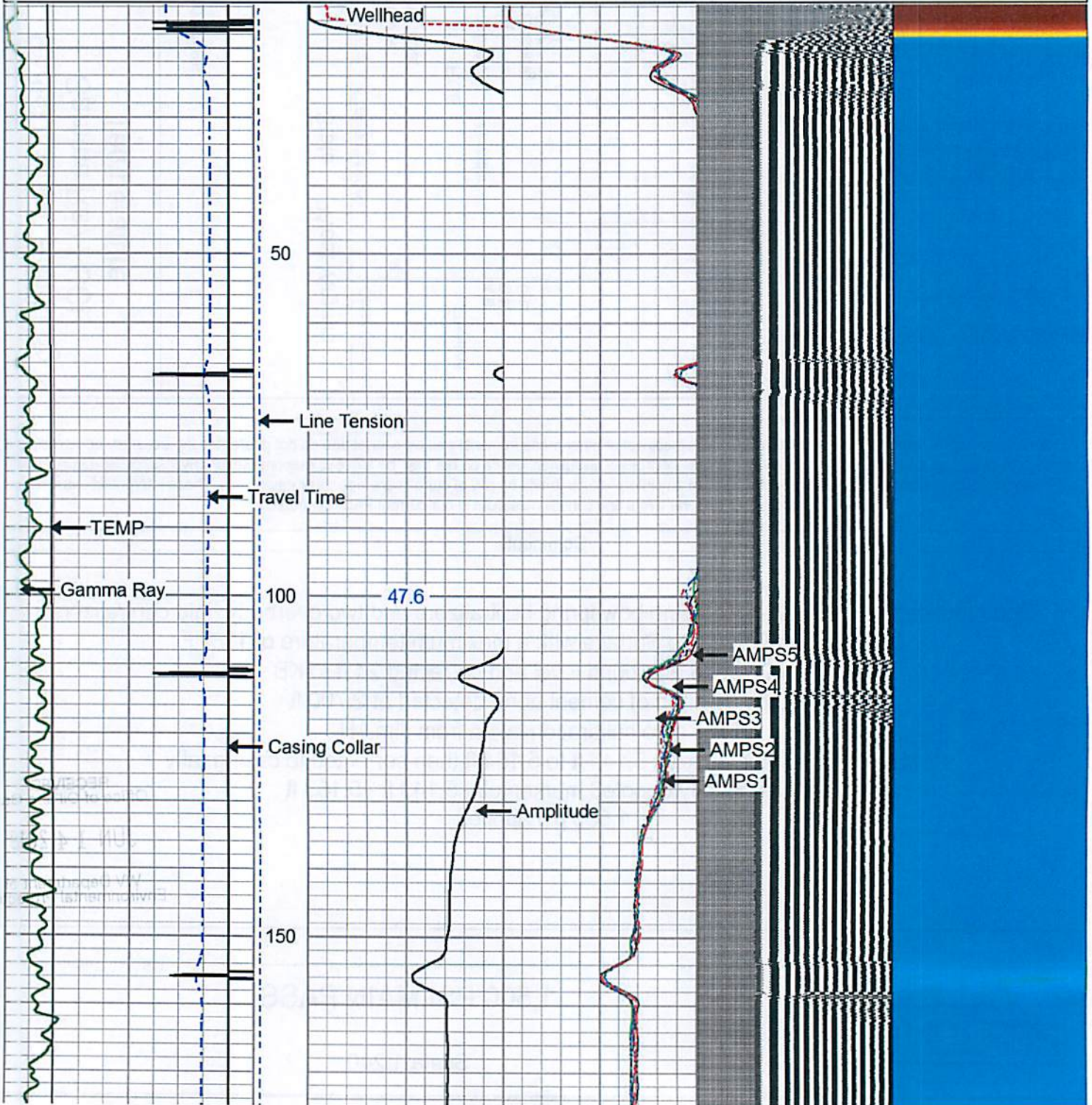
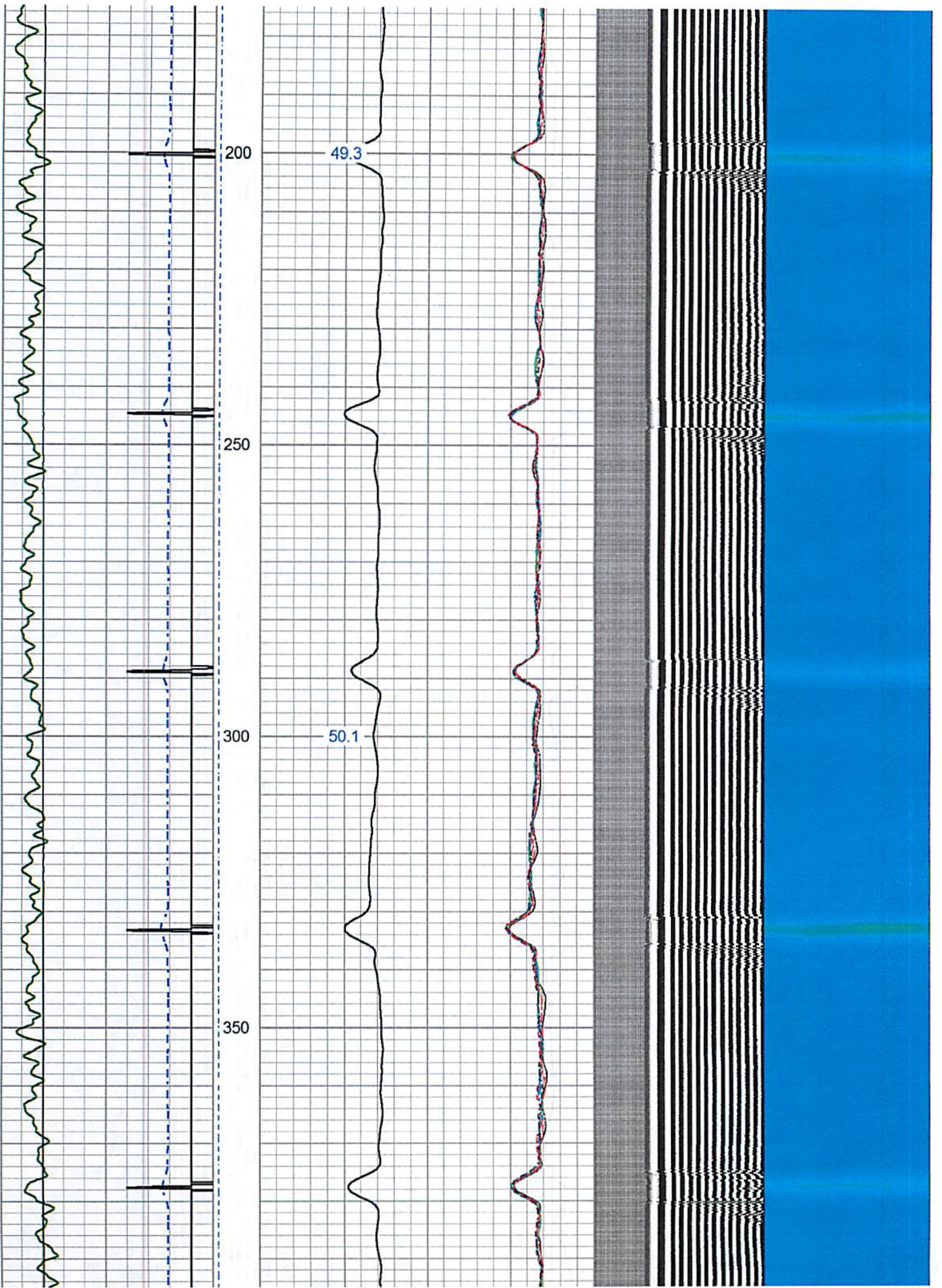
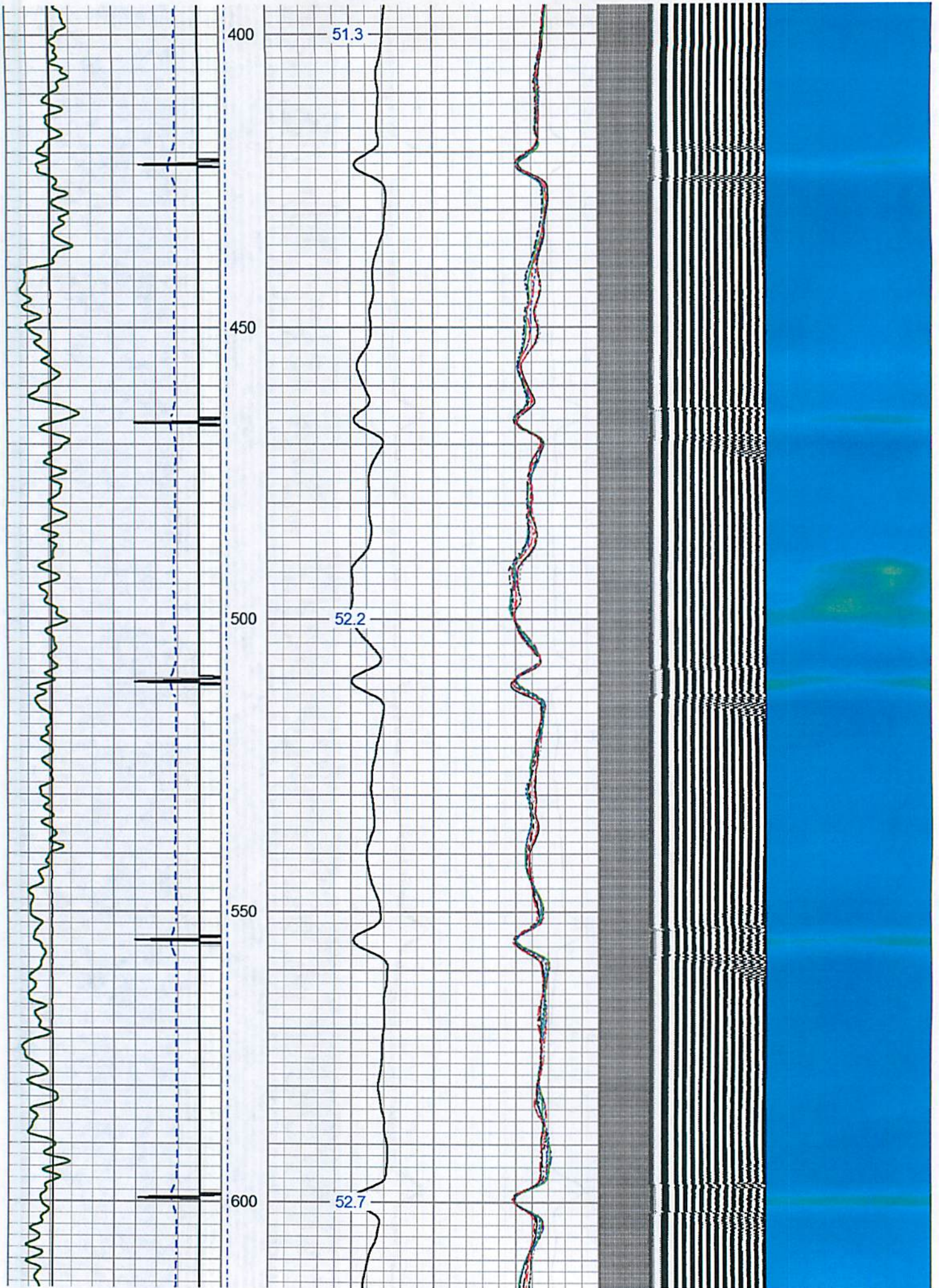


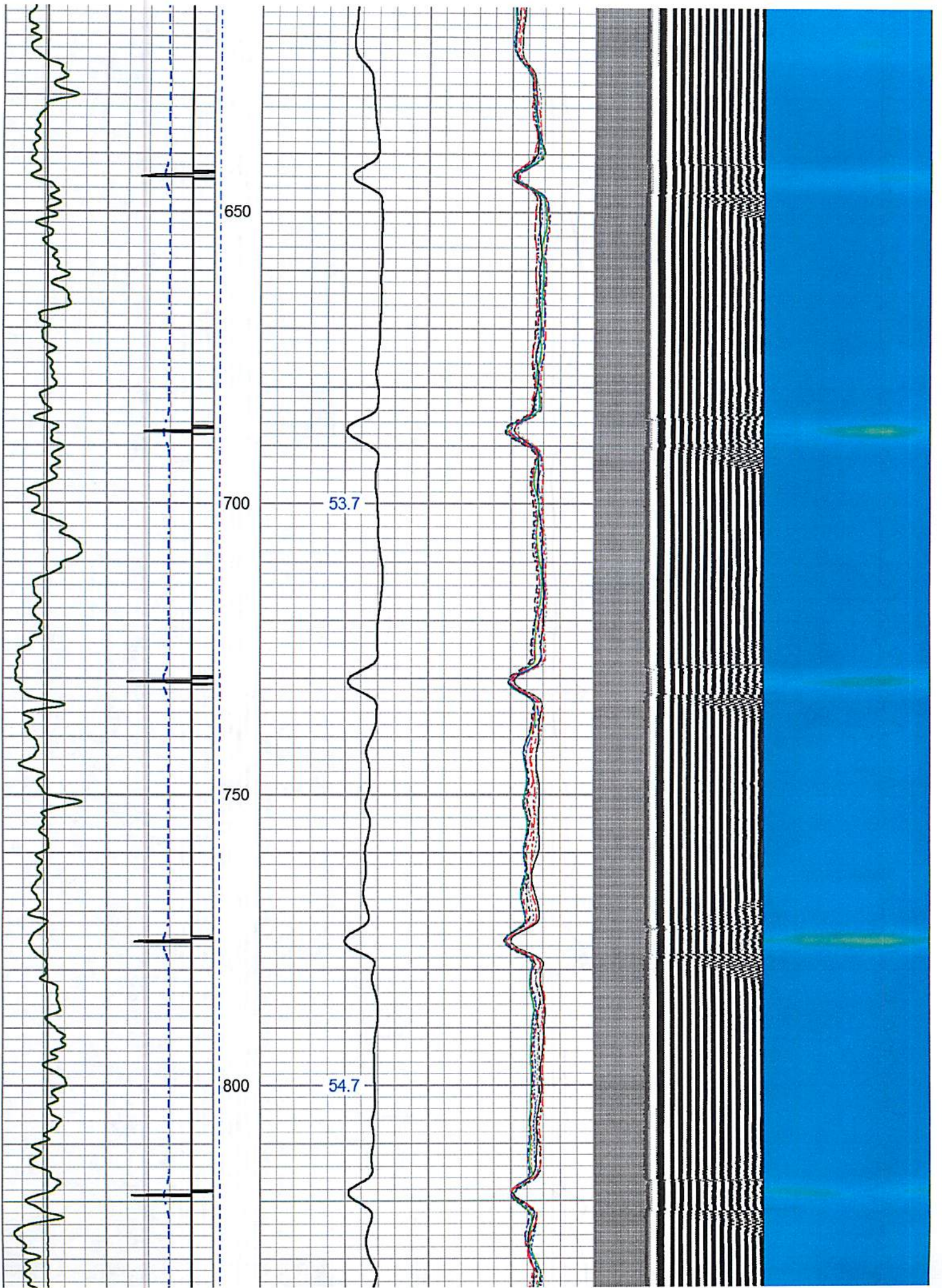
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 Dataset Pathname Main Pass
 Presentation Format ahws_rcbl_jc
 Dataset Creation Thu Dec 13 13:54:44 2018
 Charted by Depth in Feet scaled 1:240

