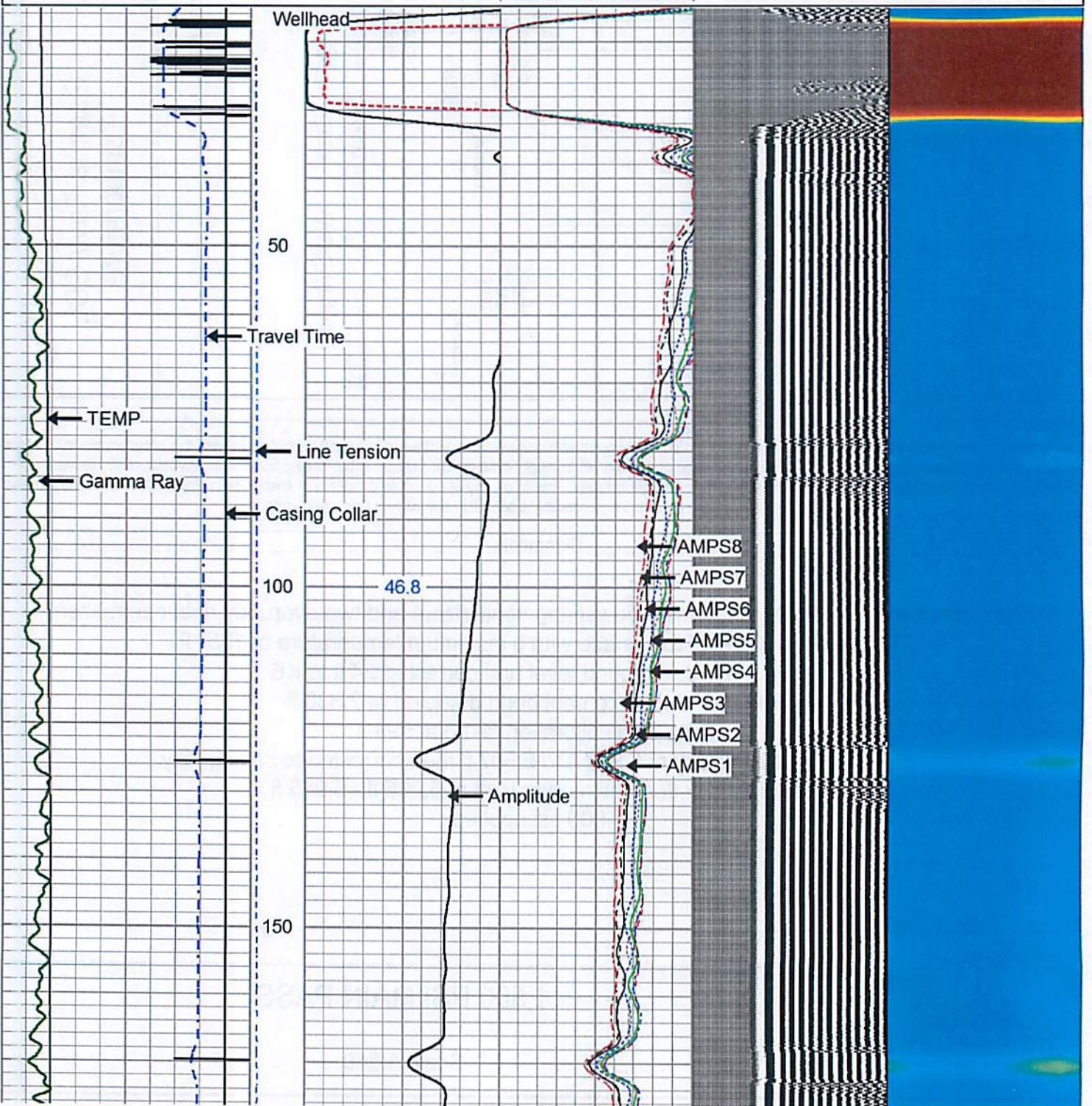




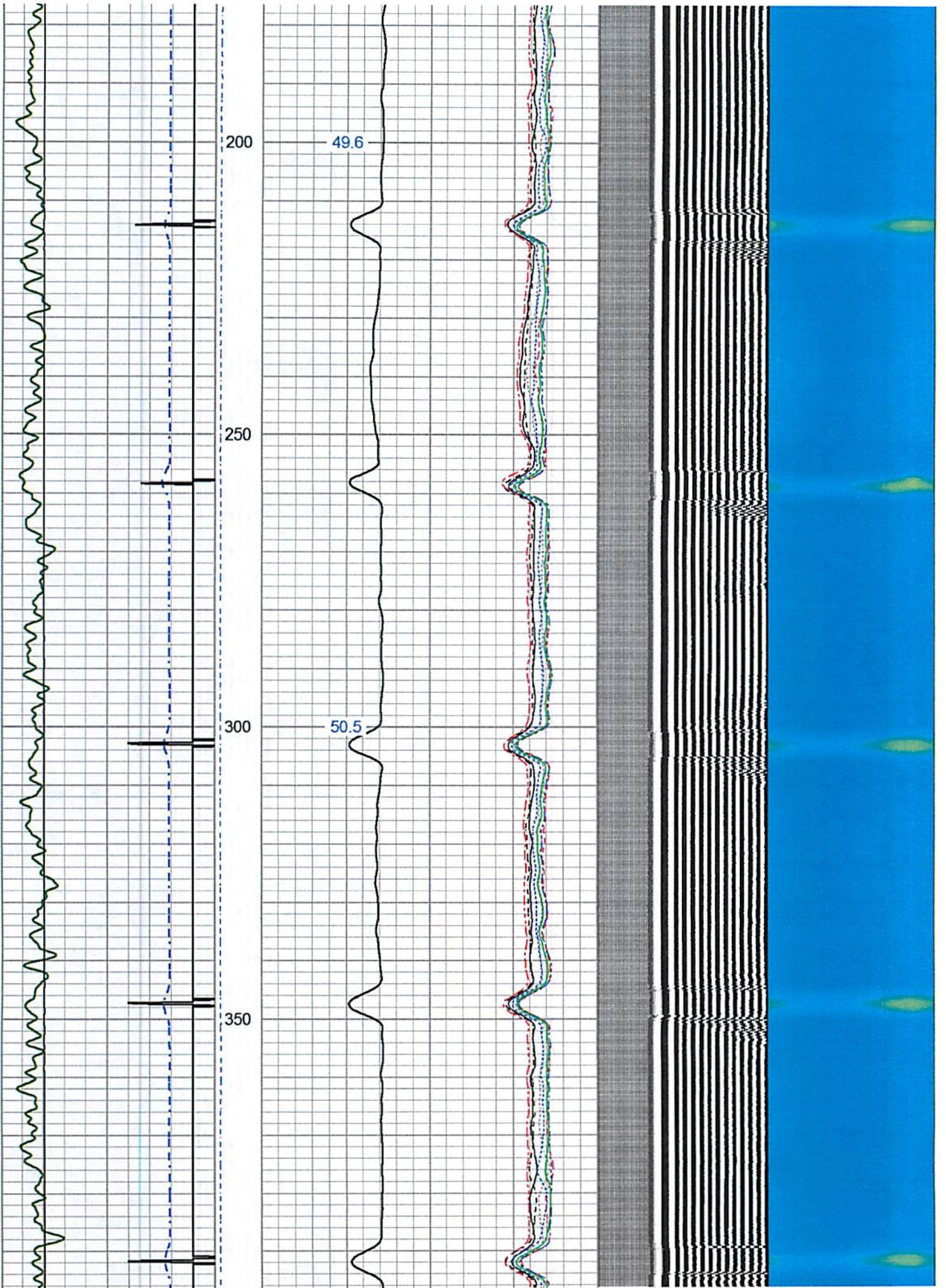


Database File c:\users\user\desktop\antero neat logs\antero resources\_jim unit 1h\_rchl.db  
 Dataset Pathname Main Pass  
 Presentation Format ahws\_rchl\_jc  
 Dataset Creation Thu Dec 13 10:23:09 2018  
 Charted by Depth in Feet scaled 1:240

