



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: CH072152	Company Well Field County	WPX ENERGY GOLDSBOROUGH PA 412-11 PARACHUTE GARFIELD	State COLORADO
API No: 05045218270000			
11 7S 9SW PA 22-11 CYCLONE 17	Location SHL: 2413' FNL & 2052' FNL SEC:11 BHL: 2047' FNL & 657' FNL SEC:11 SEC 11 TWP 7S RGE 9SW	Other Services RPM KB 6295 ft DF GL 6274 ft	
Permanent Datum Log Measured From Drill Measured From	E.L. Elevation 6274 ft K.B. 21 ft Above P. D. KELLY BUSHING		

Date	23/MAY/15	
Run	ONE	
Service Order	575086	
Depth Driller	7676 ft	
Depth Logger	7847 ft	
Bottom Logged Interval	7837 ft	
Top Logged Interval	21 ft	
Time Started	7:00	
Time Finished	10:30	
Operator Rig Time	3.5 HRS	
Type of Fluid in Hole	WATER	
Fluid Density	N/A	
Salinity	N/A	
Fluid Level	67 ft	
Logged Cement Top	N/A	
Wellhead Pressure	0 psi	
Maximum Hole Deviation	N/A	
Nominal Logging Speed	45 fpm	
Maximum Recorded Temperature	224 degF	
Reference Log	N/A	
Reference Log Date	N/A	
Equipment No.	4271	GRAND JUNCTION 9721
Recorded By	W. KINSEL	GRAND JUNCTION
Witnessed By	MR. 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	1148 ft
8.75 In	0 ft	7971 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In	N/A	N/A	0 ft	1127 ft
4.5 In	11.6 lbm/ft	1-80	0 ft	7878 ft

Remarks
ALL DATA IN THIS LOG WAS DEPTH SHIFTED TO MATCH THE TOP CCL MARK WITH KB LEVEL
AT THE CLIENT'S REQUEST. THE AMOUNT OF LINEAR SHIFT WAS 1 FOOT DOWN.
SHORT JOINT: 4488' - 4513'
BHT: 224 degF
LOG DONE WITH 0 PSI ON WELLHEAD

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10163028	CENTRALIZED
1	1	GAMMA RAY/CCL	1355XA	10580209	CENTRALIZED

MAIN LOG PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	328.118	usec	28.312	7866.250
RAL	Amp Gate Start Near	197.374	usec	28.312	7866.250
RAL	Amp Gate Start Radial	198.578	usec	28.312	7866.250
RAL	Amp Gate Width Far	25.000	usec	28.312	7866.250
RAL	Amp Gate Width Near	25.000	usec	28.312	7866.250
RAL	Amp Gate Width Radial	25.000	usec	28.312	7866.250
RAL	casing od	4.500	inches	28.312	7866.250
RAL	casing wt	11.600	lbm/ft	28.312	7866.250
RAL	FB Start Far	291.900	usec	28.312	7866.250
RAL	FB Start Near	175.391	usec	28.312	7866.250
RAL	FB Start Radial	175.391	usec	28.312	7866.250
RAL	FB Thresh Far	10.000	mv	28.312	7866.250
RAL	FB Thresh Near	4.000	mv	28.312	7866.250
RAL	FB Thresh Radial	4.000	mv	28.312	7866.250
RAL	Fluid Travel Time	200.000	usec/ft	28.312	7866.187

DEPTH OFFSETS

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
		ACAL	ANR	AR1	AR2	AR3	AR4
1426XA	-11.000	AR5	AR6	AR7	AR8	CHV	FPR2

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

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

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

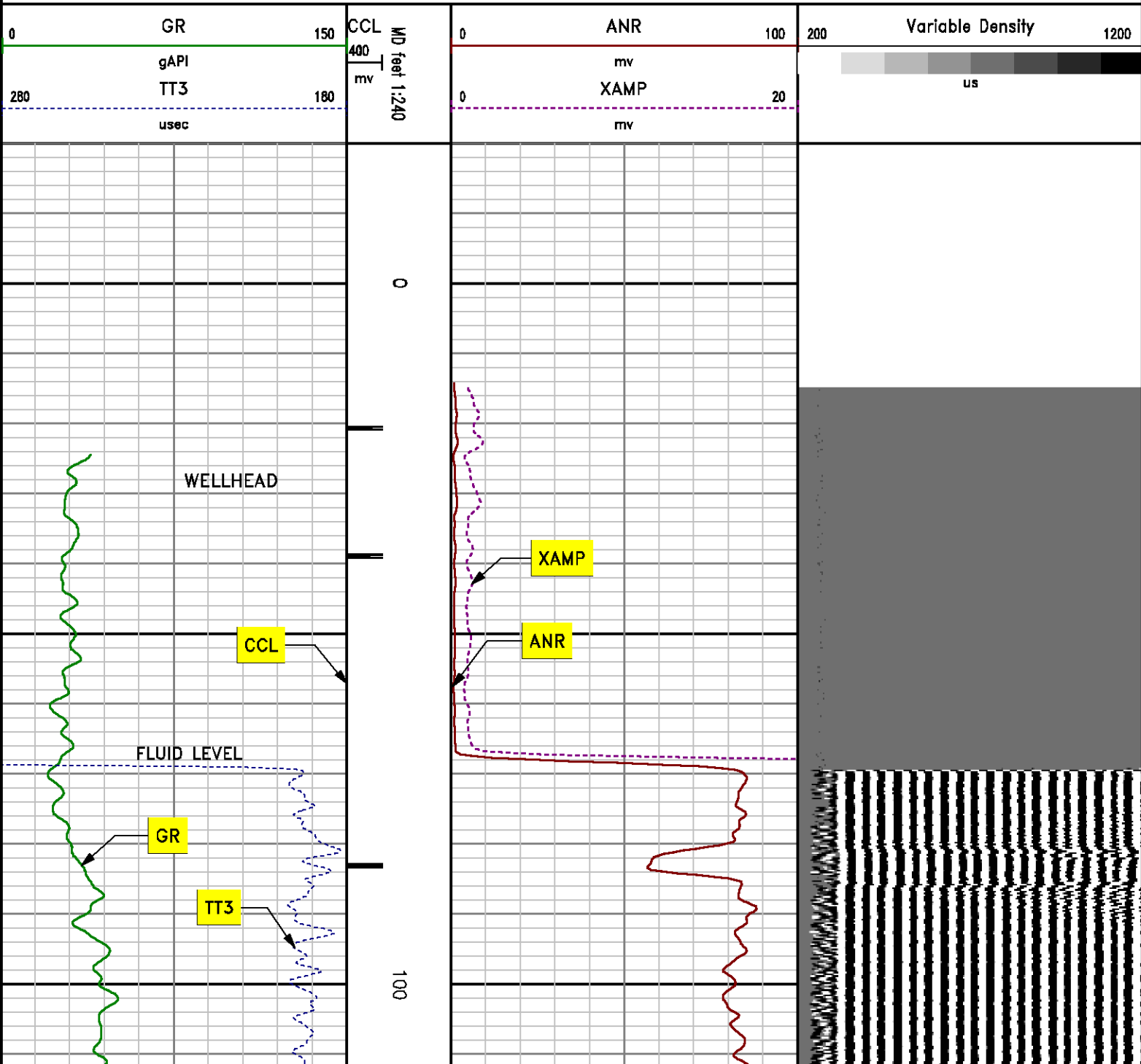
Well : GOLDSBOROUGH PA 412-11

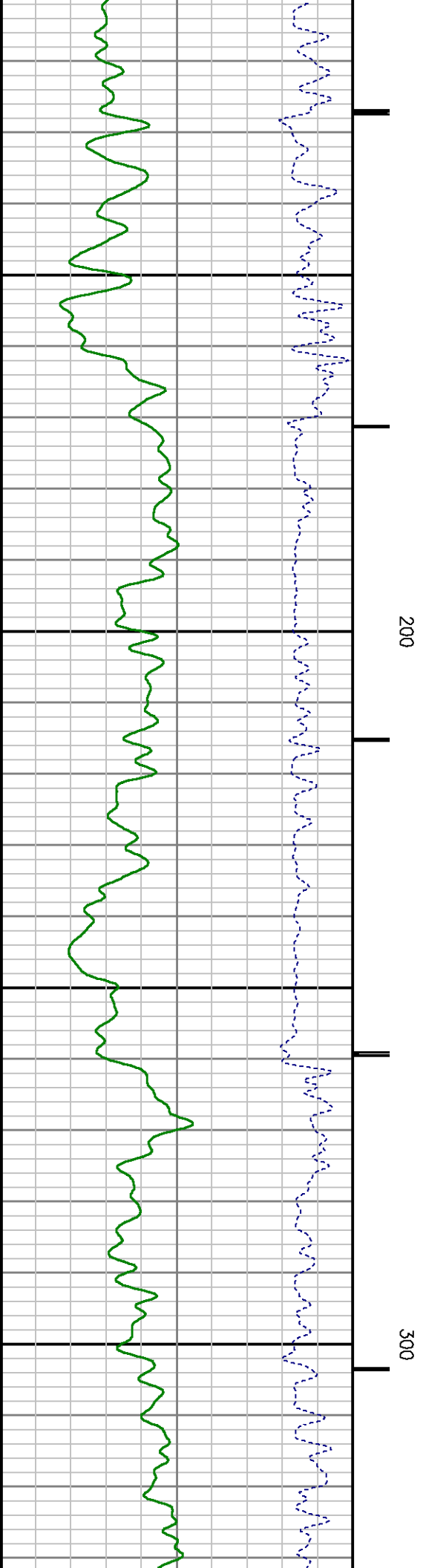
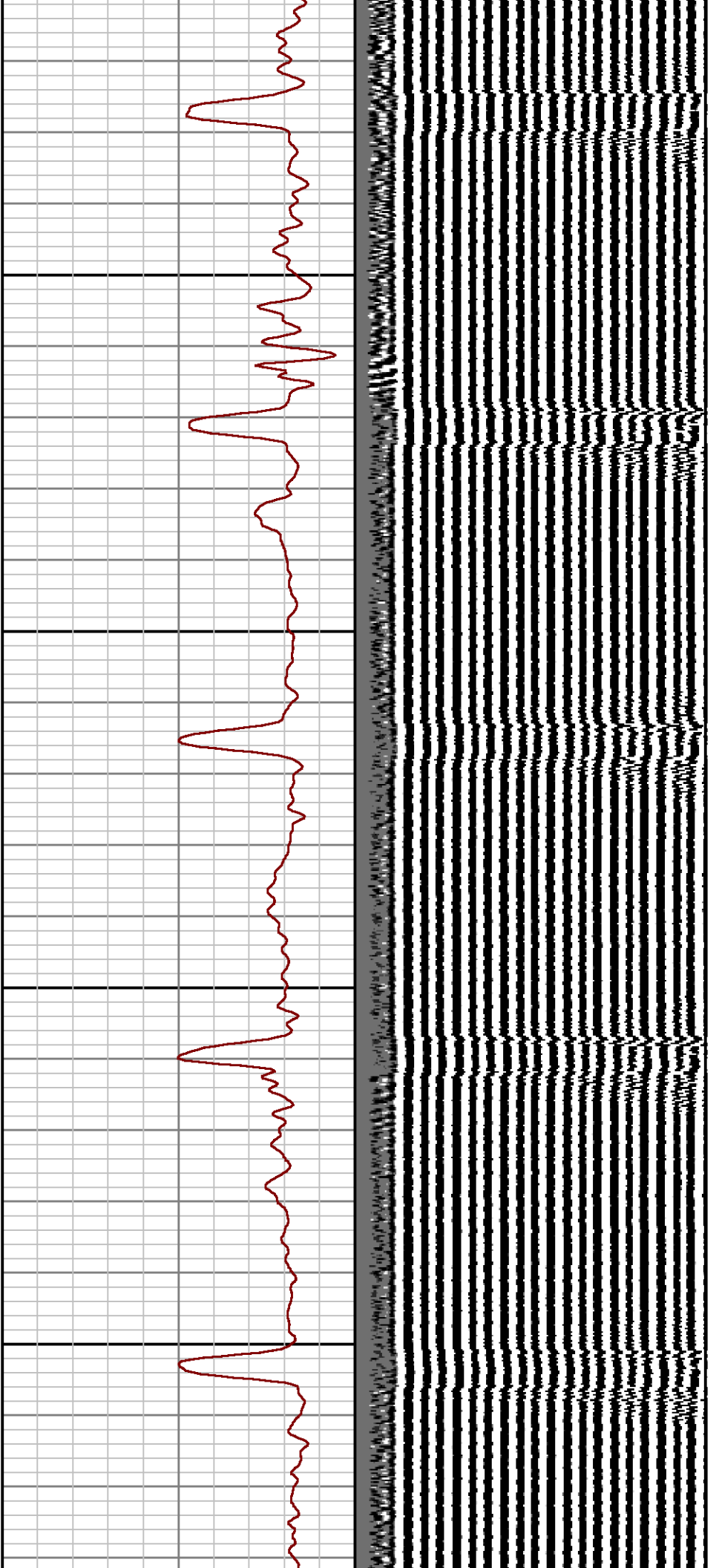
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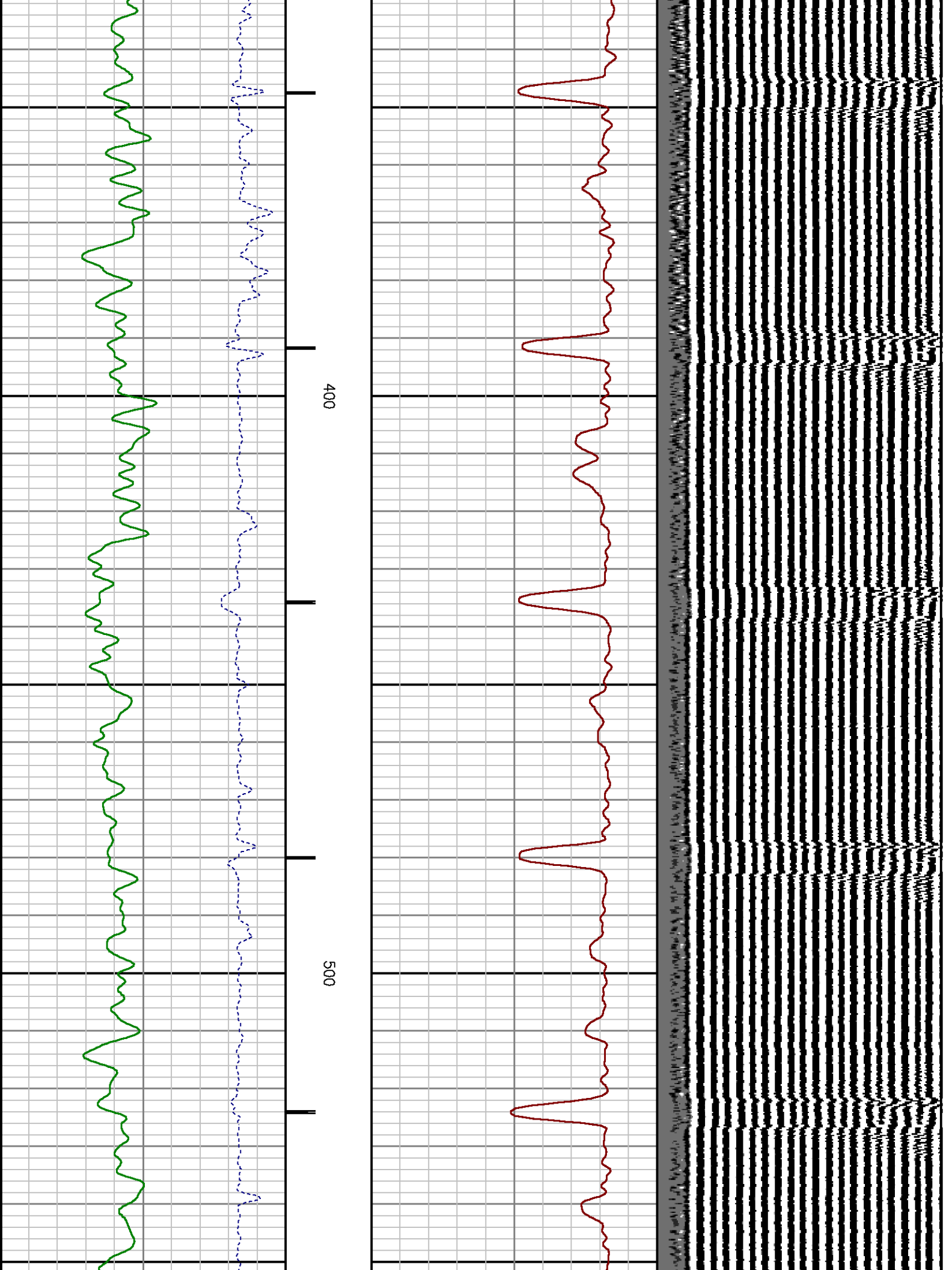
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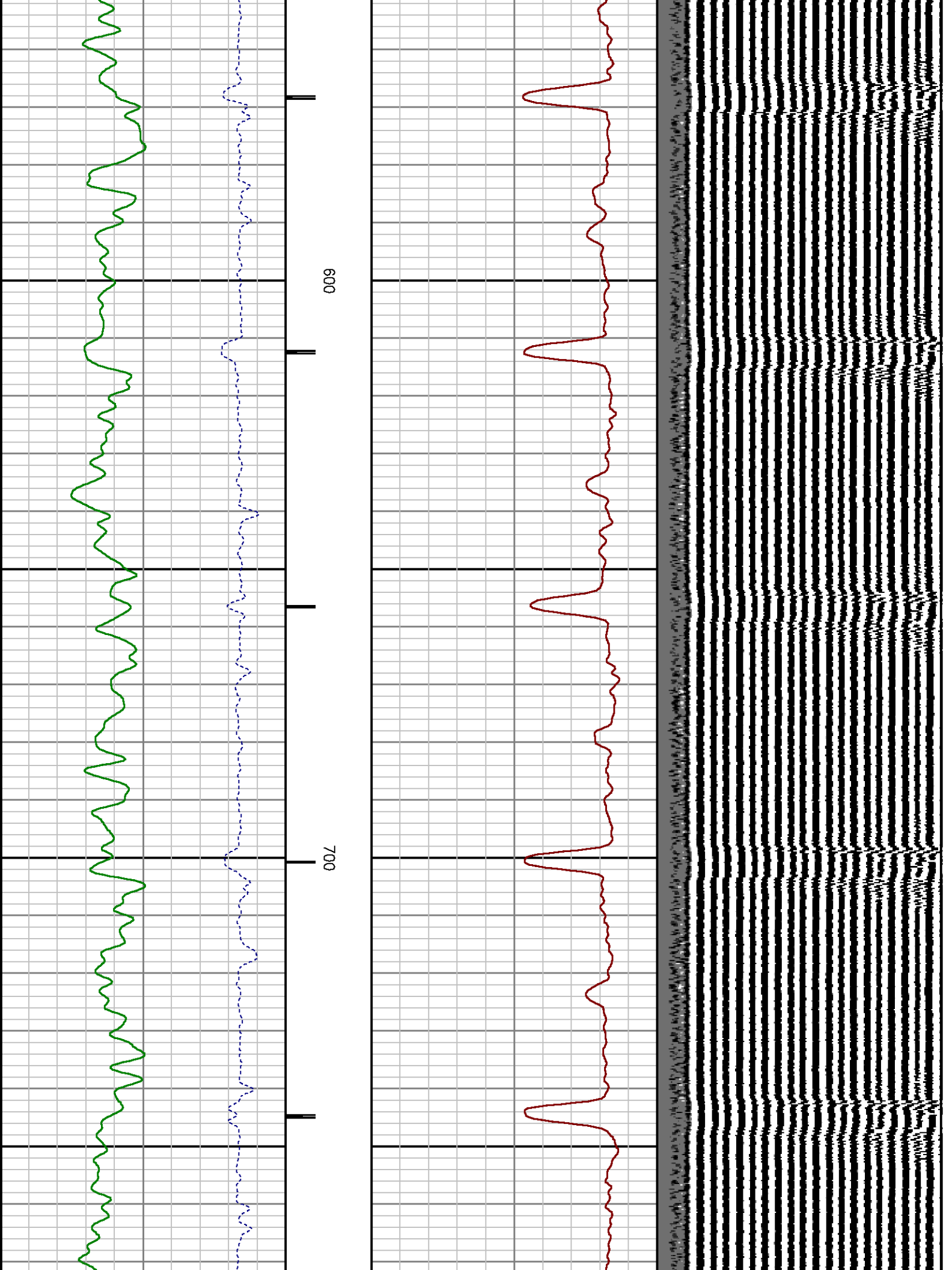
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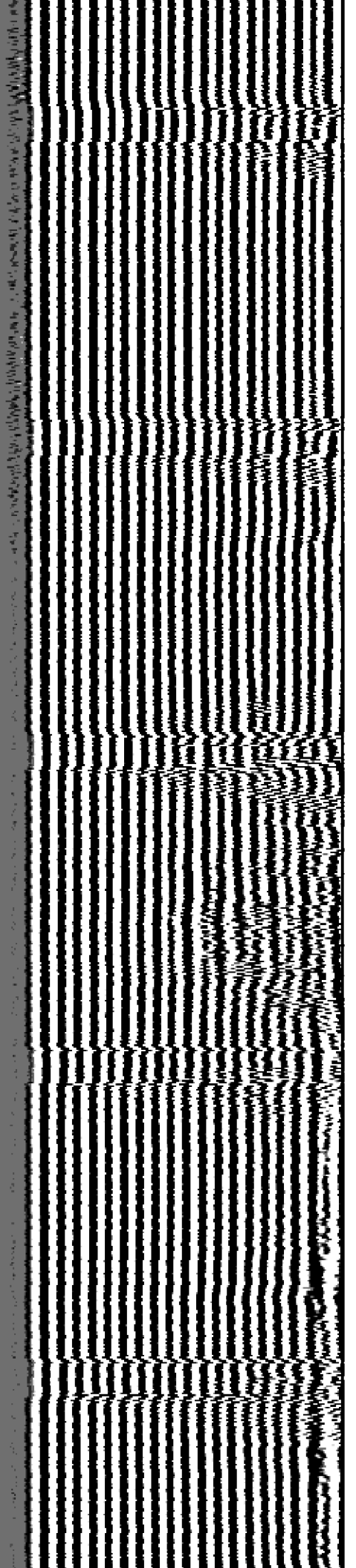
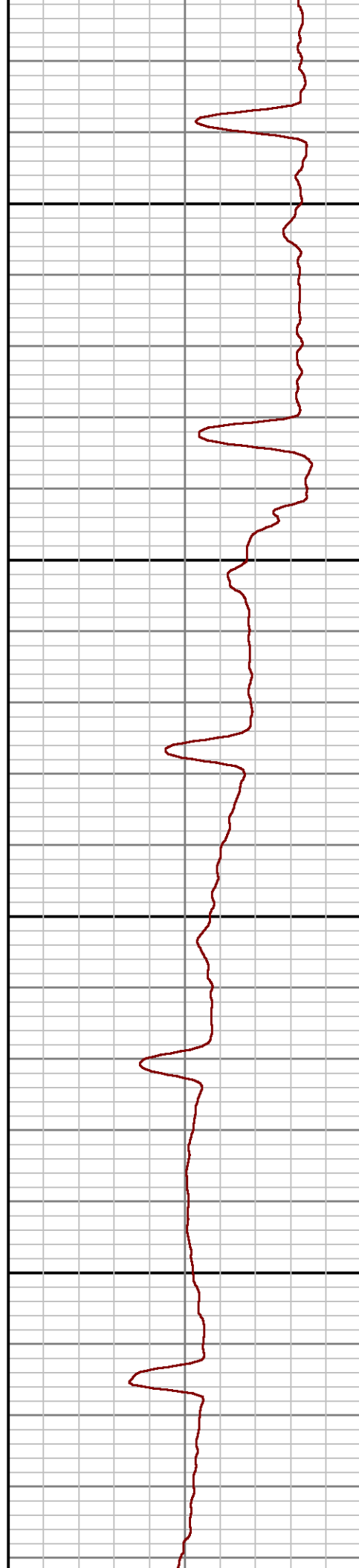
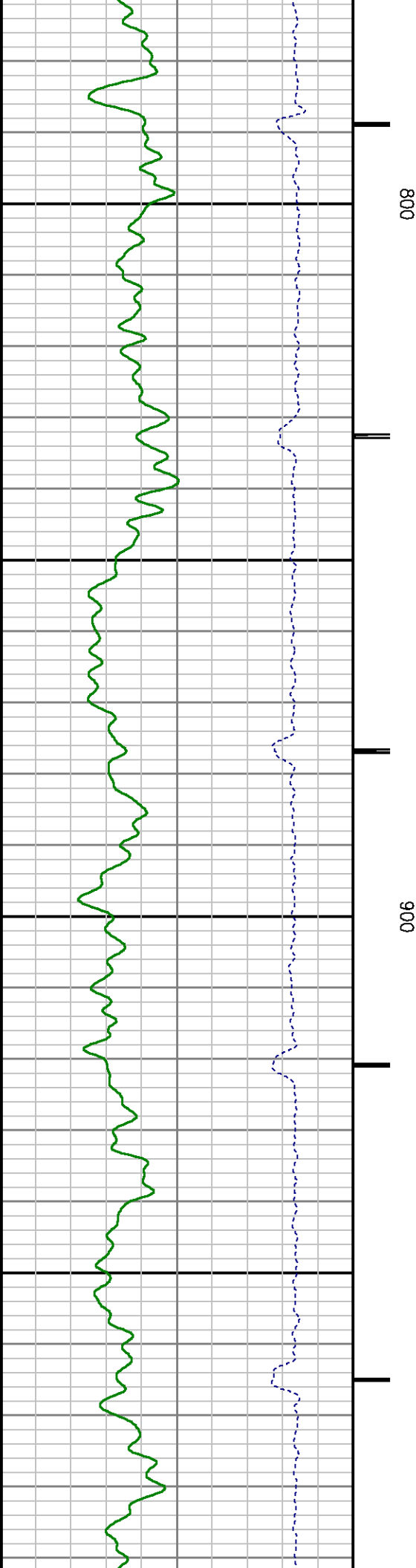
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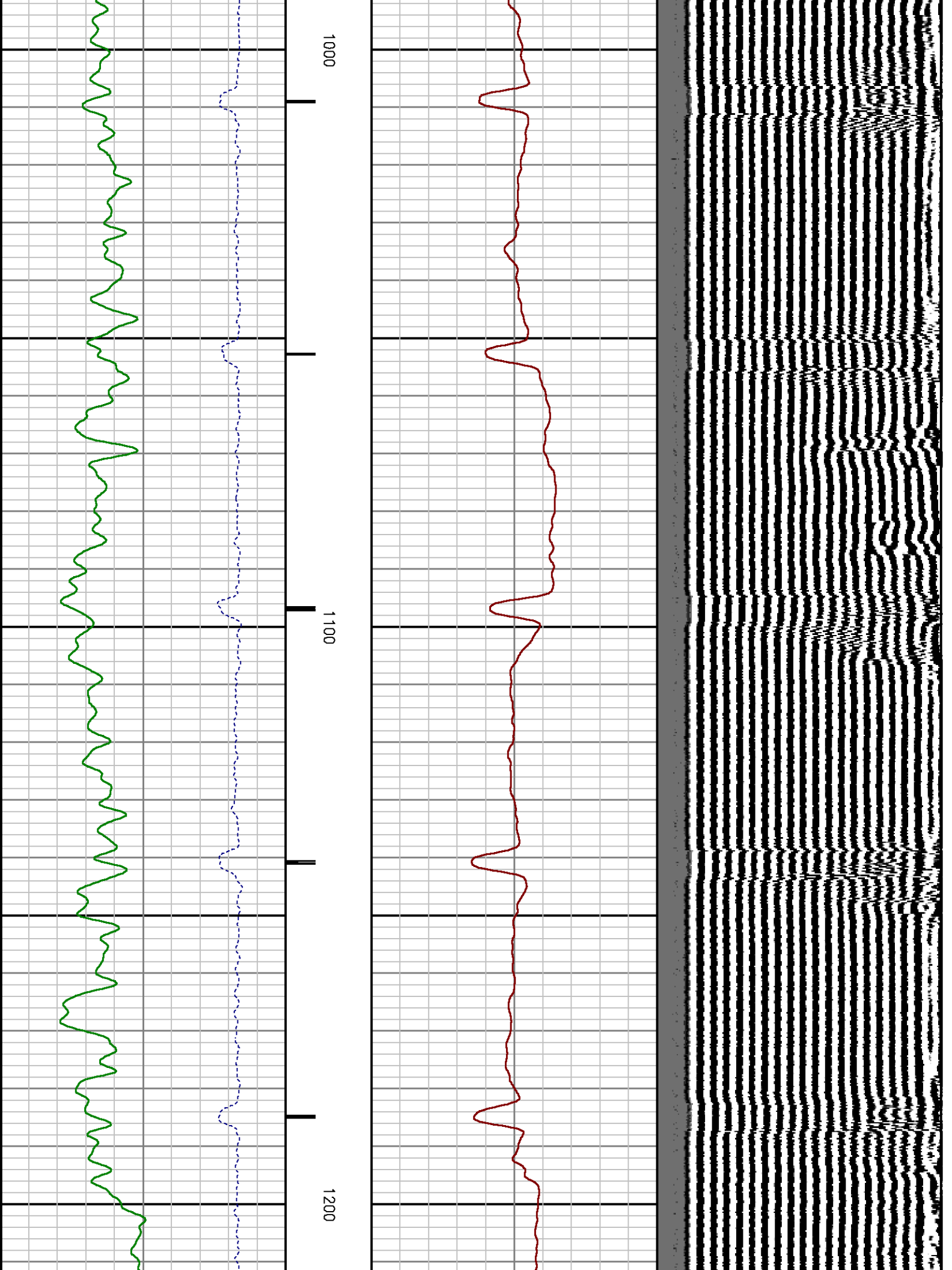


