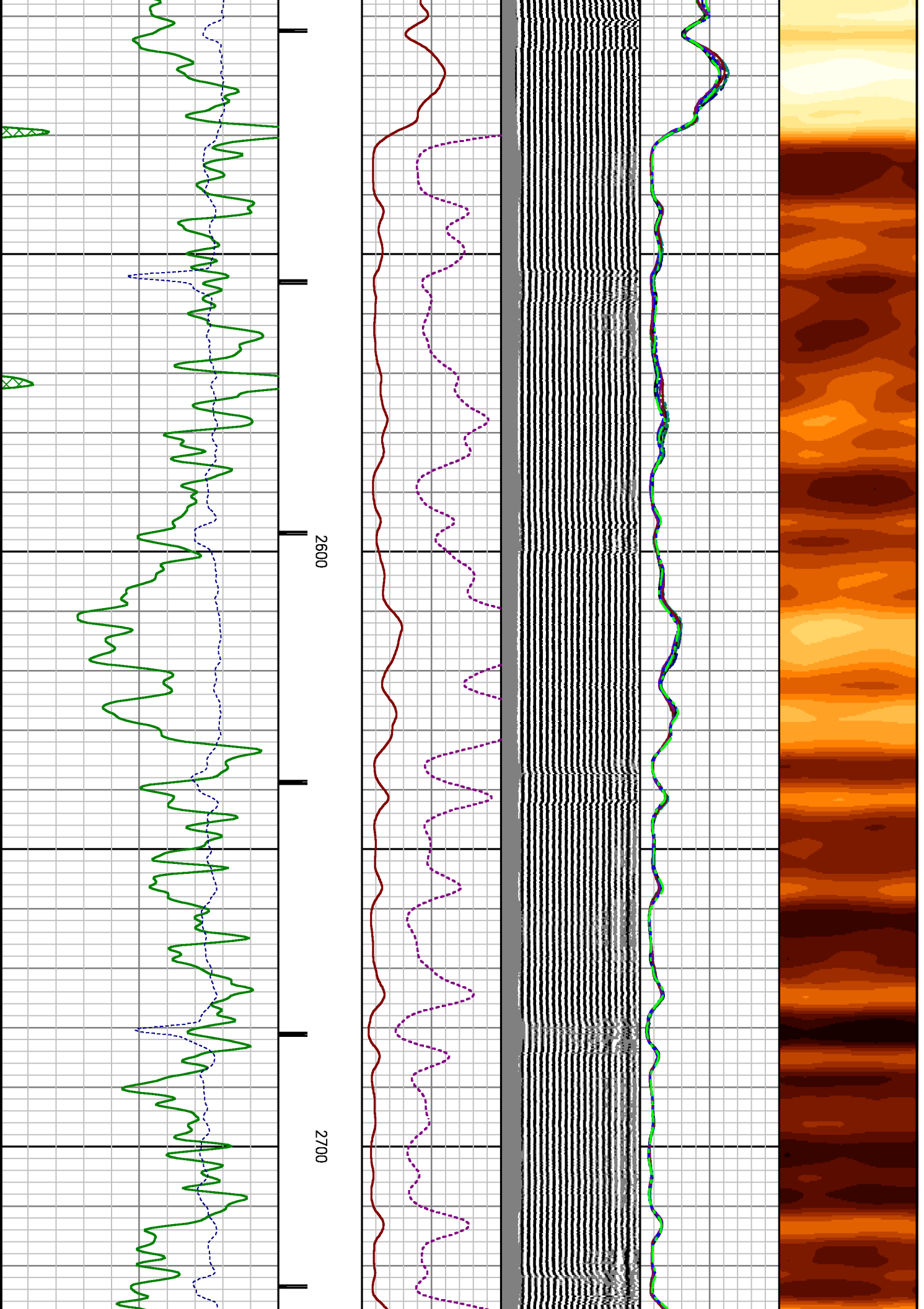
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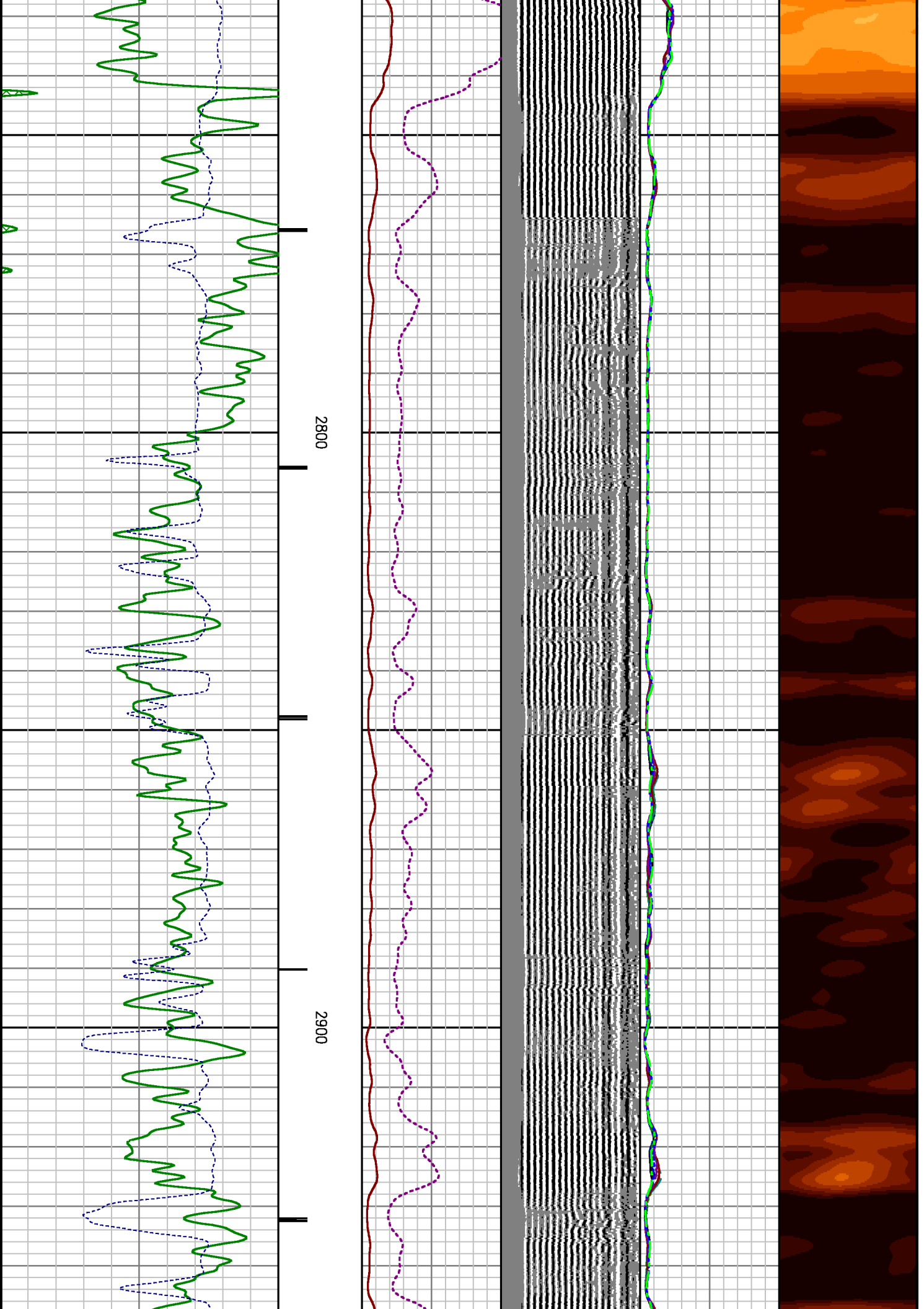
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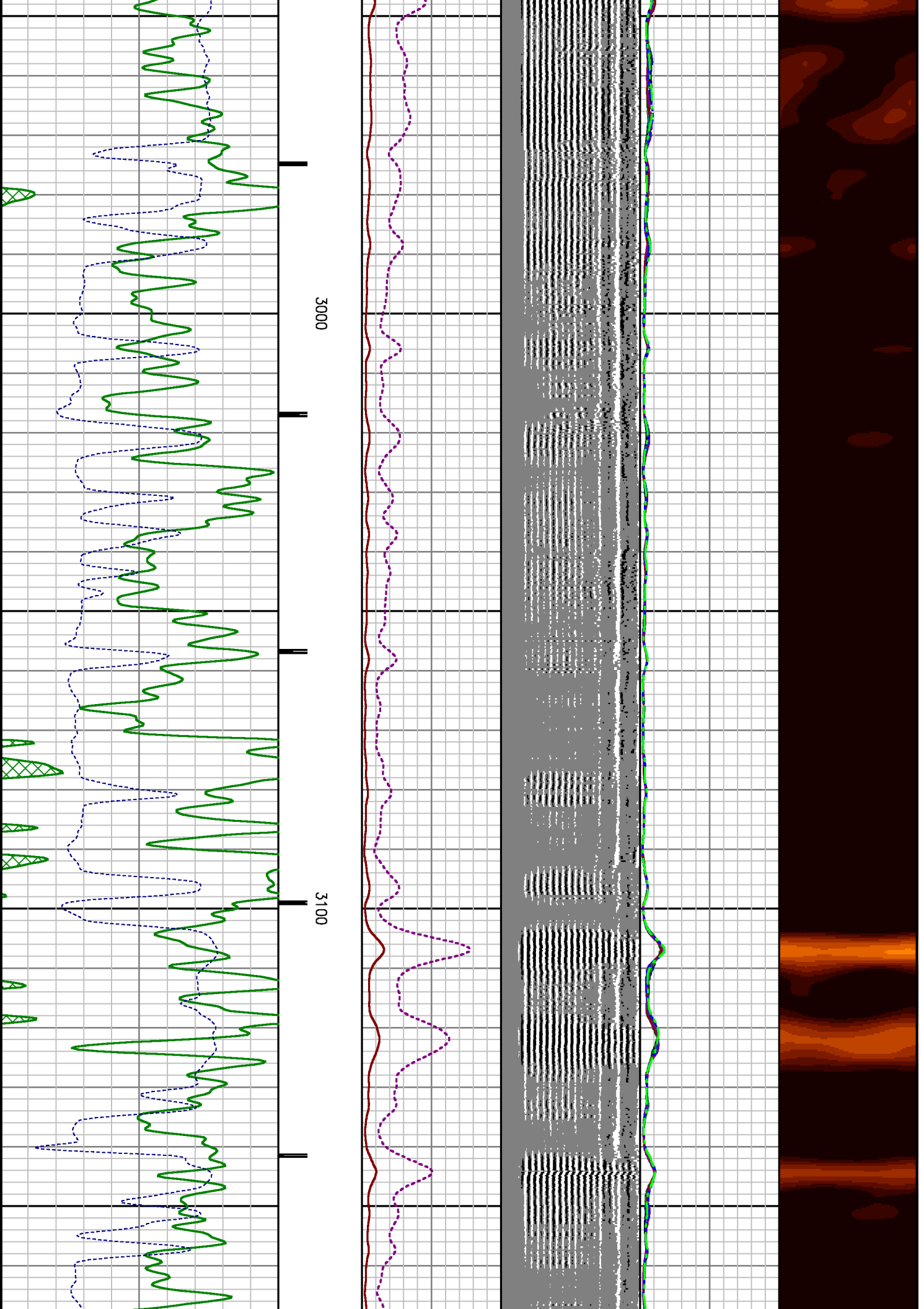