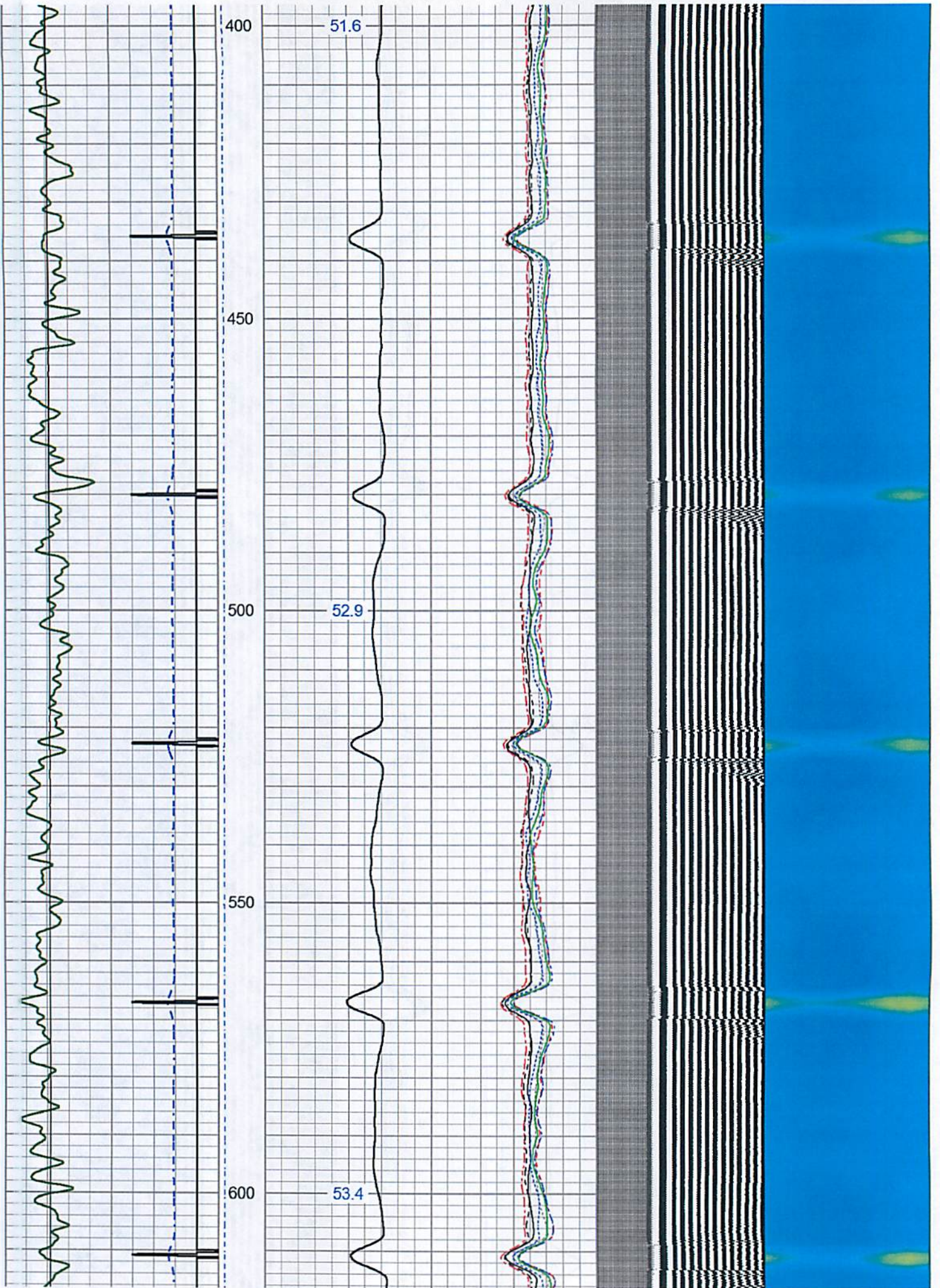
420	Travel Time (usec)	220	0	Amplitude (mV)	100	-5	AMPS1	150	Variable Density	1	Cement Map	8
9	Casing Collar	-1	(lb)	Amplified Amplitude	-5	AMPS2	150	200				
0	Gamma Ray (GAPI)	300	(2500)	(mV)	10	-5	AMPS3	150				
0	TEMP (degF)	250		TEMP		-5	AMPS4	150				
				(degF)		-5	AMPS5	150				
						-5	AMPS6	150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