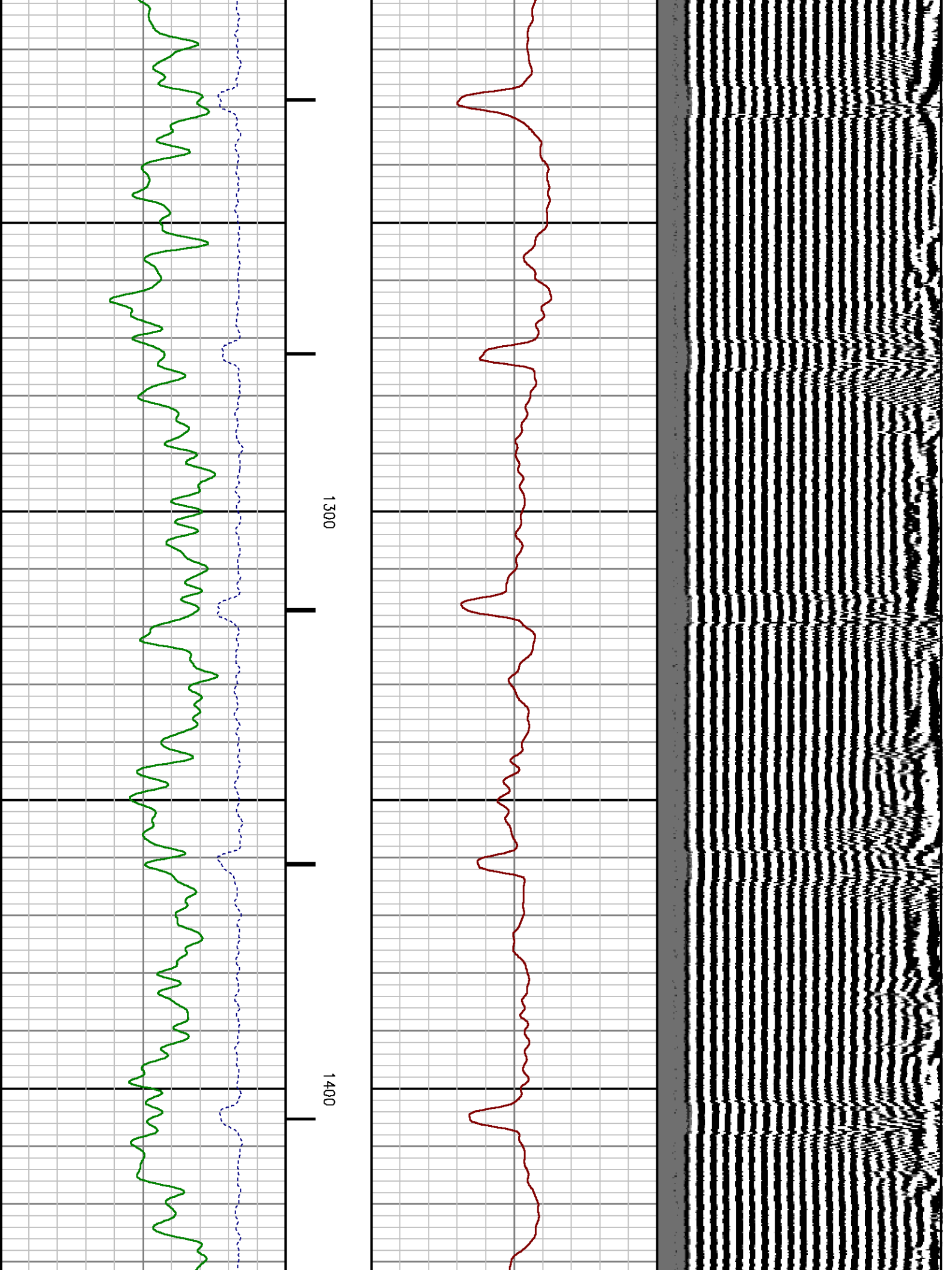


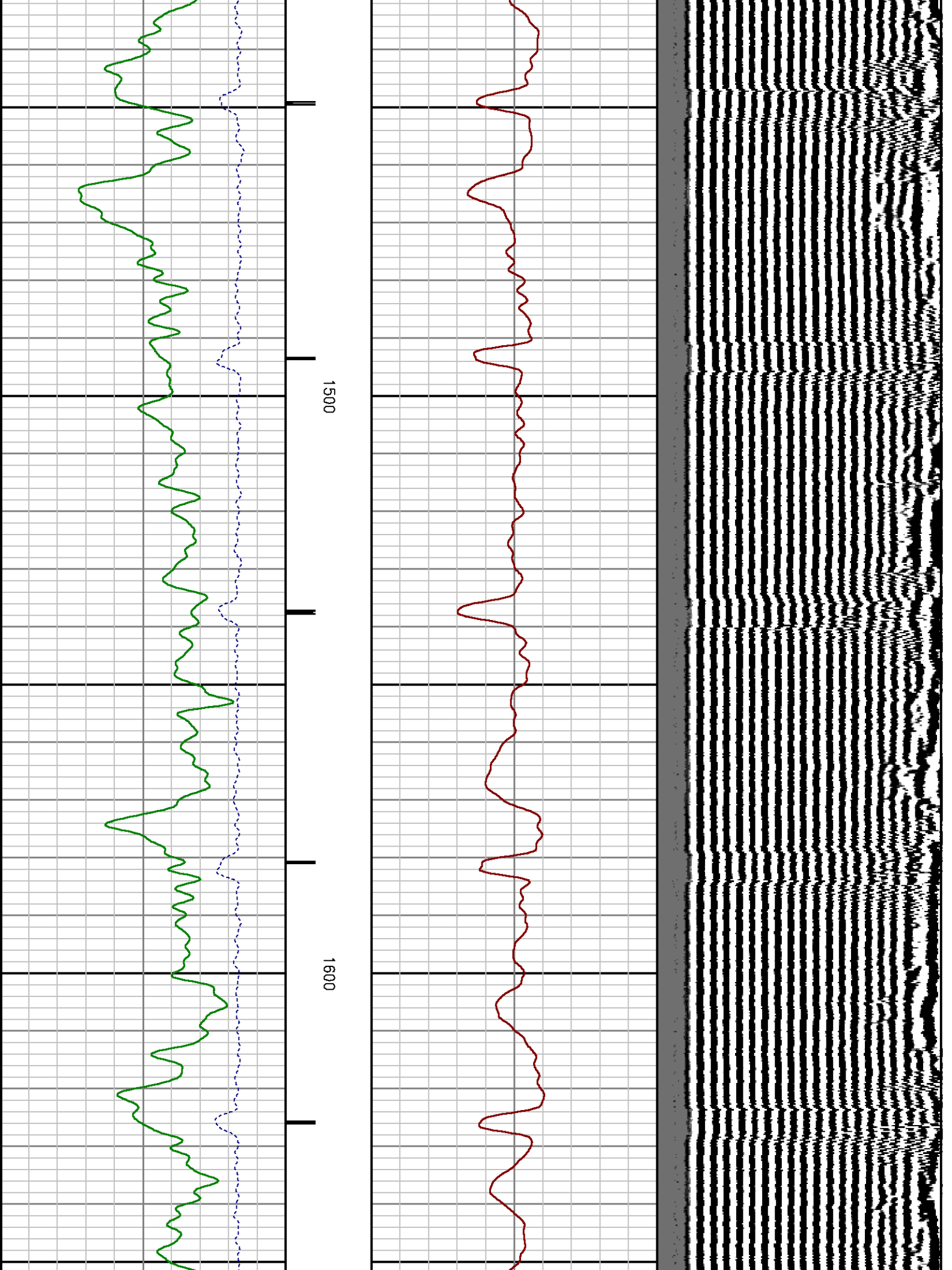


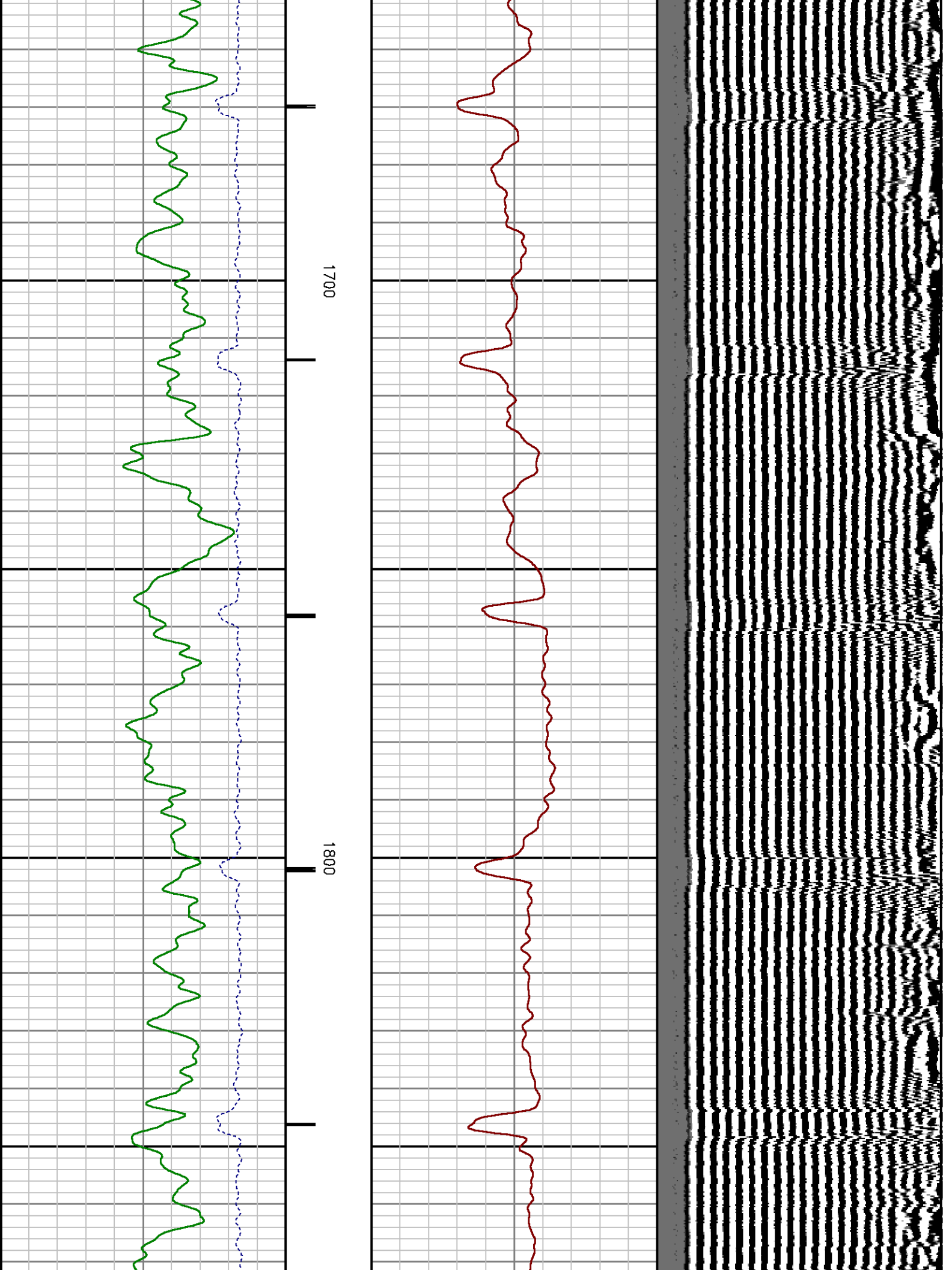


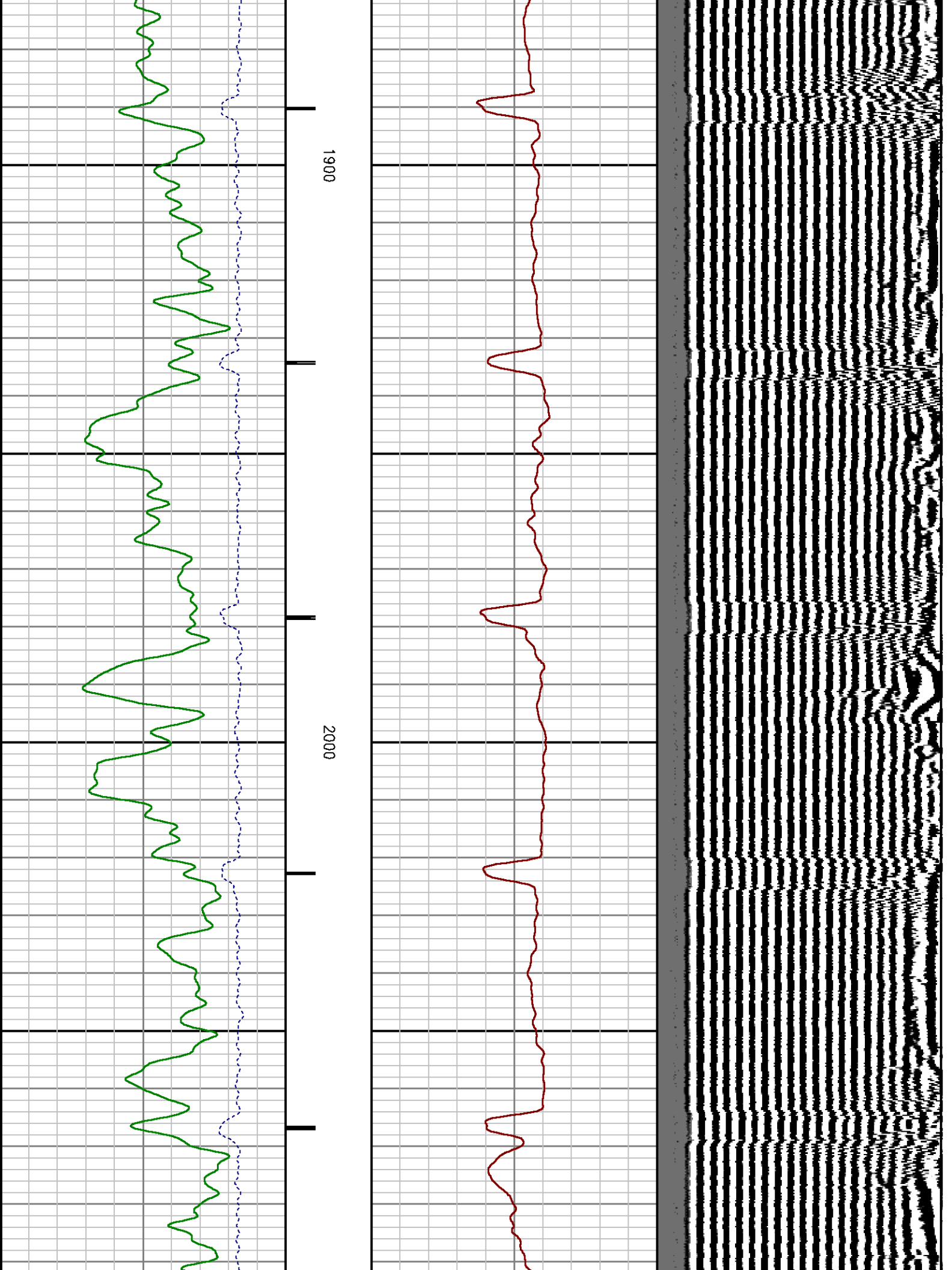


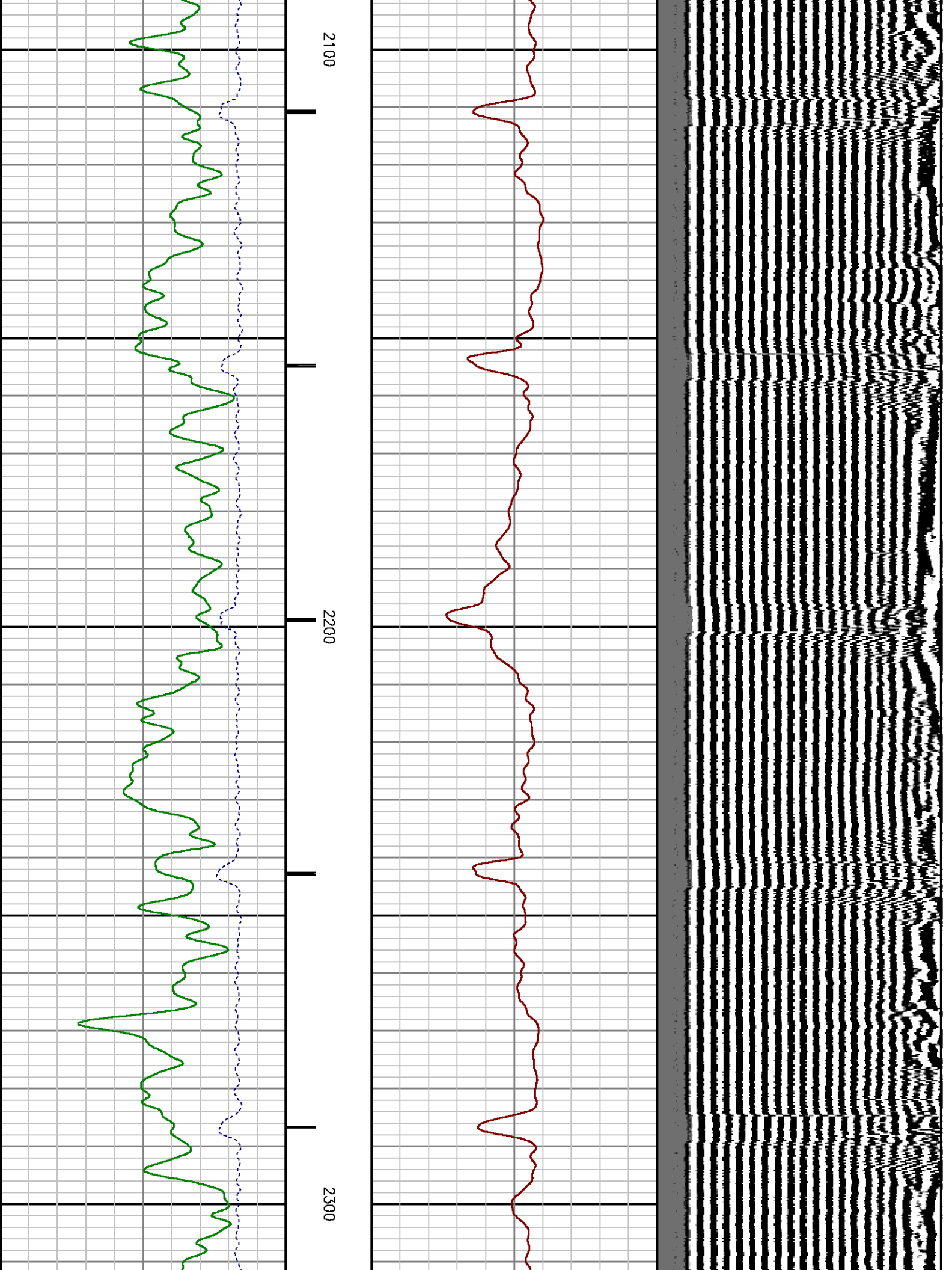


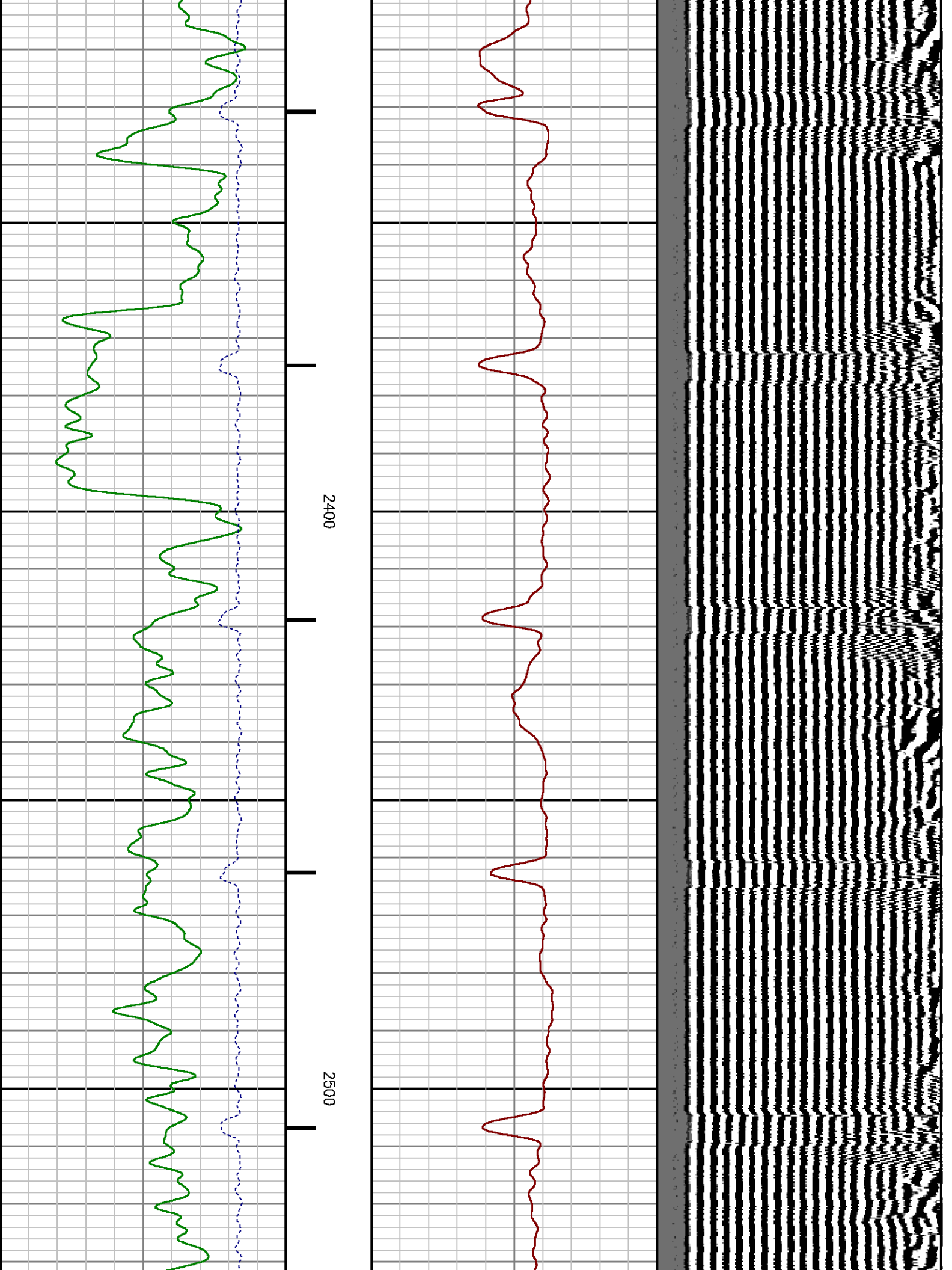


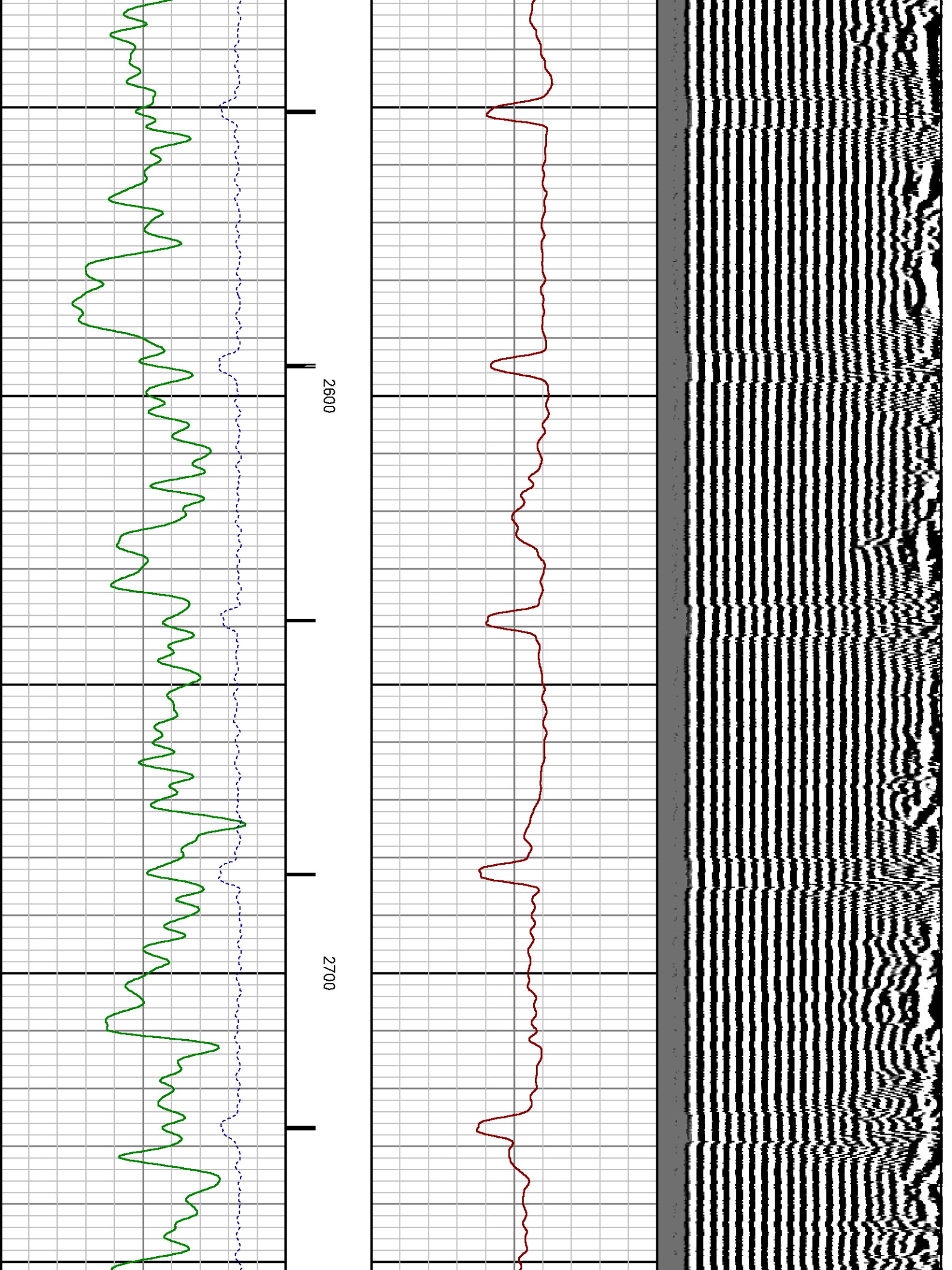


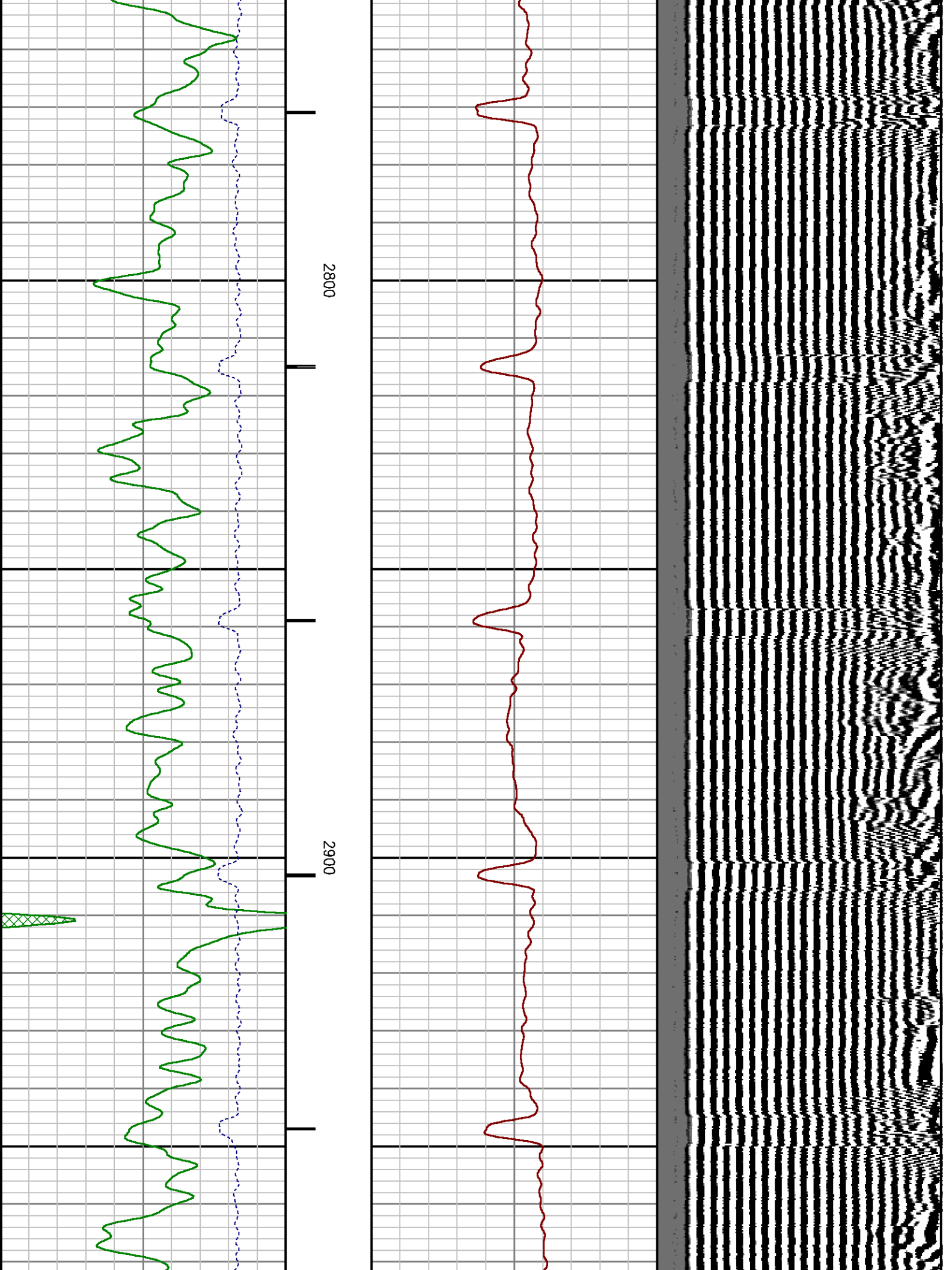


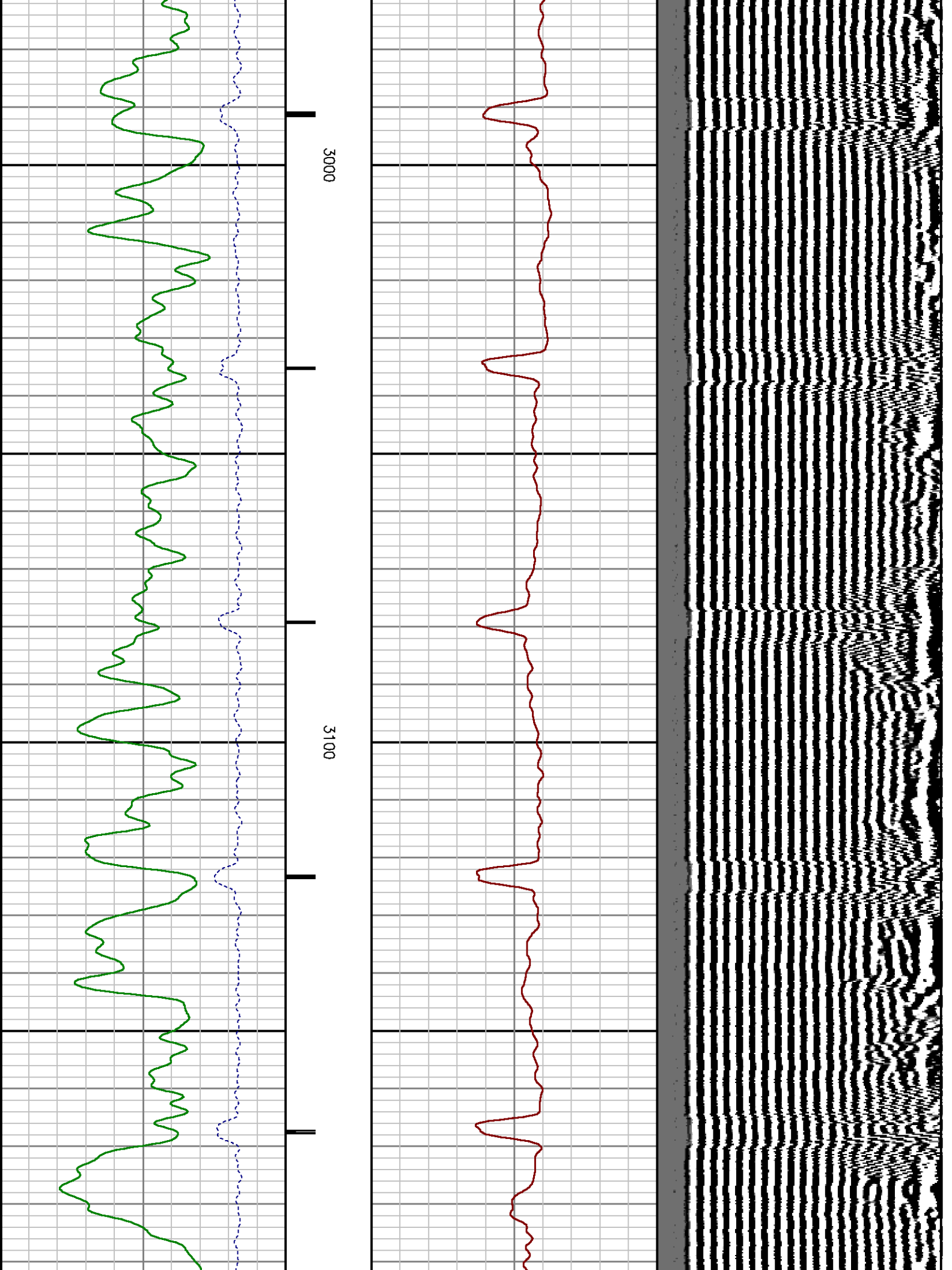


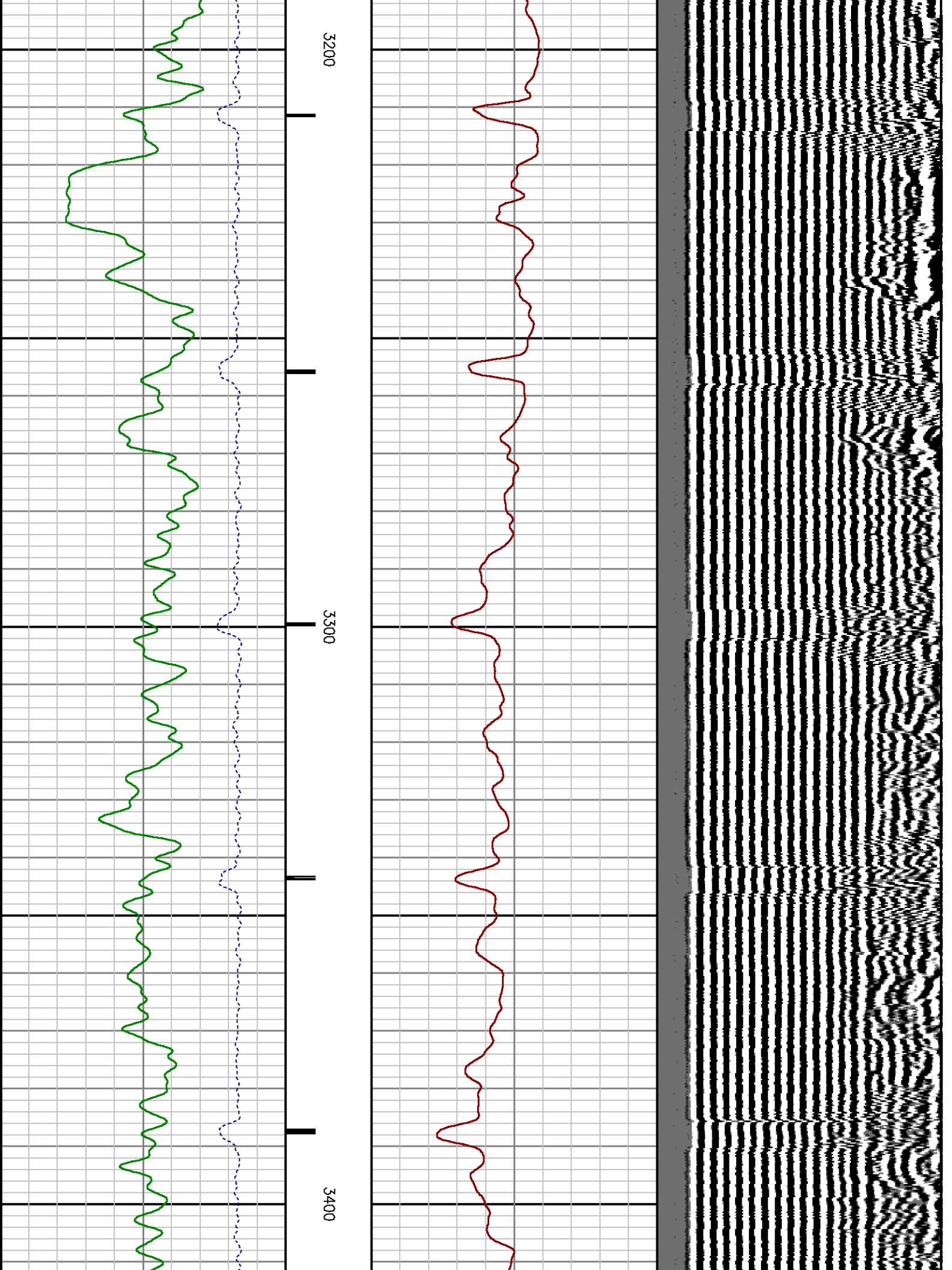


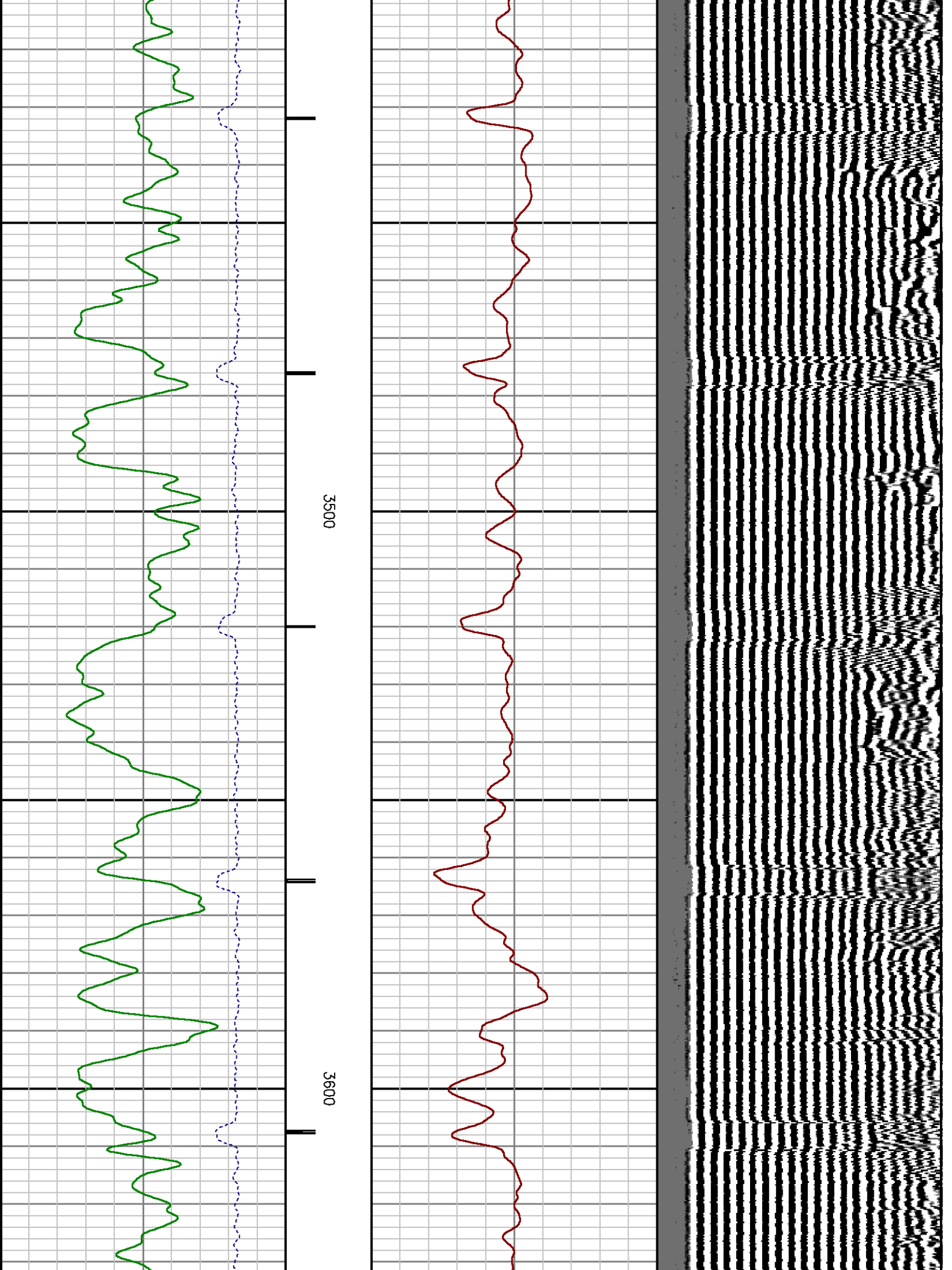


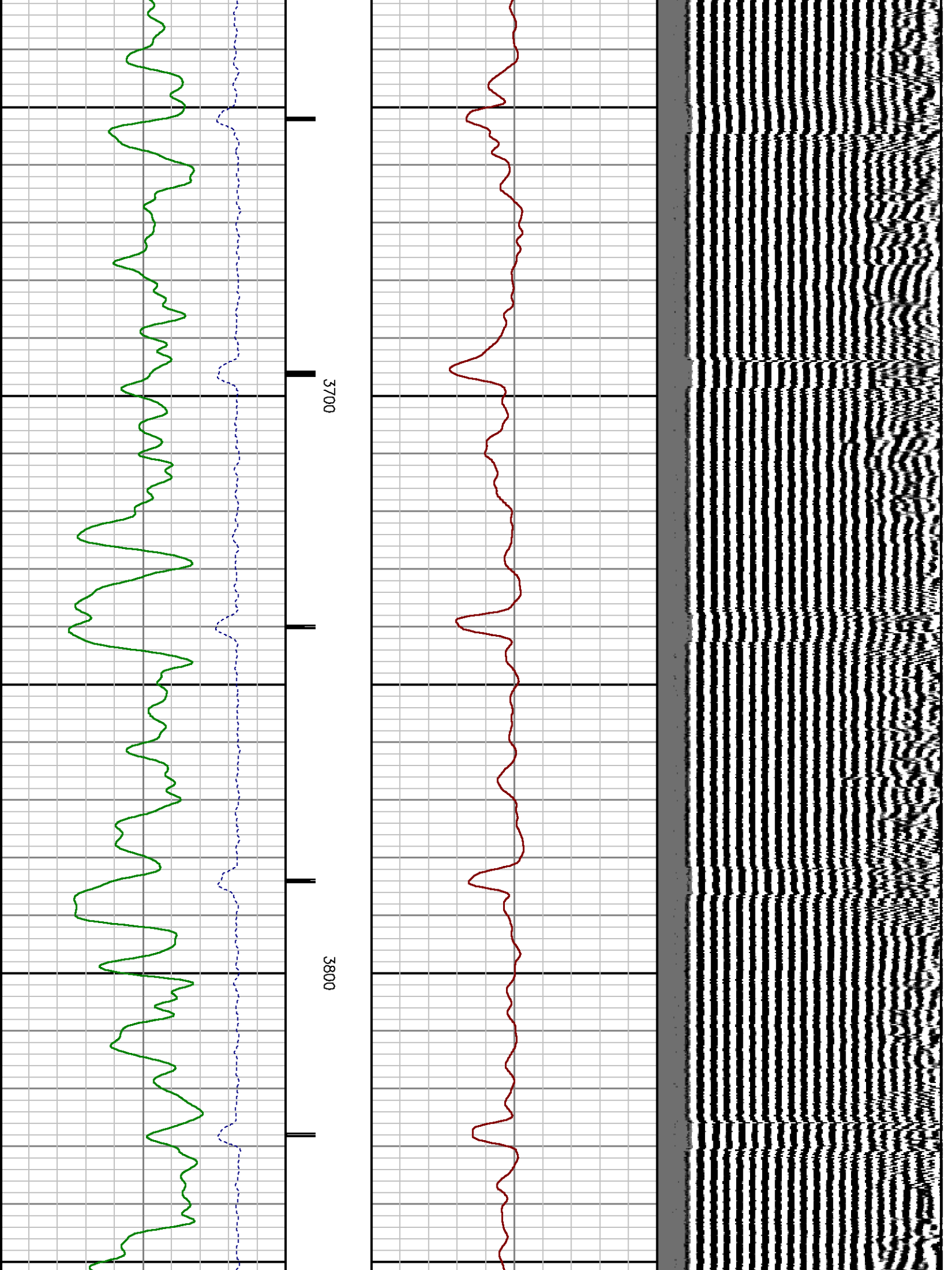


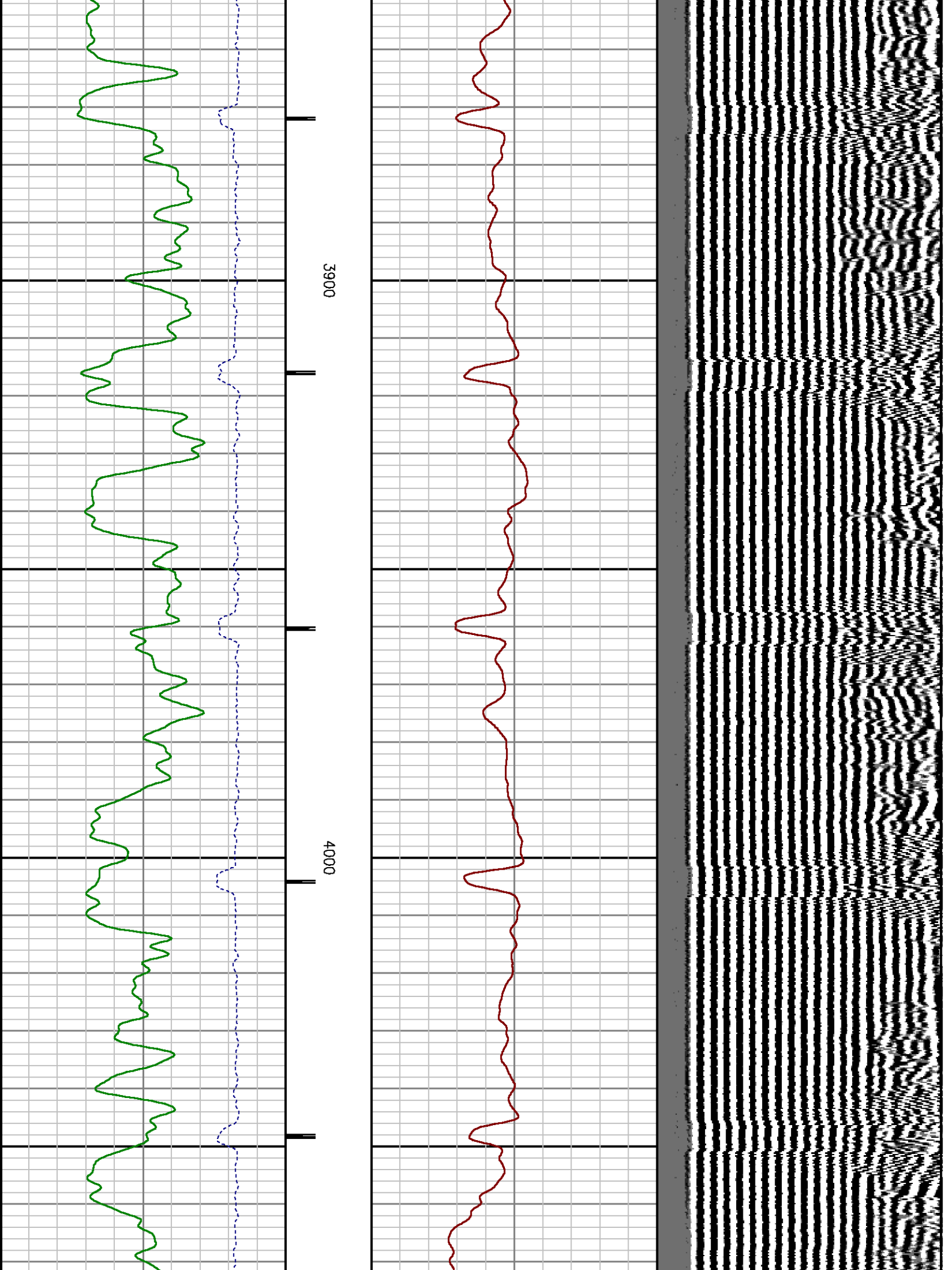


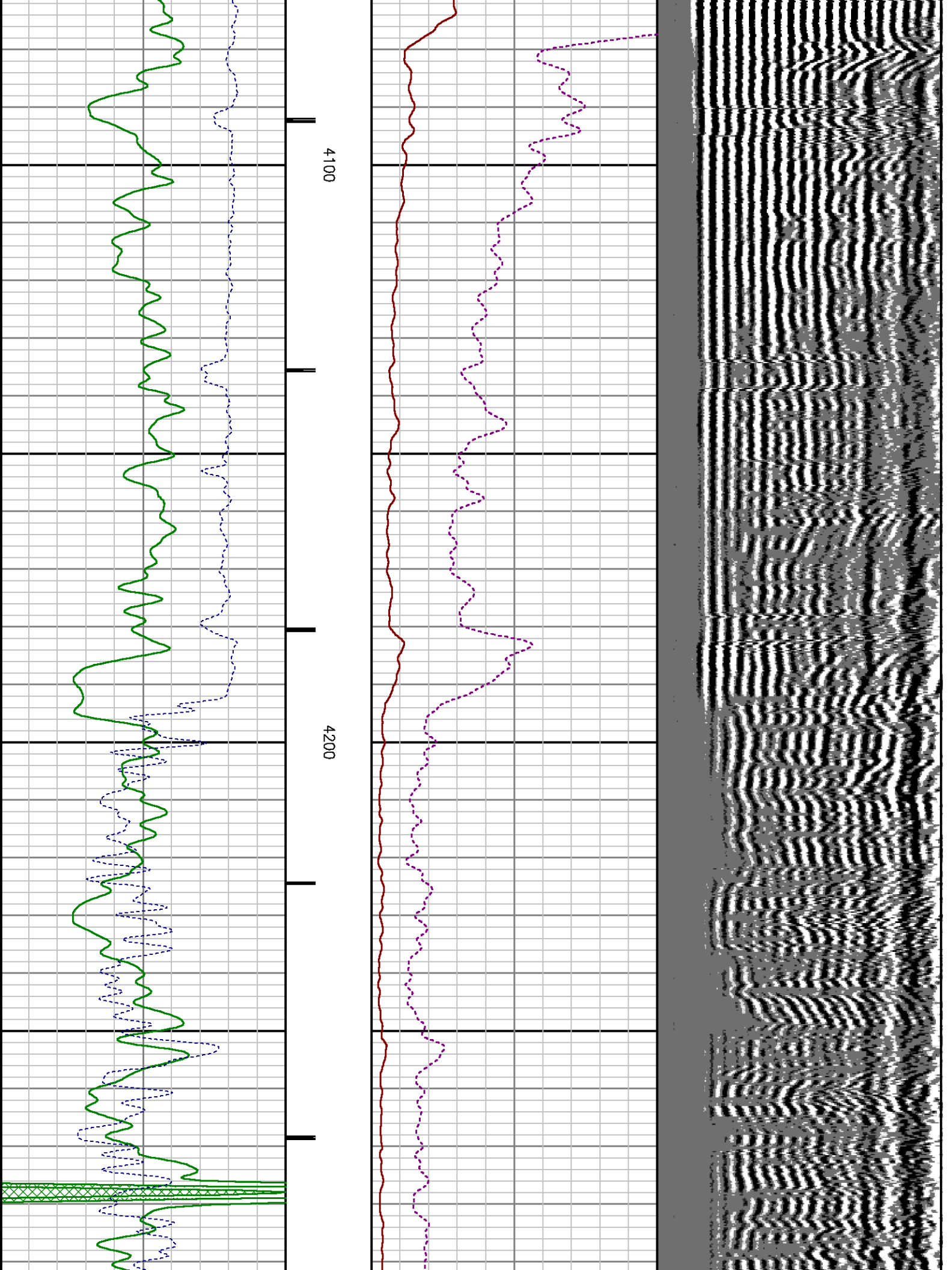