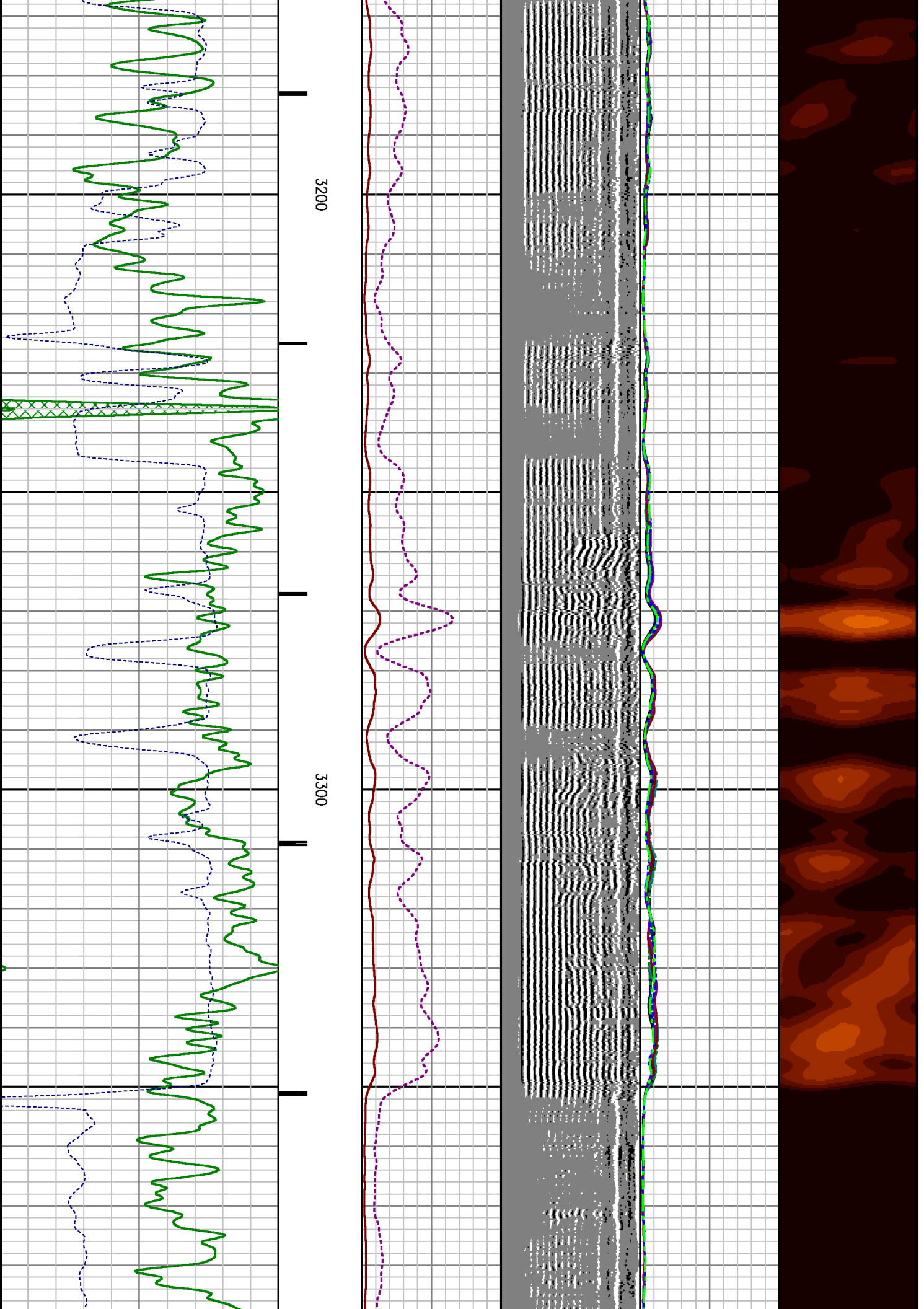


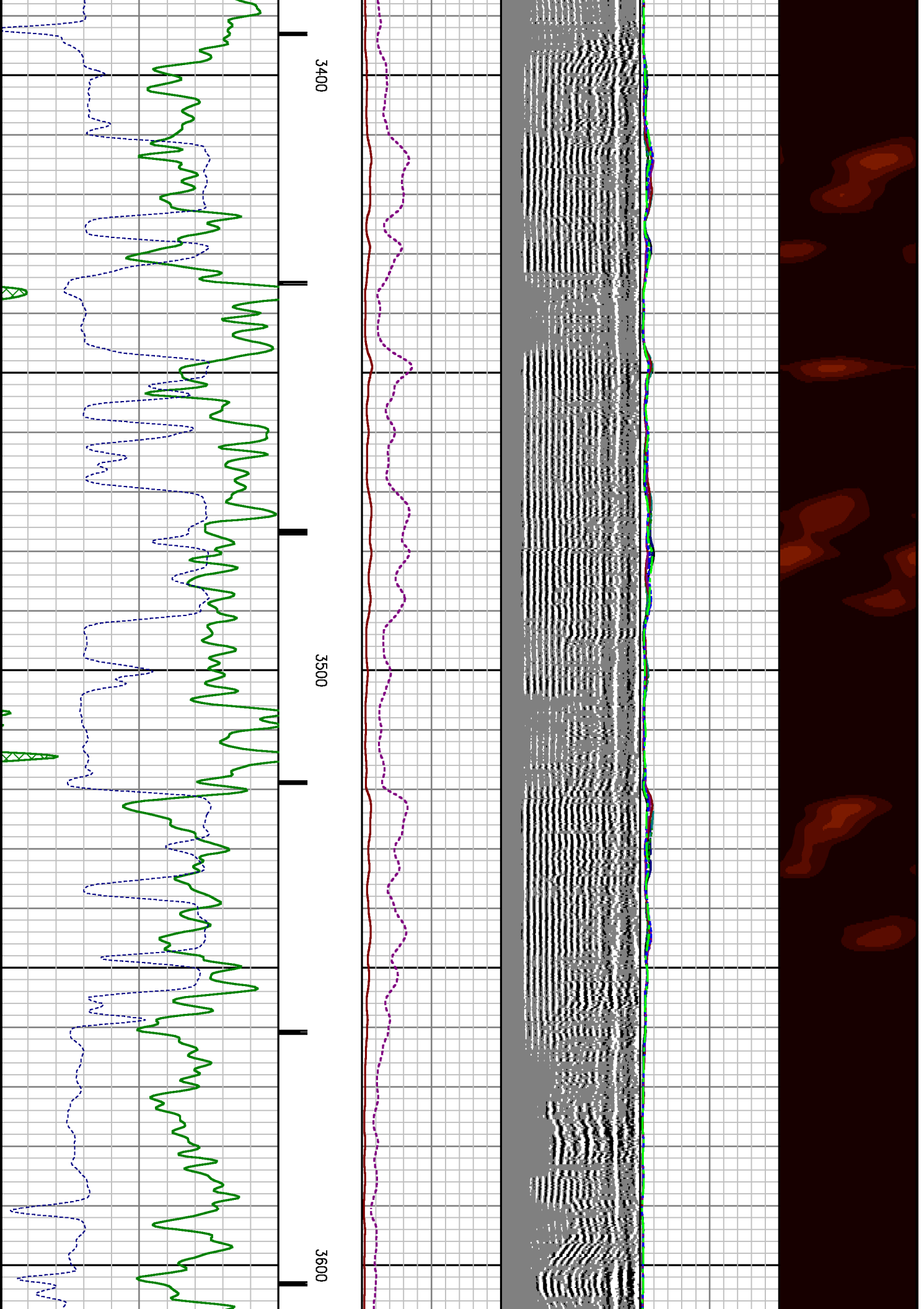


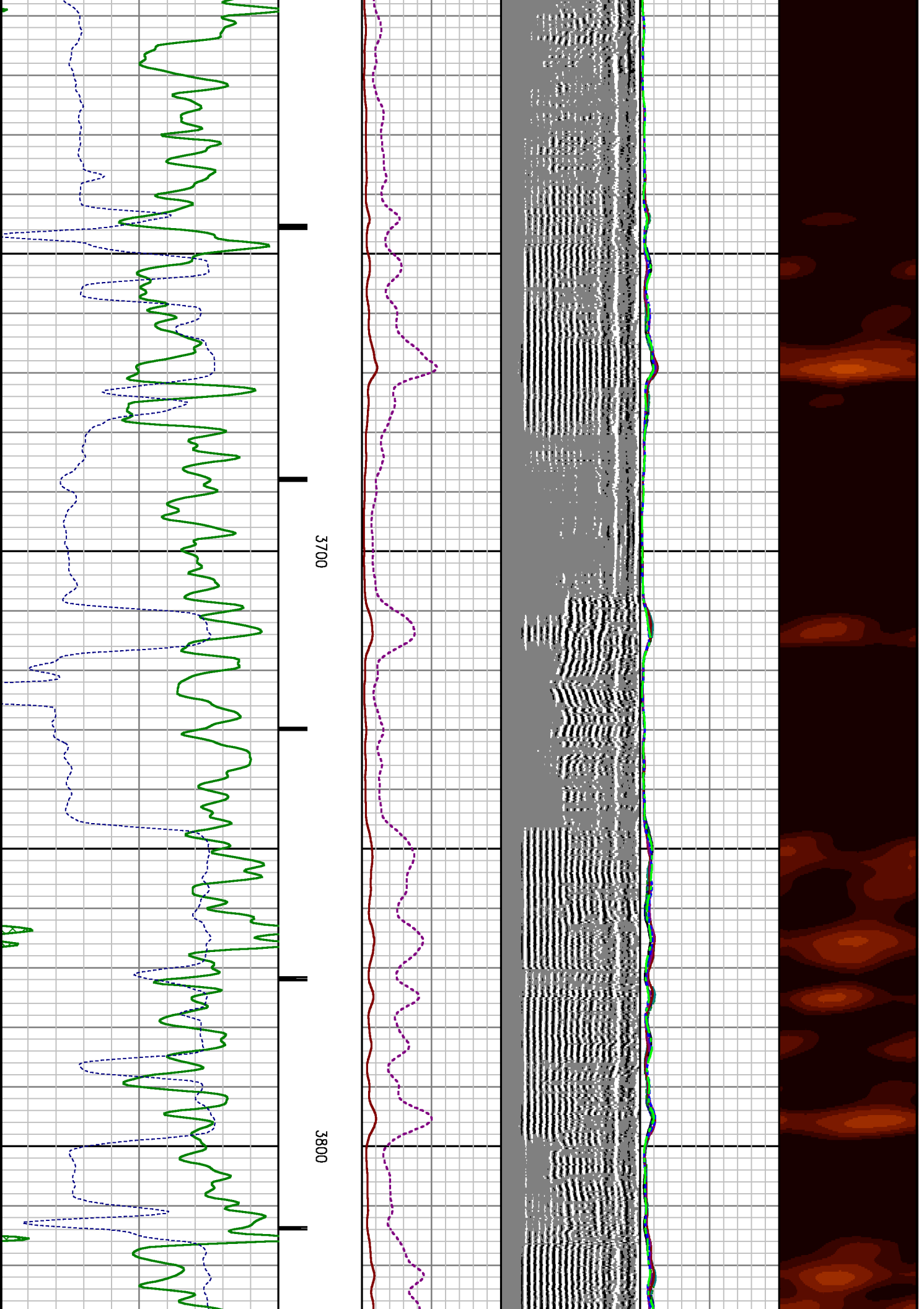


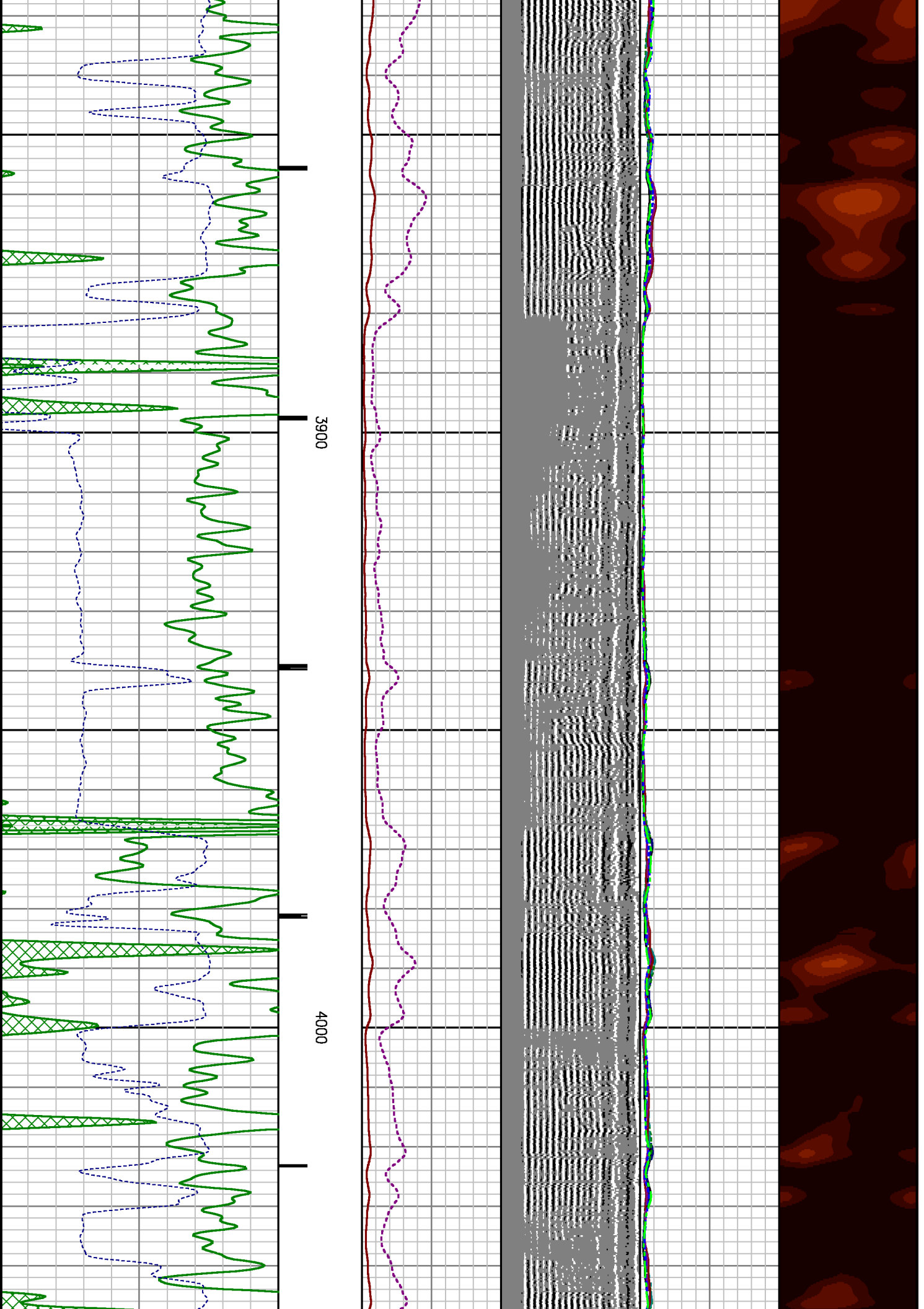


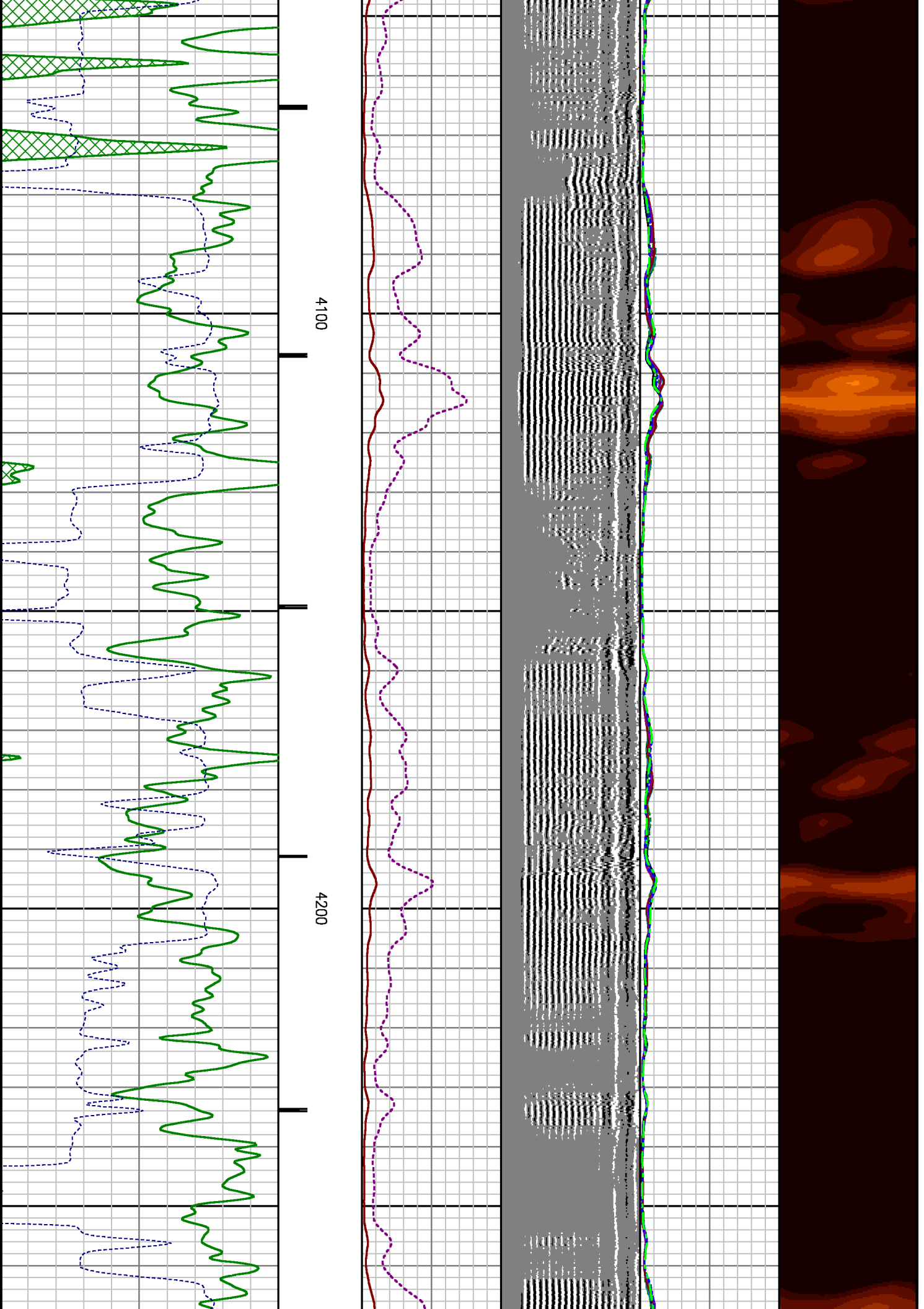


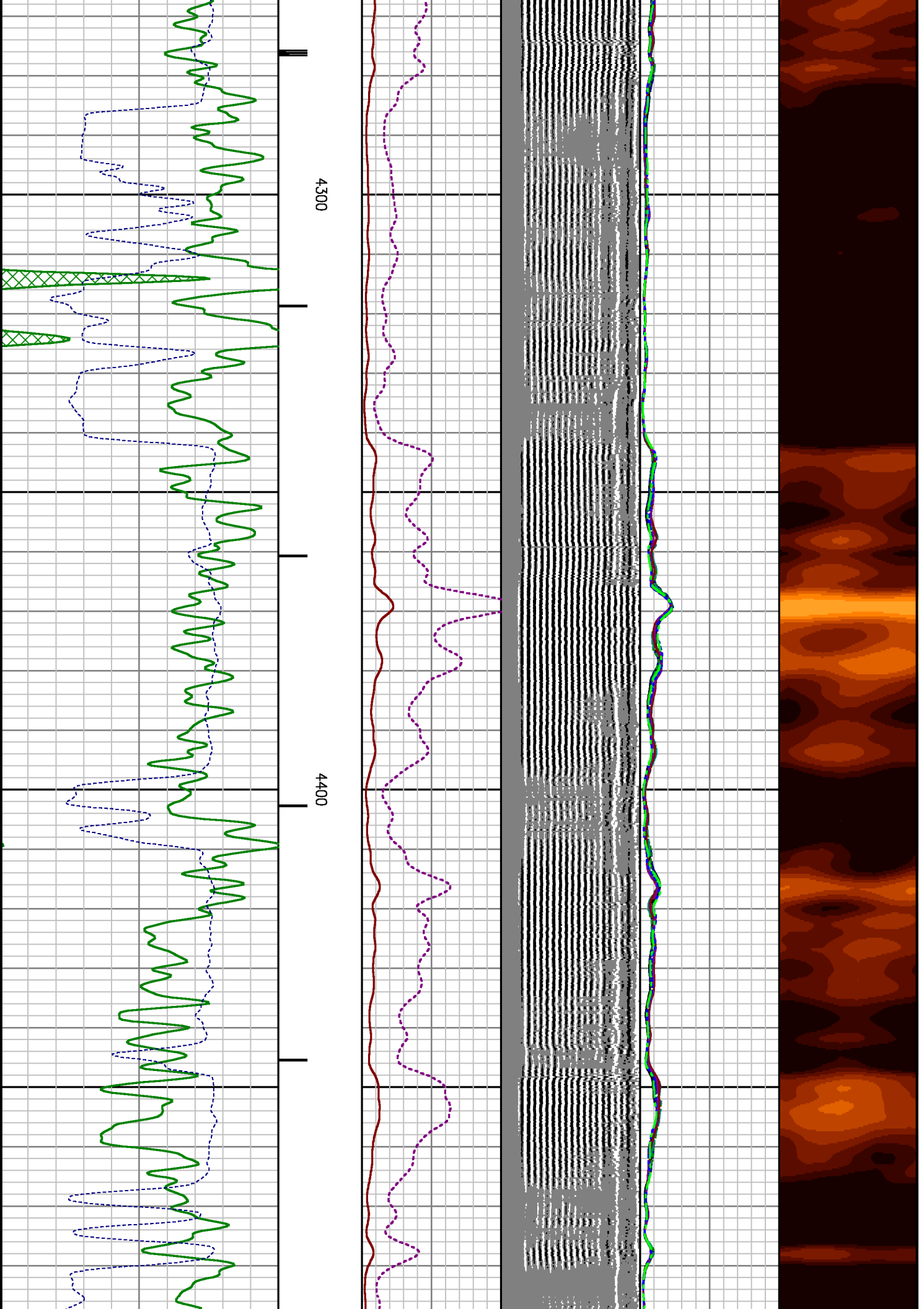


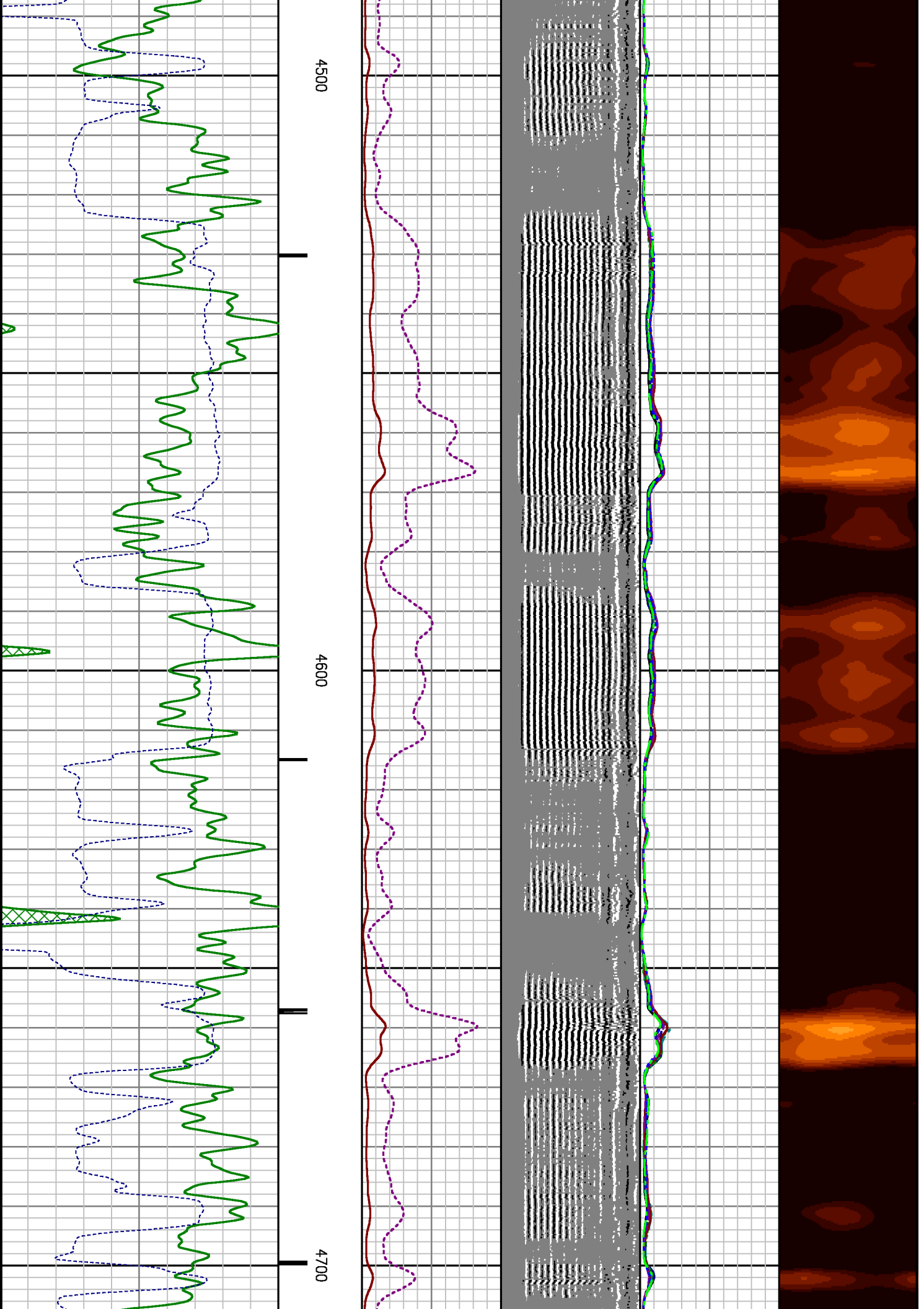


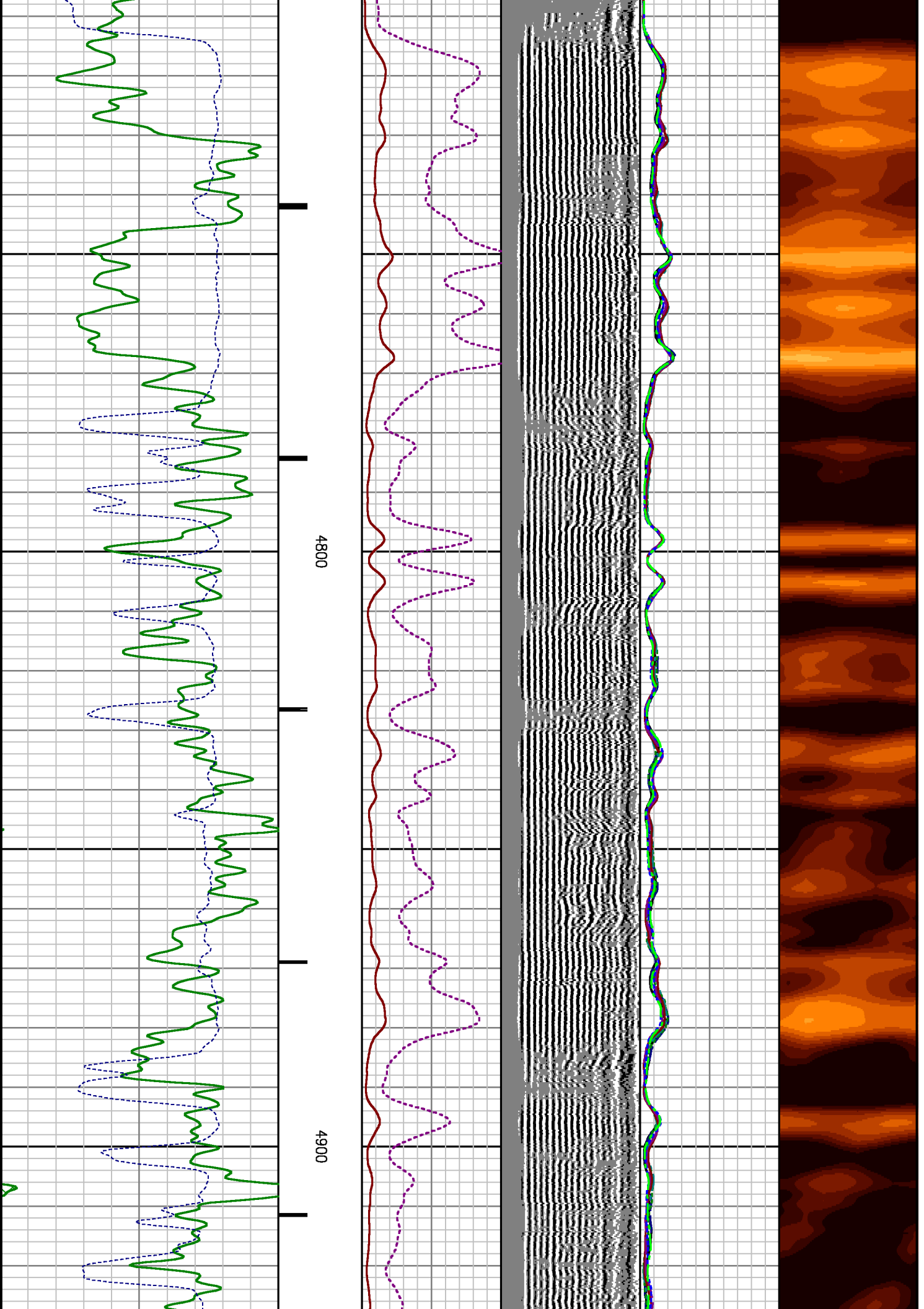


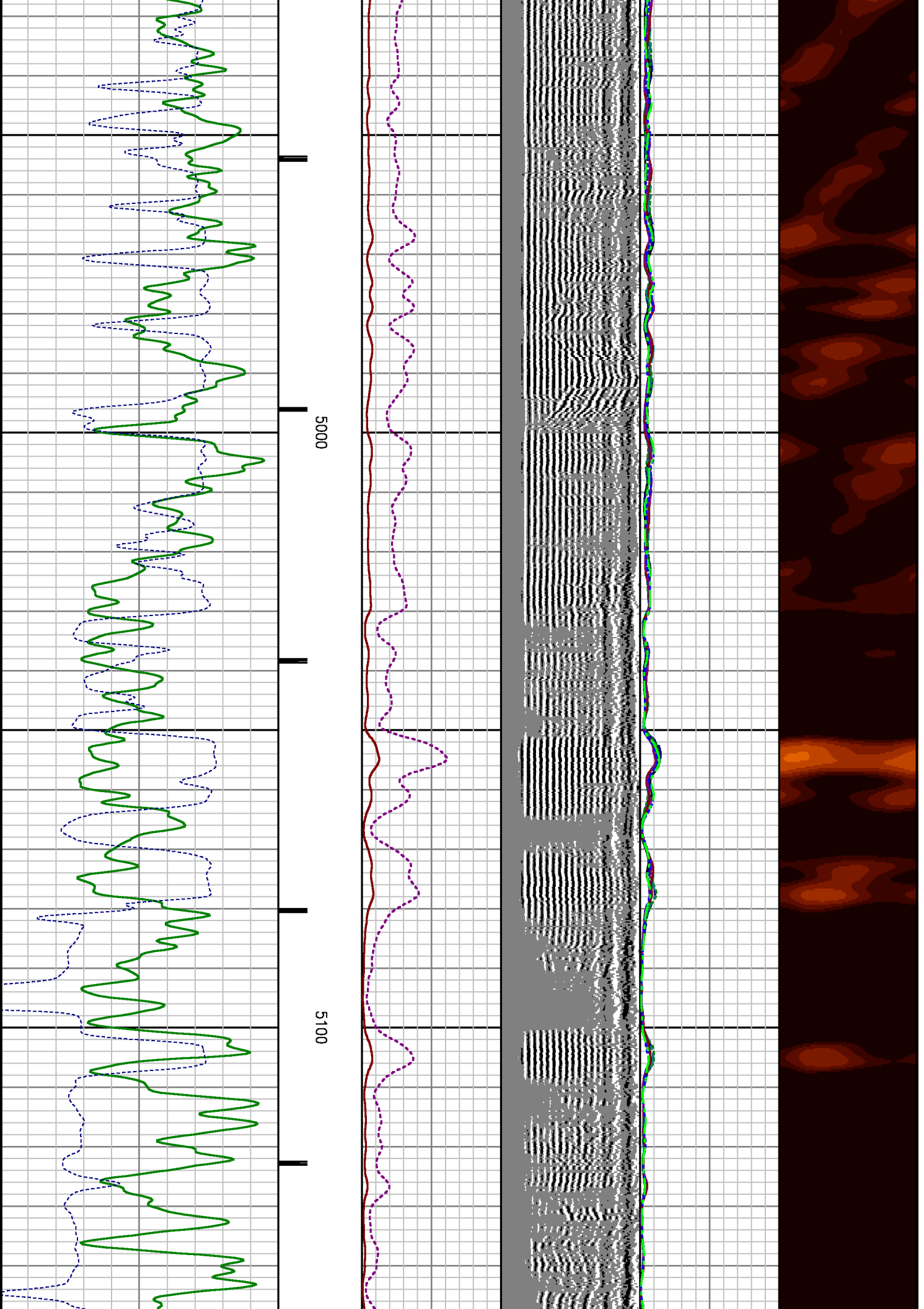


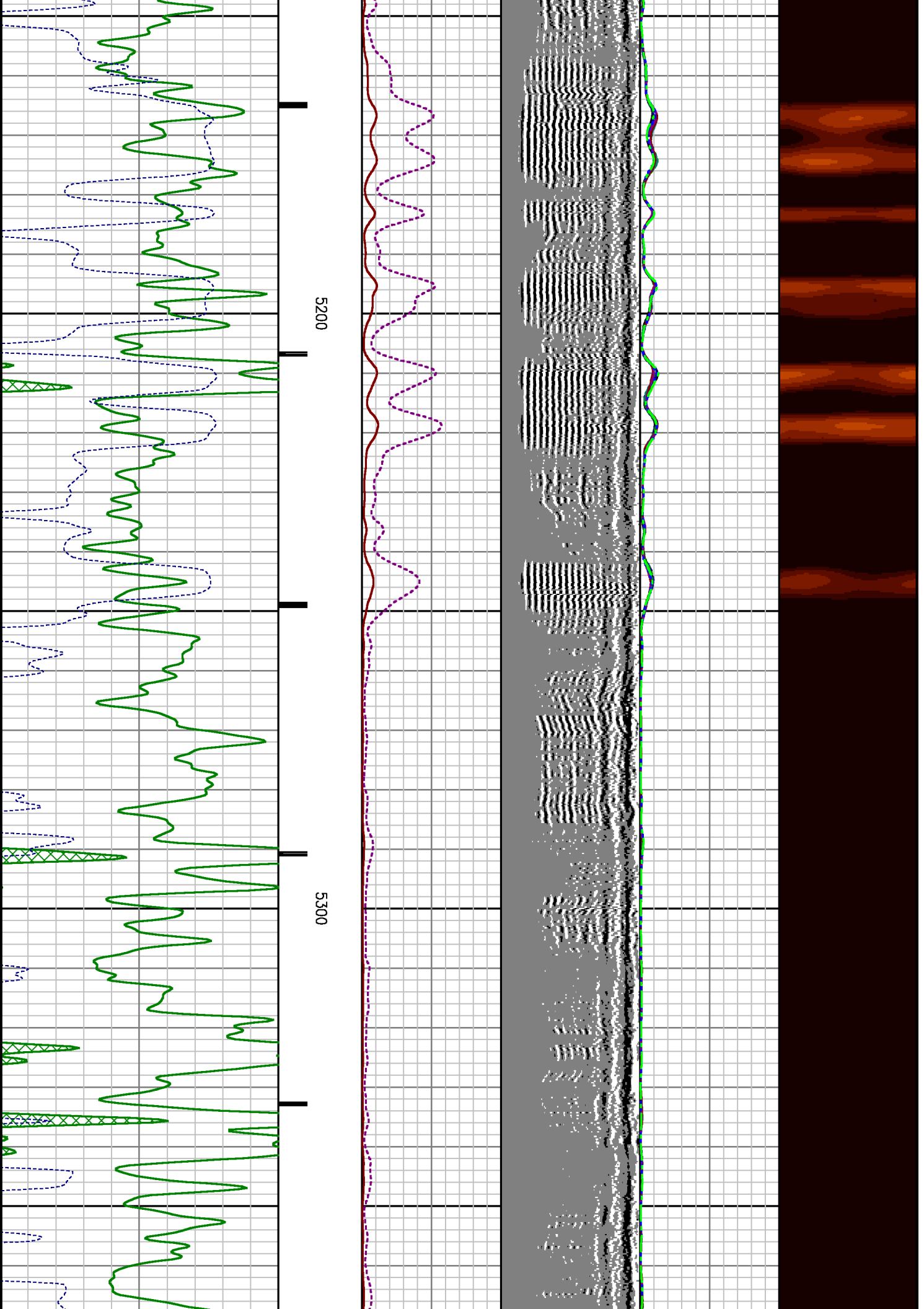


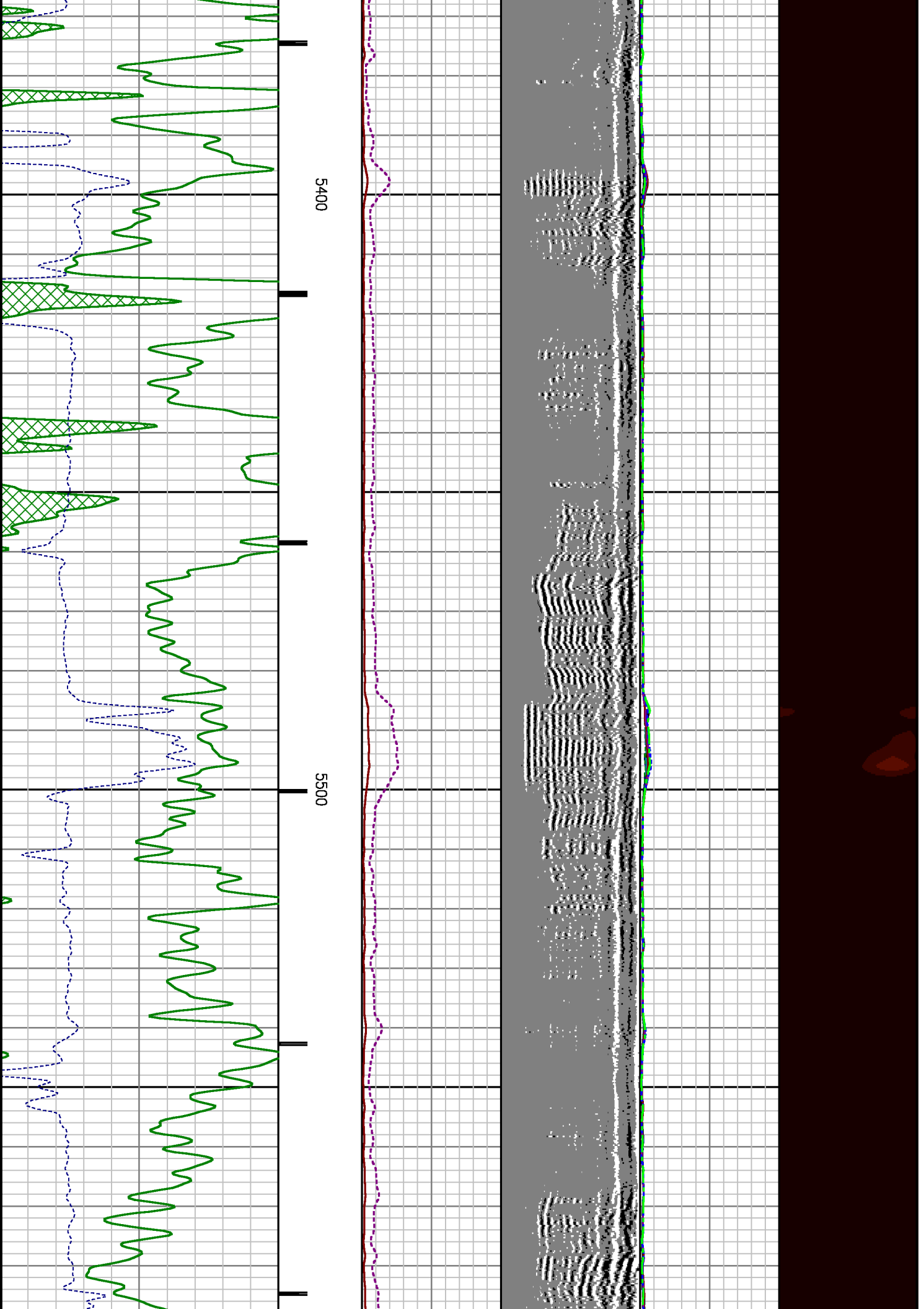


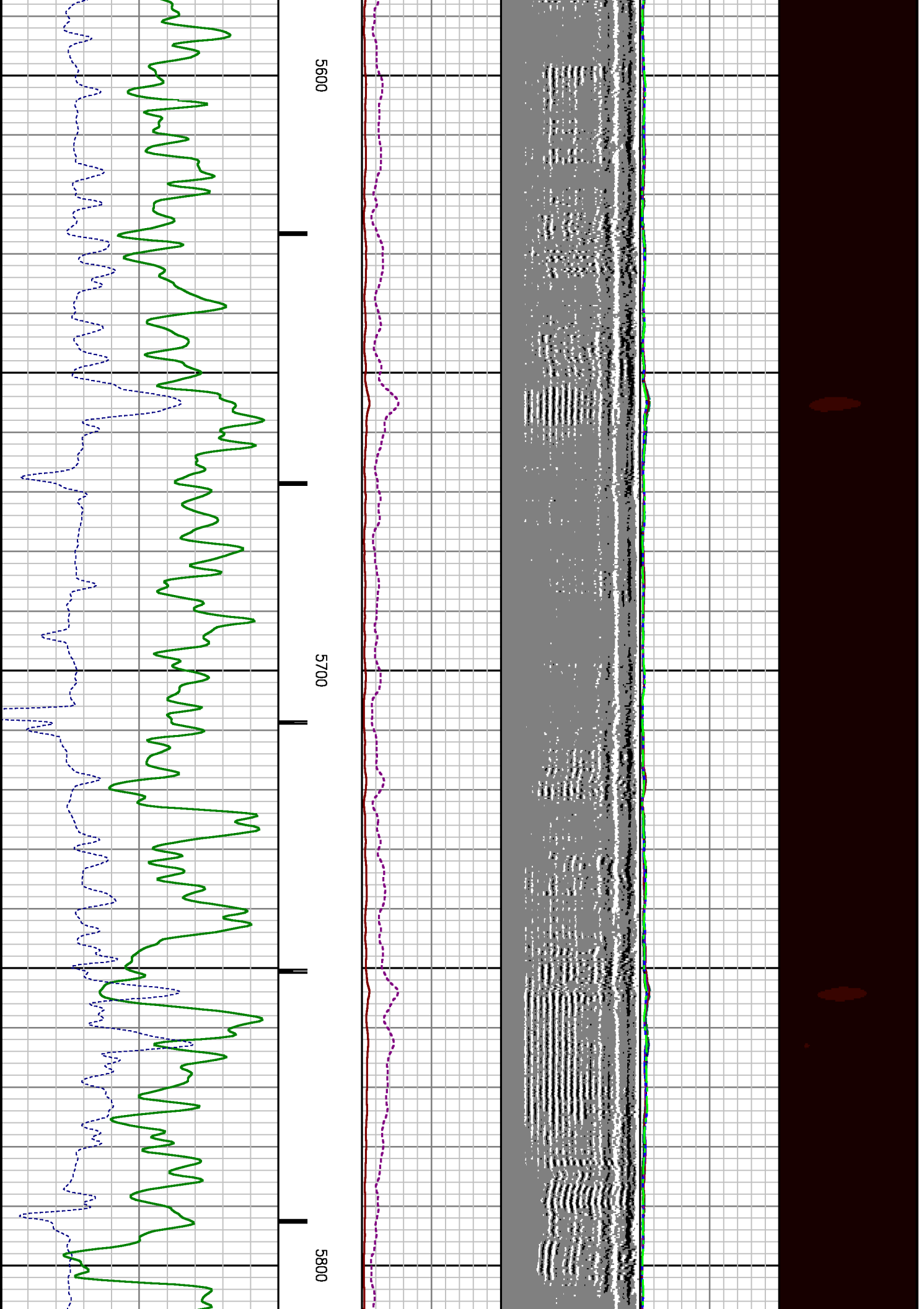


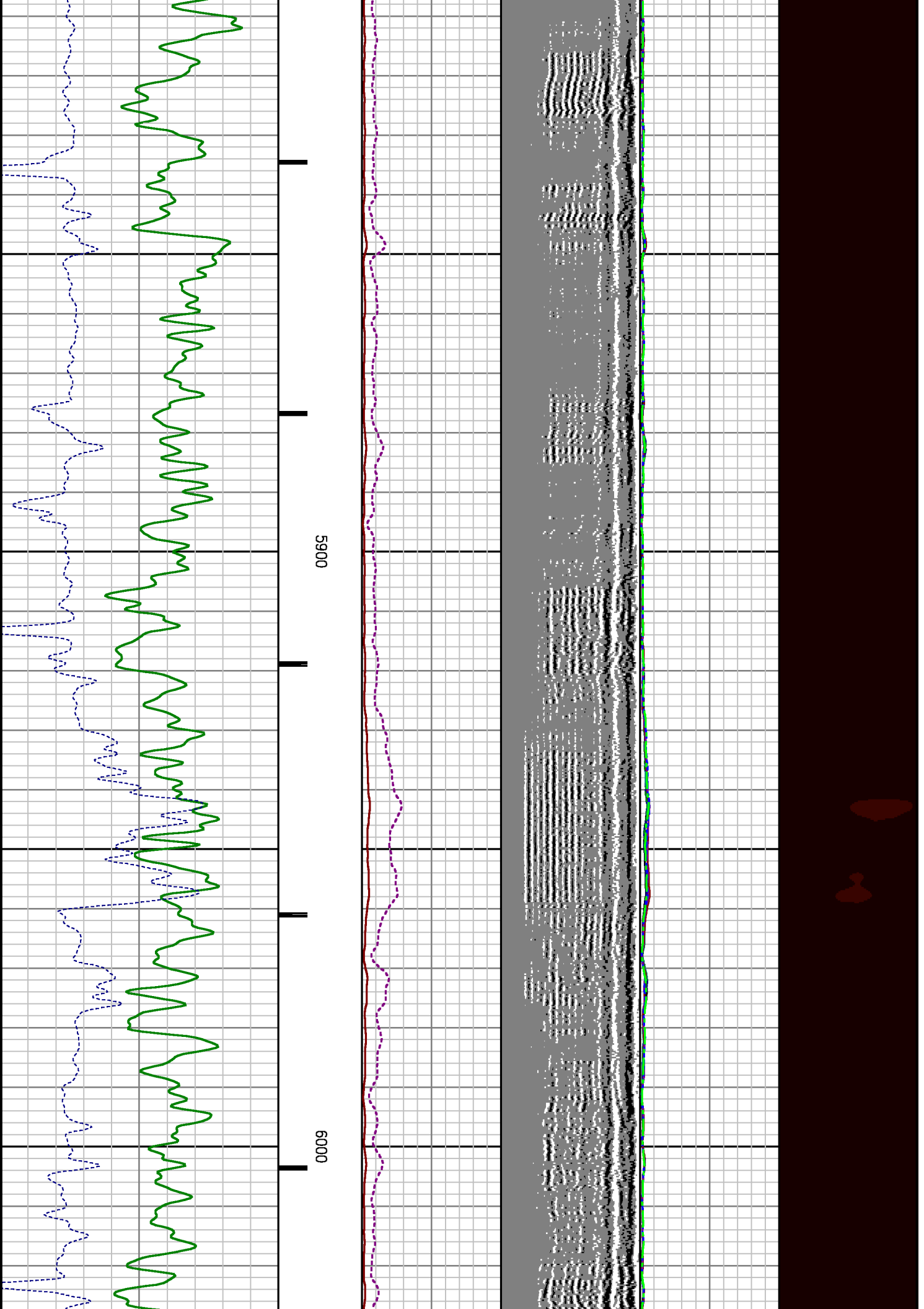


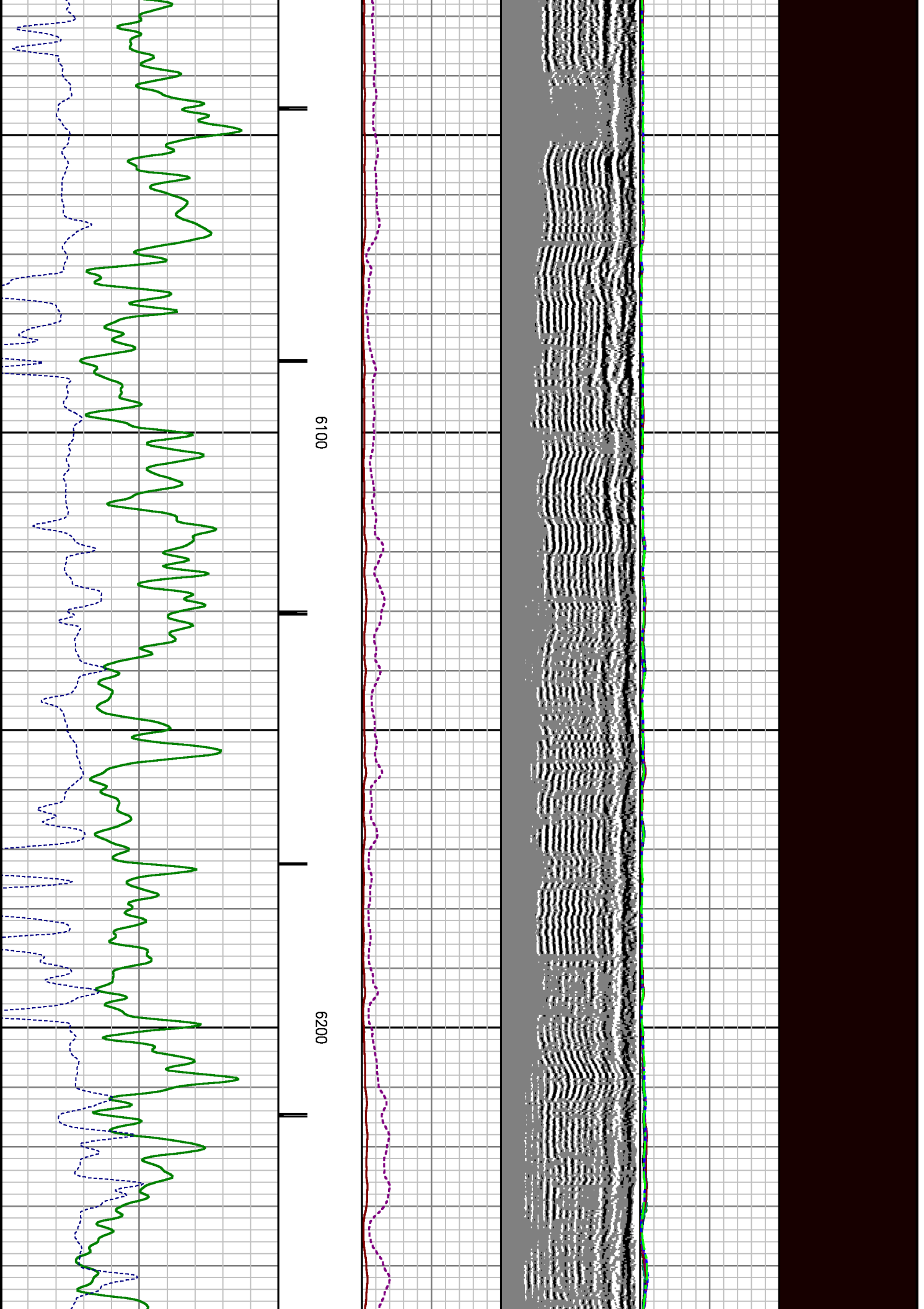


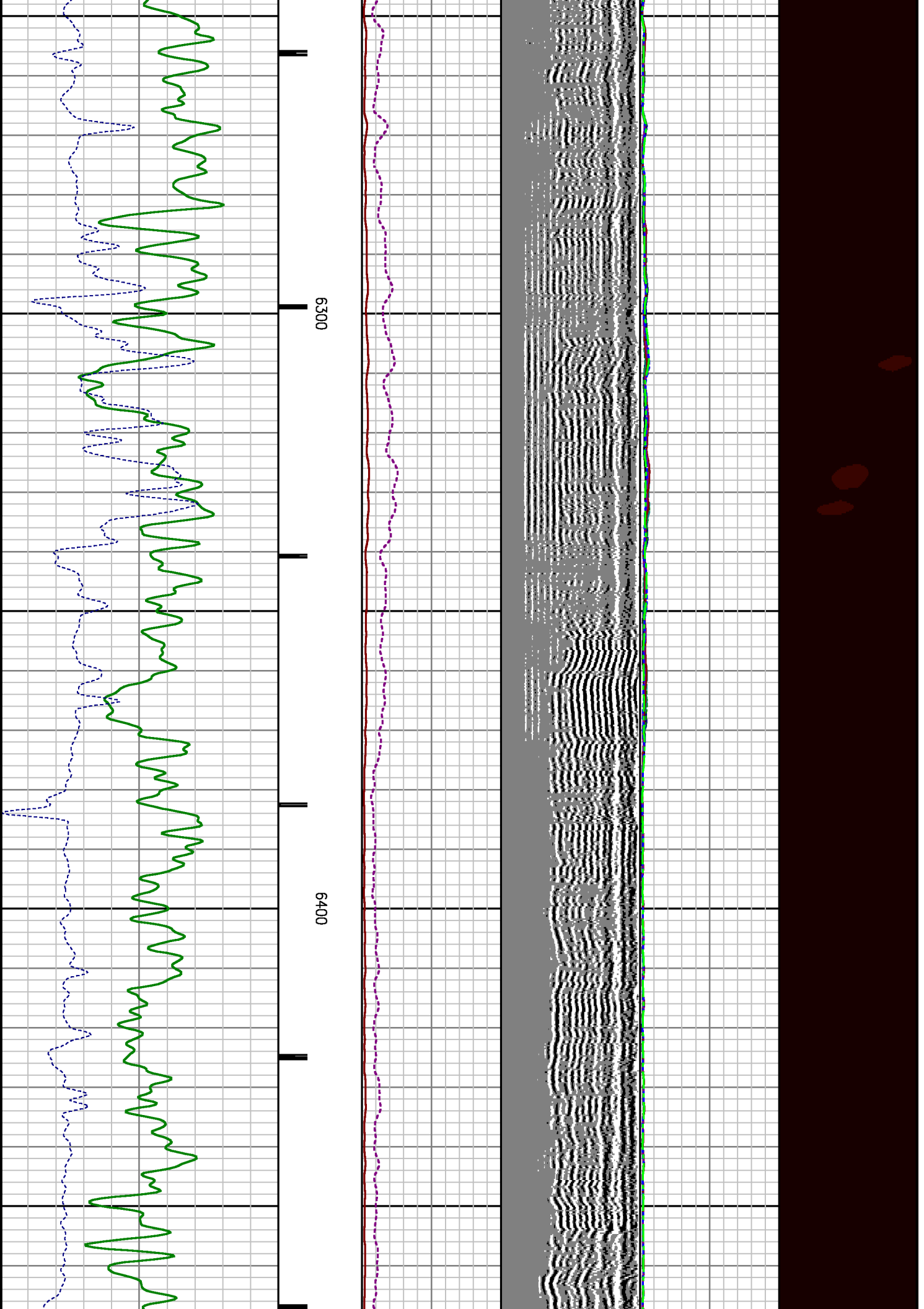


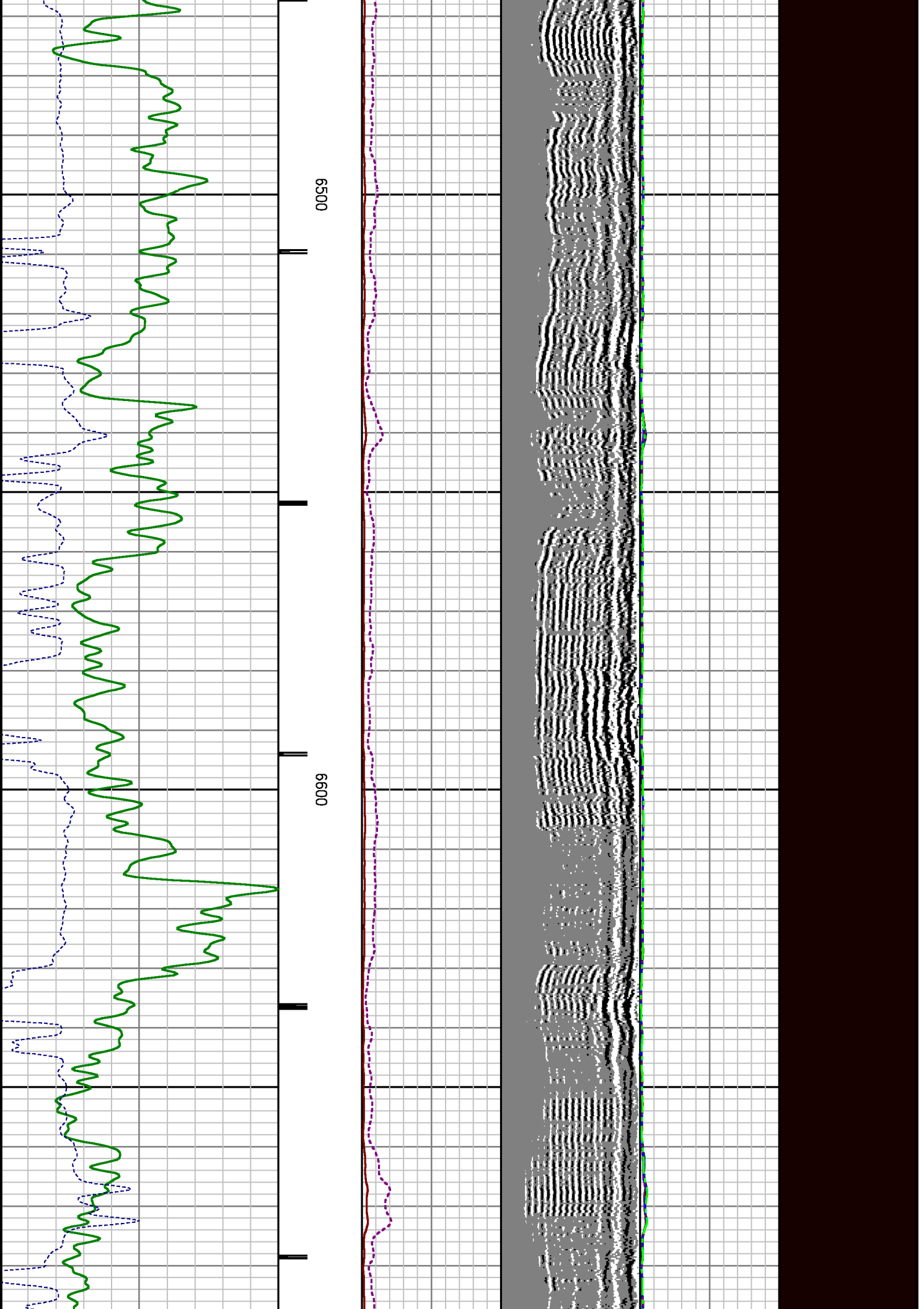


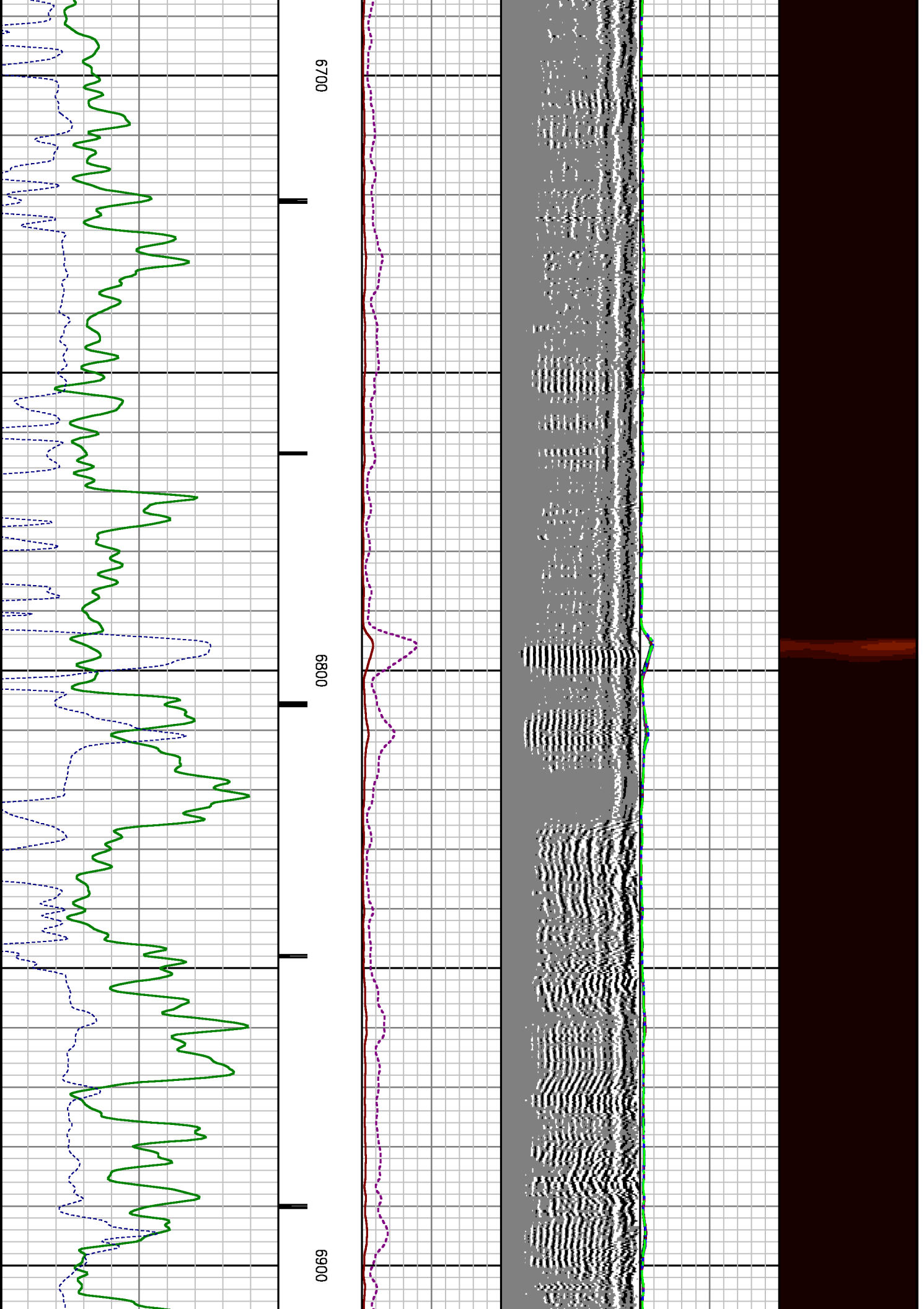


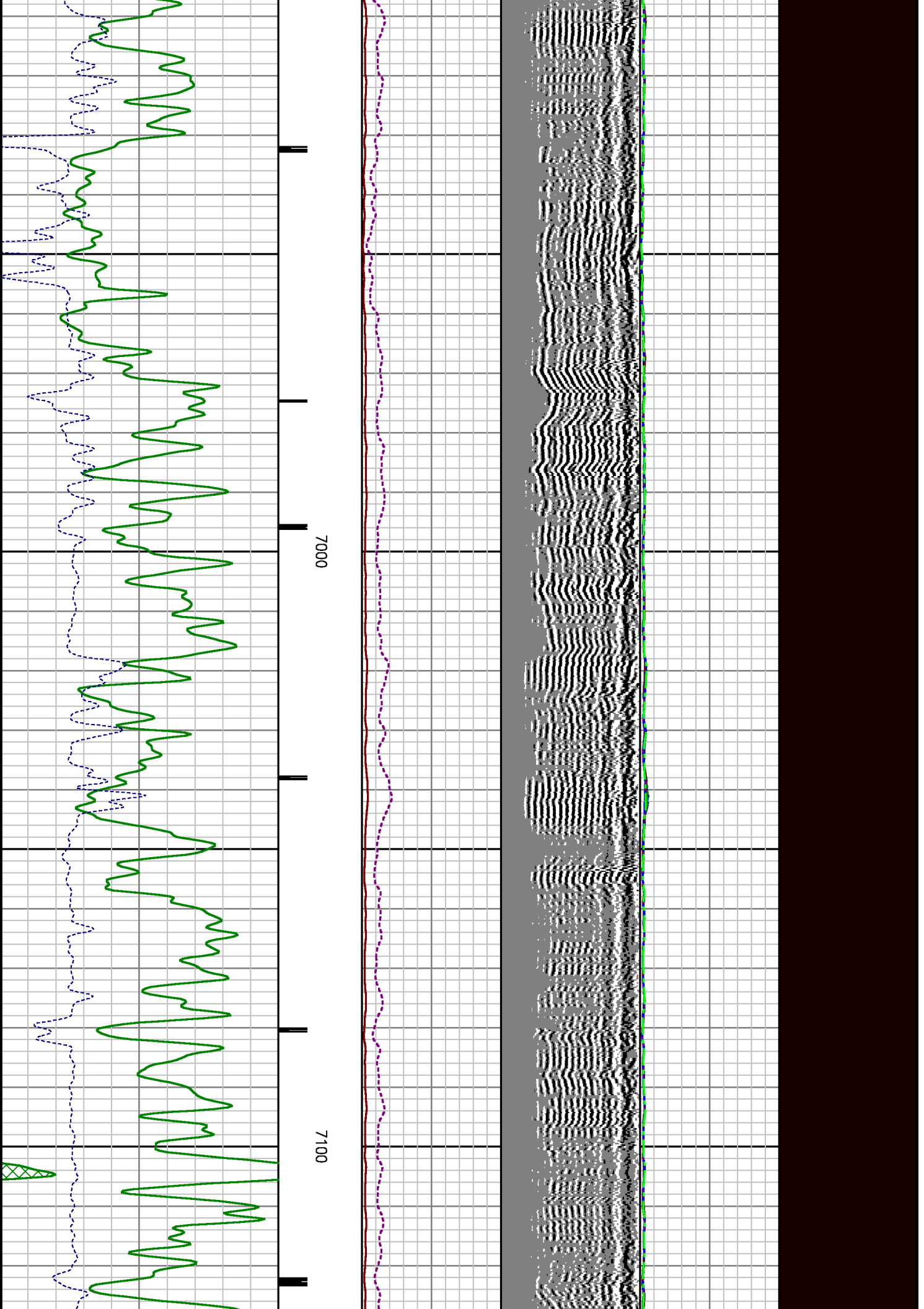


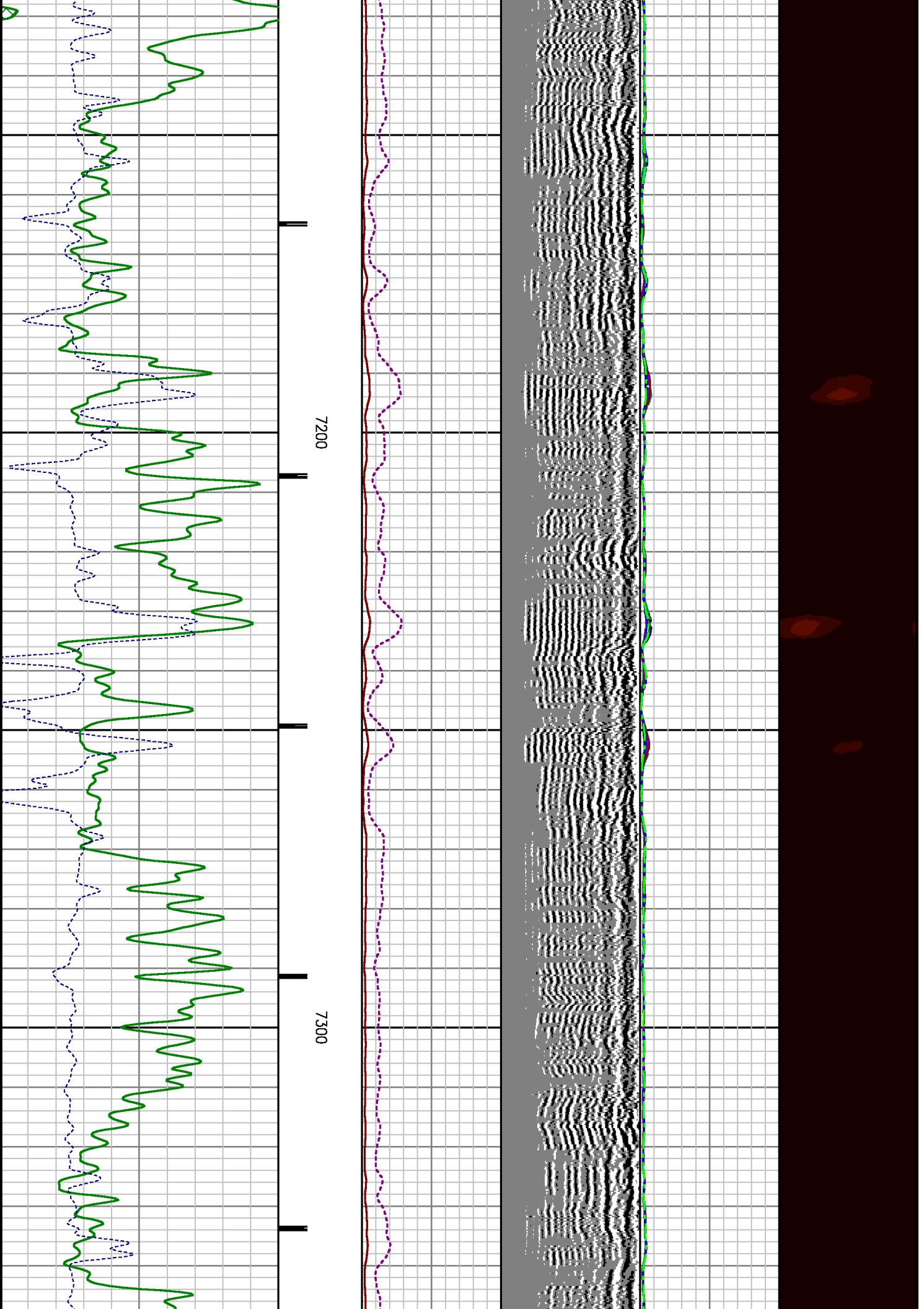


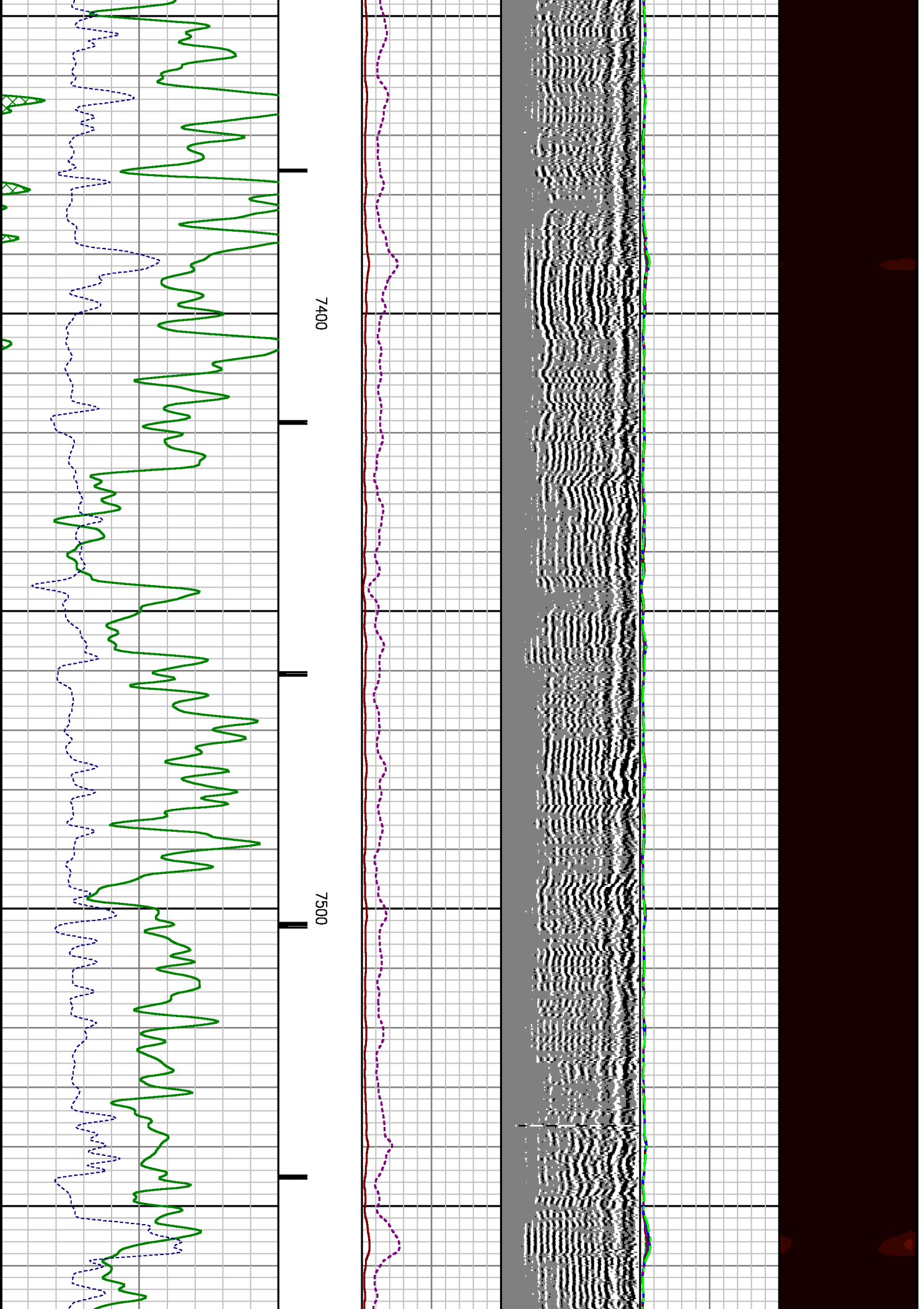


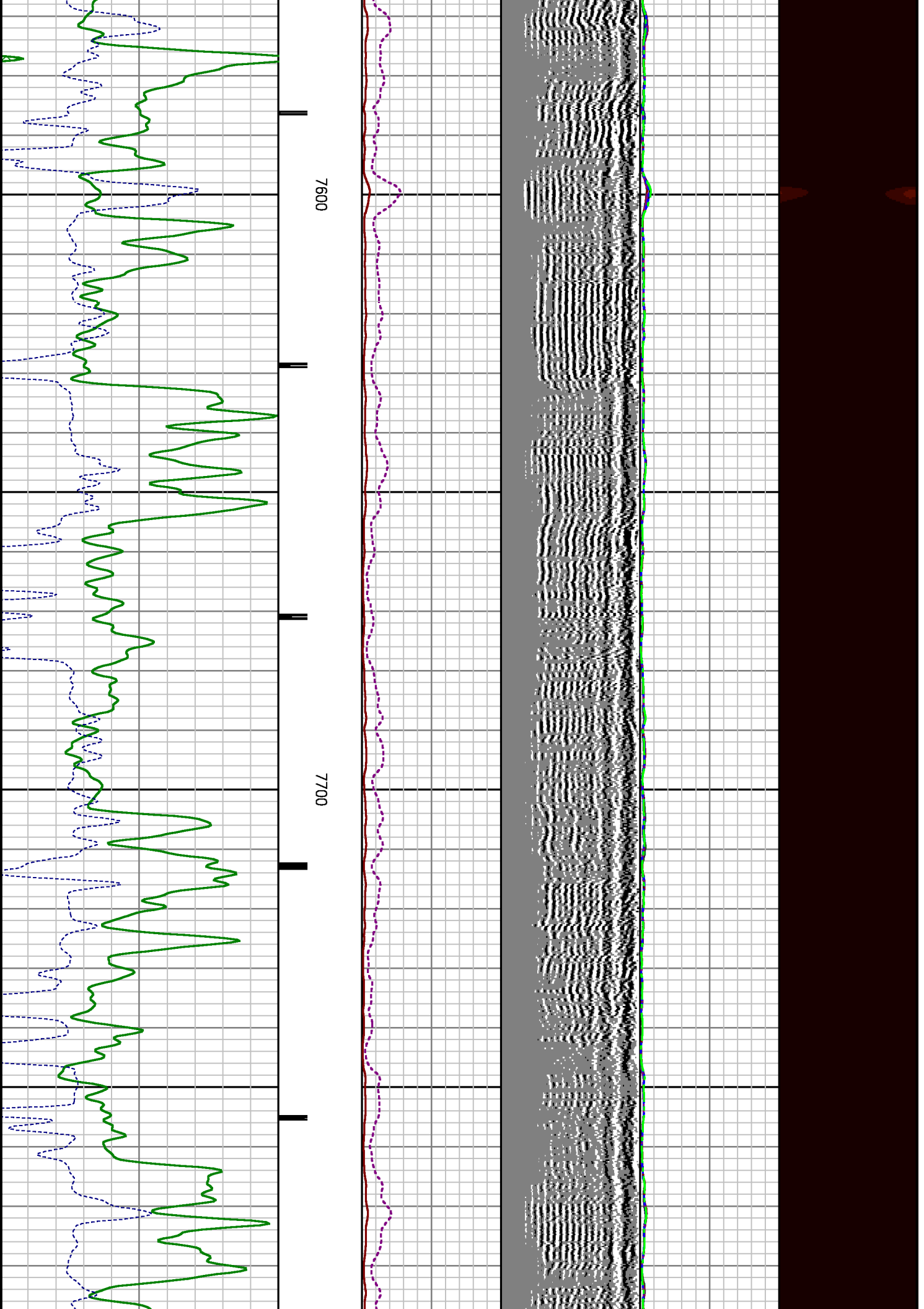


