



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: CH071536	Company Well Field County	WPX ENERGY GOLDSBOROUGH PA 11-11 PARACHUTE GARFIELD	State COLORADO
API No: 05045218220000	Location SHL: 2401' FNL & 2022' FNL SEC:11 BHL: 150' FNL & 519' FNL SEC:11 CYCLONE 17		Other Services RPM
11 75 95W PA 22-11 CYCLONE 17	SEC 11 TWP 75 RGE 95W	Permanent Datum Log Measured From Drill Measured From	
E.L. _____ Elevation 6274 ft K.B. _____ 26 ft Above P. D. KELLY BUSHING		Elevations KB 5300 ft DF GL 6274 ft	

Date	26/APR/15	
Run	ONE	
Service Order	575113	
Depth Driller	6451 ft	
Depth Logger	6436 ft	
Bottom Logged Interval	6426 ft	
Top Logged Interval	26 ft	
Time Started	7:30	
Time Finished	12:30	
Operator Rig Time	5 HRS	
Type of Fluid in Hole	WATER	
Fluid Density	N/A	
Salinity	N/A	
Fluid Level	76 ft	
Logged Cement Top	N/A	
Wellhead Pressure	0 psi	
Maximum Hole Deviation	N/A	
Nominal Logging Speed	45 fpm	
Maximum Recorded Temperature	226 degF	
Reference Log	N/A	
Reference Log Date	N/A	
Equipment No.	4271	GRAND JUNCTION
Recorded By	U. KINSEL	9721
Witnessed By	MR. DUSTIN WELSCH	GRAND JUNCTION

- 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	1093 ft
8.75 In	0 ft	8542 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In	N/A	N/A	0 ft	1022 ft
4.5 In	11.6 lbm/ft	1-80	0 ft	8451 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 8 FEET DOWN.
SHORT JOINT: 5201' - 5222'
BHT: 226 degF
LOG DONE WITH 0 PSI ON WELLHEAD

Equipment Data					
Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1426XA	10124106	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	306.372	usec	28.718	8452.500
RAL	Amp Gate Start Near	198.687	usec	28.718	8452.500
RAL	Amp Gate Start Radial	198.687	usec	28.718	8452.500
RAL	Amp Gate Width Far	25.000	usec	28.718	8452.500
RAL	Amp Gate Width Near	25.000	usec	28.718	8452.500
RAL	Amp Gate Width Radial	25.000	usec	28.718	8452.500
RAL	casing od	4.500	inches	28.718	8452.500
RAL	casing wt	11.600	lbm/ft	28.718	8452.500
RAL	FB Start Far	291.900	usec	28.718	8452.500
RAL	FB Start Near	175.391	usec	28.718	8452.500
RAL	FB Start Radial	175.391	usec	28.718	8452.500
RAL	FB Thresh Far	10.000	mv	28.718	8452.500
RAL	FB Thresh Near	4.000	mv	28.718	8452.500
RAL	FB Thresh Radial	4.000	mv	28.718	8452.500
RAL	Fluid Travel Time	200.000	usec/ft	28.718	8452.500

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 : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

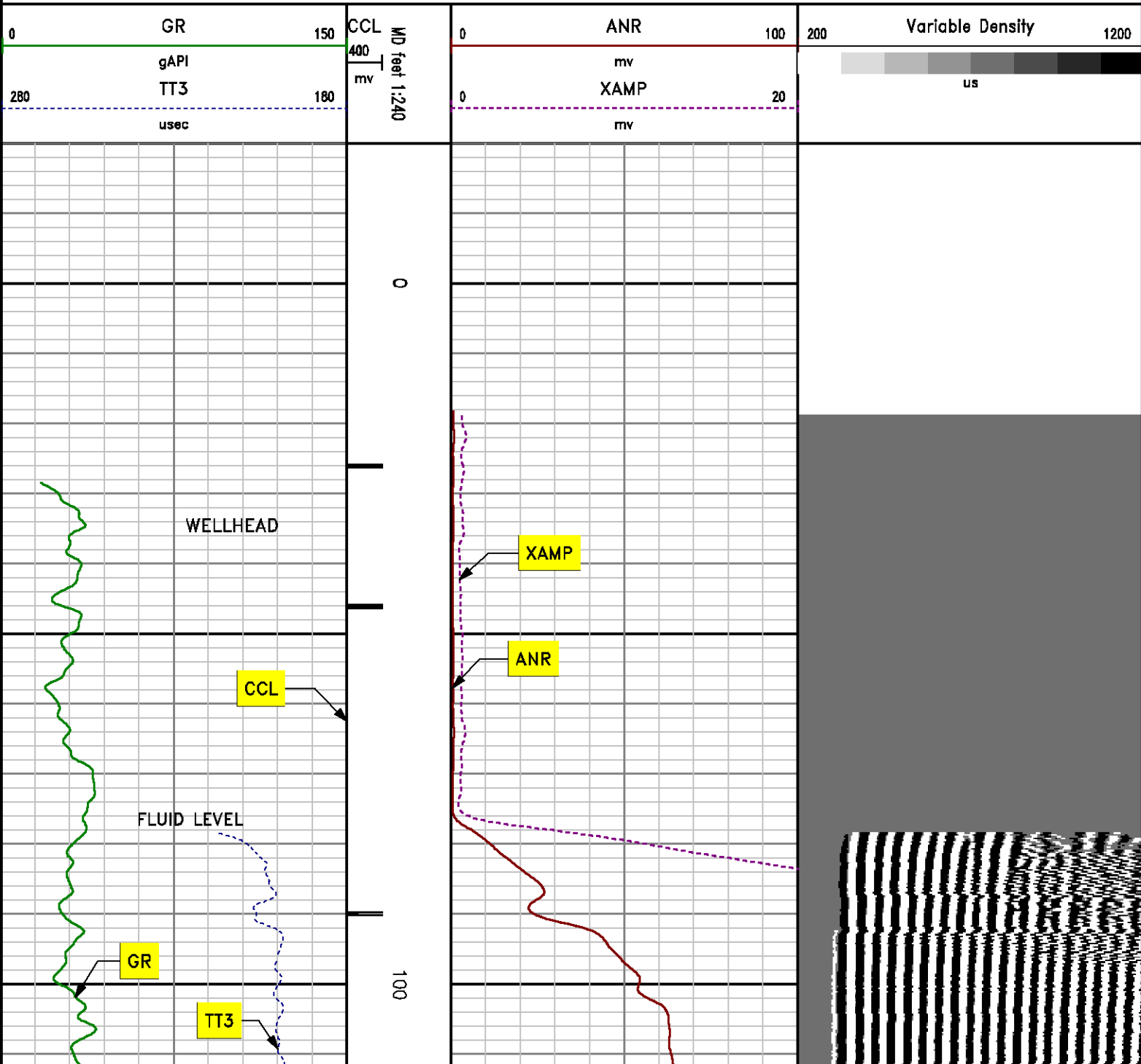
Well : GOLDSBOROUGH PA 11-11

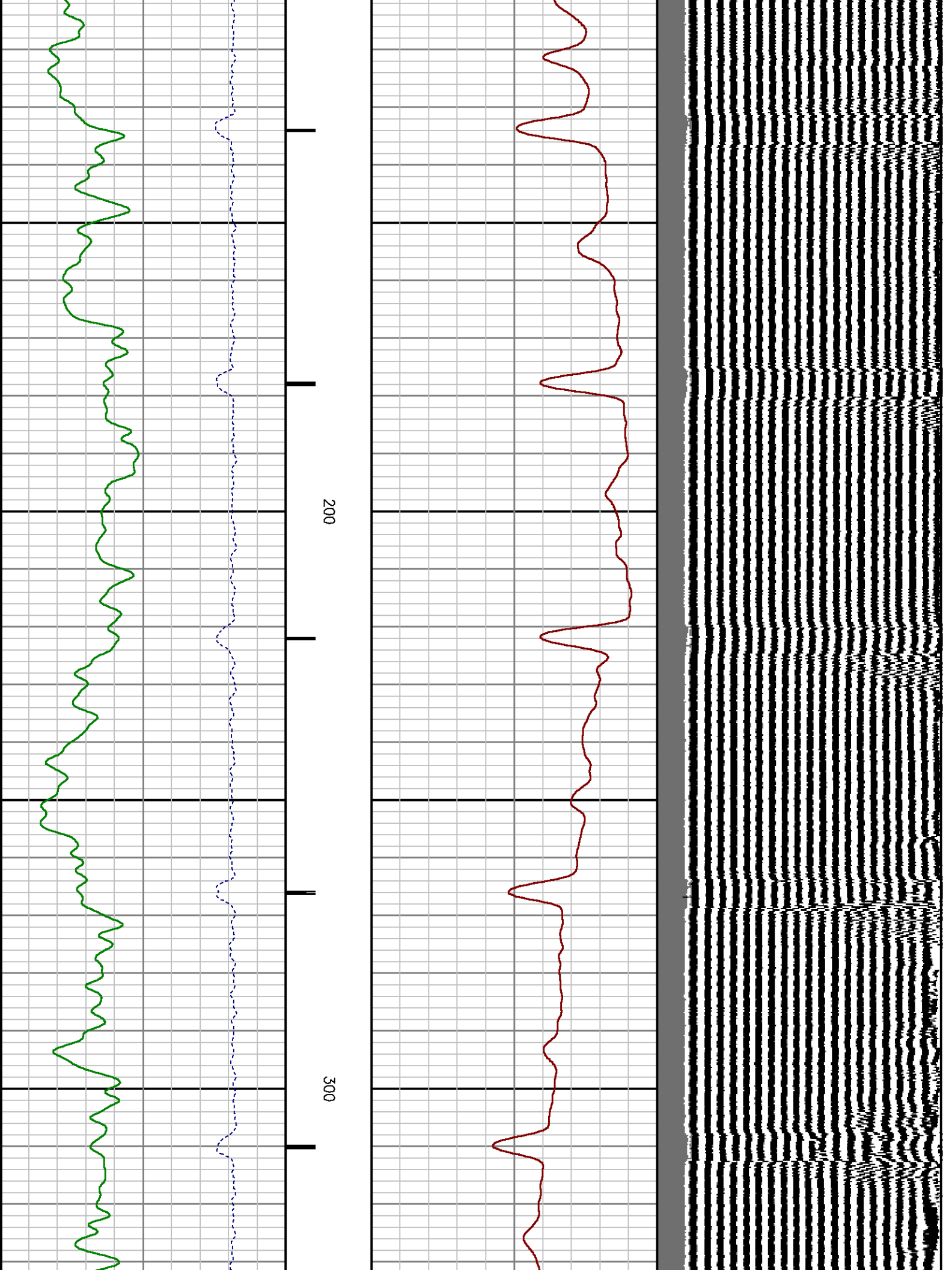
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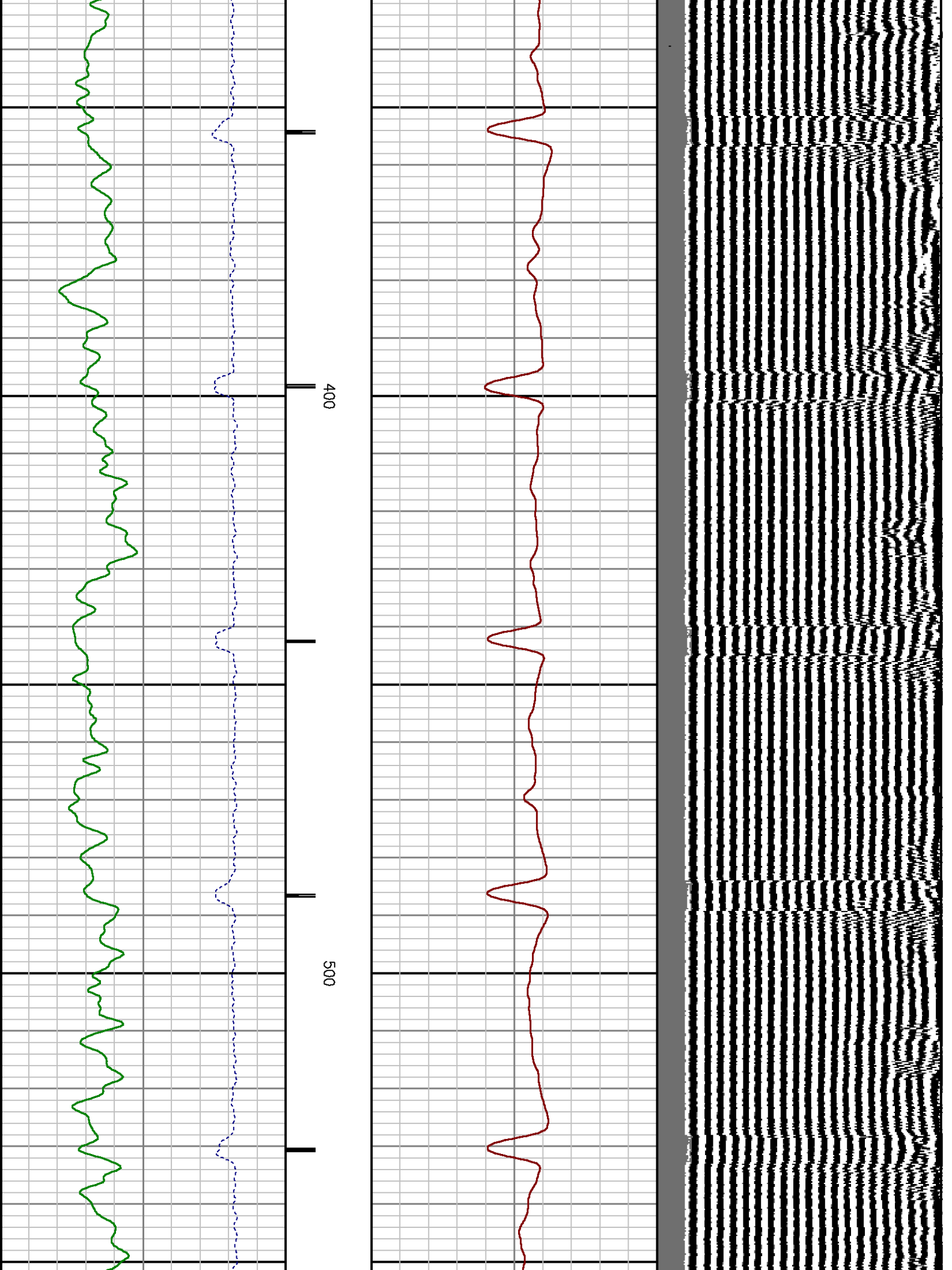
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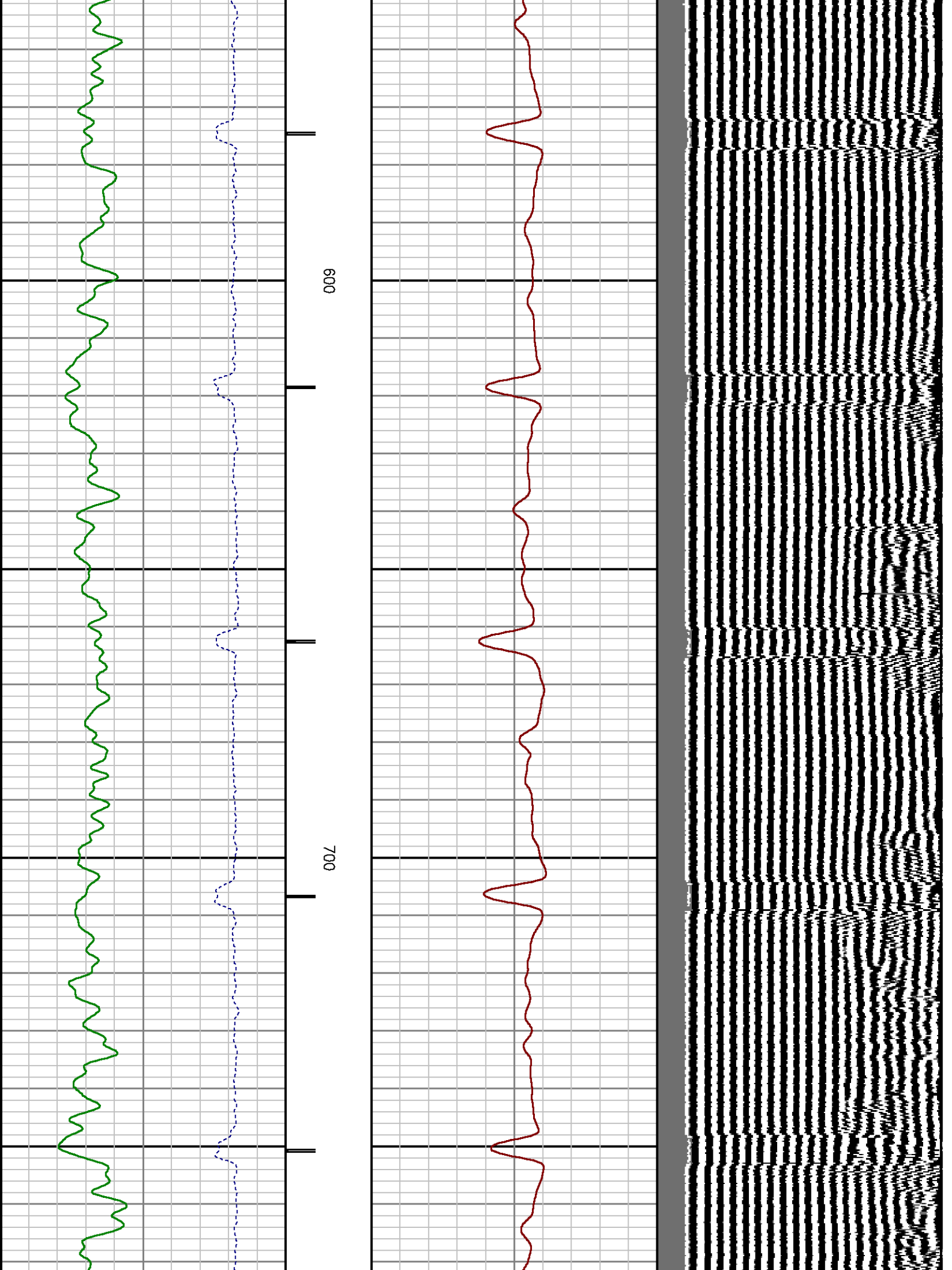
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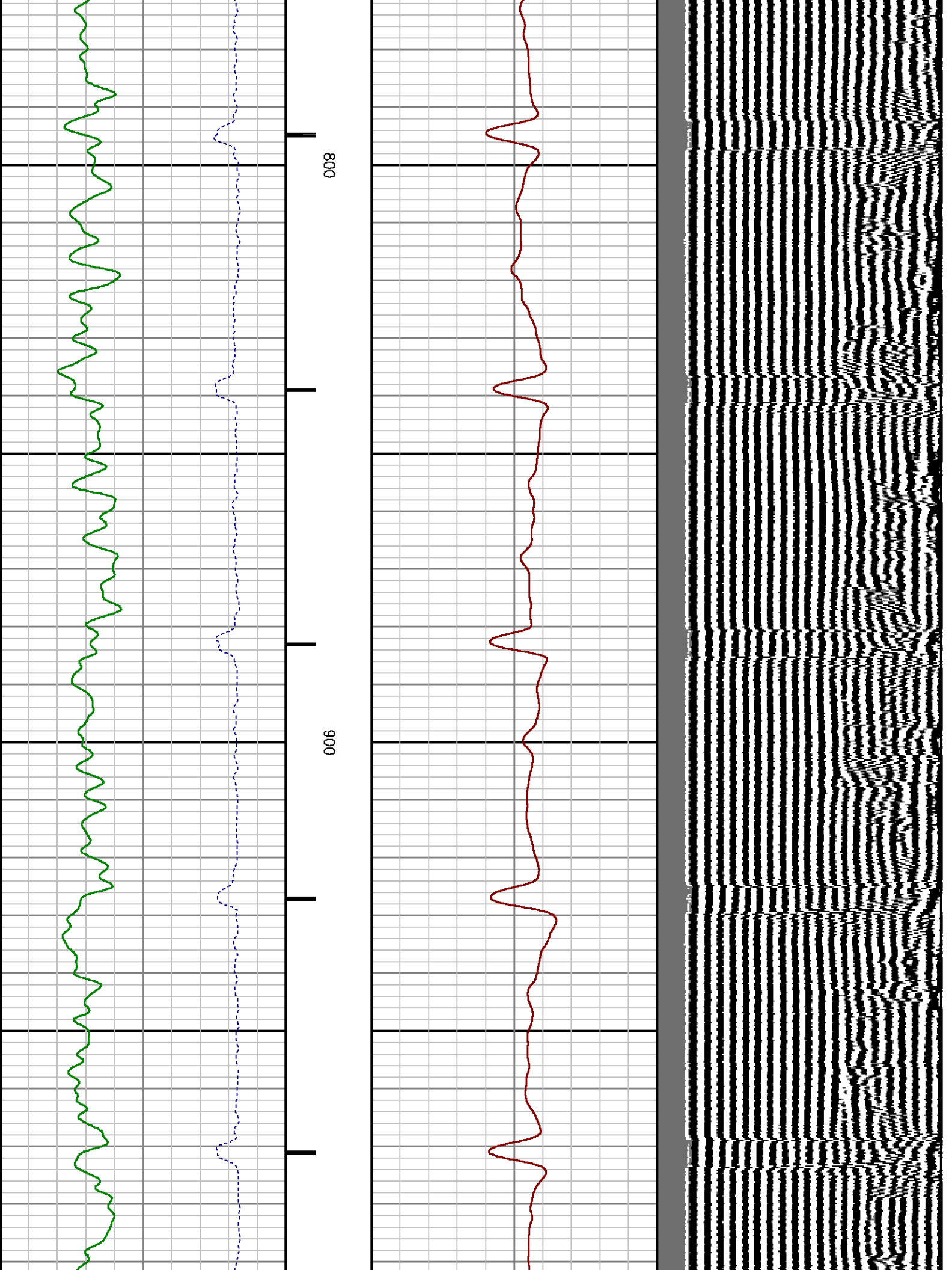
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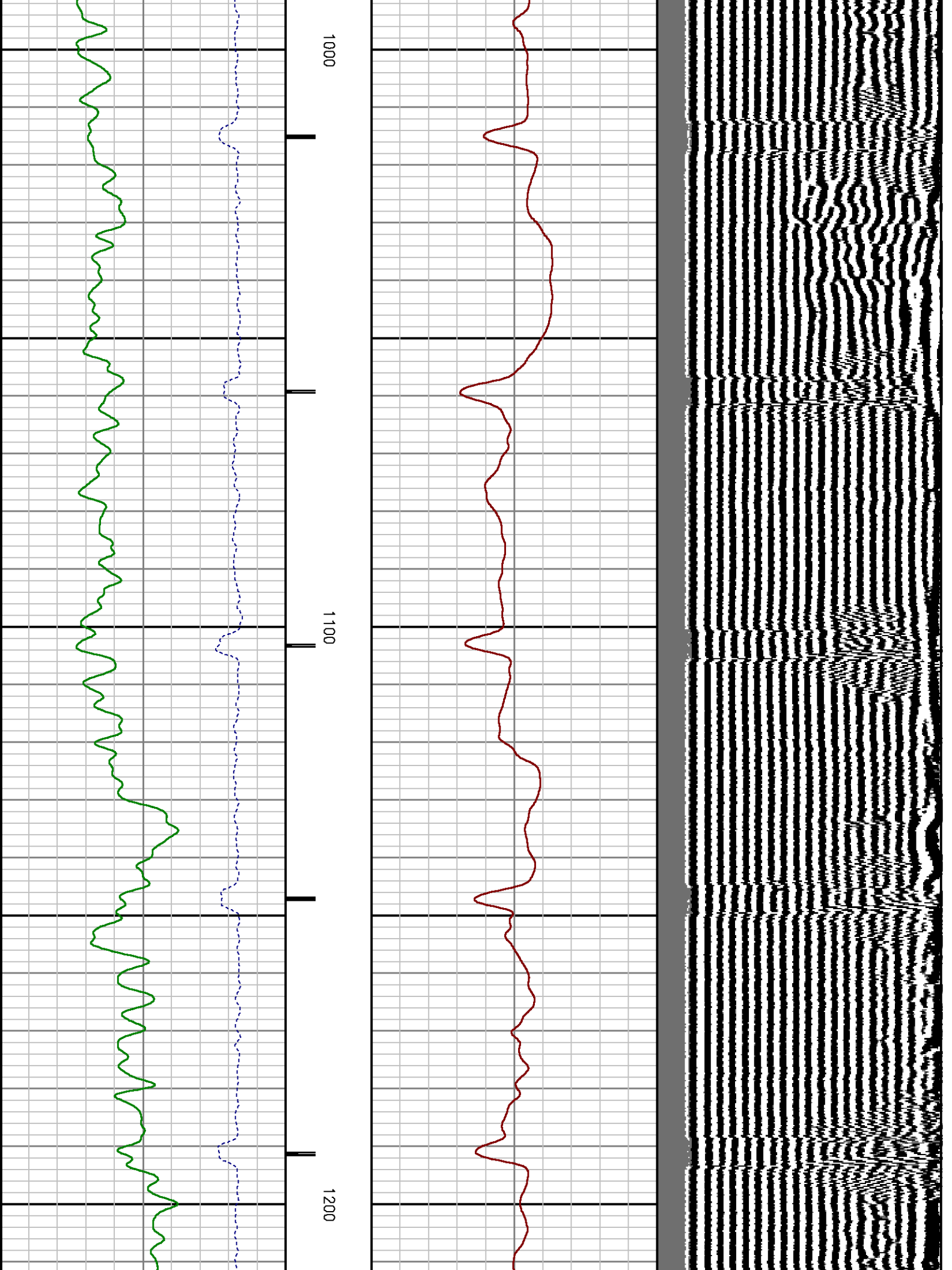


