



Nine

Radi Bond Log Gamma Ray CCL Temp

Company Antero Reesources
 Well Wabble 1H
 Field
 County Tyler
 State WV

Company Antero Reesources
 Well Wabble 1H
 Field
 County Tyler State WV

Location: API #:

SEC	TWP	RGE	Elevation
Permanent Datum	Ground Level	Elevation	K.B.
Log Measured From	K.B. 30 FT		D.F.
Drilling Measured From	K.B. 30 FT.		G.L.

Date June 20 2022

Run Number	One
Depth Driller	N/A
Depth Logger	7116 FT.
Bottom Logged Interval	7116 FT.
Top Log Interval	Surface
Open Hole Size	
Type Fluid	
Density / Viscosity	
Max. Recorded Temp.	139.6
Estimated Cement Top	900 FT.
Time Well Ready	12:45 P.M.
Time Logger on Bottom	10:45 A.M.
Equipment Number	Unit 116
Location	Marletta Ohio
Recorded By	D Heater
Witnessed By	James Carder

<<< Fold Here >>>

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments


Got Marker Joint at 5978-5989
 1 FT Correction

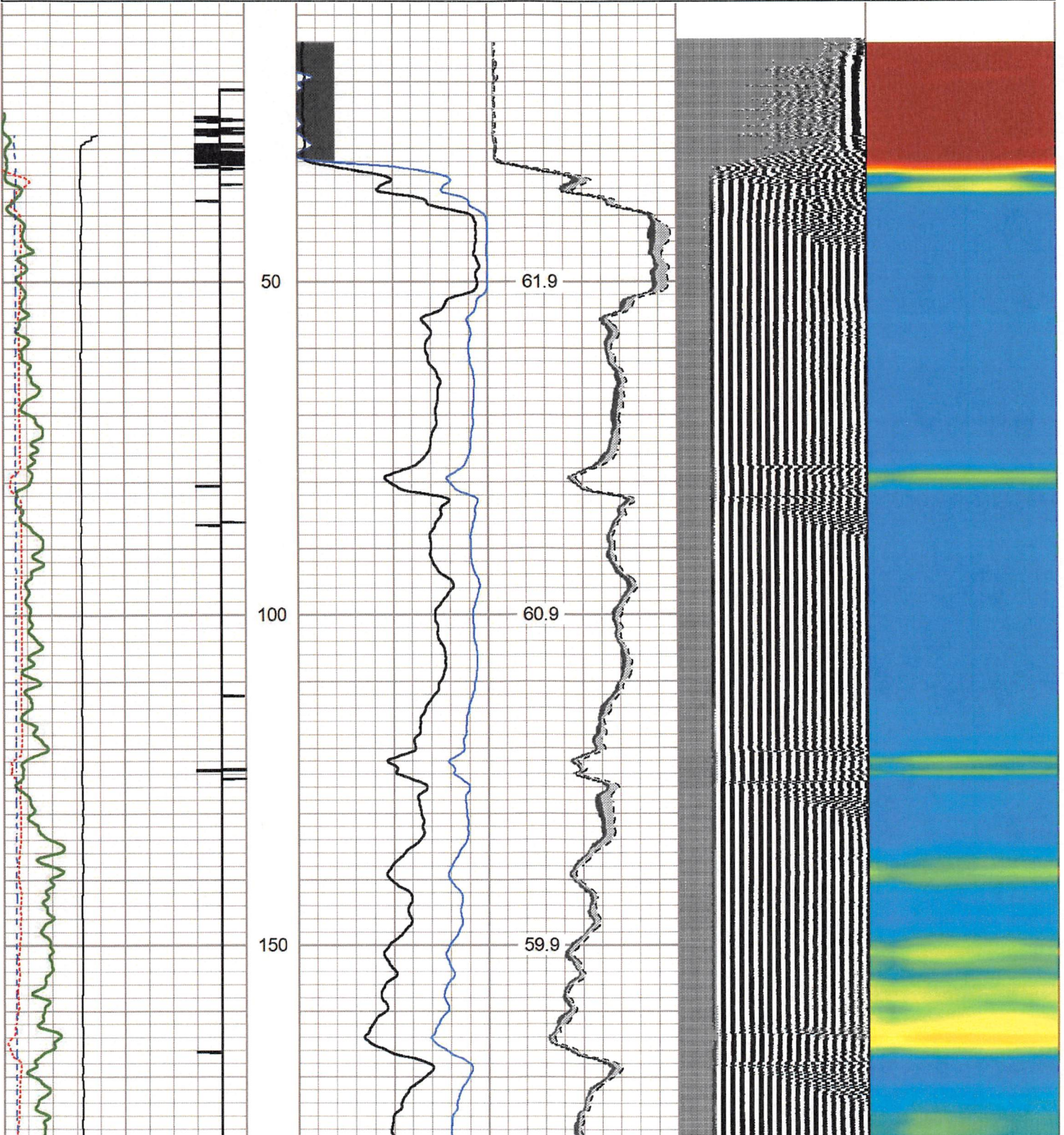
RECEIVED
 Office of Oil and Gas
 JAN 23 2023
 WV Department of
 Environmental Protection

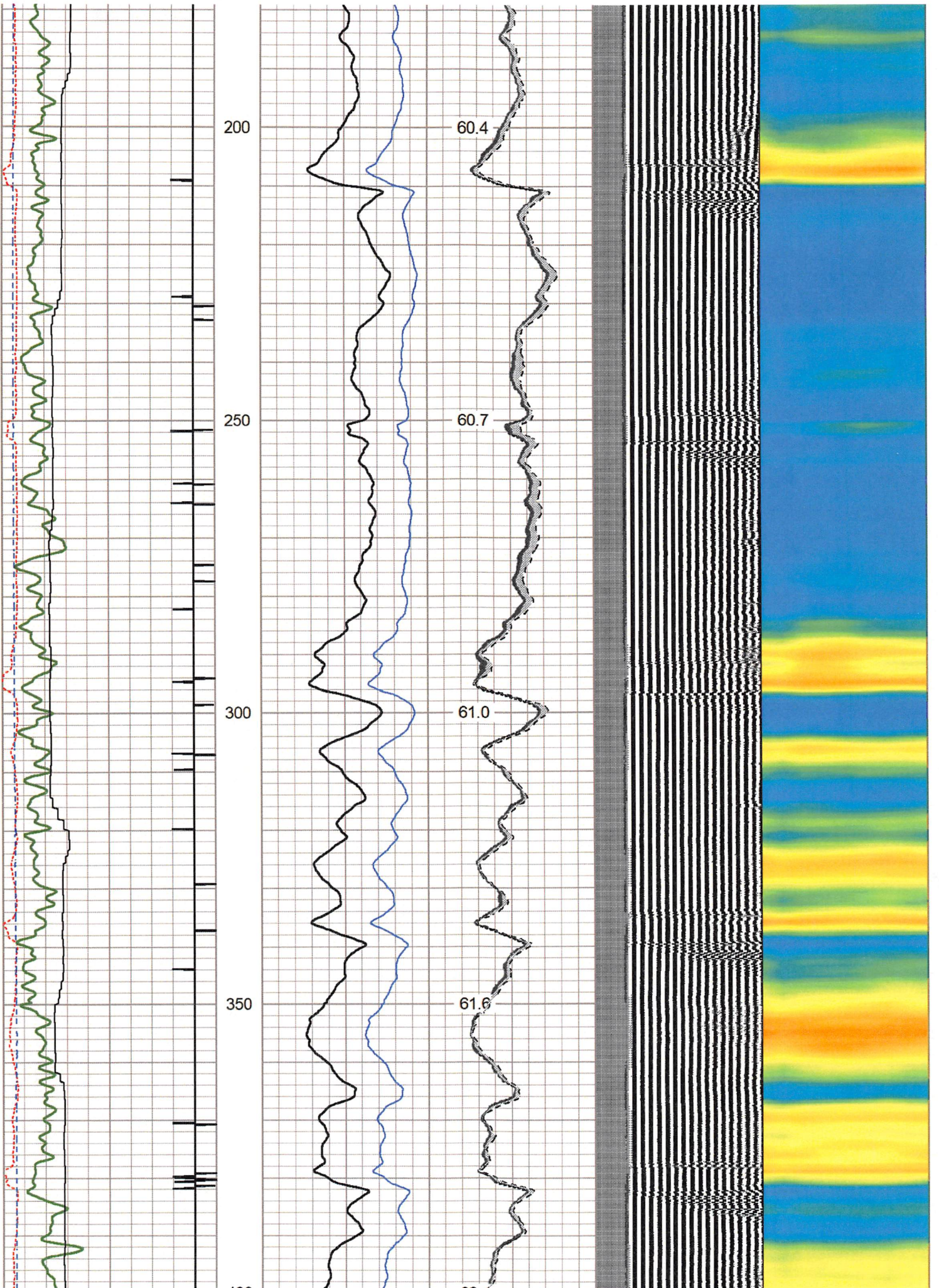


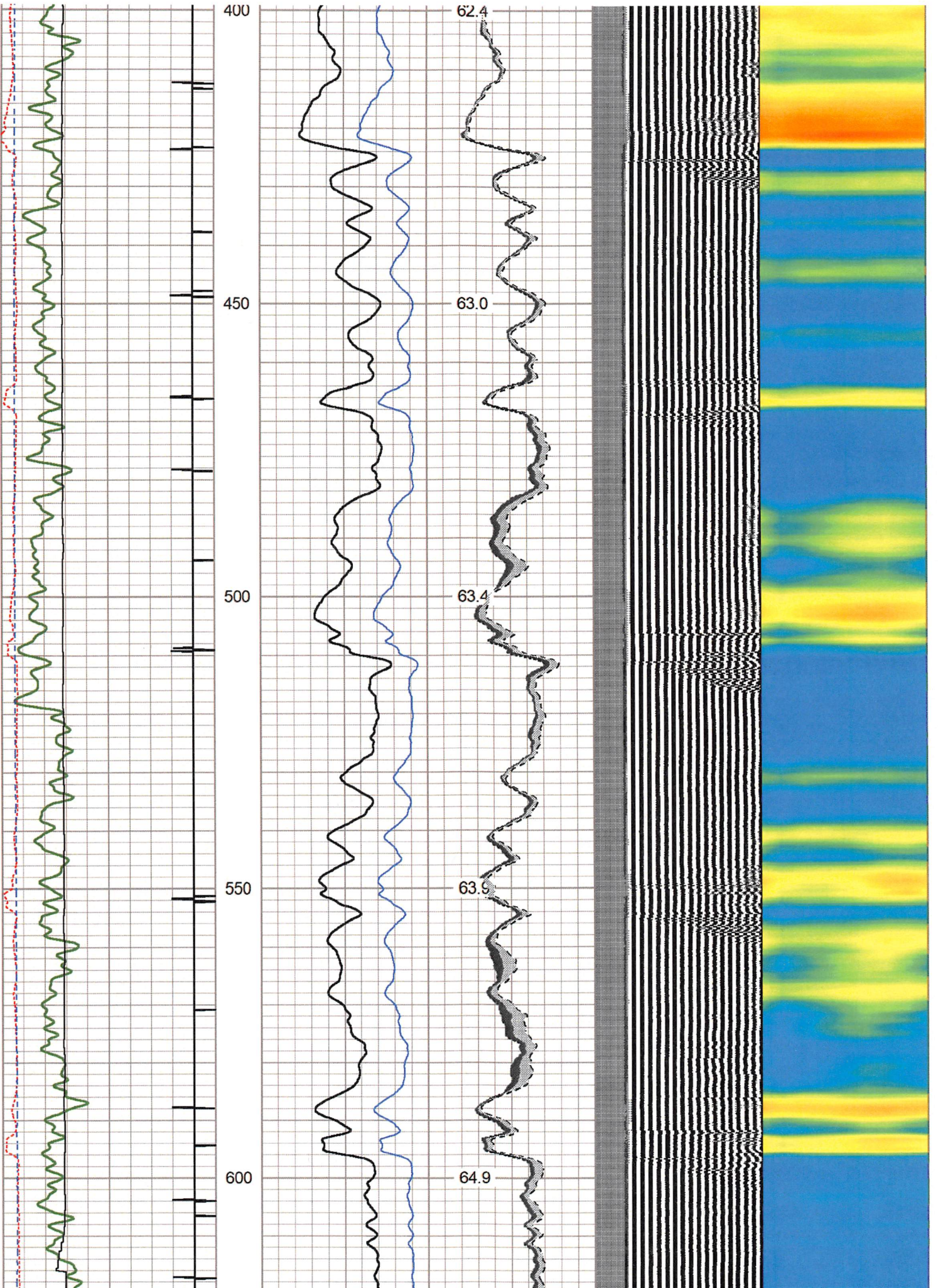
Main Pass 1500 PSI

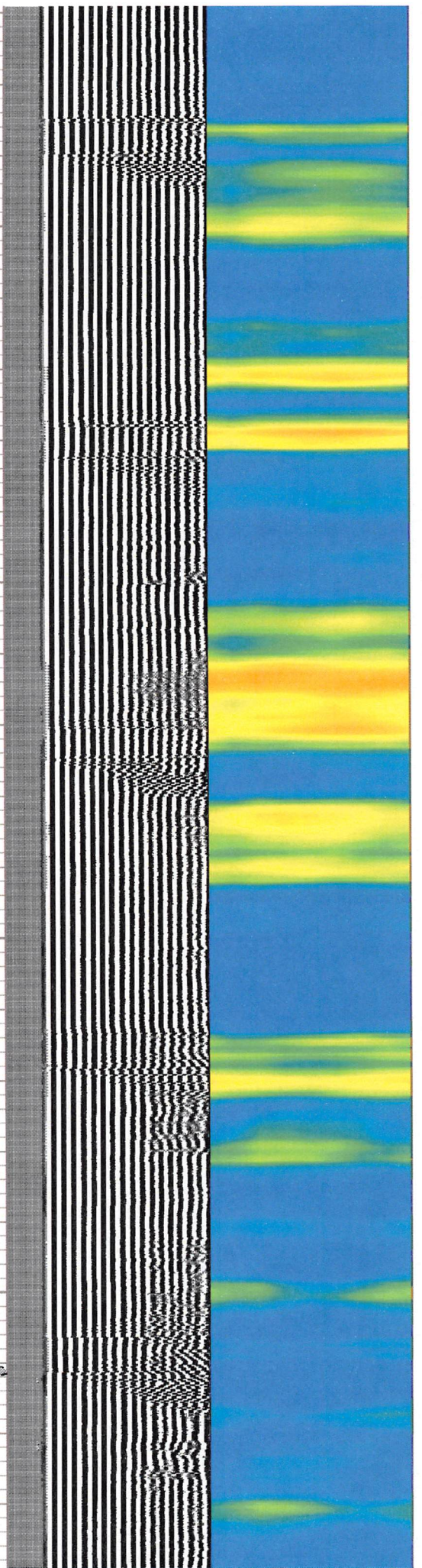
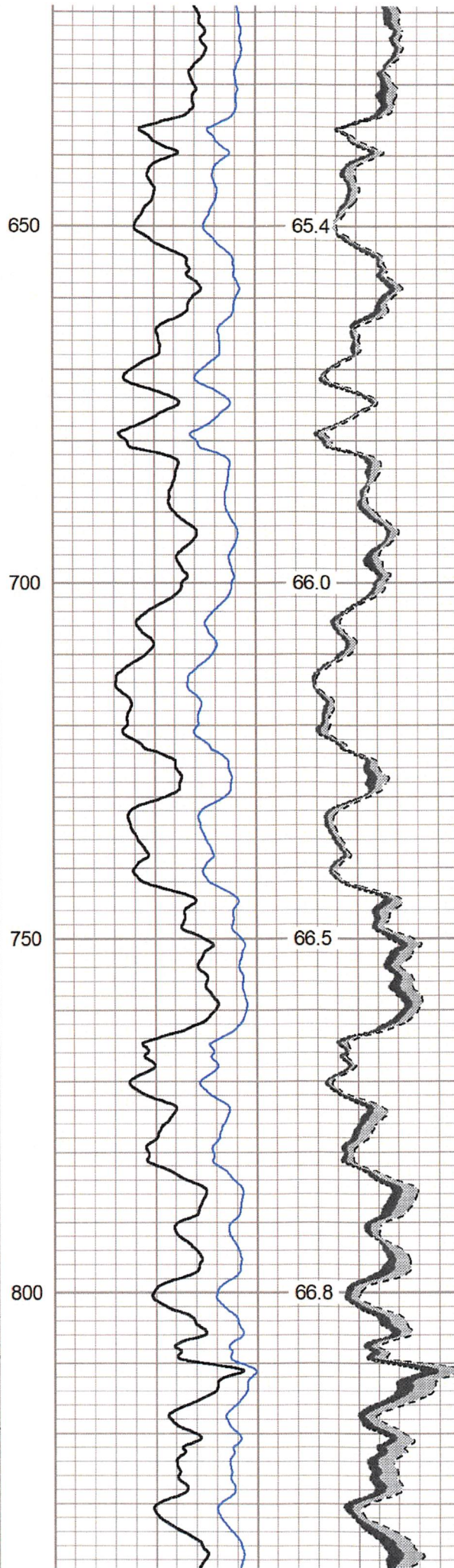
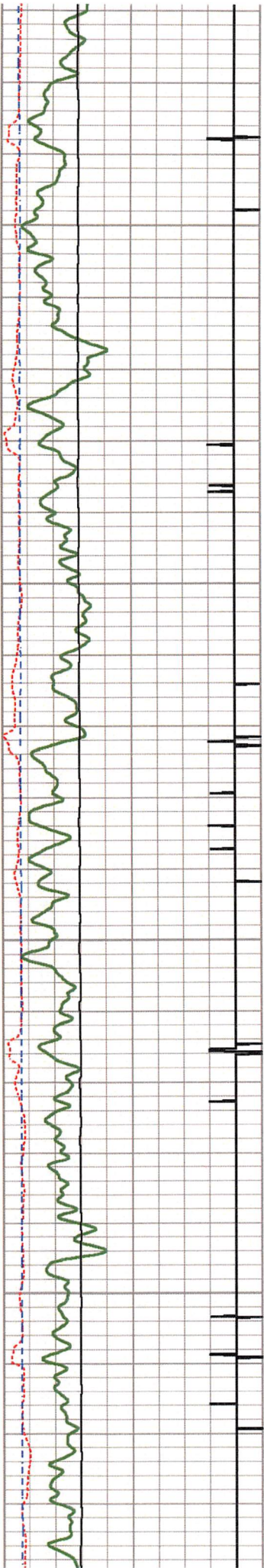
Database File june 20 2022 antero resources wabble 1h.db
 Dataset Pathname merge2
 Presentation Format rcbI-bond index for antero 1020
 Dataset Creation Mon Jun 20 12:50:05 2022
 Charted by Depth in Feet scaled 1:240

