



RADIAL ANALYSIS BOND LOG

Baker Atlas

File No: CH061001	Company Well	WPX ENERGY JOLLEY KP 514-9
API No: 05045190720000	Field County	KOKOPELLI GARFIELD
9 6S 91W KP 11-16 pad NABORS 574	Location SHL: 597' FWL 690' FWL SECTION 16 BHL: 223' FSL 638' FWL SECTION 9 SEC 9 TWP 6S RGE 91W	Other Services NONE
Permanent Datum	G.L. _____ Elevation 6532 ft	Elevations KB 6658 ft DF NA GL 6632 ft
Log Measured From	K.B. _____ 26 ft	
Drill Measured From	KELLY BUSHING _____	

Date	23 SEP 2012
Run	ONE
Service Order	575198
Depth Driller	7365 ft
Depth Logger	7354 ft
Bottom Logged Interval	7354 ft
Top Logged Interval	0 ft
Time Started	1000
Time Finished	1500
Operator Rig Time	5 HOURS
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	188 degF
Reference Log	BAKER HUGHES OH LOG
Reference Log Date	03 SEP 2012
Equipment No.	4271
Recorded By	JACOB STALEY
Witnessed By	MR. 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	1316 ft
7.875 In	0 ft	7365 ft

Casing Record				
Size	Weight	Grade	From	To
9.625 In	NA	NA	0 ft	1316 ft
4.5 In	NA	NA	0 ft	7365 ft

Remarks

ALL DATA WAS DEPTH SHIFTED TO MATCH THE BAKER HUGHES OH LOG DATED 03 SEP 2012
WITH A SHIFT OF +10 FT

THE DEPTH SHIFTING PROCESS MAKES COLLARS VARY FROM ACTUAL DATA

LOGGED WITH 0 PSI AT WELLHEAD

BHT = 188 DEG F

Equipment Data

Run	Trip	Tool	Series Number	Serial Number	Position
1	1	VDL	1428XA	10417452	CENT
1	1	GR/CCL	2459XA	10218503	CENT

PRIMARY PRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	303.000	usec	13.004	7344.000
RAL	Amp Gate Start Near	196.000	usec	13.004	7344.000
RAL	Amp Gate Start Radial	196.000	usec	13.004	7344.000
RAL	Amp Gate Width Far	25.000	usec	13.004	7344.000
RAL	Amp Gate Width Near	25.000	usec	13.004	7344.000
RAL	Amp Gate Width Radial	25.000	usec	13.004	7344.000
RAL	casing od	4.500	inches	13.004	7344.000
RAL	casing wt	11.600	lbm/ft	13.004	7344.000
RAL	FB Start Far	291.900	usec	13.004	7344.000
RAL	FB Start Near	175.391	usec	13.004	7344.000
RAL	FB Start Radial	175.391	usec	13.004	7344.000
RAL	FB Thresh Far	10.000	mv	13.004	7344.000
RAL	FB Thresh Near	4.000	mv	13.004	7344.000
RAL	FB Thresh Radial	4.000	mv	13.004	7344.000
RAL	Fluid Travel Time	200.000	usec/ft	13.004	7343.566

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES
1428XA	10.775	1011 1115 1211 1311 1411 1511 1611 1711 1811 1911 2011 2111 2211 2311 2411 2511 2611 2711 2811 2911 3011 3111 3211 3311 3411 3511 3611 3711 3811 3911 4011 4111 4211 4311 4411 4511 4611 4711 4811 4911 5011 5111 5211 5311 5411 5511 5611 5711 5811 5911 6011 6111 6211 6311 6411 6511 6611 6711 6811 6911 7011 7111 7211 7311 7411 7511 7611 7711 7811 7911 8011 8111 8211 8311 8411 8511 8611 8711 8811 8911 9011 9111 9211 9311 9411 9511 9611 9711 9811 9911

1426XA -16.750
 2459XA -11.340
 2459XA -9.490
 2459XA -4.090

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
 CCL
 GR
 NEU

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

Company : WPX ENERGY

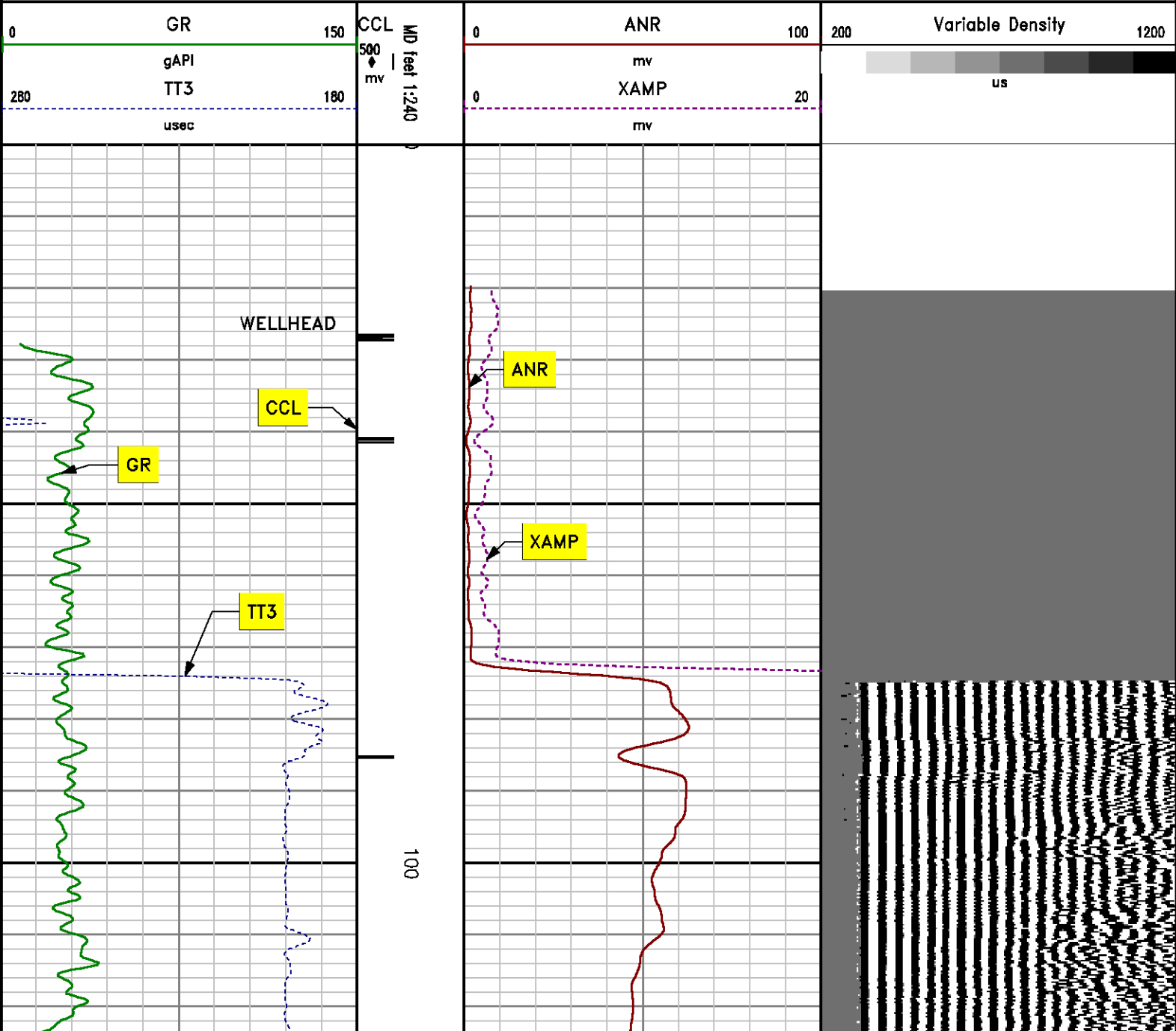
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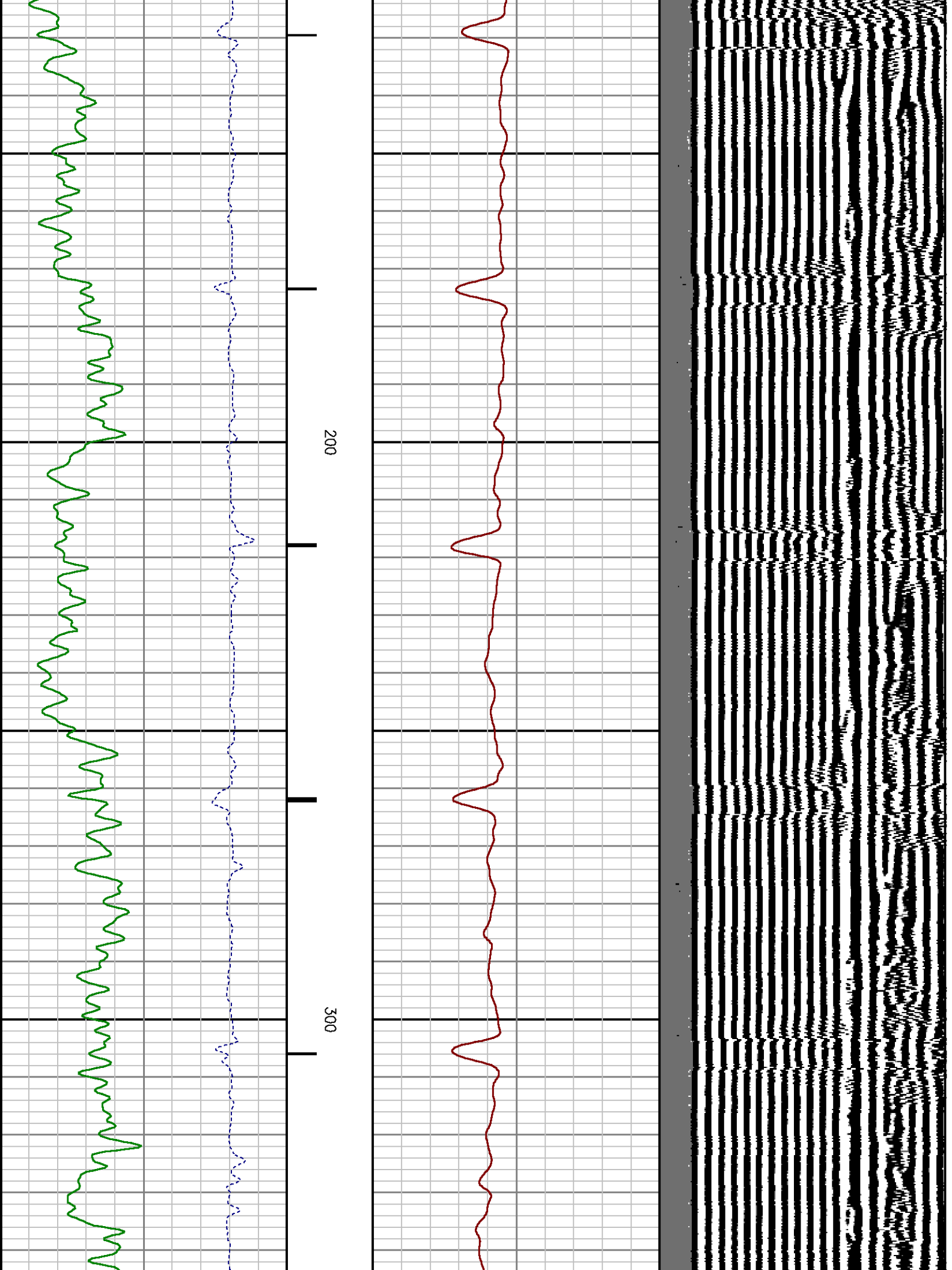
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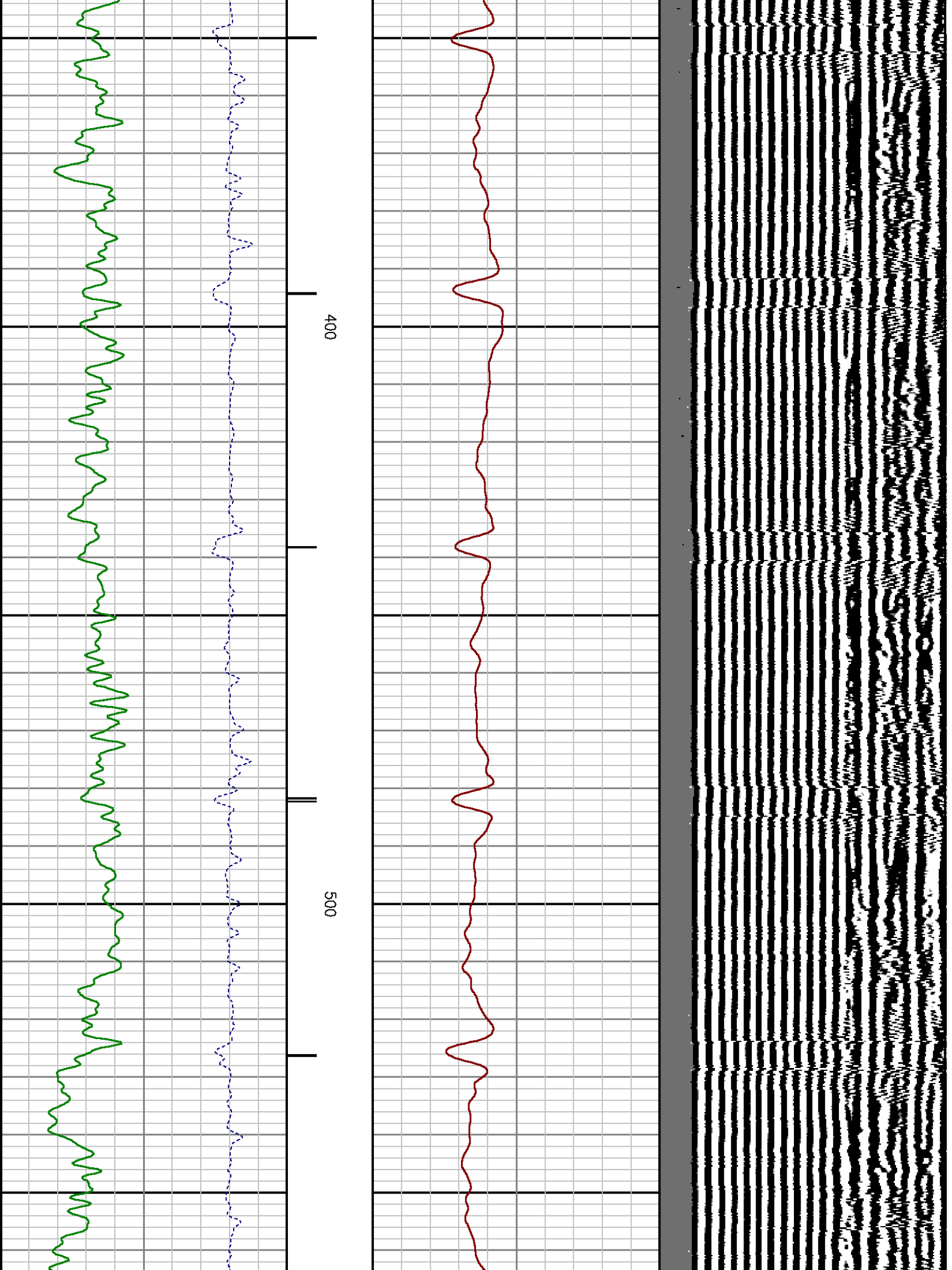
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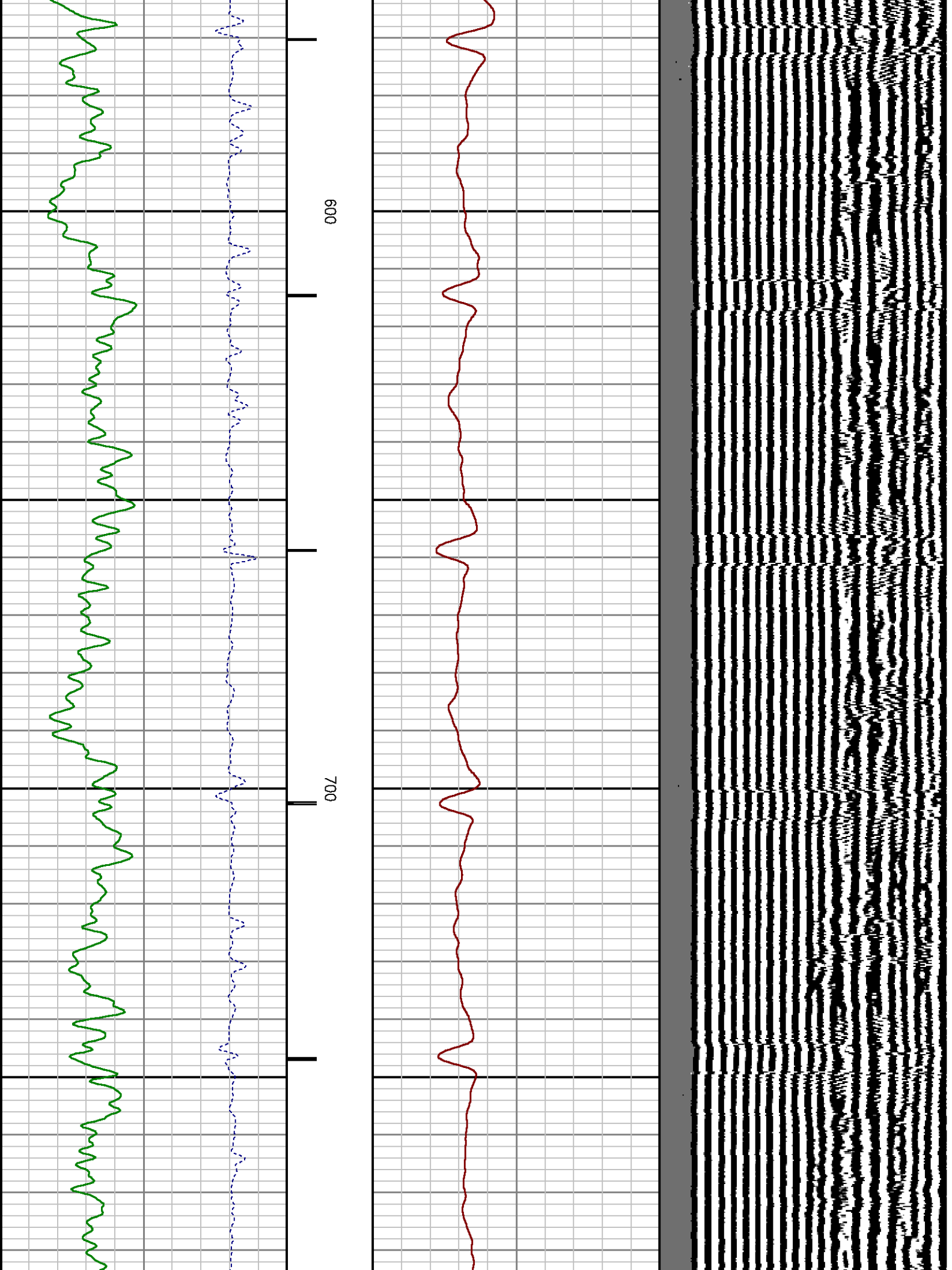
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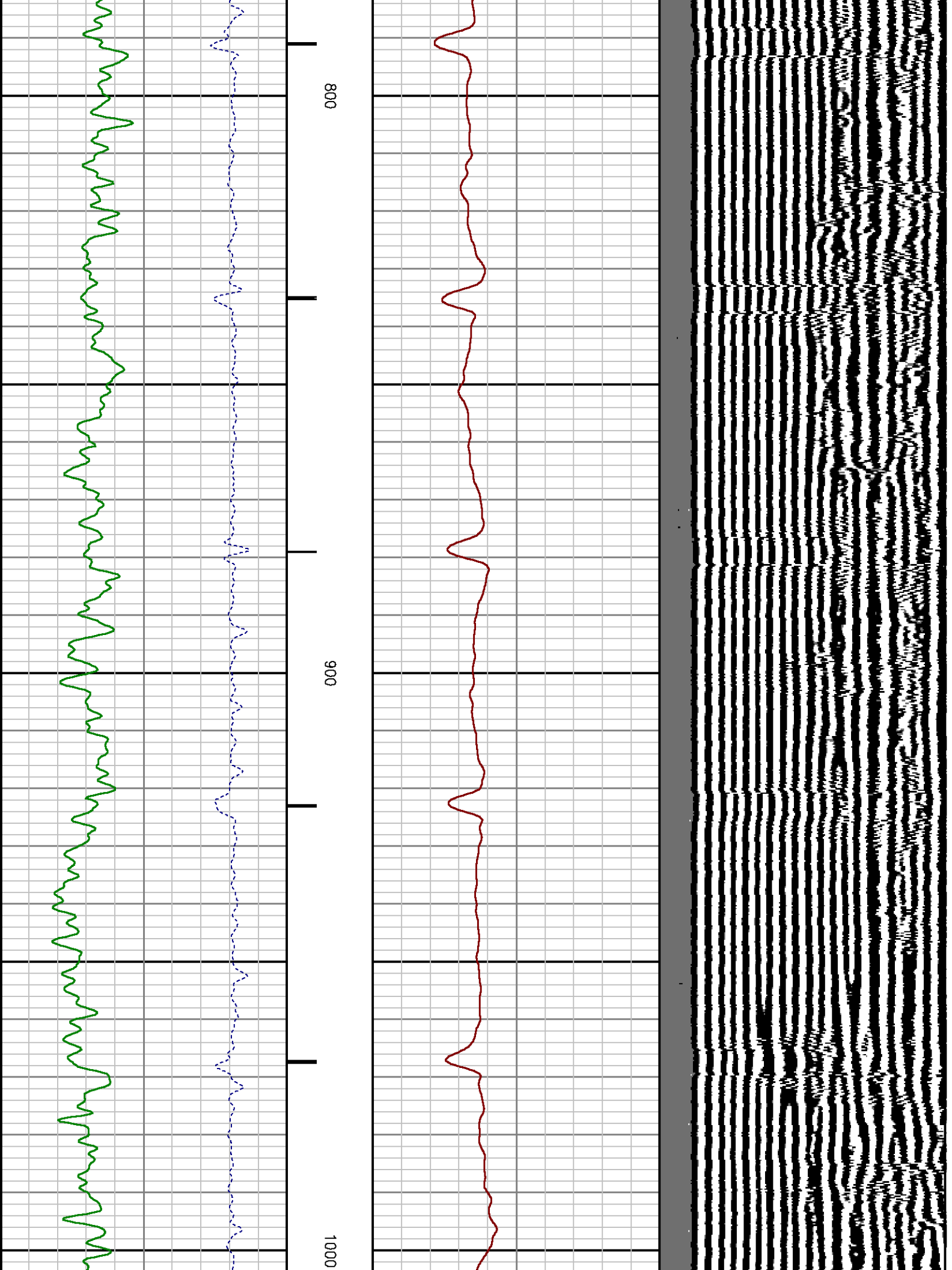
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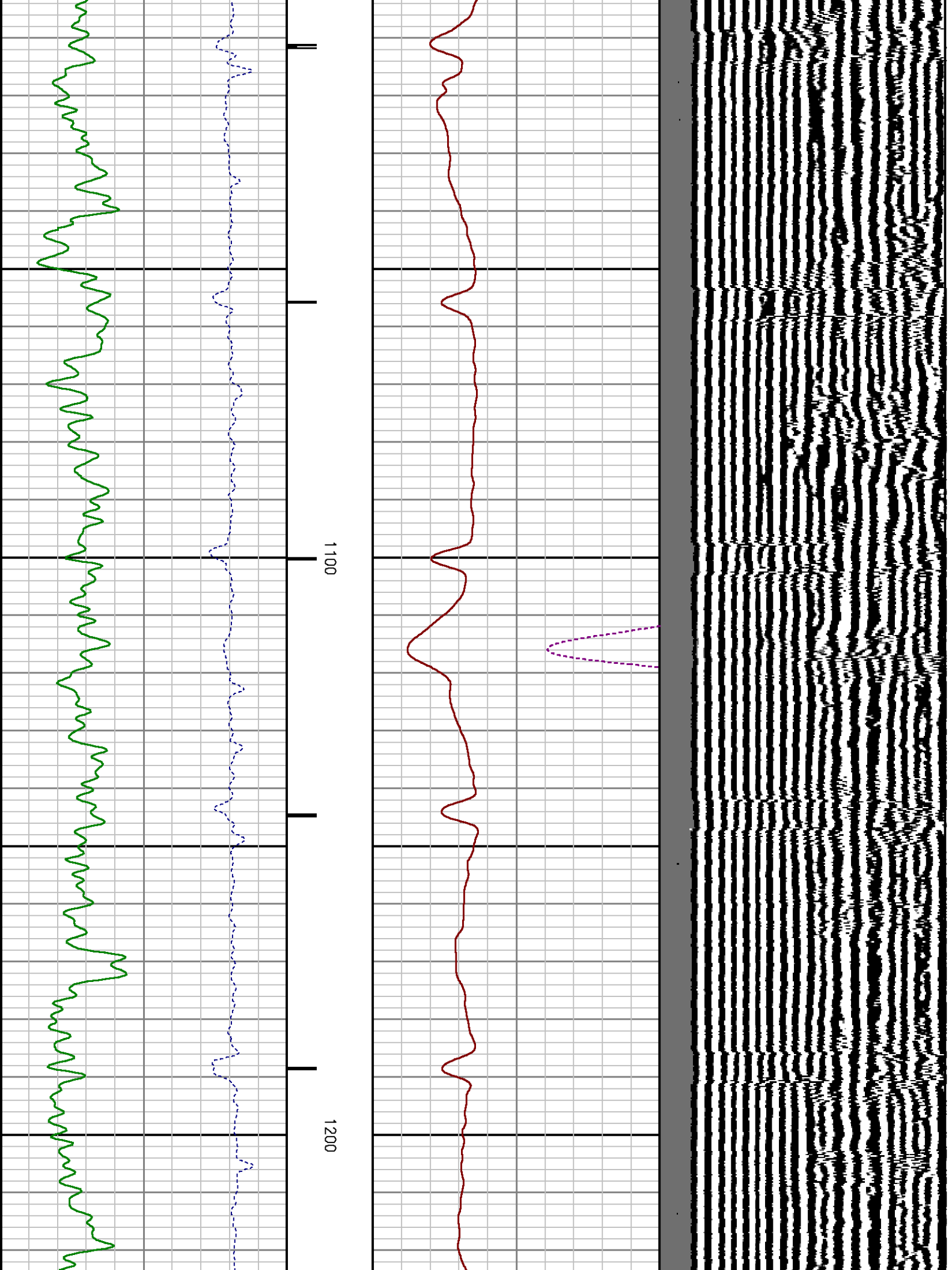