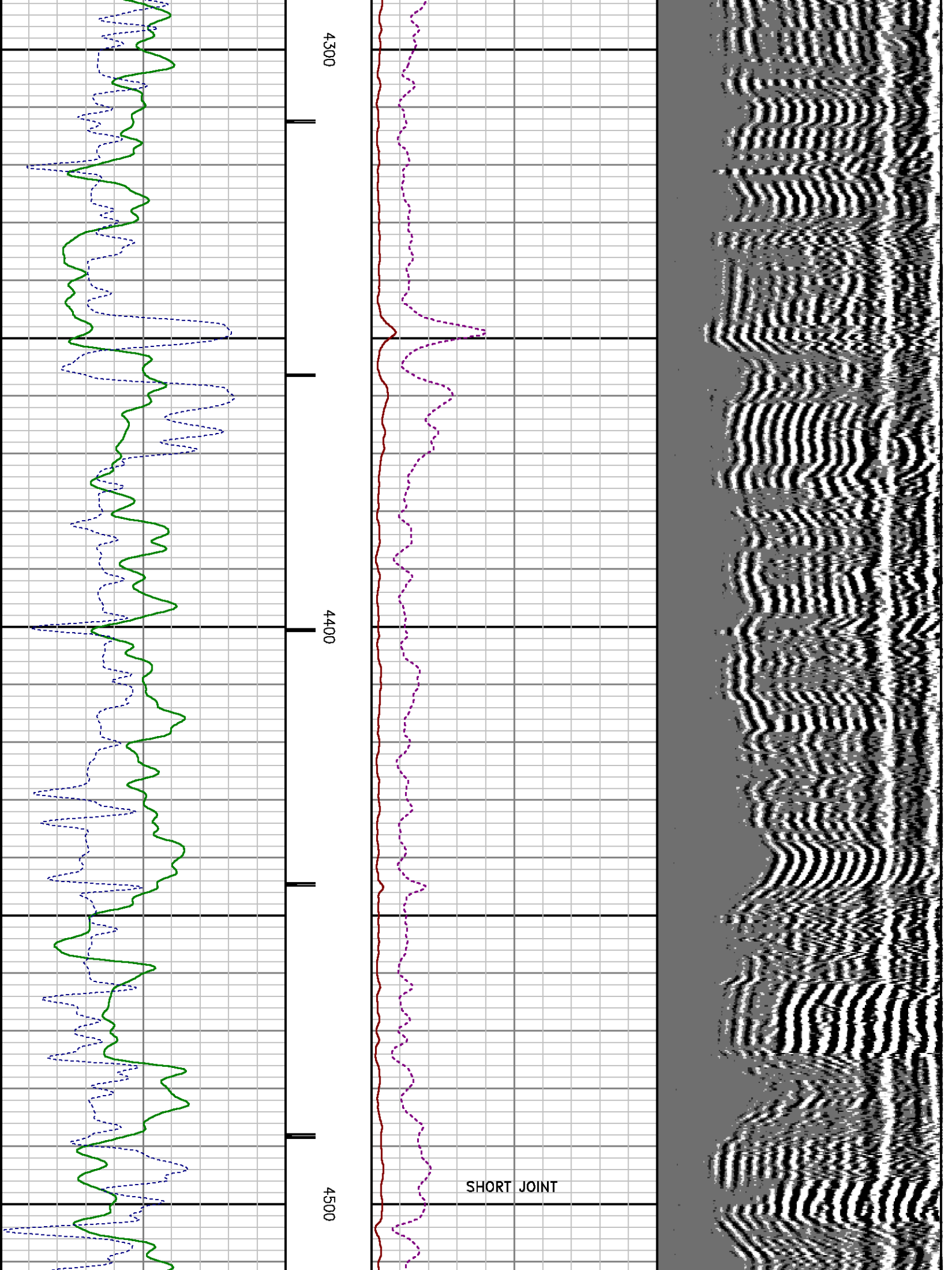


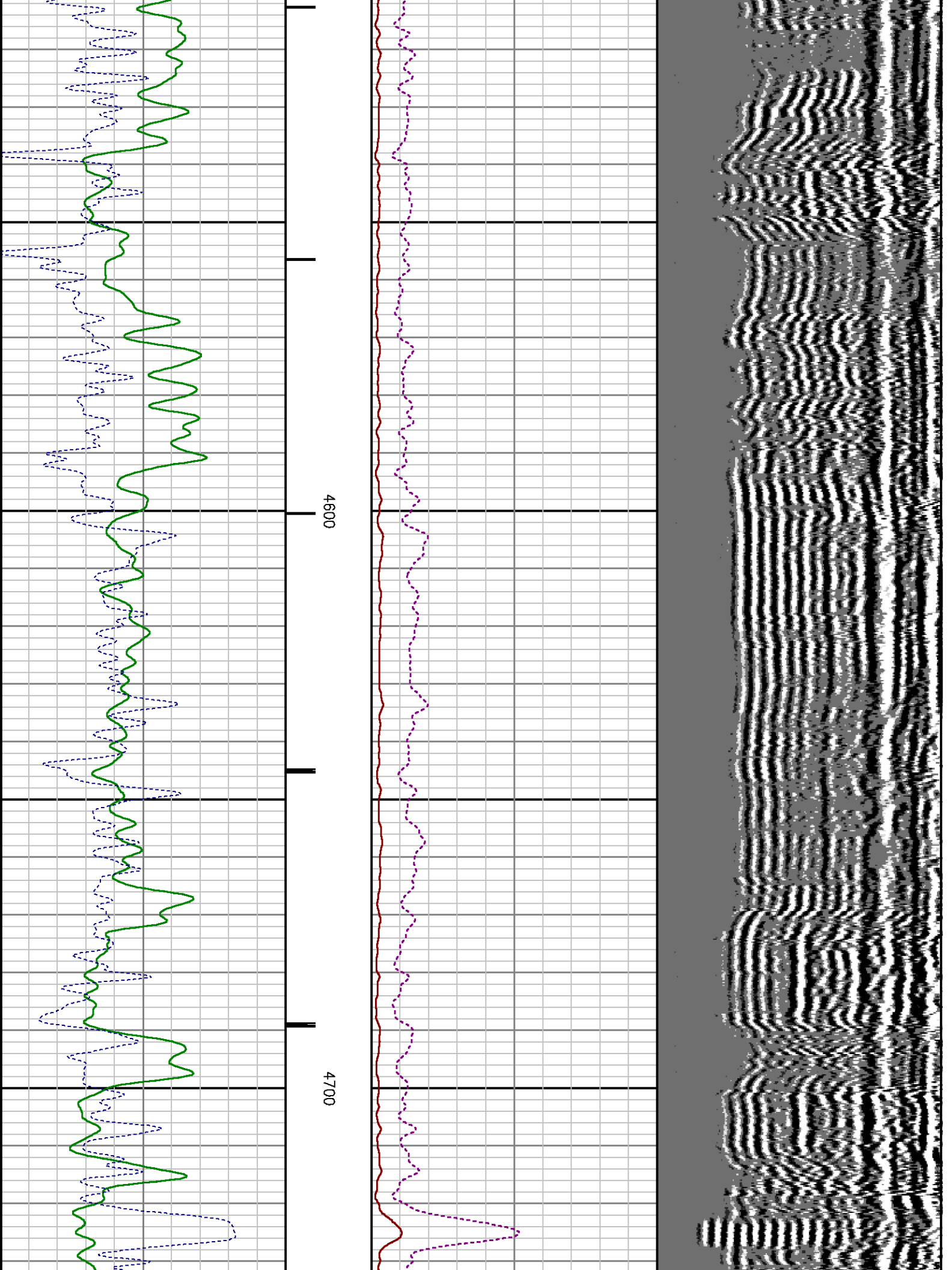


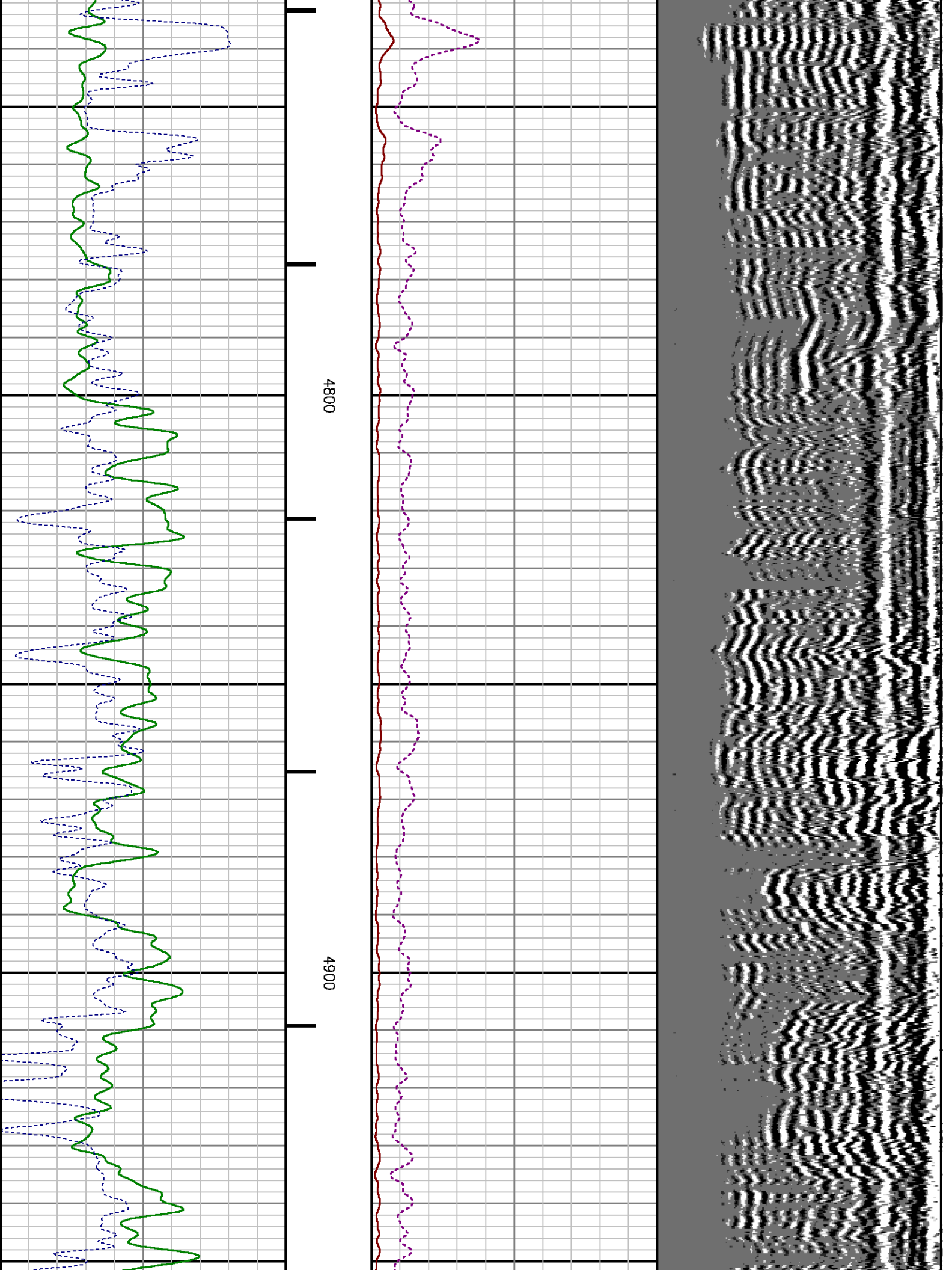


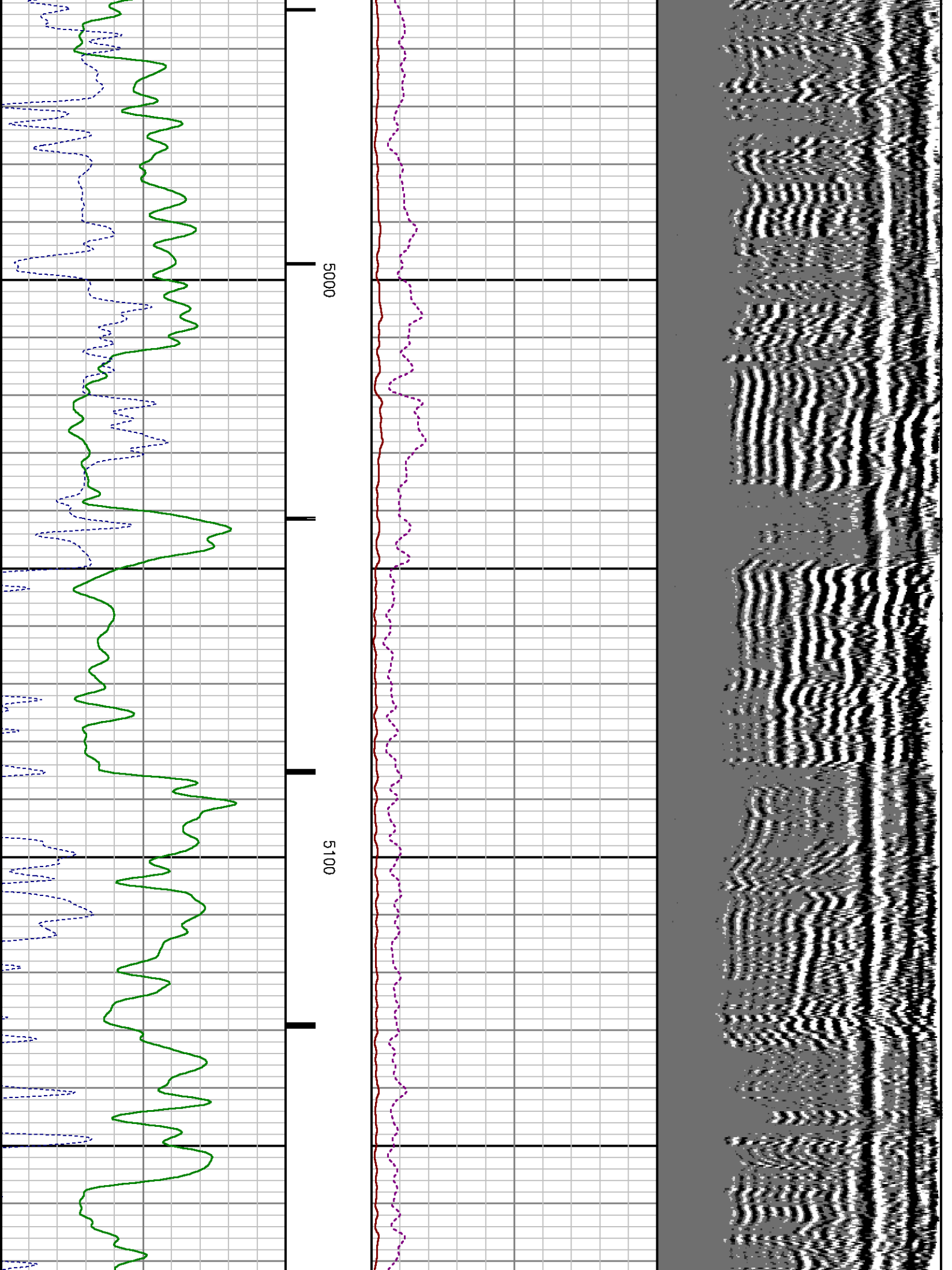


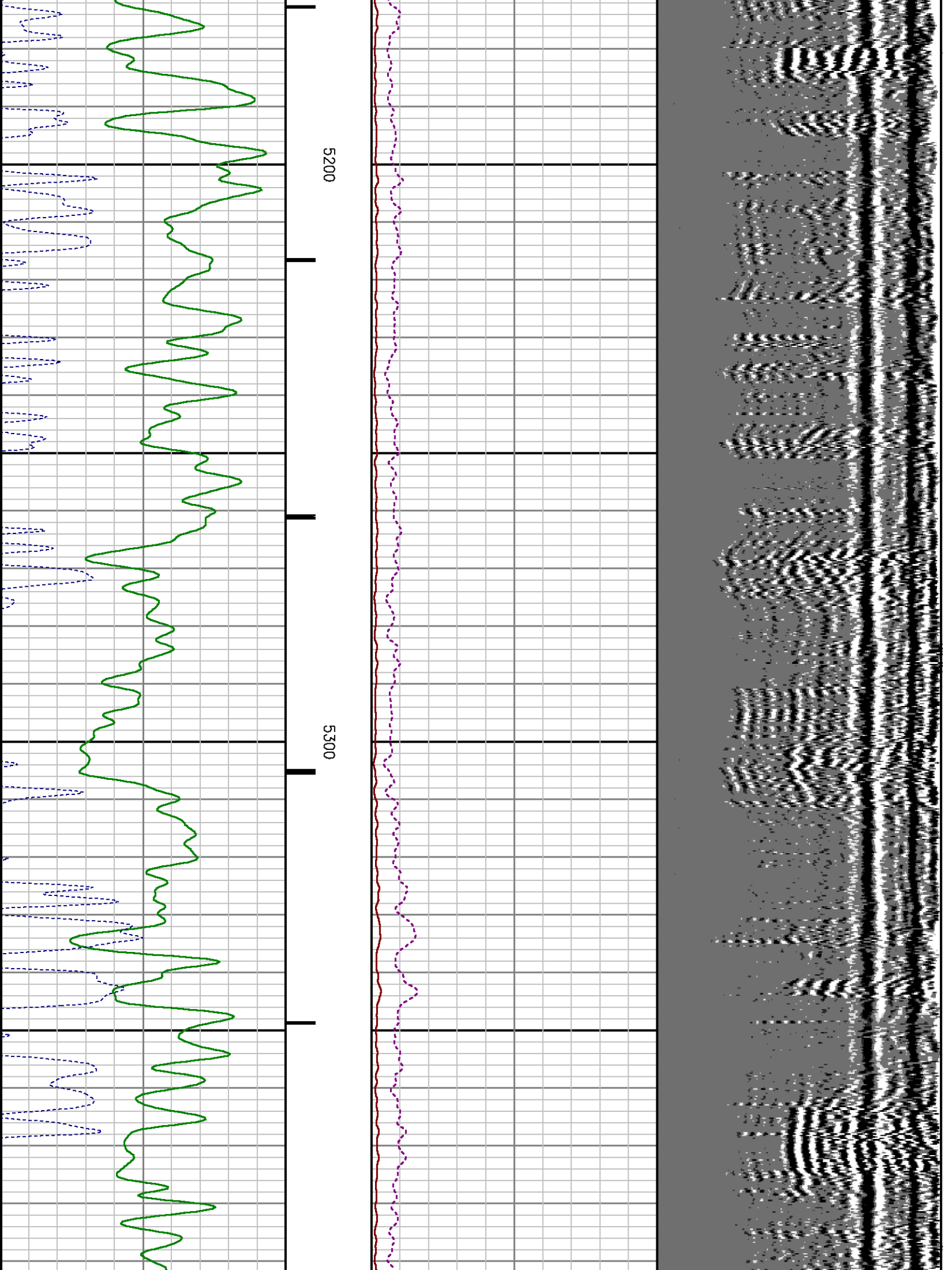


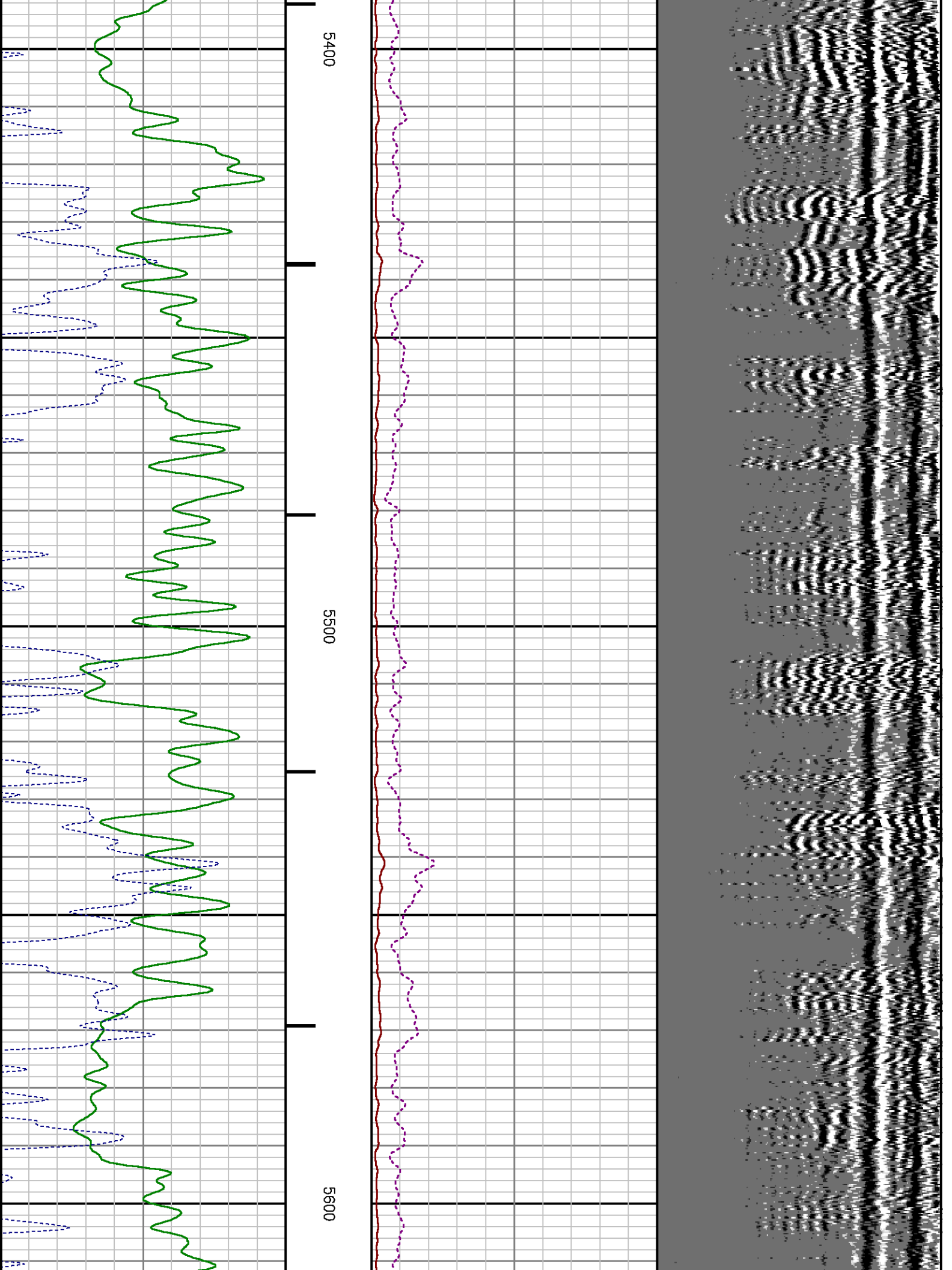


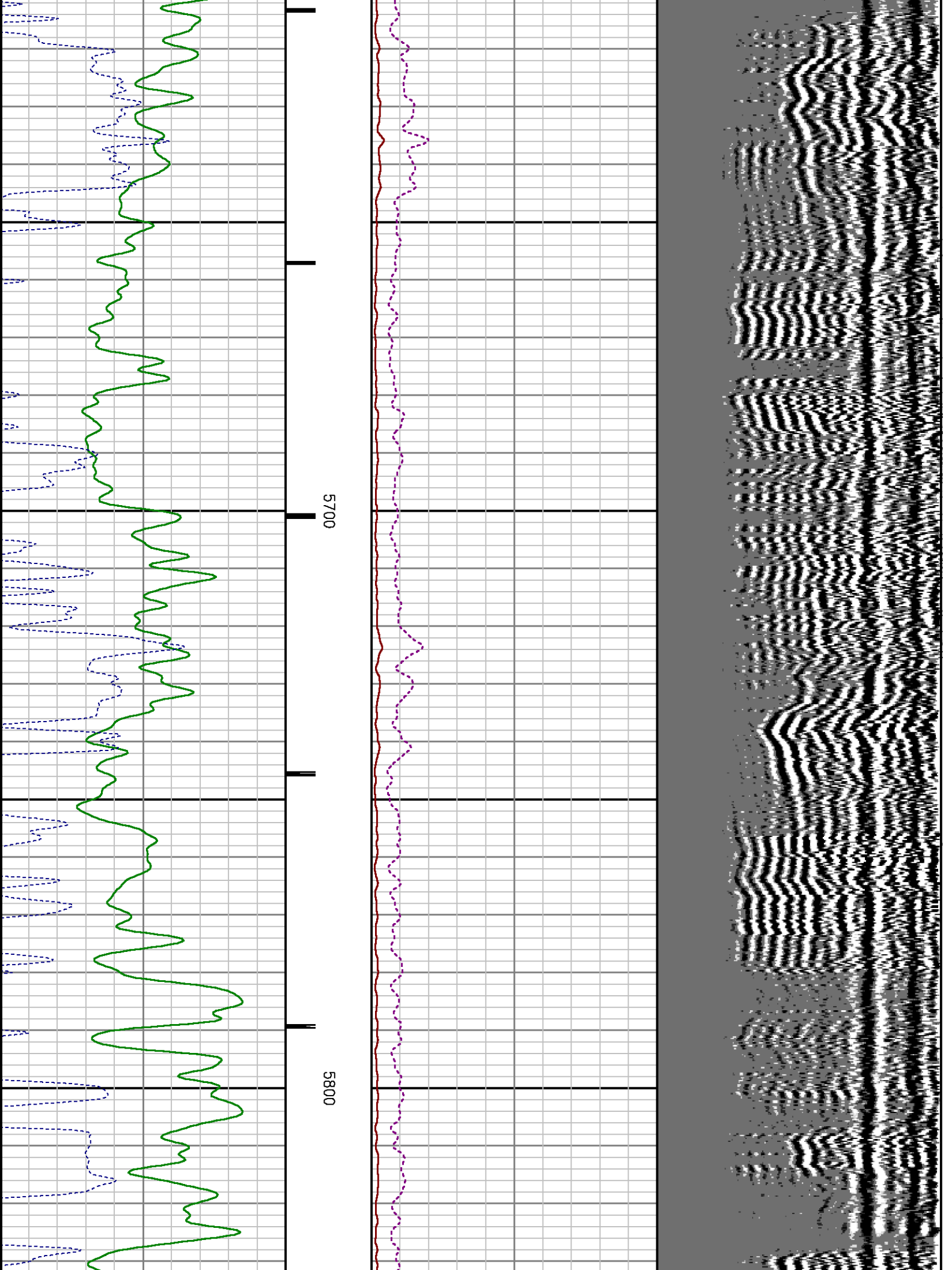


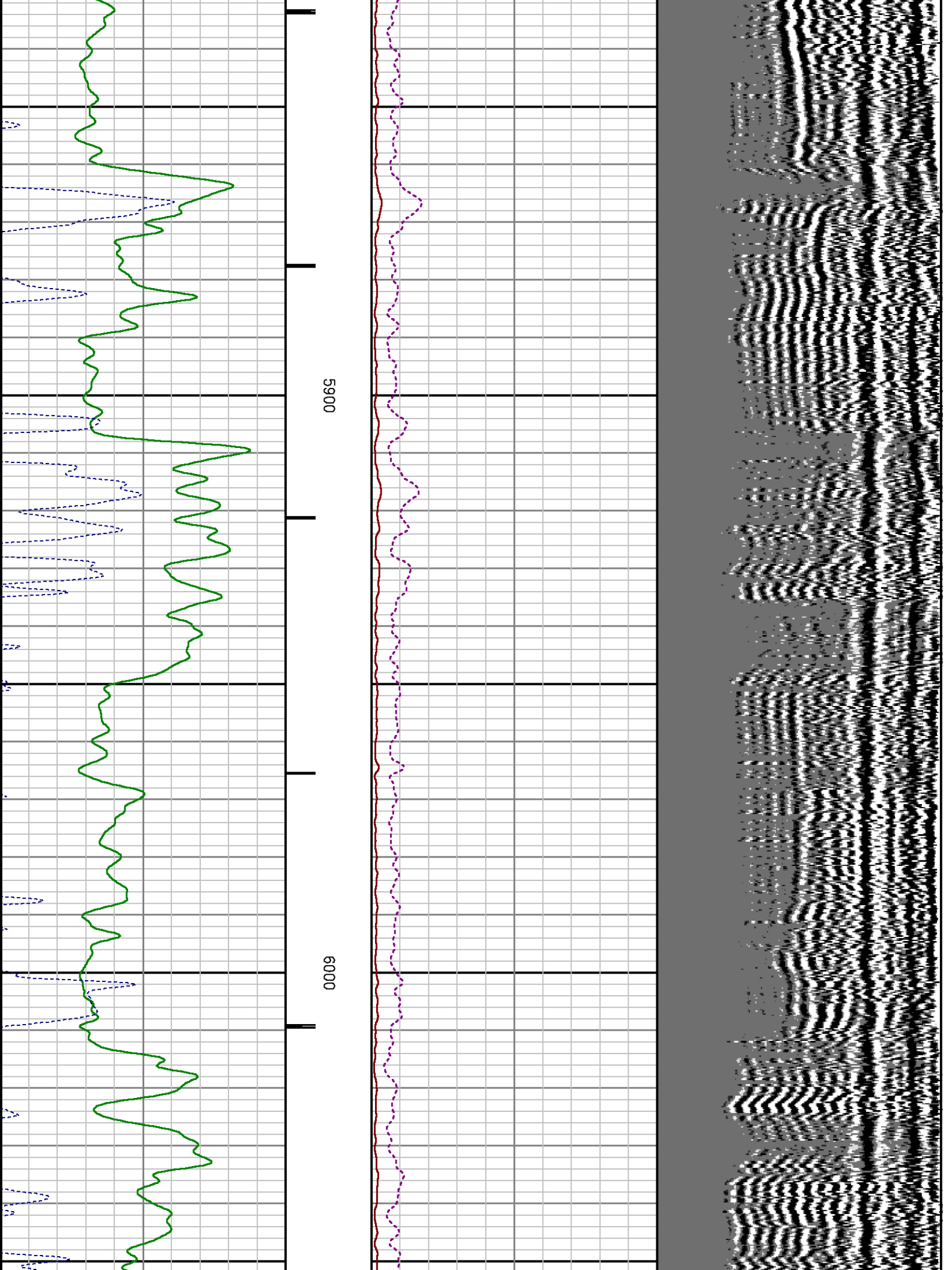


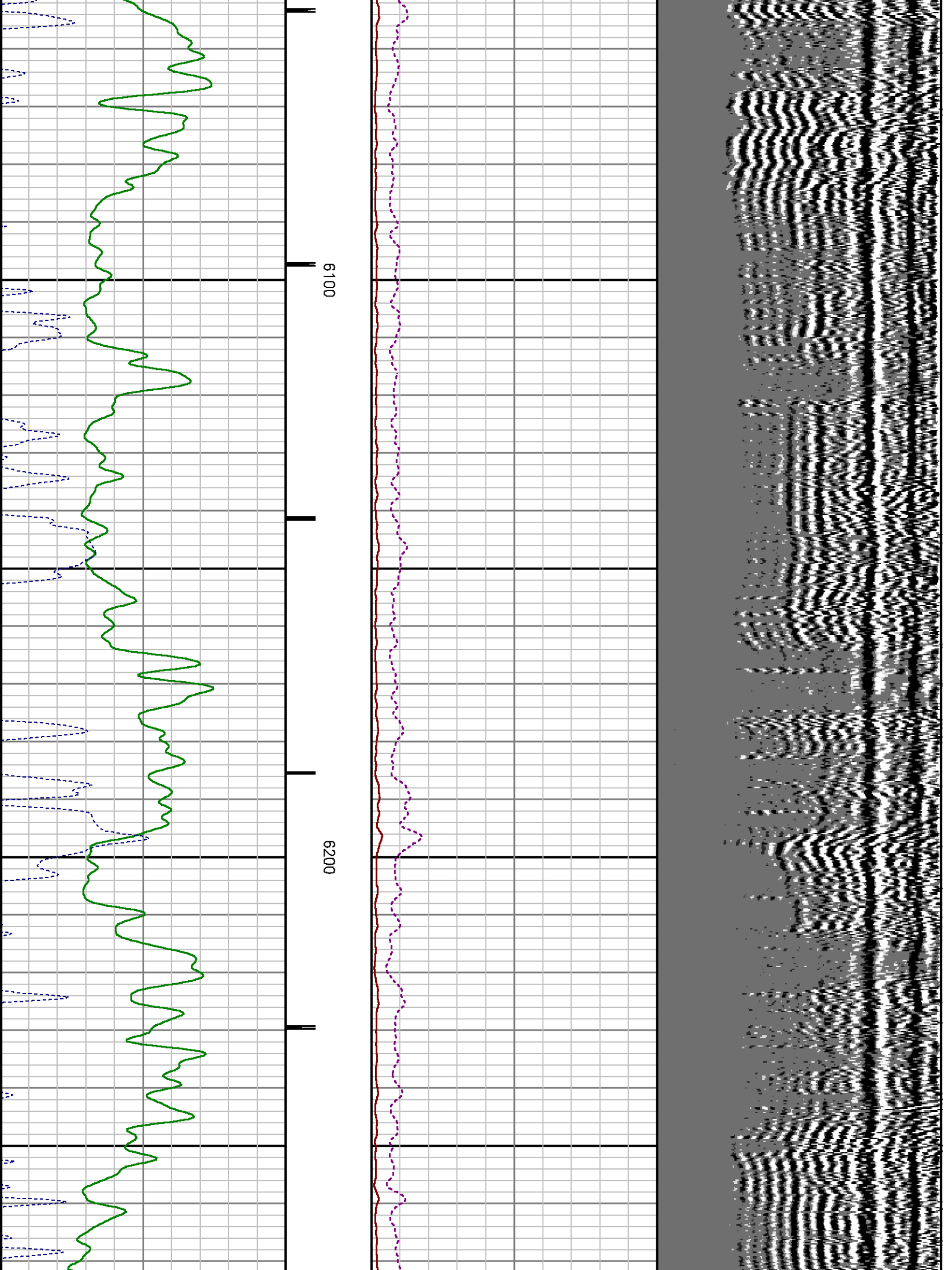


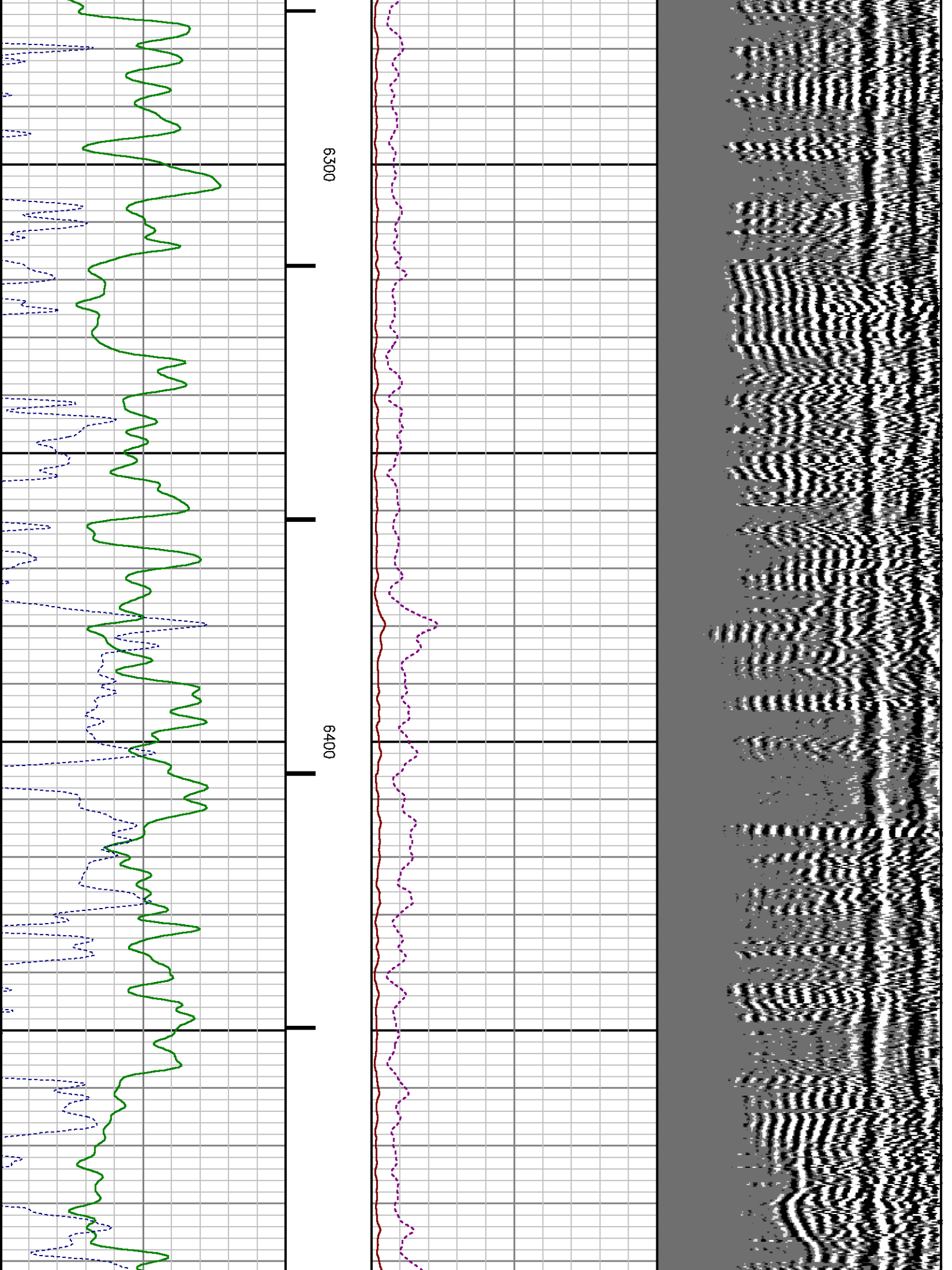


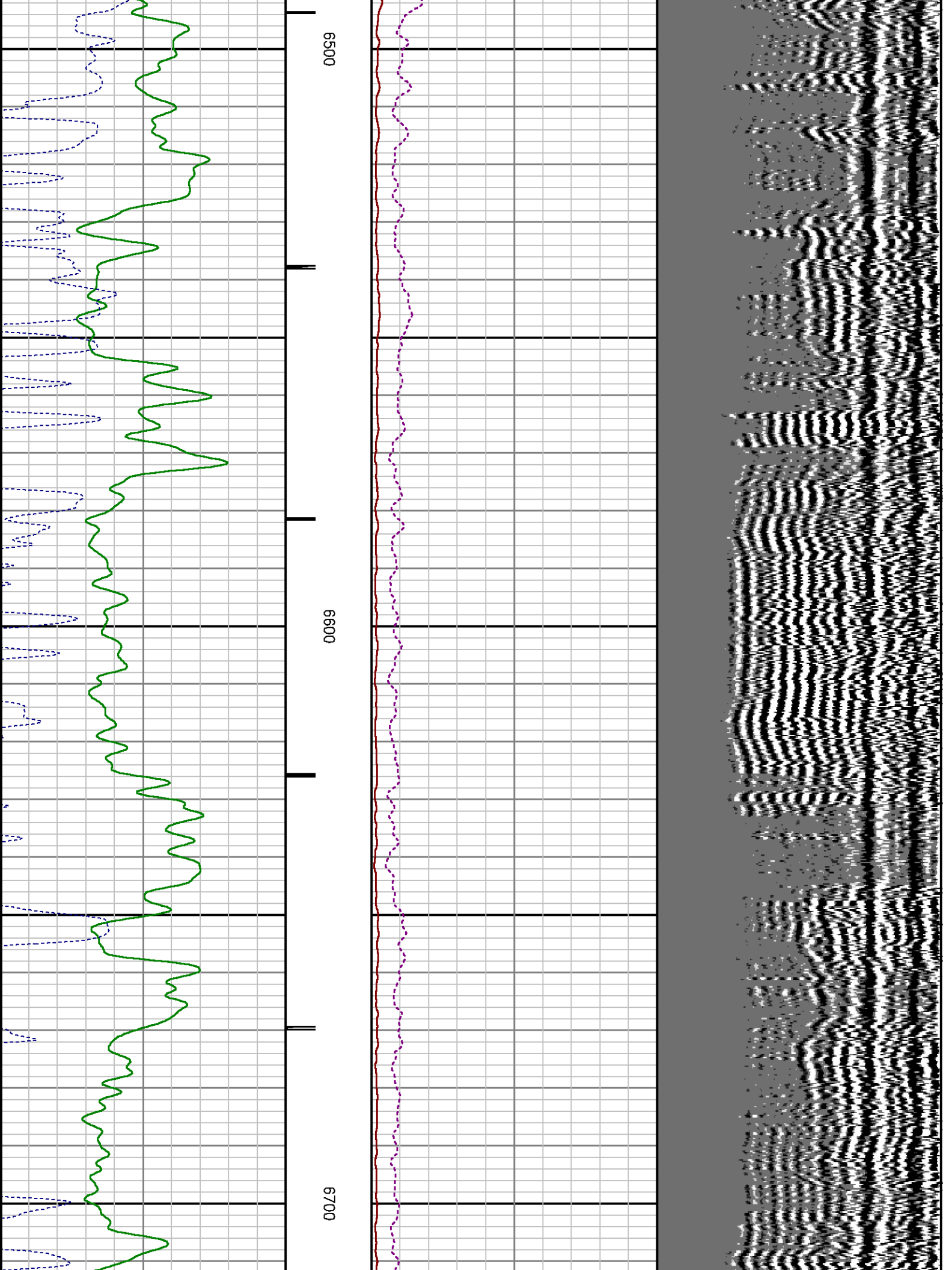


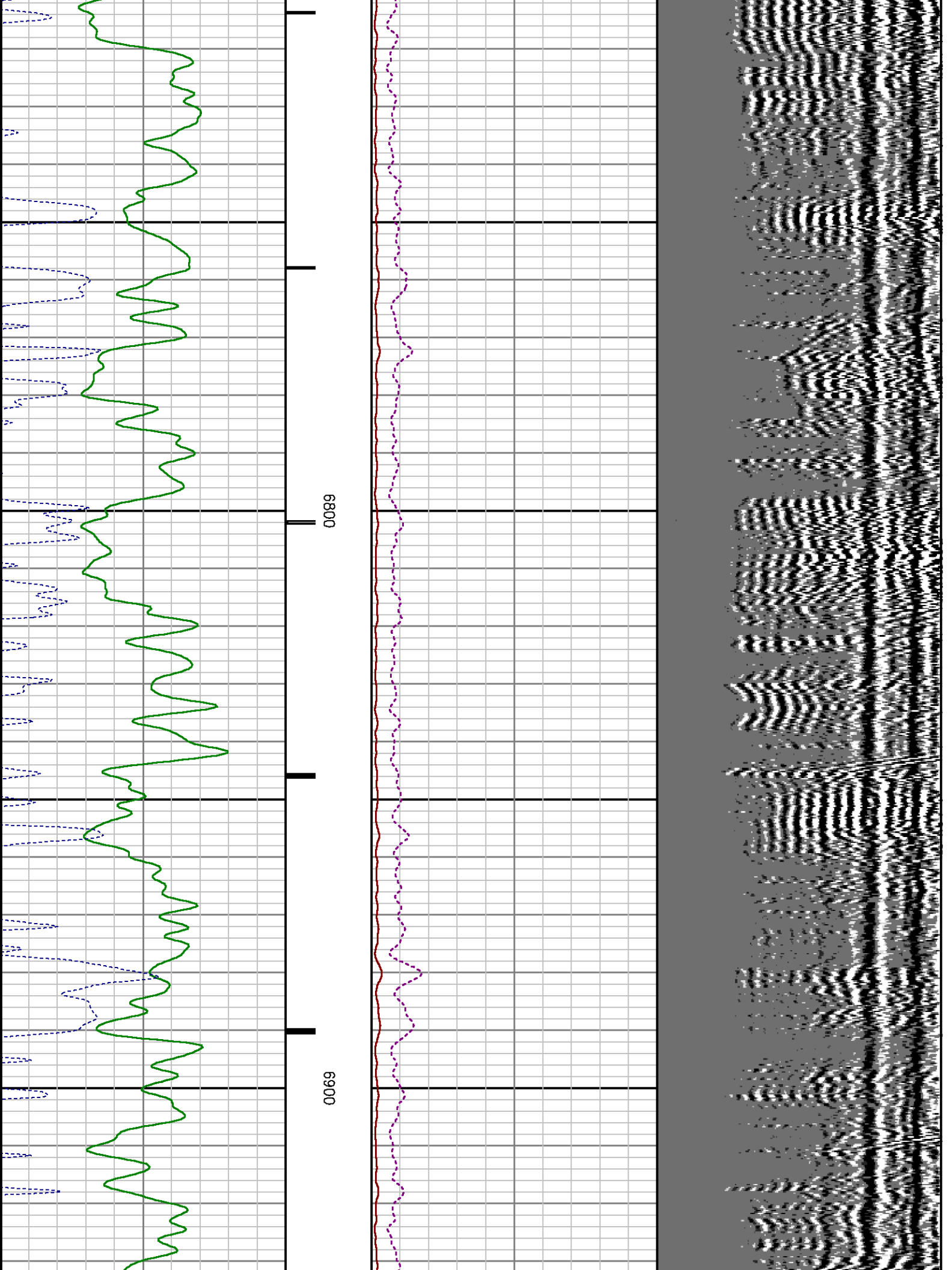


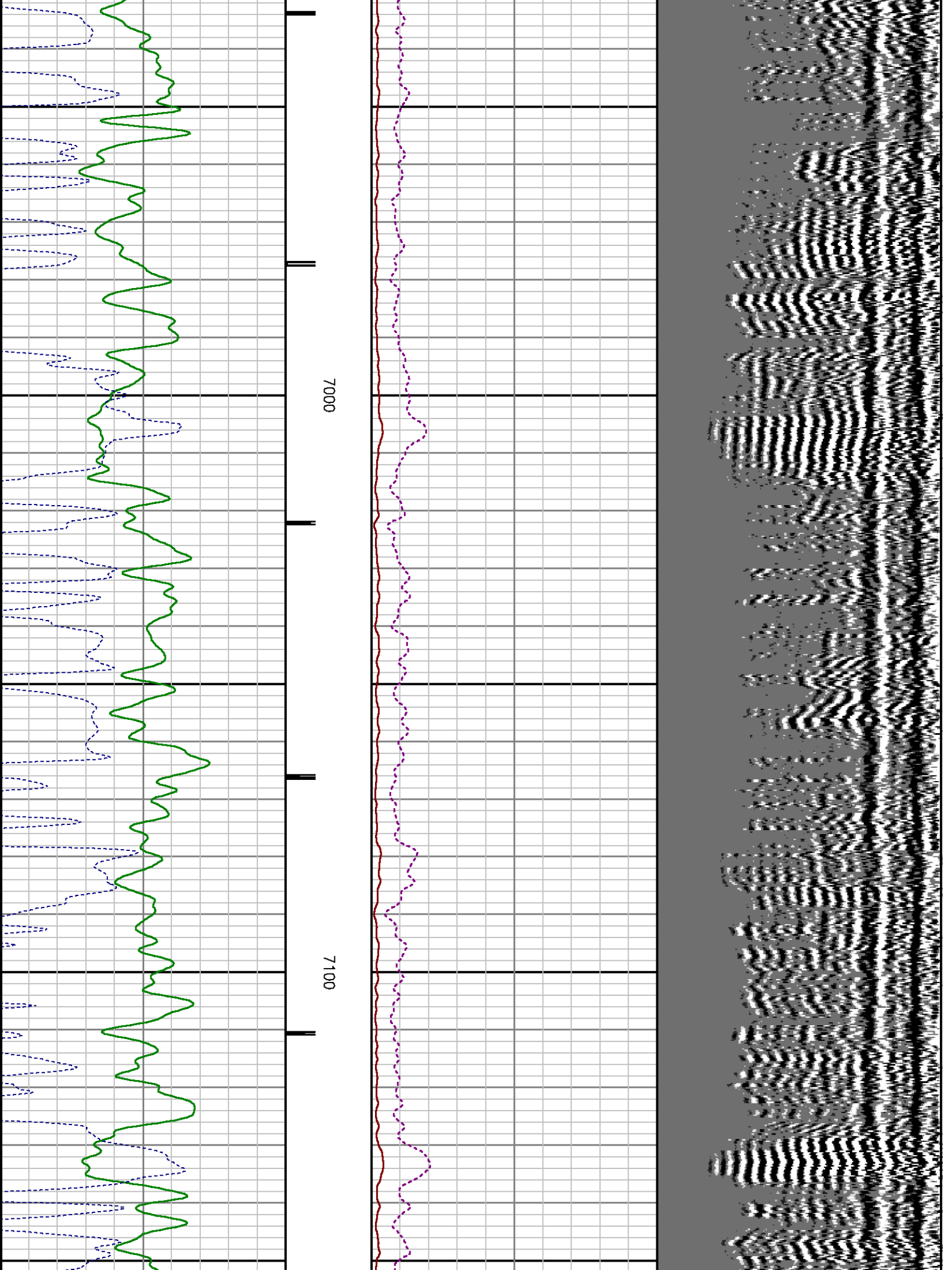


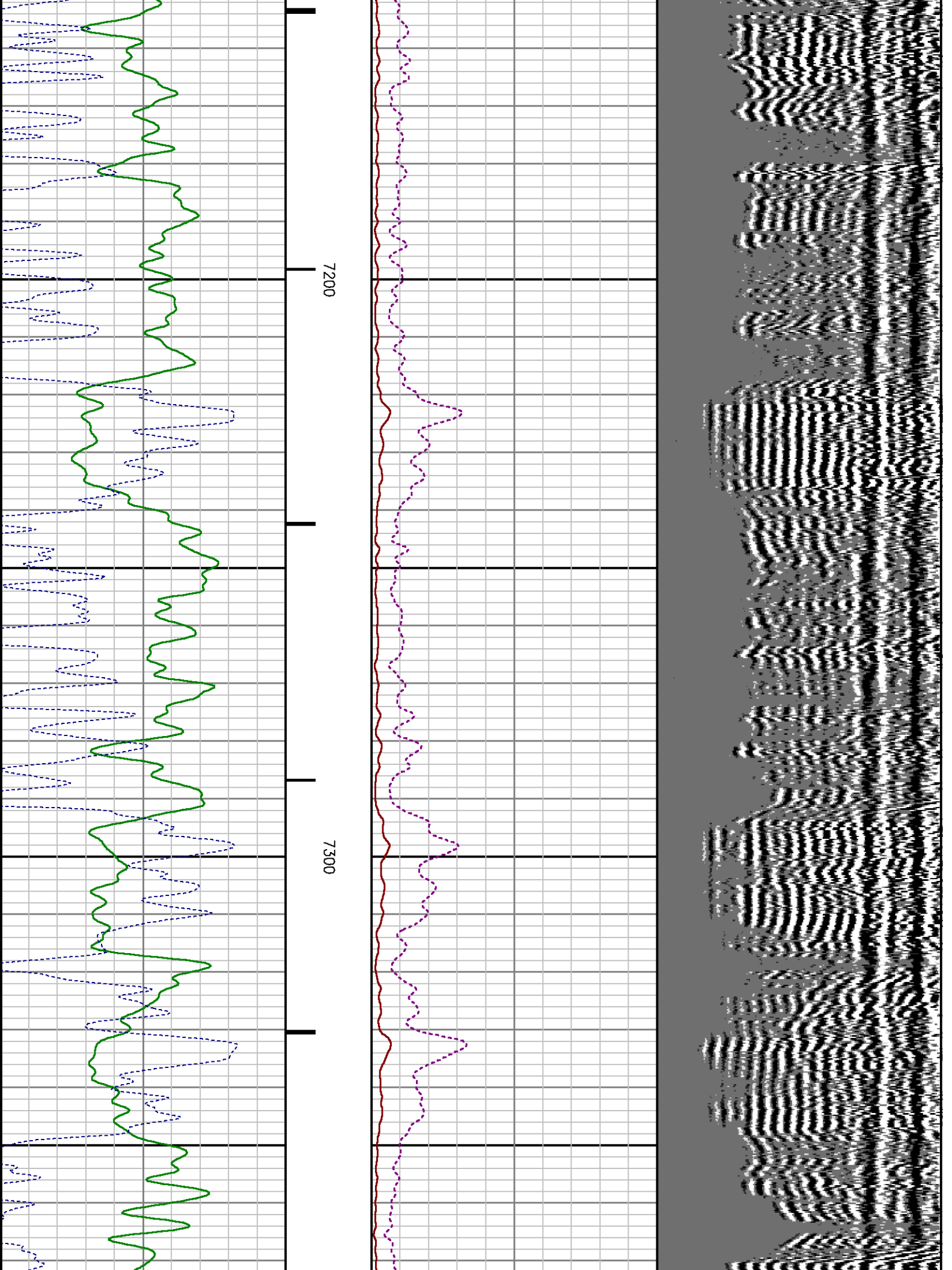


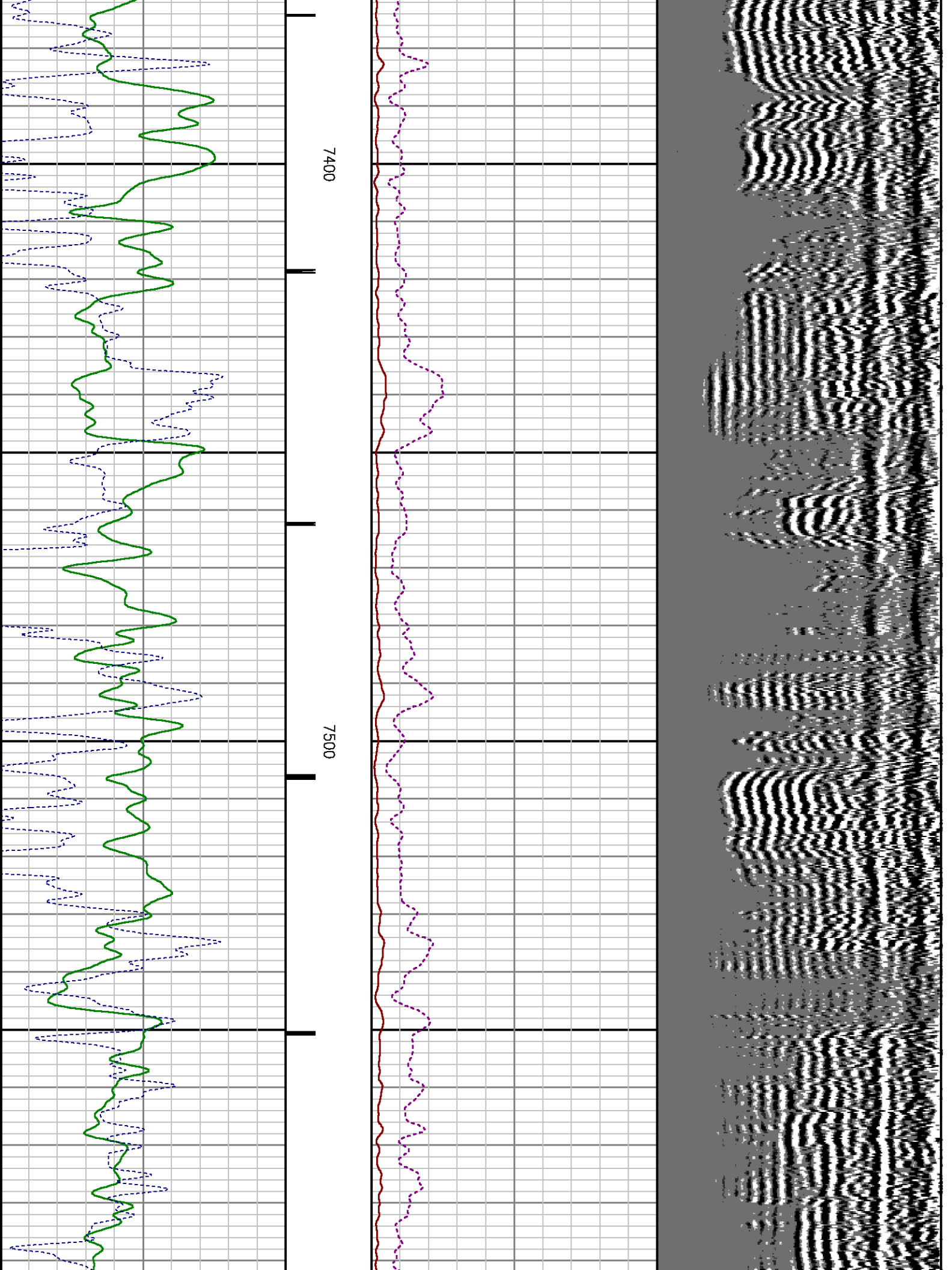