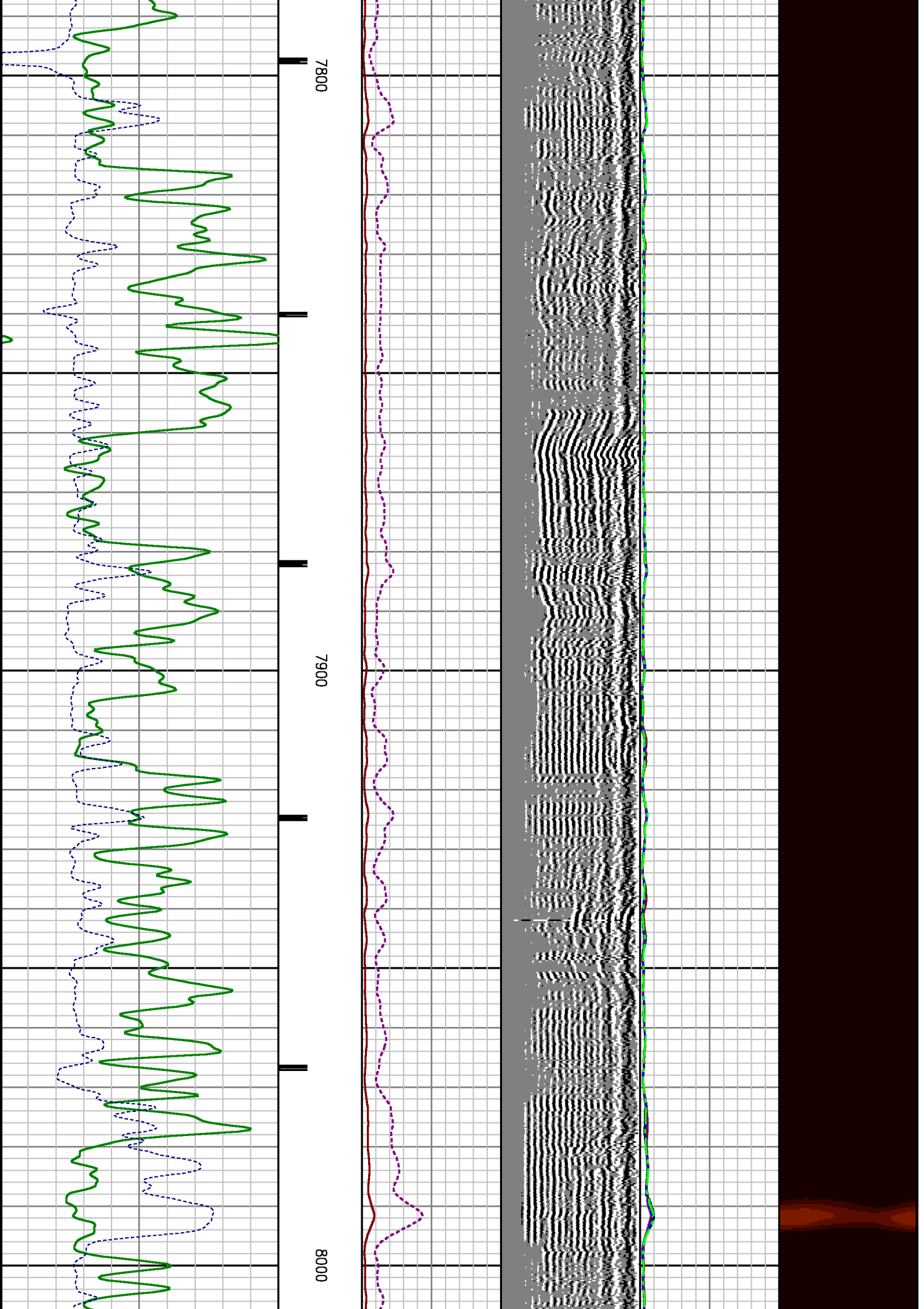


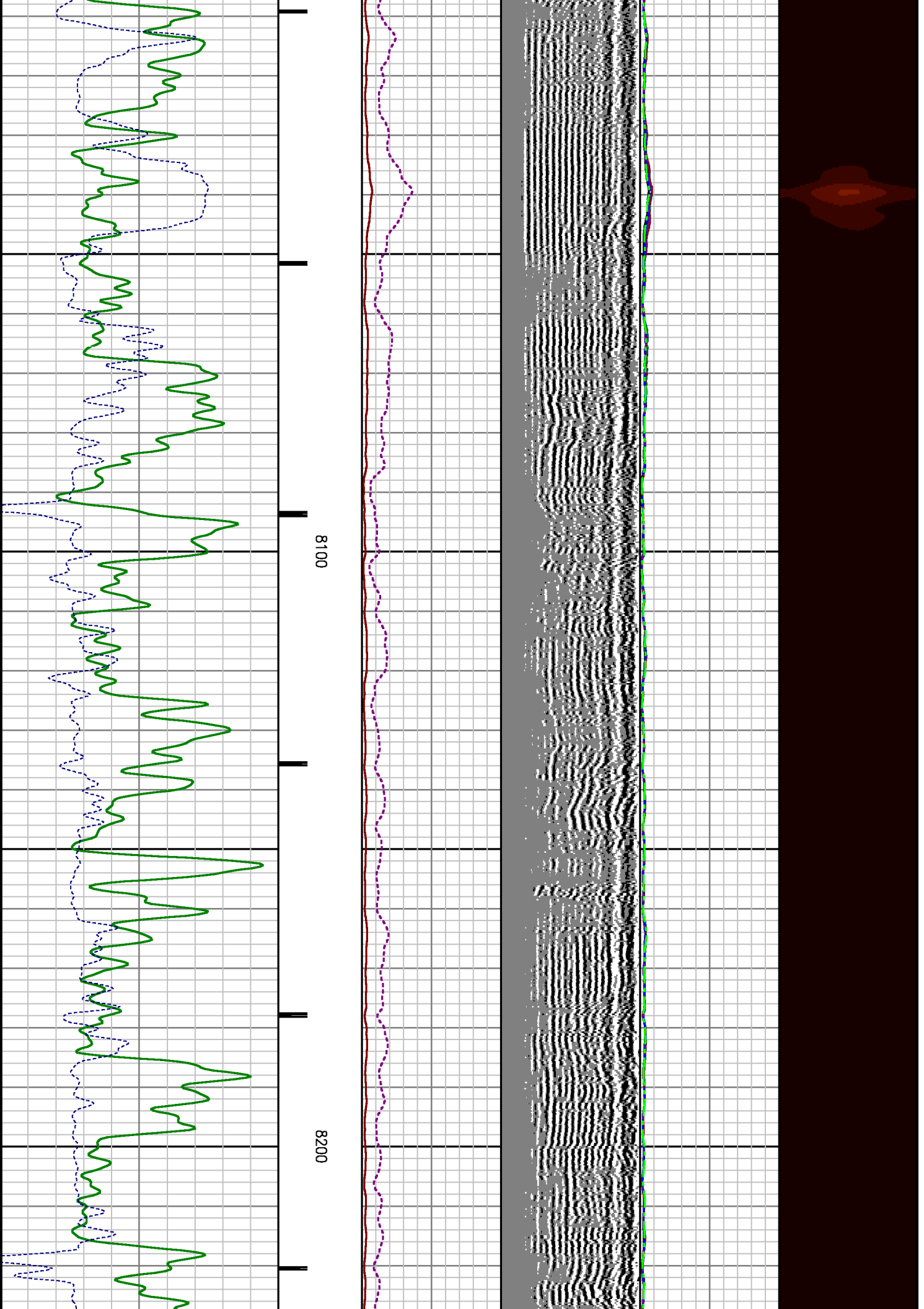


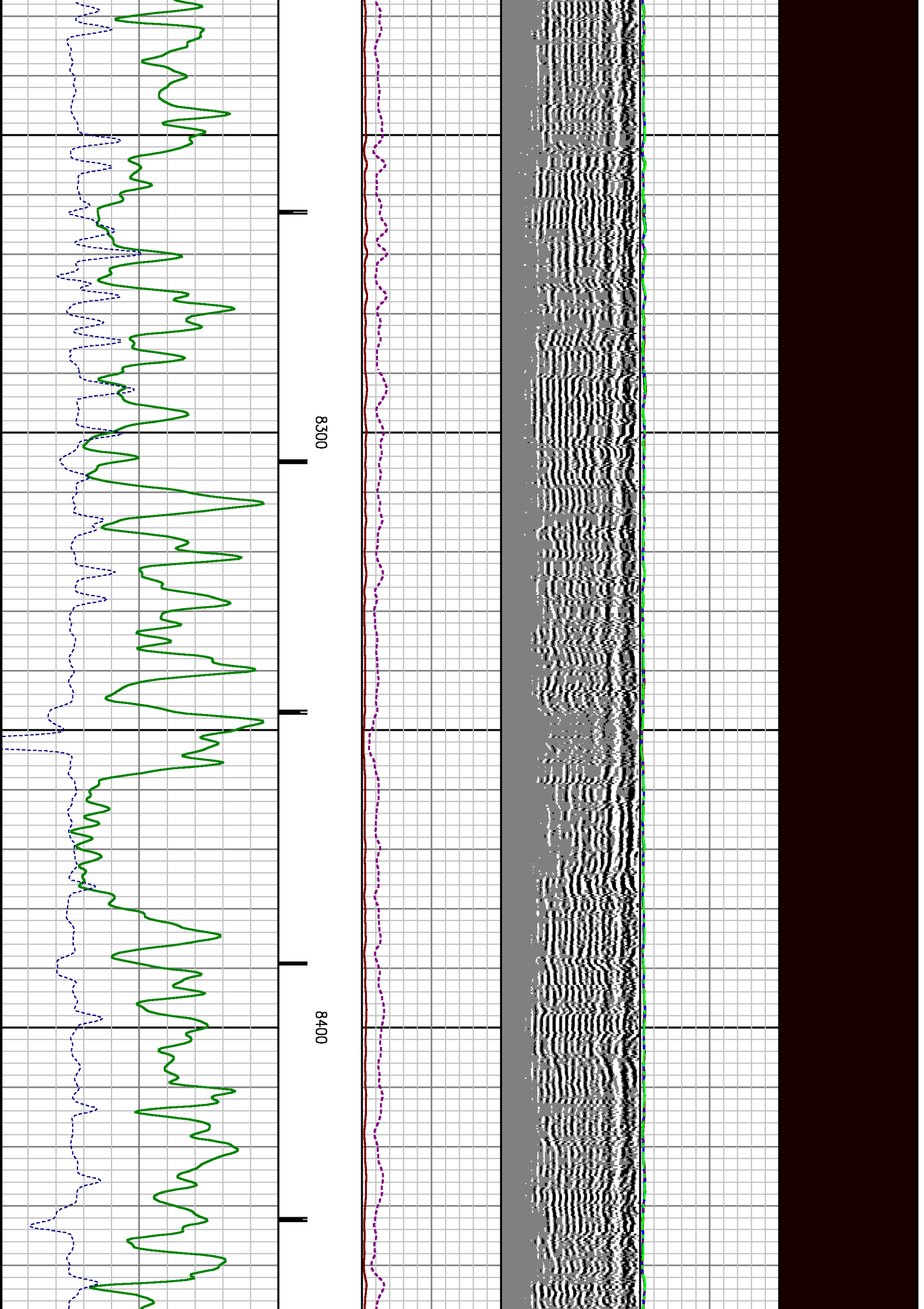


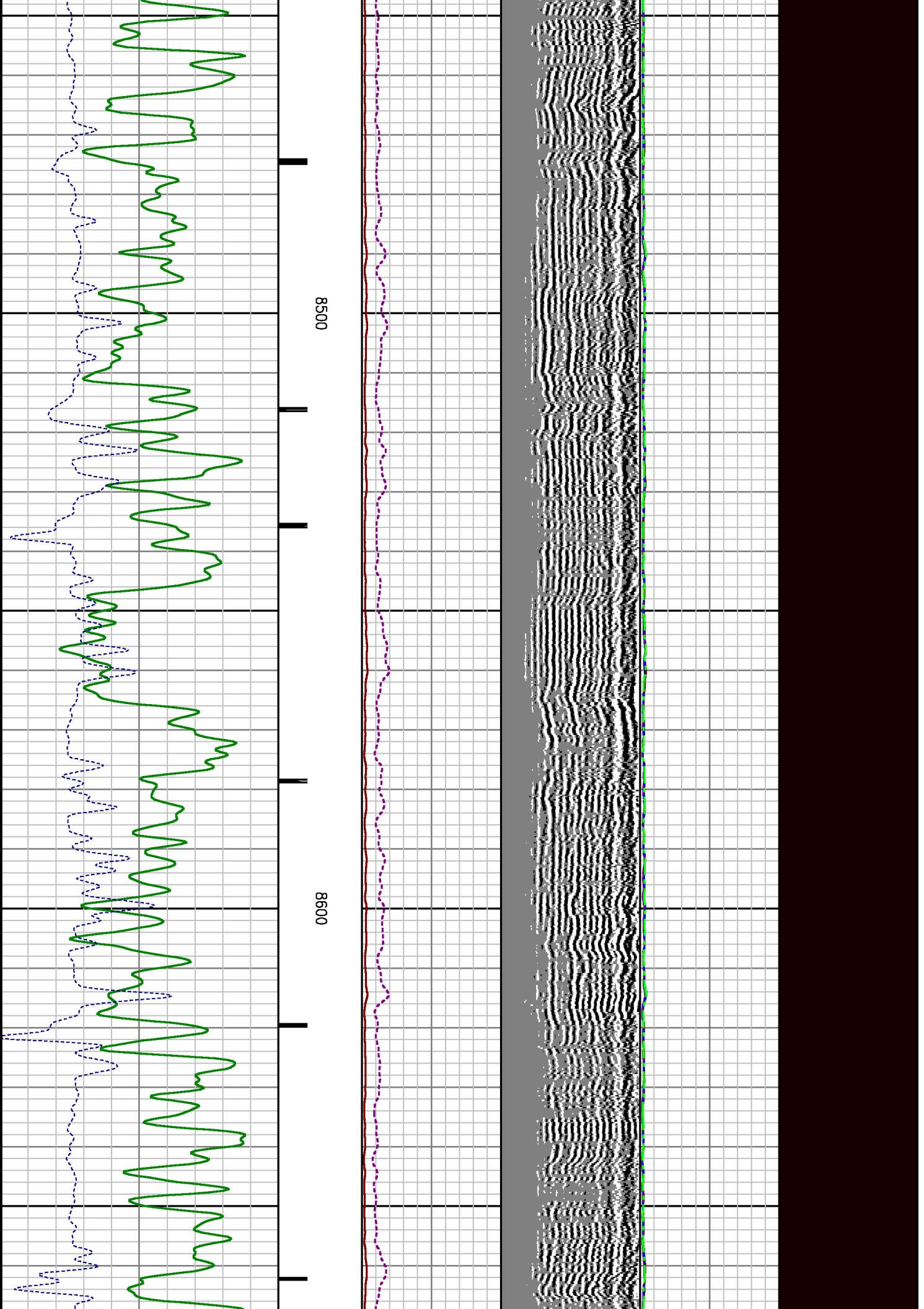


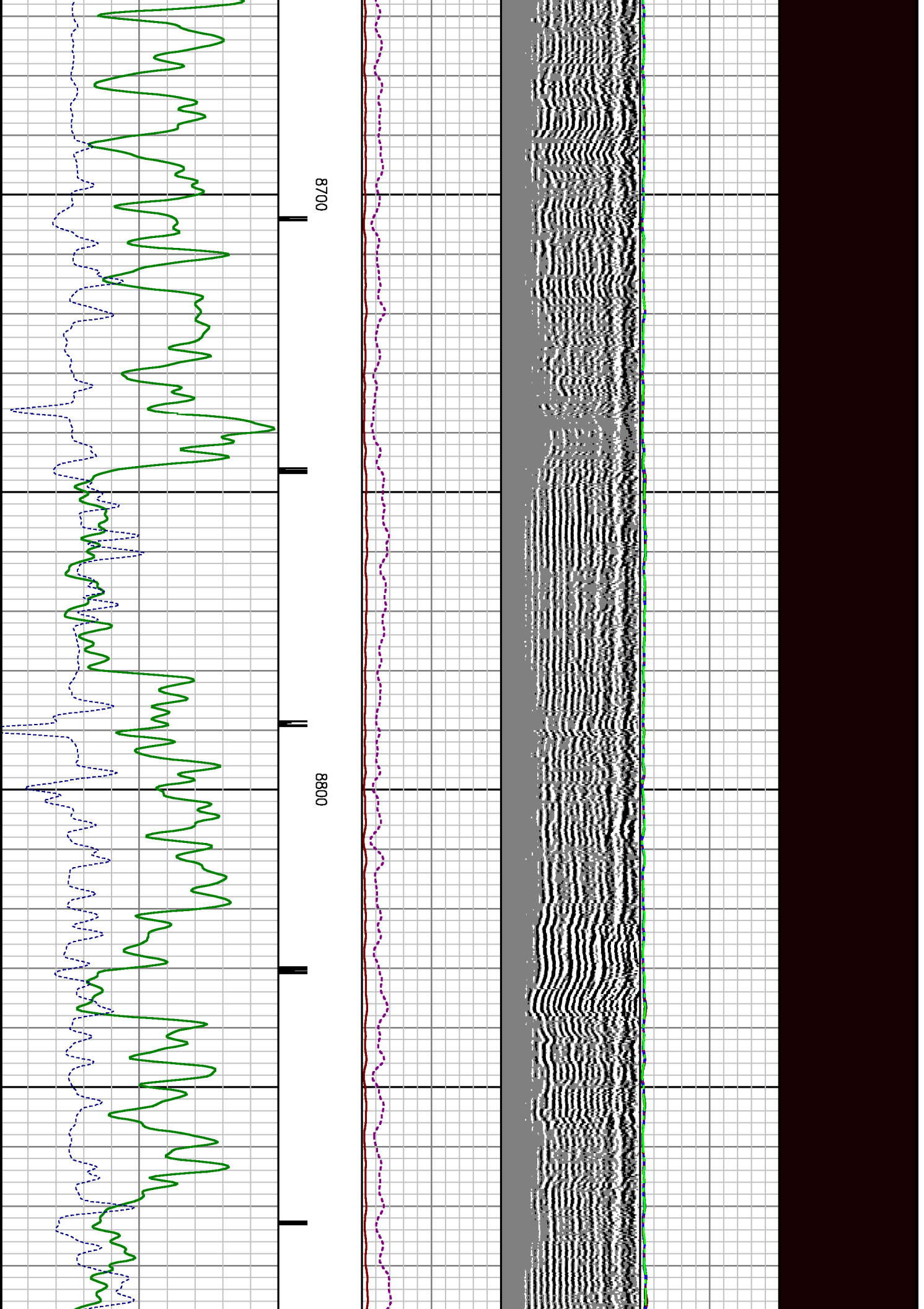


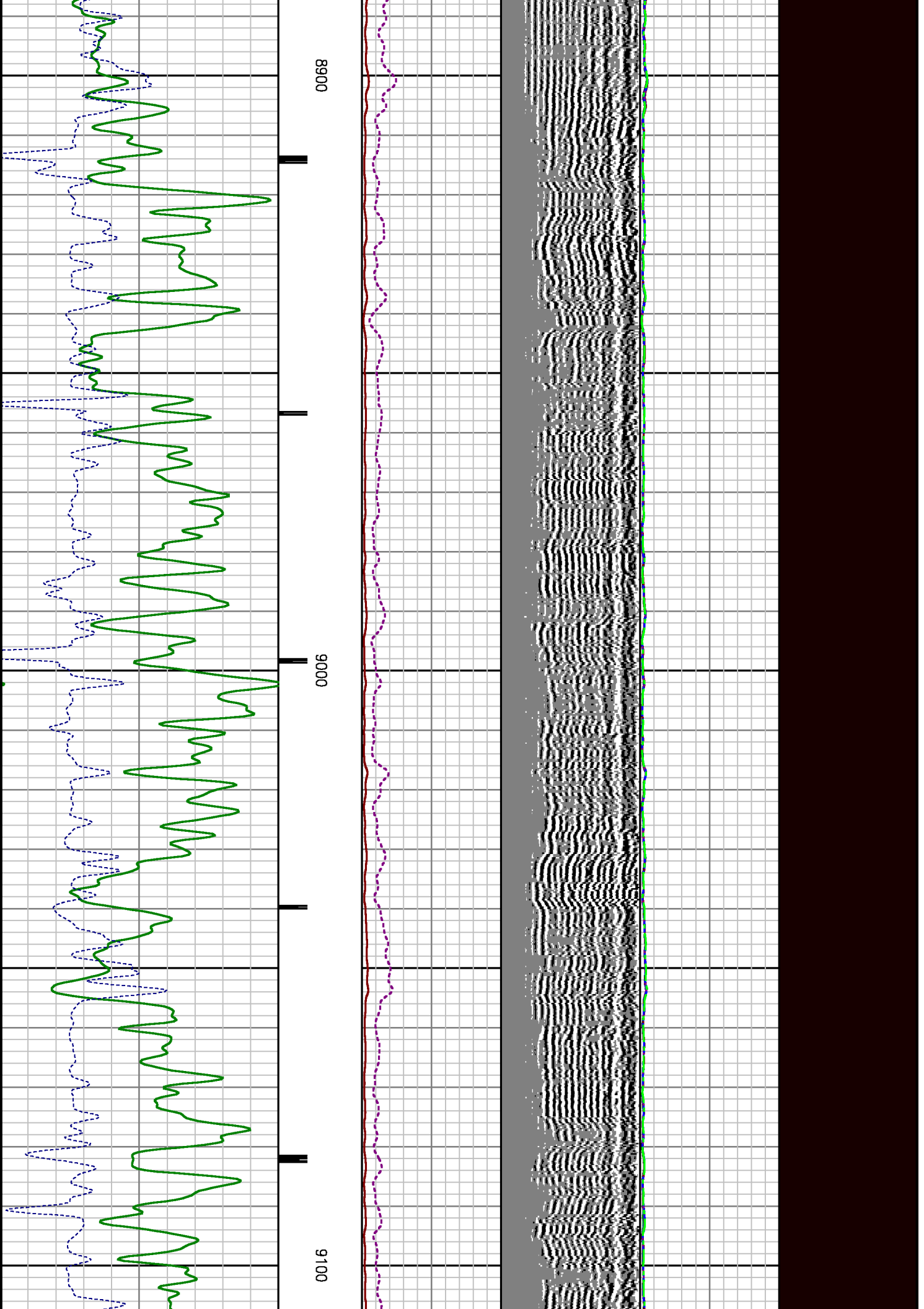


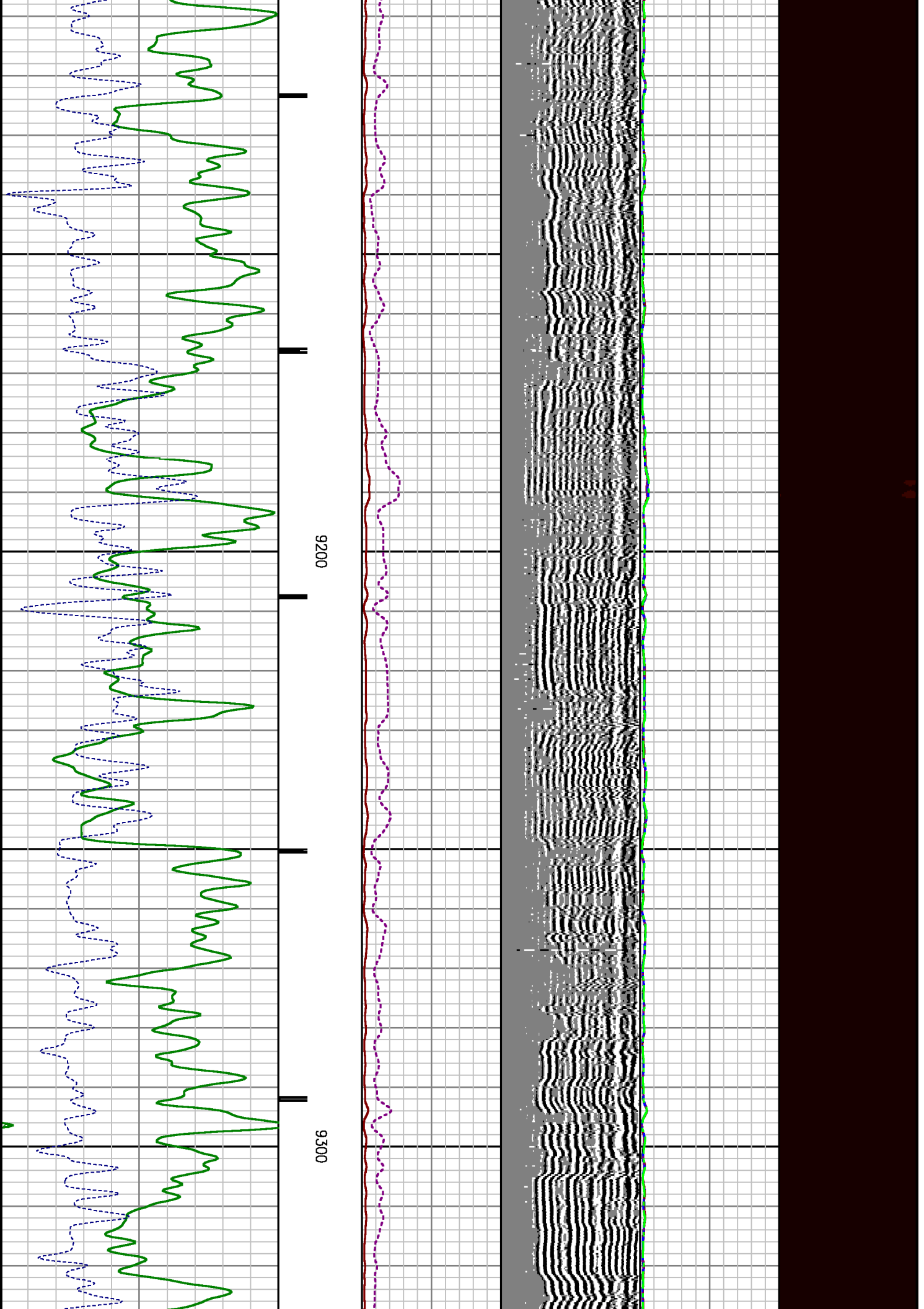


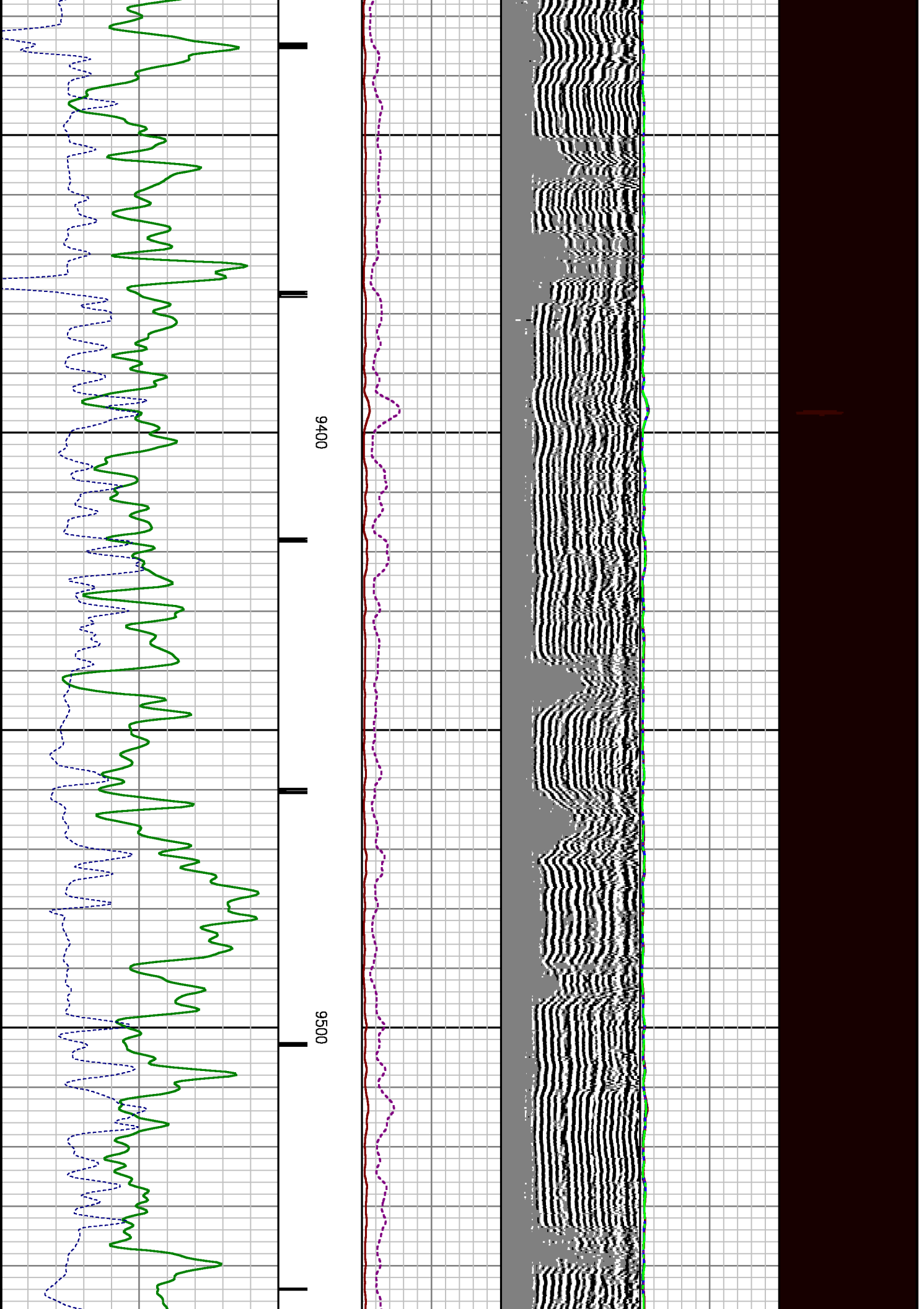


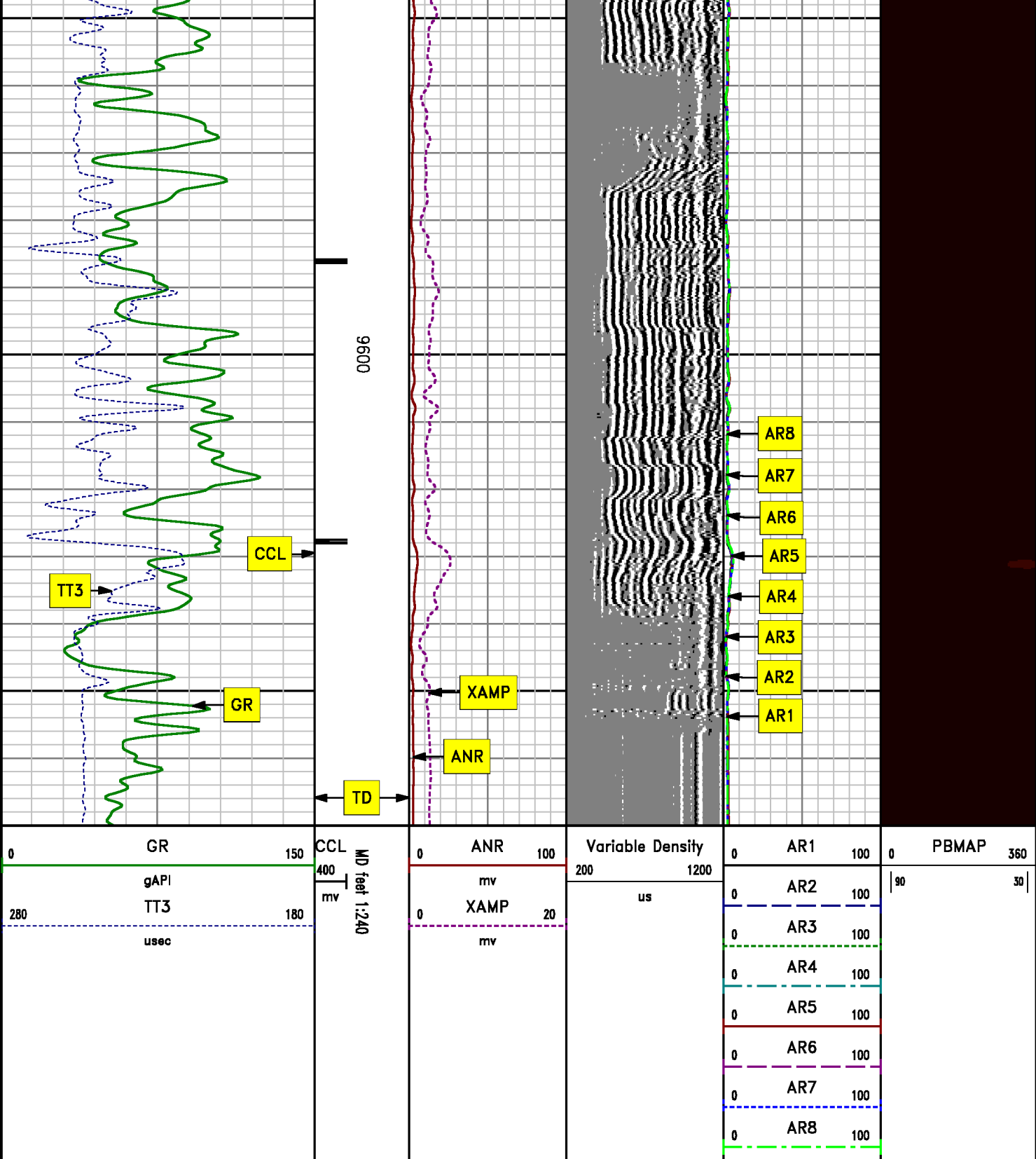












*REPEAT SECTION
WITH 0 PSI*

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	316.900	usec	9468.567	9693.600
RAL	Amp Gate Start Near	200.391	usec	9468.567	9693.600
RAL	Amp Gate Start Radial	200.391	usec	9468.567	9693.600
RAL	Amp Gate Width Far	30.000	usec	9468.567	9693.600
RAL	Amp Gate Width Near	30.000	usec	9468.567	9693.600
RAL	Amp Gate Width Radial	30.000	usec	9468.567	9693.600
RAL	casing od	4.500	inches	9468.567	9693.600
RAL	casing wt	11.600	lbm/ft	9468.567	9693.600