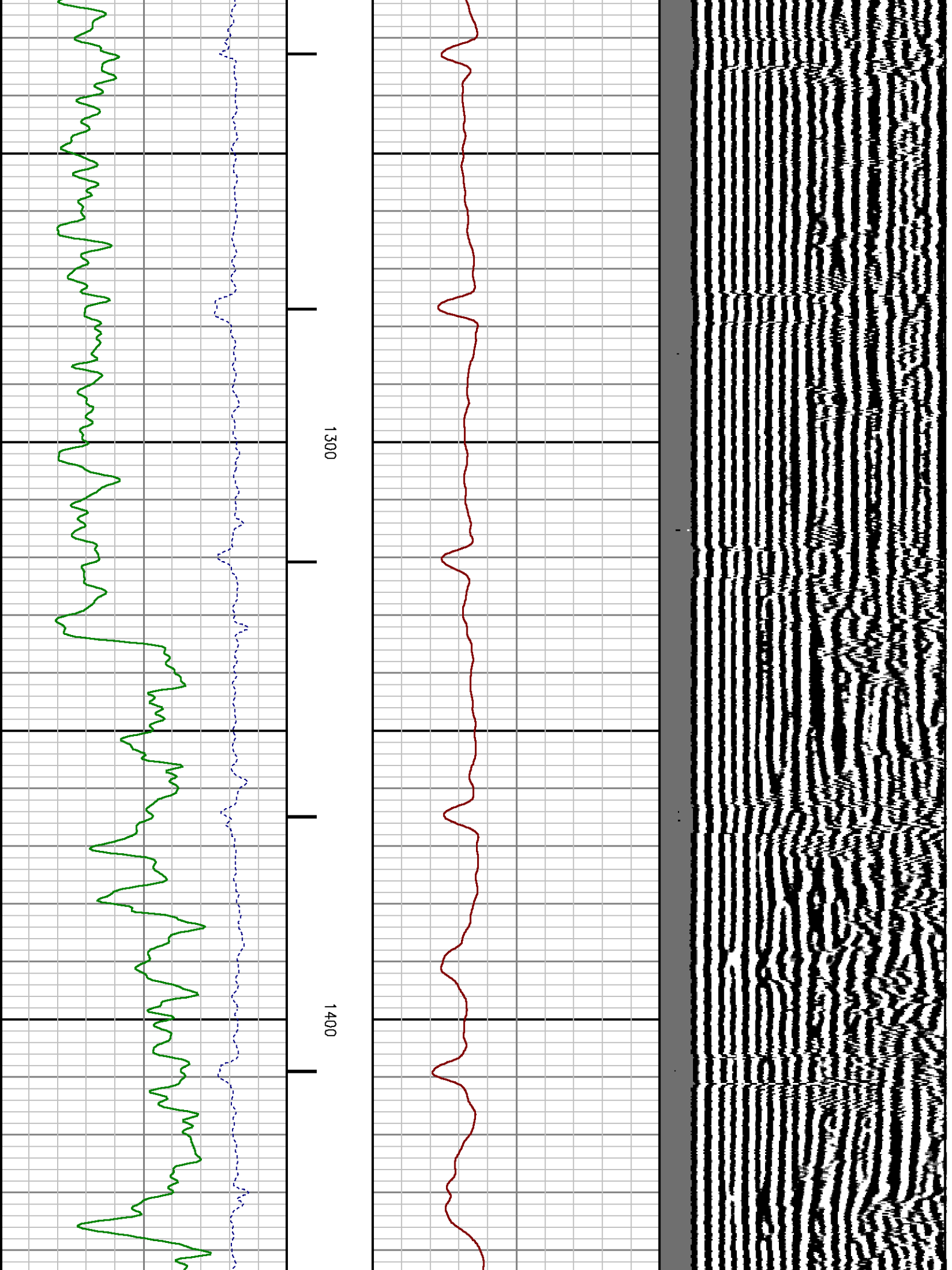


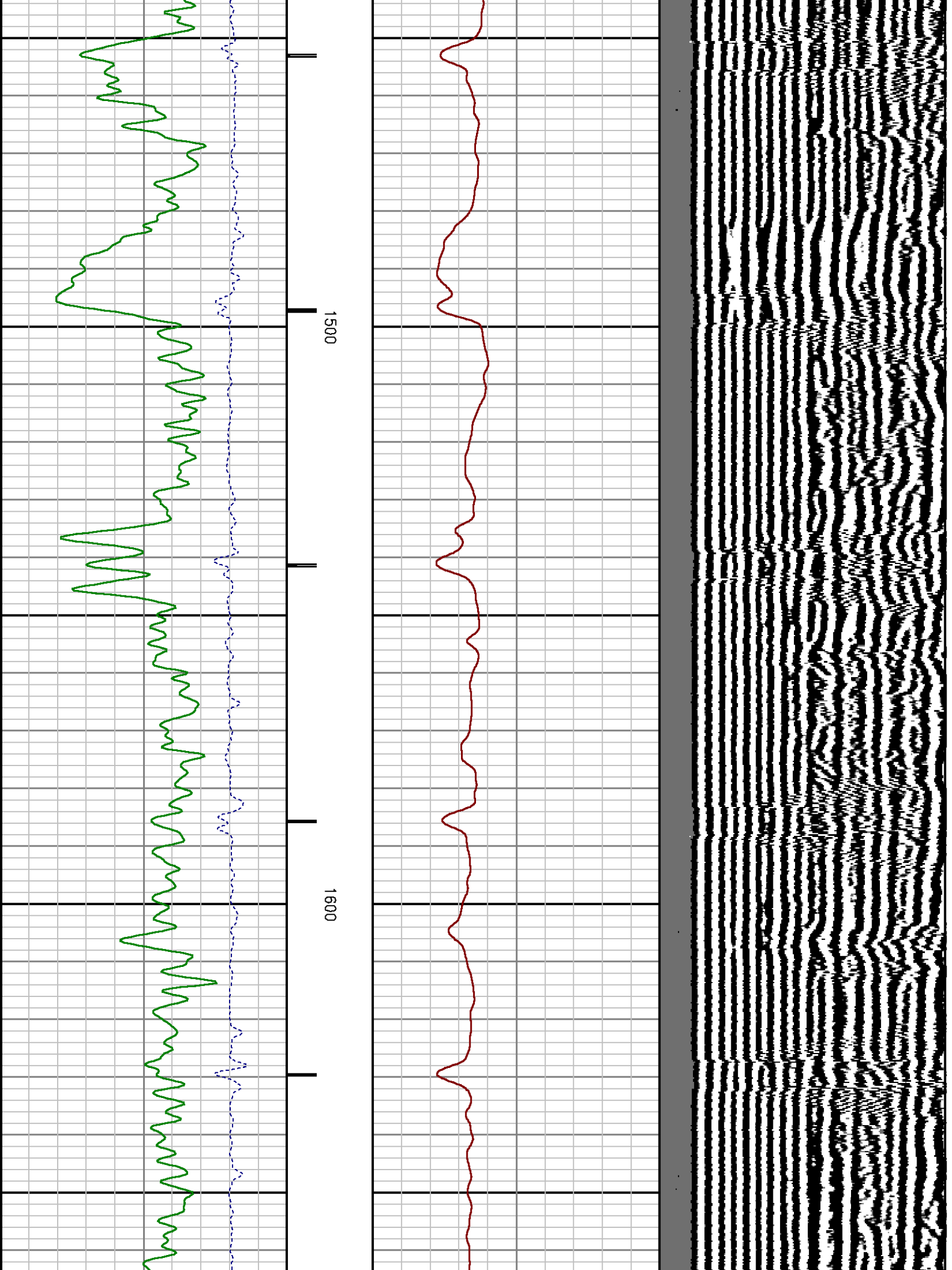


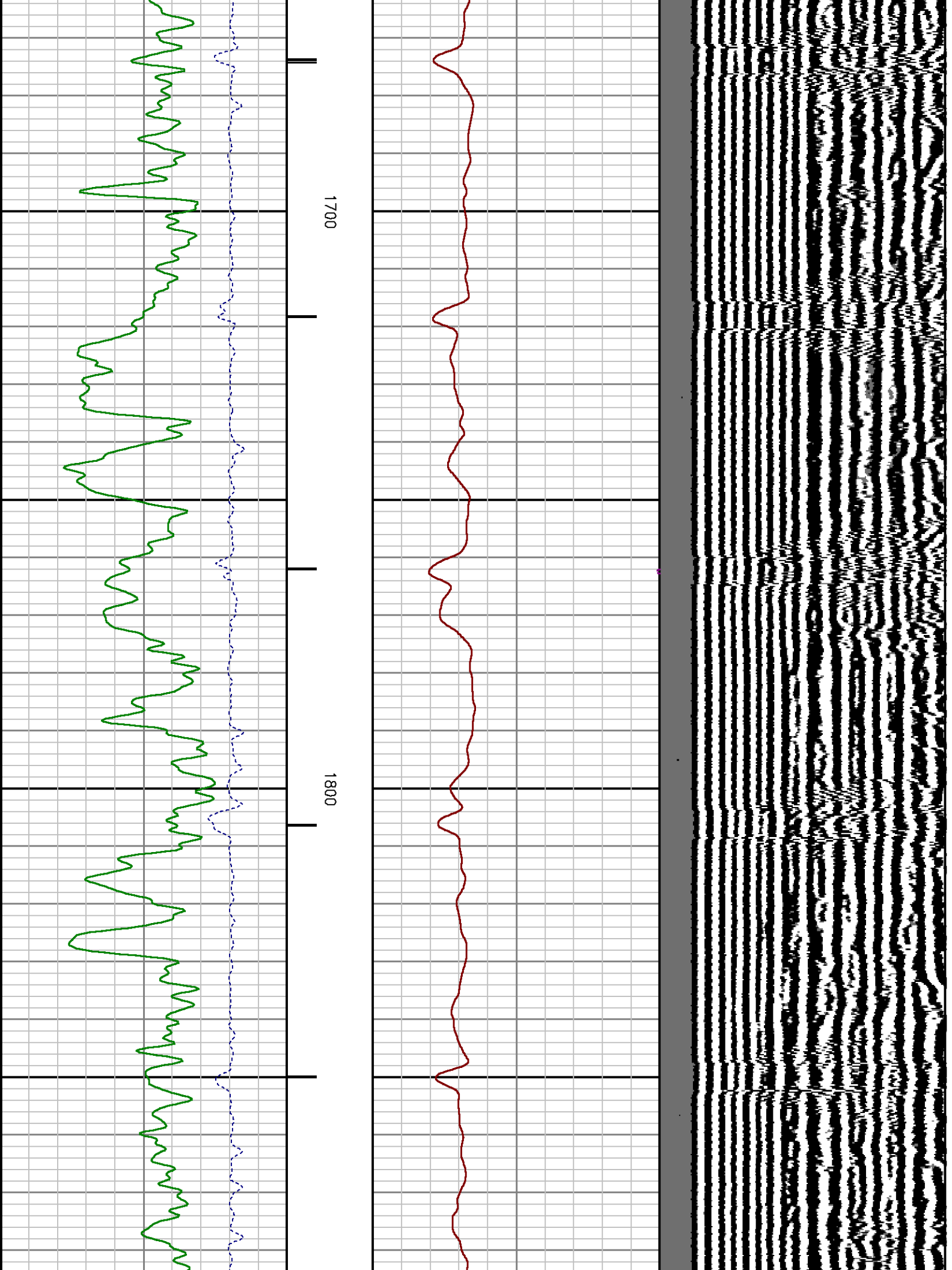


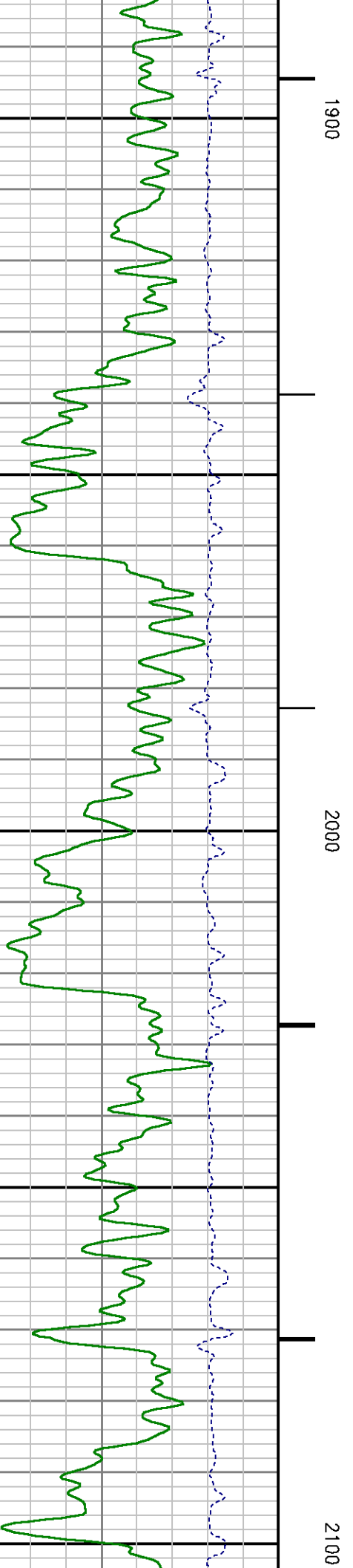
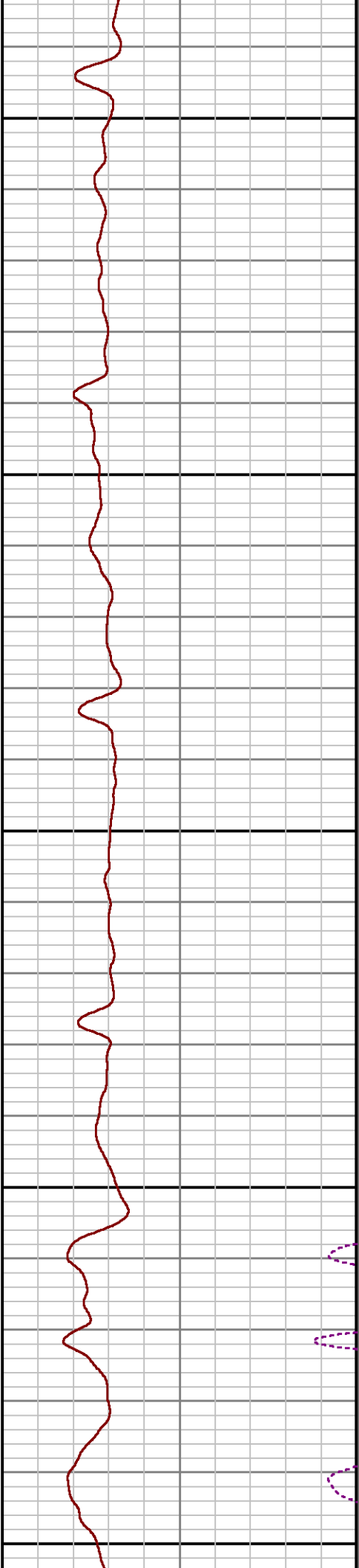
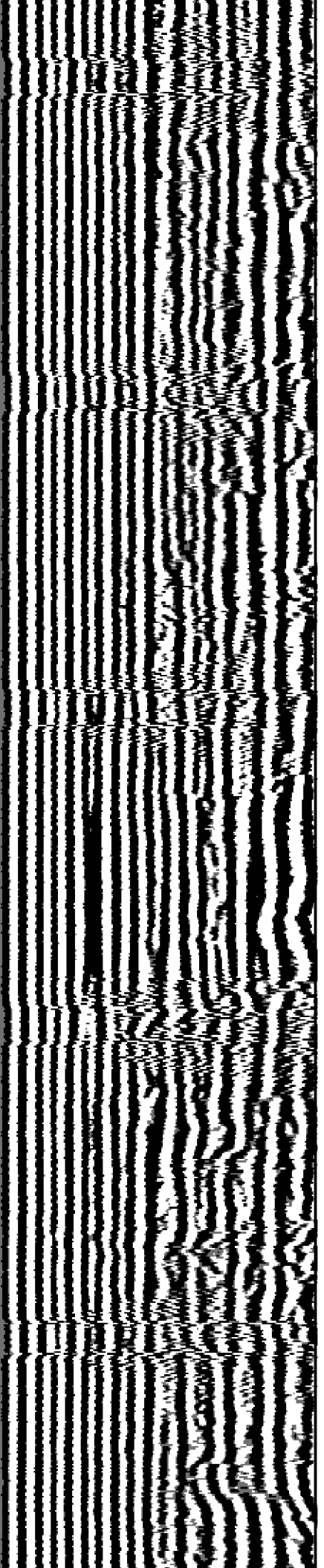


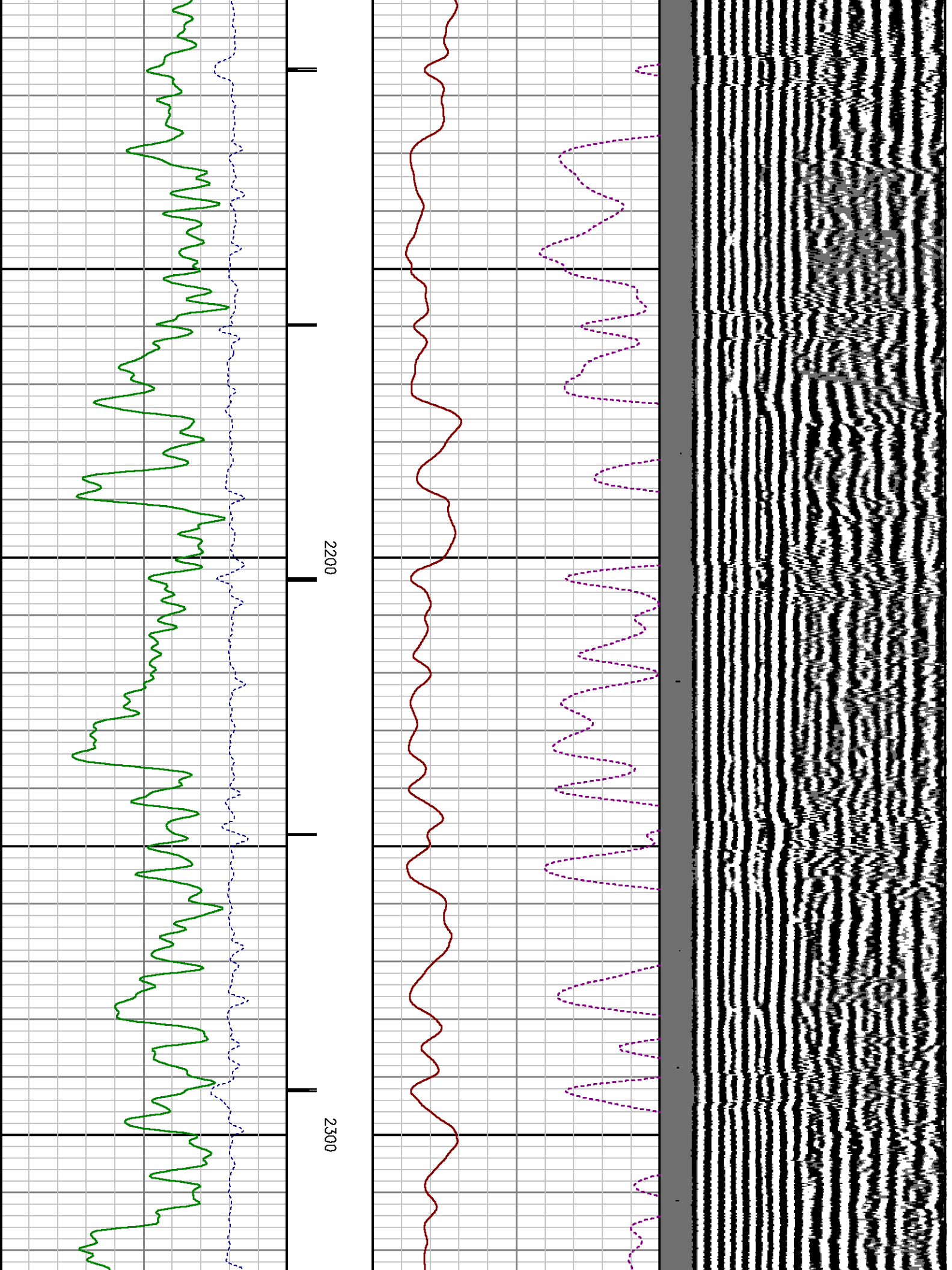


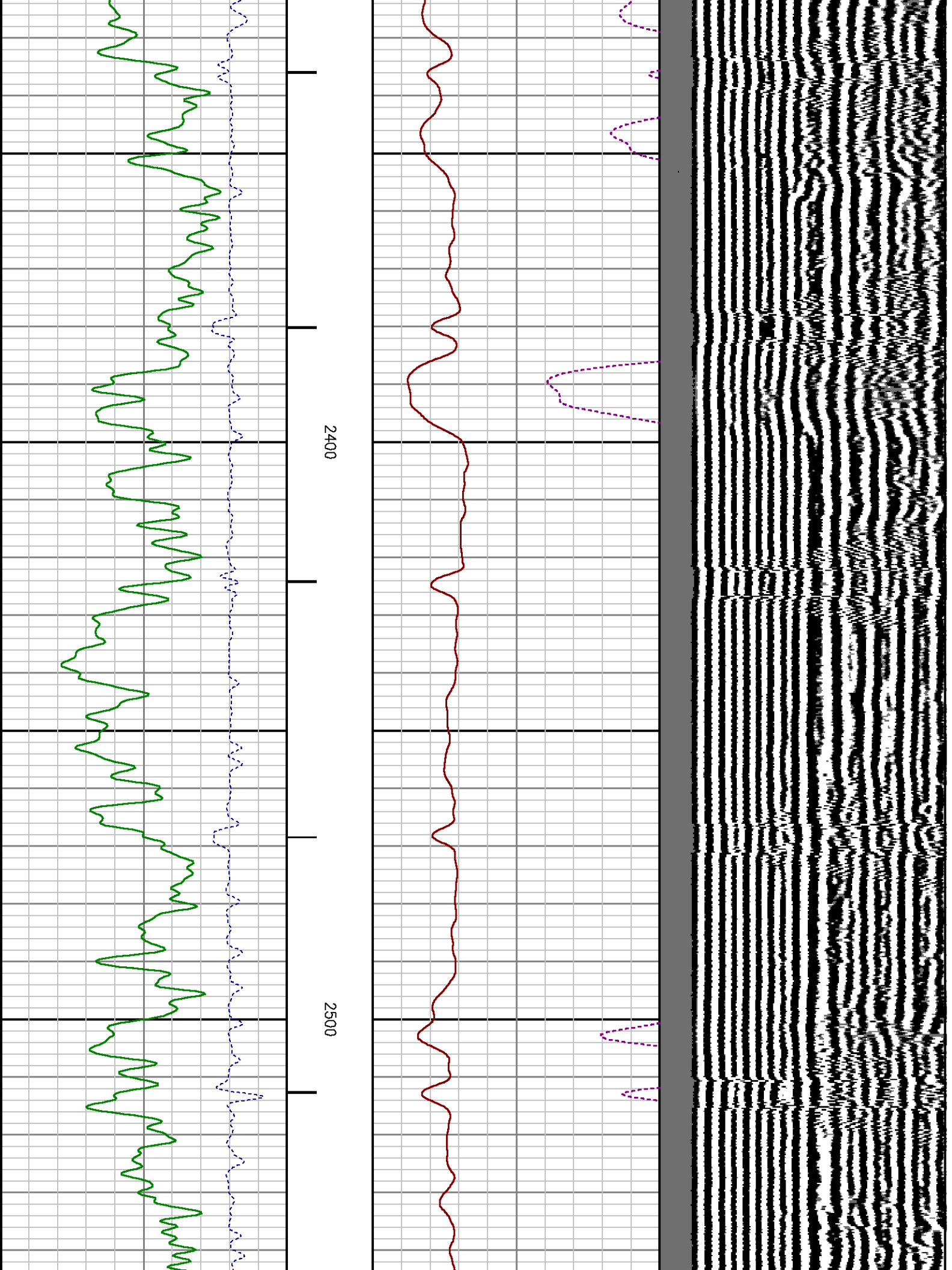


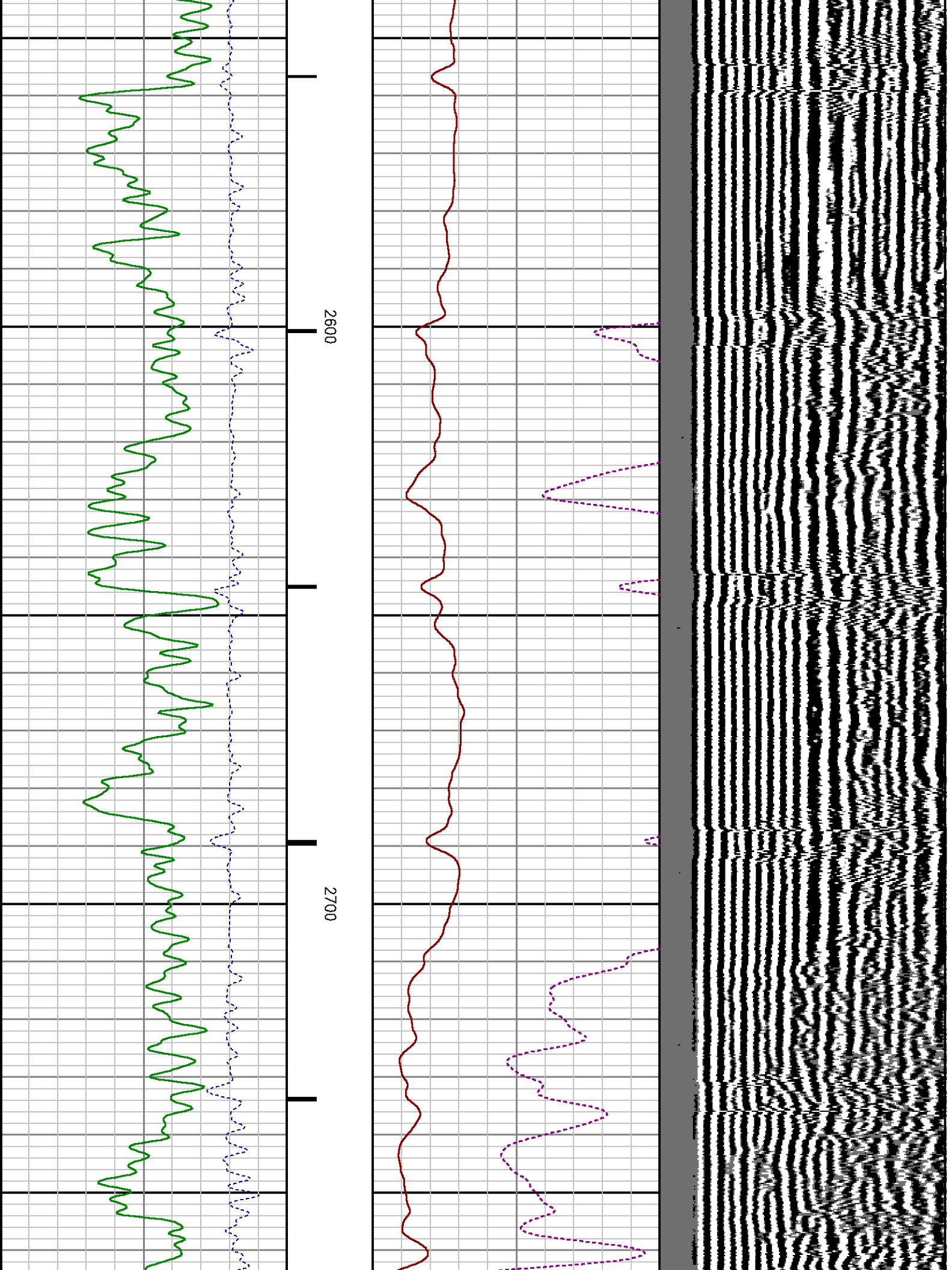


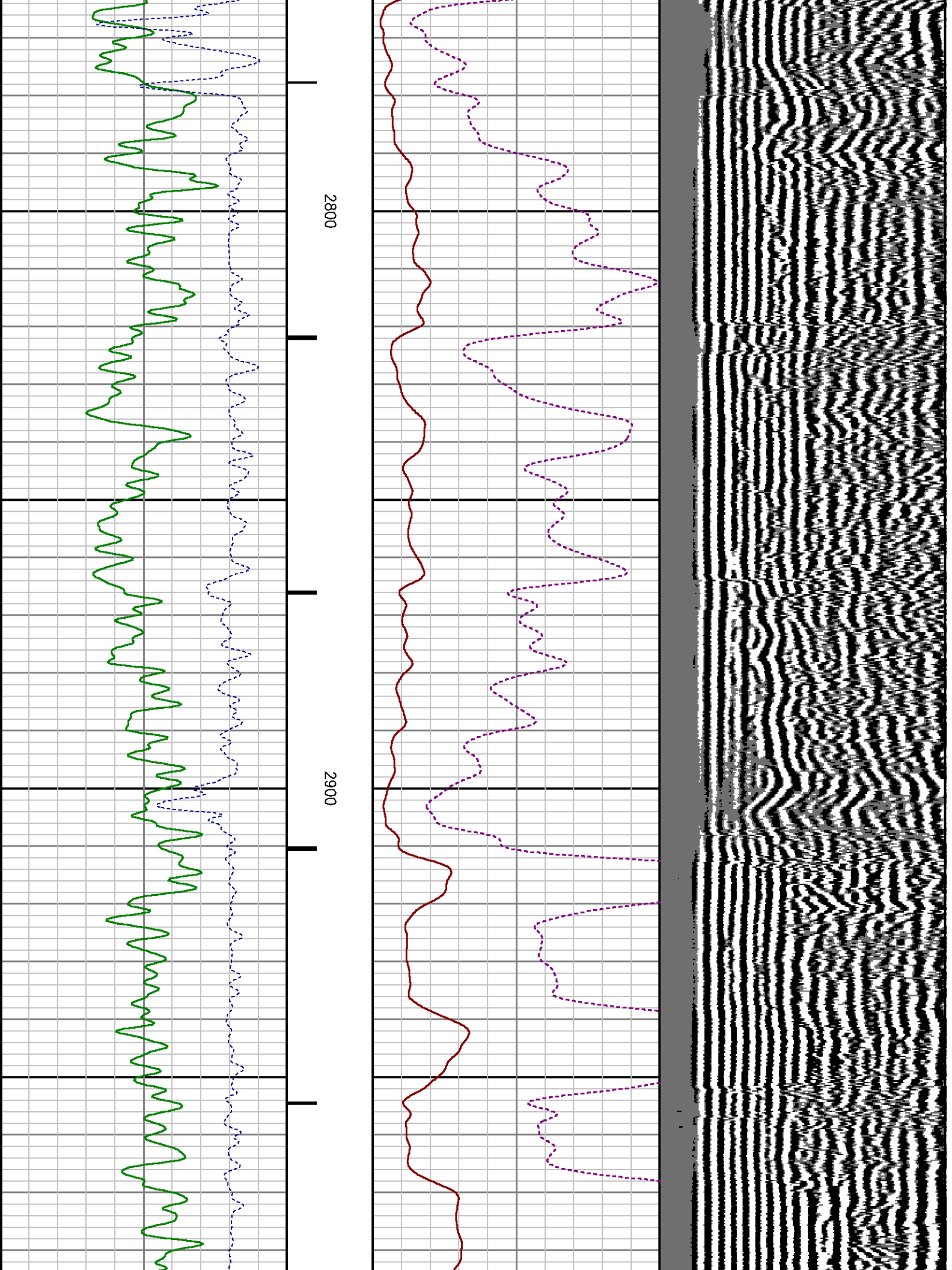


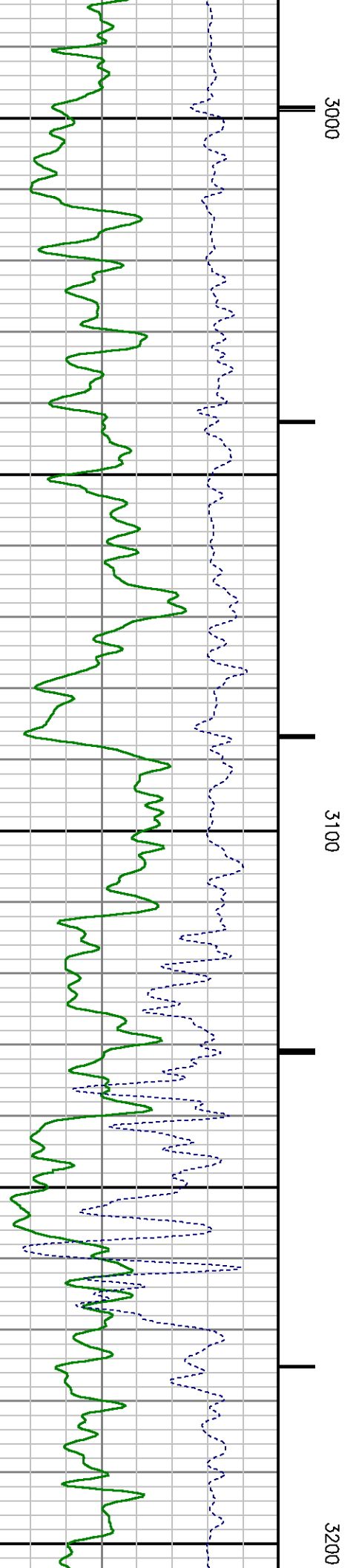
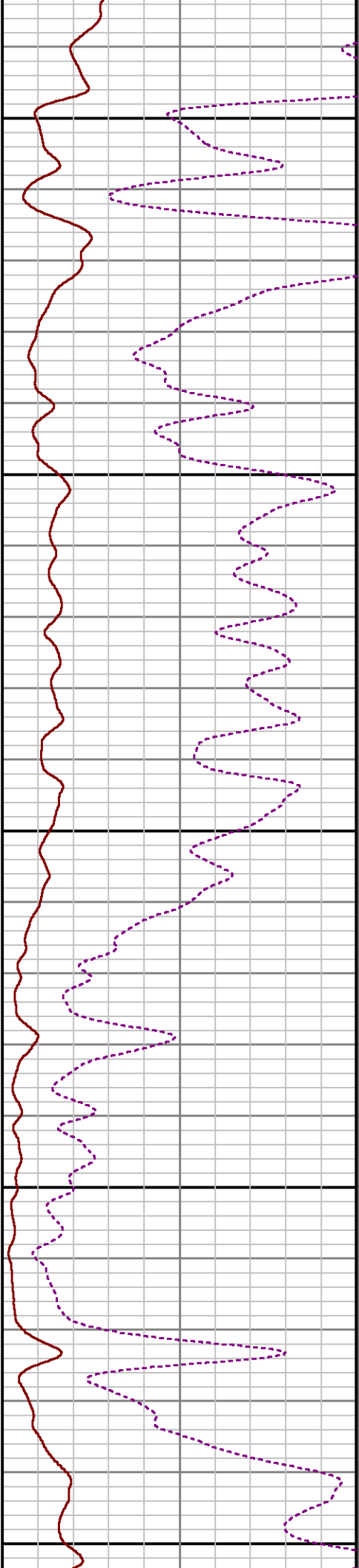
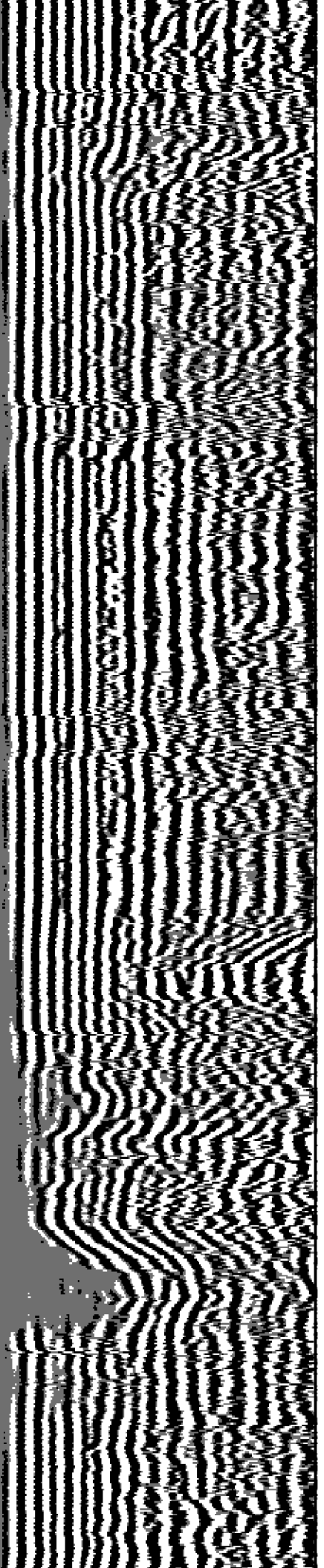


