



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No:	Company	WPX ENERGY
CH053989	Well	JOLLEY KP 523-8
API No:	Field	KOKOPELLI
05045209970000	County	GARFIELD
	State	COLORADO

8 6S 91W KP 24-8 PAD NABORS 574	Location	SHL: 196' FSL 2306' FML SECTION 8 BHL: 1516' FSL 1978' FML SECTION 8	Other Services	RPM
	SEC 8	TWP 6S	RGE 91W	

Permanent Datum	G.L.	Elevation	6526 ft	Elevations
Log Measured From	K.B.	26 ft	Above P. D.	KB 6552 ft DF
Drill Measured From	KELLY BUSHING			GL 6526 ft

Date	17 MAY 2012
Run	ONE
Service Order	574924
Depth Driller	7454 ft
Depth Logger	7425 ft
Bottom Logged Interval	7415 ft
Top Logged Interval	26 ft
Time Started	1100
Time Finished	1400
Operator Rig Time	3 HRS
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	178 degF
Reference Log	NA
Reference Log Date	NA
Equipment No.	4271
Location	GRAND JUNCTION
Recorded By	JACOB STALEY
Witnessed By	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	1289 ft
7.875 In	0 ft	7891 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In			0 ft	1289 ft
4.5 In			0 ft	7891 ft

Remarks
ALL DATA WAS DEPTH SHIFTED TO PUT THE TOP CCL MARK ON DEPTH WITH GROUND LEVEL WITH A SHIFT OF +6 FT
LOGGED WITH 0 PSI AT WELLHEAD
BHT = 178 DEG F
SJ = 4146'-4167'

Equipment Data

Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1428XA	10218496	CENT
1	1	GR/CCL	1355XA	10580209	CENT

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	303.000	usec	26.125	7441.000
RAL	Amp Gate Start Near	197.000	usec	26.125	7441.000
RAL	Amp Gate Start Radial	197.000	usec	26.125	7441.000
RAL	Amp Gate Width Far	25.000	usec	26.125	7441.000
RAL	Amp Gate Width Near	25.000	usec	26.125	7441.000
RAL	Amp Gate Width Radial	25.000	usec	26.125	7441.000
RAL	casing od	5.500	inches	26.125	7441.000
RAL	casing wt	15.500	lbm/ft	26.125	7441.000
RAL	FB Start Far	307.187	usec	26.125	7441.000
RAL	FB Start Near	190.678	usec	26.125	7441.000
RAL	FB Start Radial	190.678	usec	26.125	7441.000
RAL	FB Thresh Far	10.000	mv	26.125	7441.000
RAL	FB Thresh Near	4.000	mv	26.125	7441.000
RAL	FB Thresh Radial	4.000	mv	26.125	7441.000
RAL	Fluid Travel Time	200.000	usec/ft	26.125	7440.968

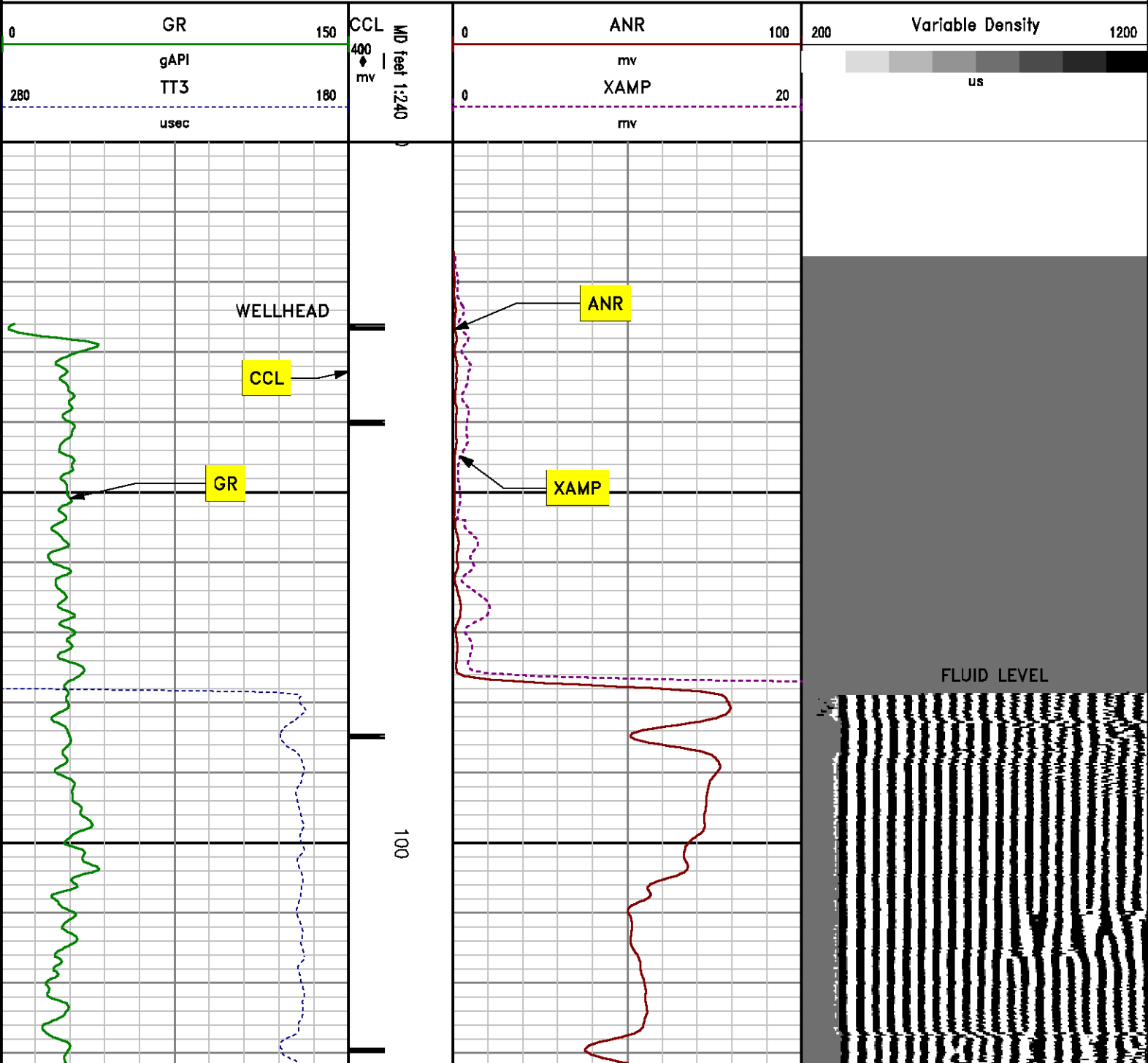
DEPTH OFFSETS
(for Acquired Curves)

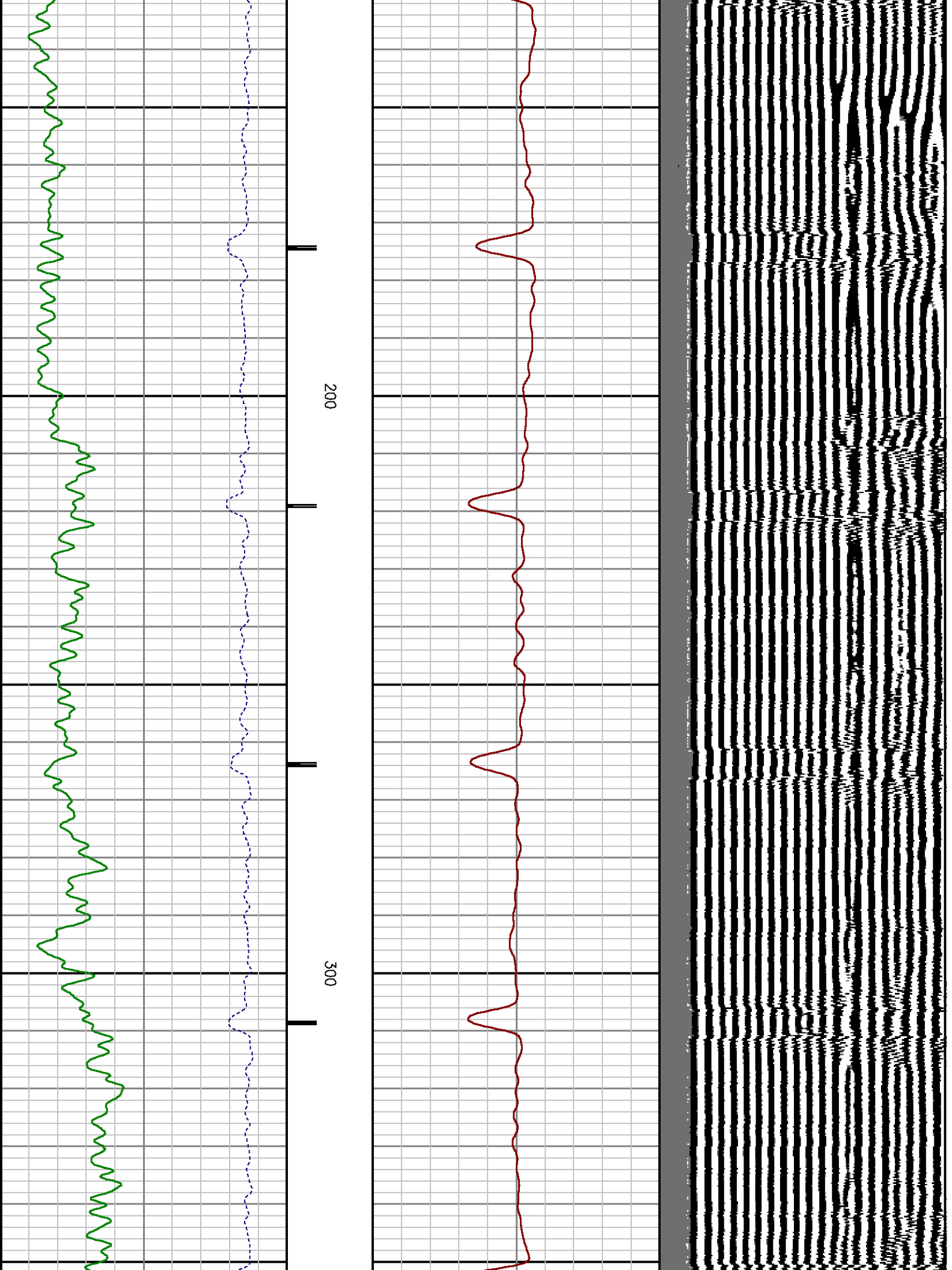
SERIES	DEPTH OFFSET	ACQUIRED CURVES											
1426XA	-11.000	ACAL	ANR	AR1	AR2	AR3	AR4	AR5	AR6	AR7	AR8	CHV	FPR2

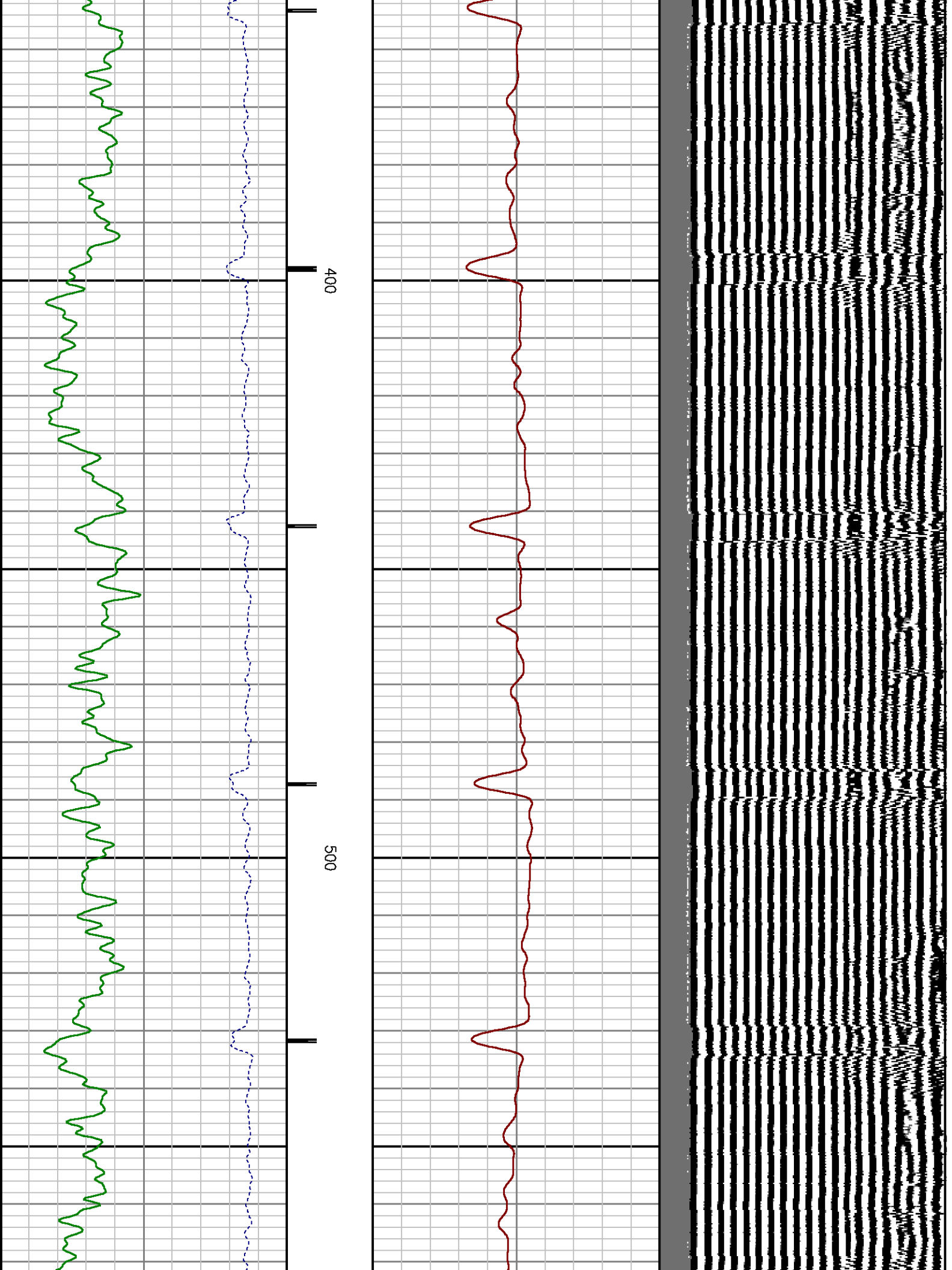
1426XA -10.040
 1355XA -5.620
 1355XA -1.500
 1355XA 0.000

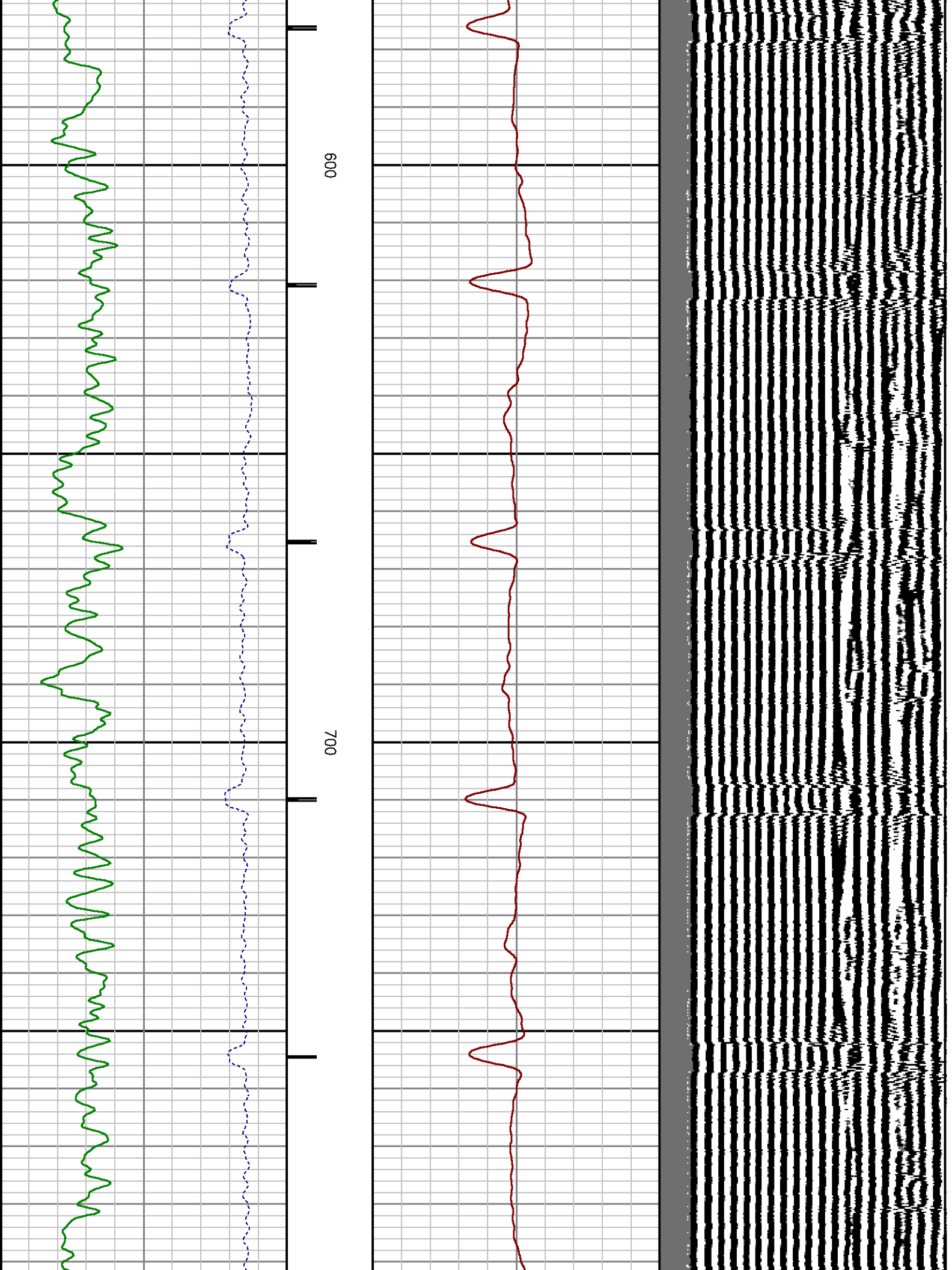
FPR3 FPR5 TT3 TTR1 TTR2 TTR3
 TTR4 TTR5 TTR6 TTR7 TTR8 XAMP
 AFAR SIG TT5
 CCL
 GR
 TEMP

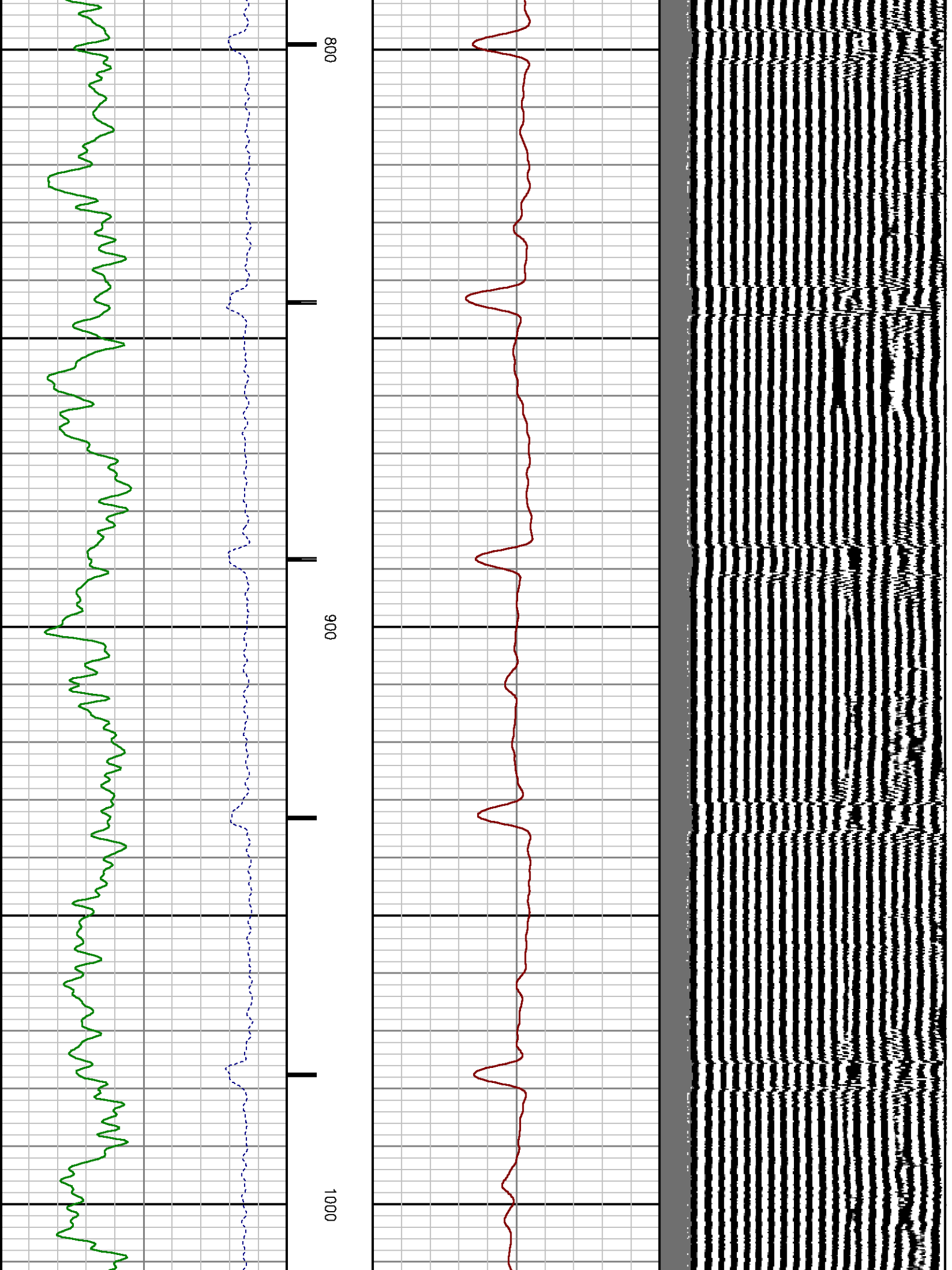
Created by : MIXED
 Plotted by : PlotMgr, v5.4.504
 Company : WPX ENERGY
 Well : JOLLEY KP 523-8
 File Name : d:\welldata\wpx energy\jolley kp 523-8\cb1523\main.xtf
 Mode : PlotMgr 5.4.504
 Interval : 0.00 - 7429.00 feet UP
 Created : 5/17/2012 11:58:03 AM