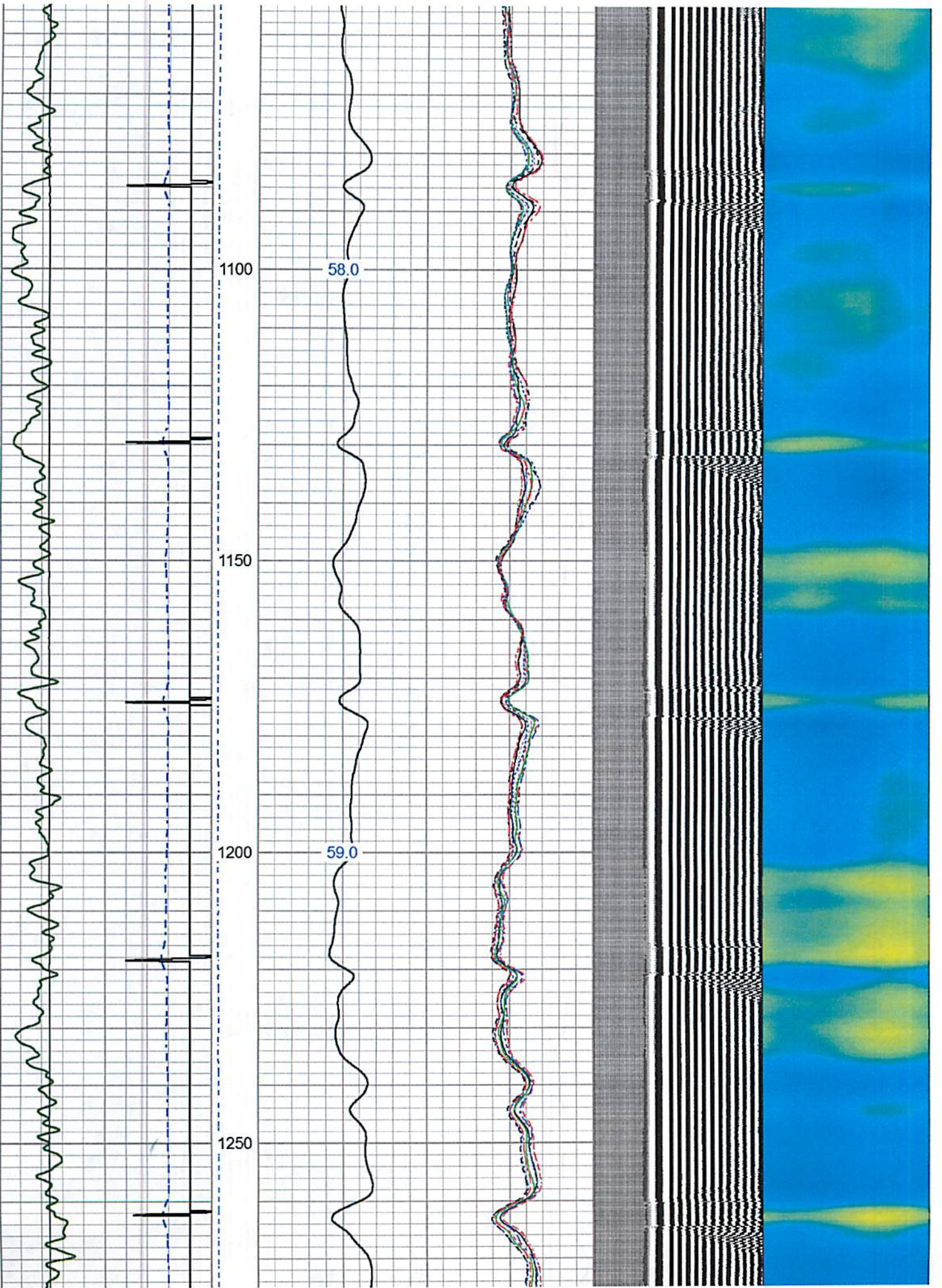
420	Travel Time (usec)	220	e Tens	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	(lb)	0	Amplified Amplitude	10	-5	AMPS2	150	200	1200	0	100
0	Gamma Ray (GAPI)	300	(2500)	0	(mV)	10	-5	AMPS3	150				
0	TEMP (degF)	250			TEMP		-5	AMPS4	150				
					(degF)		-5	AMPS5	150				
							-5	AMPS6	150				
							-5	AMPS7	150				
							-5	AMPS8	150				

