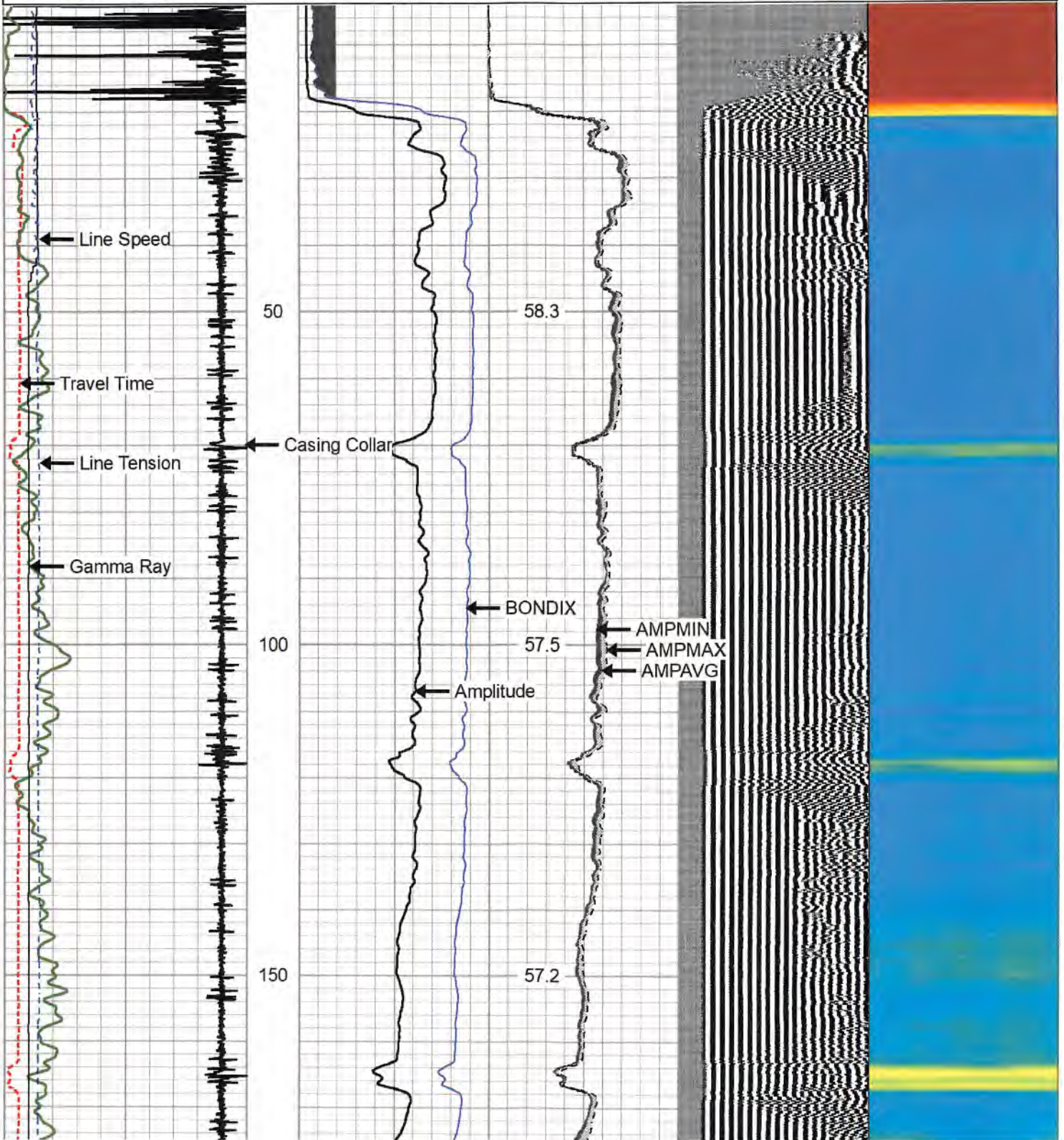
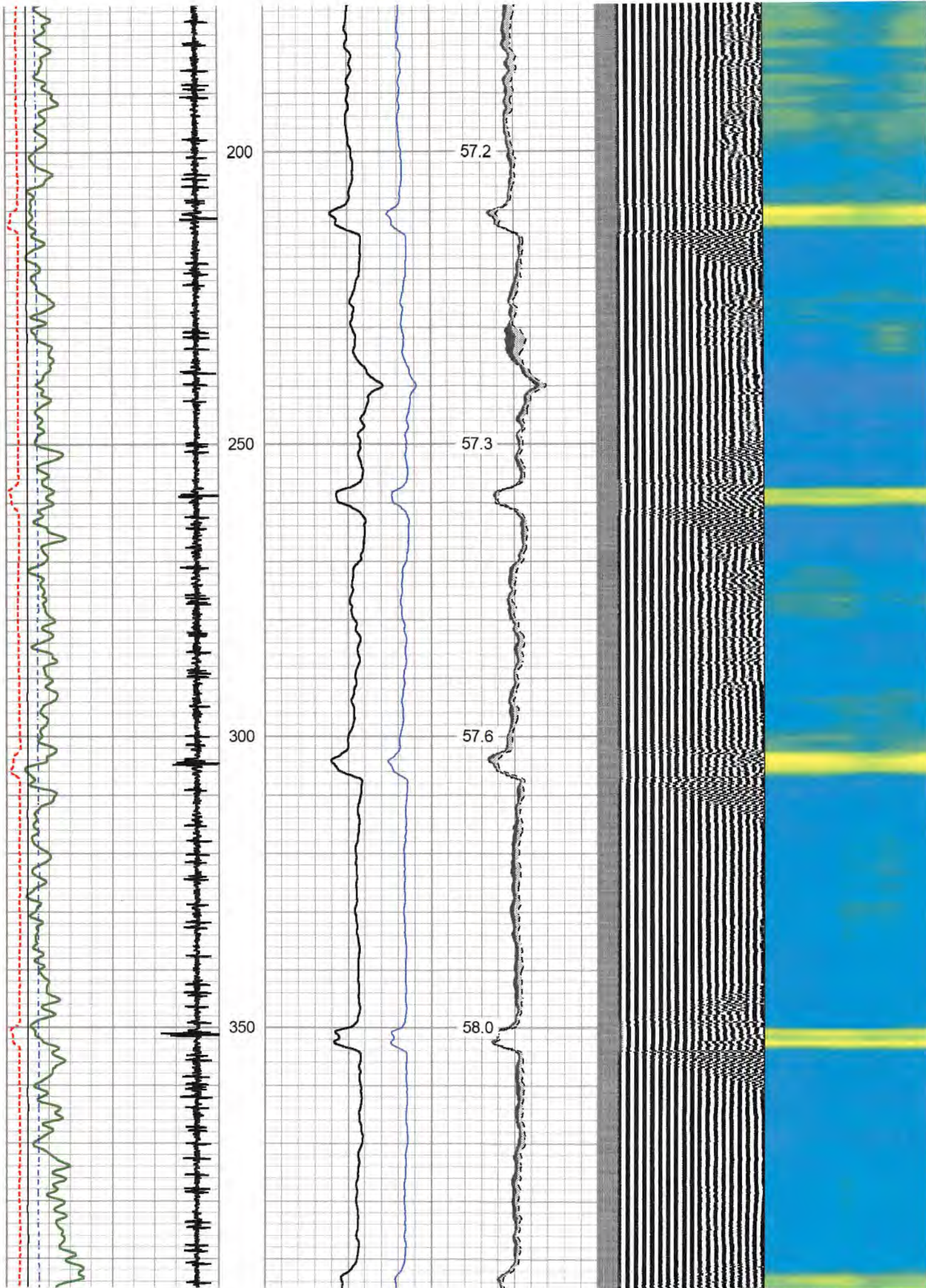


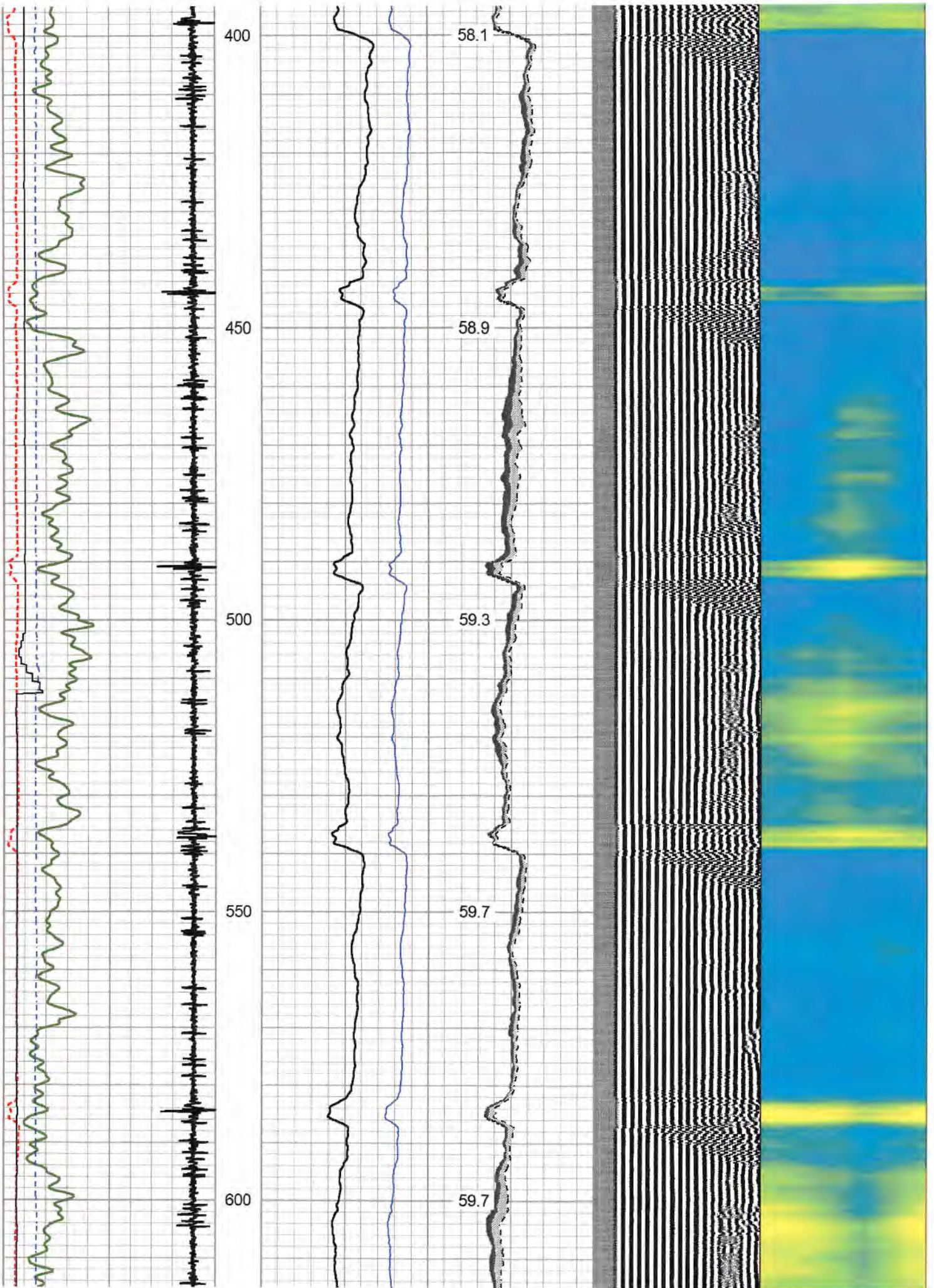


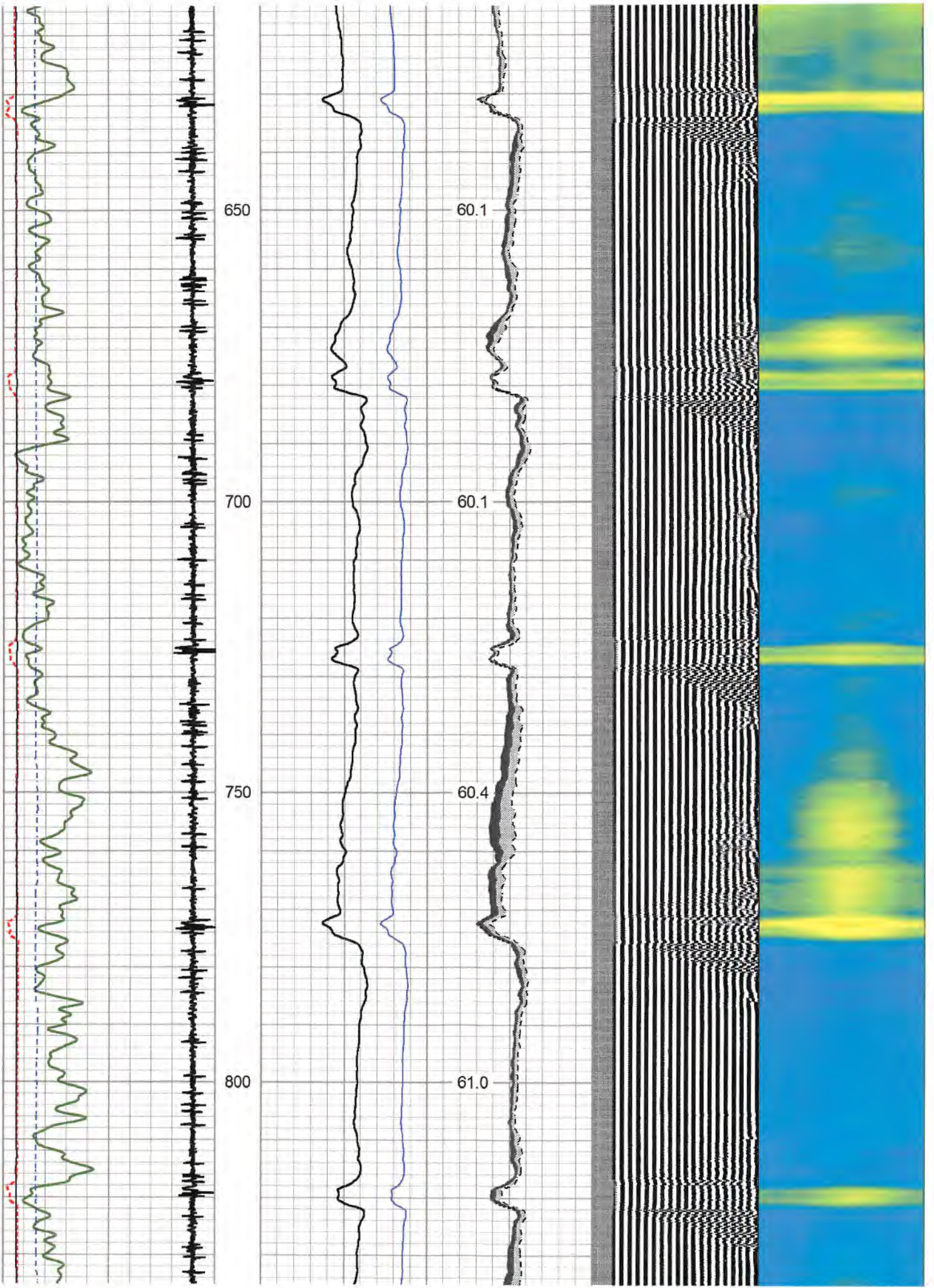
Database File antero\_friend\_1h\_nov\_7\_2020\_cbl.db  
 Dataset Pathname Rabbit\_Ears/friend\_1h/rcbl/pass7  
 Presentation Format rcbl-bond index for antero 1020  
 Dataset Creation Sun Nov 08 02:46:41 2020  
 Charted by Depth in Feet scaled 1:240