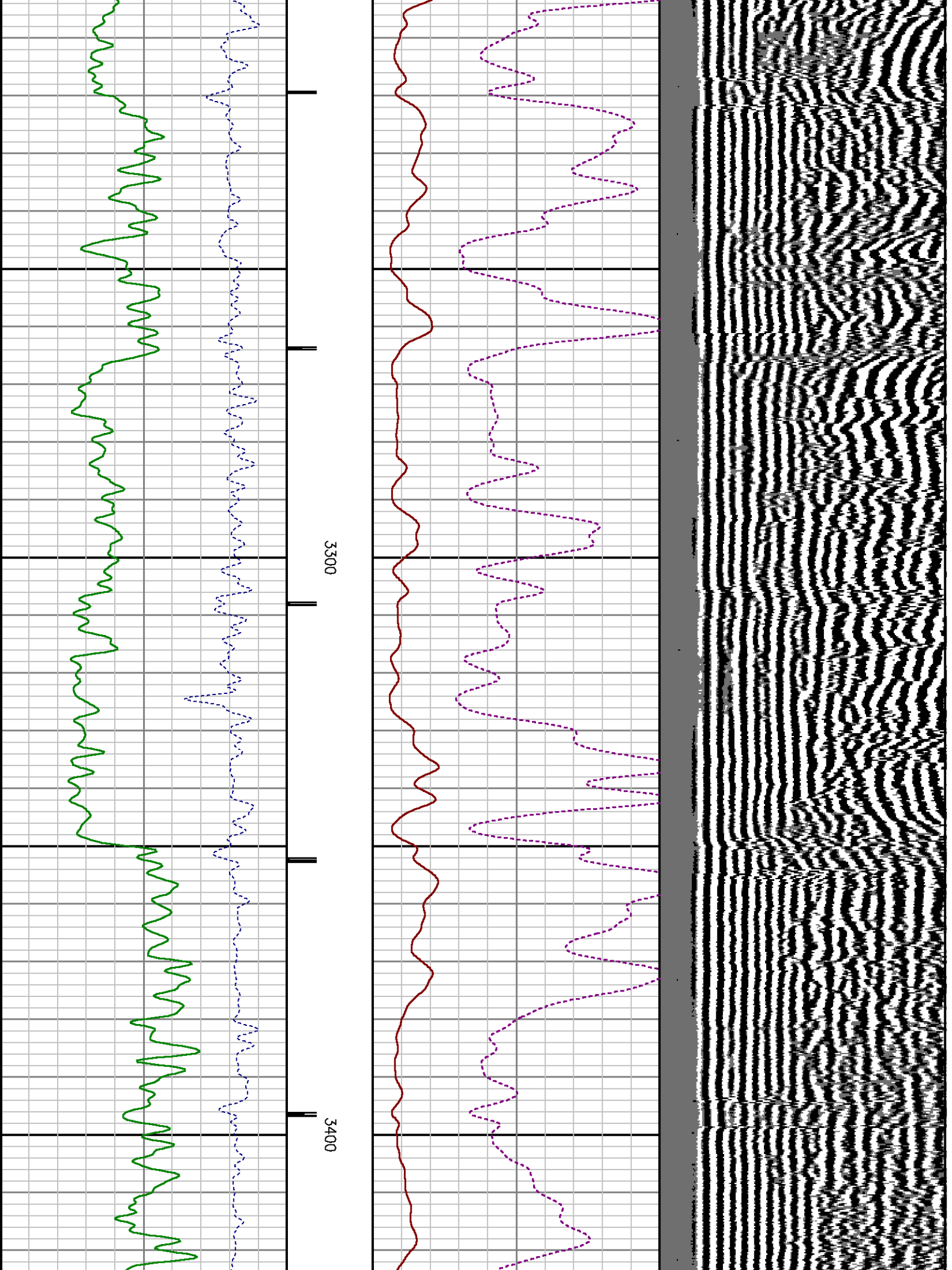


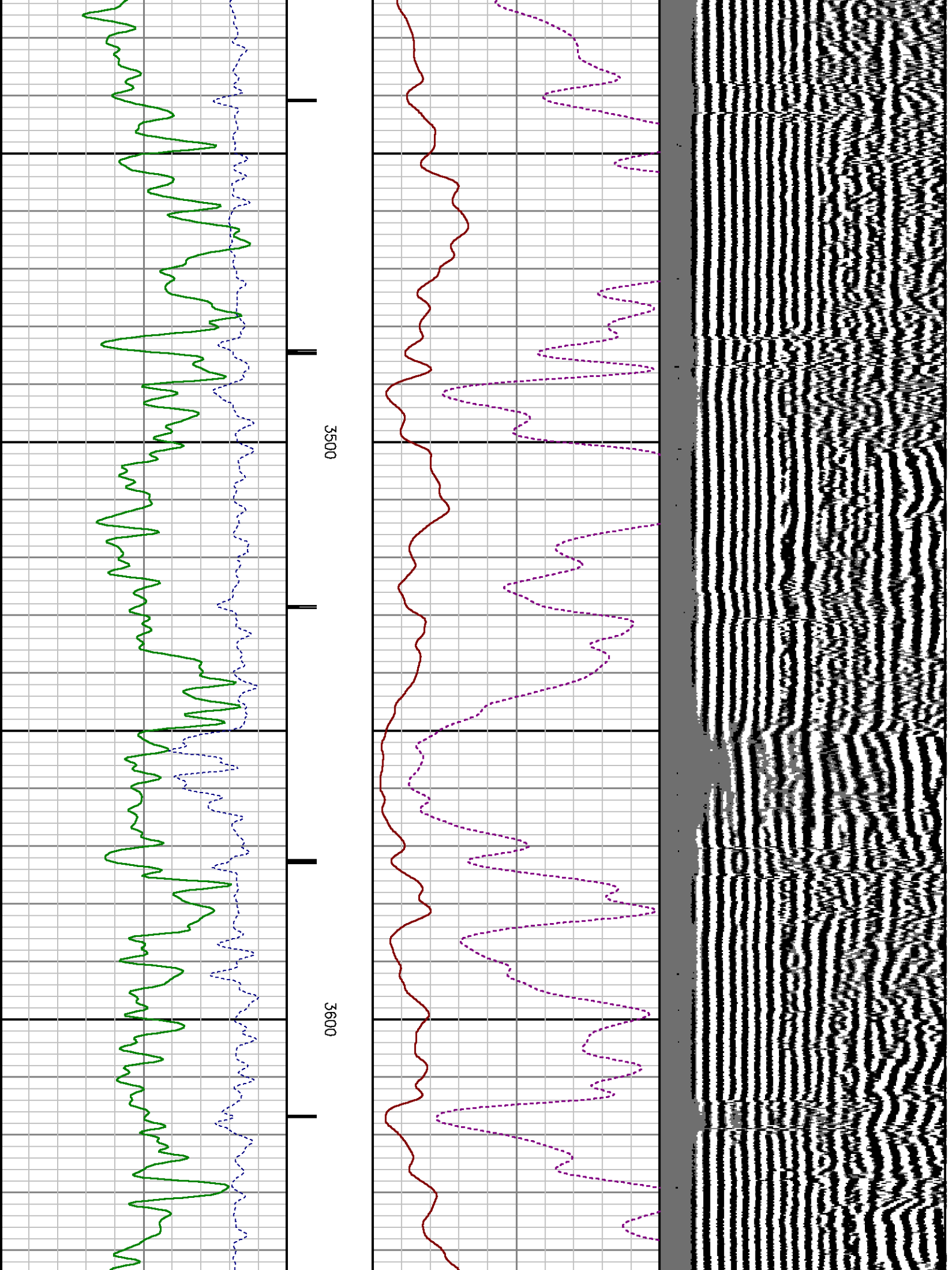


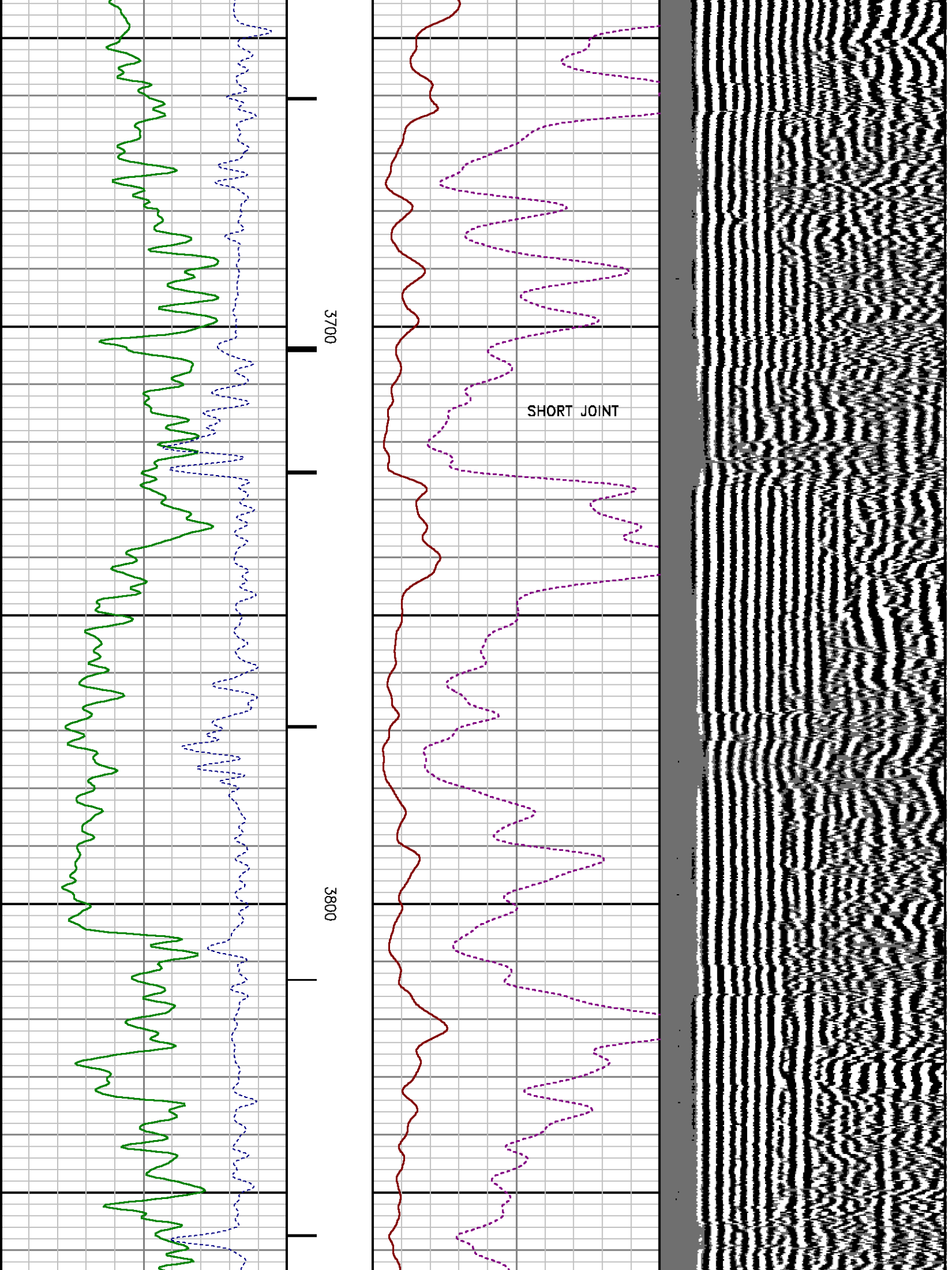


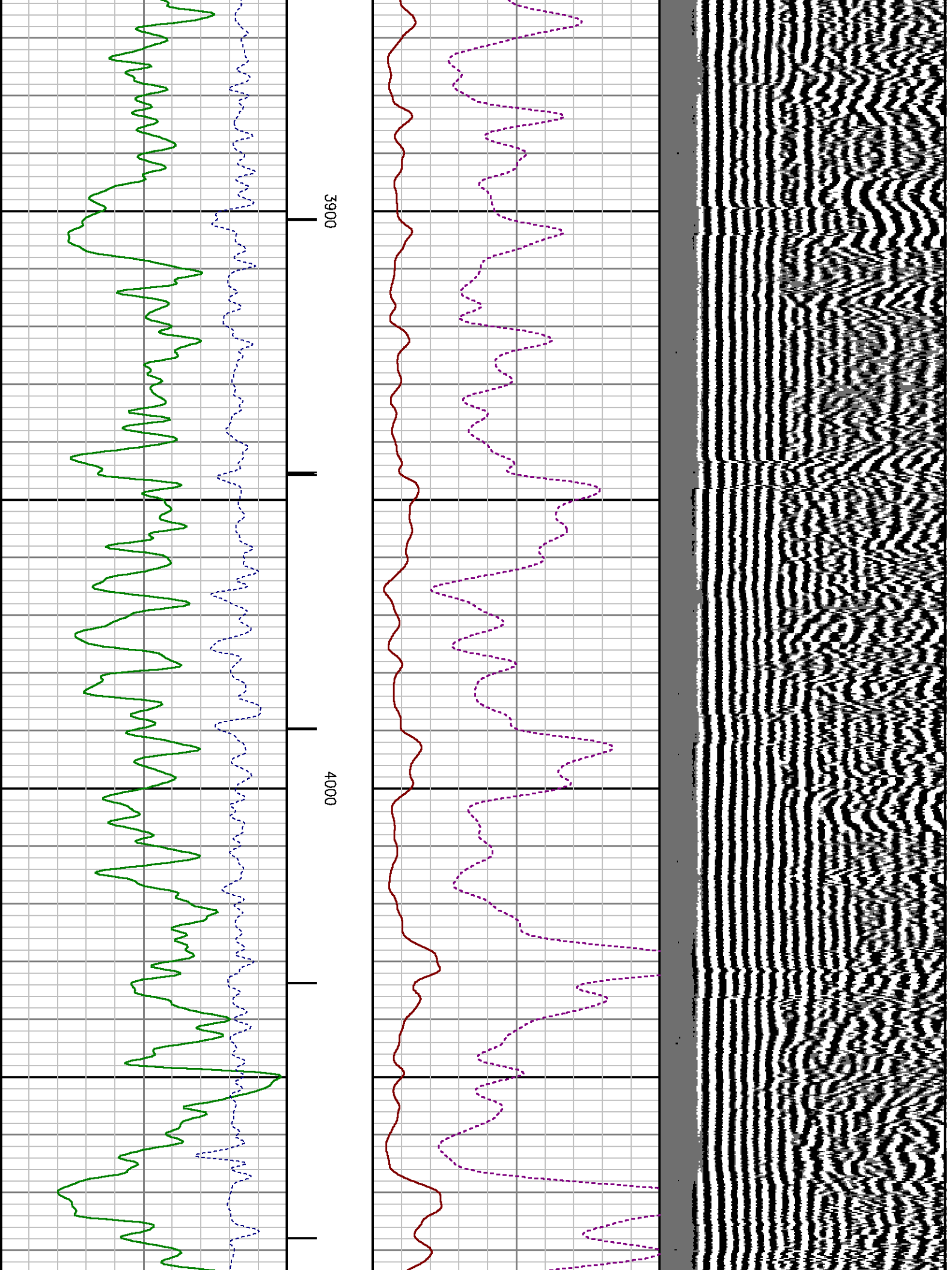


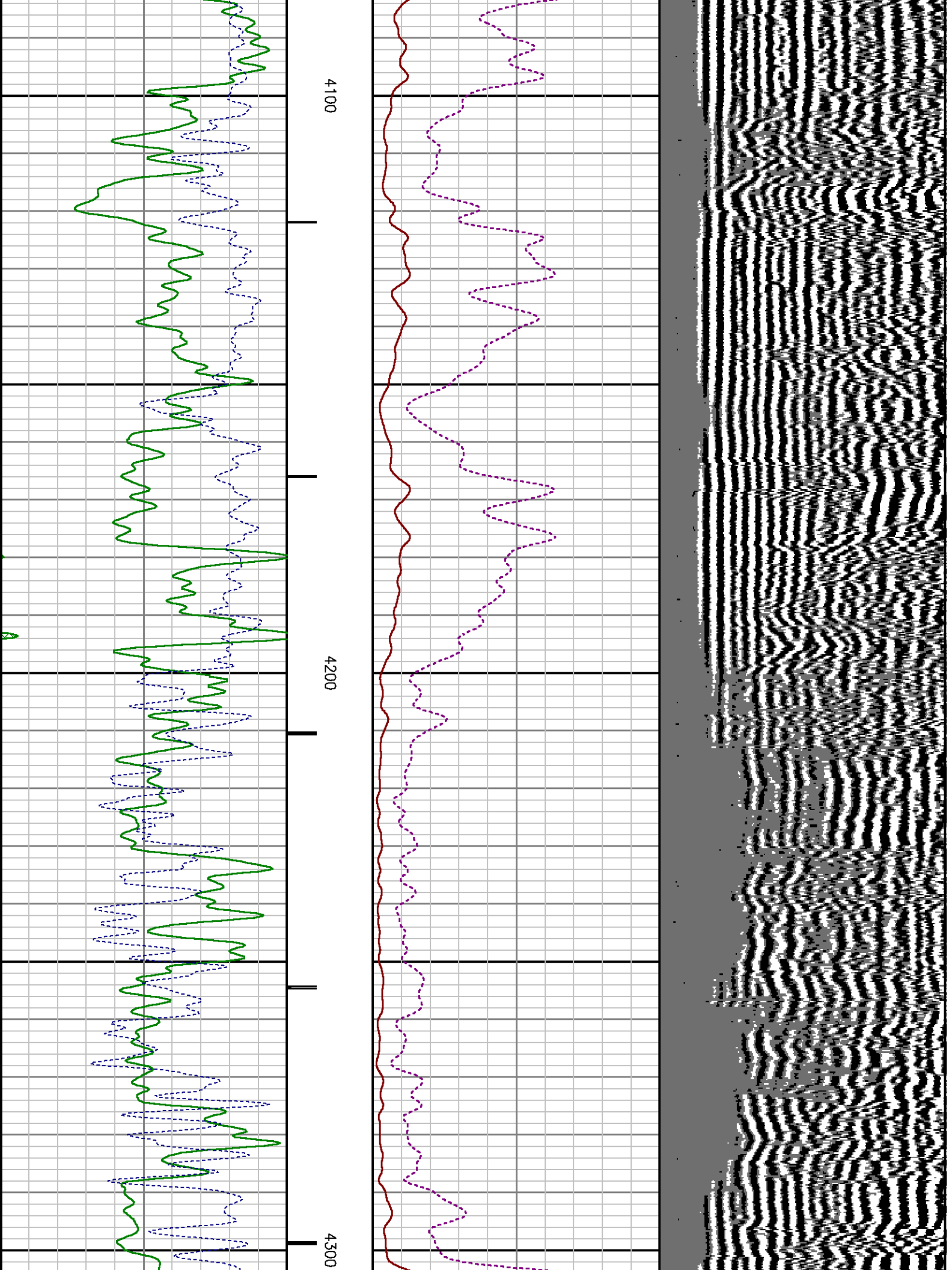


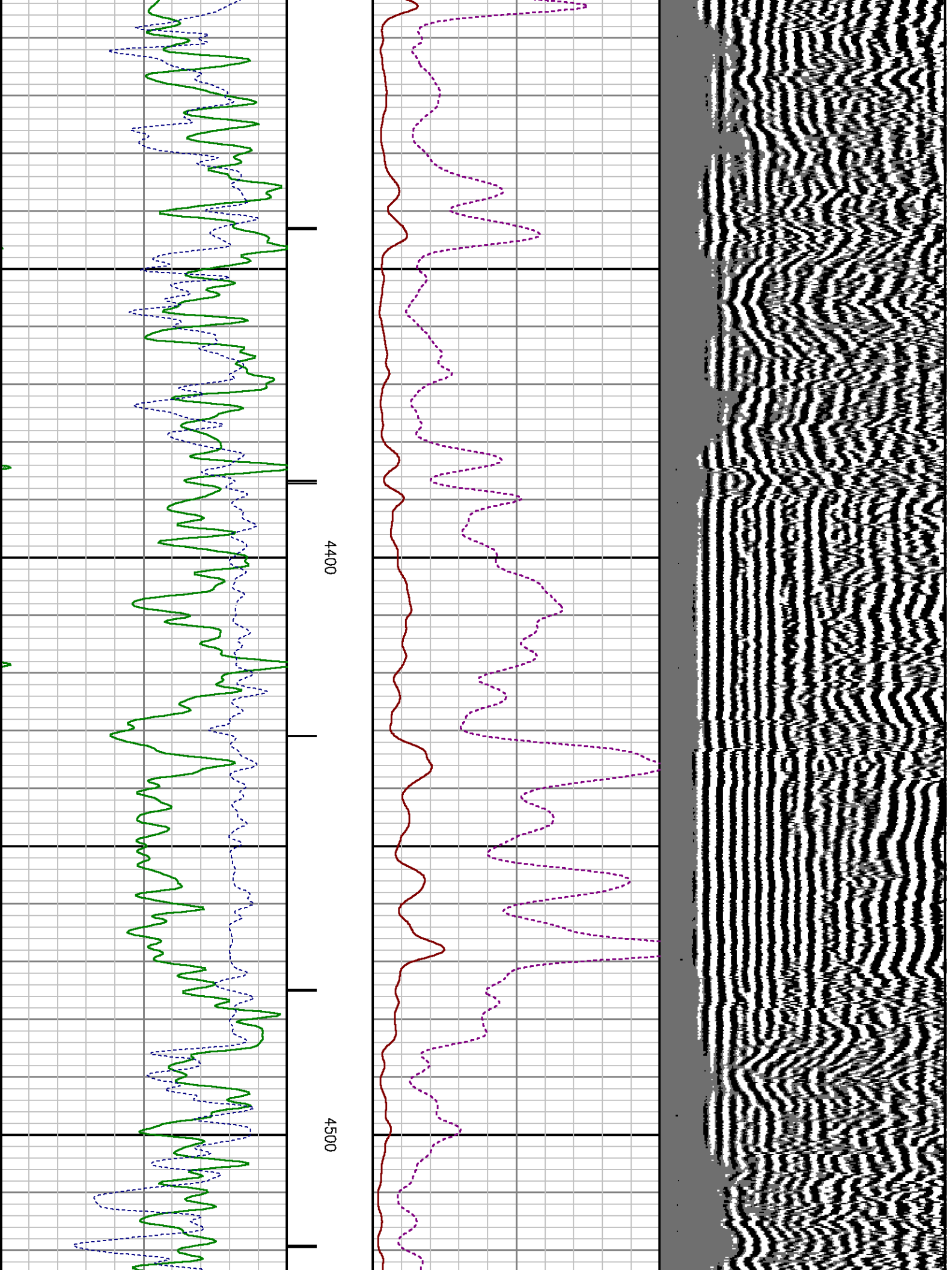


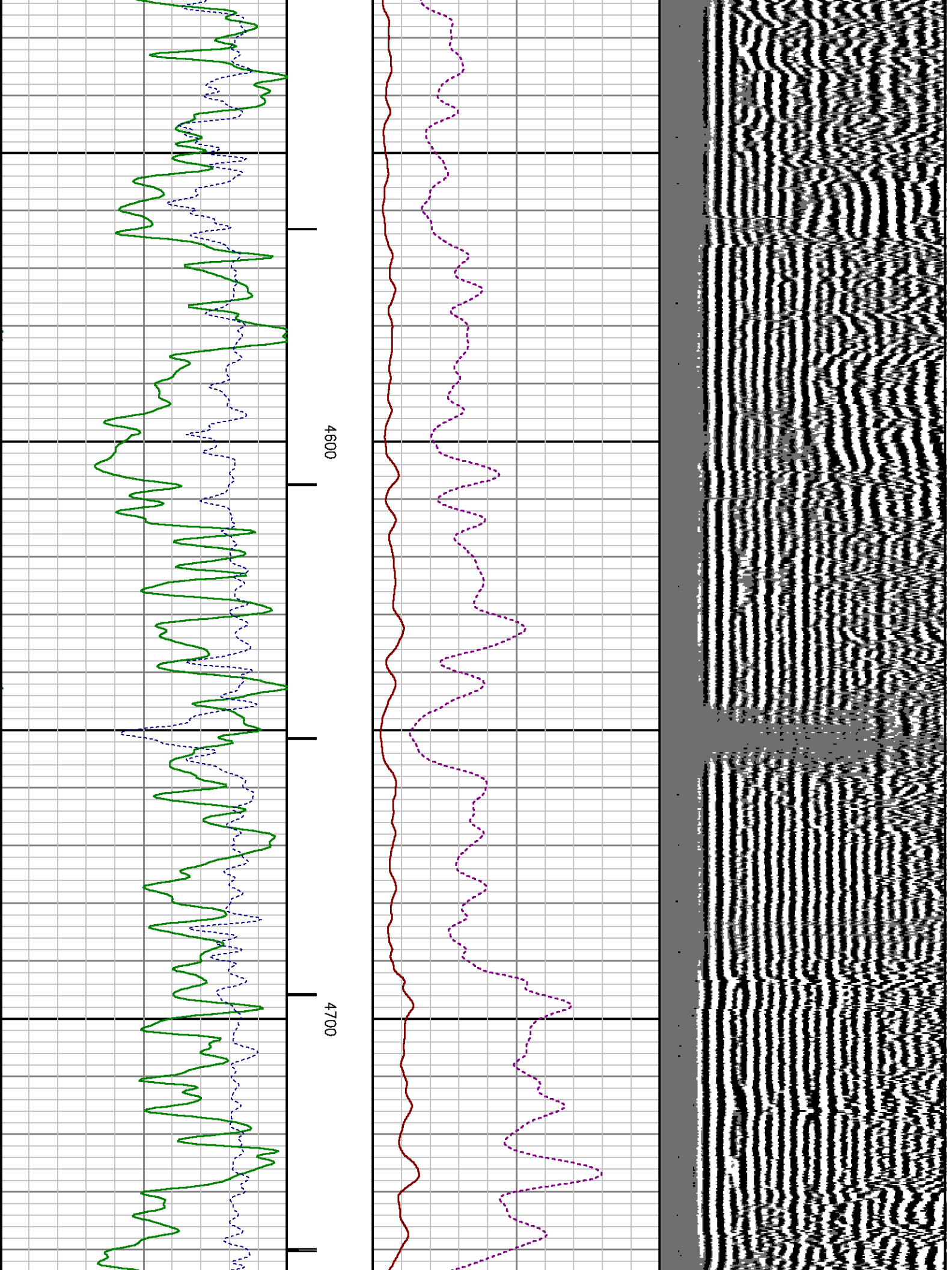


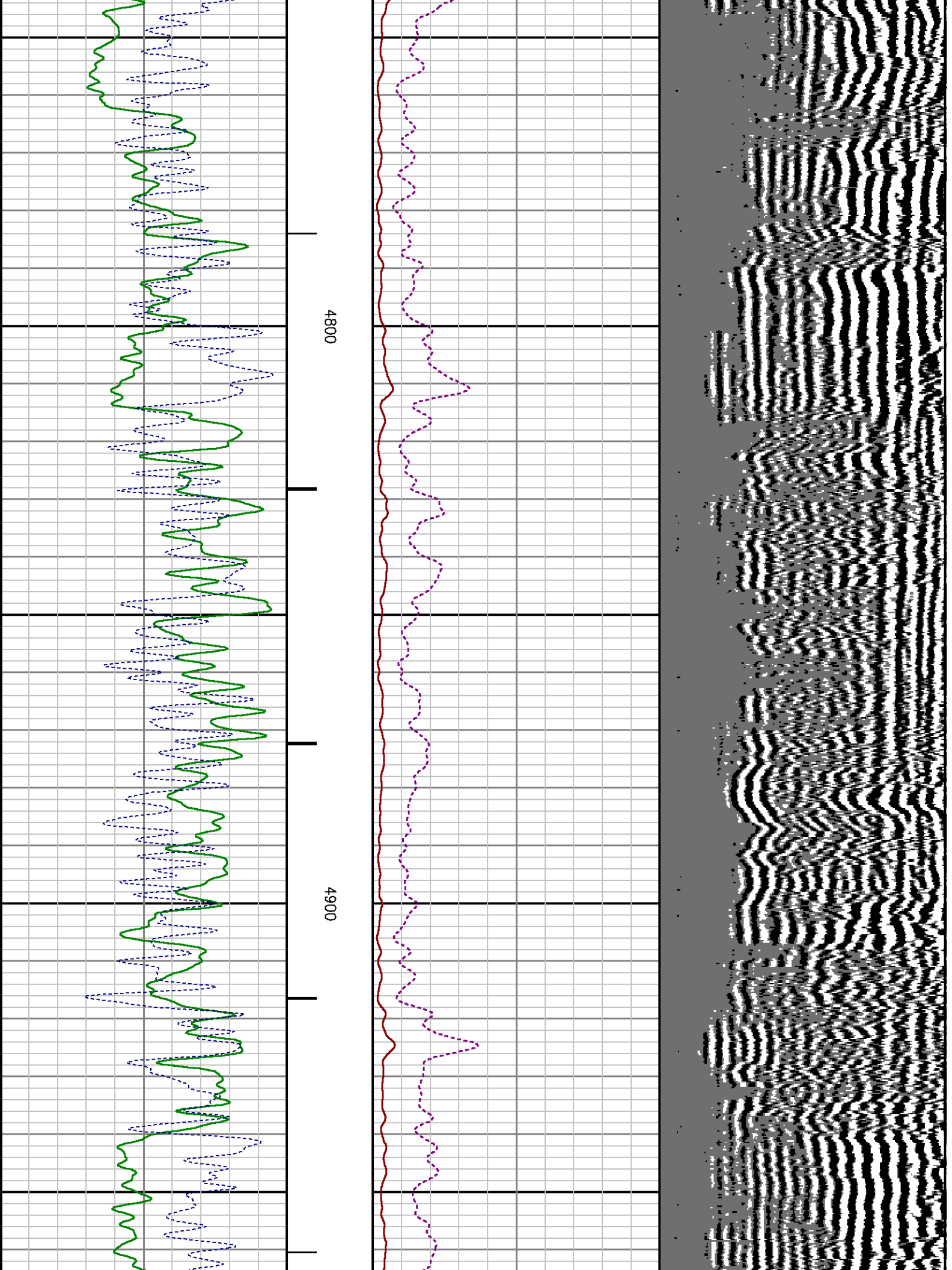


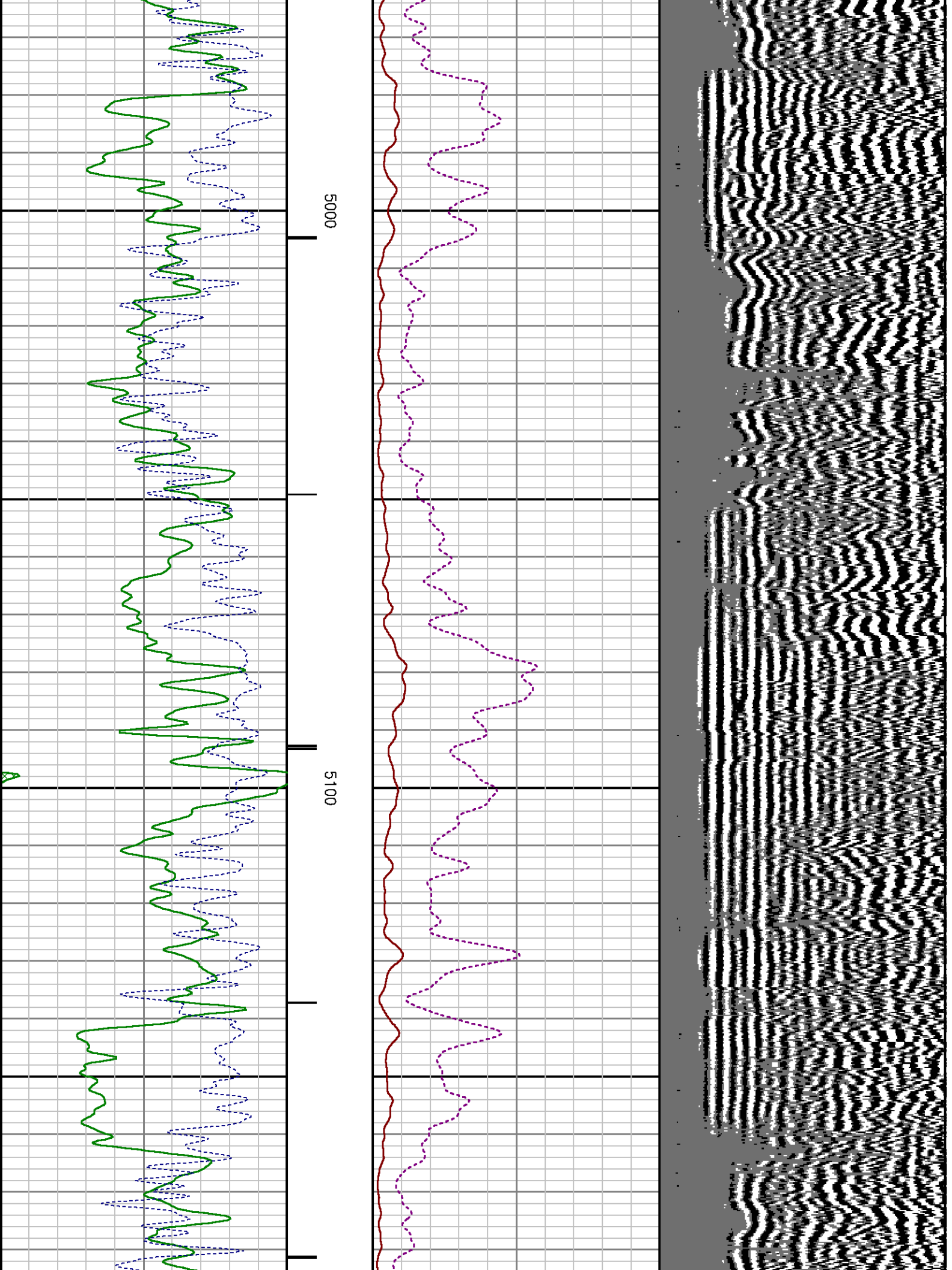


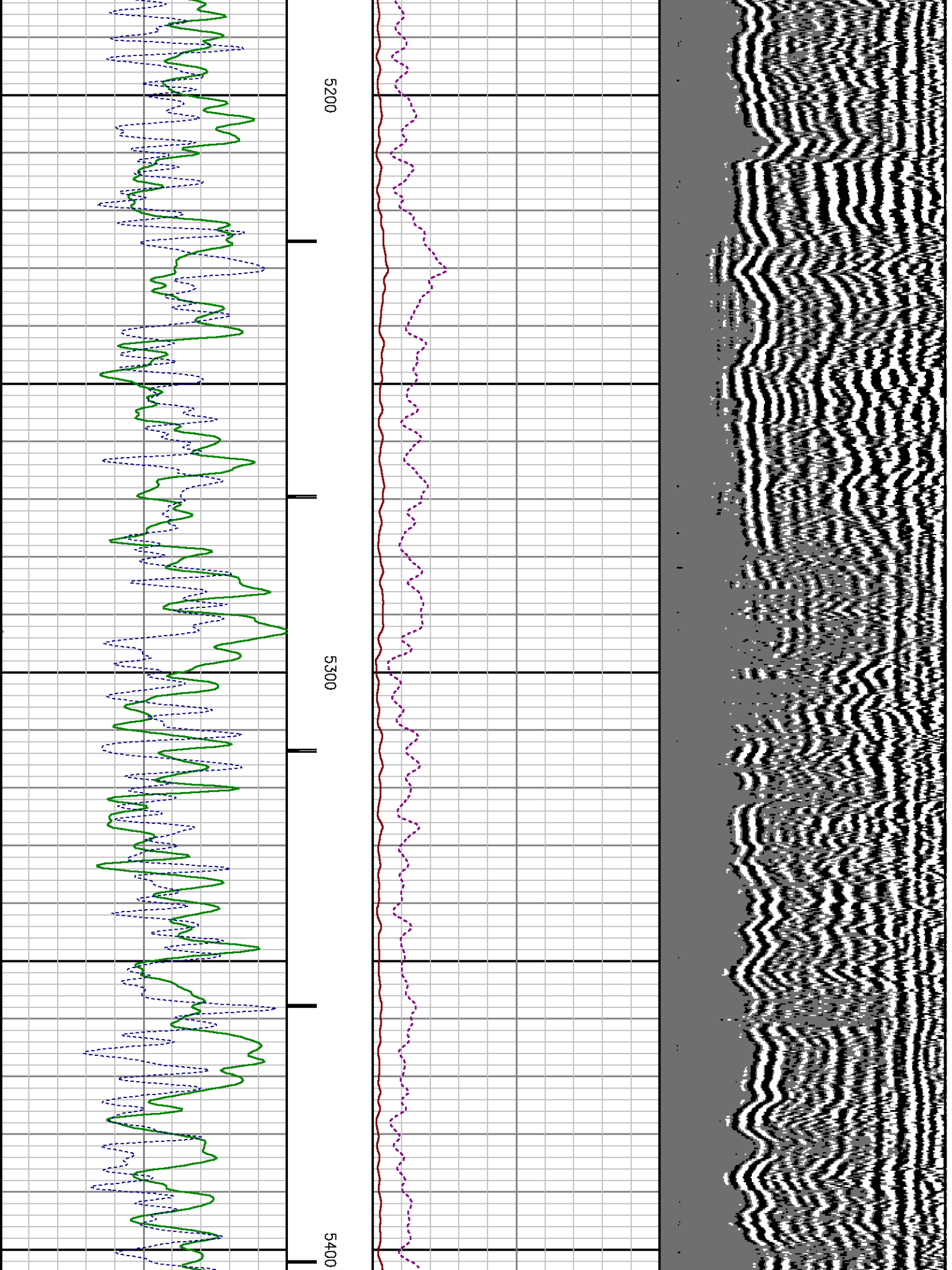


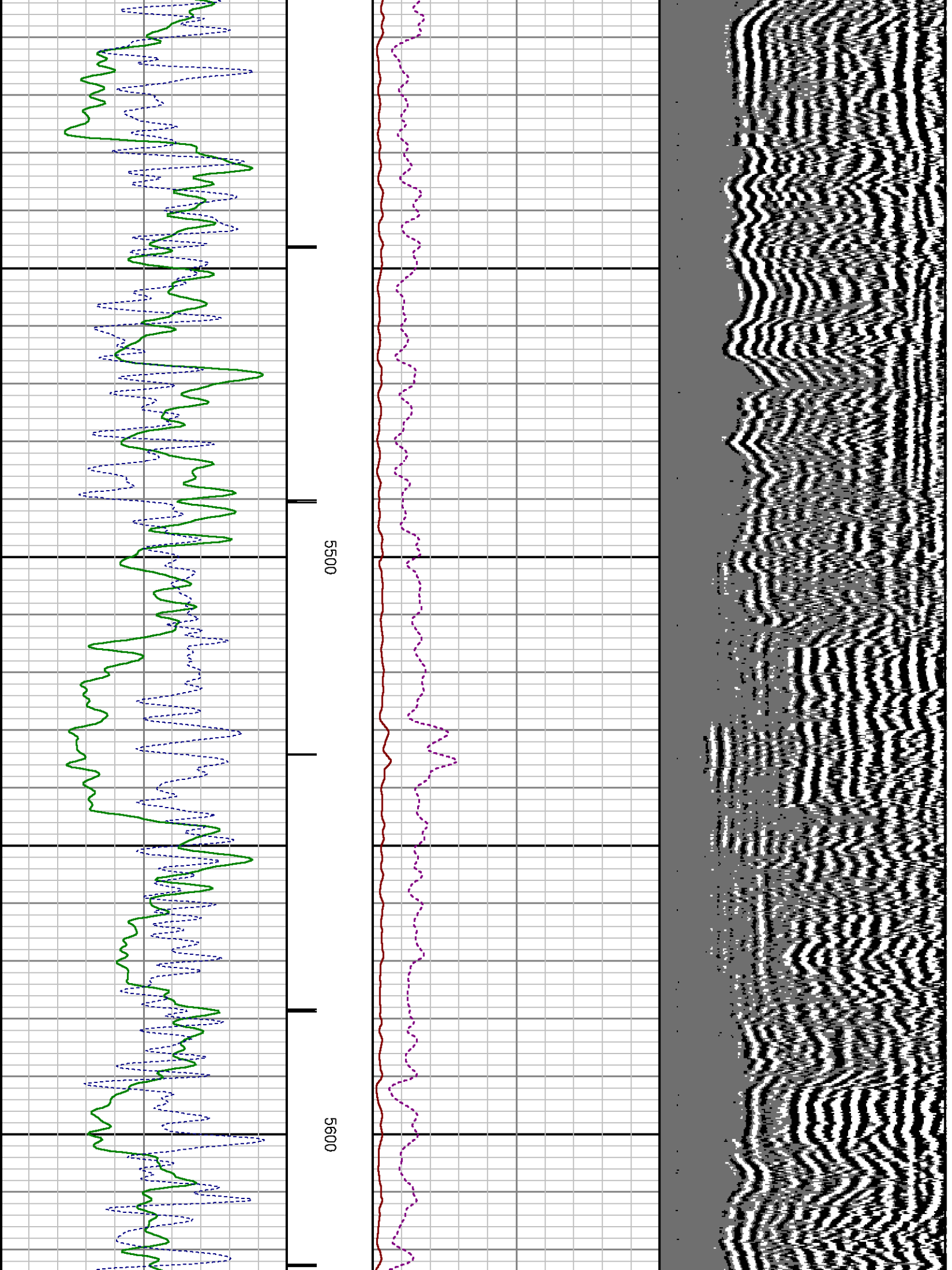


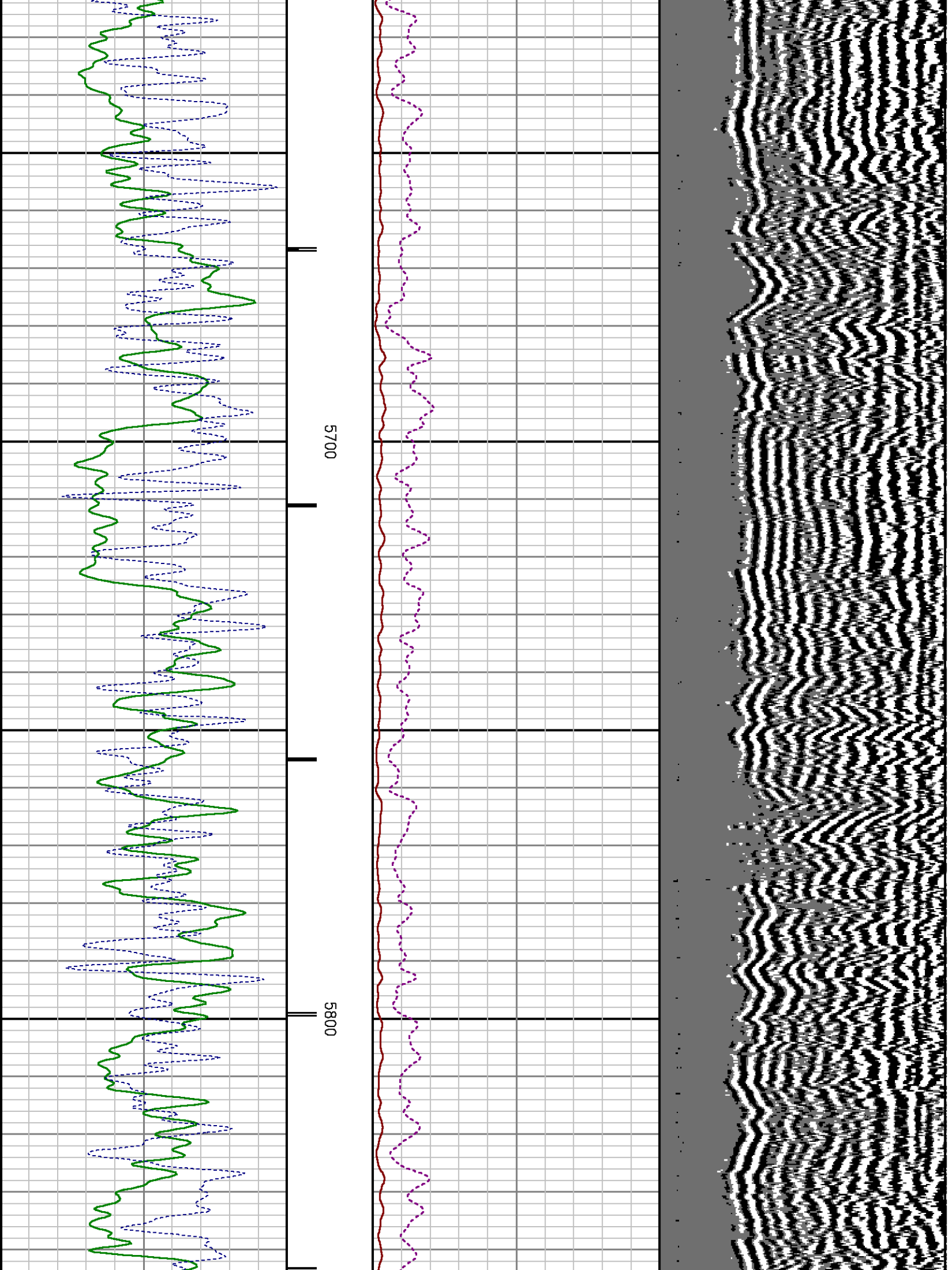


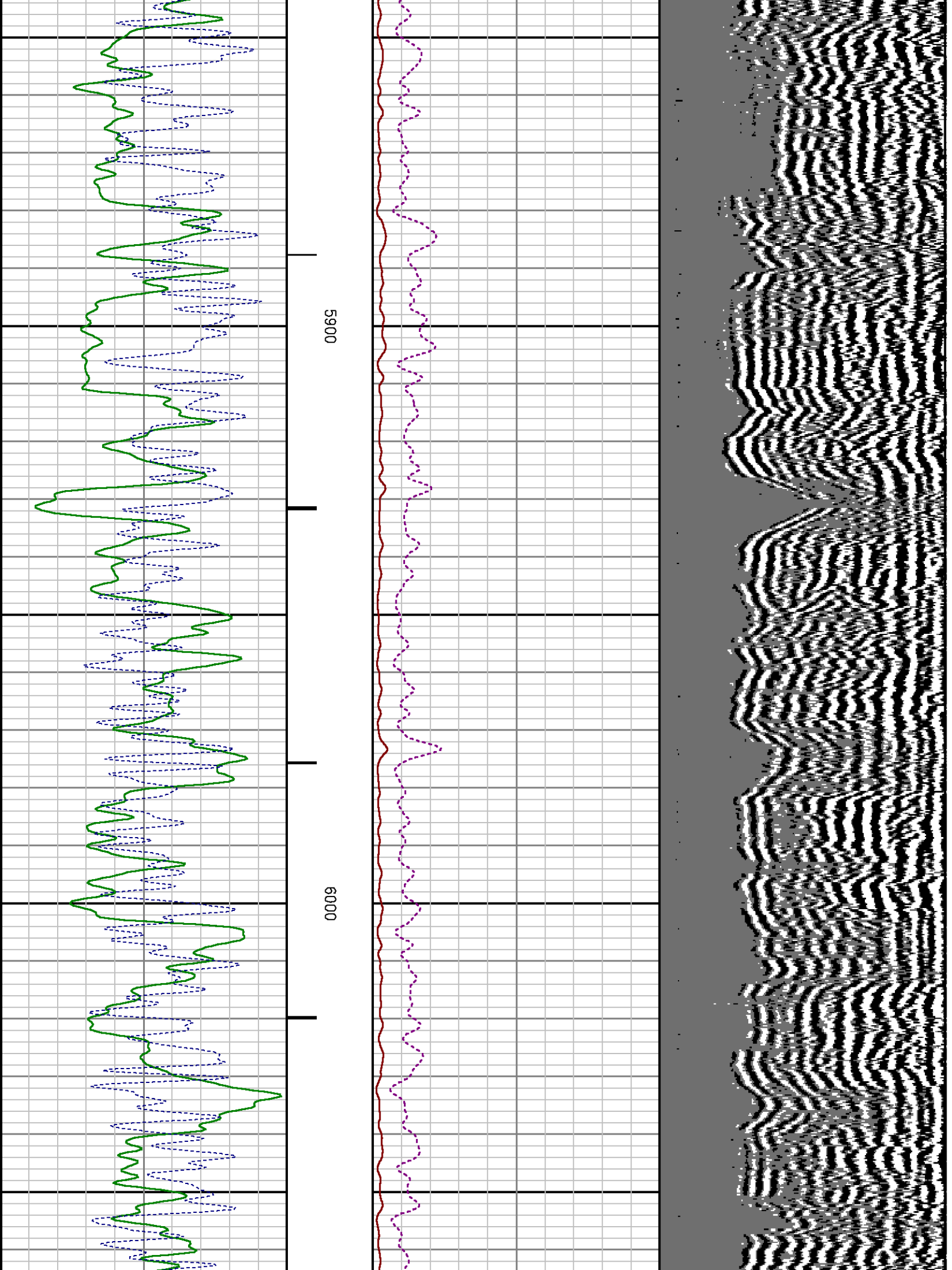


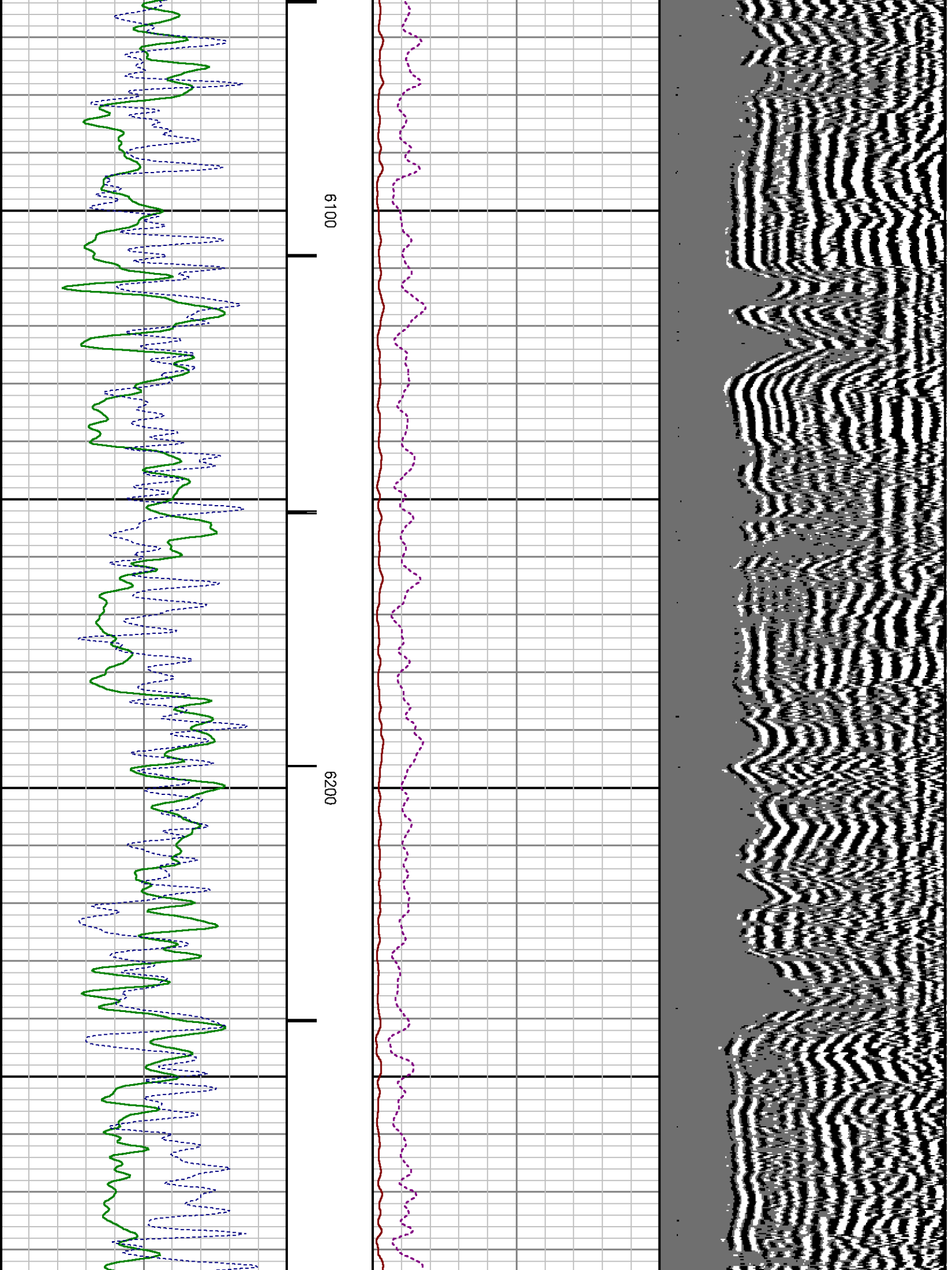


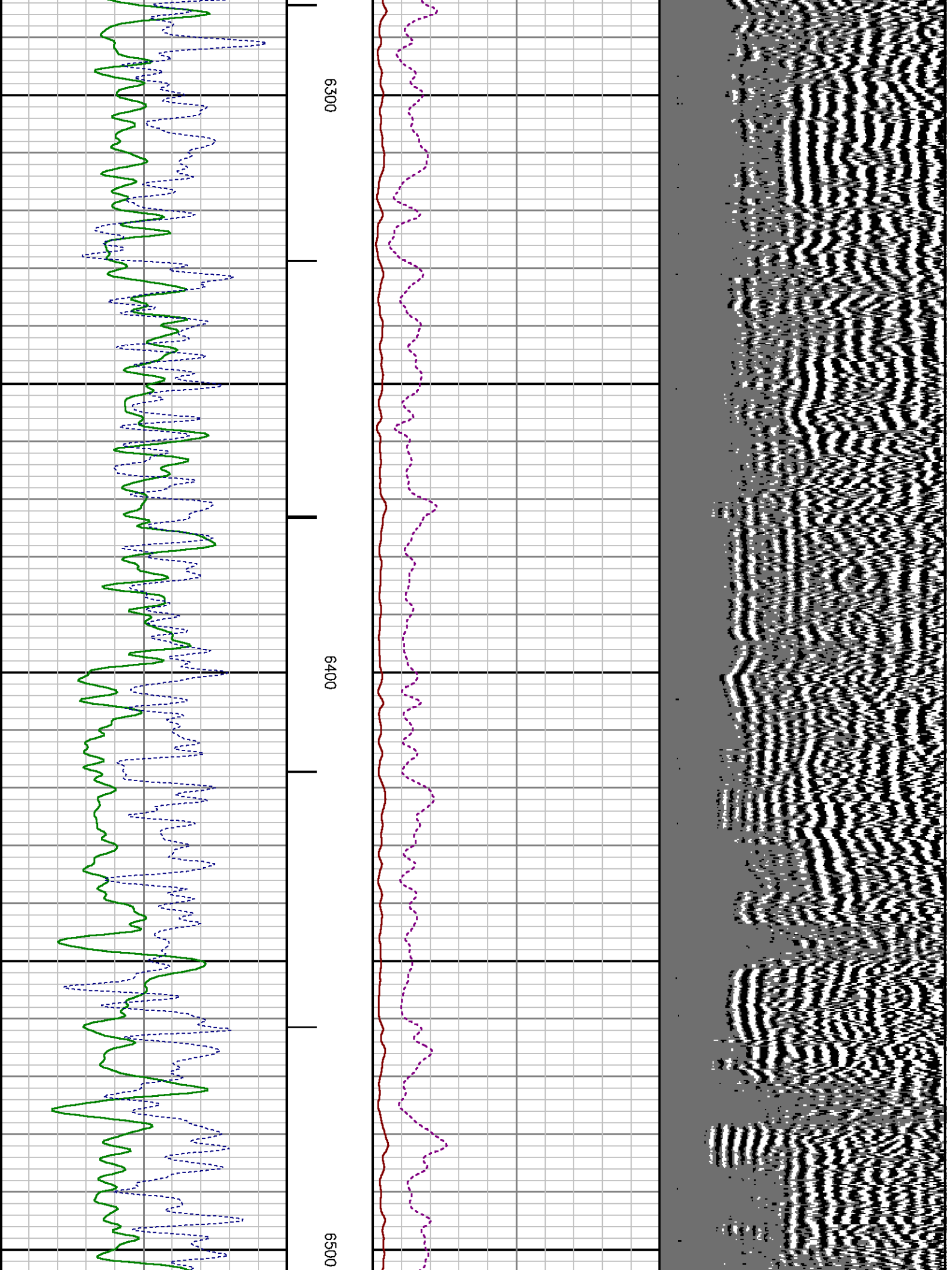


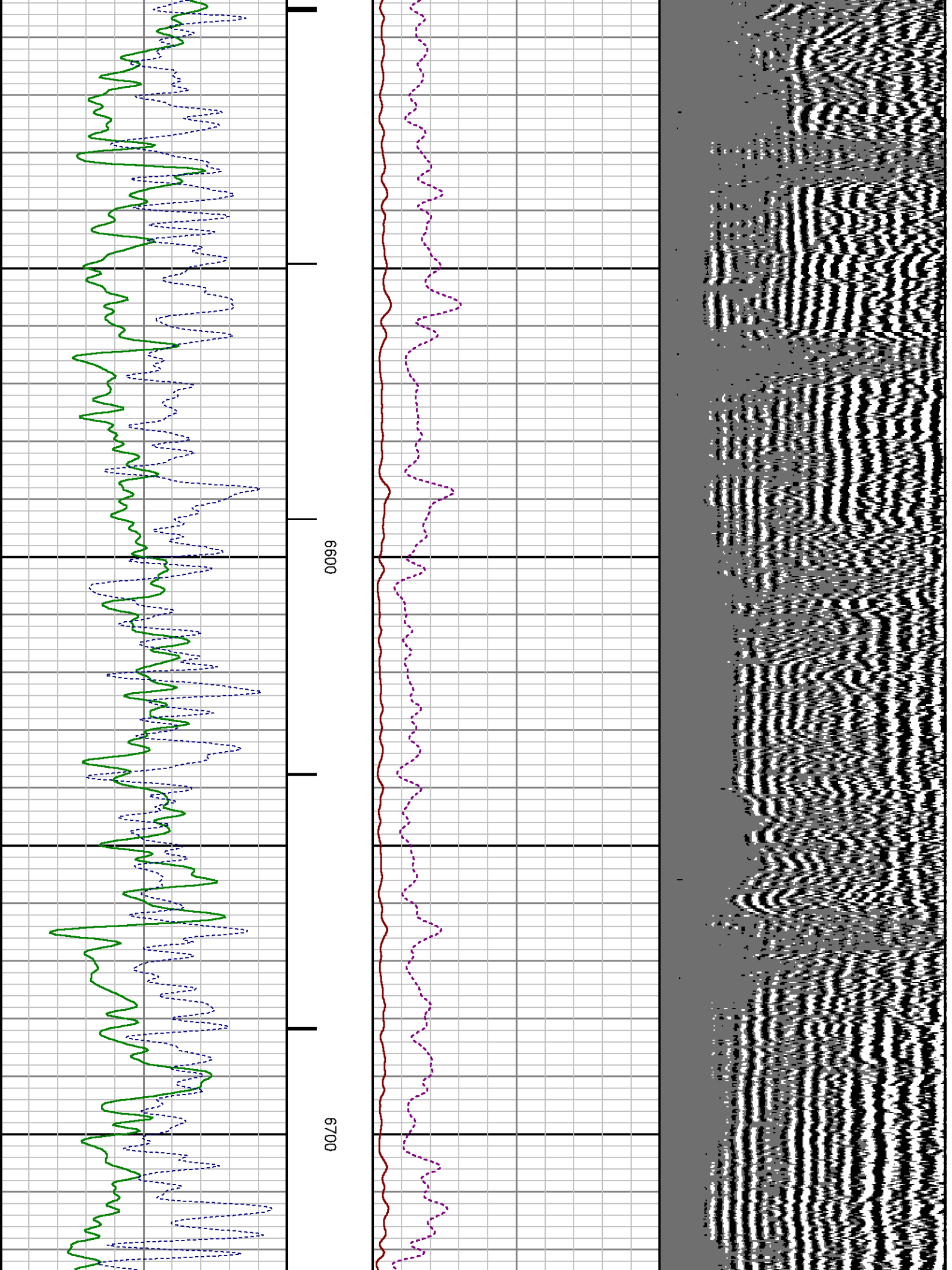


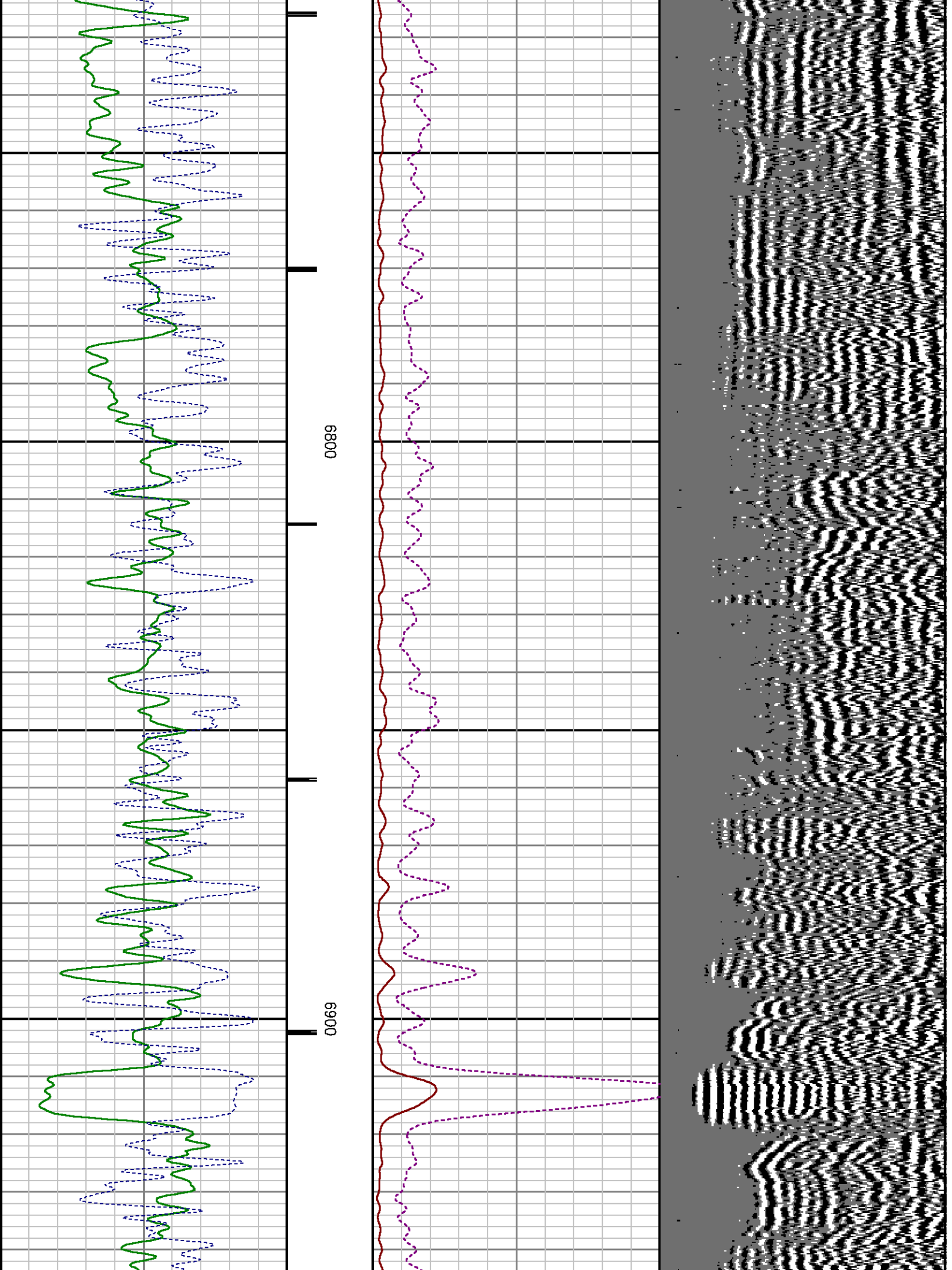


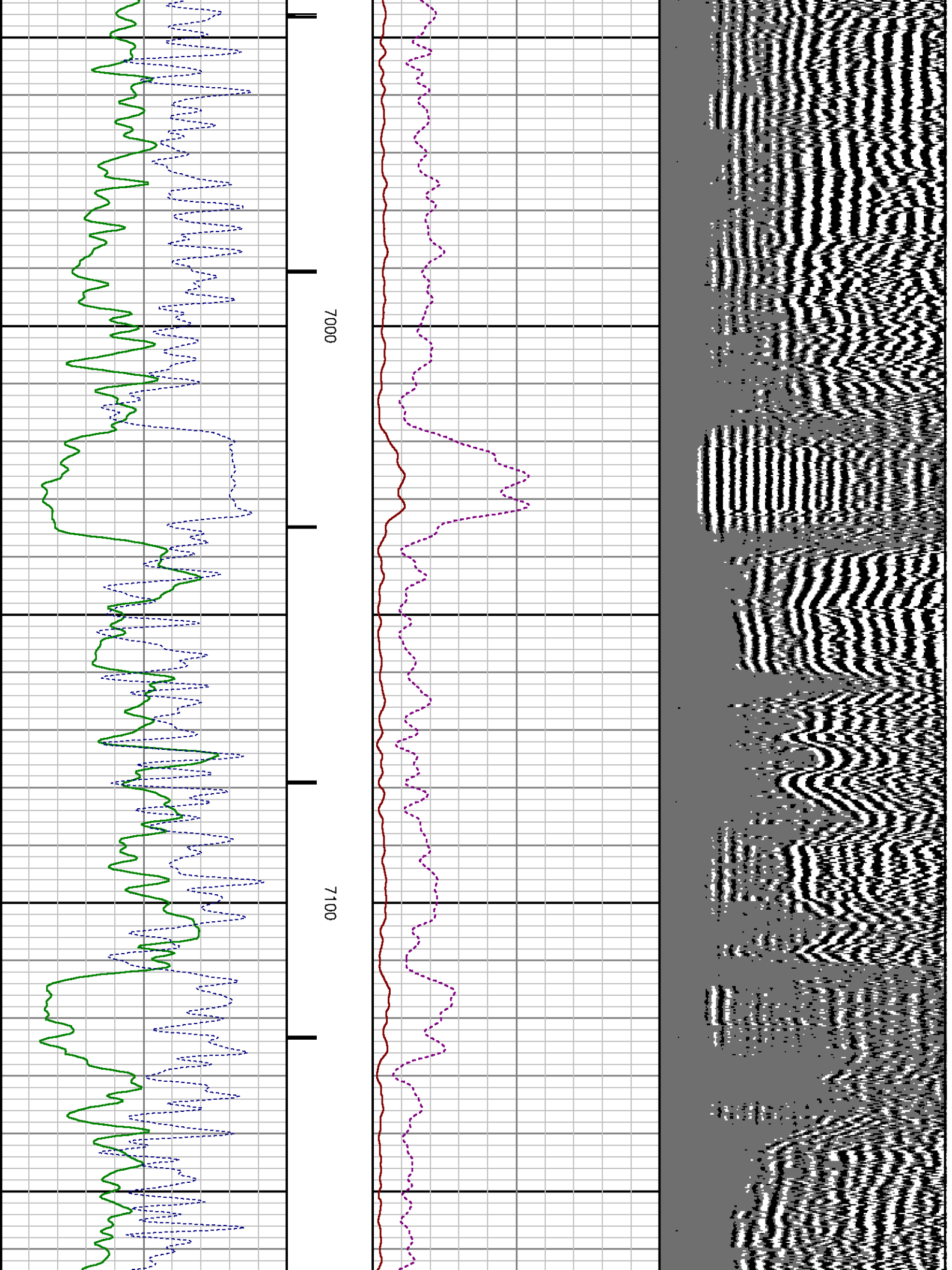


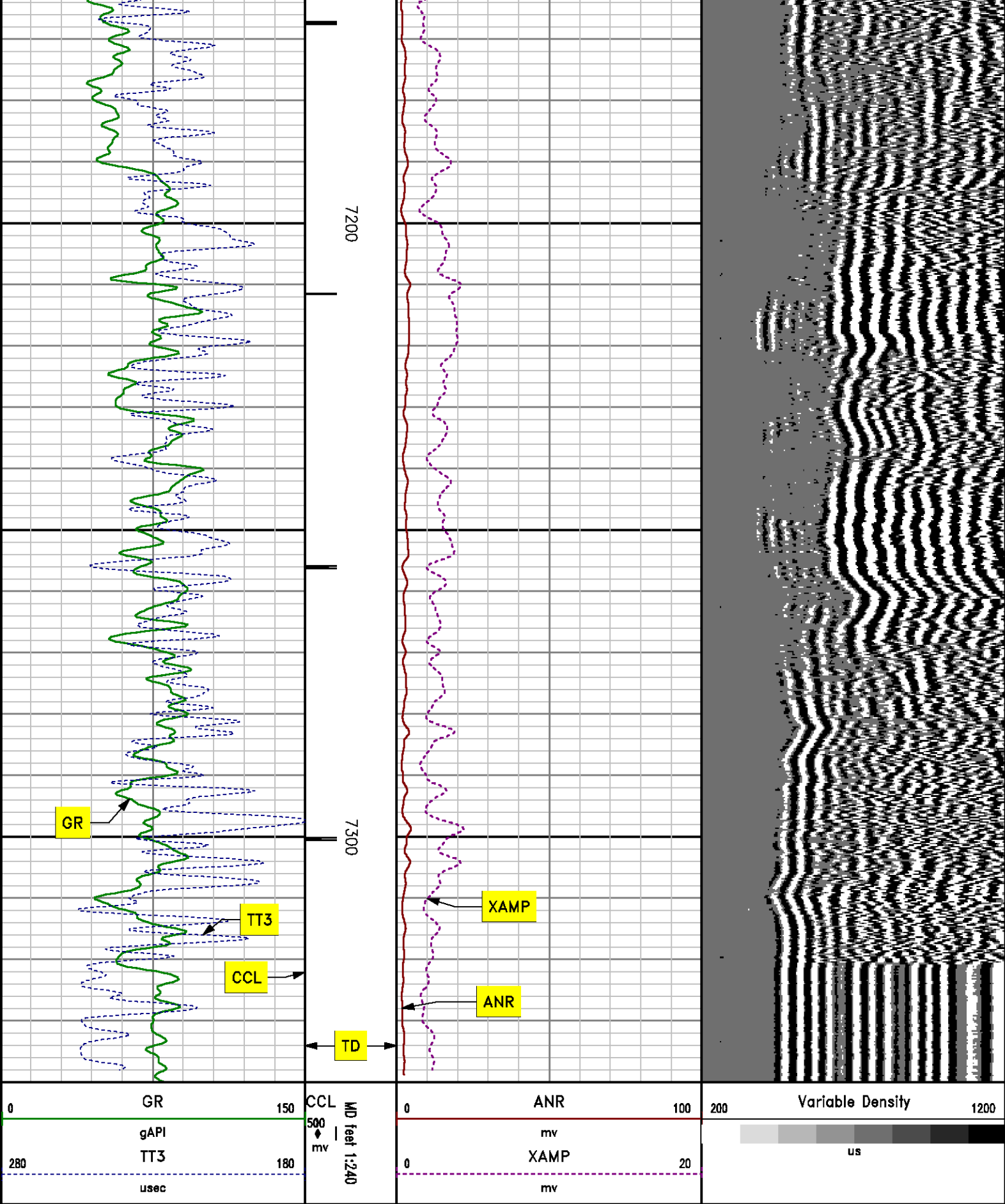












SECONDARY PRESENTATION

SECONDARY REPRESENTATION
0 PSI

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	303.000	usec	13.004	7344.000
RAL	Amp Gate Start Near	196.000	usec	13.004	7344.000
RAL	Amp Gate Start Radial	196.000	usec	13.004	7344.000
RAL	Amp Gate Width Far	25.000	usec	13.004	7344.000
RAL	Amp Gate Width Near	25.000	usec	13.004	7344.000