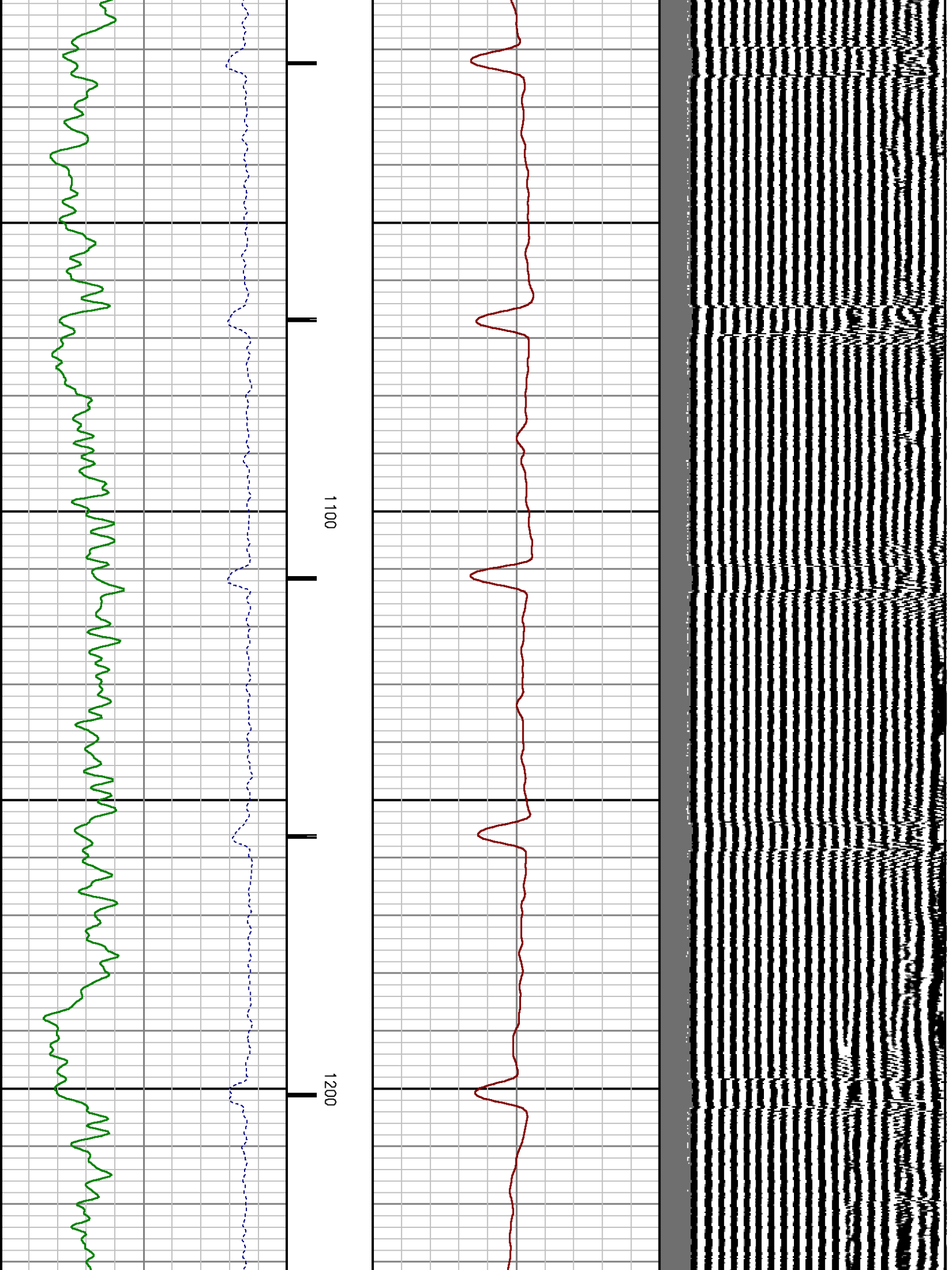


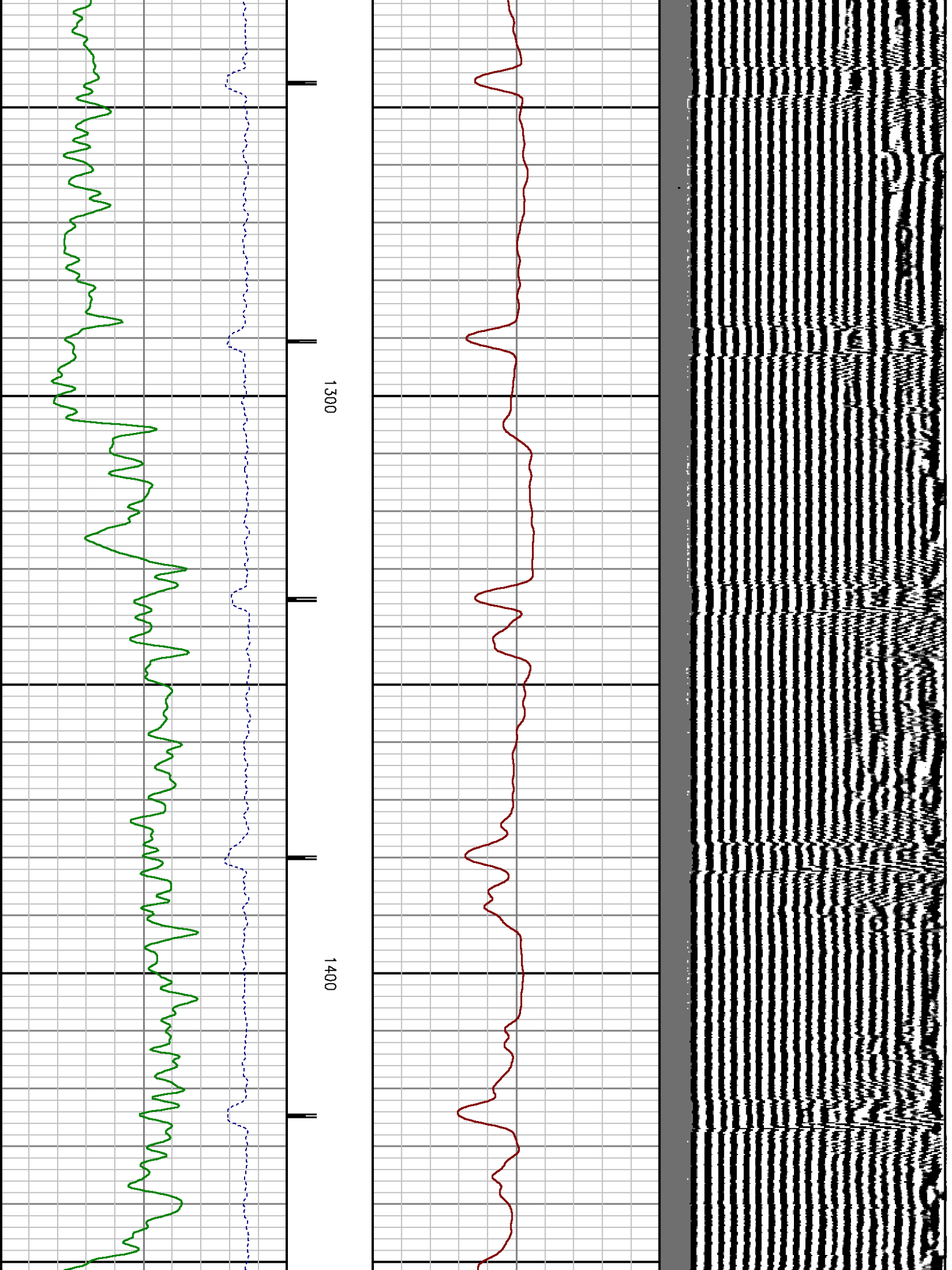


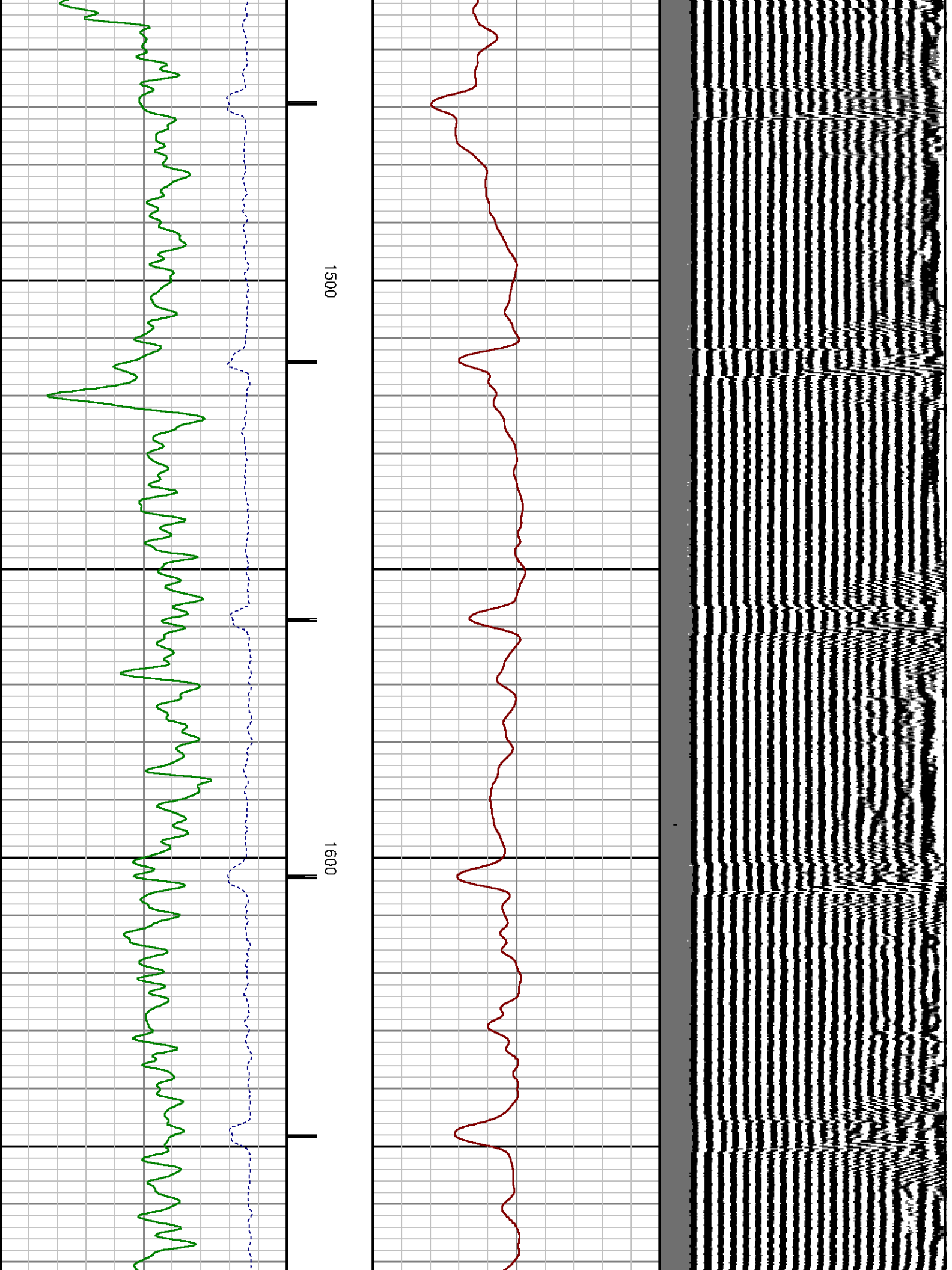


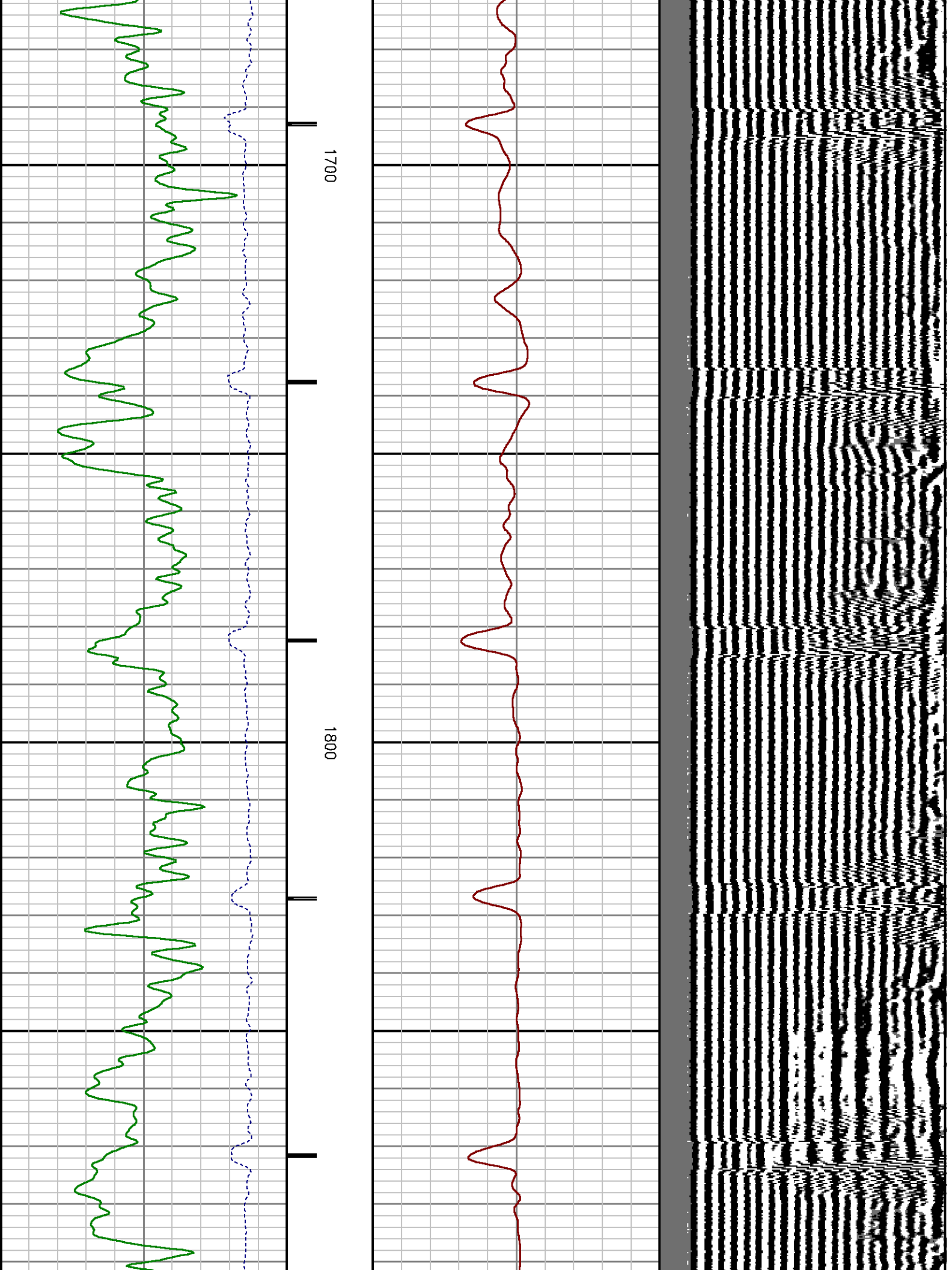


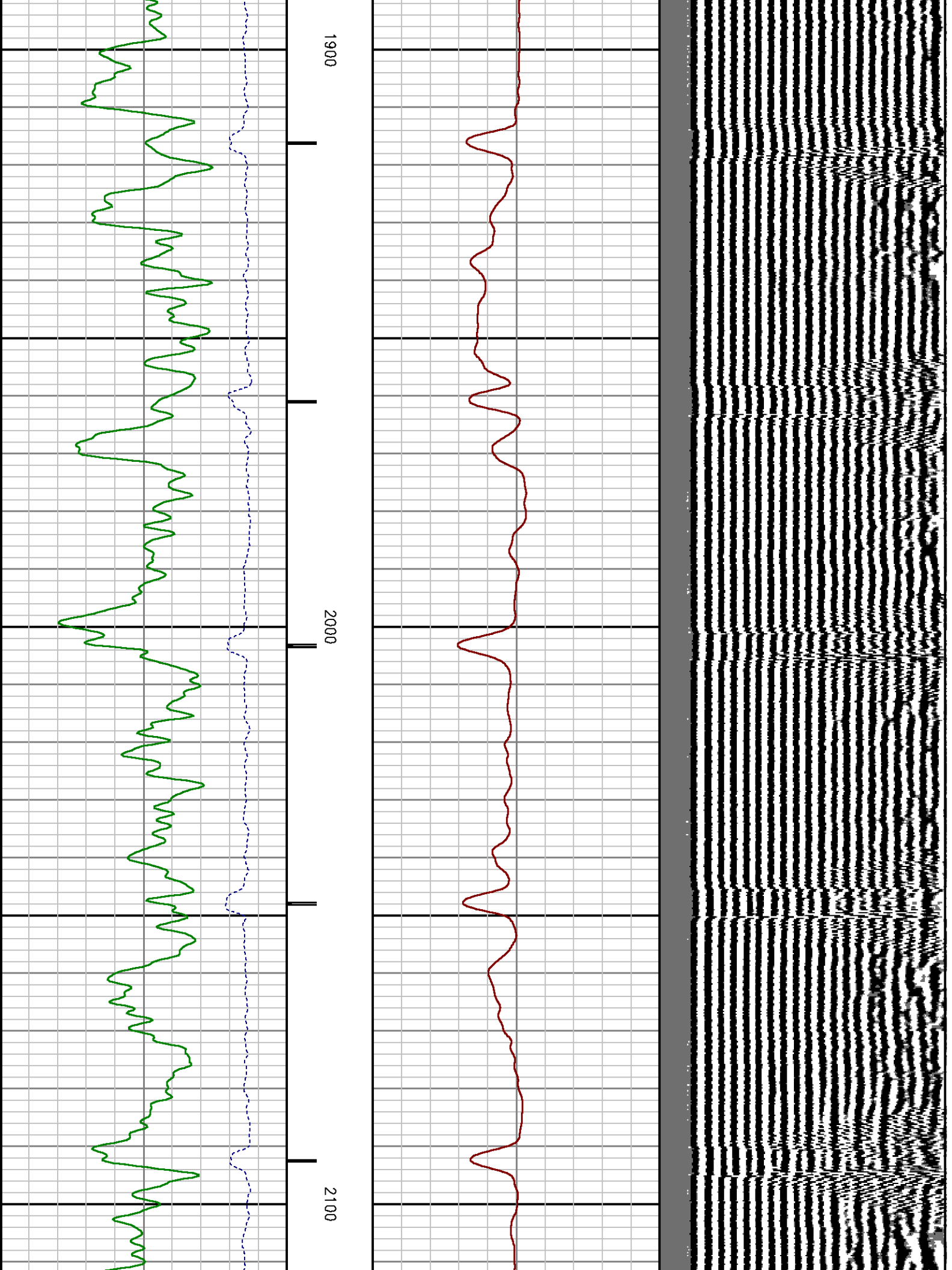


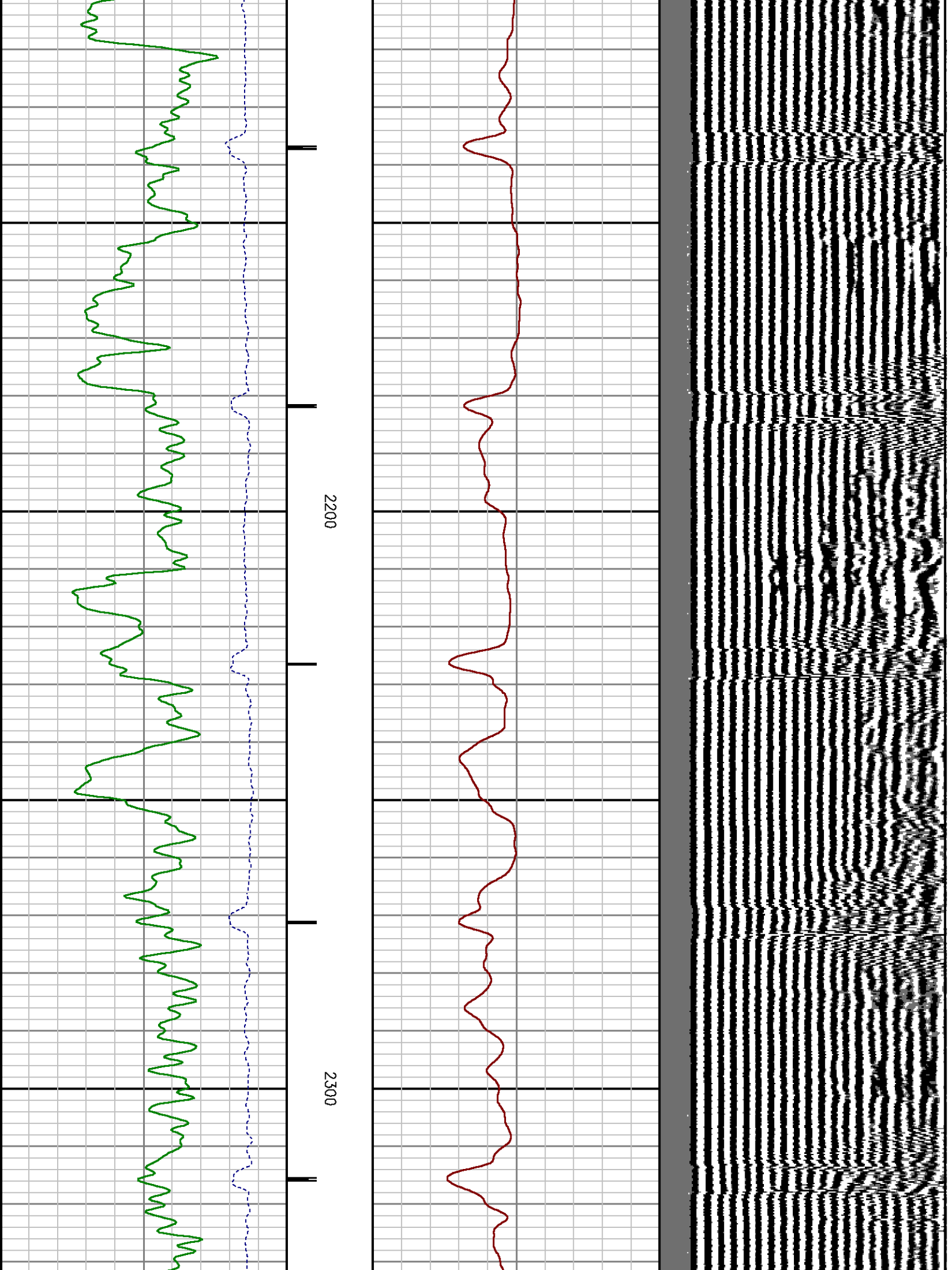


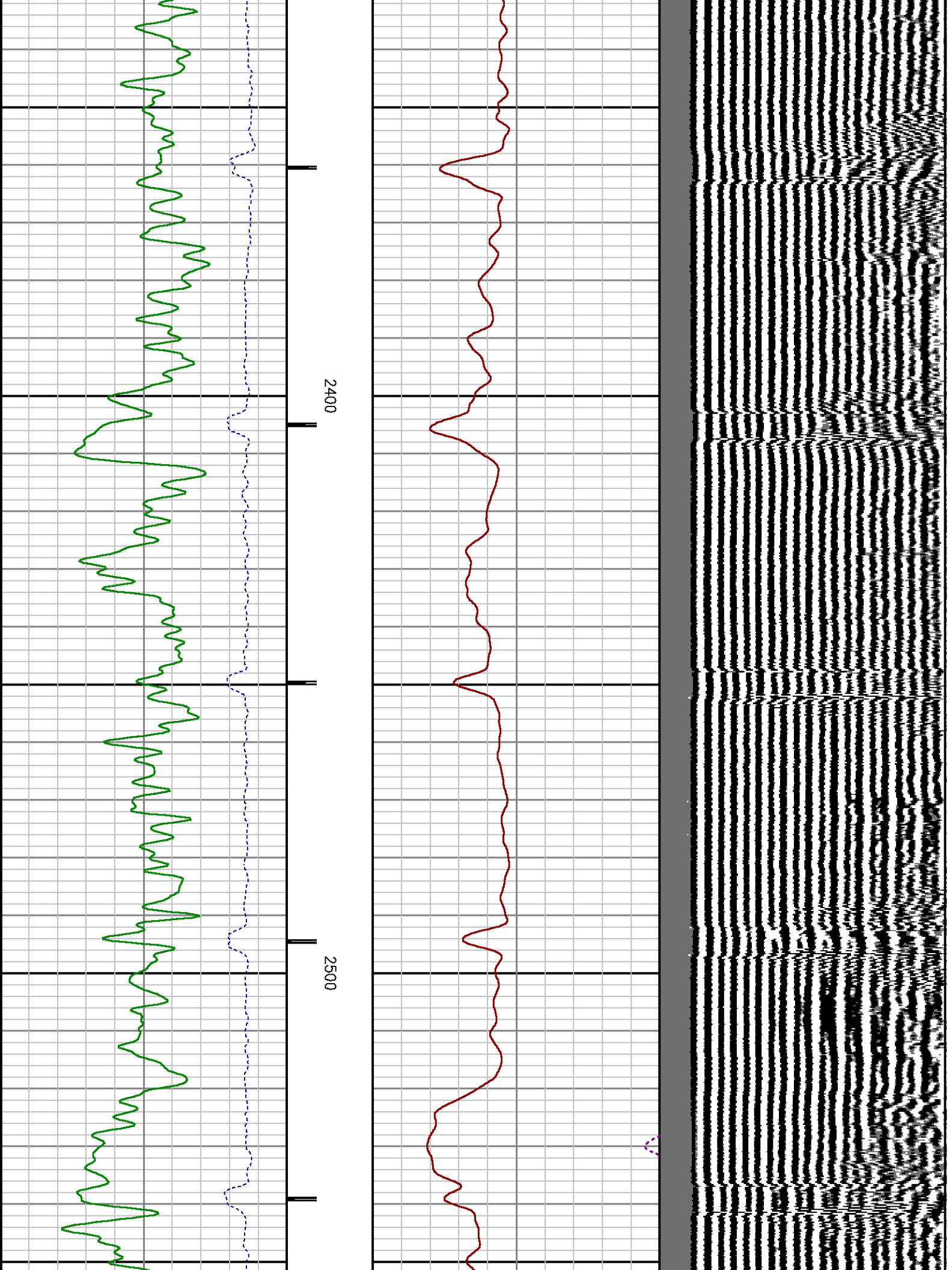


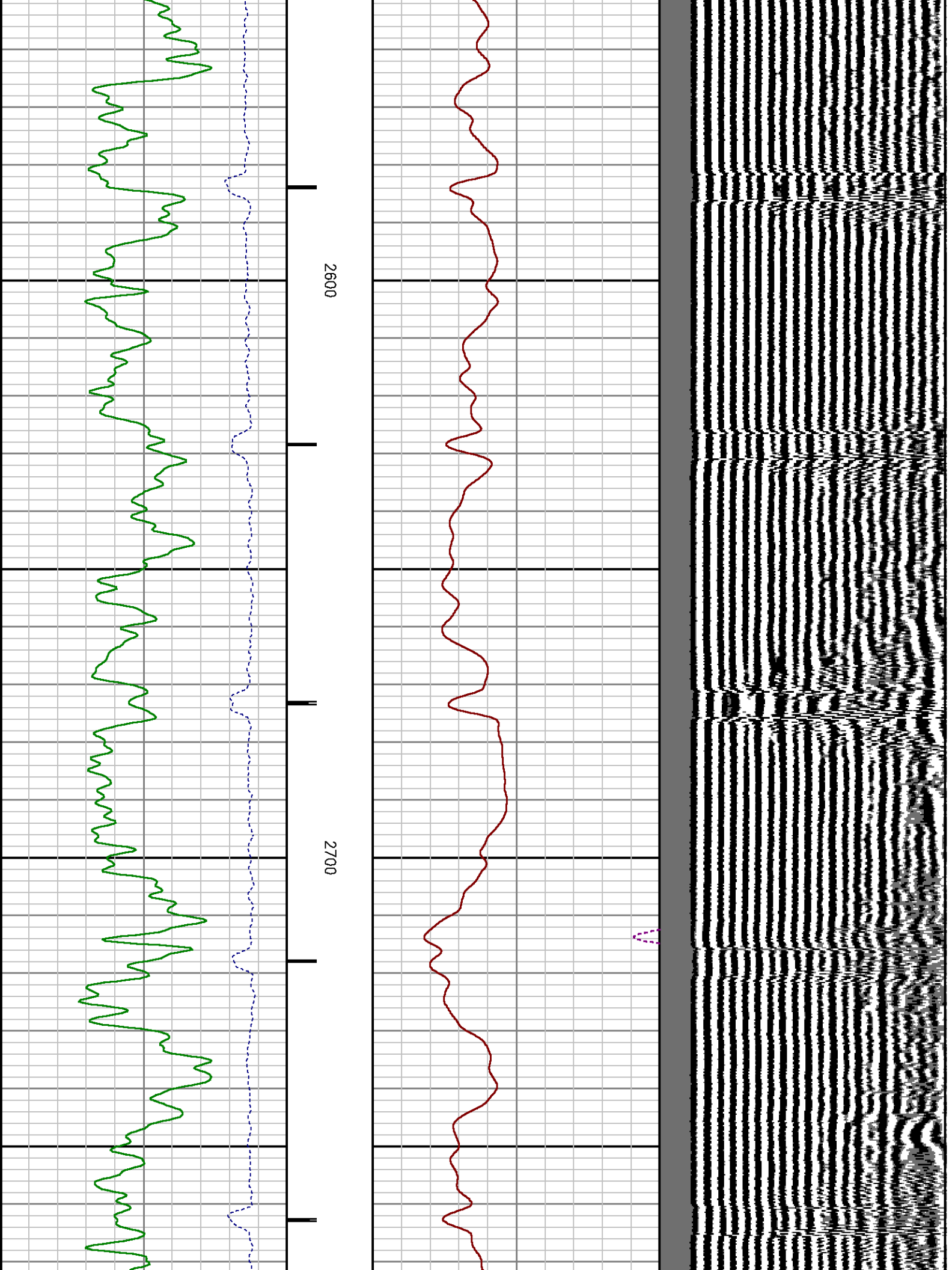


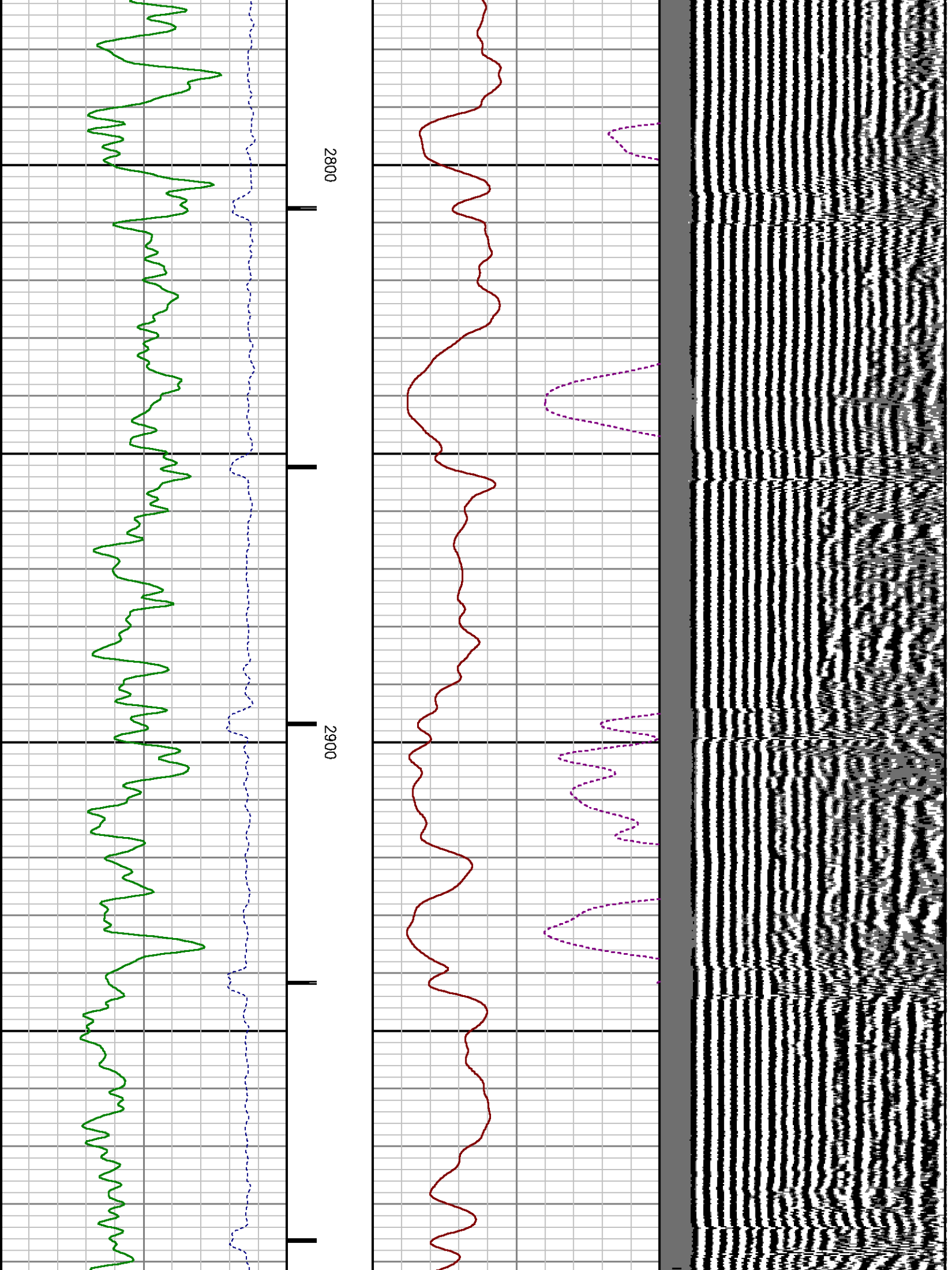


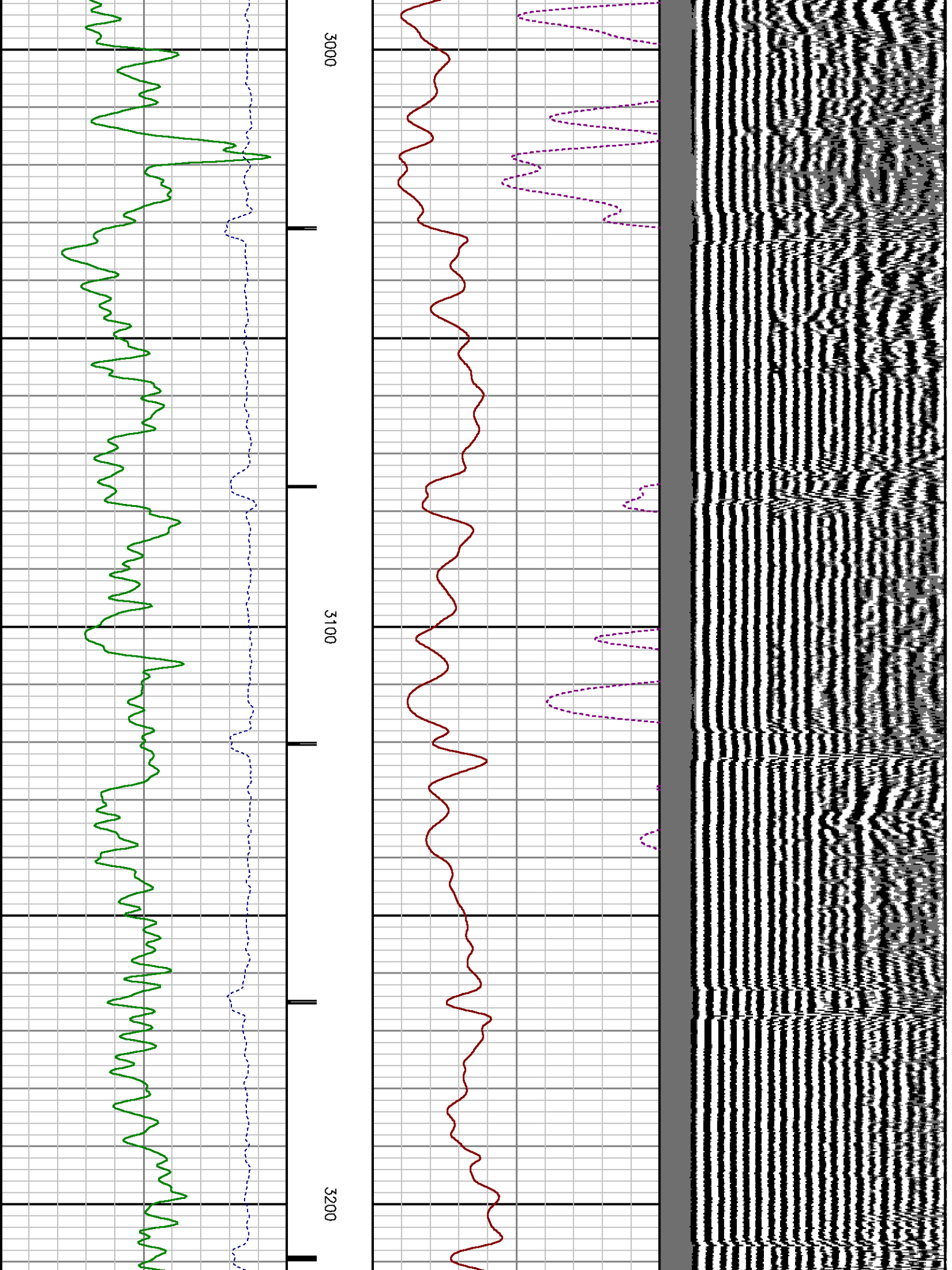


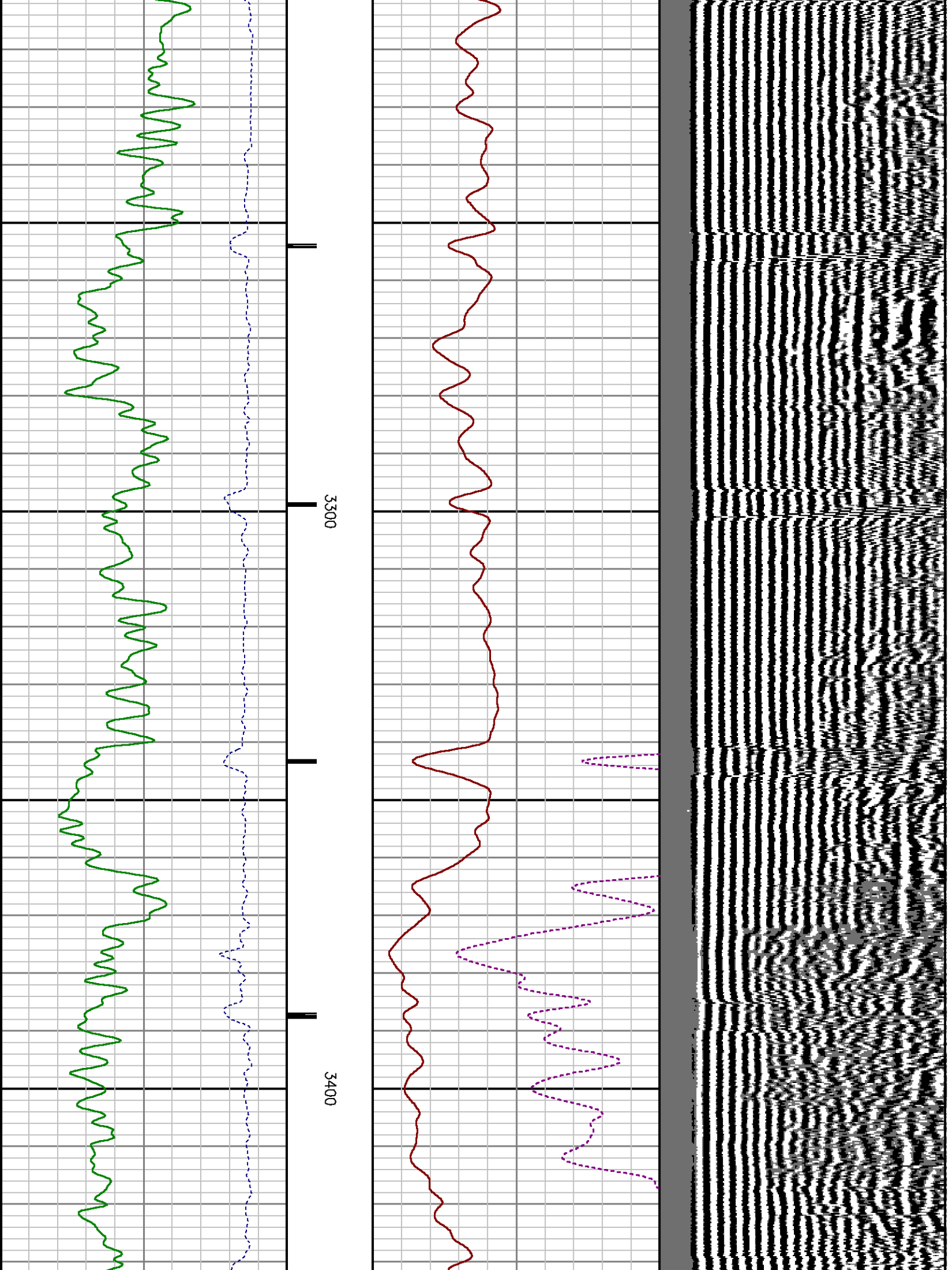


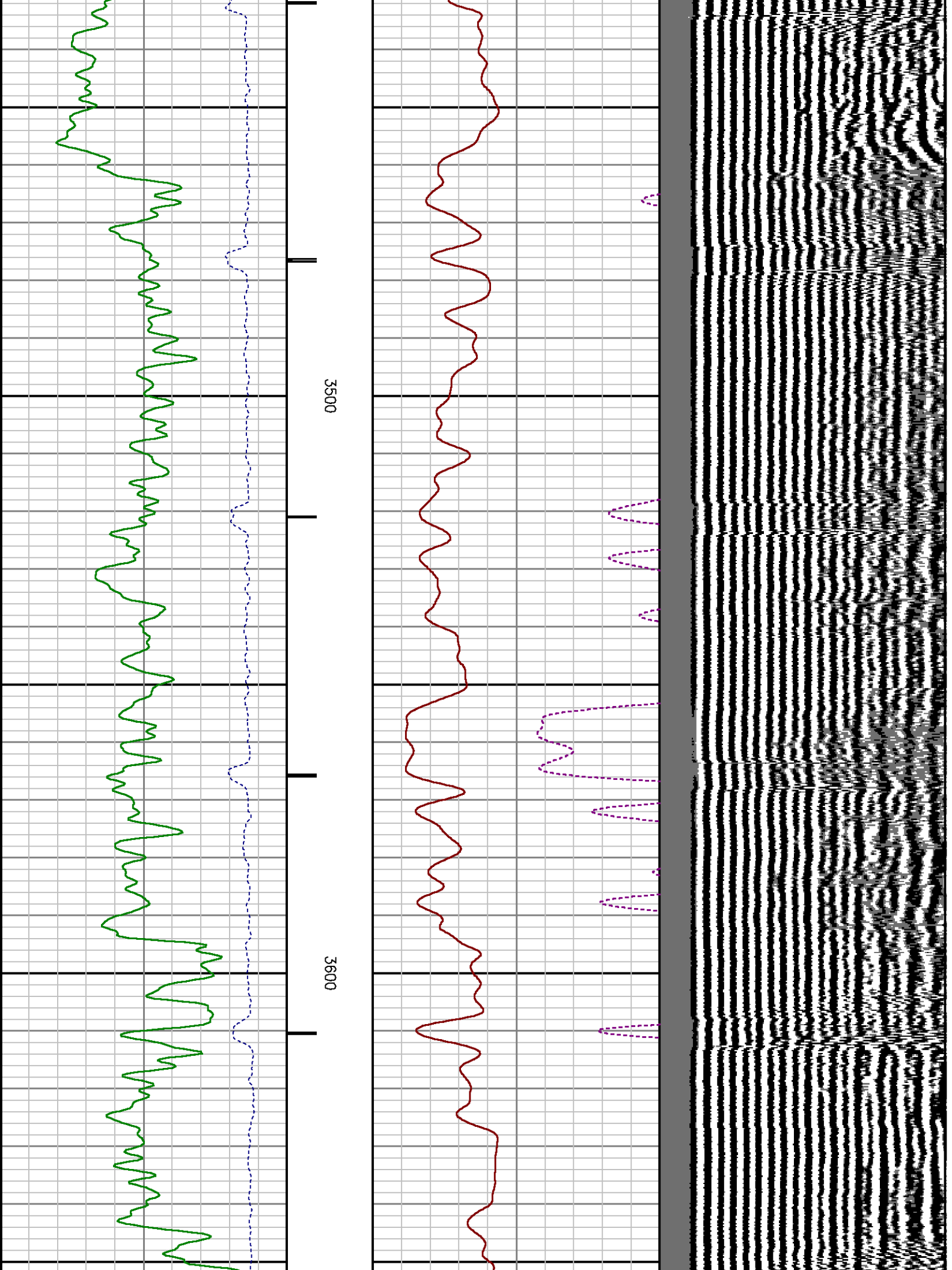


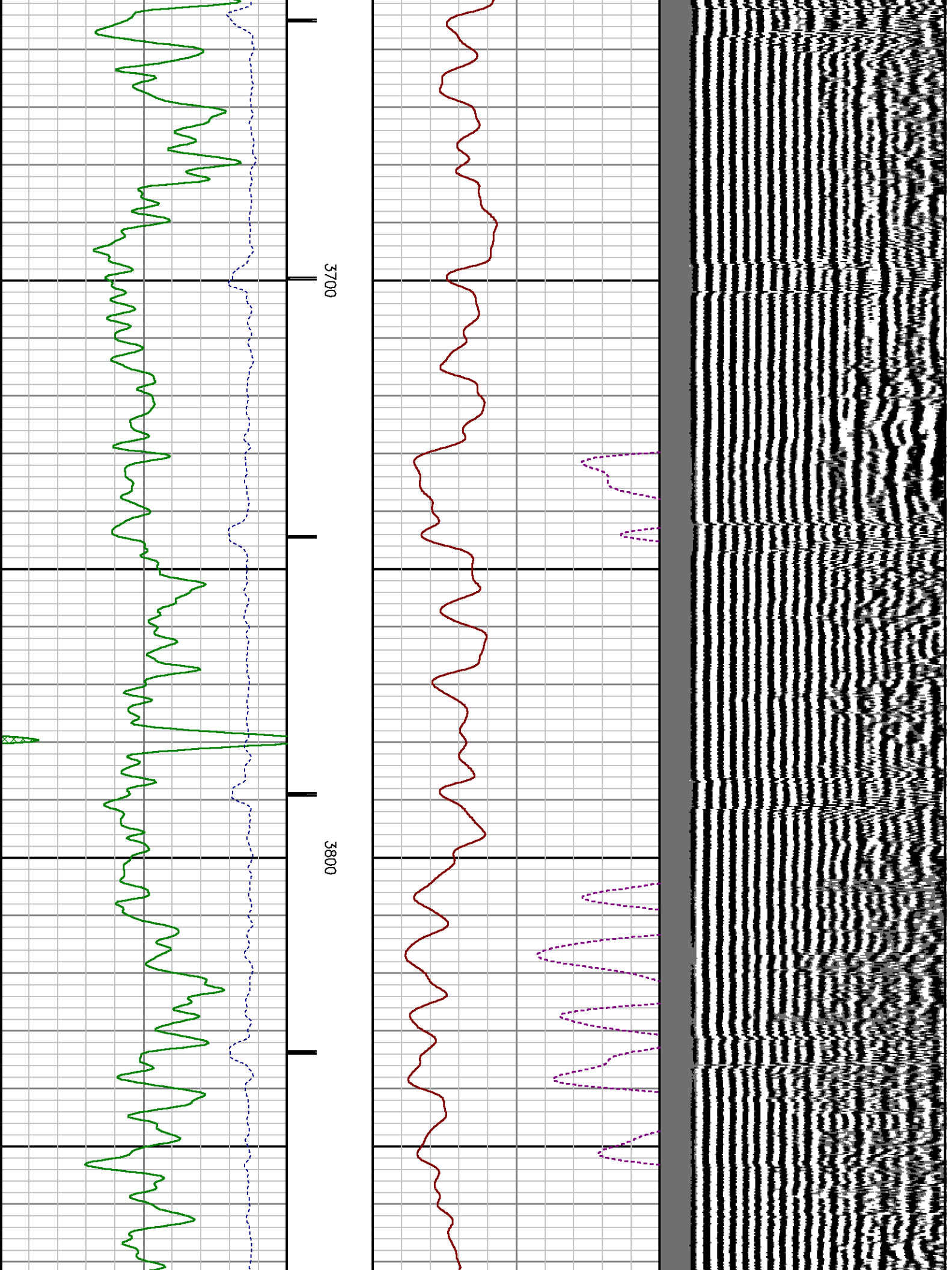


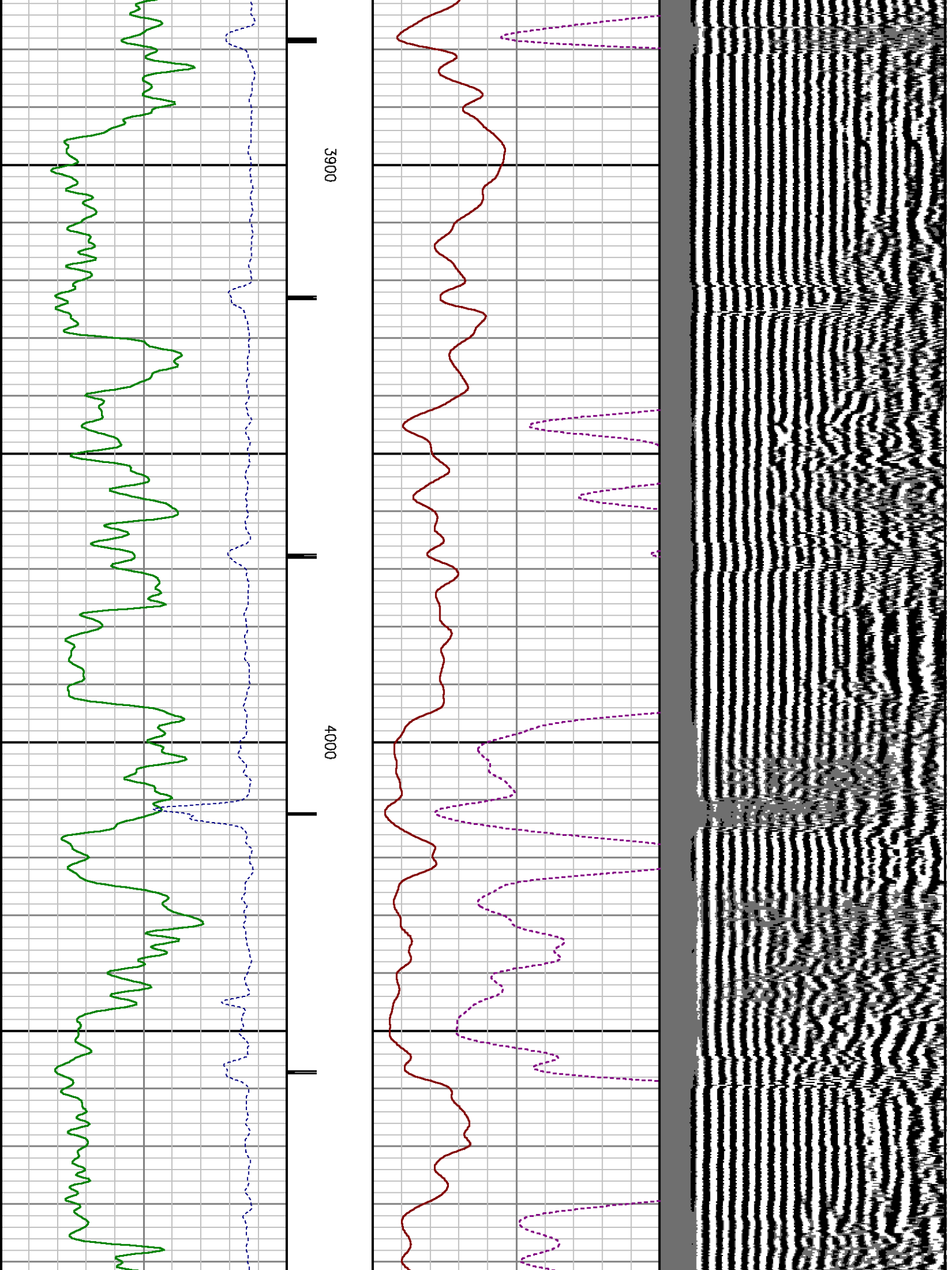


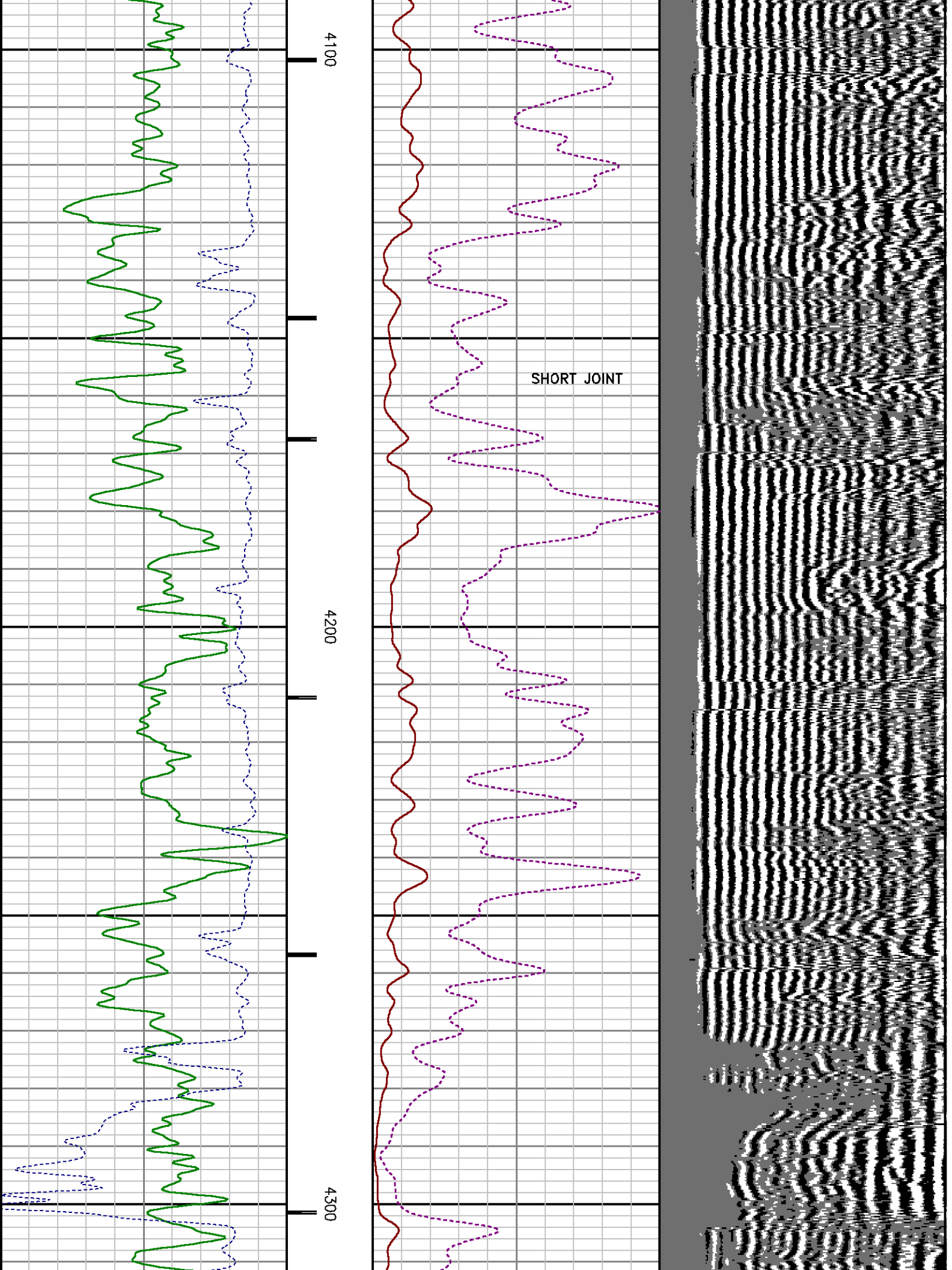


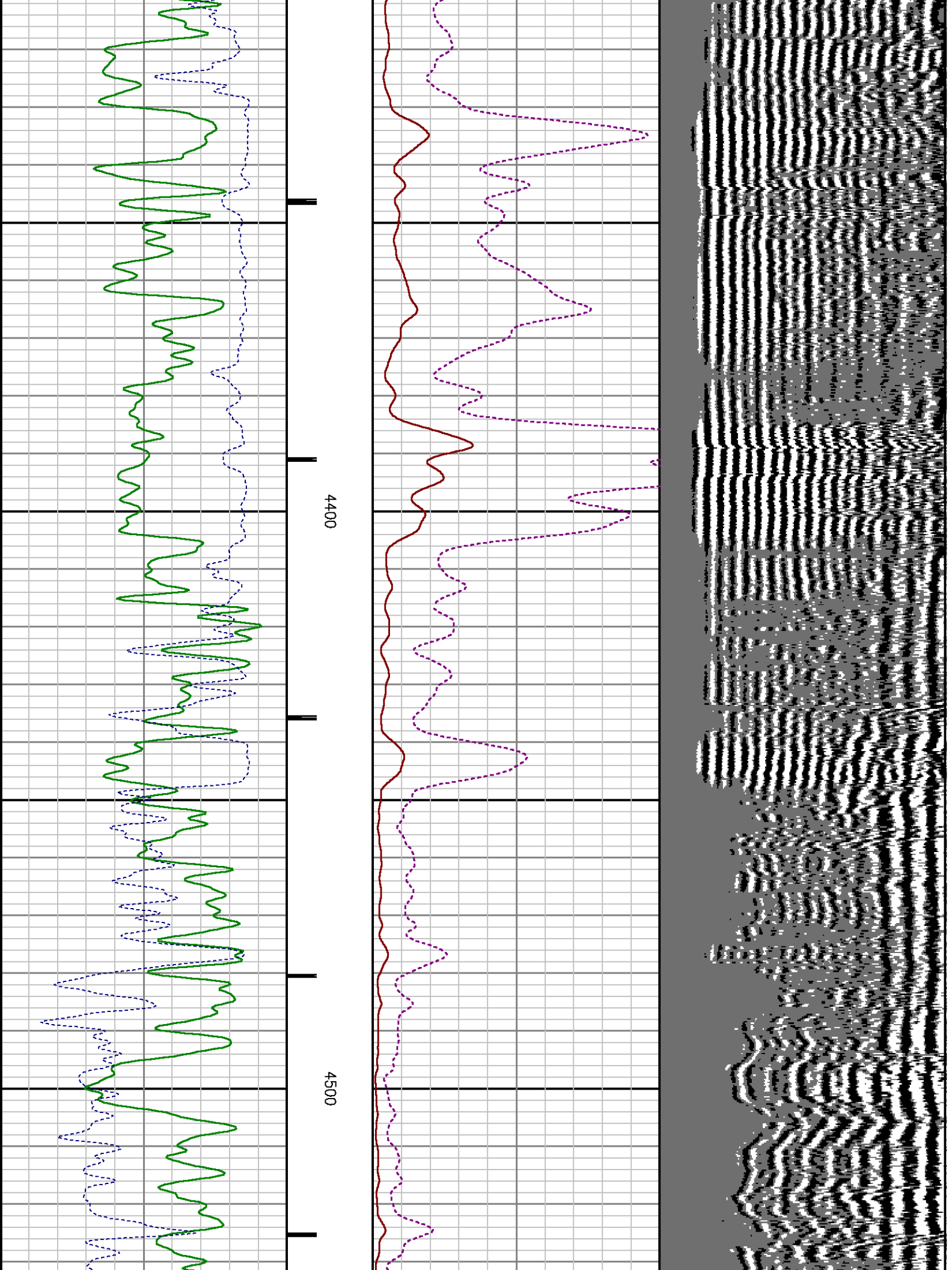


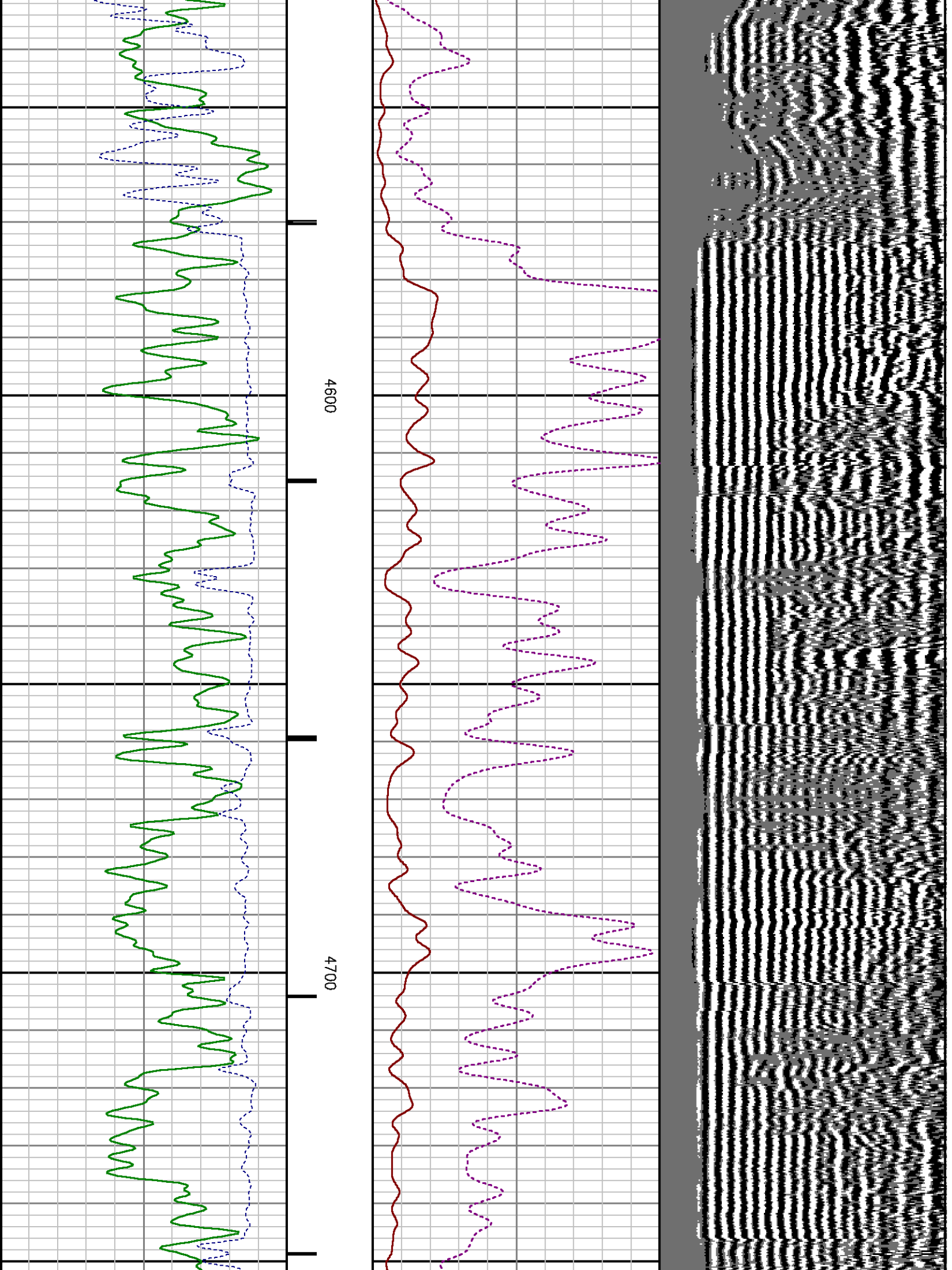


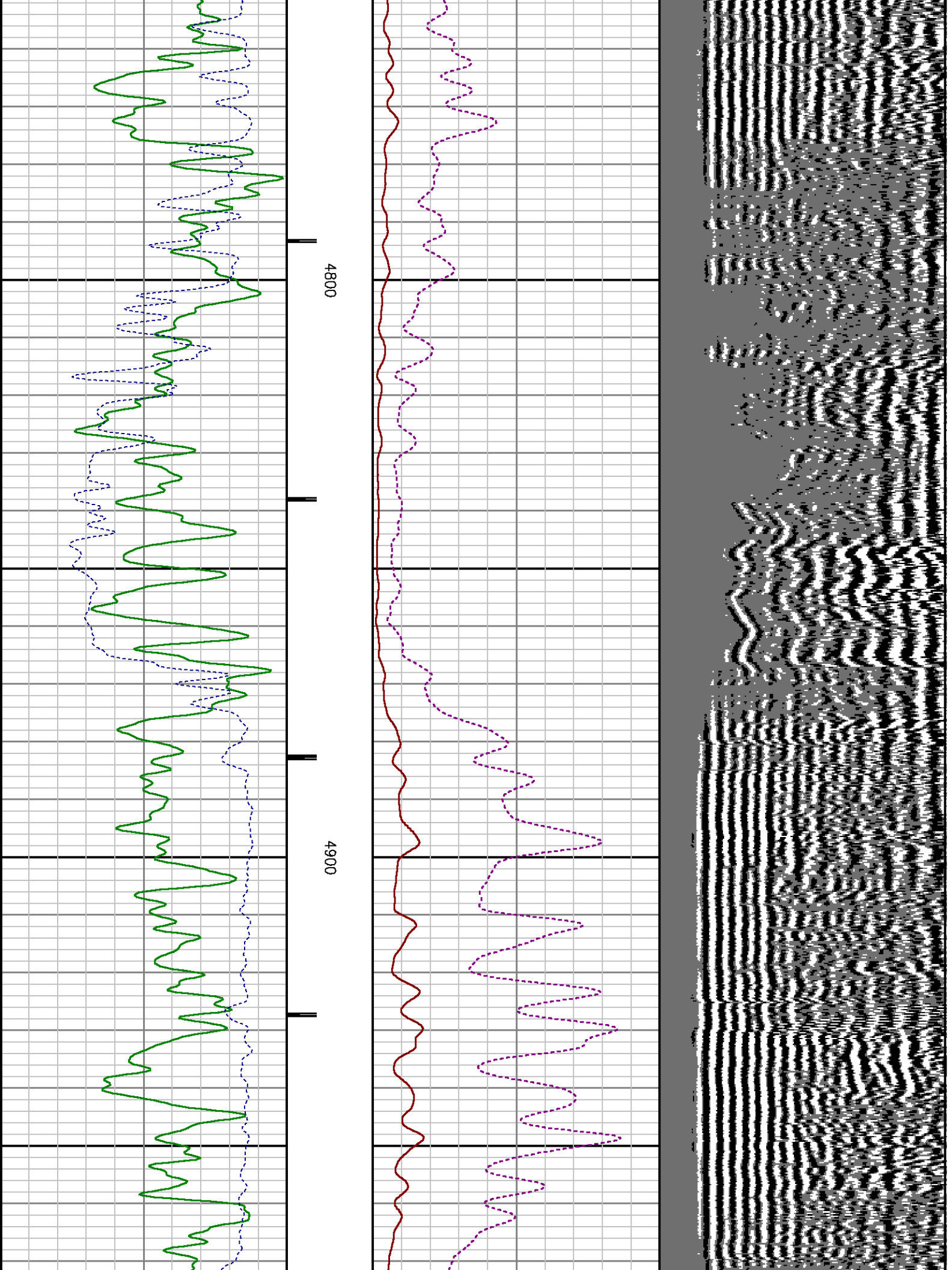