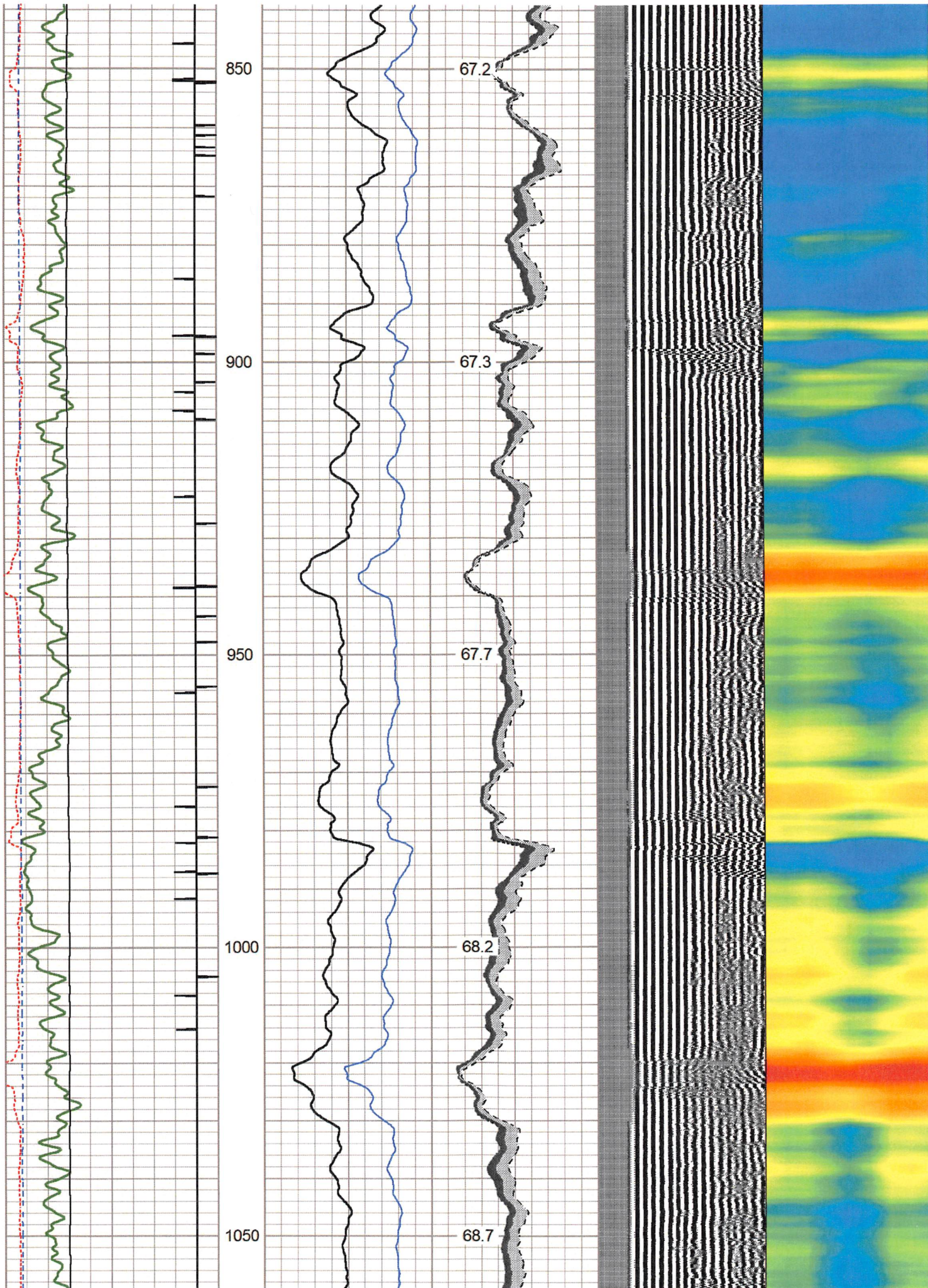
270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200					(degF)					
0	Line Tension (lb)	5000										