RAL	Amp Gate Width Radial	25.000	usec	13.004	7344.000
RAL	casing od	4.500	inches	13.004	7344.000
RAL	casing wt	11.600	lbm/ft	13.004	7344.000
RAL	FB Start Far	291.900	usec	13.004	7344.000
RAL	FB Start Near	175.391	usec	13.004	7344.000
RAL	FB Start Radial	175.391	usec	13.004	7344.000
RAL	FB Thresh Far	10.000	mv	13.004	7344.000
RAL	FB Thresh Near	4.000	mv	13.004	7344.000
RAL	FB Thresh Radial	4.000	mv	13.004	7344.000
RAL	Fluid Travel Time	200.000	usec/ft	13.004	7343.566

DEPTH OFFSETS
(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES									
		ACAL	ANR	AR1	AR2	AR3	AR4	AR5	AR6		
1426XA	-16.750	AR7	AR8	CHV	FPR2	FPR3	FPR5	TT3	TTR1	TTR2	TTR3
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP				
		AFAR	SIG	TT5							
1426XA	-15.750										
2459XA	-11.340	CCL									
2459XA	-9.490	GR									
2459XA	-4.090	NEU									

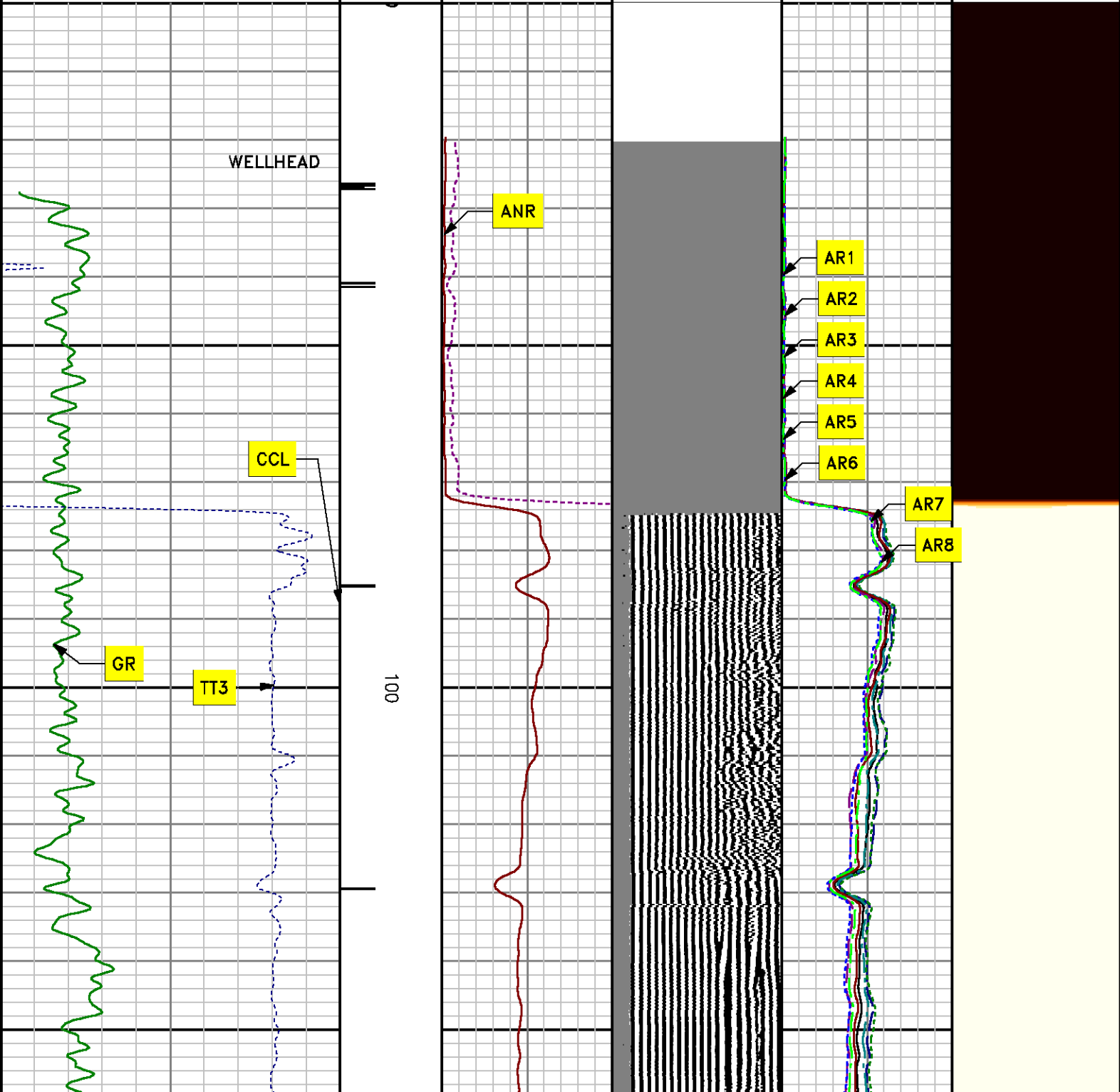
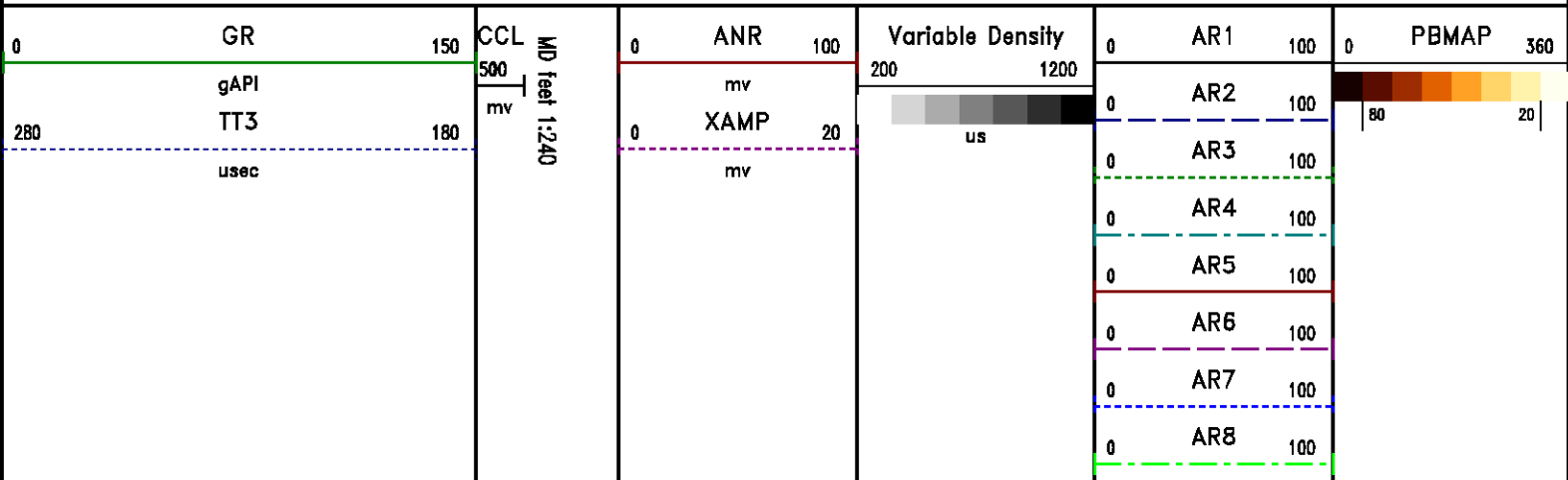
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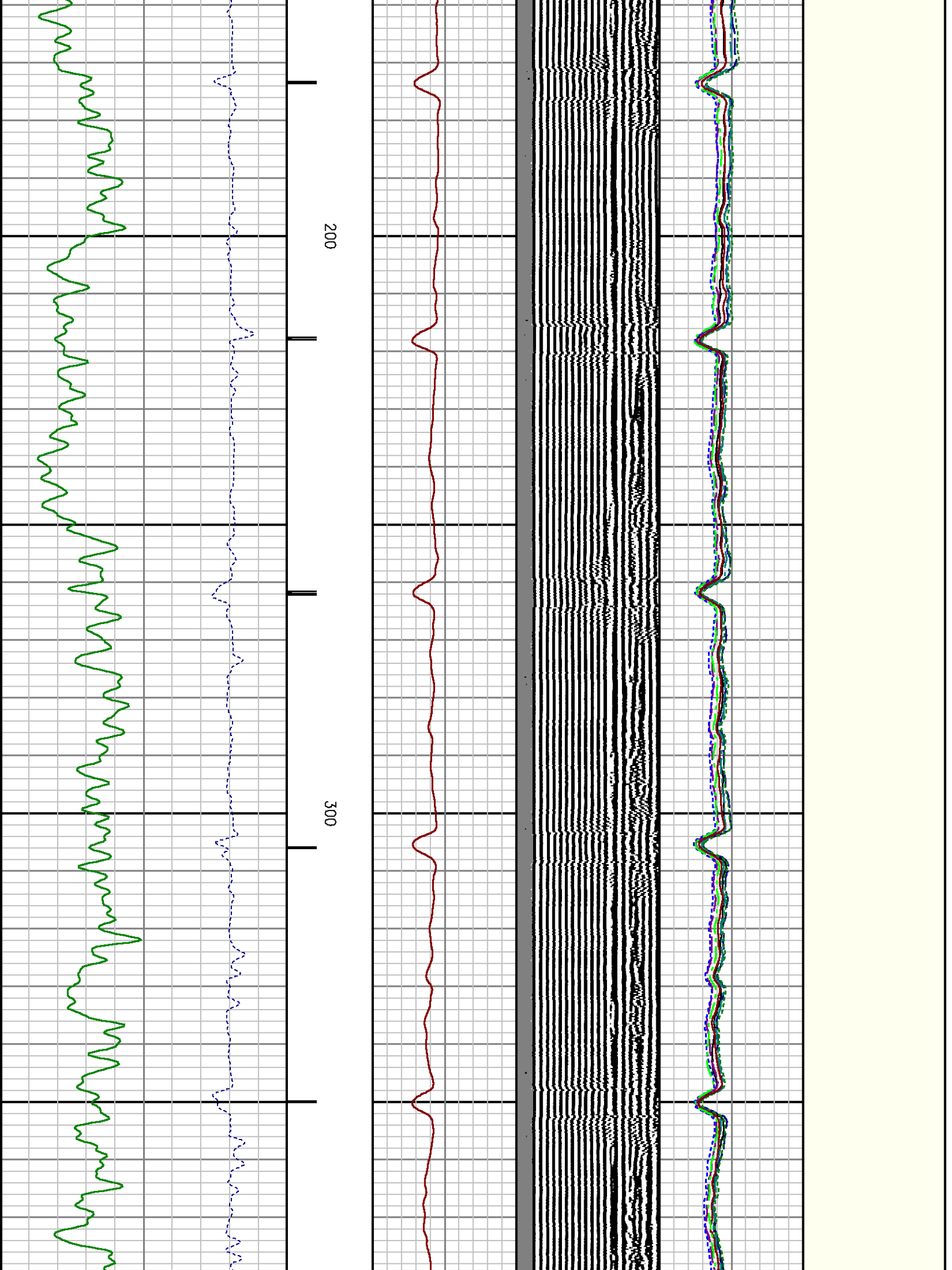
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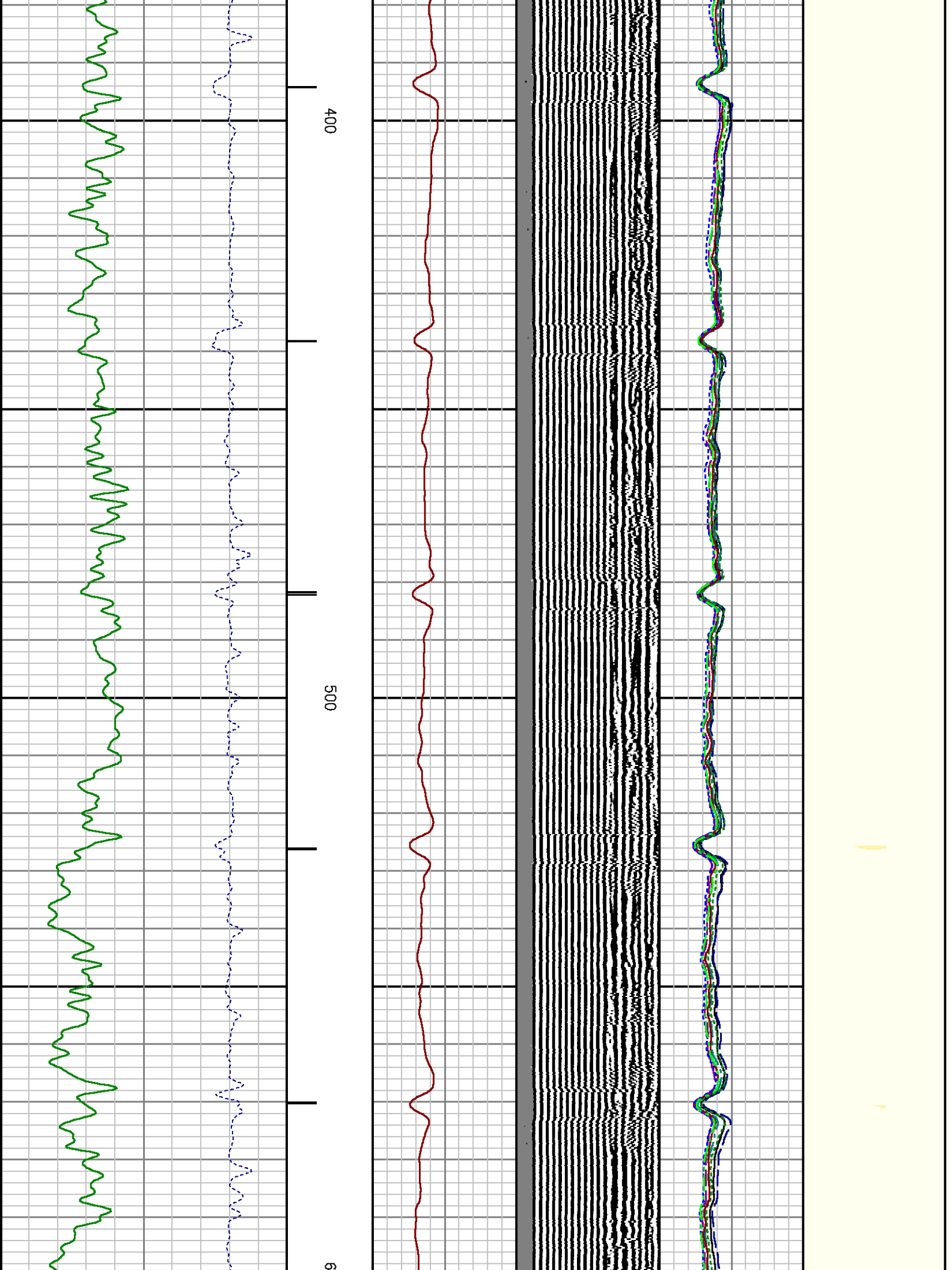
Company : WPX ENERGY