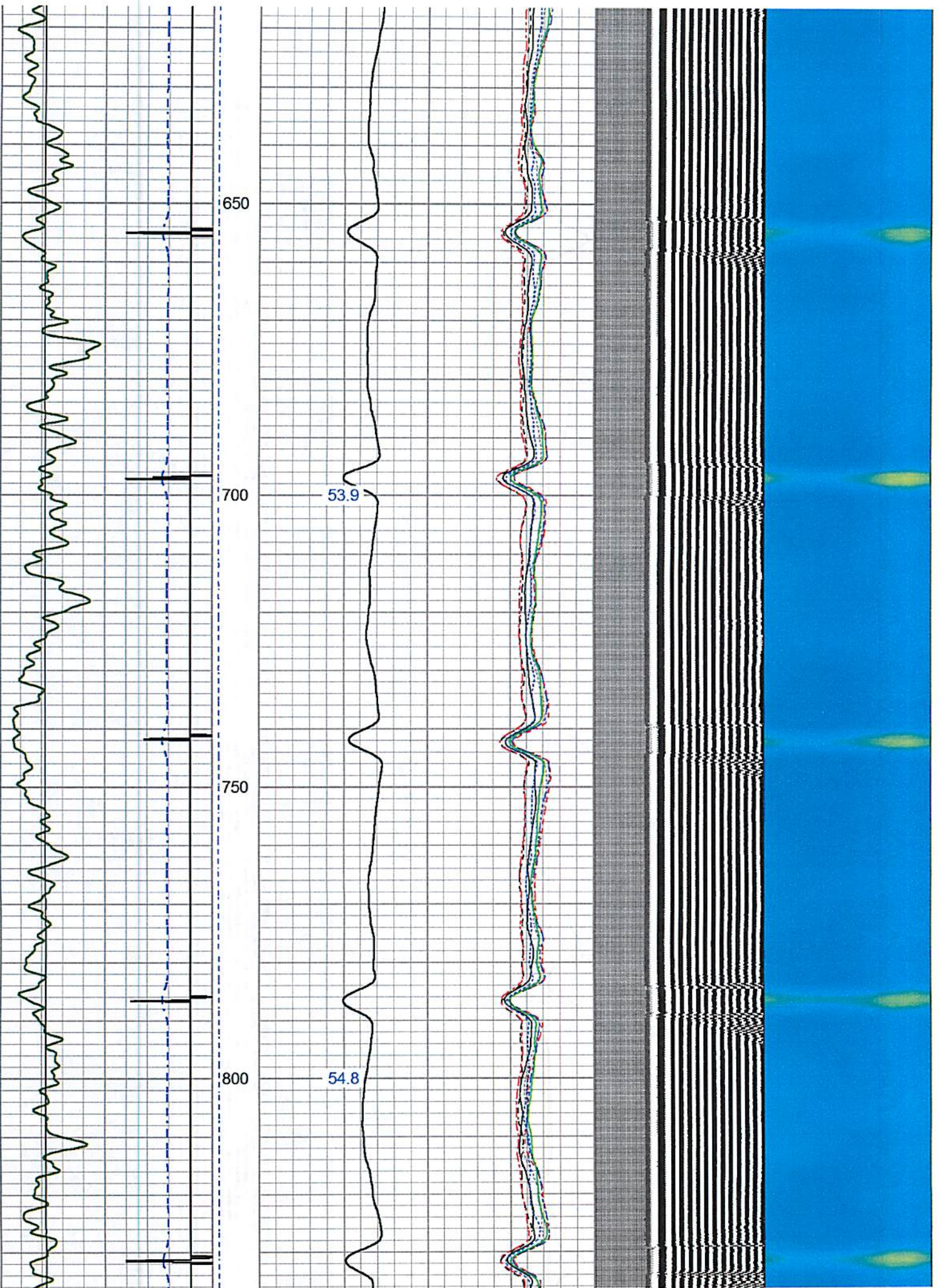




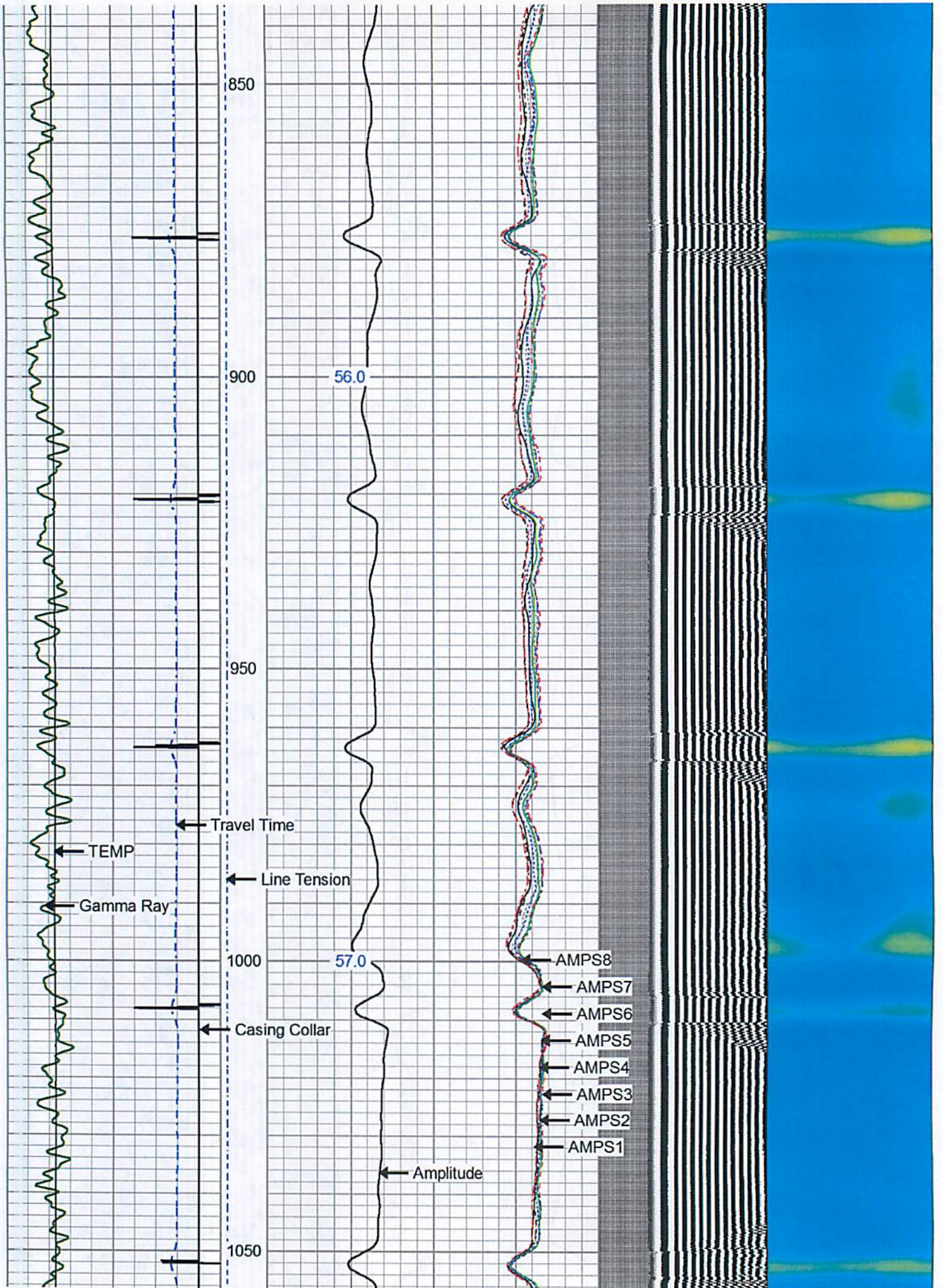