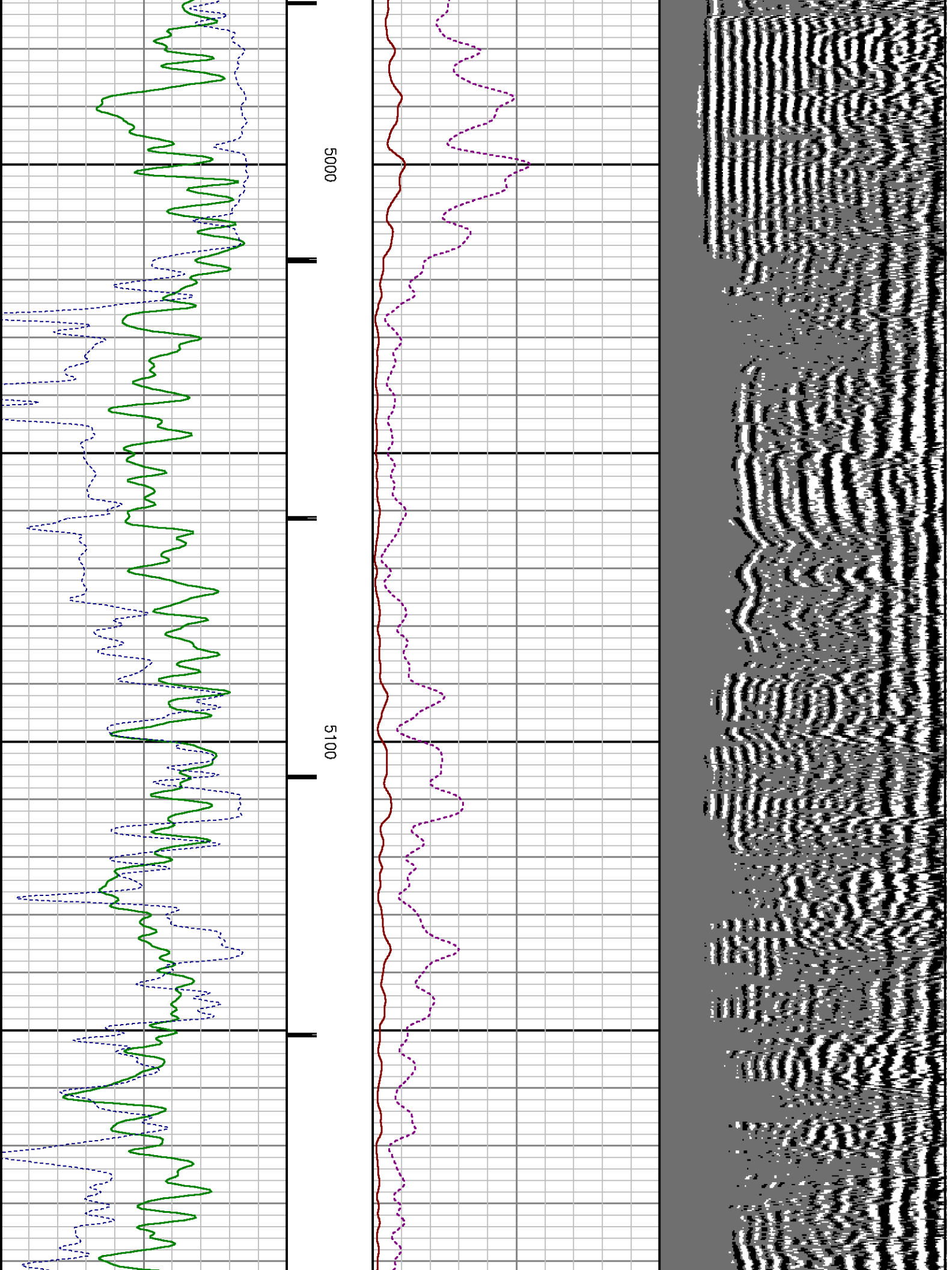


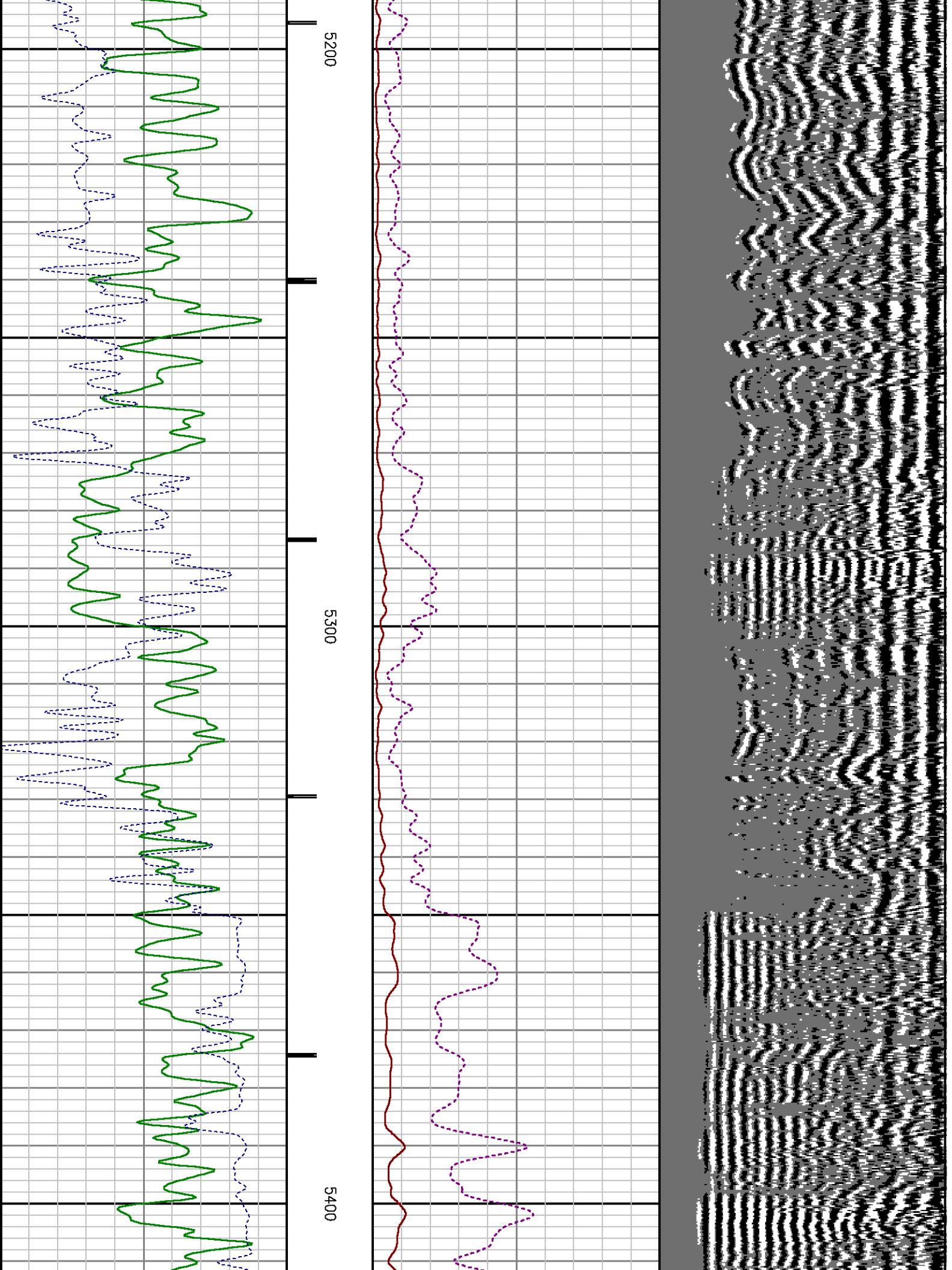


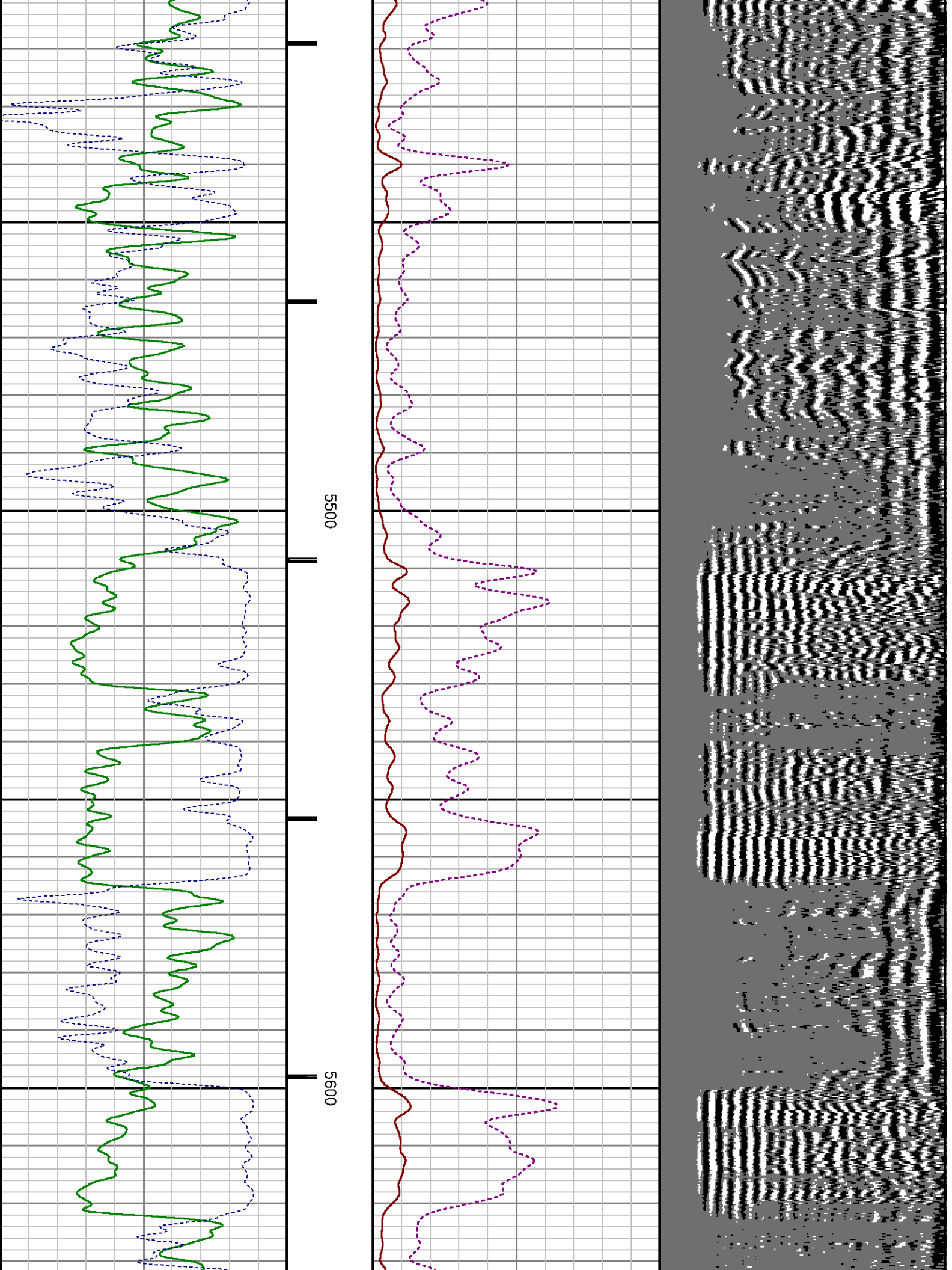


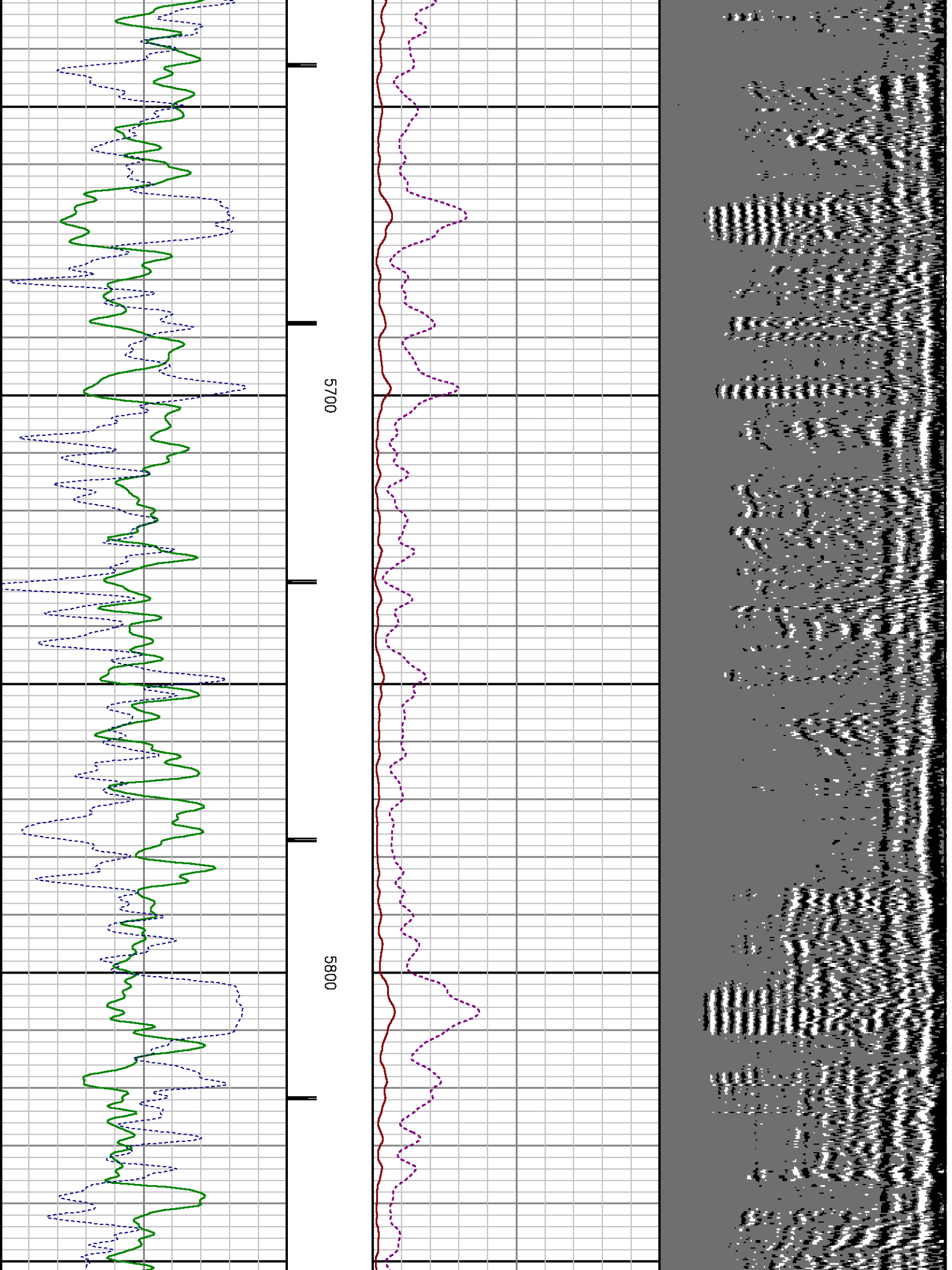


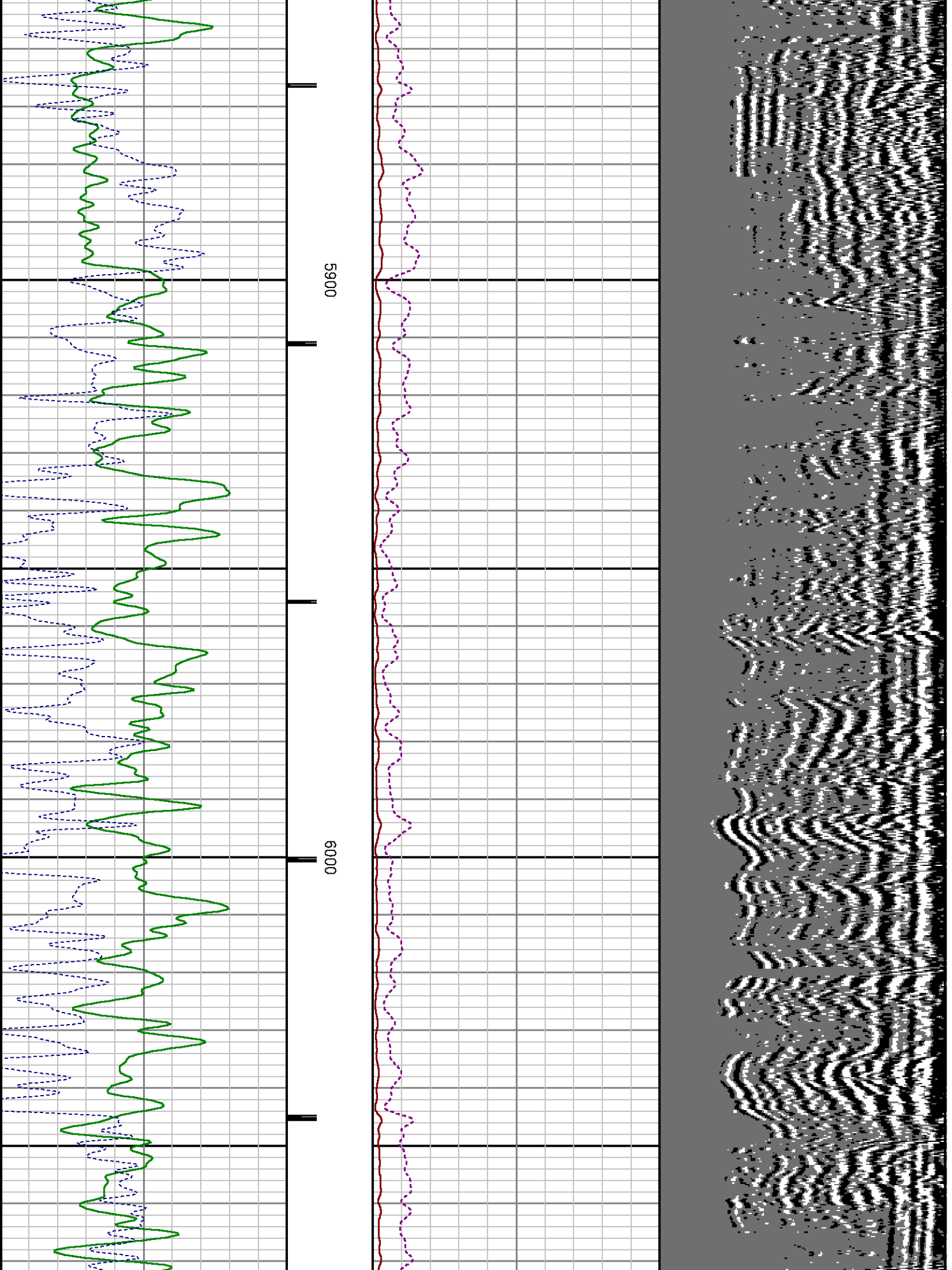


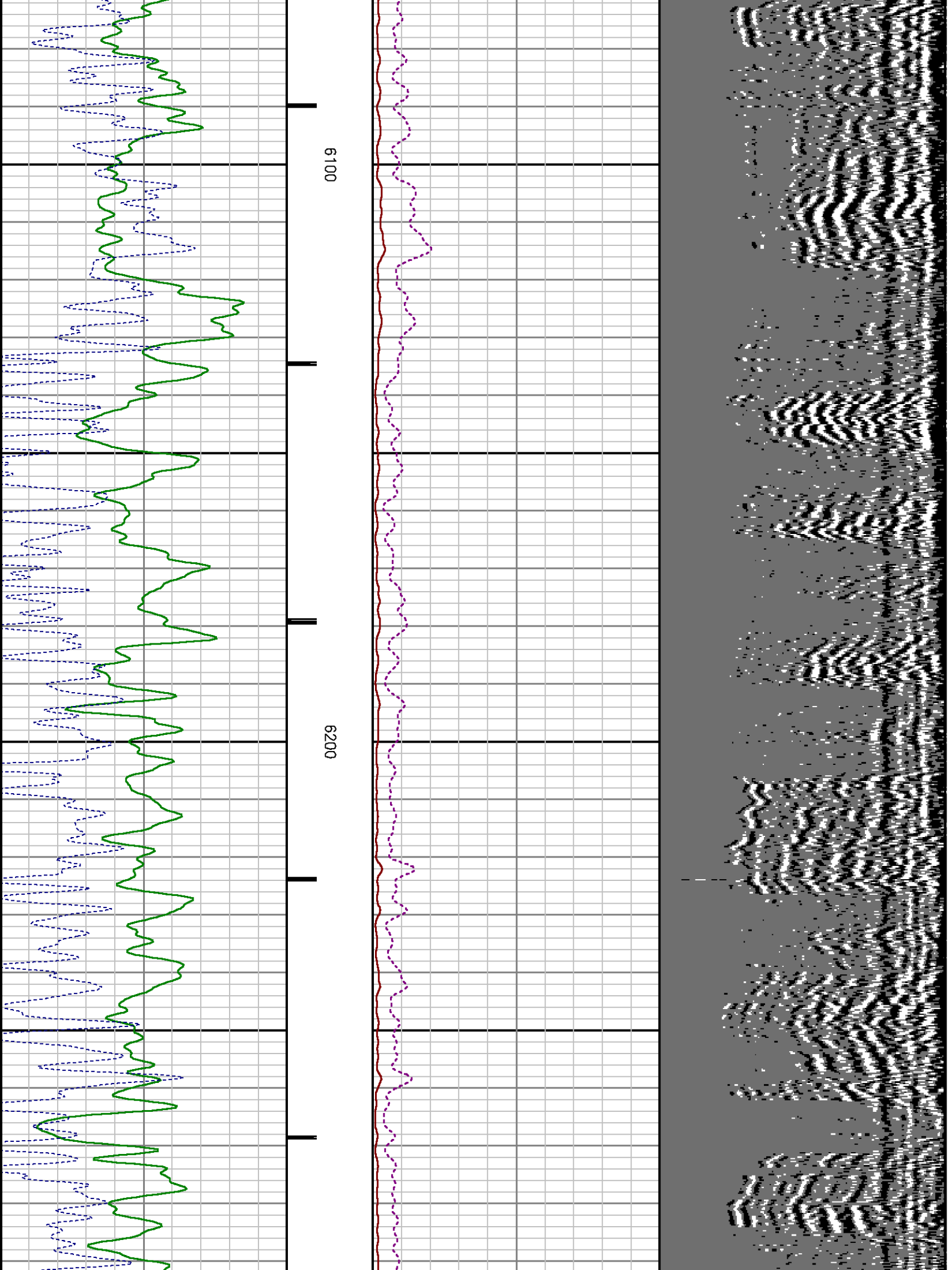


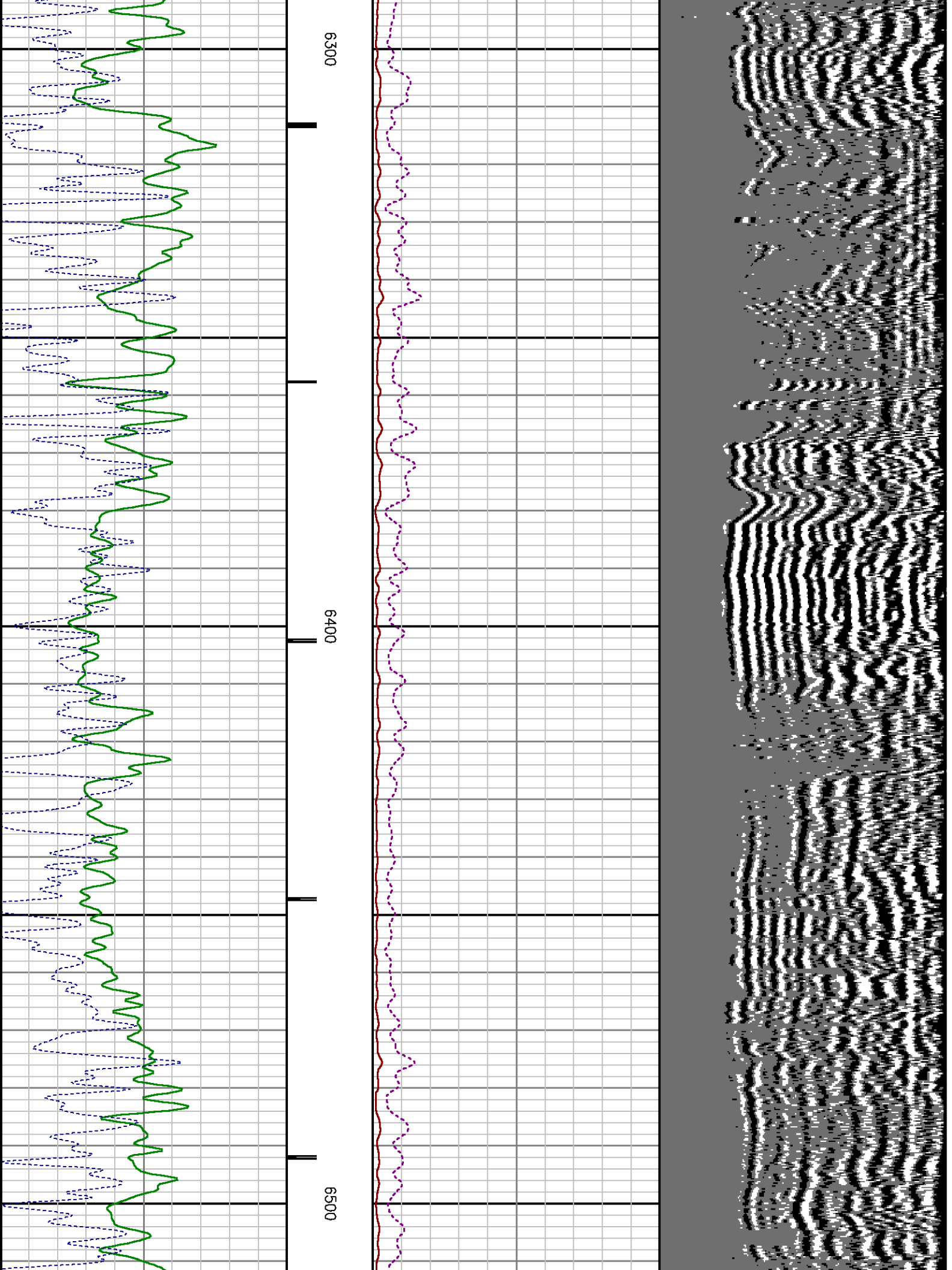


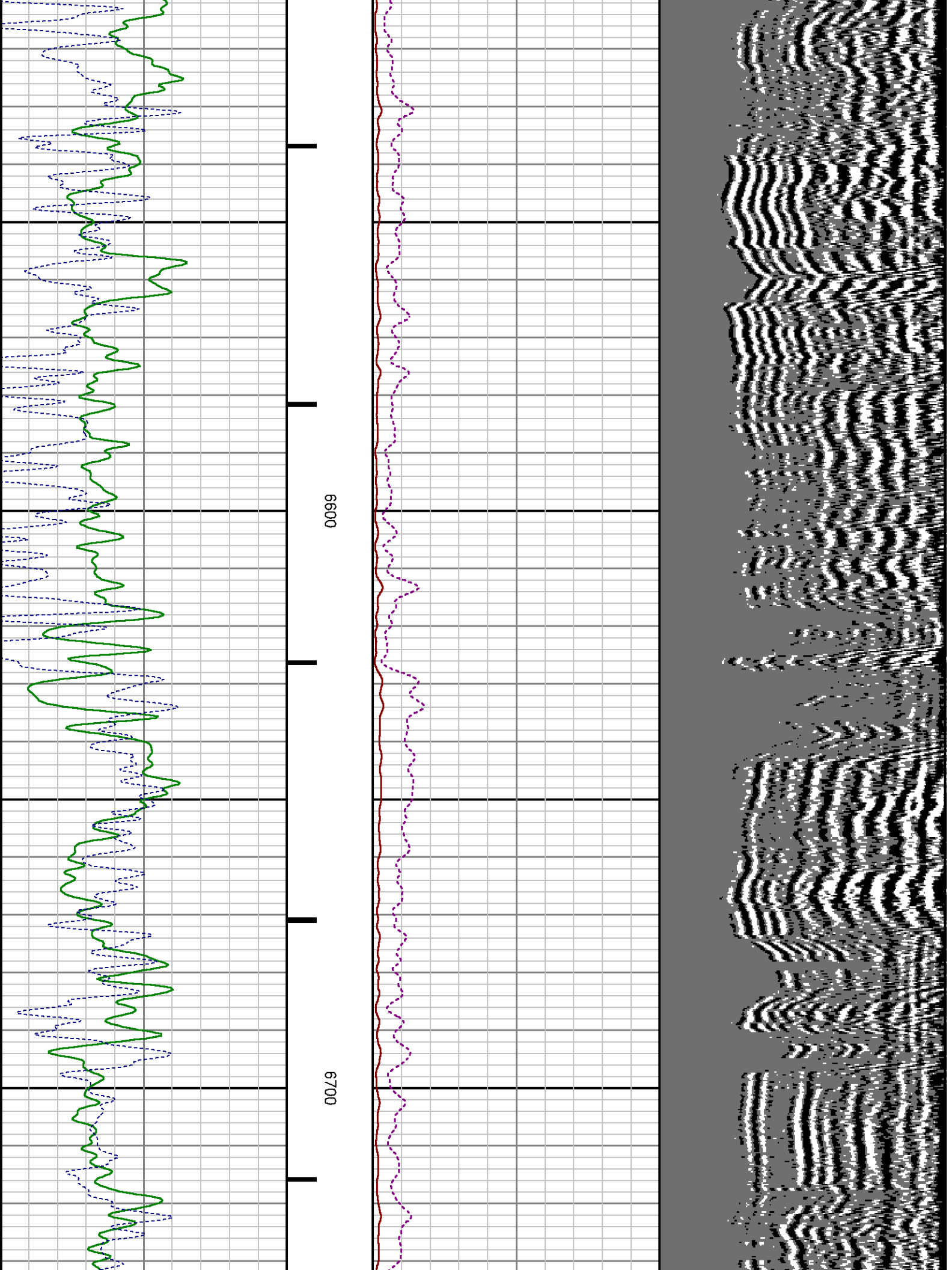


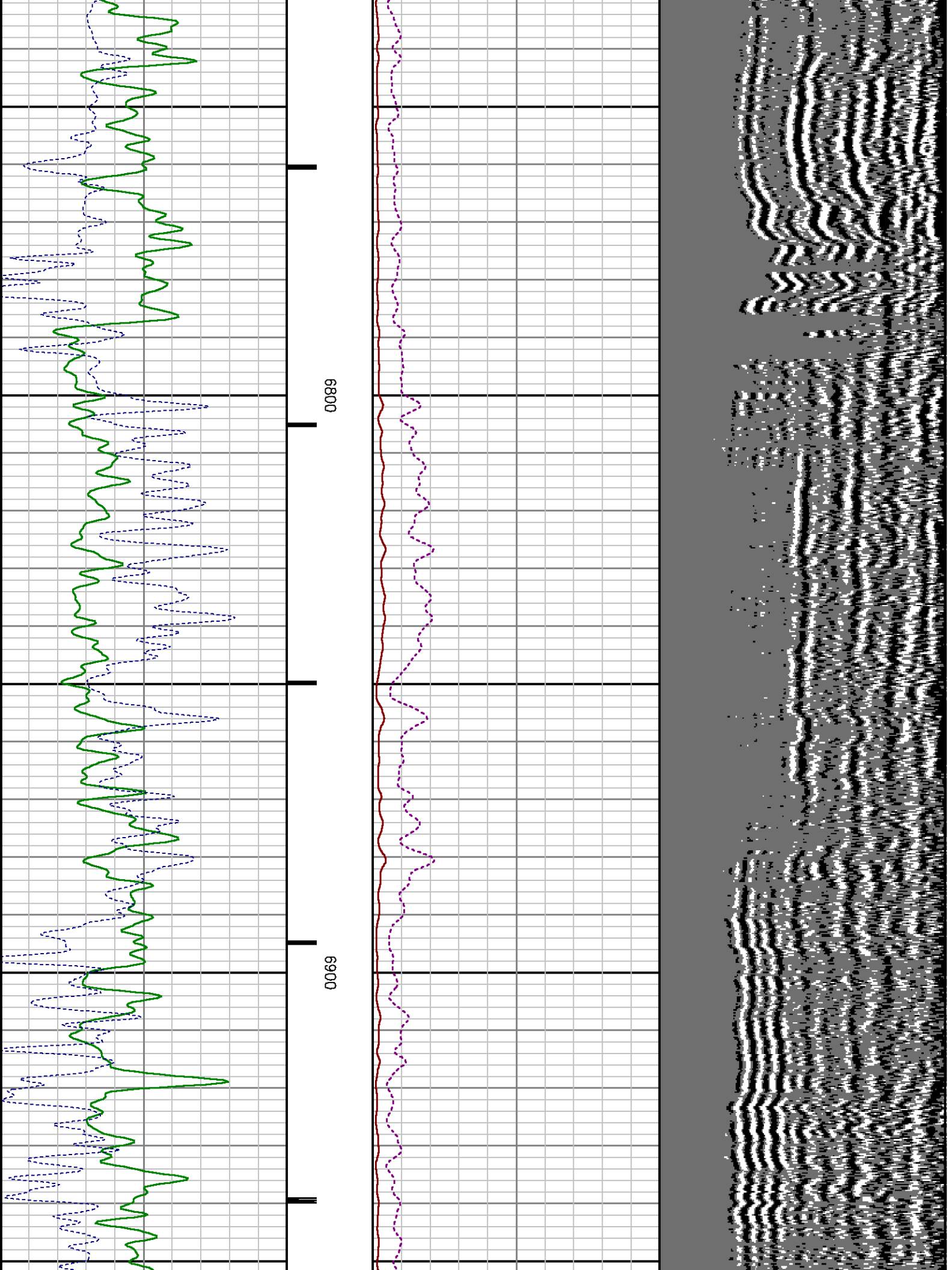


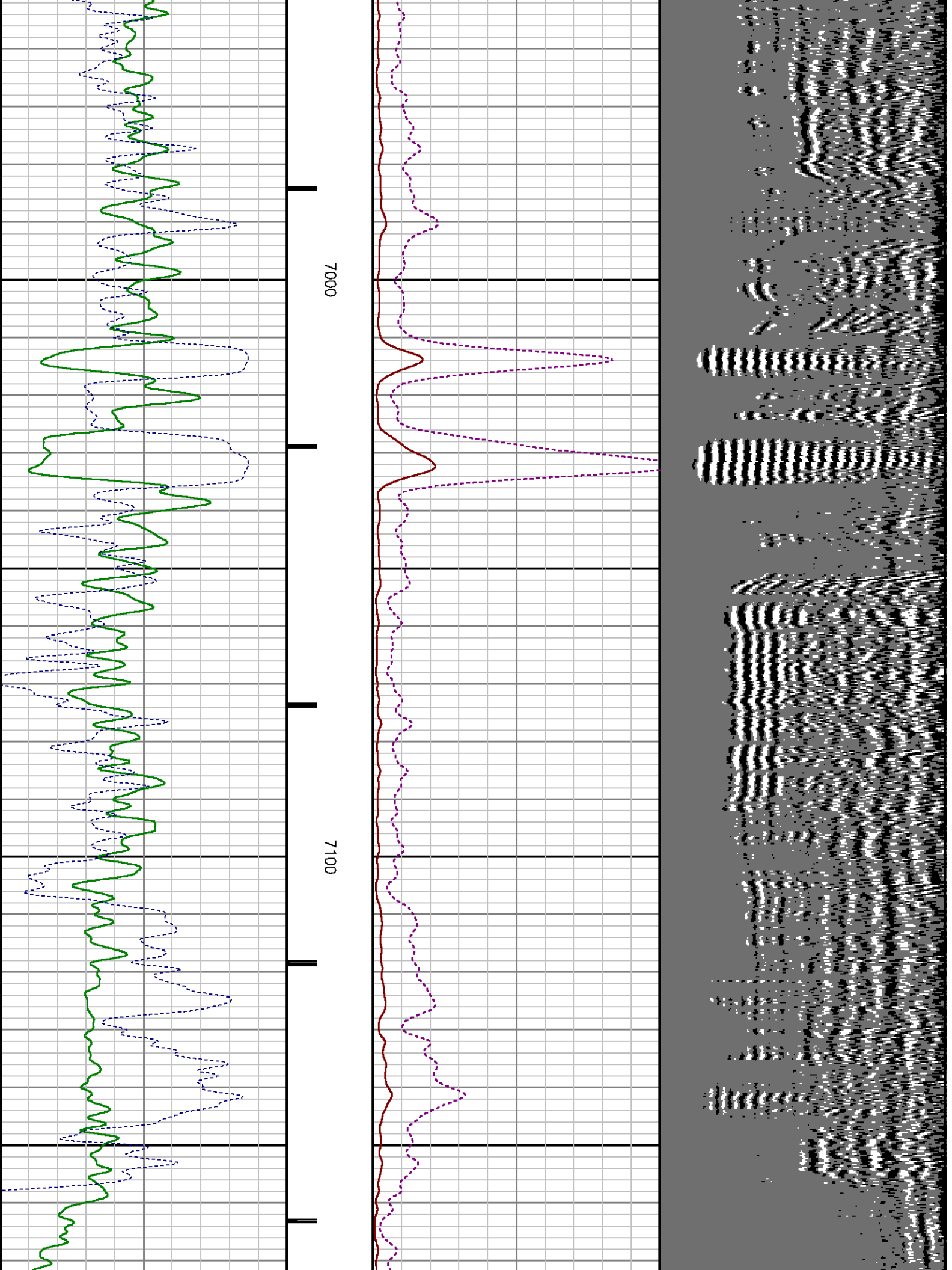


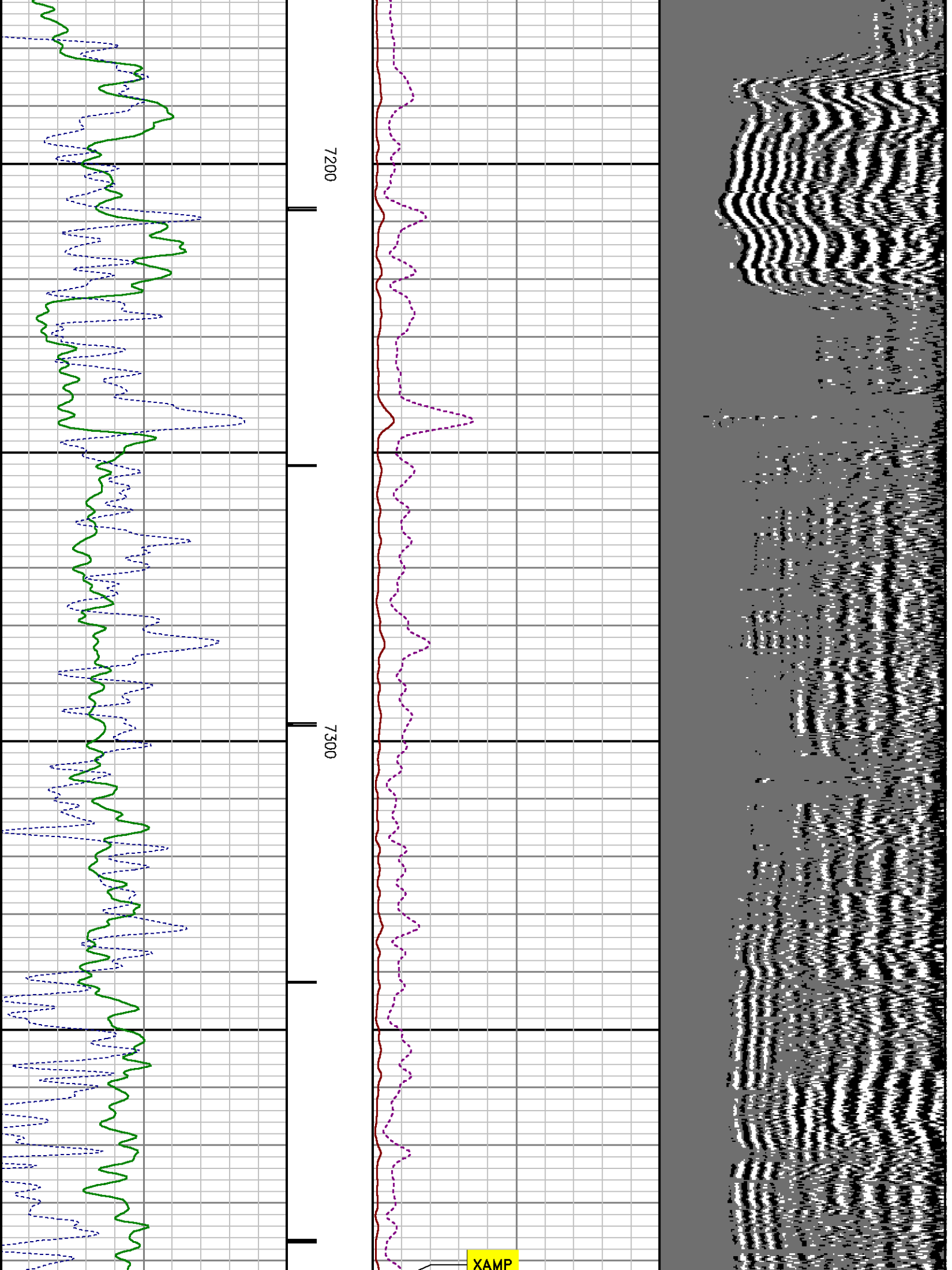


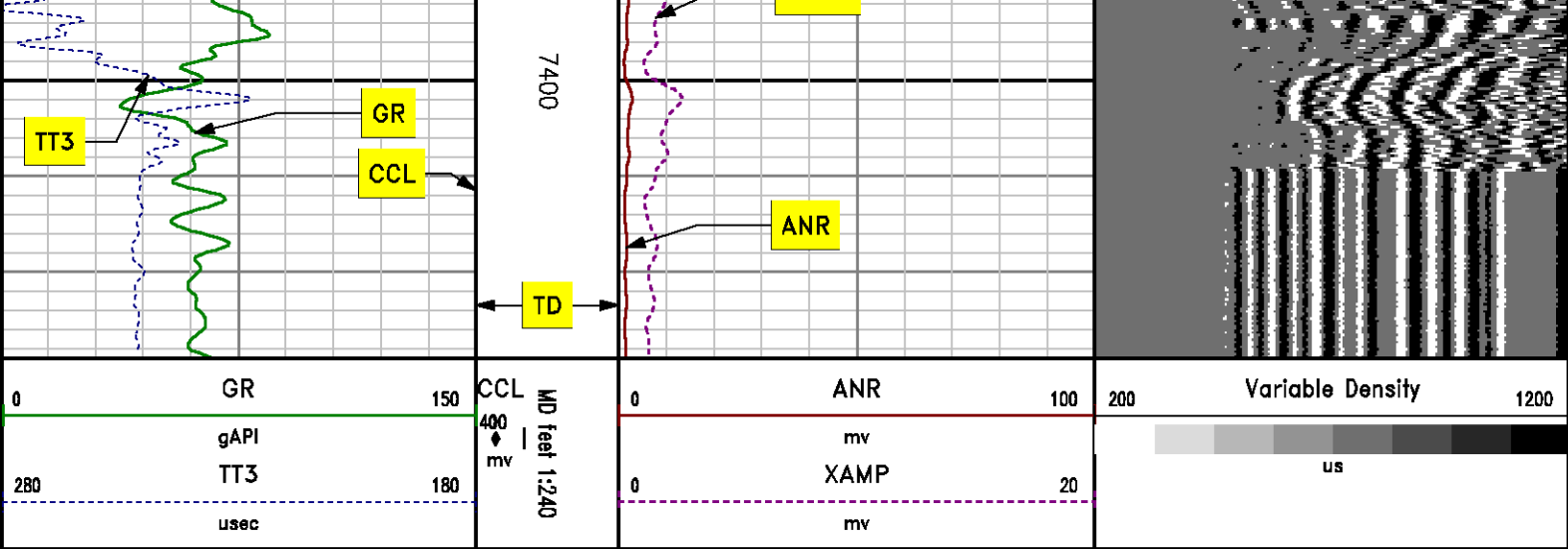












SECONDARY PRESENTATION

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	303.000	usec	26.125	7441.000
RAL	Amp Gate Start Near	197.000	usec	26.125	7441.000
RAL	Amp Gate Start Radial	197.000	usec	26.125	7441.000
RAL	Amp Gate Width Far	25.000	usec	26.125	7441.000