RAL	FB Start Far	291.900	usec	9468.567	9693.600
RAL	FB Start Near	175.391	usec	9468.567	9693.600
RAL	FB Start Radial	175.391	usec	9468.567	9693.600
RAL	FB Thresh Far	10.000	mv	9468.567	9693.600
RAL	FB Thresh Near	4.000	mv	9468.567	9693.600
RAL	FB Thresh Radial	4.000	mv	9468.567	9693.600
RAL	Fluid Travel Time	200.000	usec/ft	9468.567	9693.286

DEPTH OFFSETS (for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES							
1426XA	-15.360	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	-14.360	AFAR	SIG	TT5					
1426XA	-7.250	CCL							
1426XA	-5.390	GR							
1426XA	0.000	NEU							

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : MARATHON OIL COMPANY

Well : 596-29C-25

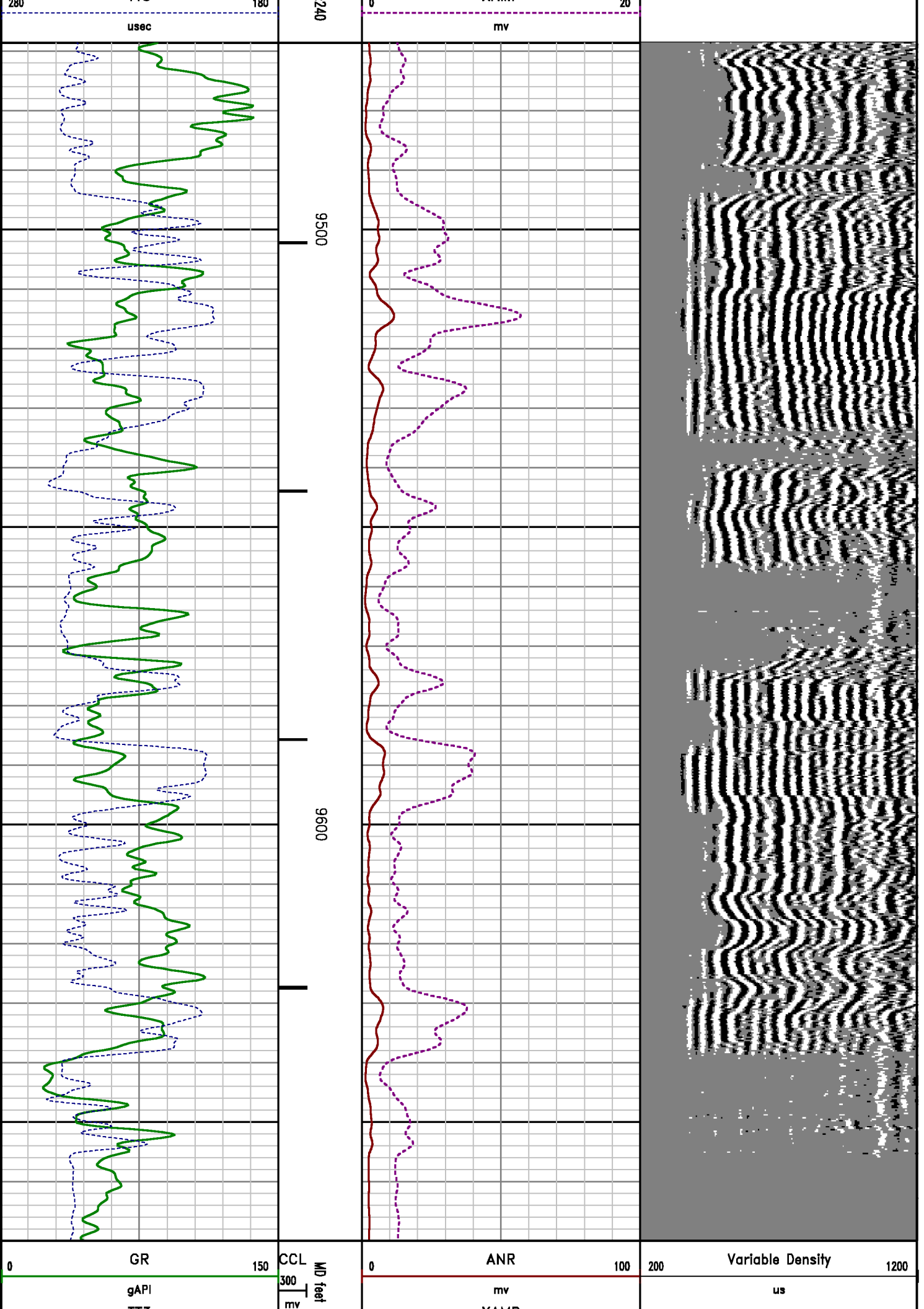
File Name : D:\WELLDATA\RADC25\REPEAT.XTF

Mode : PlotMgr 5.4.504

Interval : 9468.60 - 9670.00 feet UP

Created : 1/6/2010 6:53:35 PM