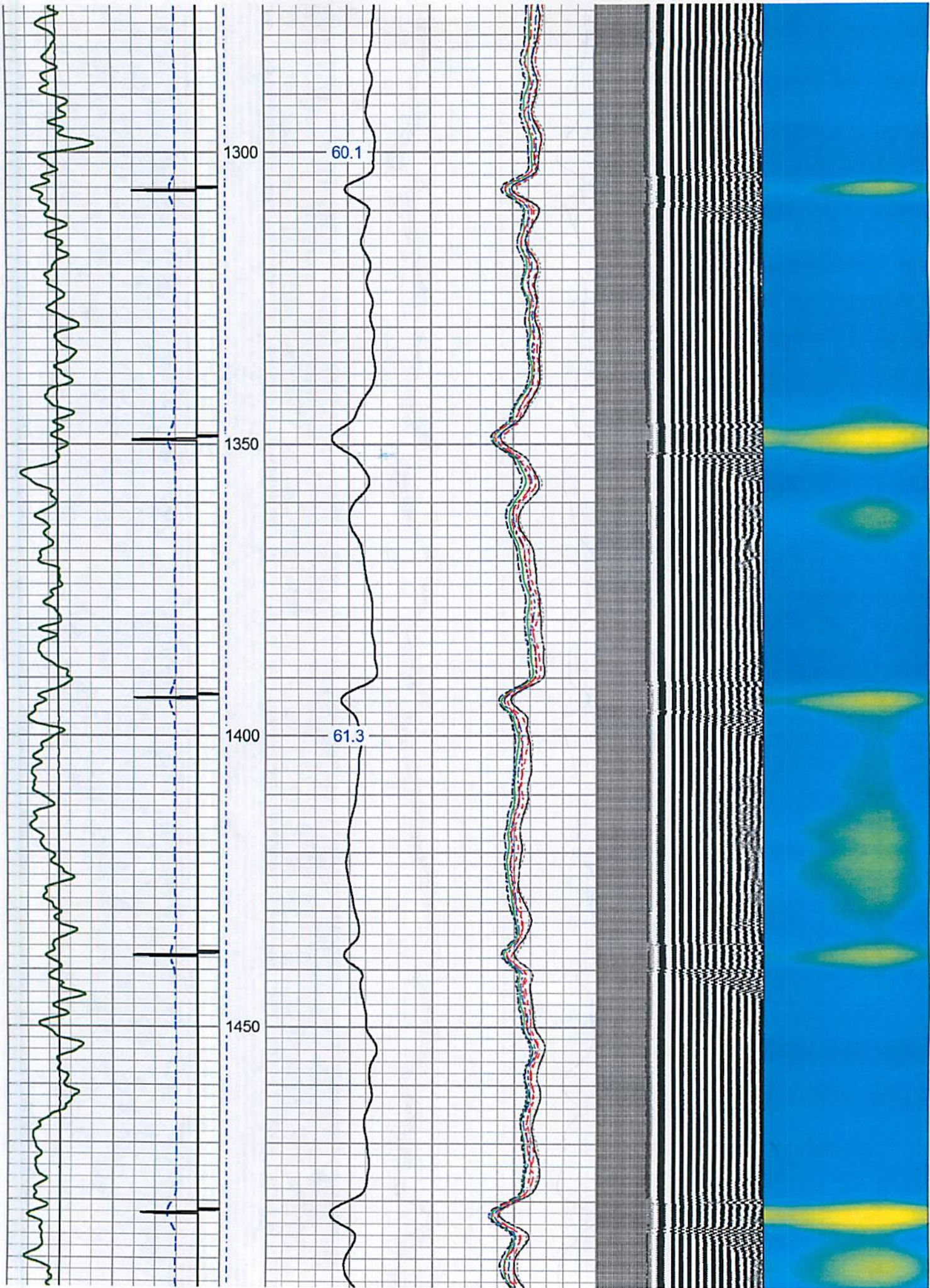


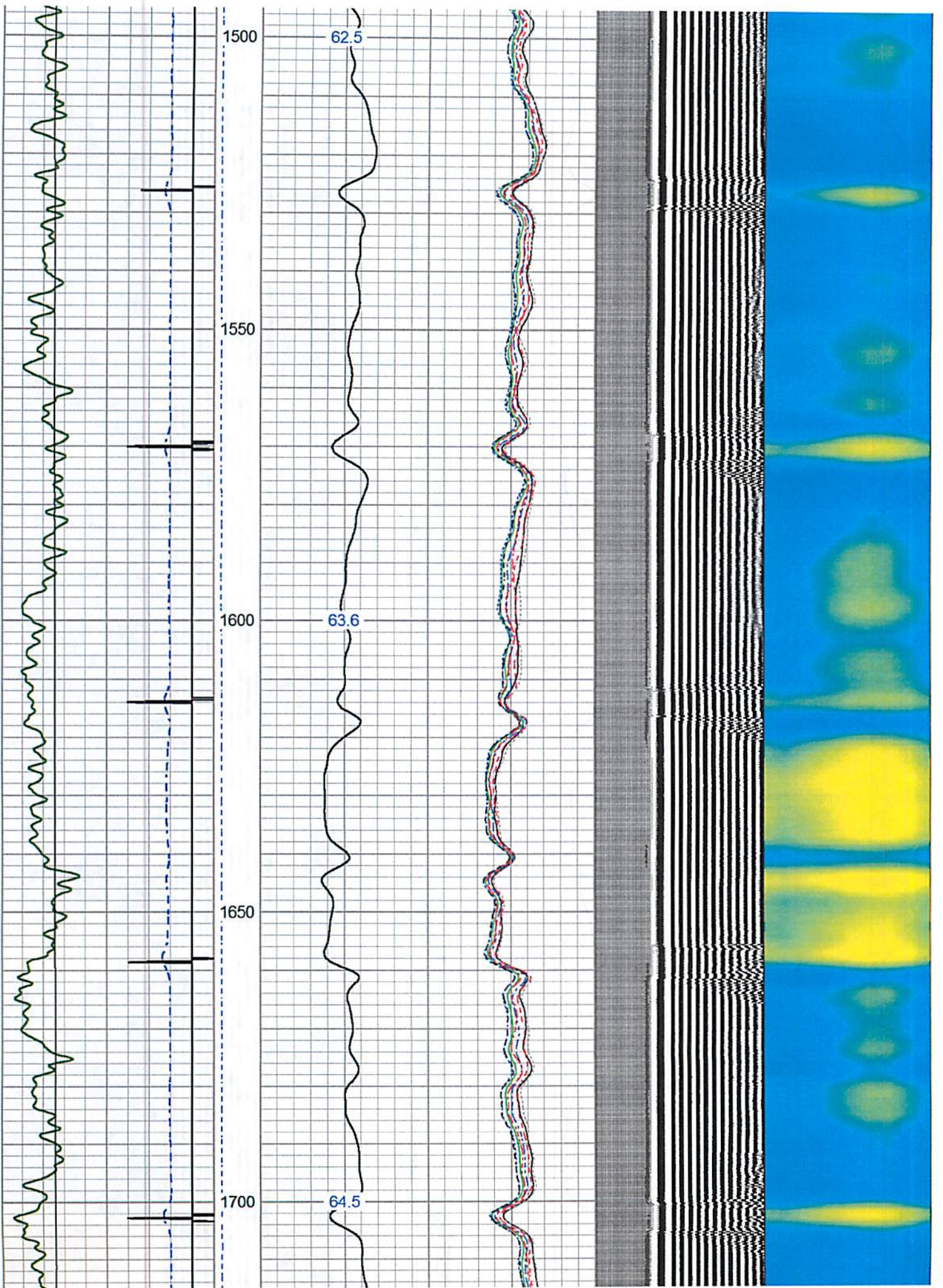


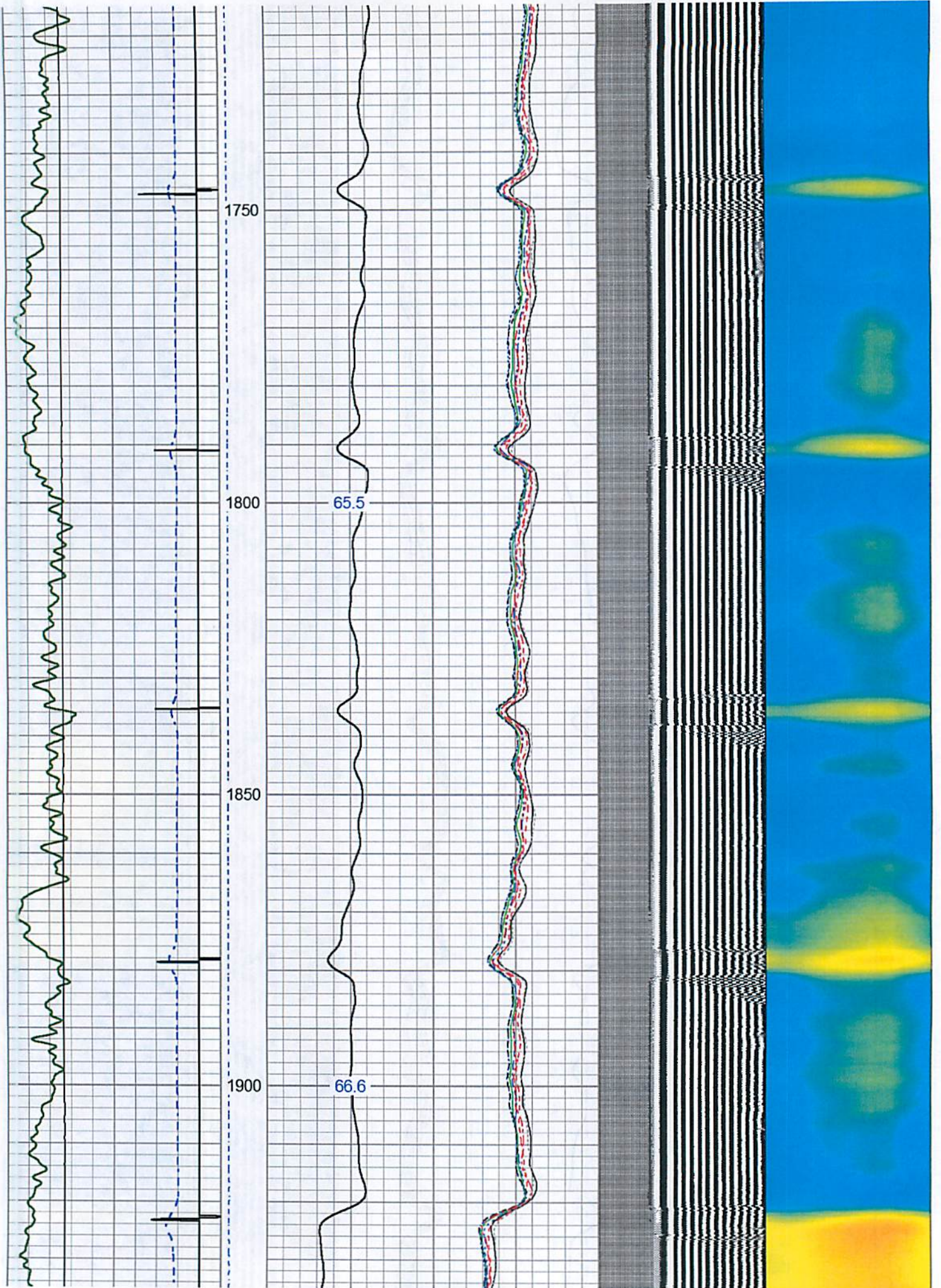


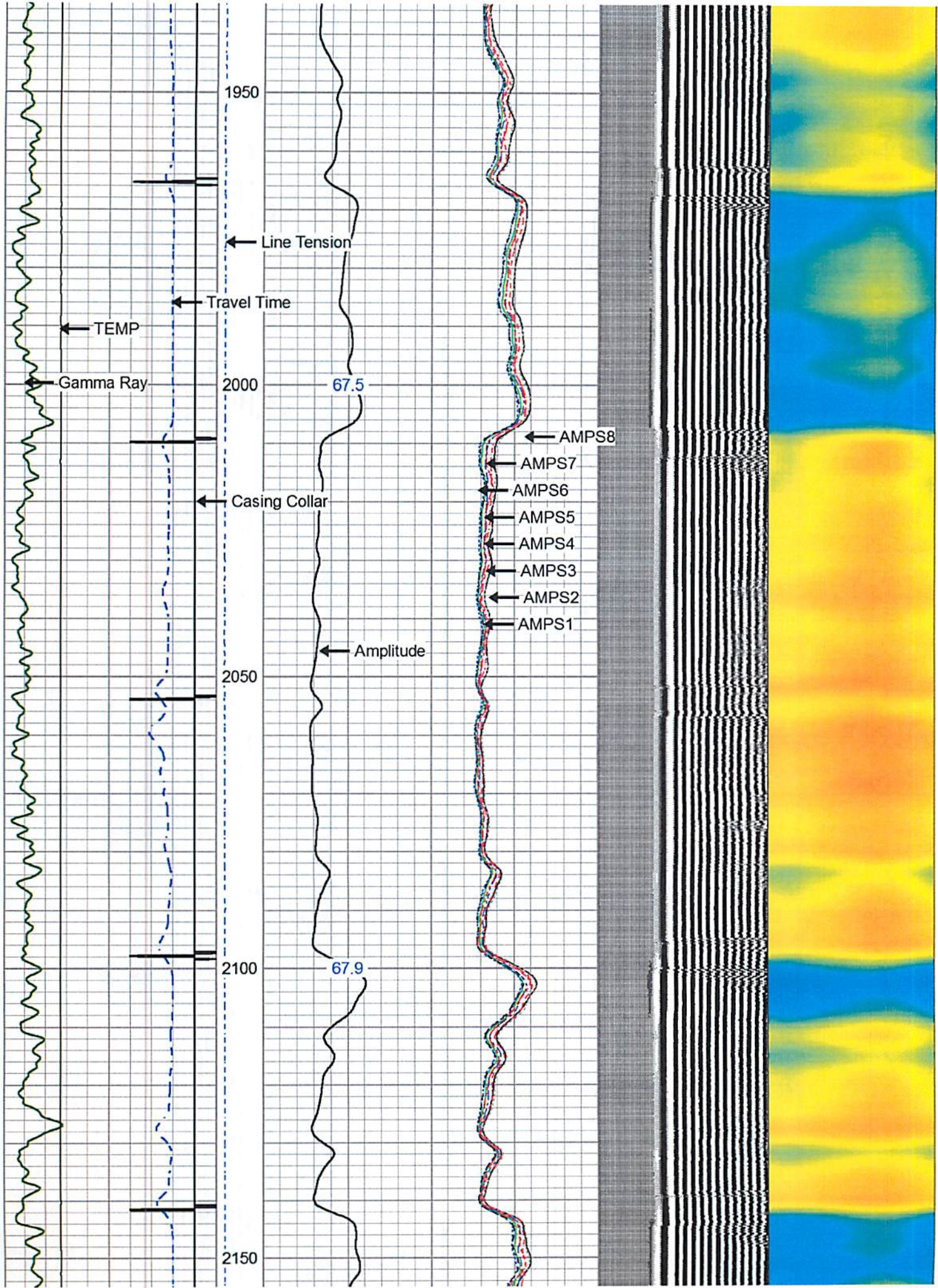


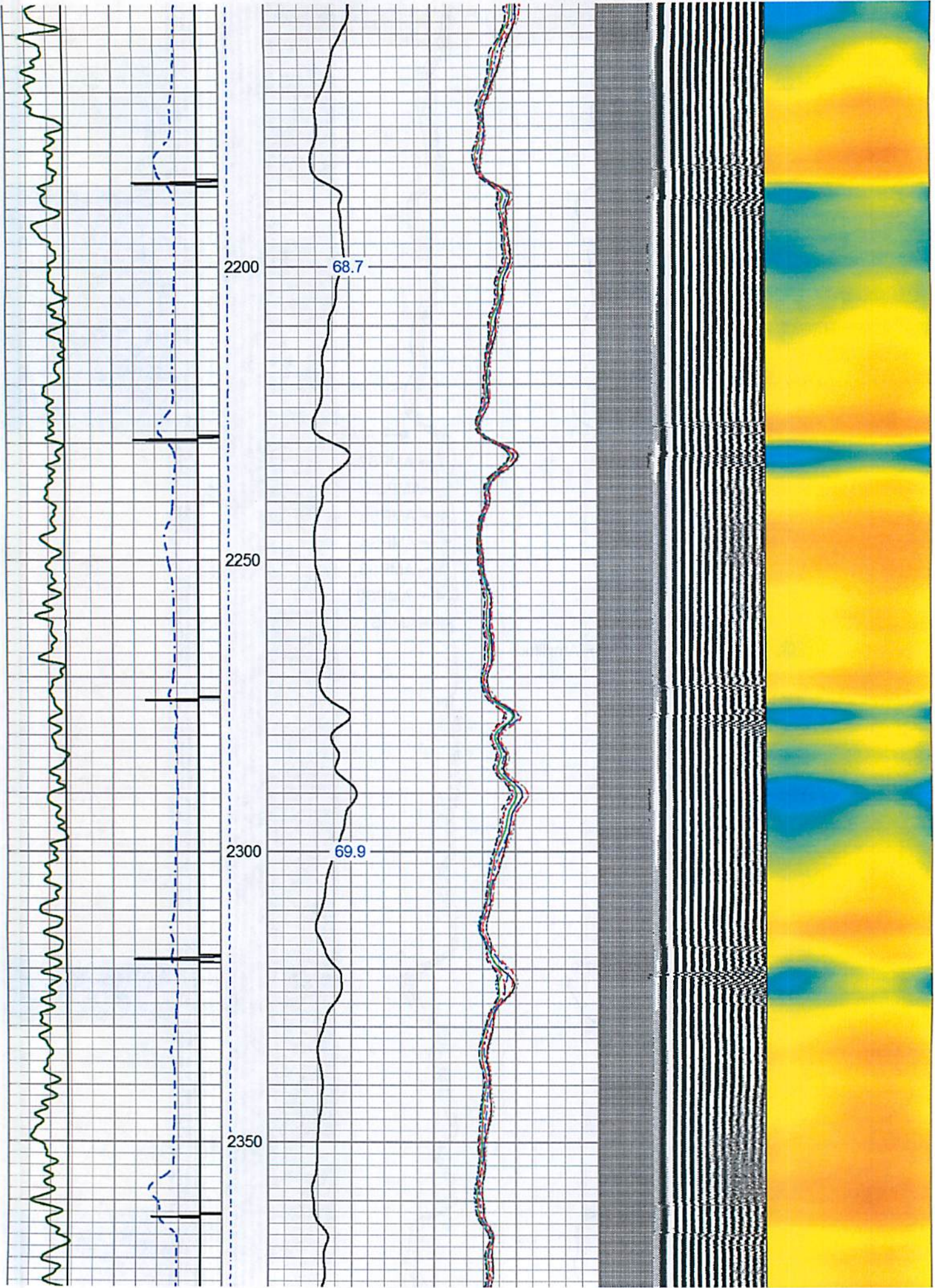


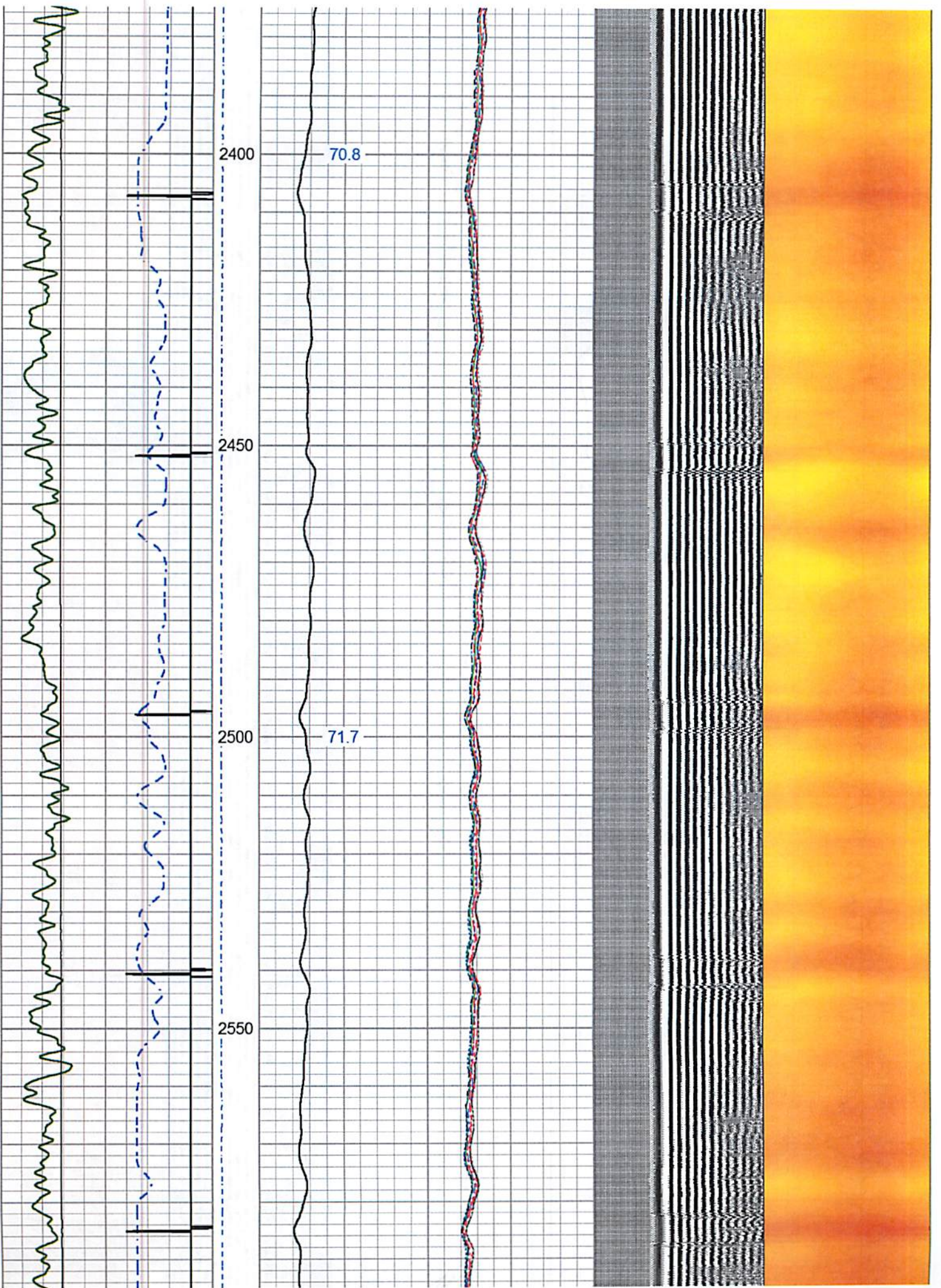


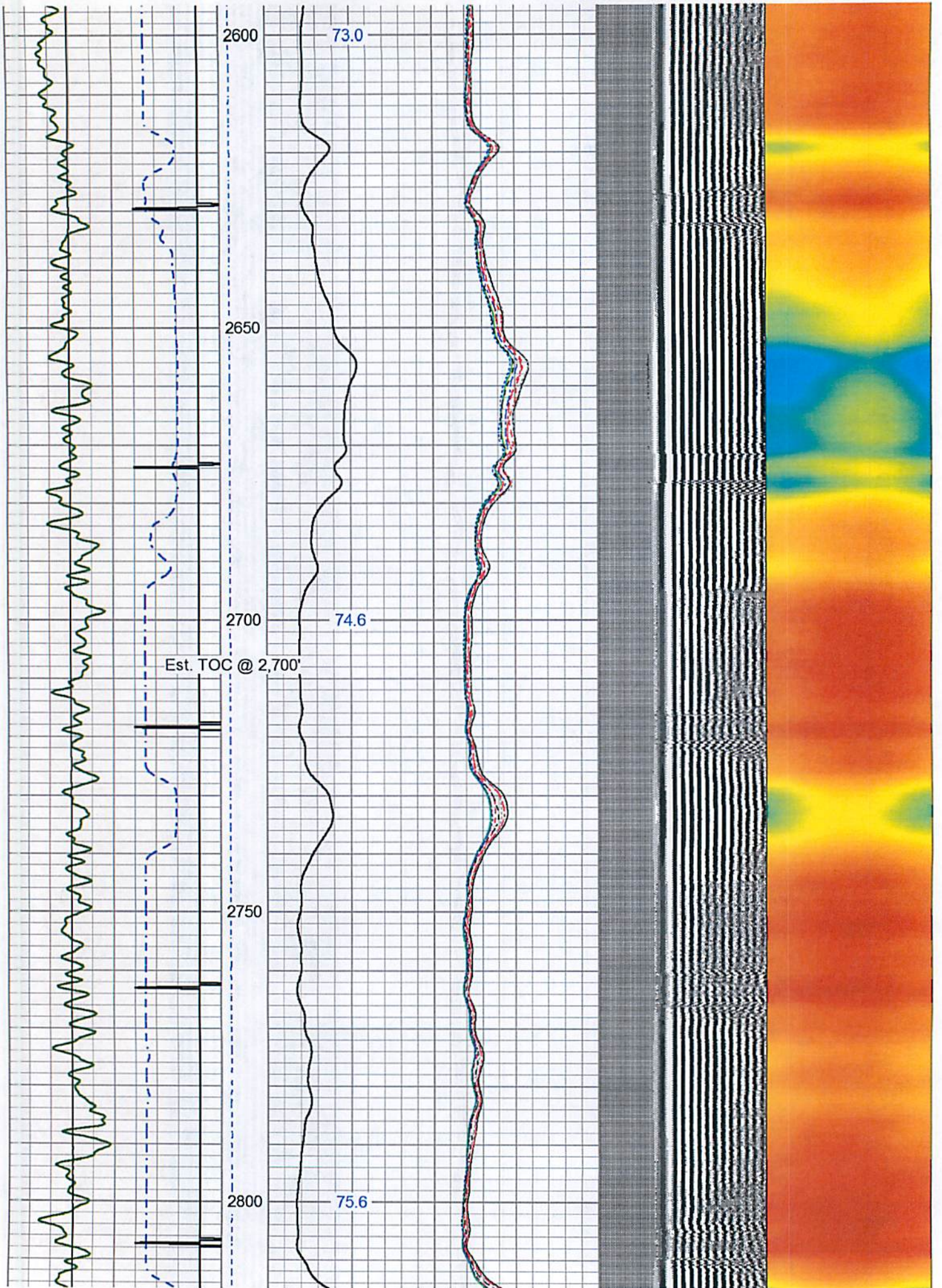


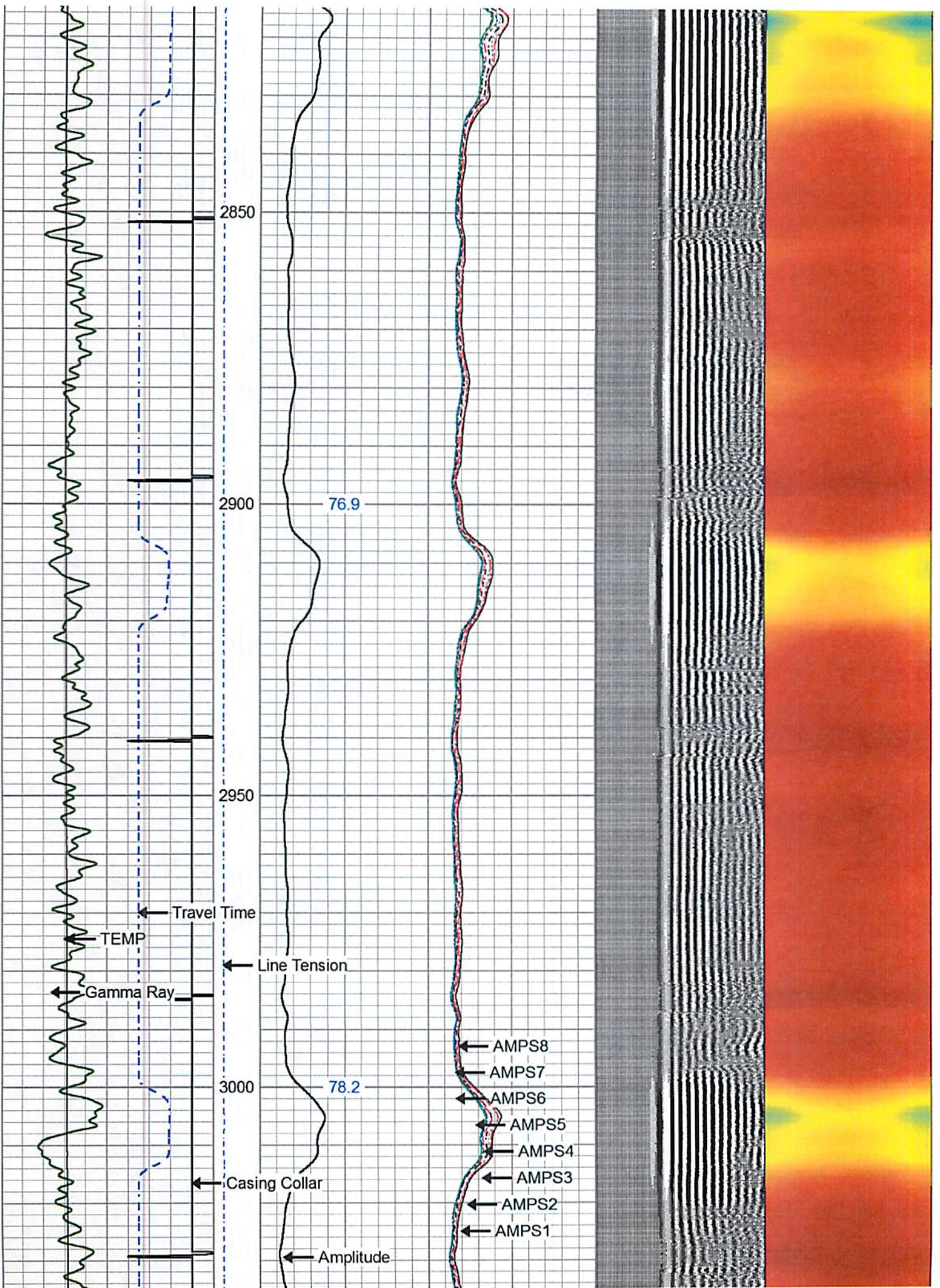


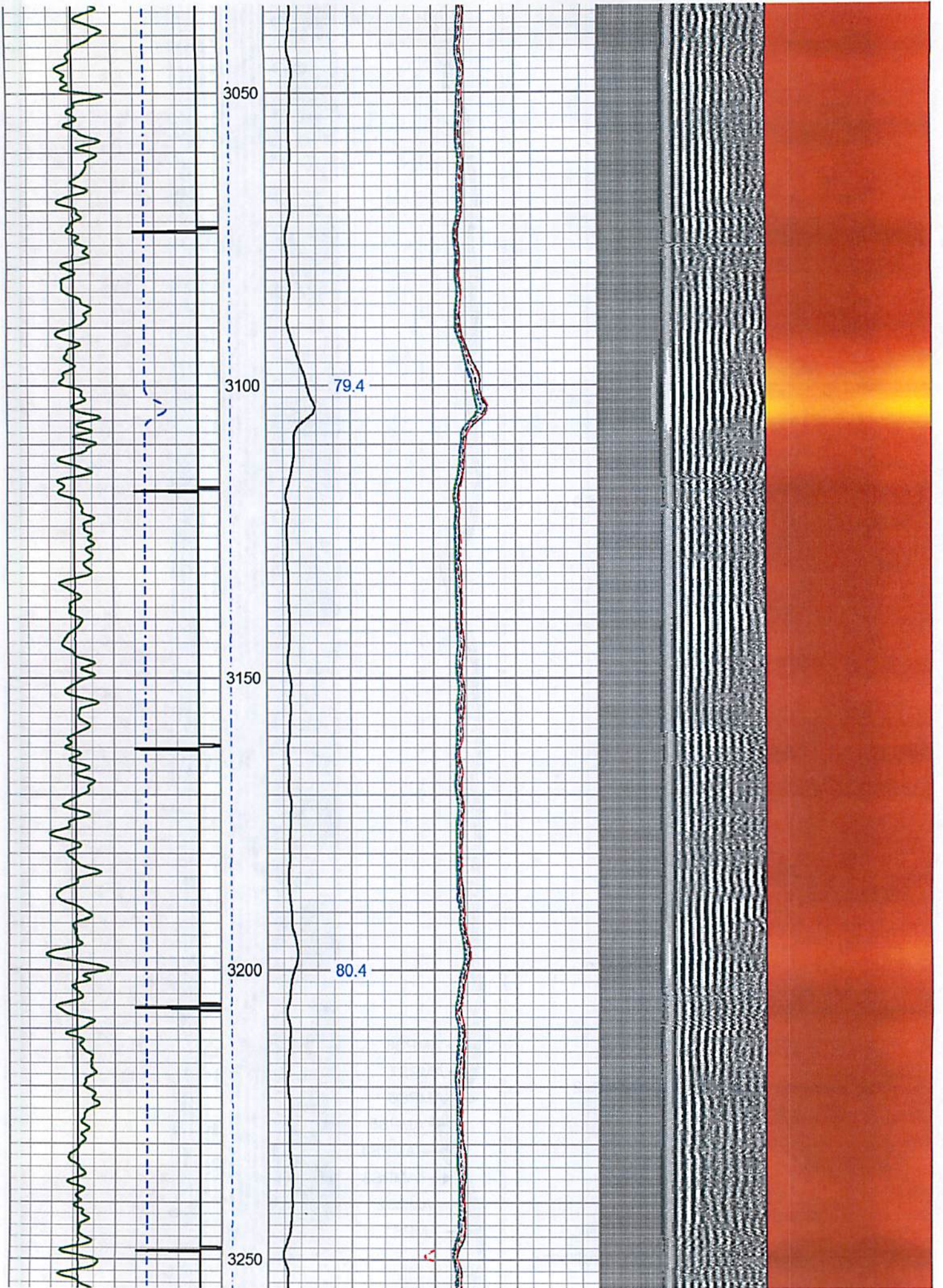


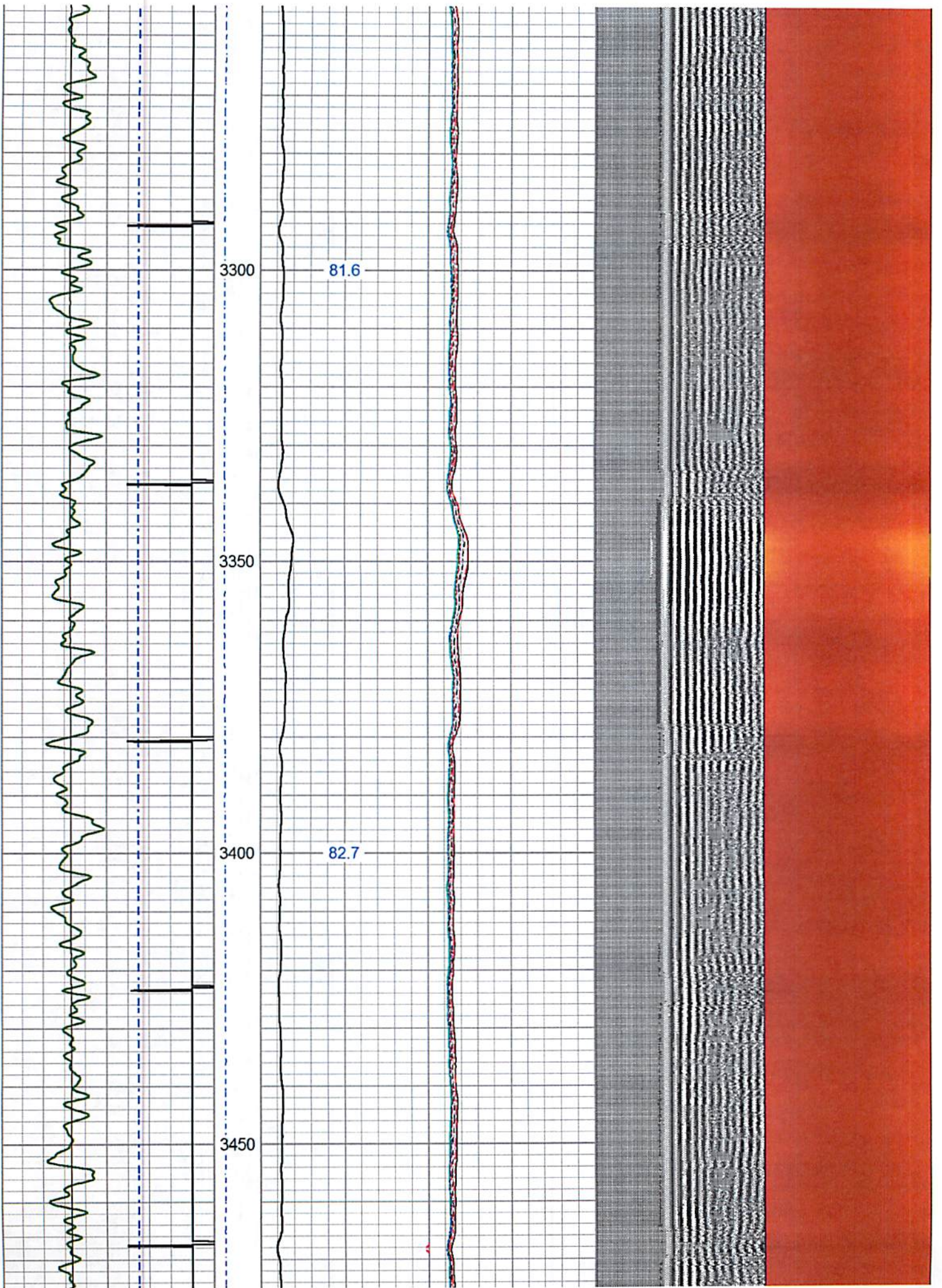


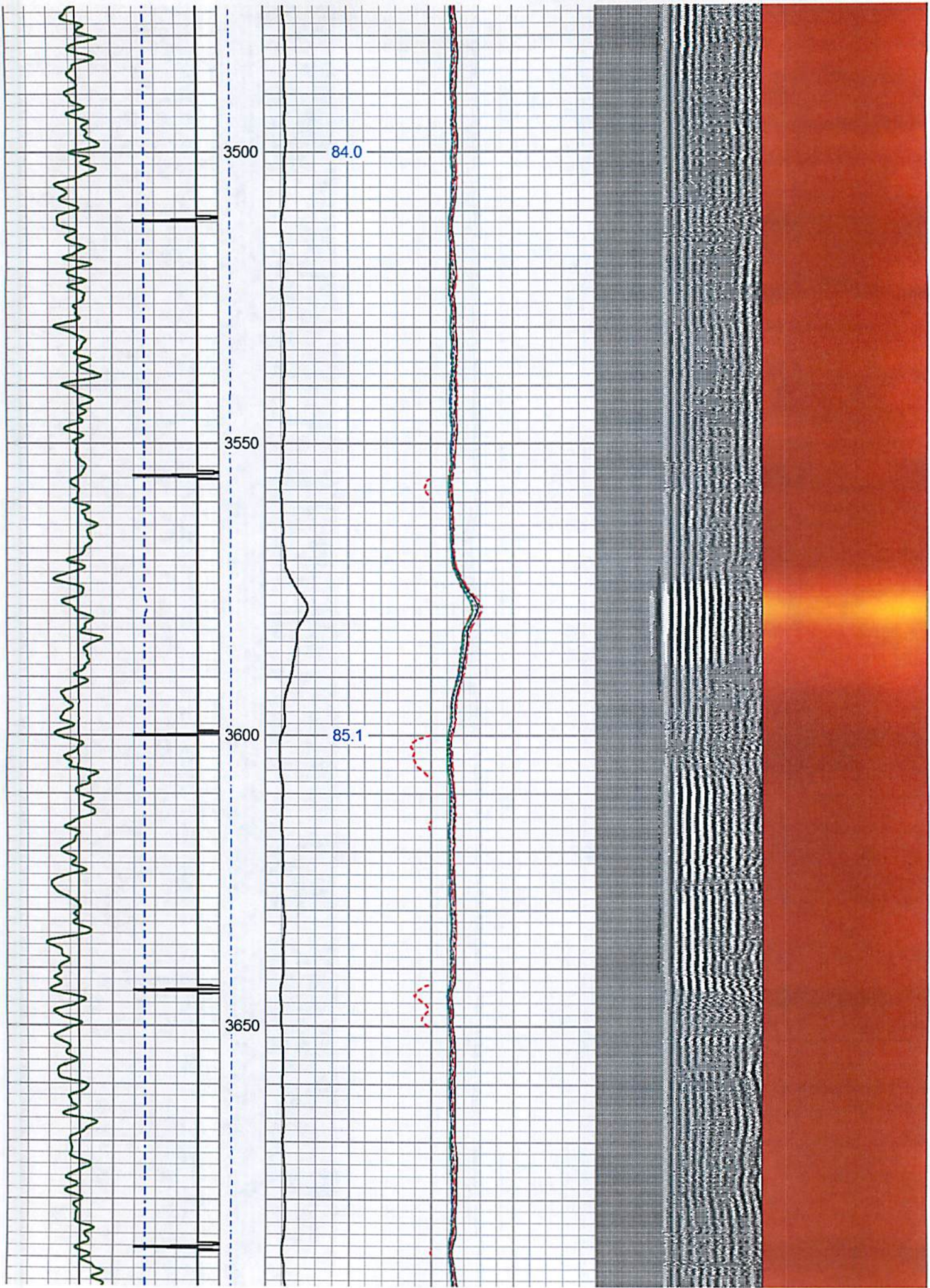


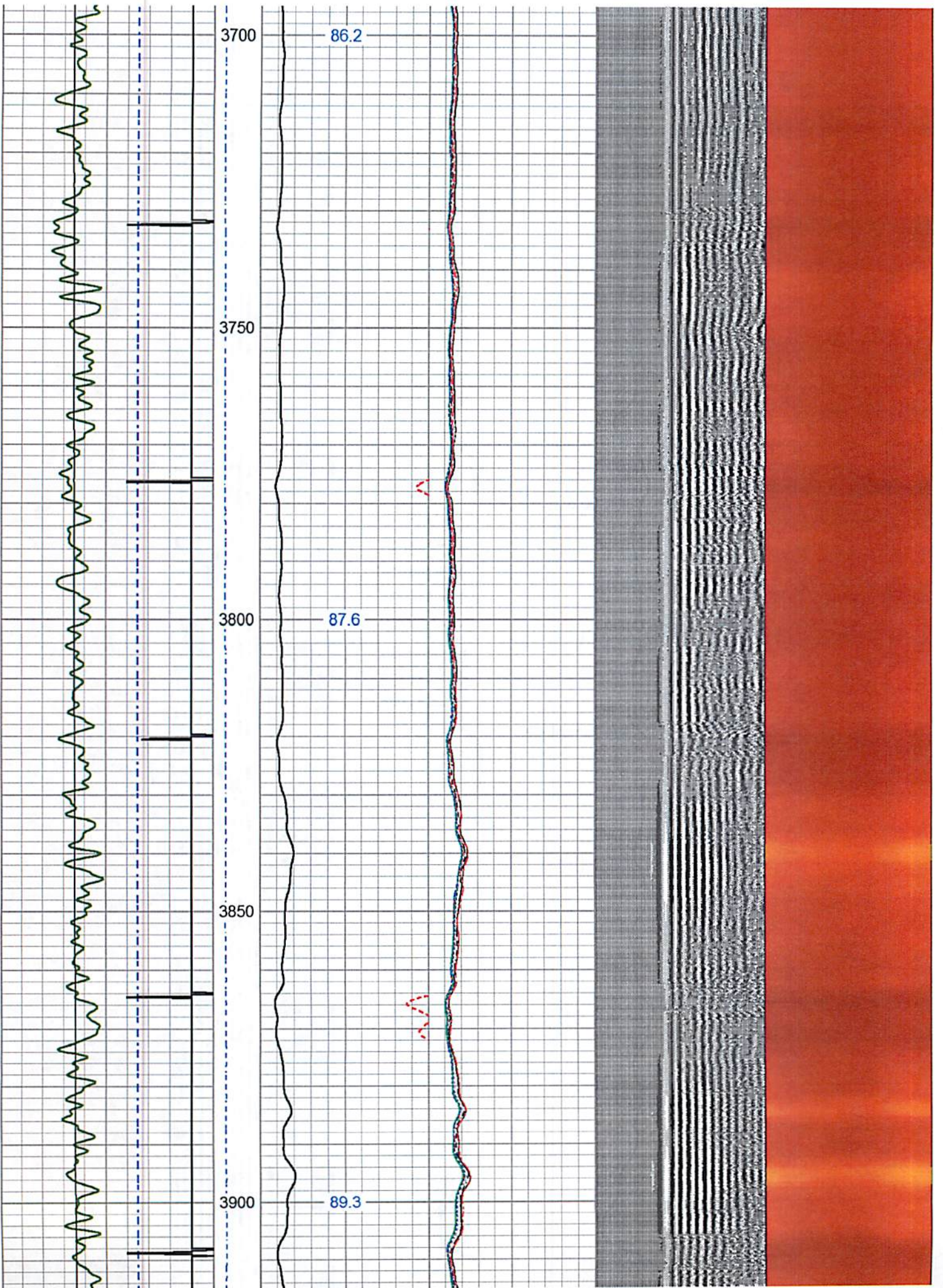


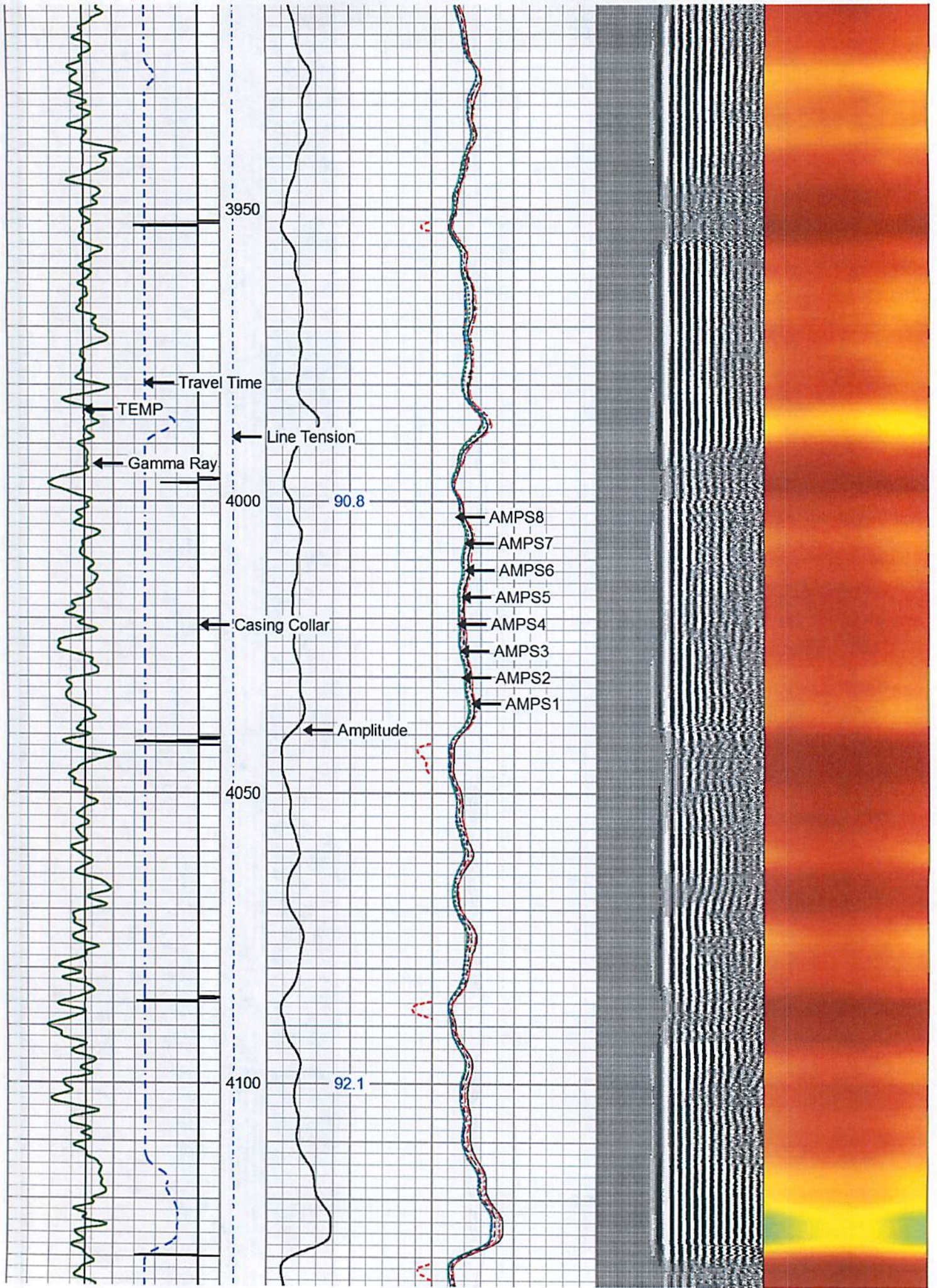


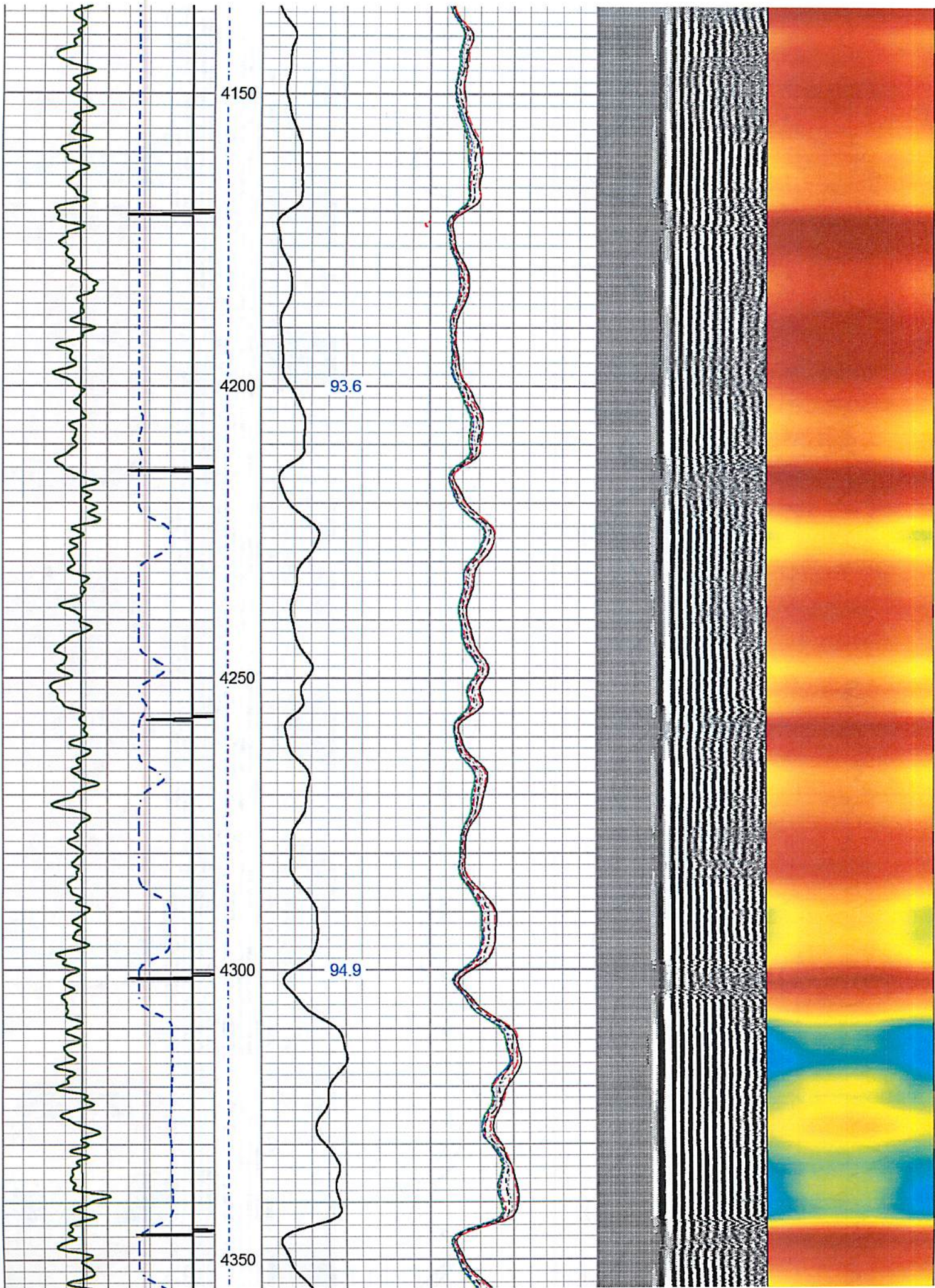


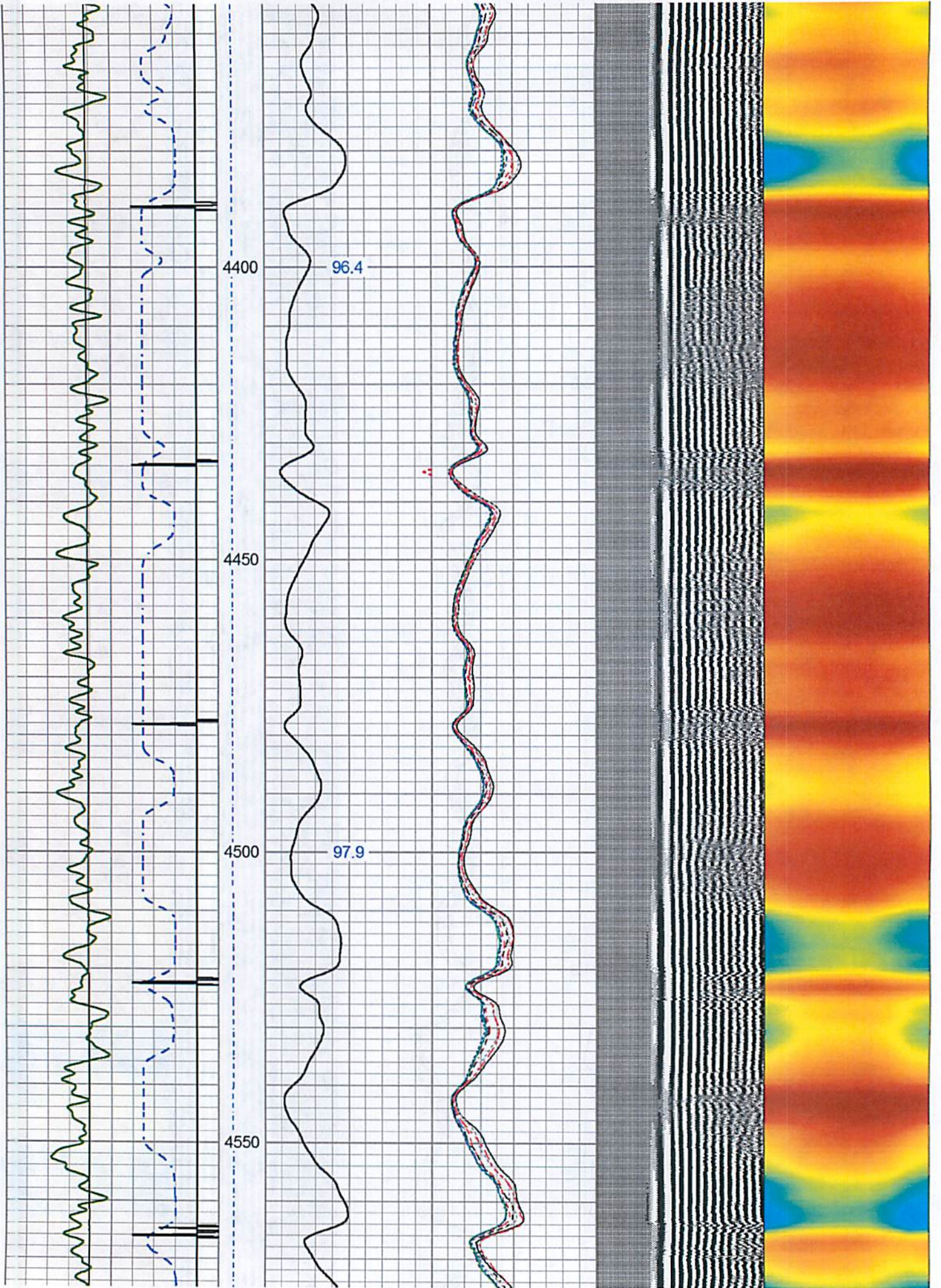


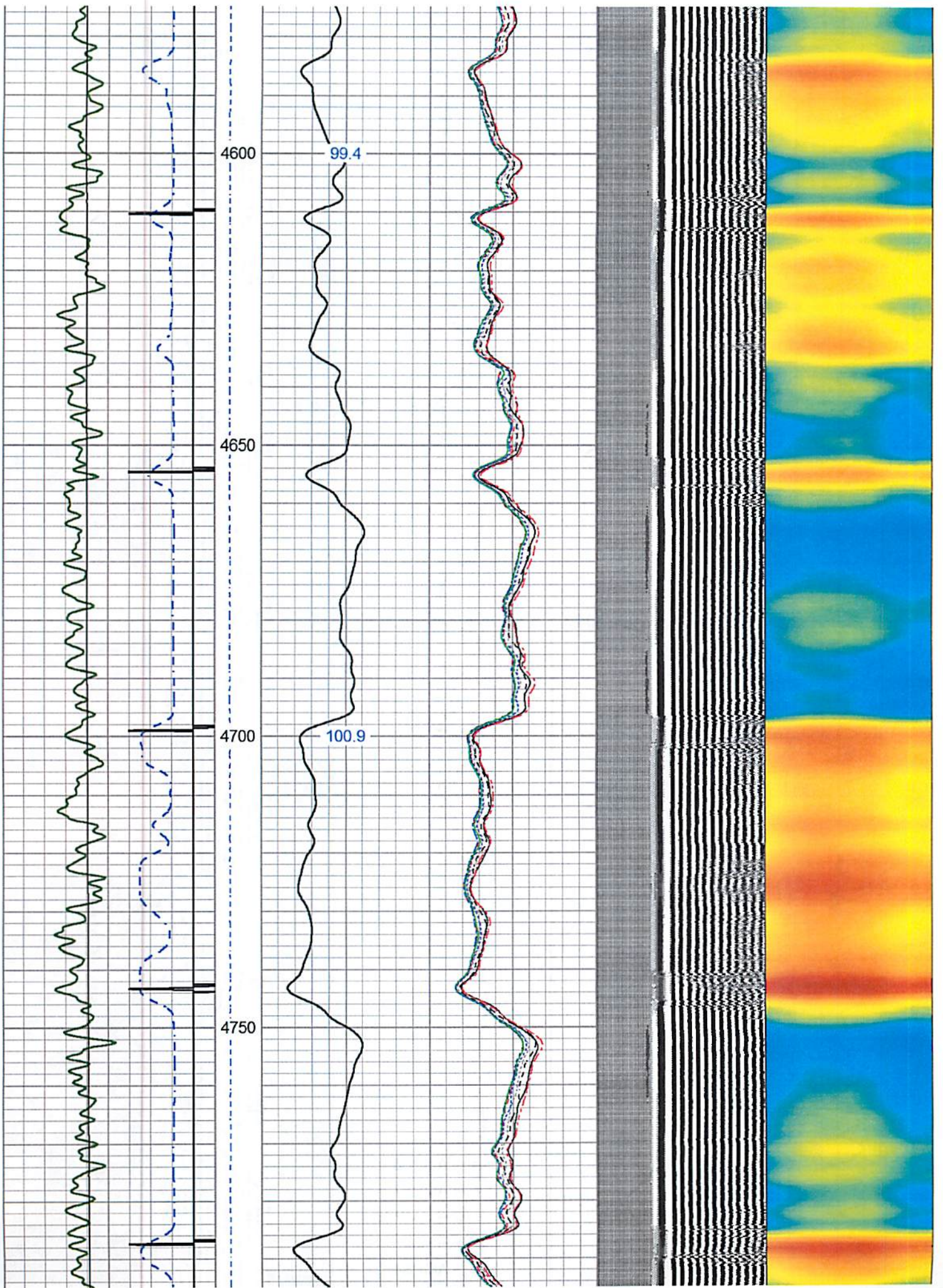


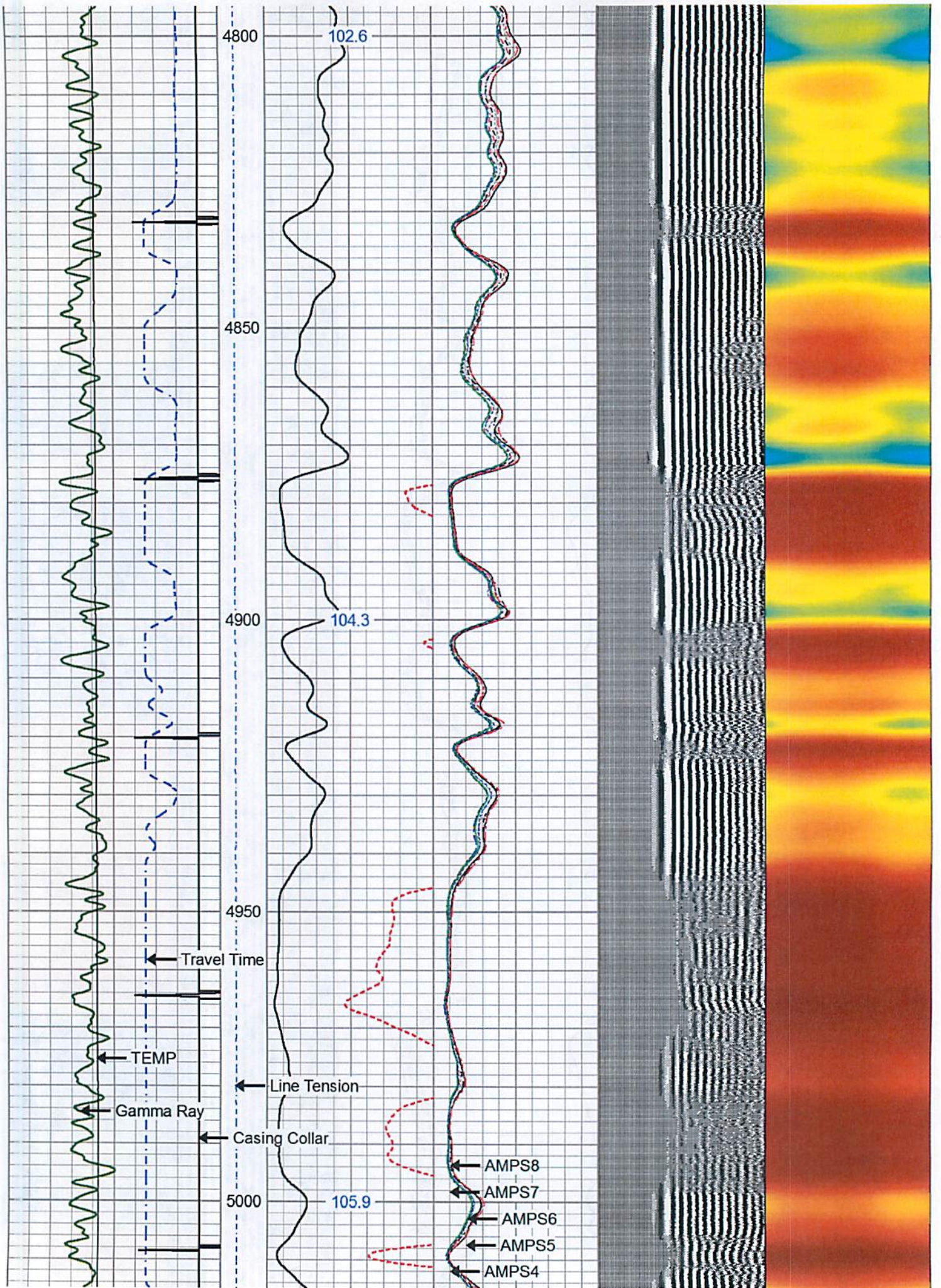


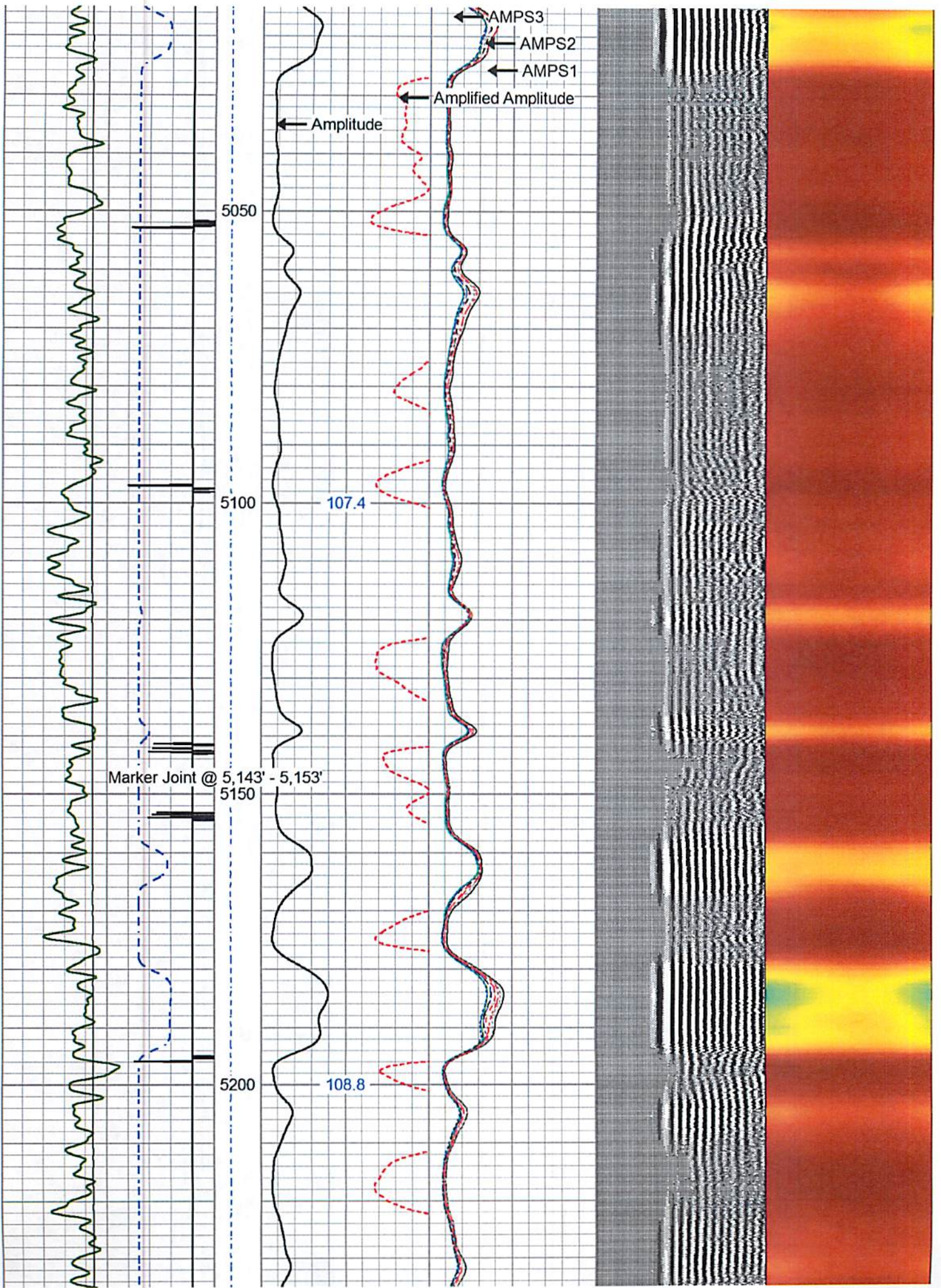


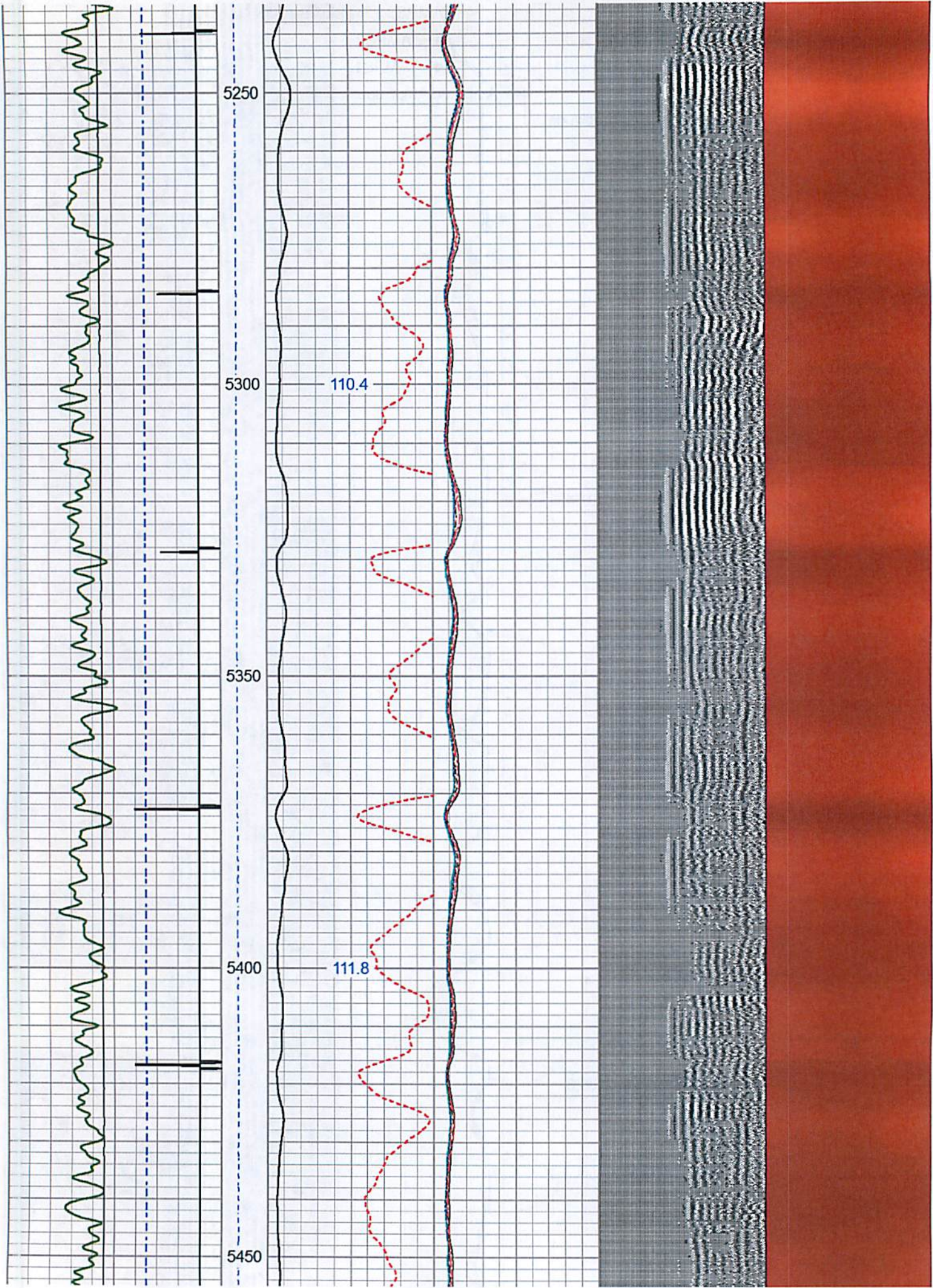


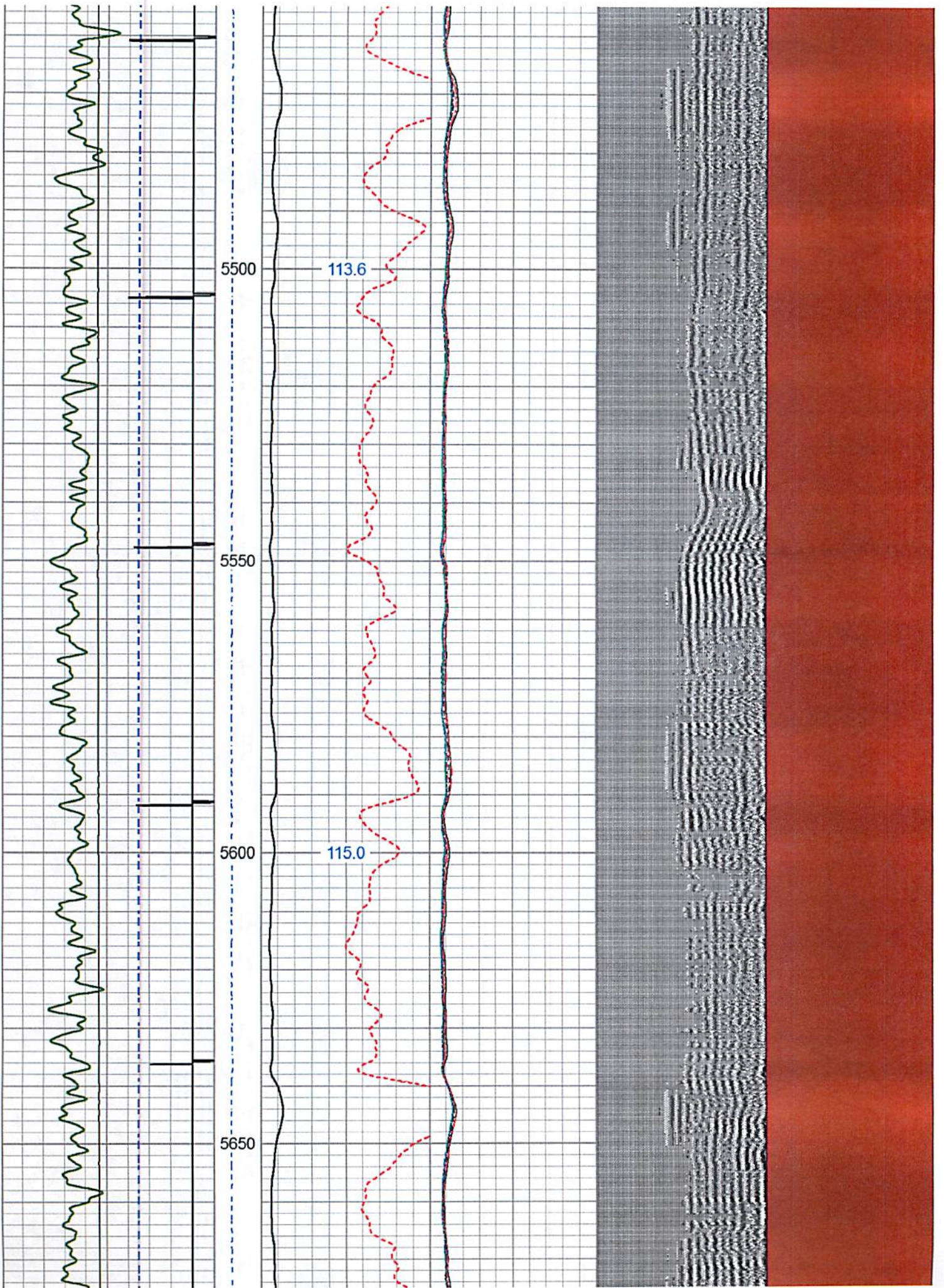


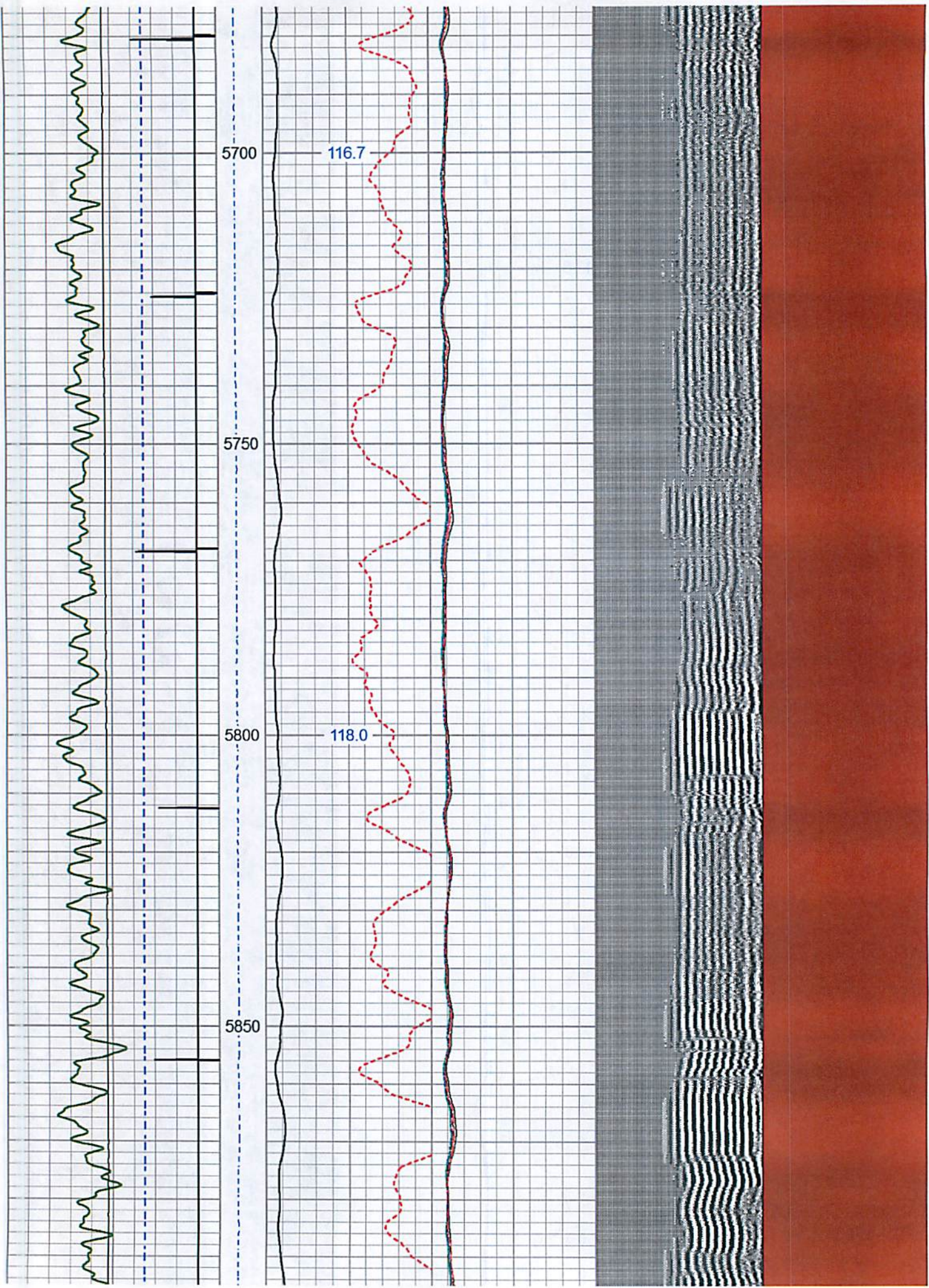


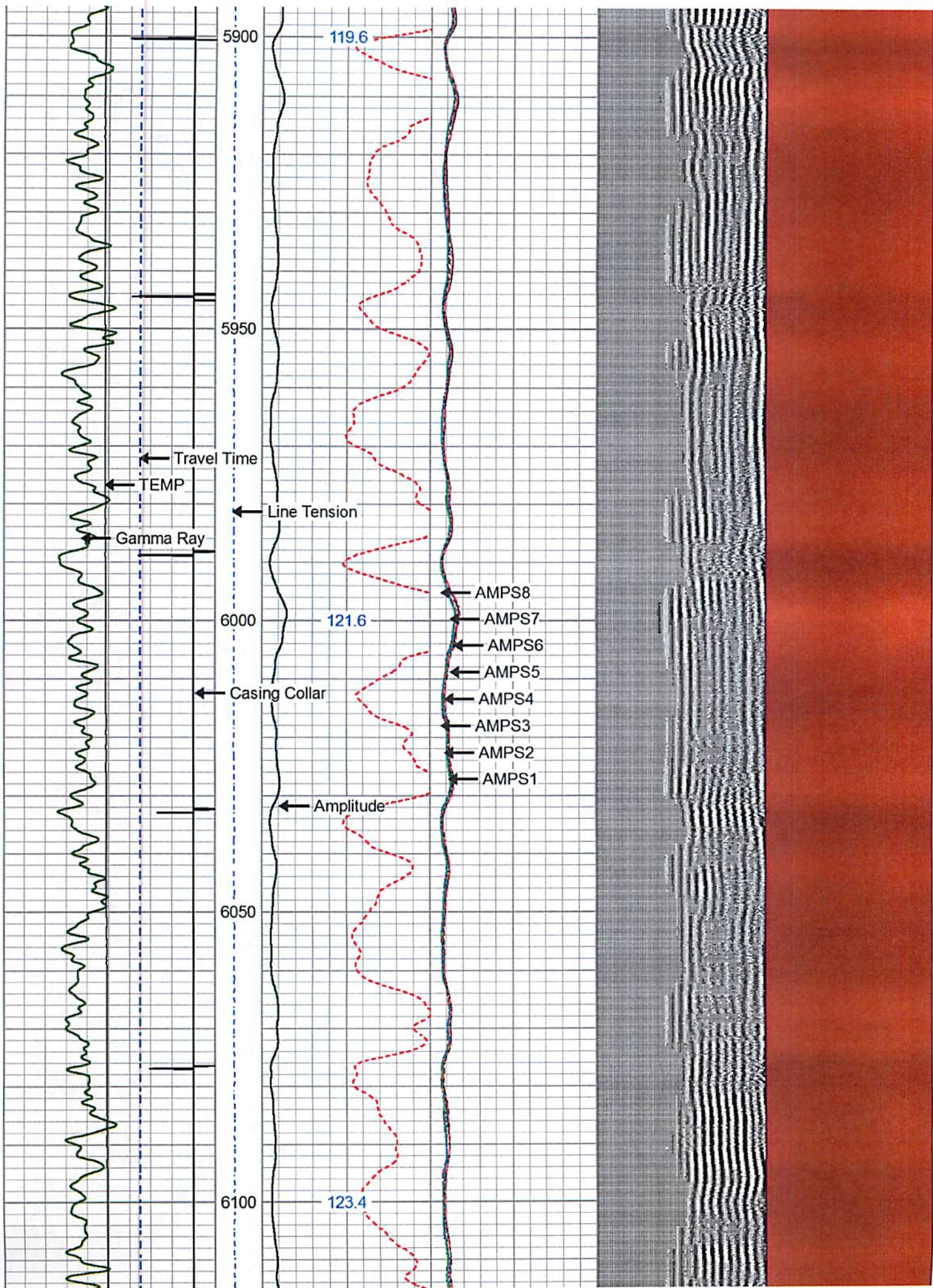