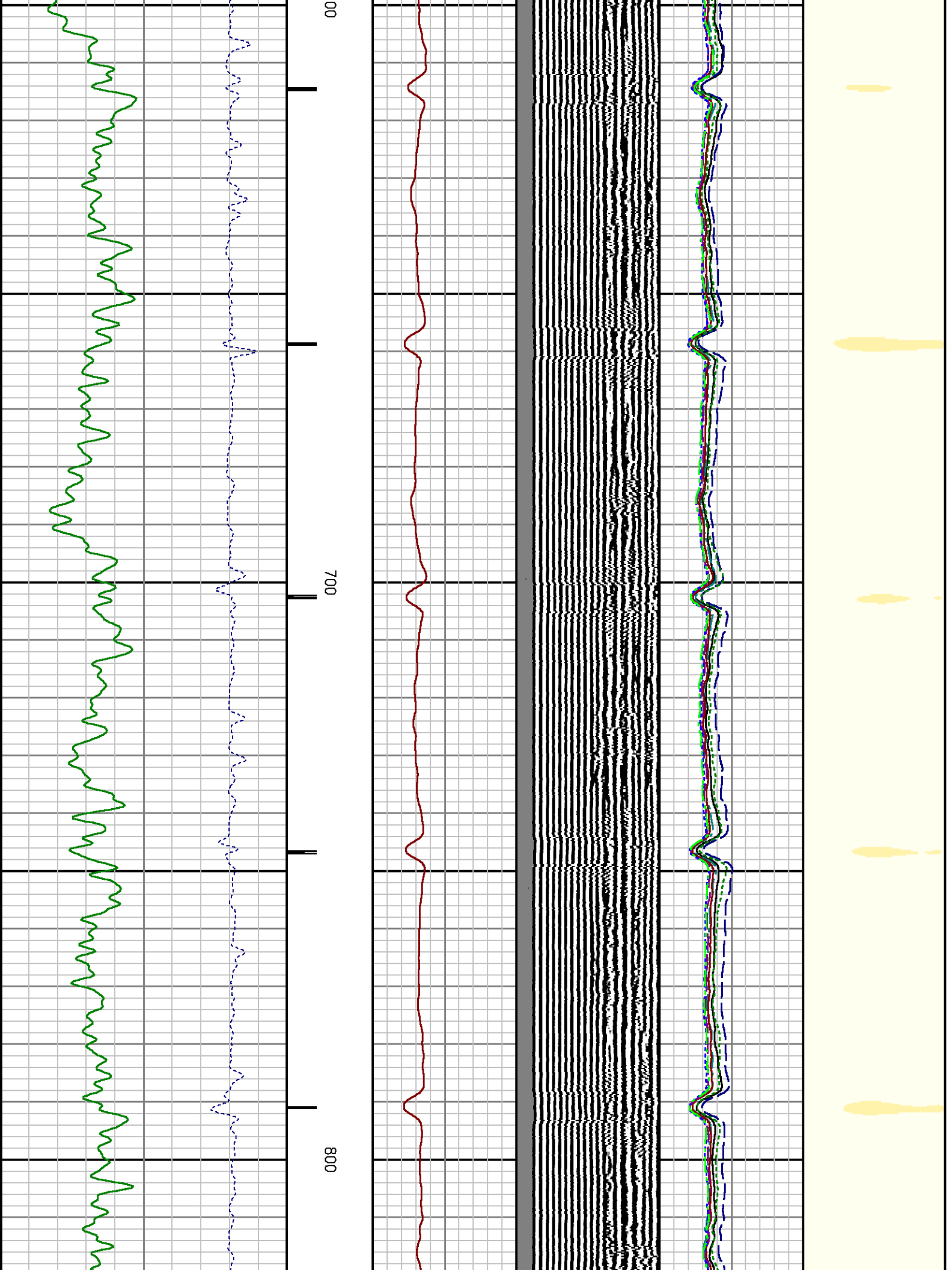
Well : JOLLEY KP 514-9

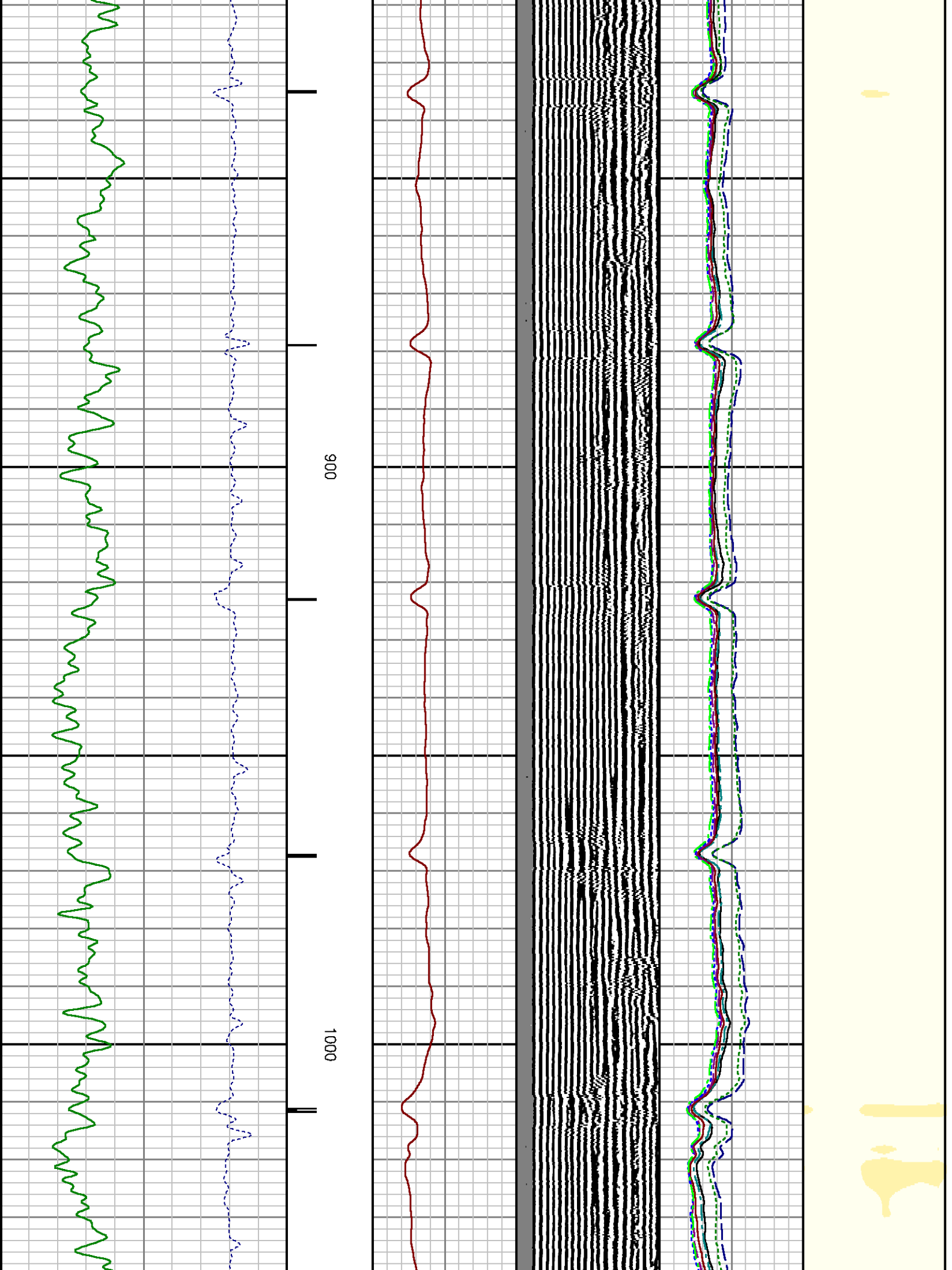
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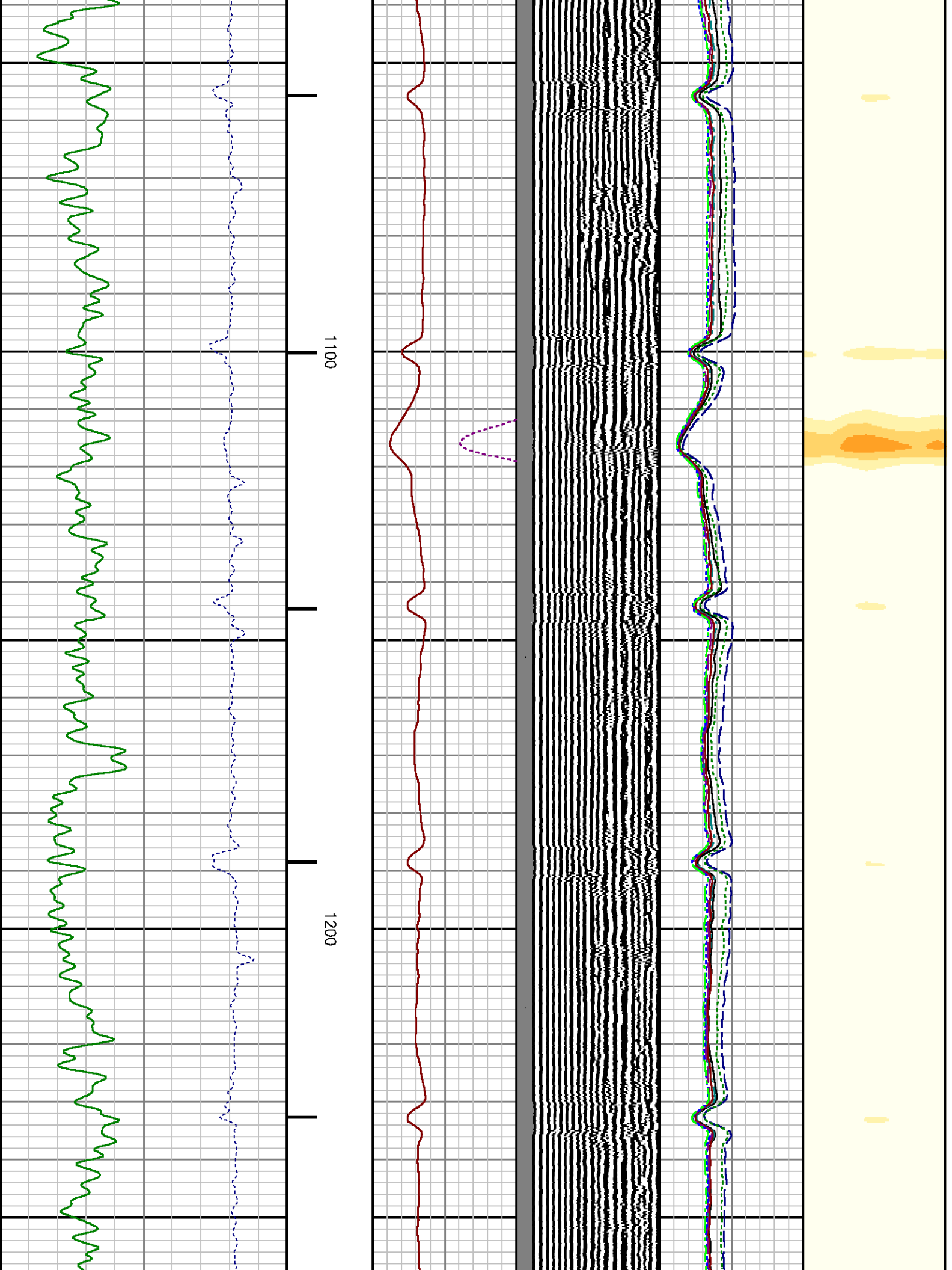