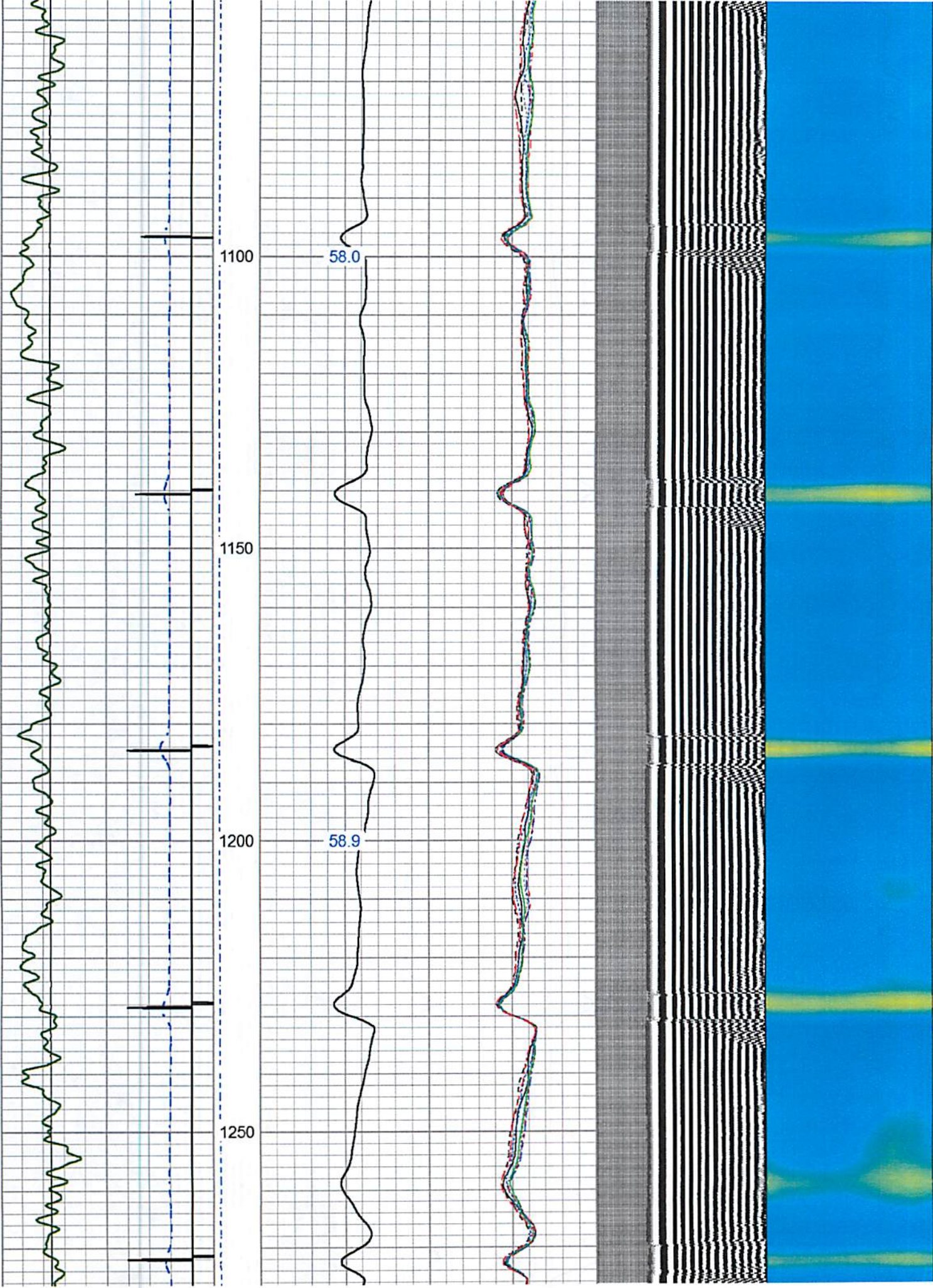




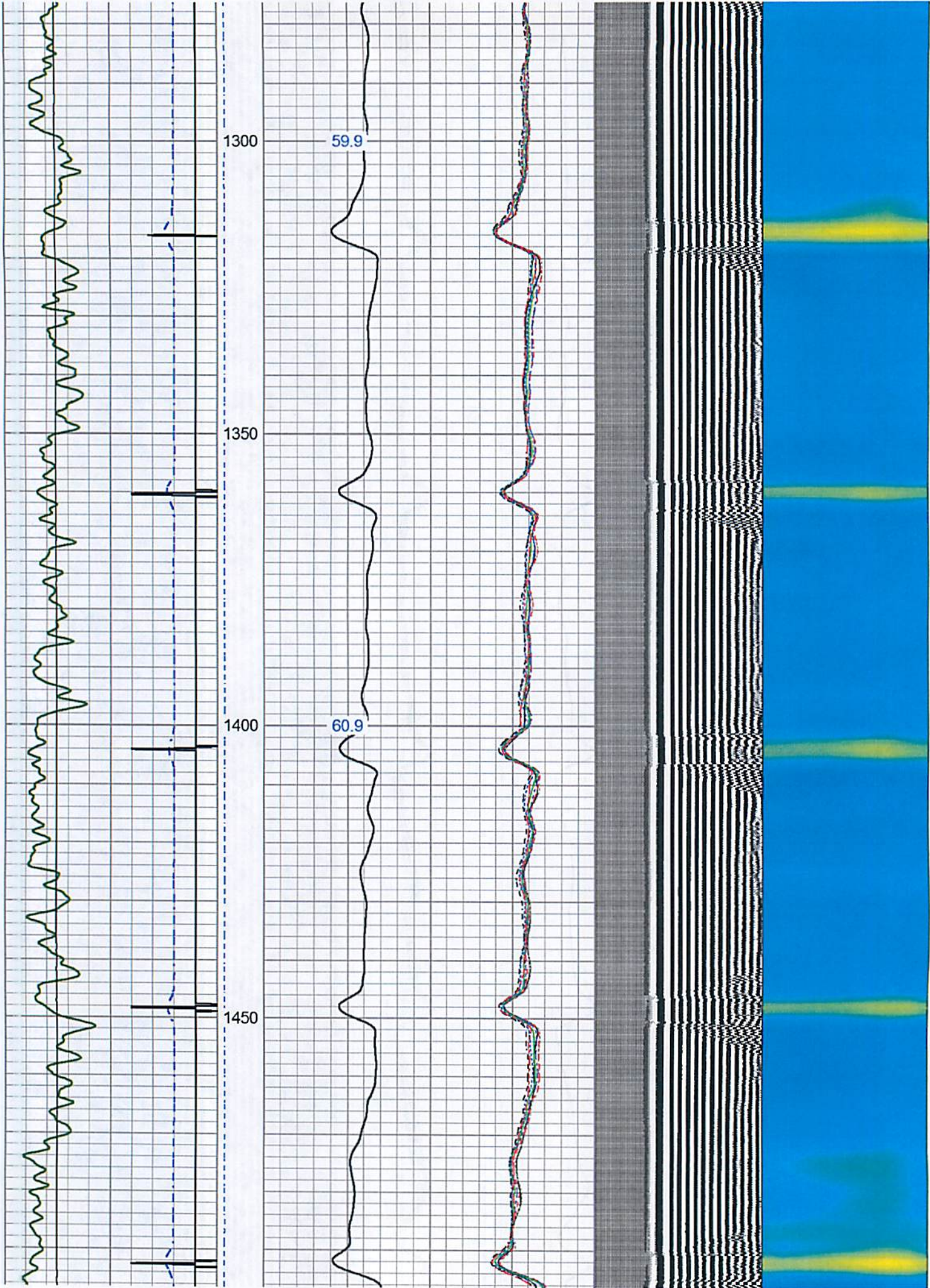




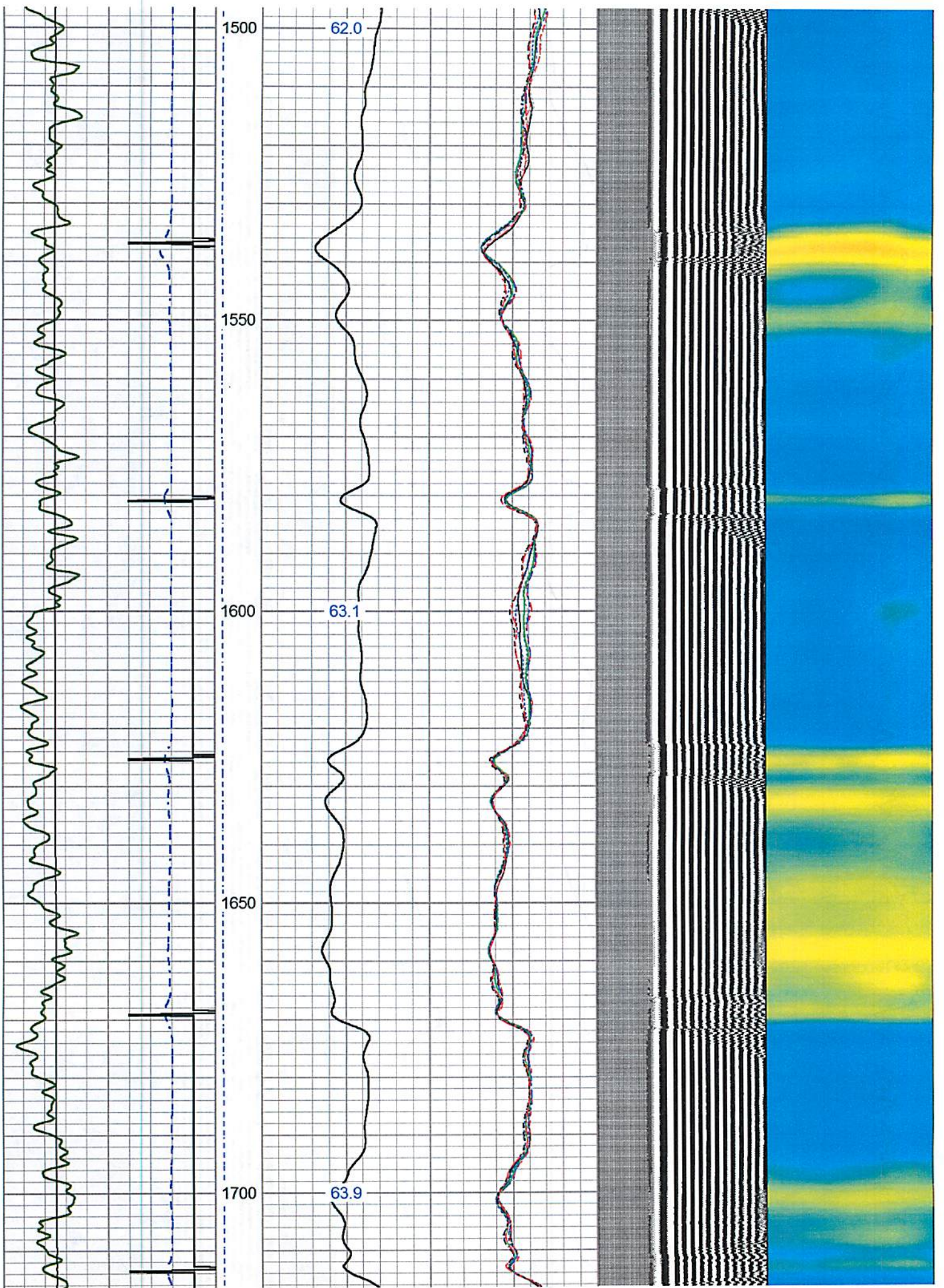