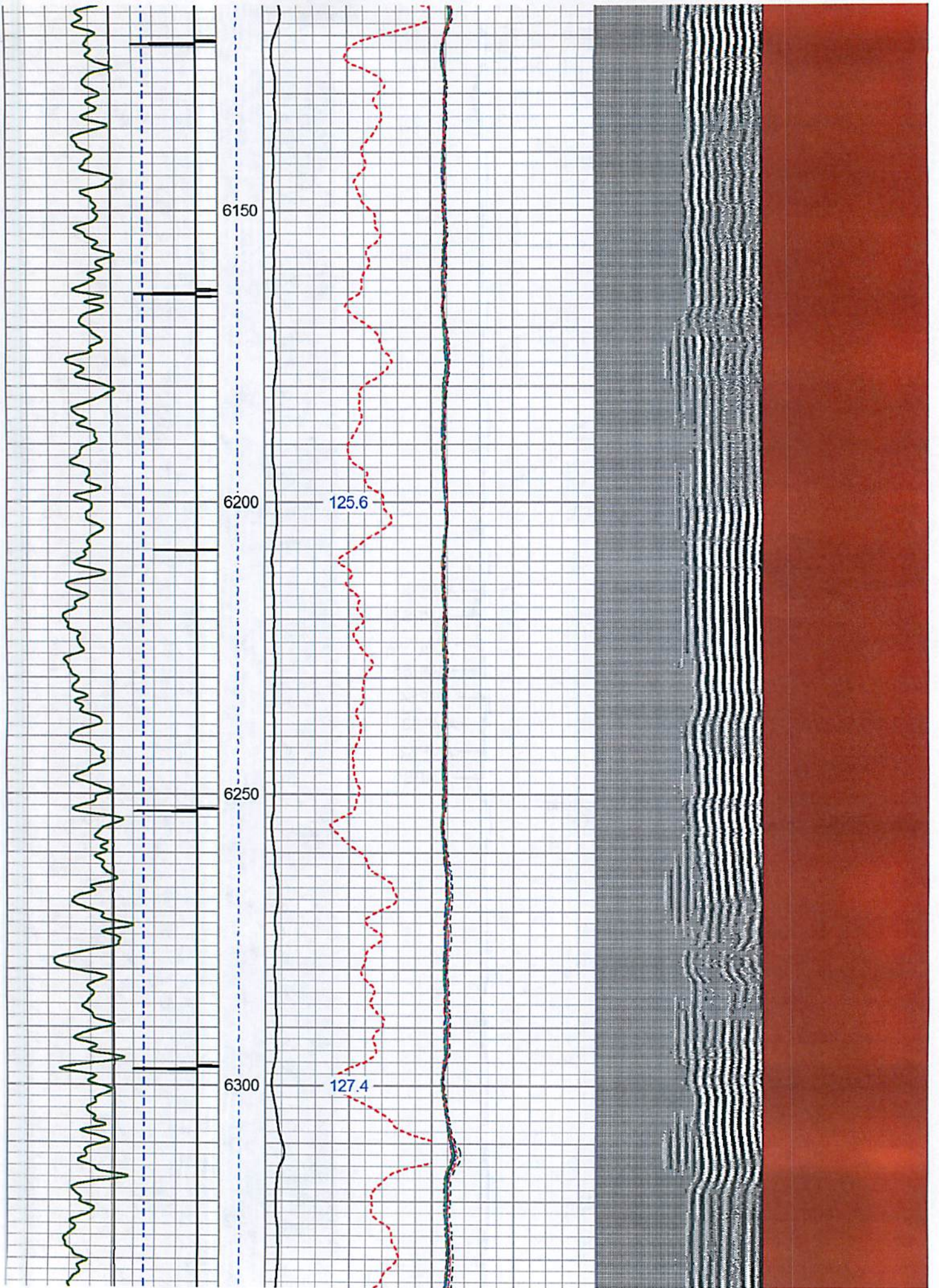


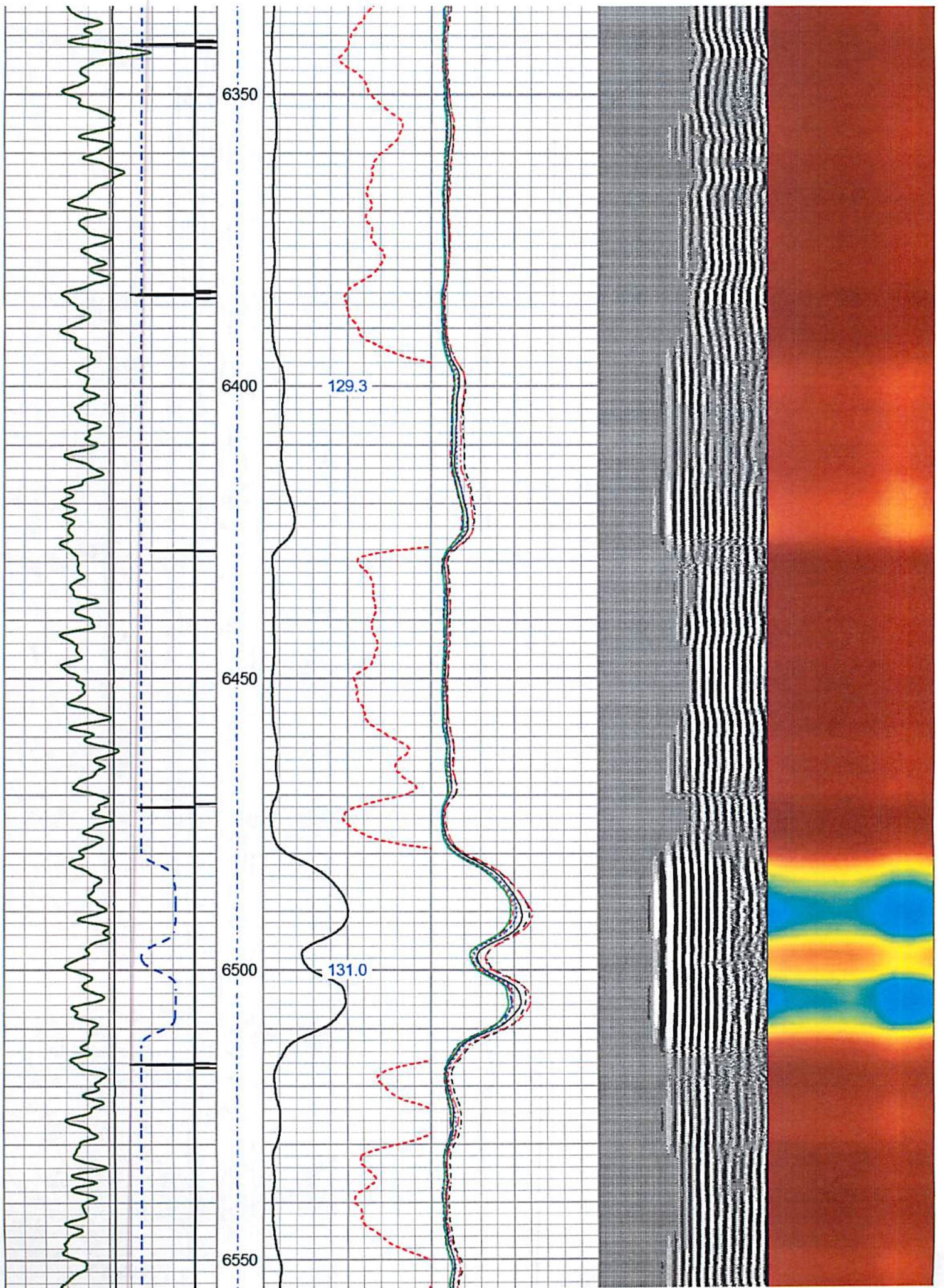


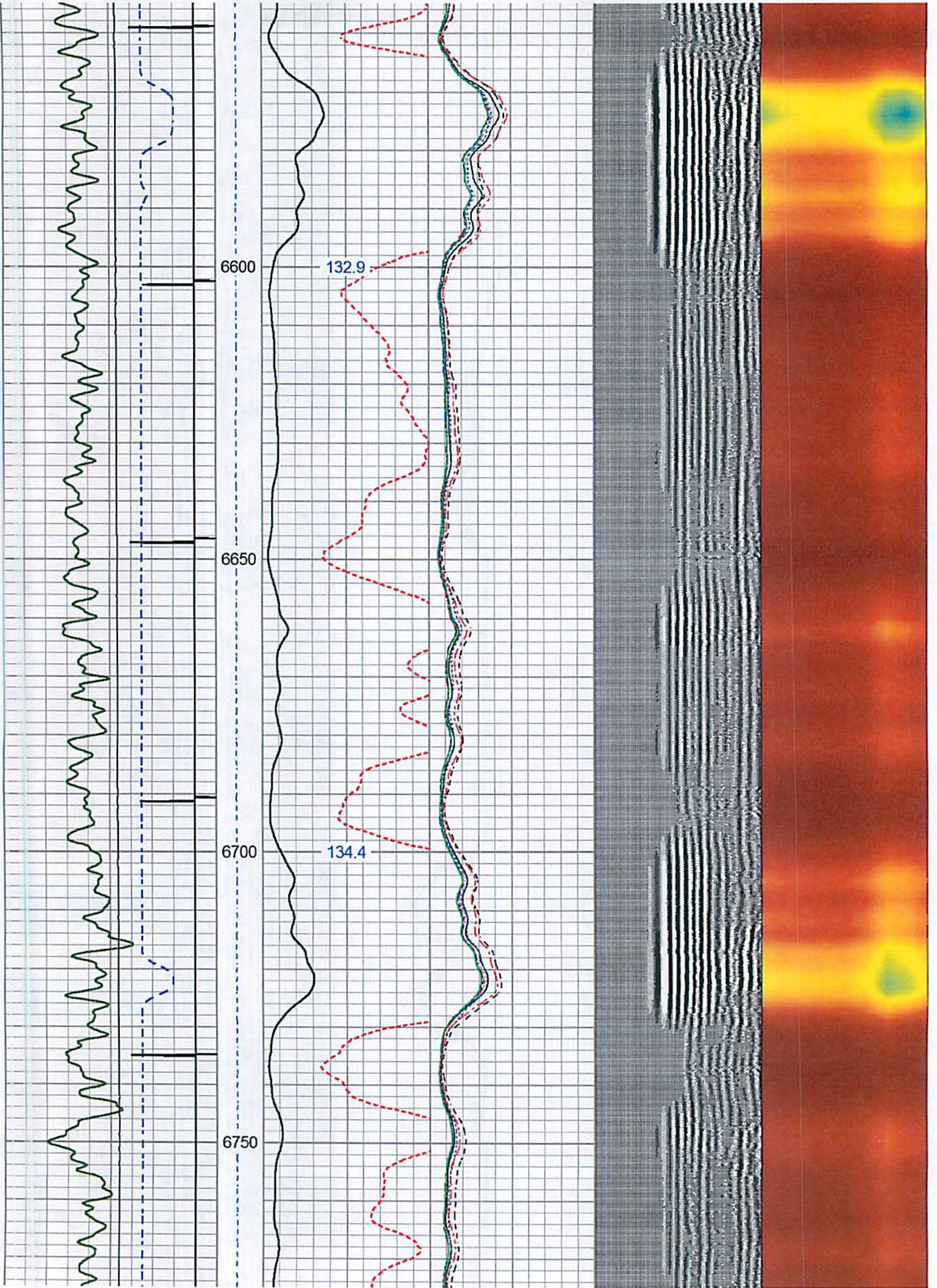


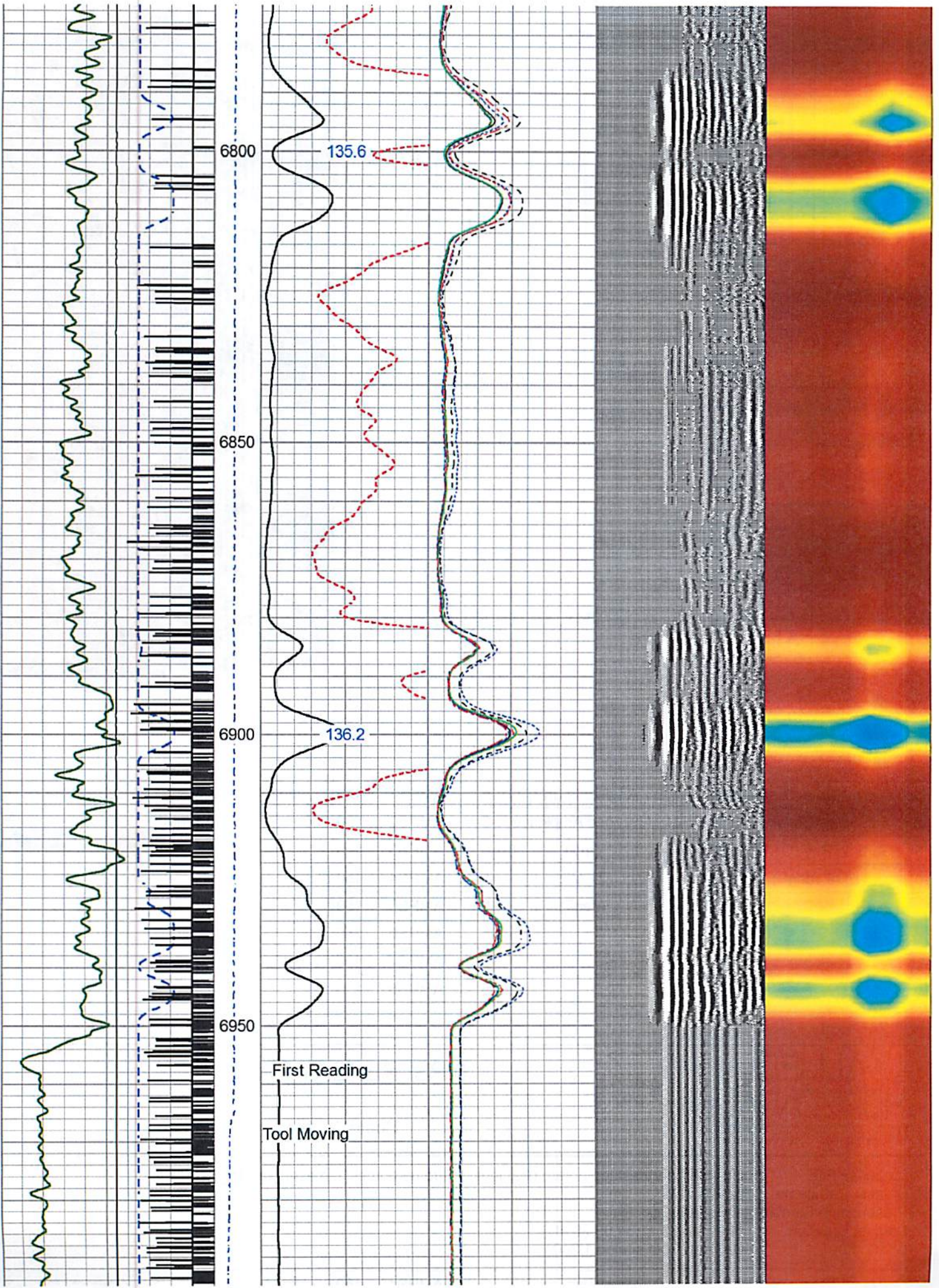


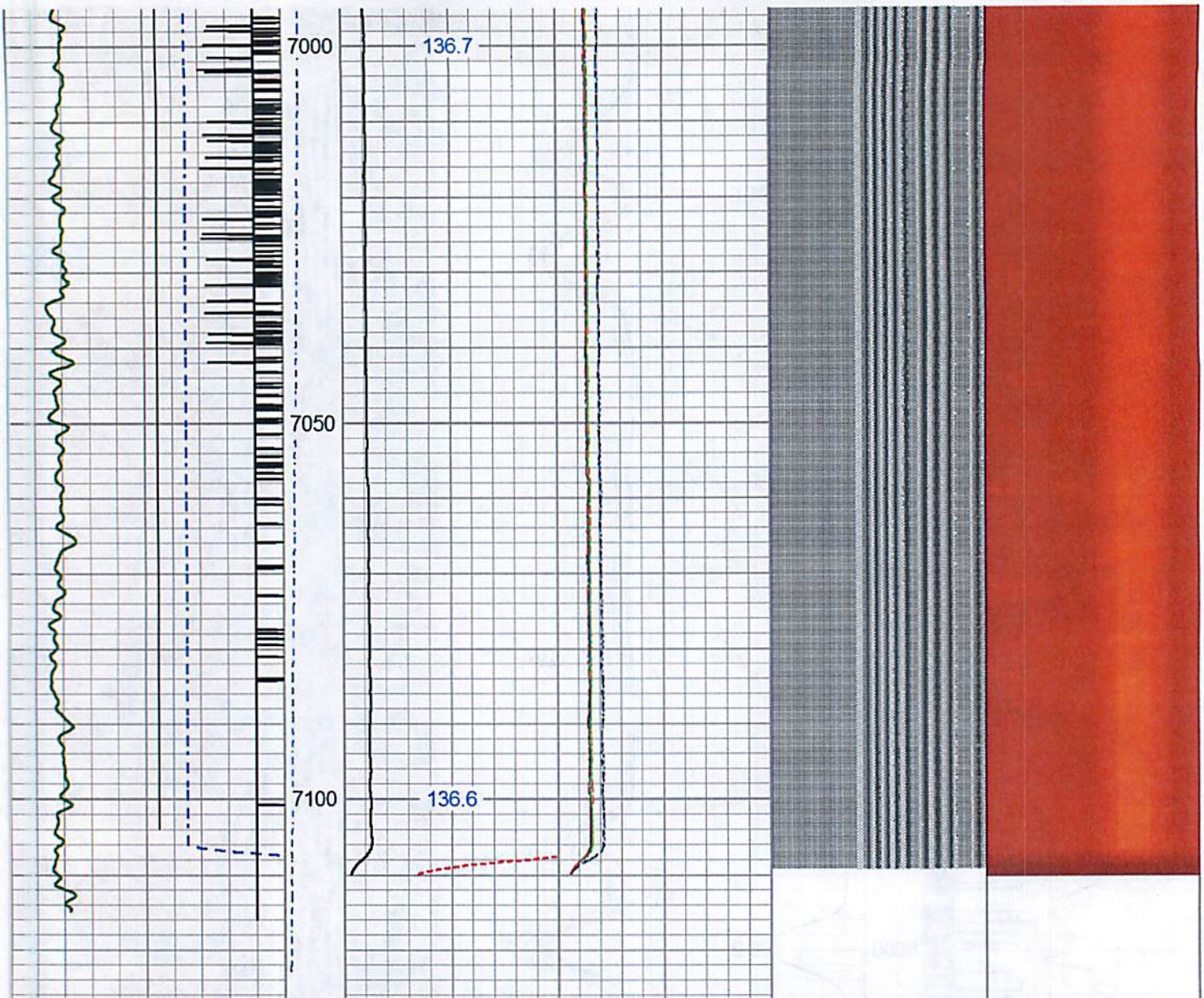












420	Travel Time (usec)	220	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	(lb)	Amplified Amplitude	-5	-5	AMPS2	150	200	1200	0	100
0	Gamma Ray (GAPI)	300	(2500)	(mV)	10	-5	AMPS3	150				
0	TEMP (degF)	250		TEMP	-5	-5	AMPS4	150				
				(degF)	-5	-5	AMPS5	150				
					-5	-5	AMPS6	150				
					-5	-5	AMPS7	150				
					-5	-5	AMPS8	150				

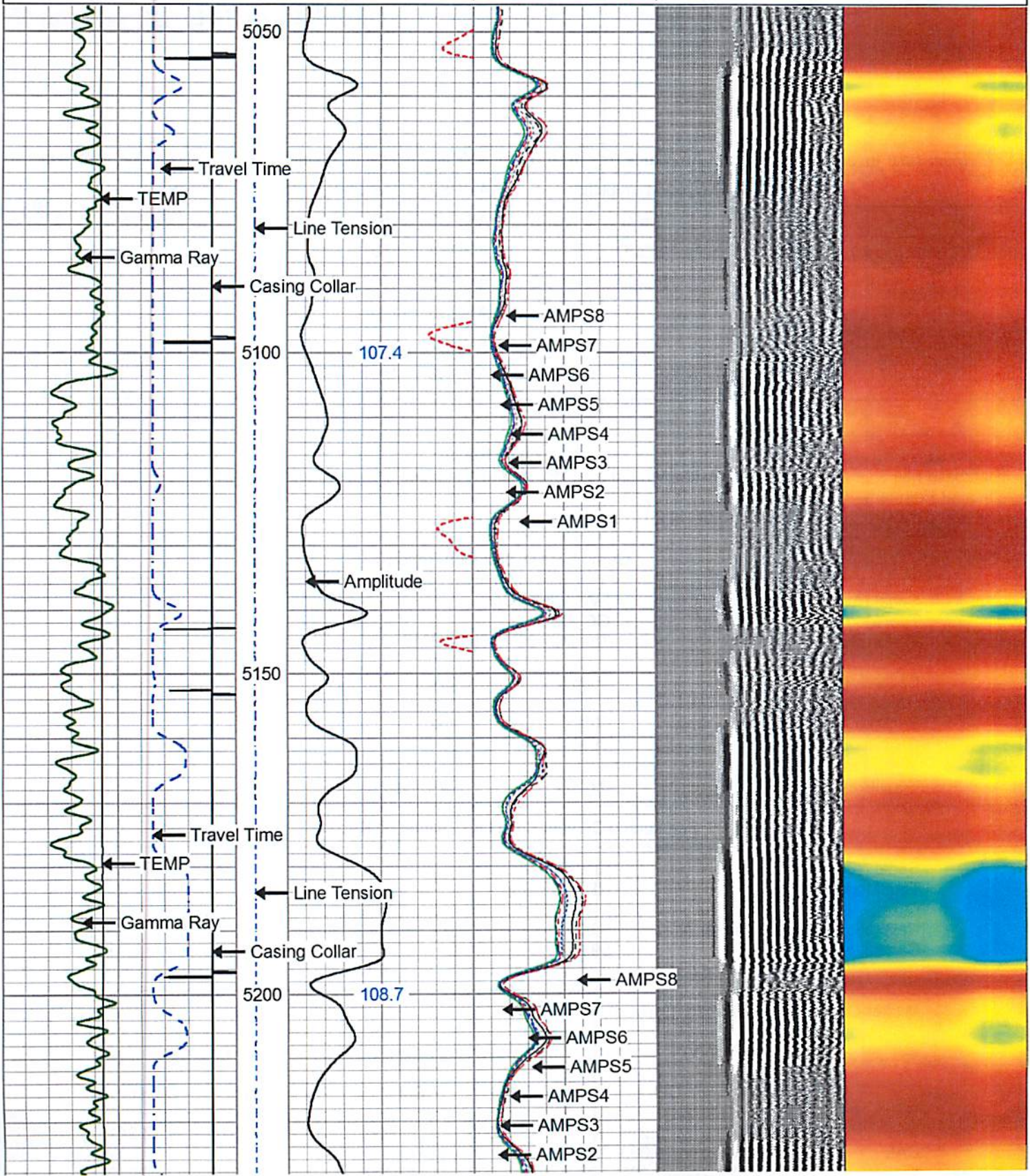
0 PSI REPEAT PASS

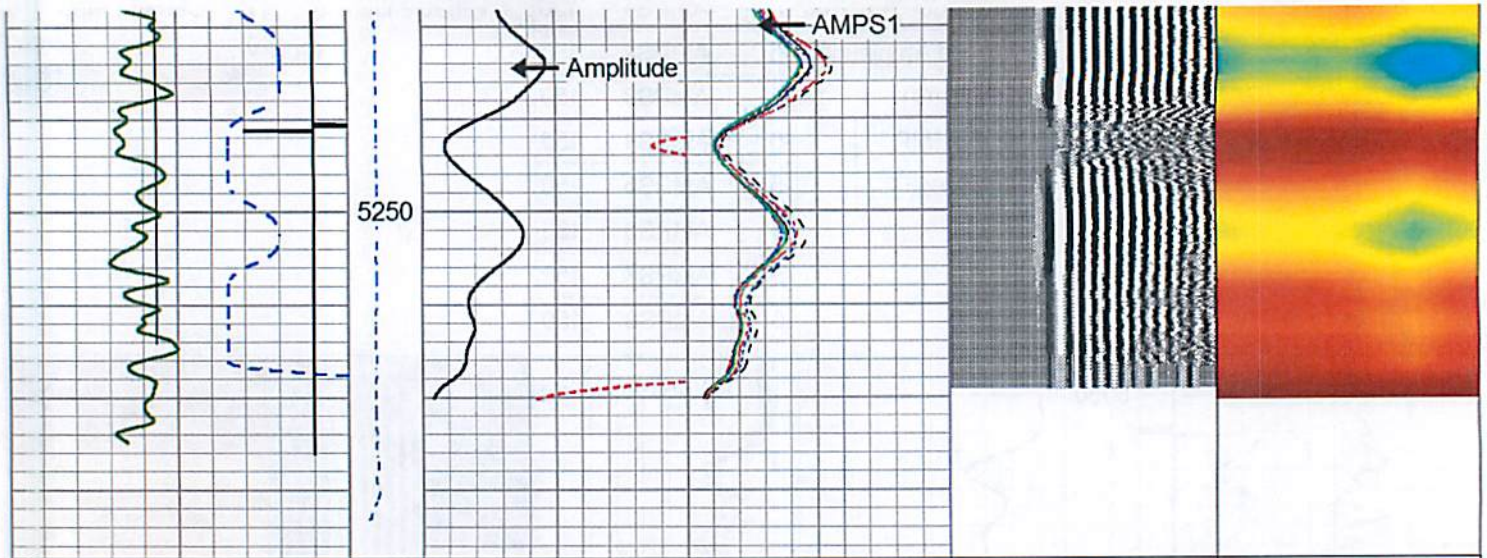
Scale 1:240

Database File c:\users\user\desktop\antero neat logs\antero resources_jameson_unit1h_rcbl.db
 Dataset Pathname pass2
 Presentation Format ahws_rcbl_jc
 Dataset Creation Thu Dec 13 11:54:09 2018
 Charted by Depth in Feet scaled 1:240