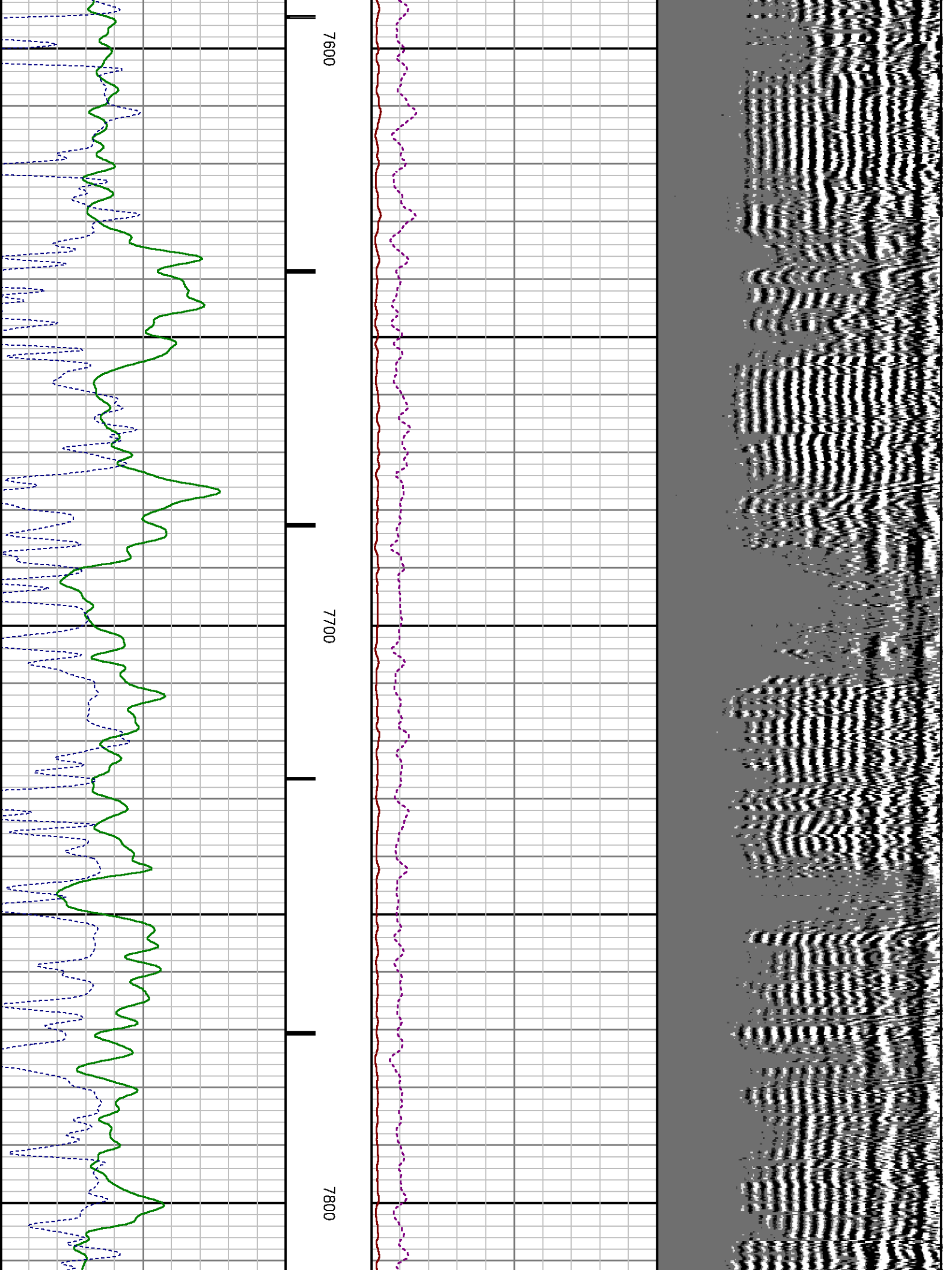


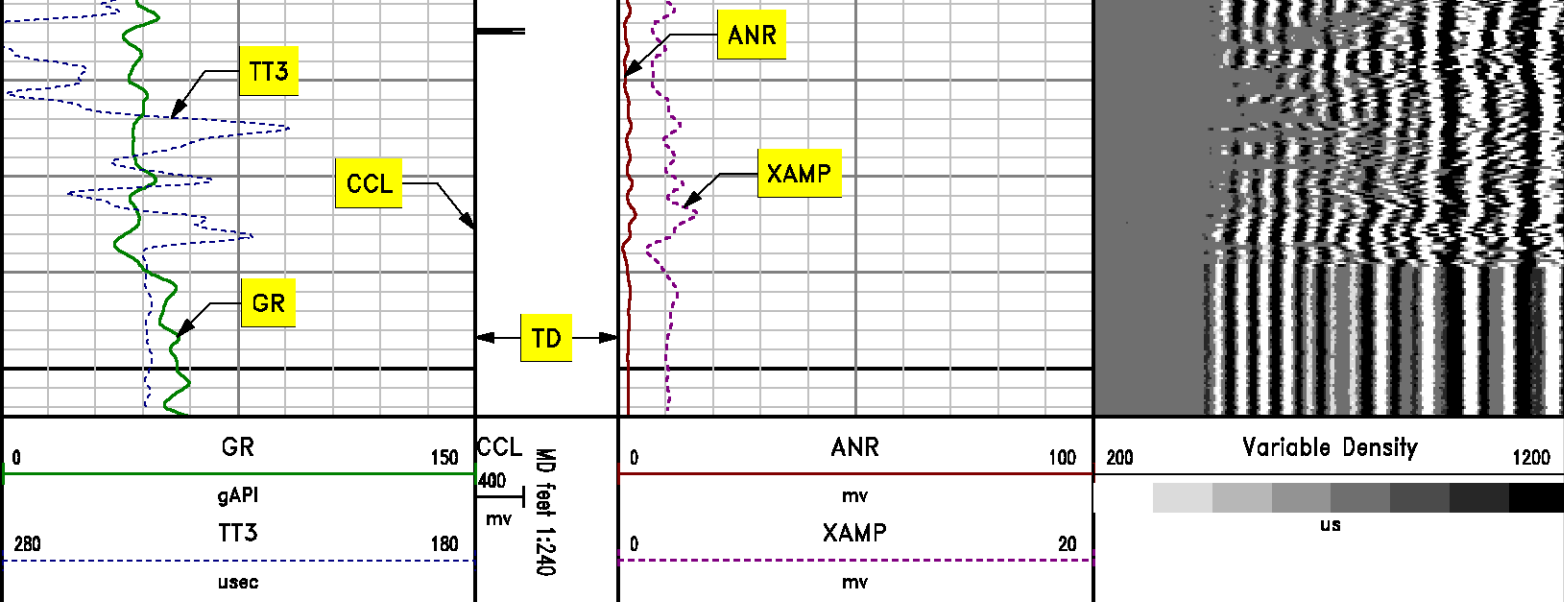












MAIN LOG SECONDARY PRESENTATION *0 PSI*

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	328.118	usec	28.312	7866.250
RAL	Amp Gate Start Near	197.374	usec	28.312	7866.250
RAL	Amp Gate Start Radial	198.578	usec	28.312	7866.250
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RAL	FB Thresh Radial	4.000	mv	28.312	7866.250
RAL	Fluid Travel Time	200.000	usec/ft	28.312	7866.187

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-10.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