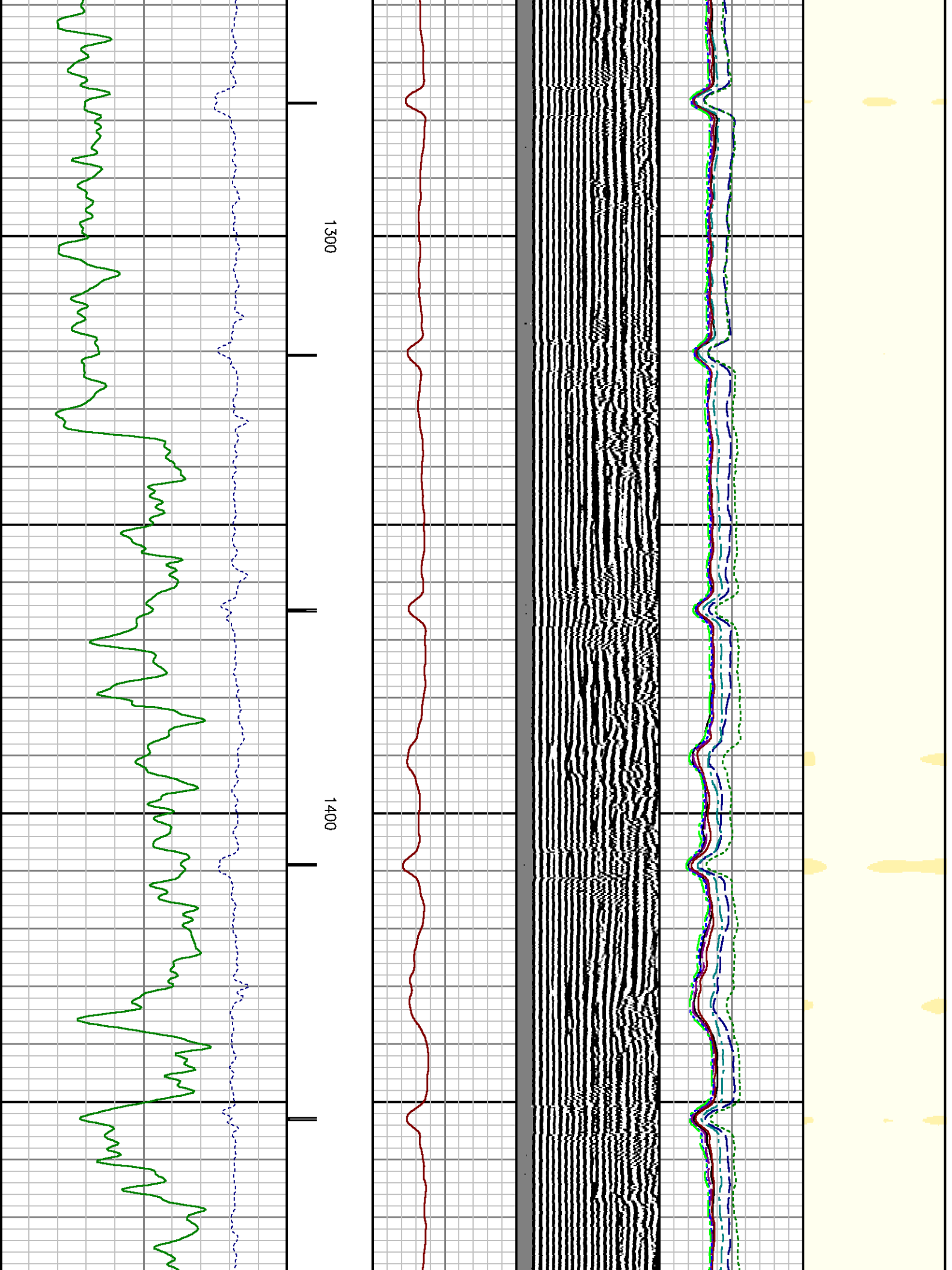


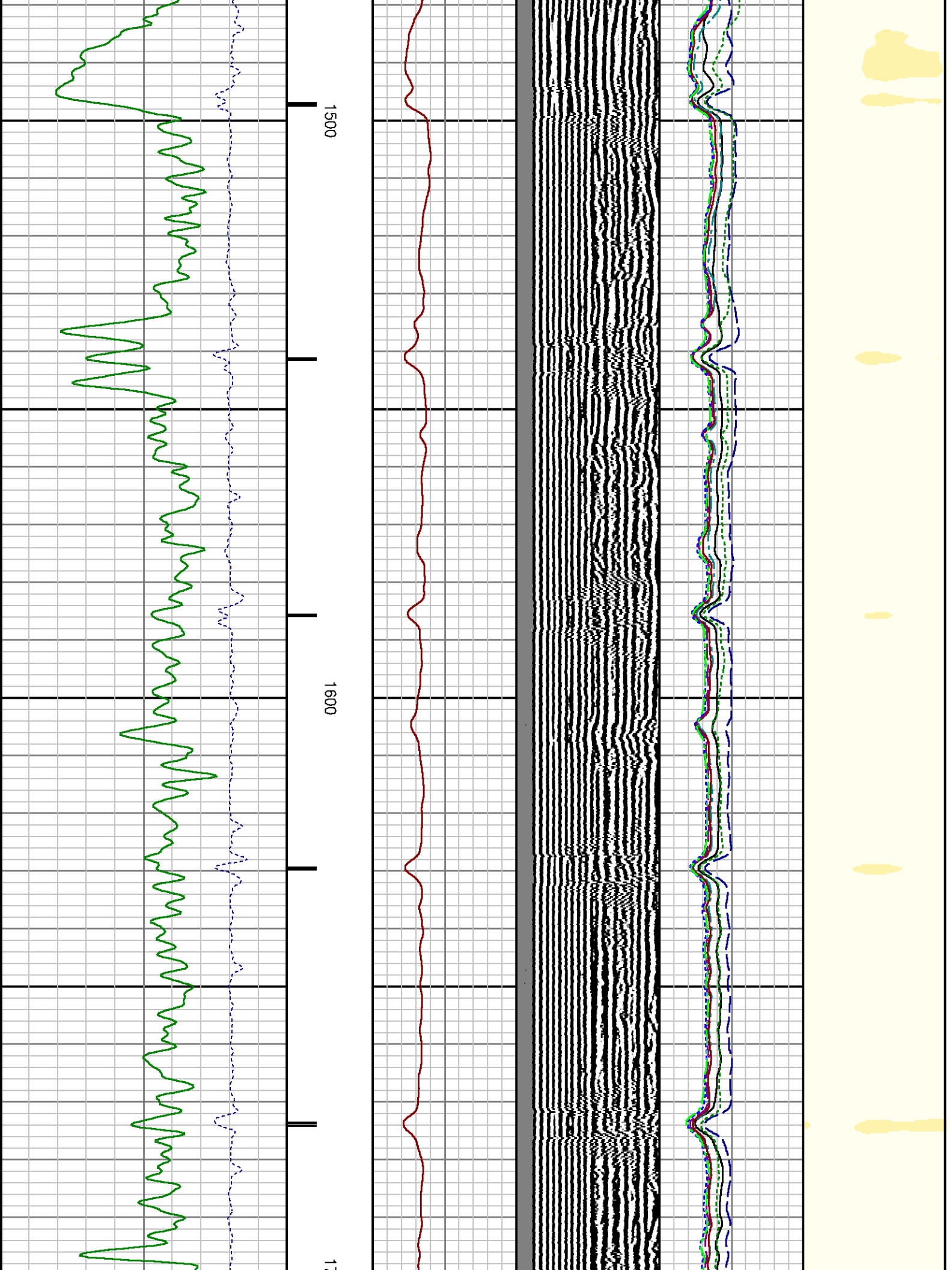


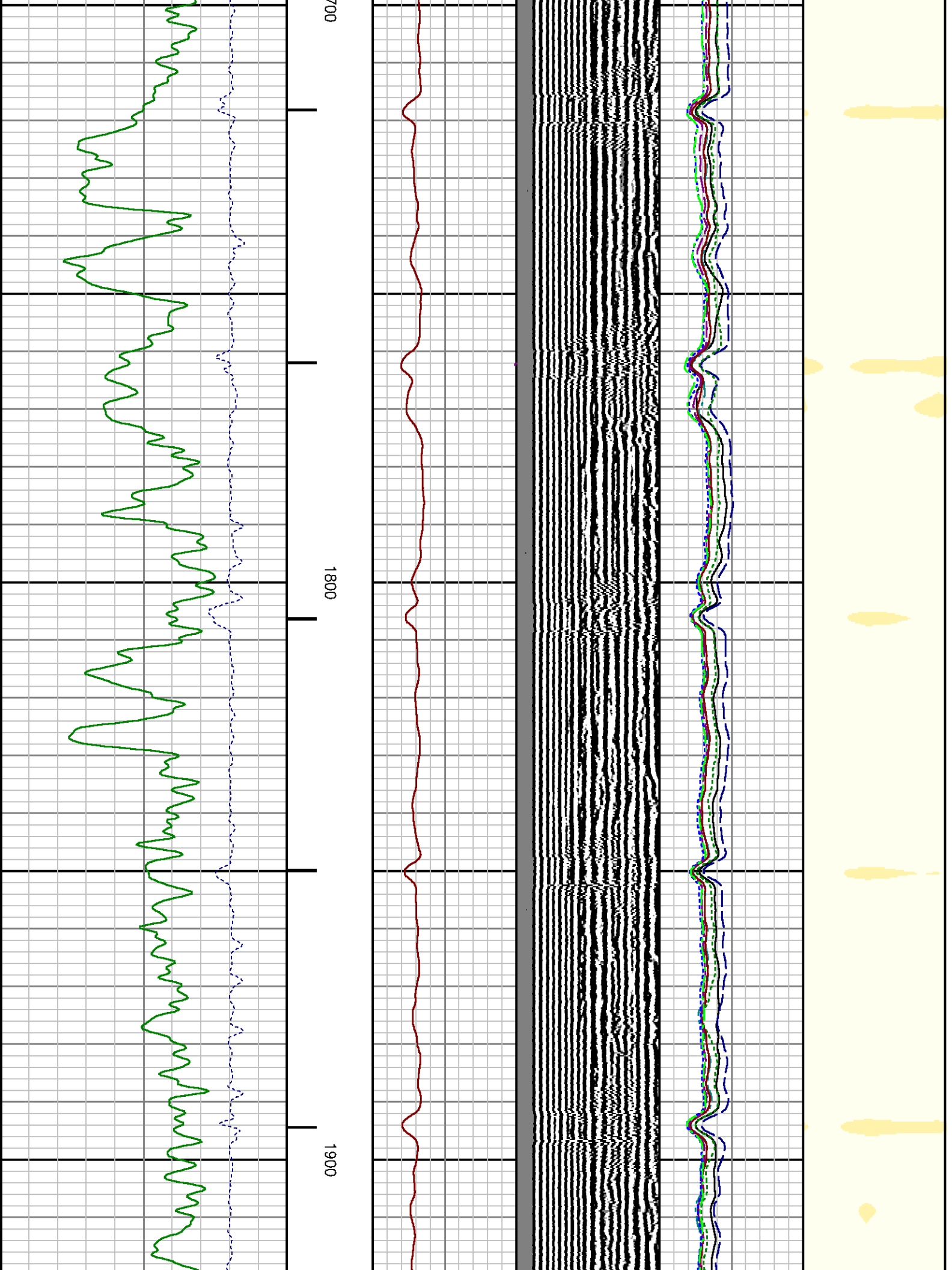


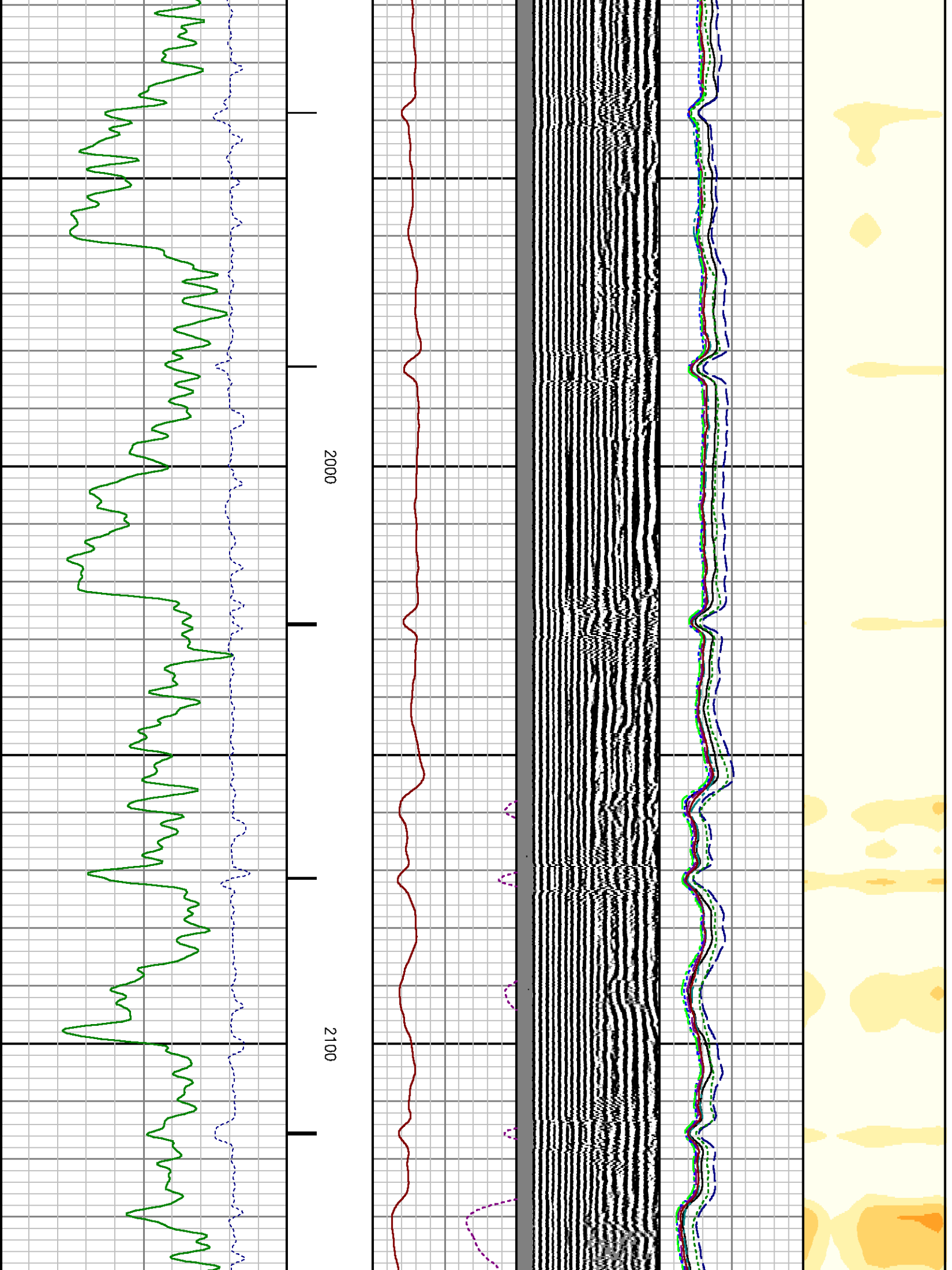


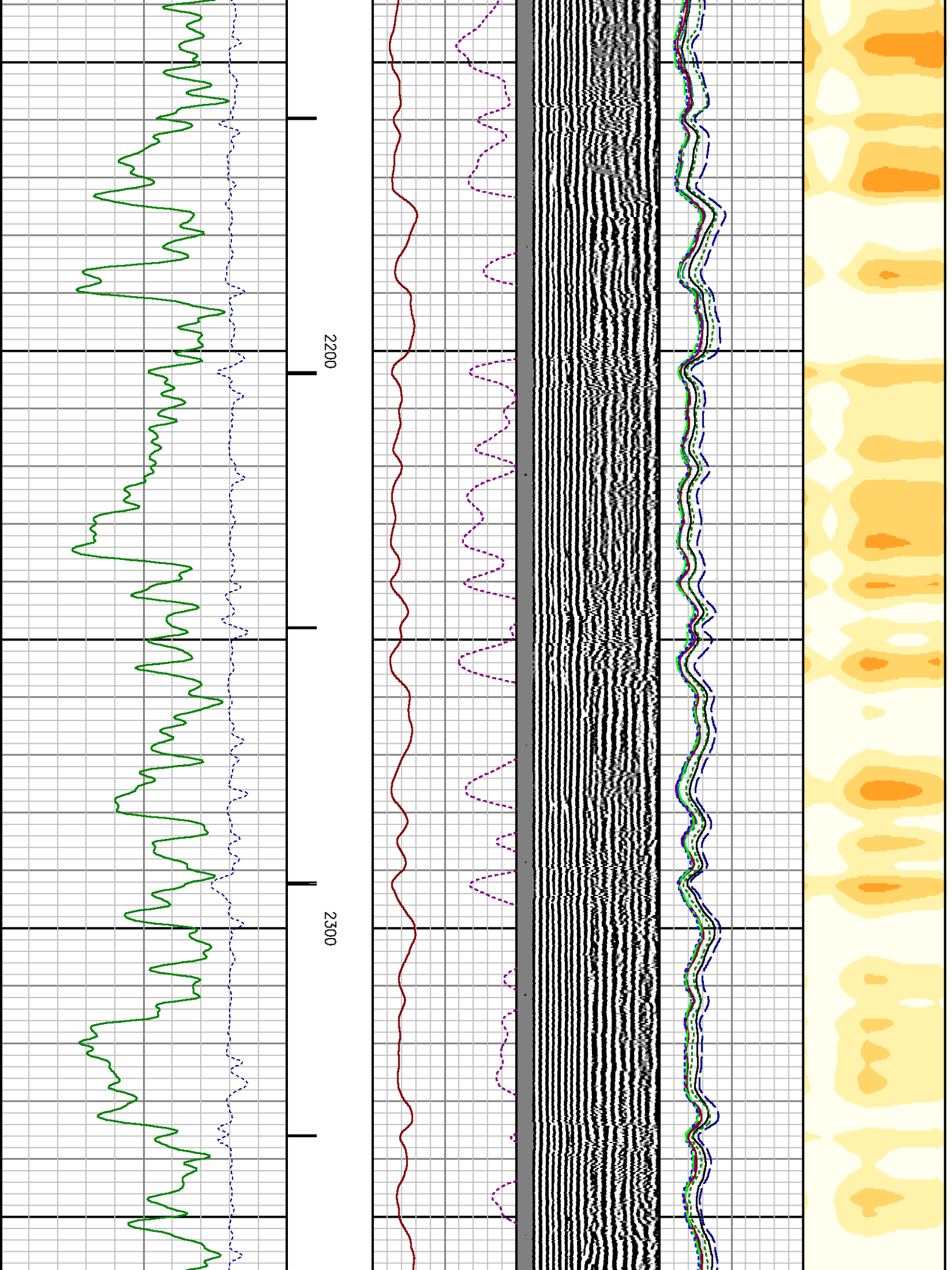


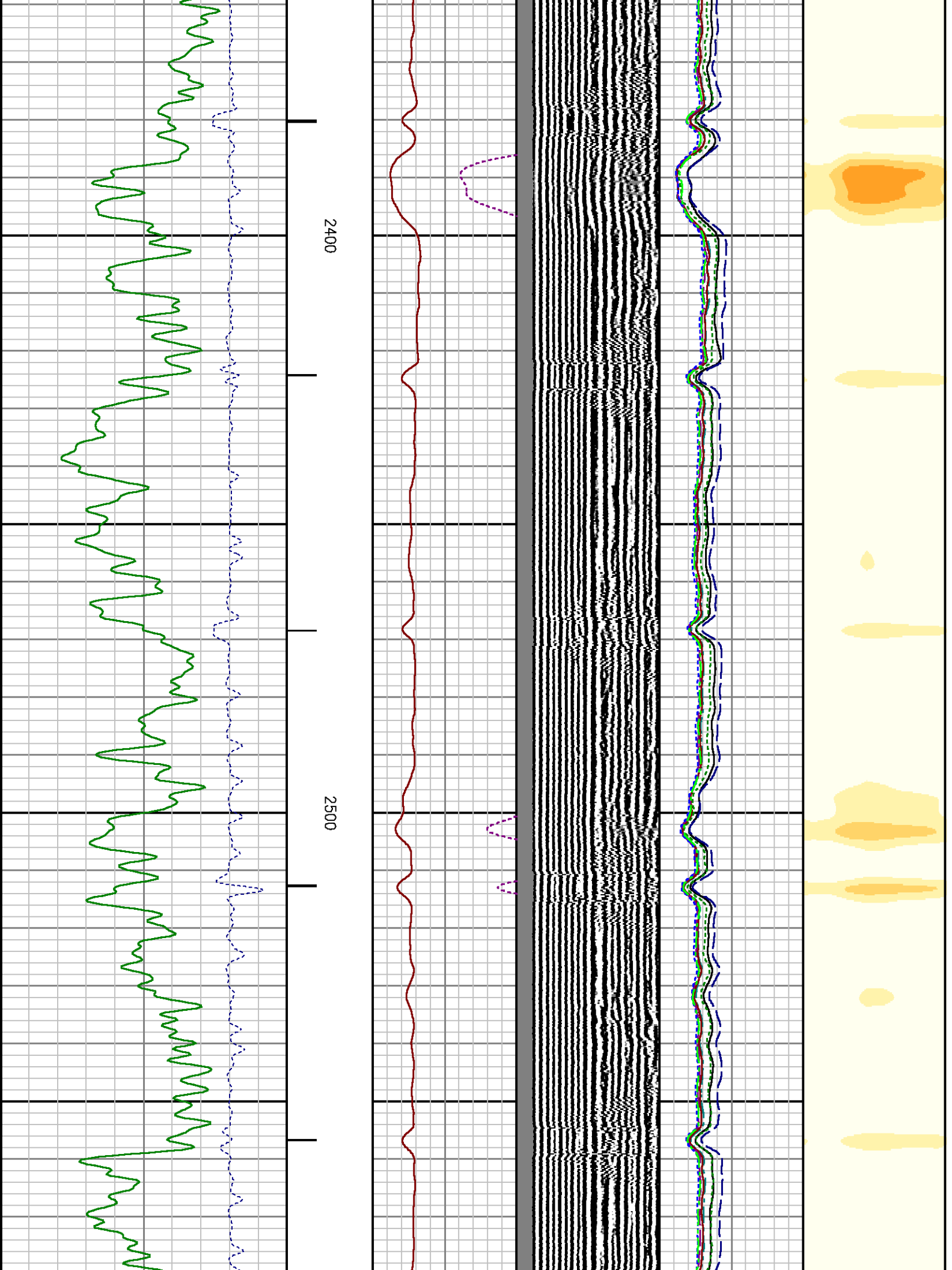


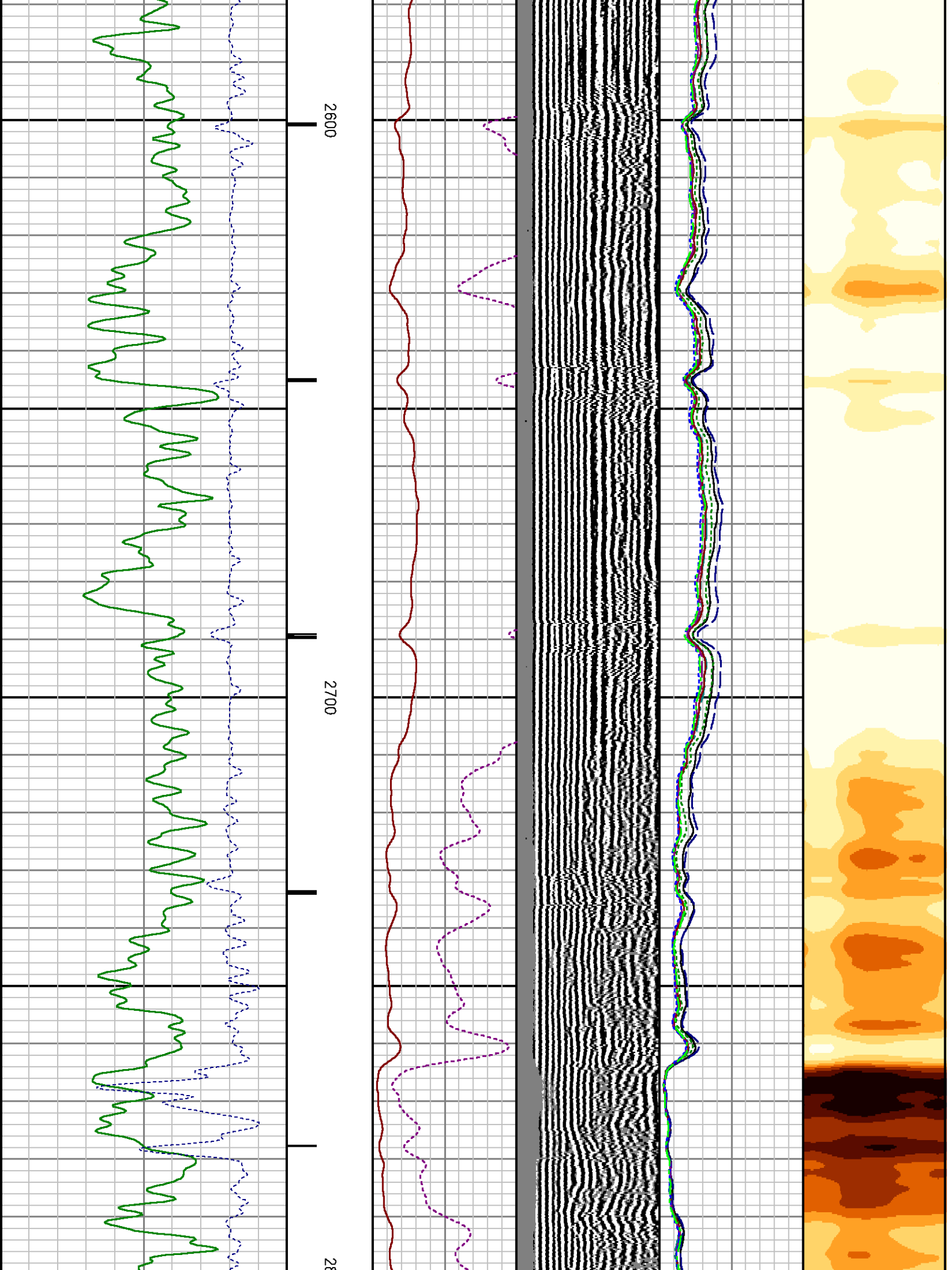


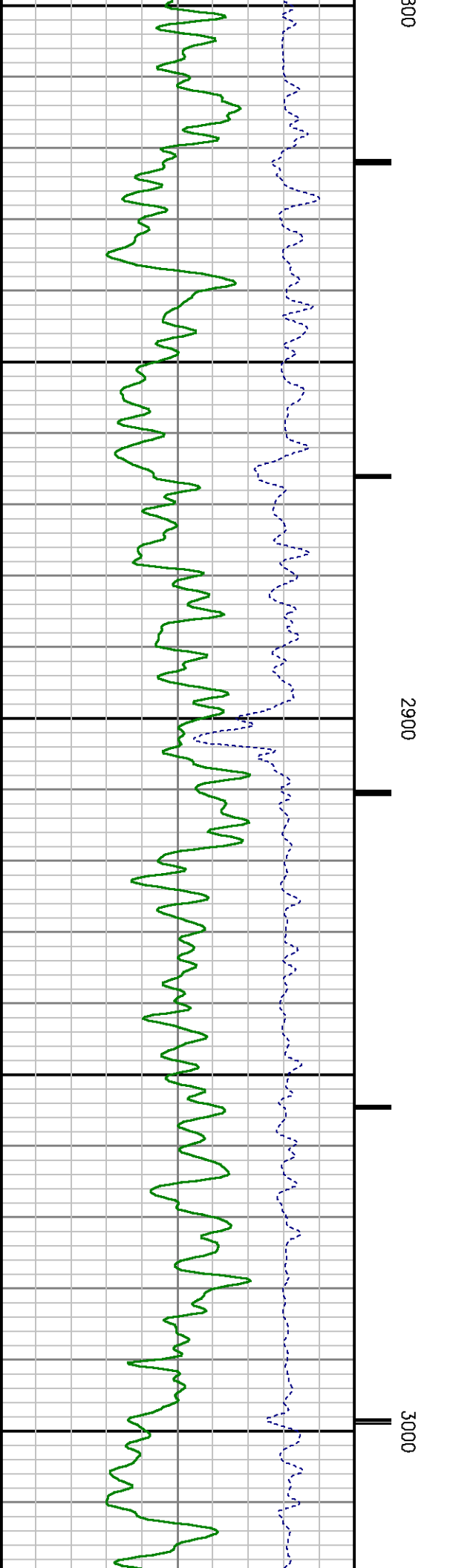
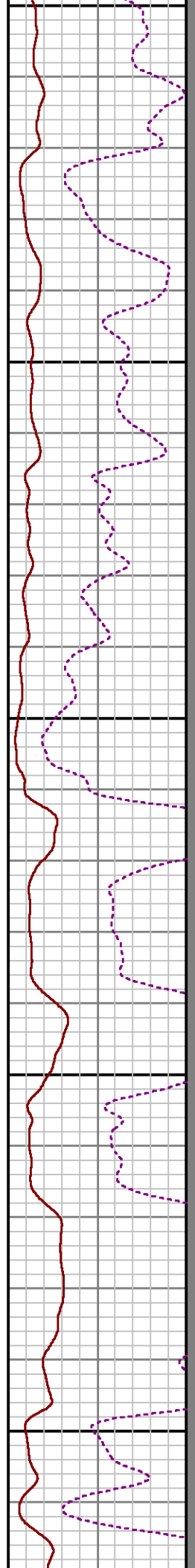
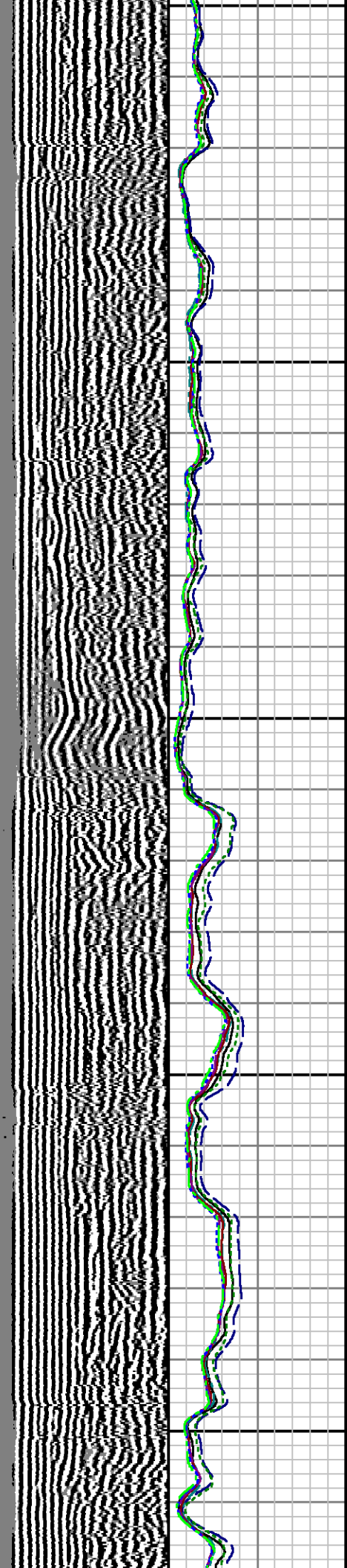