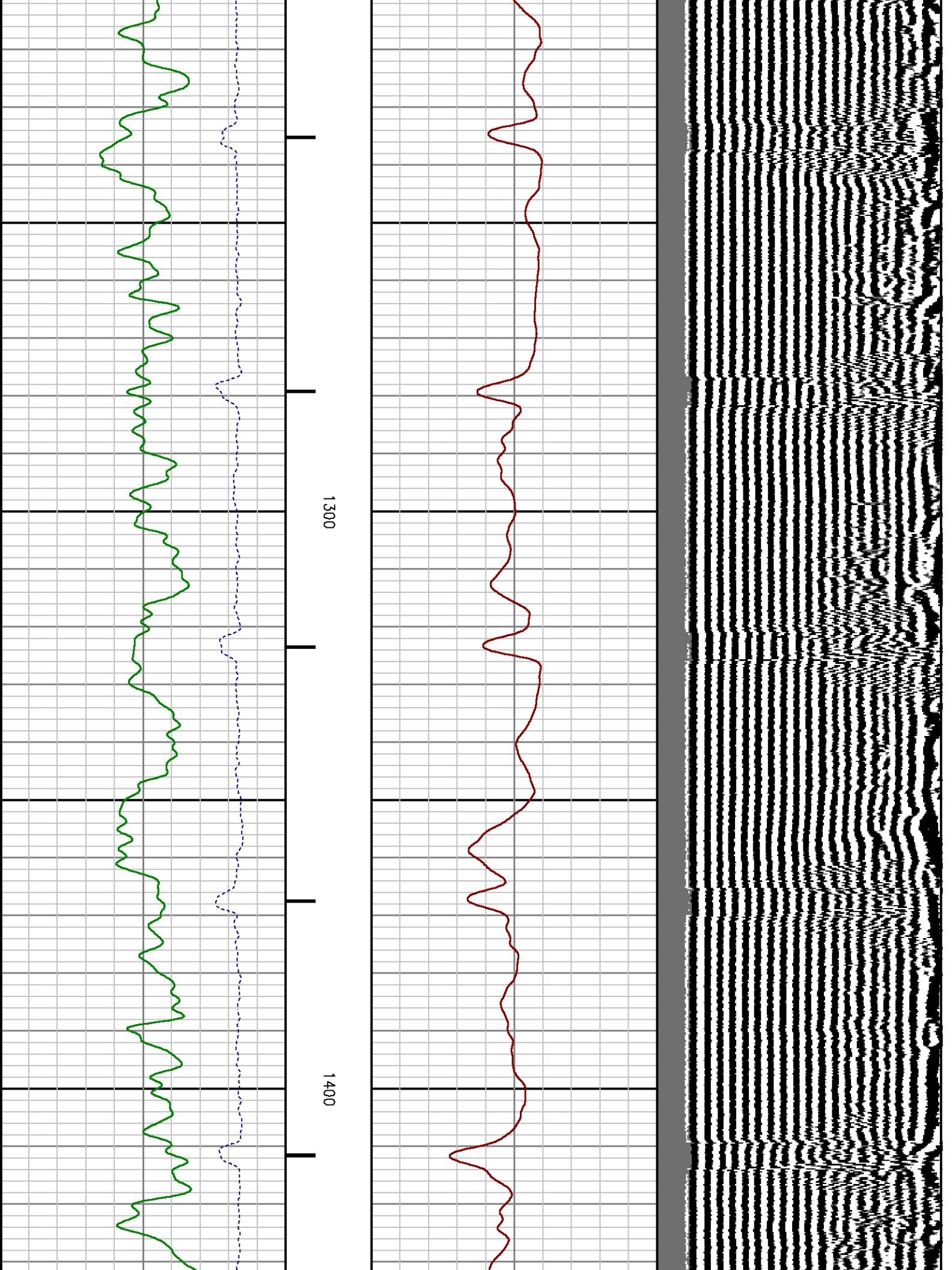


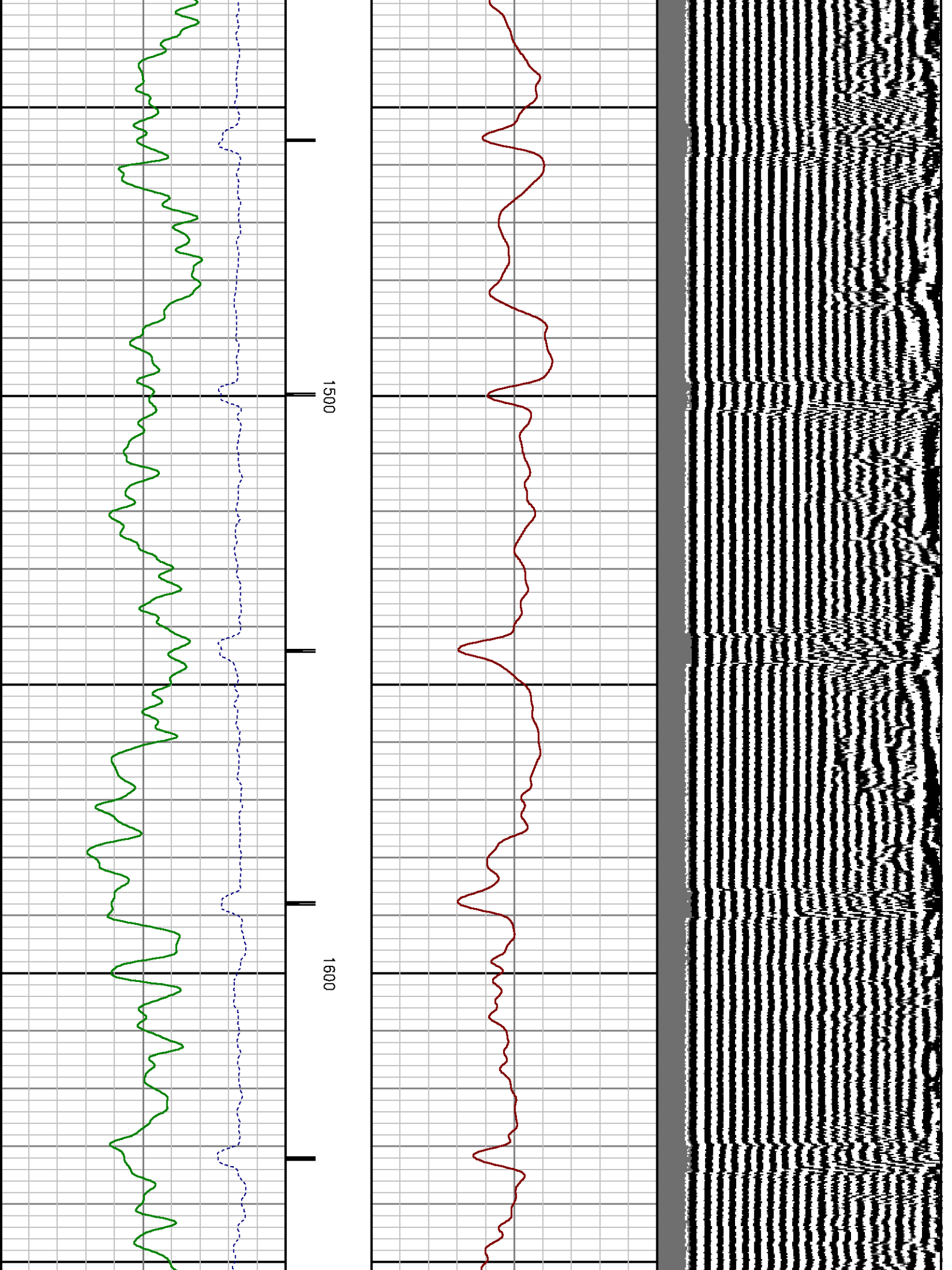


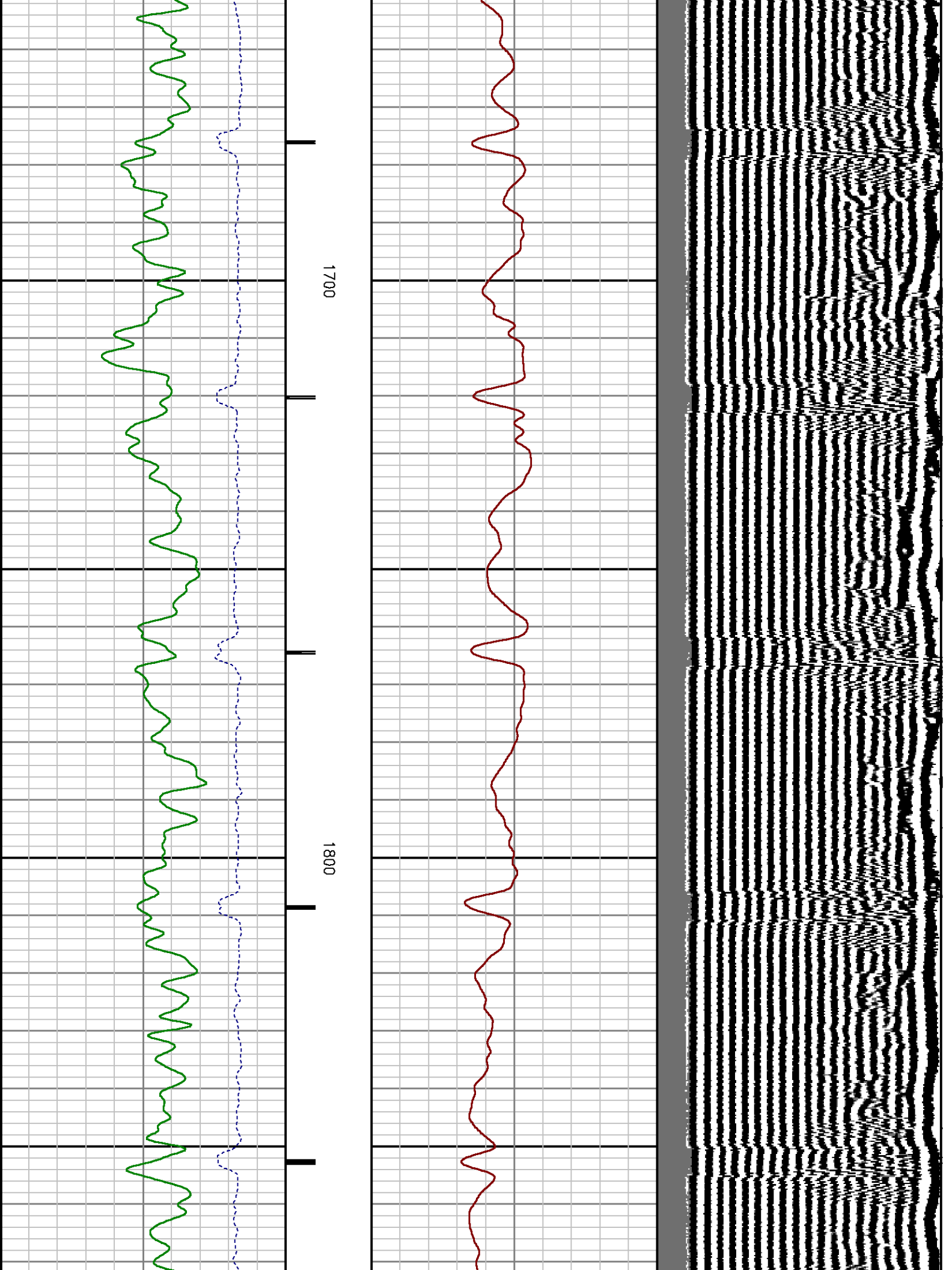


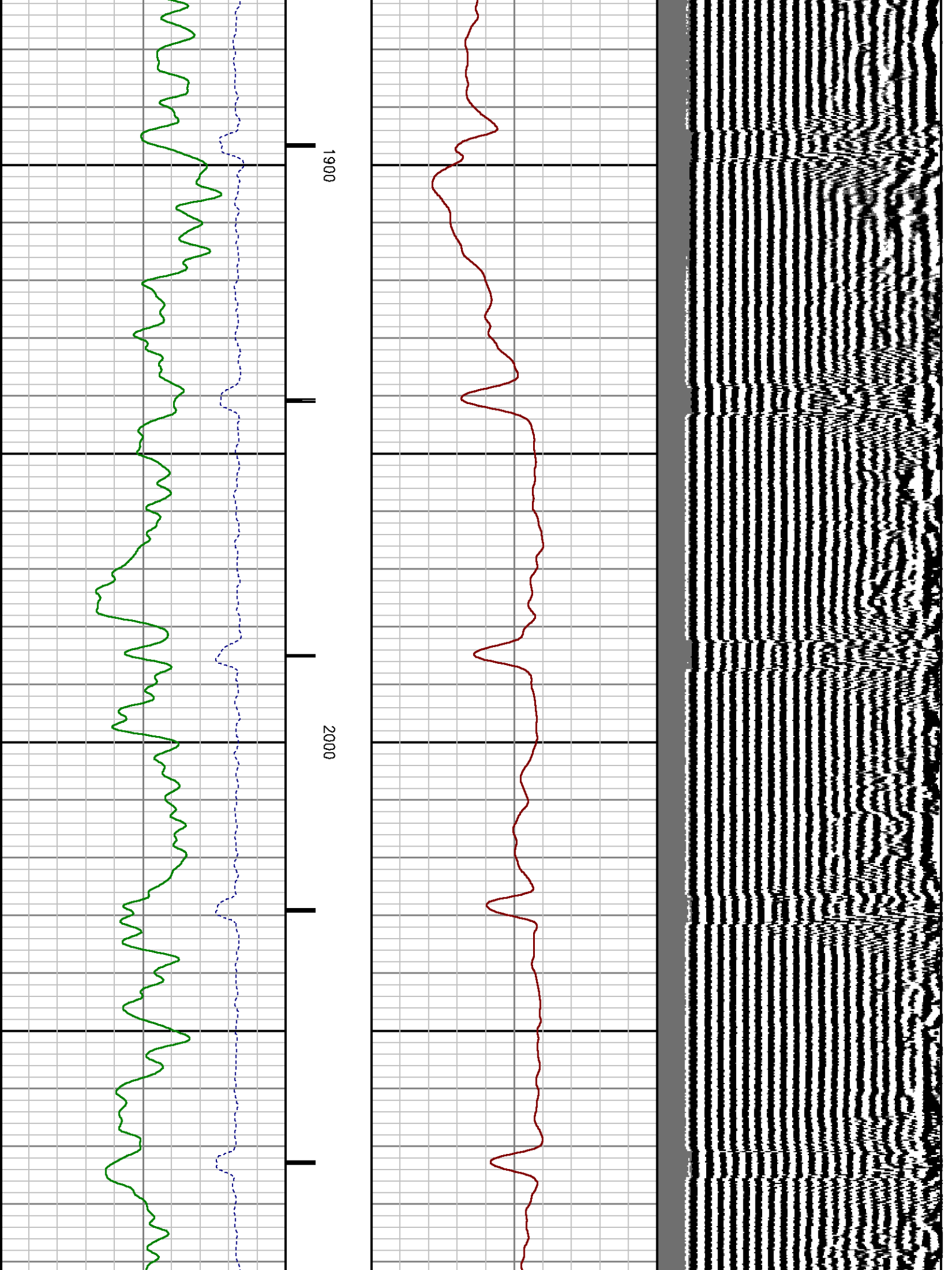


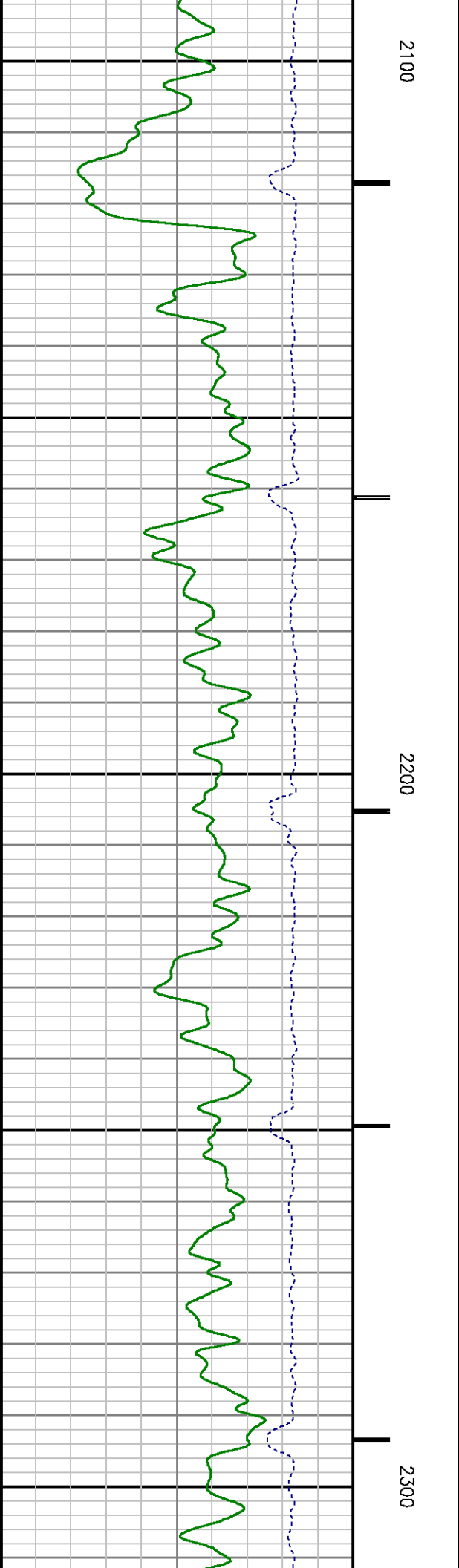
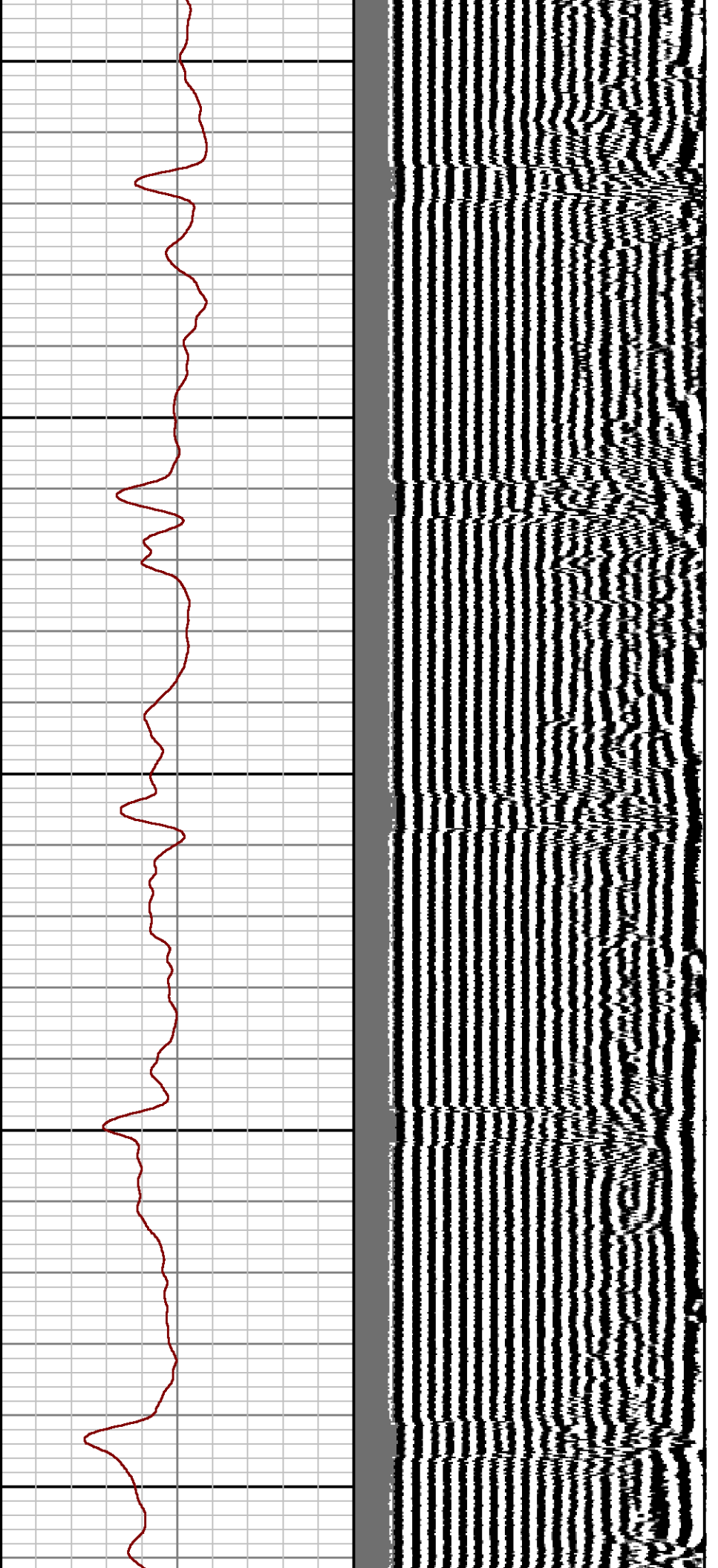


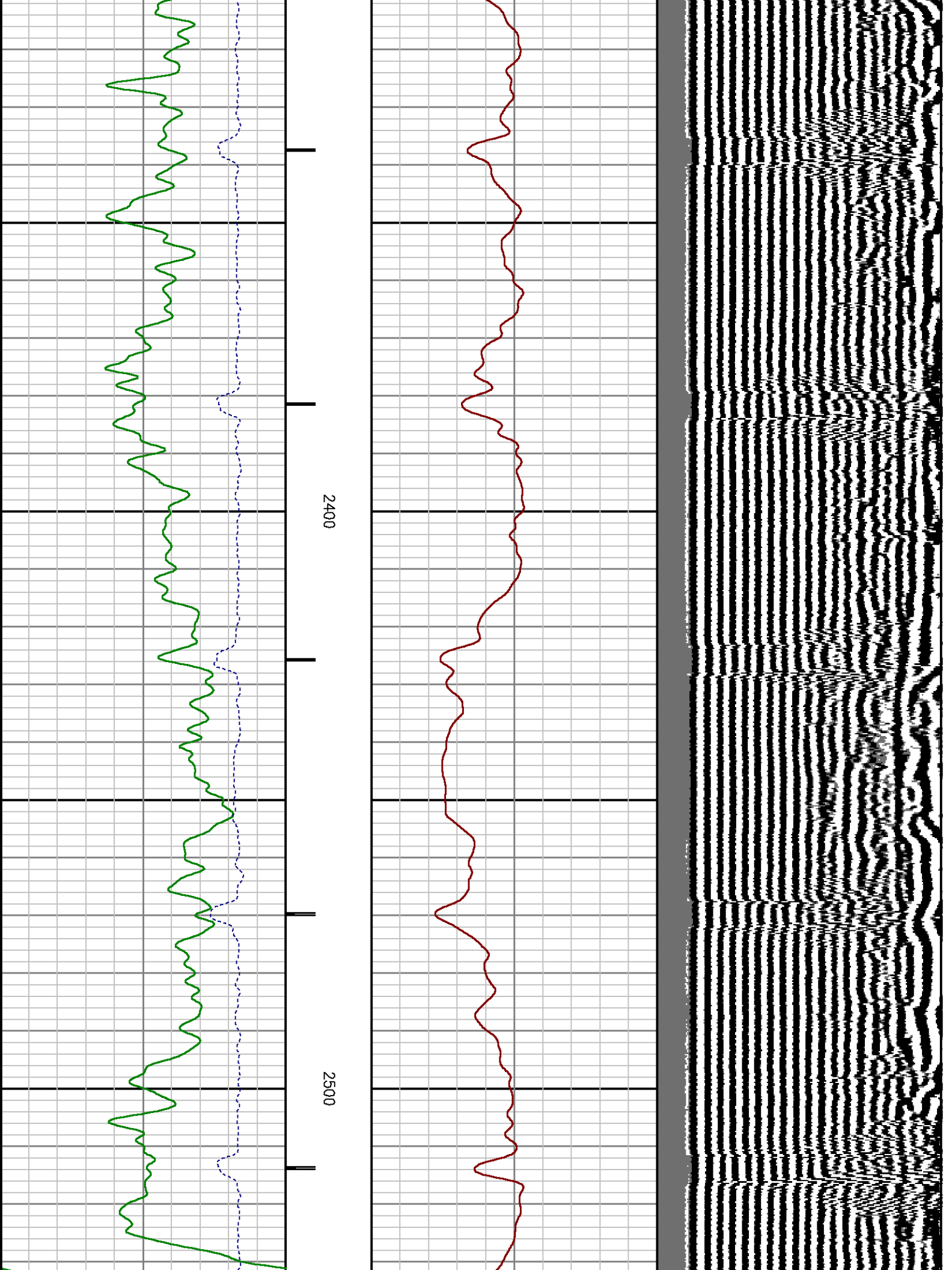


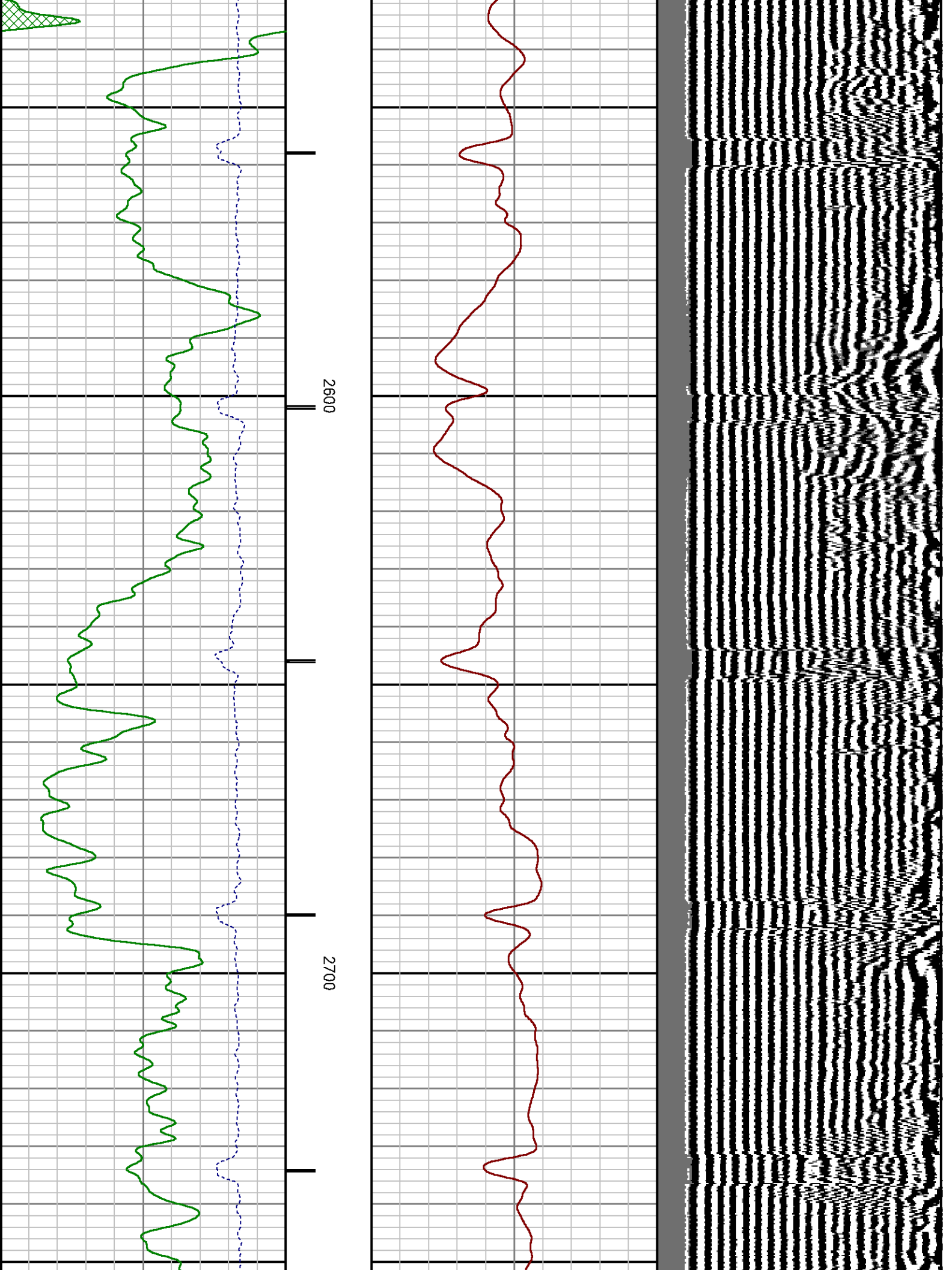


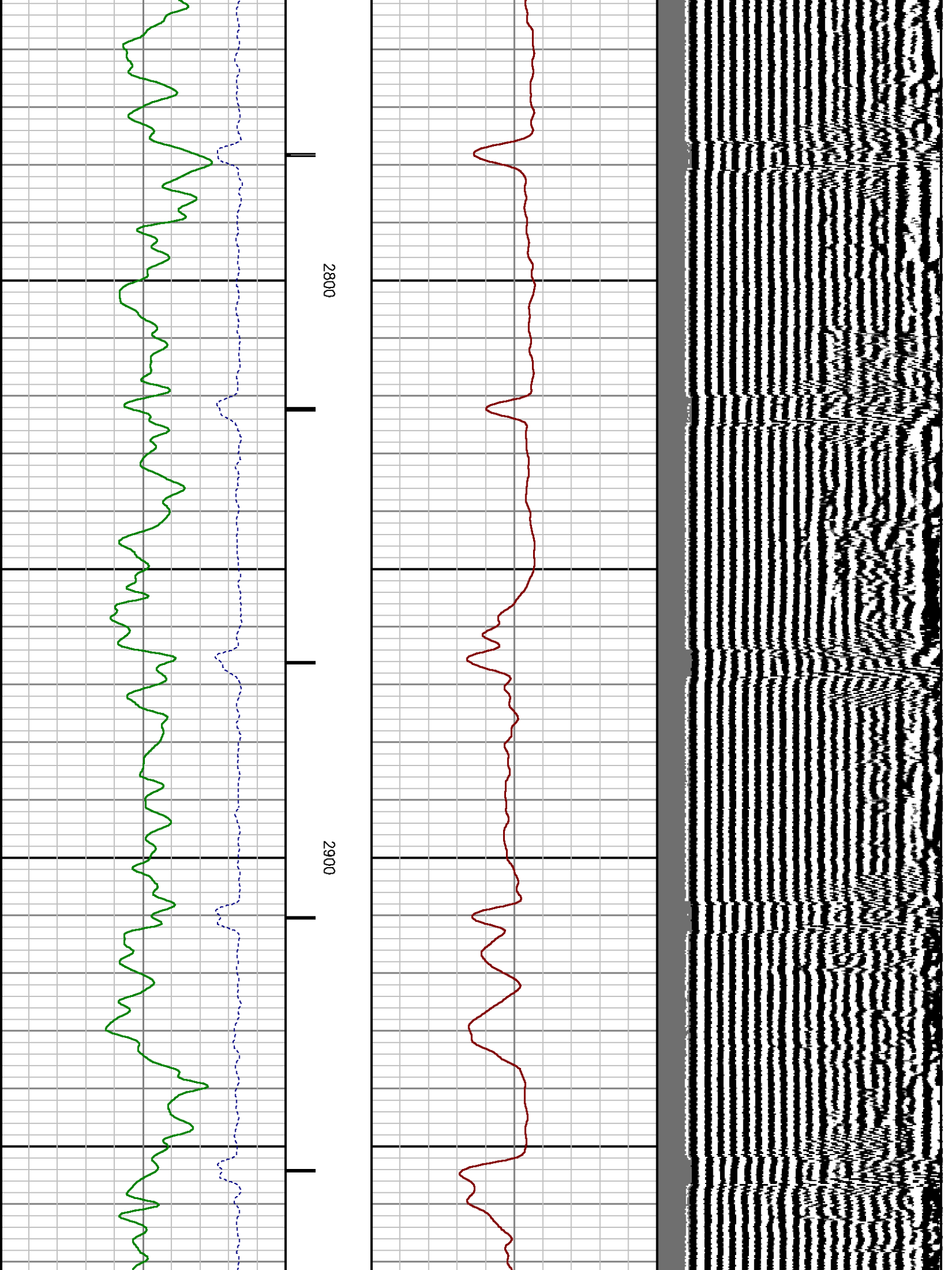


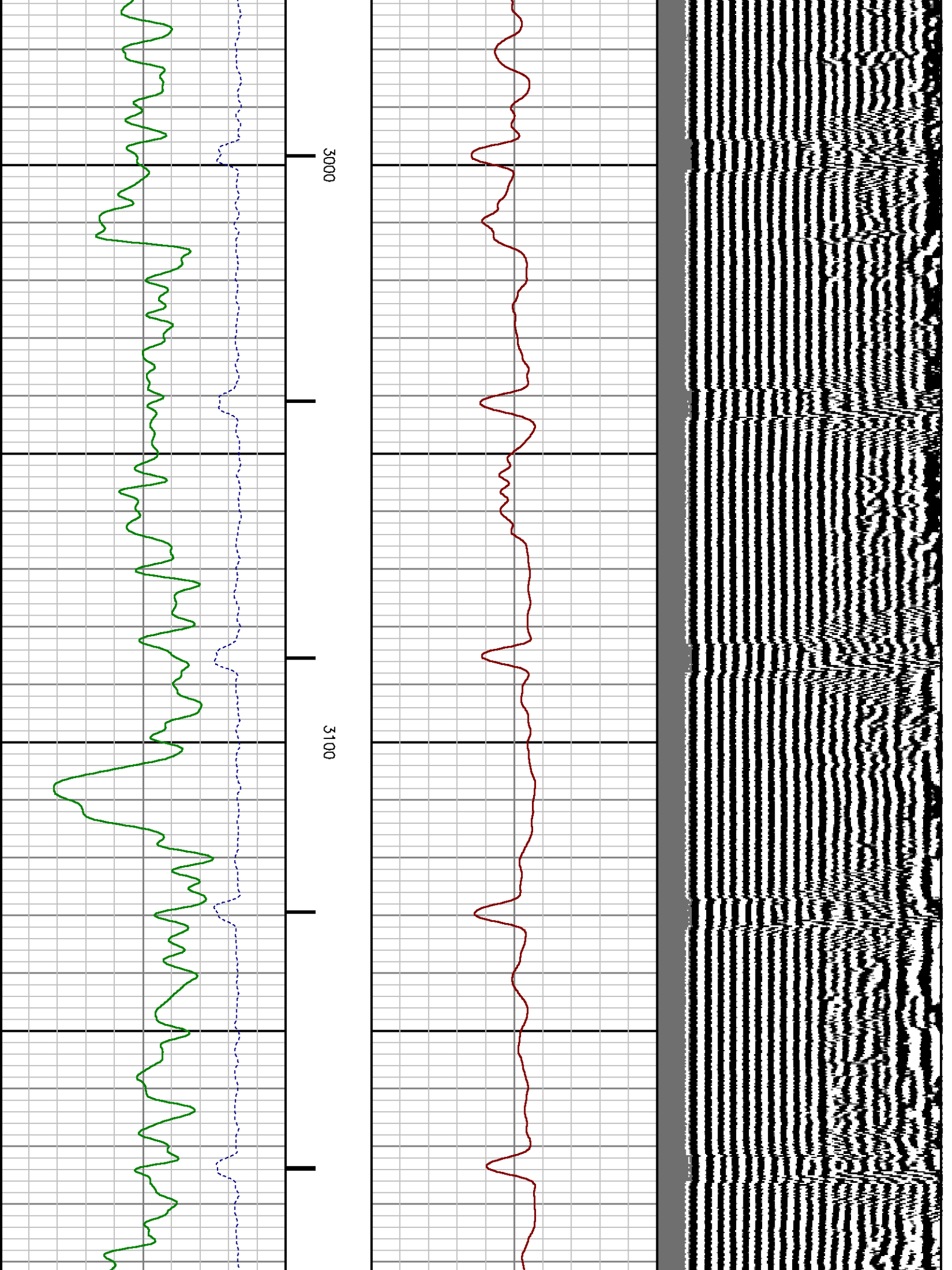


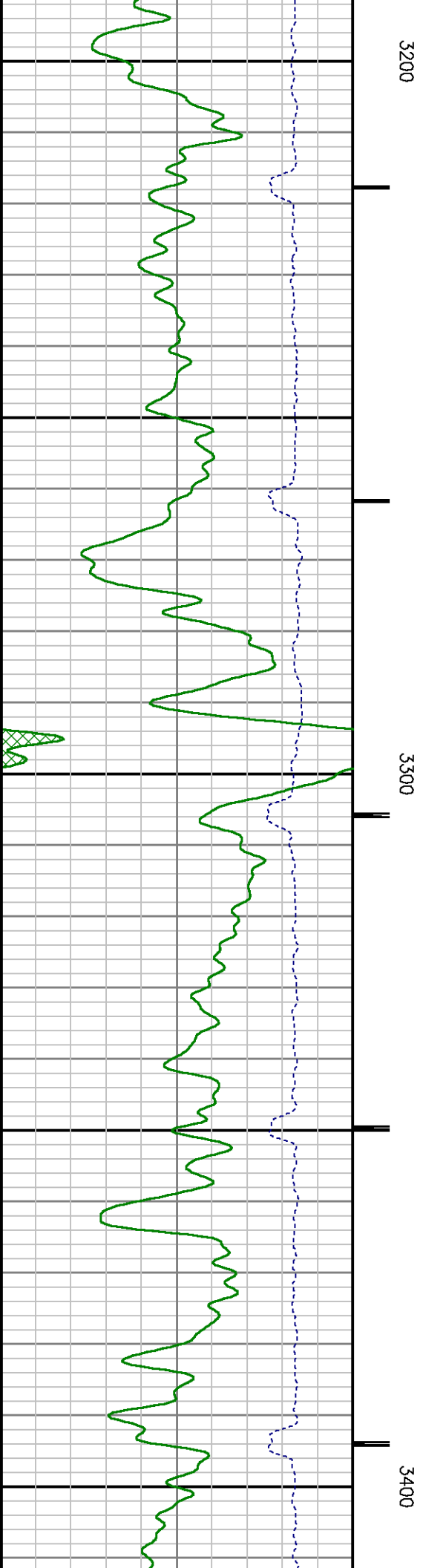
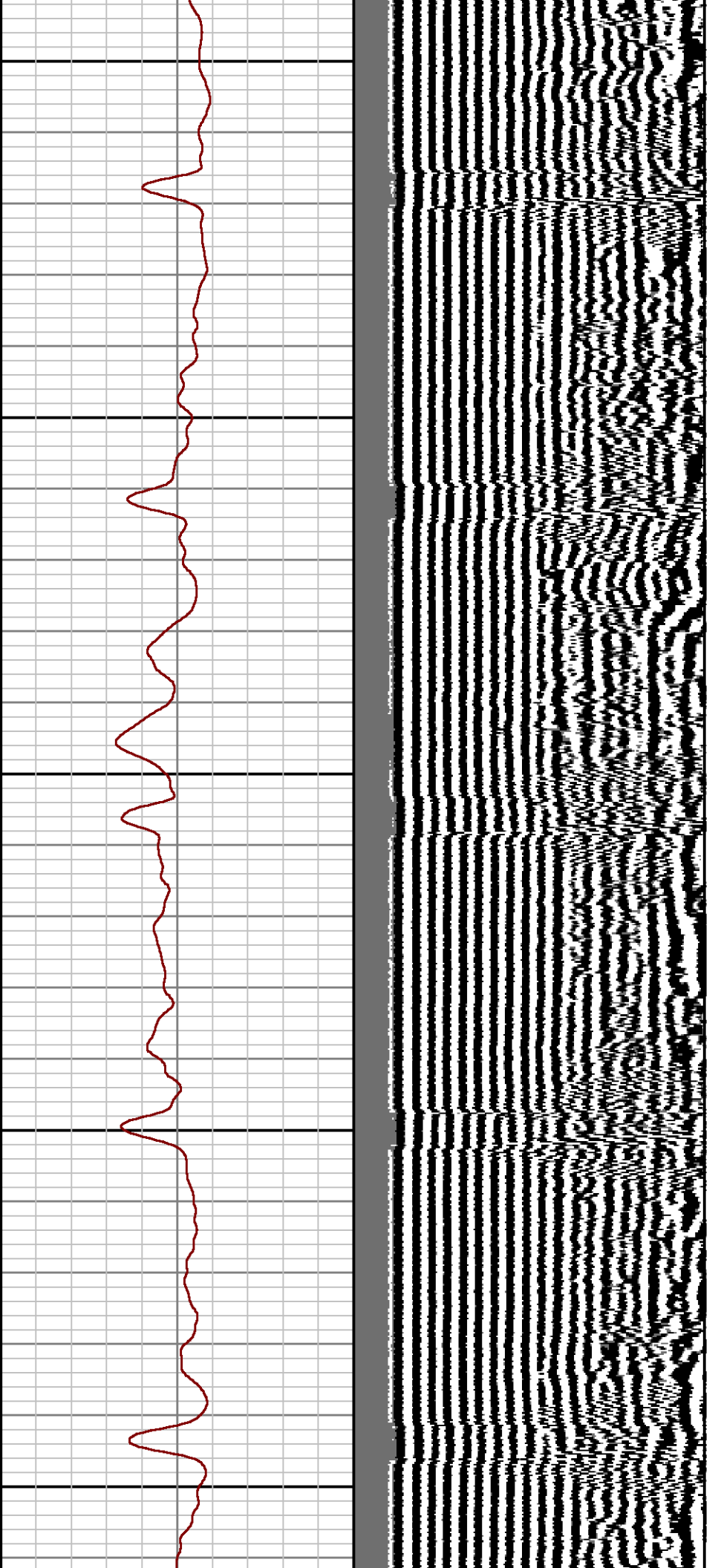