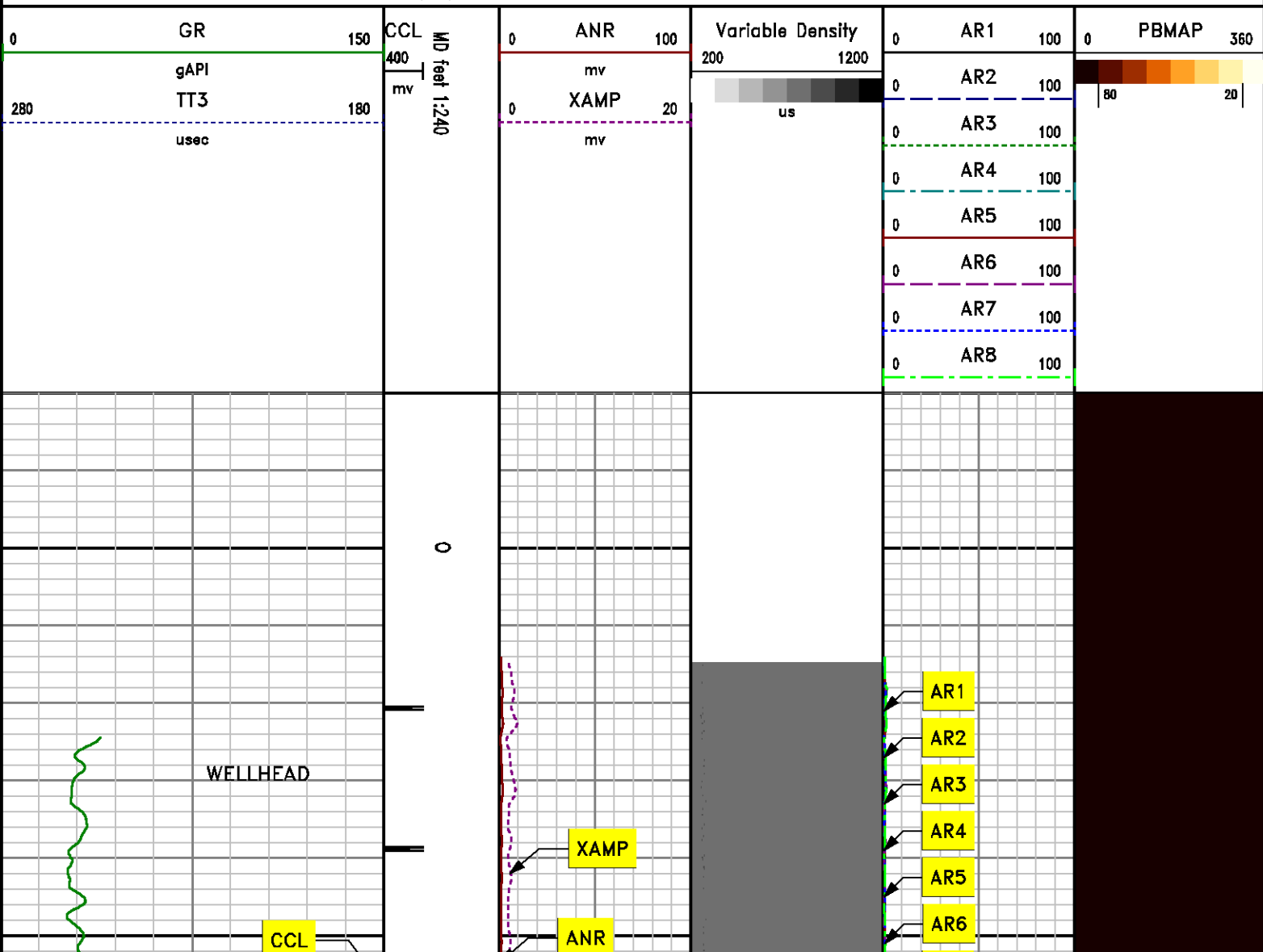
Well : GOLDSBOROUGH PA 412-11

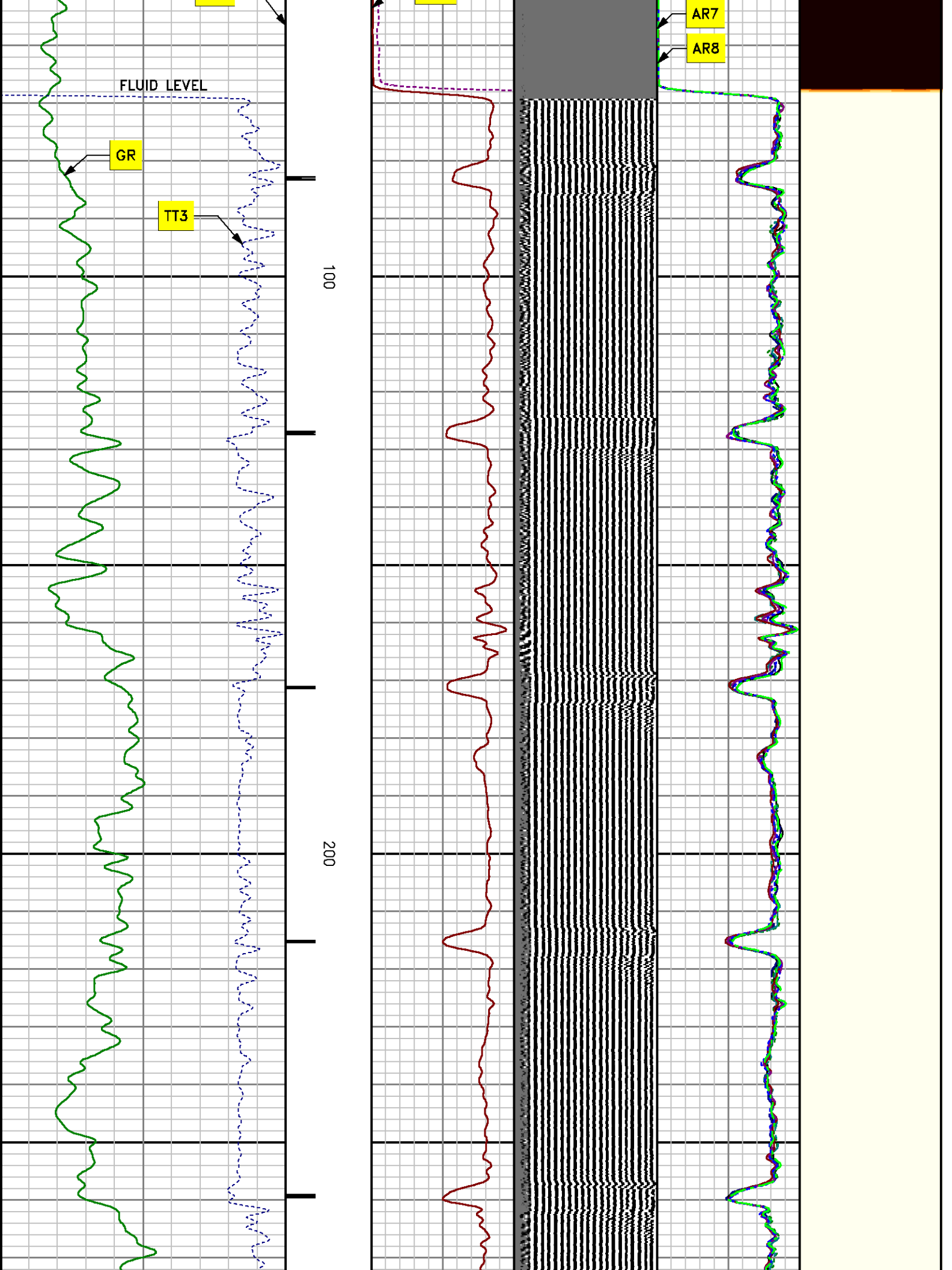
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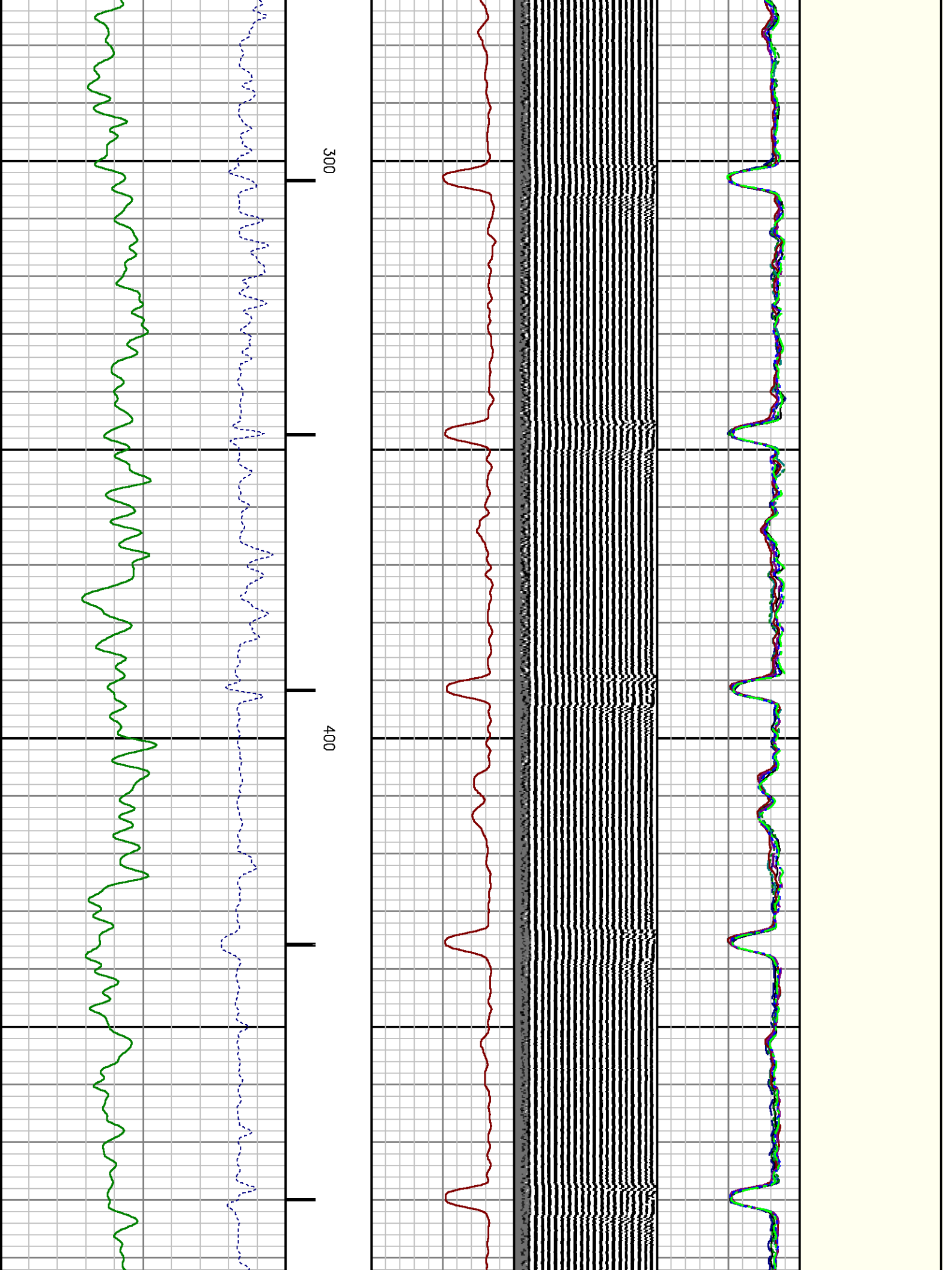
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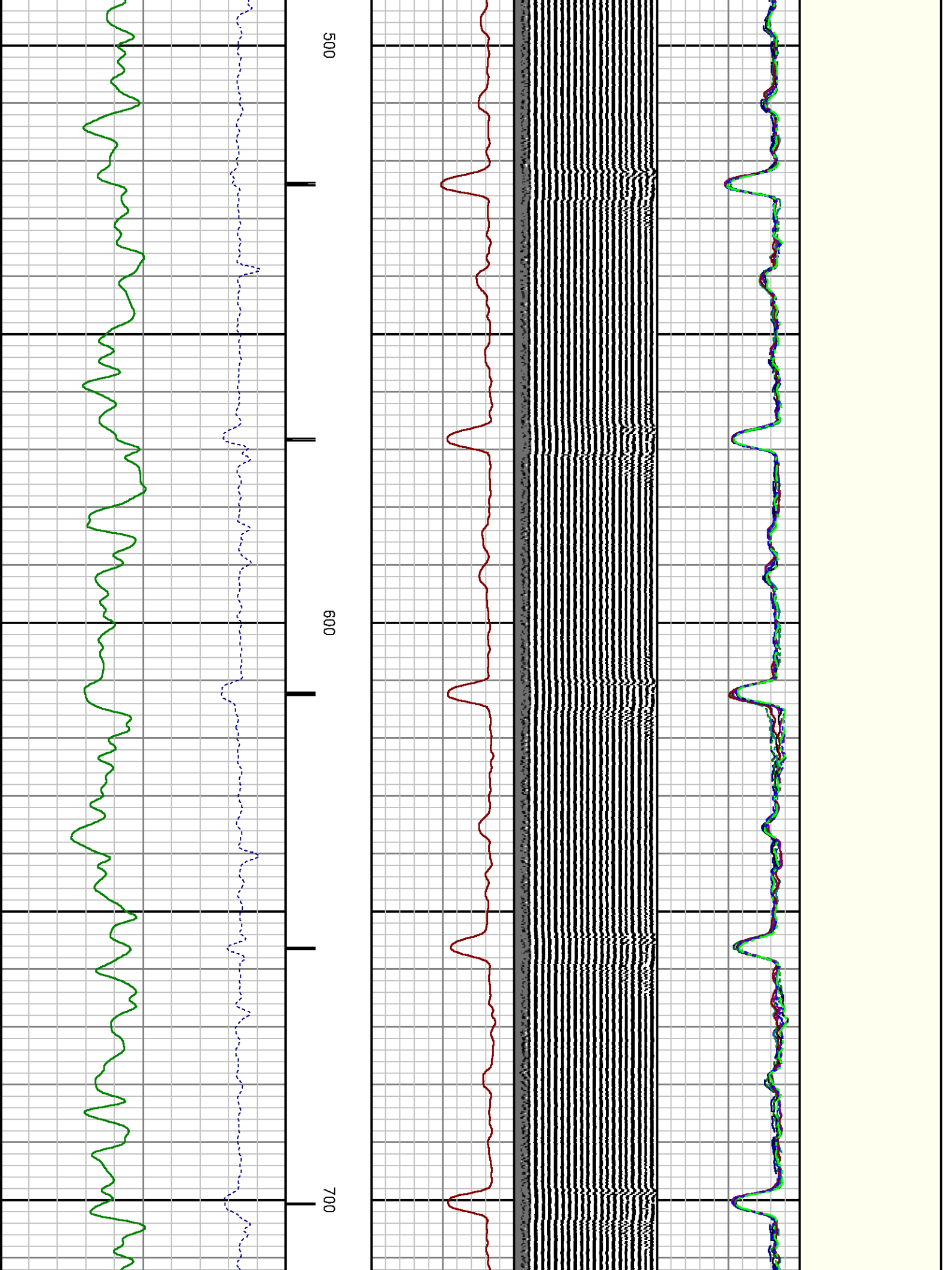
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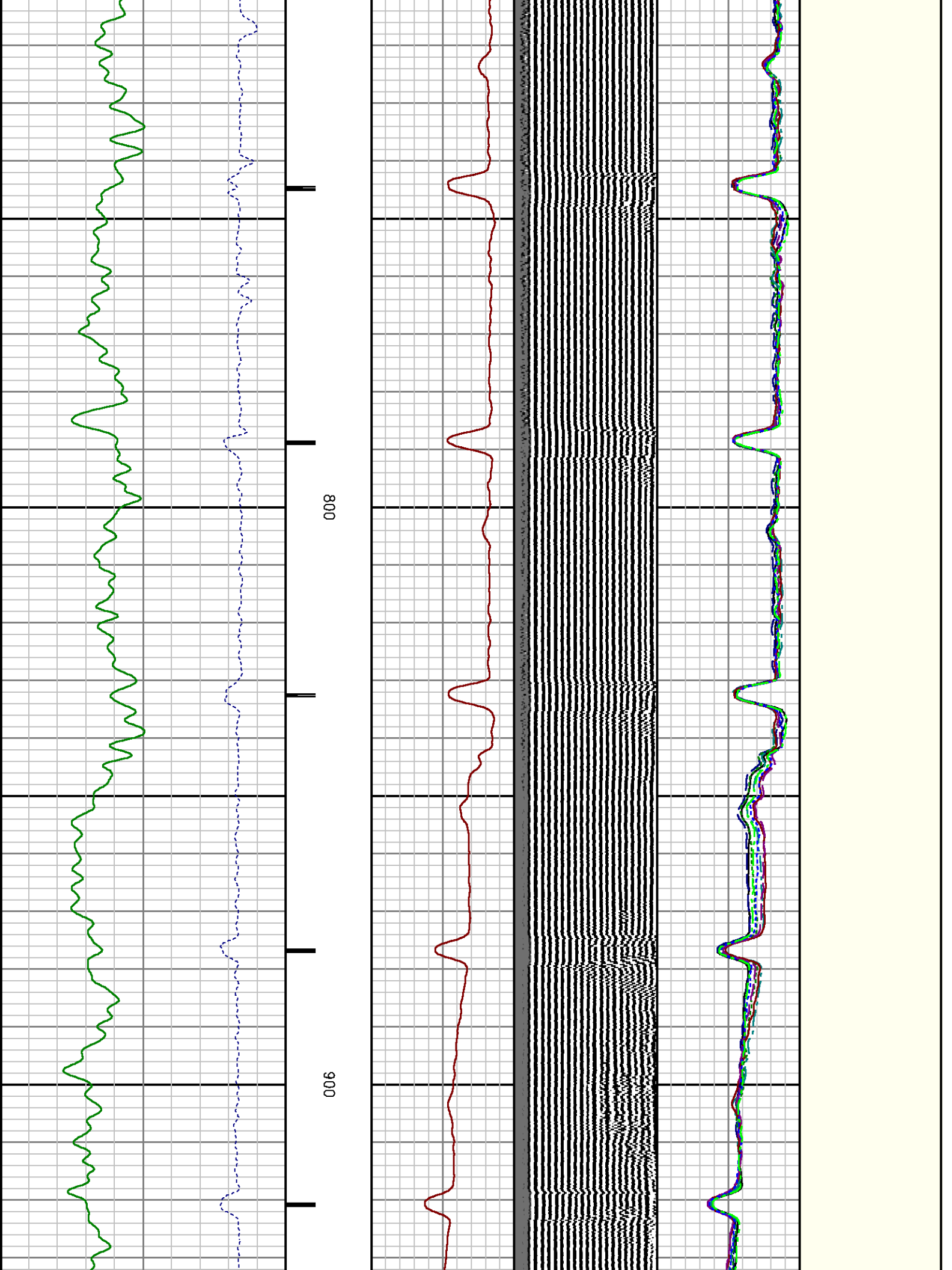
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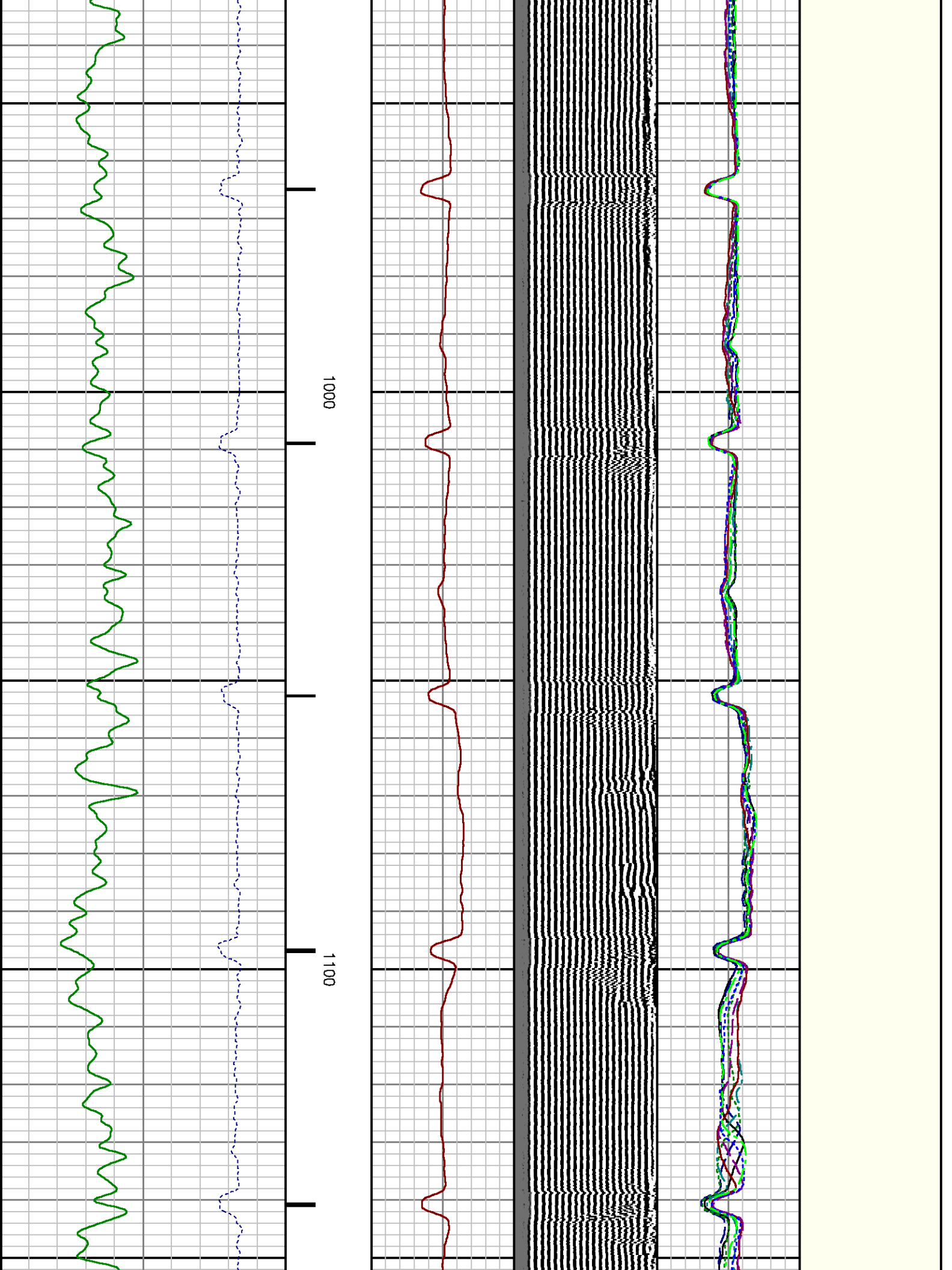