RAL	Amp Gate Width Near	25.000	usec	26.125	7441.000
RAL	Amp Gate Width Radial	25.000	usec	26.125	7441.000
RAL	casing od	5.500	inches	26.125	7441.000
RAL	casing wt	15.500	lbm/ft	26.125	7441.000
RAL	FB Start Far	307.187	usec	26.125	7441.000
RAL	FB Start Near	190.678	usec	26.125	7441.000
RAL	FB Start Radial	190.678	usec	26.125	7441.000
RAL	FB Thresh Far	10.000	mv	26.125	7441.000
RAL	FB Thresh Near	4.000	mv	26.125	7441.000
RAL	FB Thresh Radial	4.000	mv	26.125	7441.000
RAL	Fluid Travel Time	200.000	usec/ft	26.125	7440.968

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 : MIXED

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

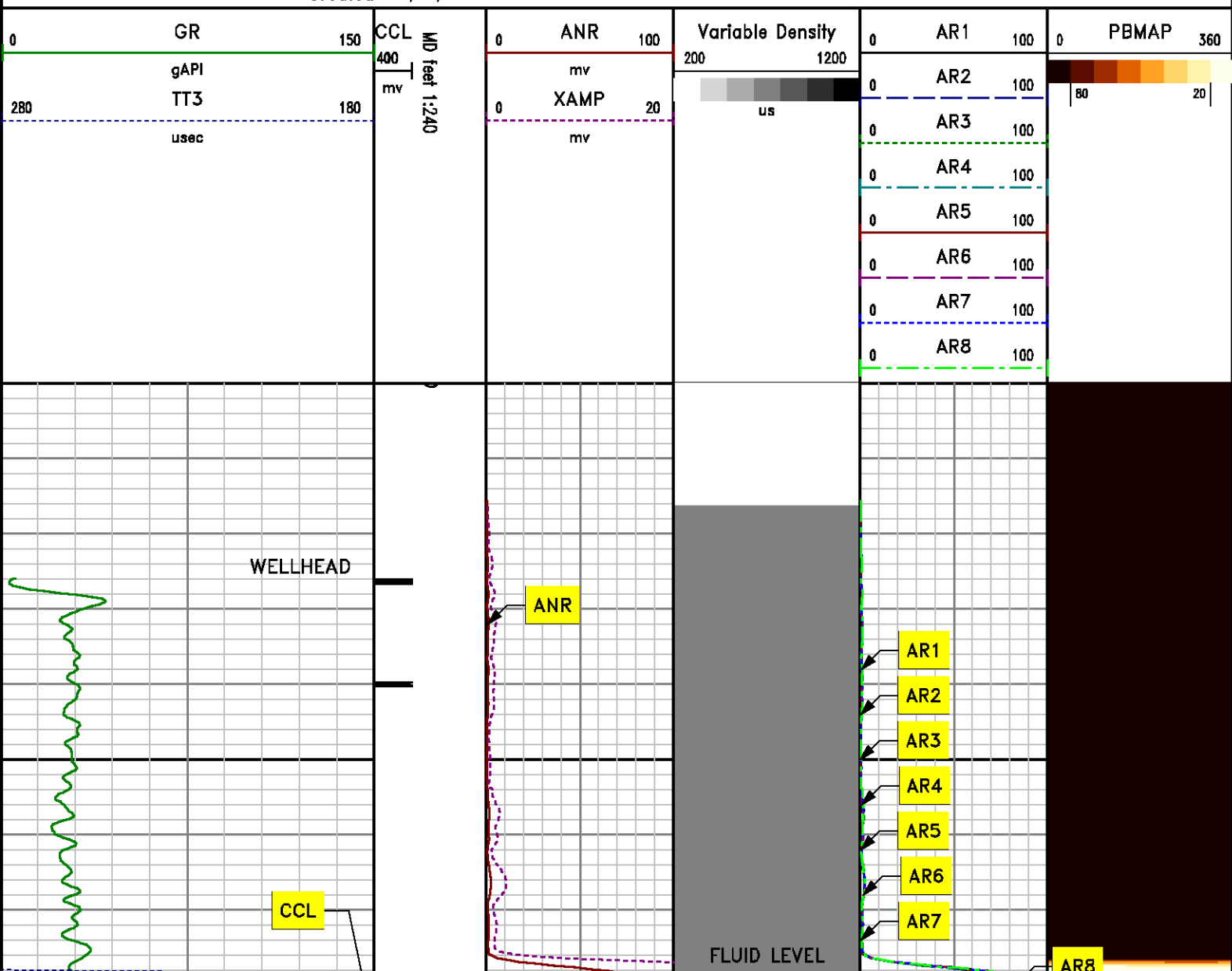
Well : JOLLEY KP 523-8

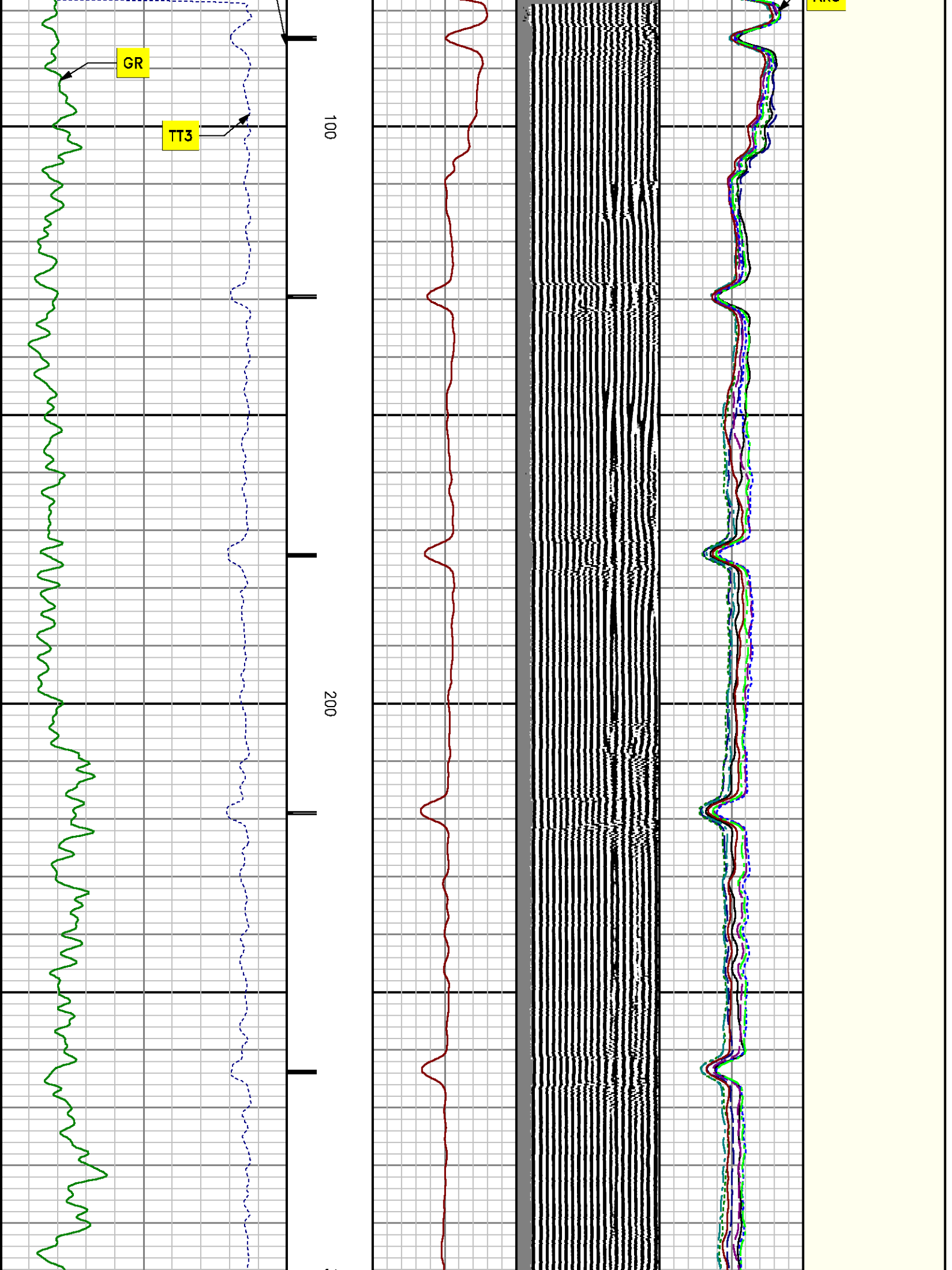
File Name : d:\welldata\wpx energy\jolley kp 523-8\cb1523\main.xtf