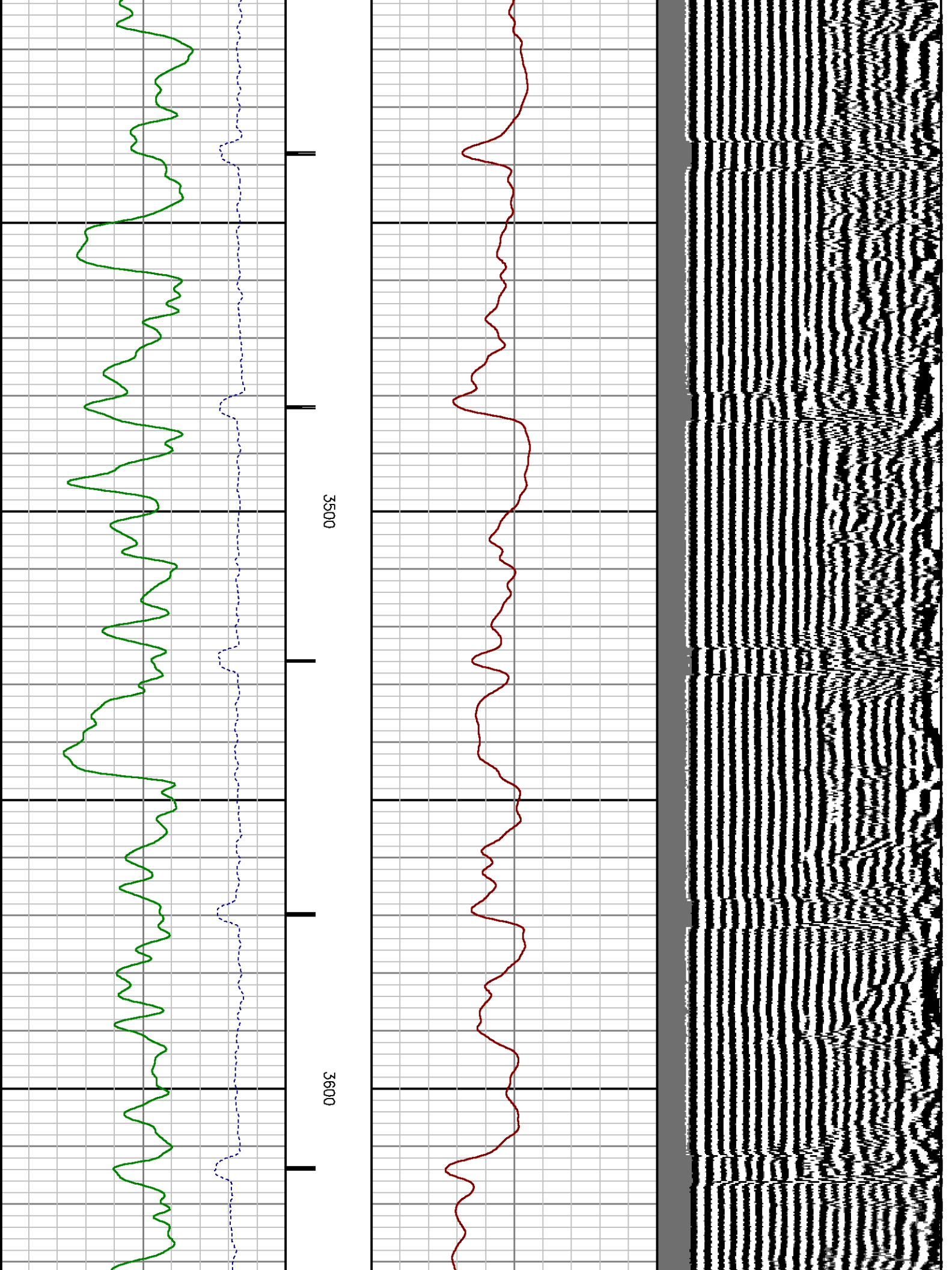


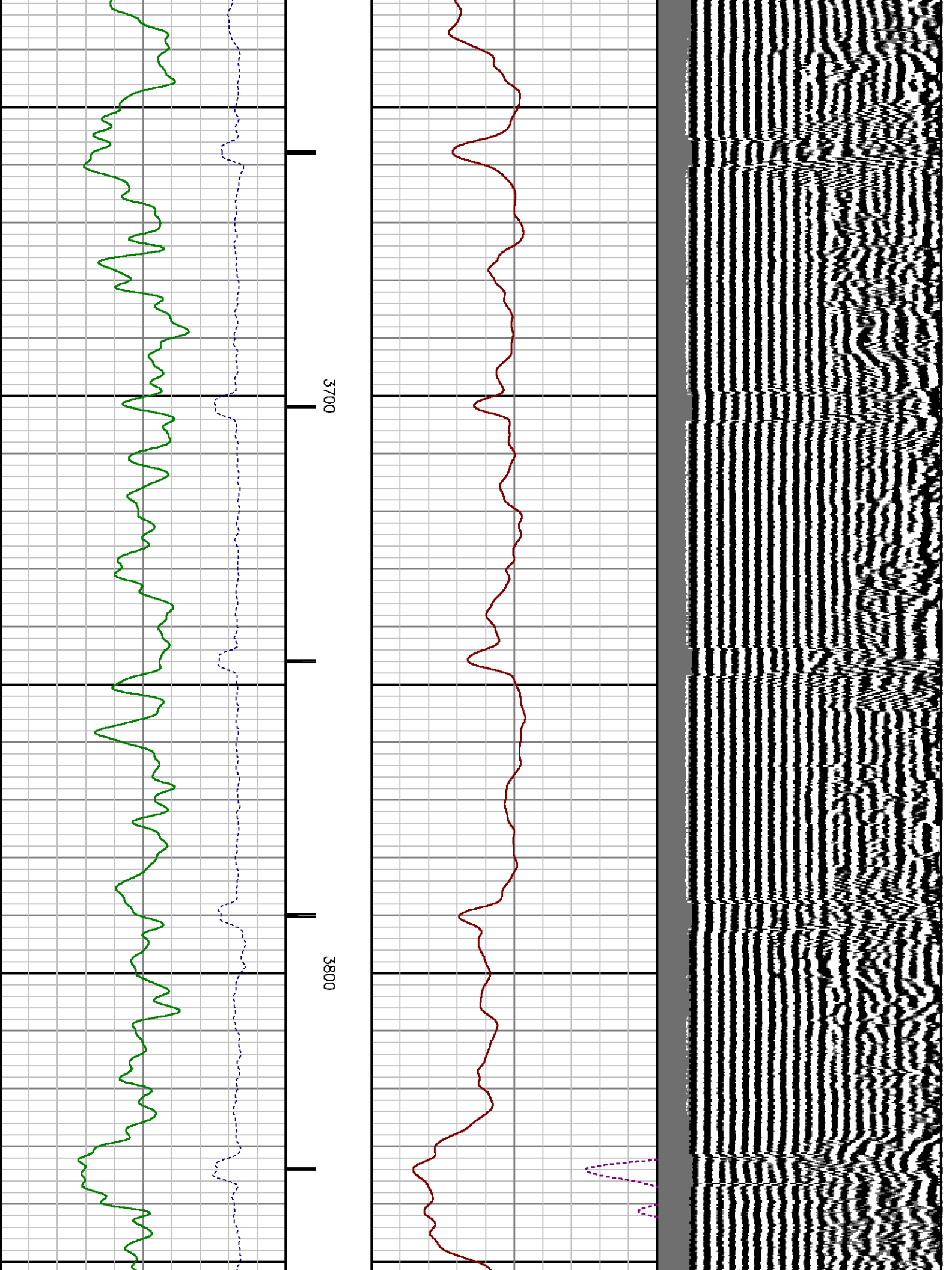


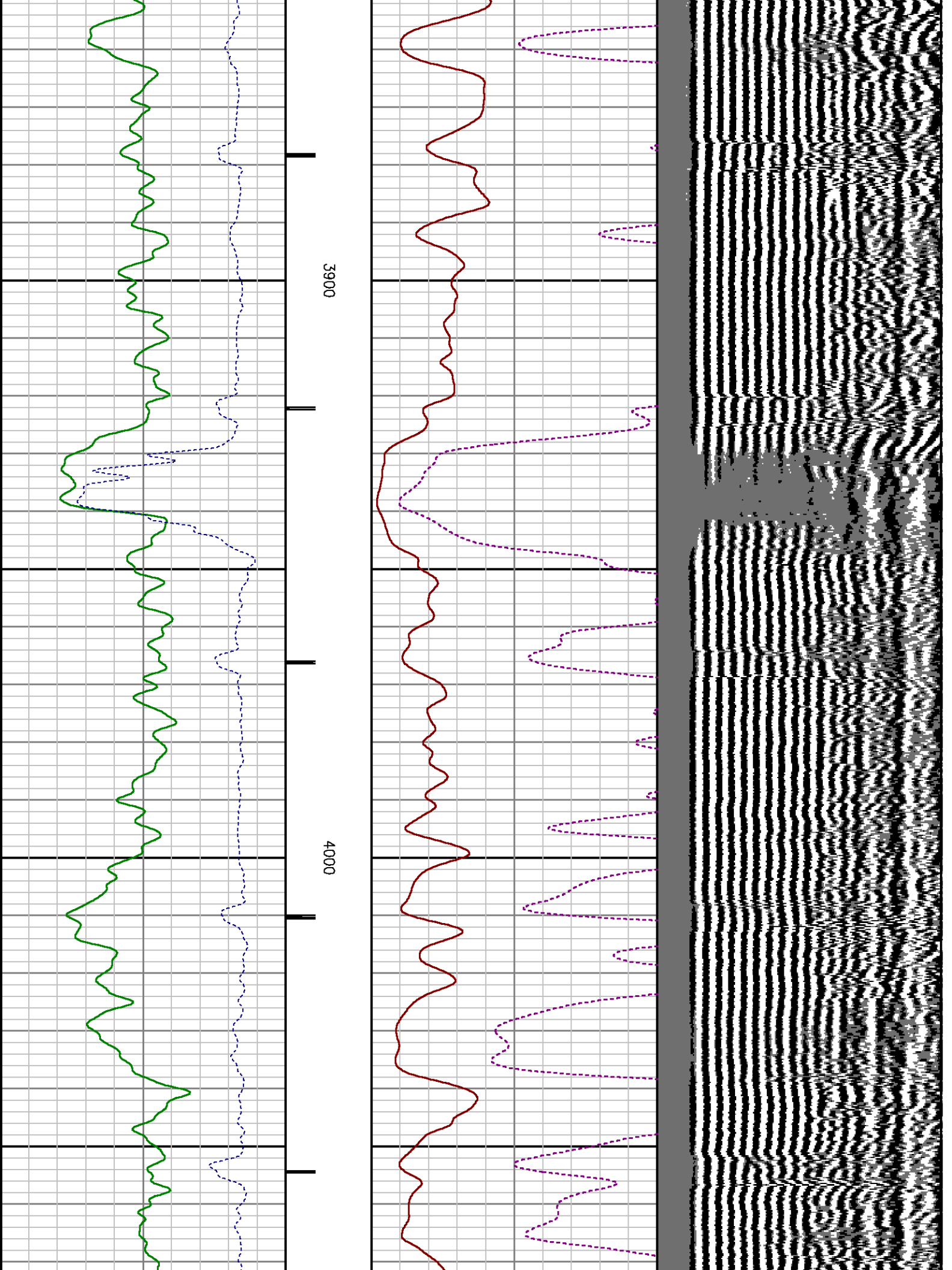


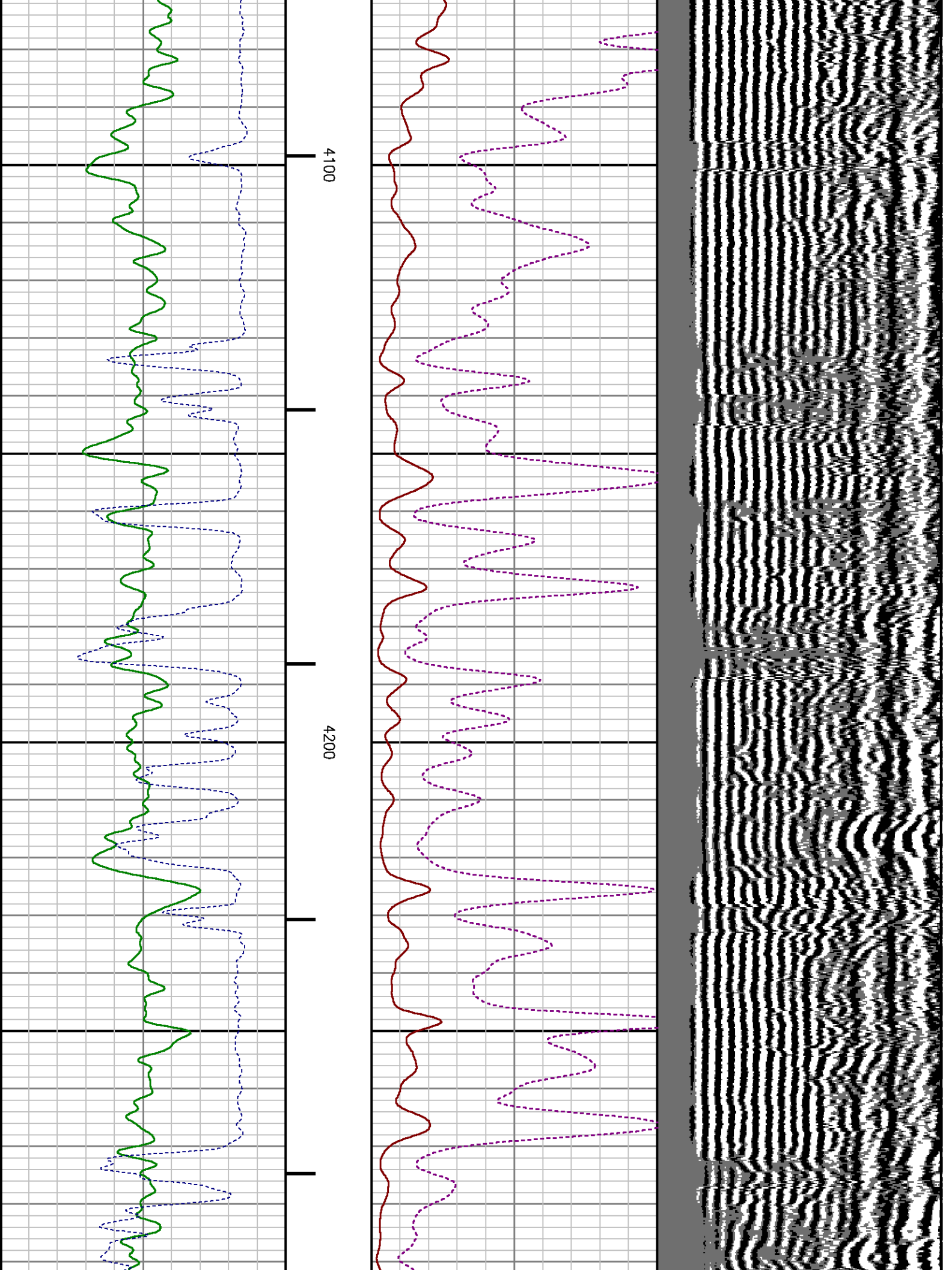


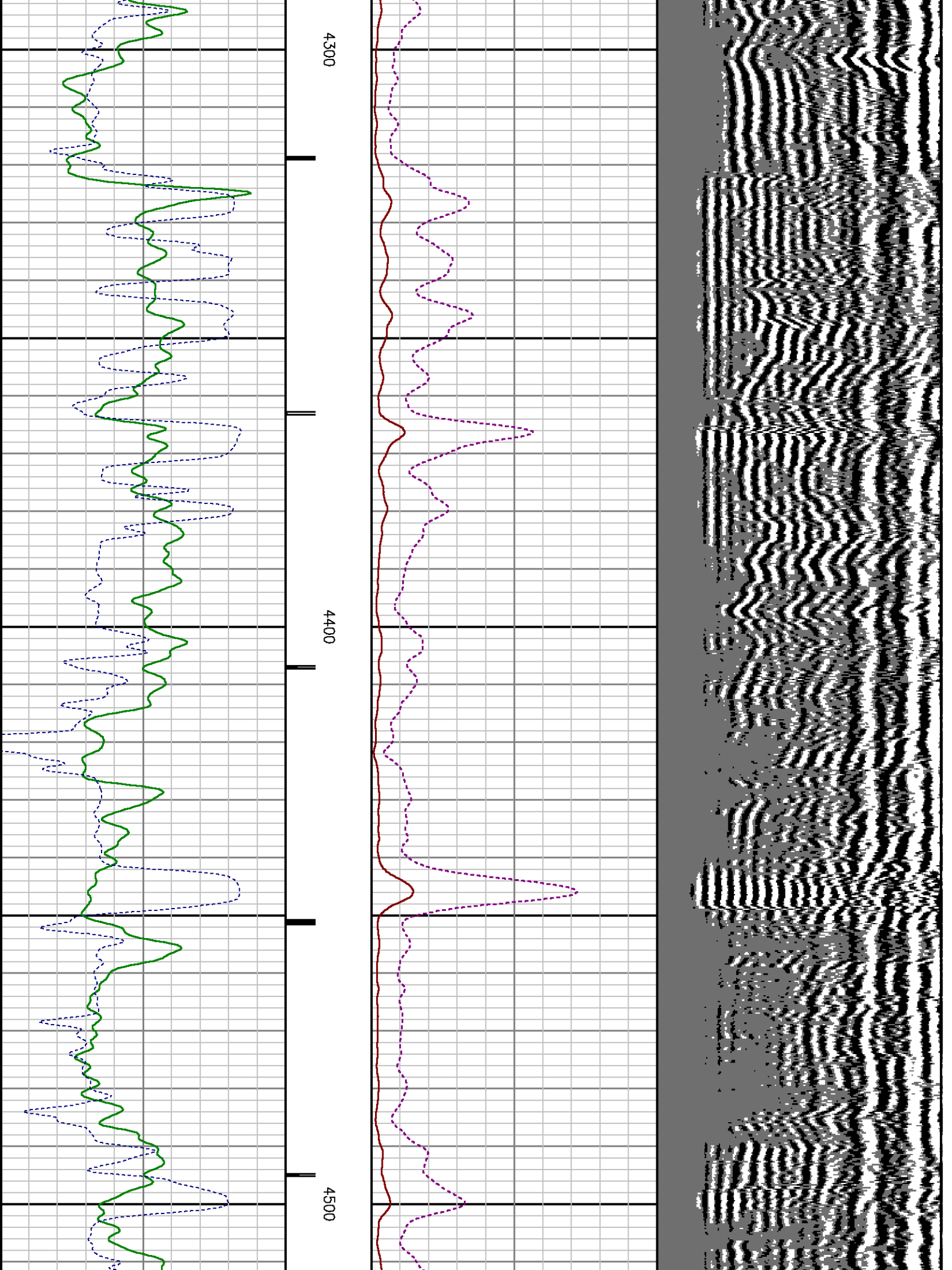


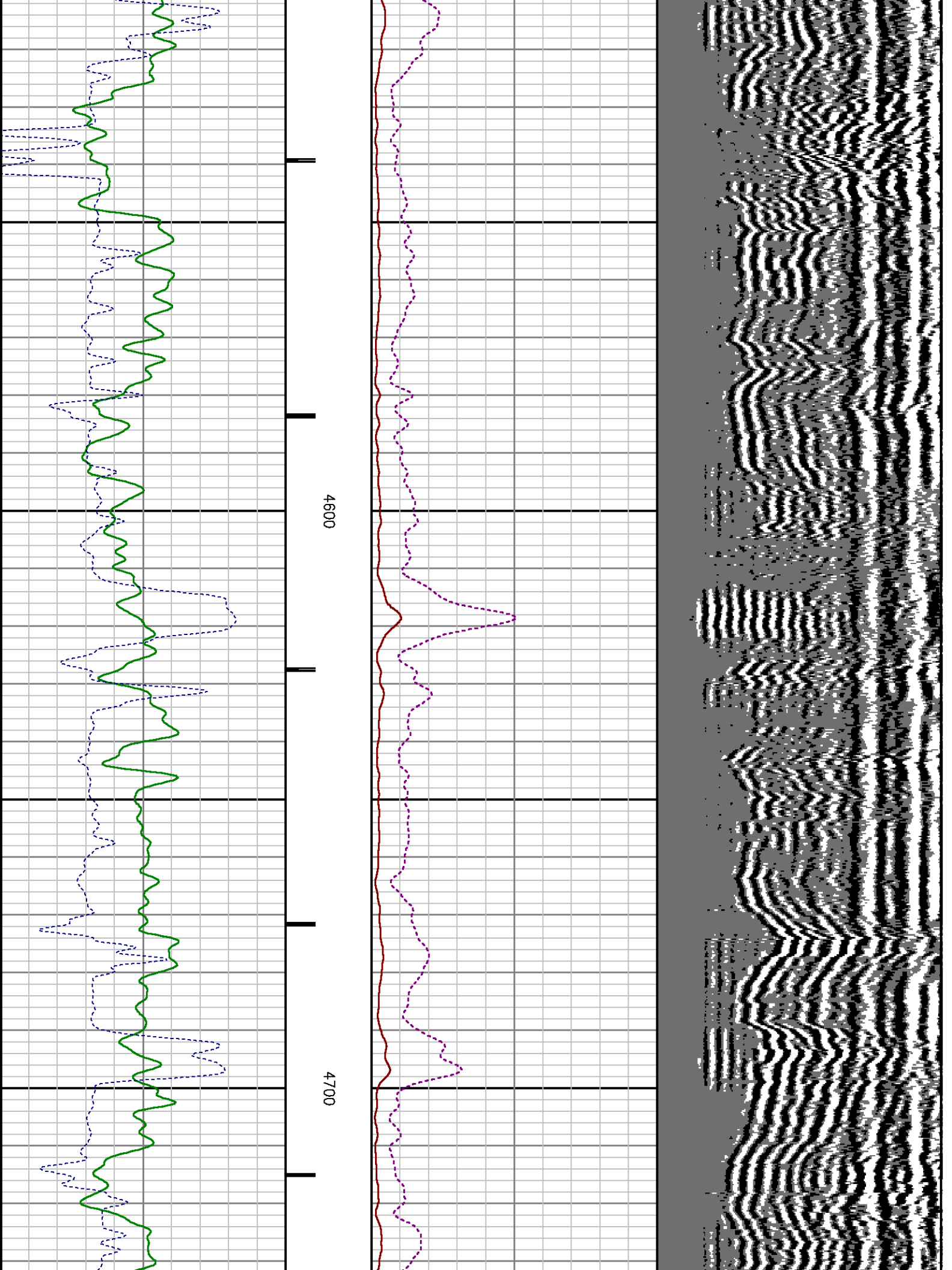


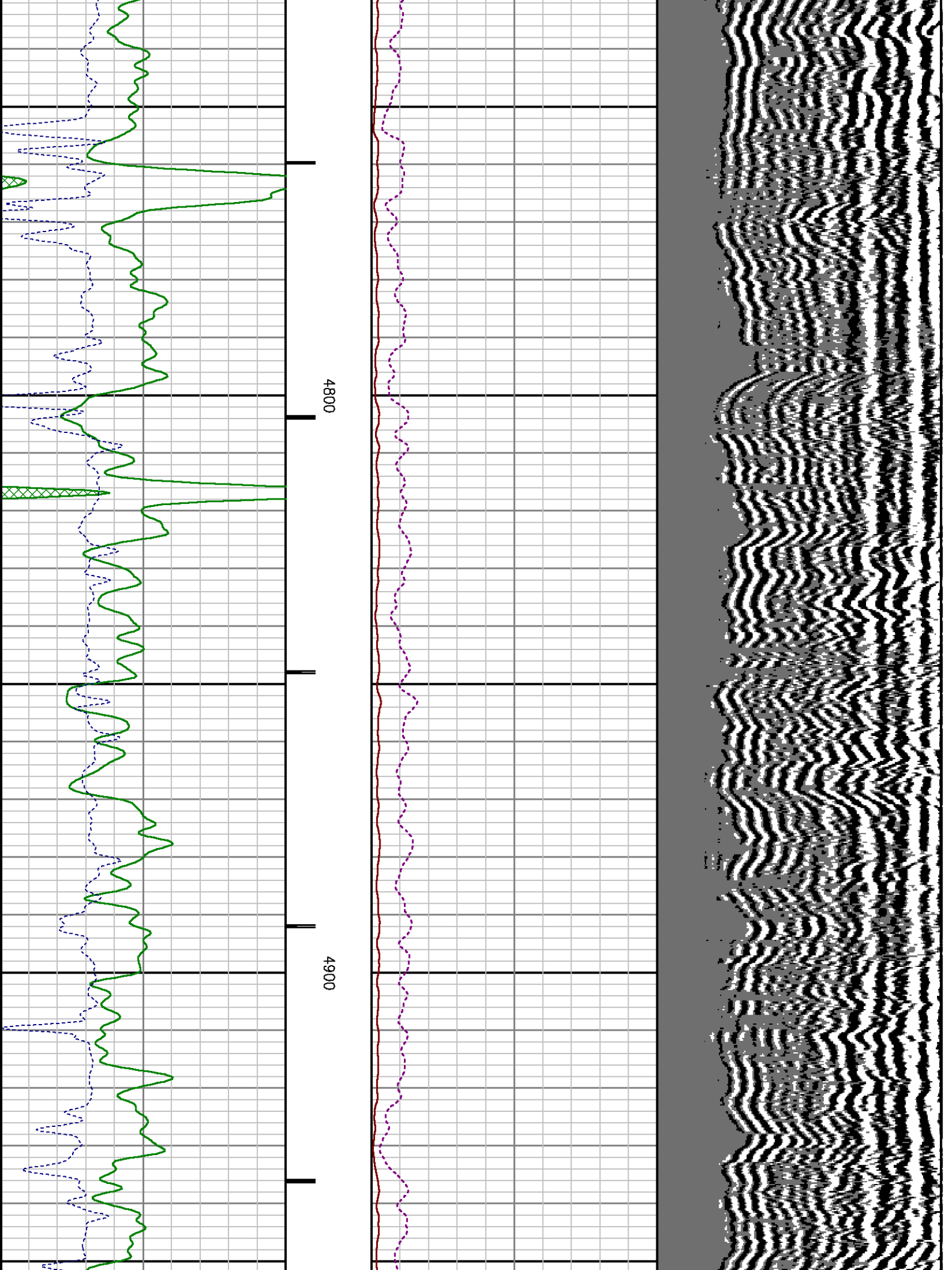


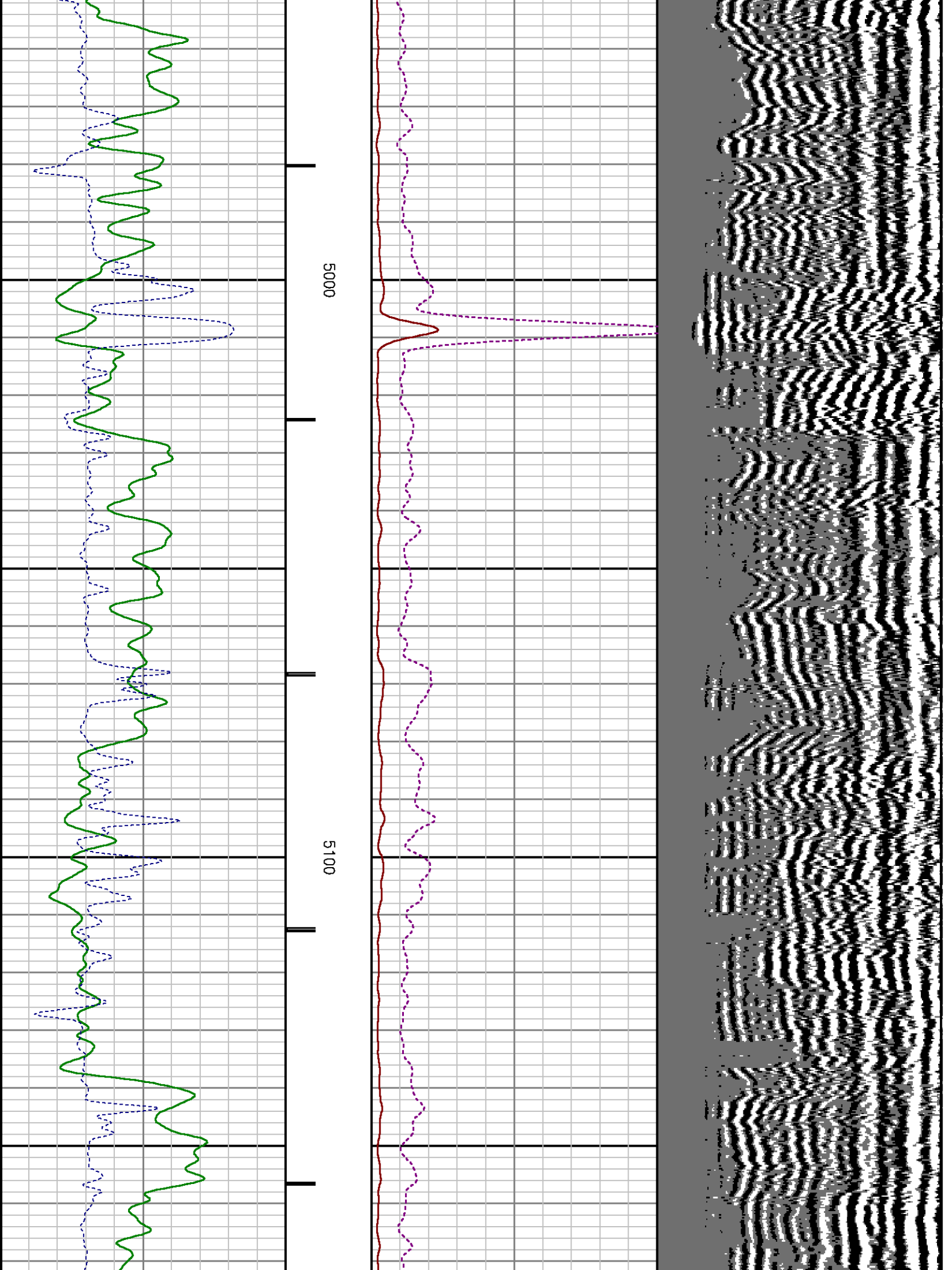


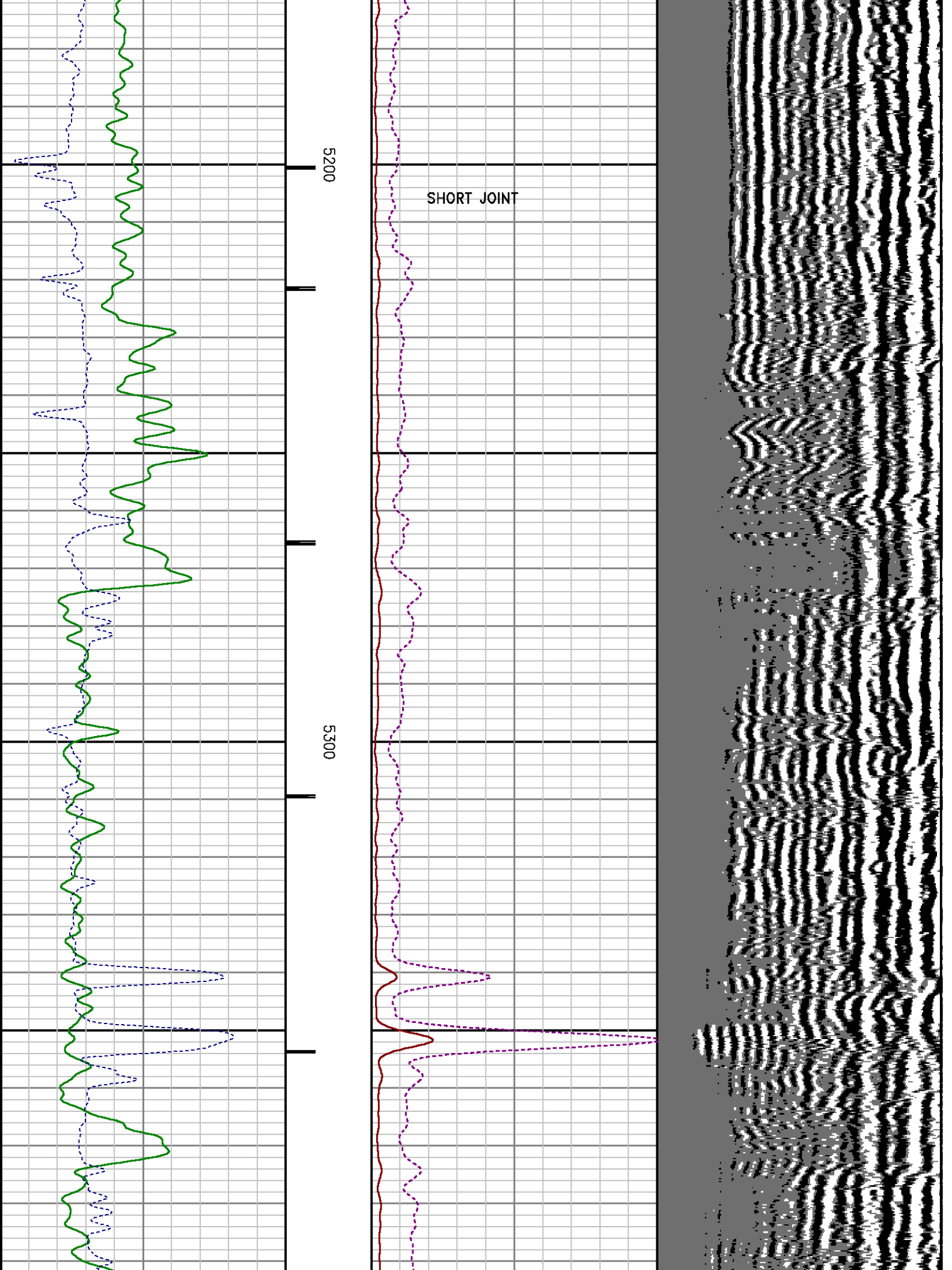


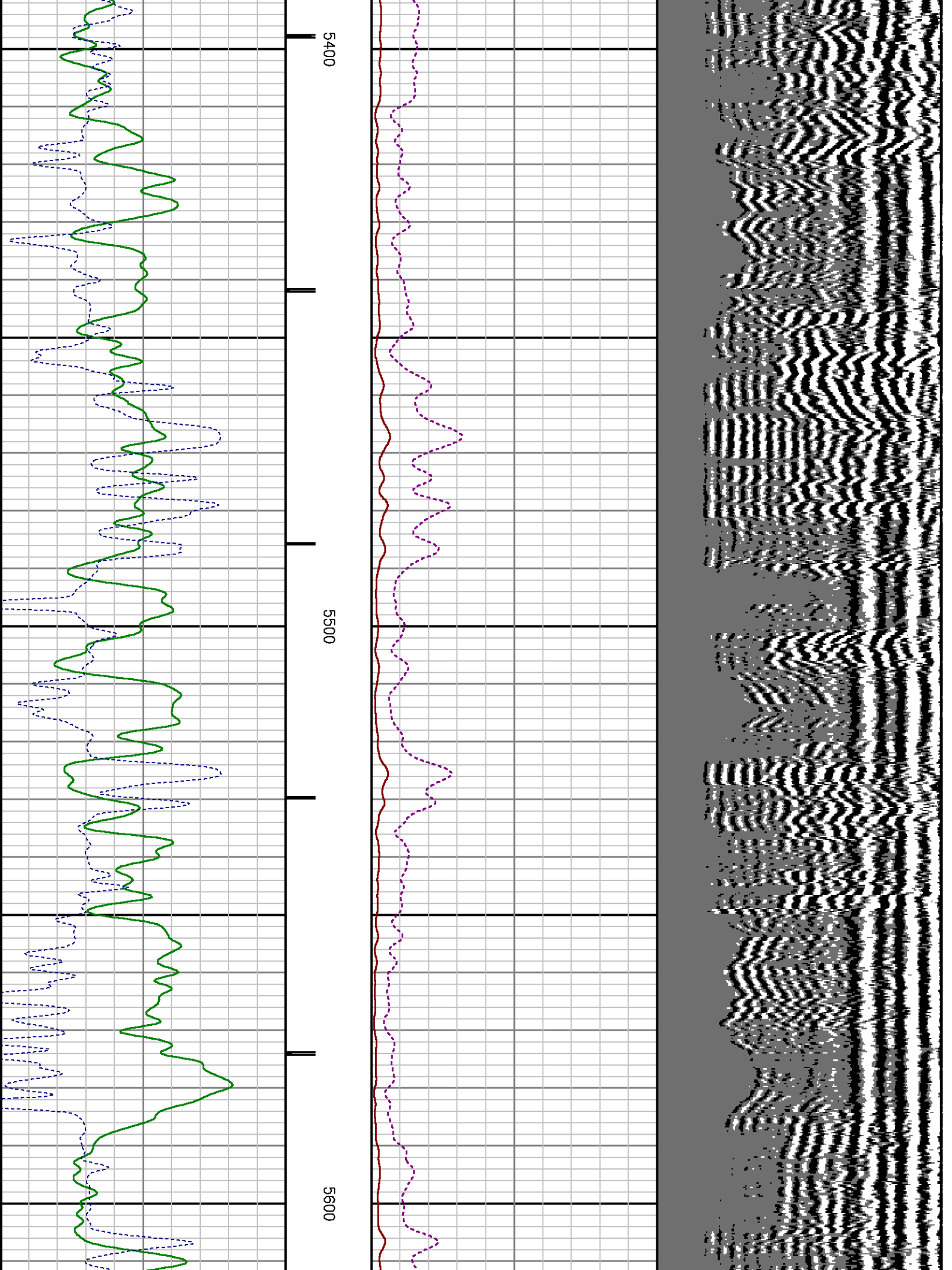


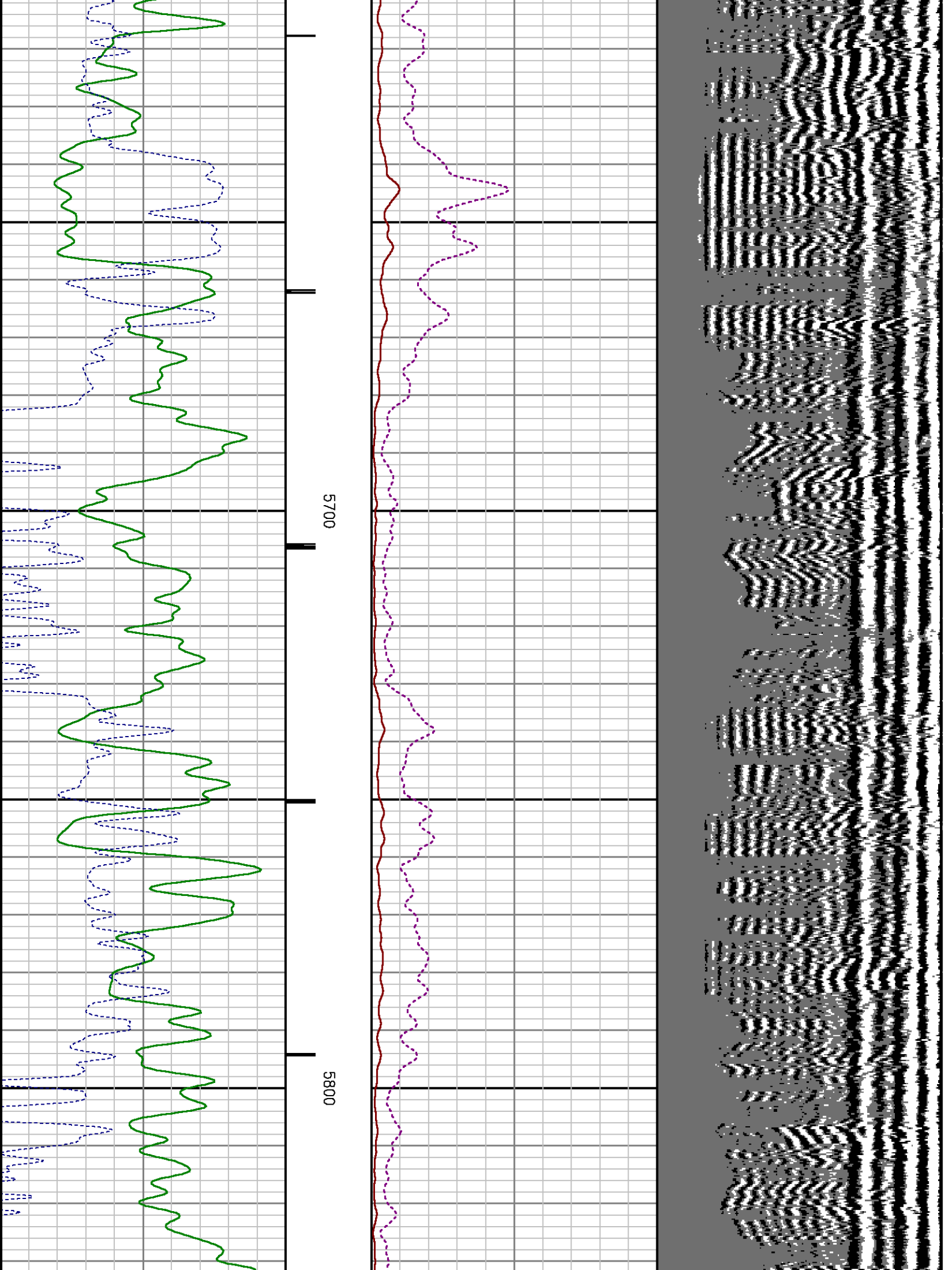


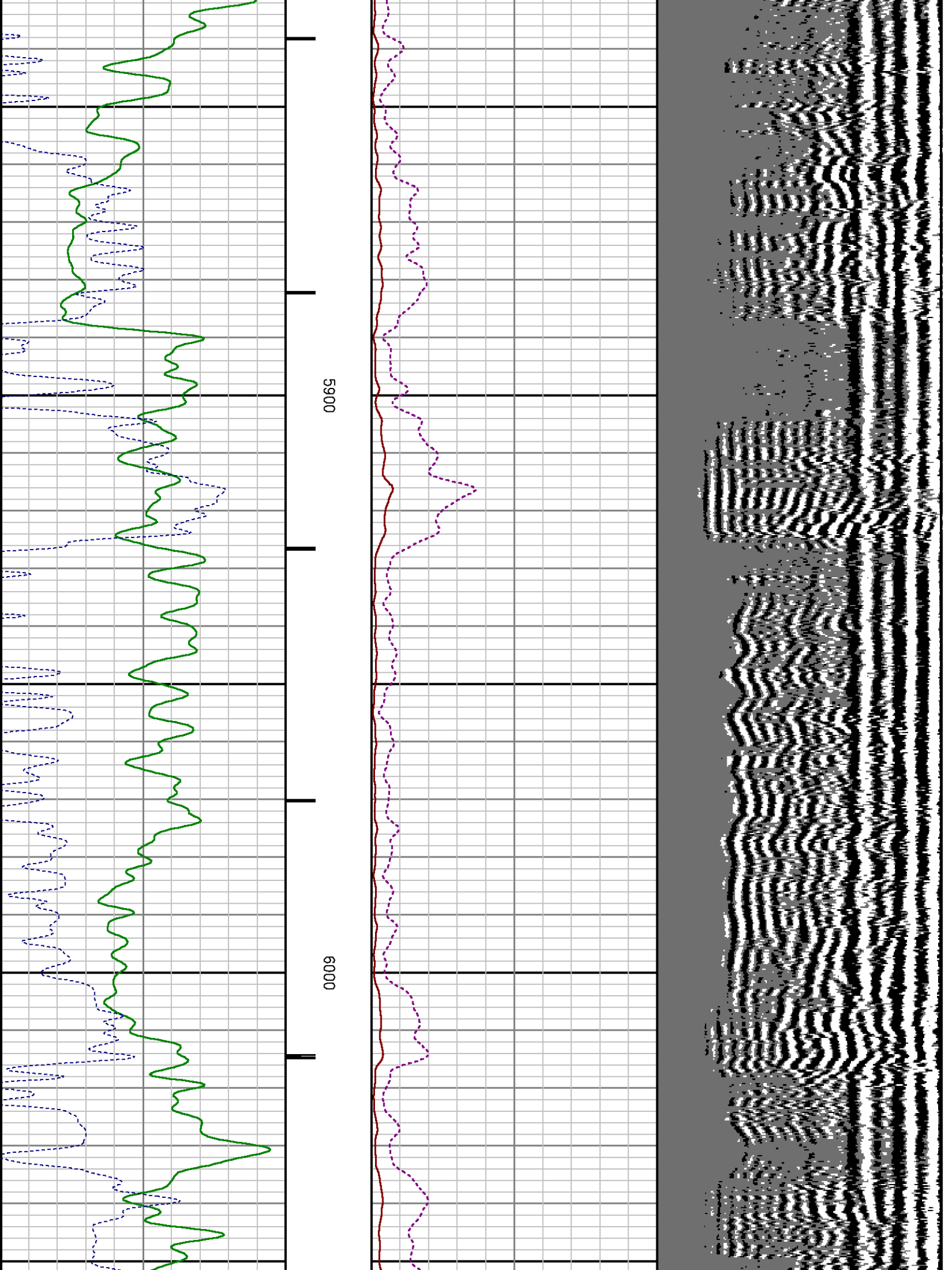


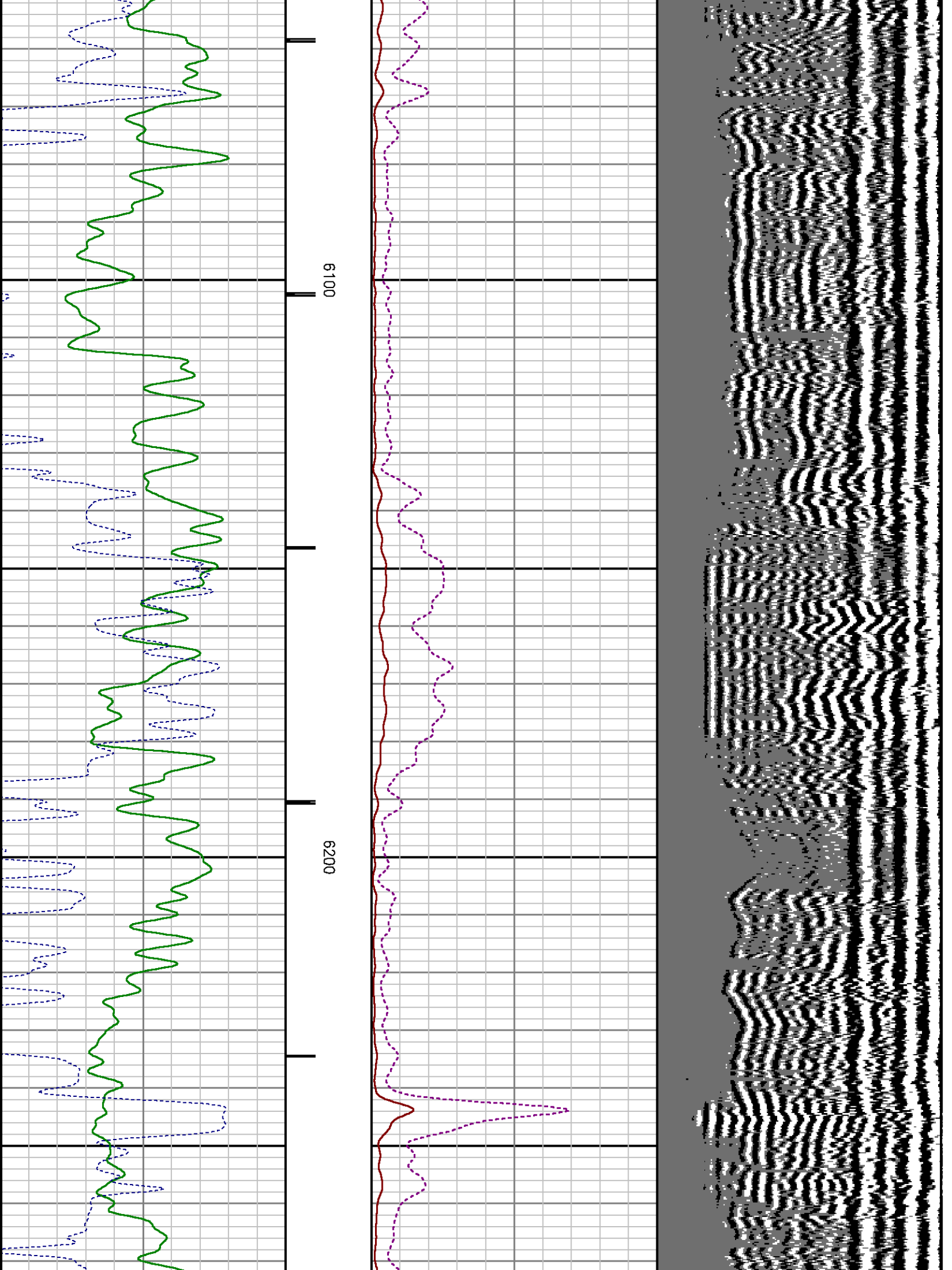


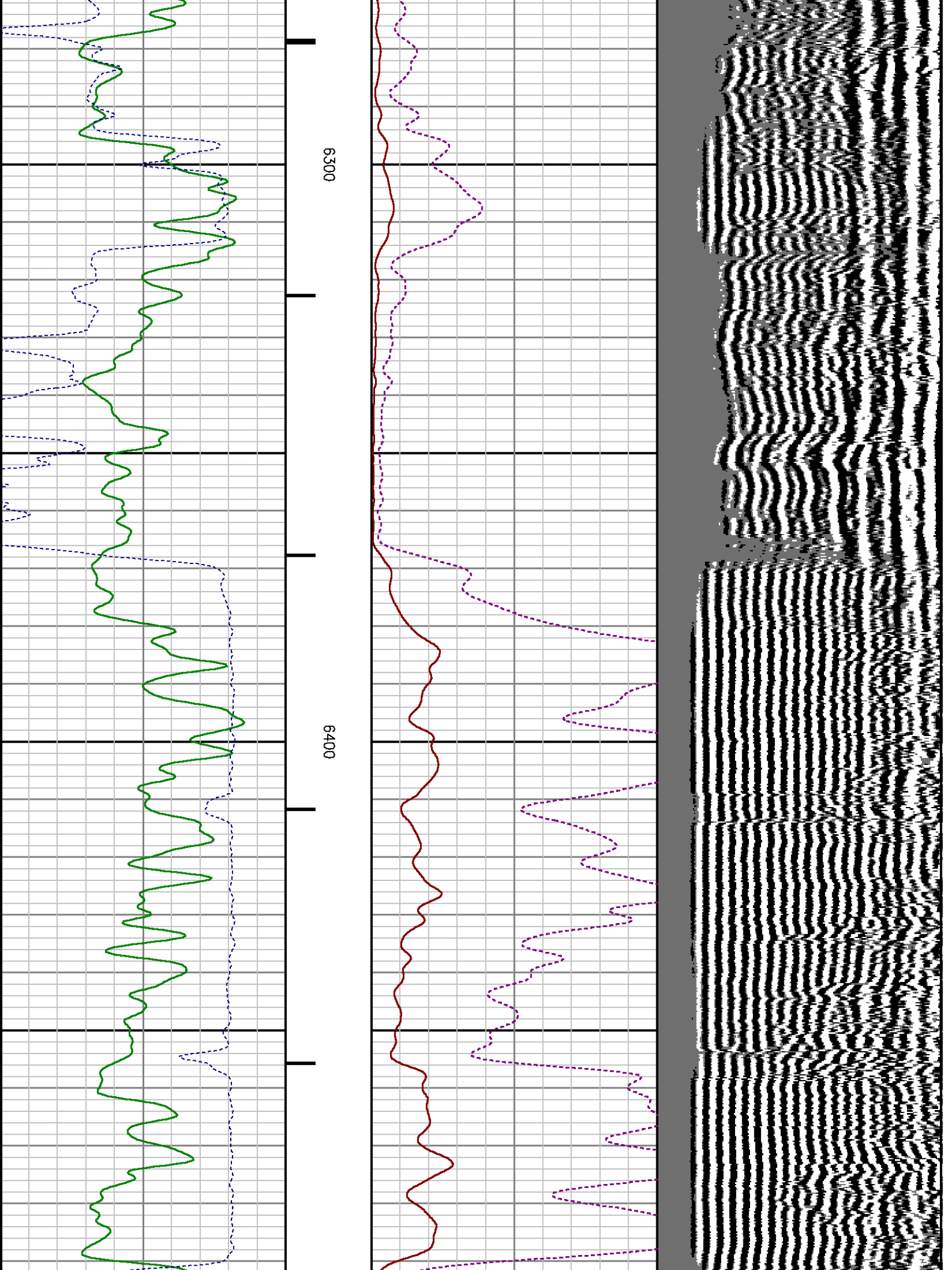


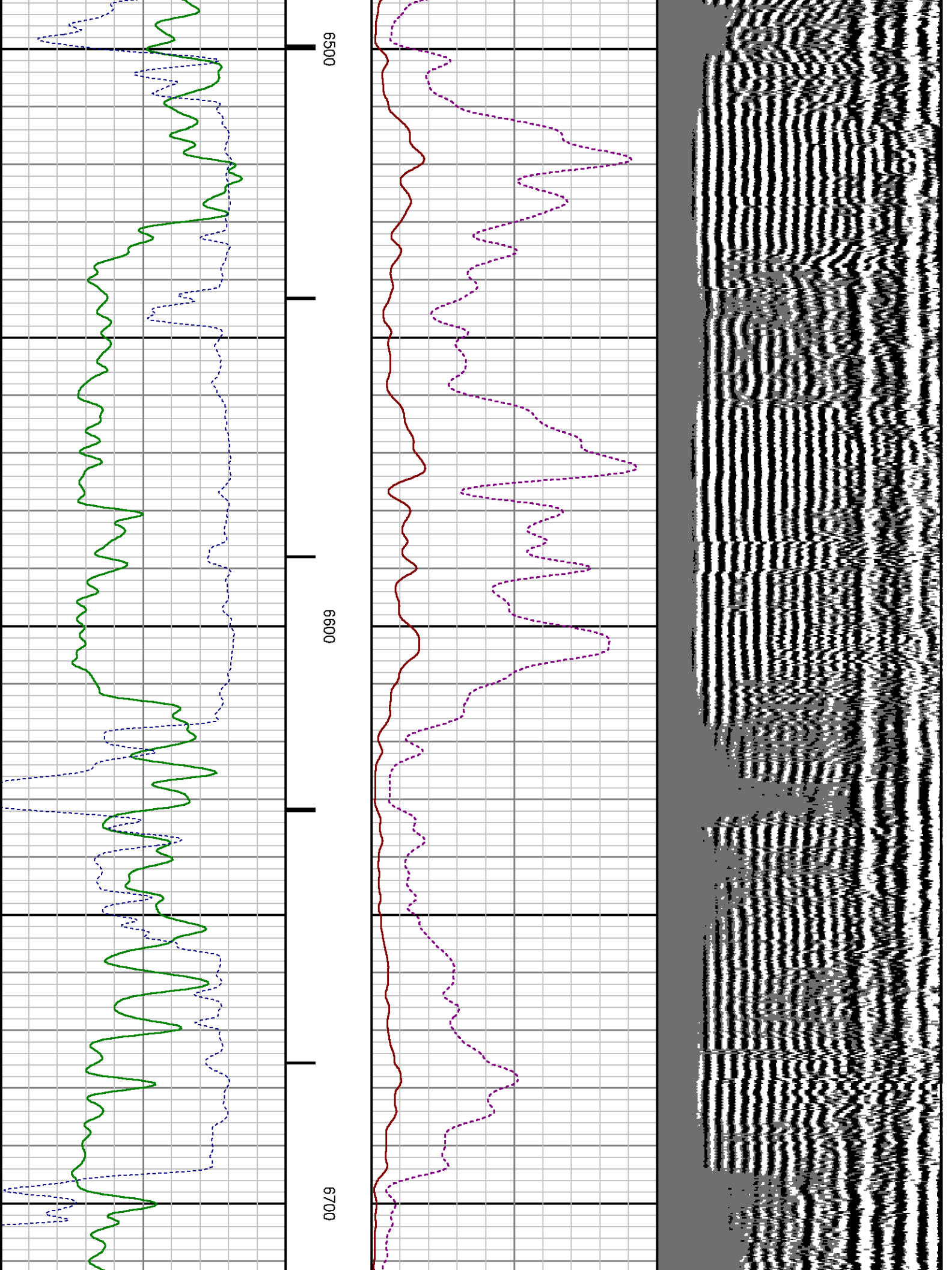


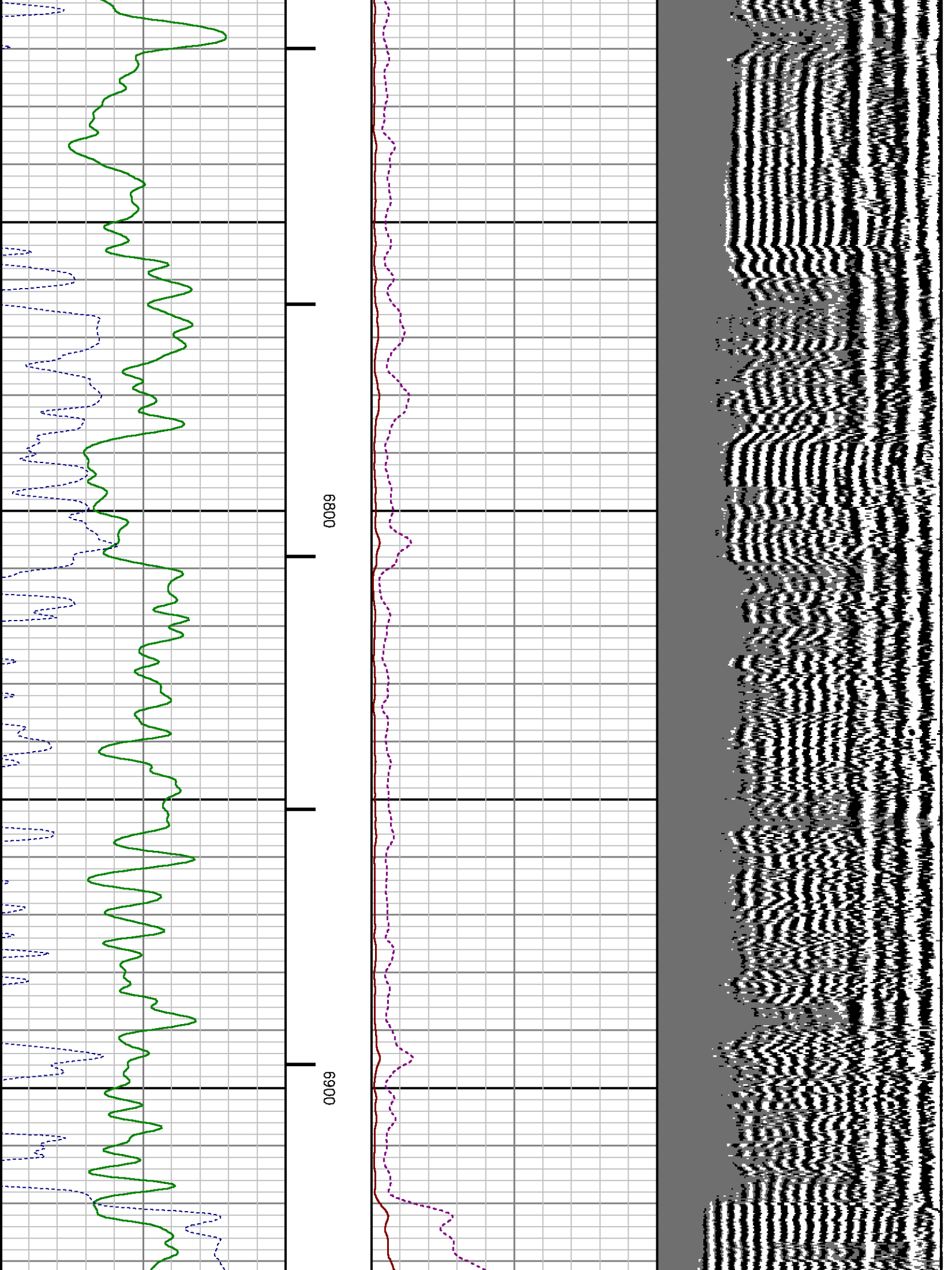


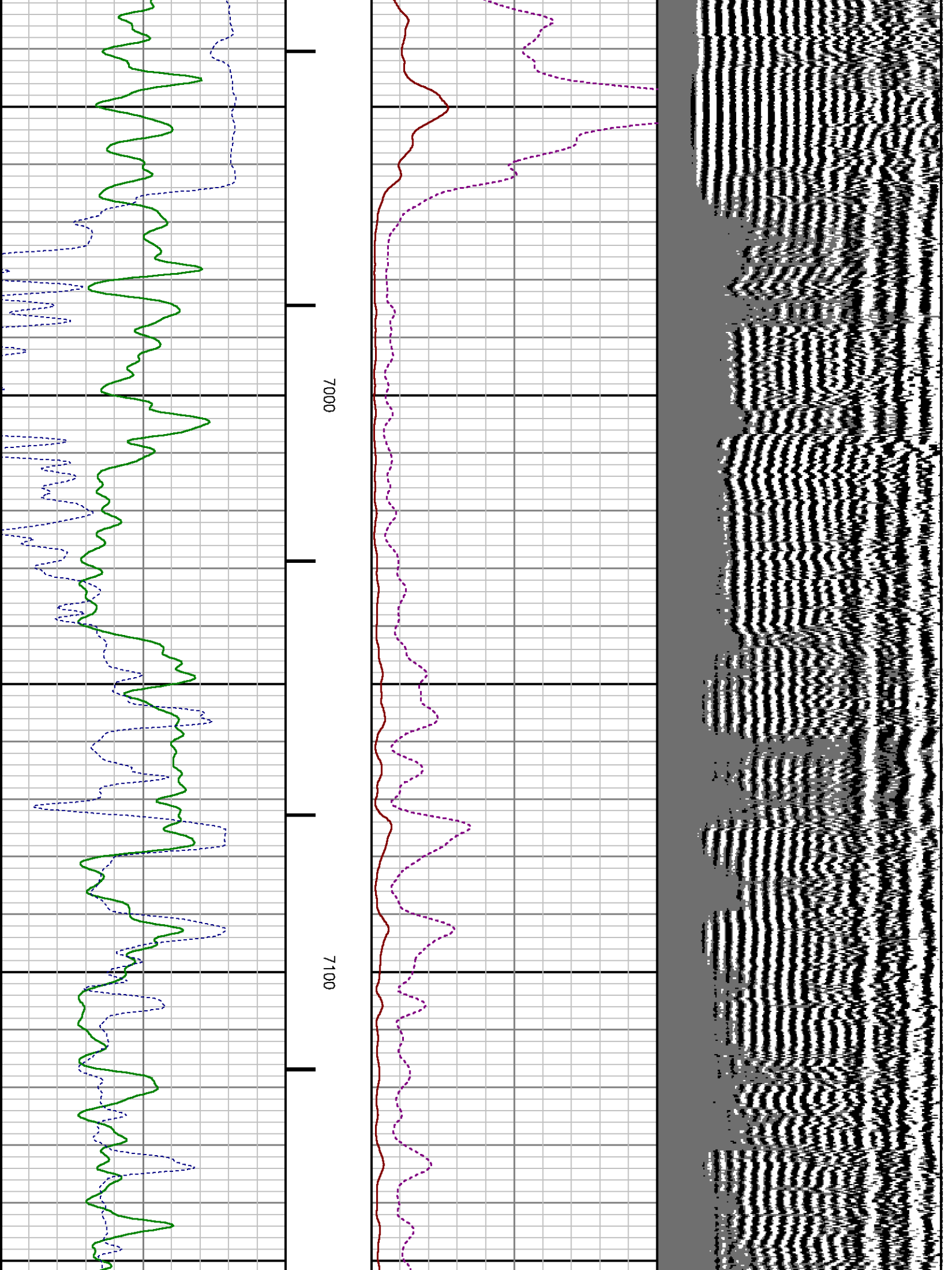