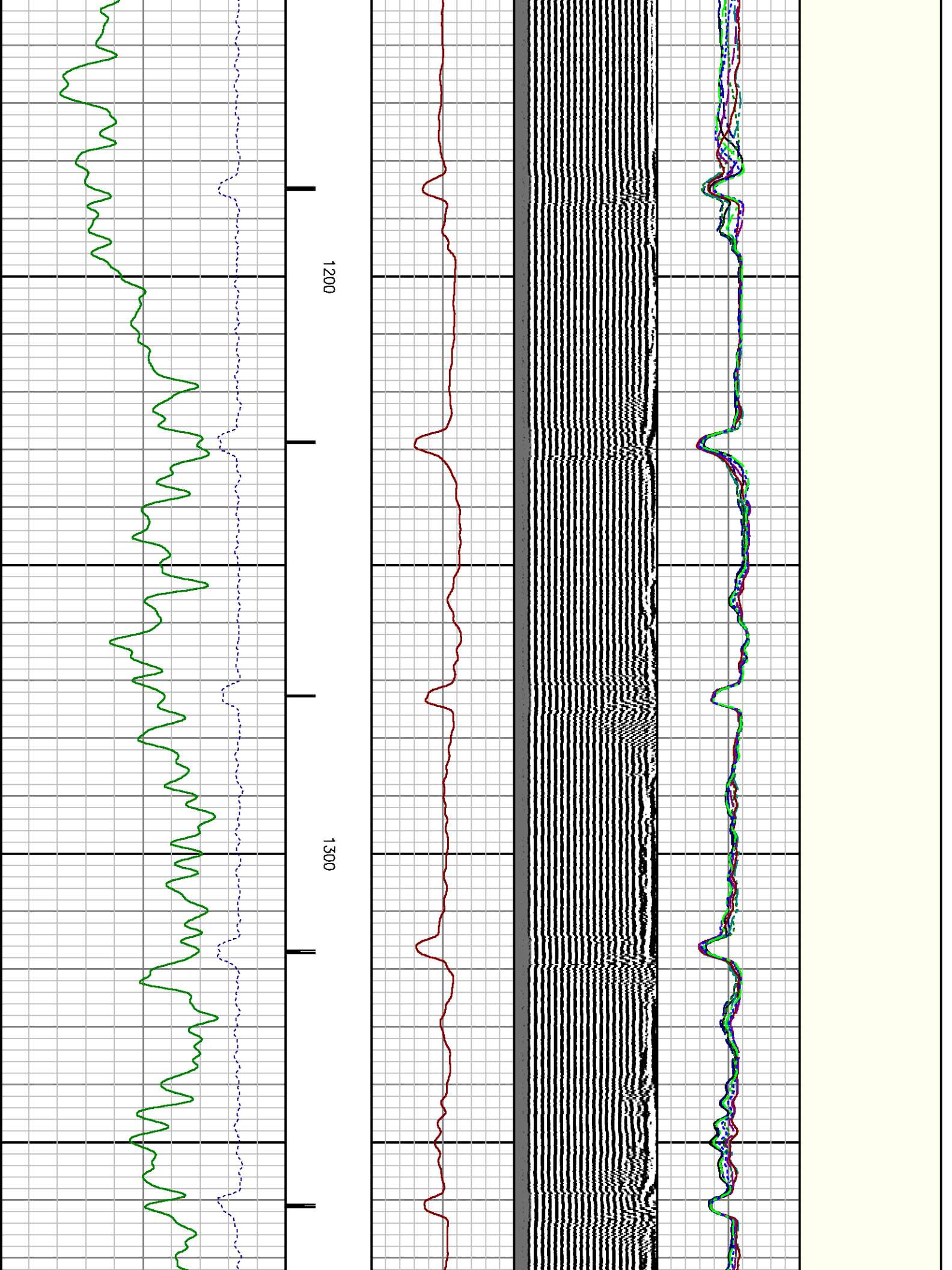


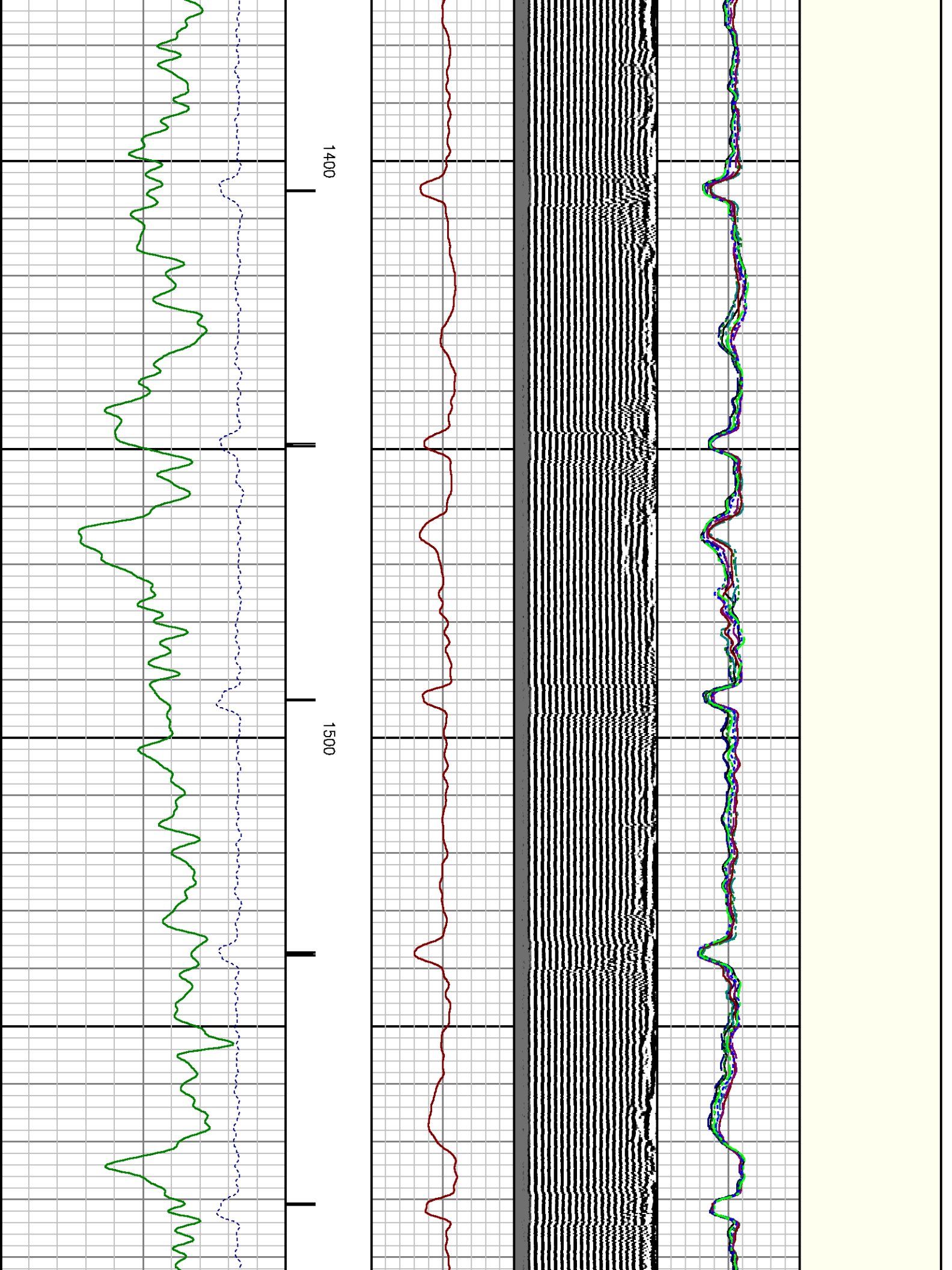


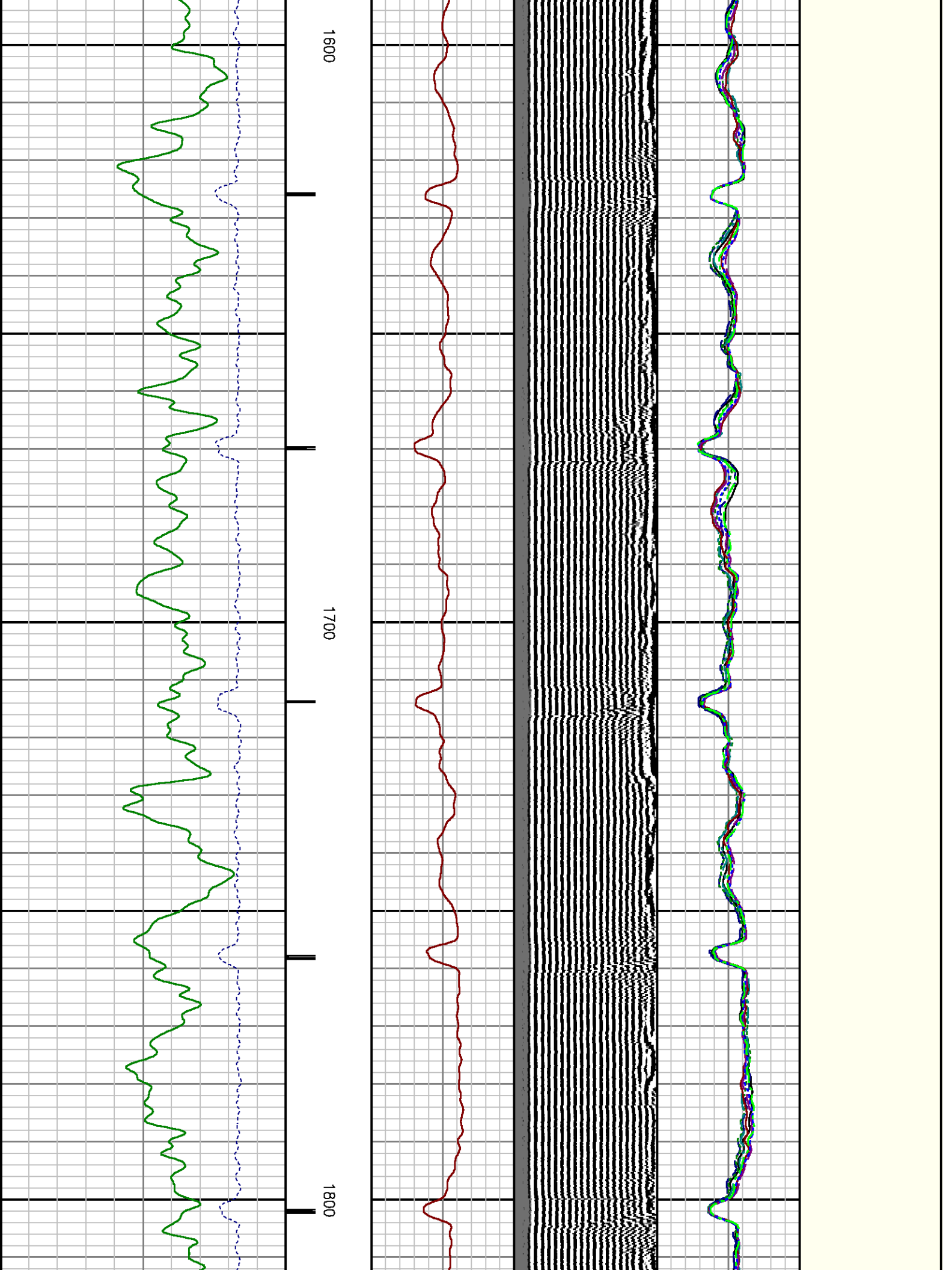


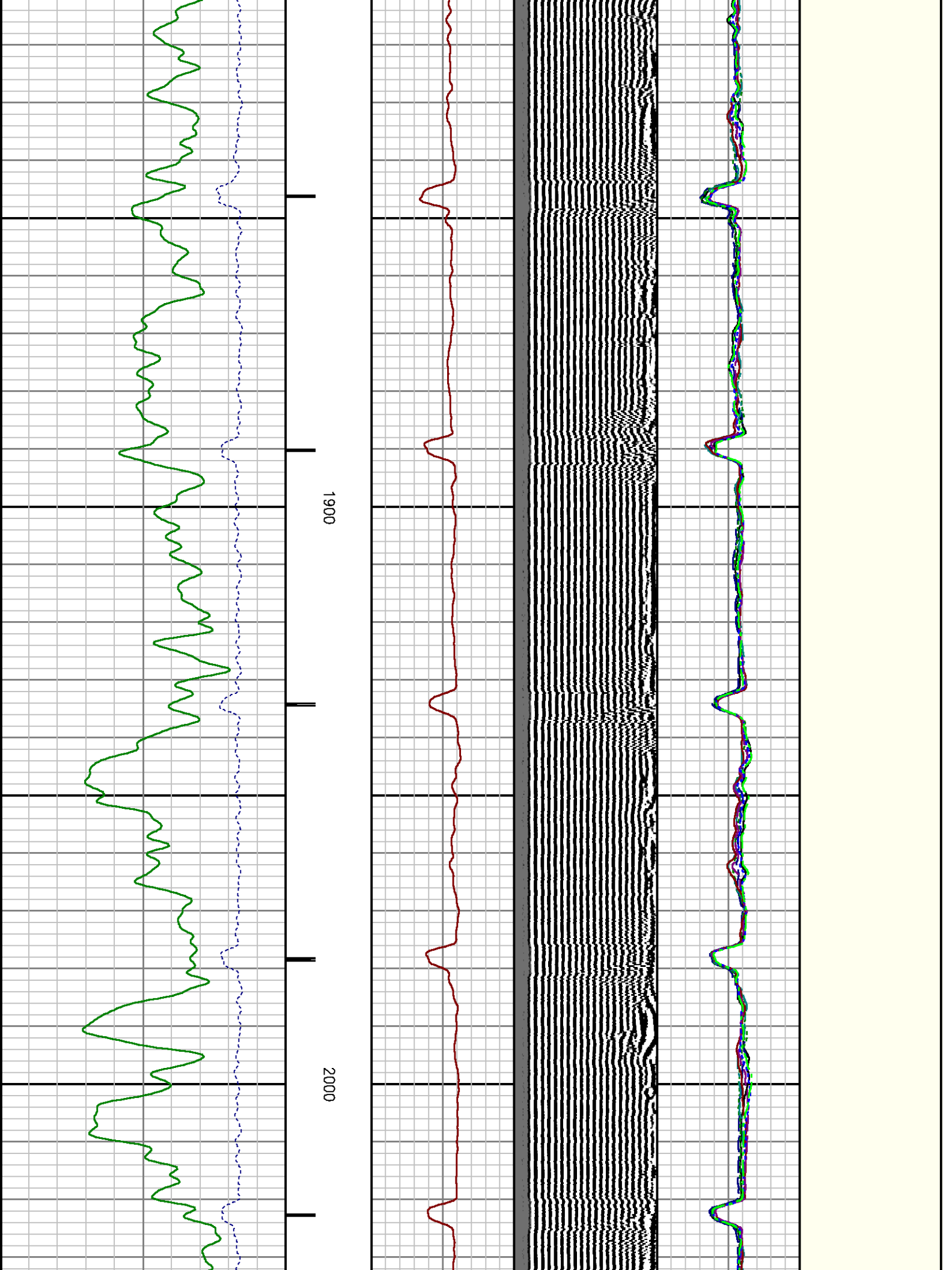


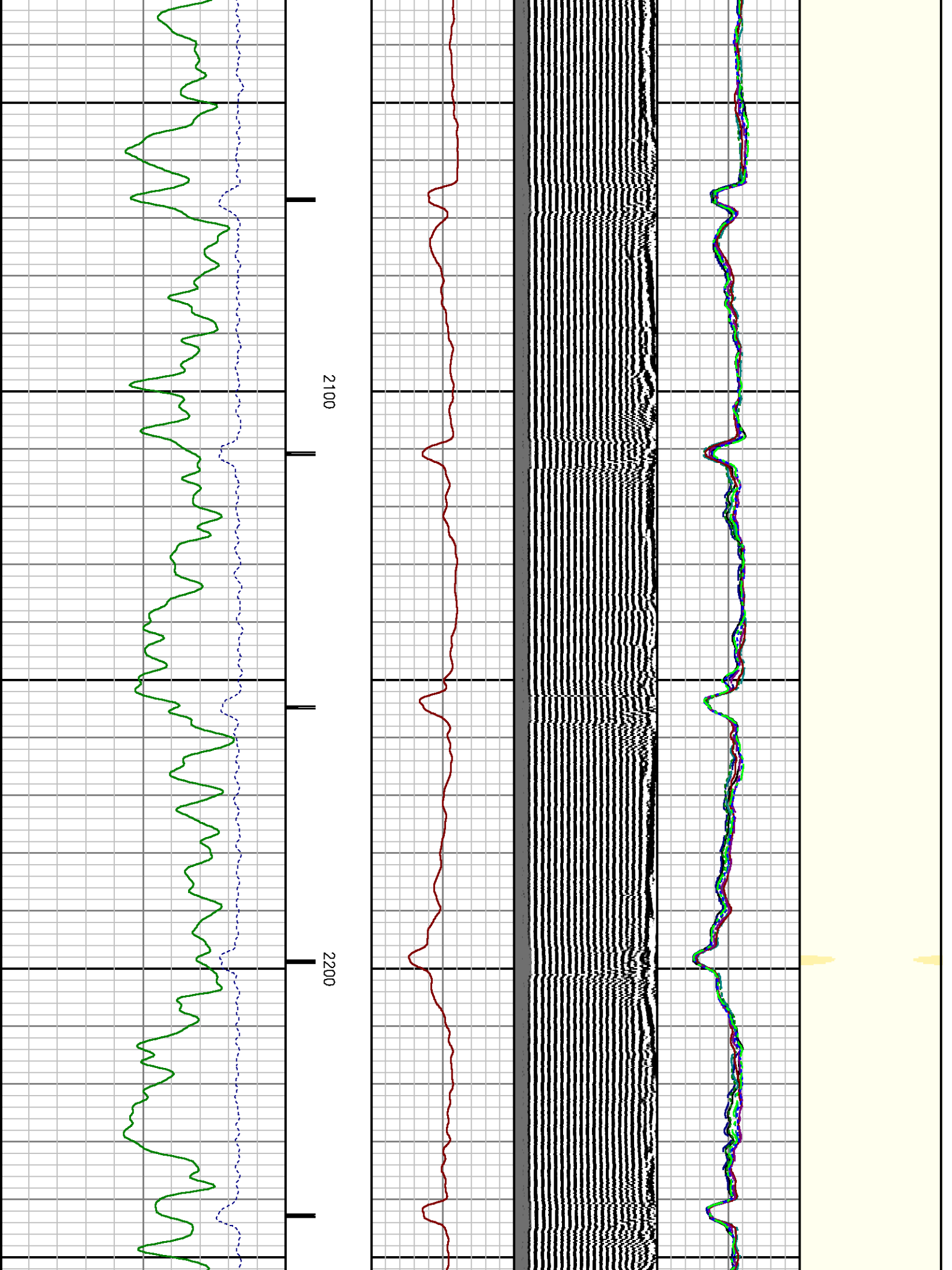


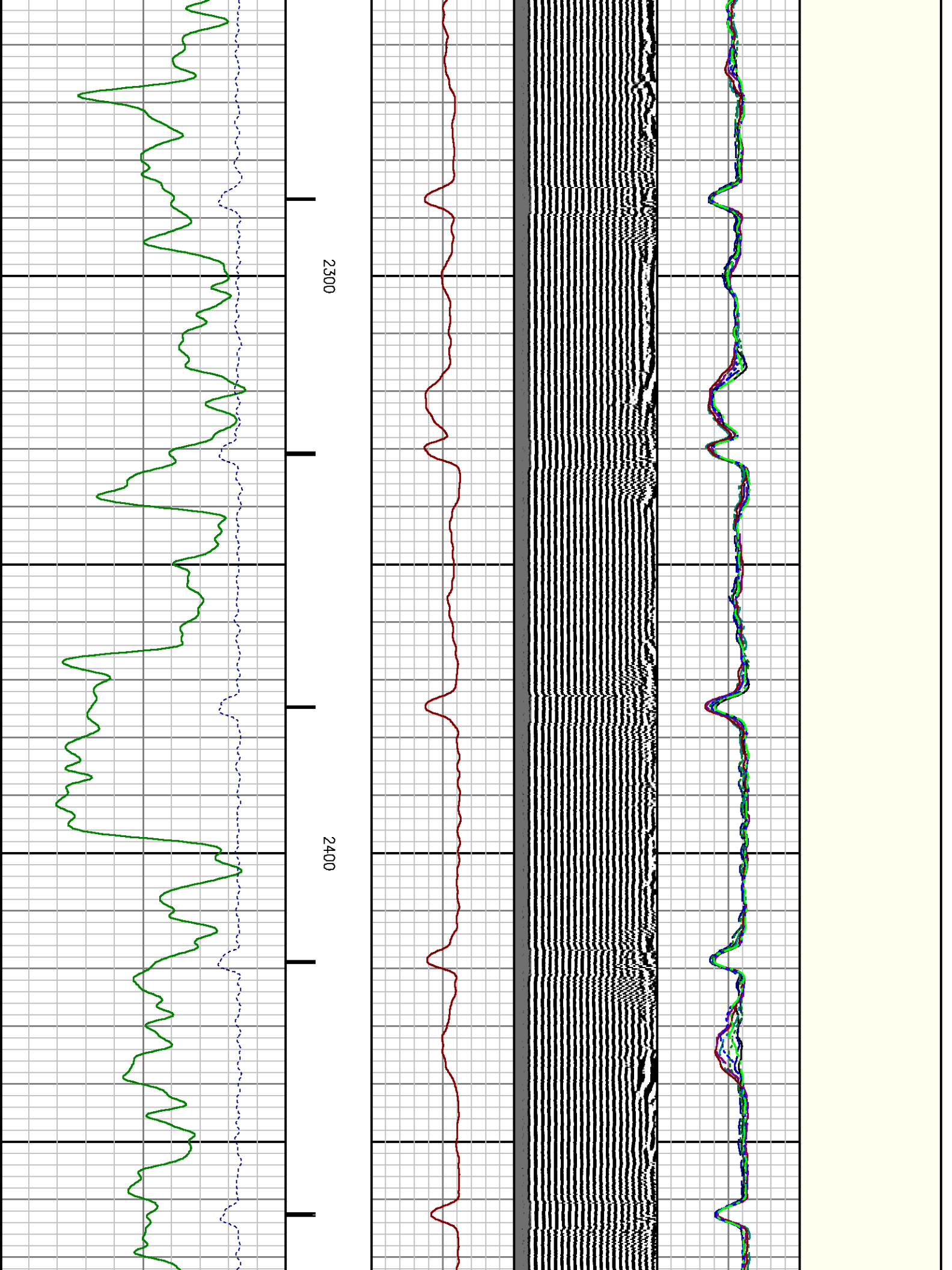


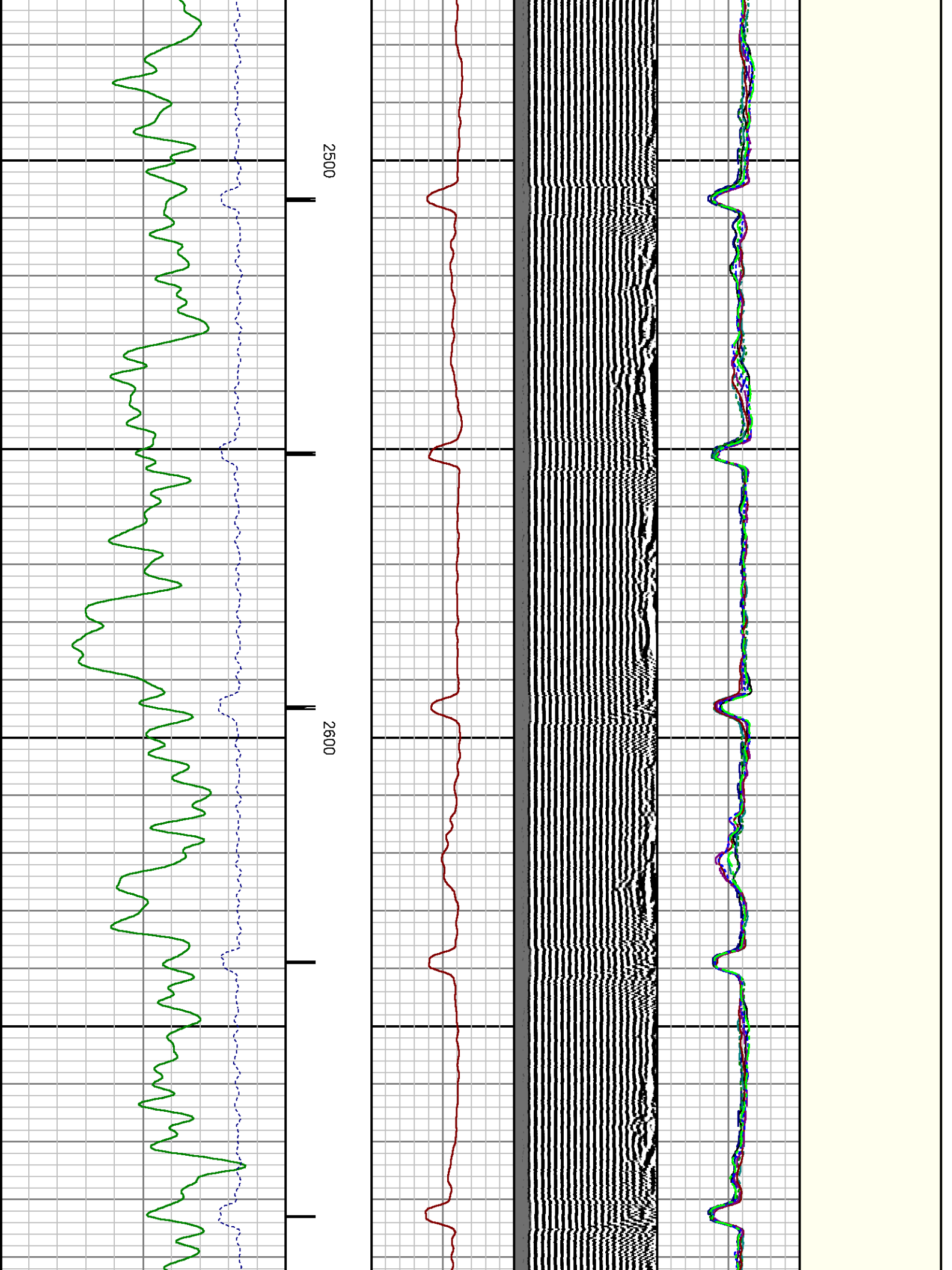


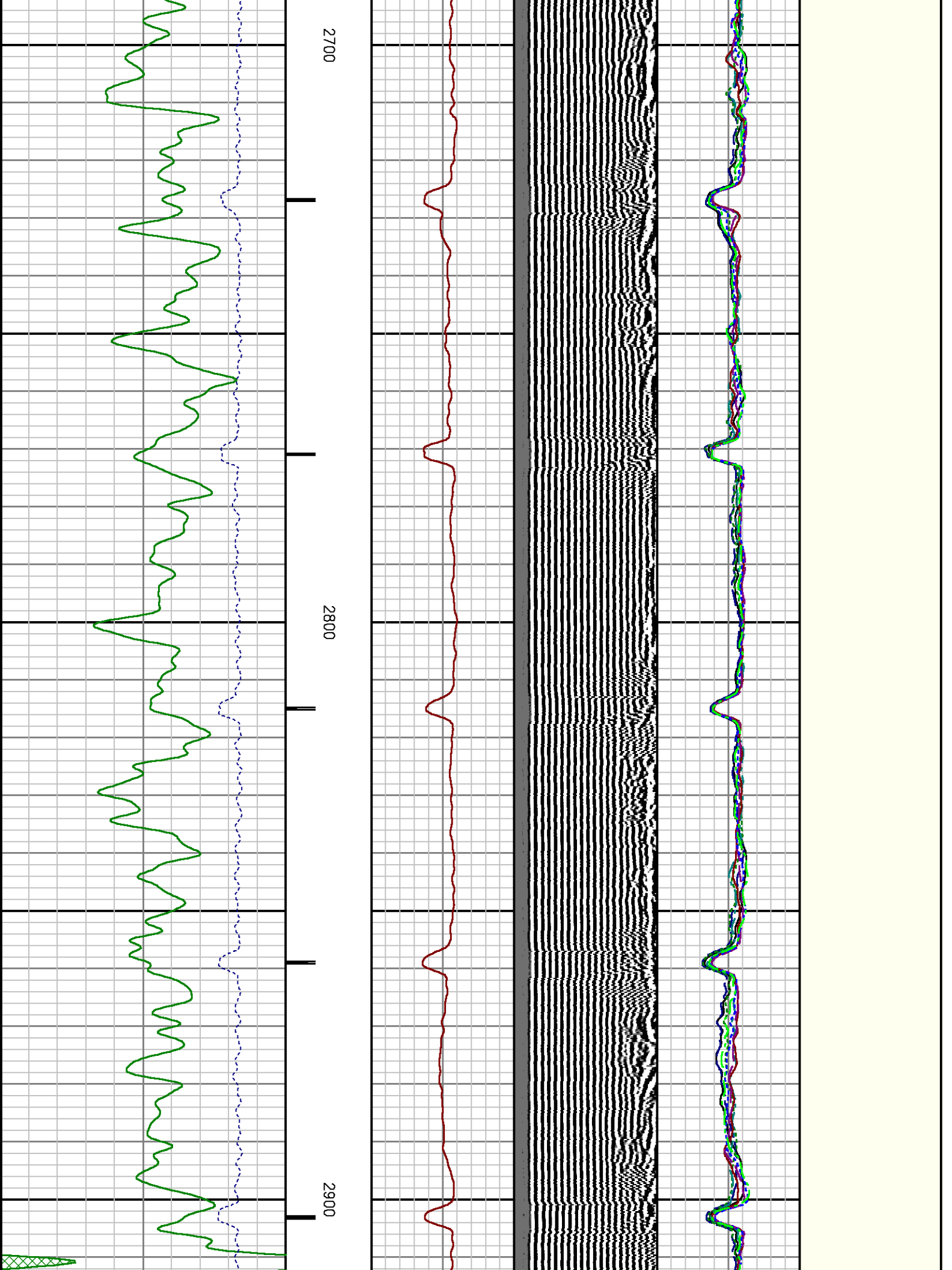


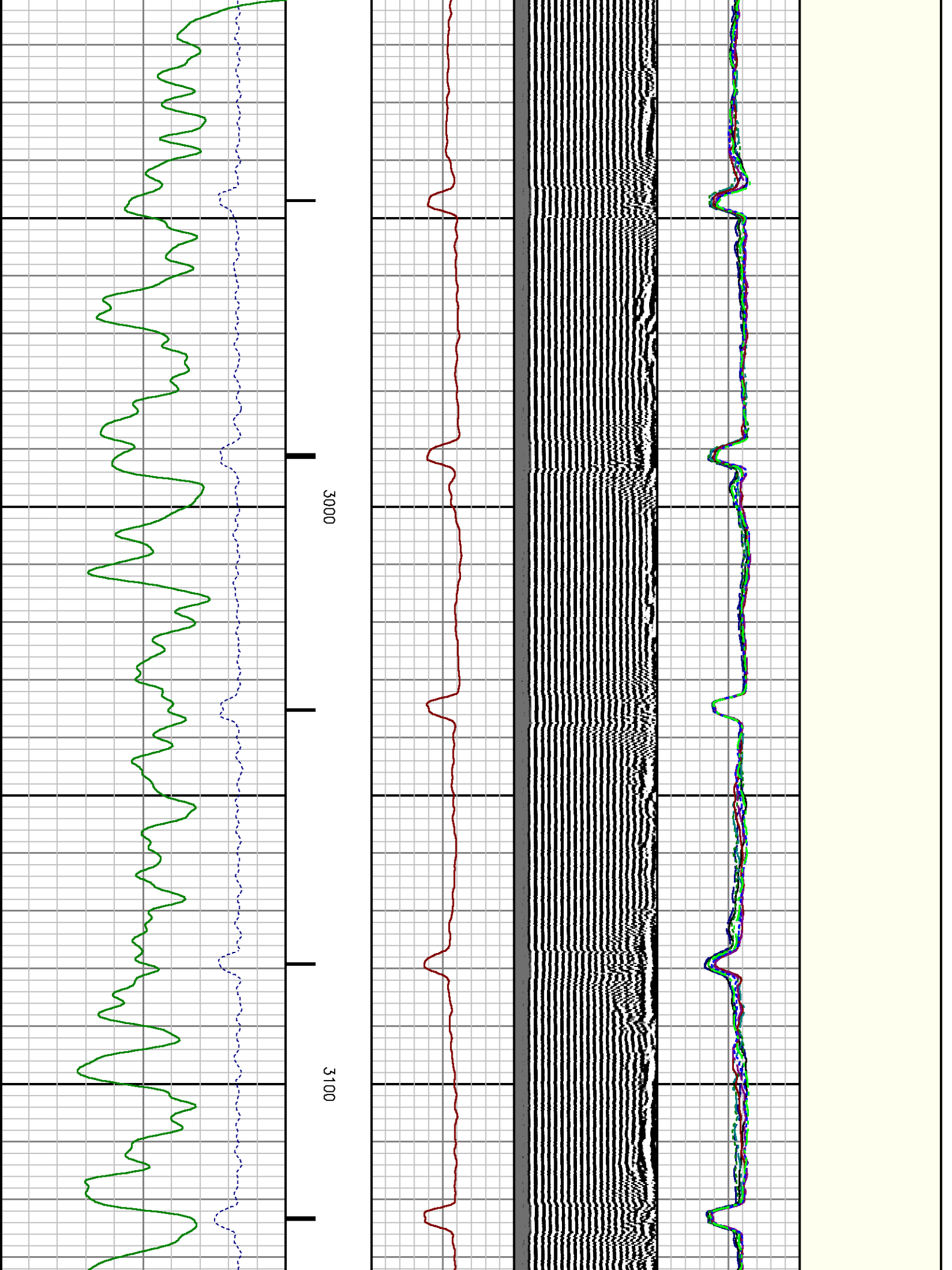


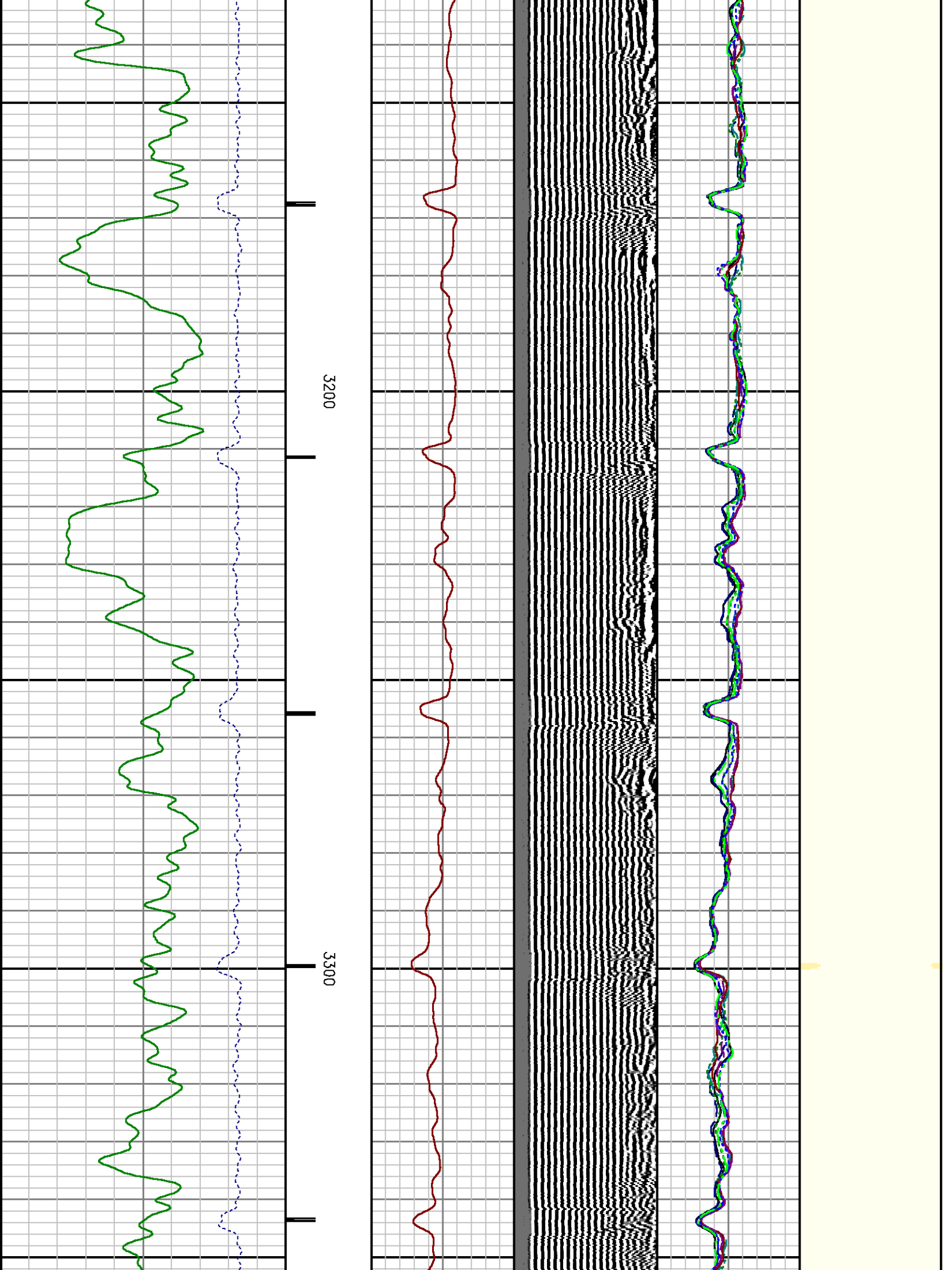


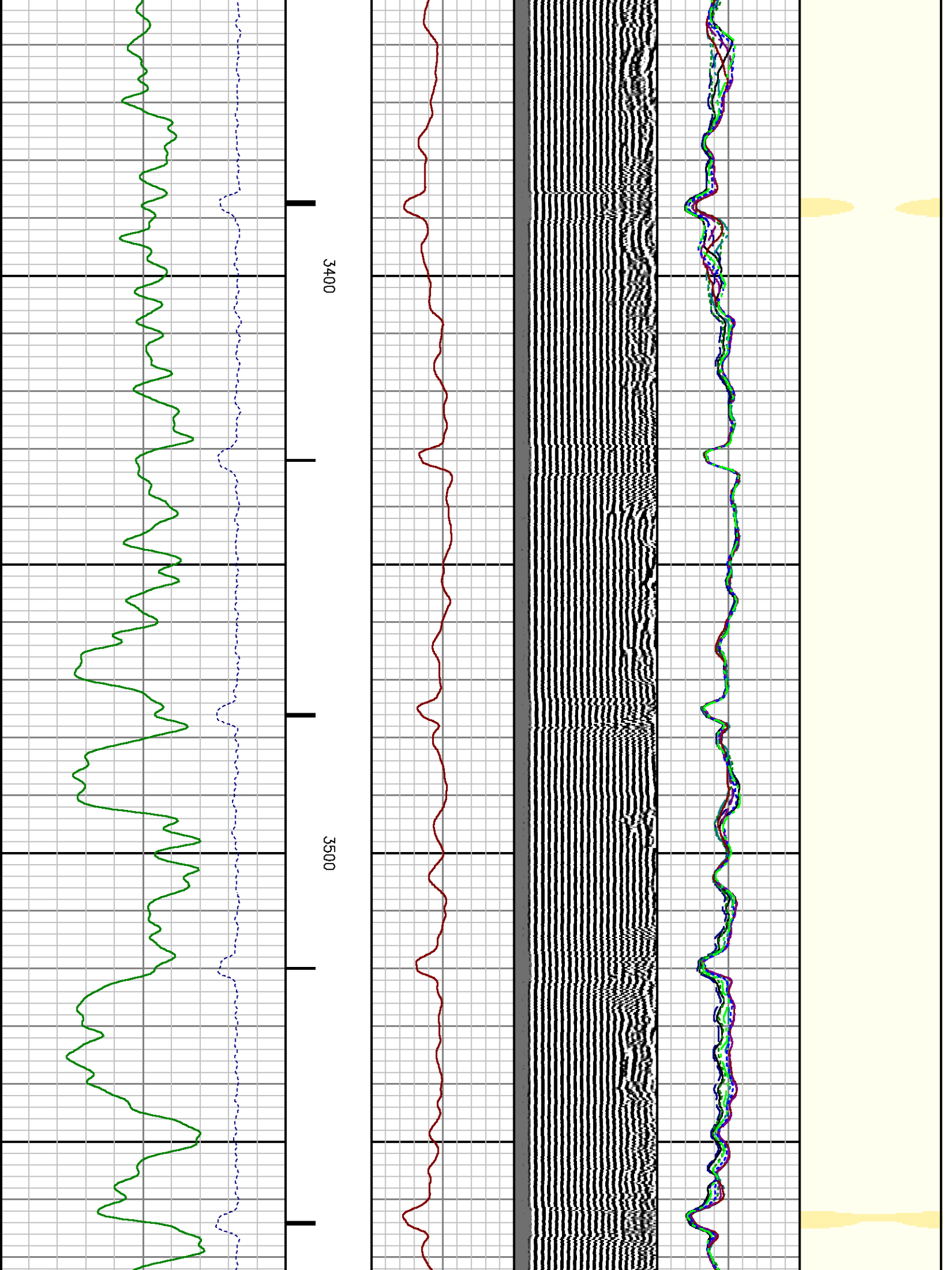


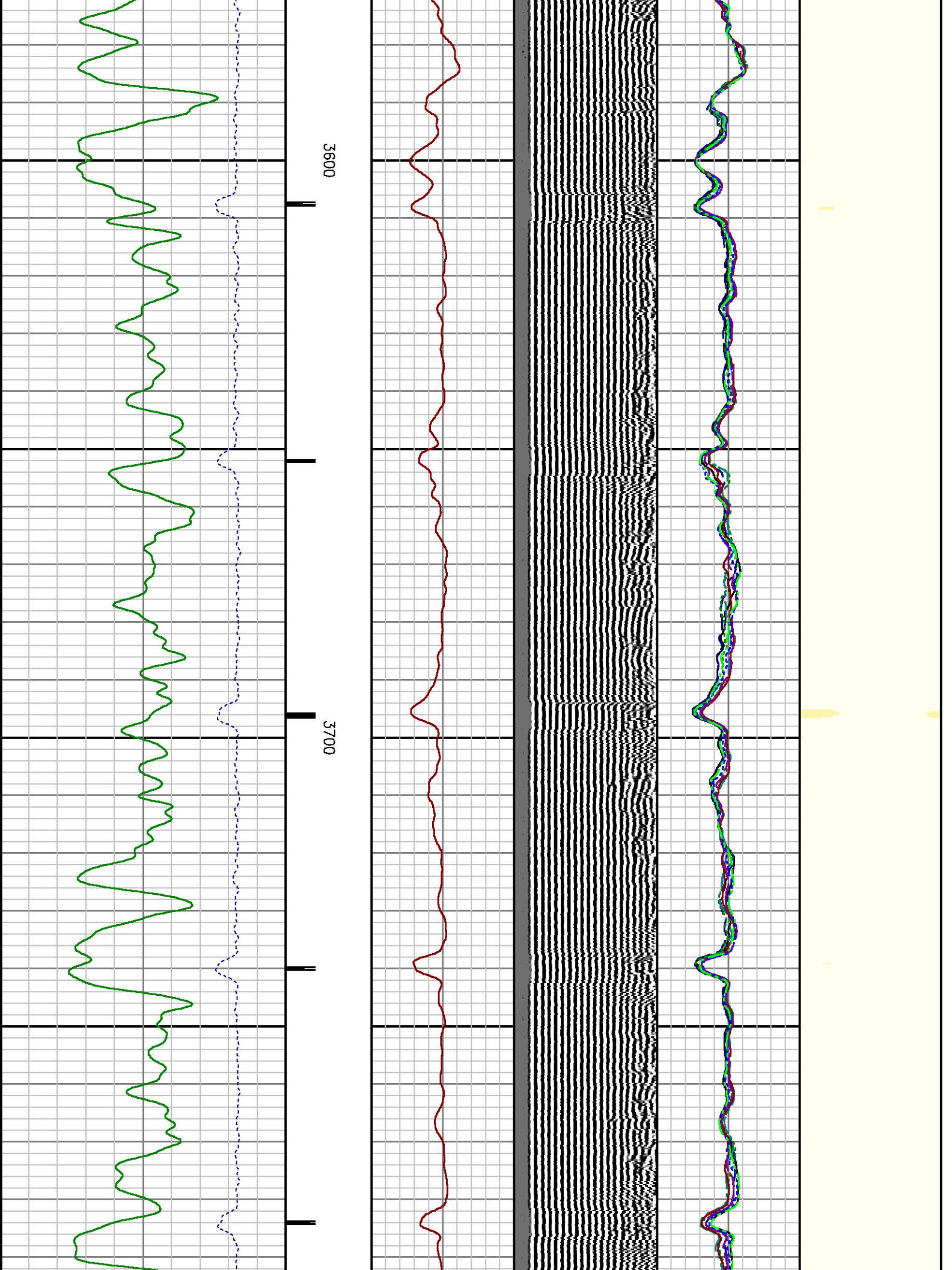


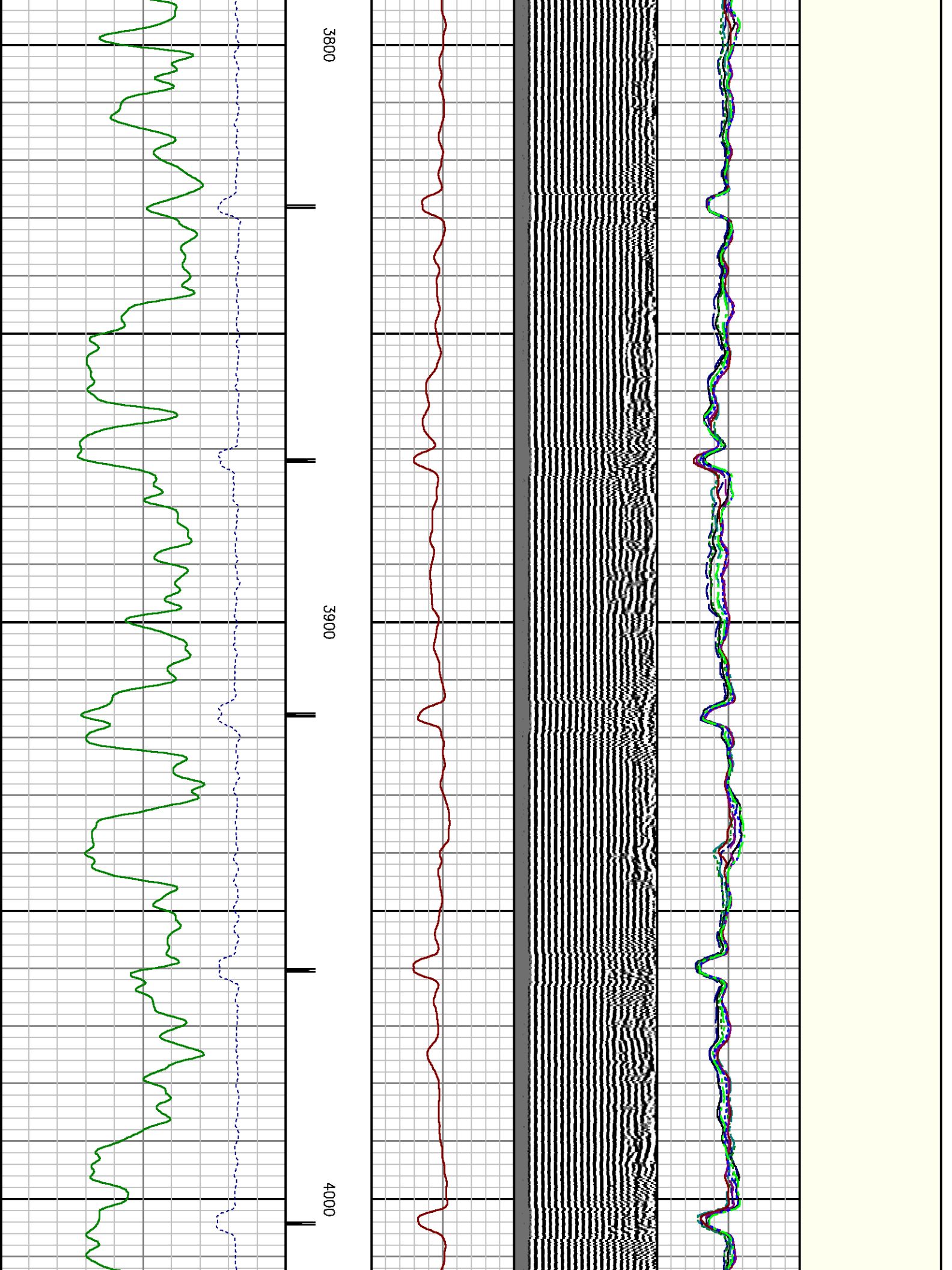


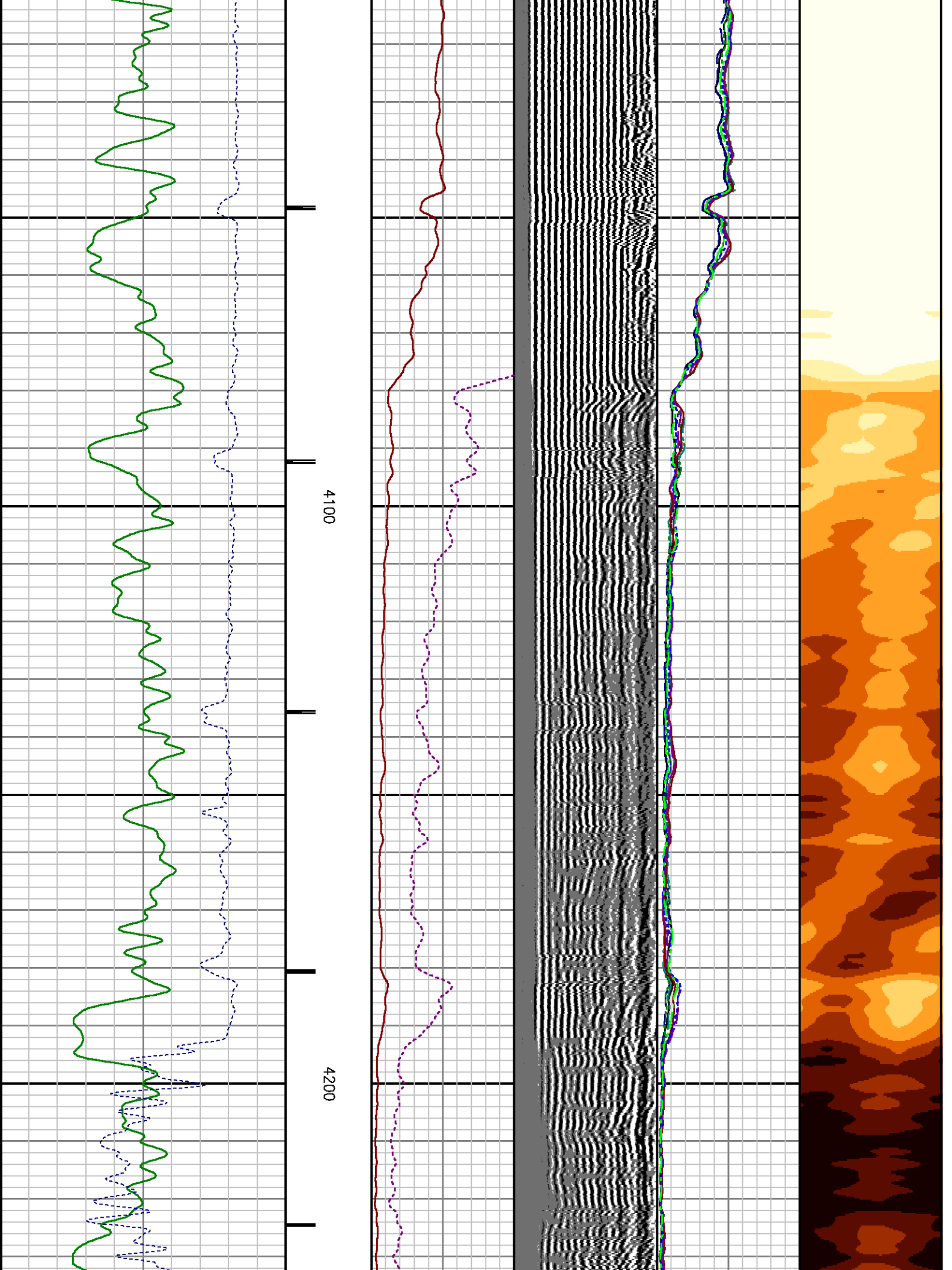


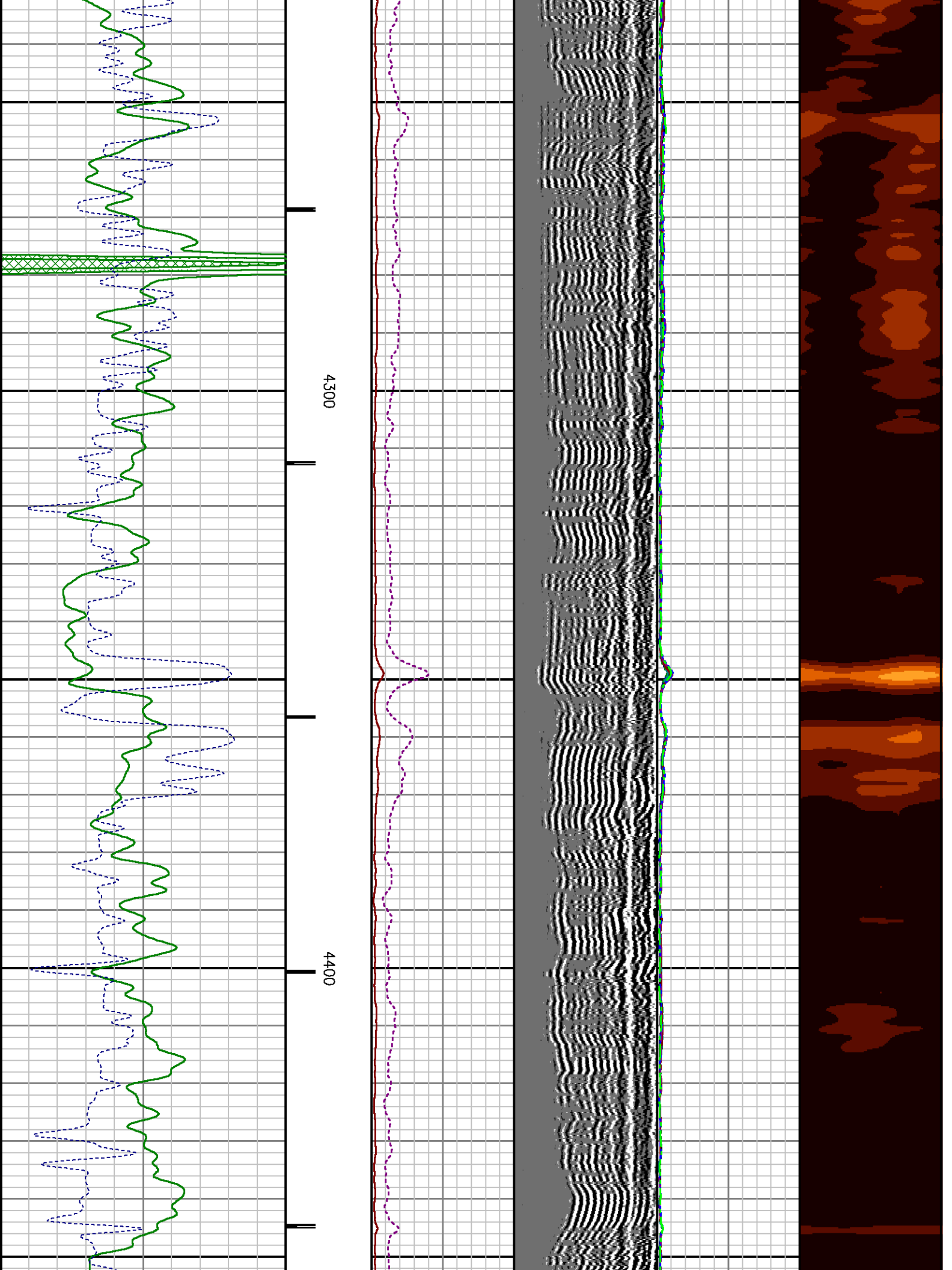


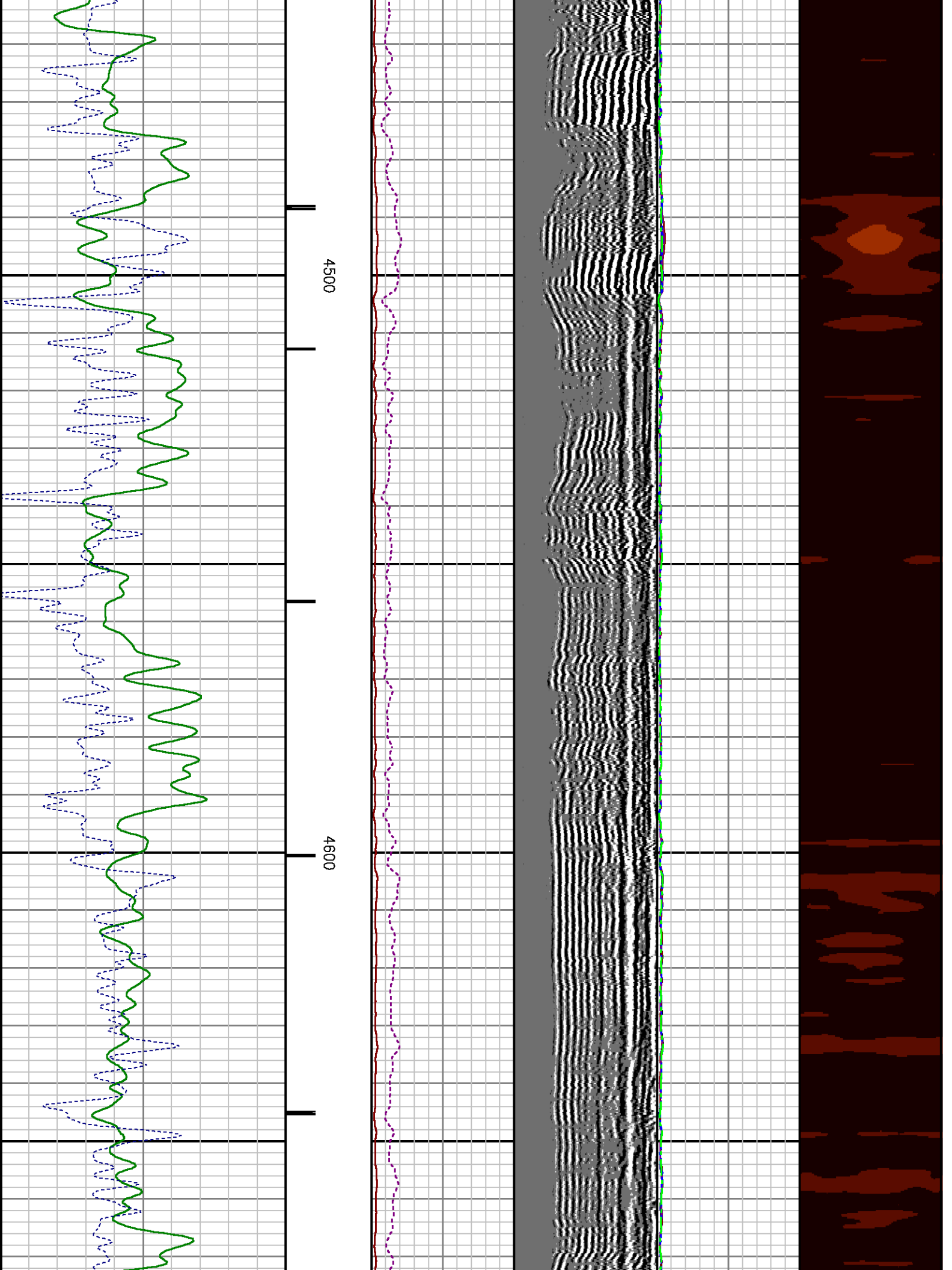


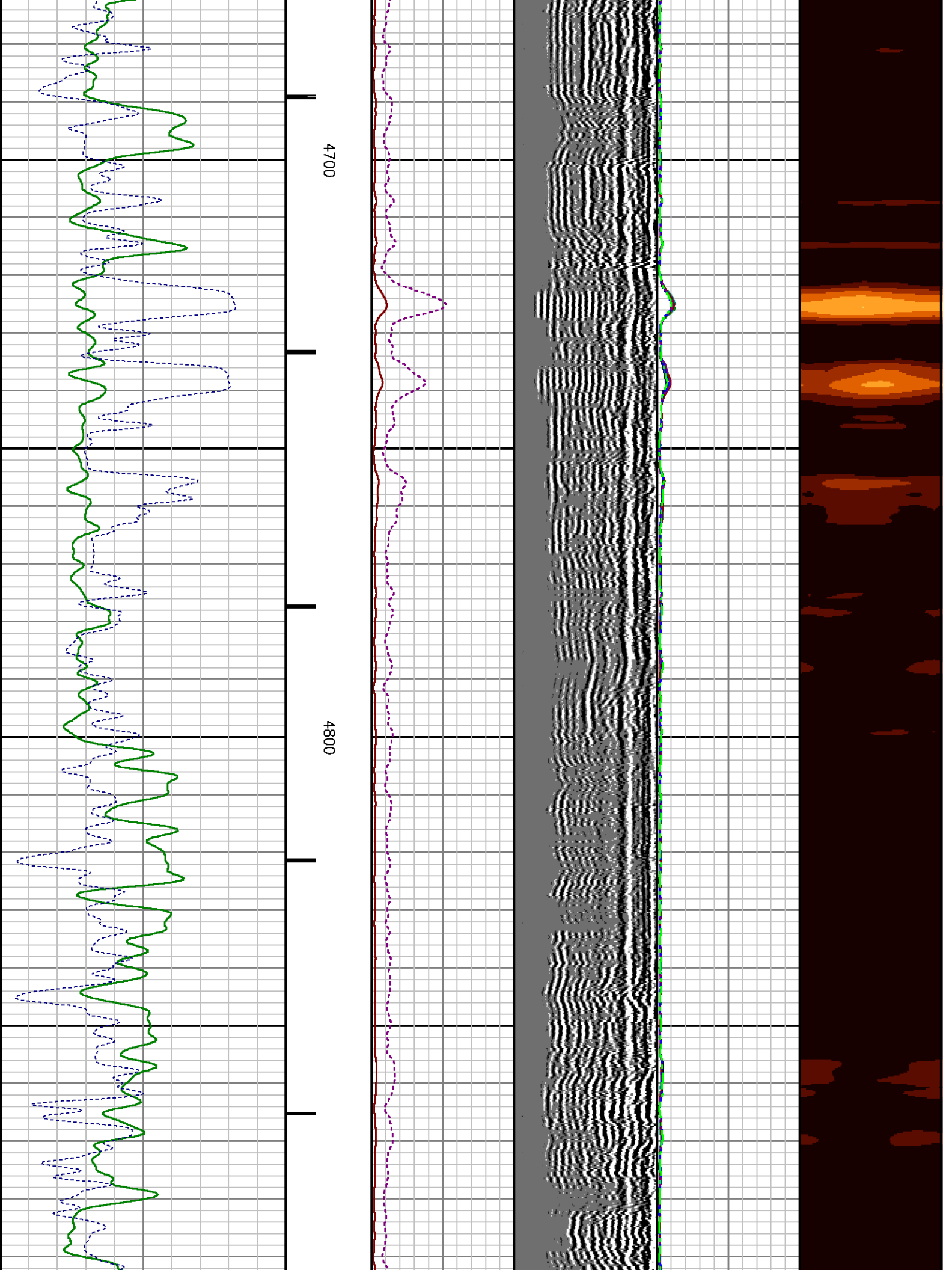


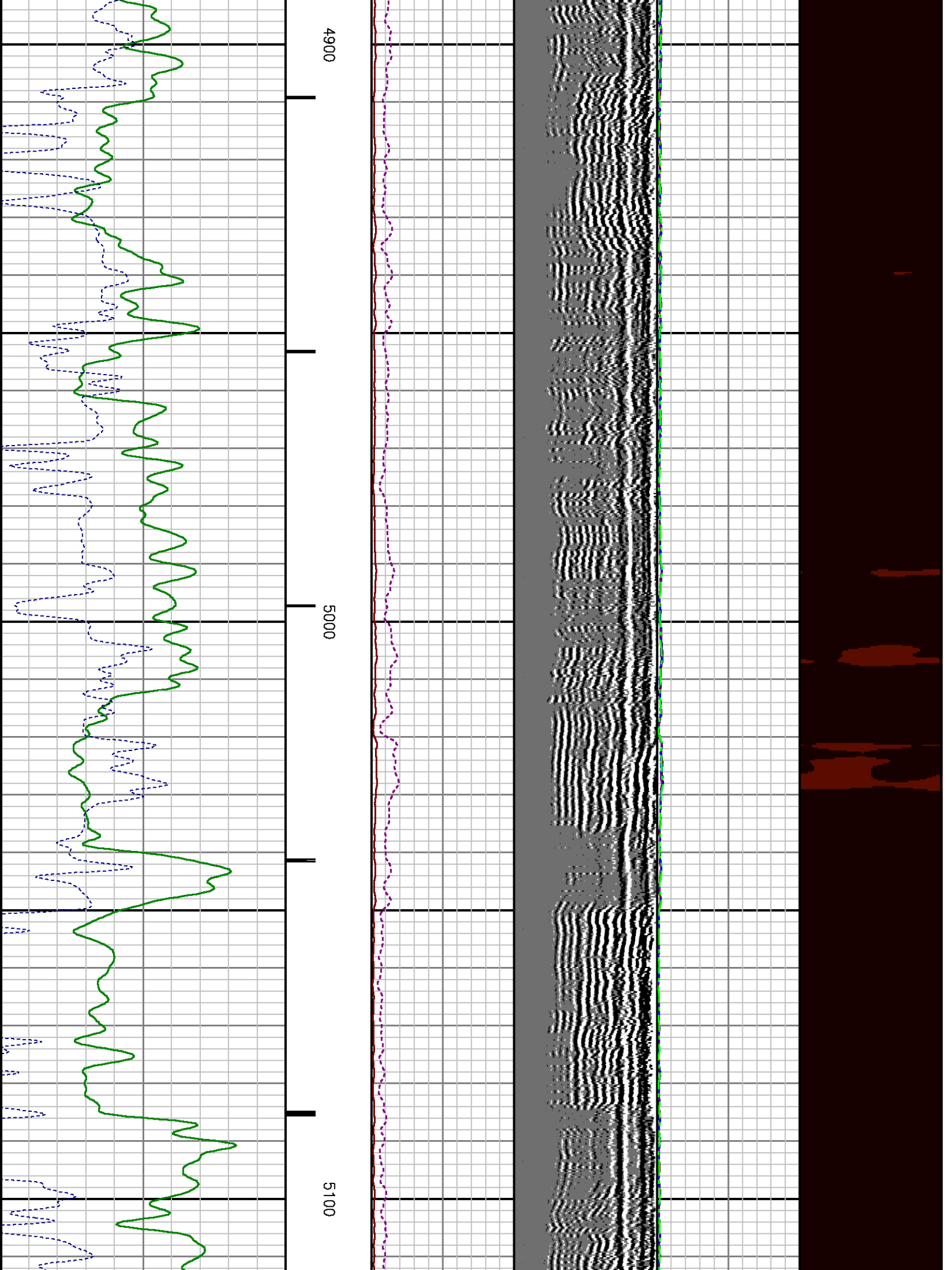


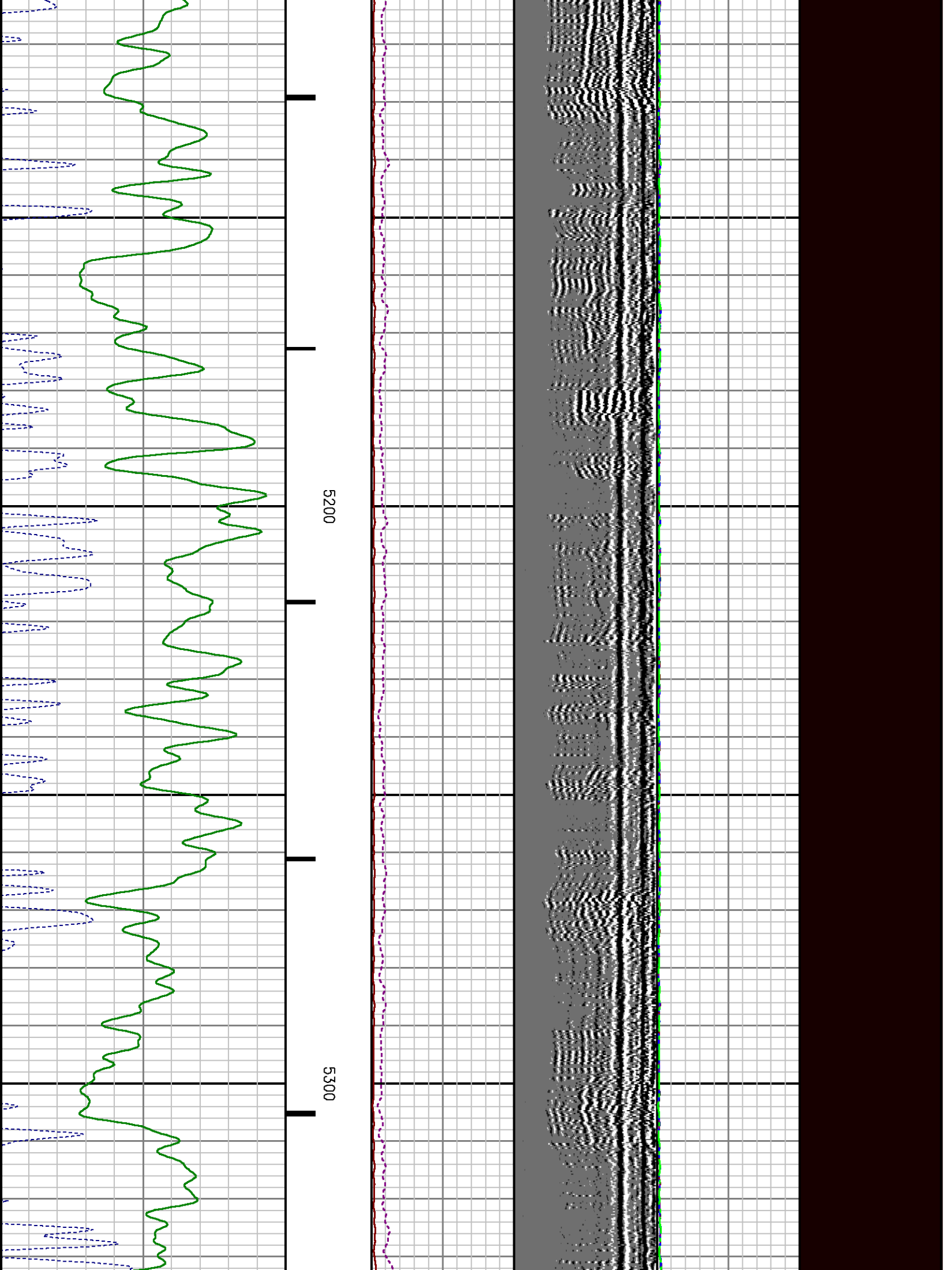


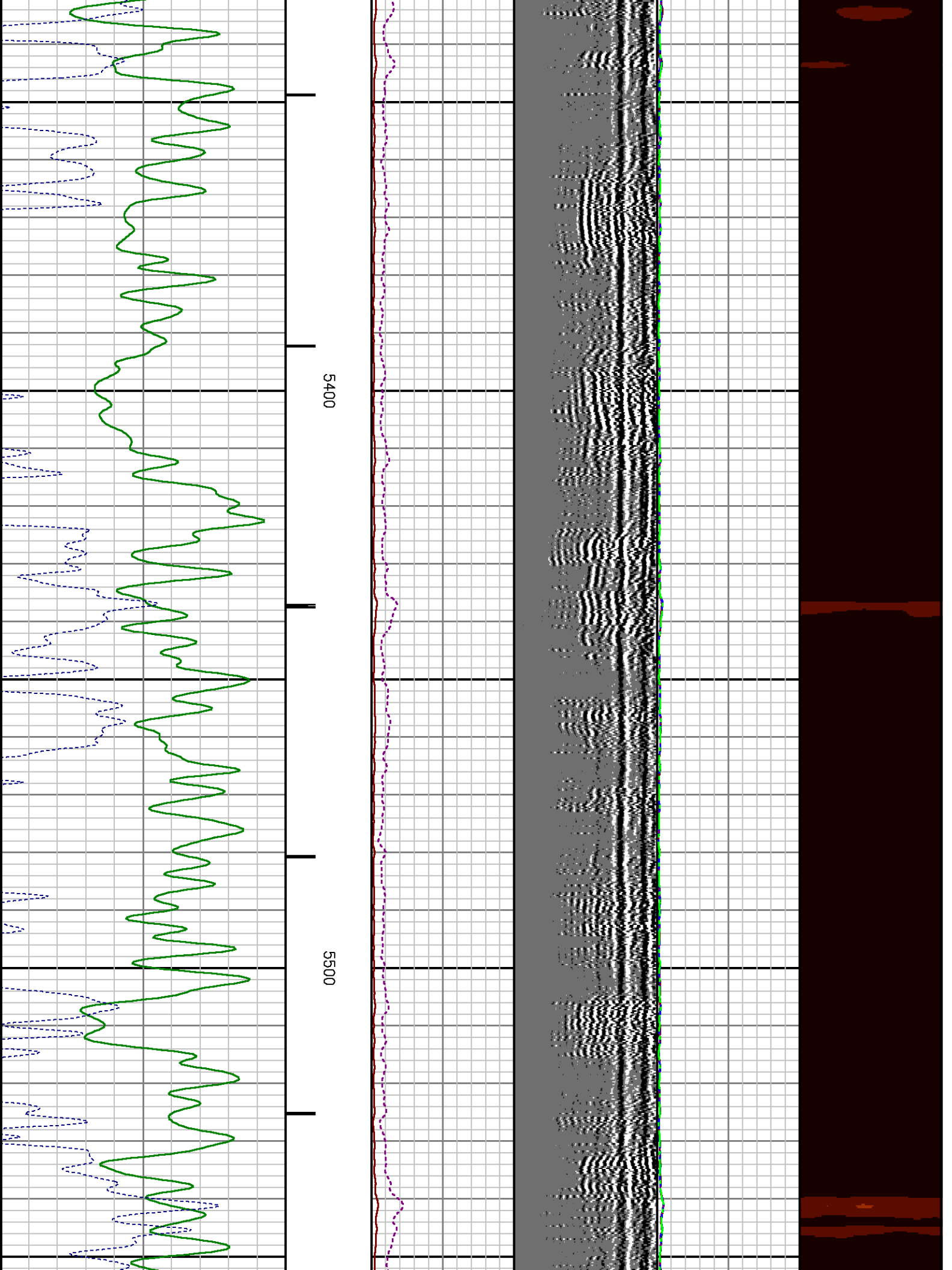


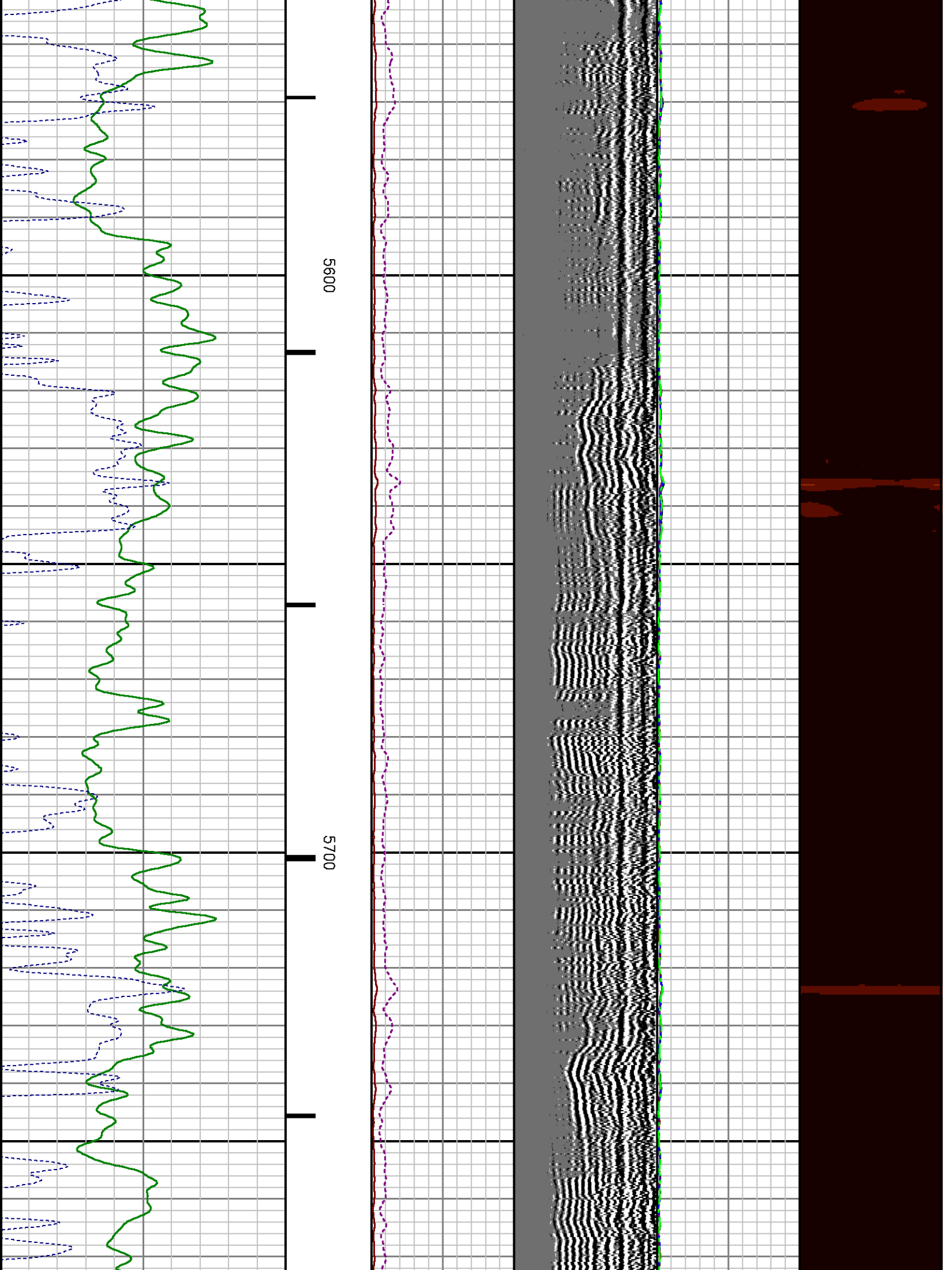


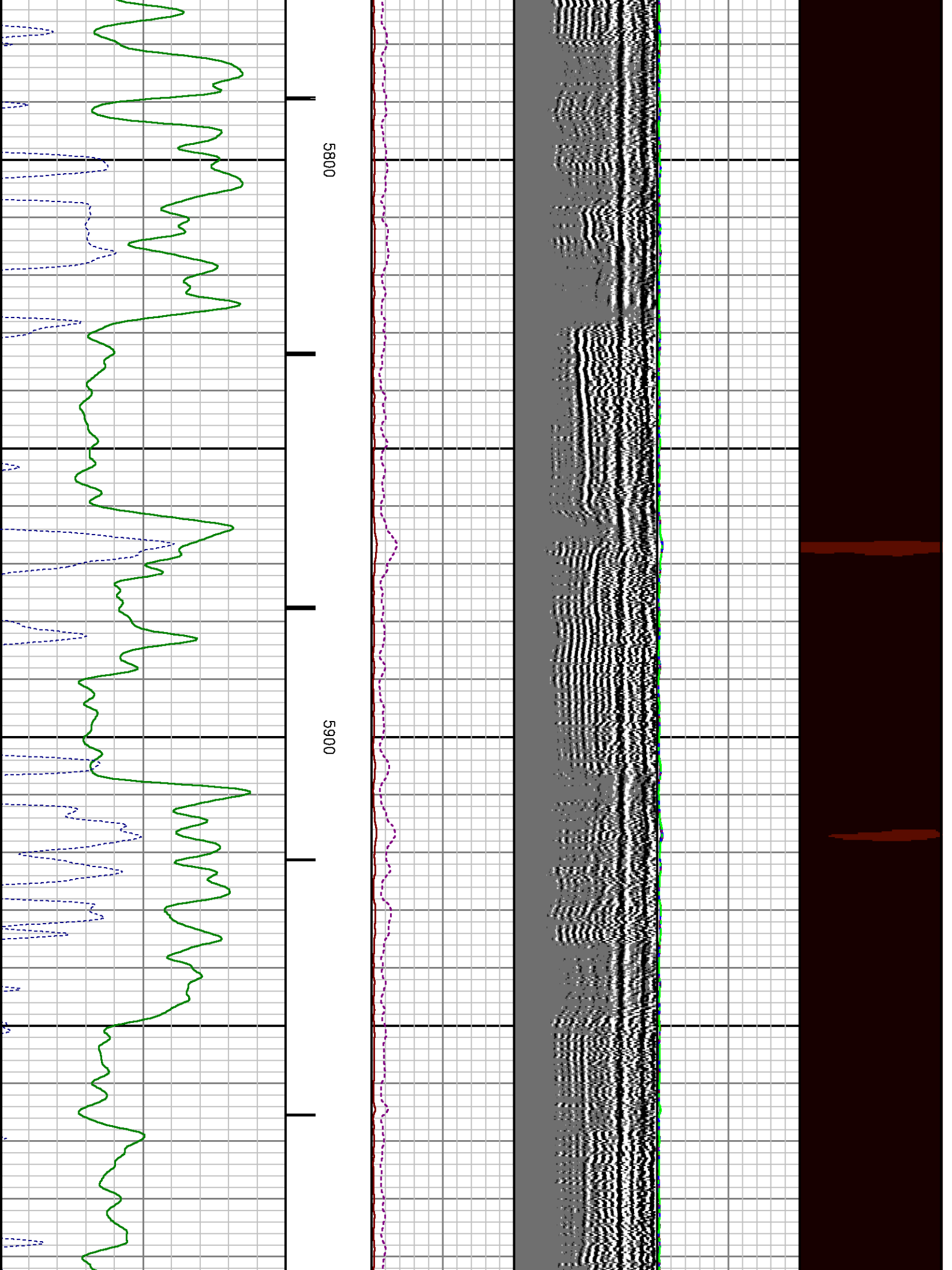


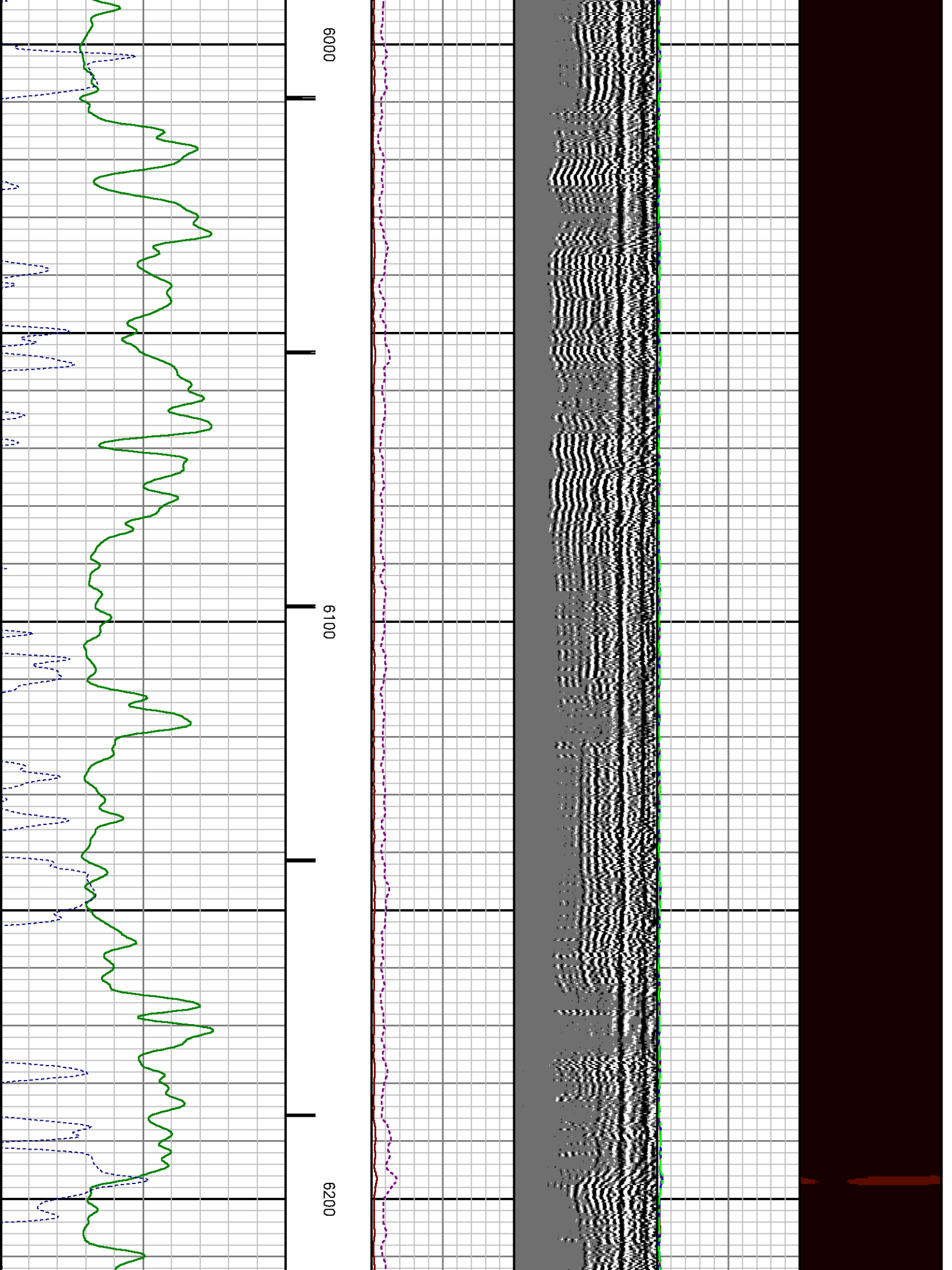


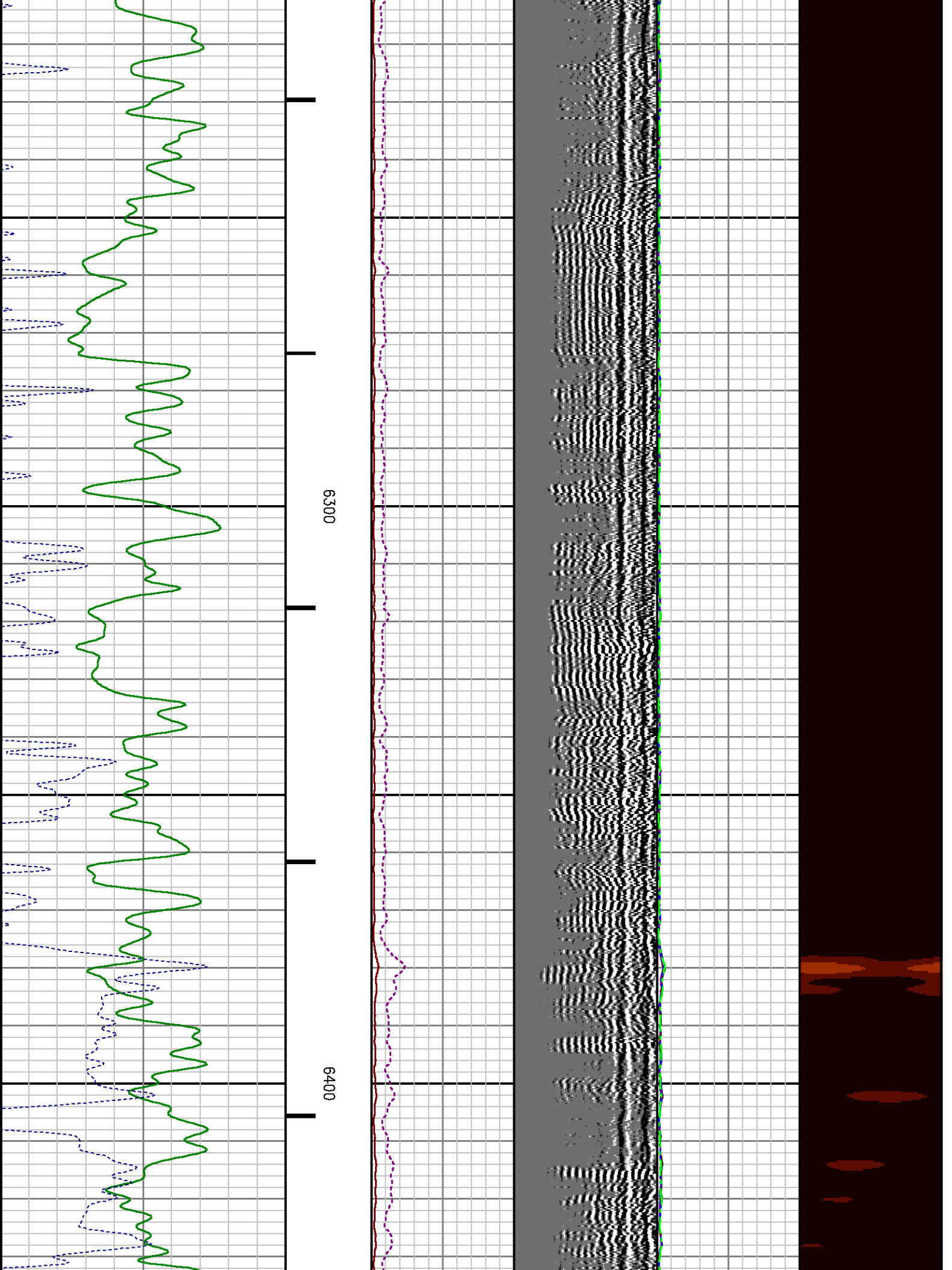


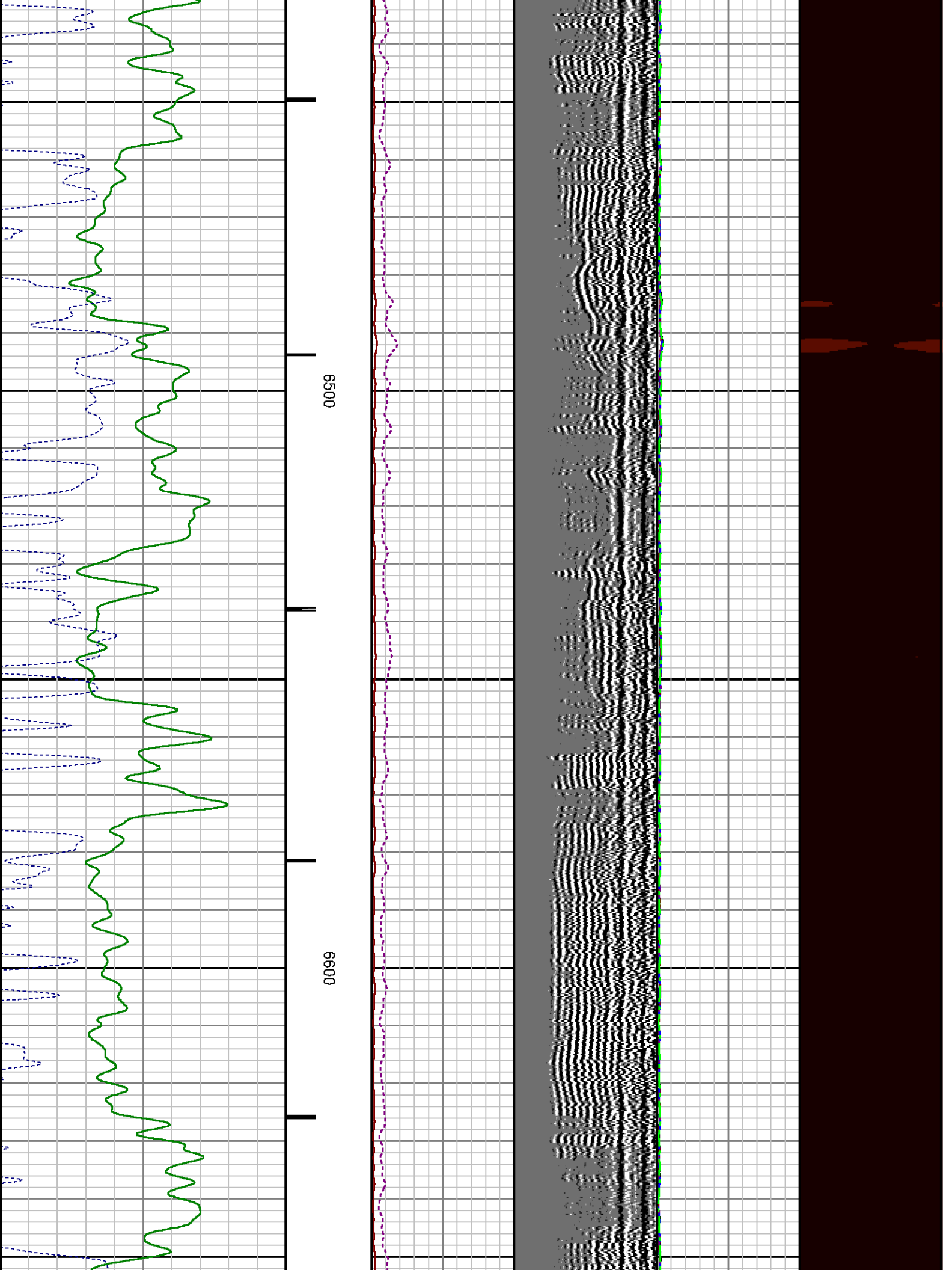


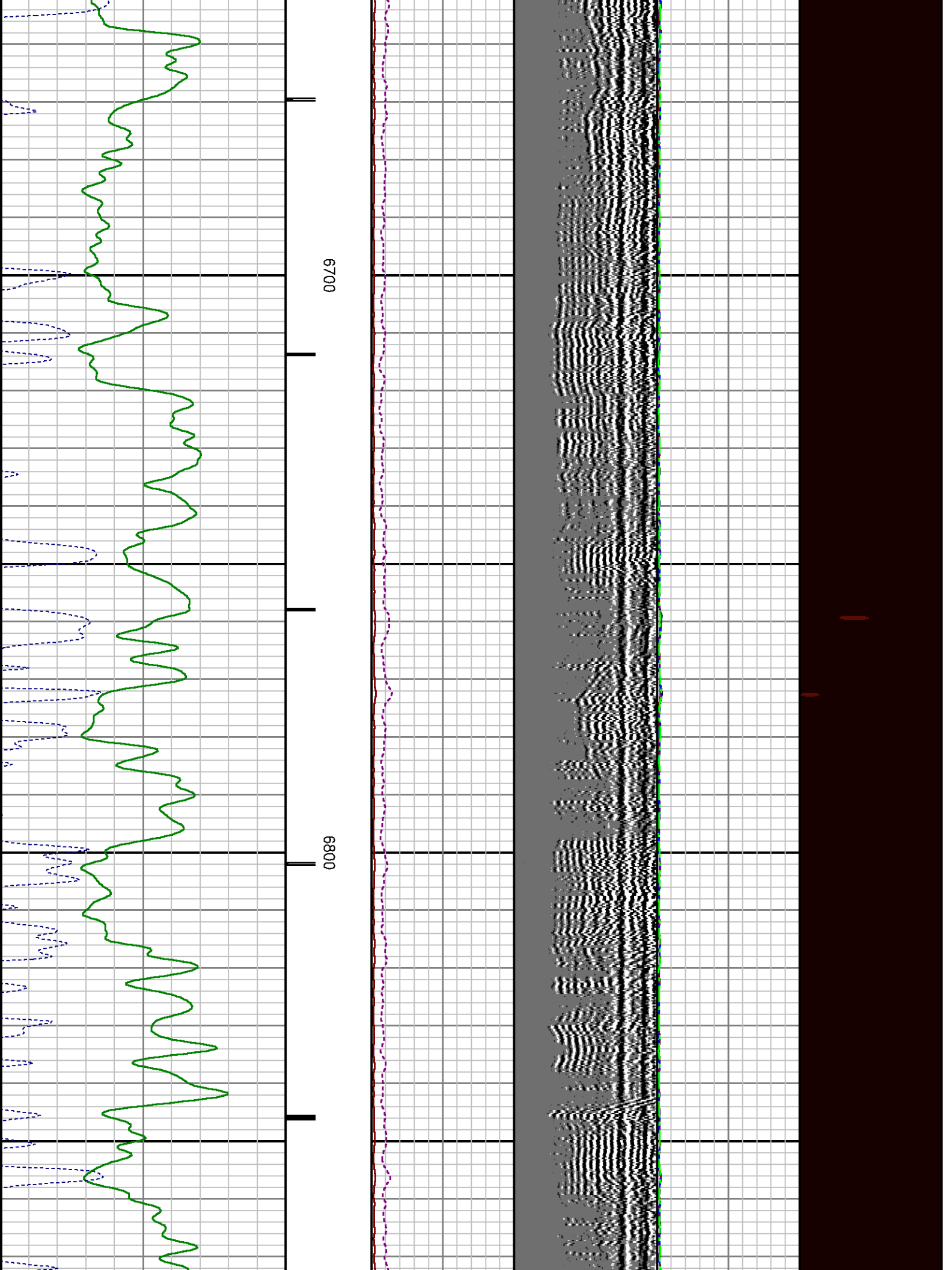


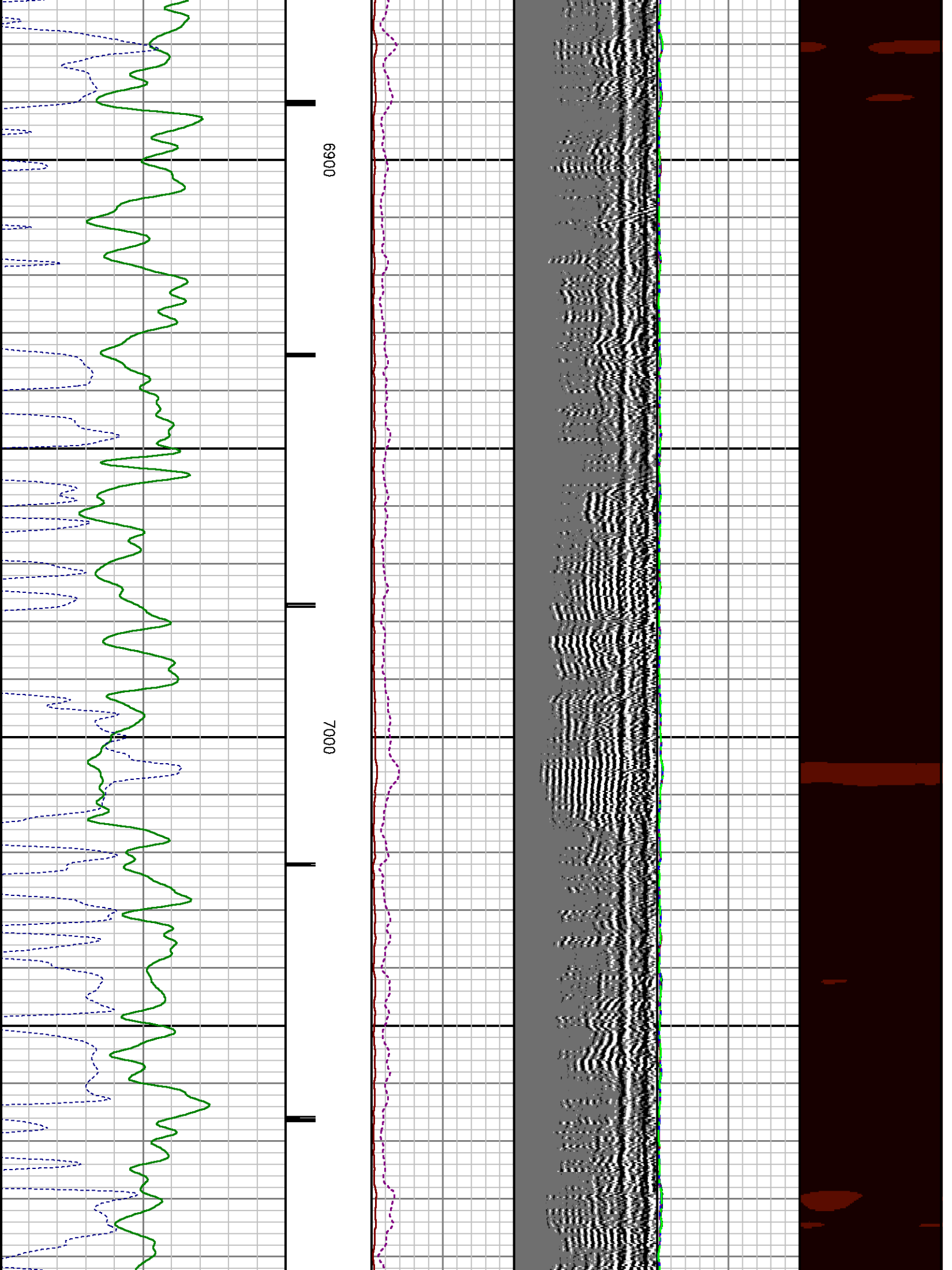


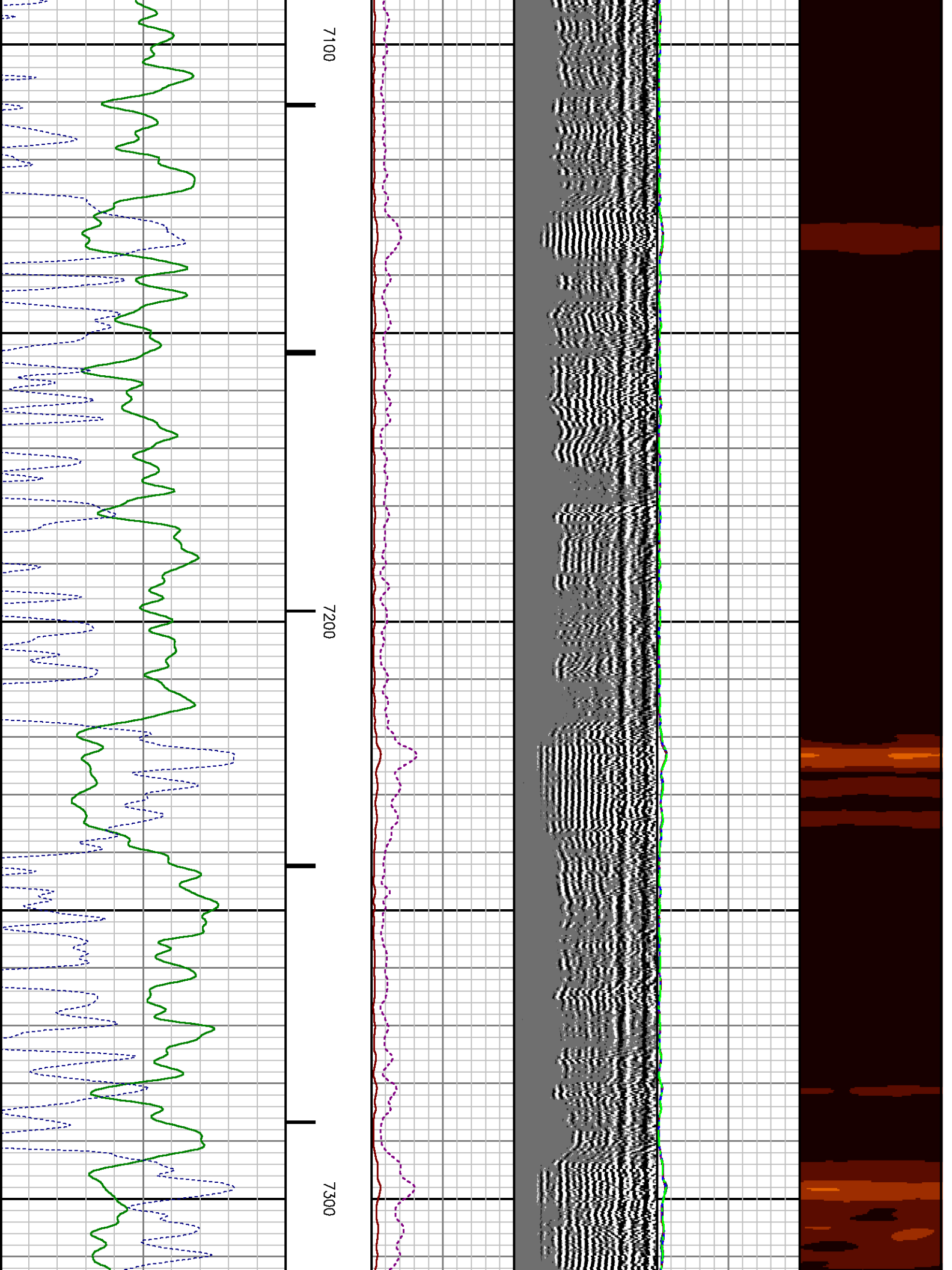


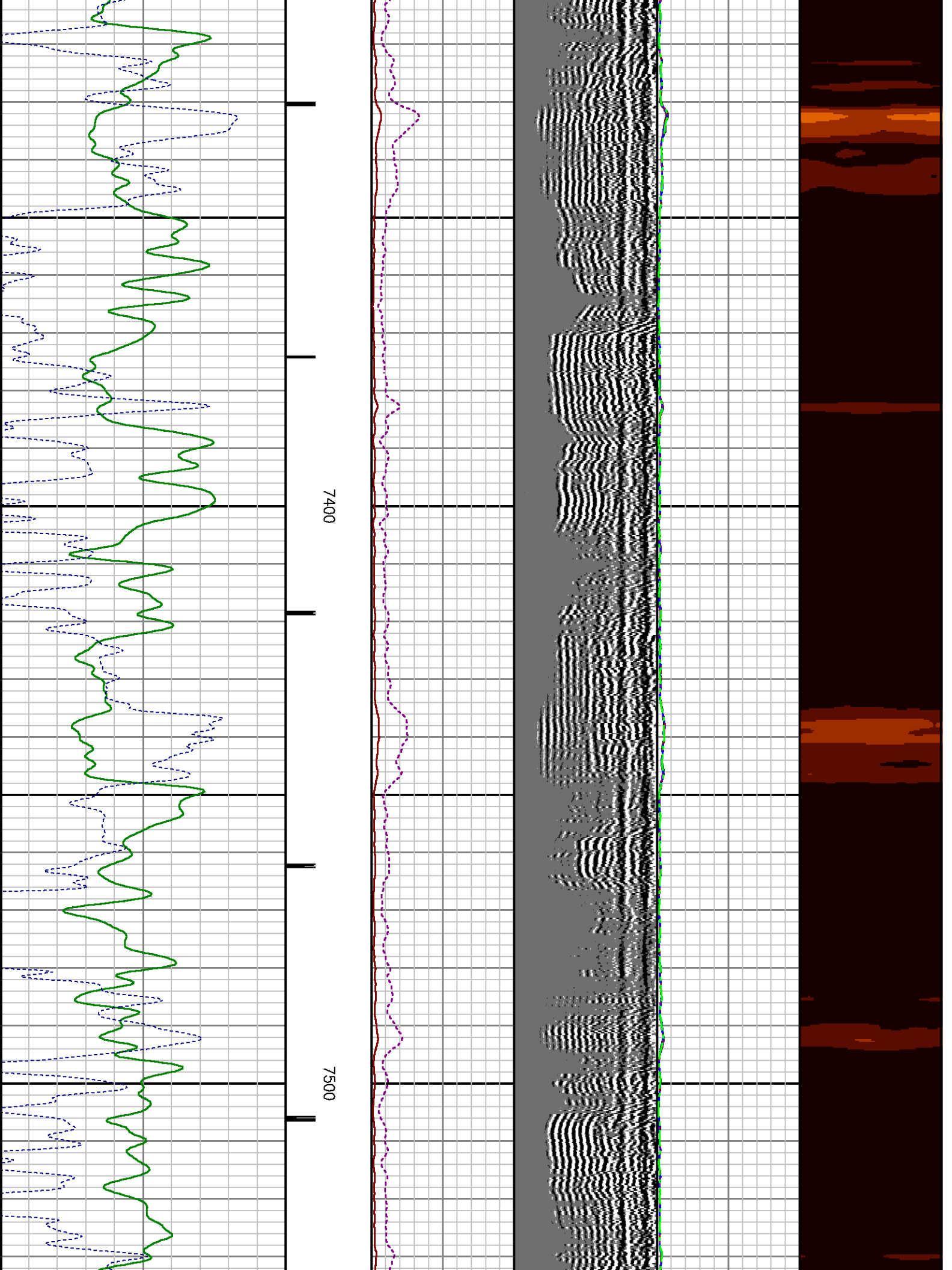


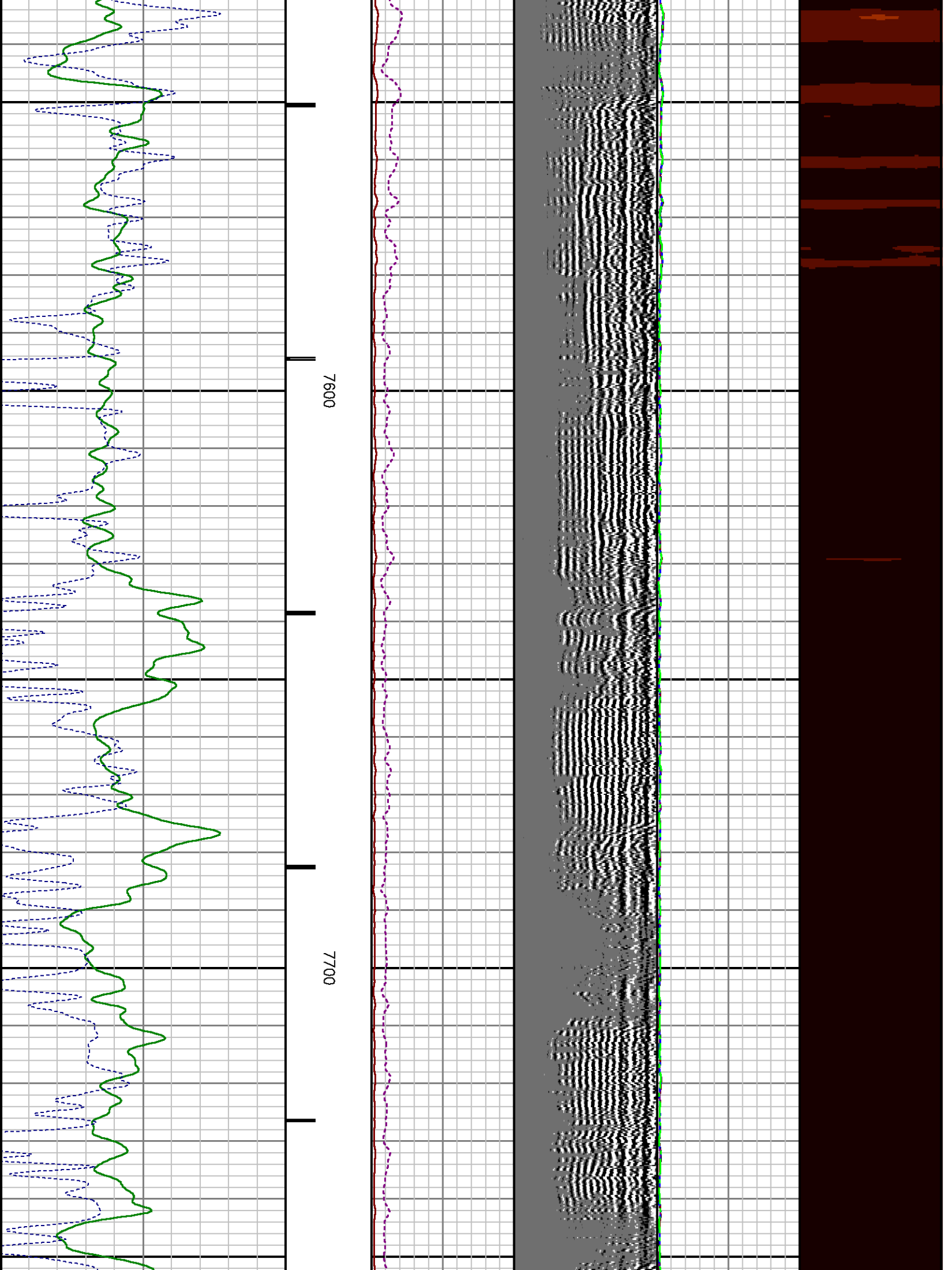


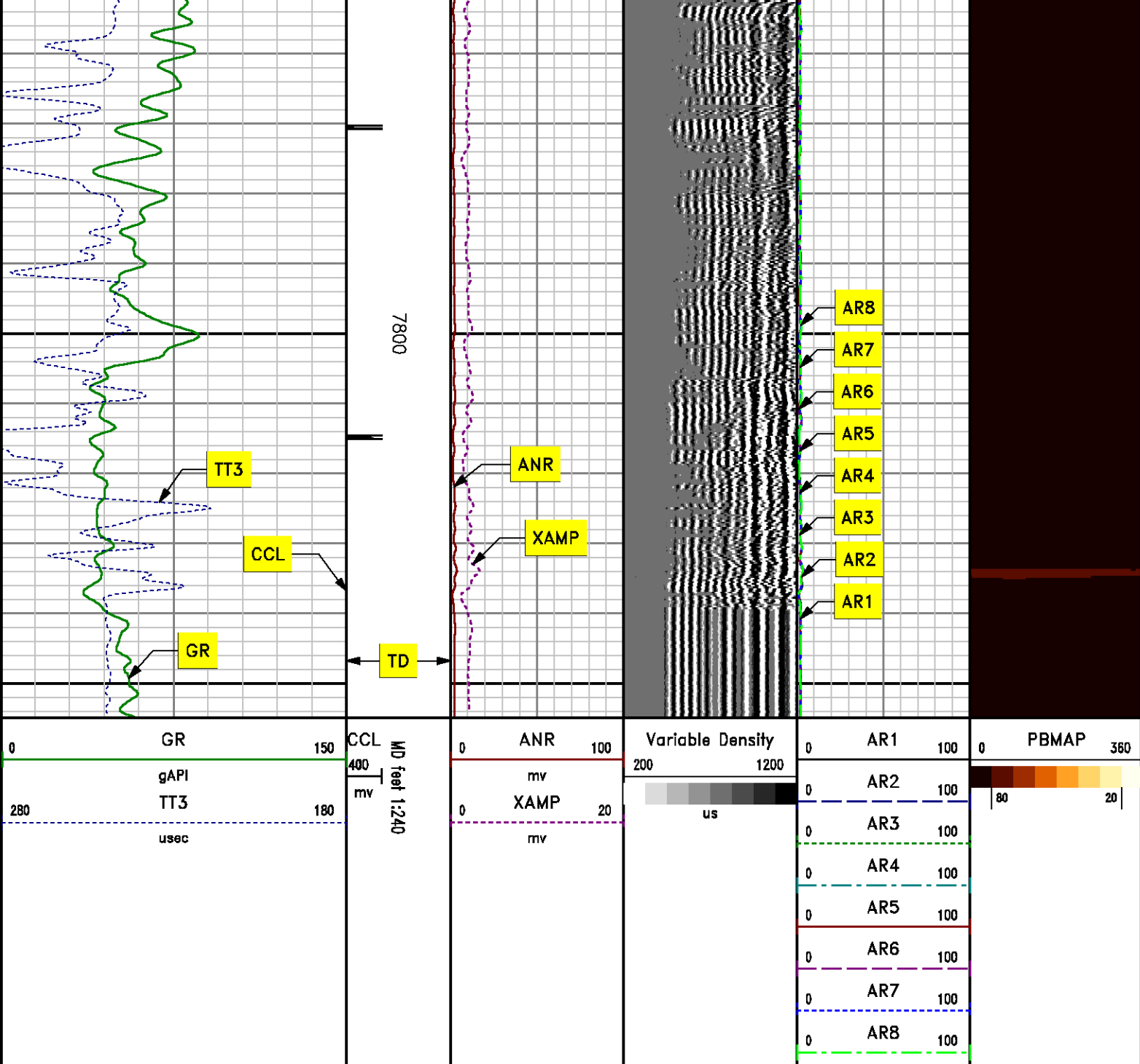












REPEAT PASS
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	328.118	usec	7529.750	7868.000
RAL	Amp Gate Start Near	197.374	usec	7529.750	7868.000
RAL	Amp Gate Start Radial	198.578	usec	7529.750	7868.000
RAL	Amp Gate Width Far	25.000	usec	7529.750	7868.000
RAL	Amp Gate Width Near	25.000	usec	7529.750	7868.000
RAL	Amp Gate Width Radial	25.000	usec	7529.750	7868.000
RAL	casing od	4.500	inches	7529.750	7868.000
RAL	casing wt	11.600	lbm/ft	7529.750	7868.000