0	GR	150	CCL	MD feet 1	0	ANR	100	200	Variable Density	1200
	gAPI		300			mv			us	
	TT3		mv			XAMP				



CALIBRATION SUMMARY

GAMMA RAY

Calibration File: C:\case\calver\GR\503JA.cal

CALIBRATION SUMMARY						
DATE/TIME PERFORMED:		Sat Jan 02 22:10:46 2010		TOOL SERIES:	2459XA	ASSET: 503 SEQ: JA
Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
BA 856	42.27	210.49	1.100	46.48	231.48	185.00

Verification File: C:\case\calver\GR\503JA.VP

PRIMARY LOG VERIFICATION						
DATE/TIME PERFORMED:		Sat Jan 02 22:12:58 2010		TOOL SERIES:	2459XA	ASSET: 503 SEQ: JA
Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
BA 856	42.27	215.11	1.100	46.48	236.57	190.08

RALSHP

Shop Calibration: C:\case\calver\RALSHP\495JA5_shp.cal

SHOP CALIBRATION SUMMARY								
DATE/TIME PERFORMED:		Wed Jan 06 00:57:37 2010		TOOL SERIES:	1426XA	ASSET: 495 SEQ: JA5		
Tool Delay [u _{sec}]	Tank OD in	Tank Wt lbm/ft	Tank ID in					