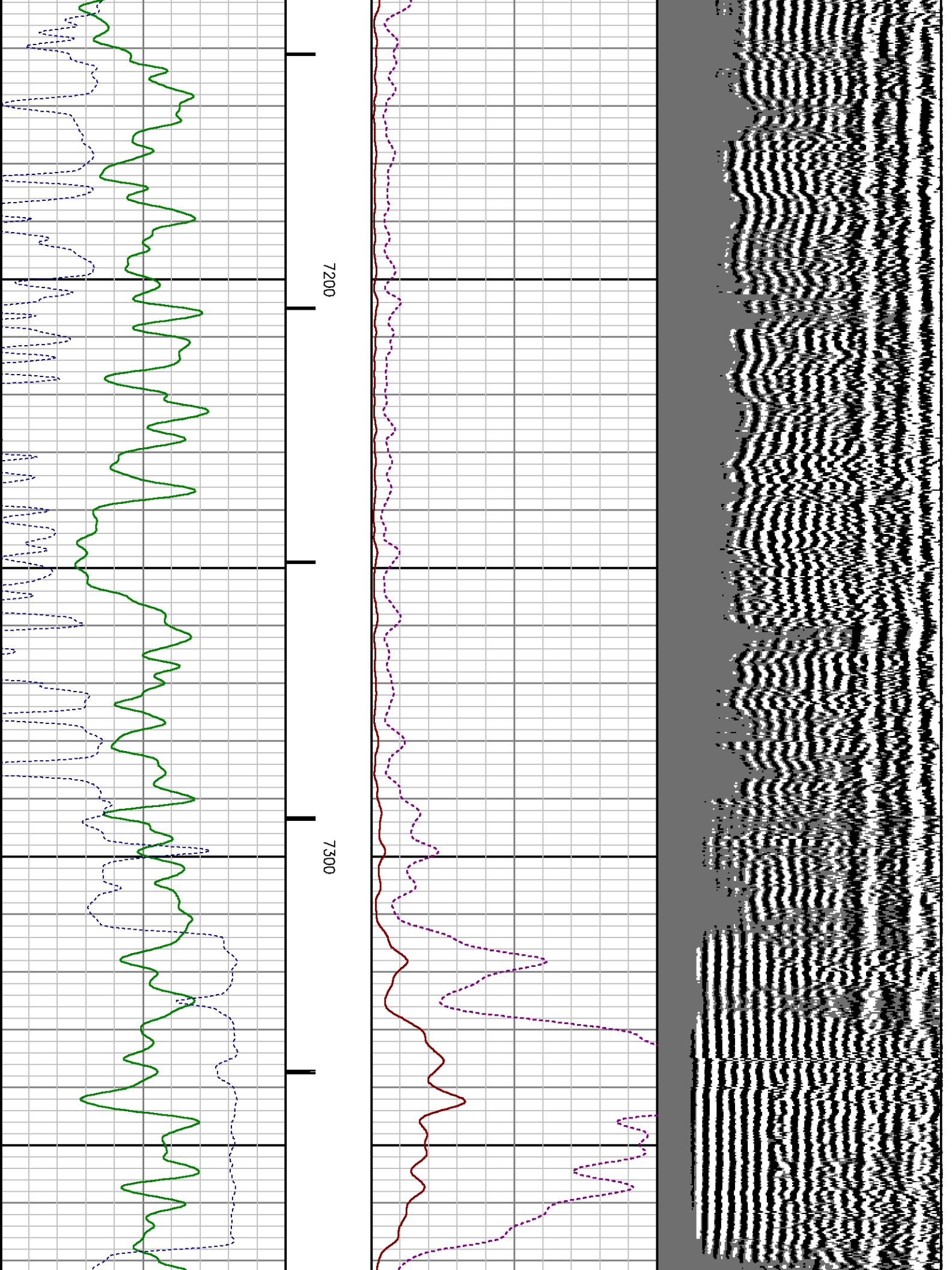


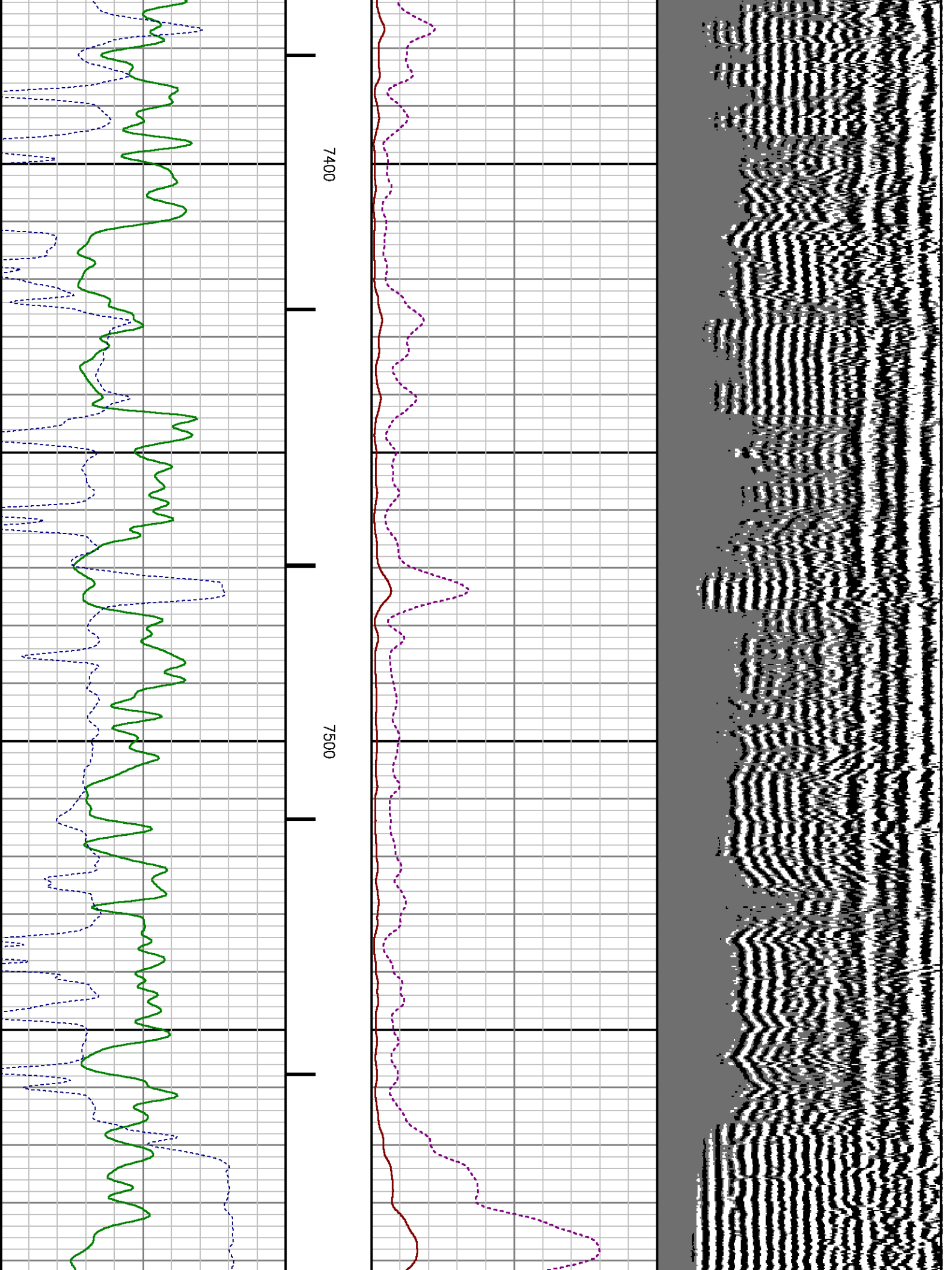


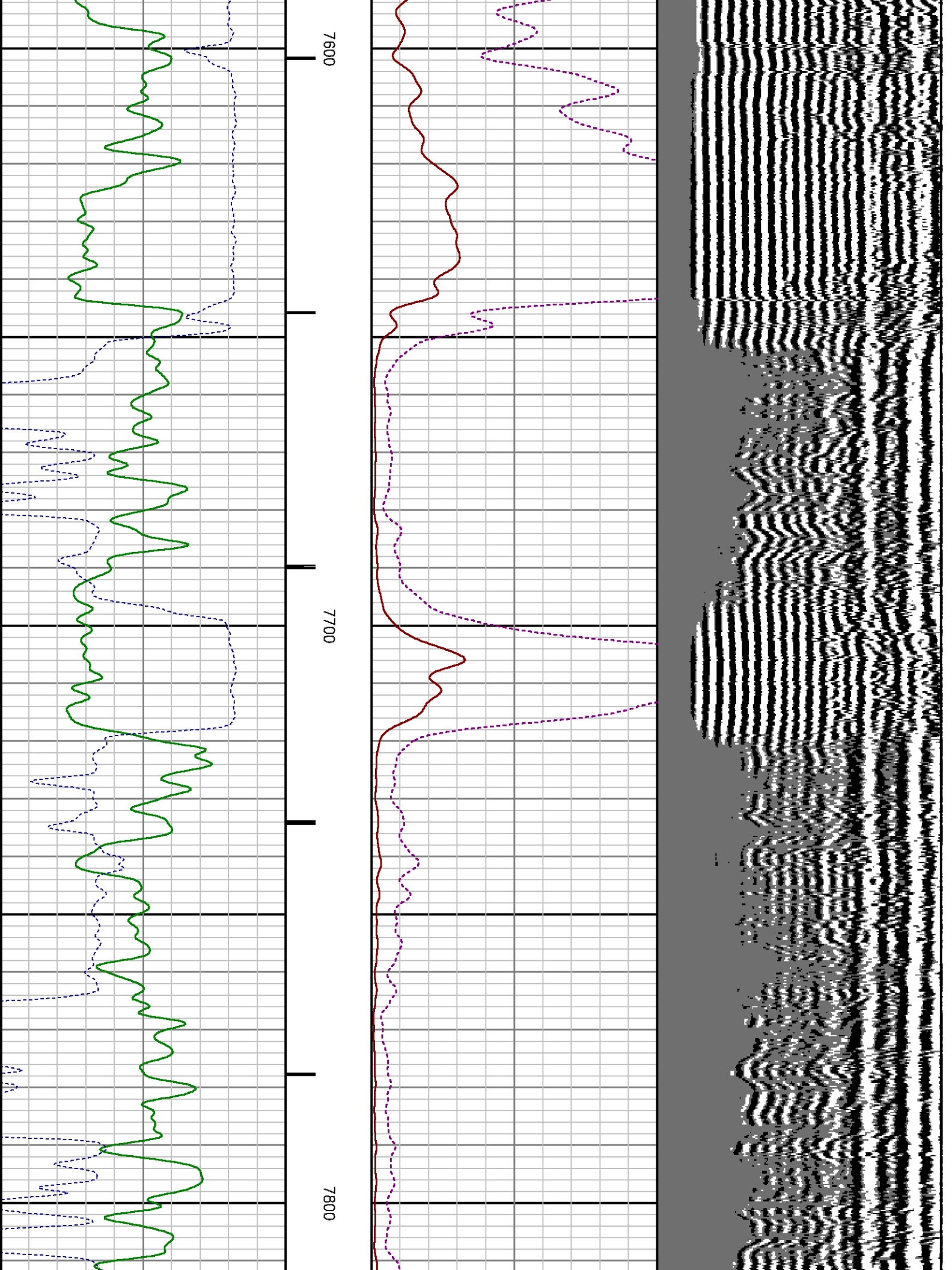


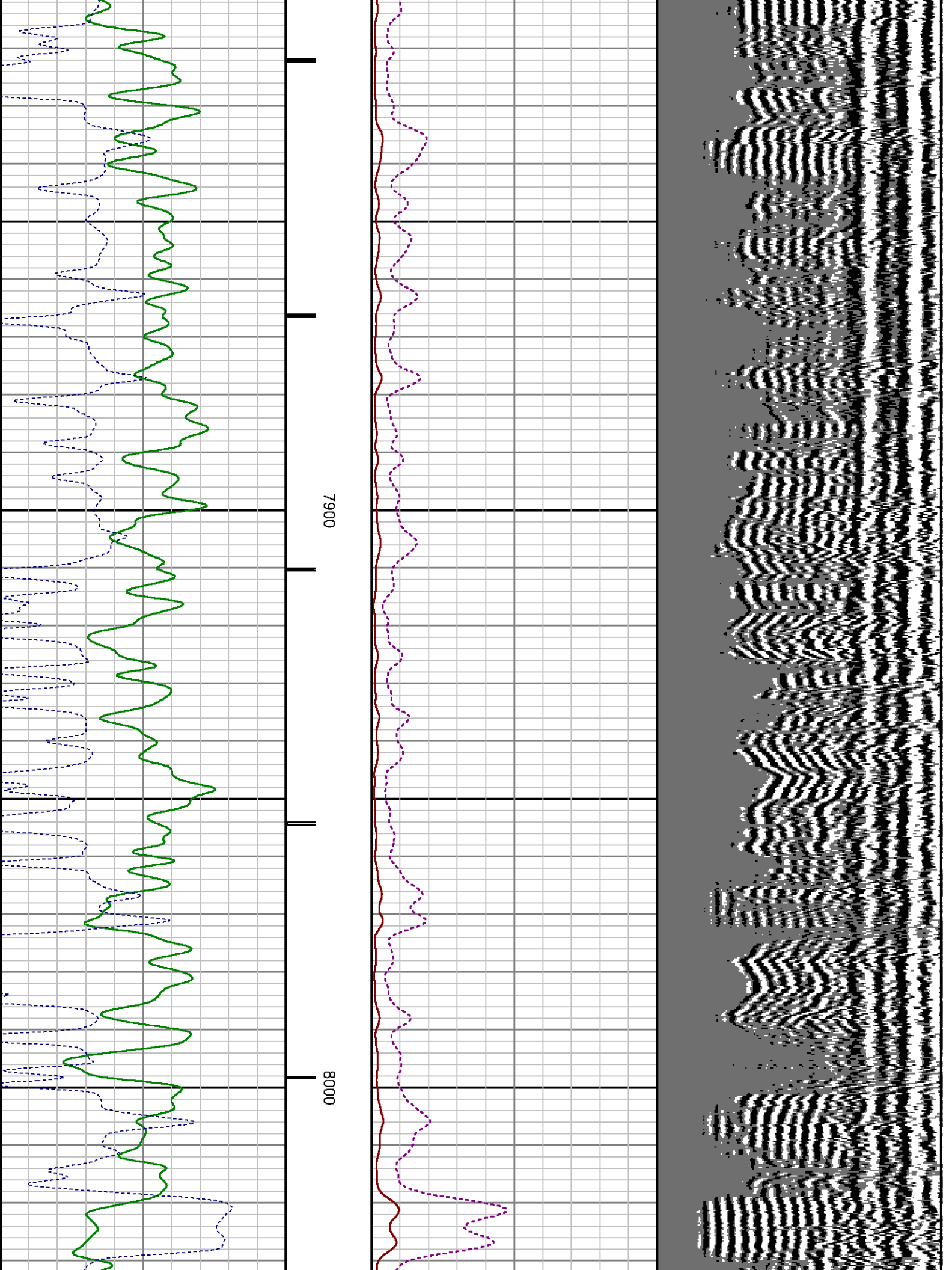


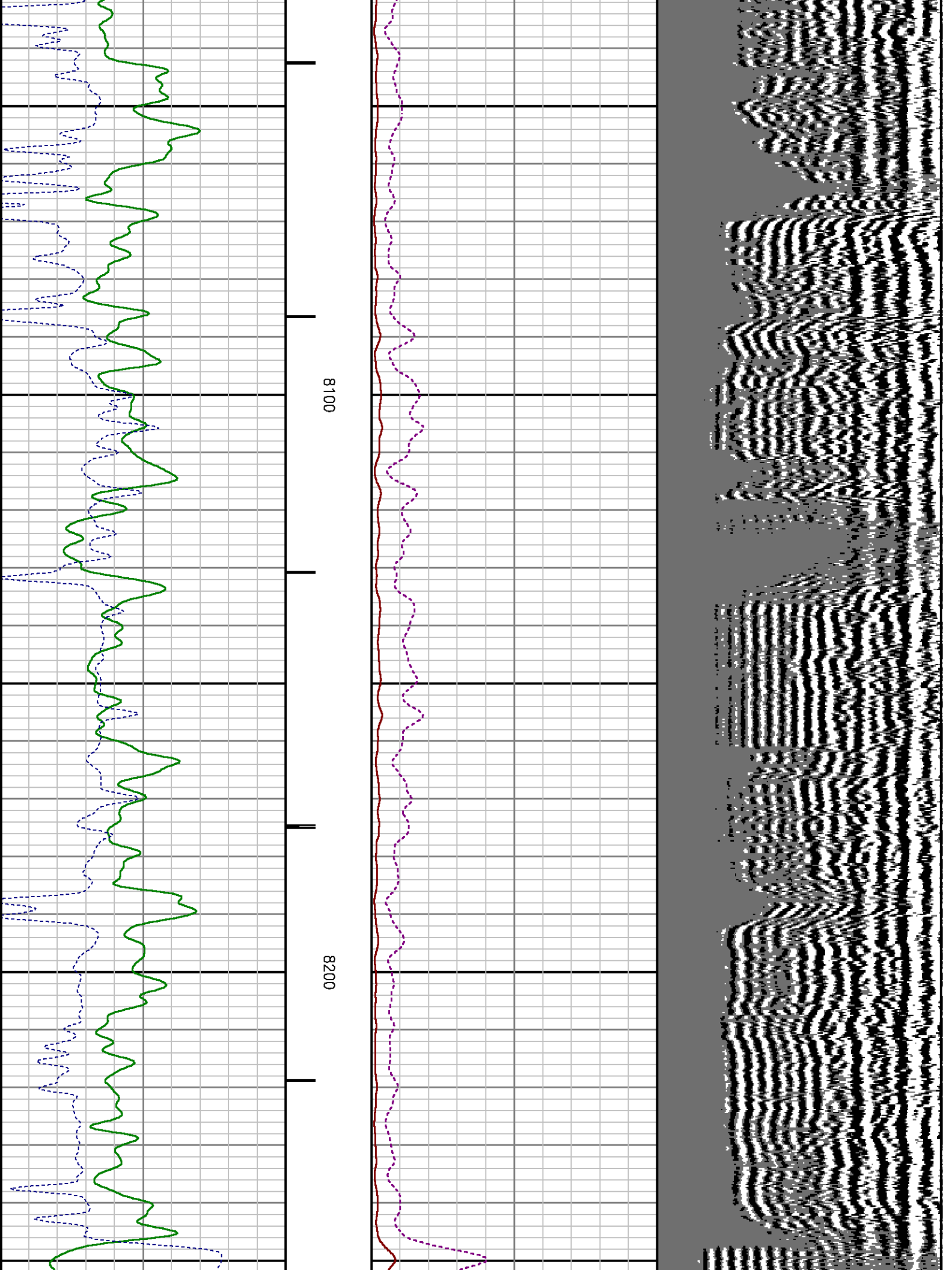


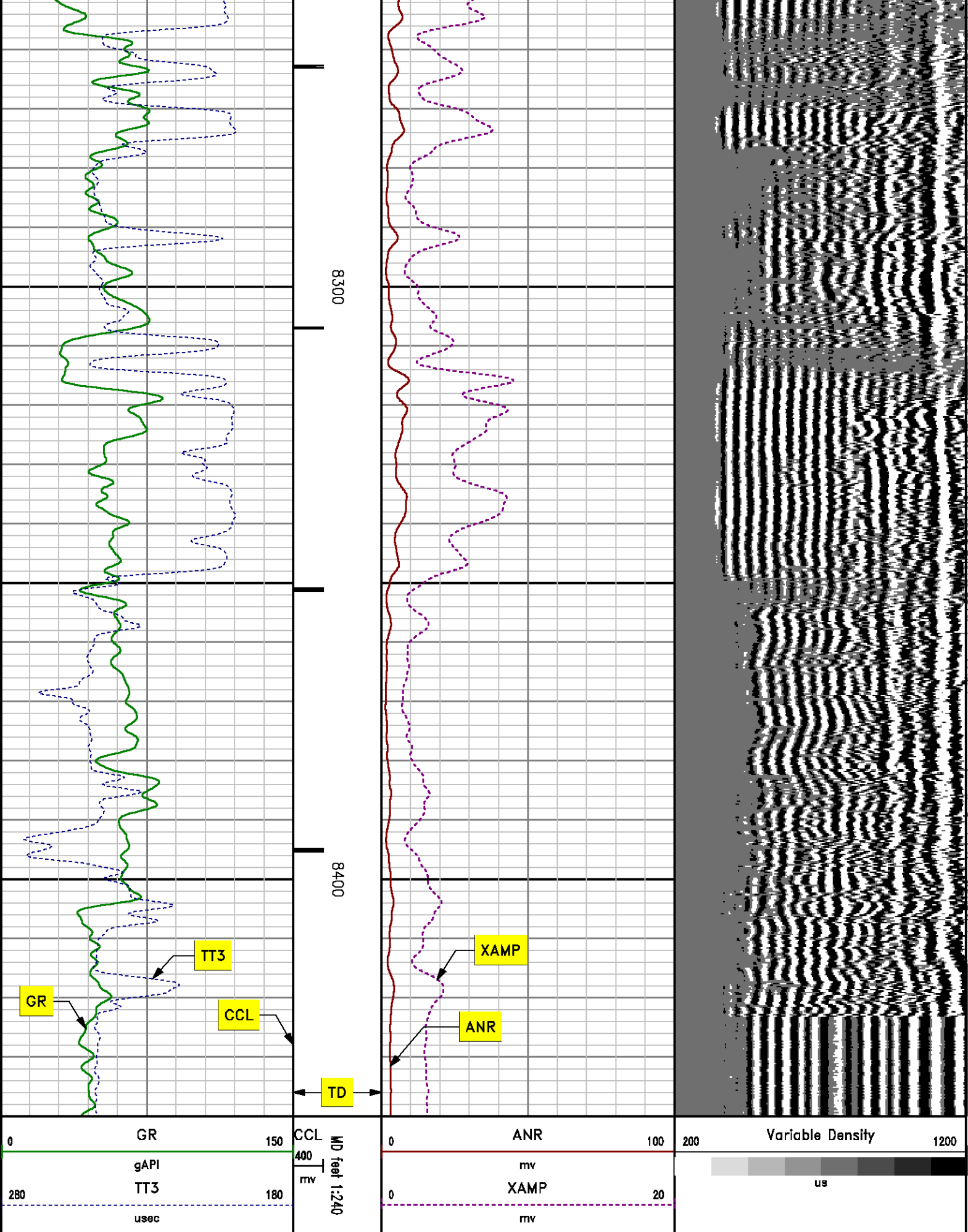












MAIN LOG SECONDARY PRESENTATION

0 PSI

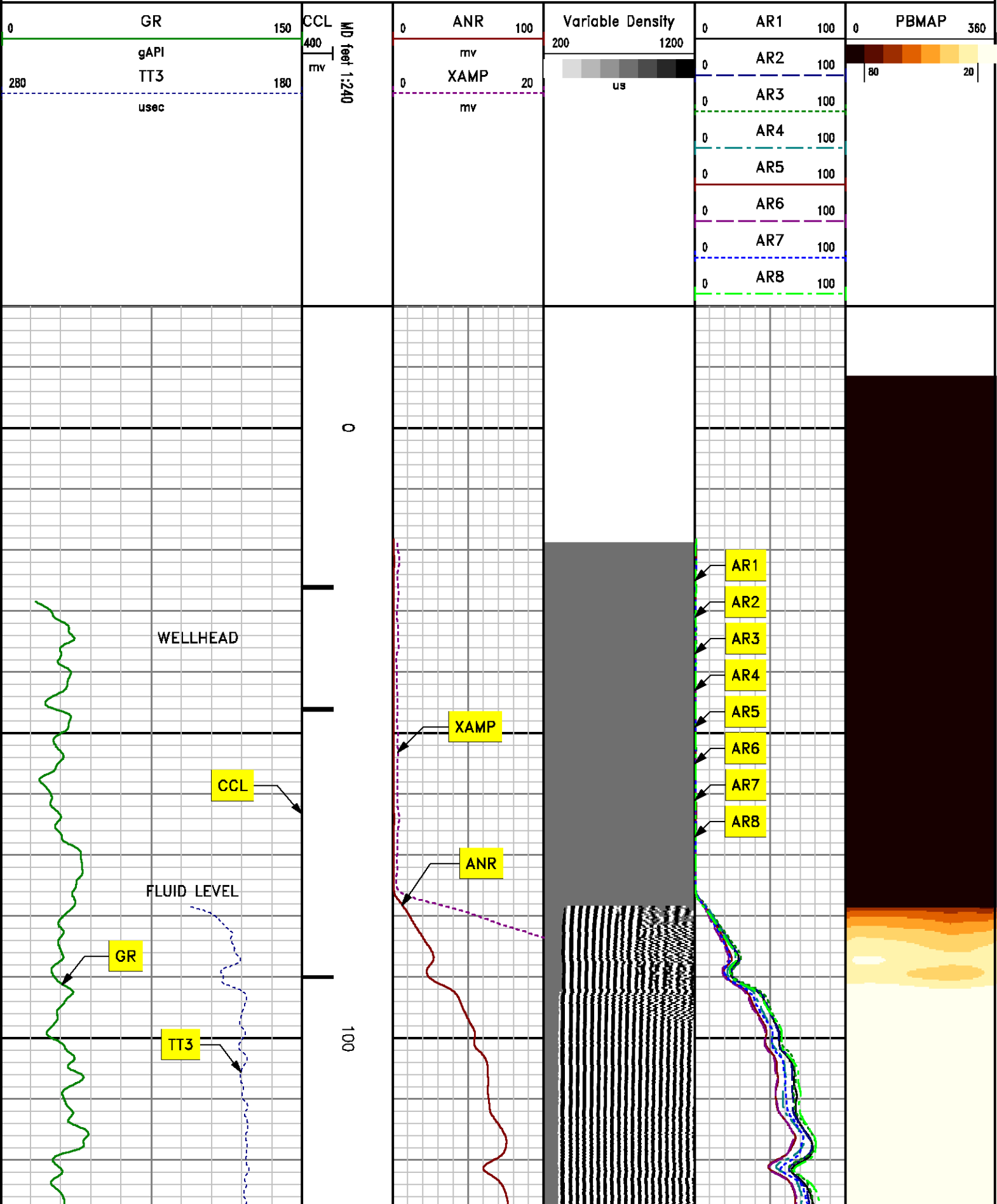
MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	306.372	usec	28.718	8452.500
RAL	Amp Gate Start Near	198.687	usec	28.718	8452.500
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RAL	FB Thresh Far	10.000	mv	28.718	8452.500
RAL	FB Thresh Near	4.000	mv	28.718	8452.500
RAL	FB Thresh Radial	4.000	mv	28.718	8452.500
RAL	Fluid Travel Time	200.000	usec/ft	28.718	8452.500