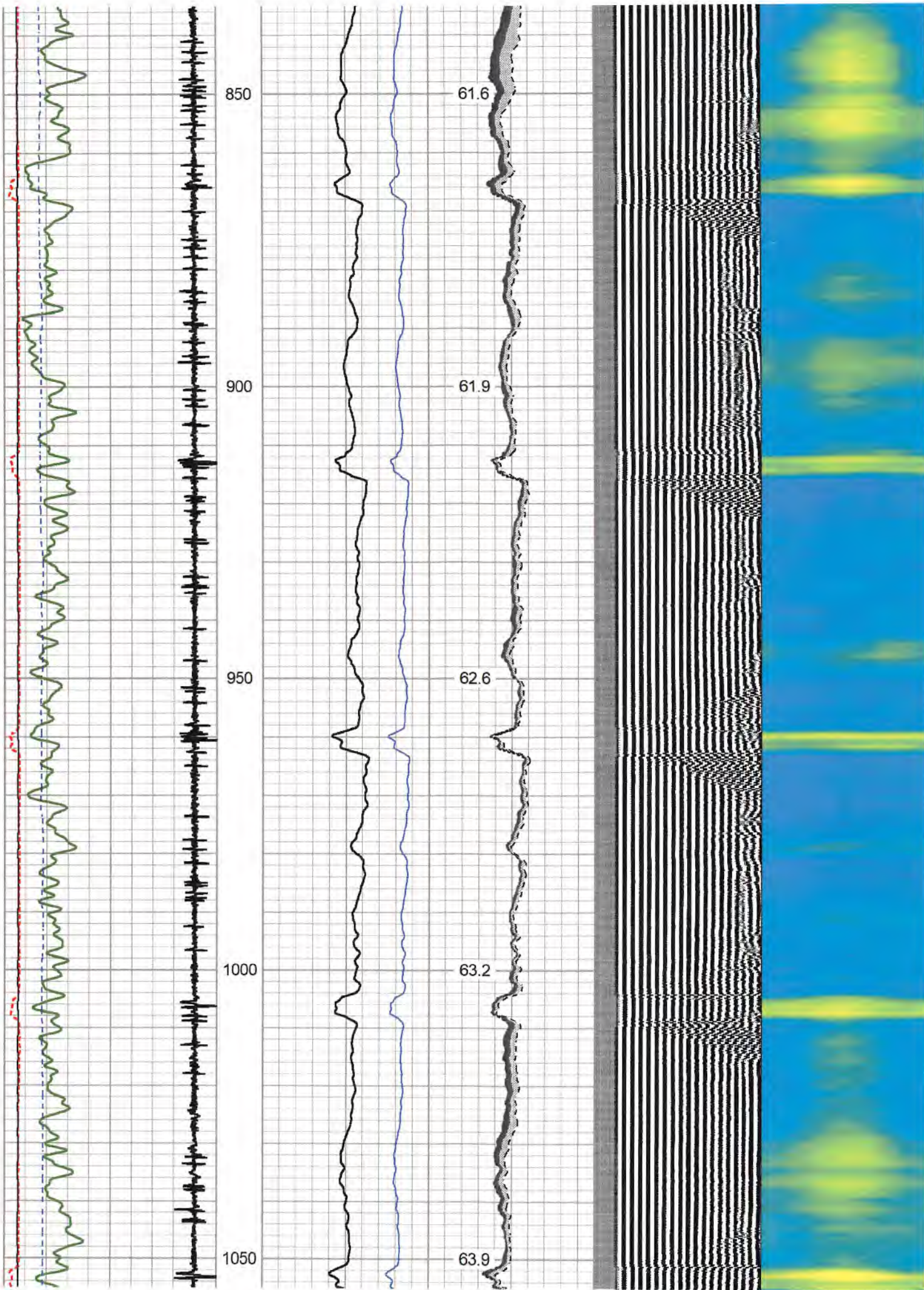
265	Travel Time (usec)	165	0	Amplitude (mV)	100	0	AMPMIN	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	1	BONDIX	0	0	AMPMAX	150	200	(usec)	1200	
0	Gamma Ray (GAPI)	150	0			0	AMPAVG	150				
	Line Speed						TEMP					
-100	(ft/min)	100					(degF)					
0	Line Tension (lb)	2000										