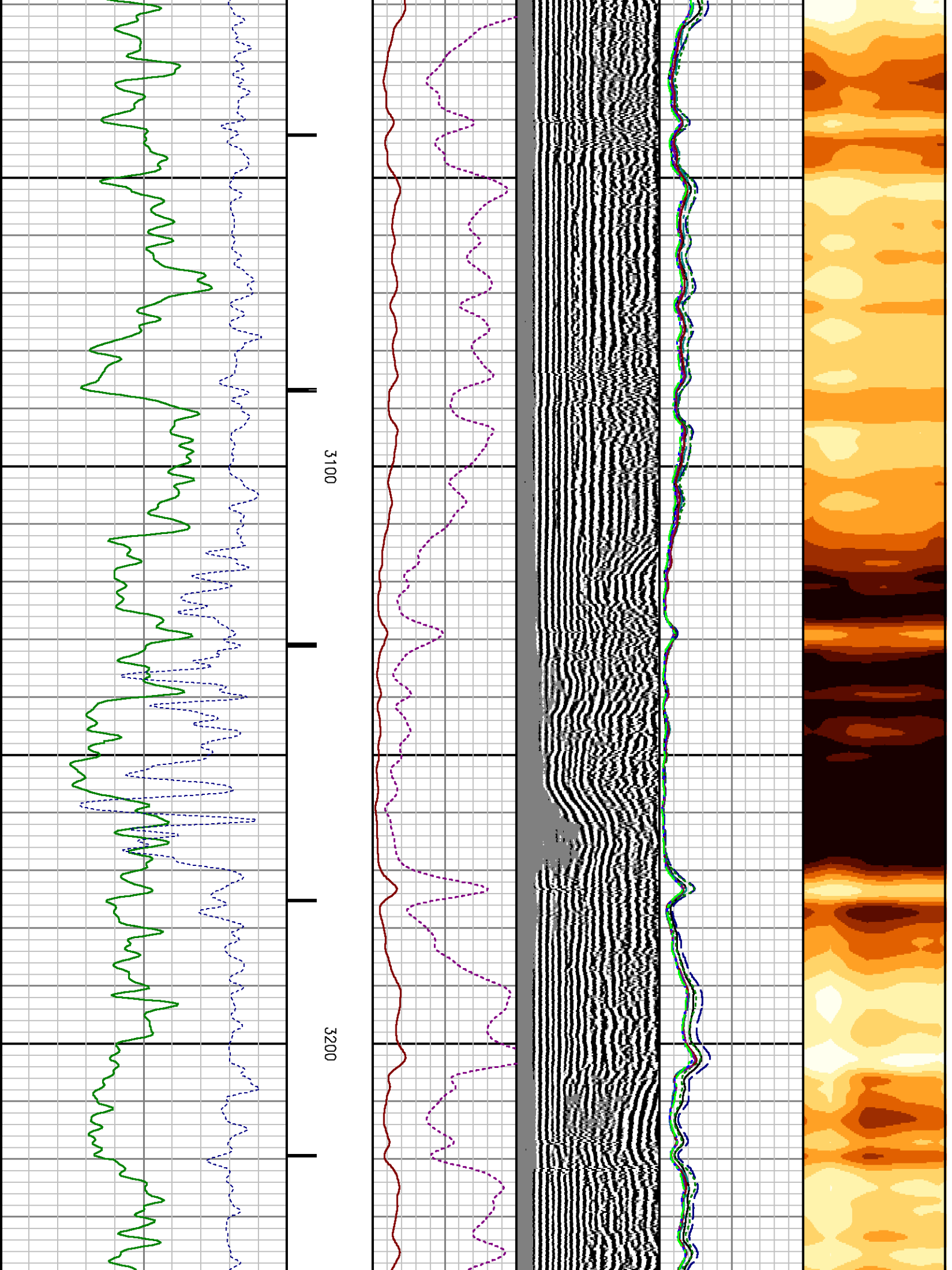


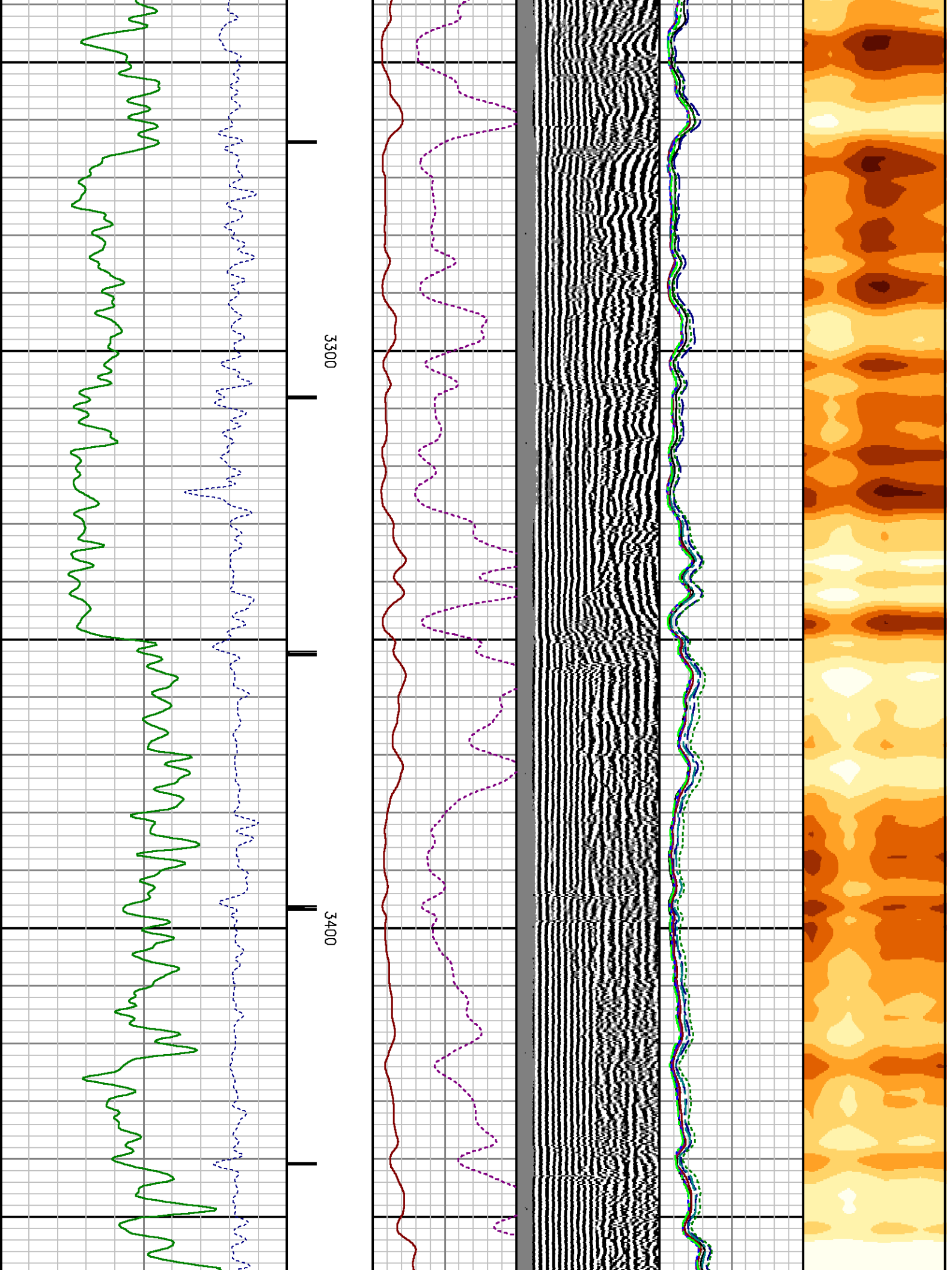


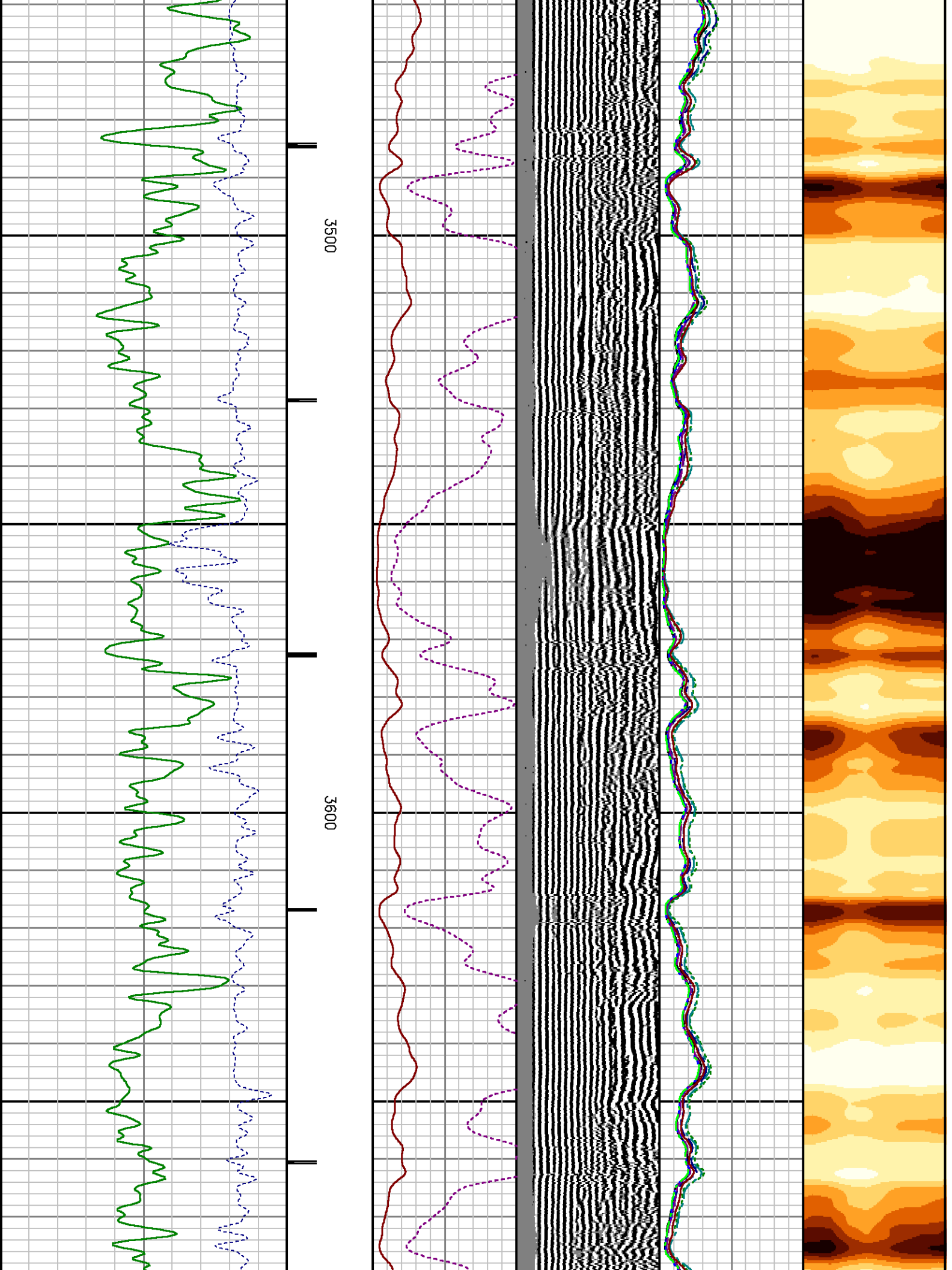


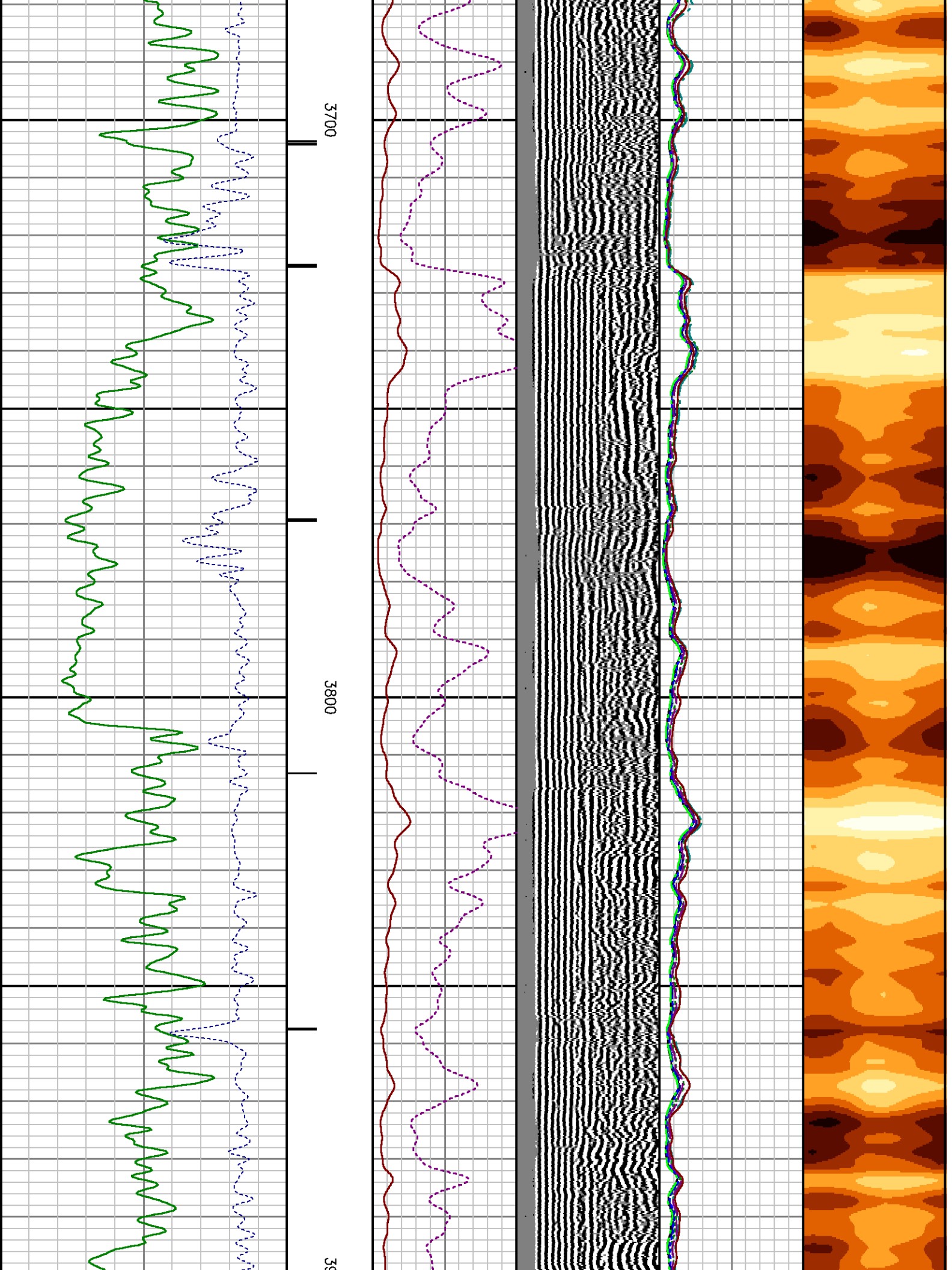


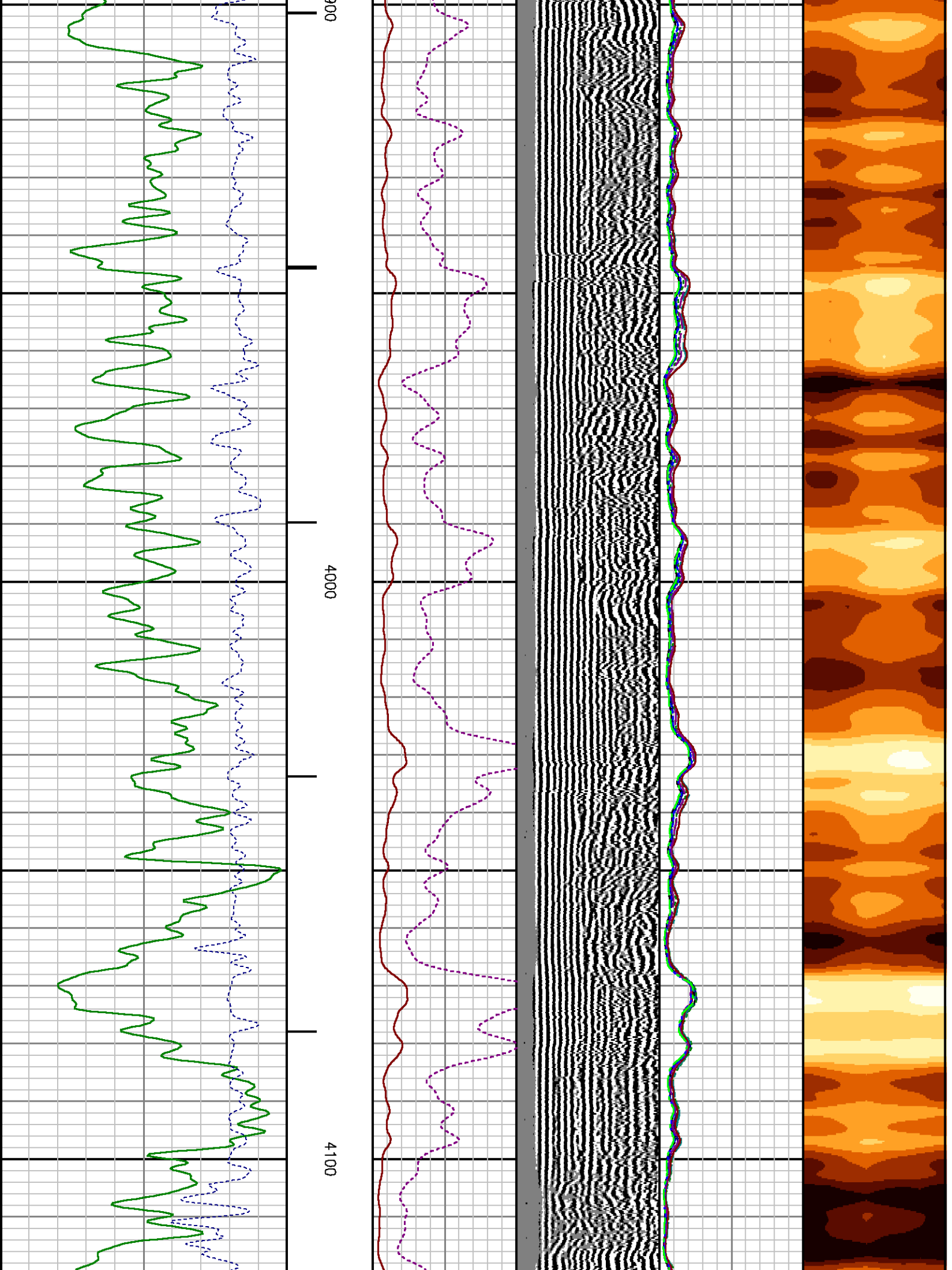


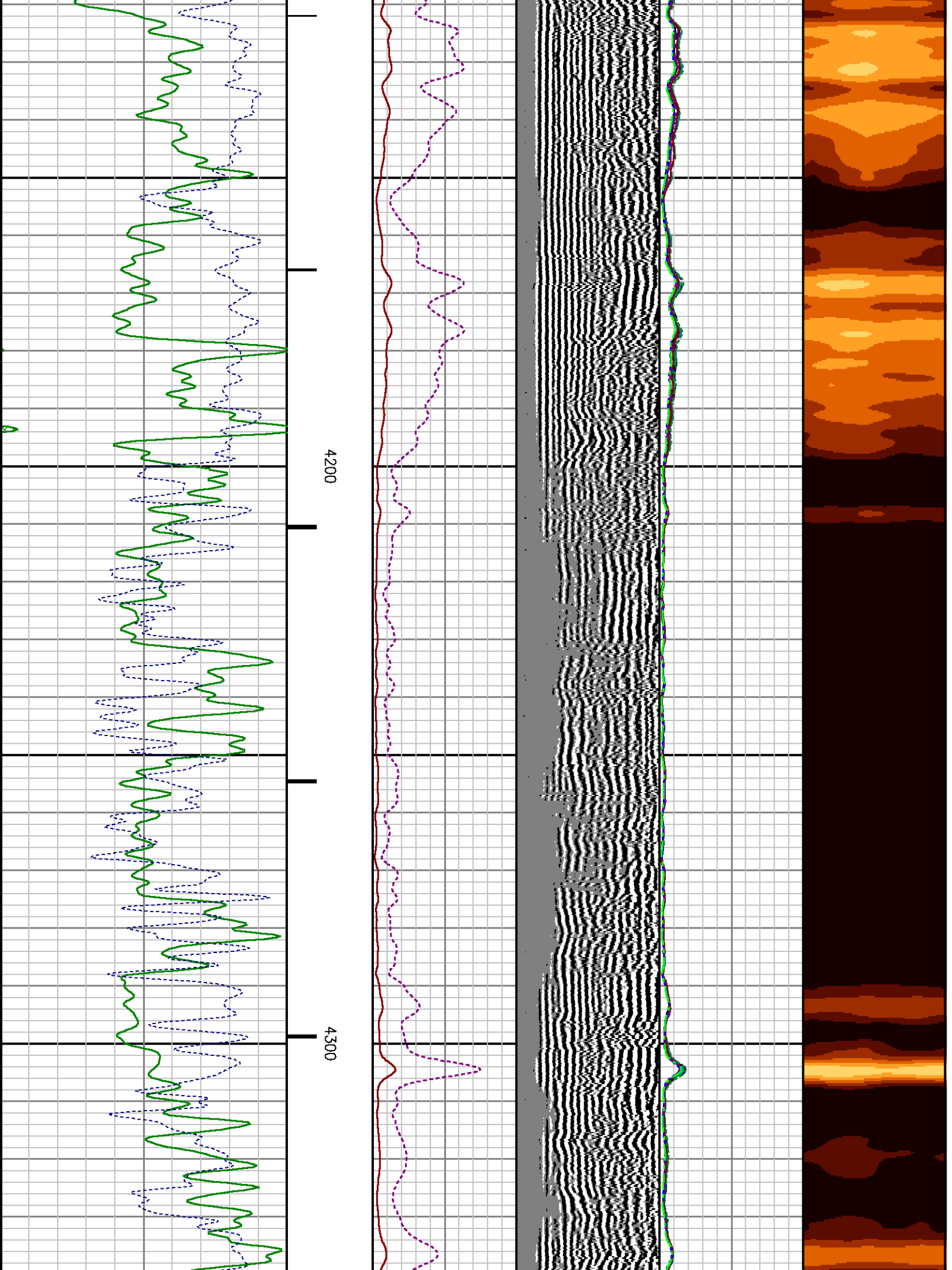


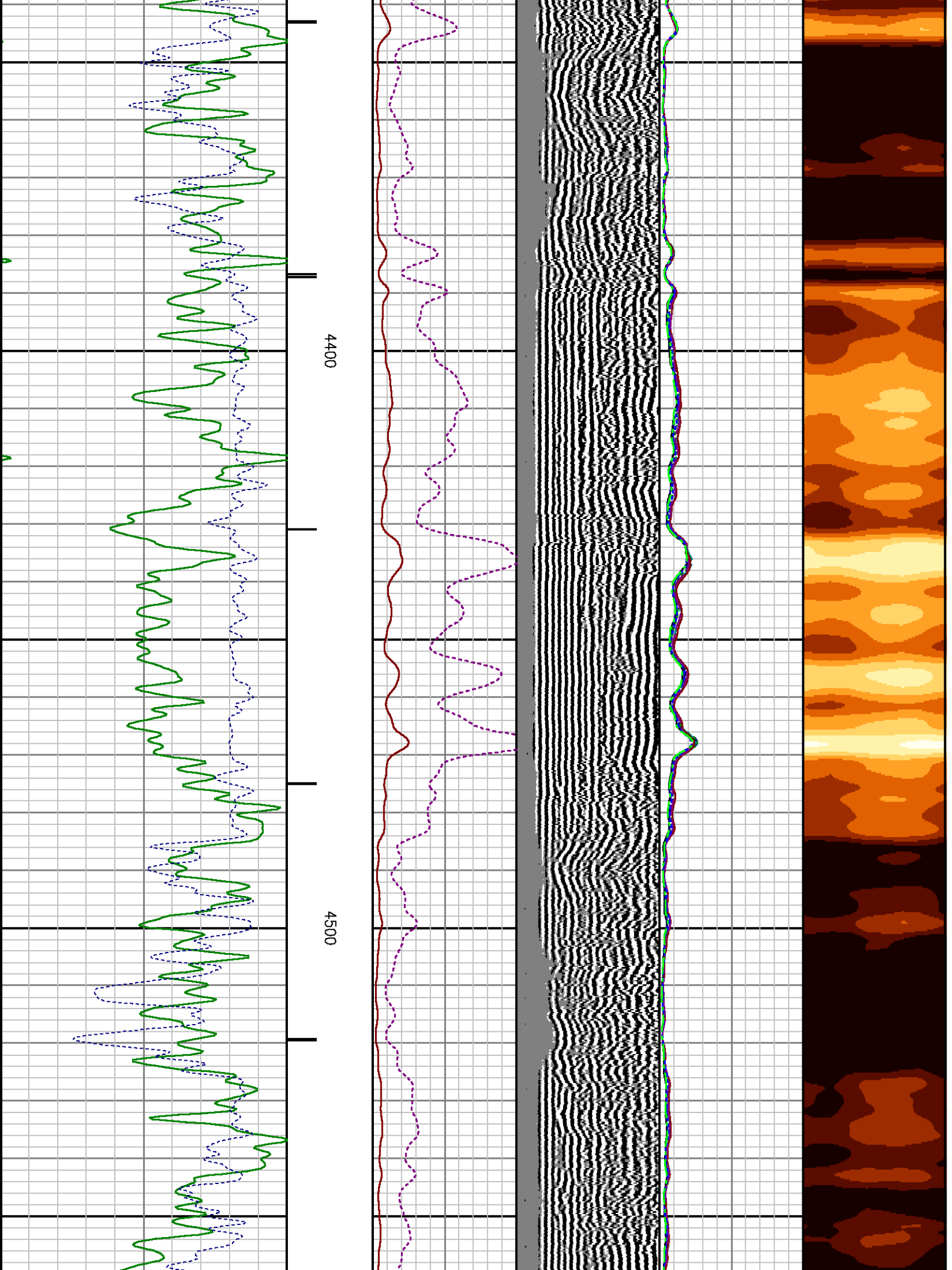


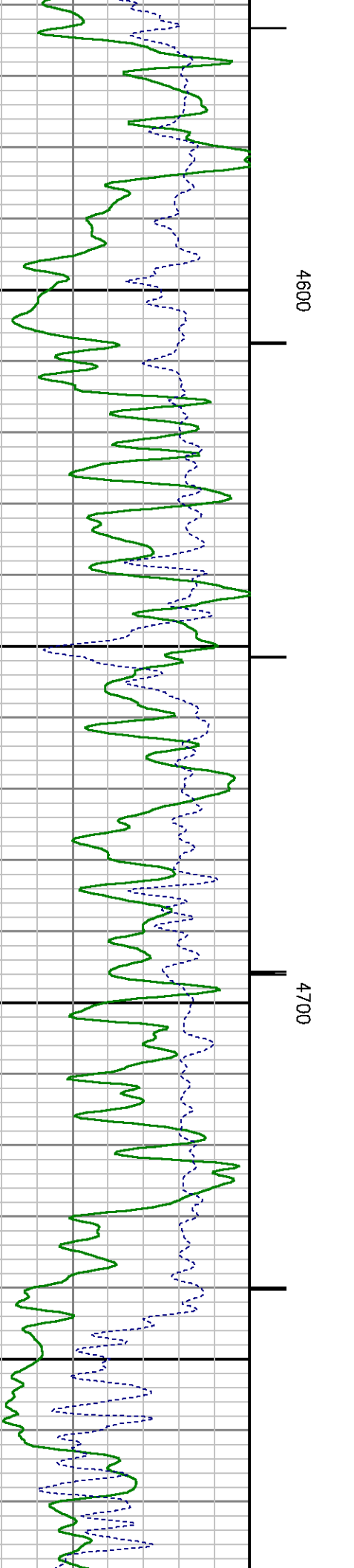
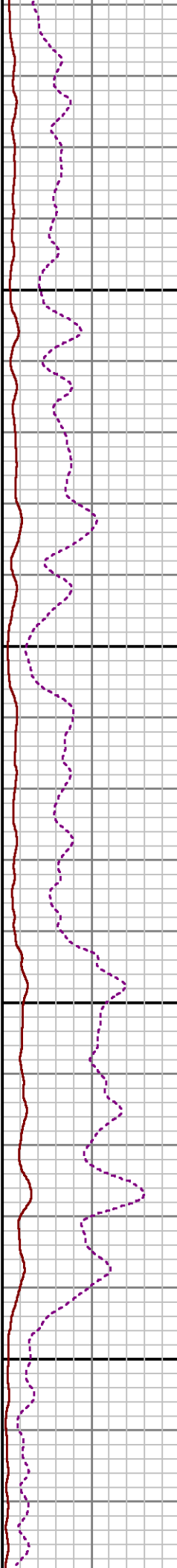
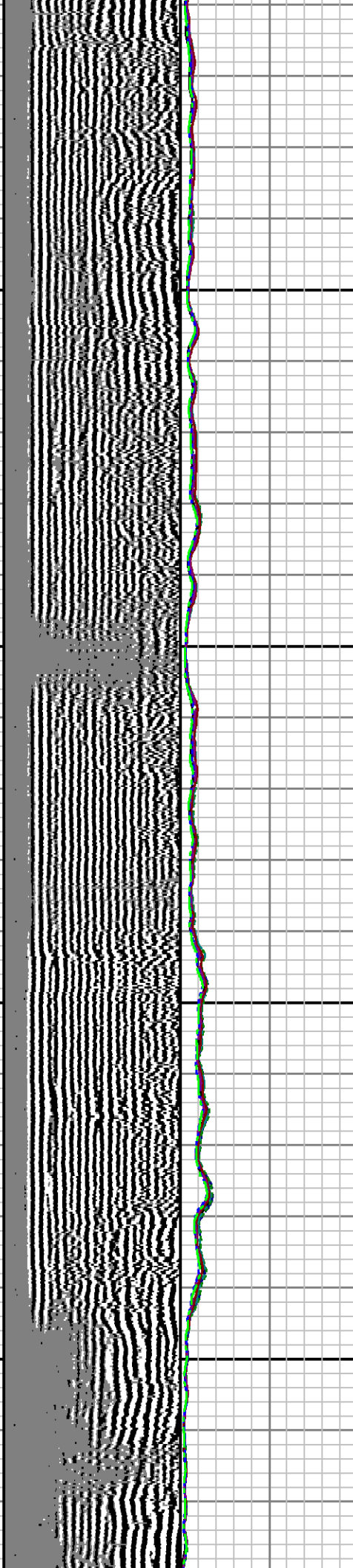
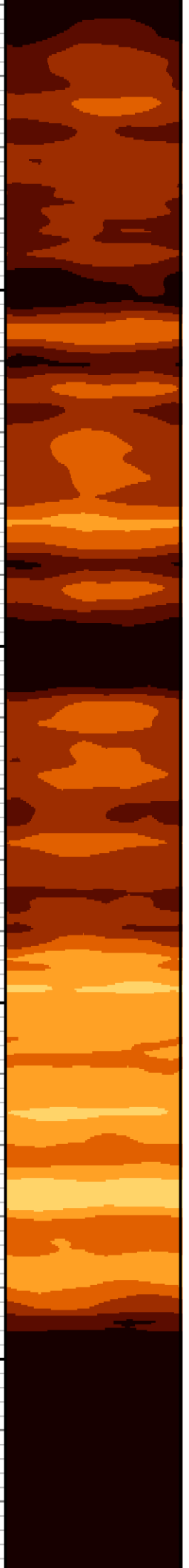


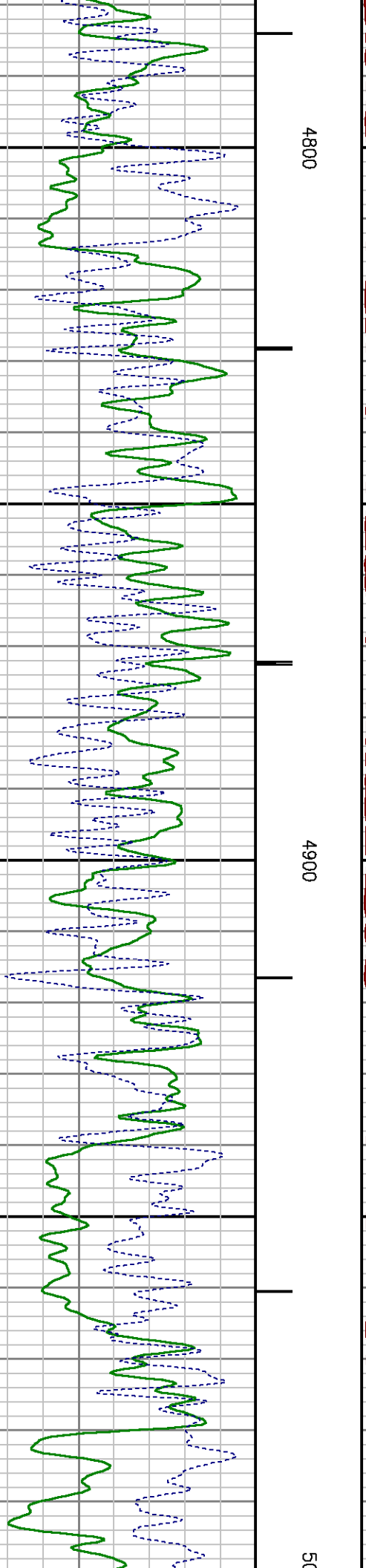
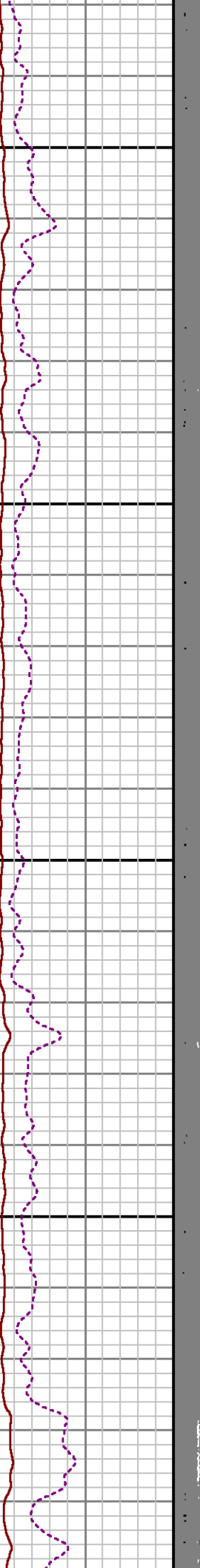
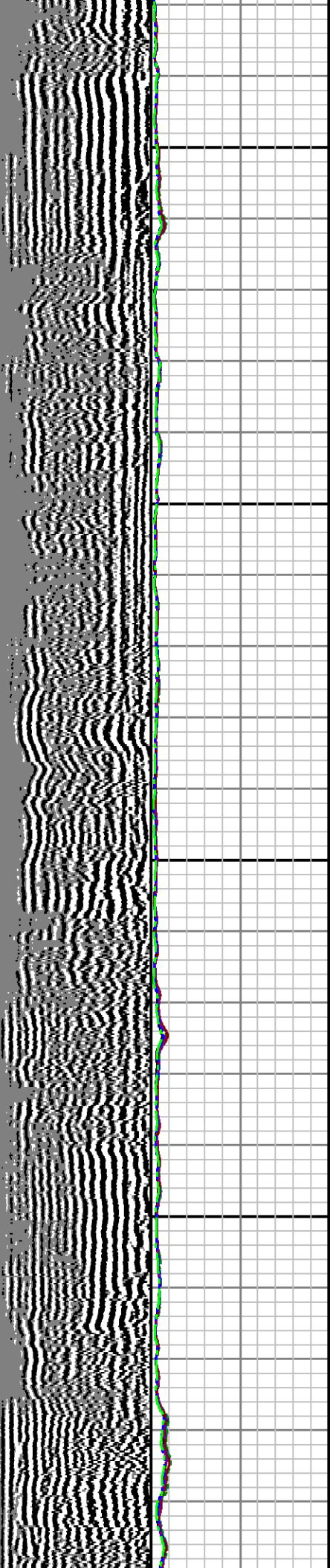
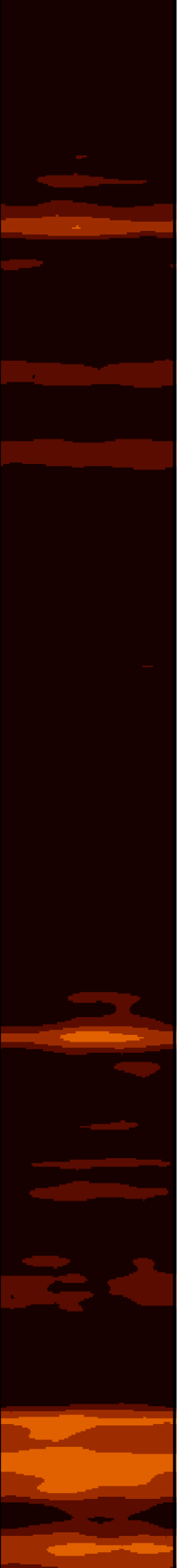








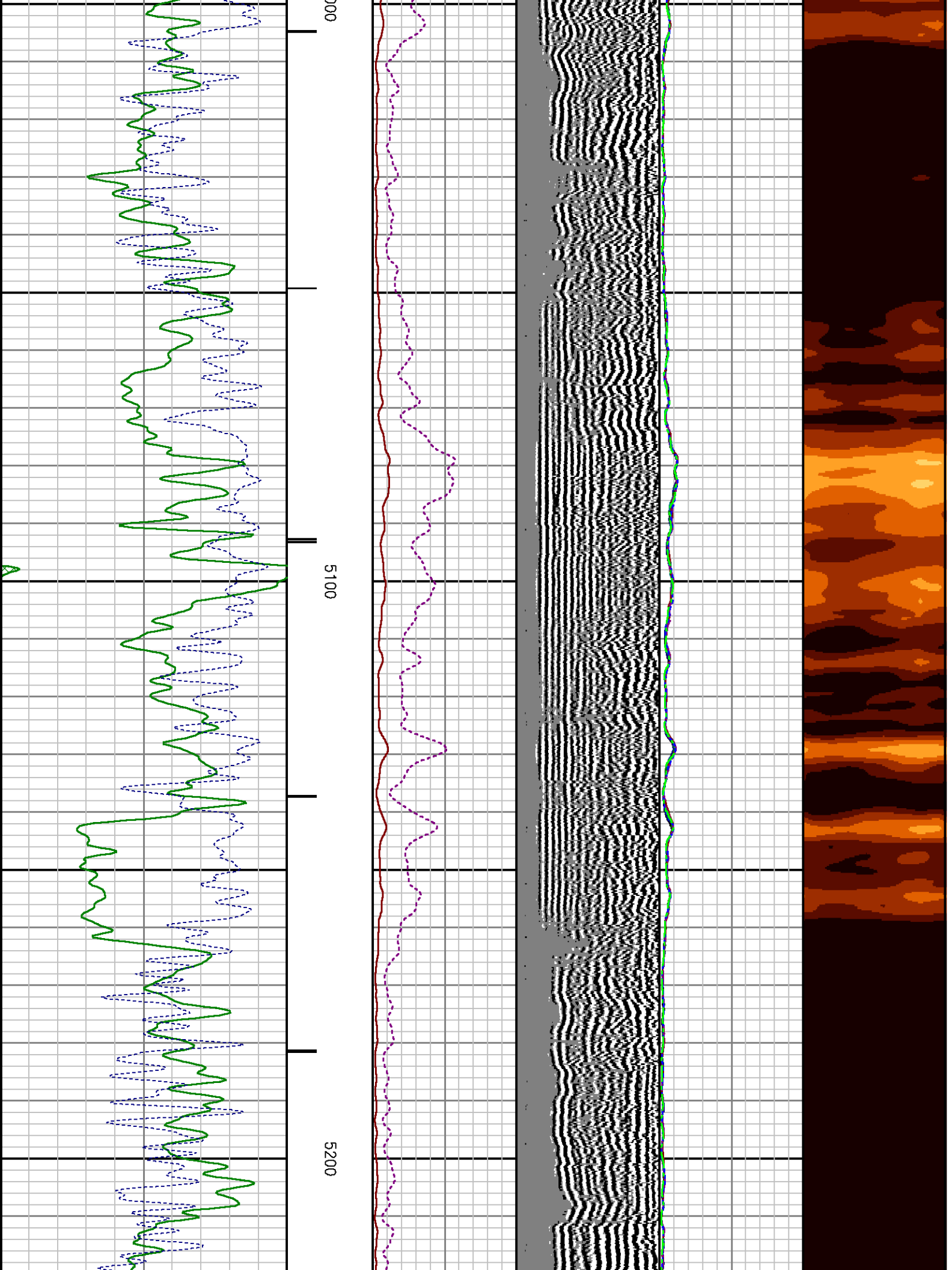


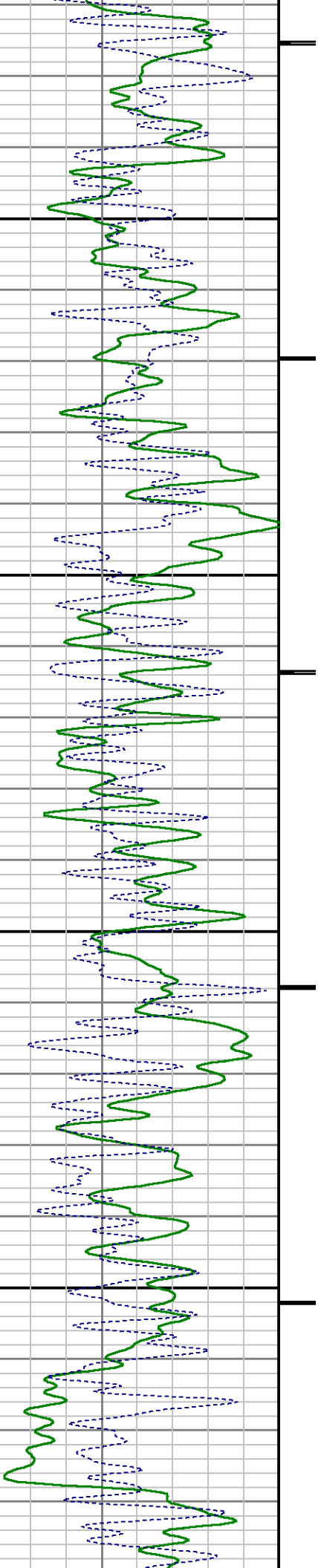


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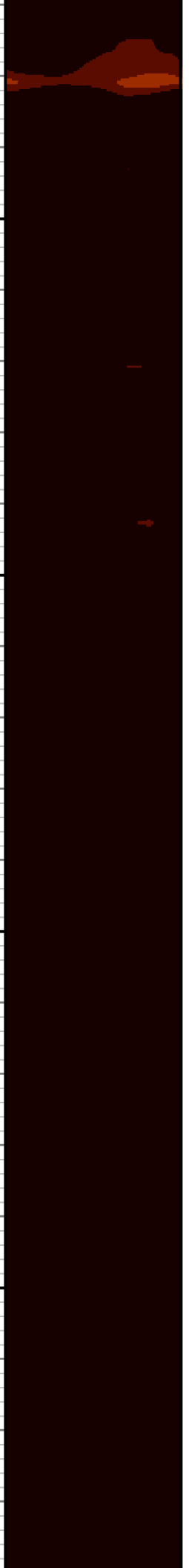
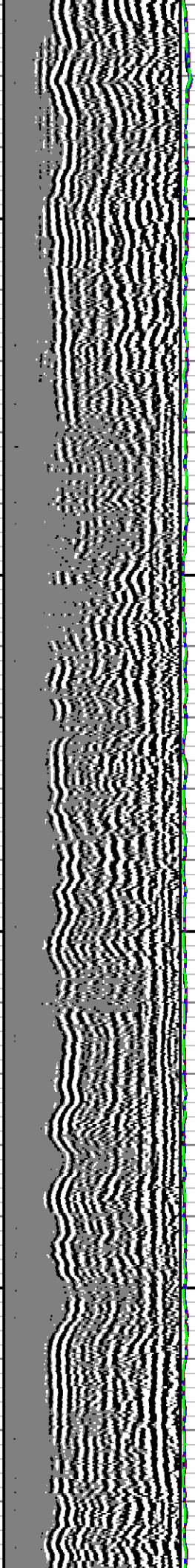
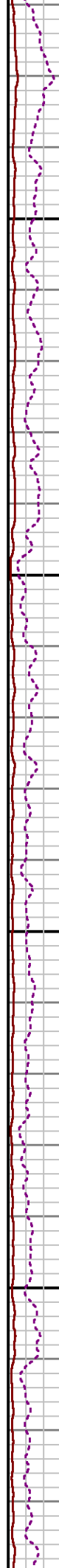
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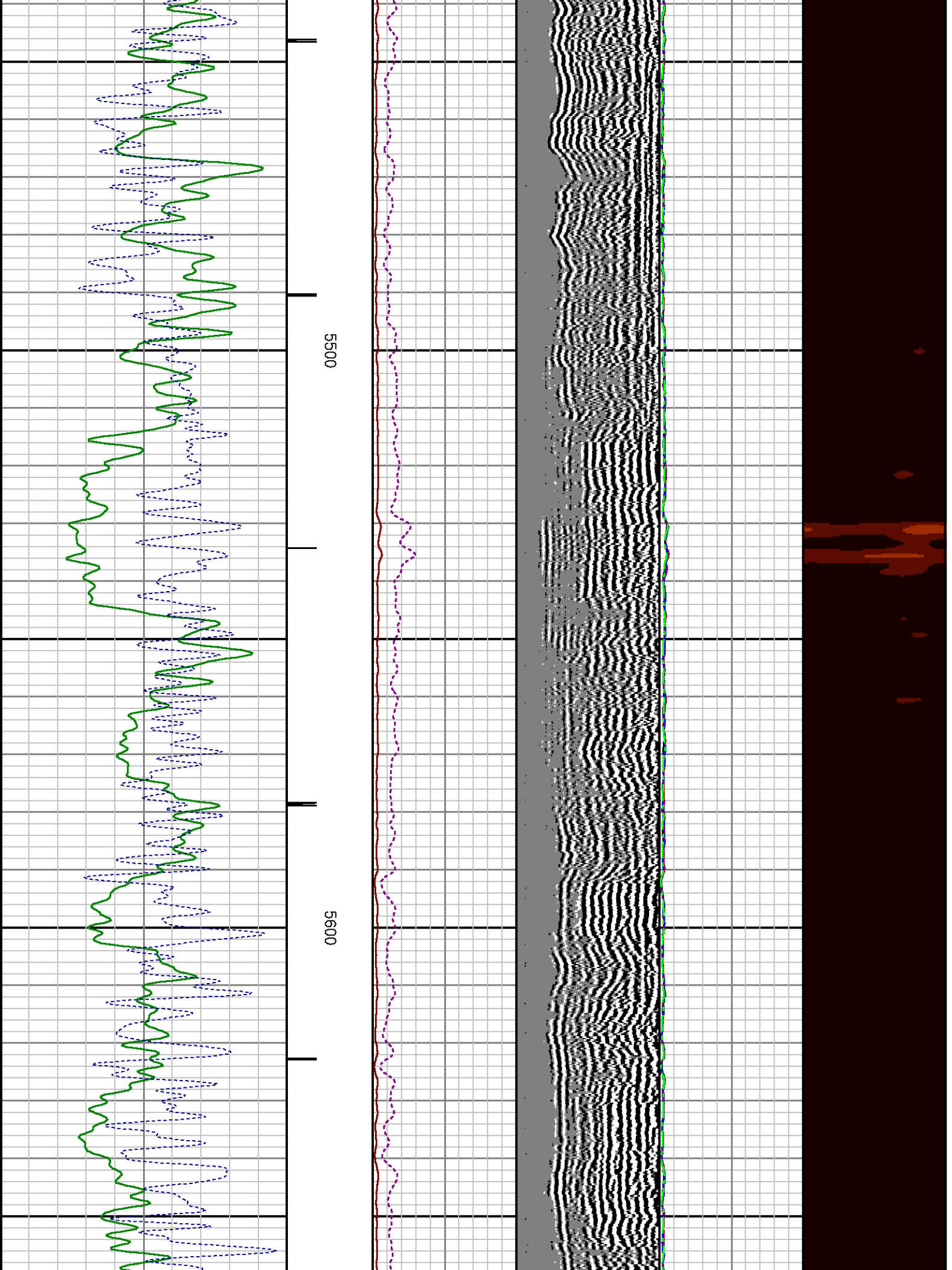


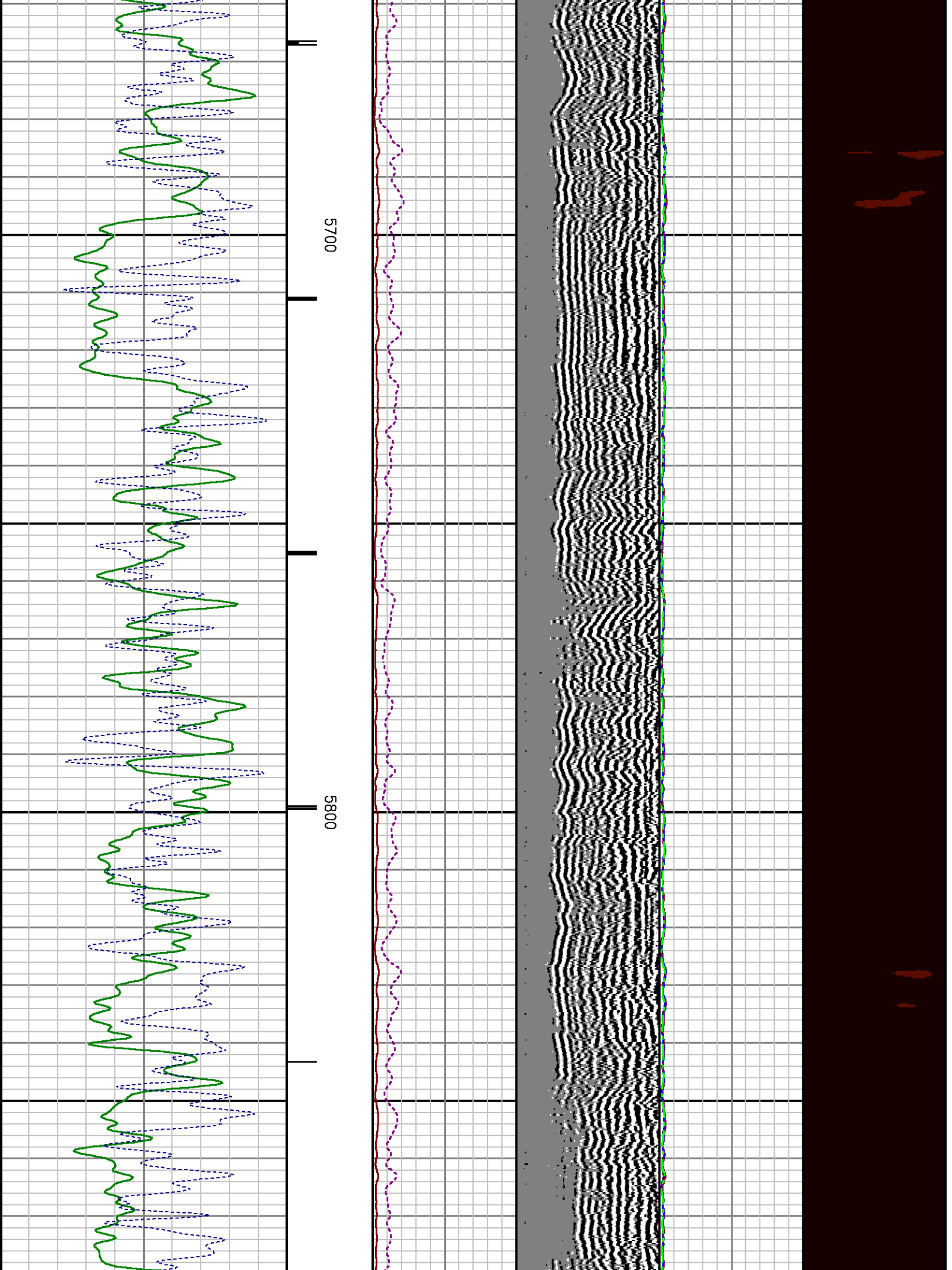


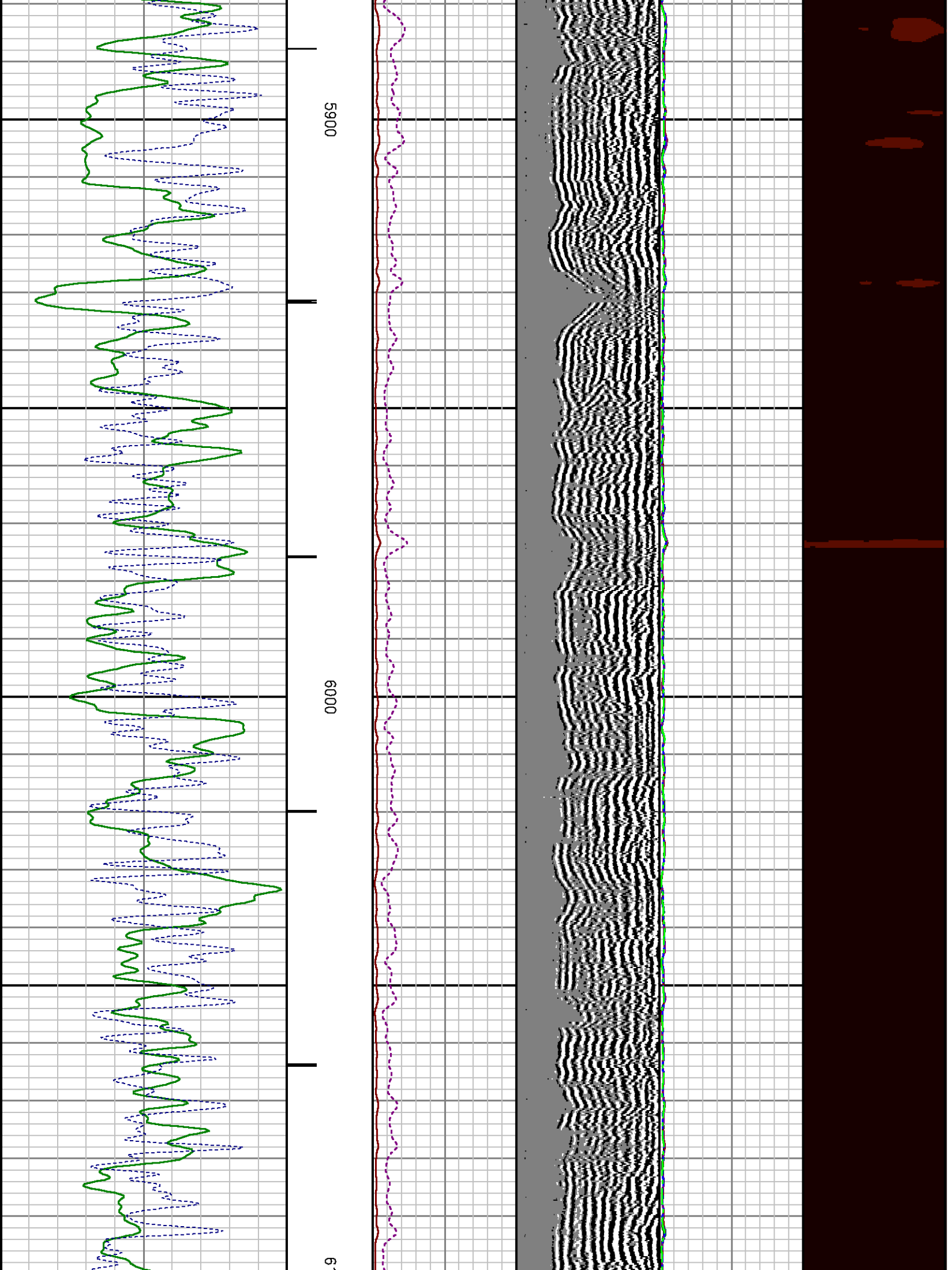
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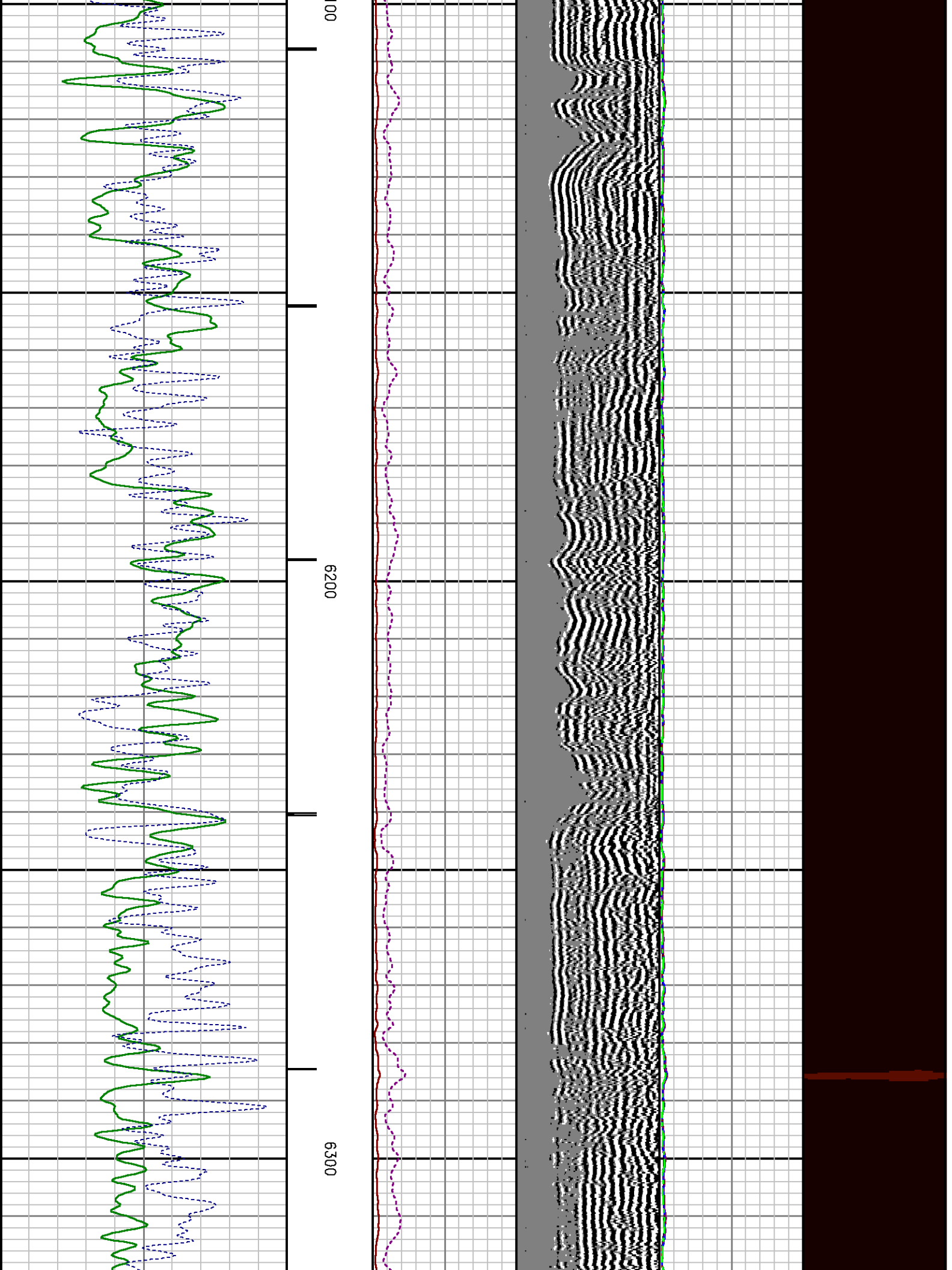
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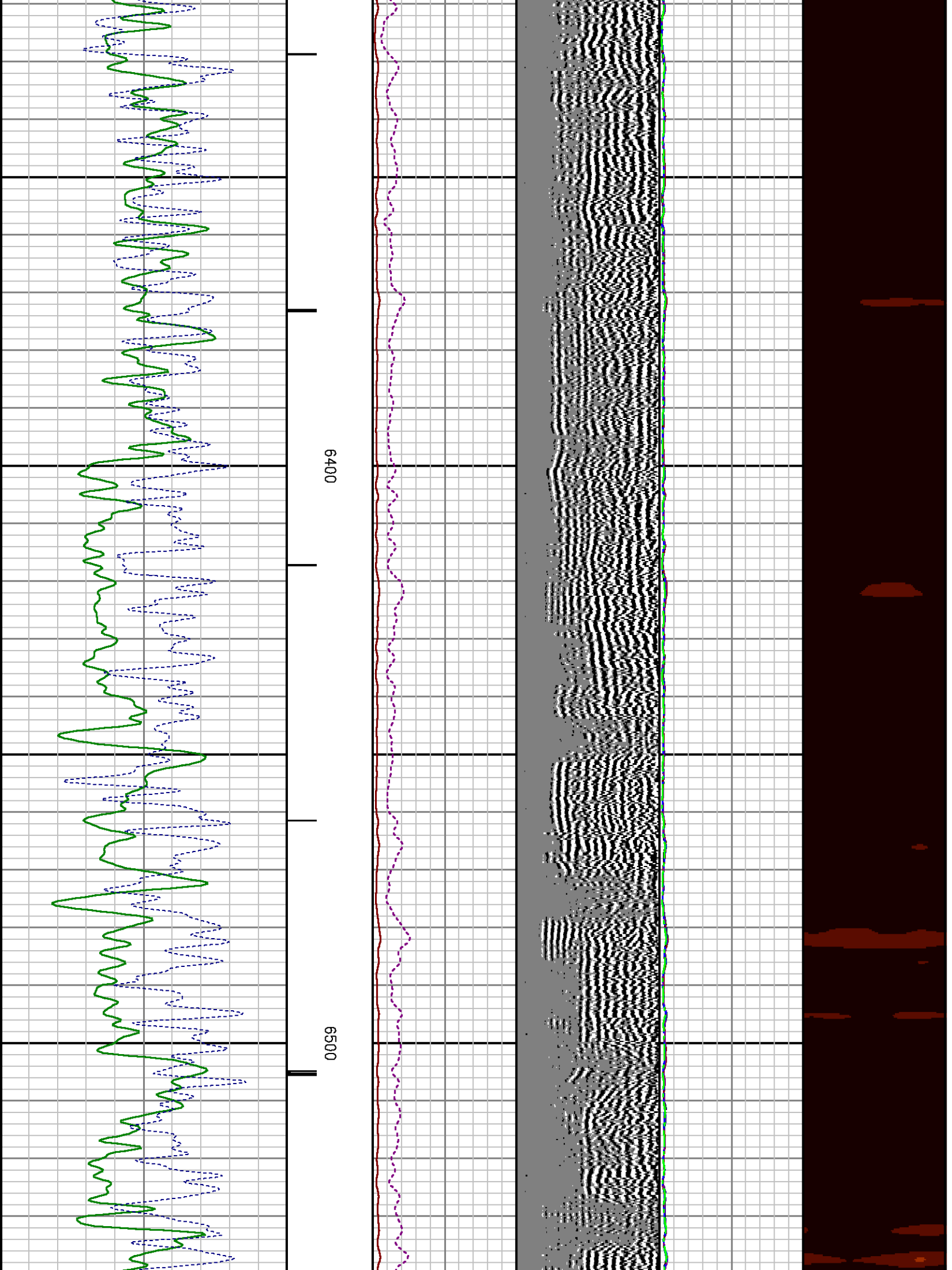