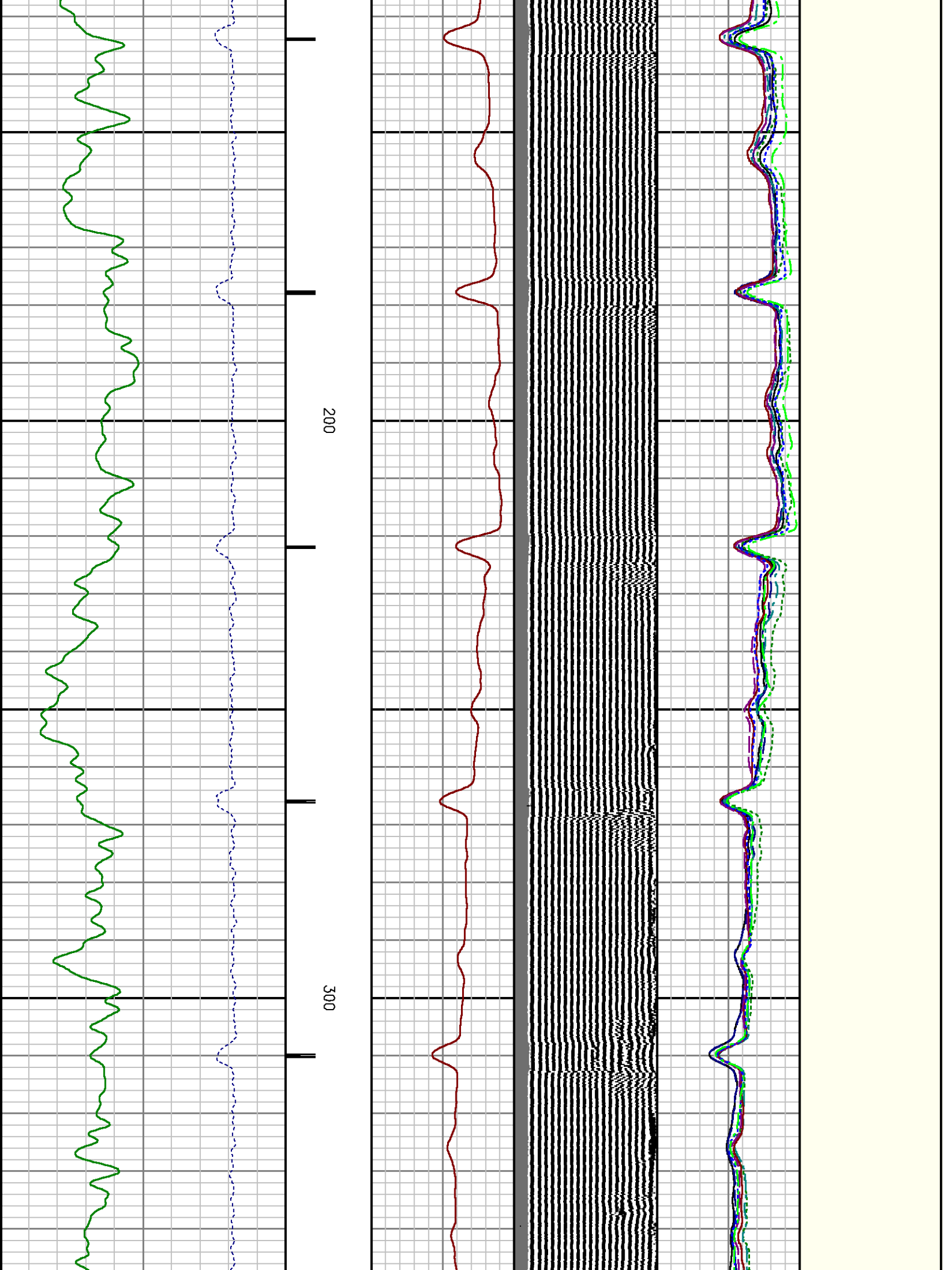
DEPTH OFFSETS

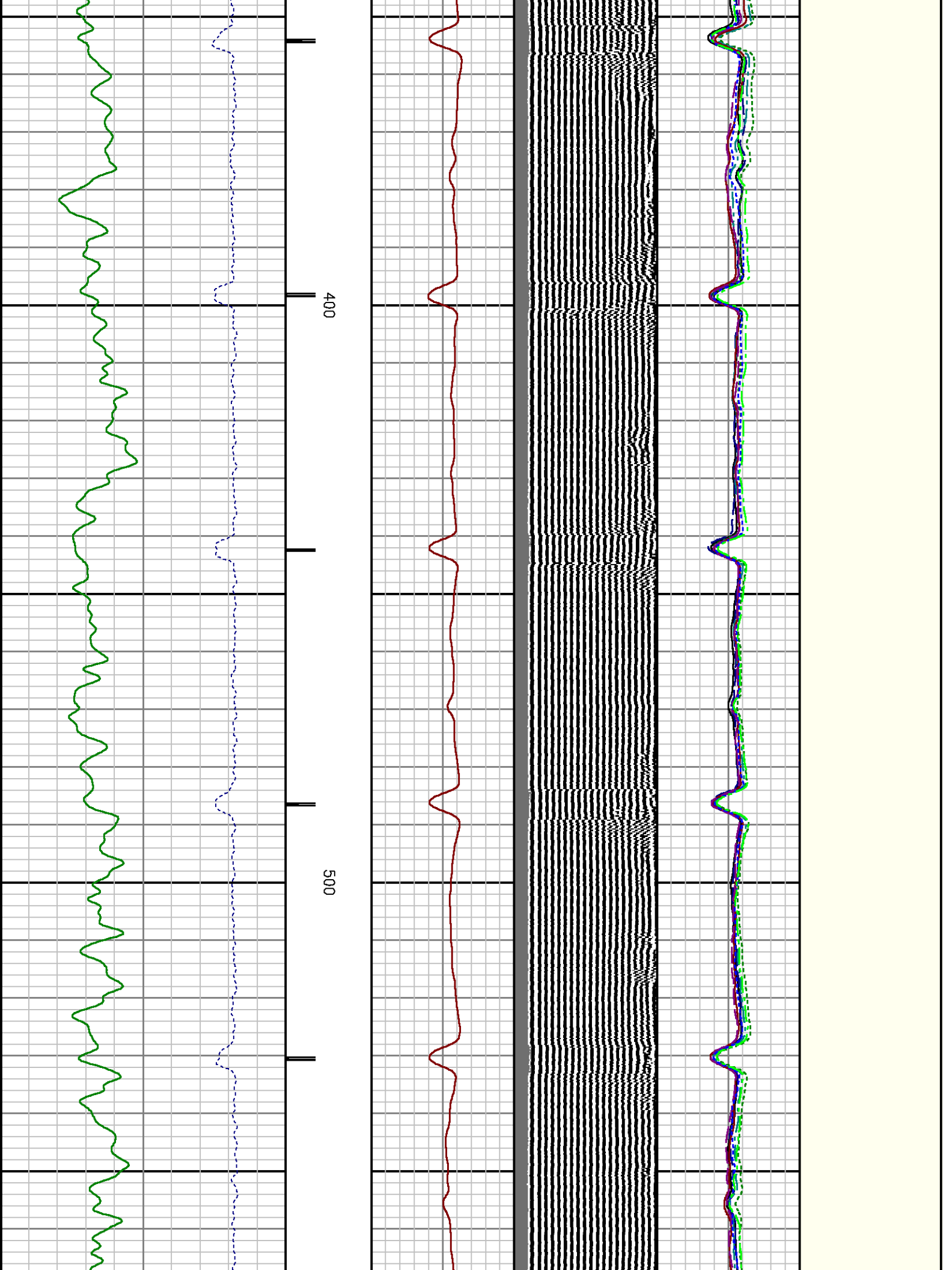
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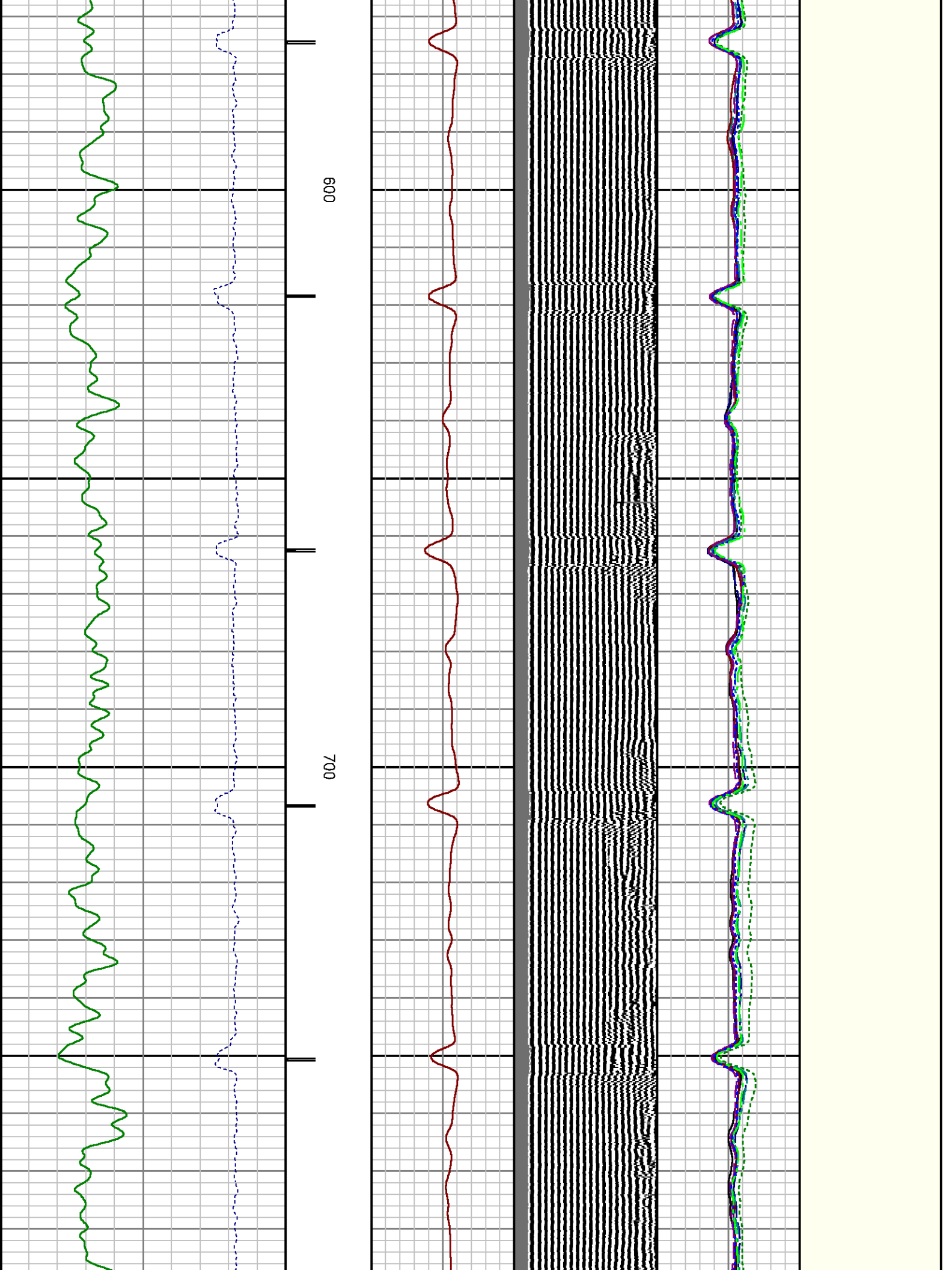
SERIES	DEPTH OFFSET	ACQUIRED CURVES					
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		FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP
1426XA	-10.040	AFAR	SIG	TT5			
1355XA	-5.620	CCL					
1355XA	-1.500	GR					
1355XA	0.000	TEMP					

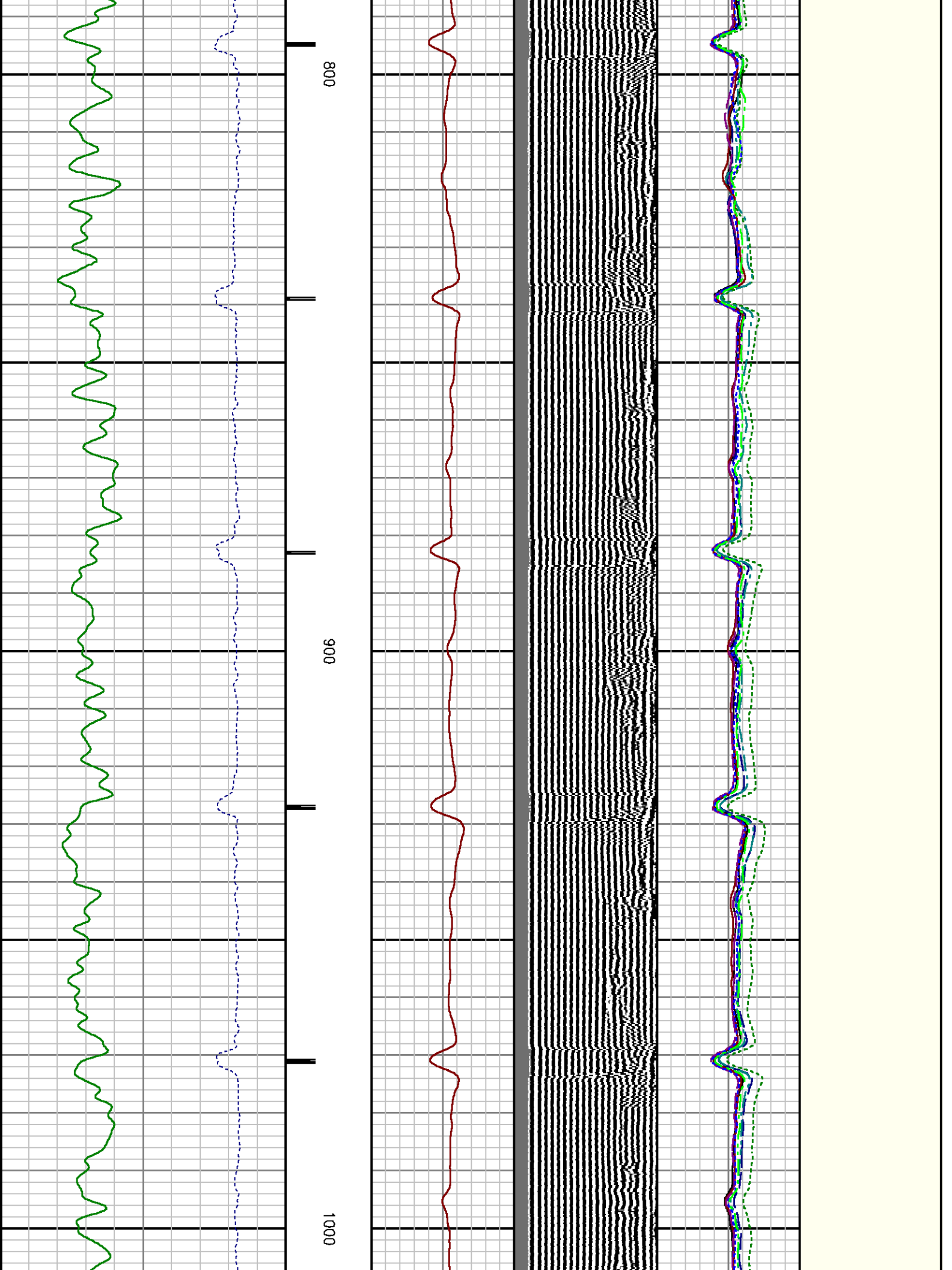
Company : WPX ENERGY
Well : GOLDSBOROUGH PA 11-11
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Mode : PlotMgr 5.4.504
Interval : -20.00 - 8440.00 feet UP
Created : 4/26/2013 12:31:24 PM