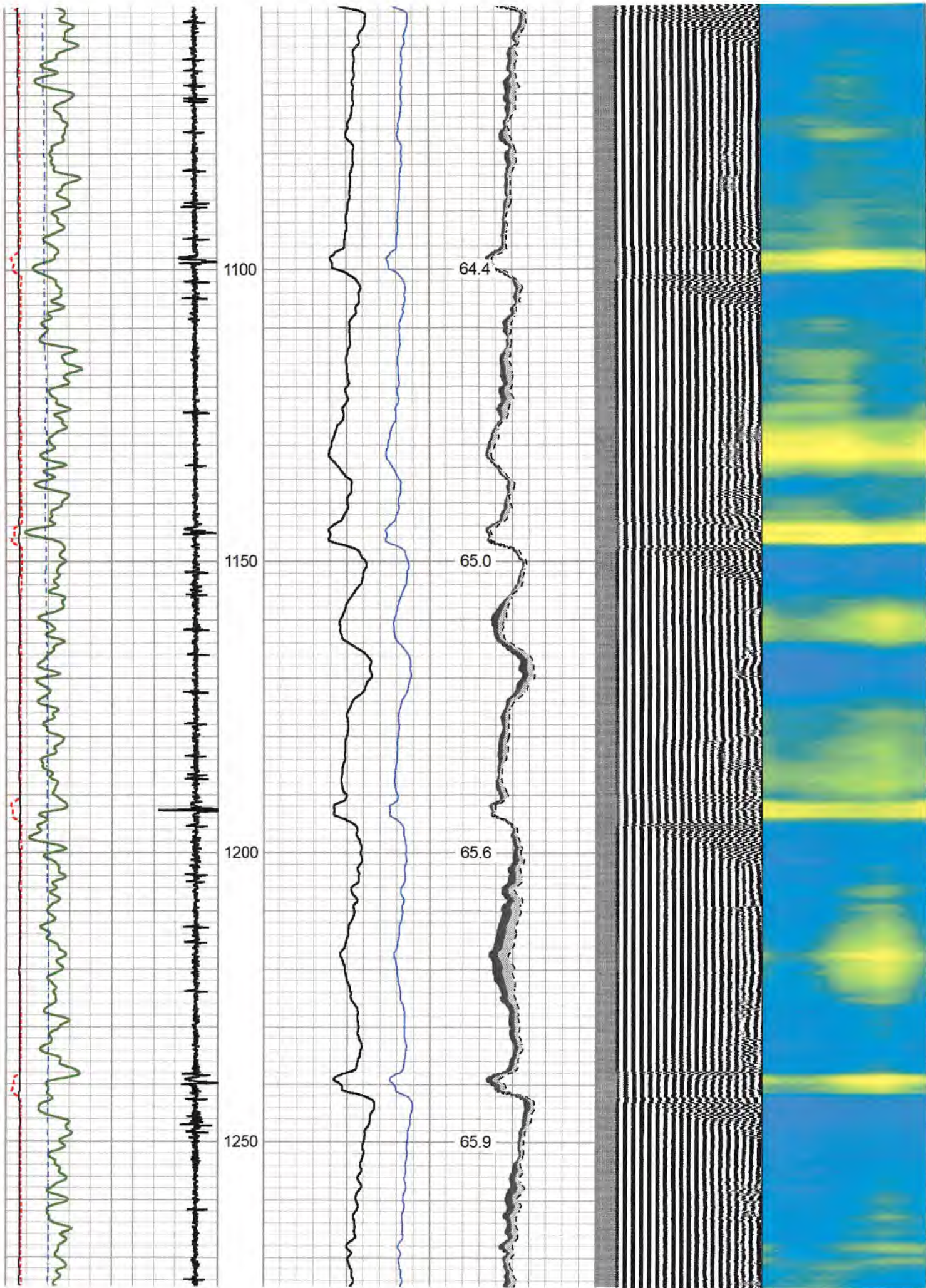


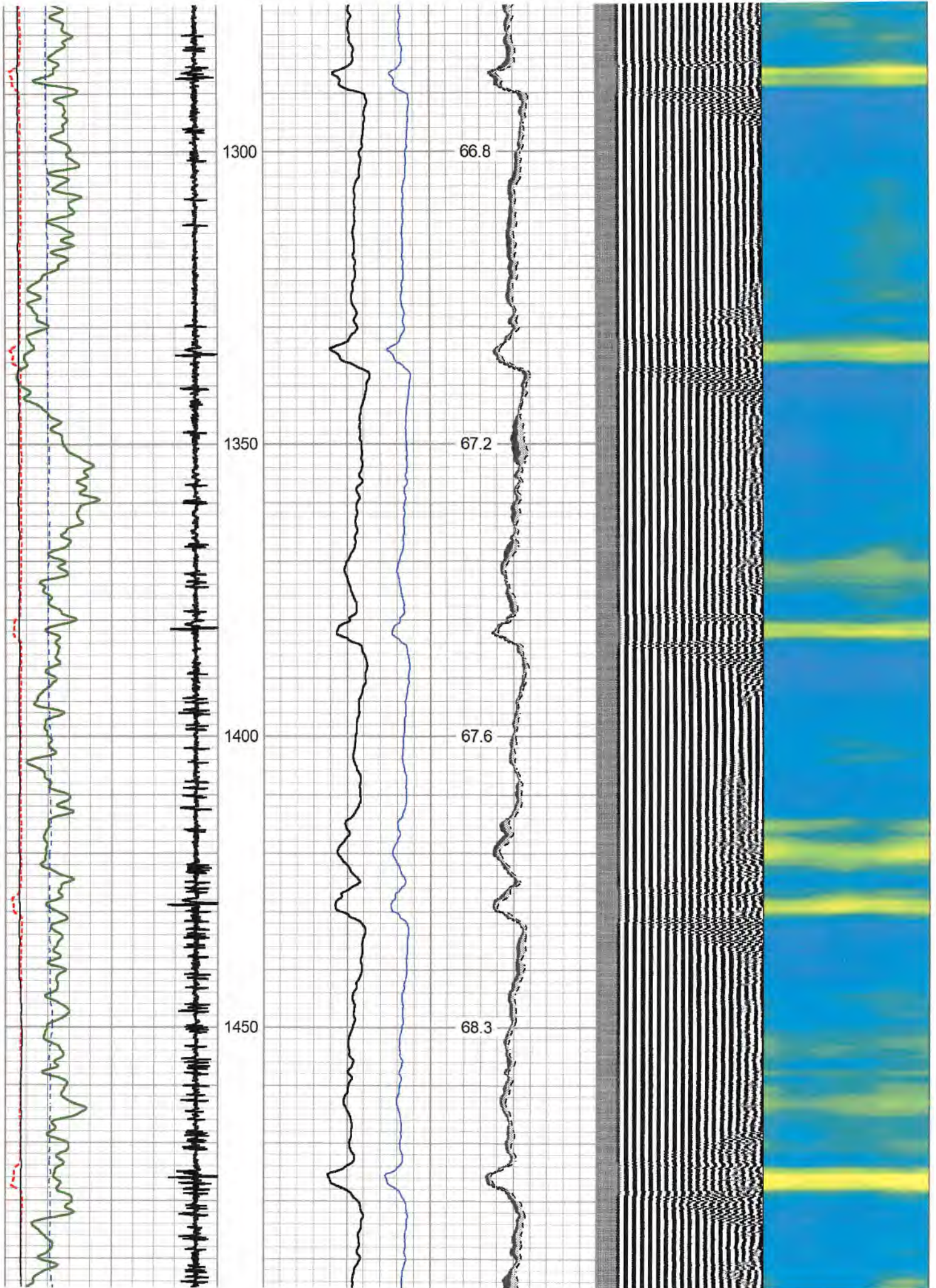




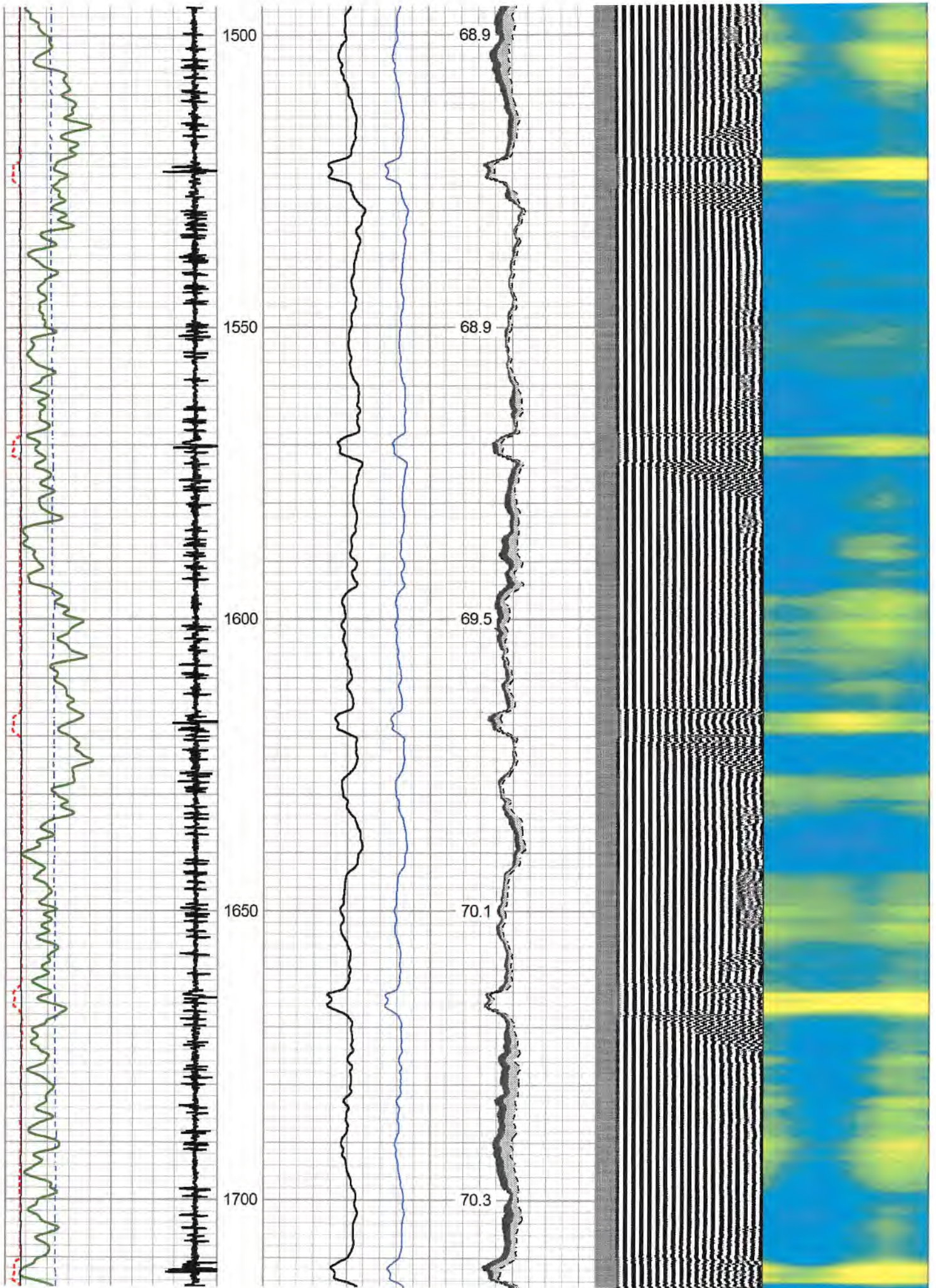


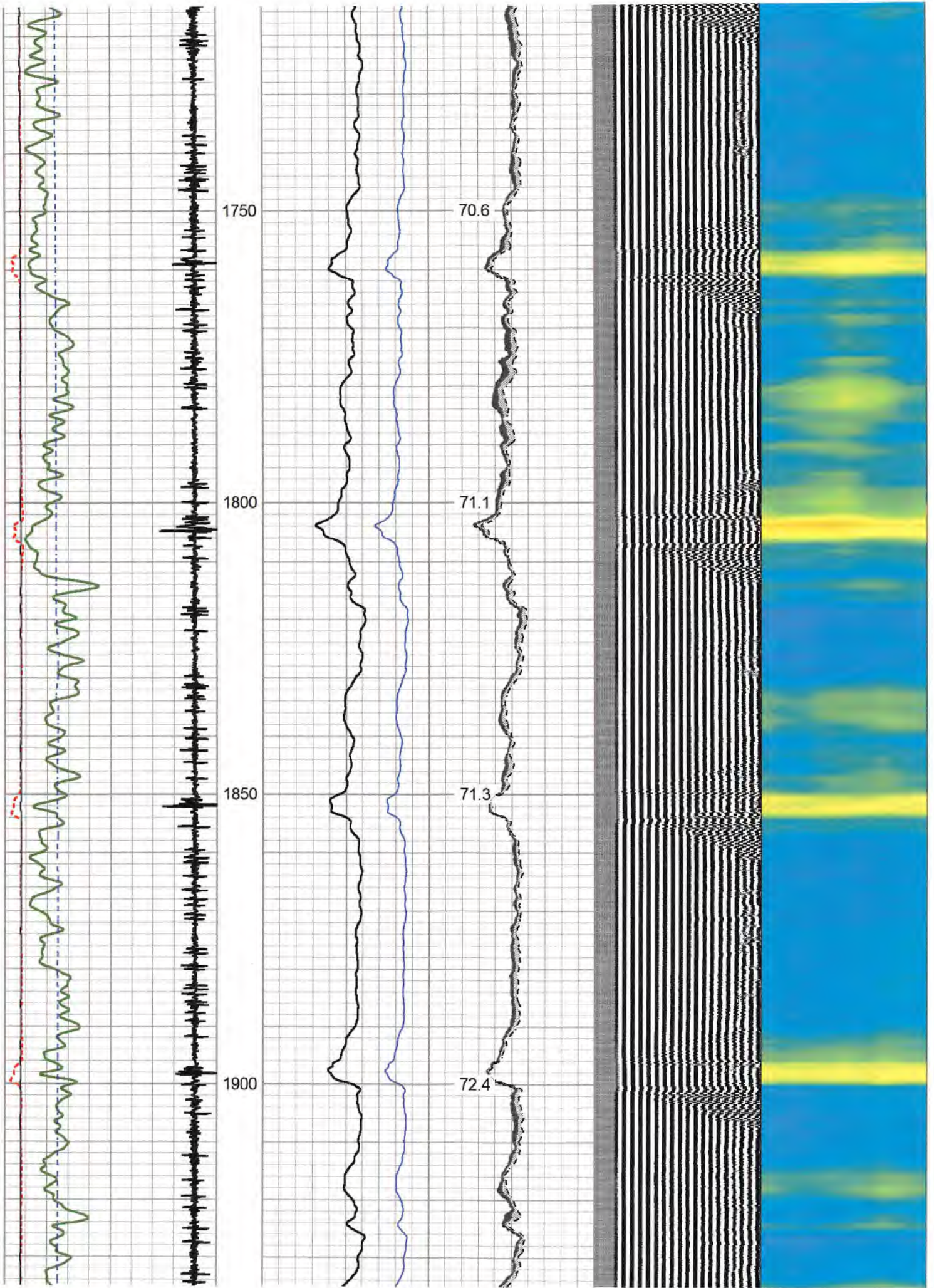


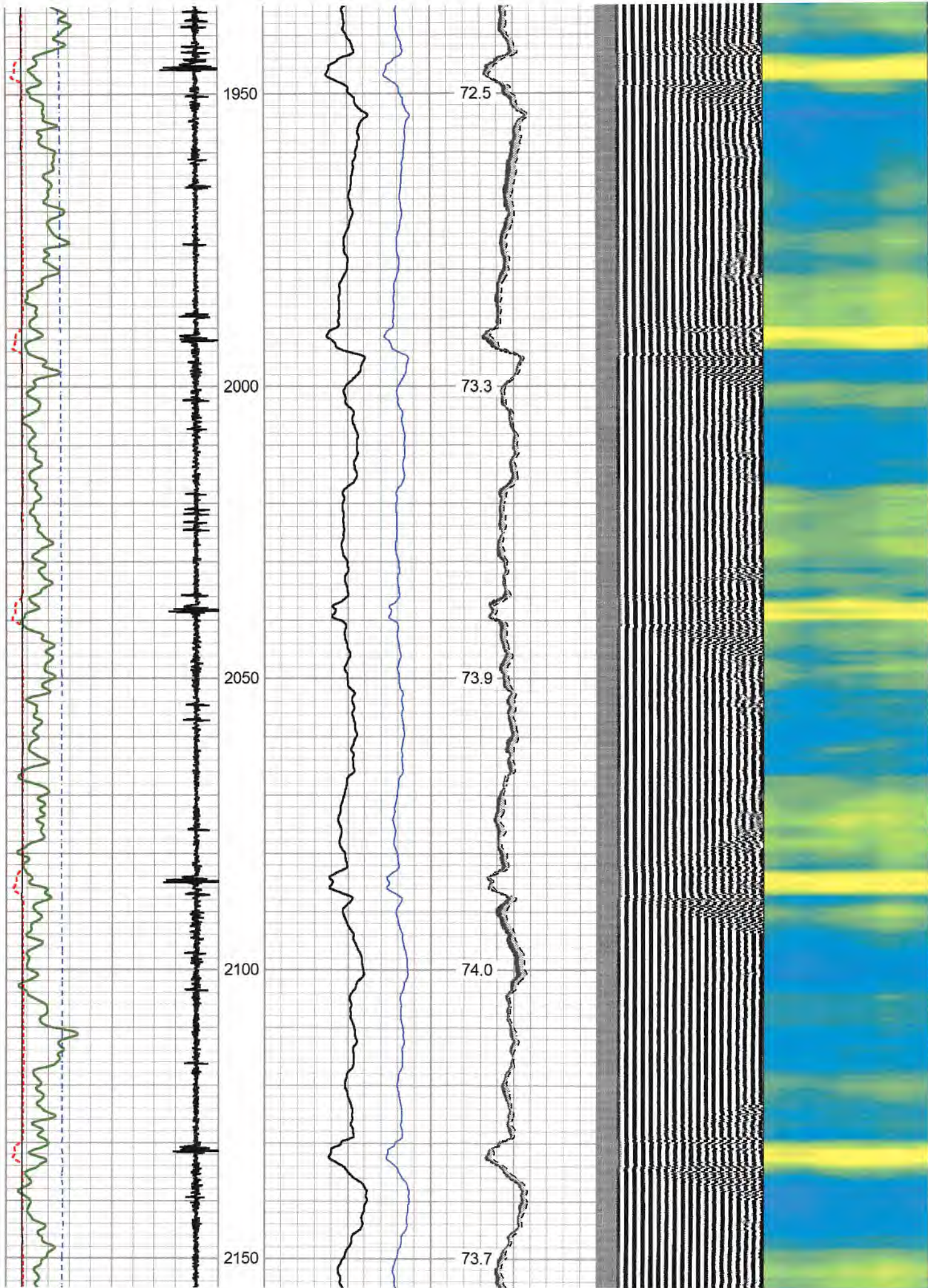


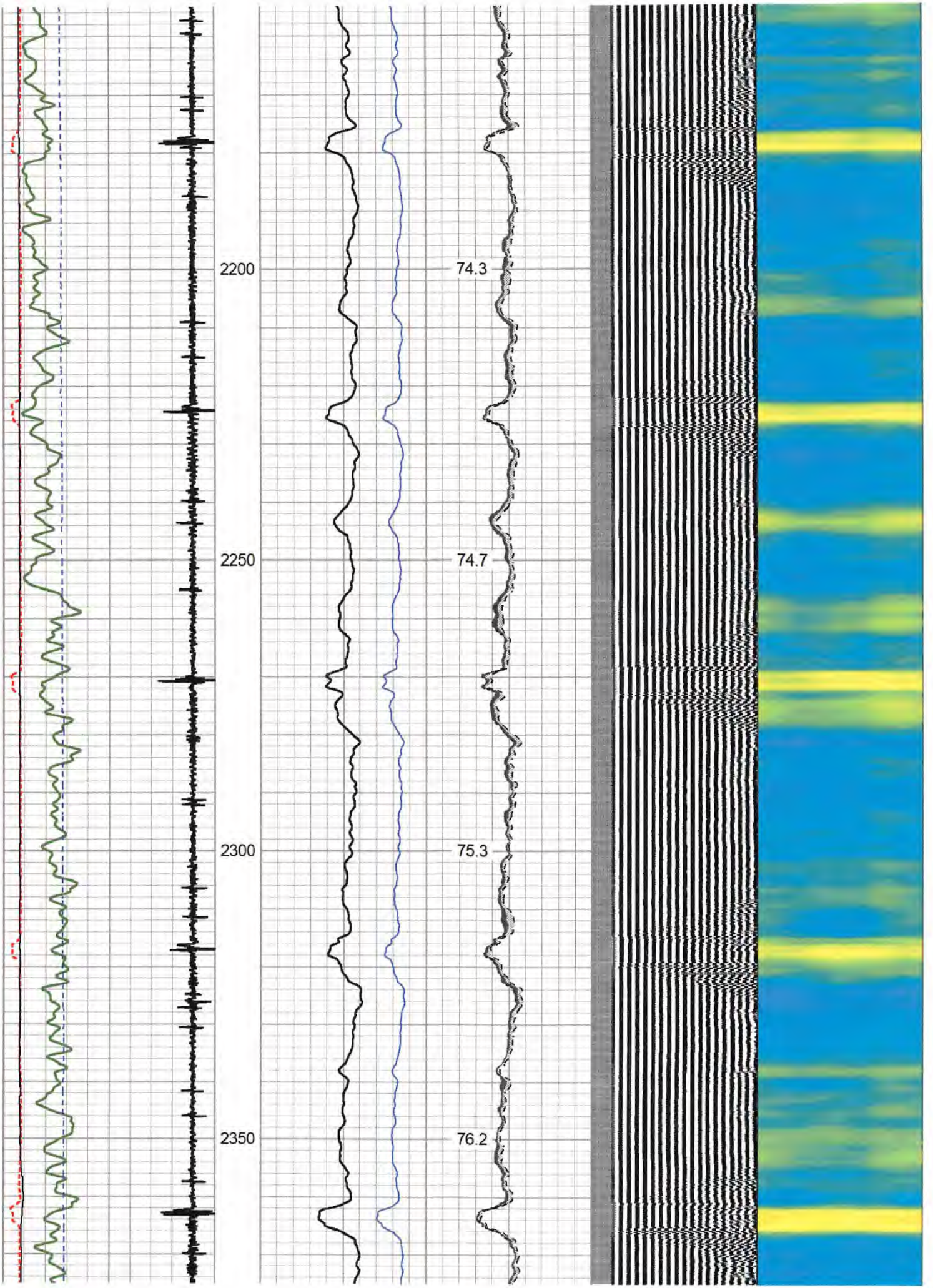


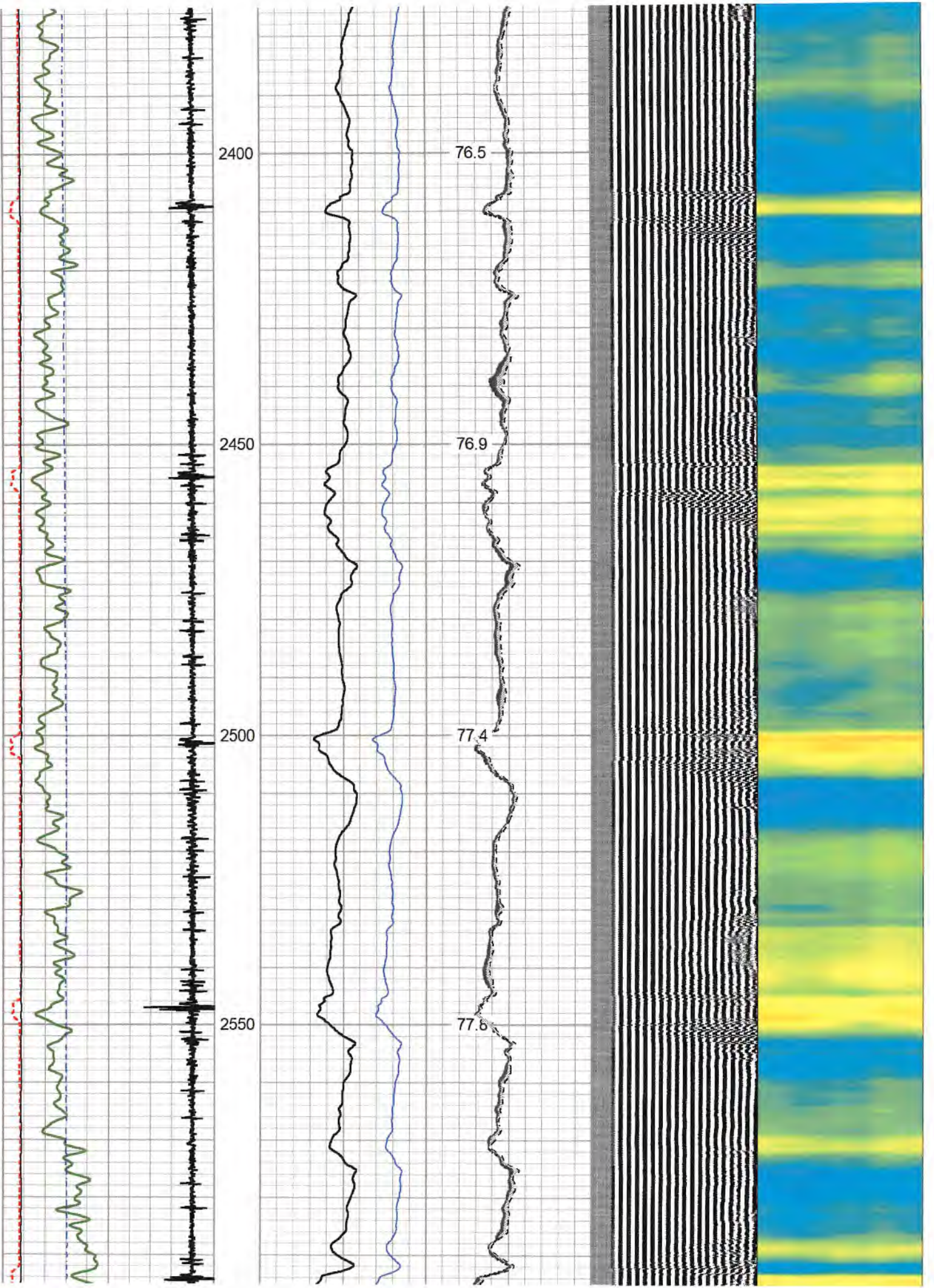


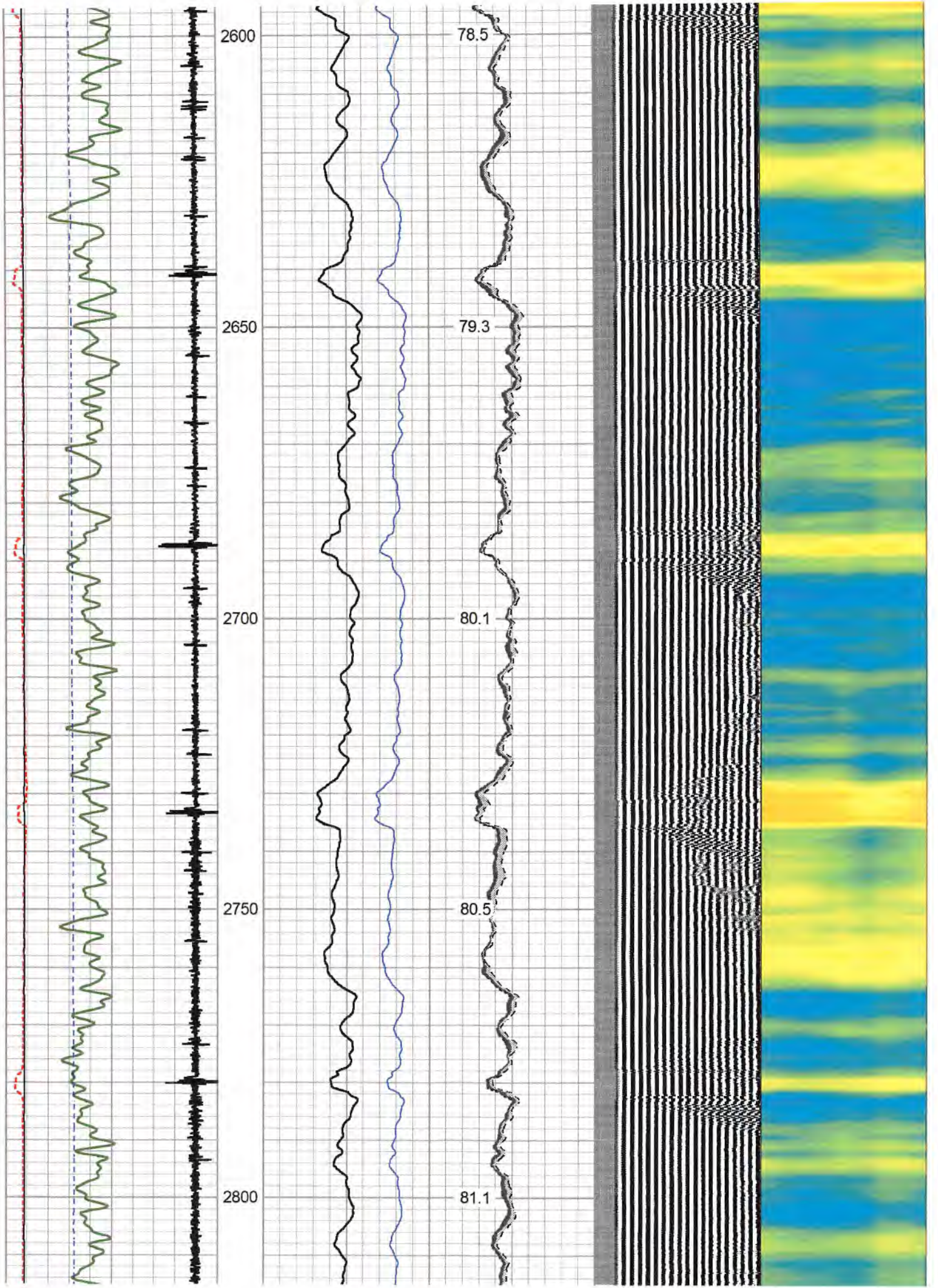


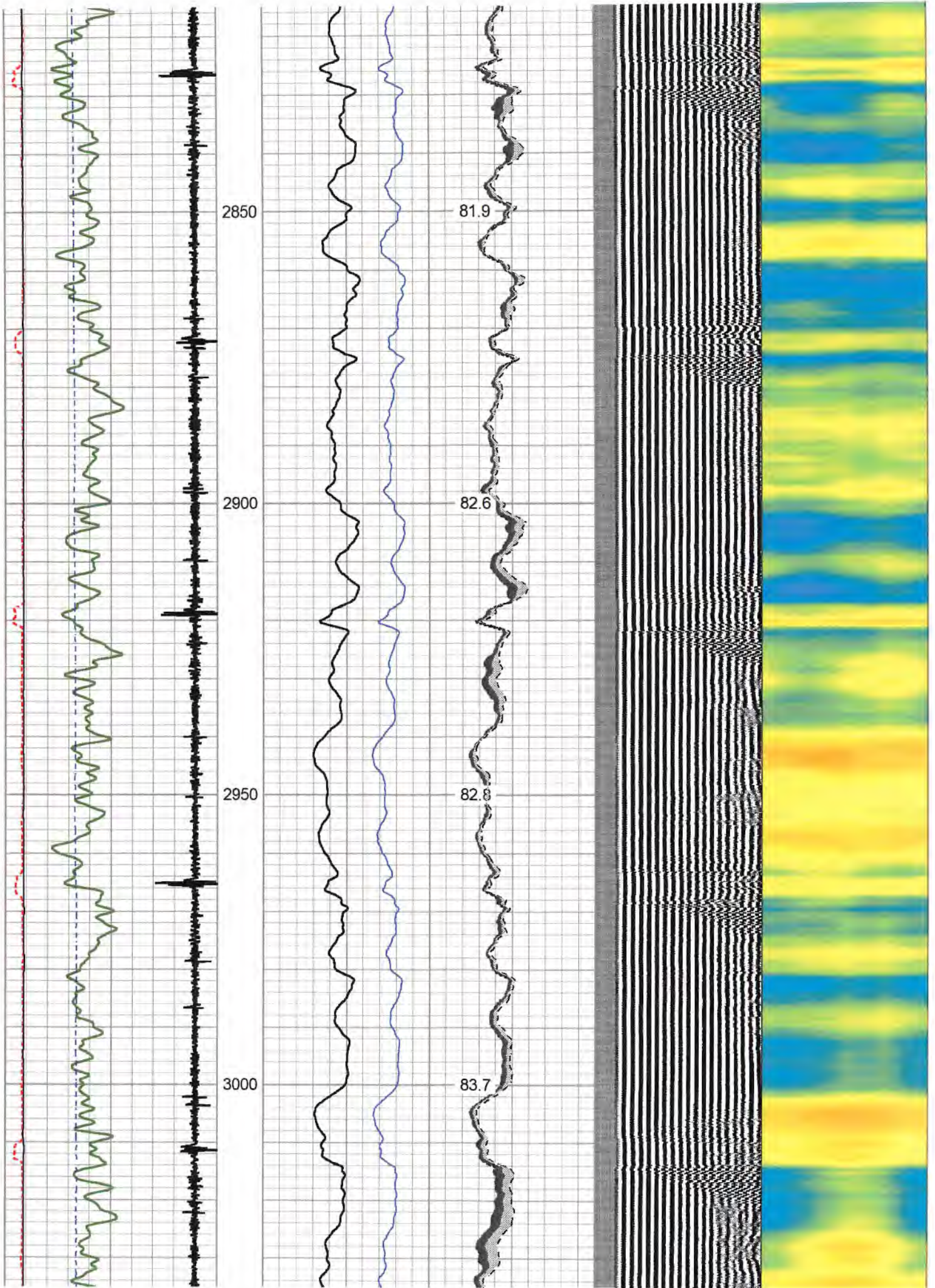


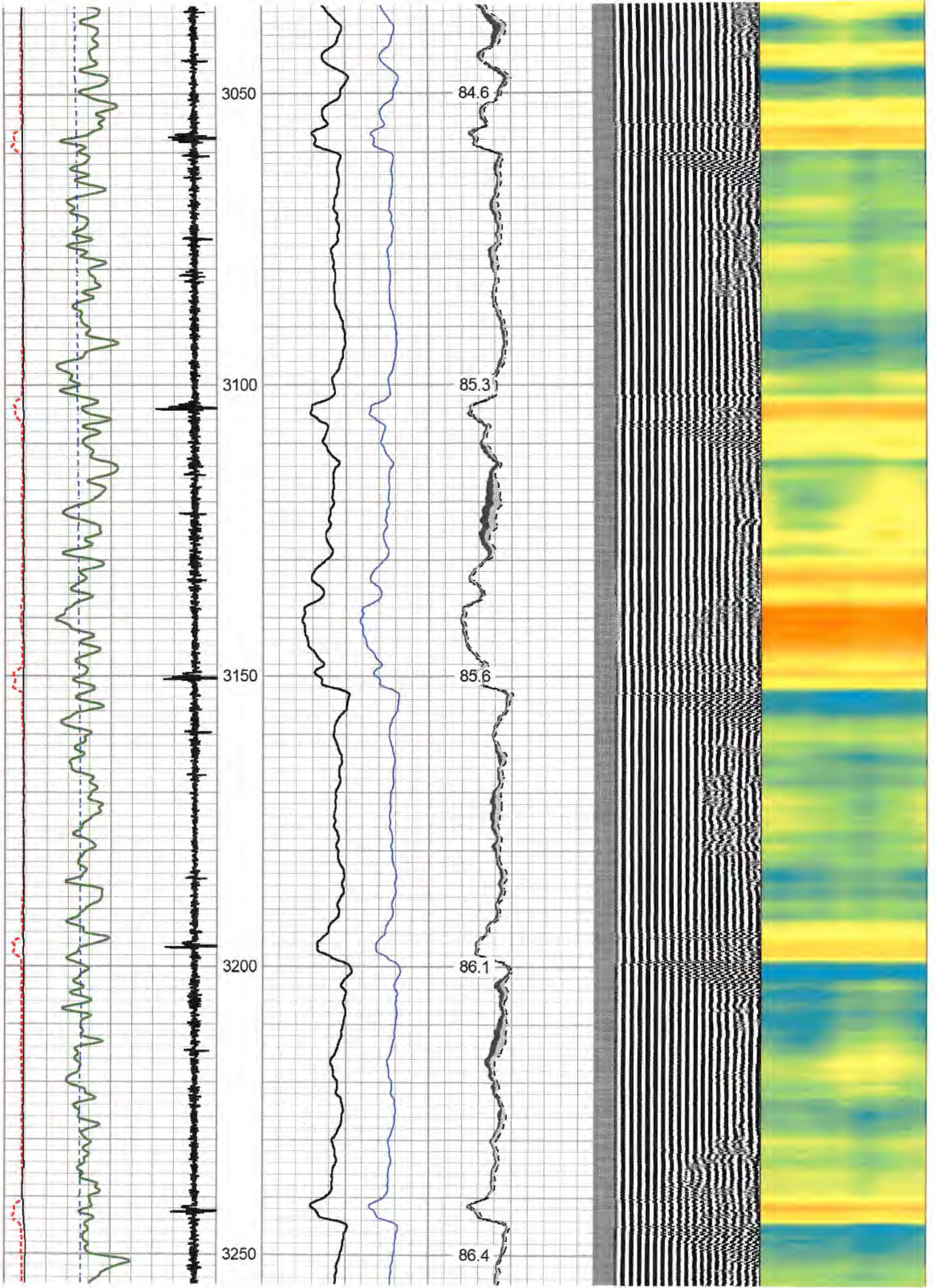




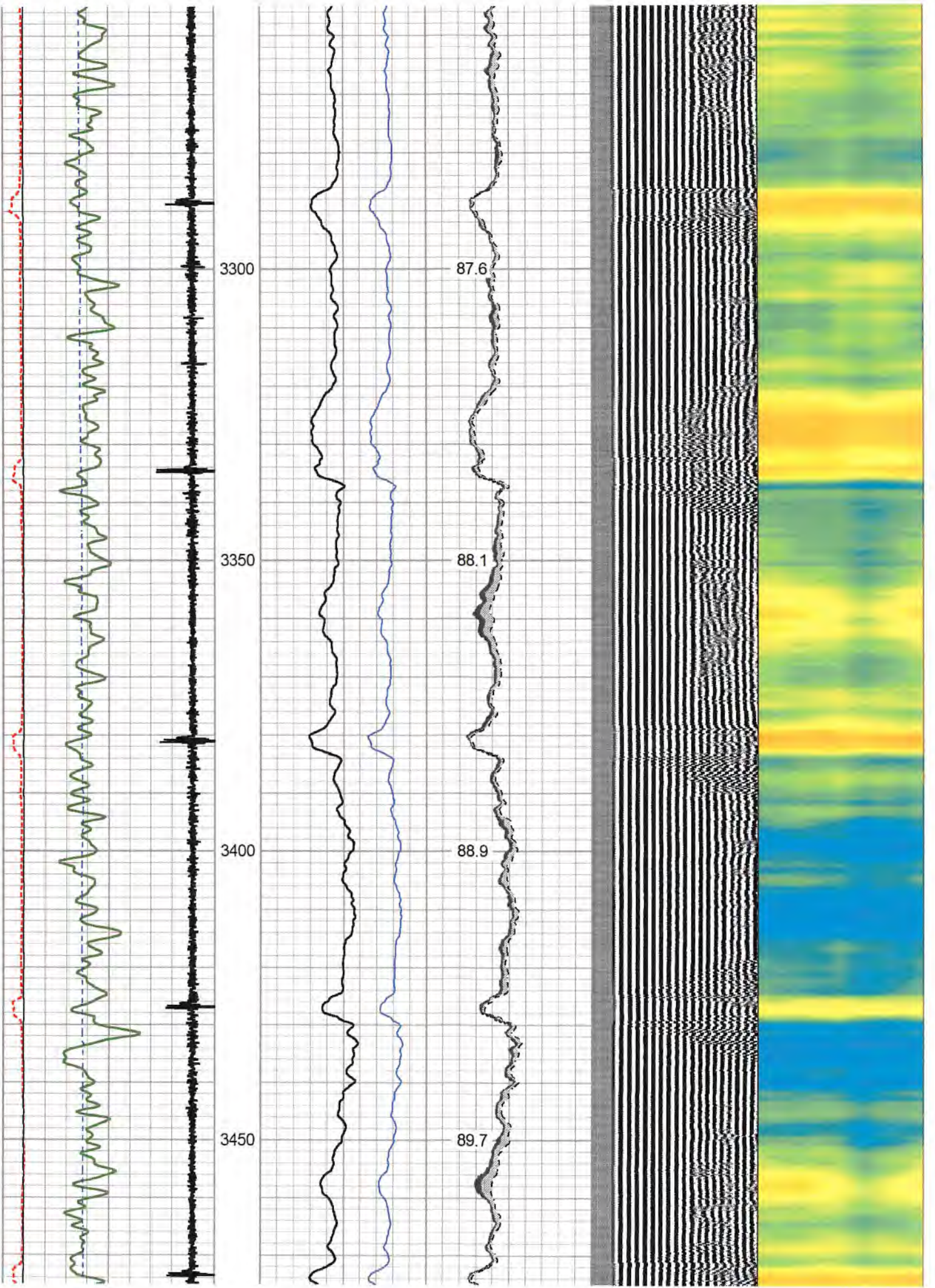


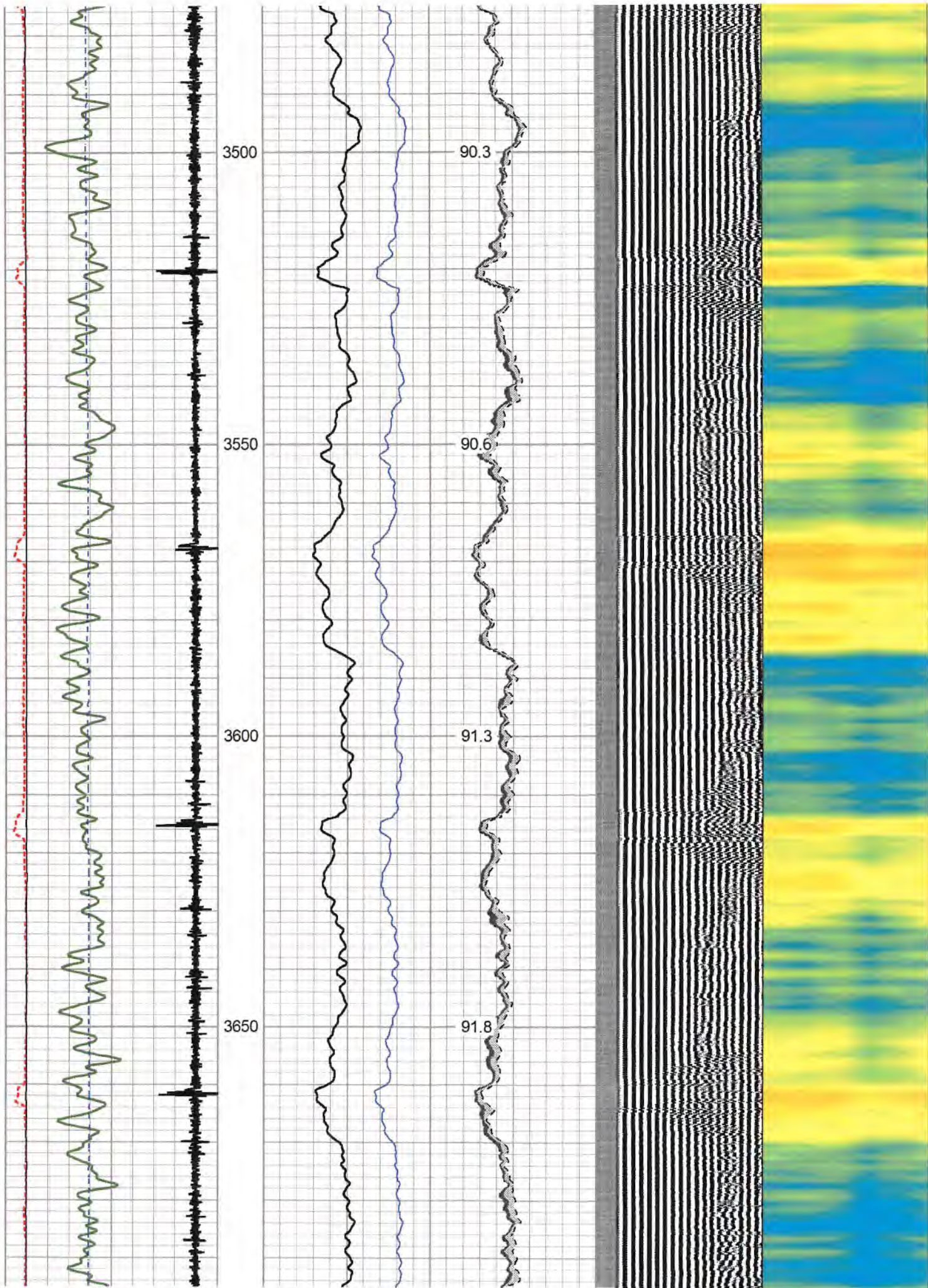


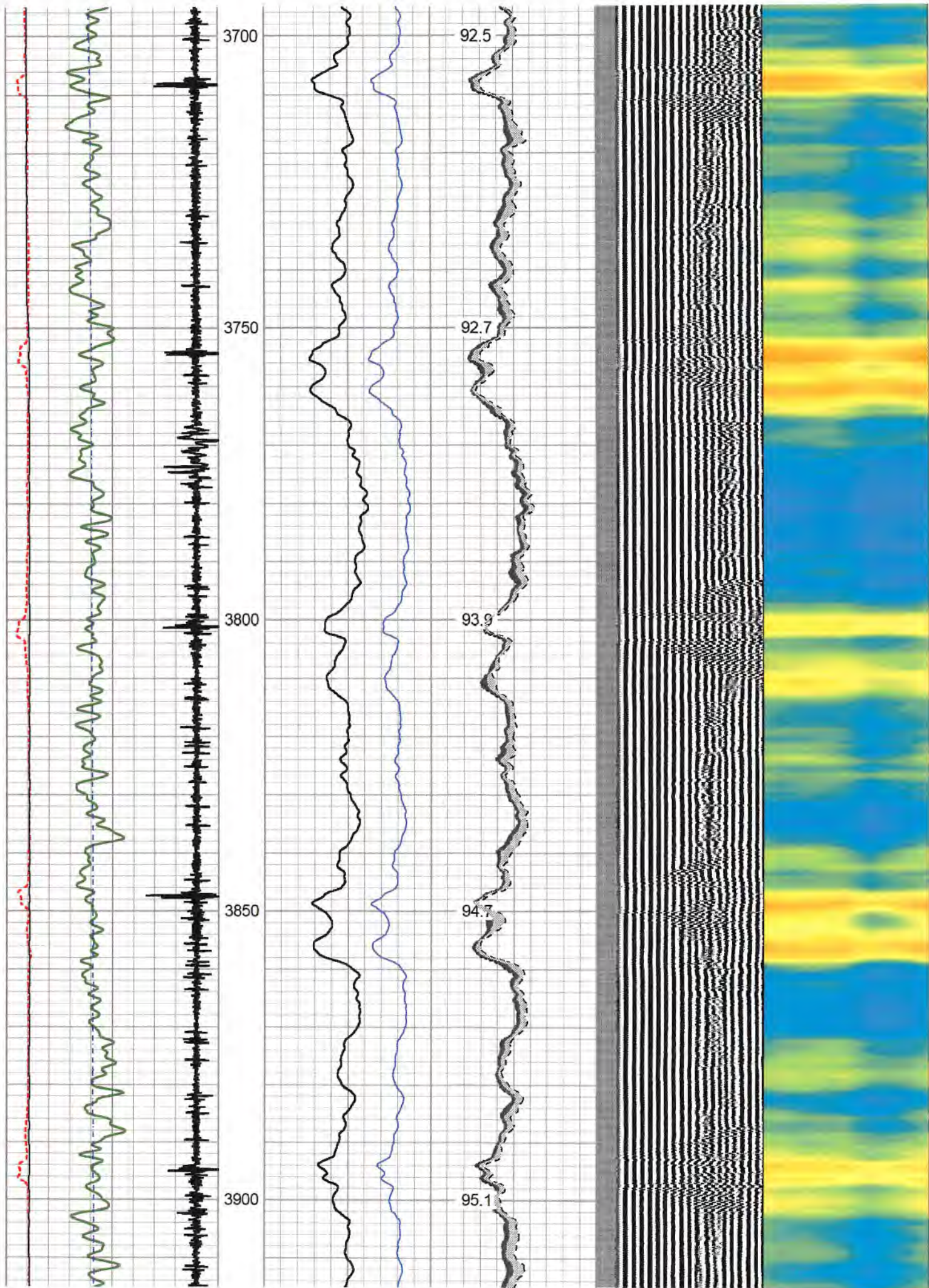


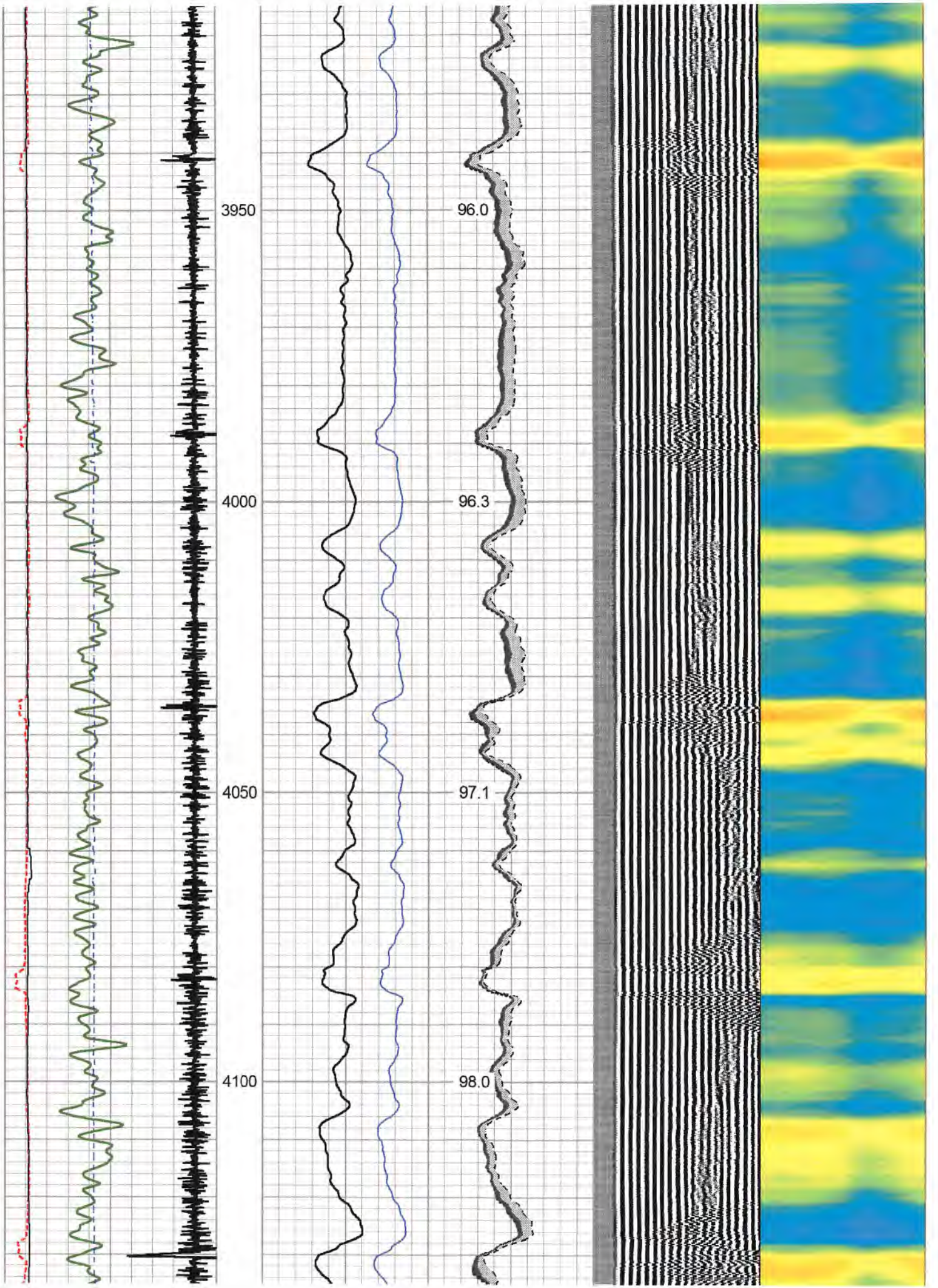


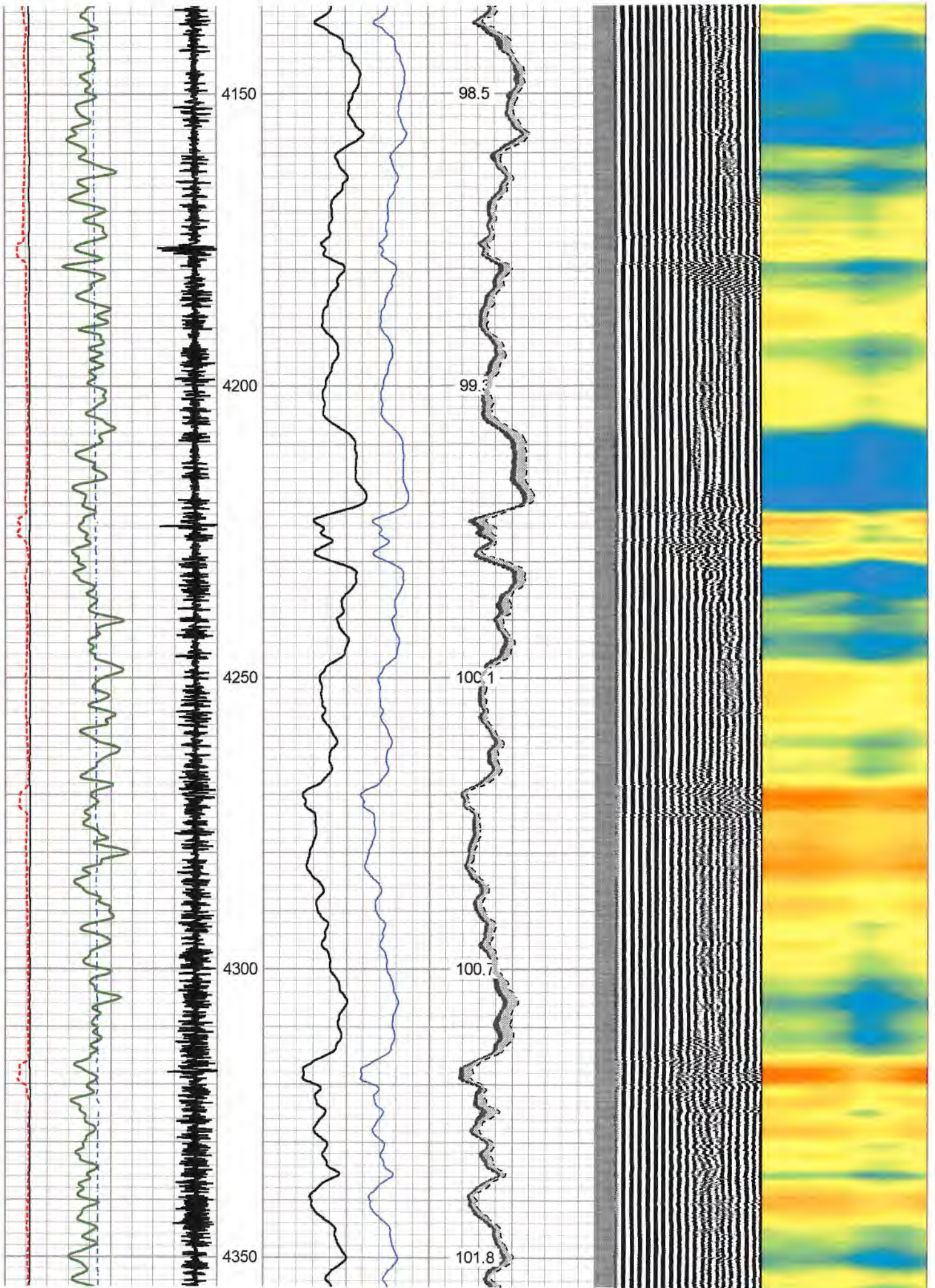


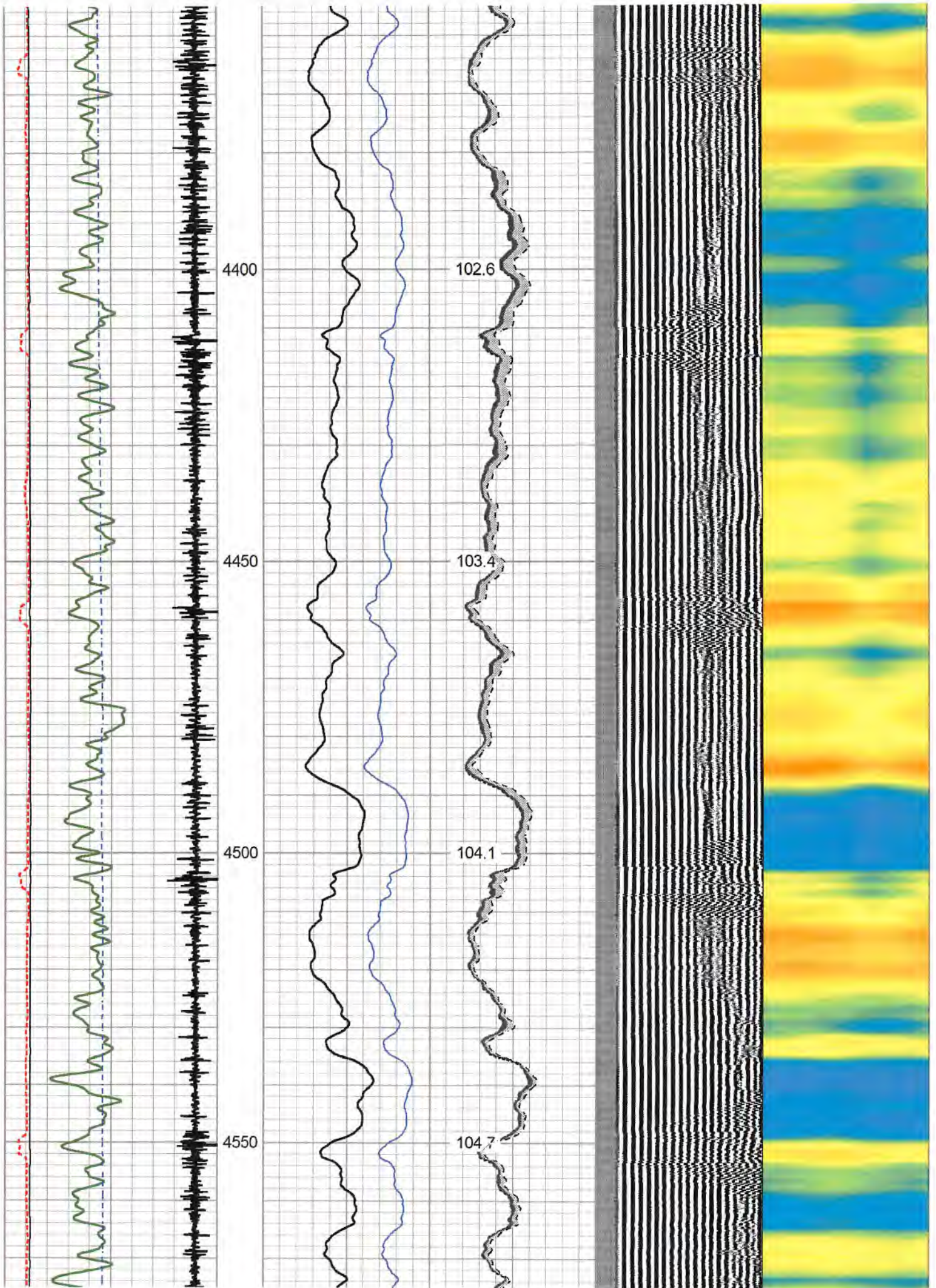


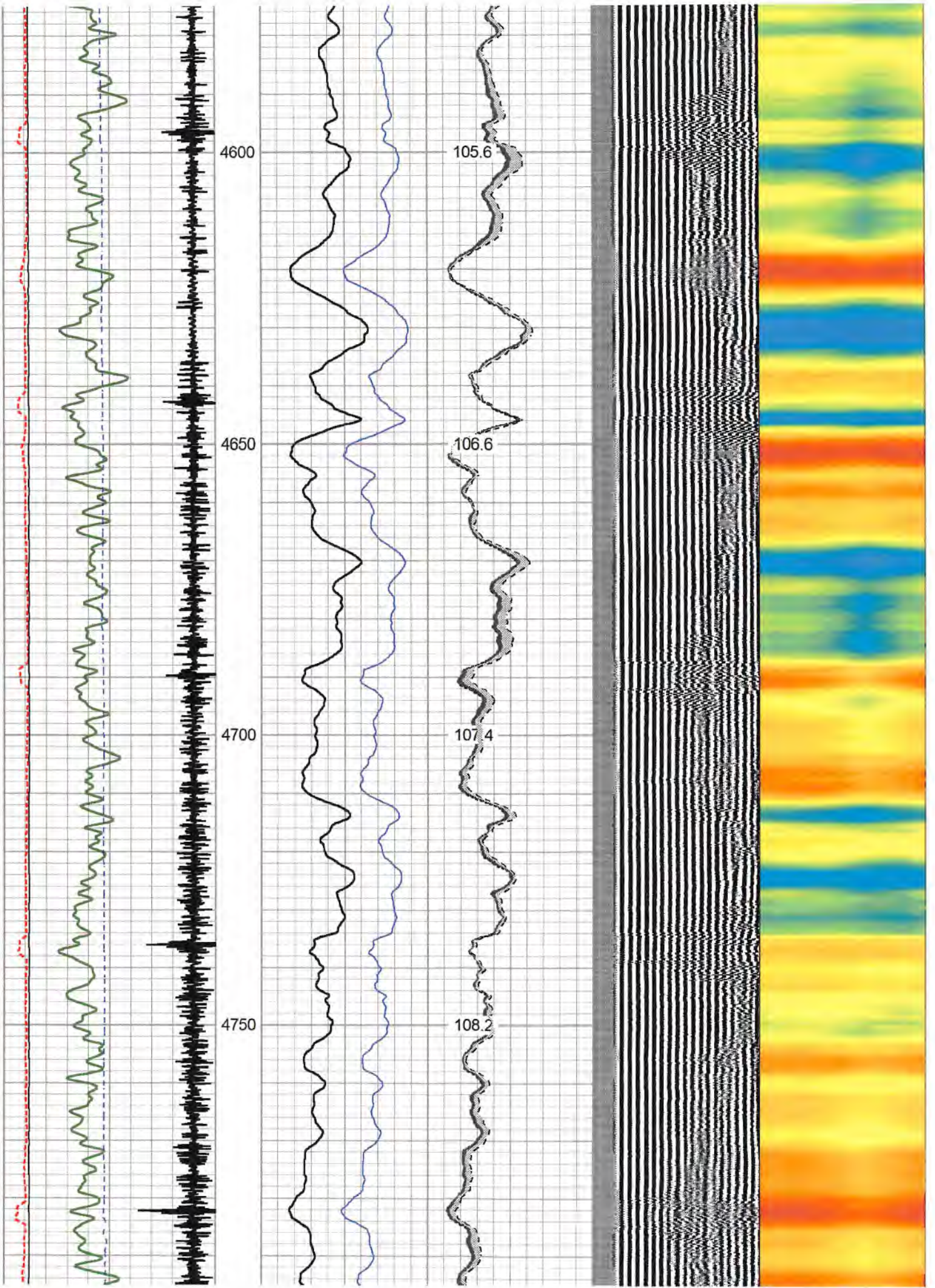


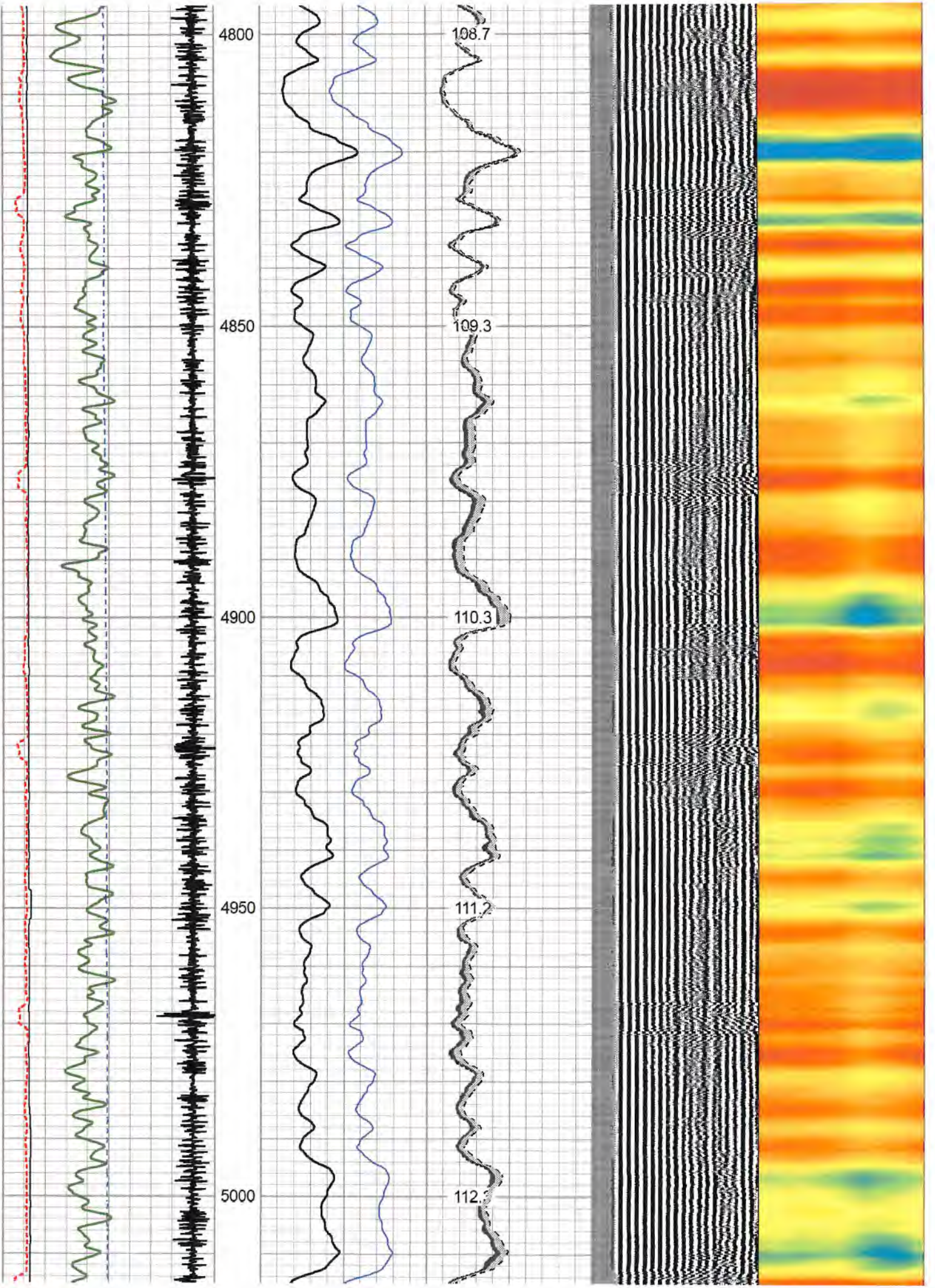