RAL	FB Start Far	291.900	usec	7529.750	7868.000
RAL	FB Start Near	175.391	usec	7529.750	7868.000
RAL	FB Start Radial	175.391	usec	7529.750	7868.000
RAL	FB Thresh Far	10.000	mv	7529.750	7868.000
RAL	FB Thresh Near	4.000	mv	7529.750	7868.000
RAL	FB Thresh Radial	4.000	mv	7529.750	7868.000
RAL	Fluid Travel Time	200.000	usec/ft	7529.750	7867.906

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES					
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4
		AR5	AR6	AR7	AR8	CHV	FPR2
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-10.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

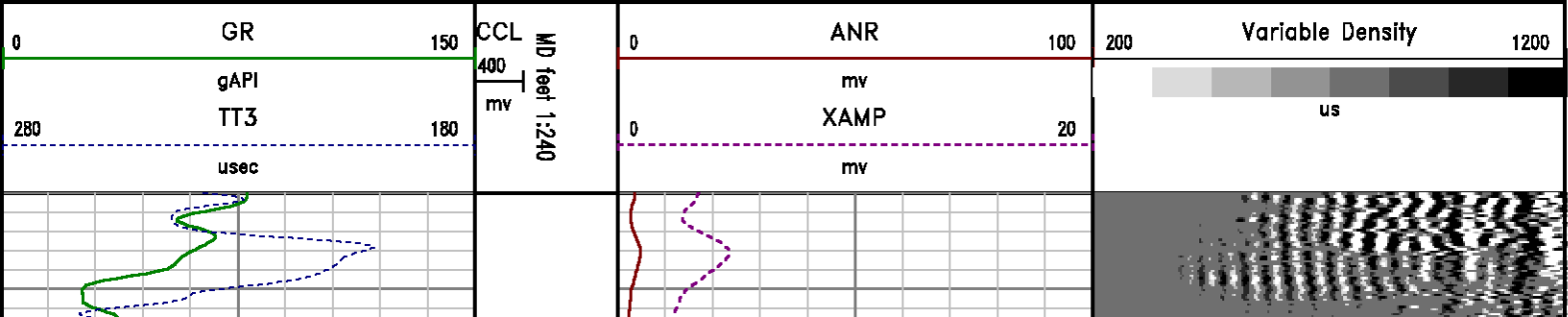
Well : GOLDSBOROUGH PA 412-11

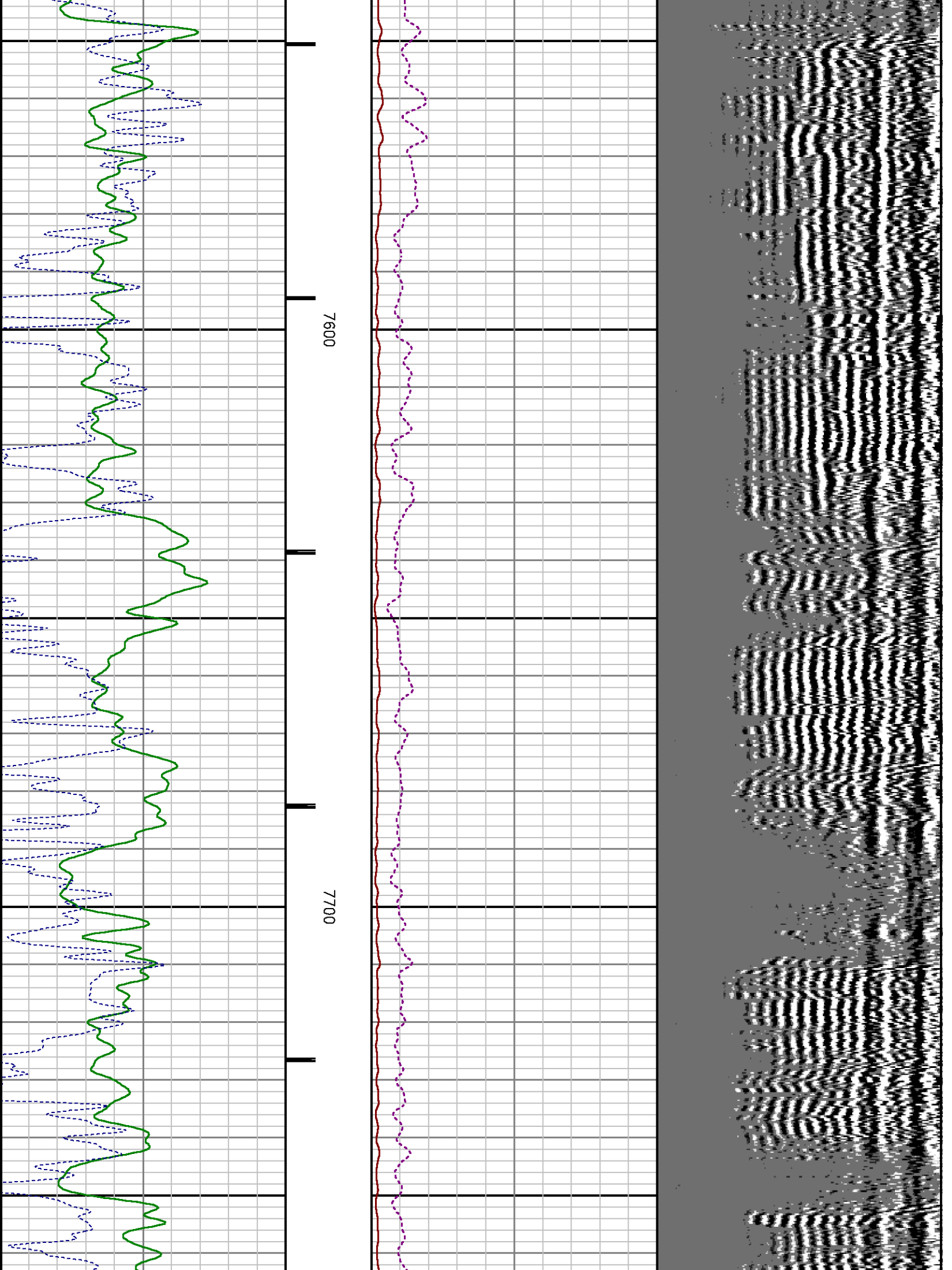
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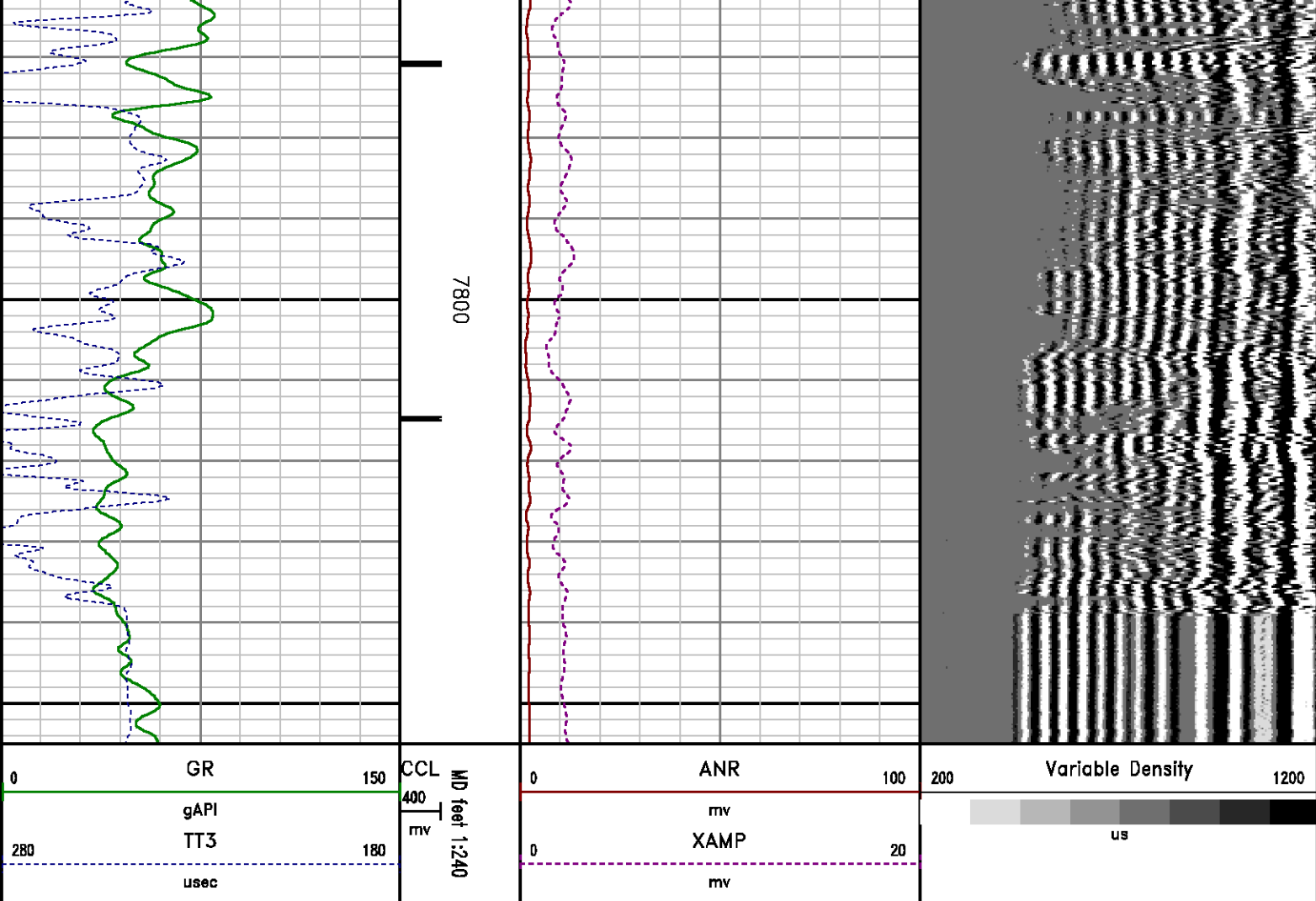
Mode : PlotMgr 5.4.504

Interval : 7530.00 - 7855.00 feet UP

Created : 5/23/2013 8:17:29 AM







CALIBRATION SUMMARY

RALSHP

Shop Calibration: C:\case\calver\RALSHP\028M23 shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu May 23 07:42:03 2013 TOOL SERIES: 1426XA ASSET: 028 SEQ: M23

Tool Delay [u sec] -57.00 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	216	216	30	166	25	0.489	100.00	0.21
3 Ft. Receiver	217	216	30	166	25	1.301	100.00	0.21
5 Ft. Receiver	351	348	30	282	25	-0.062	150.00	0.17
Radial #1	215	216	30	166	25	1.301	100.00	0.21

Radial #1	218	216	30	166	25	4.721	100.00	0.21
Radial #2	218	216	30	166	25	2.566	100.00	0.21
Radial #3	217	216	30	166	25	2.196	100.00	0.21
Radial #4	216	216	30	166	25	1.228	100.00	0.21
Radial #5	216	216	30	166	25	-0.285	100.00	0.21
Radial #6	215	216	30	166	25	1.517	100.00	0.21
Radial #7	215	216	30	166	25	-0.216	100.00	0.21
Radial #8	218	216	30	166	25	3.774	100.00	0.21