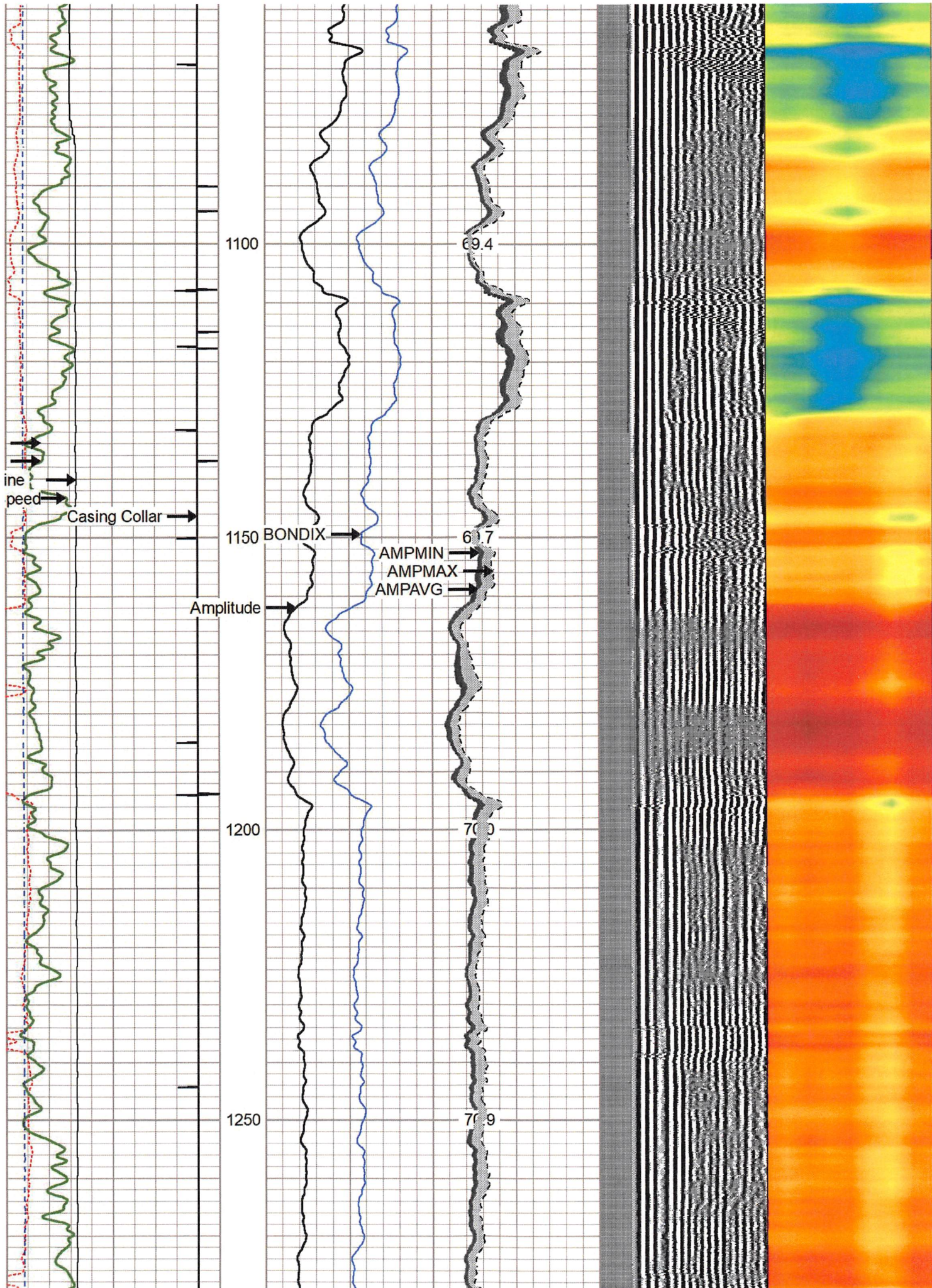


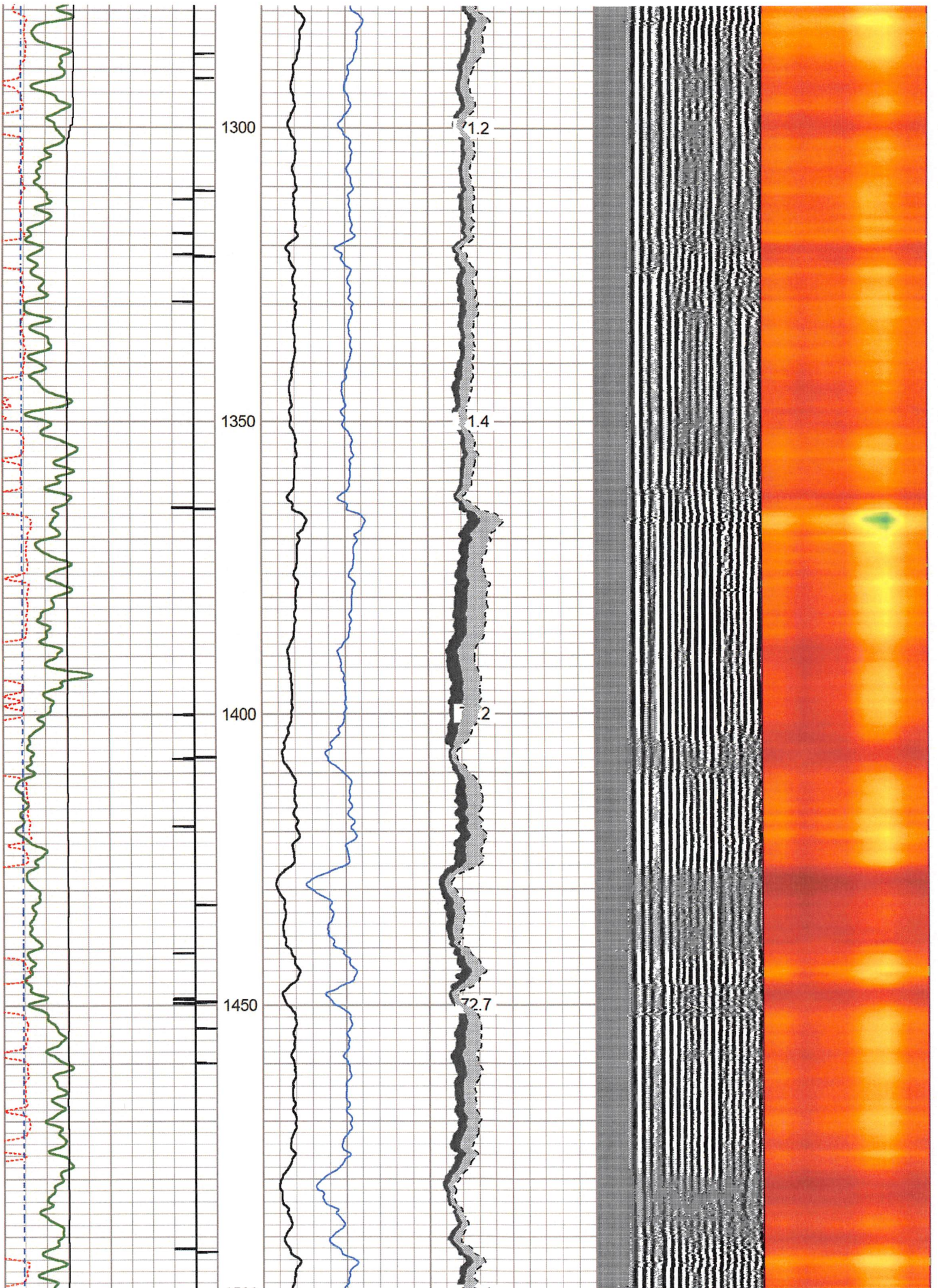


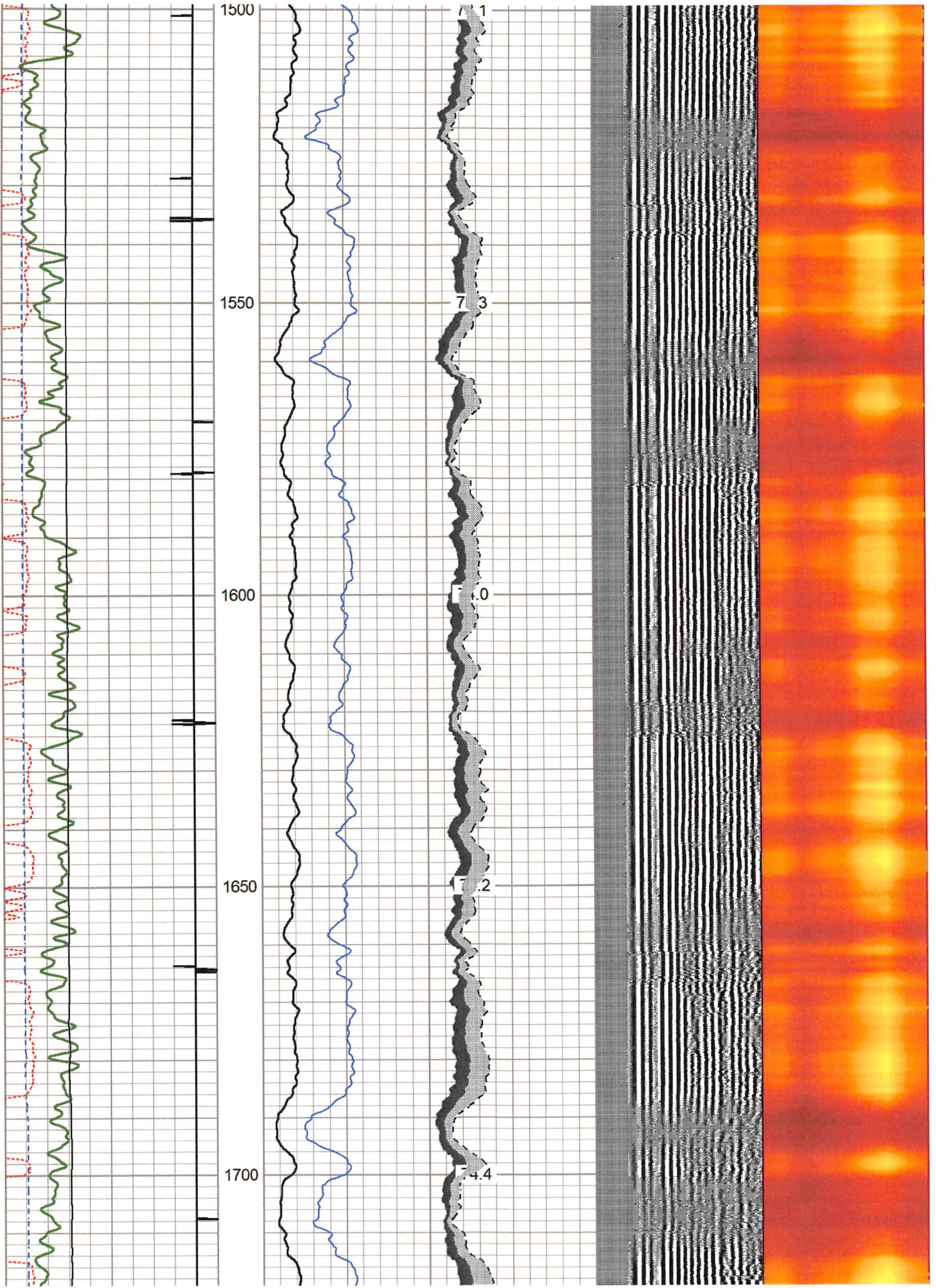


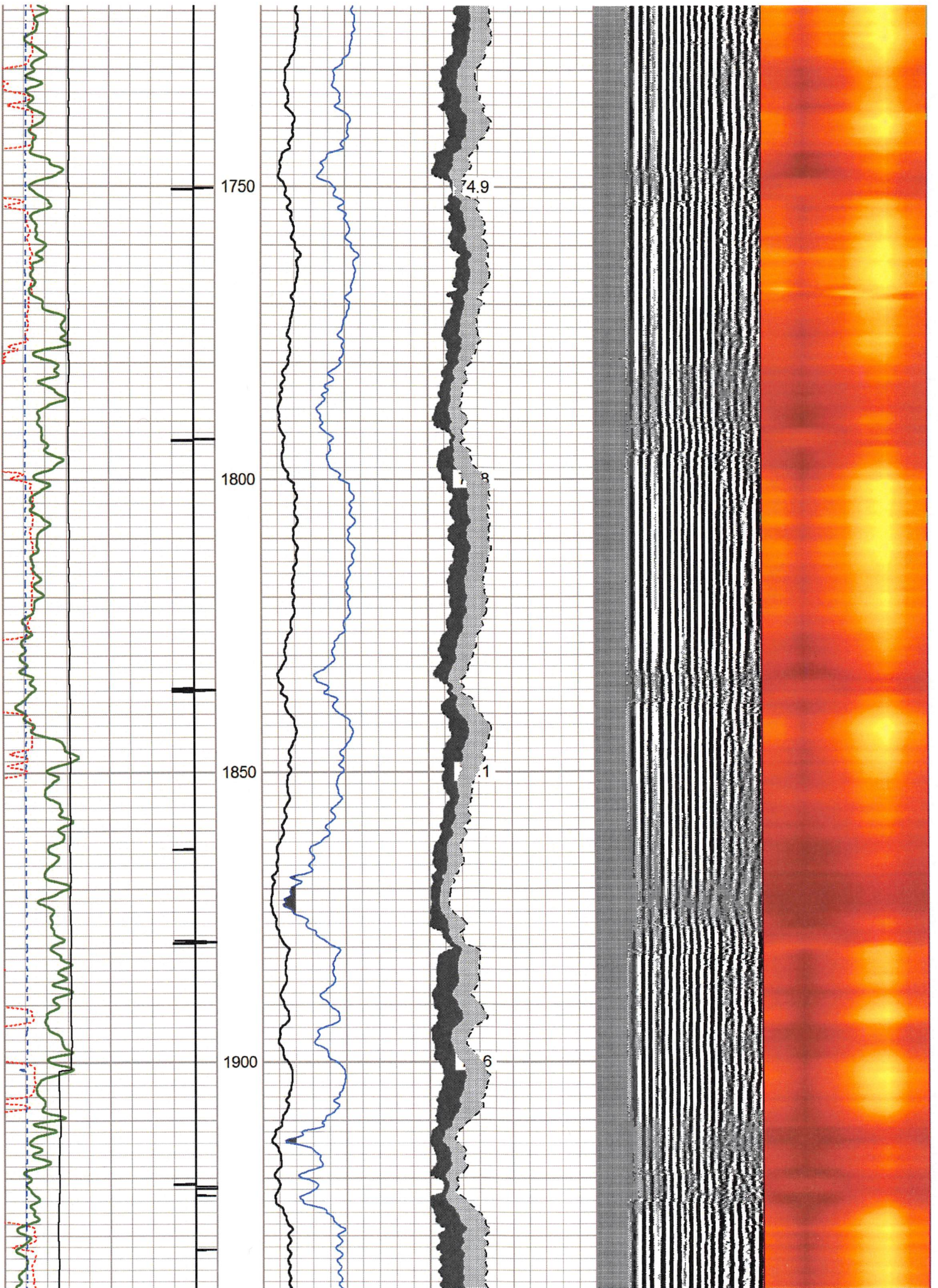


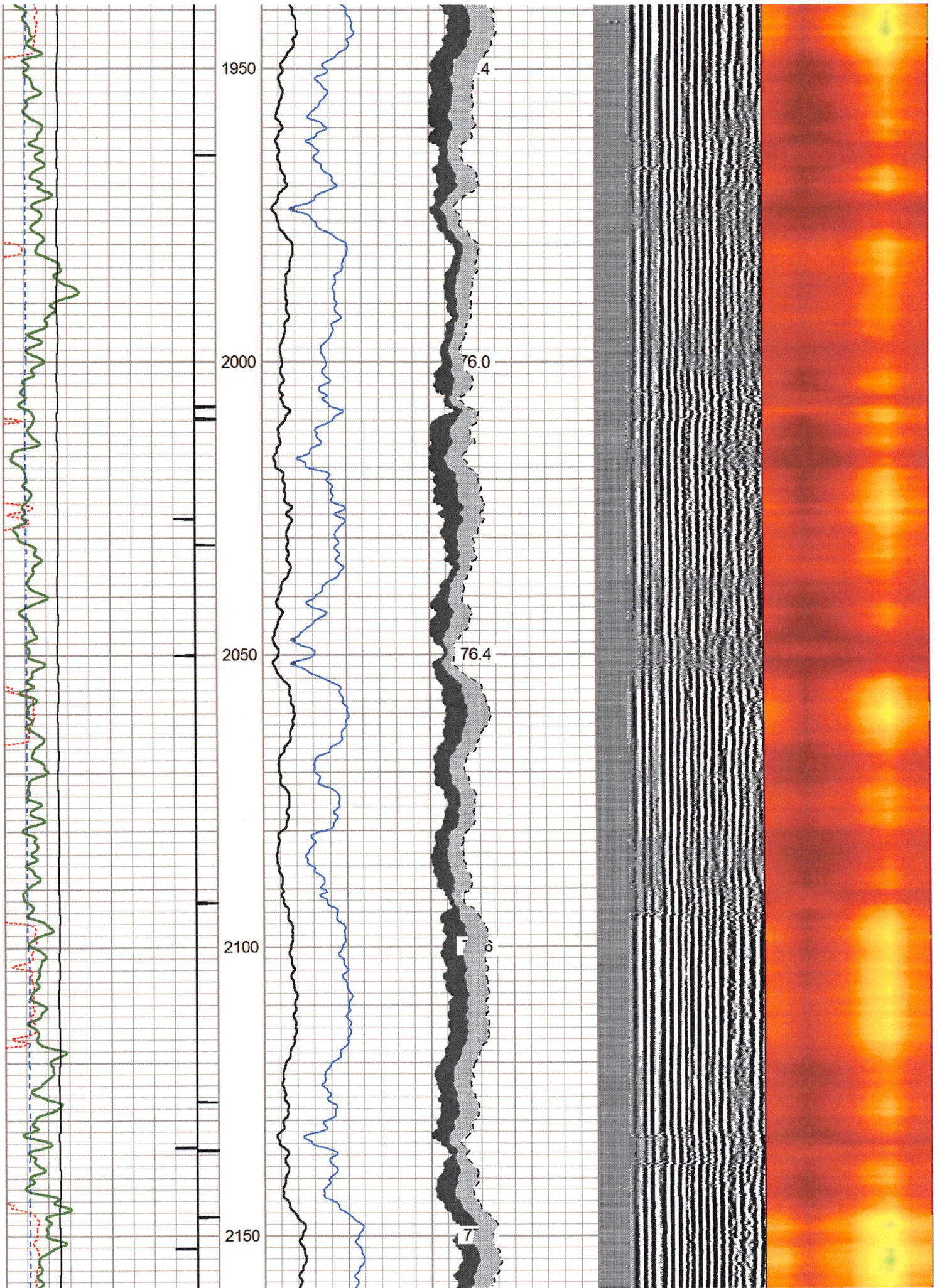


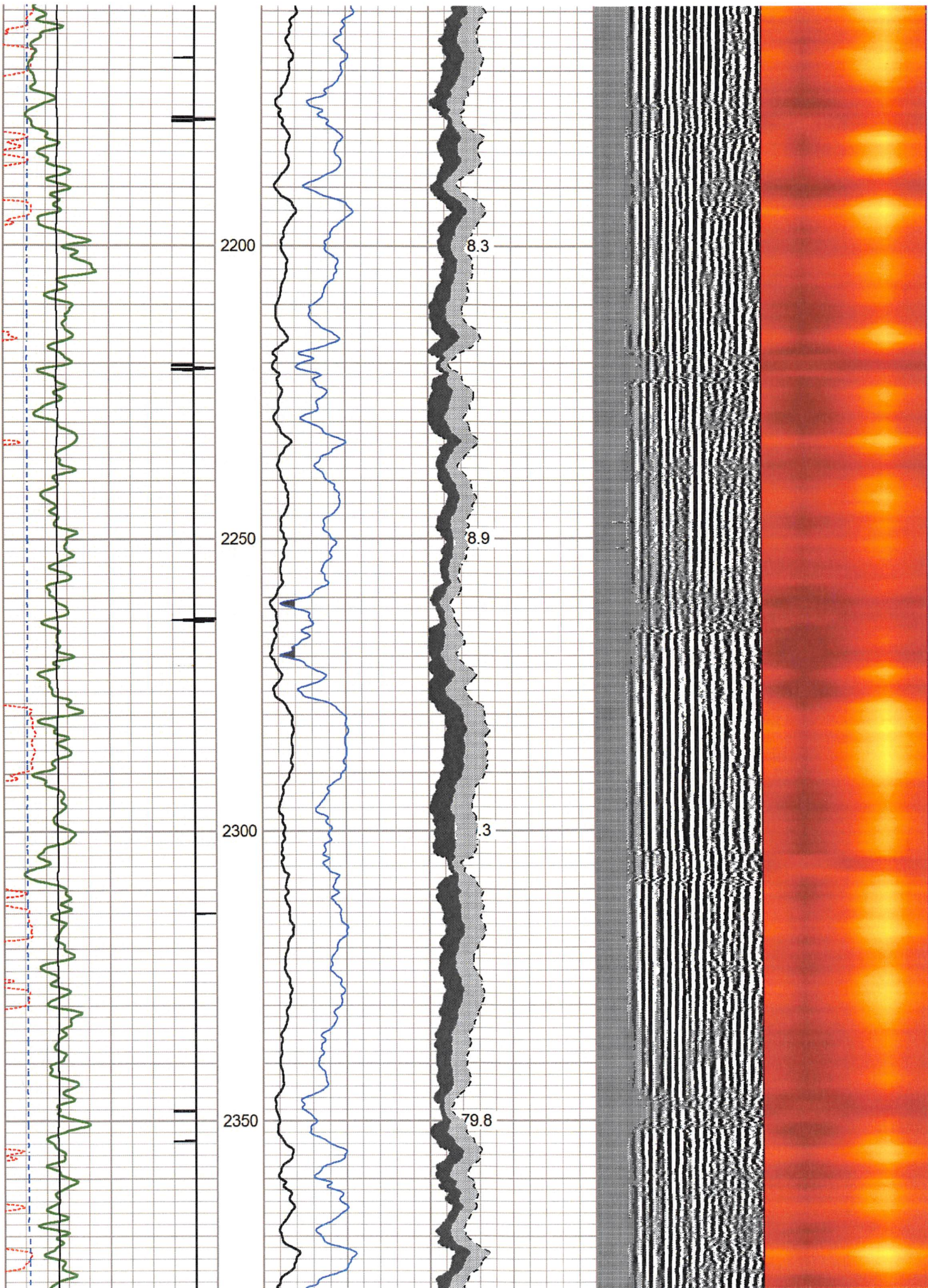


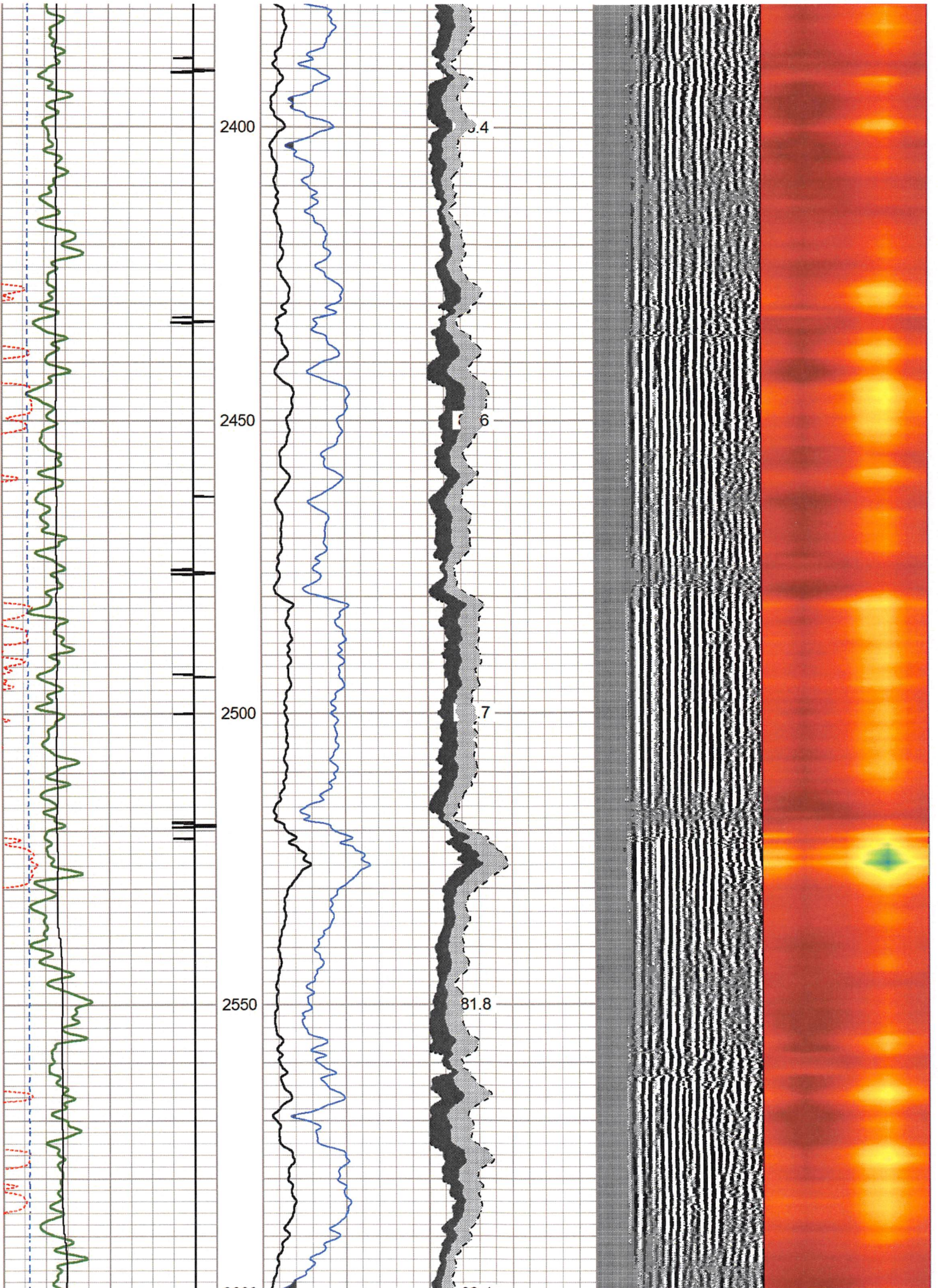


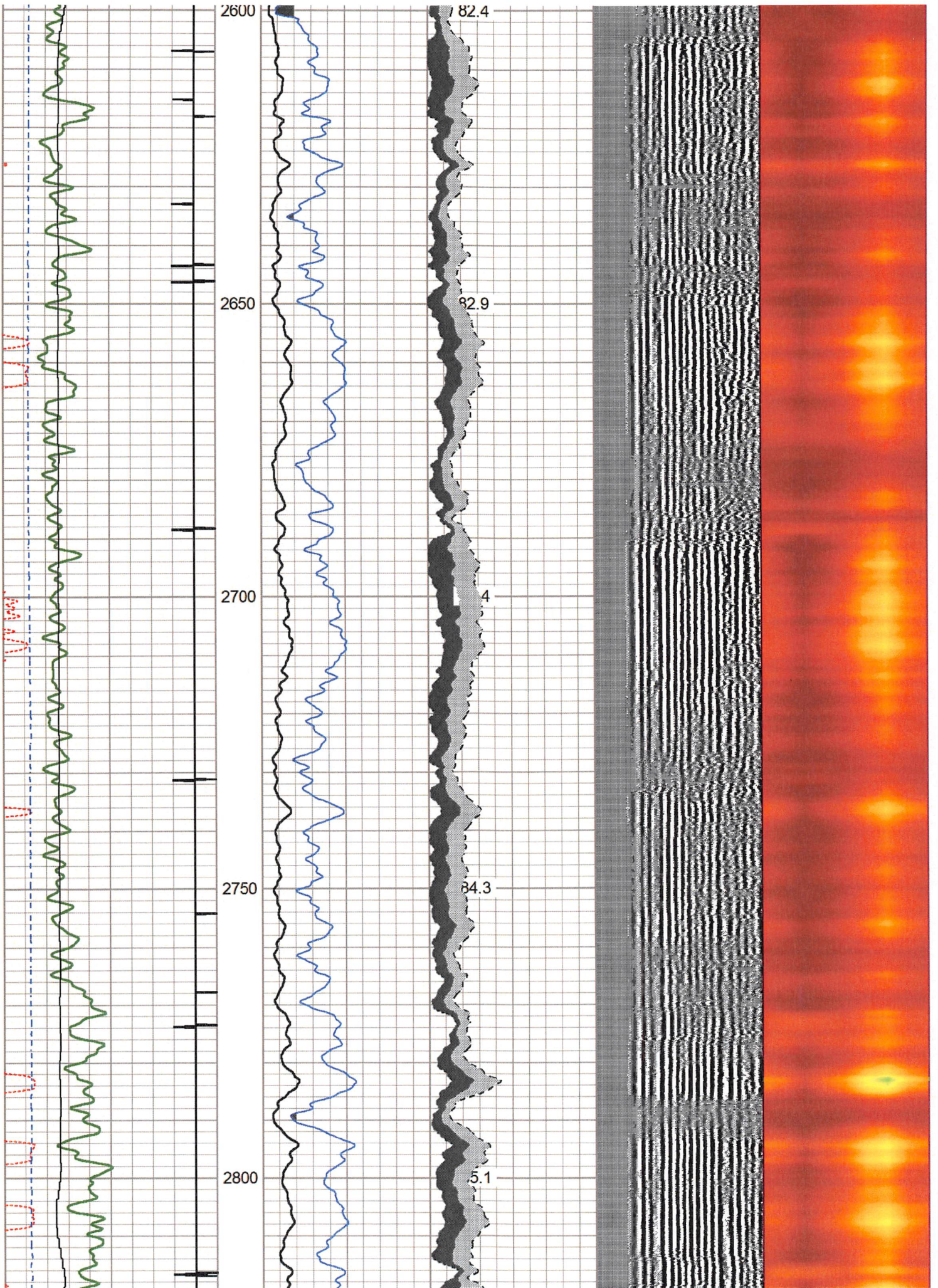


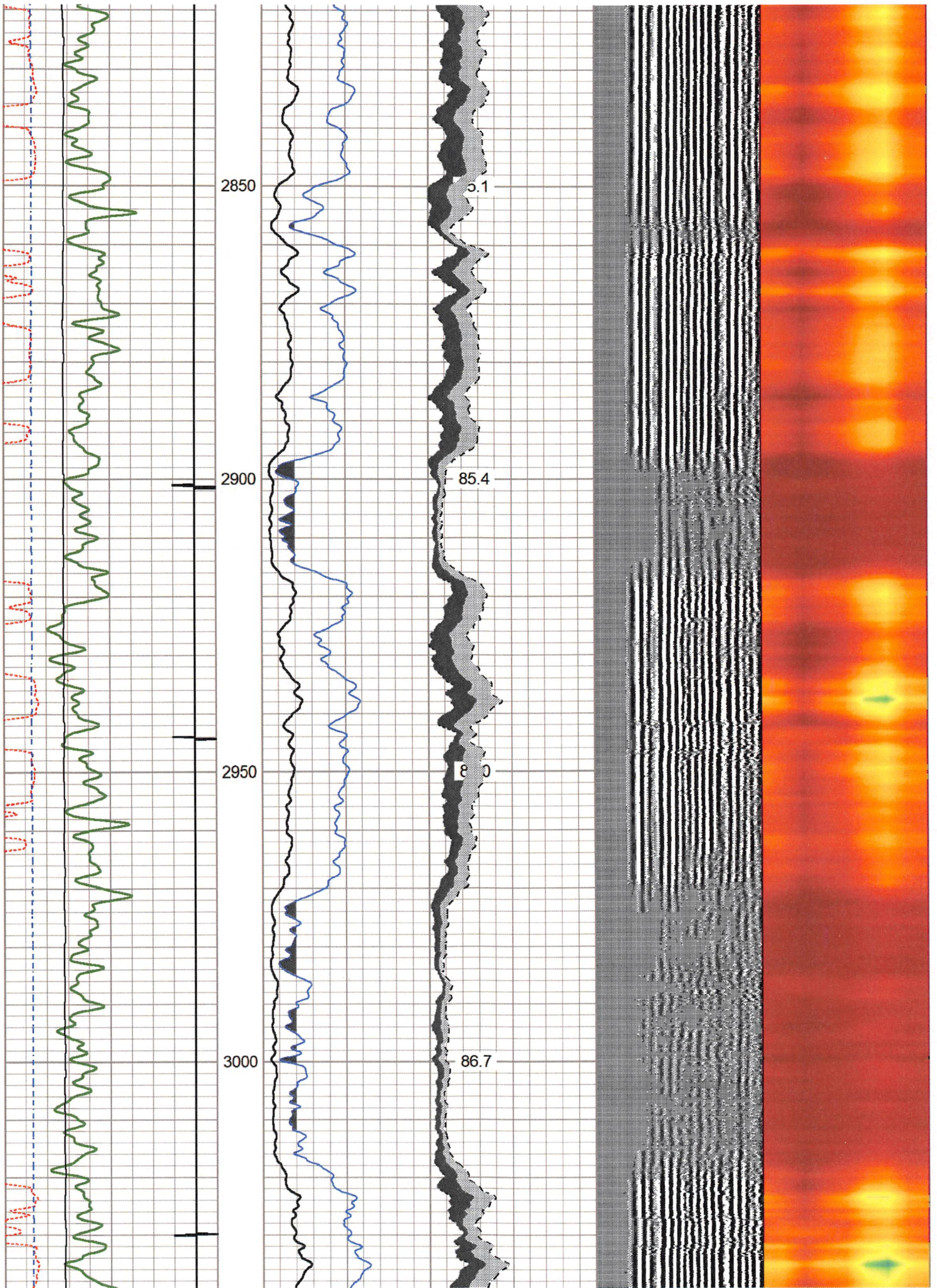


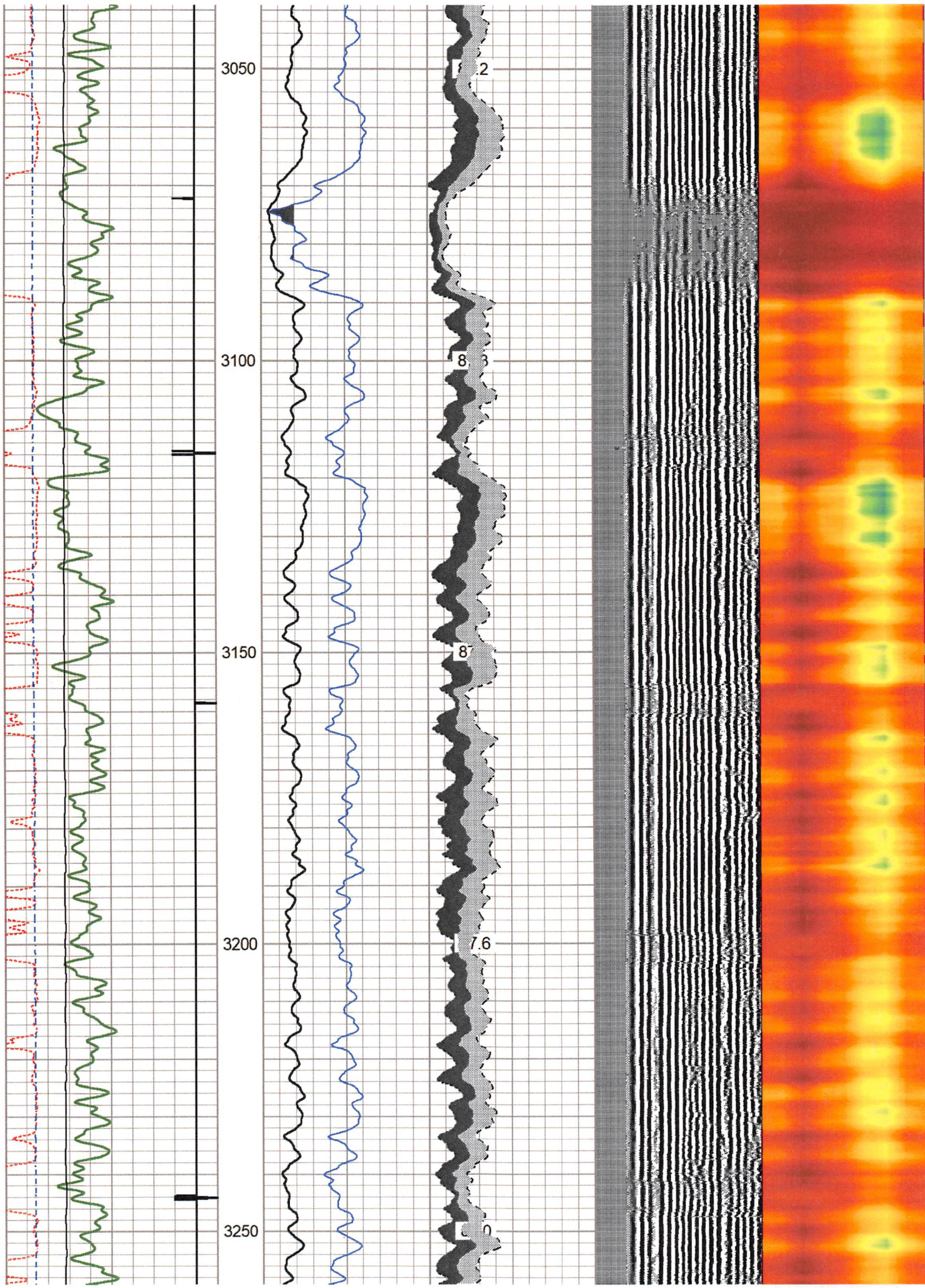


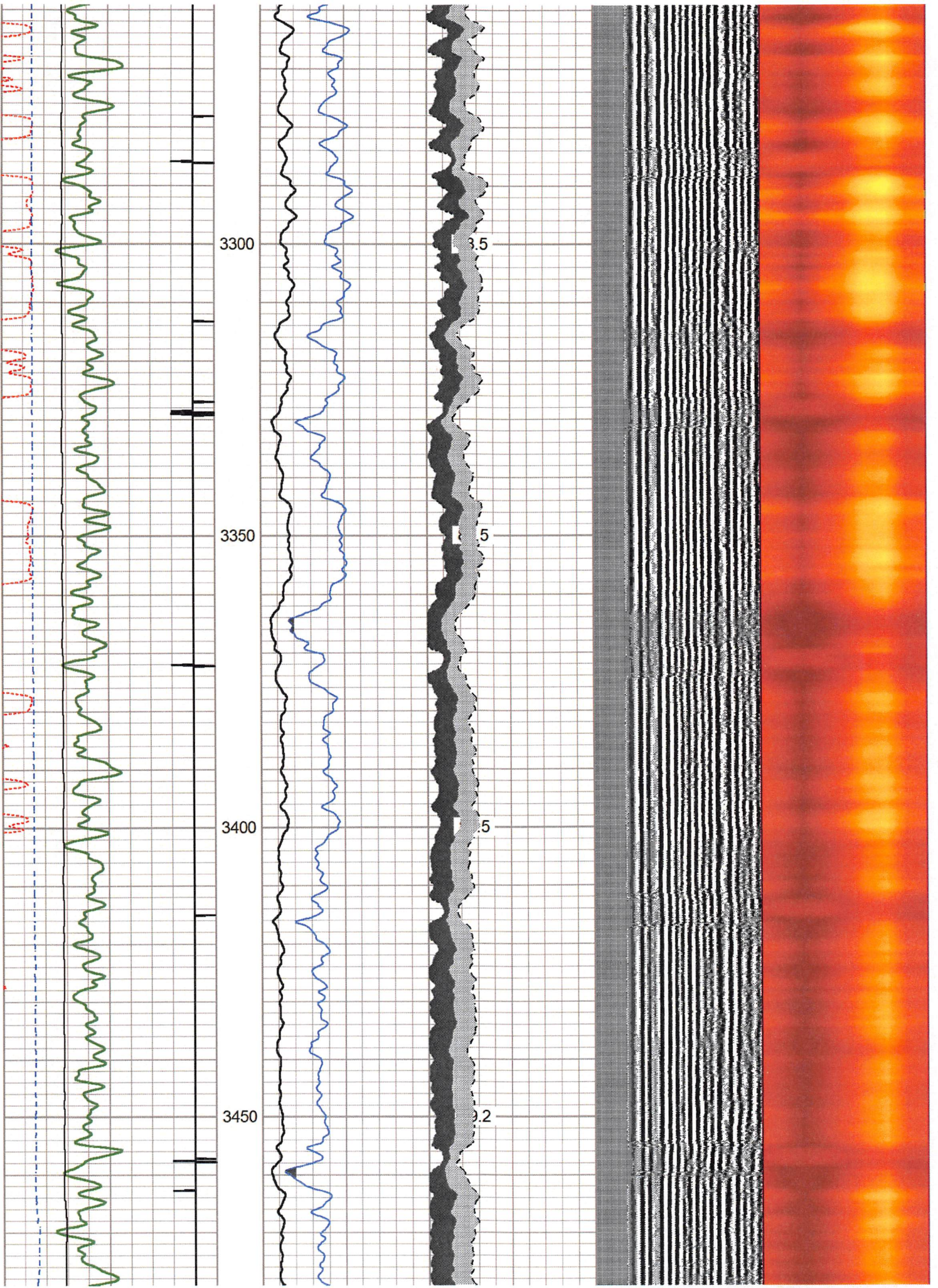


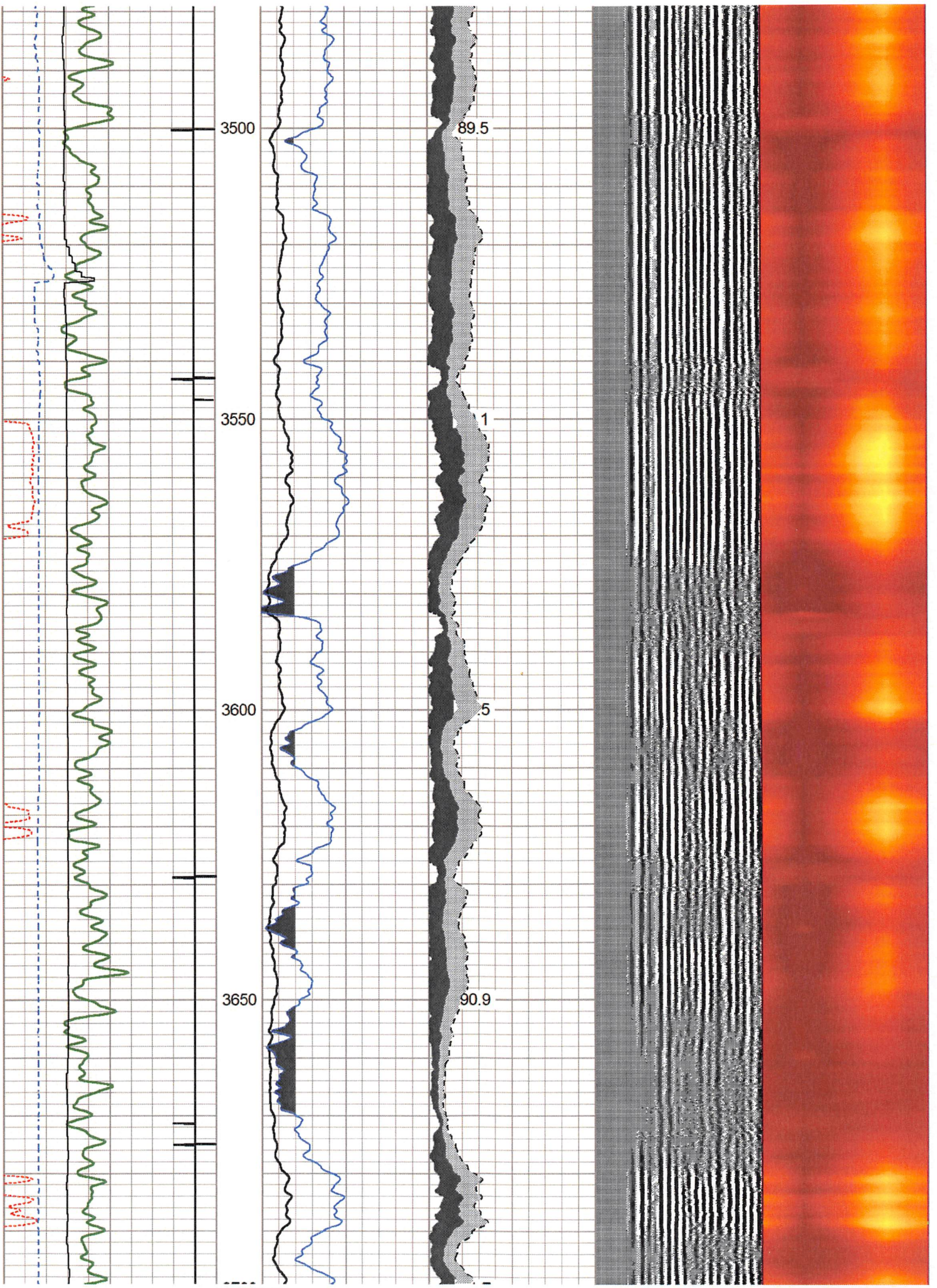


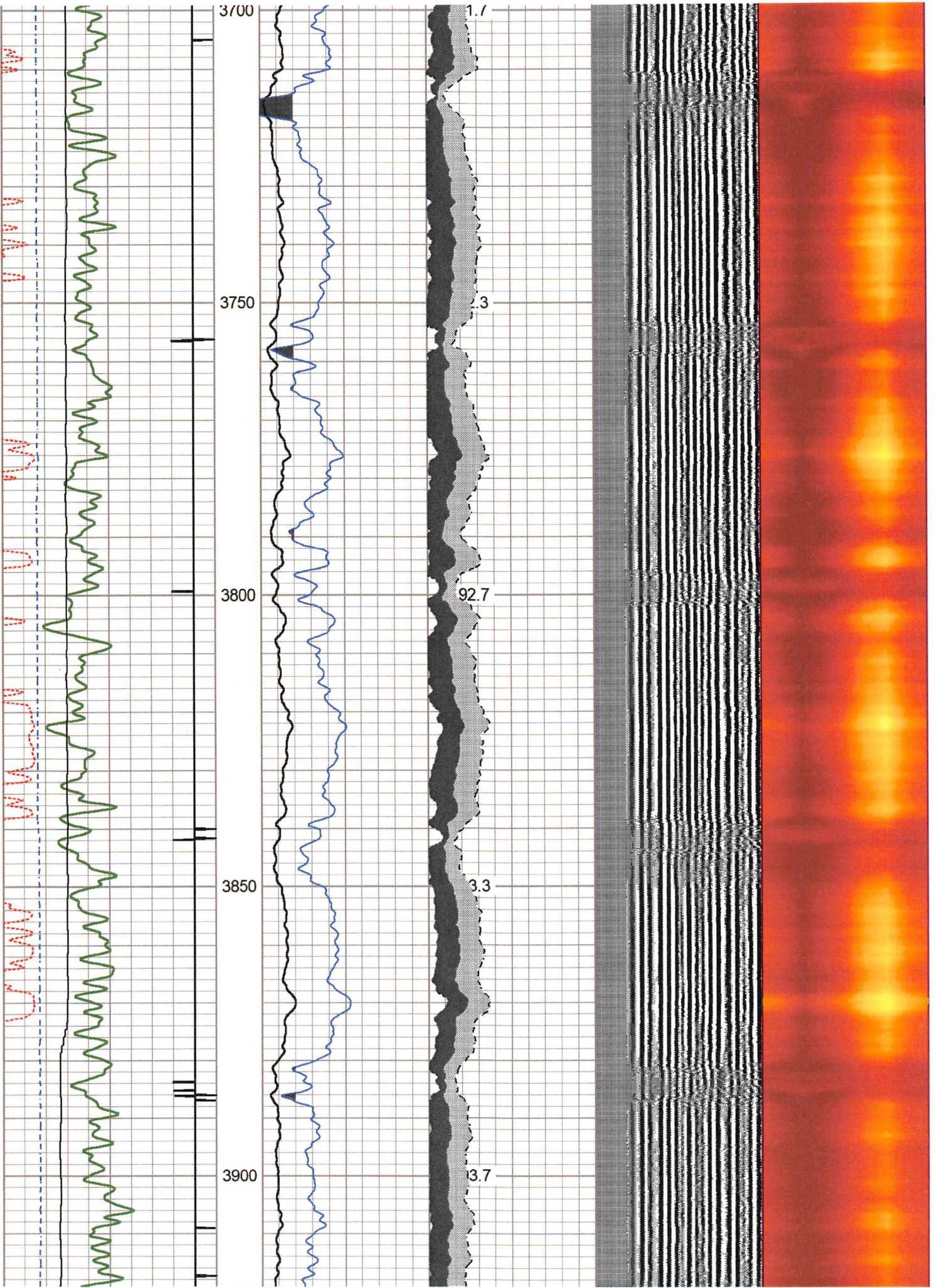


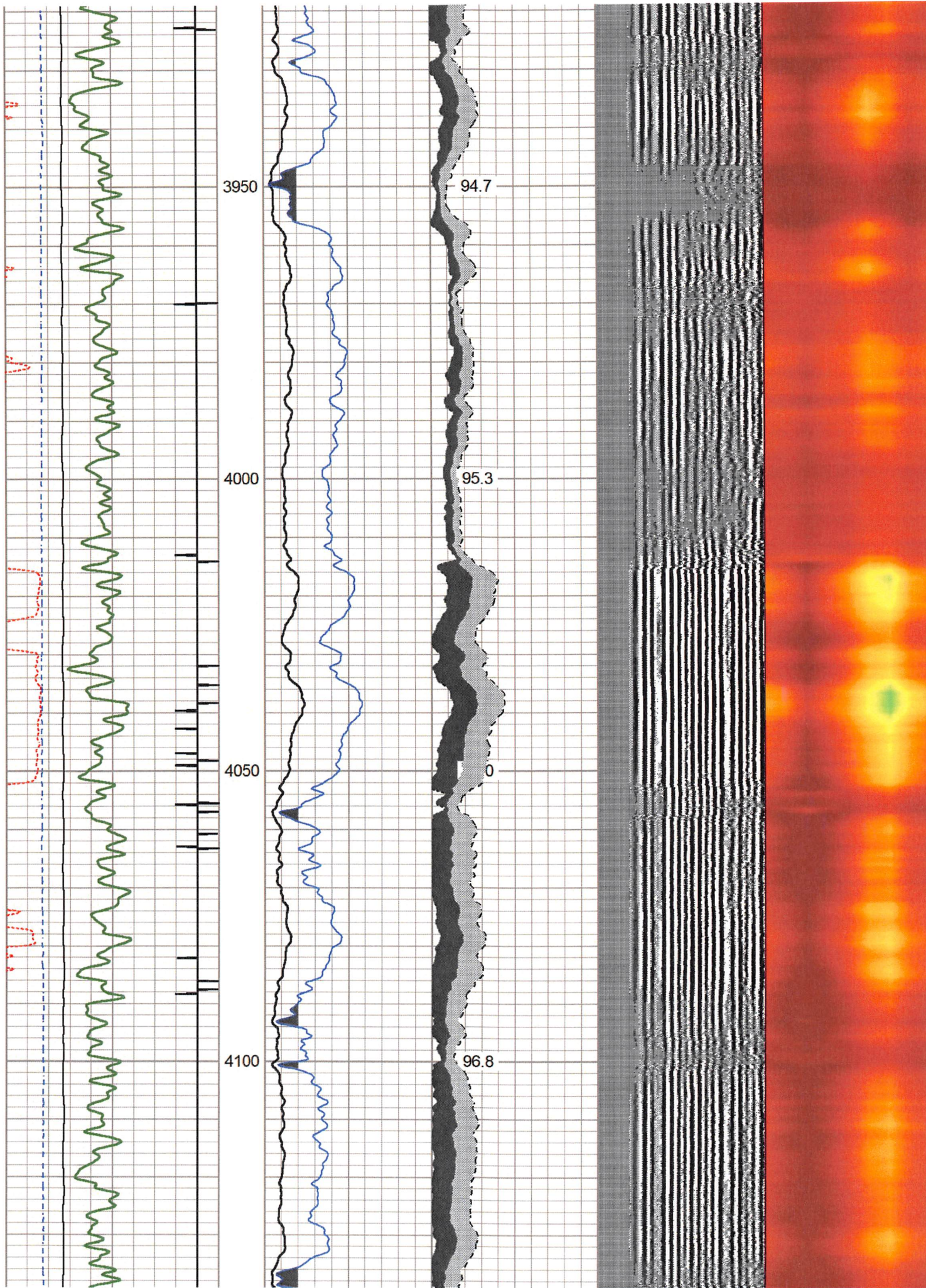


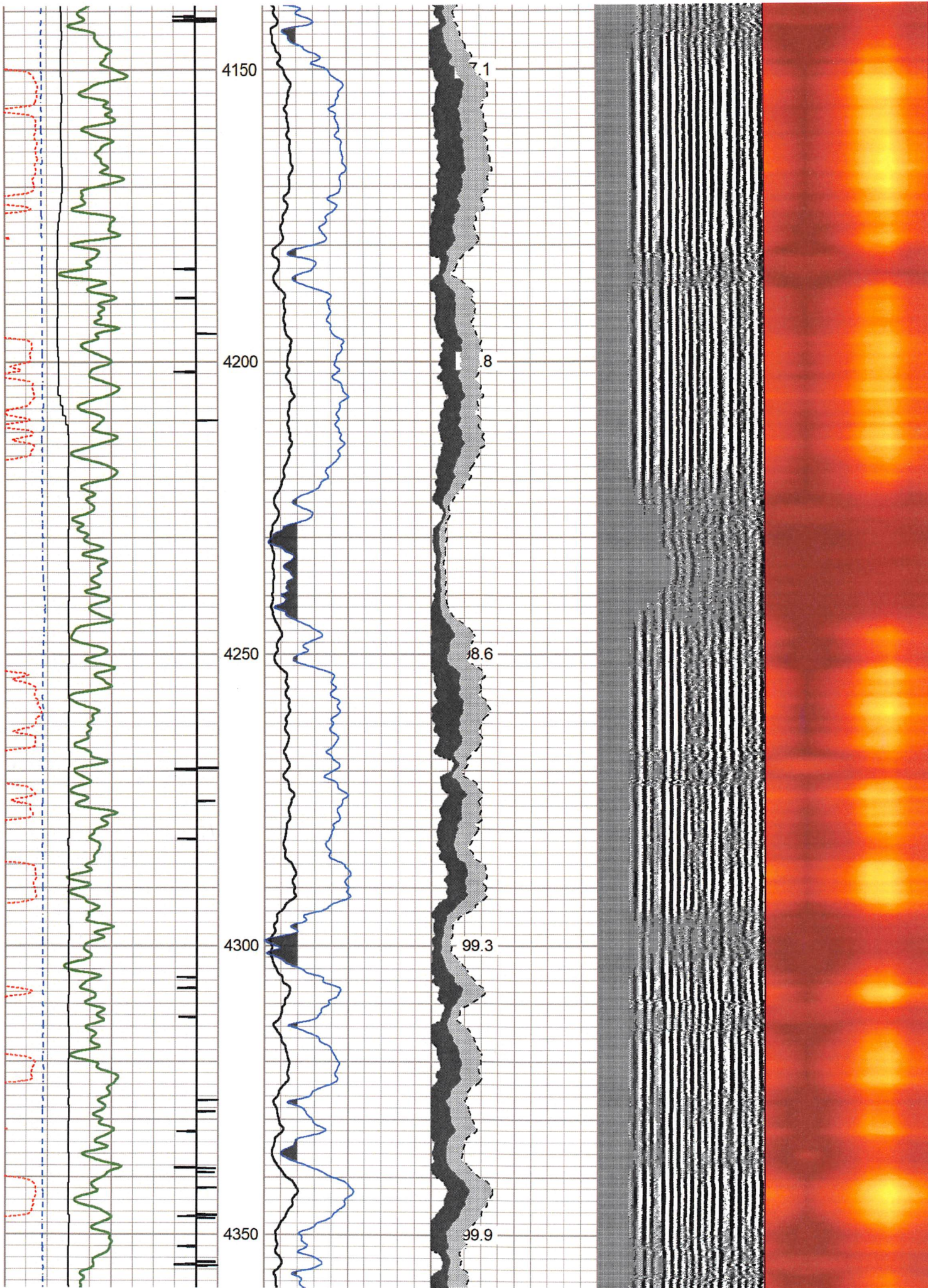


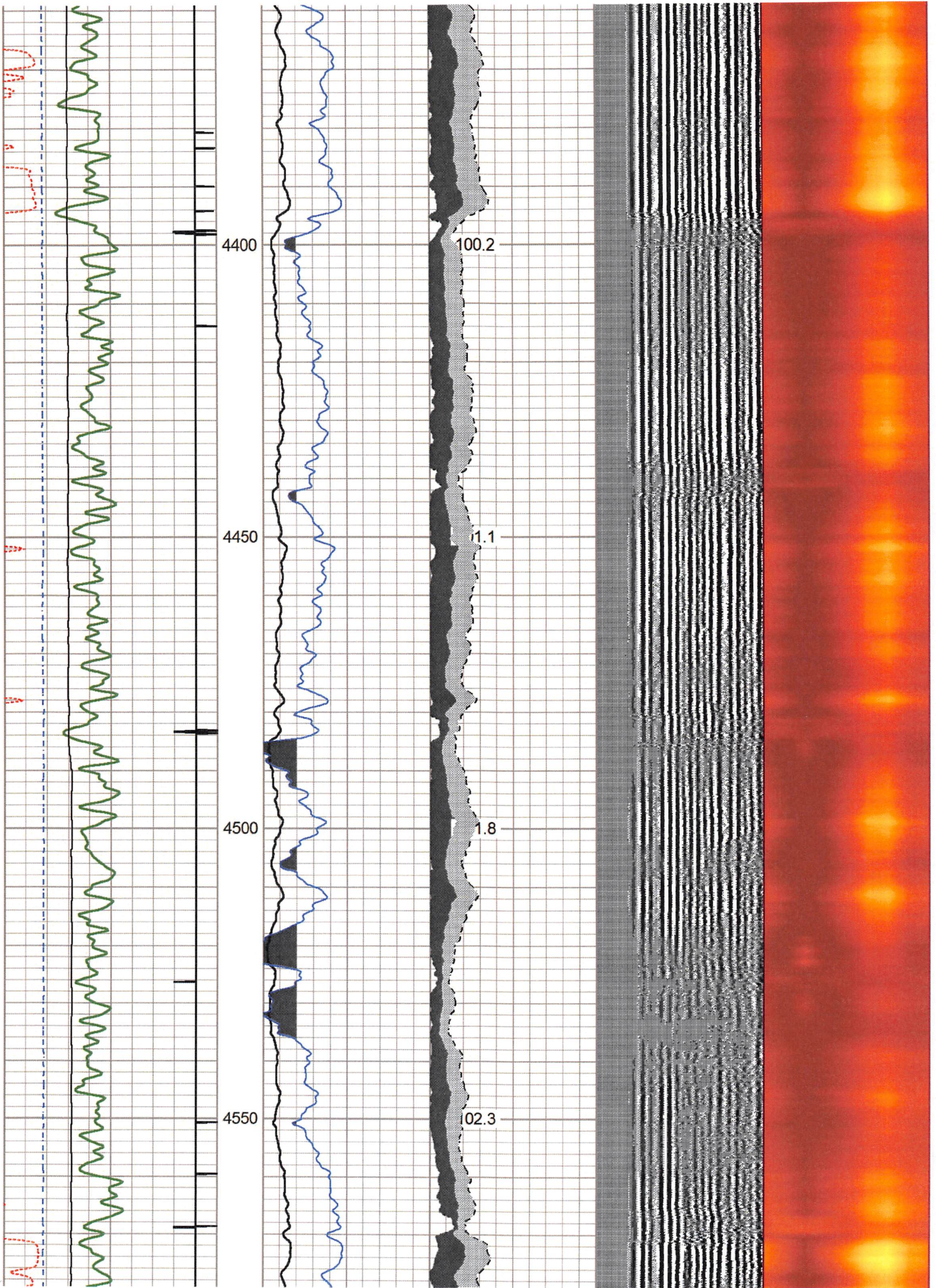


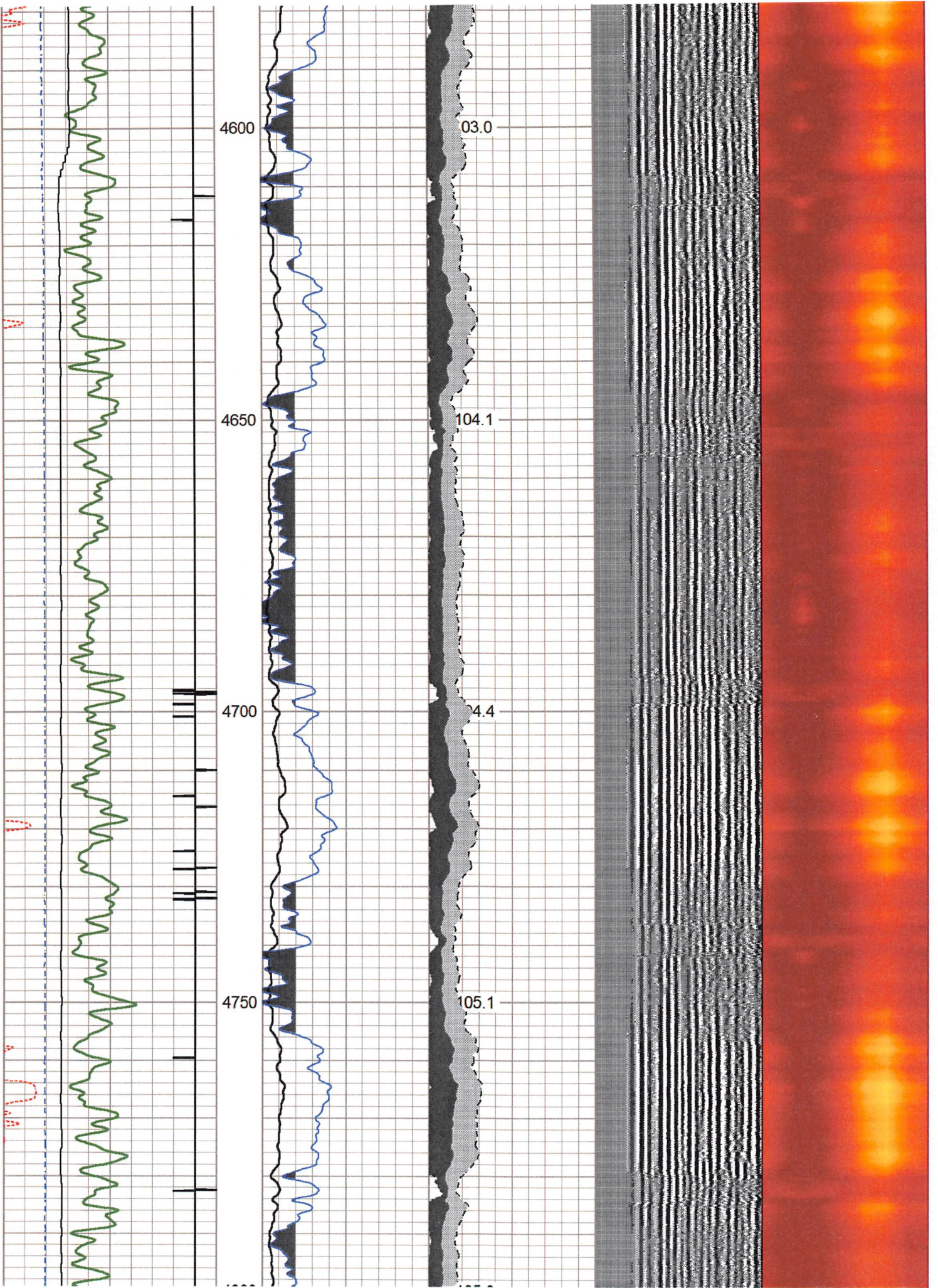