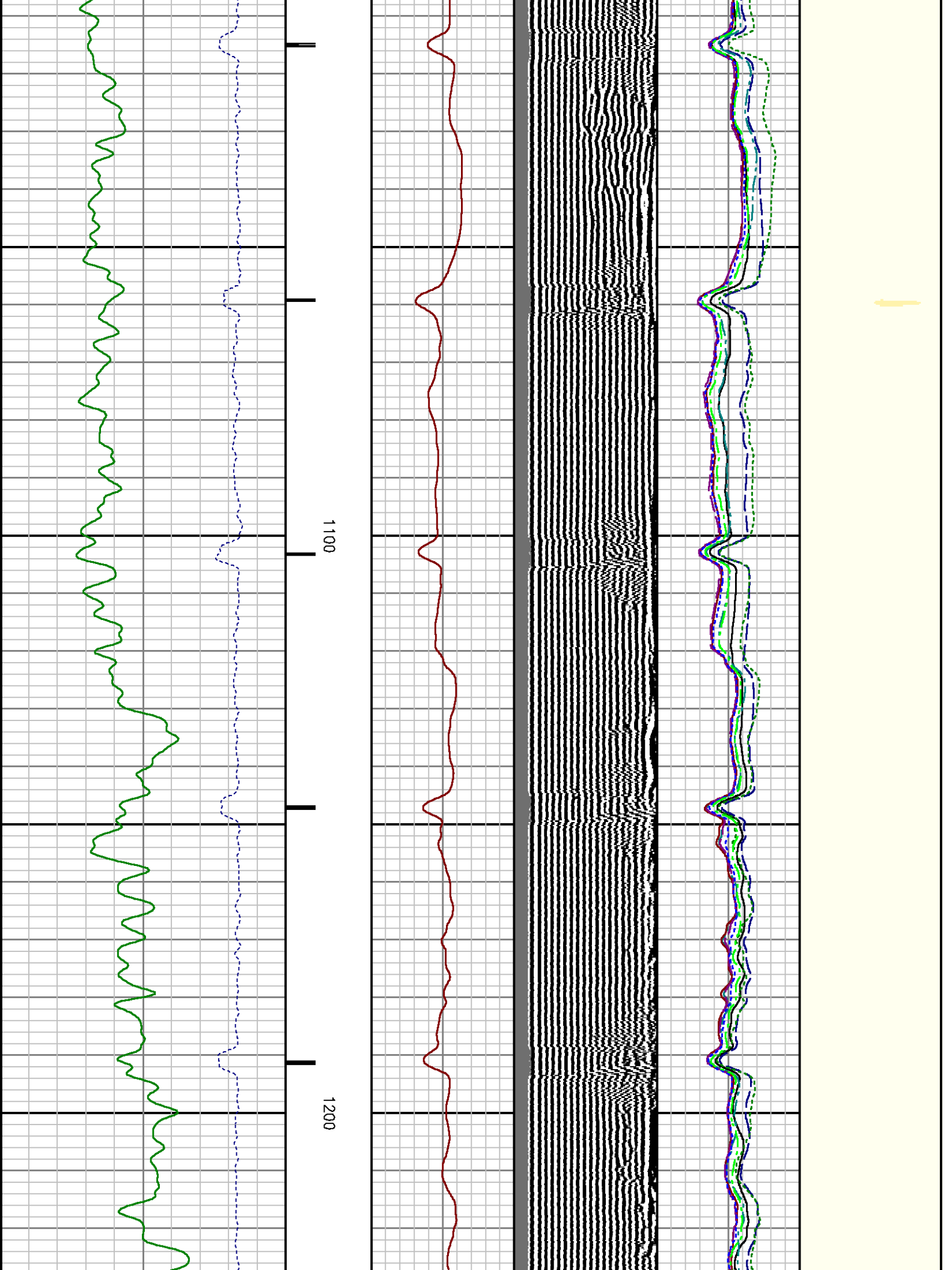


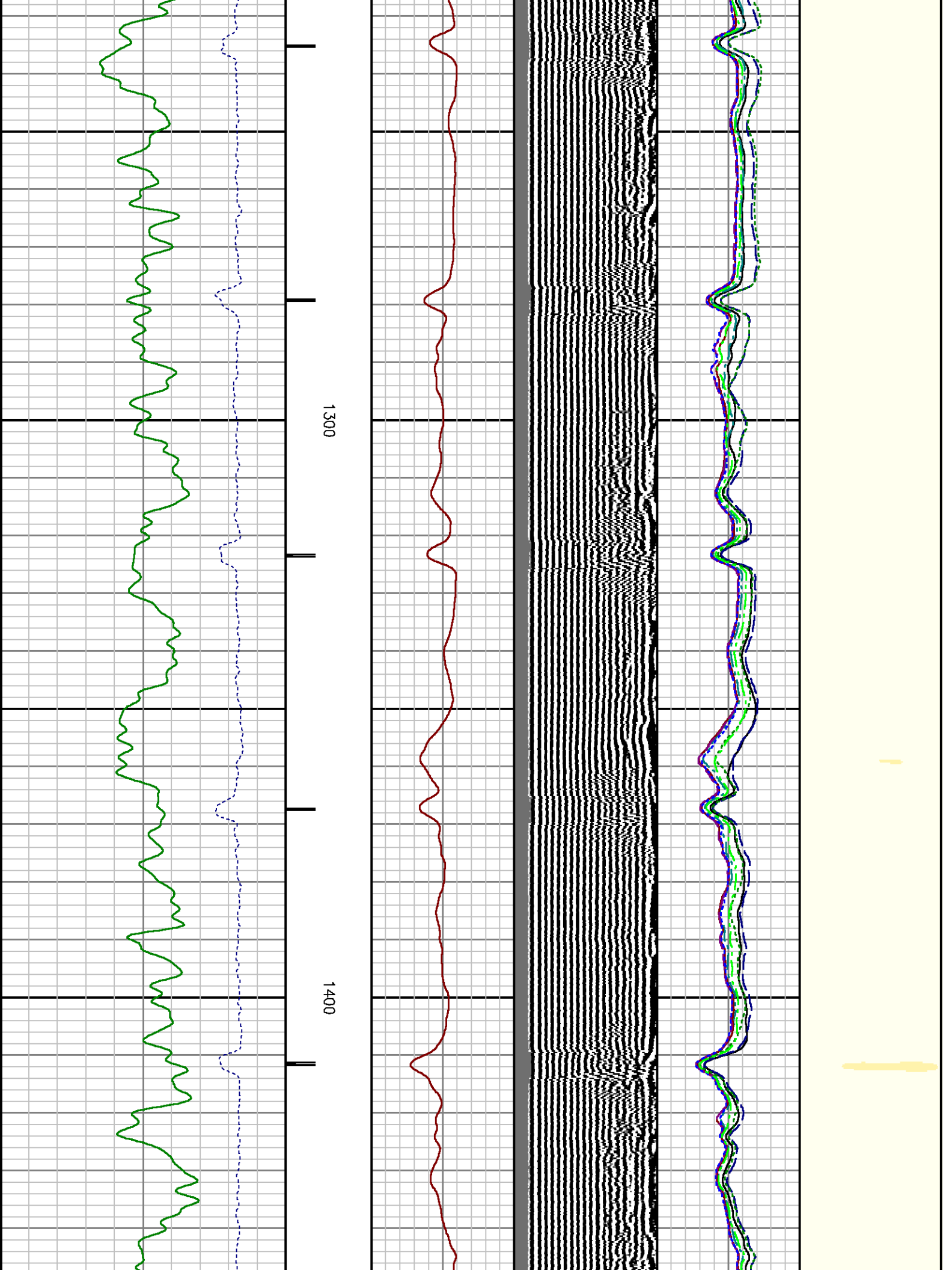


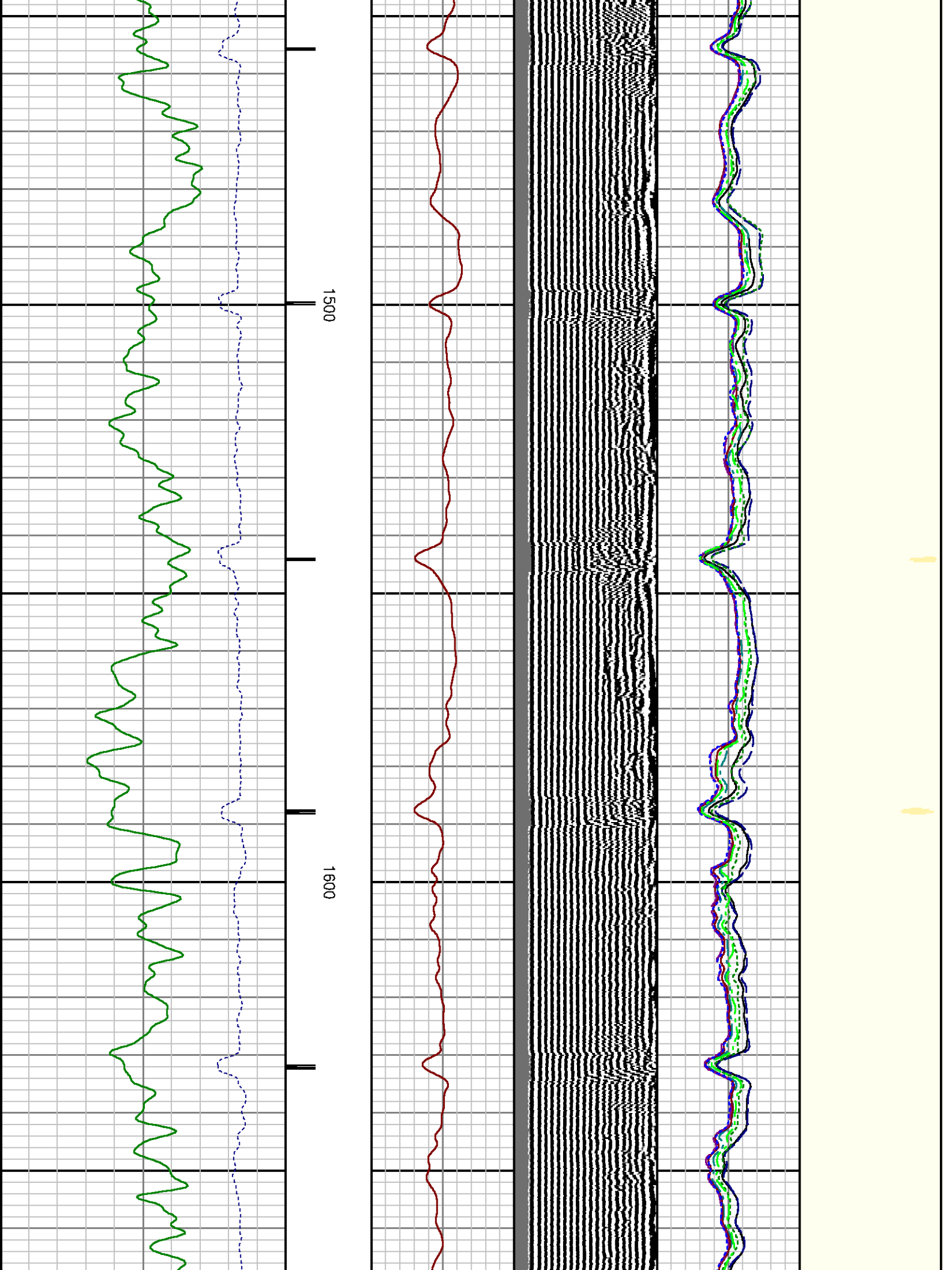


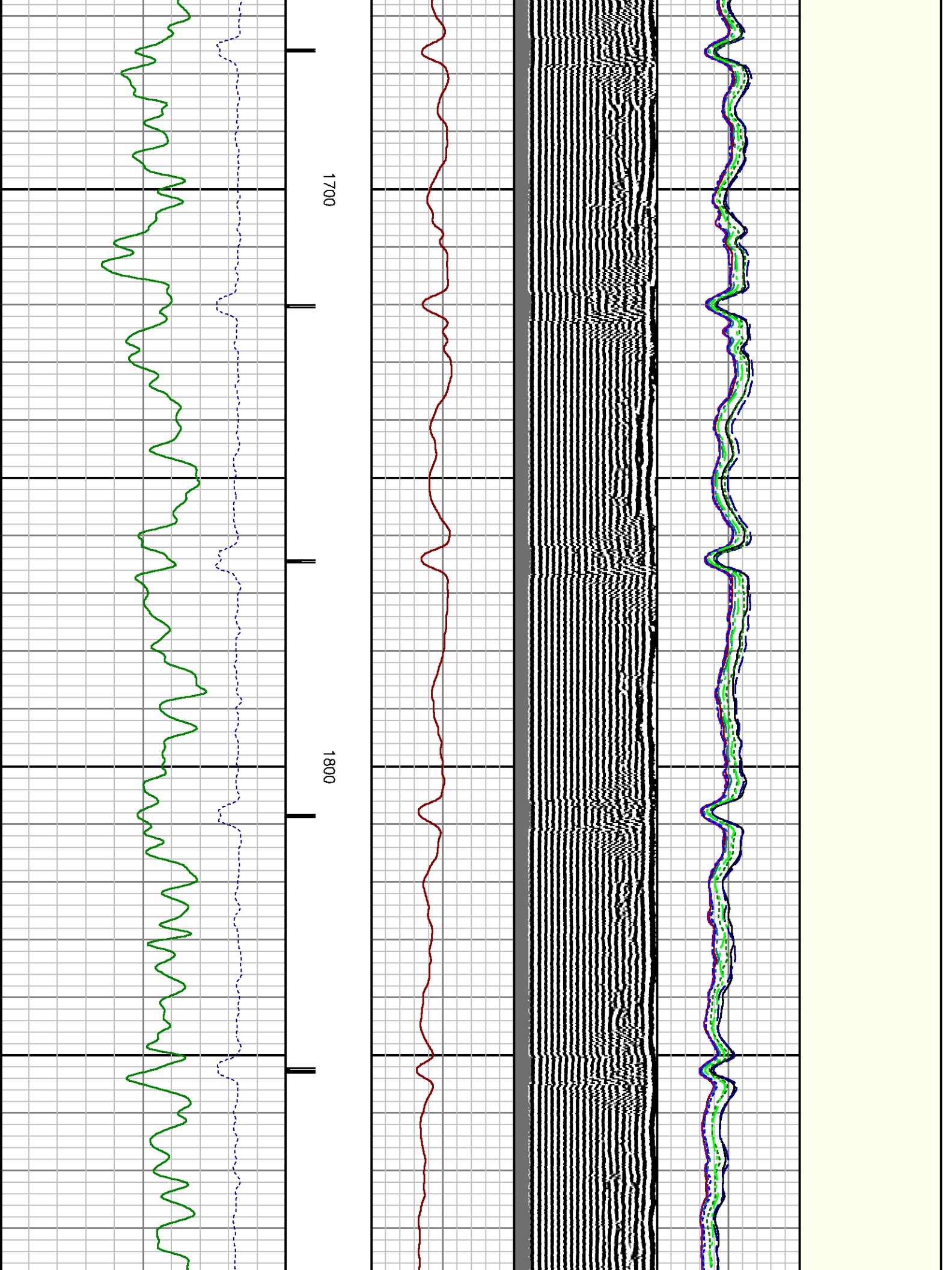


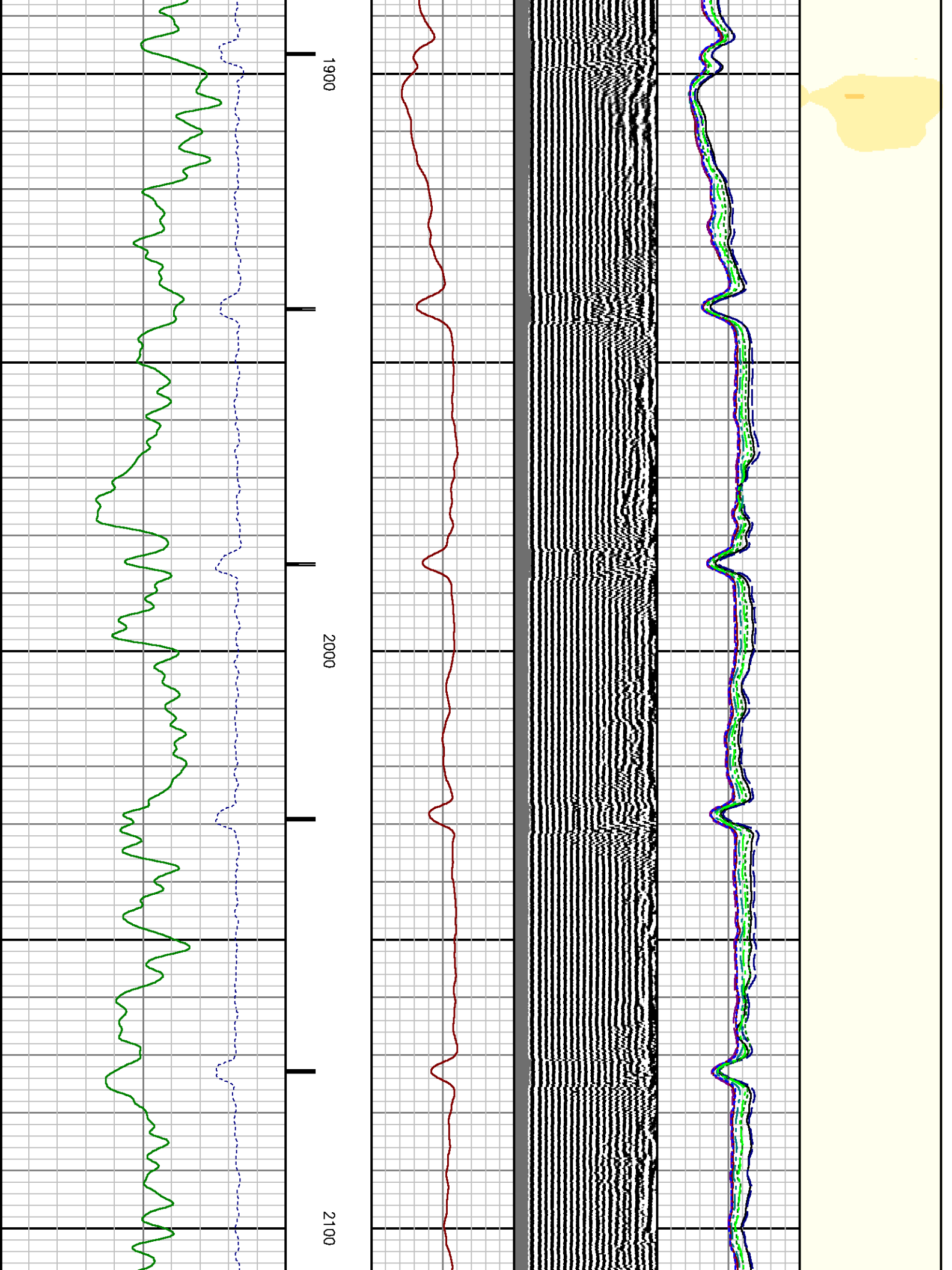


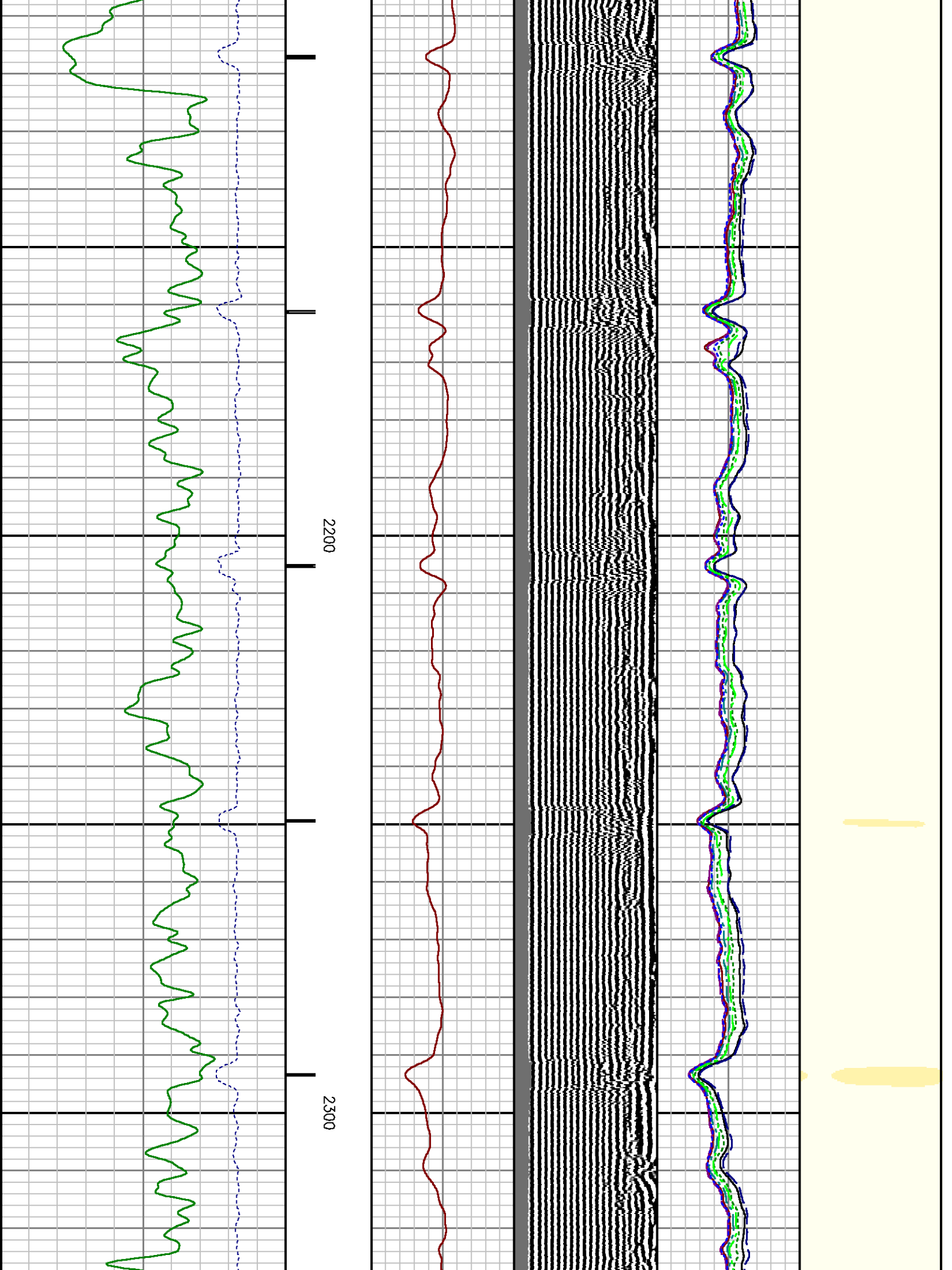


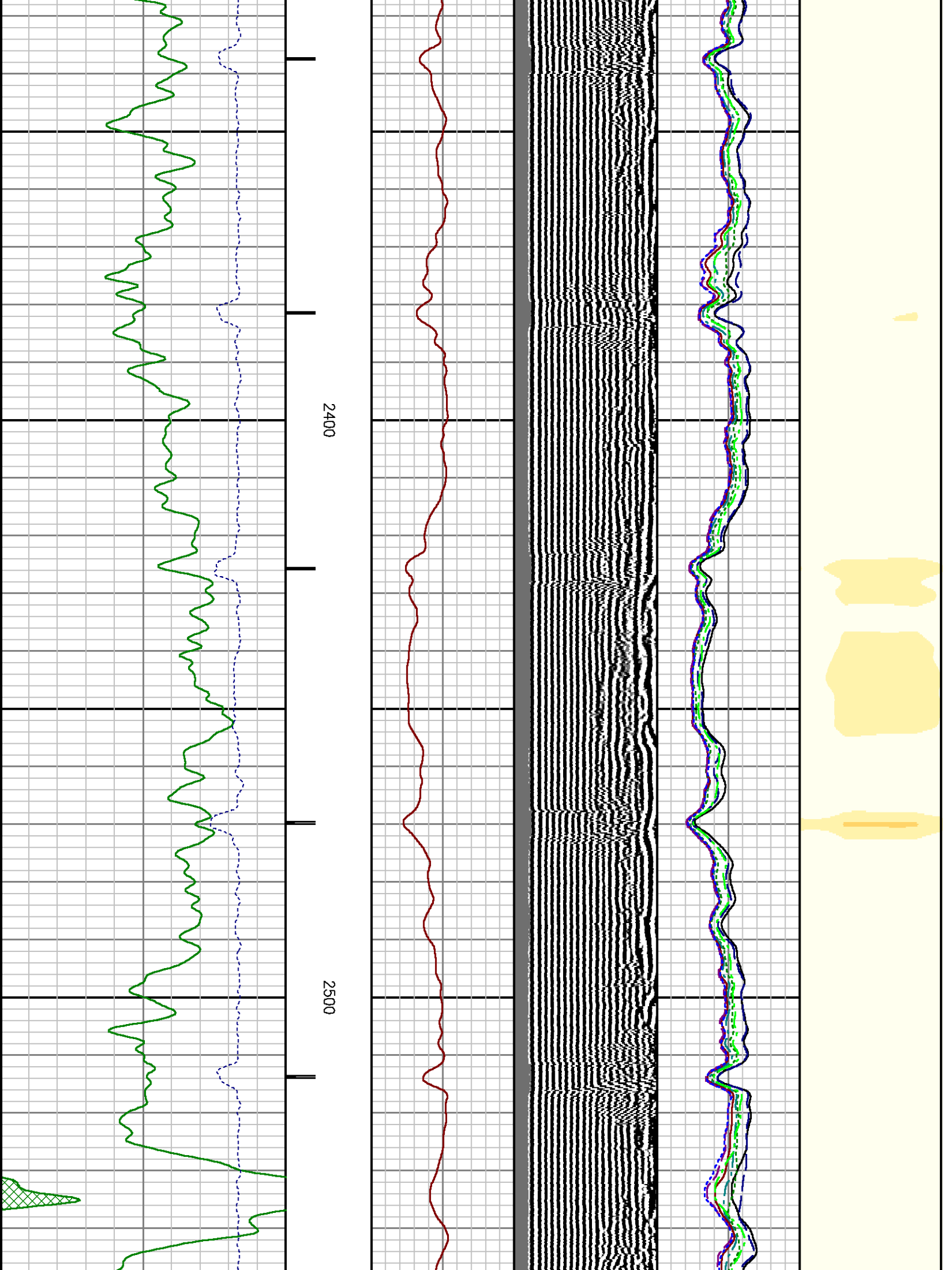


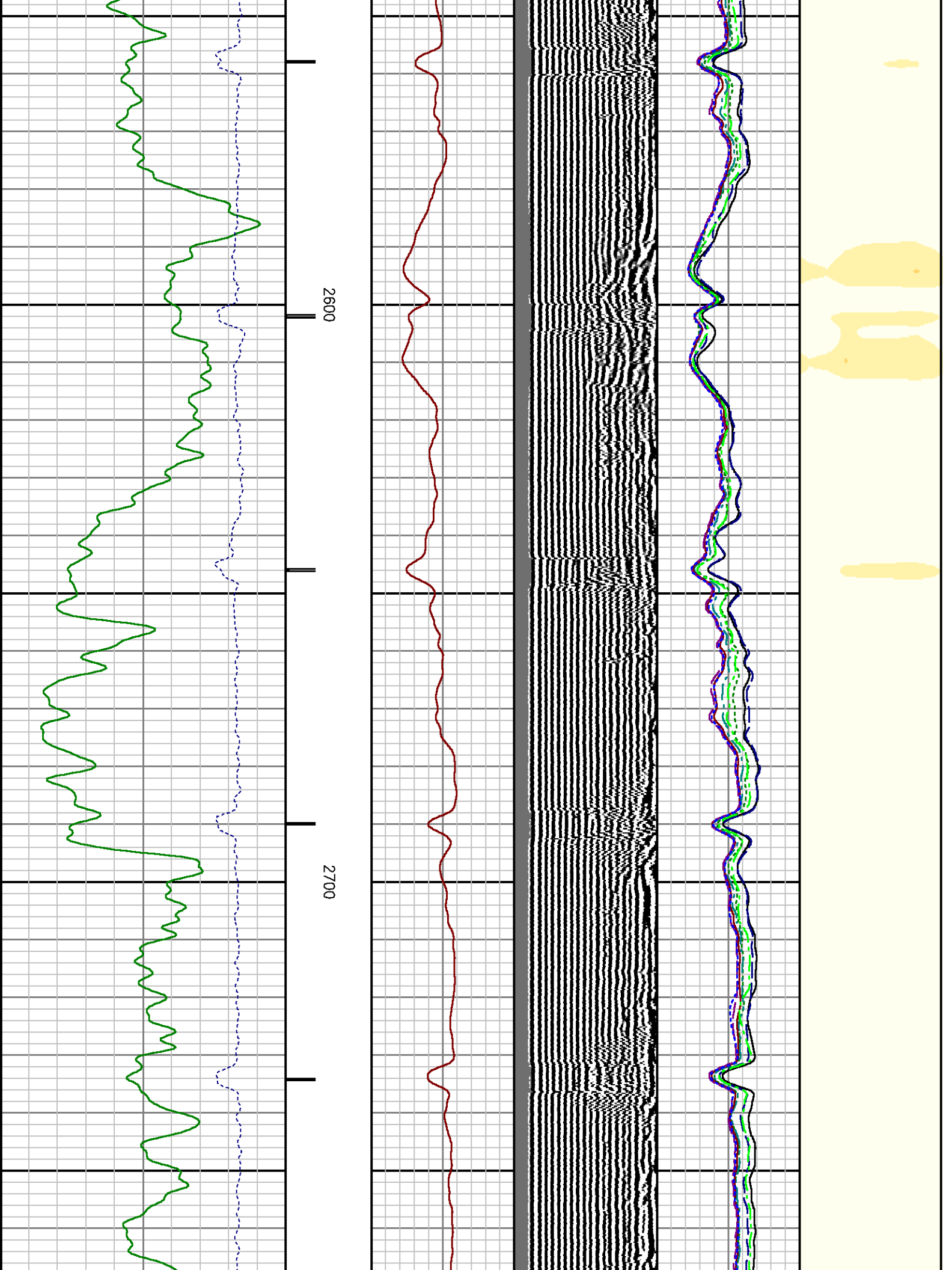


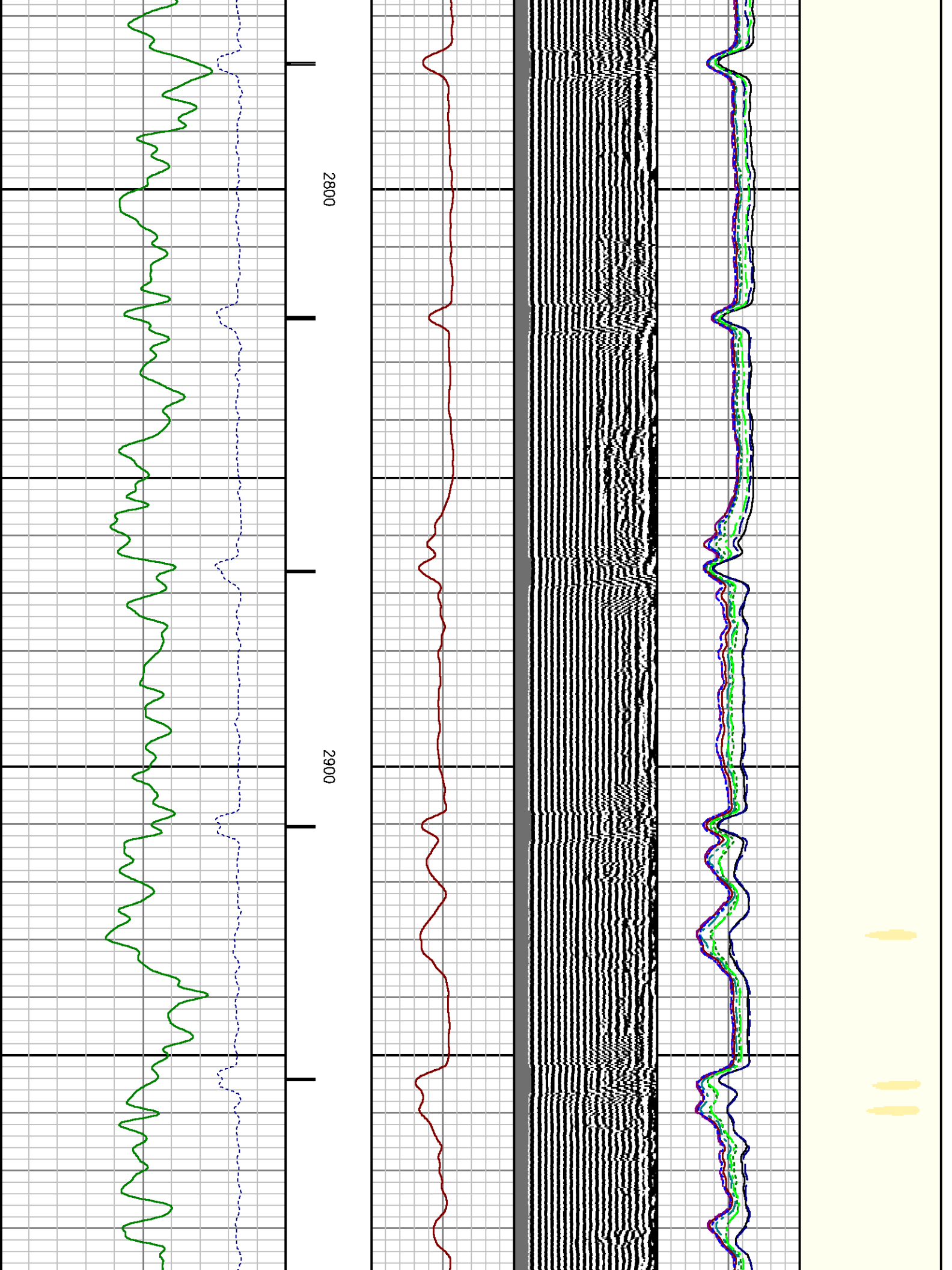


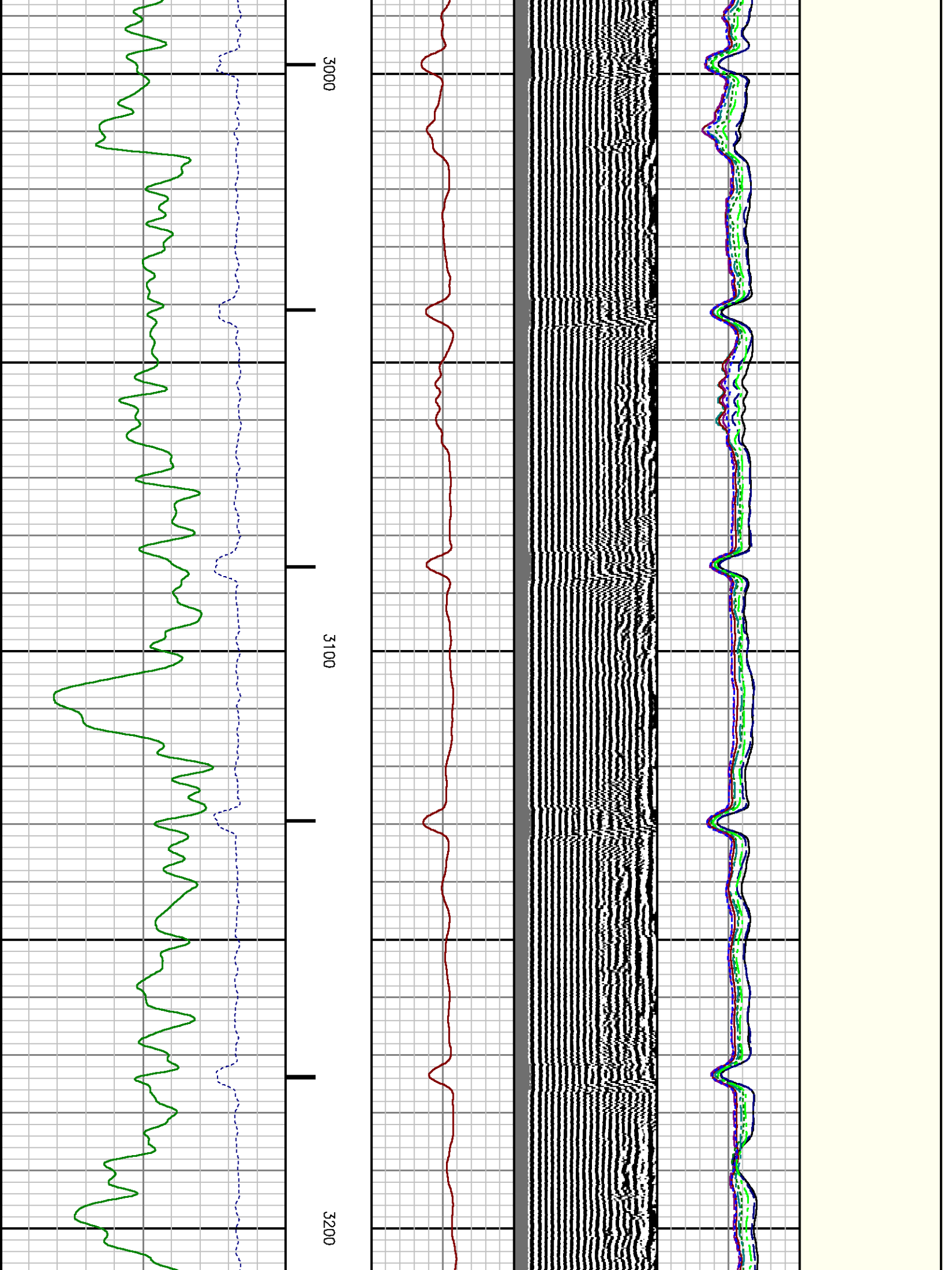


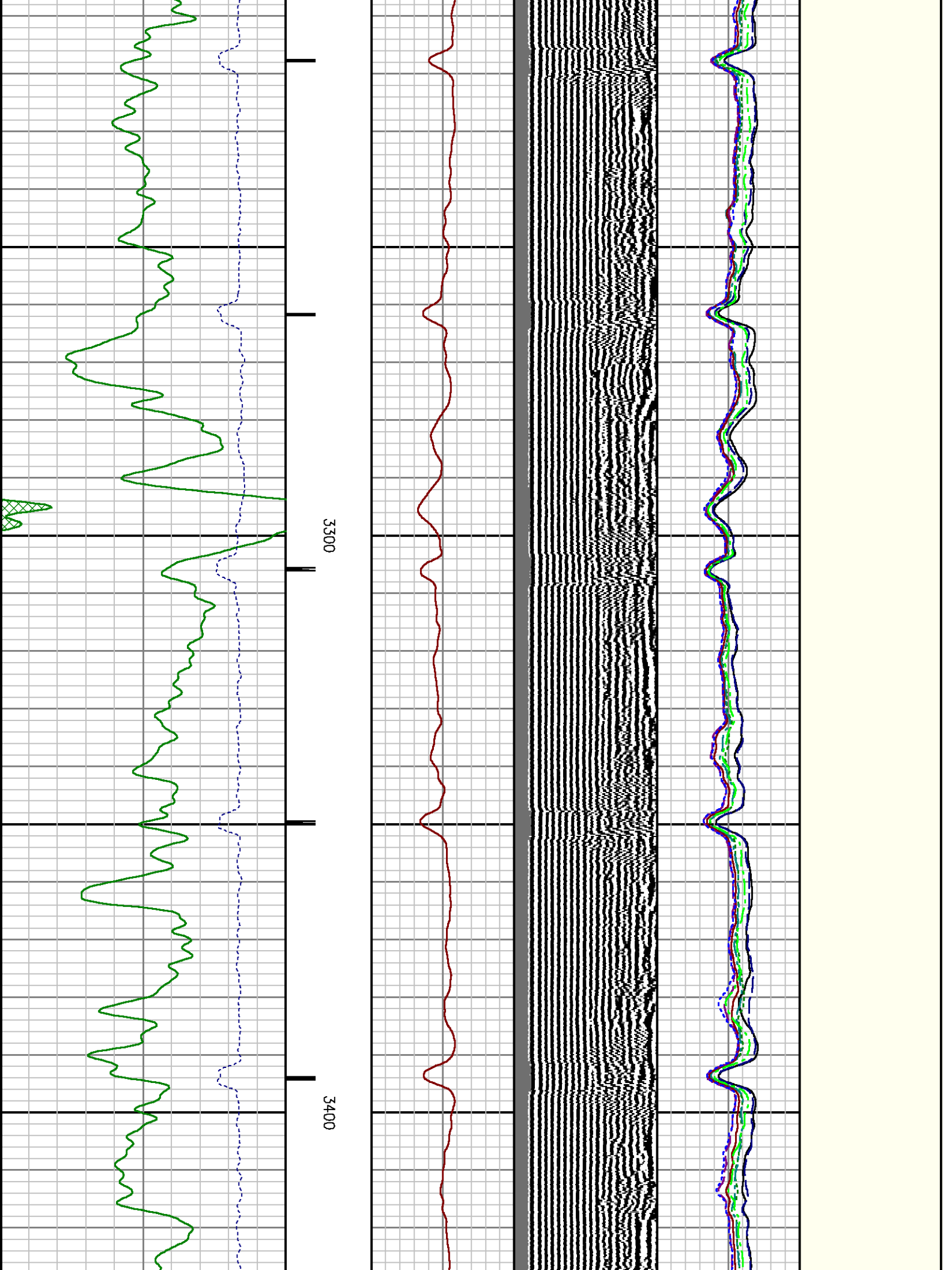


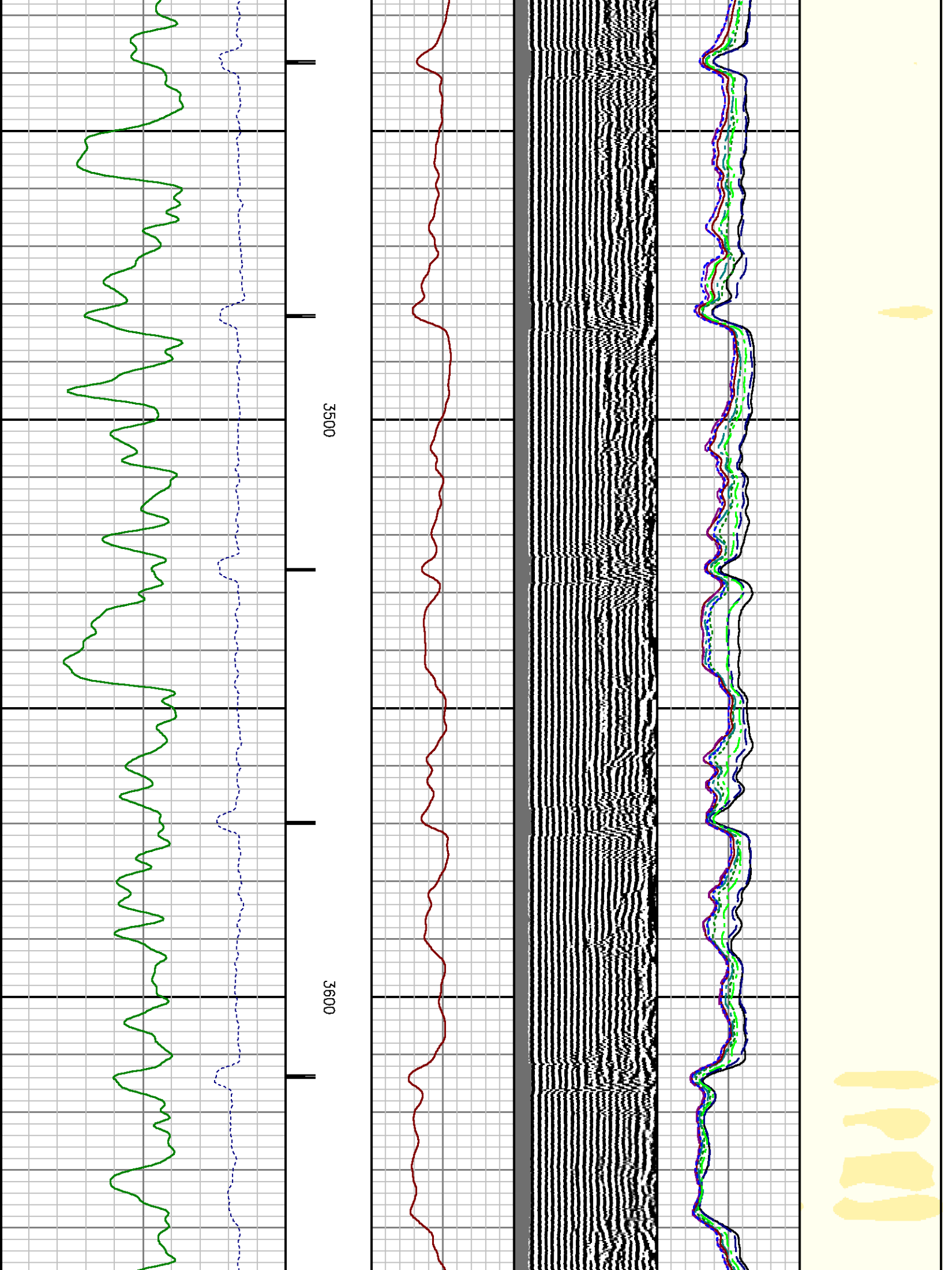


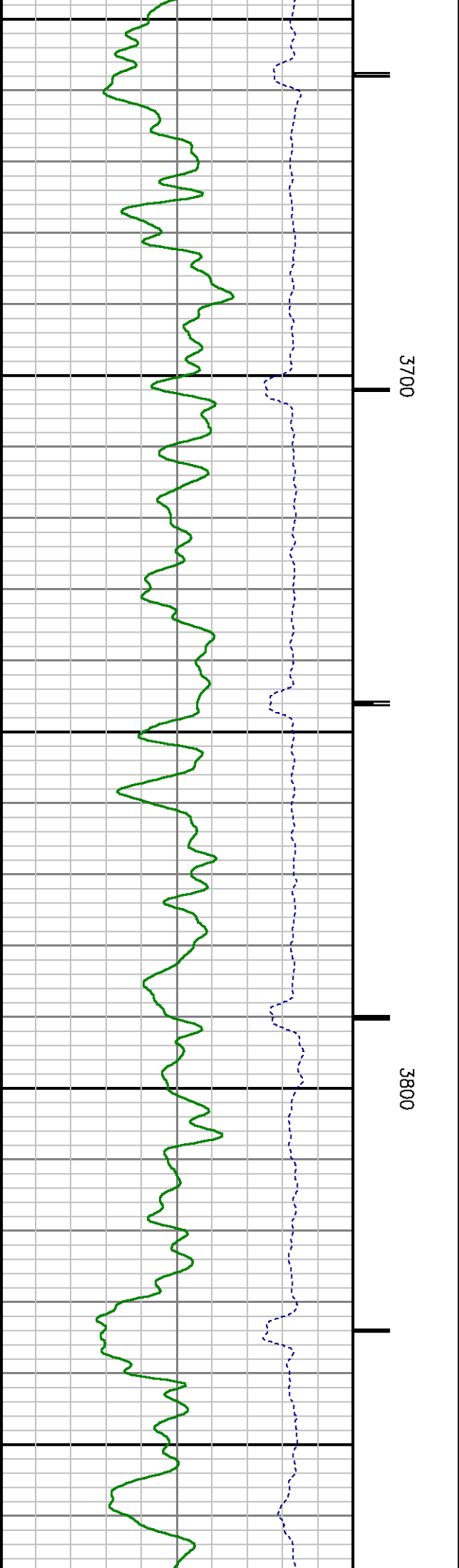
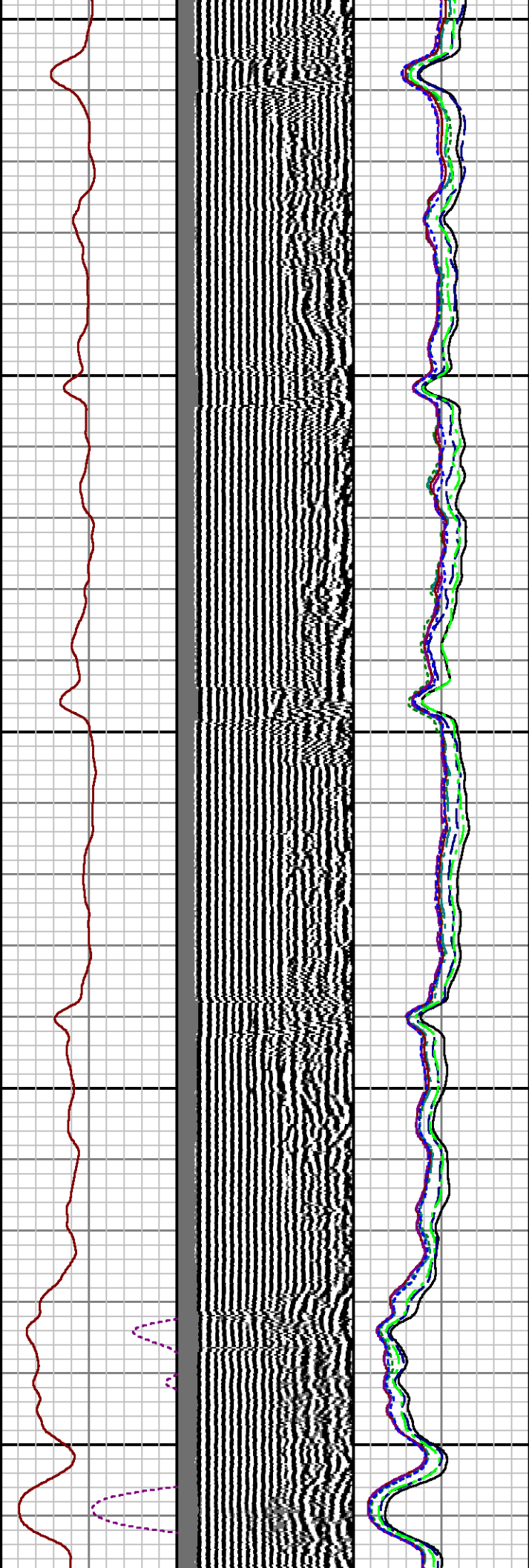
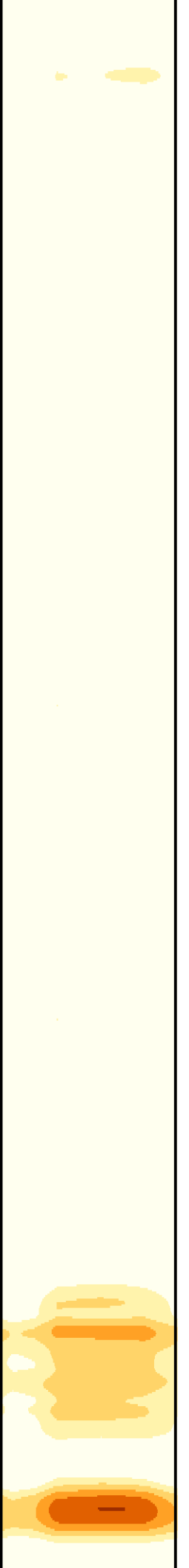


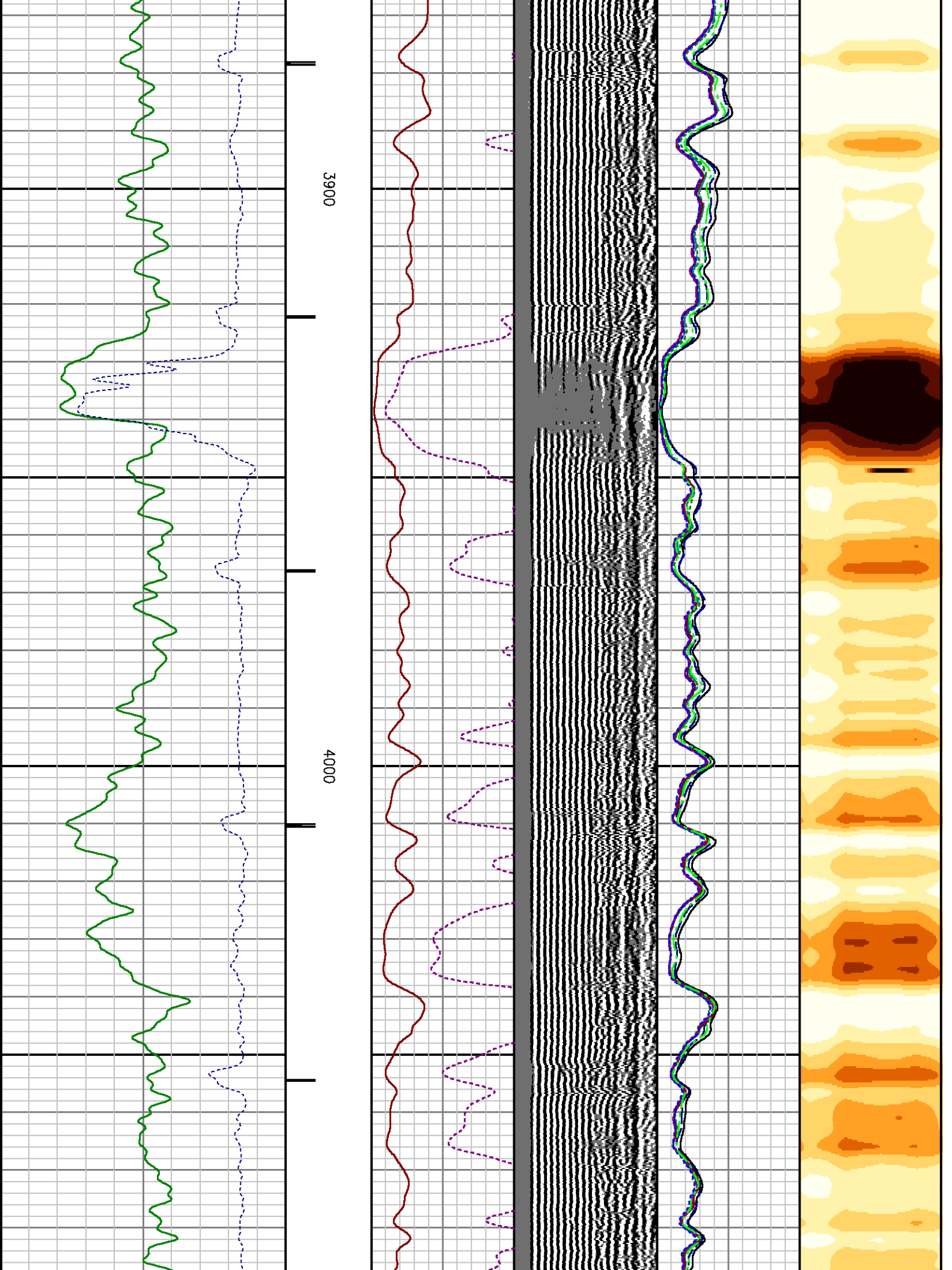


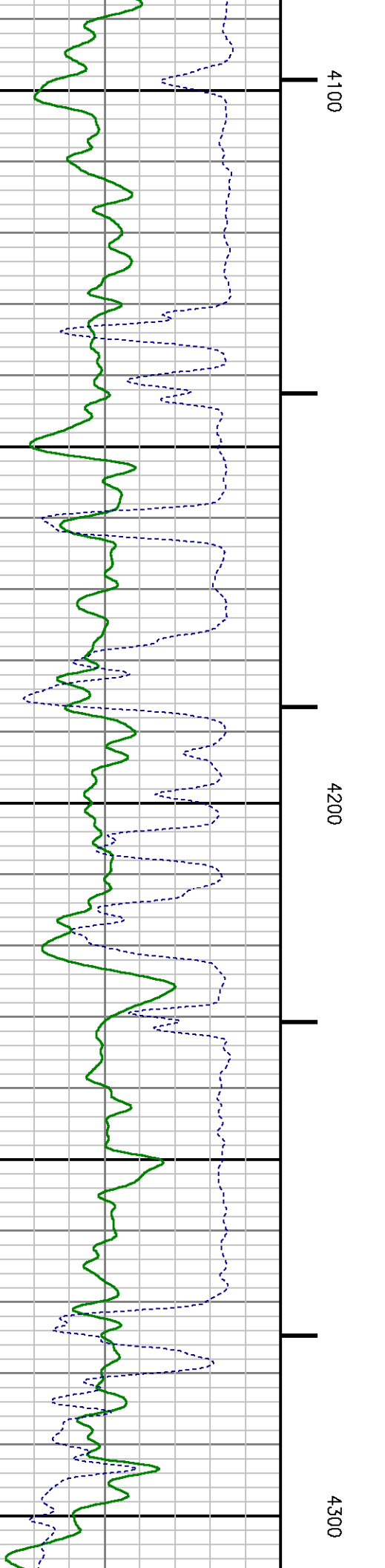
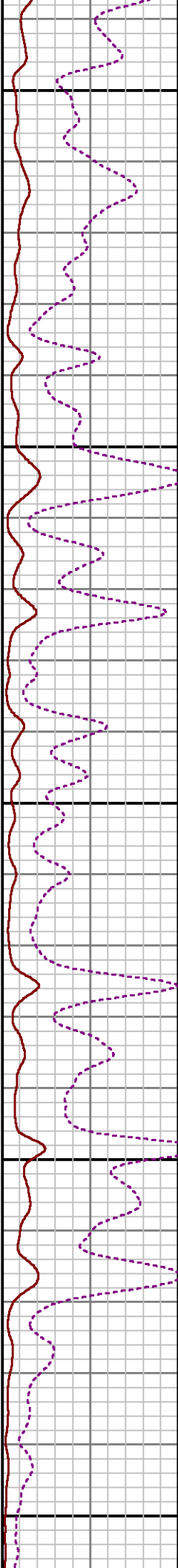
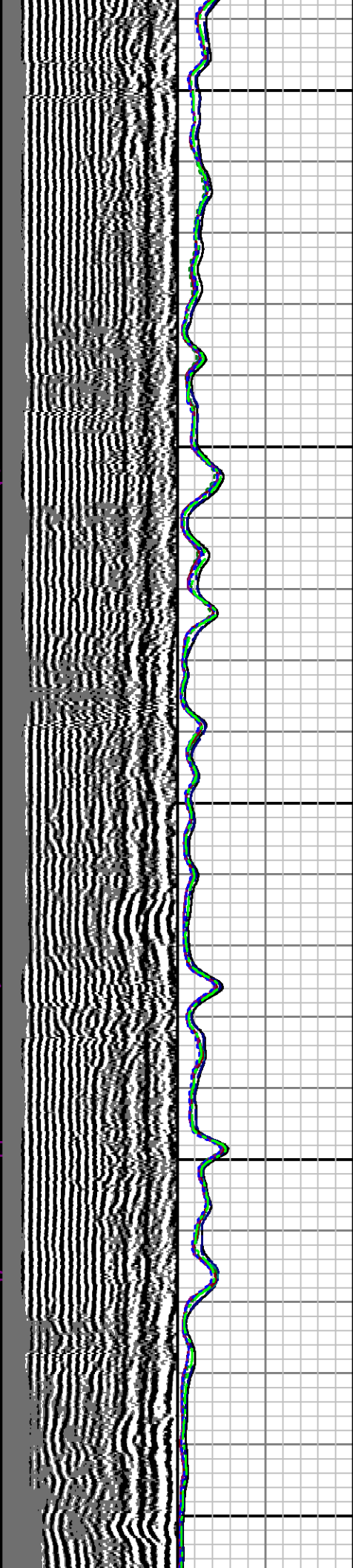