420	Travel Time (usec)	220	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density	1	Cement Map	8
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420	Travel Time (usec)	220	Amplitude (mV)	100	AMPS1	150	Variable Density	0	Cement Map	0
9	Casing Collar	-1	Amplified Amplitude	-5	AMPS2	150	200	1200	0	100
0	Gamma Ray (GAPI)	300	(mV)	10	AMPS3	150				
0	TEMP (degF)	250	TEMP	-5	AMPS4	150				
			(degF)	-5	AMPS5	150				
				-5	AMPS6	150				
				-5	AMPS7	150				
				-5	AMPS8	150				





420	Travel Time (usec)	220	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	(lb)	Amplified Amplitude		-5	AMPS2	150	200	1200	0	100
0	Gamma Ray (GAPI)	300	(2500)	(mV)	10	-5	AMPS3	150				
0	TEMP (degF)	250		TEMP		-5	AMPS4	150				
				(degF)		-5	AMPS5	150				
						-5	AMPS6	150				
						-5	AMPS7	150				
						-5	AMPS8	150				

Calibration Report

Database File c:\users\user\desktop\antero neat logs\antero resources_jameson_unit1h_rcbl.db
 Dataset Pathname Main Pass
 Dataset Creation Thu Dec 13 13:54:44 2018

Gamma Ray Calibration Report

Serial Number: FW1408-38 Corr
 Tool Model: GC_C3
 Performed: Thu May 25 15:00:07 2017
 Calibrator Value: 1636.0 GAPI
 Background Reading: 40.1 cps
 Calibrator Reading: 1964.2 cps
 Sensitivity: 0.8503 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1406-126
 Tool Model: RBTC3 Temp
 Calibration Casing Diameter: 5.500 in
 Calibration Depth: 593.242 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.007	0.216	1.000	72.000	318.622	3.241
CAL	-0.010	0.383				
5'	0.006	0.105	1.000	70.000	354.052	3.040

3'	-0.000	0.193	1.000	12.000	334.033	3.010
SUM						
S1	-0.007	0.223	0.000	100.000	433.799	3.073
S2	-0.007	0.222	0.000	100.000	436.573	3.082
S3	-0.007	0.219	0.000	100.000	441.020	3.207
S4	-0.007	0.214	0.000	100.000	451.268	3.270
S5	-0.007	0.209	0.000	100.000	462.916	3.185
S6	-0.007	0.207	0.000	100.000	467.543	3.256
S7	-0.007	0.213	0.000	100.000	454.442	3.308
S8	-0.007	0.216	0.000	100.000	446.894	3.285