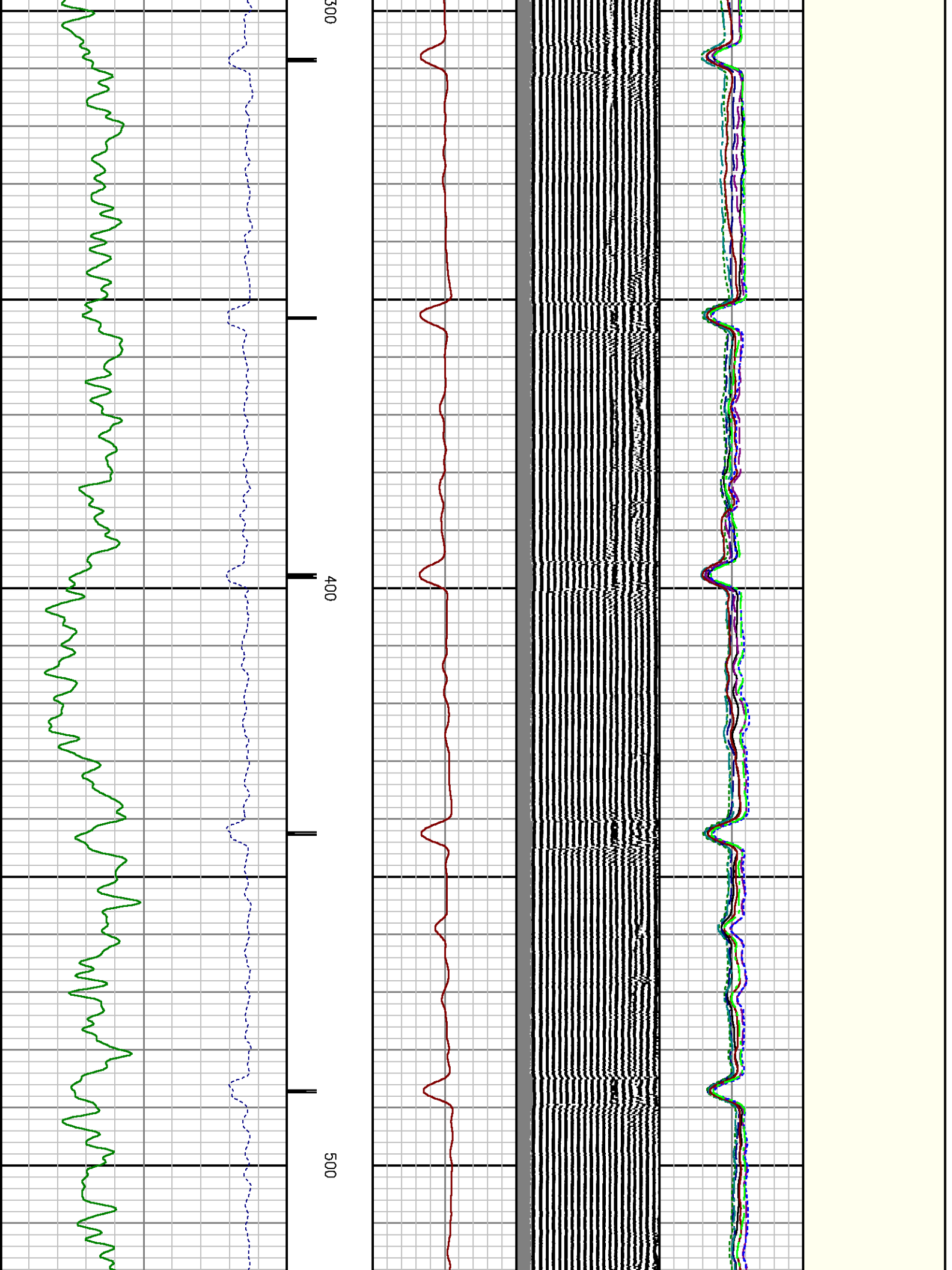
Mode : PlotMgr 5.4.504

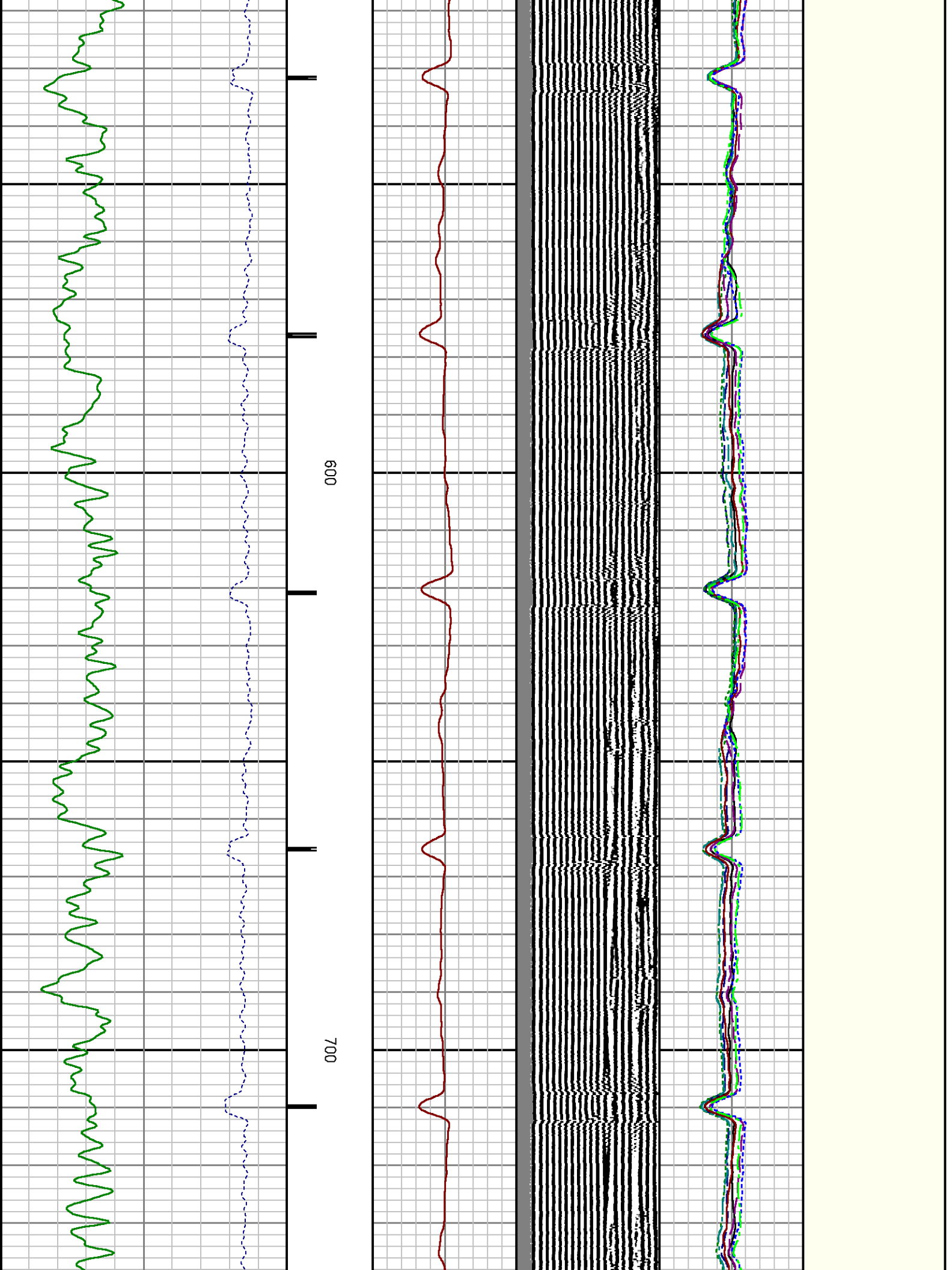
Interval : 0.00 - 7429.00 feet UP

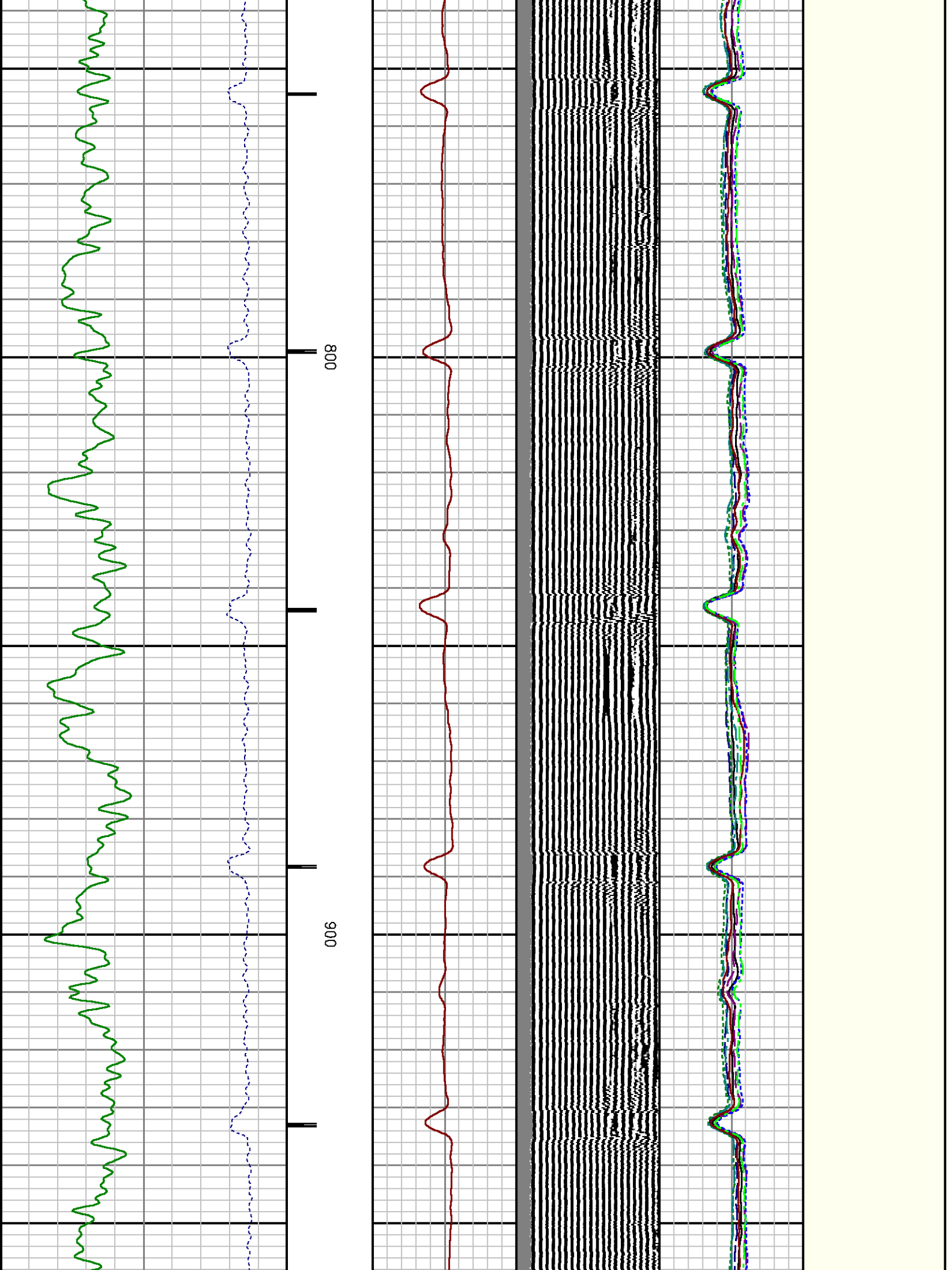
Created : 5/17/2012 11:58:03 AM

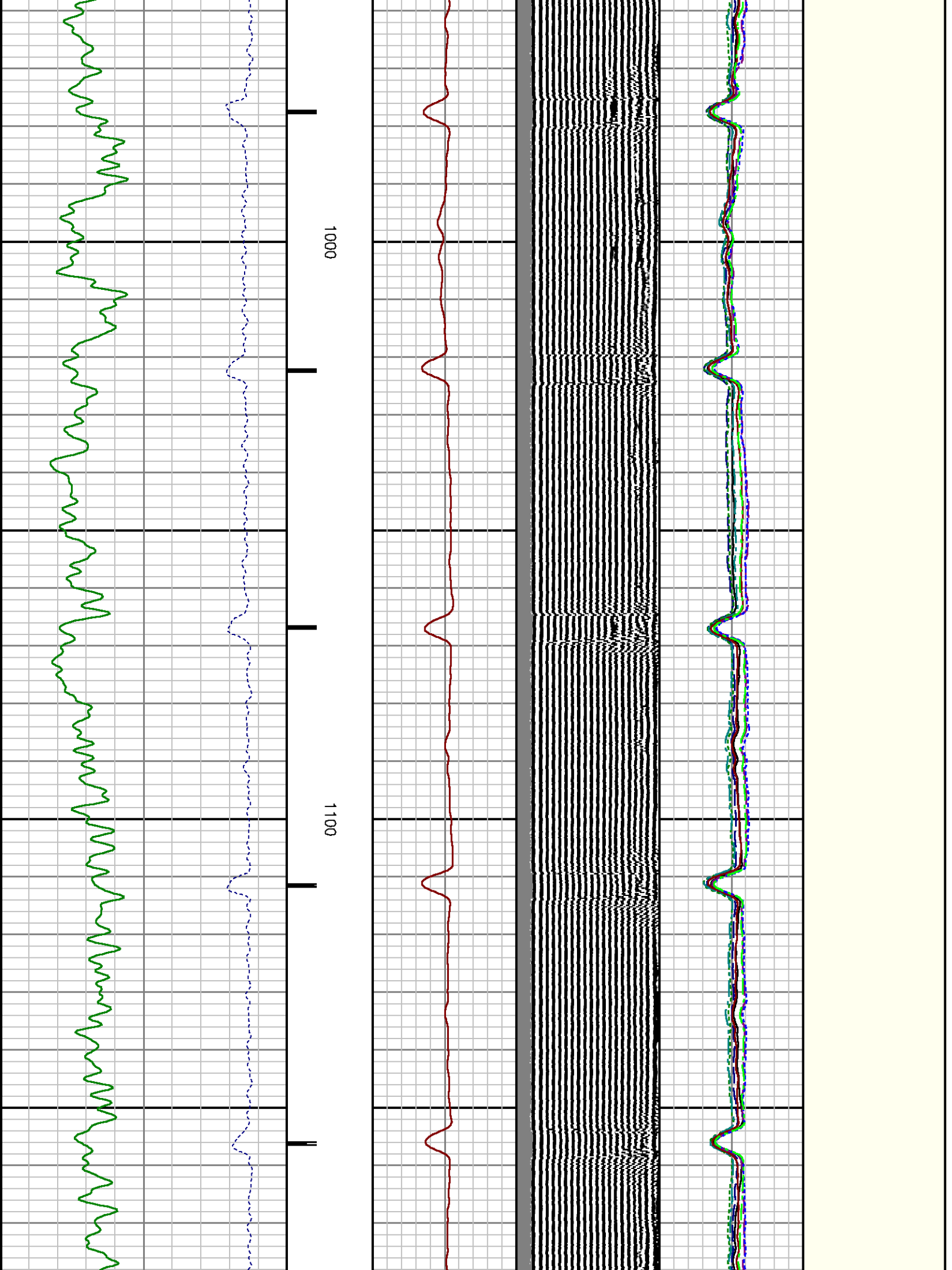


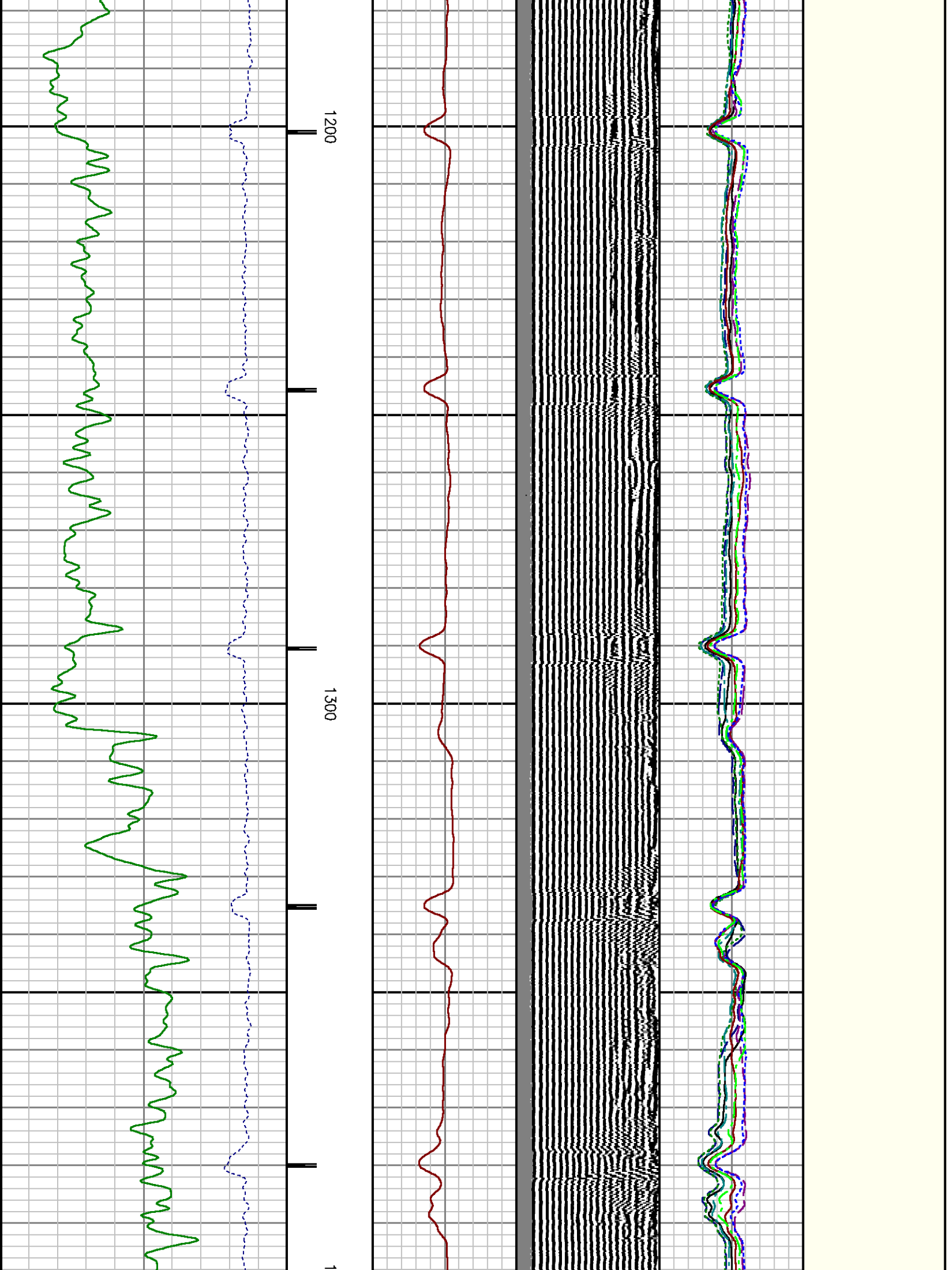


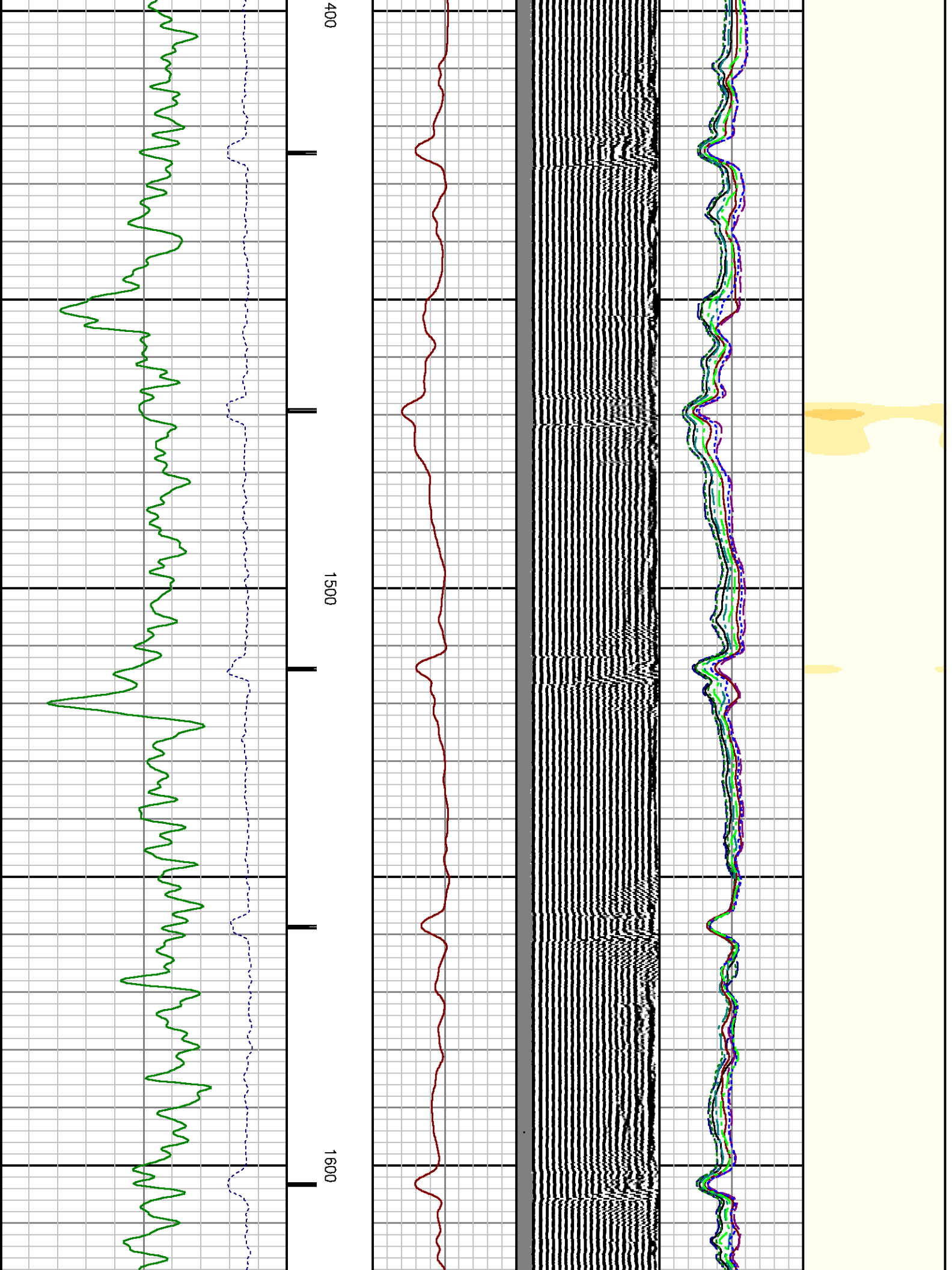


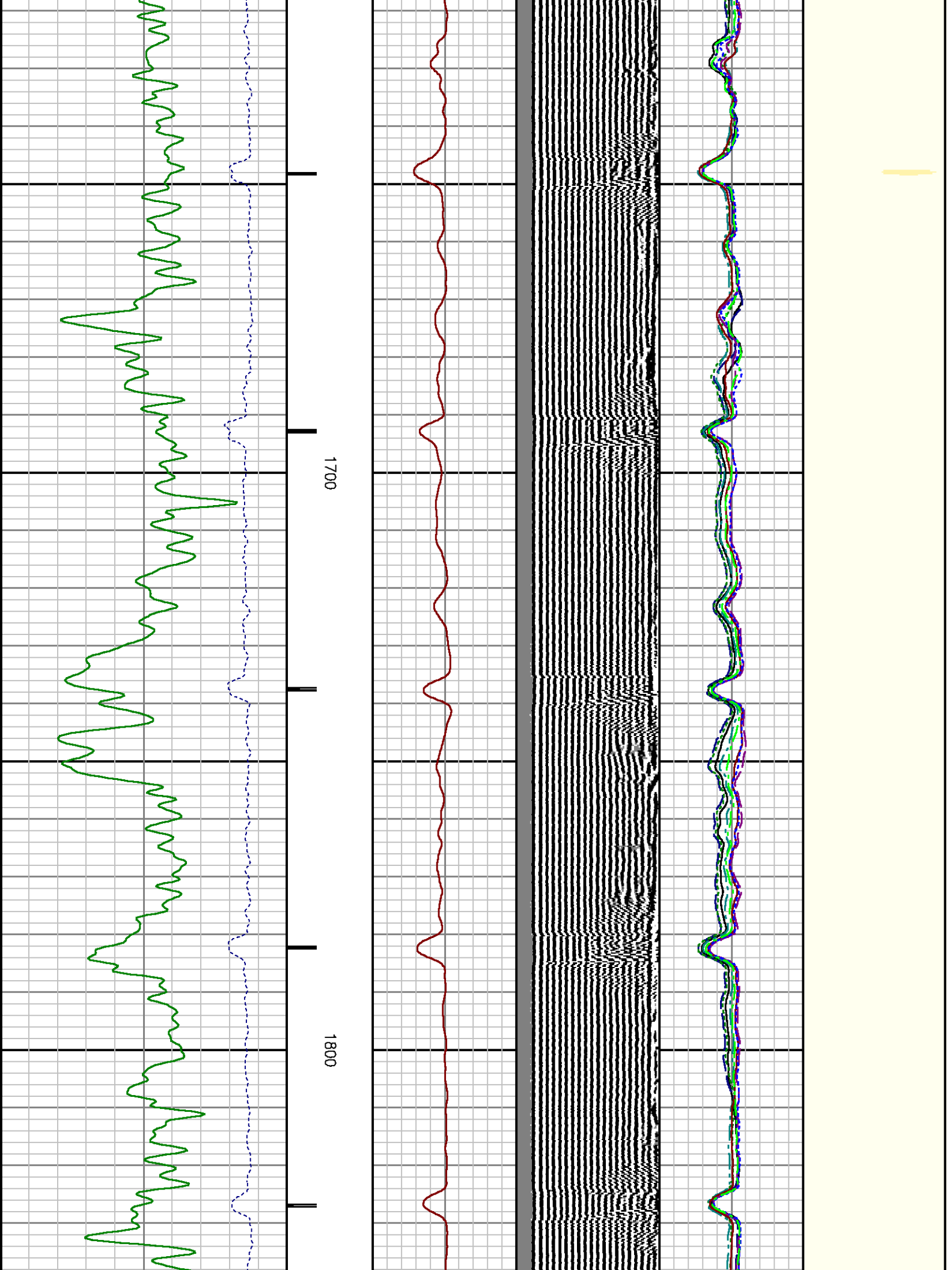


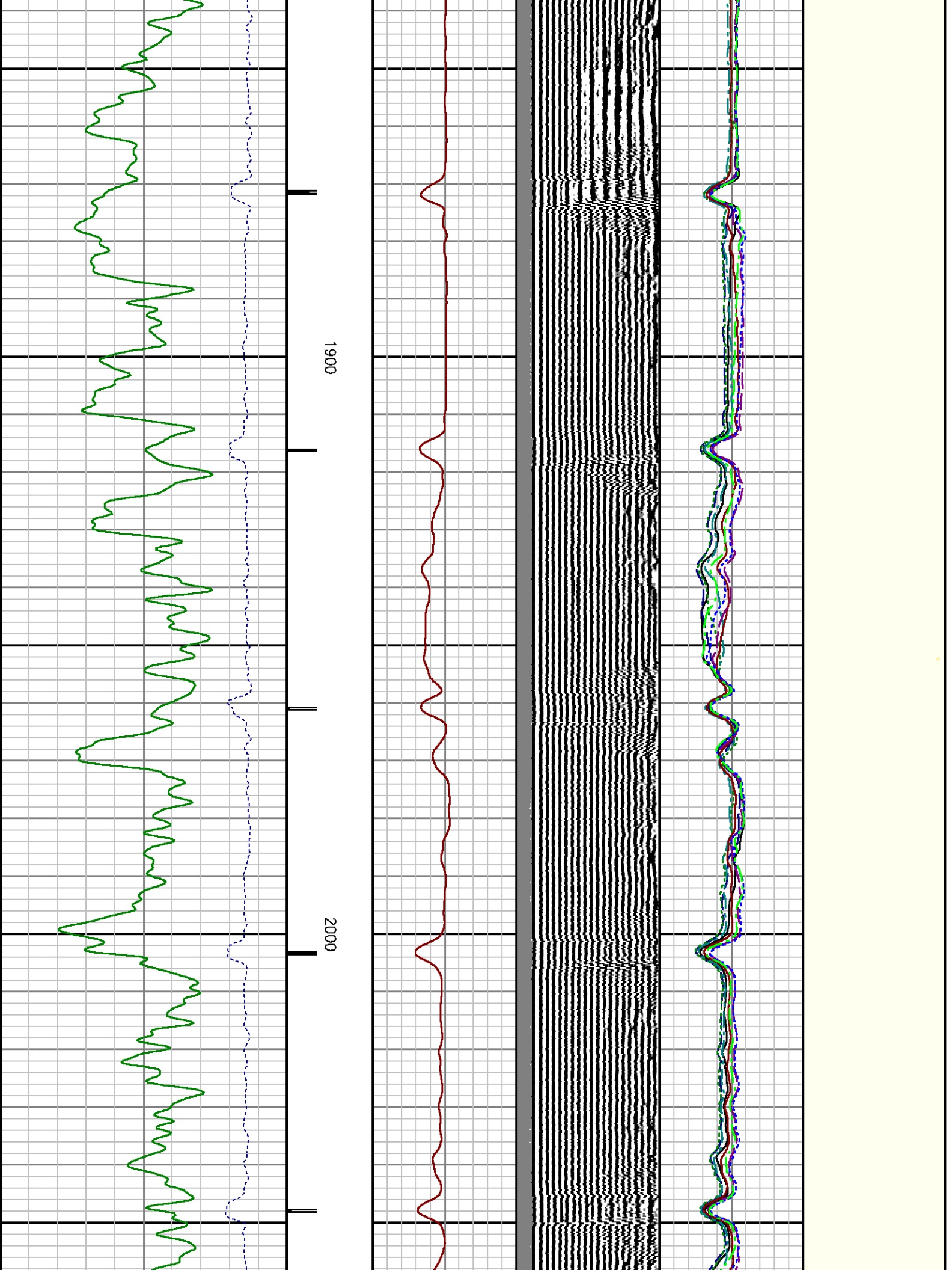


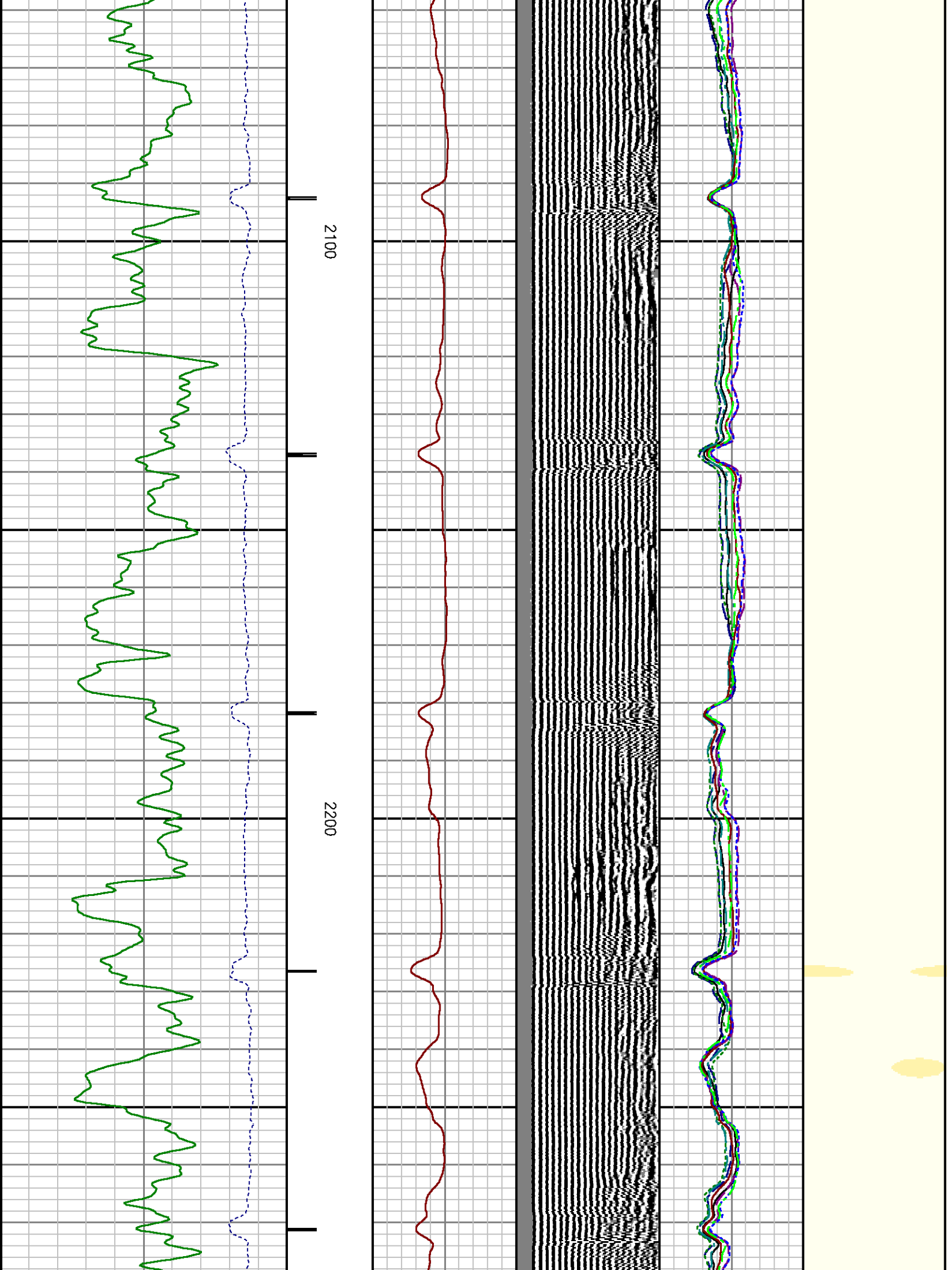


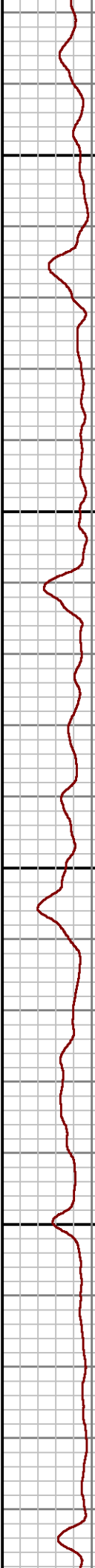
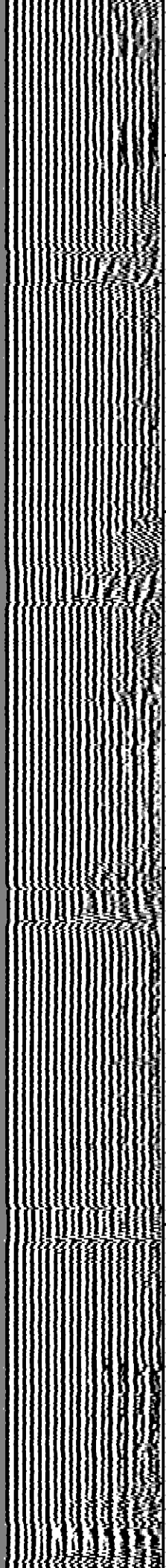
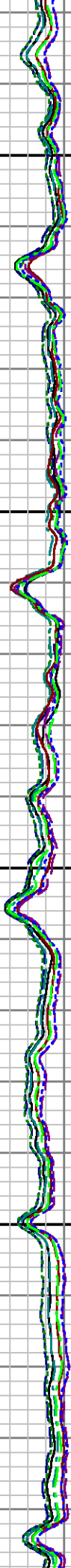
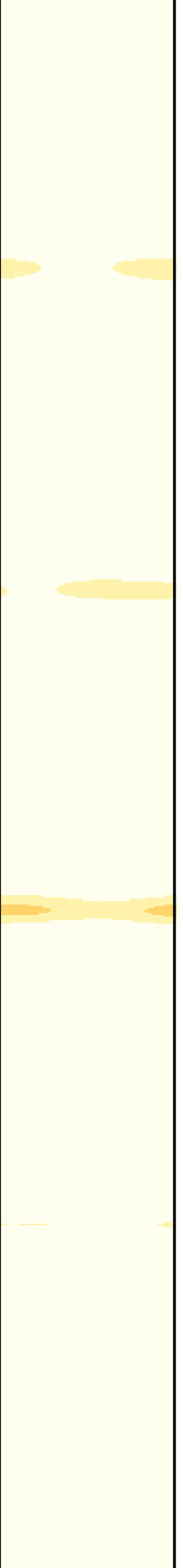