-56.00	5.50	15.50	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	149	25	-0.313	100.00	0.13
3 Ft. Receiver	218	216	30	153	25	-0.192	100.00	0.13
5 Ft. Receiver	328	326	30	242	25	0.620	150.00	0.14
Radial #1	219	216	30	157	25	0.521	100.00	0.13
Radial #2	219	216	30	157	25	0.012	100.00	0.13
Radial #3	218	216	30	157	25	-0.278	100.00	0.13
Radial #4	218	216	30	157	25	-0.303	100.00	0.13

Radial #5	218	216	30	157	25	-0.351	100.00	0.13
Radial #6	218	216	30	157	25	-0.440	100.00	0.13
Radial #7	218	216	30	157	25	-0.418	100.00	0.13
Radial #8	219	216	30	157	25	-0.349	100.00	0.13

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\495JA6 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Wed Jan 06 15:28:07 2010 TOOL SERIES: 1426XA ASSET: 495 SEQ: JA6

Tool Delay [usec] Casing OD in Casing Wt lbm/ft Casing ID in

RECEIVER	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Full Amp. [mV]	Wellsite Factor	Amp. Ref [mV]
CAL Pulse	<input type="text" value="149"/>	<input type="text" value="25"/>	<input type="text" value="0.002"/>	<input type="text" value="0.000"/>	<input type="text" value="0.99"/>	<input type="text" value="100.000"/>
3 Ft. Receiver	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.974"/>			
5 Ft. Receiver	<input type="text" value="317"/>	<input type="text" value="30"/>	<input type="text" value="1.492"/>			
Radial #1	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.885"/>			
Radial #2	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.678"/>			
Radial #3	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.798"/>			
Radial #4	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.814"/>			
Radial #5	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.610"/>			
Radial #6	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.642"/>			