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\028M23 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu May 23 07:43:17 2013 TOOL SERIES: 1426XA ASSET: 028 SEQ: M23

Tool Delay [usec] -57.00 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	0.128	0.000	1.00	100.000
3 Ft. Receiver	200	30	-0.479			
5 Ft. Receiver	317	30	-0.515			
Radial #1	200	30	-0.442			
Radial #2	200	30	-0.383			
Radial #3	200	30	-0.353			
Radial #4	200	30	-0.281			
Radial #5	200	30	-0.404			
Radial #6	200	30	-0.365			
Radial #7	200	30	-0.346			
Radial #8	200	30	-0.407			

GAMMA RAY

Calibration File: C:\case\calver\GR\209M2.cal

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun May 12 13:40:15 2013 TOOL SERIES: 1355XA ASSET: 209 SEQ: M2

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	129.07	523.51	0.469	60.53	245.53	185.00

Verification File: C:\case\calver\GR\209M2.VP

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K WA612	131.47	531.85	0.469	61.66	249.45	187.79

TOOL DIAGRAM

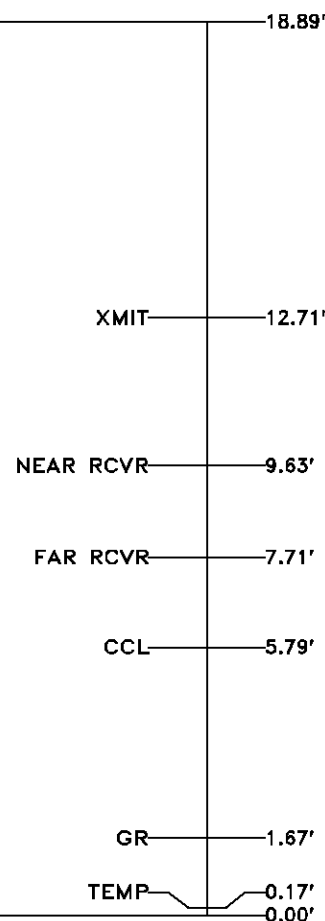
OTA SHORT CABLE HEAD

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

RAL GR/TEMP/CCL/CHV DETECTOR

Series	1355XA
Mnemonic	RAL
Diameter	2.75"
Weight	85.00 lb
Length	6.96'
Measure Point	0.17' TEMP
Measure Point	1.67' GR
Measure Point	5.79' CCL
Temp Rating	400.00 °F
Press Rating	20000.00 PSI



Total Length: 18.89'
Total Weight: Not Available
Max Diameter: 0' 2.75"



Baker Atlas

Company
Well
Field
County

WPX ENERGY

GOLDSBOROUGH PA 412-11

PARACHUTE

GARFIELD

State

COLORADO

Location

CUL - 04171 DUL - 00501 FUL - 00211

Elevations

KD - 6005.41

File No:

CH072152

API No:

05045218270000

11.70.05%

	<p>SRL: 2415' FNL & 2052' FWL SEC:11 BHL: 2047' FNL & 657' FWL SEC:11</p> <p>SEC 11 TWP 7S RGE 95W</p>	<p>KB 6295 11 DF GL 6274 11</p>	<p>11 7S 95W PA 22-11 CYCLONE 17</p>
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