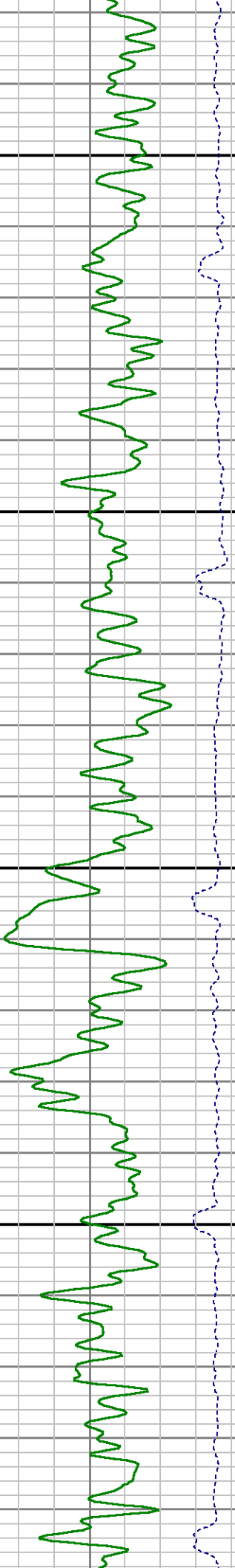


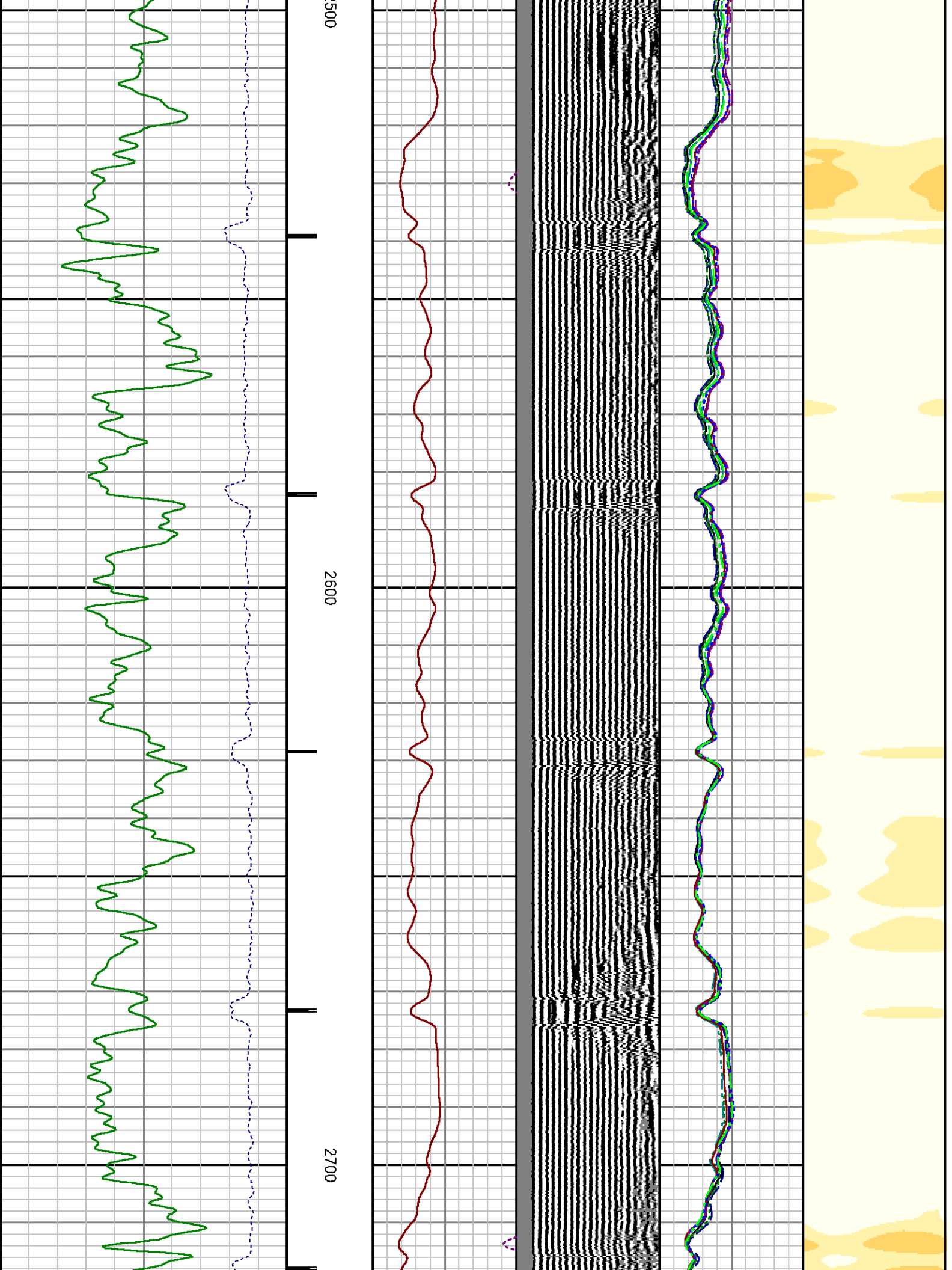


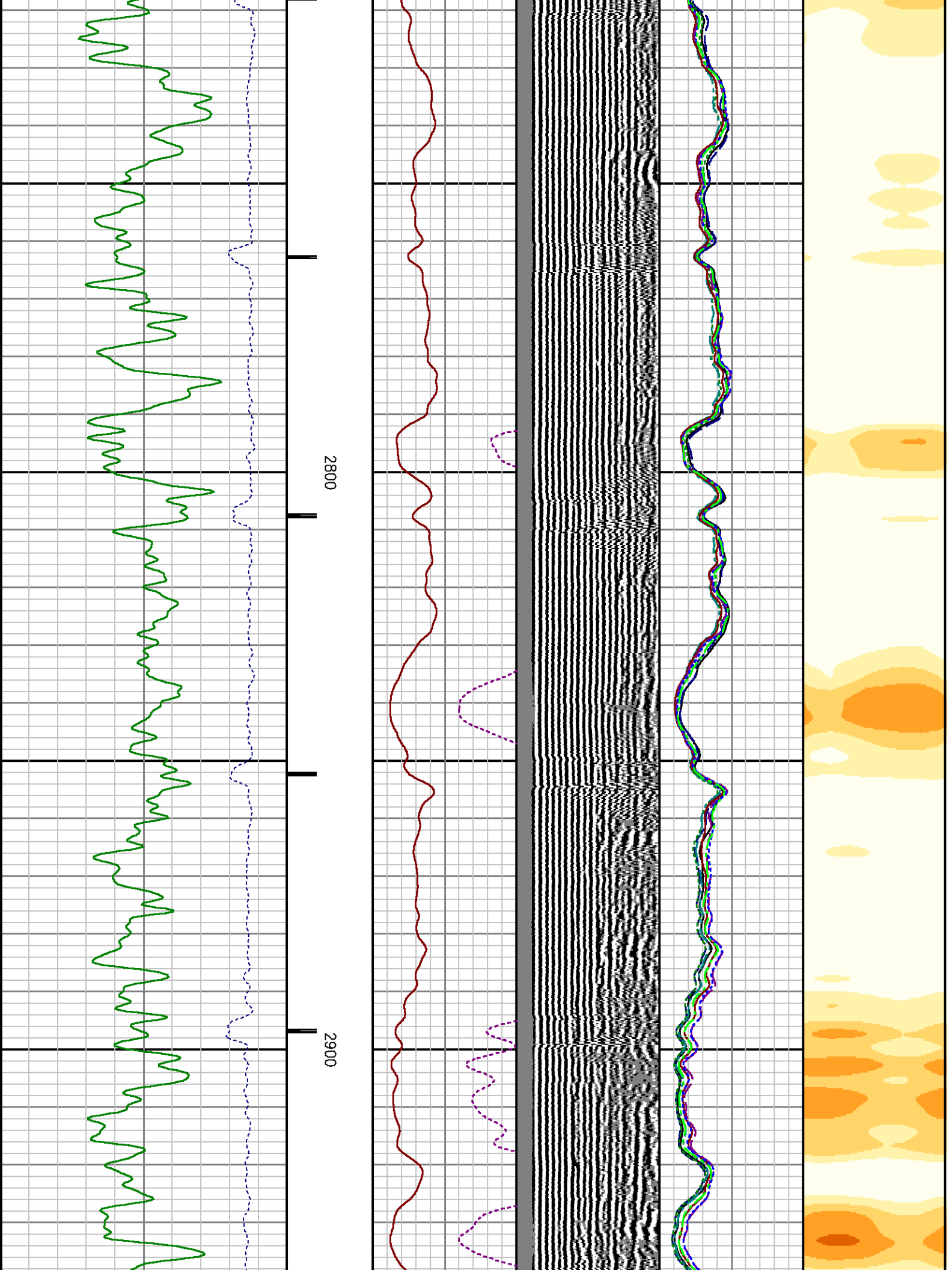
2300

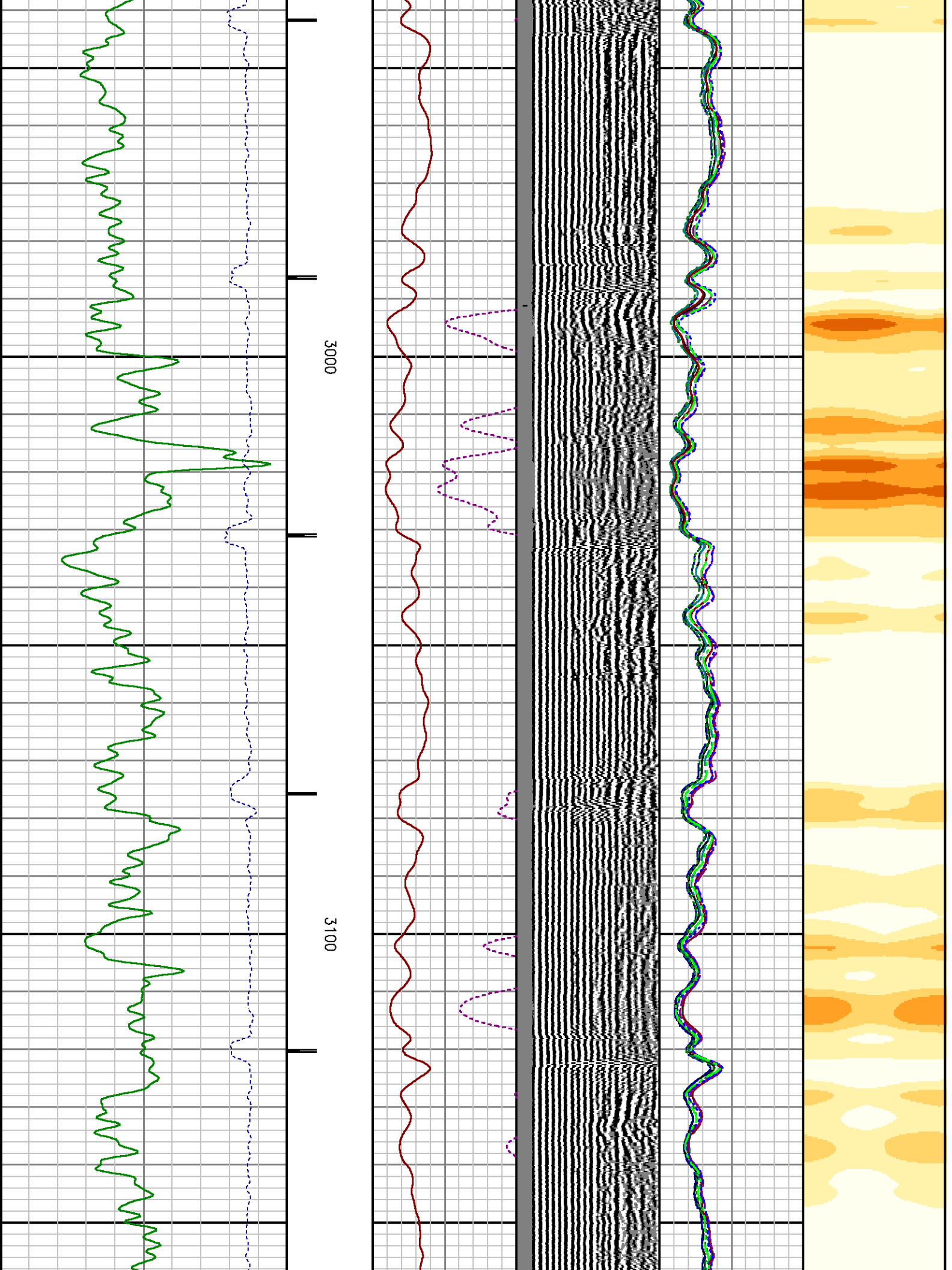
2400

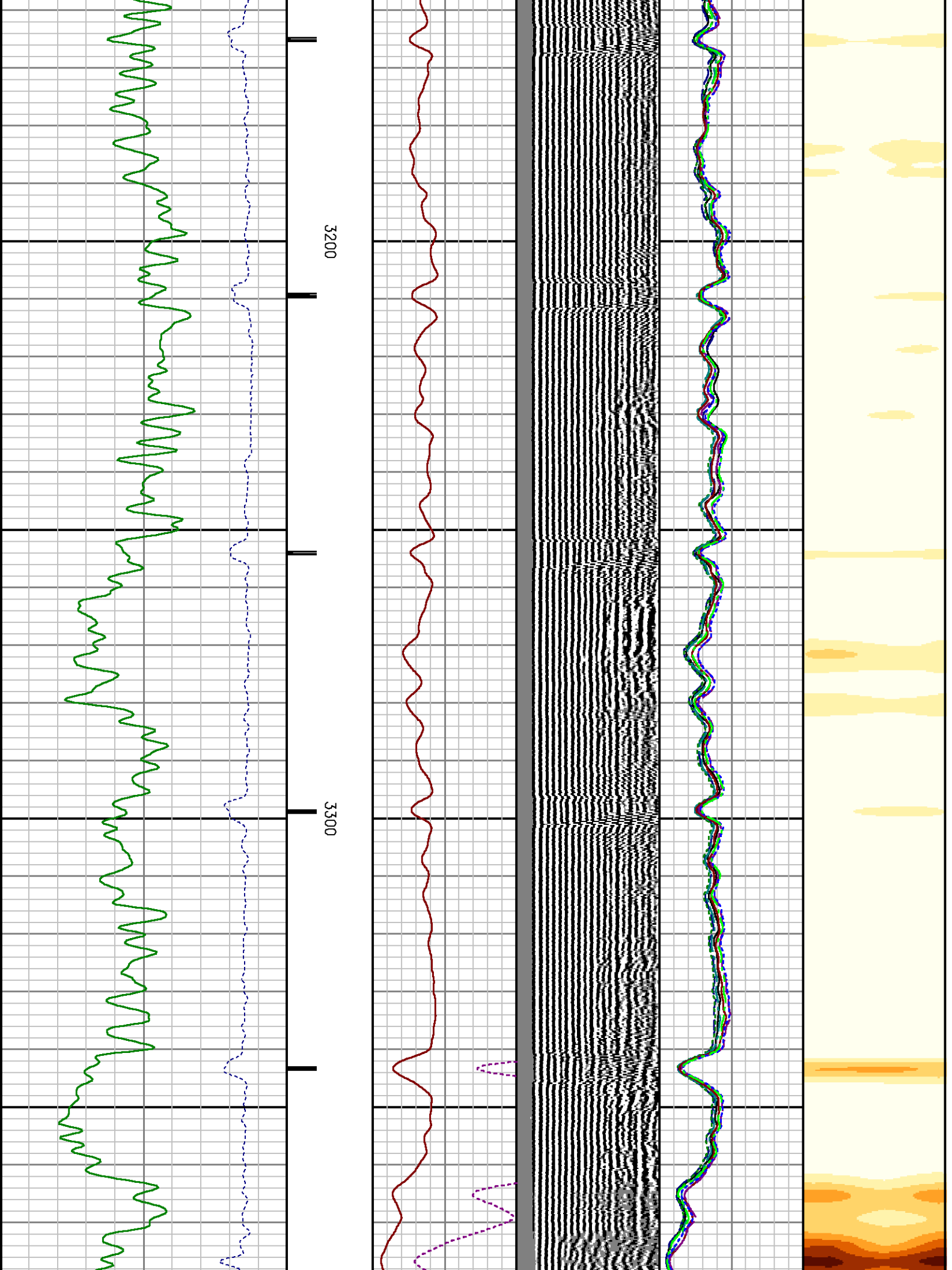
2

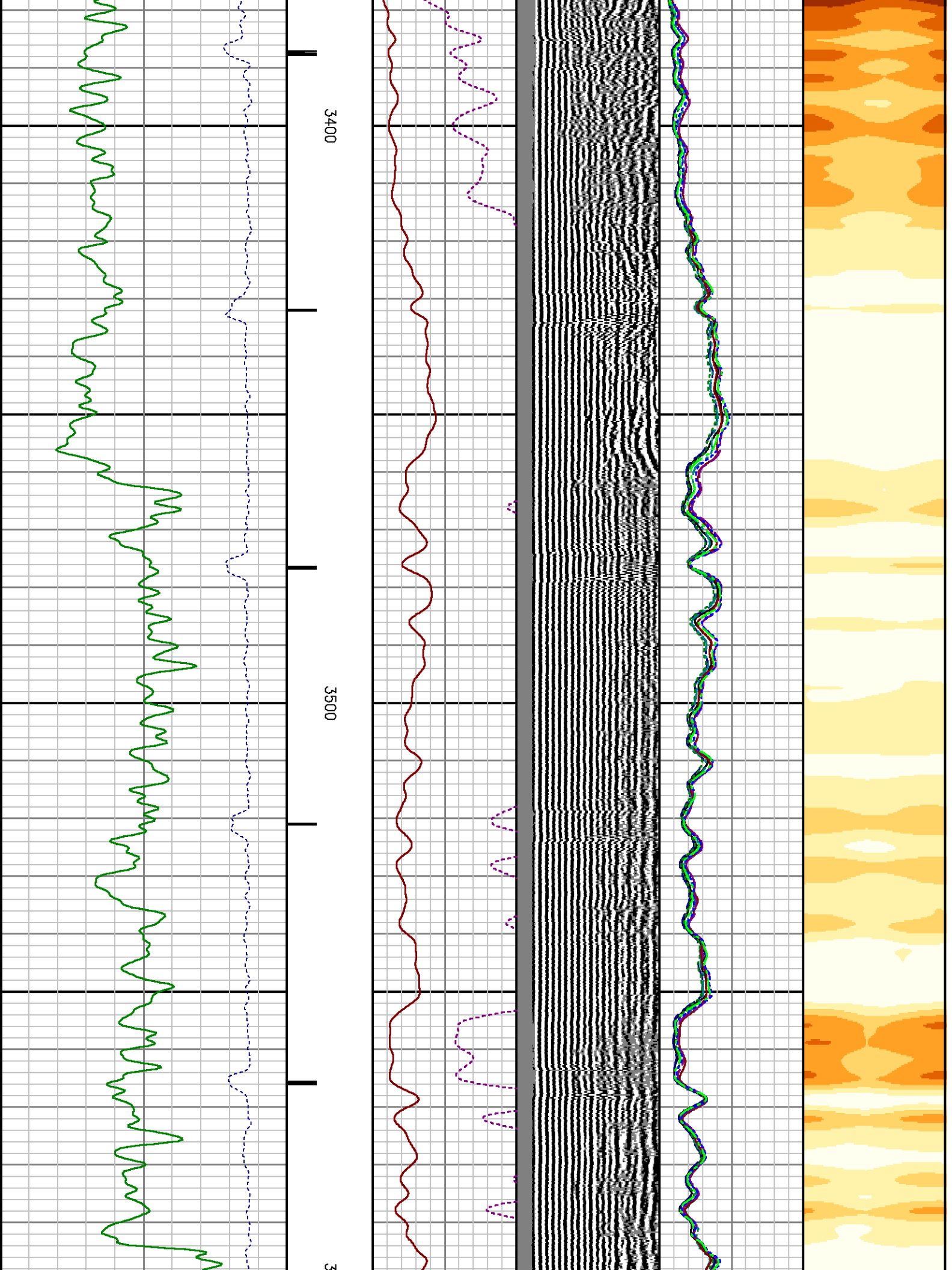


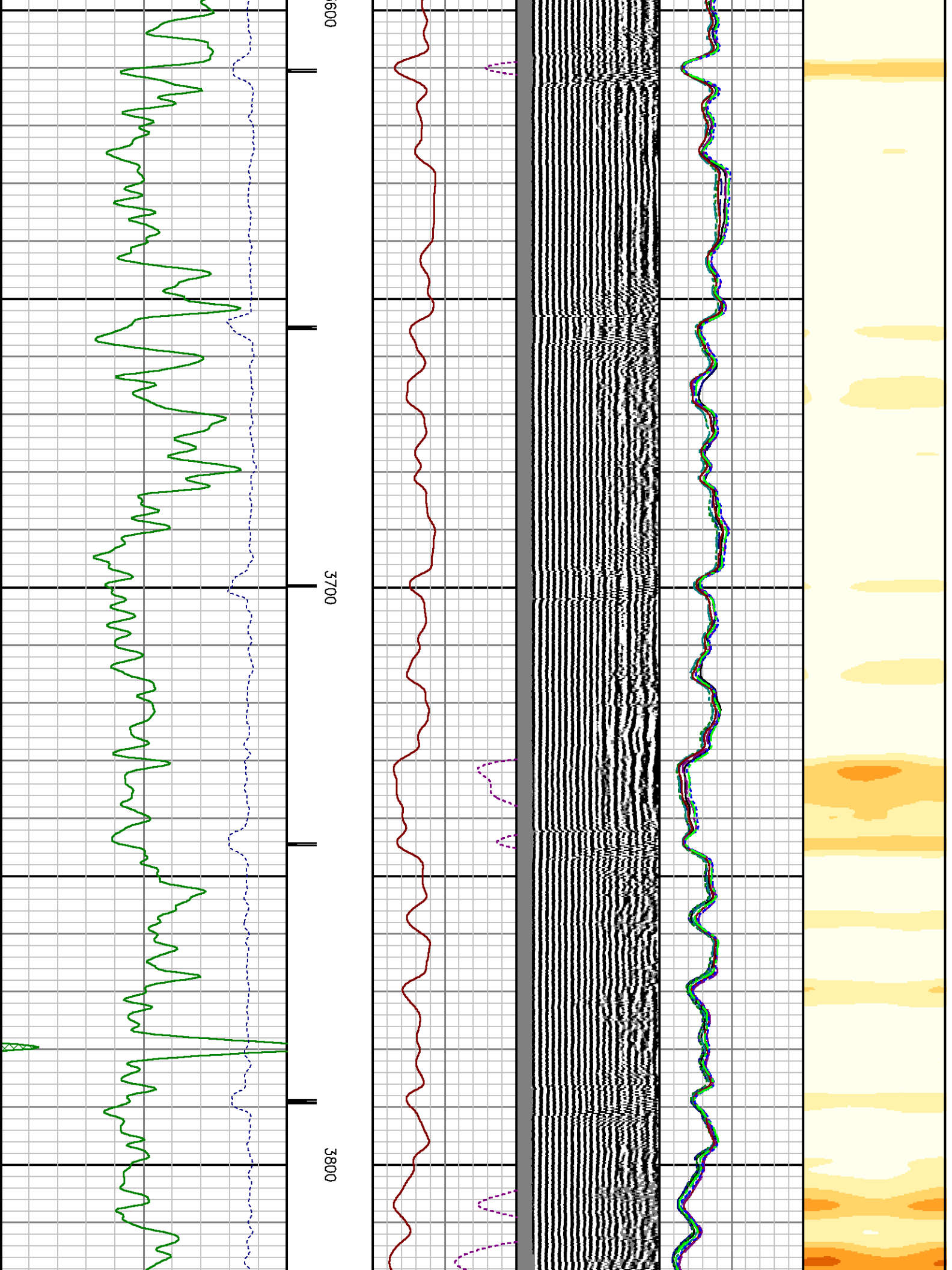


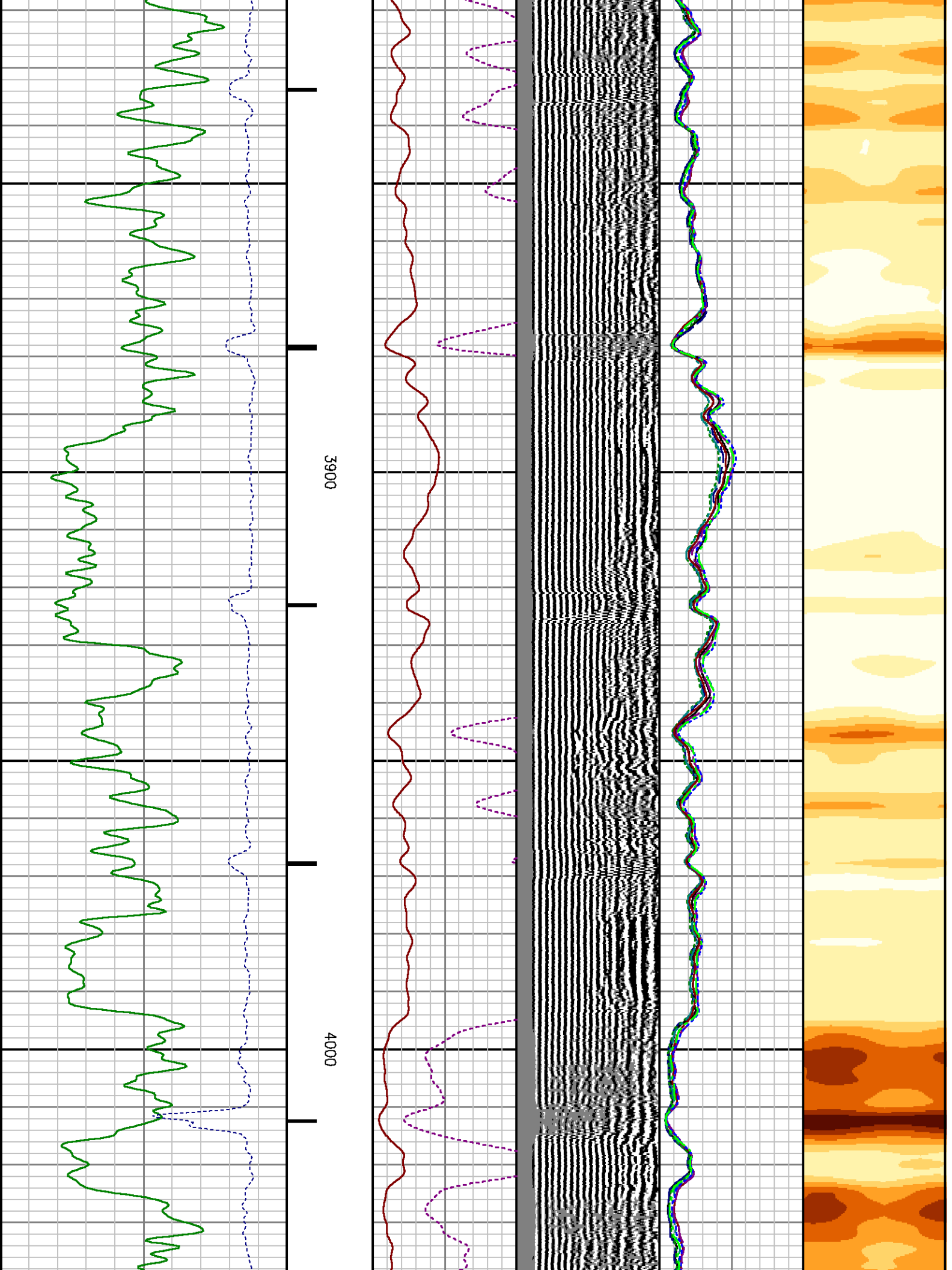


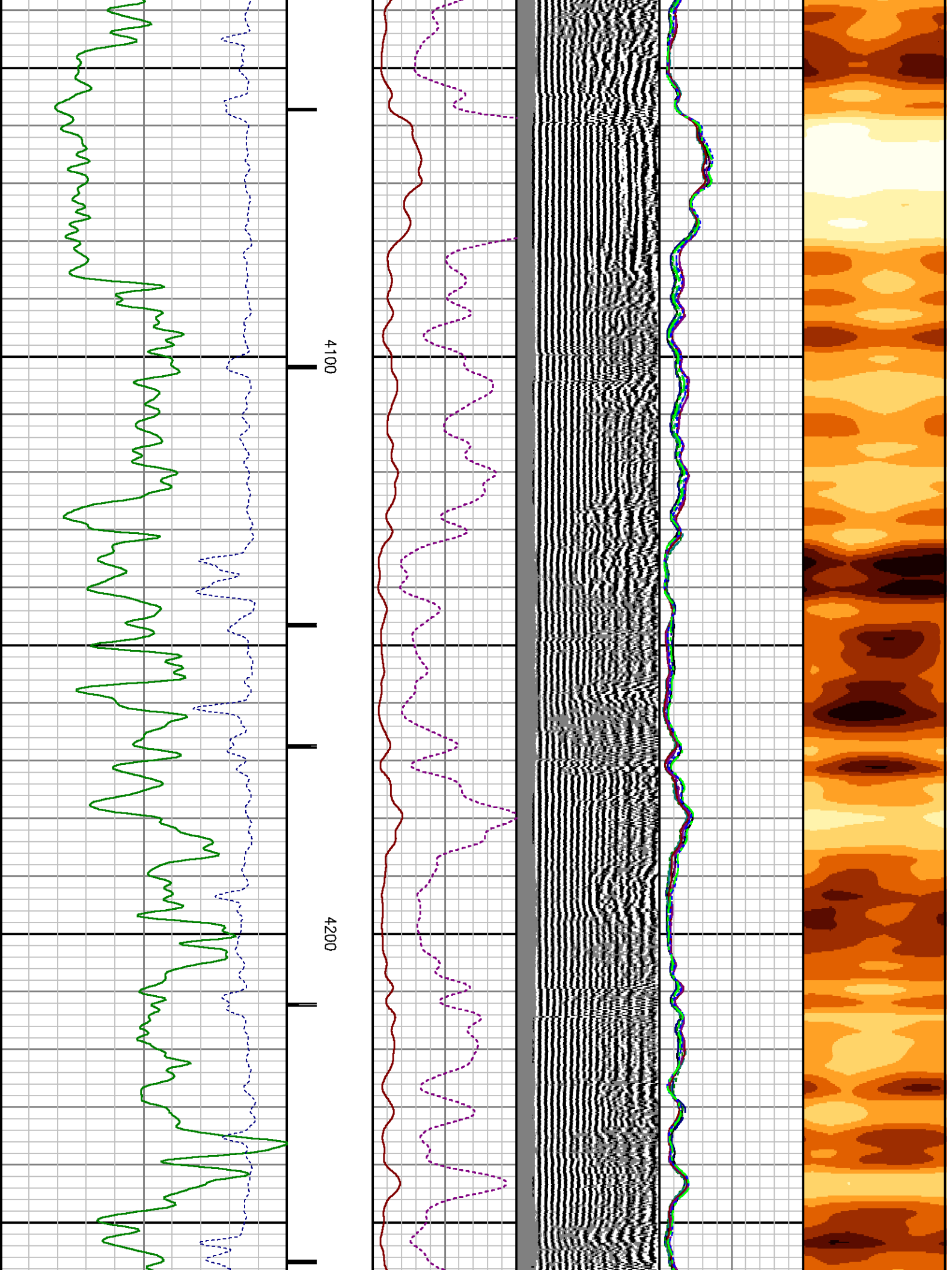


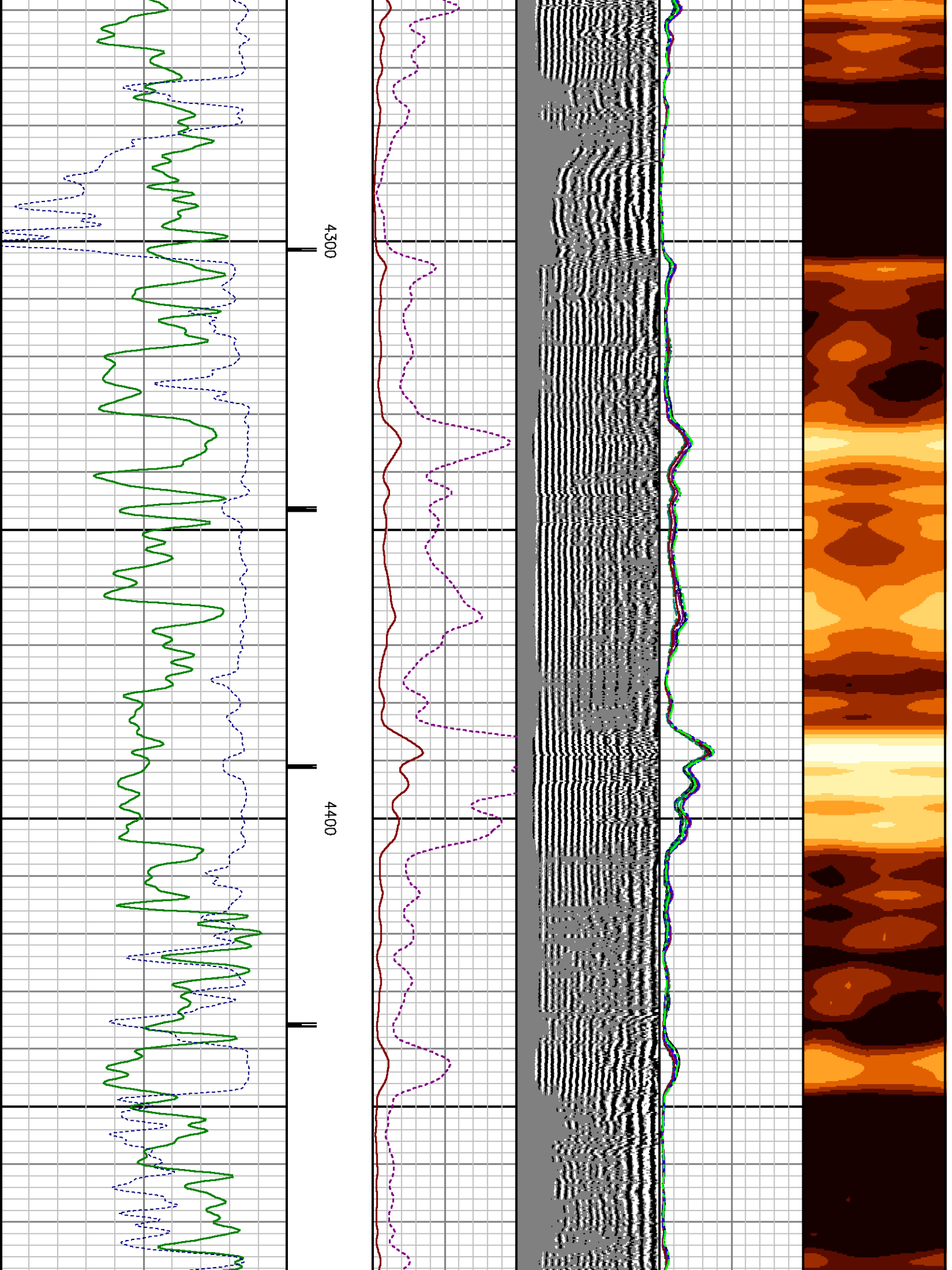


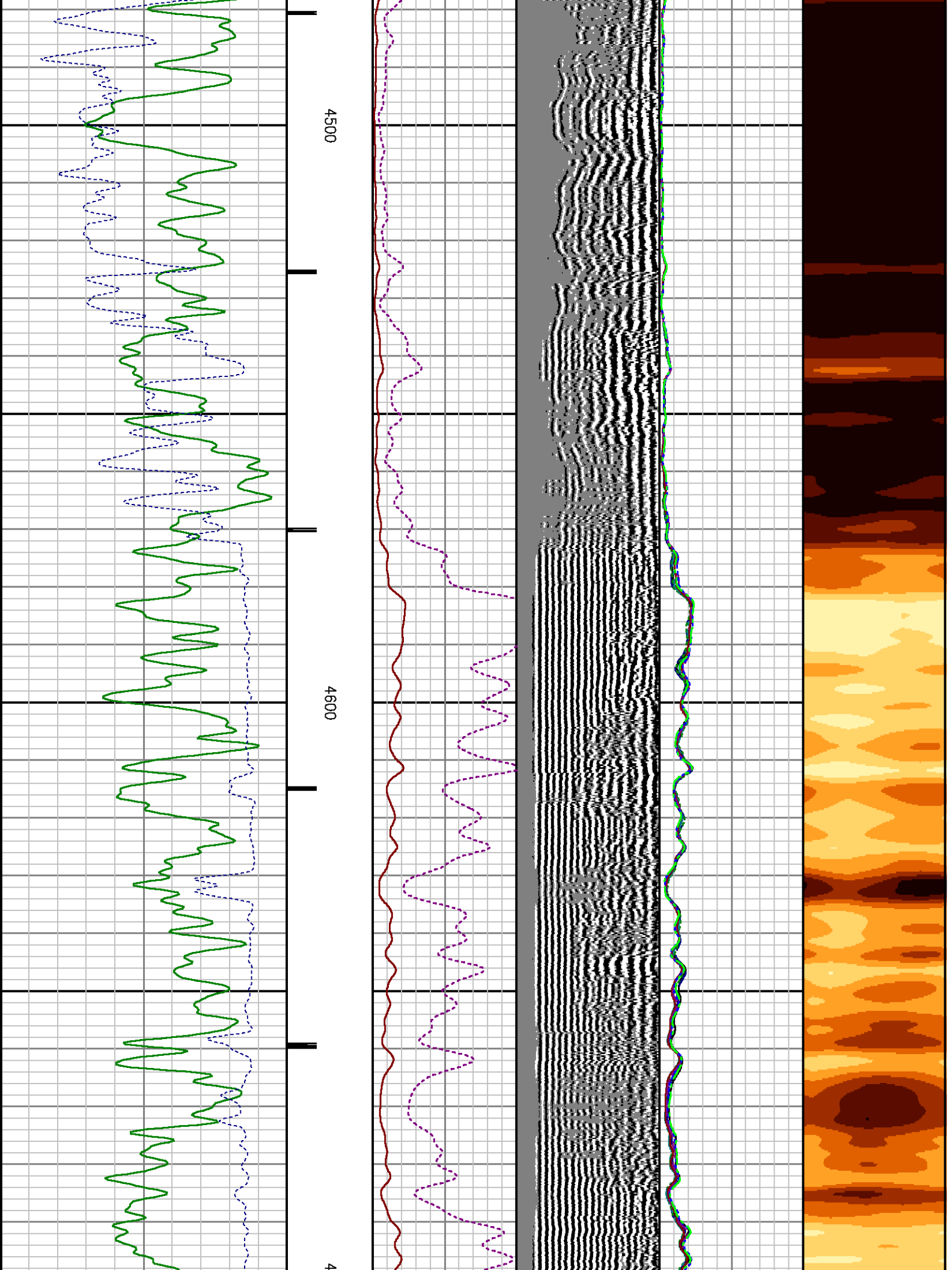


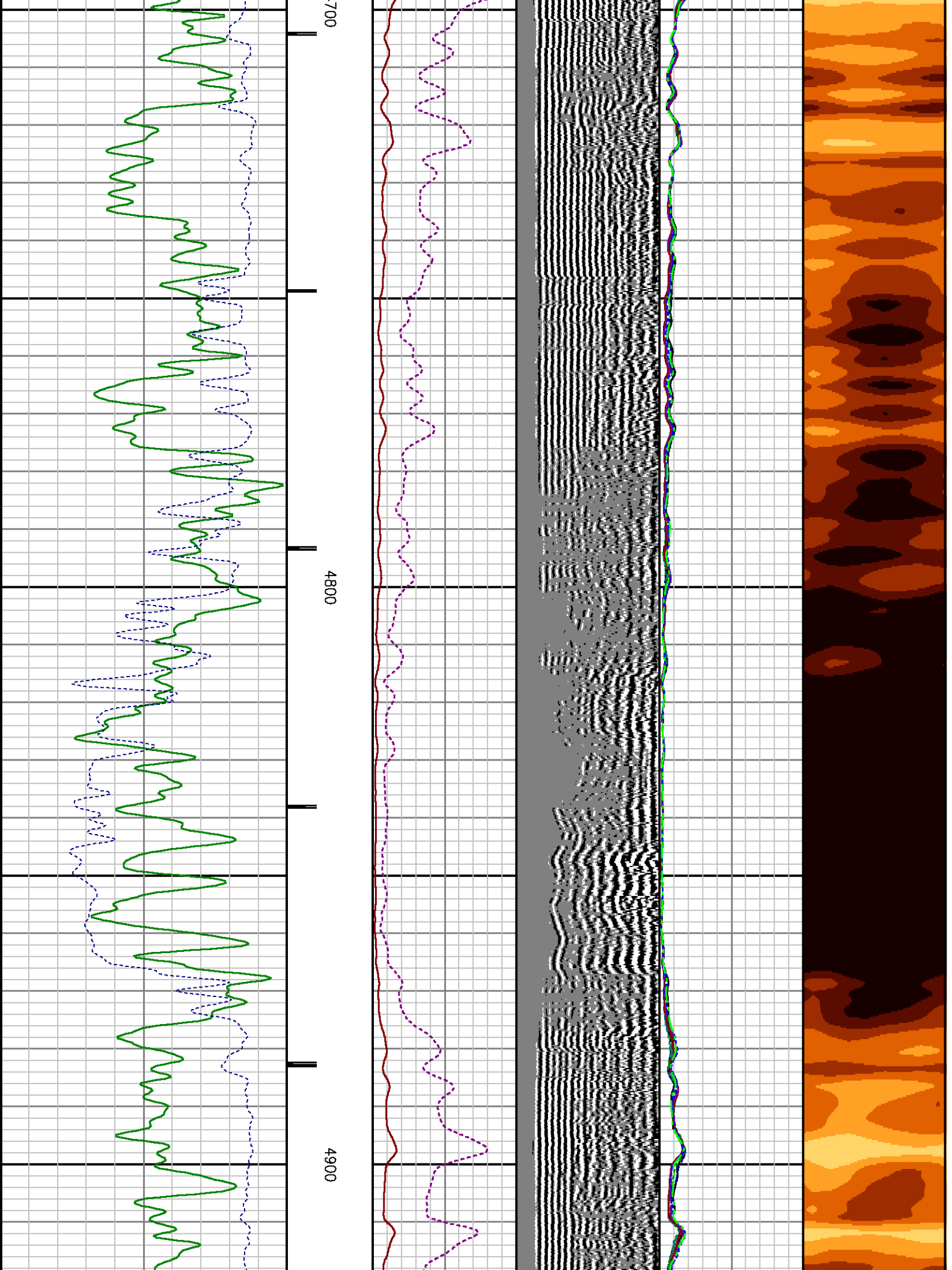


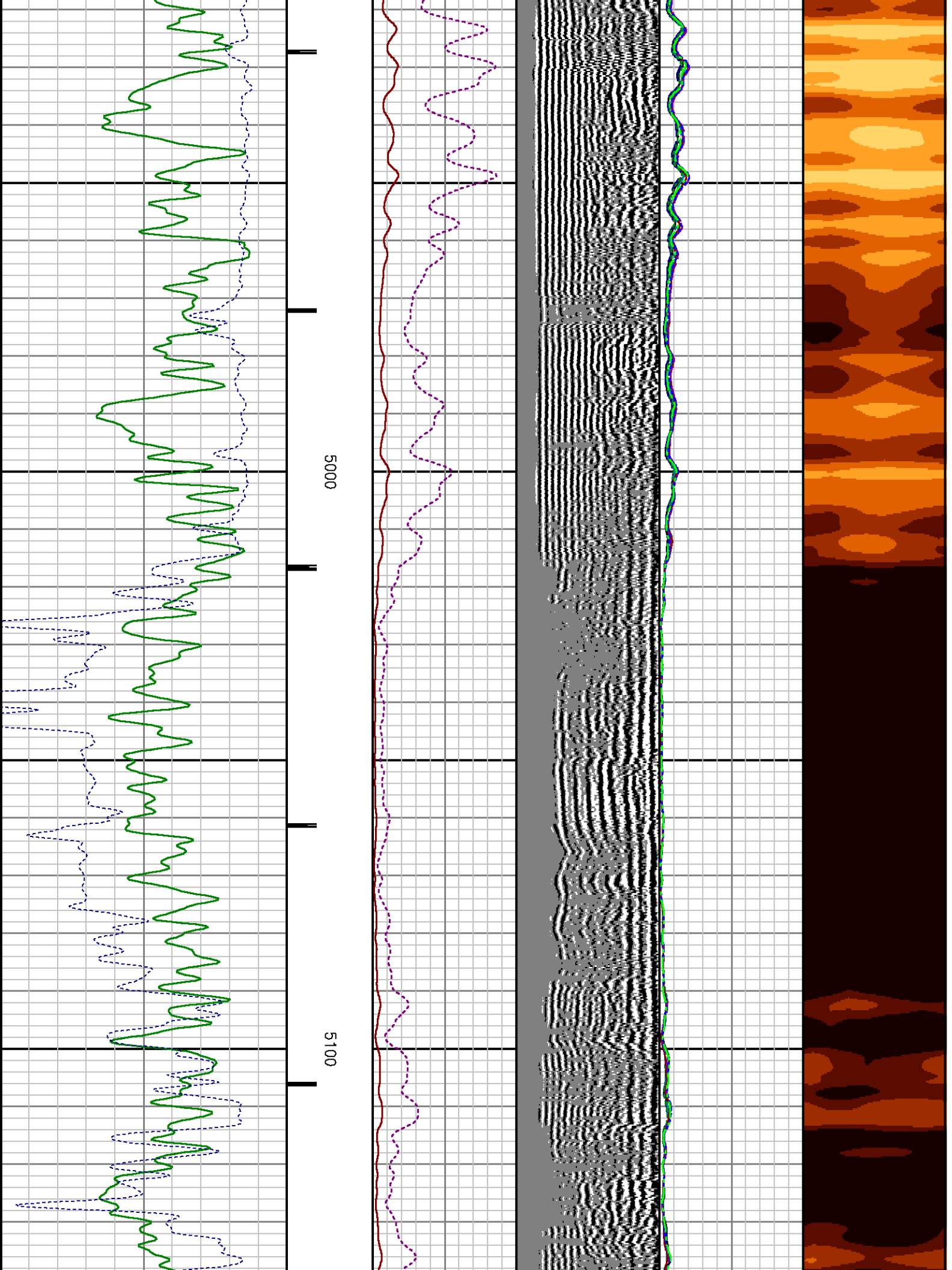


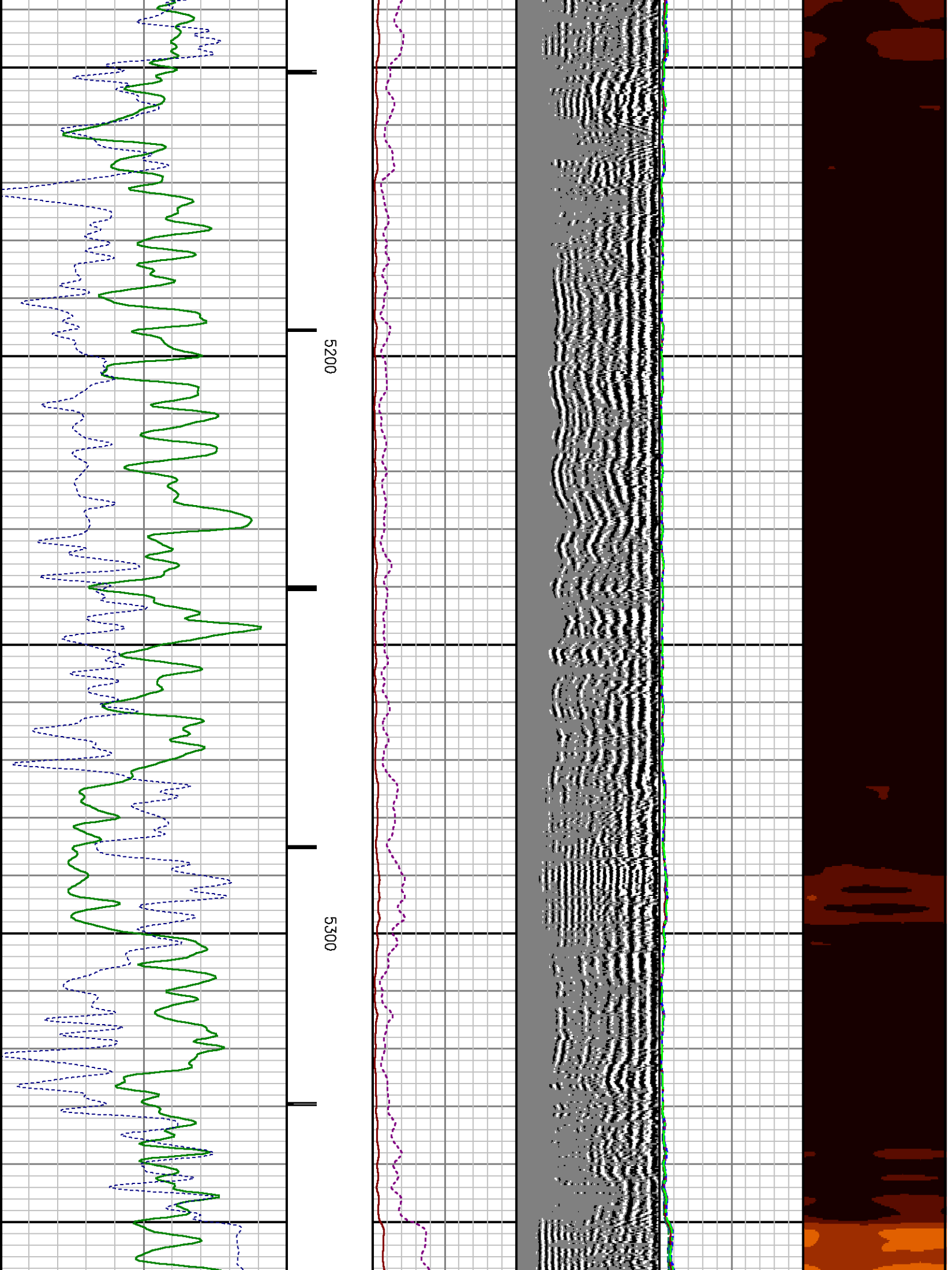


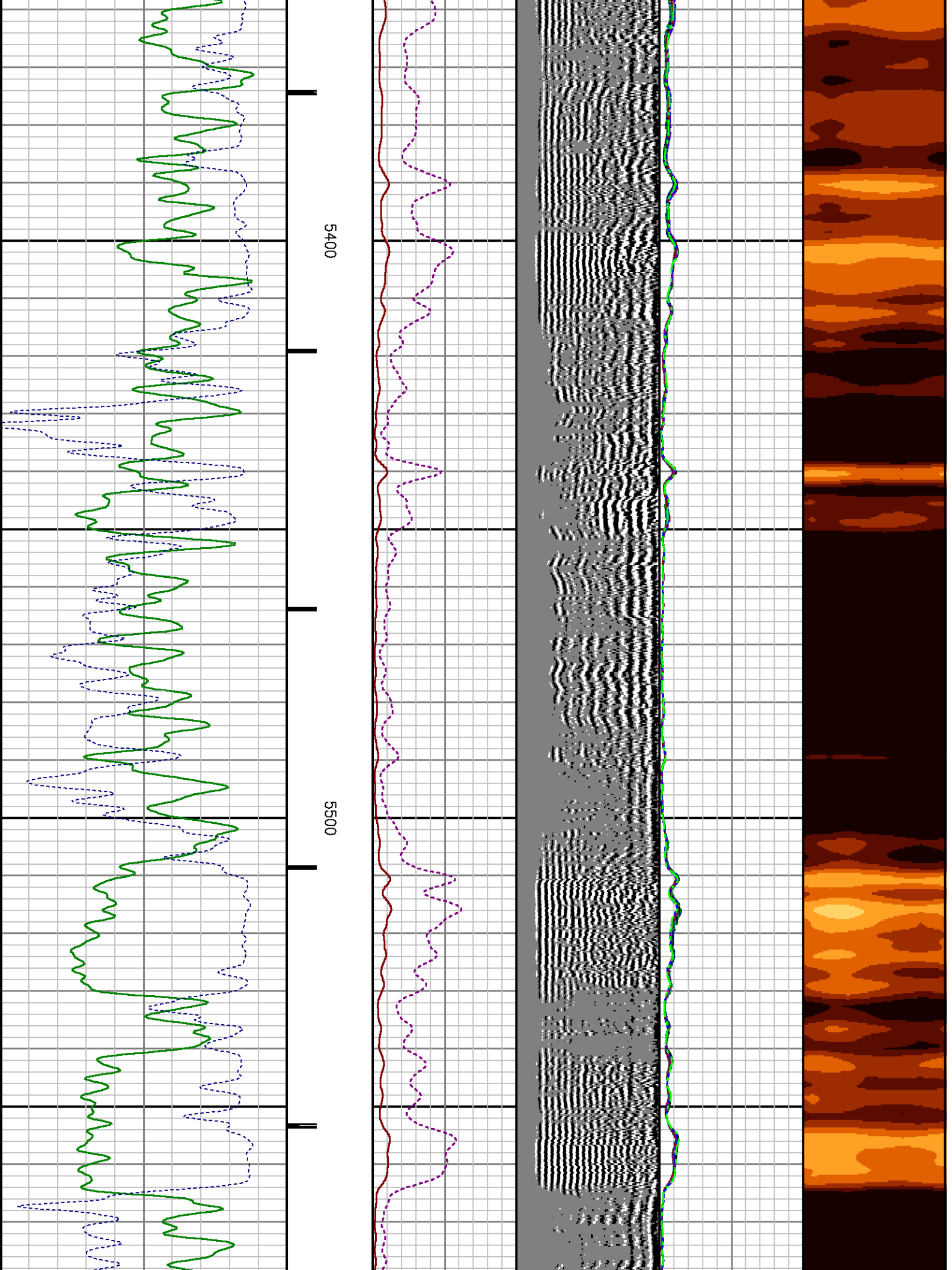


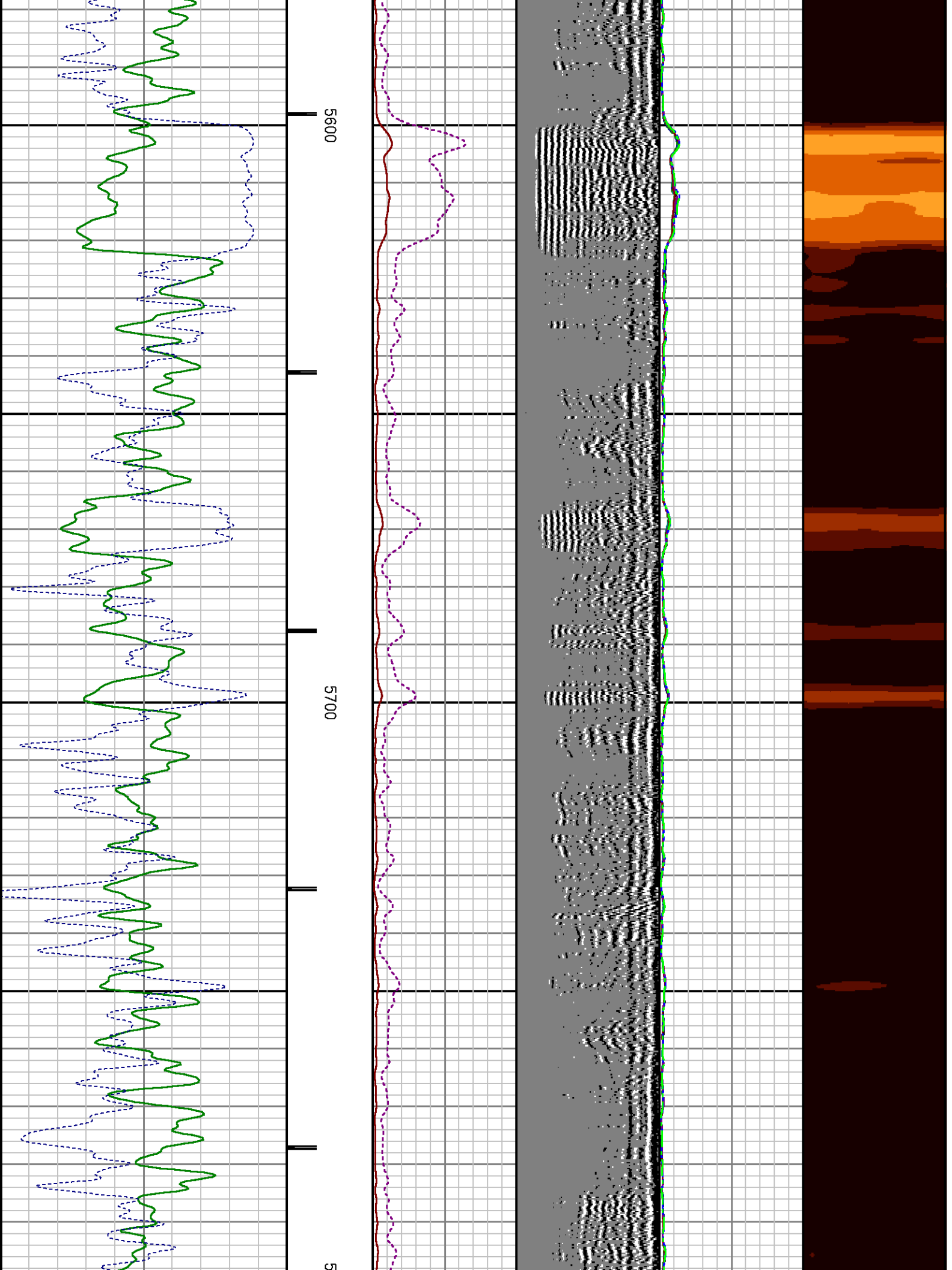


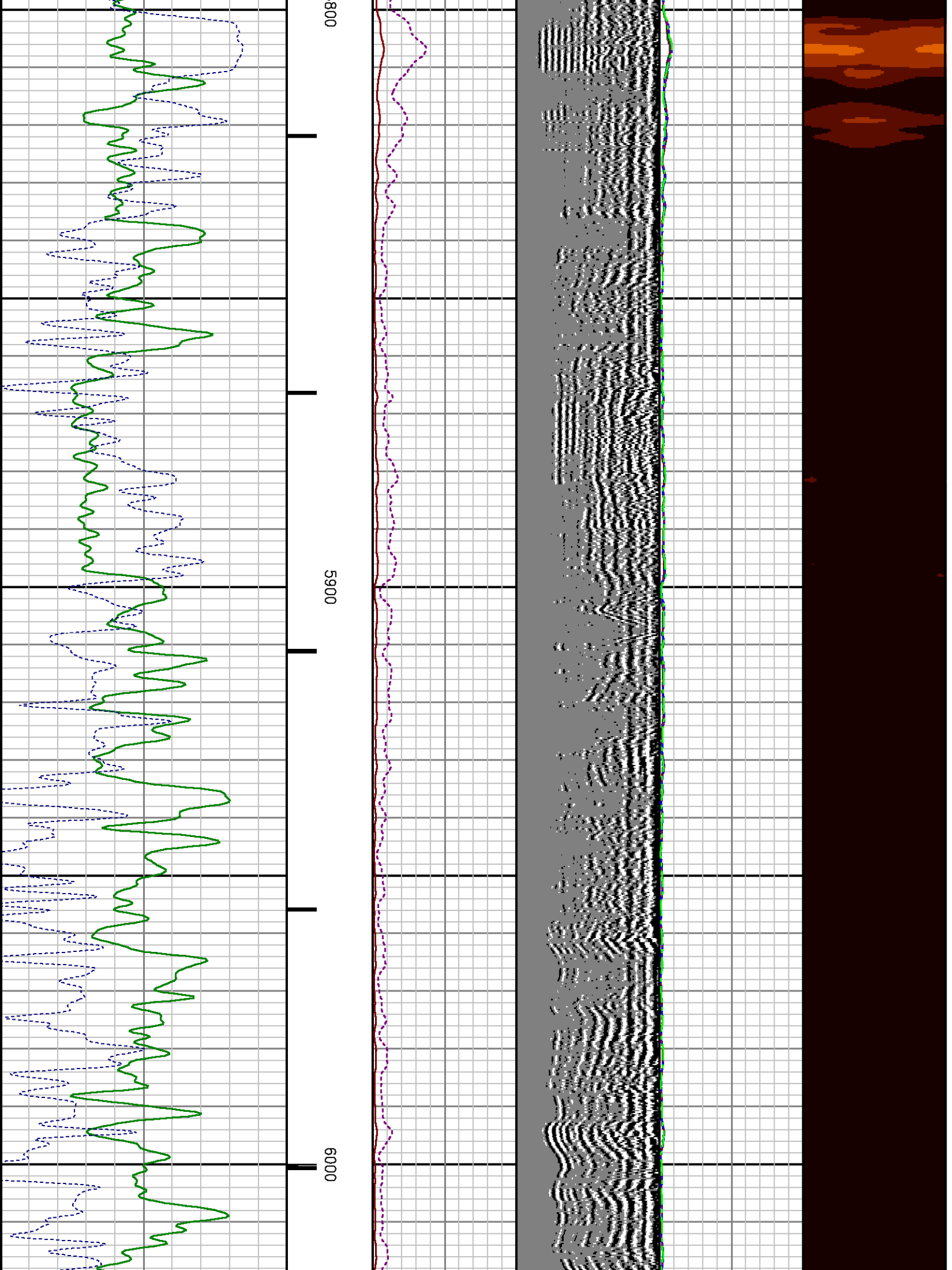


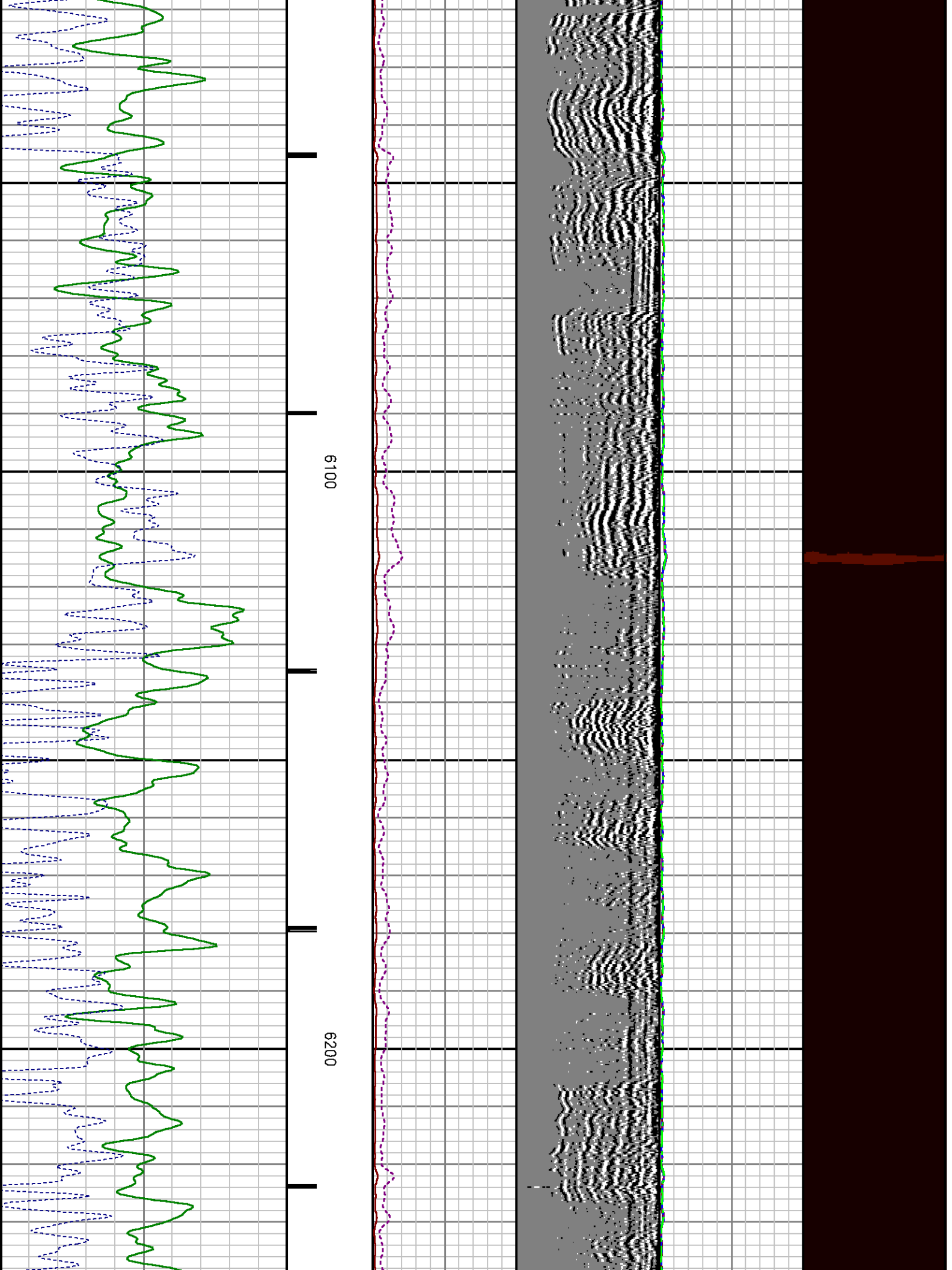


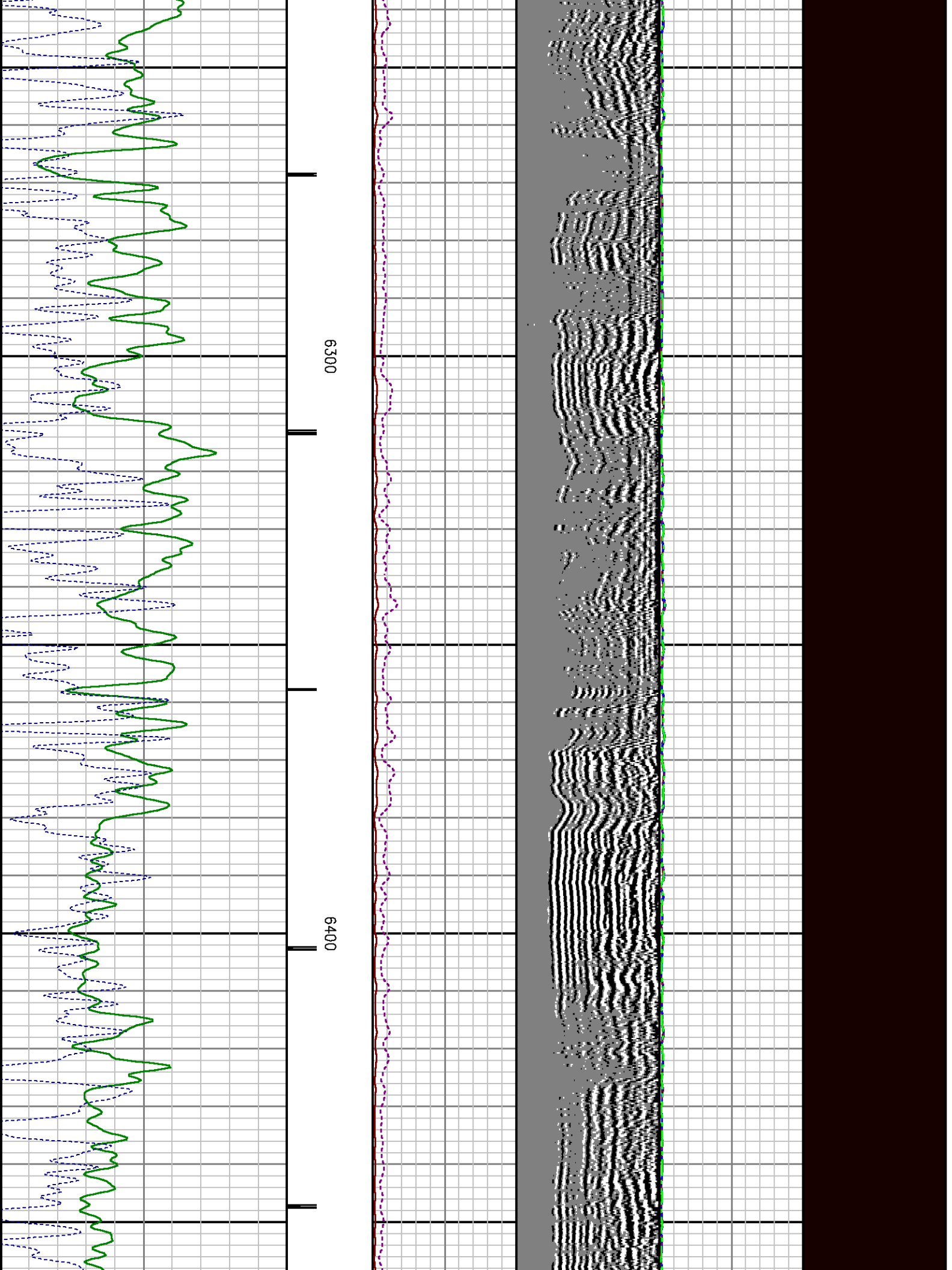


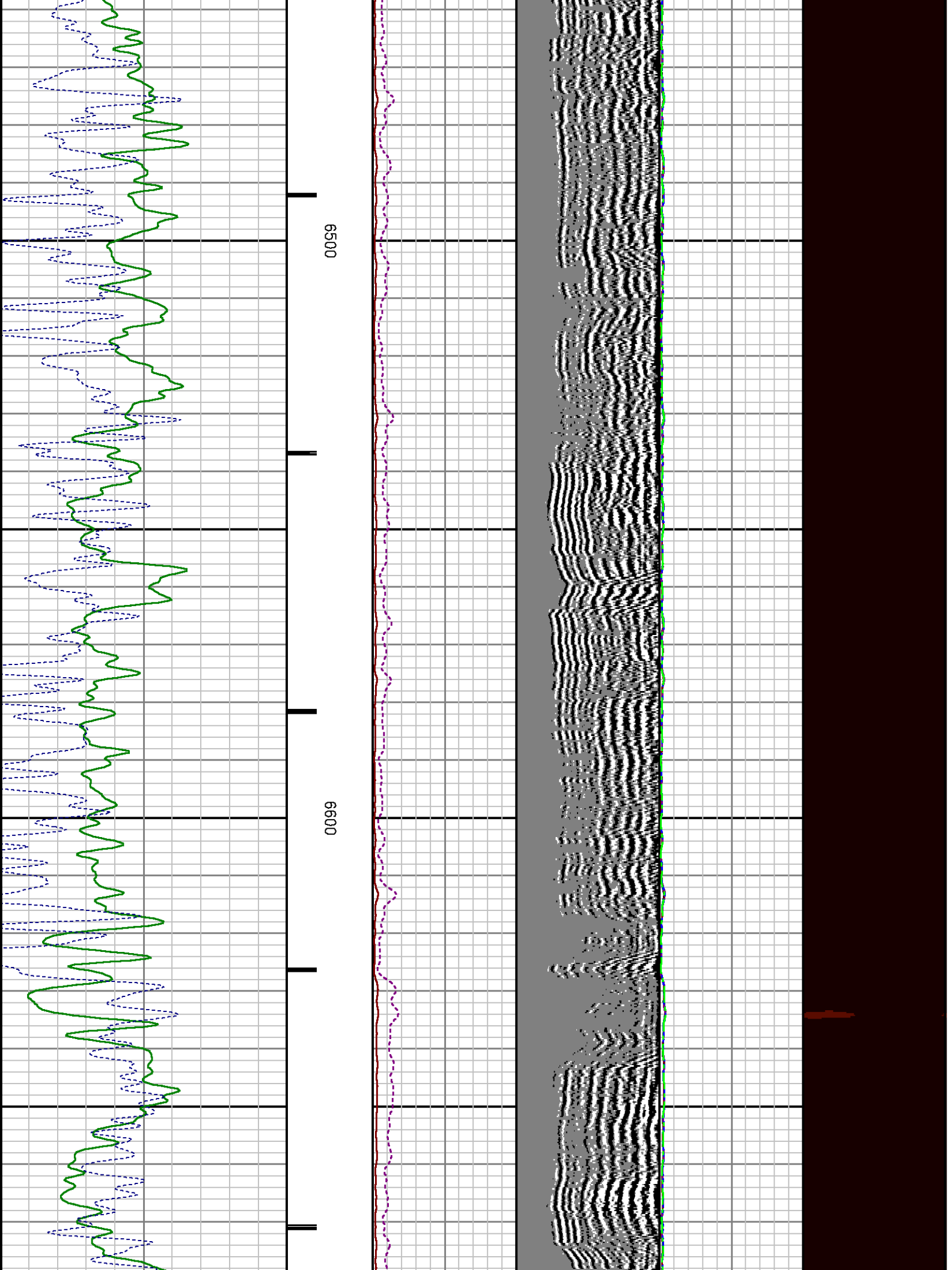


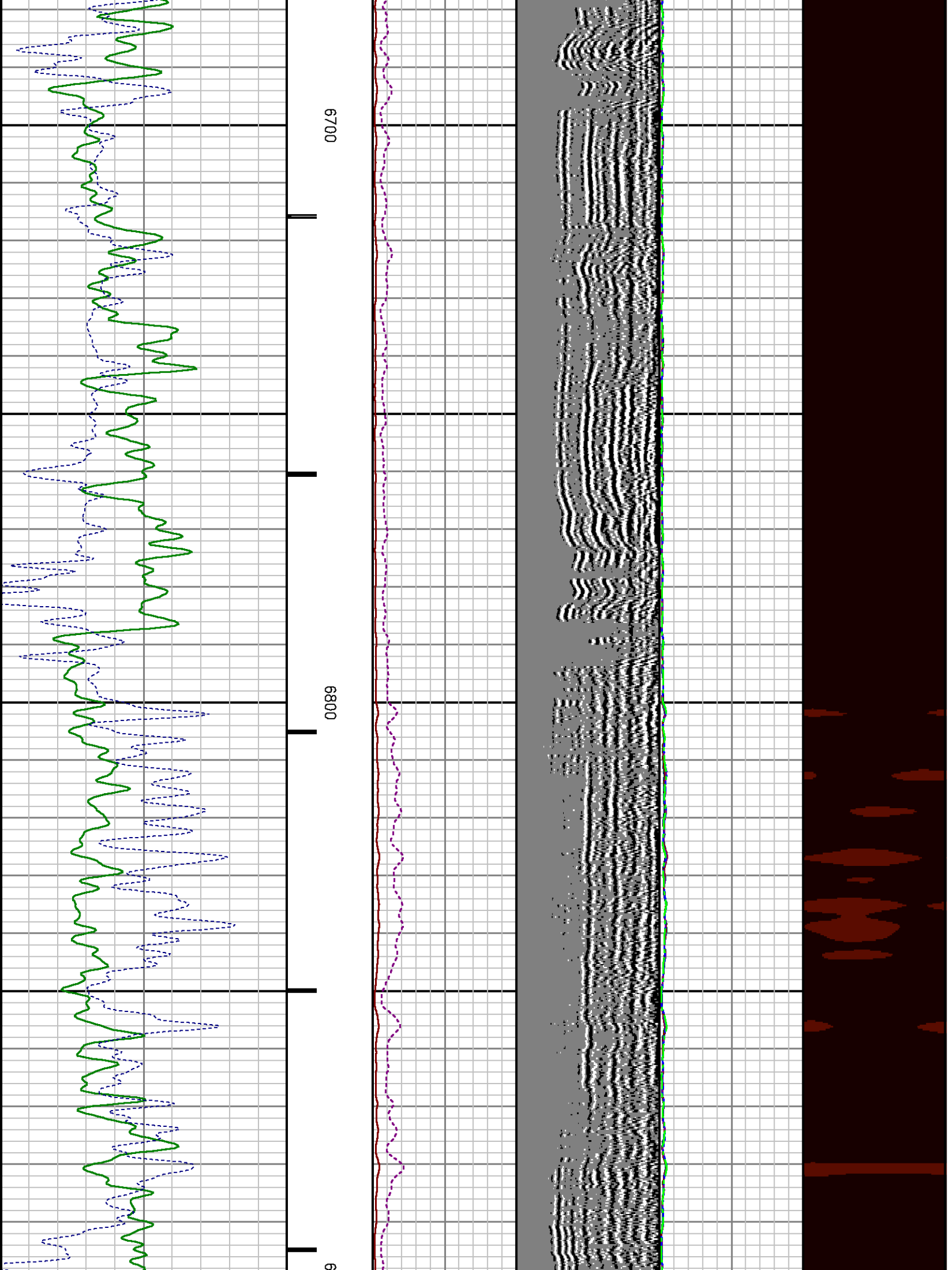


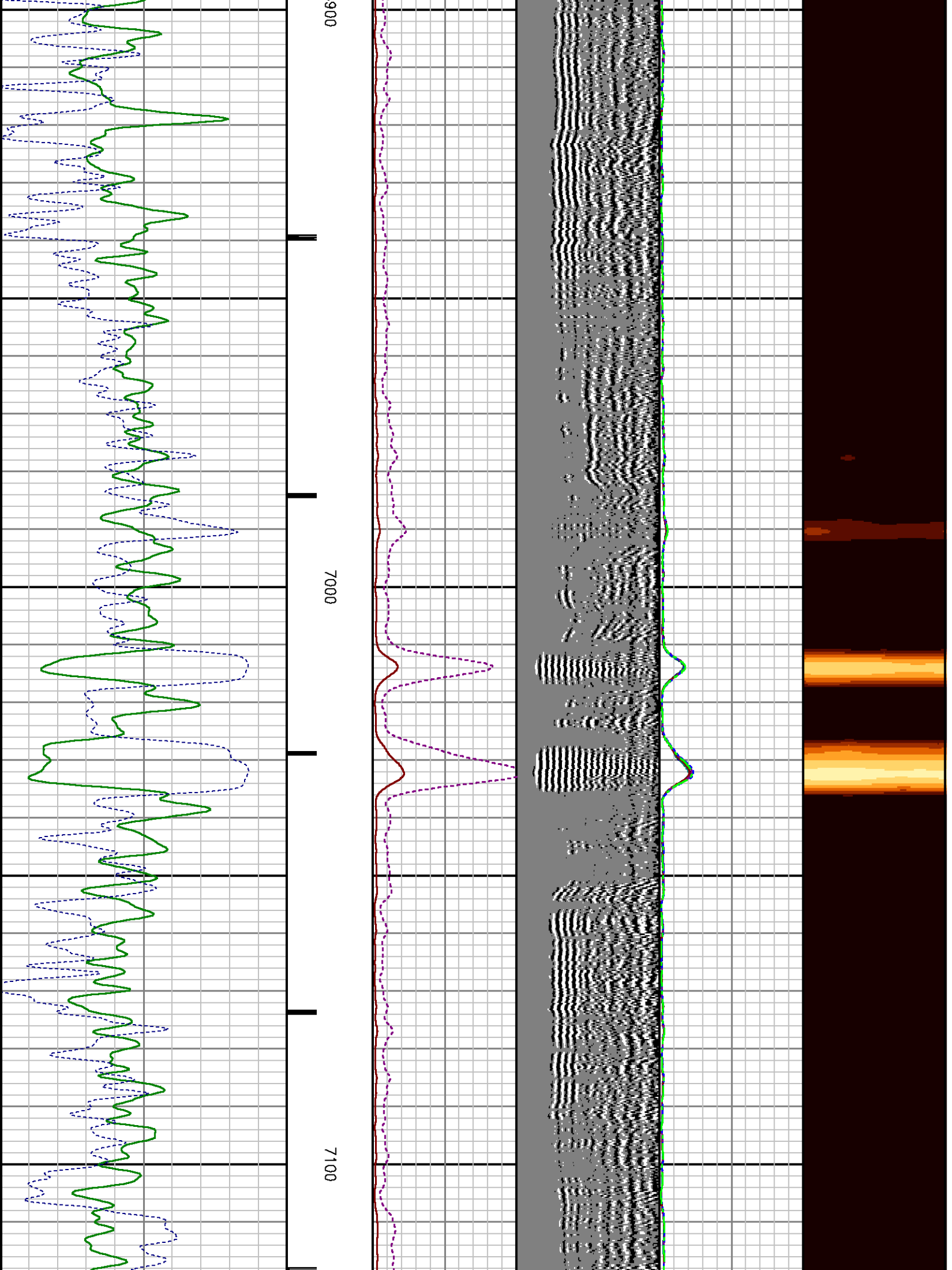


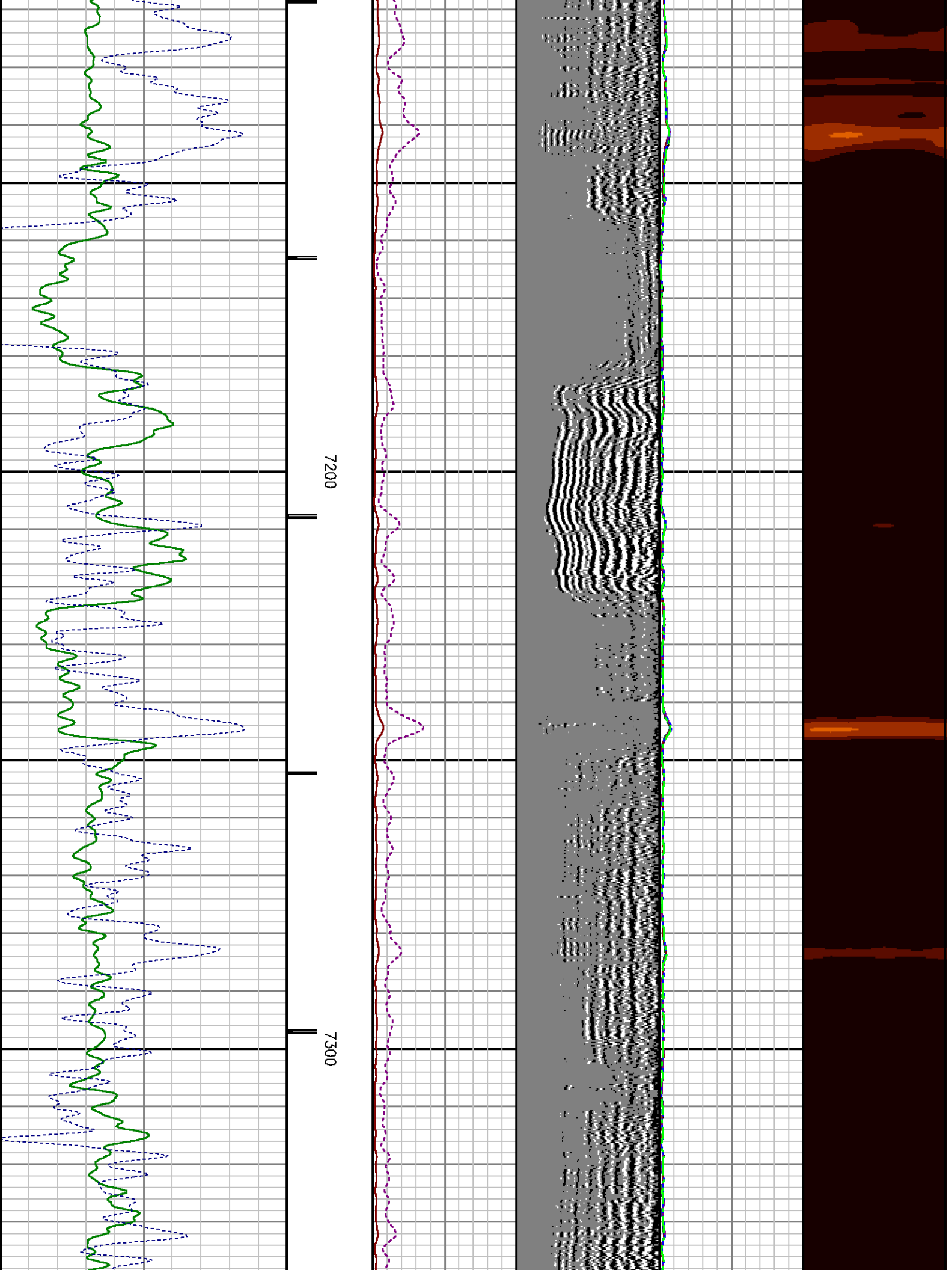


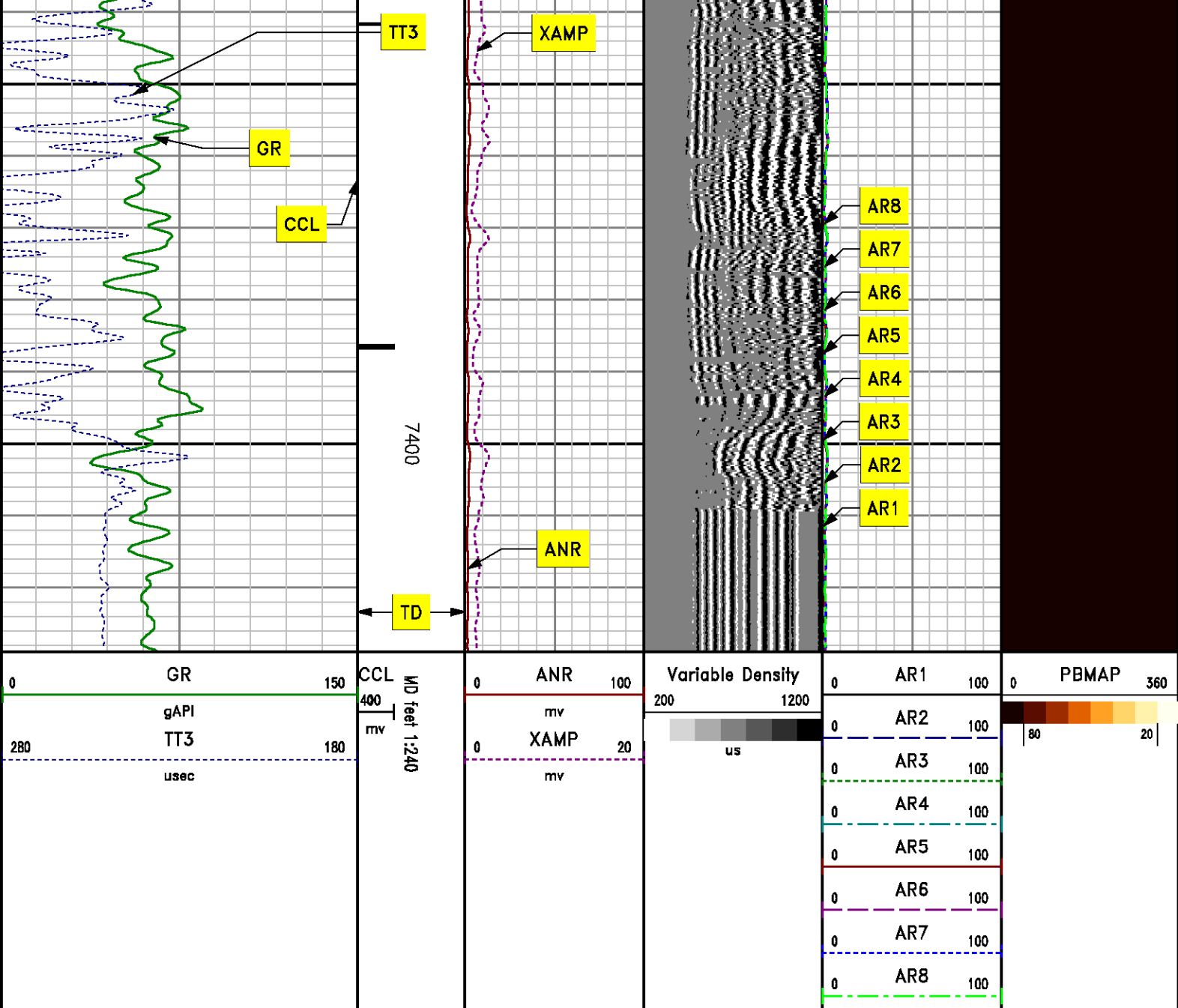












REPEAT SECTION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	303.000	usec	7135.770	7441.020

RAL	Amp Gate Start Near	197.000	usec	7135.770	7441.020
RAL	Amp Gate Start Radial	197.000	usec	7135.770	7441.020
RAL	Amp Gate Width Far	25.000	usec	7135.770	7441.020
RAL	Amp Gate Width Near	25.000	usec	7135.770	7441.020
RAL	Amp Gate Width Radial	25.000	usec	7135.770	7441.020
RAL	casing od	5.500	inches	7135.770	7441.020
RAL	casing wt	15.500	lbm/ft	7135.770	7441.020
RAL	FB Start Far	307.187	usec	7135.770	7441.020
RAL	FB Start Near	190.678	usec	7135.770	7441.020
RAL	FB Start Radial	190.678	usec	7135.770	7441.020
RAL	FB Thresh Far	10.000	mv	7135.770	7441.020
RAL	FB Thresh Near	4.000	mv	7135.770	7441.020
RAL	FB Thresh Radial	4.000	mv	7135.770	7441.020
RAL	Fluid Travel Time	200.000	usec/ft	7135.770	7440.988

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		
		AFAR	SIG	TT5					
1426XA	-10.040	AFAR	SIG	TT5					
1355XA	-5.620	CCL							
1355XA	-1.500	GR							
1355XA	0.000	TEMP							

Created by : RAL, v4.8.007

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

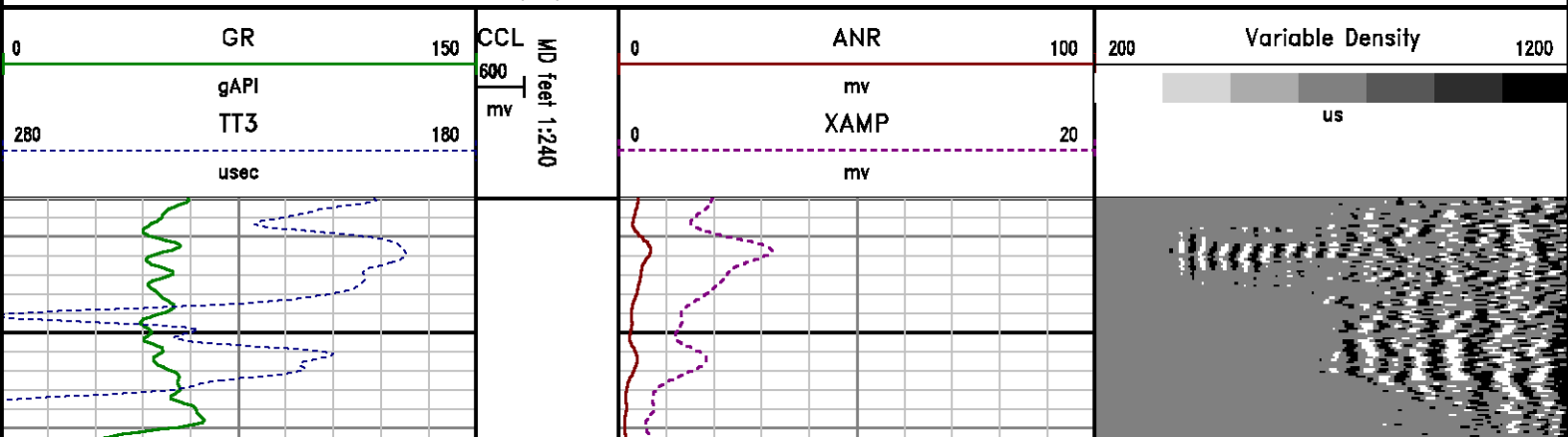
Well : JOLLEY KP 523-8

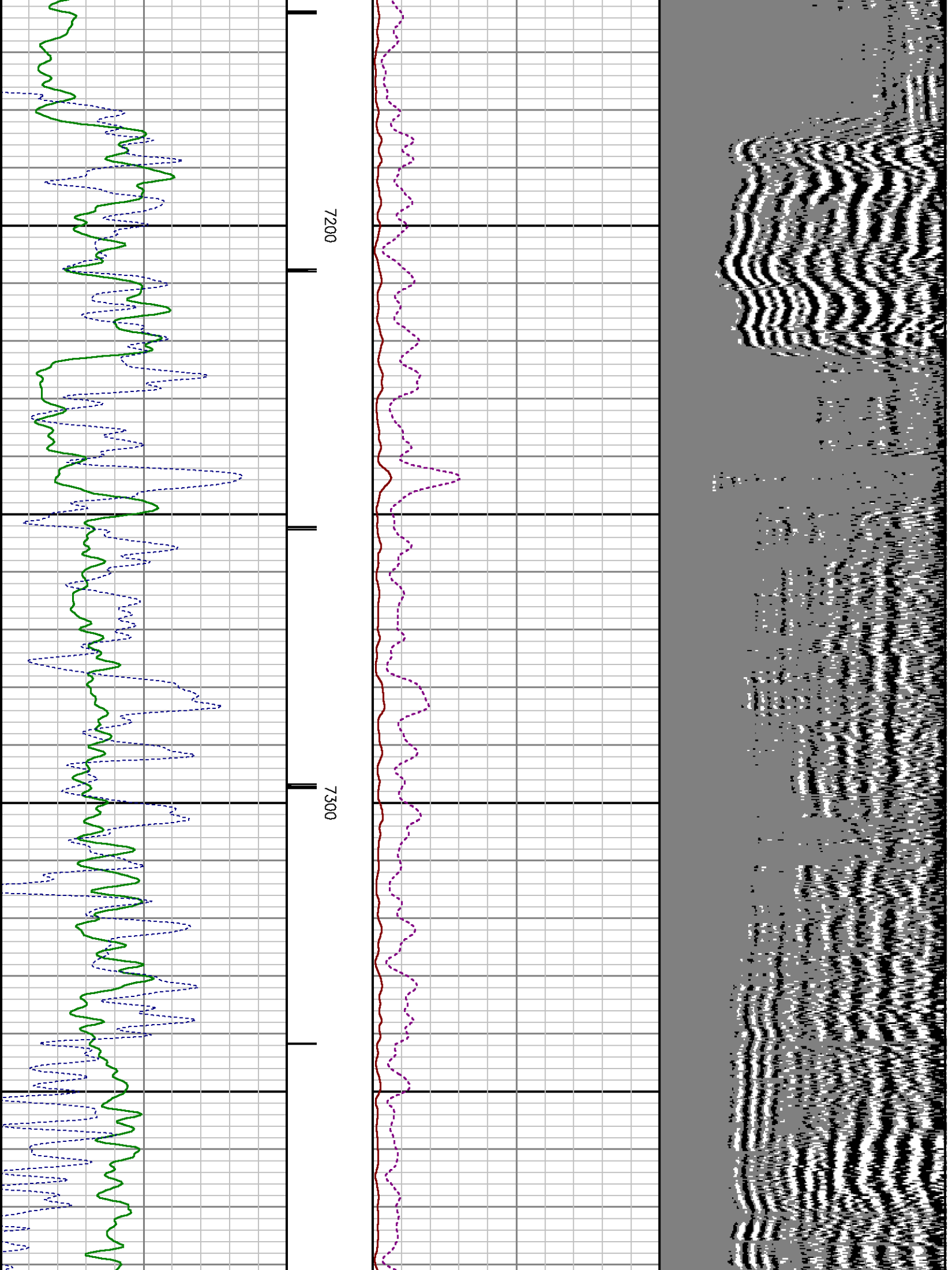
File Name : D:\WELLDATA\WPX ENERGY\Jolley KP 523-8\cb1523\REPEAT.XTF

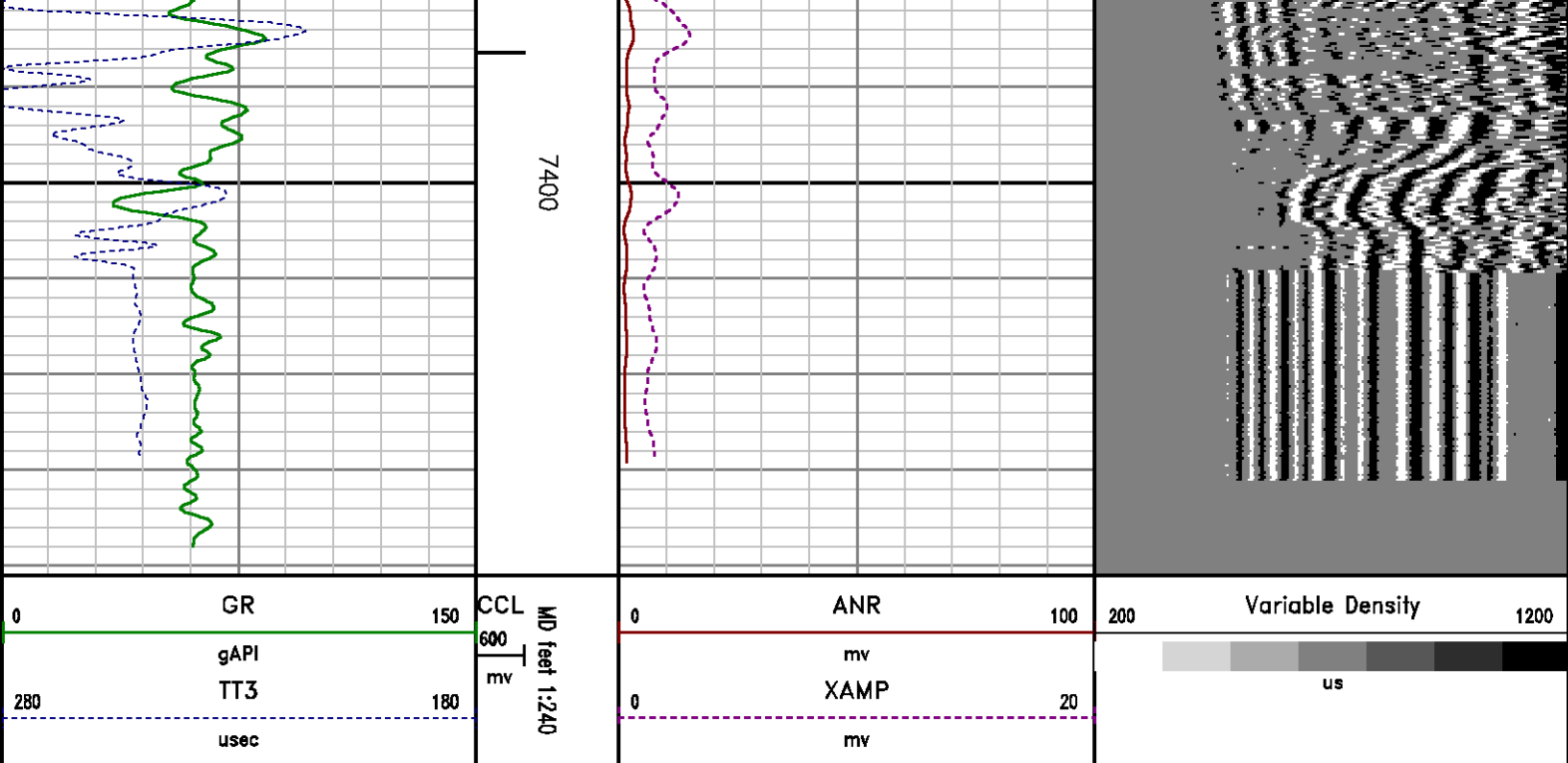
Mode : PlotMgr 5.4.504

Interval : 7136.02 - 7441.02 feet UP

Created : 5/17/2012 11:49:11 AM







CALIBRATION SUMMARY