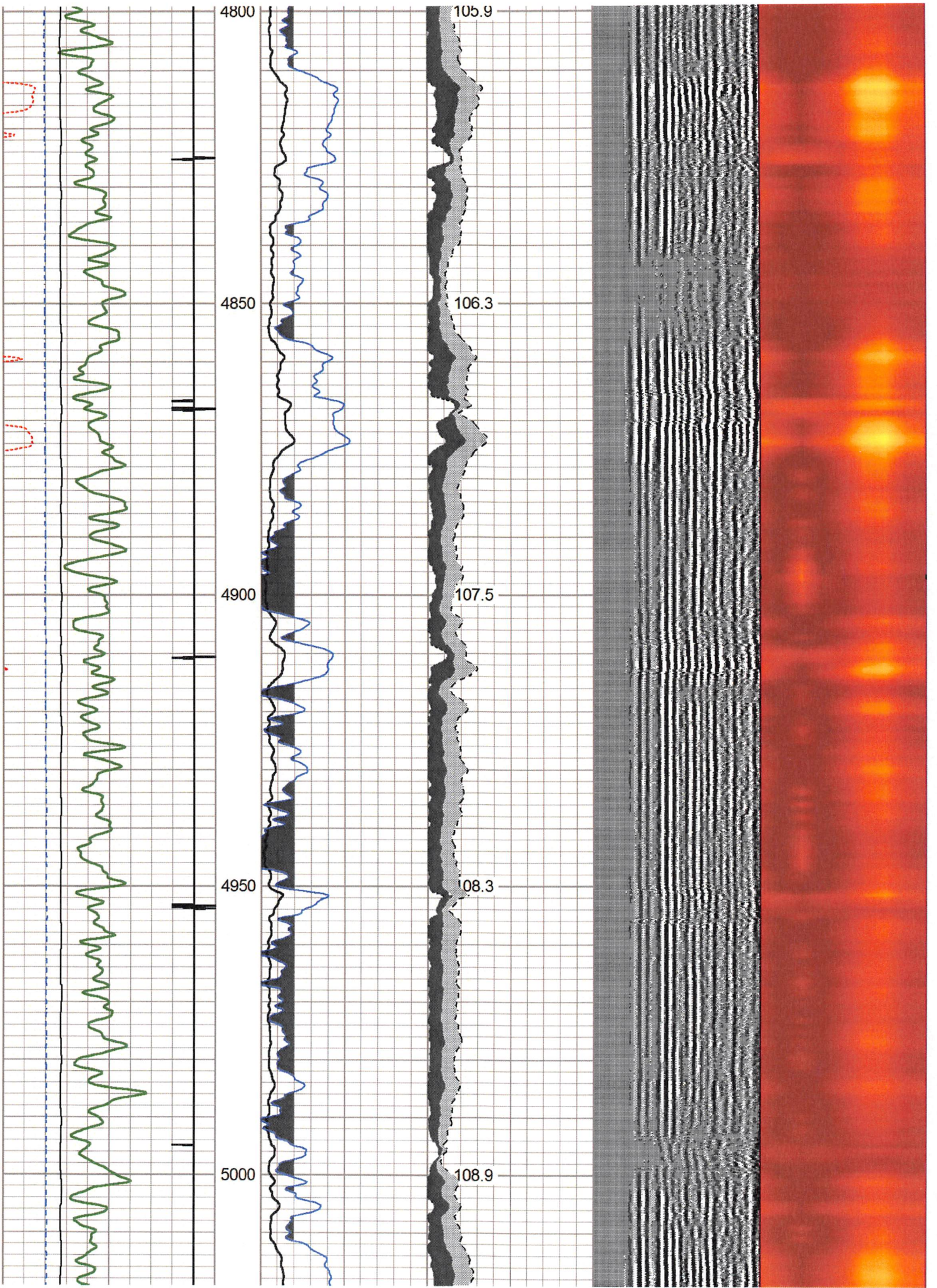


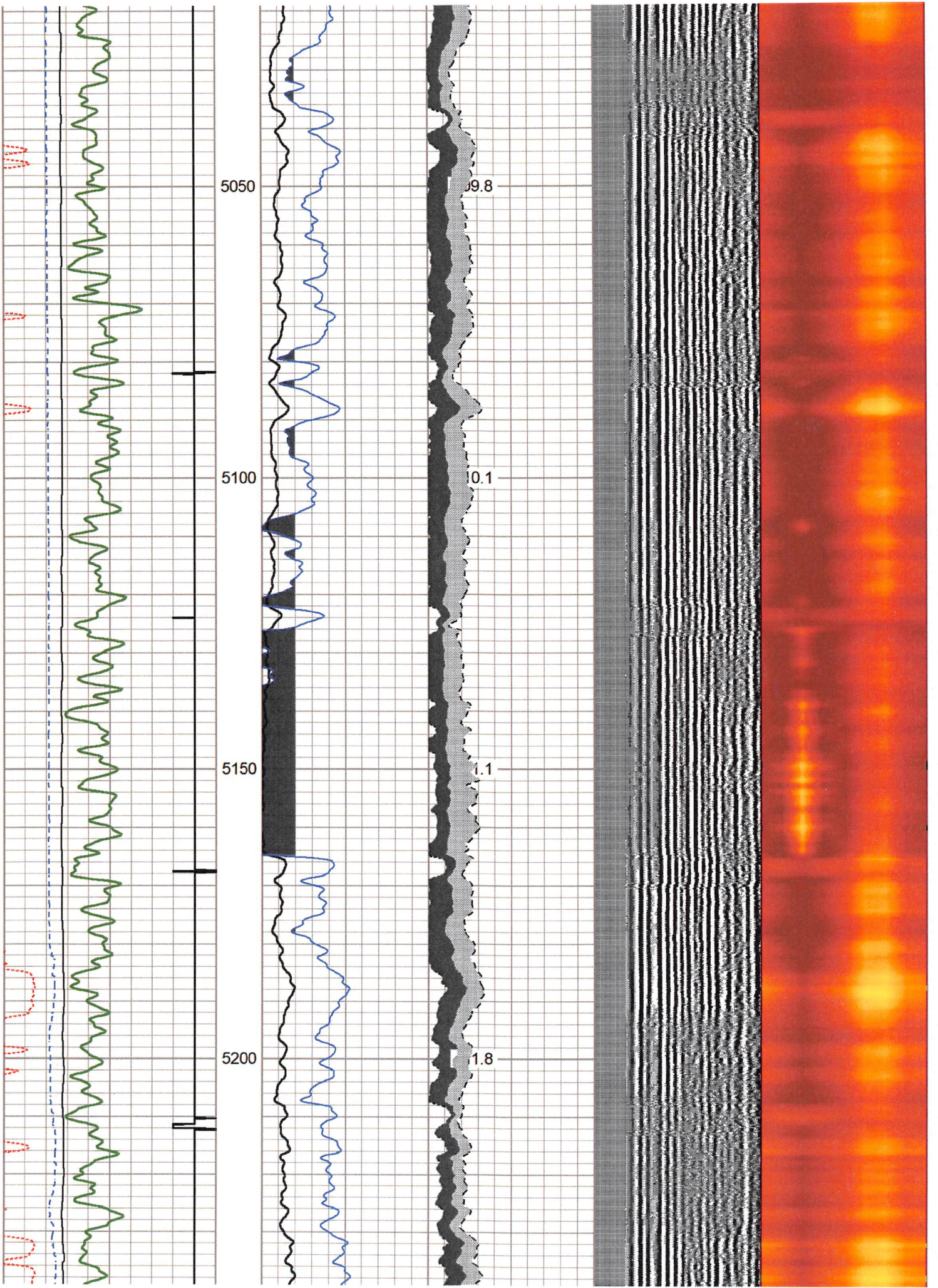


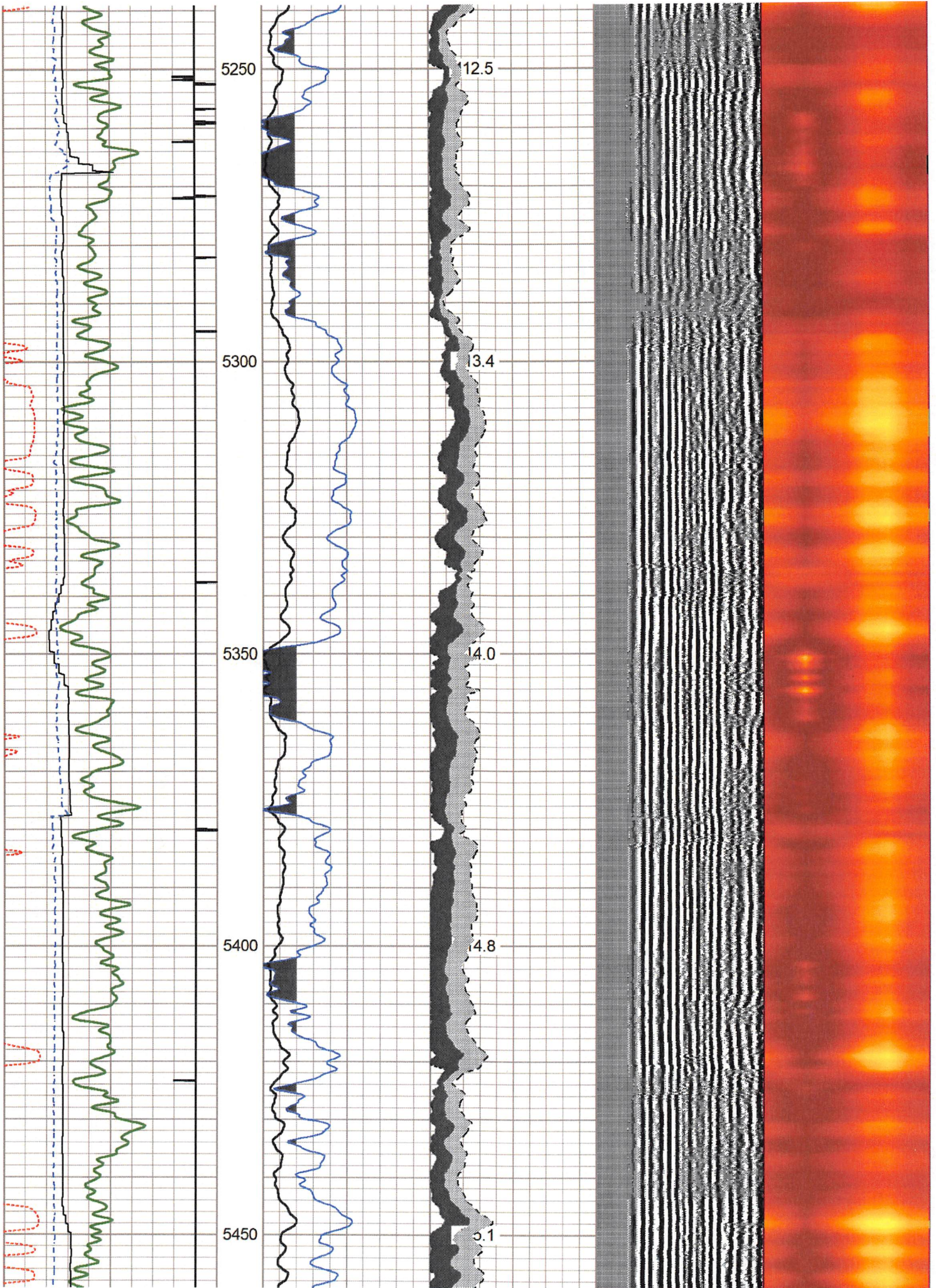


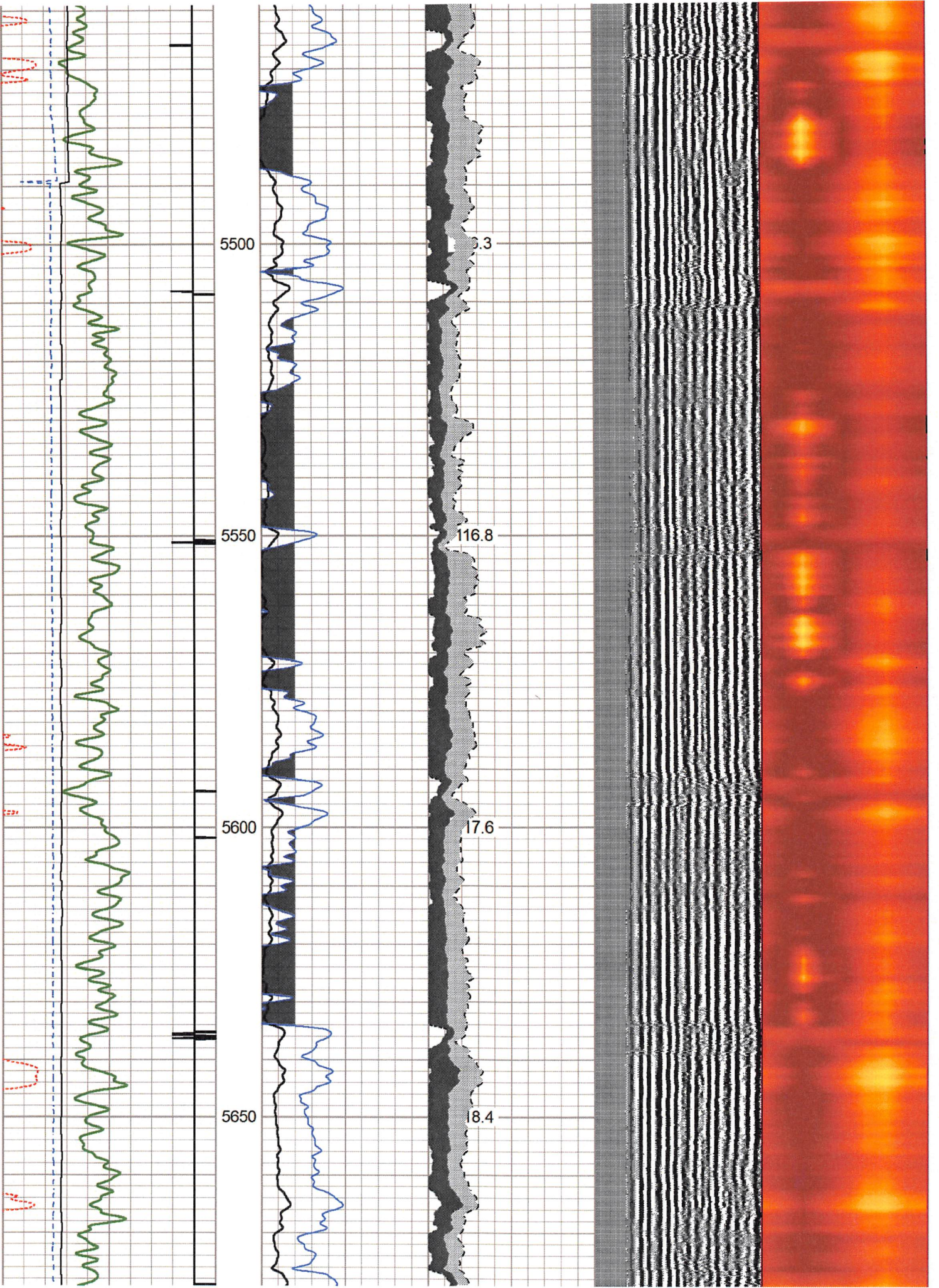


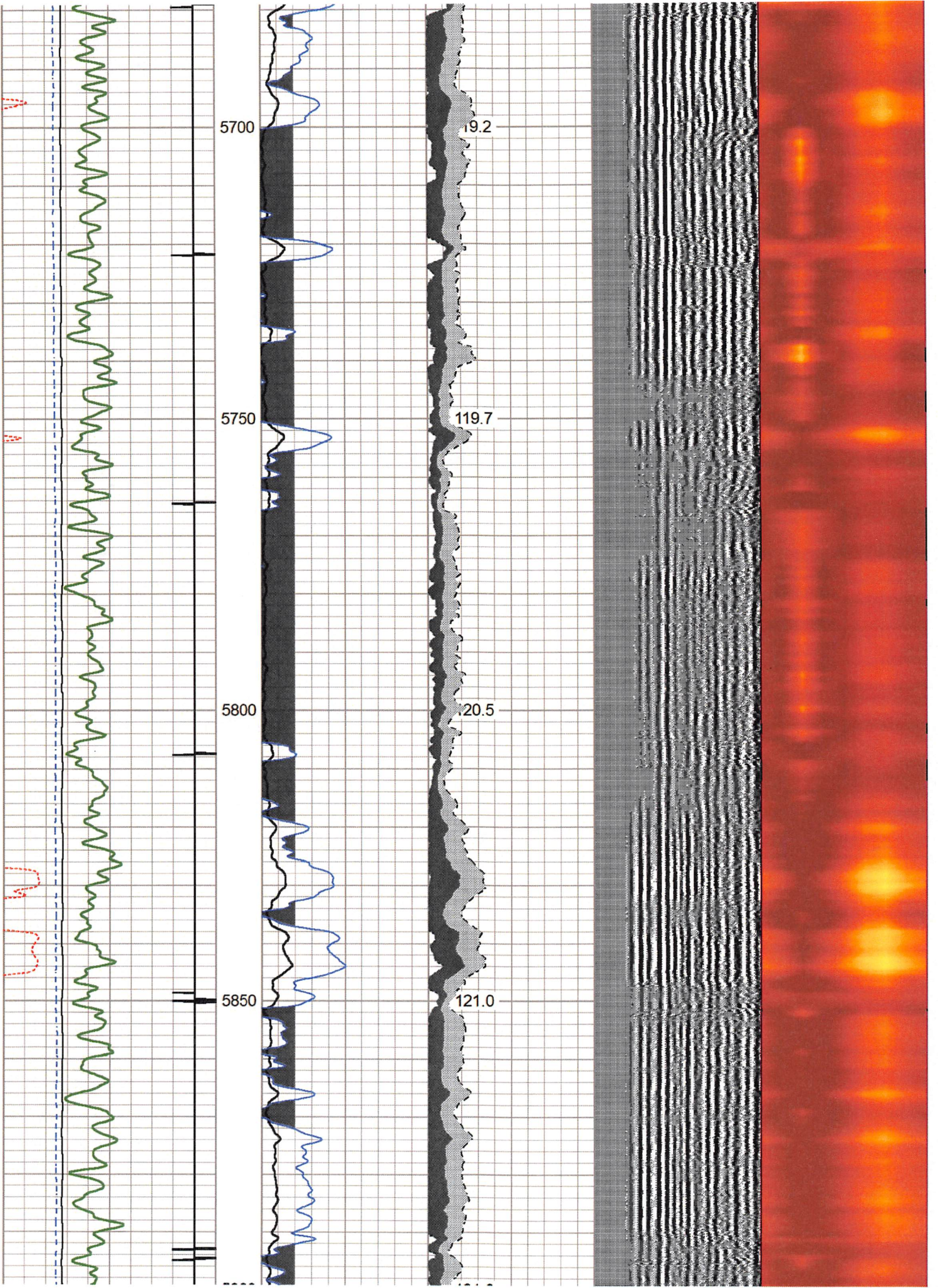


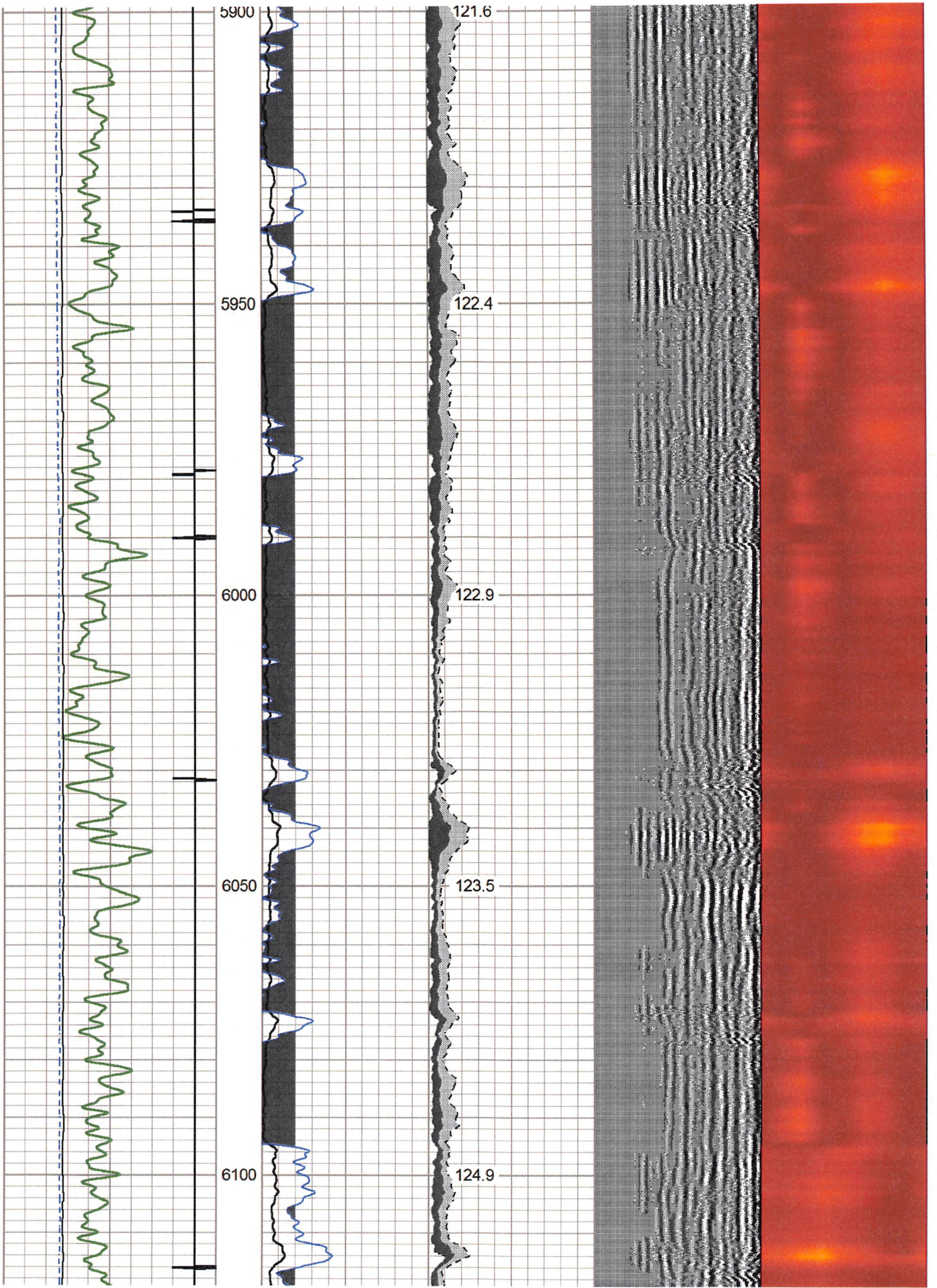


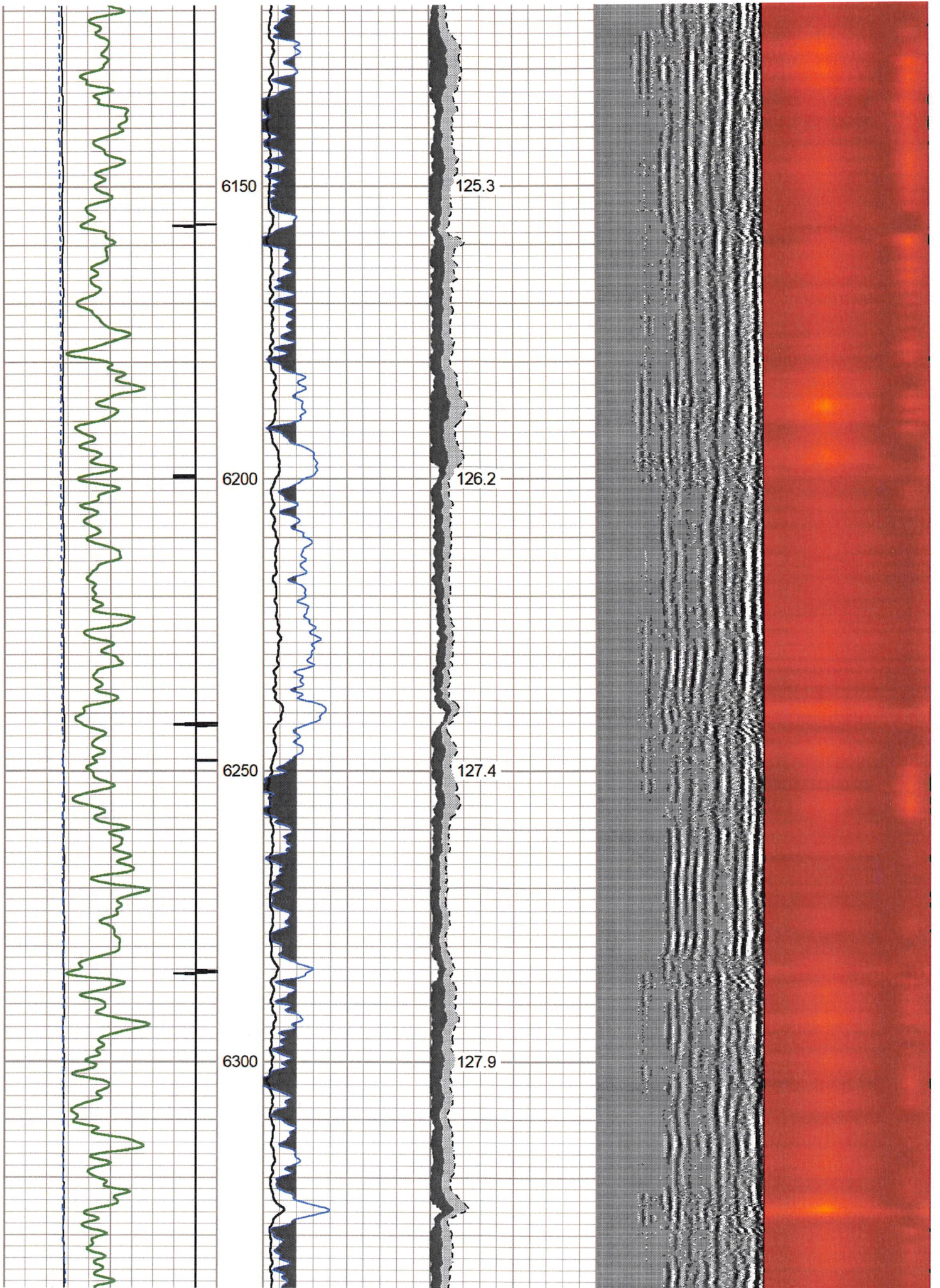


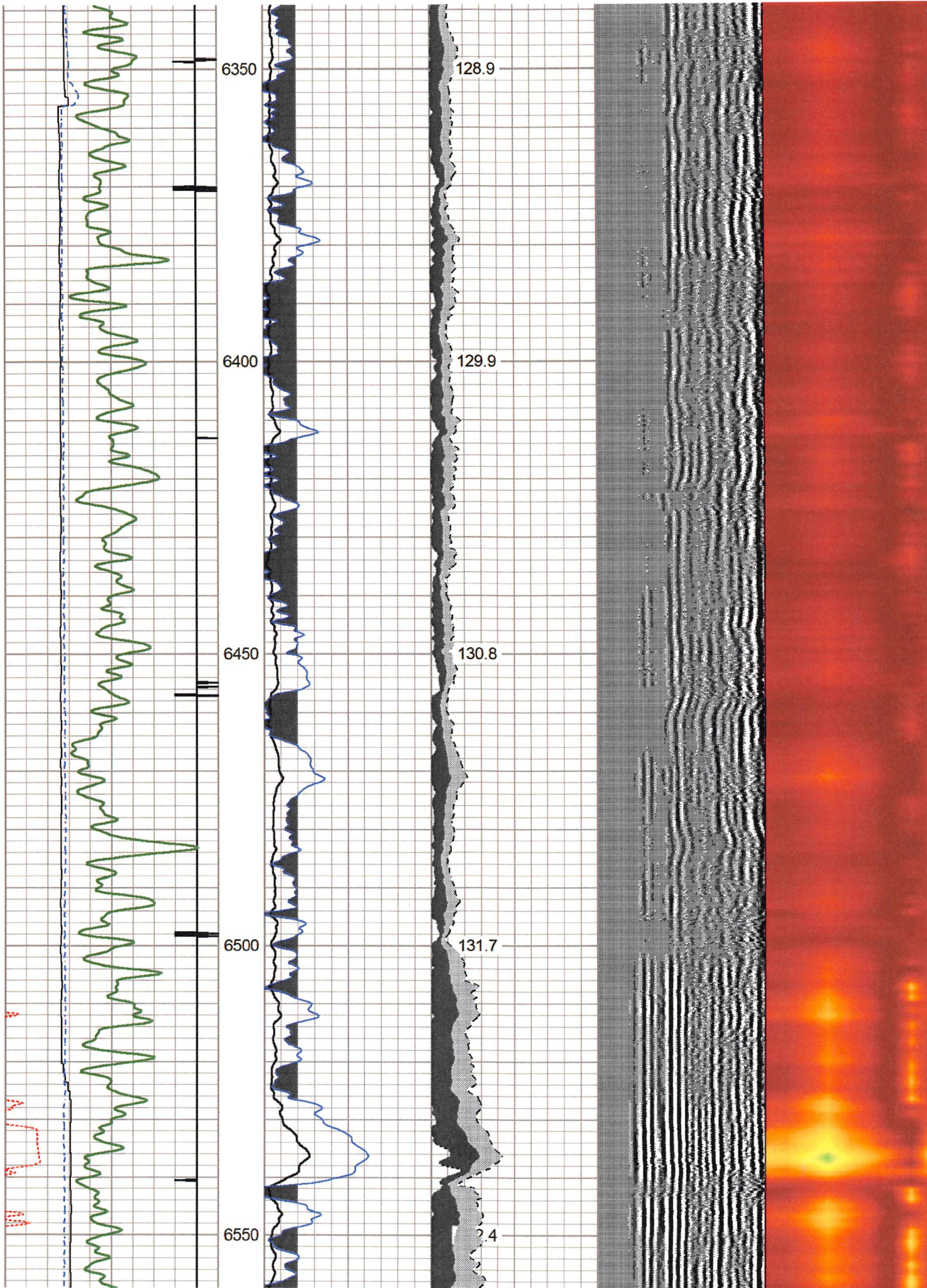


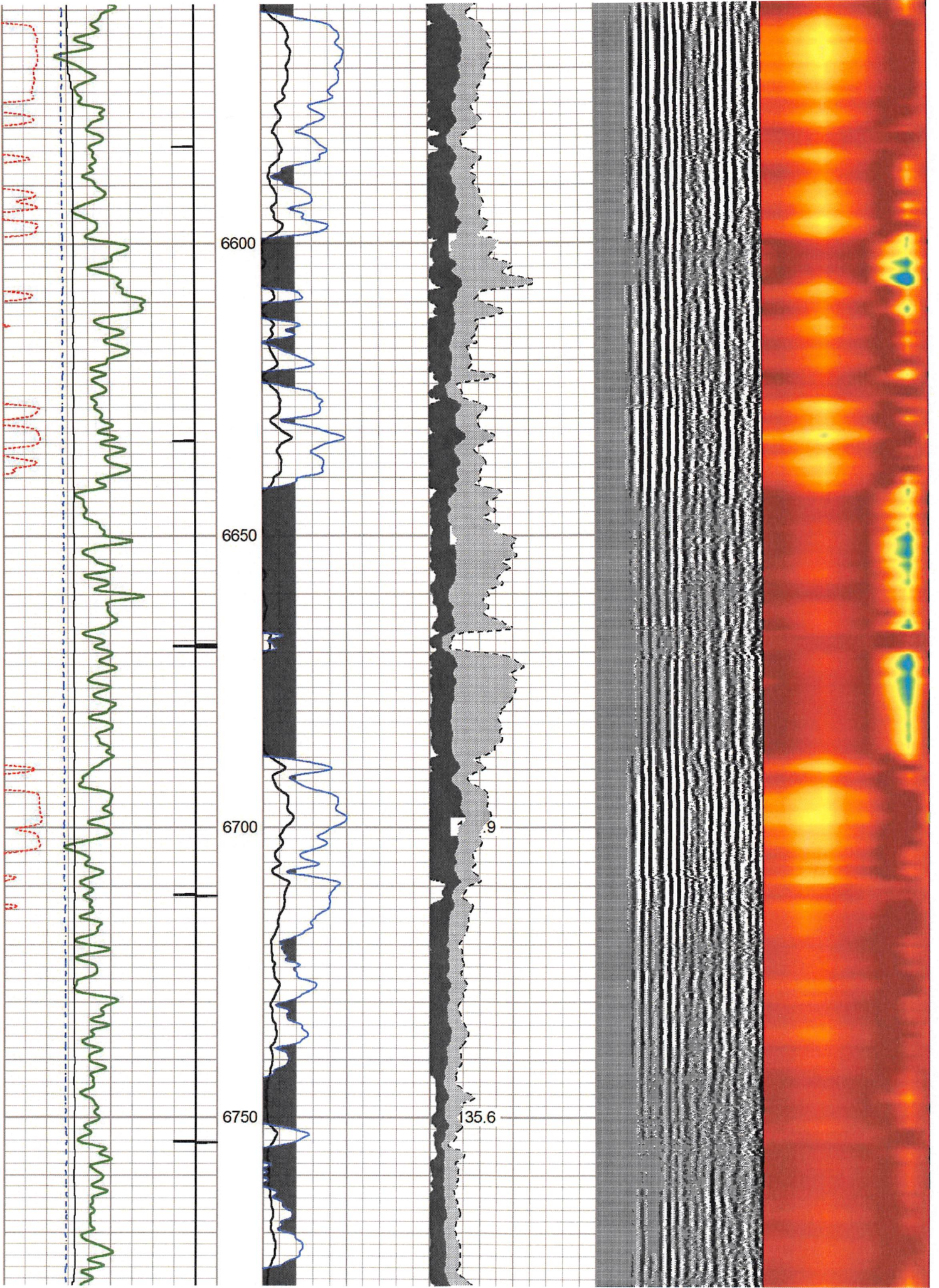












6600

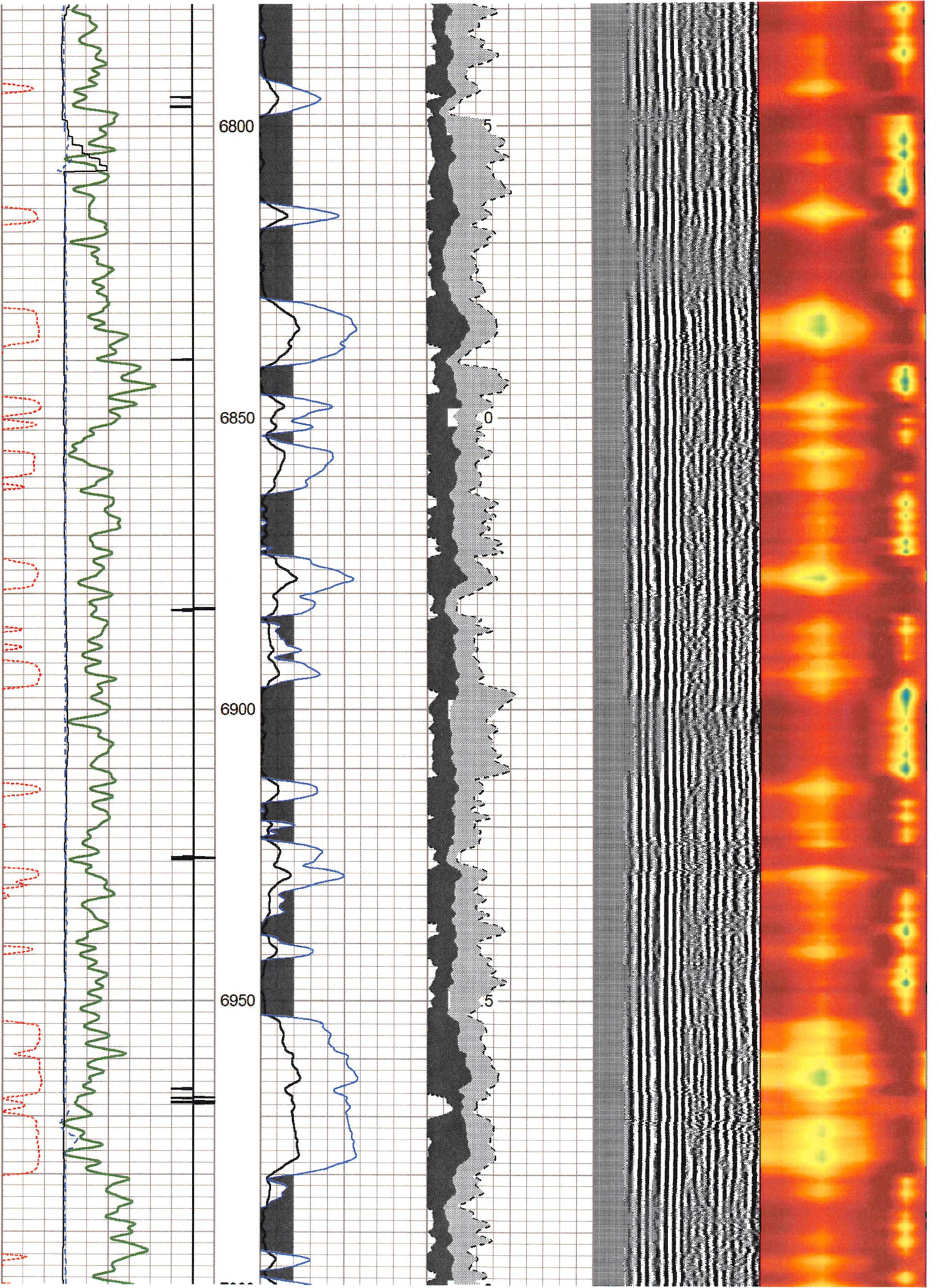
6650

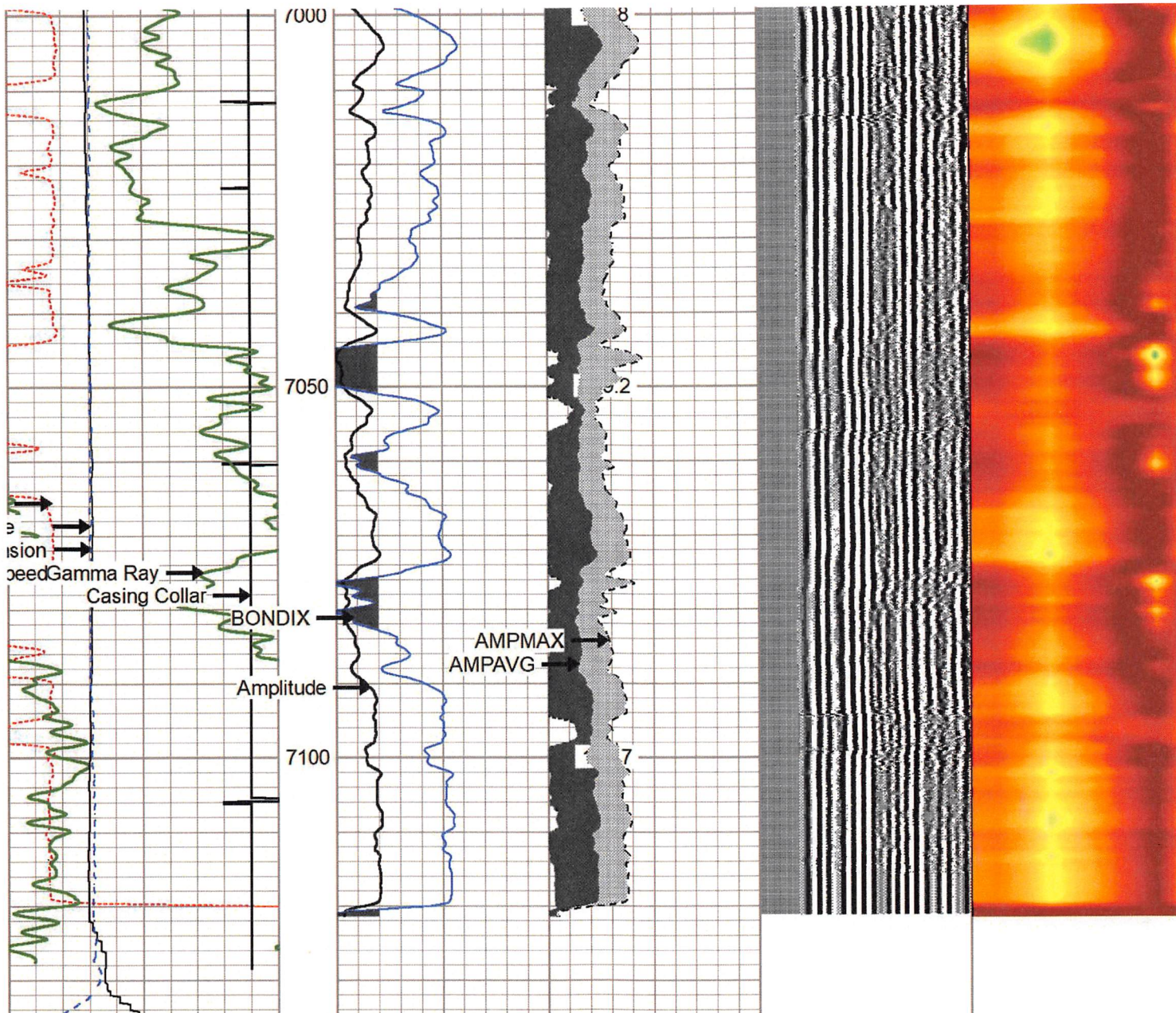
6700

6750

9

135.6





270	Travel Time (usec)	160	0	Amplitude (mV)	100	-5	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	-5	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150				-5	AMPAVG	150				
	Line Speed						TEMP					