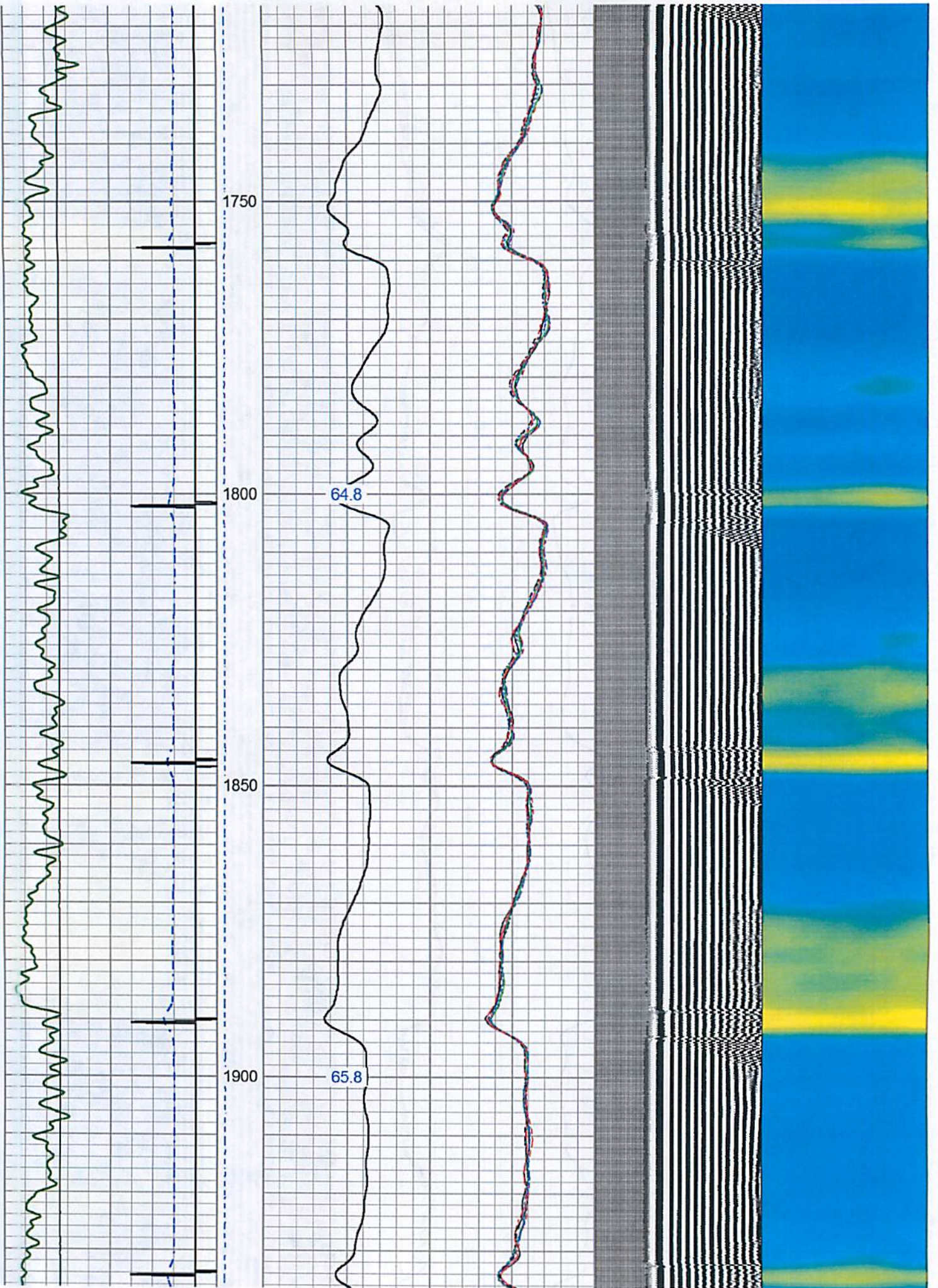




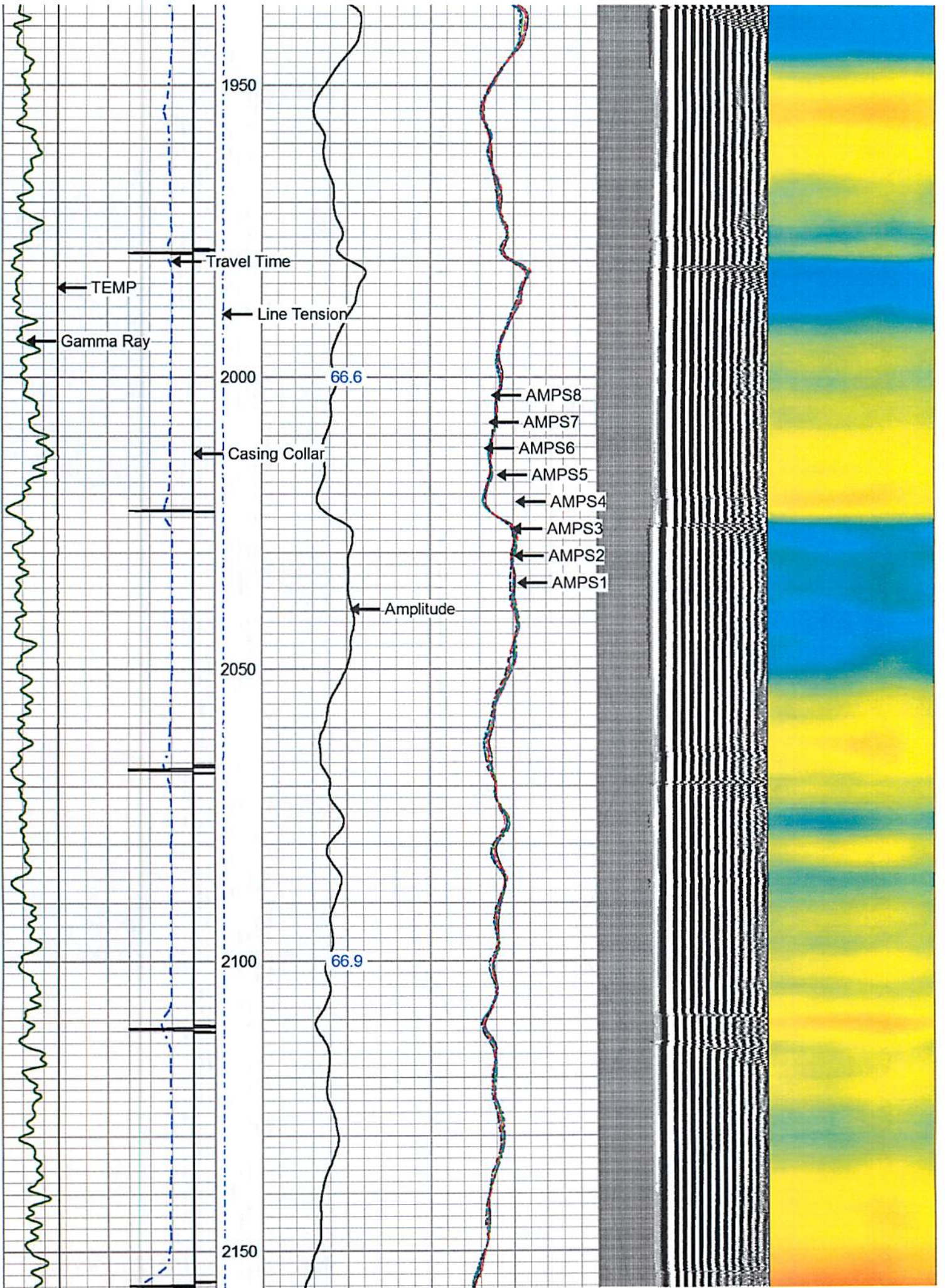