RALSHP

Shop Calibration: C:\case\calver\RALSHP\496JJS_shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu May 17 08:23:25 2012 TOOL SERIES: 1426XA ASSET: 496 SEQ: JJS

Tool Delay [usec] Tank OD Tank Wt Tank ID

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	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="1.512"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
3 Ft. Receiver	<input type="text" value="217"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="9.807"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
5 Ft. Receiver	<input type="text" value="326"/>	<input type="text" value="326"/>	<input type="text" value="25"/>	<input type="text" value="185"/>	<input type="text" value="25"/>	<input type="text" value="3.572"/>	<input type="text" value="150.00"/>	<input type="text" value="0.16"/>
Radial #1	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="6.250"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #2	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="5.173"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #3	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="6.905"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #4	<input type="text" value="218"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="8.169"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #5	<input type="text" value="216"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="9.610"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #6	<input type="text" value="216"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="13.612"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #7	<input type="text" value="215"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="10.532"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>
Radial #8	<input type="text" value="217"/>	<input type="text" value="216"/>	<input type="text" value="25"/>	<input type="text" value="166"/>	<input type="text" value="25"/>	<input type="text" value="8.616"/>	<input type="text" value="100.00"/>	<input type="text" value="0.13"/>

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\496JJS fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Thu May 17 08:24:35 2012 TOOL SERIES: 1426XA ASSET: 496 SEQ: JJS

Tool Delay [usec] Casing OD Casing Wt Casing ID
In In lbm/ft 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="166"/>	<input type="text" value="25"/>	<input type="text" value="0.130"/>	<input type="text" value="0.000"/>	<input type="text" value="1.00"/>	<input type="text" value="100.000"/>