-200	(ft/min)	200					(degF)					
0	Line Tension (lb)	5000										



Main Pass 1500 PSI



Repeat 0 PSI

Presentation Format robl-bond index for antero 1020
 Dataset Creation Mon Jun 20 10:50:52 2022
 Charted by Depth in Feet scaled 1:240

270 Travel Time (usec) 160
 9 Casing Collar -1

0 Gamma Ray (GAPI) 150

Line Speed
 -200 (ft/min) 200

0 Line Tension (lb) 5000

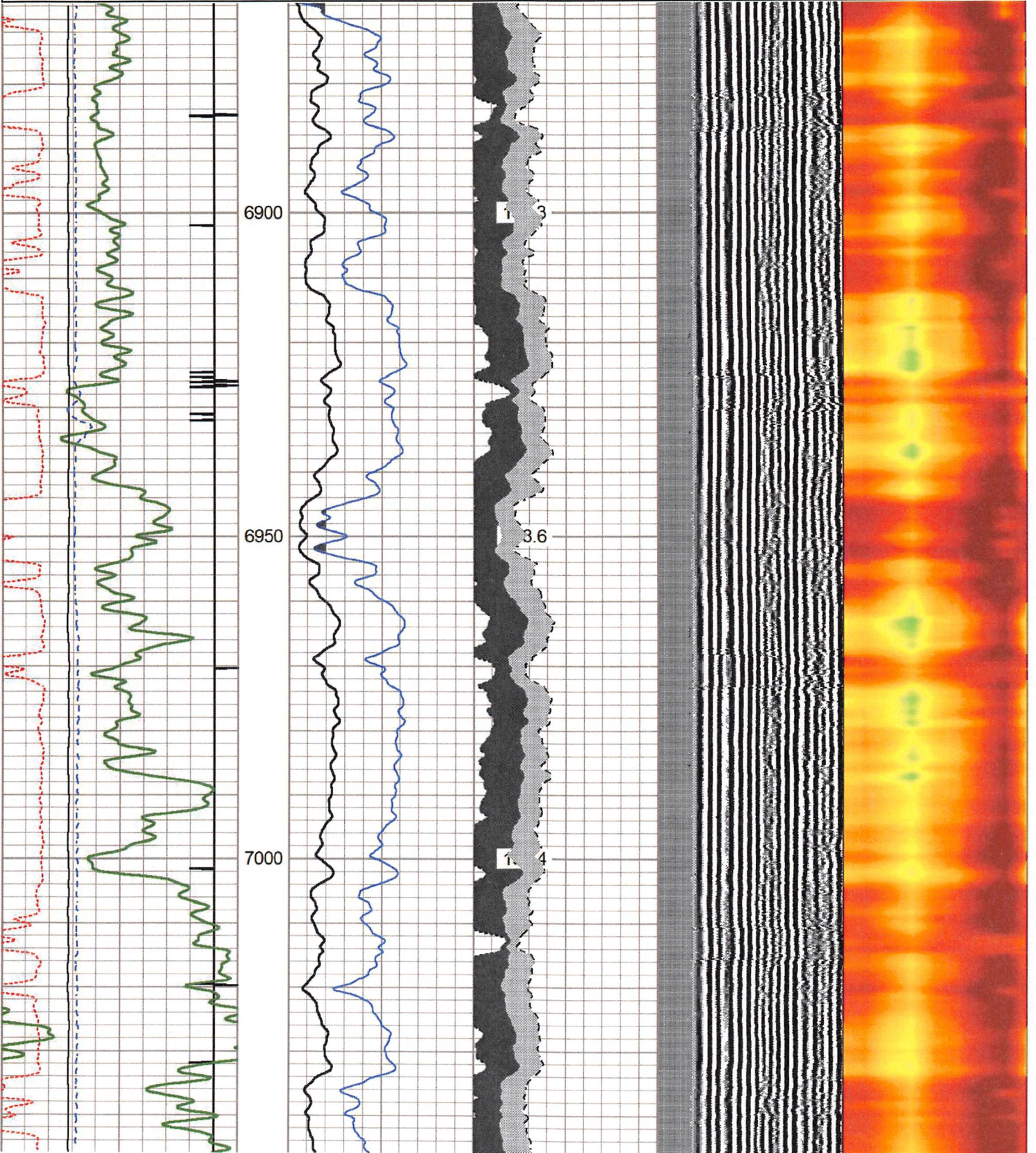
0 Amplitude (mV)100
 1 BONDIX 0

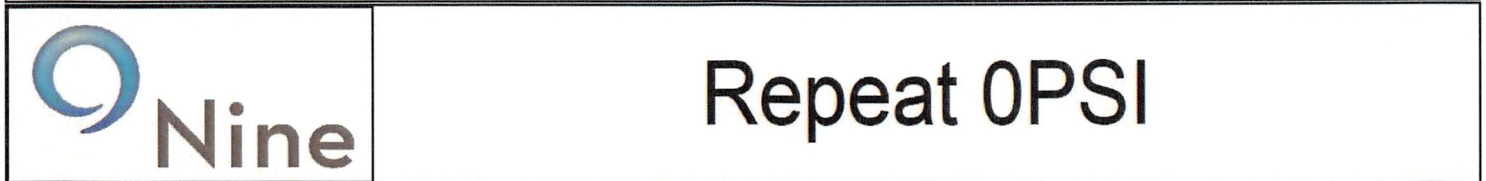
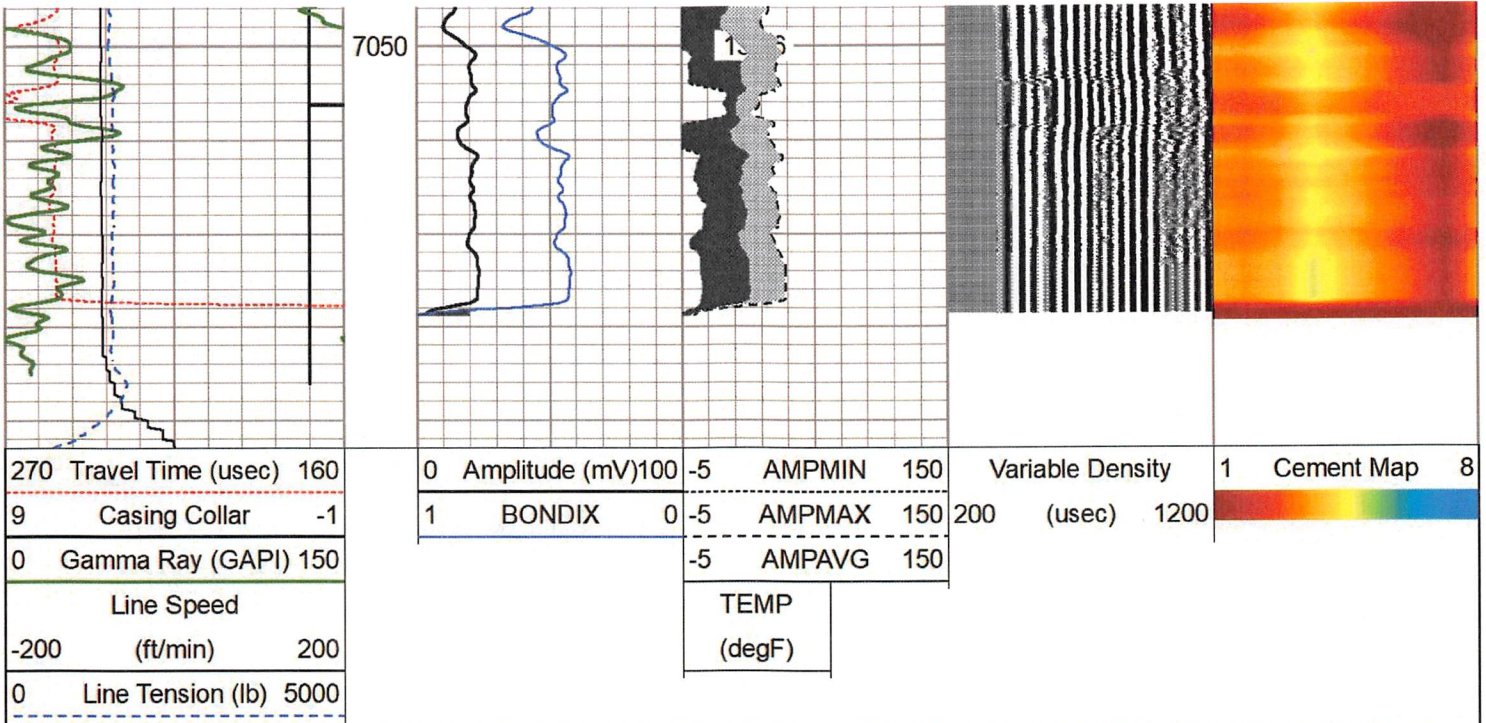
-5 AMPMIN 150
 -5 AMPMAX 150
 -5 AMPAVG 150

TEMP
 (degF)

Variable Density
 200 (usec) 1200

1 Cement Map 8





Calibration Report

Database File june 20 2022 antero resources wabble 1h.db