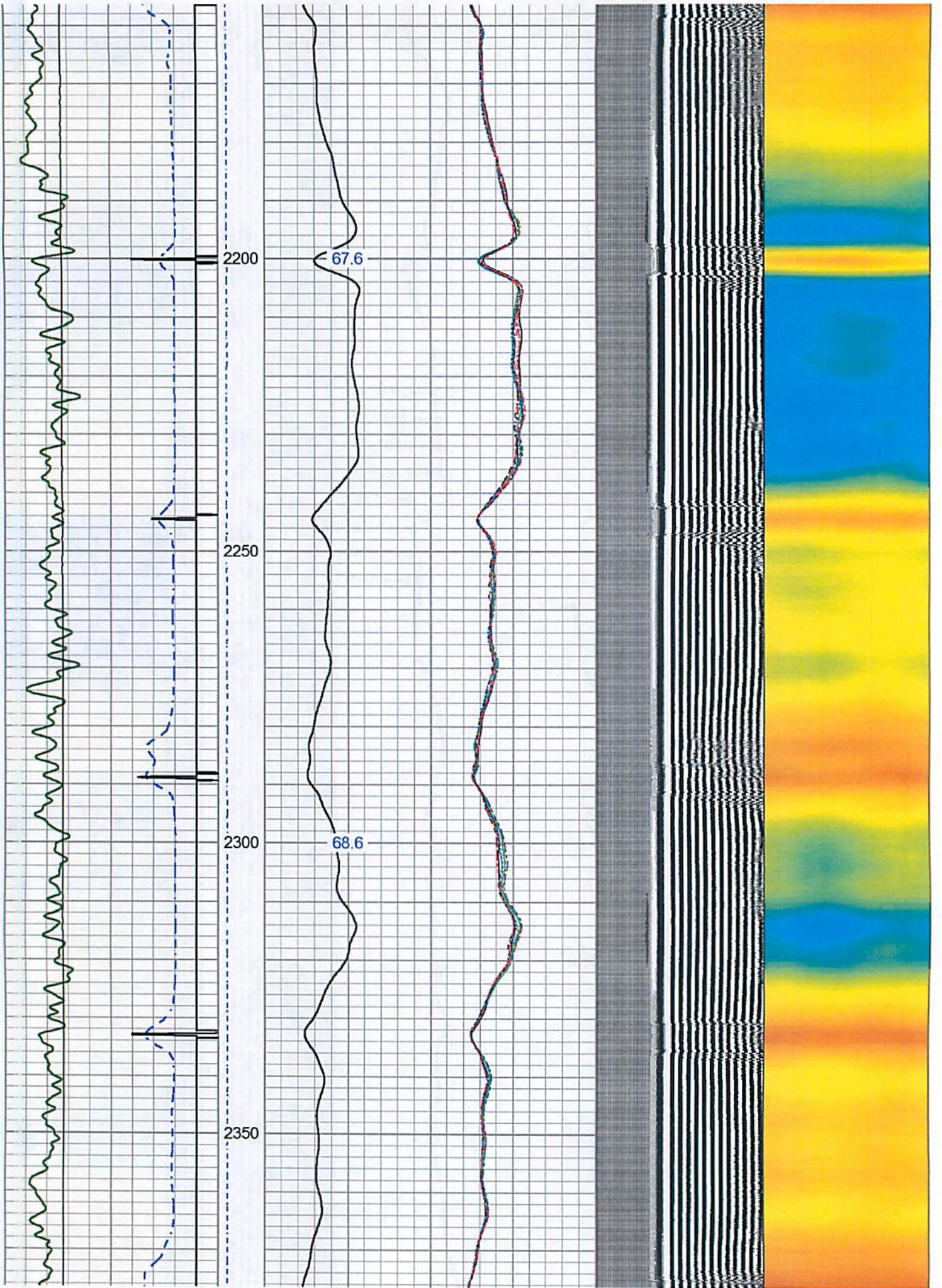




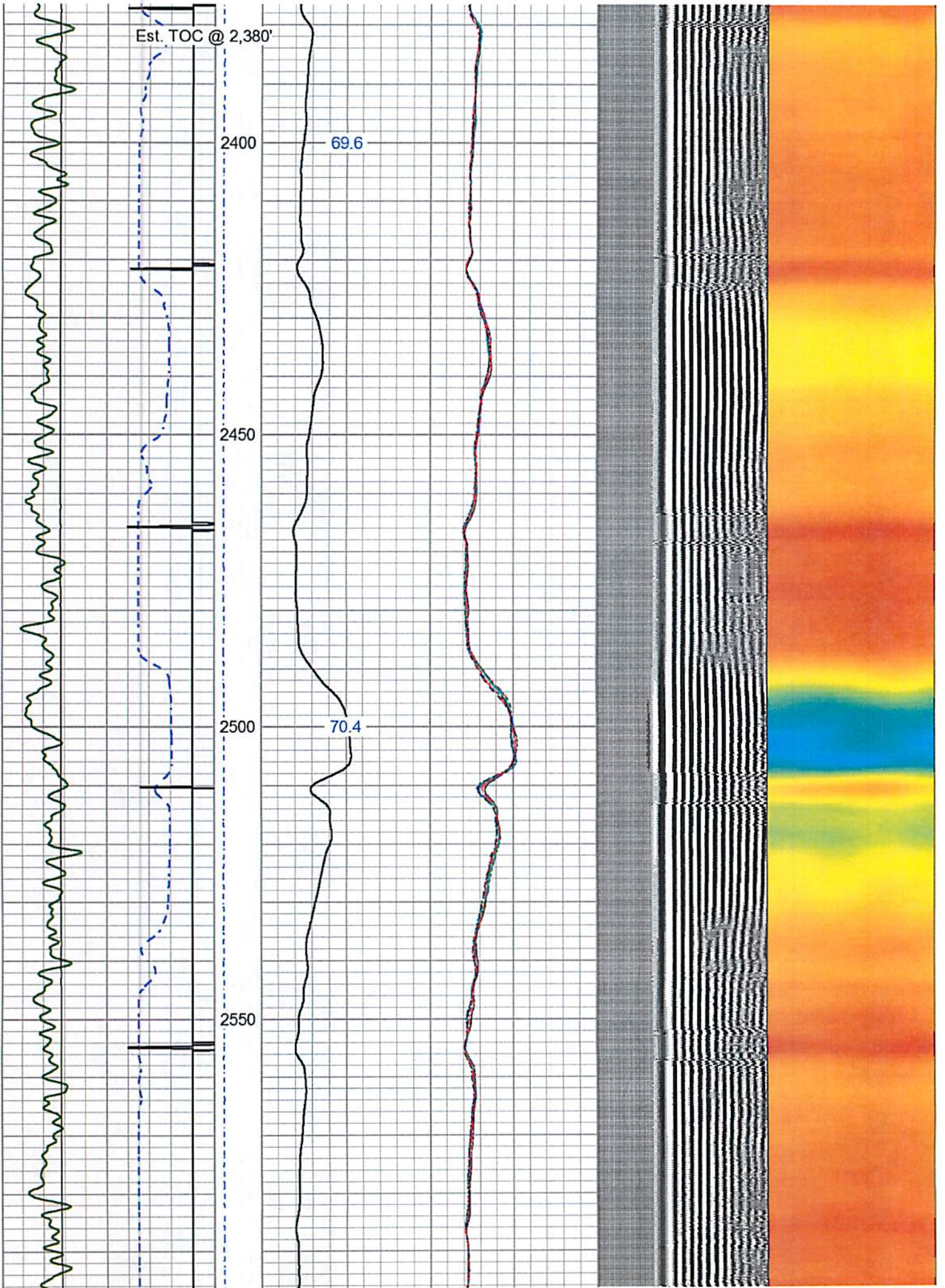