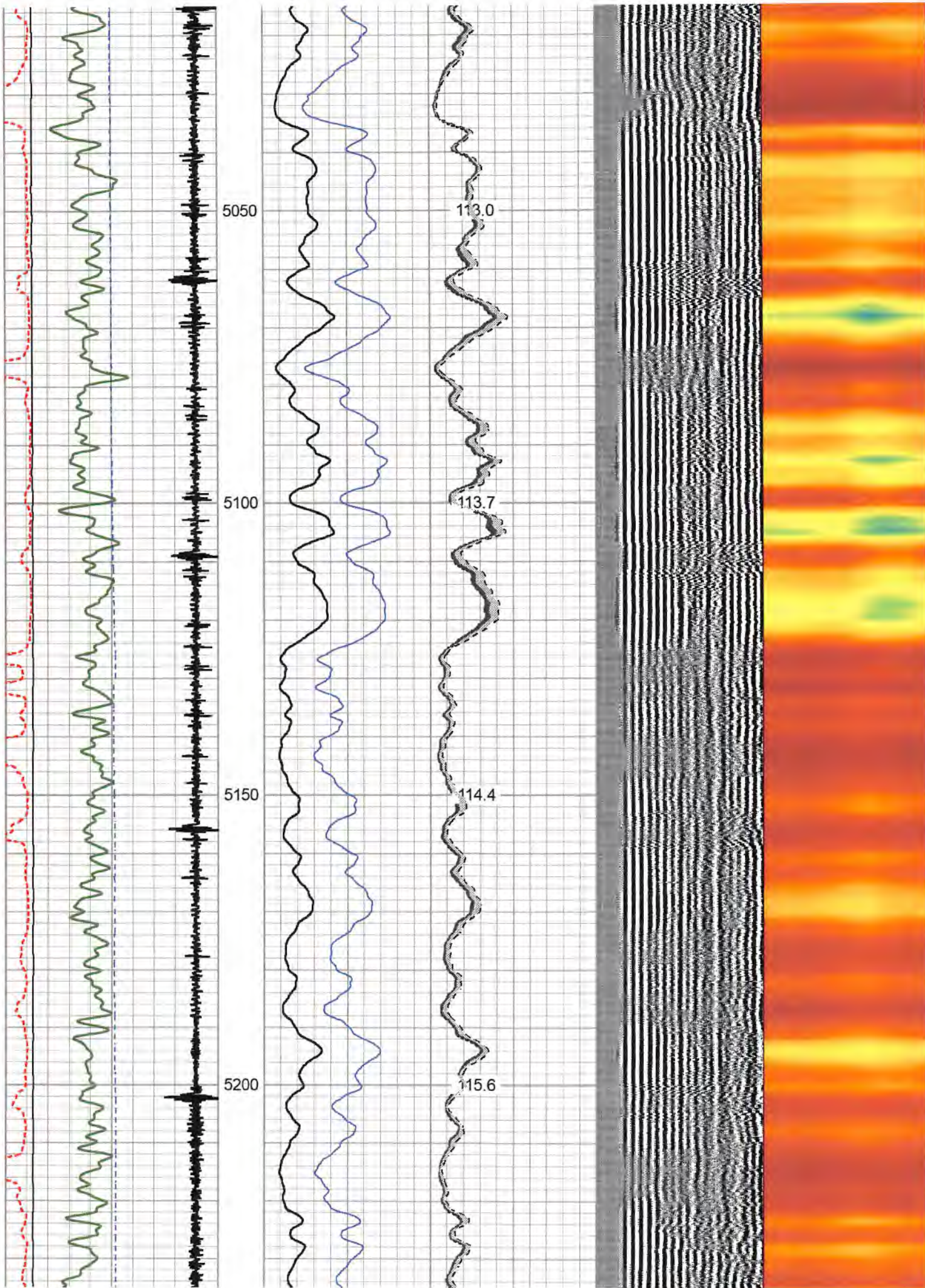


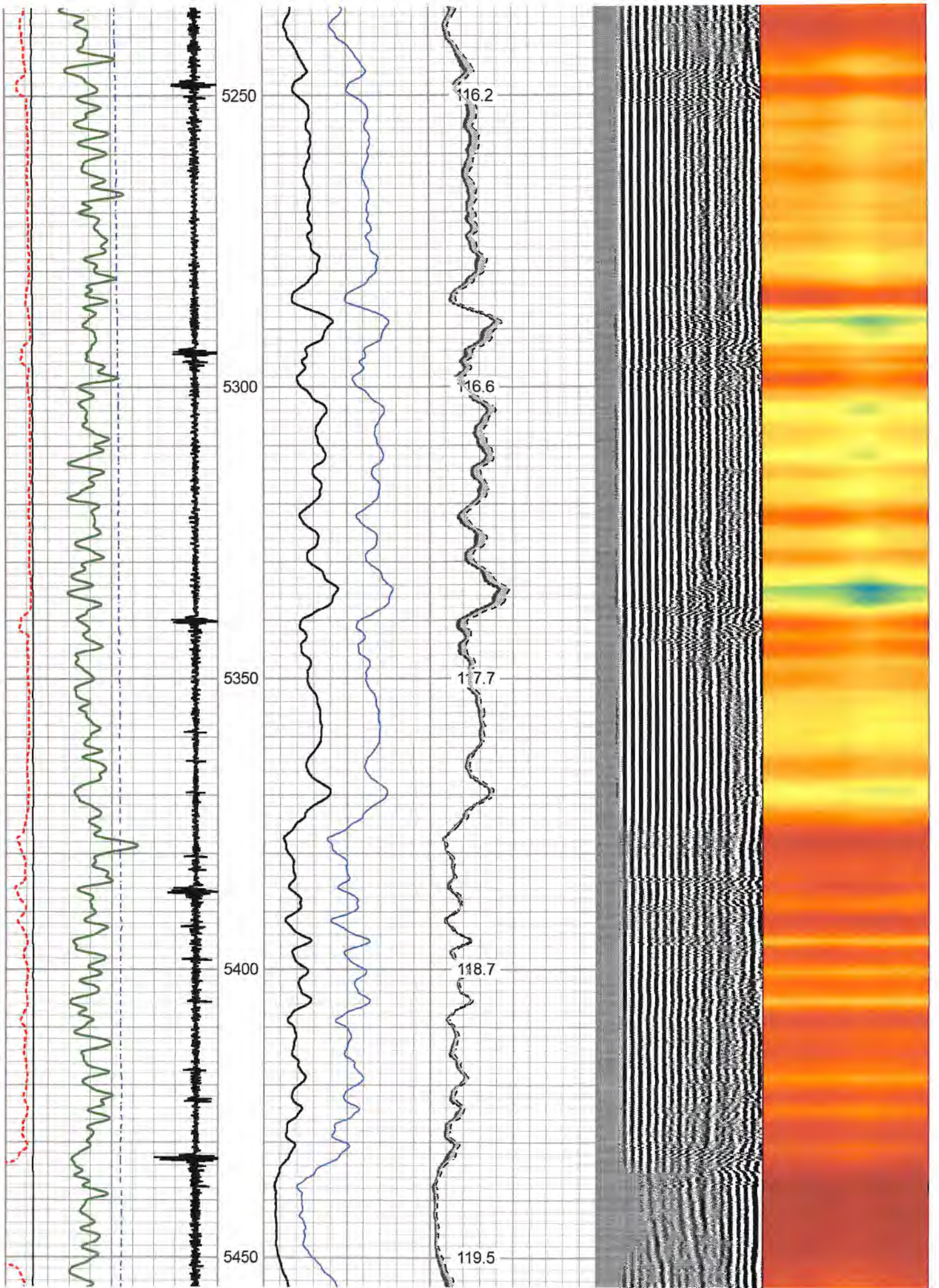


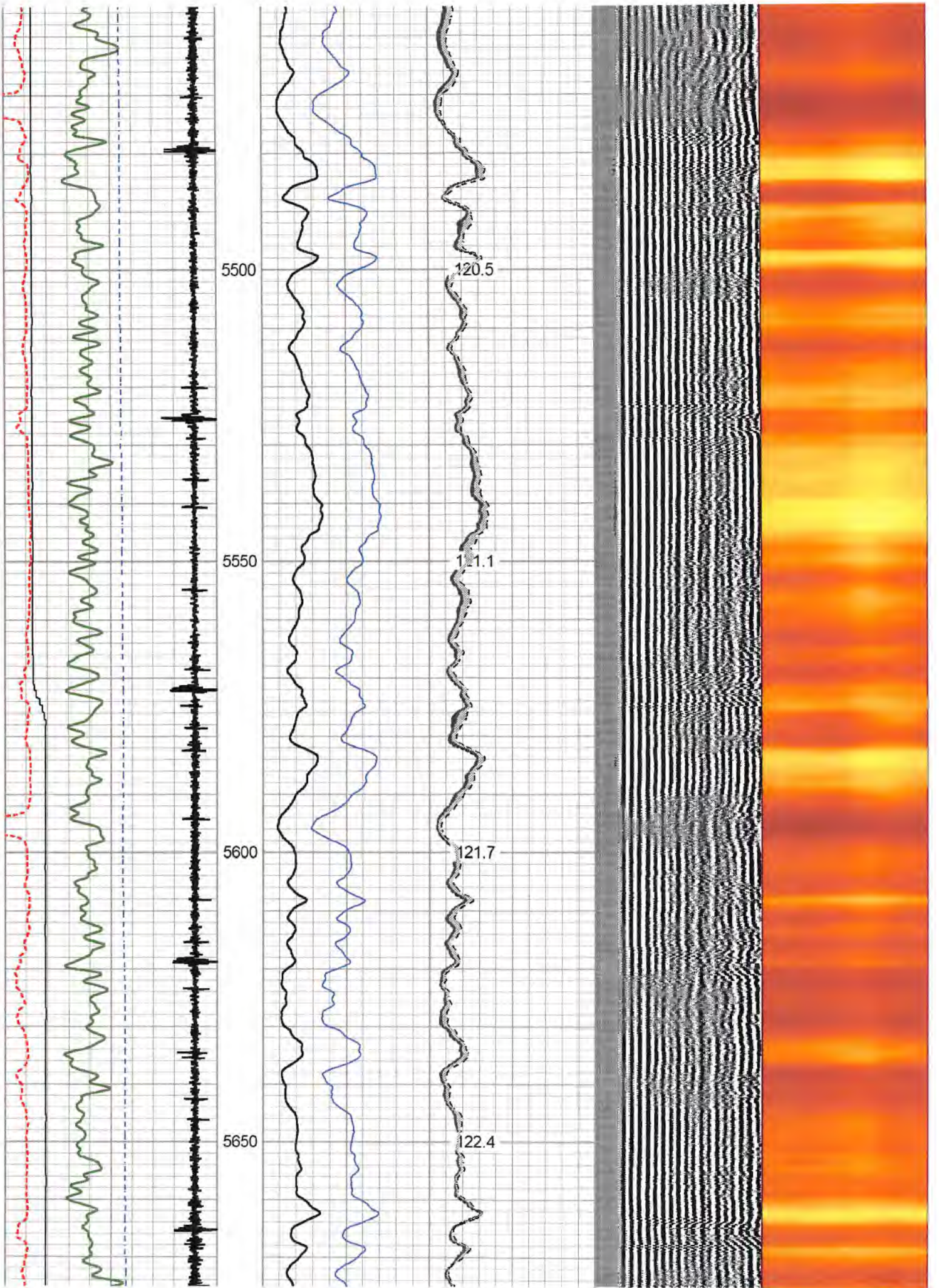




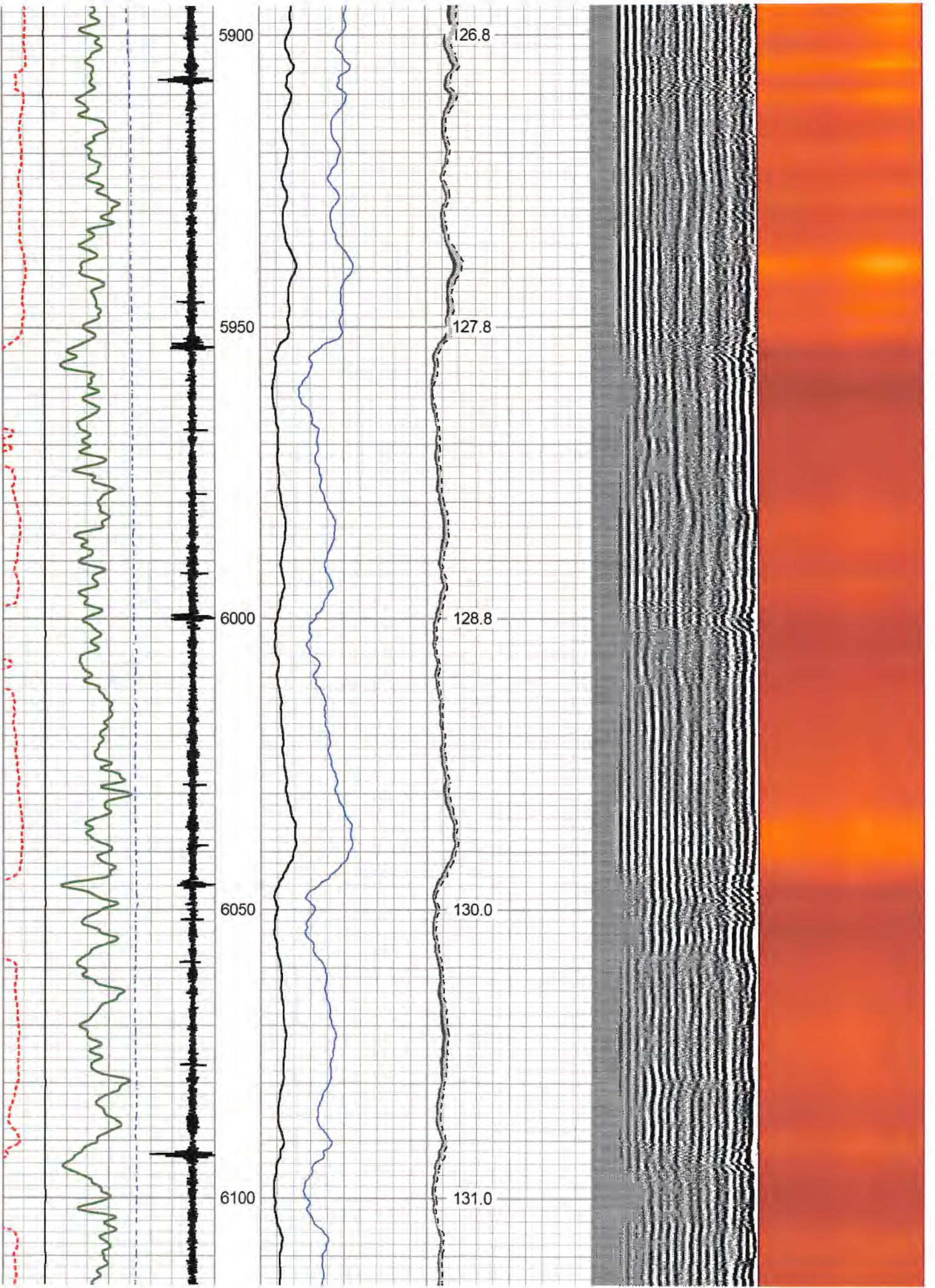


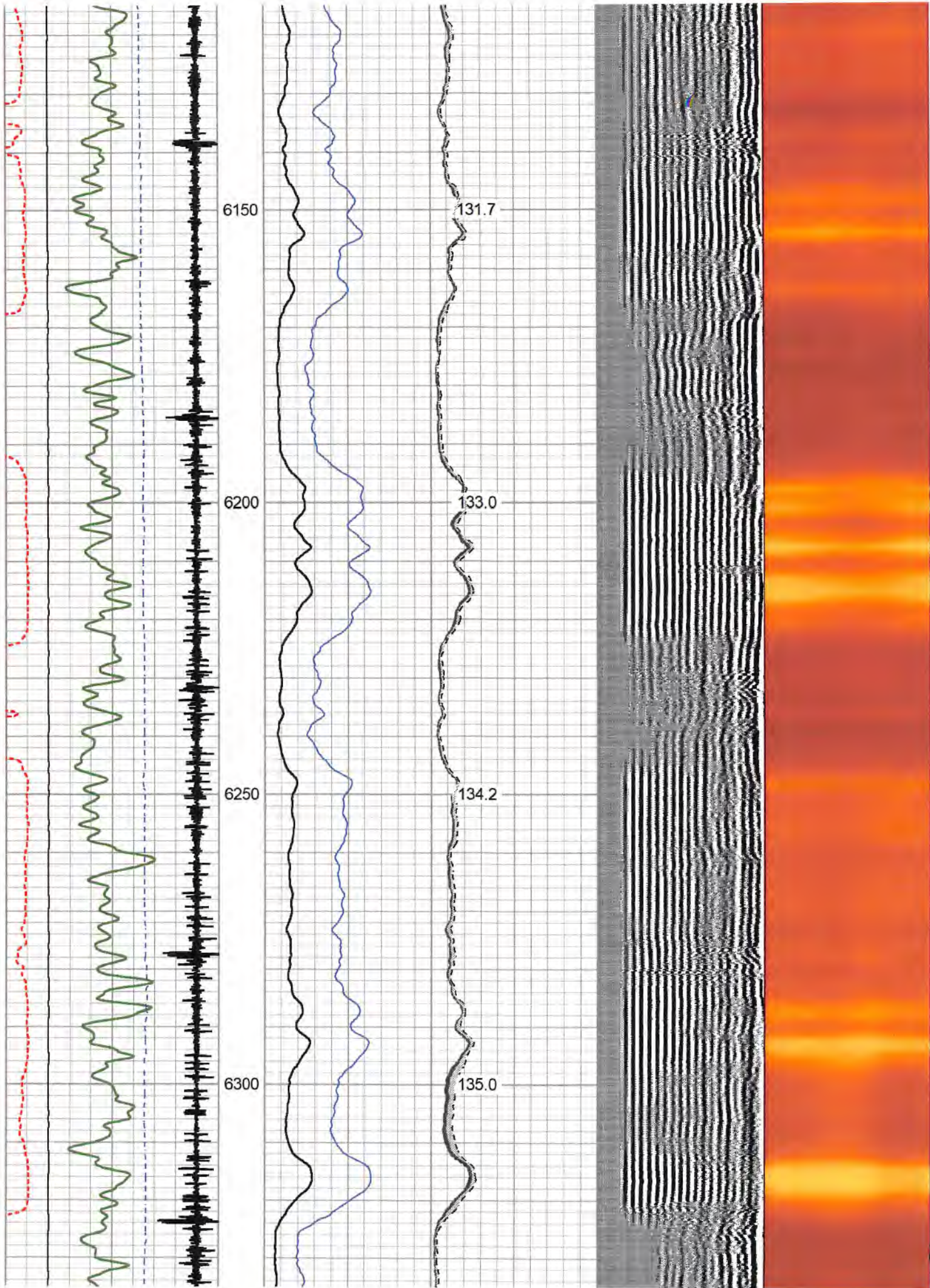


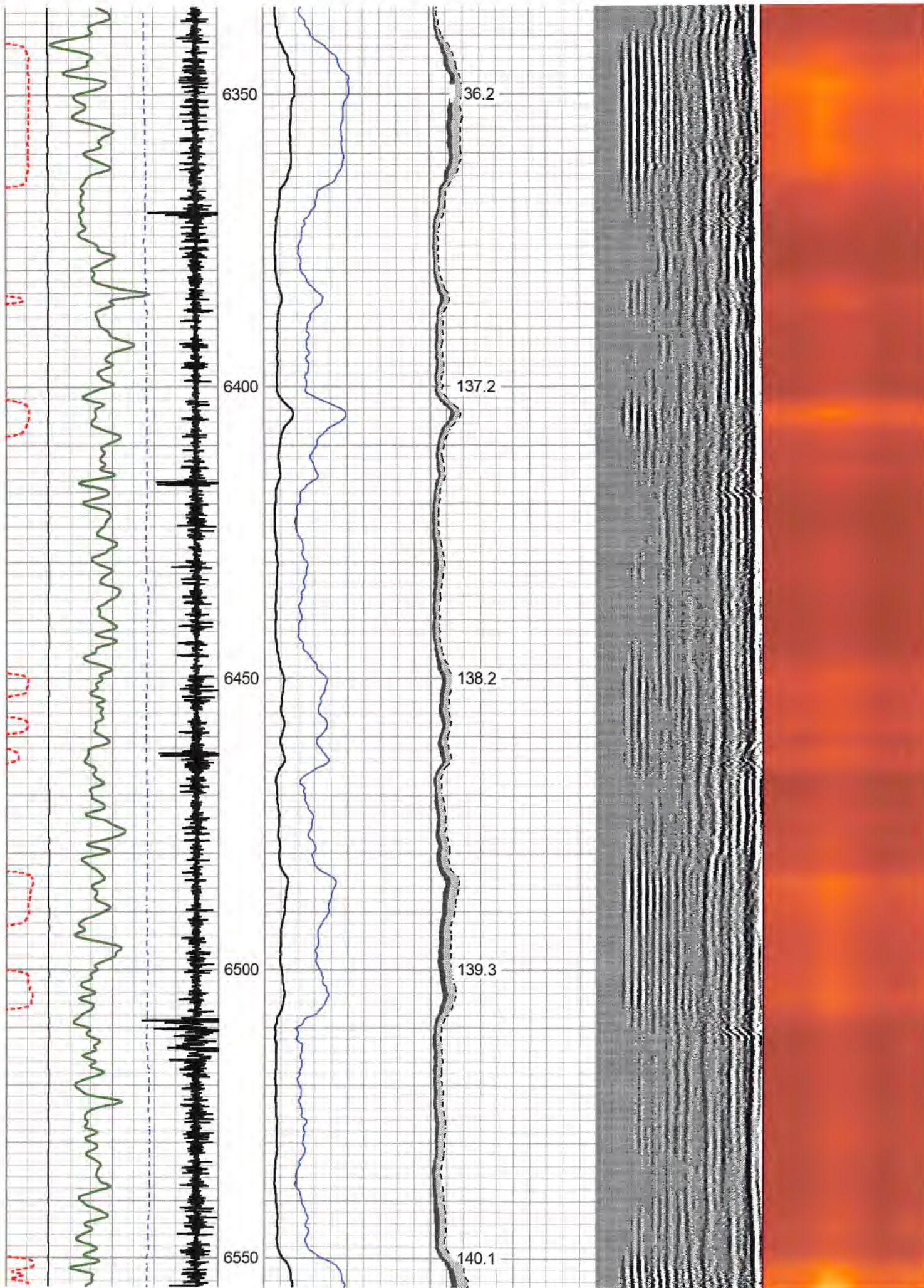


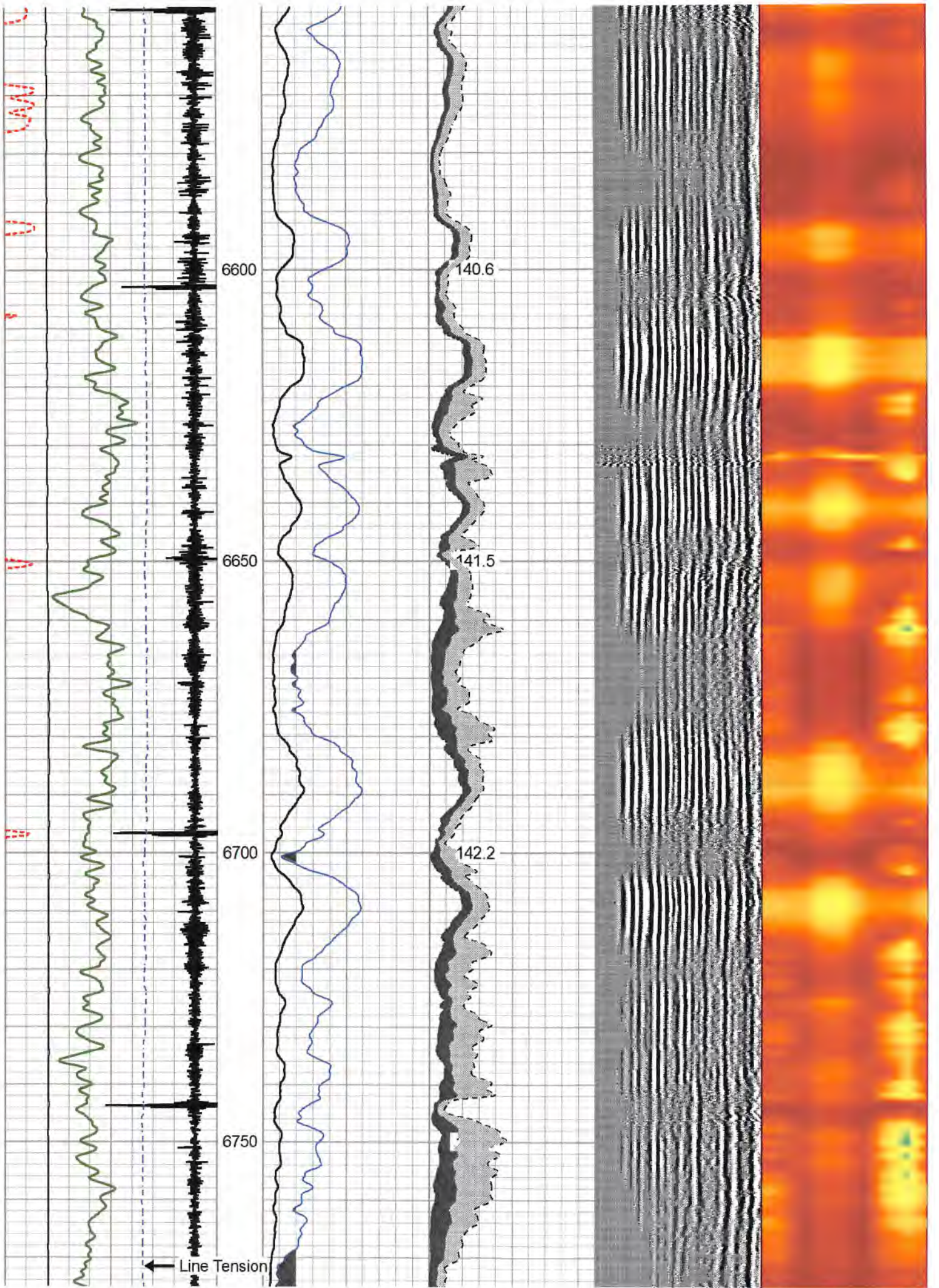




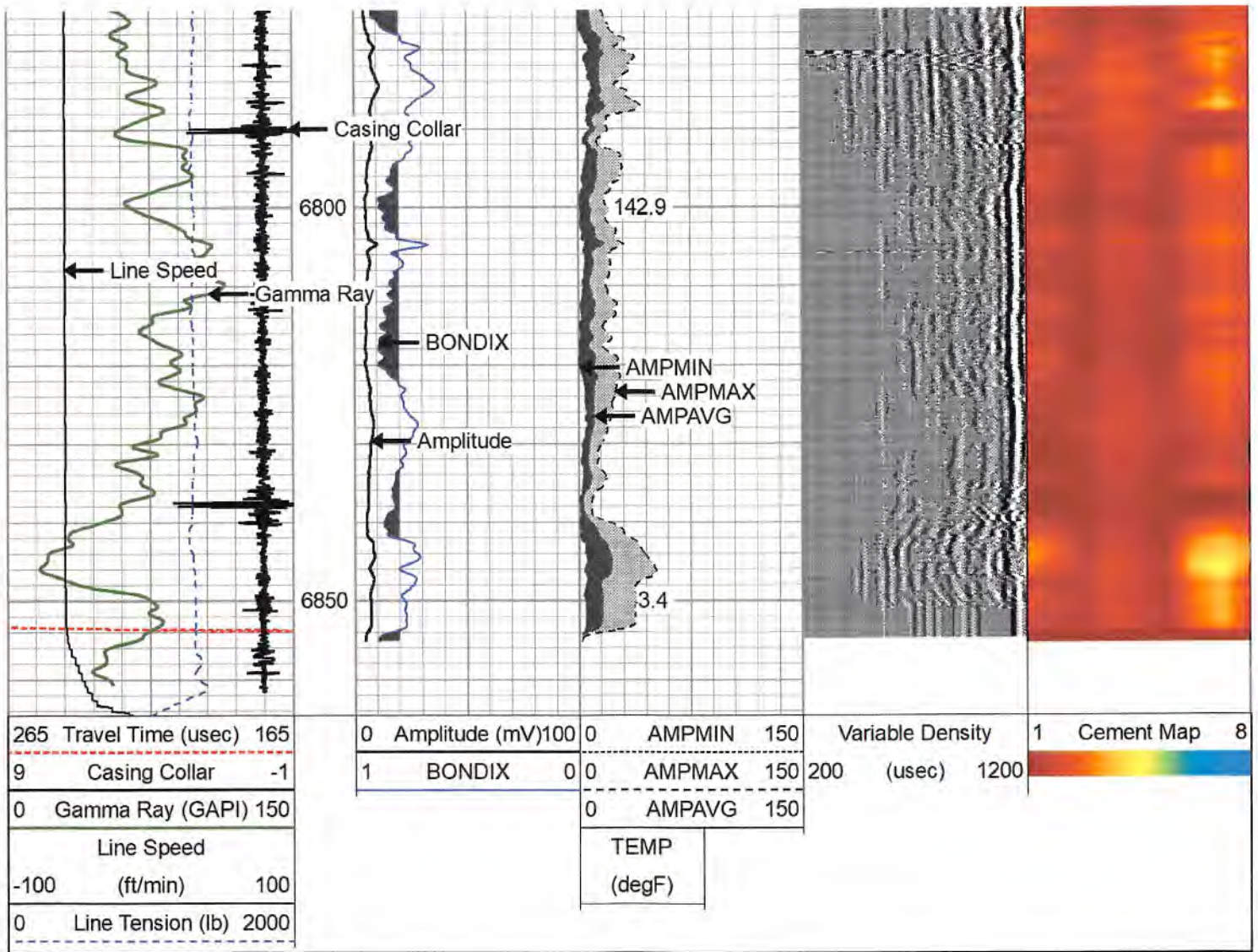






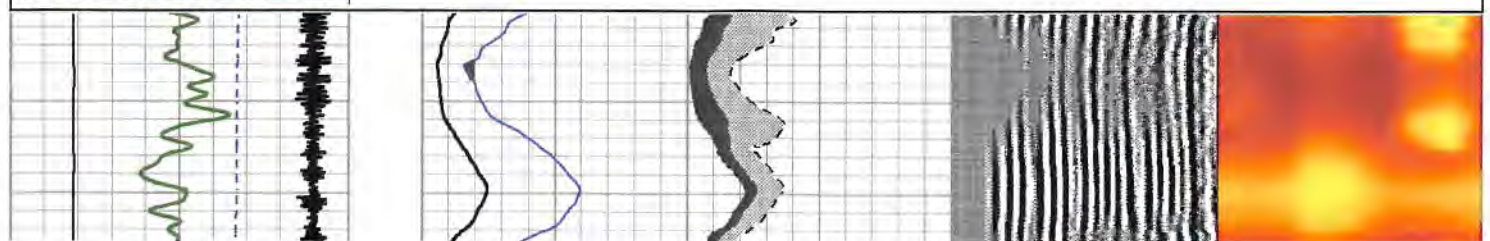
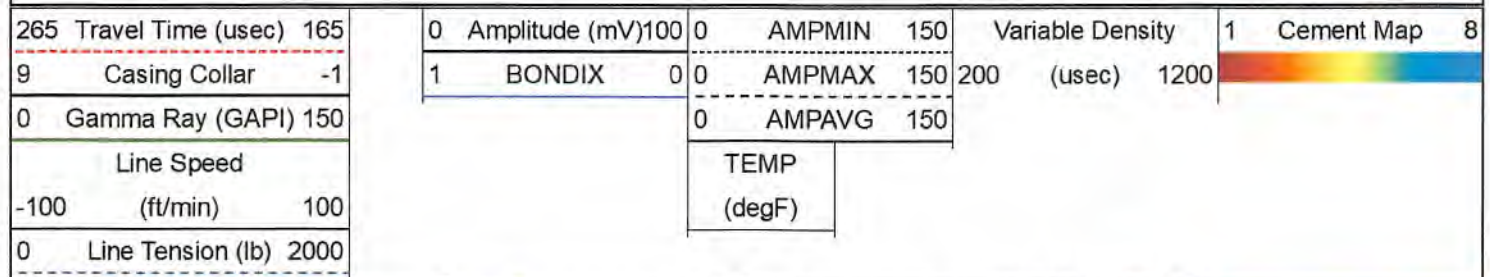


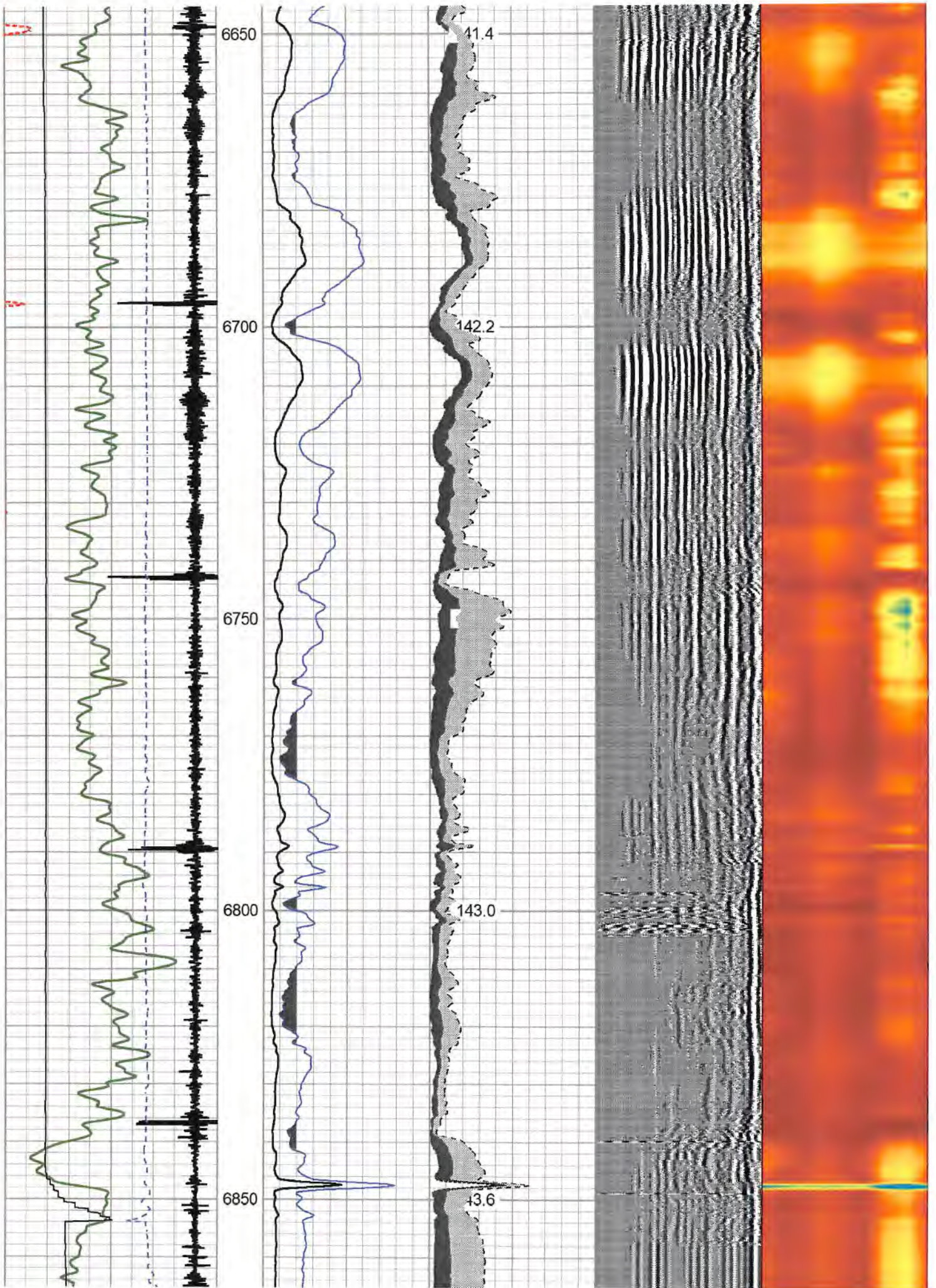


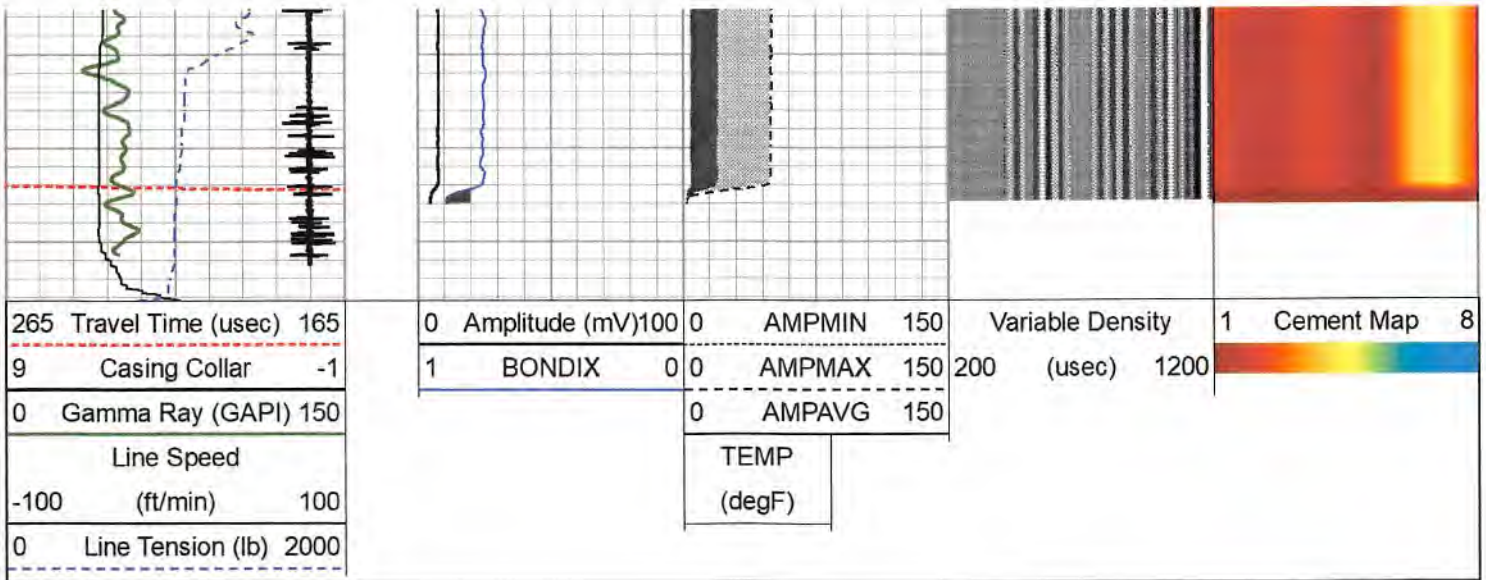



# Repeat Pass 1,500 PSI

Database File: antero\_friend\_1h\_nov\_7\_2020\_cbl.db  
 Dataset Pathname: Rabbit\_Ears/friend\_1h/rcbl/pass5  
 Presentation Format: rcbl-bond index for antero 1020  
 Dataset Creation: Sun Nov 08 02:37:48 2020  
 Charted by: Depth in Feet scaled 1:240