 Dataset Pathname merge2
 Dataset Creation Mon Jun 20 12:50:05 2022

Gamma Ray Calibration Report

Serial Number: FW1211-86
 Tool Model: Probe
 Performed: Fri May 27 10:01:00 2022

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.5000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 2.75"
 Tool Model: Probe275T

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 731.700 ft

Master Calibration, performed Mon Jun 20 10:09:45 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.726	3.400	71.921	94.735	3.149
CAL	1.309	1.431				
5'	-0.011	0.507	3.400	71.921	132.438	4.819

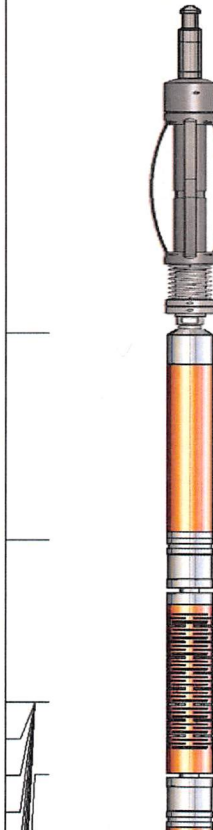

SUM							
S1	0.058	0.827	0.000	100.000	130.023	-7.523	
S2	-0.016	0.700	0.000	100.000	139.664	2.204	