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.010	0.383	1.000	0.000

Air Zero Calibration, performed Thu Feb 15 08:40:59 2018:

	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	

Log Variables

Database: users\user\desktop\antero neat logs\antero resources_jameson_unit1h_rcbl.db
 Dataset field/well/run1/Main Pass/_vars_


Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in 8.625	degF 136	in 5.5	in 0.415	lb/ft 23	mV 72	mV 1
MINATTN	PERFS	PPT	SRFTEMP	TDEPTH			
db/ft 0.8	0	usec 260	degF 40	ft 0			

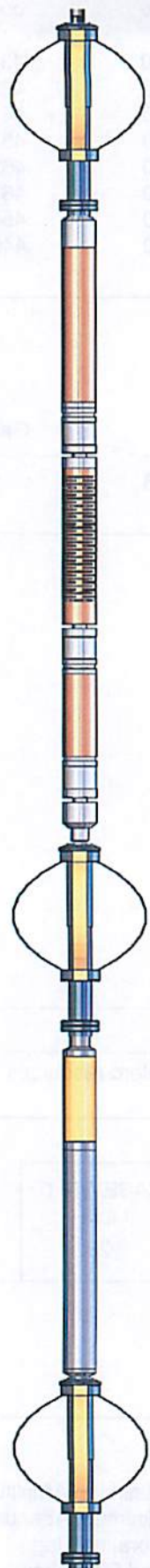
Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
 BOREID : Borehole I.D.
 BOTTEMP : Bottom Hole Temperature
 CASEOD : Casing O.D.
 CASETHCK : Casing Thickness
 CASEWGHT : Casing Weight
 MAXAMPL : Maximum Amplitude

MINAMPL : Minimum Amplitude
 MINATTN : Minimum Attenuation
 PERFS : Perforation Flag
 PPT : Predicted Pipe Time
 SRFTEMP : Surface Temperature
 TDEPTH : Total Depth