**Log Variables** DatabaseC:\ProgramData\Warrior\Data\antero\_friend\_1h\_nov\_7\_2020\_cbl.db  
 Dataset Rabbit\_Ears/friend\_1h/rcbl/pass7/\_vars\_

**Top - Bottom**

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in 8.5	degF 144	in 5.5	in 0	lb/ft 23	mV 71.9	mV 3.4
MINATTN	PERFS	PPT	SRFTEMP	TDEPTH			
db/ft 0.8	No	uSec 260	degF 0	ft 6850			

**Variable Description**

BHTEMP_Src : BHTEMP Input Source Selector	MINAMPL : Minimum Amplitude
BOREID : Borehole I.D.	MINATTN : Minimum Attenuation
BOTTEMP : Bottom Hole Temperature	PERFS : Perforation Flag
CASEOD : Casing O.D.	PPT : Predicted Pipe Time
CASETHCK : Casing Thickness	SRFTEMP : Surface Temperature
CASEWGHT : Casing Weight	TDEPTH : Total Depth
MAXAMPL : Maximum Amplitude	

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**Calibration Report**

Database File antero\_friend\_1h\_nov\_7\_2020\_cbl.db  
 Dataset Pathname Rabbit\_Ears/friend\_1h/rcbl/pass7  
 Dataset Creation Sun Nov 08 02:46:41 2020

**Gamma Ray Calibration Report**

Serial Number:	FW1211-86
Tool Model:	Probe
Performed:	Sun Sep 13 14:03:29 2020
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:	FW1312-32
Tool Model:	Probe275T

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Calibration Casing Diameter: 5.500 in  
 Calibration Depth: 151.433 ft

Master Calibration, performed Sat Nov 07 19:53:22 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.021	0.992	3.400	71.921	67.672	4.817
CAL	-0.021	1.415				
5'	-0.021	0.944	3.400	71.921	71.007	4.880
SUM						
S1	-0.021	0.966	0.000	100.000	101.349	2.113
S2	-0.021	0.955	0.000	100.000	102.520	2.143