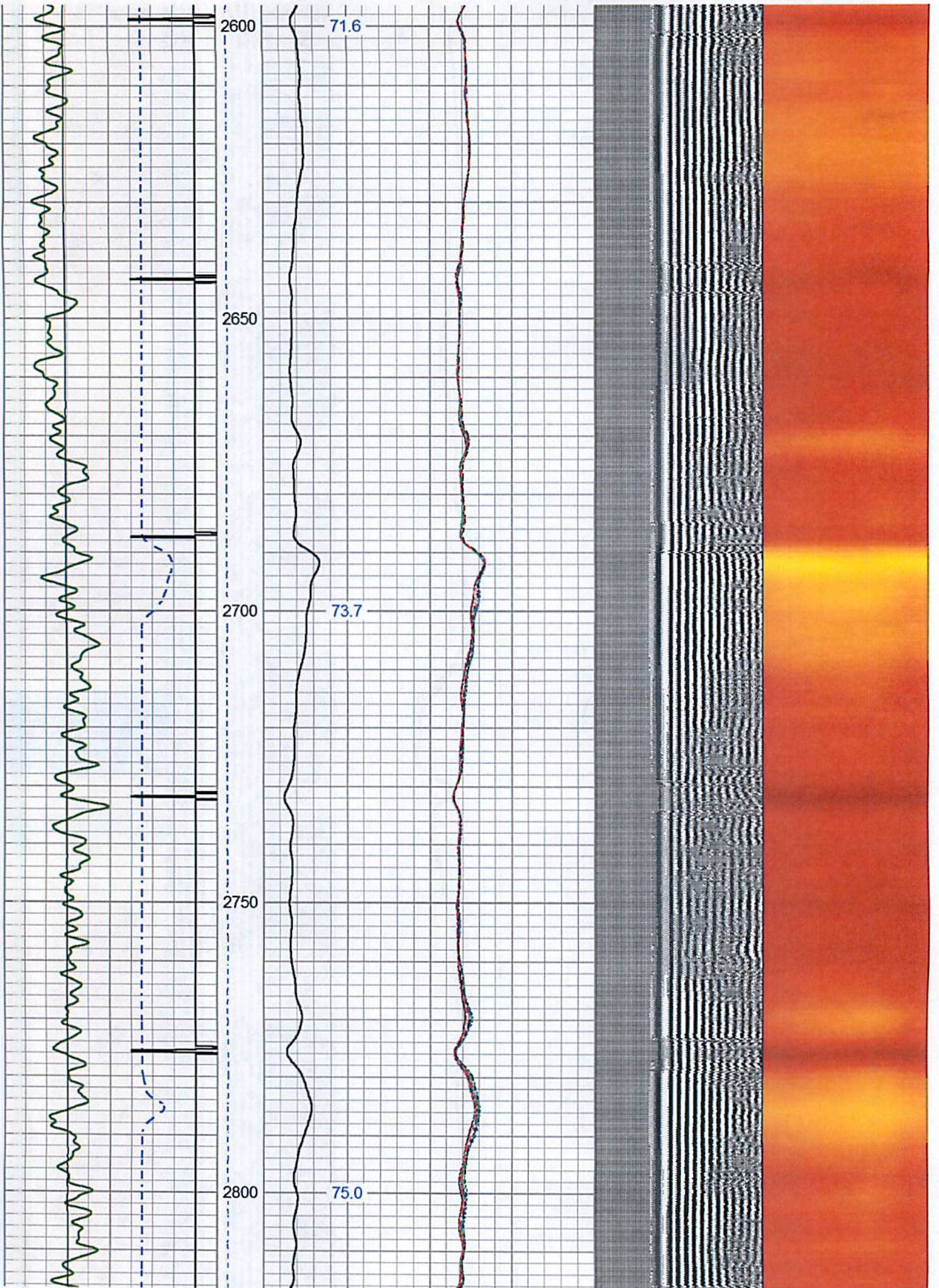




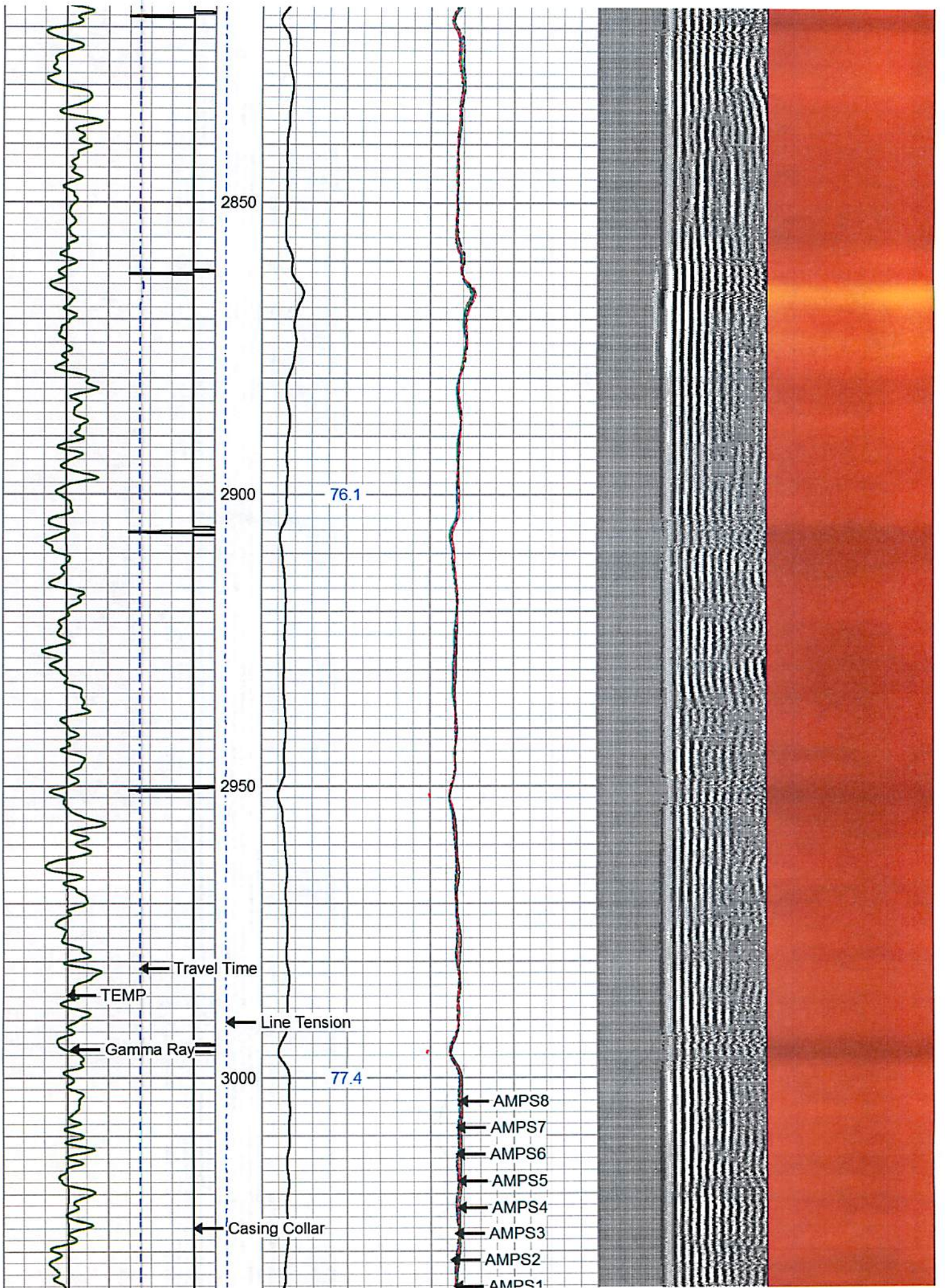




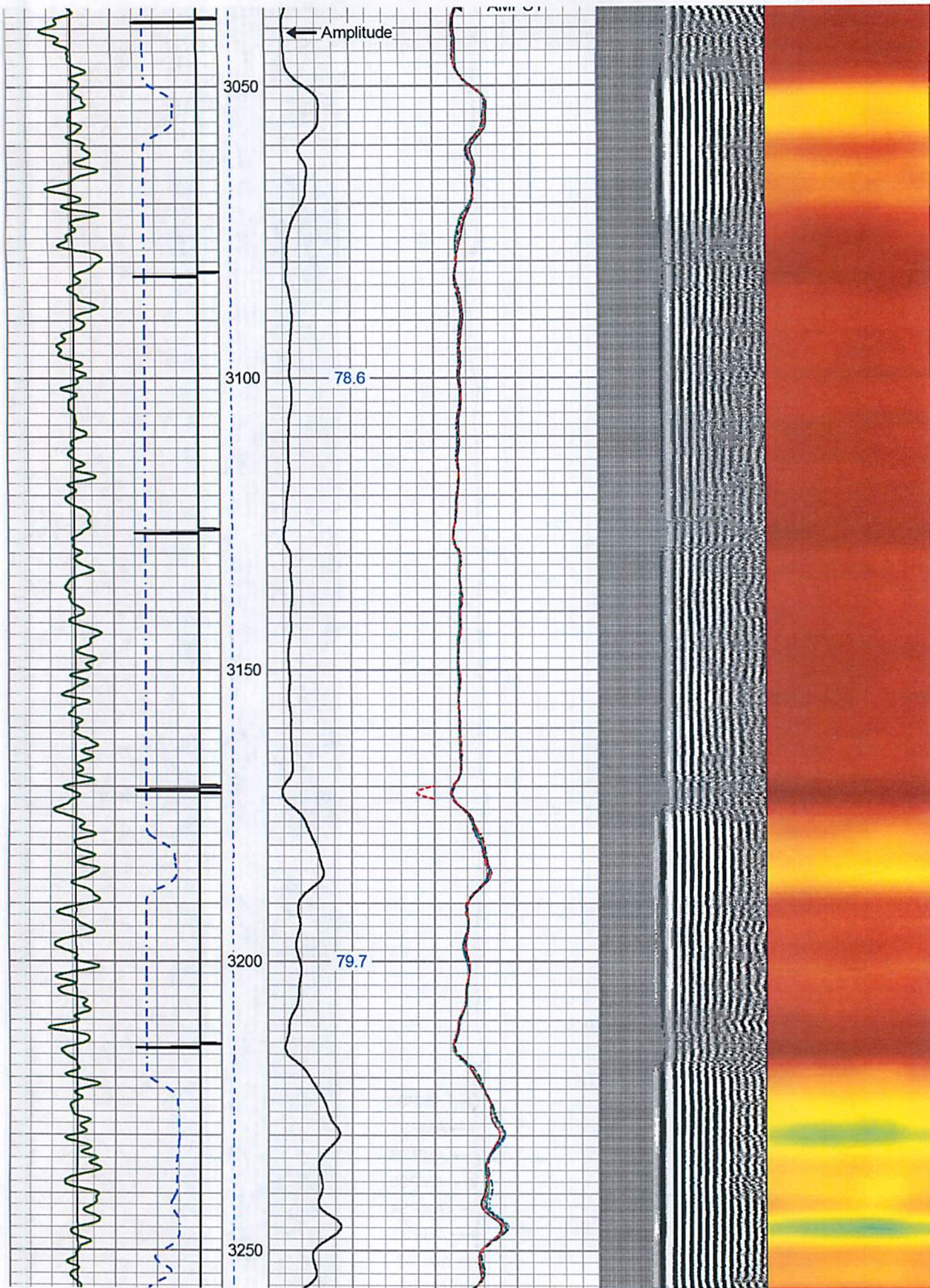