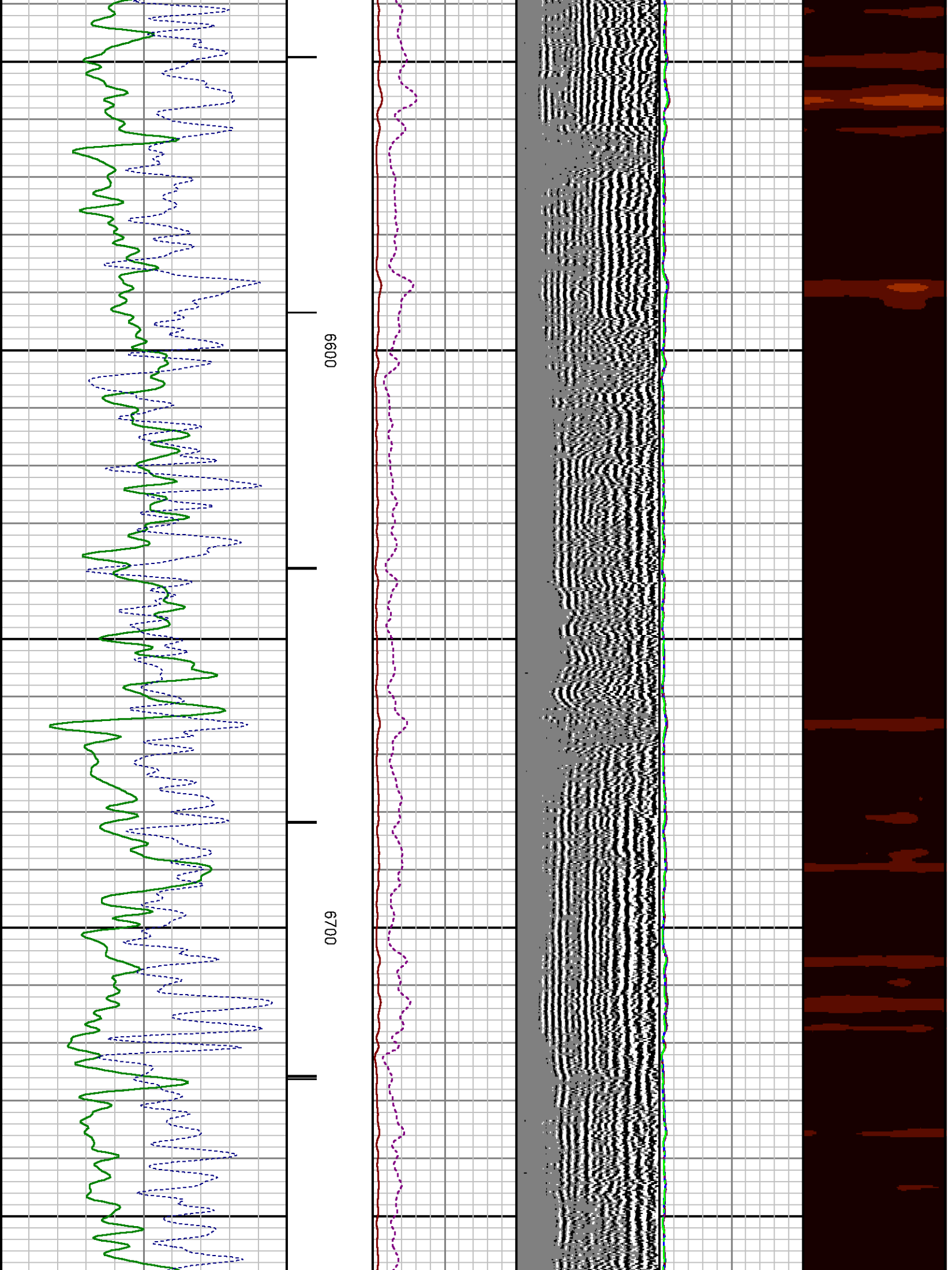


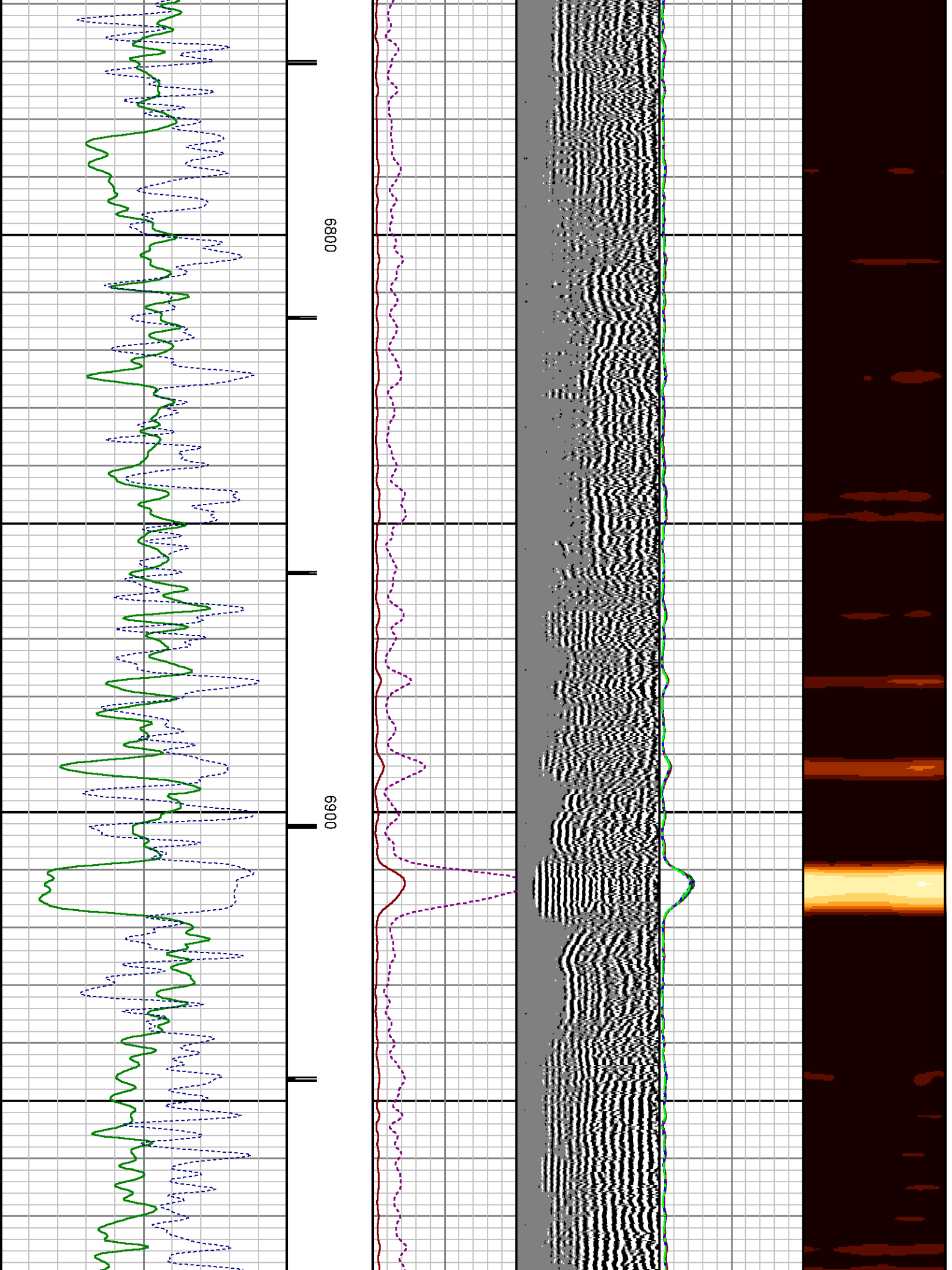


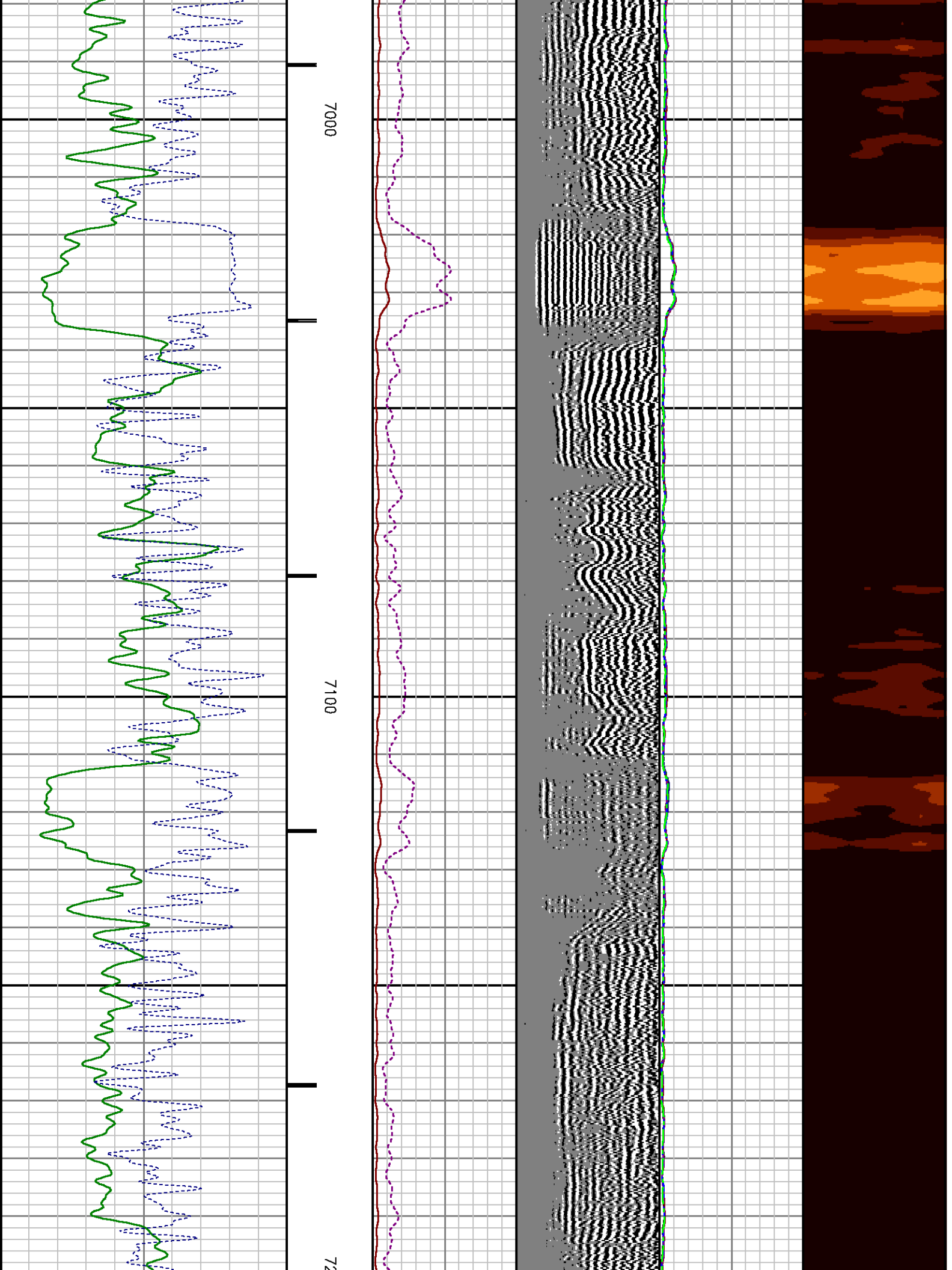


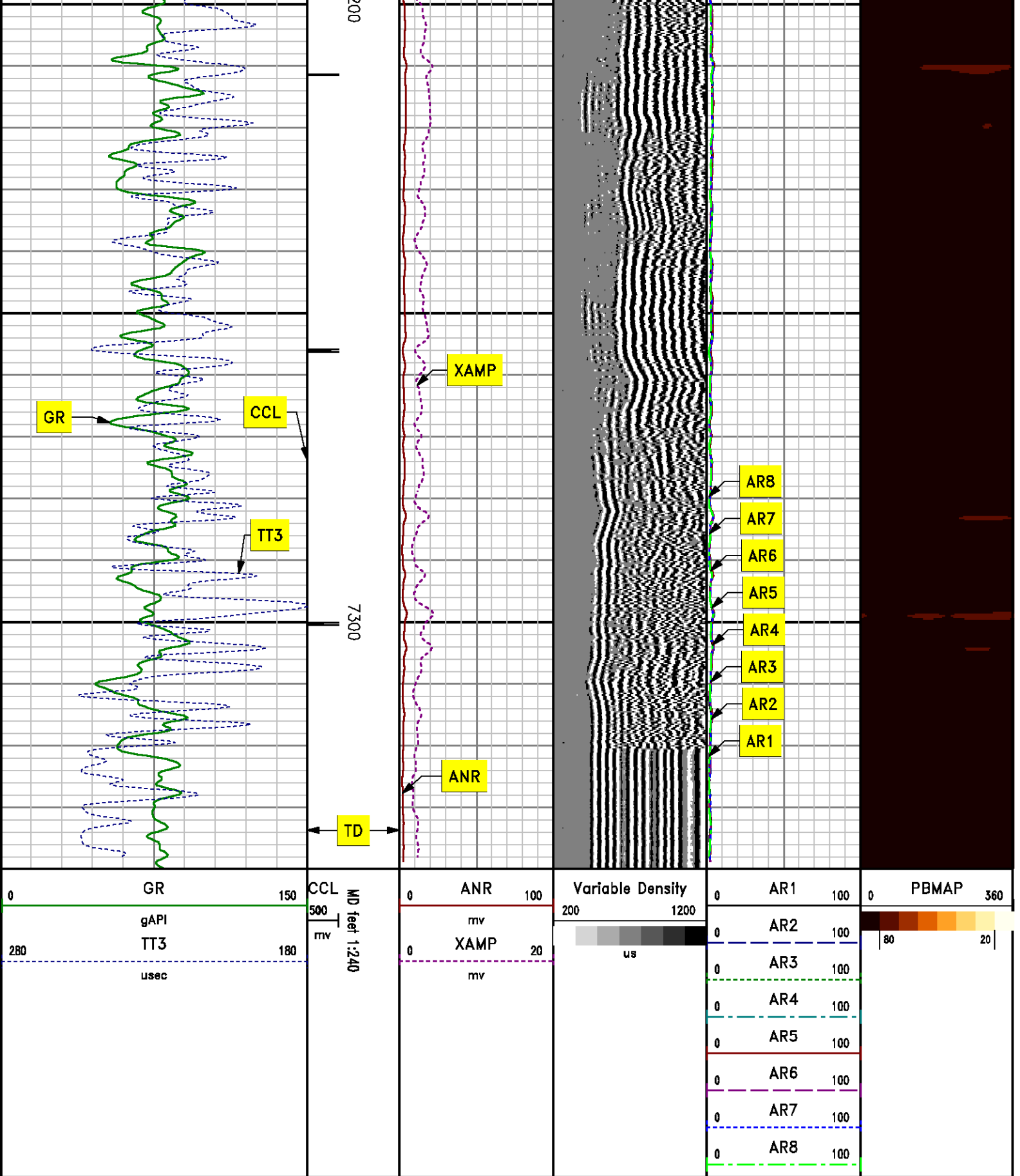












REPEAT SECTION

C. PCL

MEASUREMENT TYPE	PARAMETER	VALUE	UNITS	TOP	BOTTOM
RAL	Amp Gate Start Far	303.000	usec	7012.120	7352.370
RAL	Amp Gate Start Near	196.000	usec	7012.120	7352.370
RAL	Amp Gate Start Radial	196.000	usec	7012.120	7352.370
RAL	Amp Gate Width Far	25.000	usec	7012.120	7352.370
RAL	Amp Gate Width Near	25.000	usec	7012.120	7352.370
RAL	Amp Gate Width Radial	25.000	usec	7012.120	7352.370
RAL	casing od	4.500	inches	7012.120	7352.370
RAL	casing wt	11.600	lbm/ft	7012.120	7352.370
RAL	FB Start Far	291.900	usec	7012.120	7352.370
RAL	FB Start Near	175.391	usec	7012.120	7352.370
RAL	FB Start Radial	175.391	usec	7012.120	7352.370
RAL	FB Thresh Far	10.000	mv	7012.120	7352.370
RAL	FB Thresh Near	4.000	mv	7012.120	7352.370
RAL	FB Thresh Radial	4.000	mv	7012.120	7352.370
RAL	Fluid Travel Time	200.000	usec/ft	7012.120	7352.370

DEPTH OFFSETS

(for Acquired Curves)

SERIES	DEPTH OFFSET	ACQUIRED CURVES						
1426XA	-16.750	ACAL	ANR	AR1	AR2	AR3	AR4	
		AR5	AR6	AR7	AR8	CHV	FPR2	
		FPR3	FPR5	TT3	TTR1	TTR2	TTR3	
		TTR4	TTR5	TTR6	TTR7	TTR8	XAMP	
		AFAR	SIG	TT5				
1426XA	-15.750	AFAR	SIG	TT5				
2459XA	-11.340	CCL						
2459XA	-9.490	GR						
2459XA	-4.090	NEU						

Created by : RAL, v4.8.008

Plotted by : PlotMgr, v5.4.504

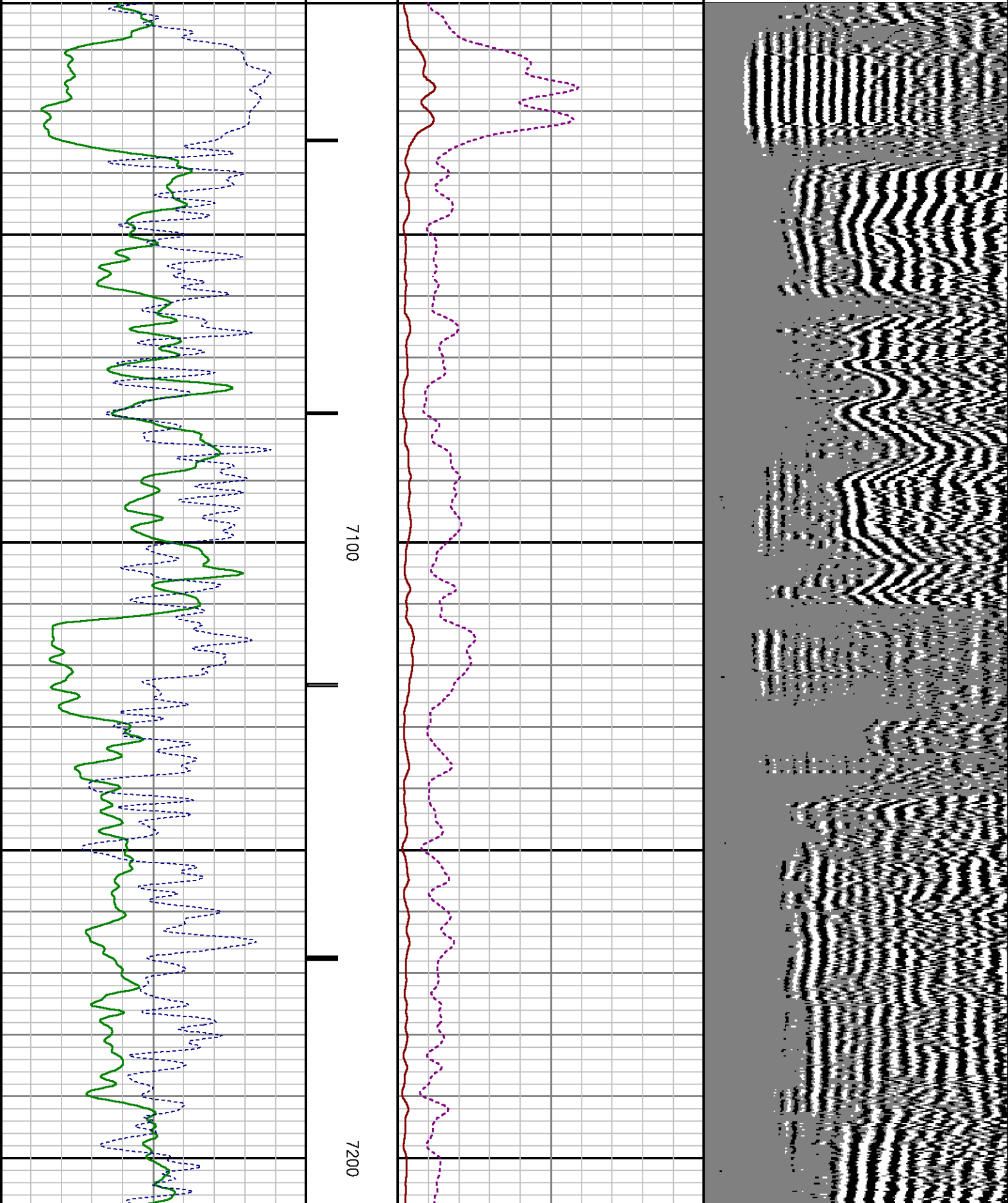
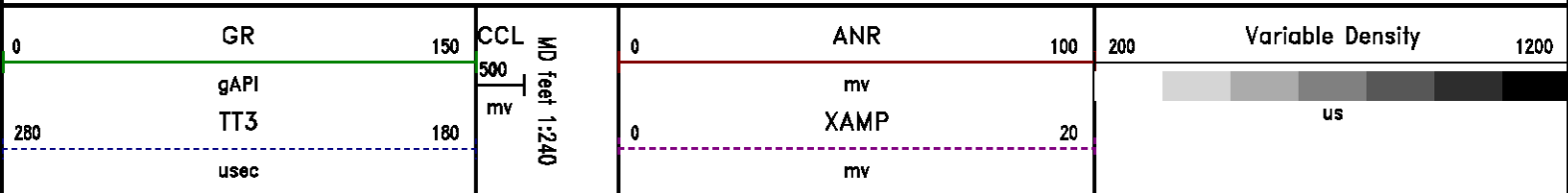
Company : WPX ENERGY

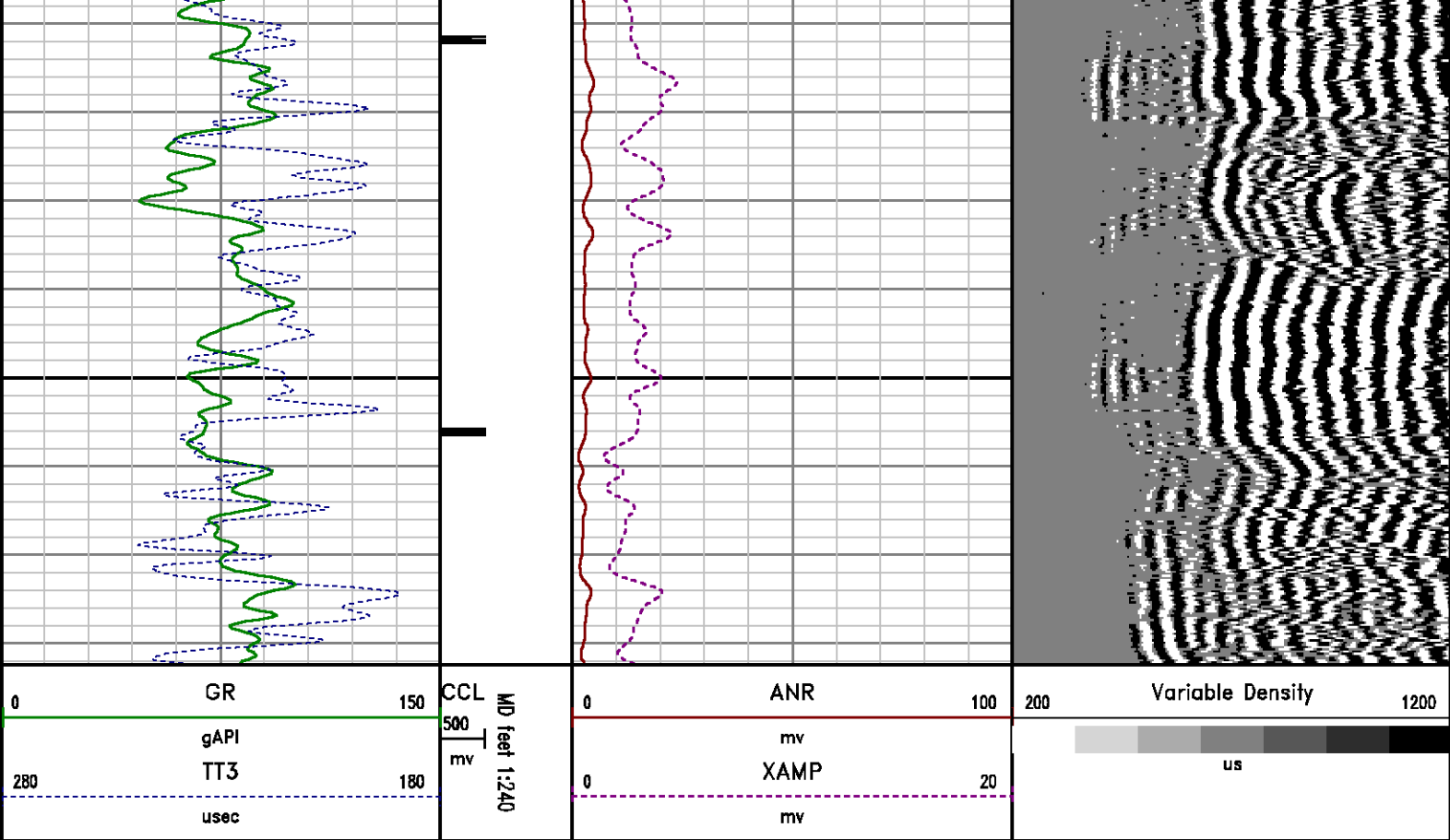
Well : JOLLEY KP 514-9

File Name : d:\welldata\wpx energy\jolley kp 514-9\514cb1\repeat.xtf

Mode : PlotMgr 5.4.504

Interval : 7012.37 - 7282.37 feet UP





CALIBRATION SUMMARY

GAMMA RAY

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

CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun Sep 23 10:26:23 2012 TOOL SERIES: 2459XA ASSET: 503 SEQ: SE

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K S2K	38.22	259.33	0.837	31.98	216.98	185.00

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

PRIMARY LOG VERIFICATION

DATE/TIME PERFORMED: Sun Sep 23 10:28:09 2012 TOOL SERIES: 2459XA ASSET: 503 SEQ: SE

Calibrator #	Background [cps]	Calibrator On [cps]	Multiplicative	Background [api]	Calibrator On [api]	Differential [api]
S2K S2K	38.13	263.47	0.837	31.91	220.44	188.53

RALSHP

Shop Calibration: C:\case\calver\RALSHP\452523 shp.cal

SHOP CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun Sep 23 10:33:29 2012 TOOL SERIES: 1426XA ASSET: 452 SEQ: S23

Tool Delay [usec] Tank OD In Tank Wt lbm/ft Tank ID In

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	216	216	30	166	25	0.138	100.00	0.29
3 Ft. Receiver	216	216	30	166	25	5.989	100.00	0.29
5 Ft. Receiver	325	323	30	282	25	-4.536	150.00	0.31
Radial #1	216	212	30	166	25	3.836	100.00	0.30
Radial #2	215	212	30	166	25	5.042	100.00	0.30
Radial #3	215	212	30	166	25	6.756	100.00	0.29
Radial #4	215	212	30	166	25	6.269	100.00	0.28
Radial #5	216	212	30	166	25	7.165	100.00	0.27
Radial #6	216	212	30	166	25	7.143	100.00	0.28
Radial #7	216	212	30	166	25	3.929	100.00	0.28
Radial #8	217	212	30	166	25	3.440	100.00	0.29

RALFLD

Wellsite Calibration: C:\case\calver\RALFLD\452523 fld.cal

WELLSITE CALIBRATION SUMMARY

DATE/TIME PERFORMED: Sun Sep 23 10:35:12 2012 TOOL SERIES: 1426XA ASSET: 452 SEQ: S23

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	166	25	-0.049	0.000	1.00	100.000
3 Ft. Receiver	200	30	-0.891			
5 Ft. Receiver	317	30	-1.421			
Radial #1	200	30	-0.419			
Radial #2	200	30	-0.750			
Radial #3	200	30	-0.746			
Radial #4	200	30	-0.636			
Radial #5	200	30	-0.866			
Radial #6	200	30	-0.959			
Radial #7	200	30	-0.585			
Radial #8	200	30	-0.340			

TOOL DIAGRAM

OTA SHORT CABLE HEAD

PROBE 2 3/4 DUAL RECEIVER RADII

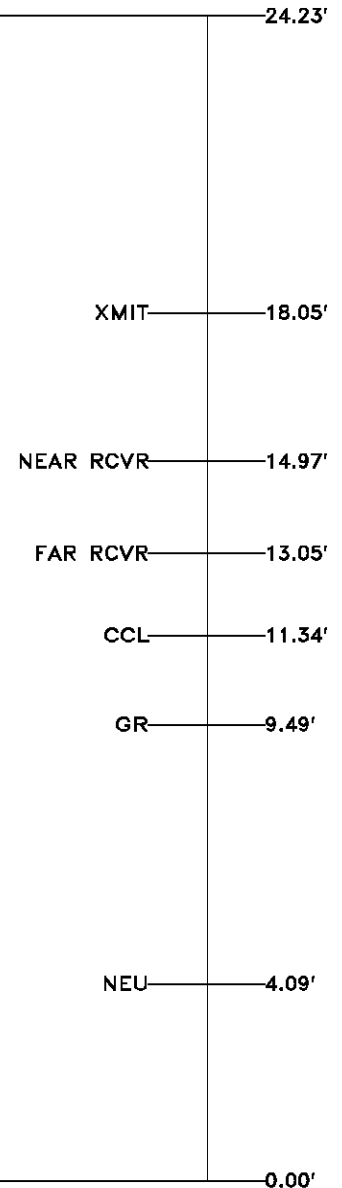
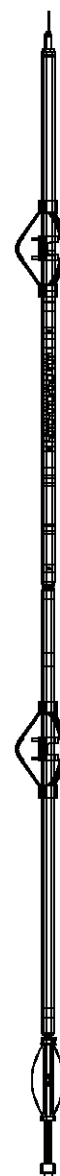
Series	1426XA
Mnemonic	PROB
Diameter	2.75"
Length	11.17'
Measure Point	0.75' FAR RCVR
Measure Point	2.67' NEAR RCVR
Measure Point	5.75' XMIT
Temp Rating	350.00 °F
Press Rating	18000.00 PSI

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"

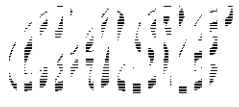


Company
Well
Field

WPX ENERGY
JOLLEY KP 514-9
KOKOPELLI

File No:
CH061001
API No:

Baker Atlas



County

GARFIELD

State

COLORADO

05045180720000

Location

SHL: 597' FNL 690' FWL SECTION 16
BHL: 223' FSL 638' FWL SECTION 9

Elevations

KB 6658 ft
DF NA
GL 6632 ft

9 6S 91W
KP 11-16 pad
NABORS 574

SEC 9 TWP 6S RGE 91W