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD (GOI)	1.00	1.69	10.00

Standard Cable Head



CENT-Probe275
Probe 2.75" 4 Arm Bow Spring Centralizer

2.88 1.69 36.00

Temp 17.35

RBT-RBTC3 Temp (FW1406-126)
Probe 2.75" Corrosion RCBL With Integral Temp Sub

9.39 2.75 90.00

WVFS8 15.12
WVFS7 15.12
WVFS6 15.12
WVFS5 15.12
WVFS4 15.12
WVFS3 15.12
WVFS2 15.12
WVFS1 15.12
WVFCAL 15.12
WV3FT 15.12
WV5FT 14.12

CENT-Probe275
Probe 2.75" 4 Arm Bow Spring Centralizer

2.88 1.69 36.00

CCL 7.09

GR 6.01

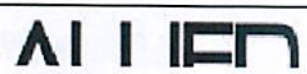
GR-GC_C3 (FW1408-38 Corr)
Probe 2.75" Gamma Ray-CCL Corrosion Modified

5.10 2.75 55.00

CENT-Probe275
Probe 2.75" 4 Arm Bow Spring Centralizer

2.88 1.69 36.00

Dataset: antero_resources_jameson_unit1h_rcbl.db: field/well/run1/Main Pass
Total length: 24.15 ft
Total weight: 263.00 lb
O.D.: 2.75 in



Company Antero Resources



Well	Jameson 1H
Field	Marcellus
County	Tyler
State	West Virginia

Country