S3	-0.012	0.740	0.000	100.000	132.955	1.550	
S4	-0.011	0.724	0.000	100.000	136.073	1.465	
S5	-0.010	0.711	0.000	100.000	138.589	1.426	
S6	-0.010	0.724	0.000	100.000	136.313	1.320	
S7	-0.012	0.738	0.000	100.000	133.203	1.646	
S8	-0.013	0.754	0.000	100.000	130.309	1.715	

Internal Reference Calibration, performed Wed Nov 23 14:17:52 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.309	1.431	1.000	0.000

Air Zero Calibration, performed Mon Jun 20 09:27:14 2022:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-Titan Standard 1 7/16" Cable Head	1.02	1.44	1.00
			Centralizers-5419-312-S600 Titan 3 1/8" Adjustable Centralizer	3.42	3.13	34.00
HeadVolt	20.39					
Temp	17.54					
WVFS8	15.31		RBT-Probe275T (2.75") Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
WVFS7	15.31					
WVFS6	15.31					
WVFS5	15.31					

WVFS4	15.31					
WVFS3	15.31					
WVFS2	15.31					
WVFS1	15.31					
WVF3FT	15.31					
WVF5FT	14.31					
WVFCAL	11.06					
HEADVOLT	11.06					
			Centralizers-5419-312-S600 Titan 3 1/8" Adjustable Centralizer	3.42	3.13	34.00
CCL	6.73					
GR	5.40		GR-Probe (FW1211-86) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
			CENT-Titn275Adj Titan 2 3/4" Adjustable Centralizer	2.86	2.75	35.00

Dataset: june 20 2022 antero resources wabble 1h.db: field/well/run1/merge2
 Total length: 24.89 ft
 Total weight: 251.00 lb
 O.D.: 3.13 in

	Company	Antero Reesources
	Well	Wabble 1H
	Field	
	County	Tyler
	State	WV