Radial #7	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.674"/>			
Radial #8	<input type="text" value="200"/>	<input type="text" value="30"/>	<input type="text" value="0.568"/>			

TOOL DIAGRAM

OTA SHORT CABLE HEAD

CENTRALIZER

Series RALCENT
Mnemonic CENT
Diameter 3.12"
Weight 20.00 lb



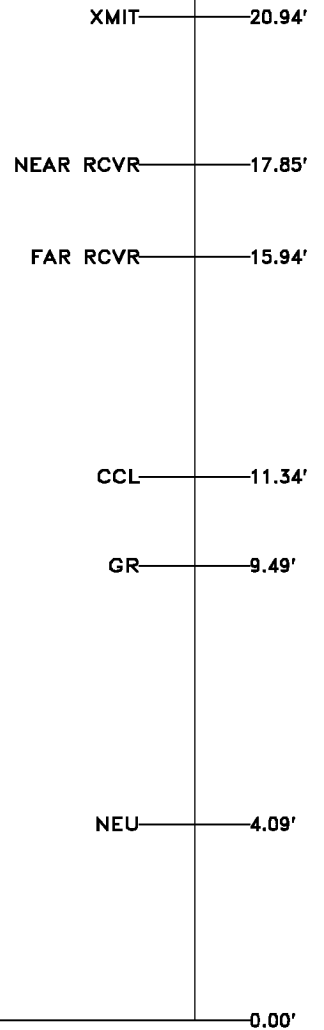
30.00'

PROBE 2 3/4 DUAL RECEIVER RADII (1426XA)



CENTRALIZER	
Series	RALCENT
Mnemonic	CENT
Diameter	3.12"
Weight	20.00 lb

Probe GR/CCL/NEU (2459XA)

CENTRALIZER	
Series	RALCENT
Mnemonic	CENT
Diameter	3.12"
Weight	20.00 lb



Total Length: 30.00'
 Total Weight: Not Available
 Max Diameter: 0' 3.12"

 Baker Atlas	Company MARATHON OIL COMPANY Well 596-29C-25 Field GRAND VALLEY	File No: 1553
	County GARFIELD State COLORADO	API No: 05-045-180950000
	Location SHL: 1765' FSL & 1448' FWL	Elevations KB 8204 ft DF 8203 ft GL 8180 ft
SEC 29 TWP 5S RGE 96W		