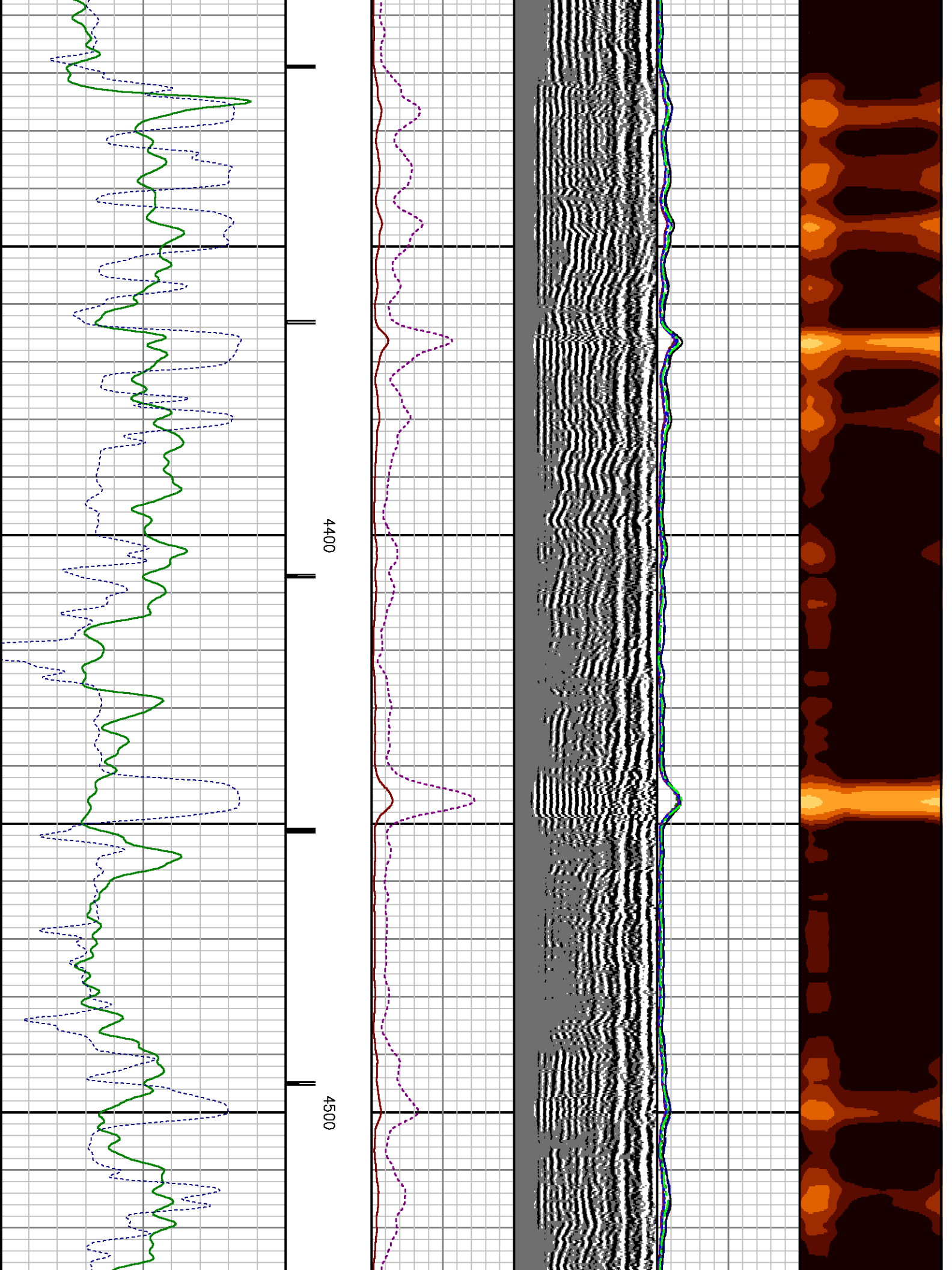


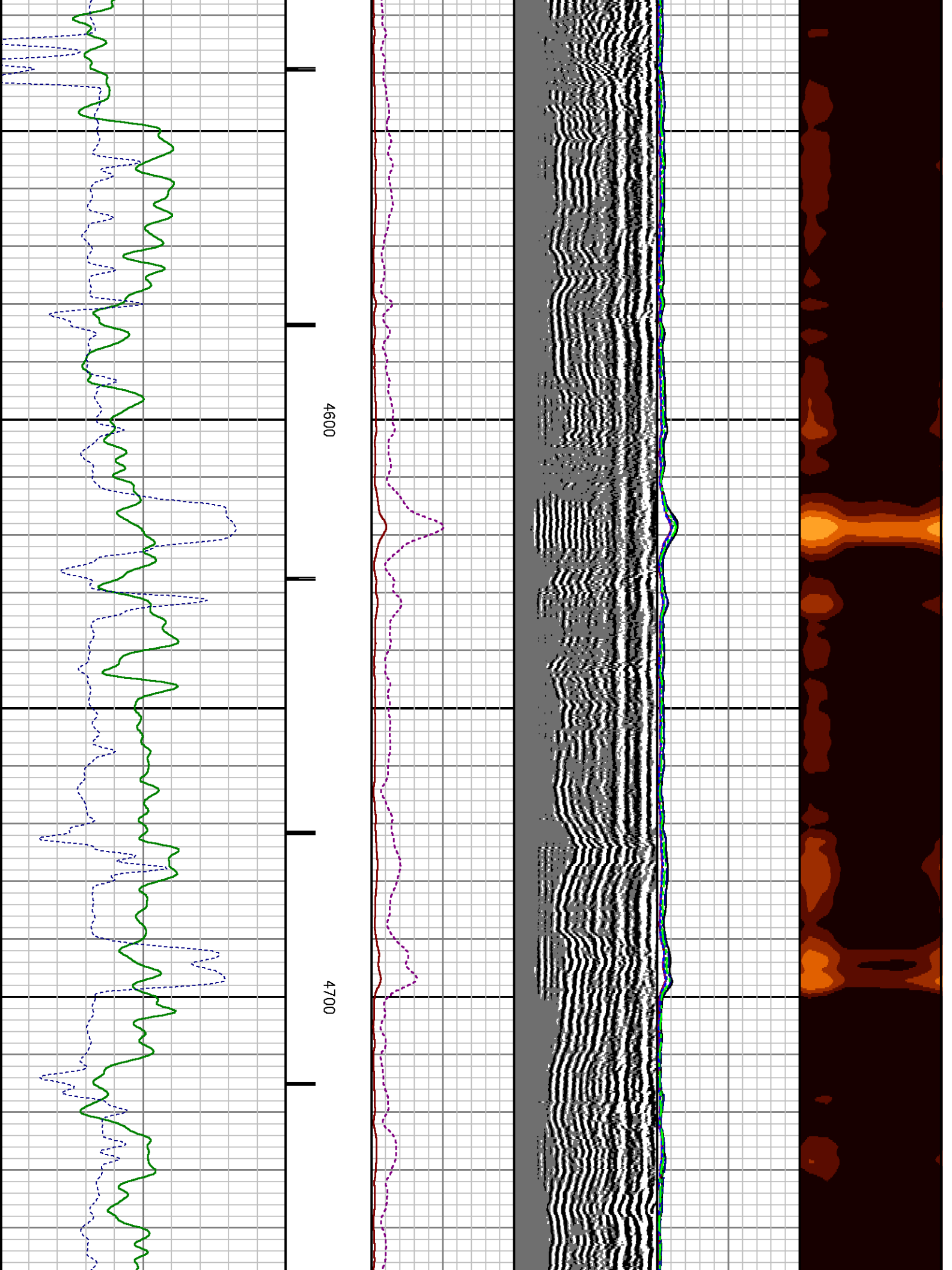


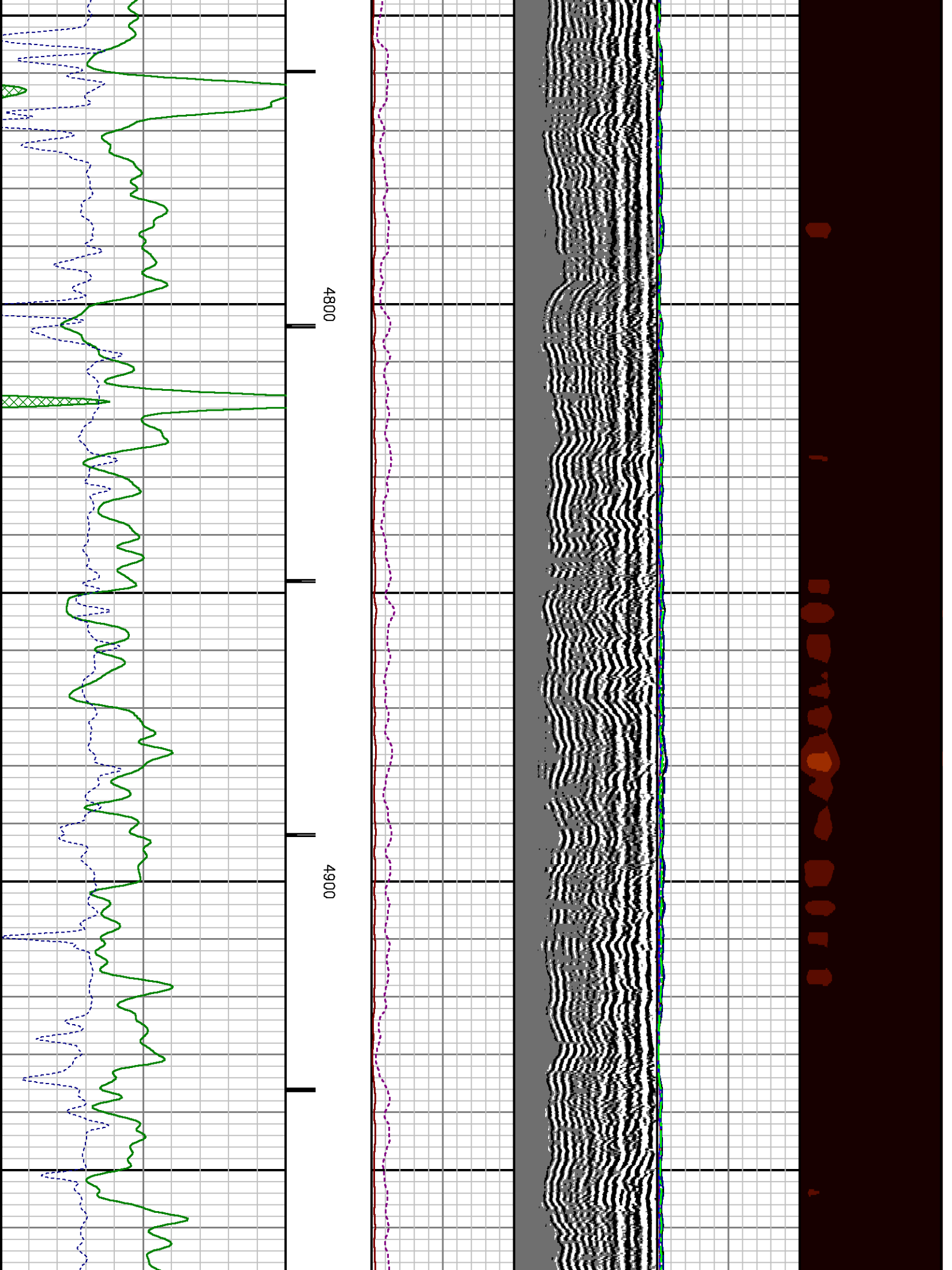


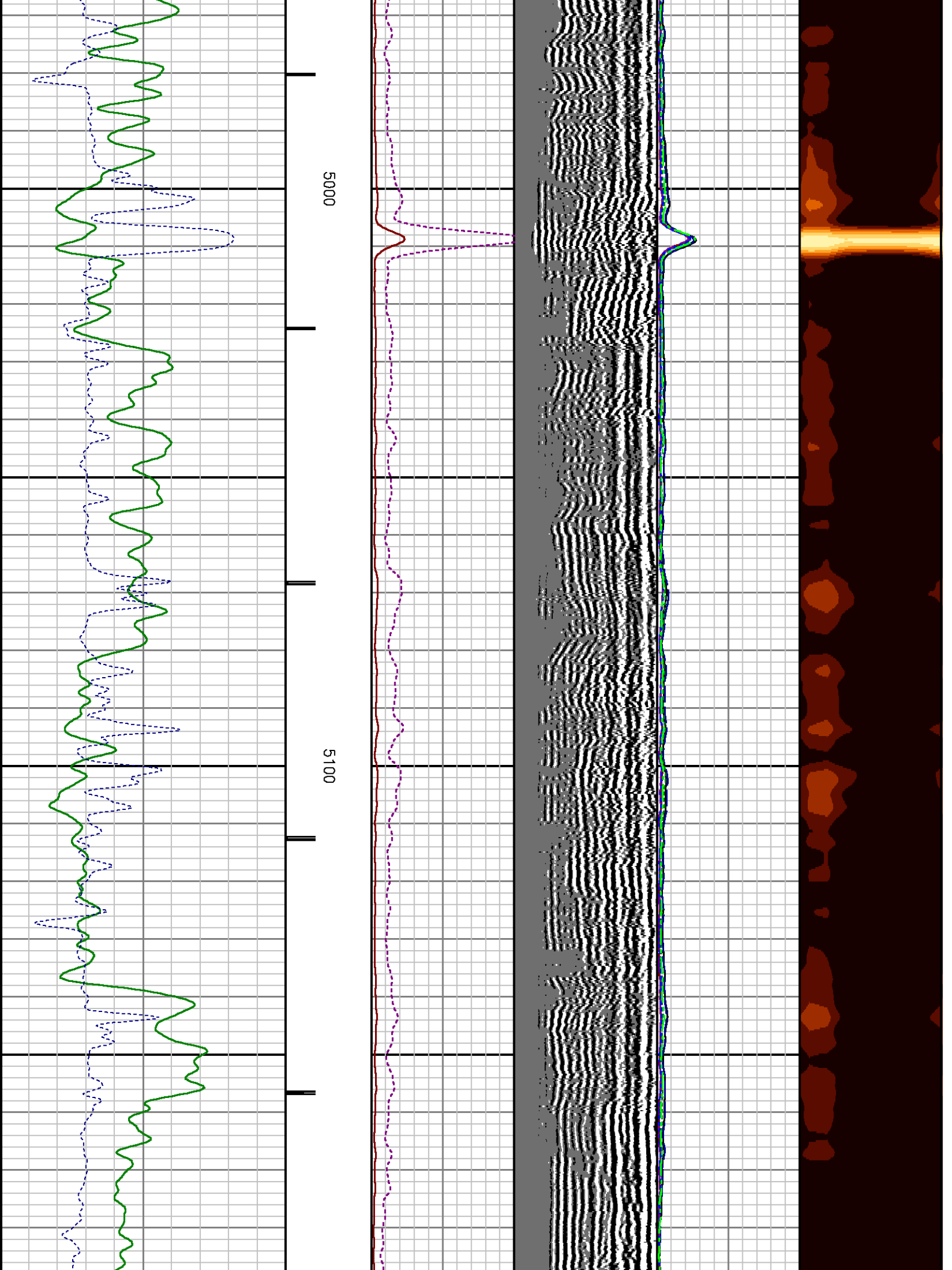


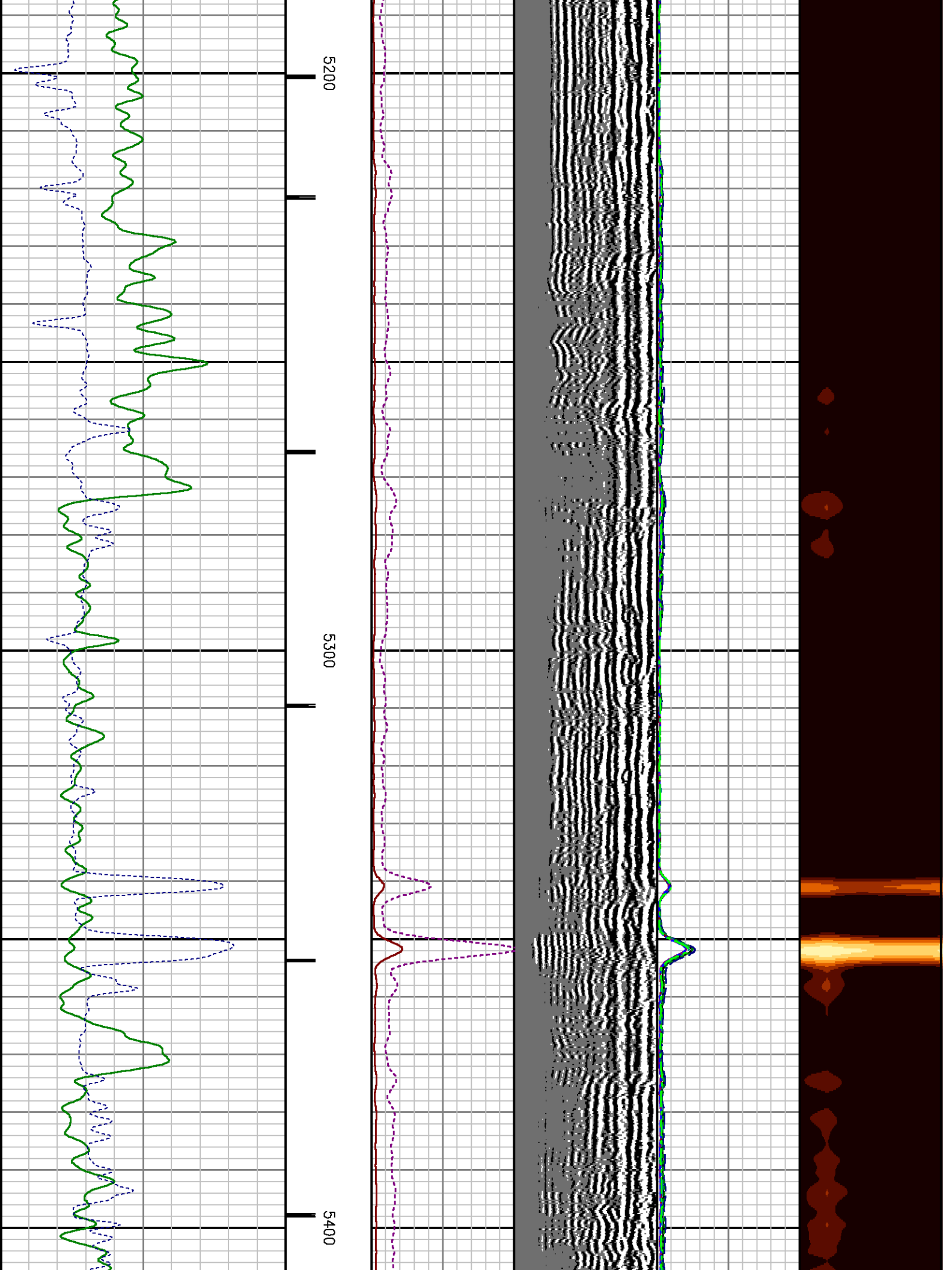


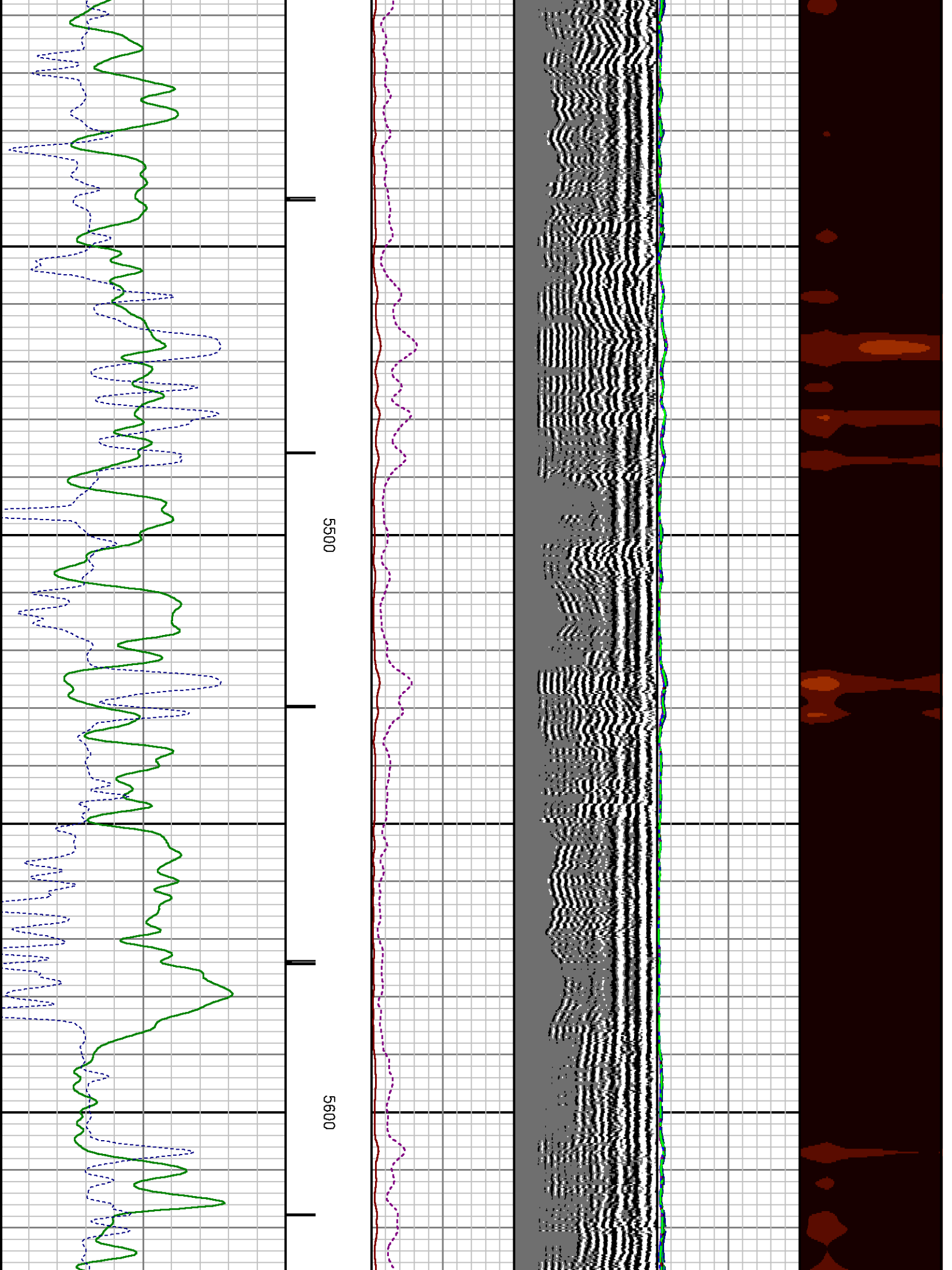


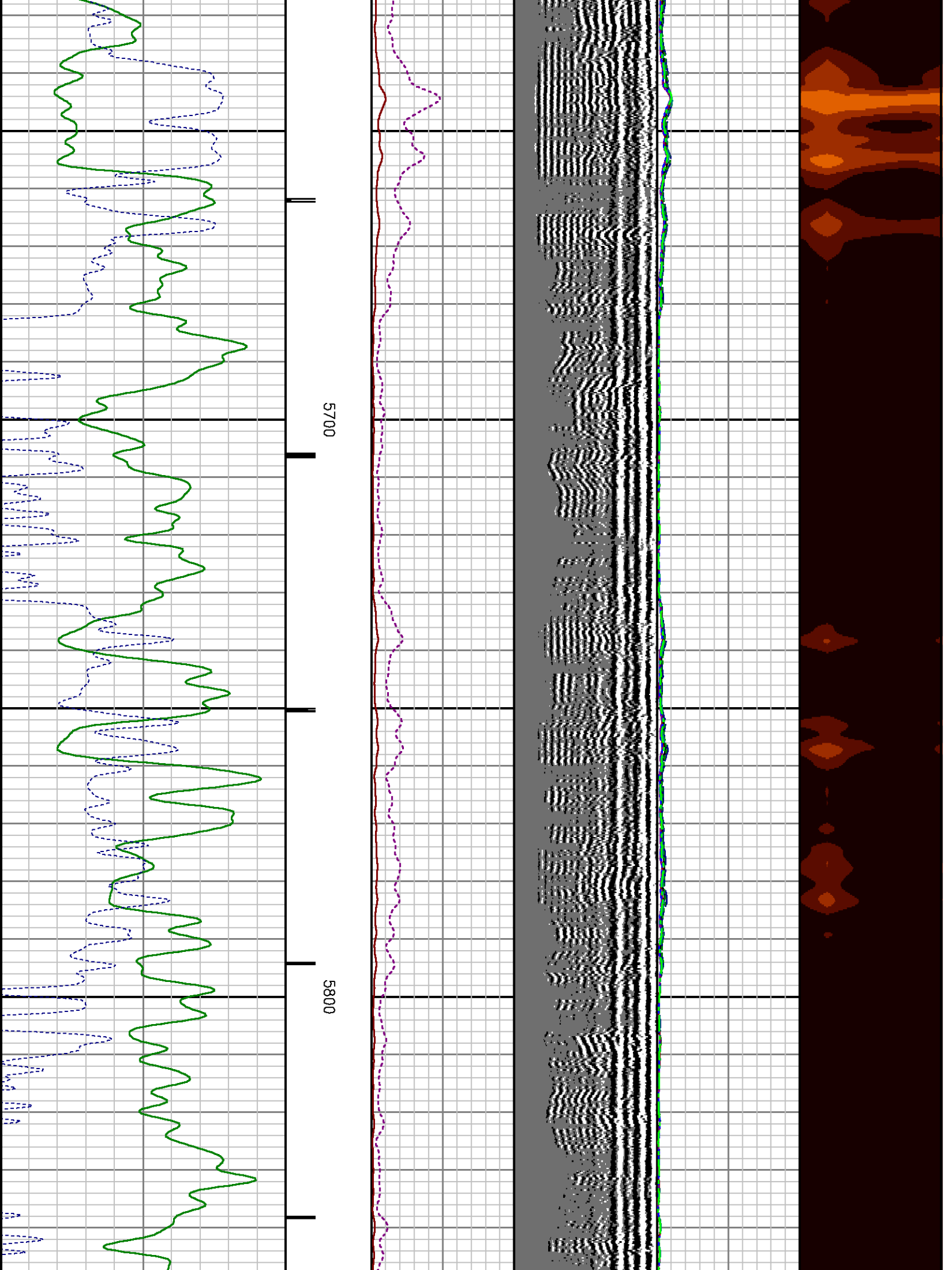


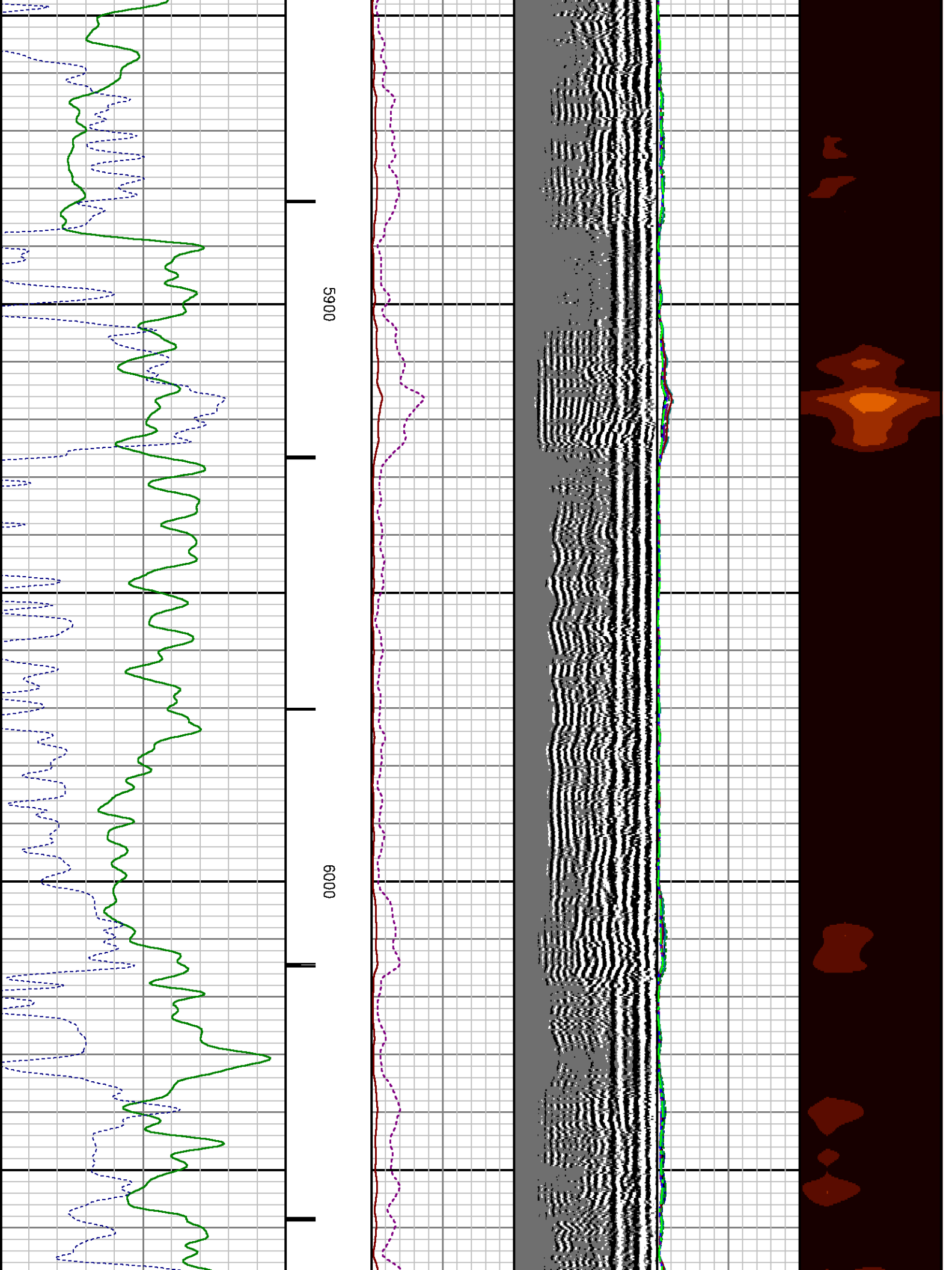


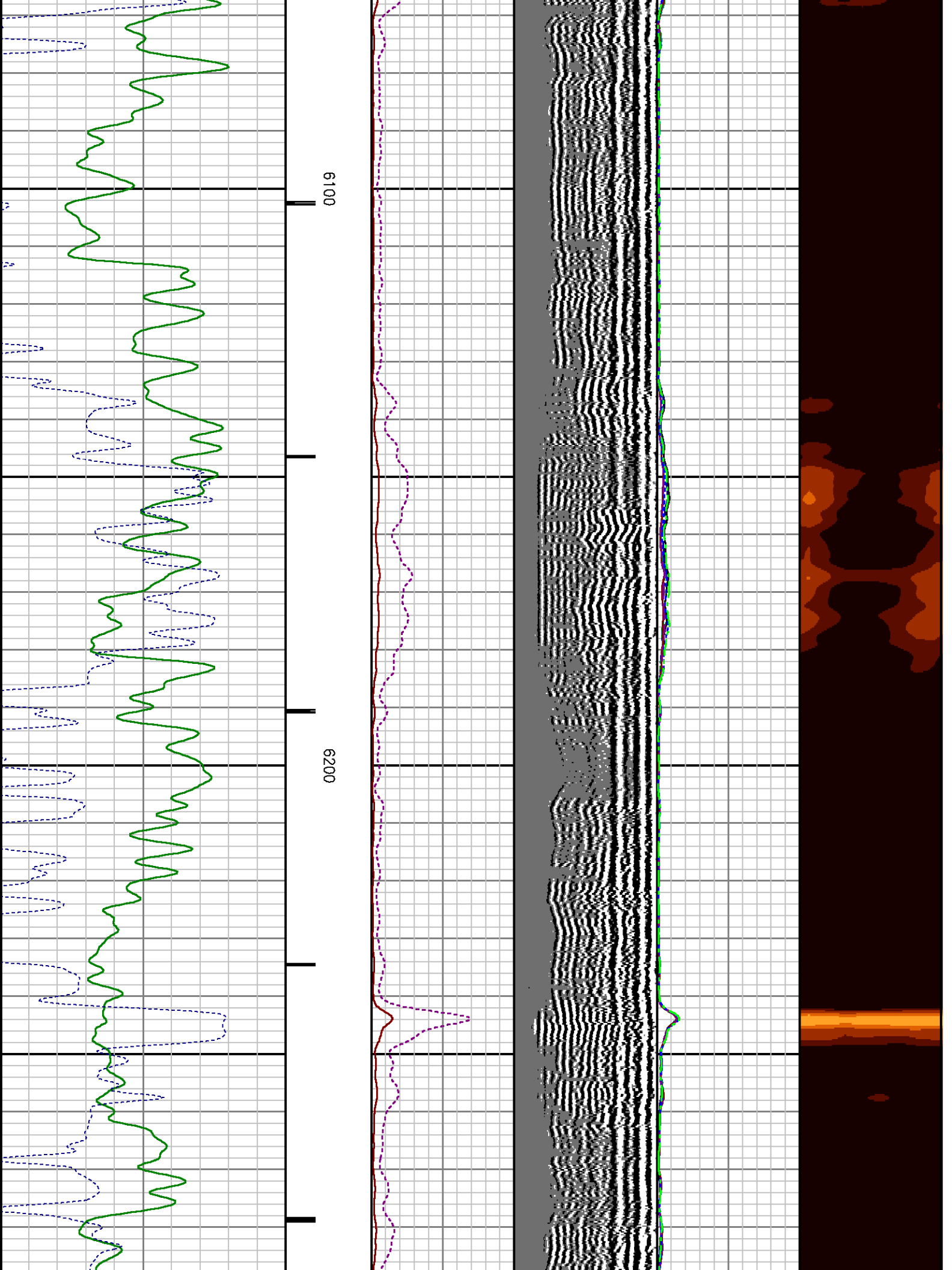


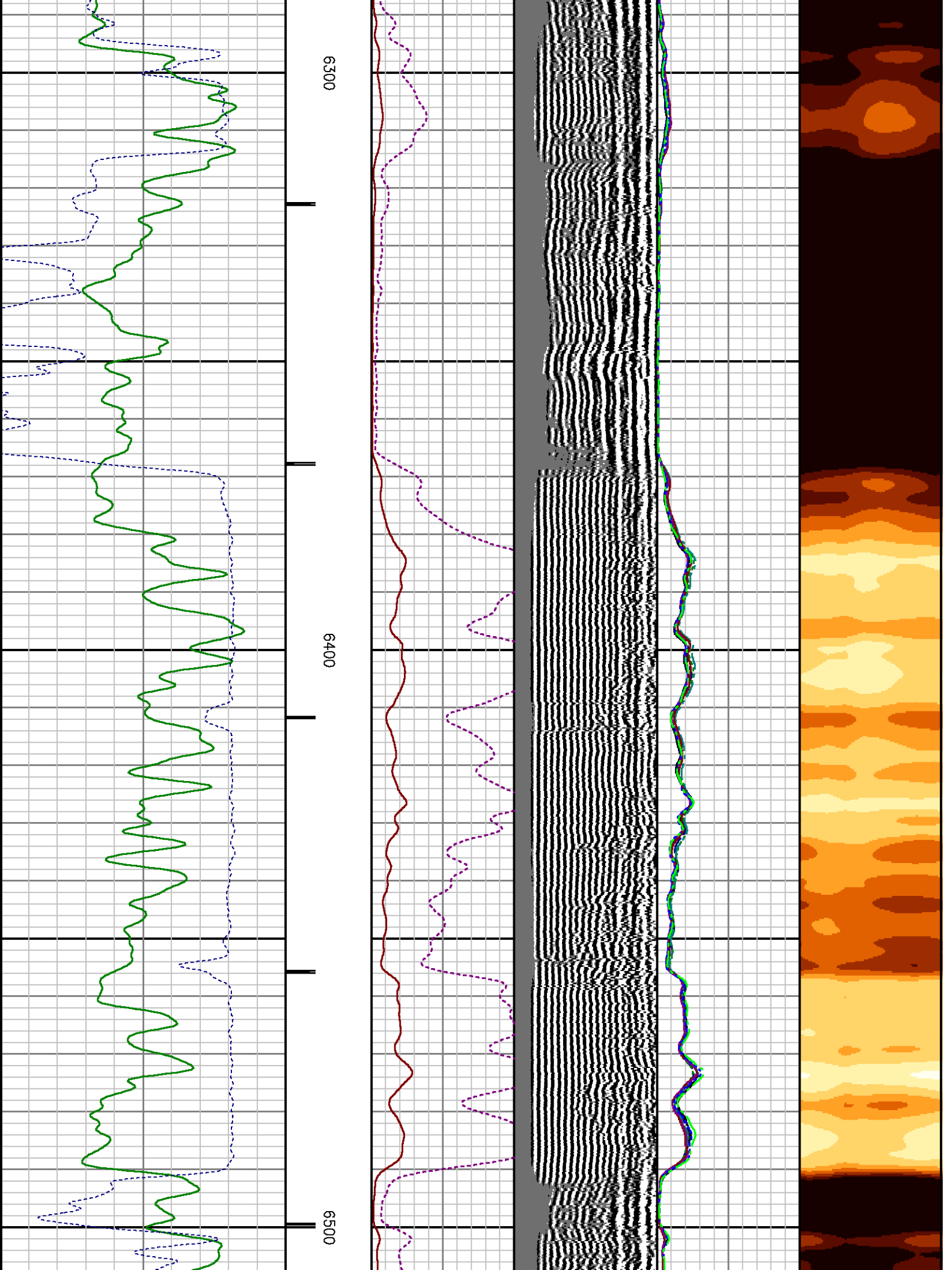


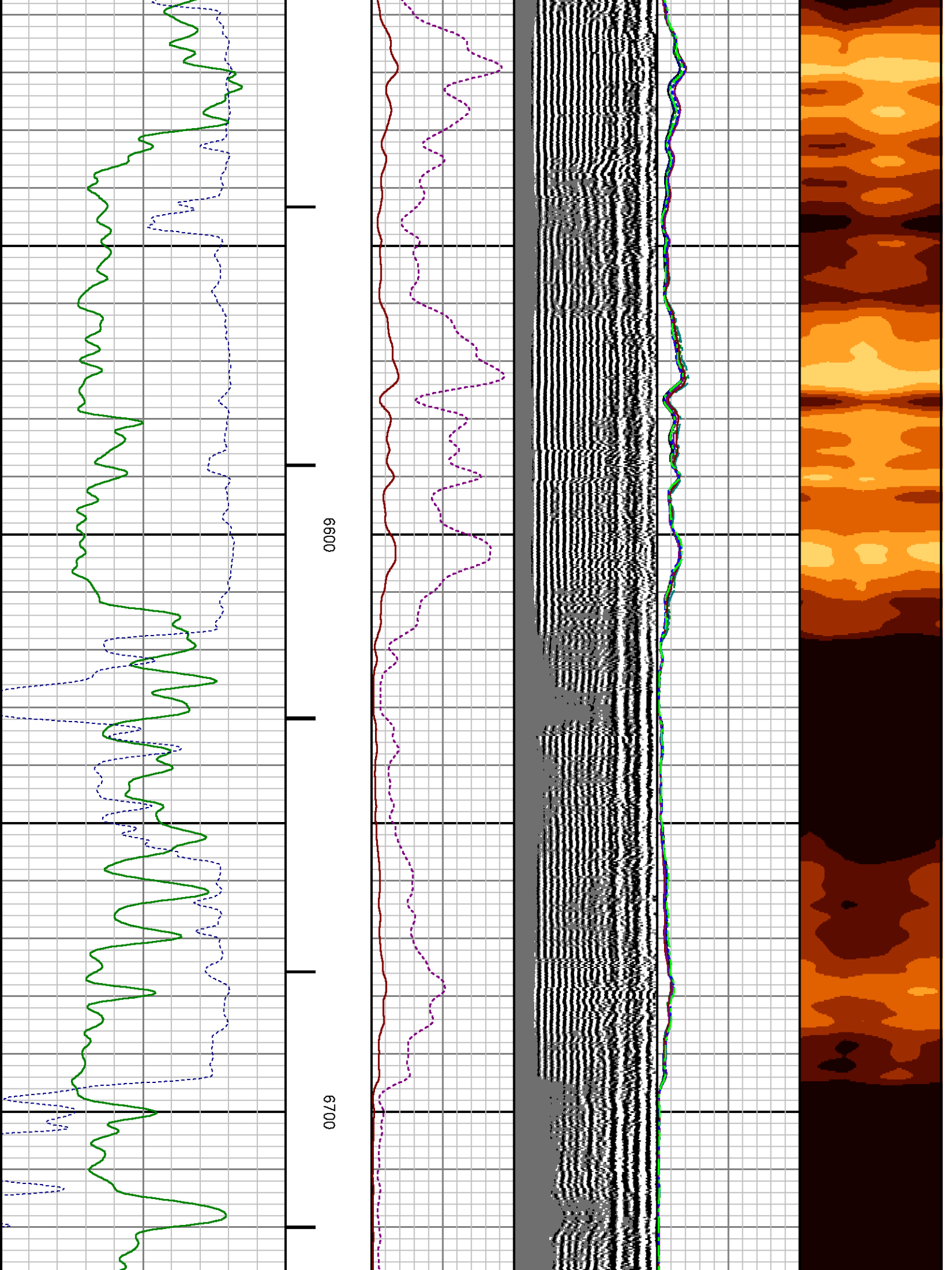


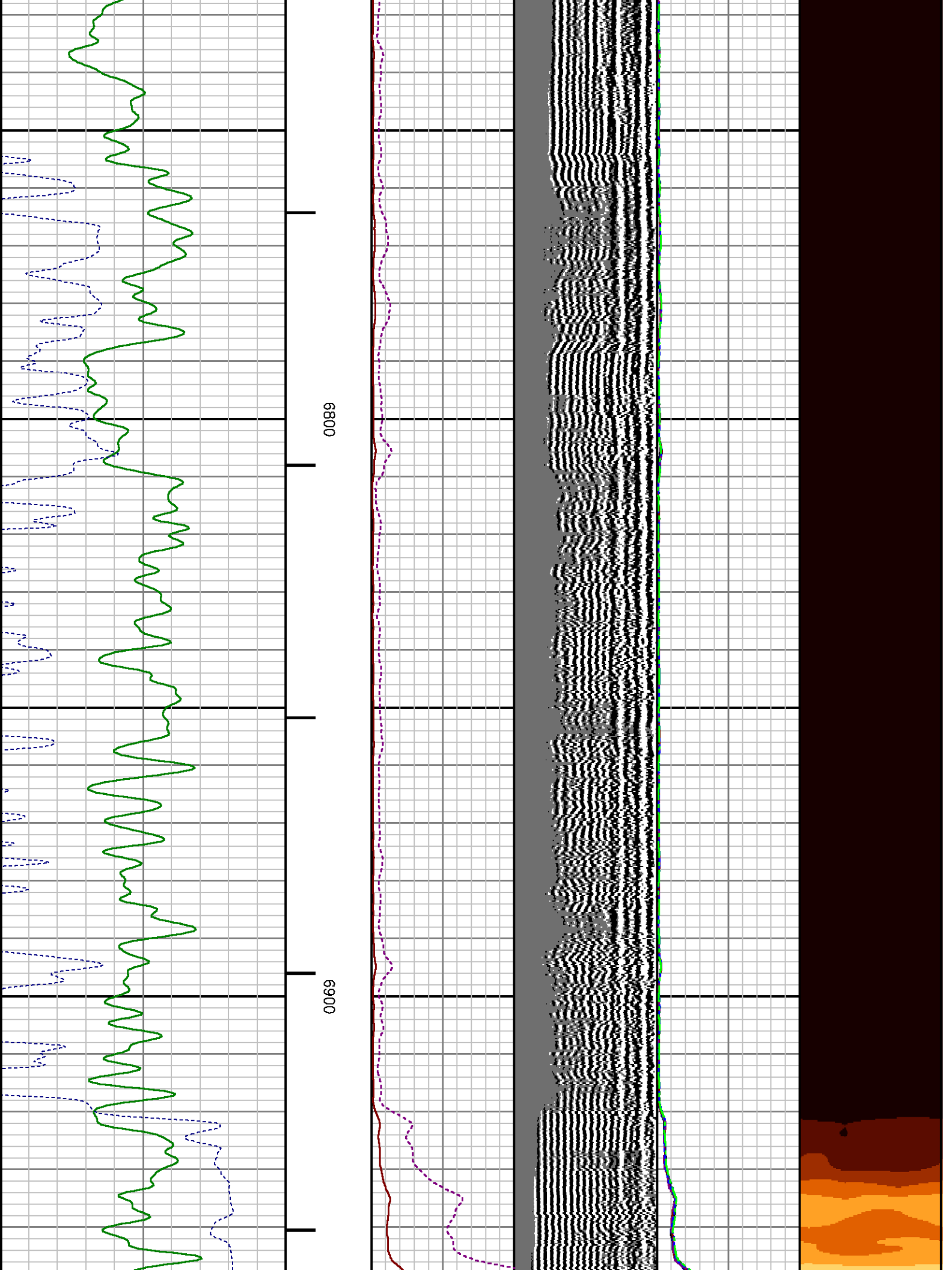


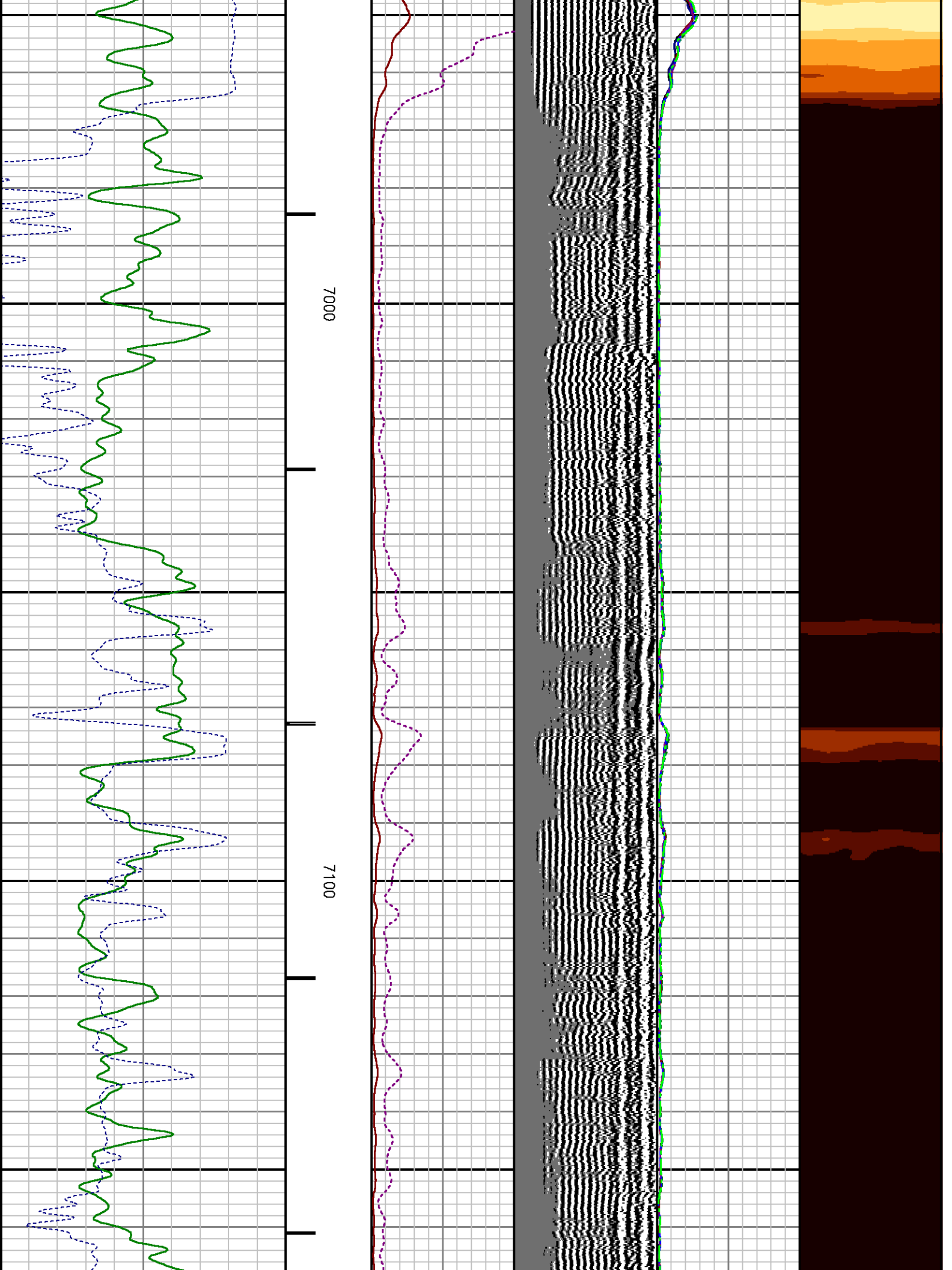


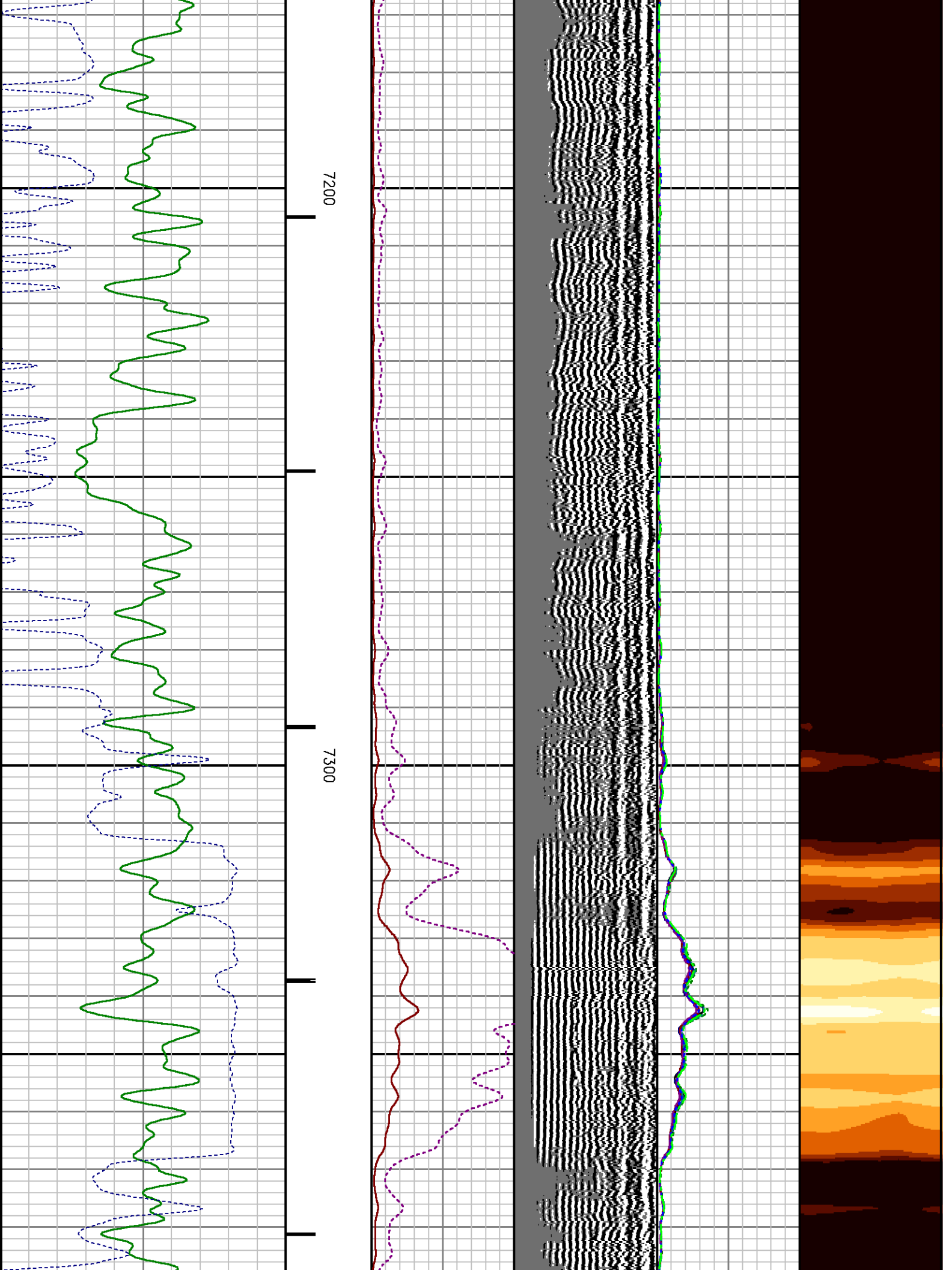


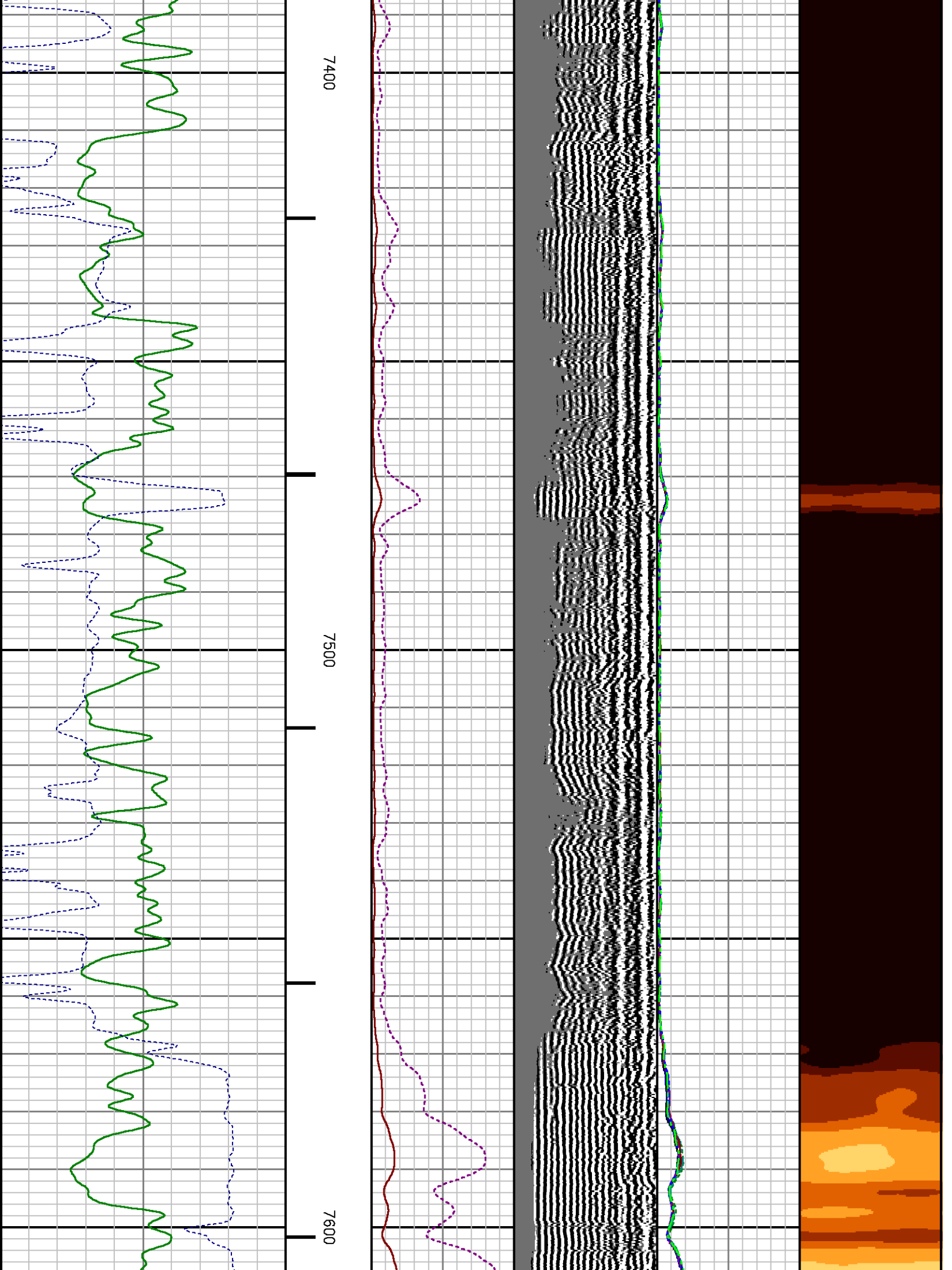


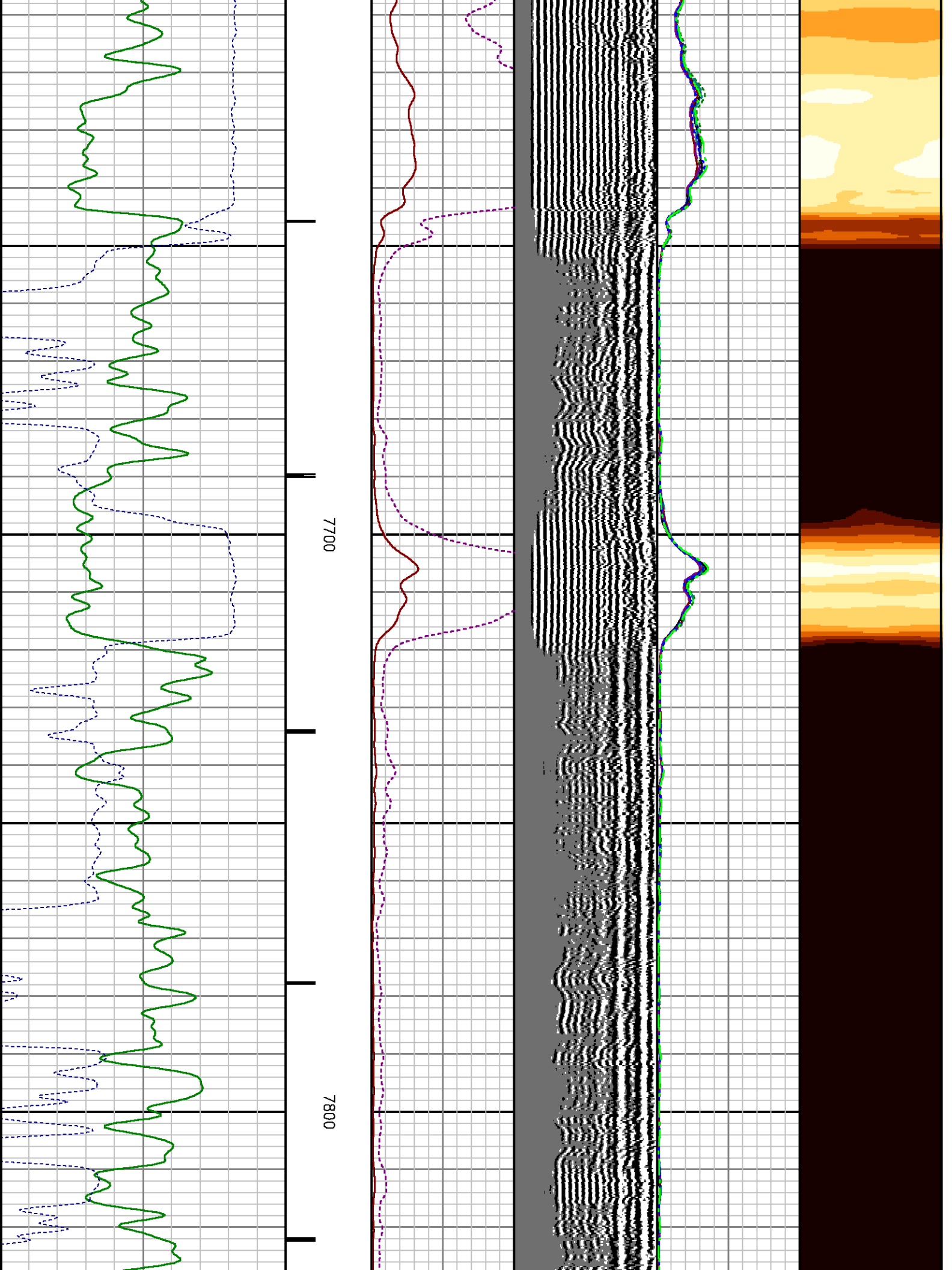


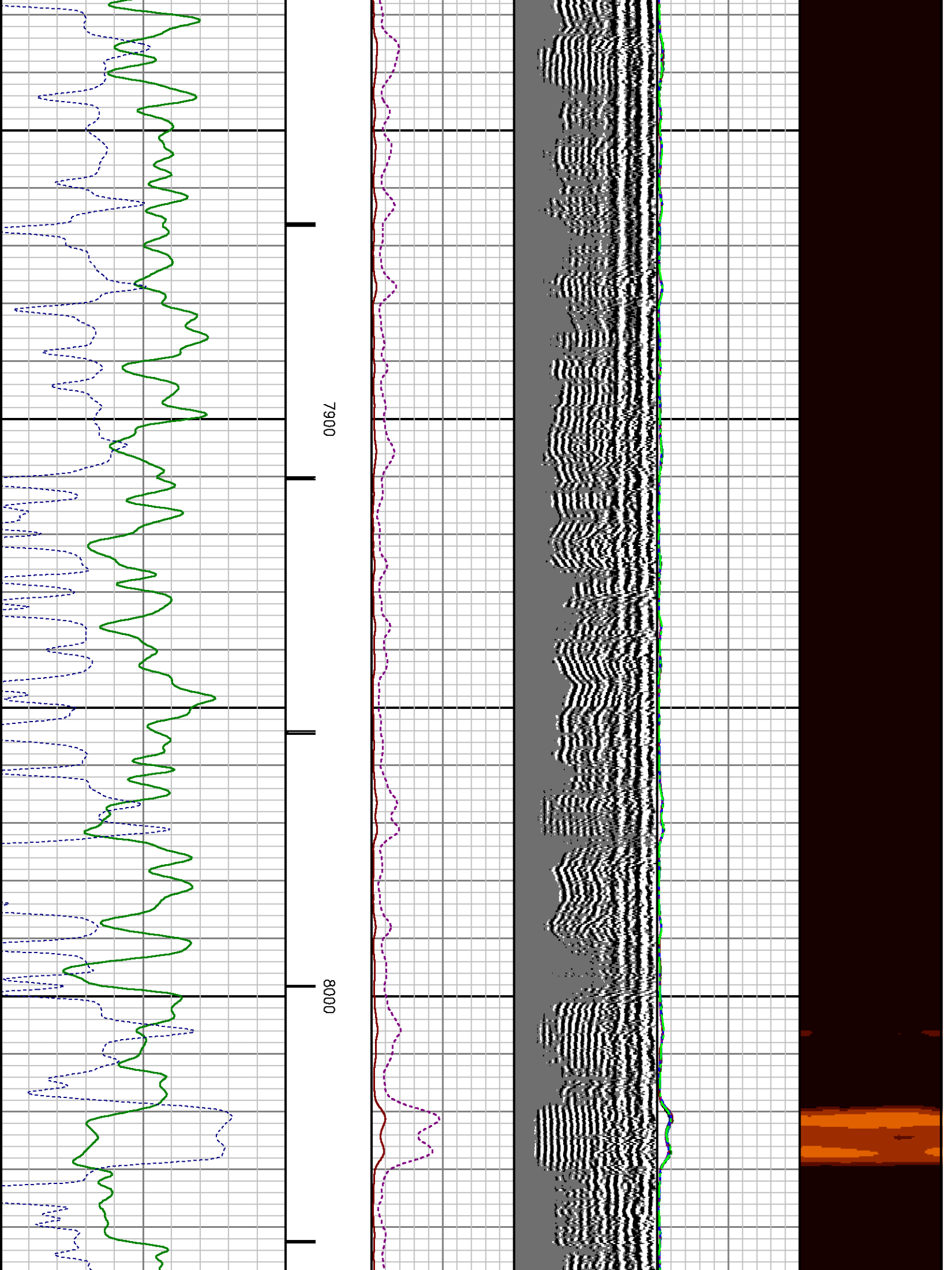


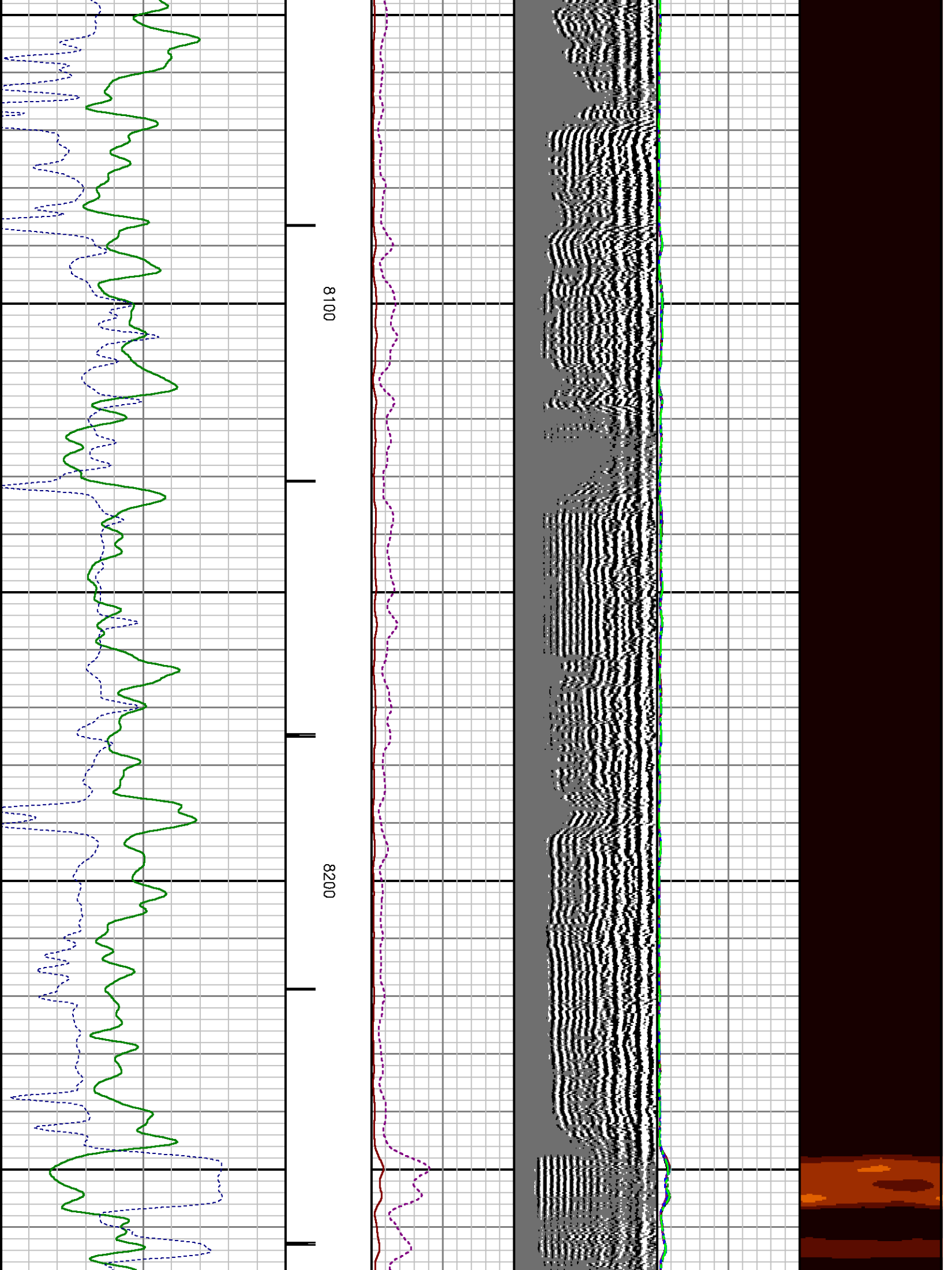


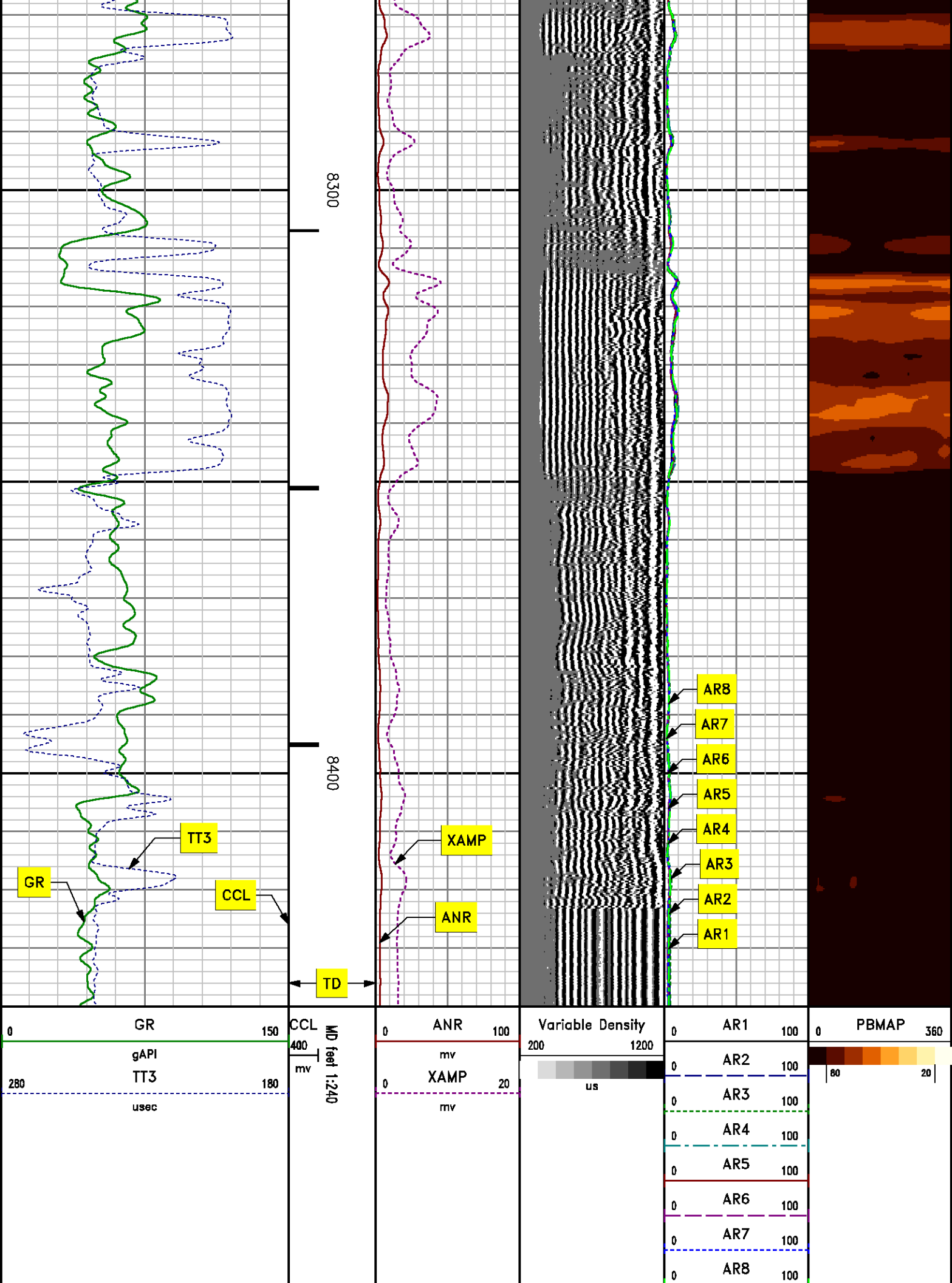












REPEAT PASS

0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	306.372	usec	8100.000	8446.000
RAL	Amp Gate Start Near	198.687	usec	8100.000	8446.000
RAL	Amp Gate Start Radial	198.687	usec	8100.000	8446.000
RAL	Amp Gate Width Far	25.000	usec	8100.000	8446.000
RAL	Amp Gate Width Near	25.000	usec	8100.000	8446.000
RAL	Amp Gate Width Radial	25.000	usec	8100.000	8446.000
RAL	casing od	4.500	inches	8100.000	8446.000
RAL	casing wt	11.600	lbm/ft	8100.000	8446.000
RAL	FB Start Far	291.900	usec	8100.000	8446.000
RAL	FB Start Near	175.391	usec	8100.000	8446.000
RAL	FB Start Radial	175.391	usec	8100.000	8446.000
RAL	FB Thresh Far	10.000	mv	8100.000	8446.000
RAL	FB Thresh Near	4.000	mv	8100.000	8446.000
RAL	FB Thresh Radial	4.000	mv	8100.000	8446.000
RAL	Fluid Travel Time	200.000	usec/ft	8100.000	8446.874

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

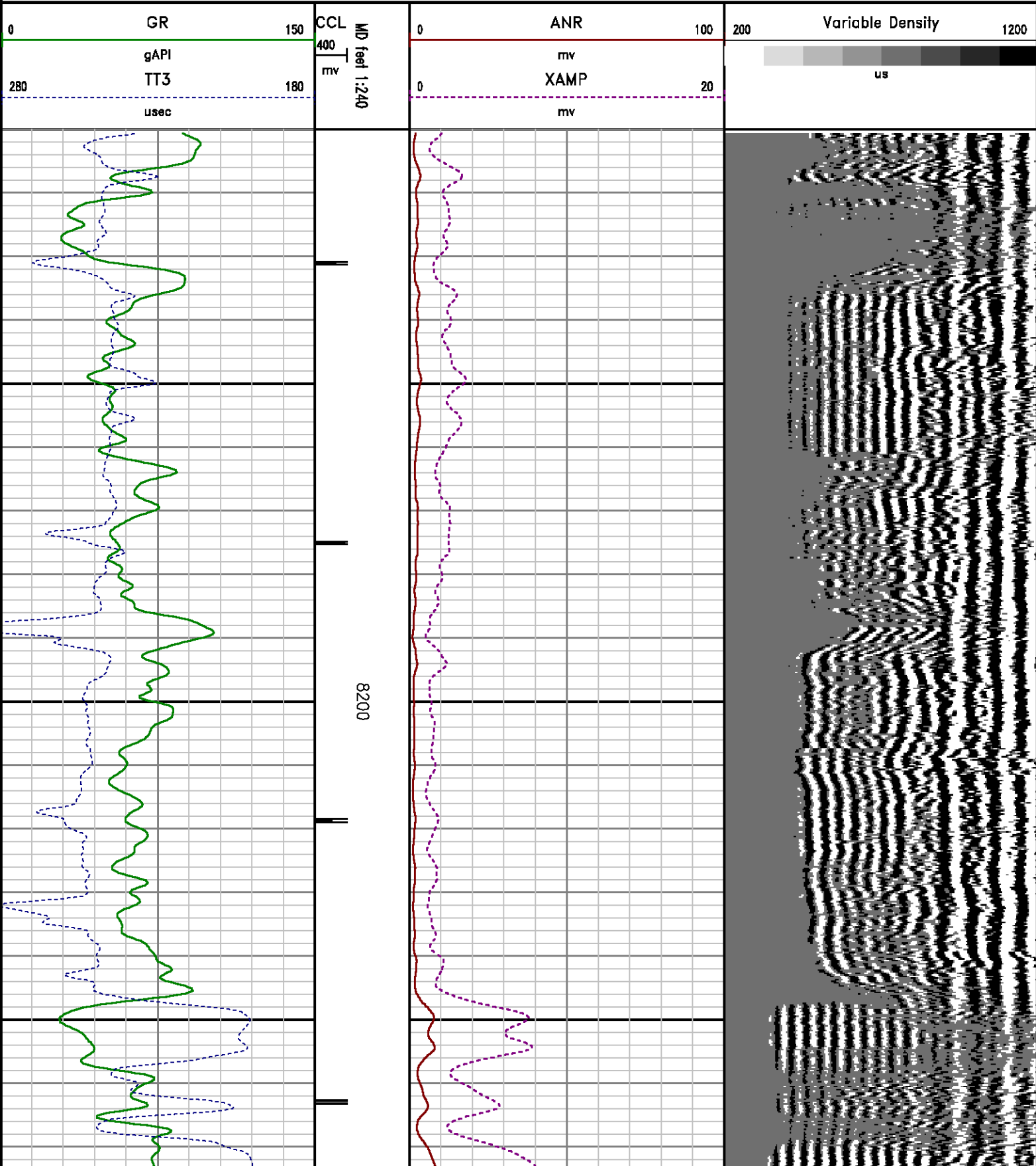
Well : GOLDSBOROUGH PA 11-11

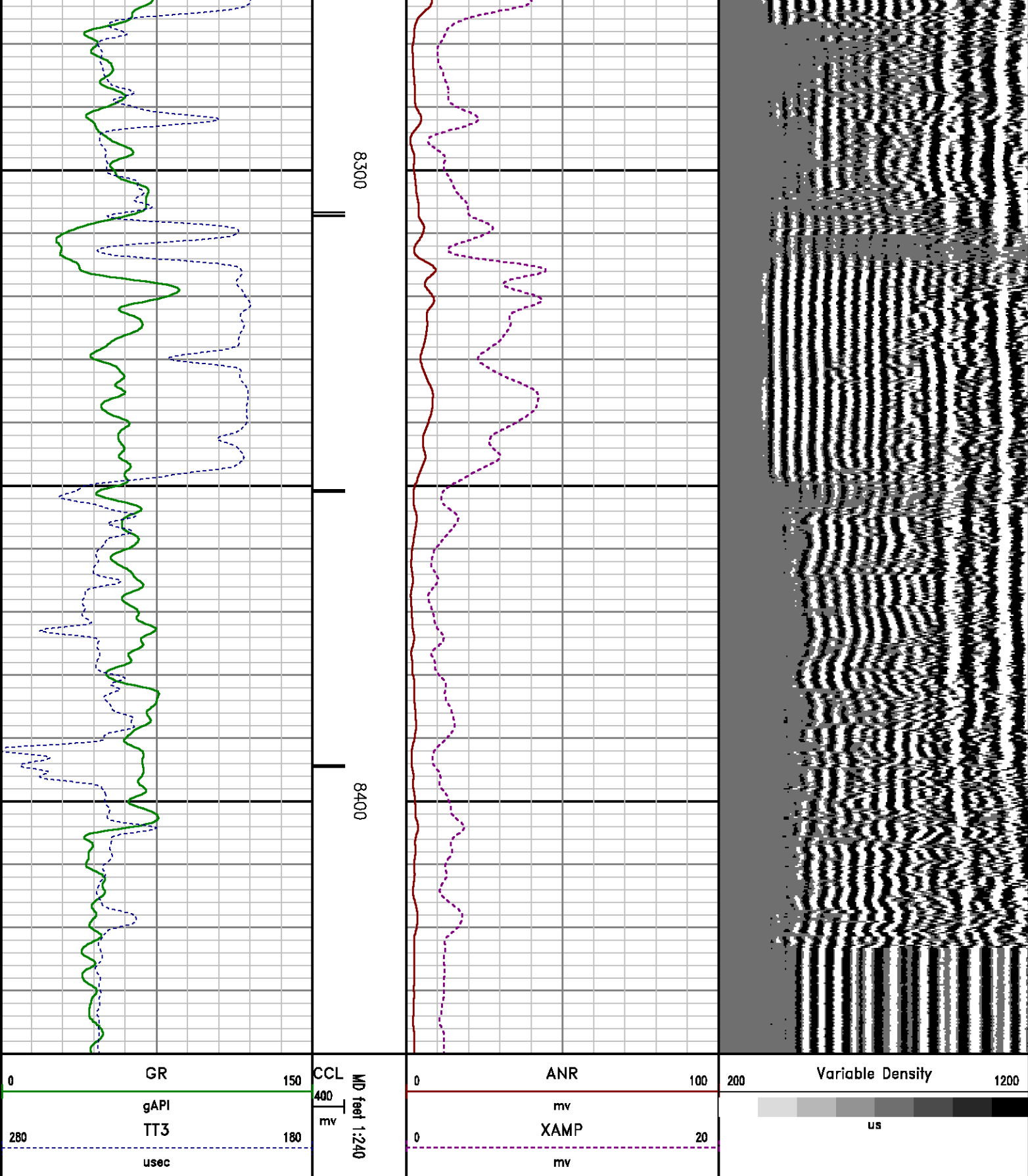
File Name : d:\welldata\11cbl\repeat_rdrd.xtf

Mode : PlotMgr 5.4.504

Interval : 8110.00 - 8440.00 feet UP

Created : 4/26/2013 12:35:01 PM





CALIBRATION SUMMARY

RALSHP

Shop Calibration: C:\case\calver\RALSHP\106A26_shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Fri Apr 26 12:11:45 2013 TOOL SERIES: 1426XA ASSET: 106 SEQ: A26

Tool Delay [usec] -58.00 Tank OD In 5.50 Tank Wt lbm/ft 15.50 Tank ID In 4.95

RECEIVER	Travel Time [usec]	Amp. Gate Start [usec]	Amp. Gate Width [usec]	Zero Gate Start [usec]	Zero Gate Width [usec]	Zero Amp. [mV]	Amp Ref. [mV]	Shop Factor