3 Ft. Receiver	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.765"/>			
5 Ft. Receiver	<input type="text" value="317"/>	<input type="text" value="25"/>	<input type="text" value="-2.495"/>			
Radial #1	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.268"/>			
Radial #2	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.388"/>			
Radial #3	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.498"/>			
Radial #4	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.596"/>			
Radial #5	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.649"/>			
Radial #6	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.801"/>			
Radial #7	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.677"/>			
Radial #8	<input type="text" value="200"/>	<input type="text" value="25"/>	<input type="text" value="-0.558"/>			

GAMMA RAY

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

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Fri Mar 16 10:10:19 2012 TOOL SERIES: 1355XA ASSET: 209 SEQ: M

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K S2K	<input type="text" value="79.96"/>	<input type="text" value="484.98"/>	<input type="text" value="0.457"/>	<input type="text" value="36.52"/>	<input type="text" value="221.52"/>	<input type="text" value="185.00"/>

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

PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED: Fri Mar 16 10:11:47 2012 TOOL SERIES: 1355XA ASSET: 209 SEQ: M

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K S2K	<input type="text" value="81.69"/>	<input type="text" value="477.16"/>	<input type="text" value="0.457"/>	<input type="text" value="37.31"/>	<input type="text" value="217.95"/>	<input type="text" value="180.64"/>

TOOL DIAGRAM

OTA SHORT CABLE HEAD

PROBE 2 3/4 DUAL RECEIVER RADII

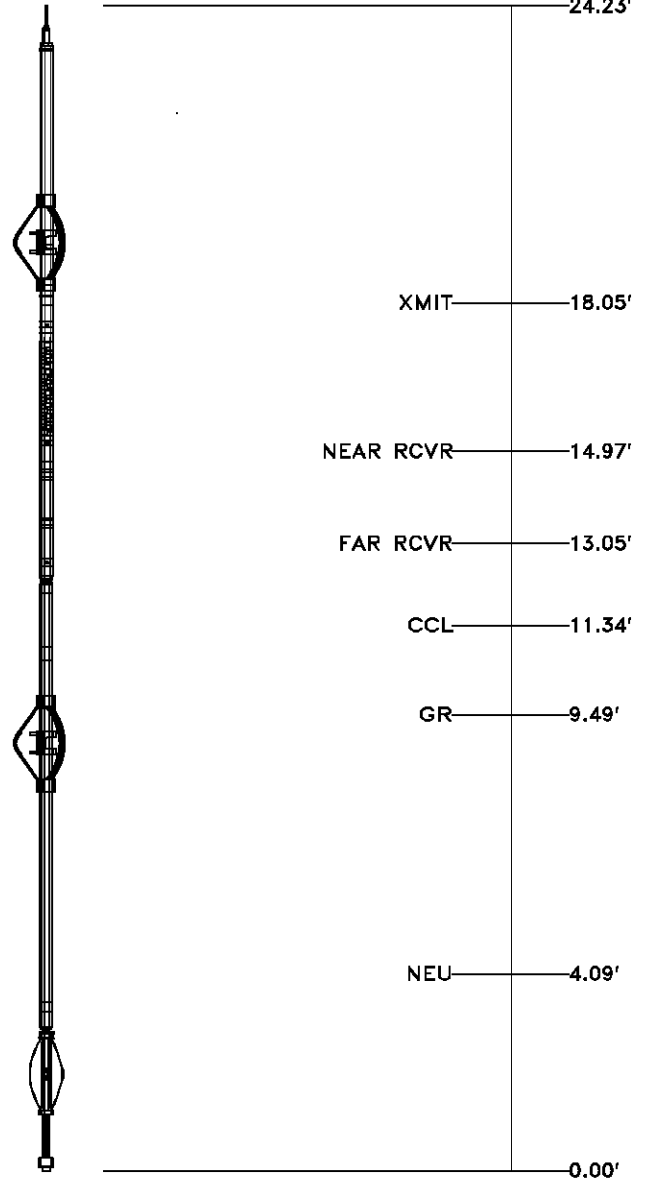
Series 1426XA
 Mnemonic PROB
 Diameter 2.75"
 Length 11.17'
 Measure Point 0.75' FAR RCVR
 Measure Point 2.67' NEAR RCVR
 Measure Point 5.75' XMIT
 Temp Rating 350.00 °F
 Press Rating 18000.00 PSI

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 523-8
 Field KOKOPELLI
 County GARFIELD State COLORADO

File No: CH053989
 API No: 05045209970000

Location SHL: 196' FSL 2306' FWL SECTION 8
 Elevations KB 6552 ft

8 6S 91W



BRL: 1516 FSL 1978 FWL SECTION 8

DF
GL 6528 ft

KP 24-8 PAD
NABORS 574

SEC 8 TWP 6S RGE 91W