S3	-0.021	0.946	0.000	100.000	103.378	2.168
S4	-0.021	0.969	0.000	100.000	101.043	2.103
S5	-0.021	1.010	0.000	100.000	96.958	2.030
S6	-0.021	1.031	0.000	100.000	95.071	1.983
S7	-0.021	1.067	0.000	100.000	91.911	1.939
S8	-0.021	1.043	0.000	100.000	93.987	1.963

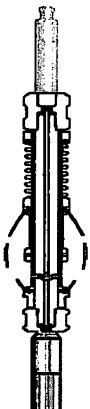
Internal Reference Calibration, performed Thu Sep 27 16:01:58 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.021	1.415	1.000	0.000

Air Zero Calibration, performed Sat Nov 07 10:29:21 2020:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Gain	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

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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
HeadVolt	16.86		CHD-Titan Titan 1 7/16" GO Cablehead	1.00	1.44	5.00
			CENT-Titn275Adj Titan 2 3/4" Adjustable Centralizer	2.75	2.75	35.00

Temp	14.02					
WVFS8	11.78		RBT-Probe275T (FW1312-32) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
WVFS7	11.78					
WVFS6	11.78					
WVFS5	11.78					
WVFS4	11.78					
WVFS3	11.78					
WVFS2	11.78					
WVFS1	11.78					
WVF3FT	11.78					
WVF5FT	10.78					
WVFCAL	7.53					
HEADVOLT	7.53					
			CENT-Titn275Adj Titan 2 3/4" Adjustable Centralizer	2.75	2.75	35.00
CCL	3.88					
GR	2.54		GR-Probe (FW1211-86) Probe 2 3/4" Logging Gamma Ray	4.78	2.75	57.00
Dataset: antero_friend_1h_nov_7_2020_cbl.db: Rabbit_Ears/friend_1h/rcbl/pass7 Total length: 20.67 ft Total weight: 222.00 lb O.D.: 2.75 in						

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	Company	ANTERO	
	Well	Friend 1H	
	Field	RABBIT EARS	
	County	TYLER	
	State	WEST VIRGINIA	Country