CAL Pulse	218	216	30	166	25	-0.210	100.00	0.18
3 Ft. Receiver	218	216	30	166	25	-1.277	100.00	0.17
5 Ft. Receiver	326	323	30	261	25	-0.145	150.00	0.19
Radial #1	218	216	30	166	25	-1.559	100.00	0.17
Radial #2	218	216	30	166	25	-1.637	100.00	0.17
Radial #3	218	216	30	166	25	-1.733	100.00	0.17
Radial #4	218	216	30	166	25	-2.214	100.00	0.17
Radial #5	218	216	30	166	25	-1.970	100.00	0.18
Radial #6	218	216	30	166	25	-1.824	100.00	0.18
Radial #7	218	216	30	166	25	-1.647	100.00	0.18
Radial #8	218	216	30	166	25	-1.552	100.00	0.18

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\106A26 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Fri Apr 26 12:13:16 2013 TOOL SERIES: 1426XA ASSET: 106 SEQ: A26

Tool Delay [usec] -58.00 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	-0.037	0.000	1.01	100.000
3 Ft. Receiver	200	30	-0.698			
5 Ft. Receiver	317	30	-0.971			
Radial #1	200	30	-1.811			
Radial #2	200	30	-1.265			
Radial #3	200	30	-1.060			
Radial #4	200	30	-1.150			
Radial #5	200	30	-0.897			
Radial #6	200	30	-0.807			
Radial #7	200	30	-0.731			
Radial #8	200	30	-0.730			

GAMMA RAY

Calibration File: C:\case\calver\GR\209A1.cal

CALIBRATION SUMMARY

DATE/TIME PERFORMED:	Thu Apr 11 12:00:10 2013	TOOL SERIES:	1355XA	ASSET:	209	SEQ:	A1
Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]	
S2K WA612	147.33	600.49	0.408	60.15	245.15	185.00	

Verification File: C:\case\calver\GR\209A1.VP

PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED:	Thu Apr 11 12:01:16 2013	TOOL SERIES:	1355XA	ASSET:	209	SEQ:	A1
Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]	
S2K WA612	149.69	589.51	0.408	61.11	240.67	179.56	

TOOL DIAGRAM

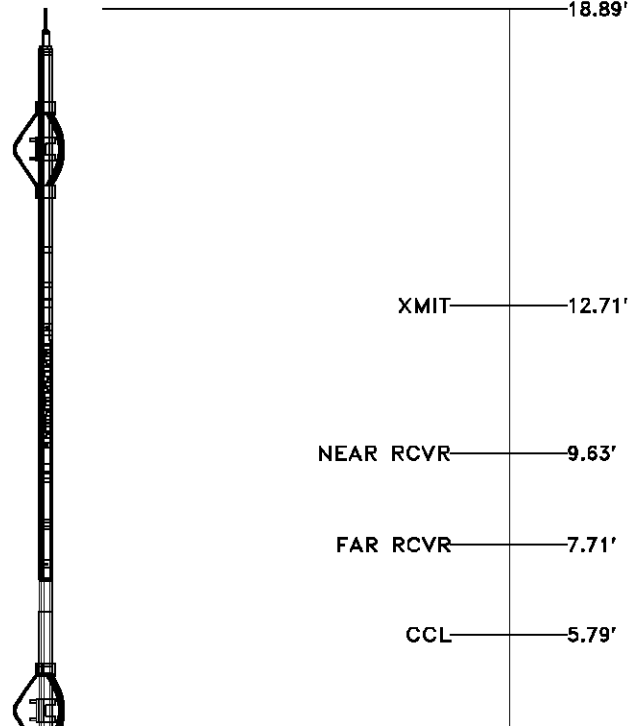
OTA SHORT CABLE HEAD

PROBE 2 3/4 DUAL RECEIVER RADII

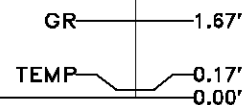
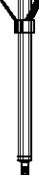
Series	1426XA
Mnemonic	PROB
Diameter	2.75"
Length	11.17'
Measure Point	0.75' FAR RCVR
Measure Point	2.67' NEAR RCVR
Measure Point	5.75' XMIT
Temp Rating	350.00 °F
Press Rating	18000.00 PSI

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 WPX ENERGY Well GOLDSBOROUGH PA 11-11 Field PARACHUTE County GARFIELD State COLORADO		File No: CH071536 API No: 05045218220000
	Location SHL: 2401' FNL & 2022' FWL SEC:11 BHL: 150' FNL & 619' FWL SEC:11 SEC 11 TWP 7S RGE 9SW	Elevations KB 6300 ft DF GL 6274 ft	11 7S 9SW PA 22-11 CYCLONE 17