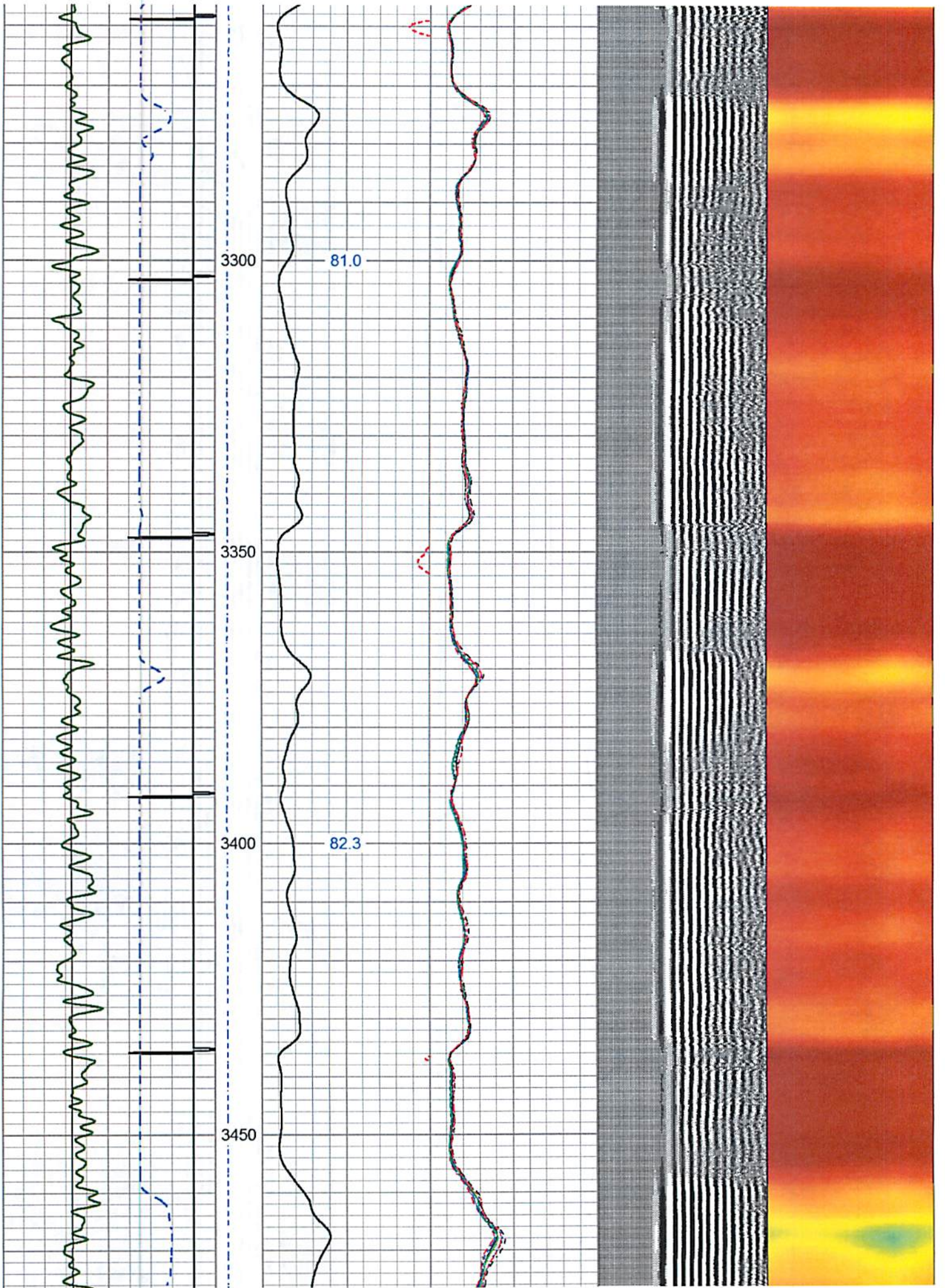




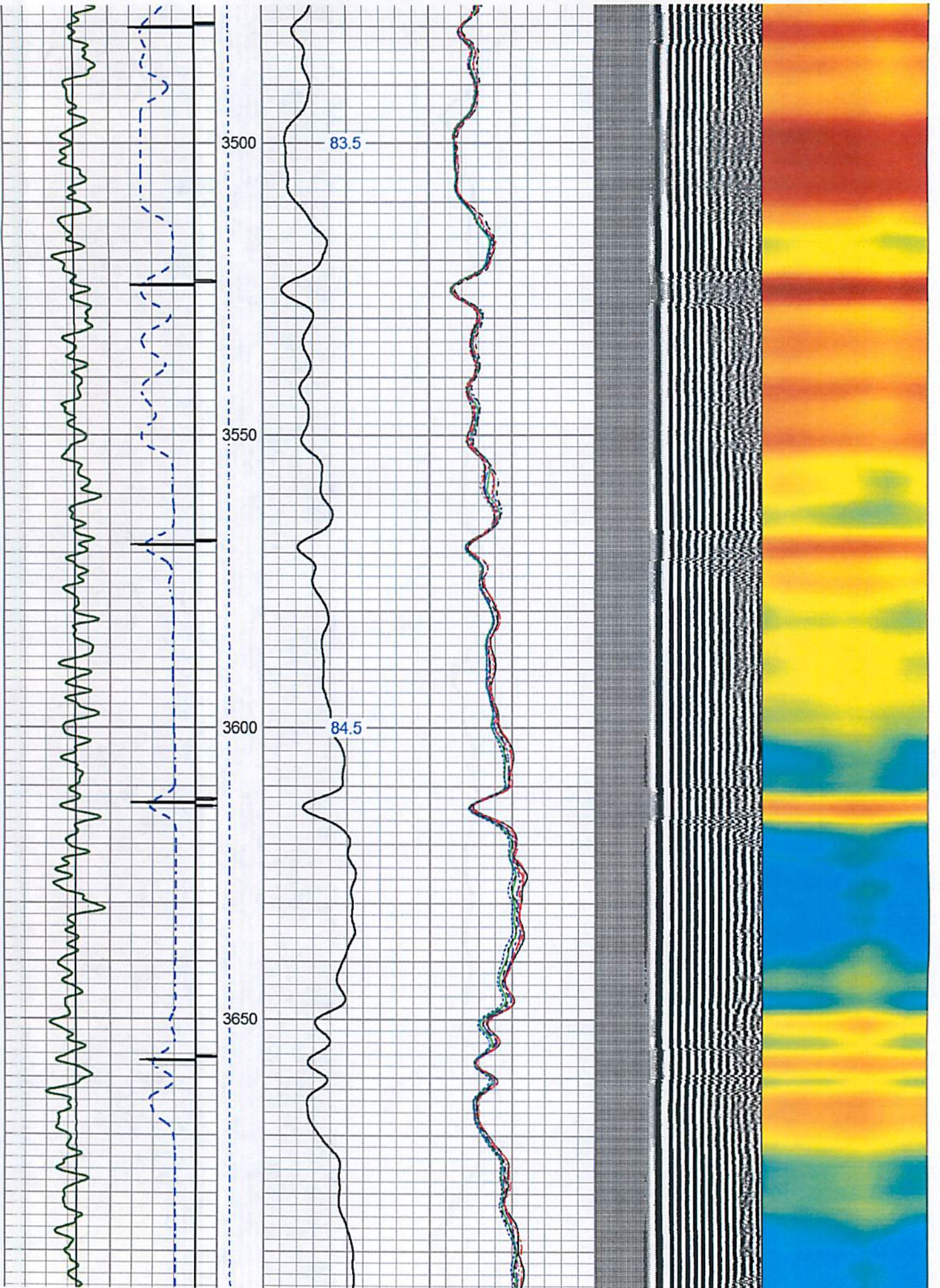




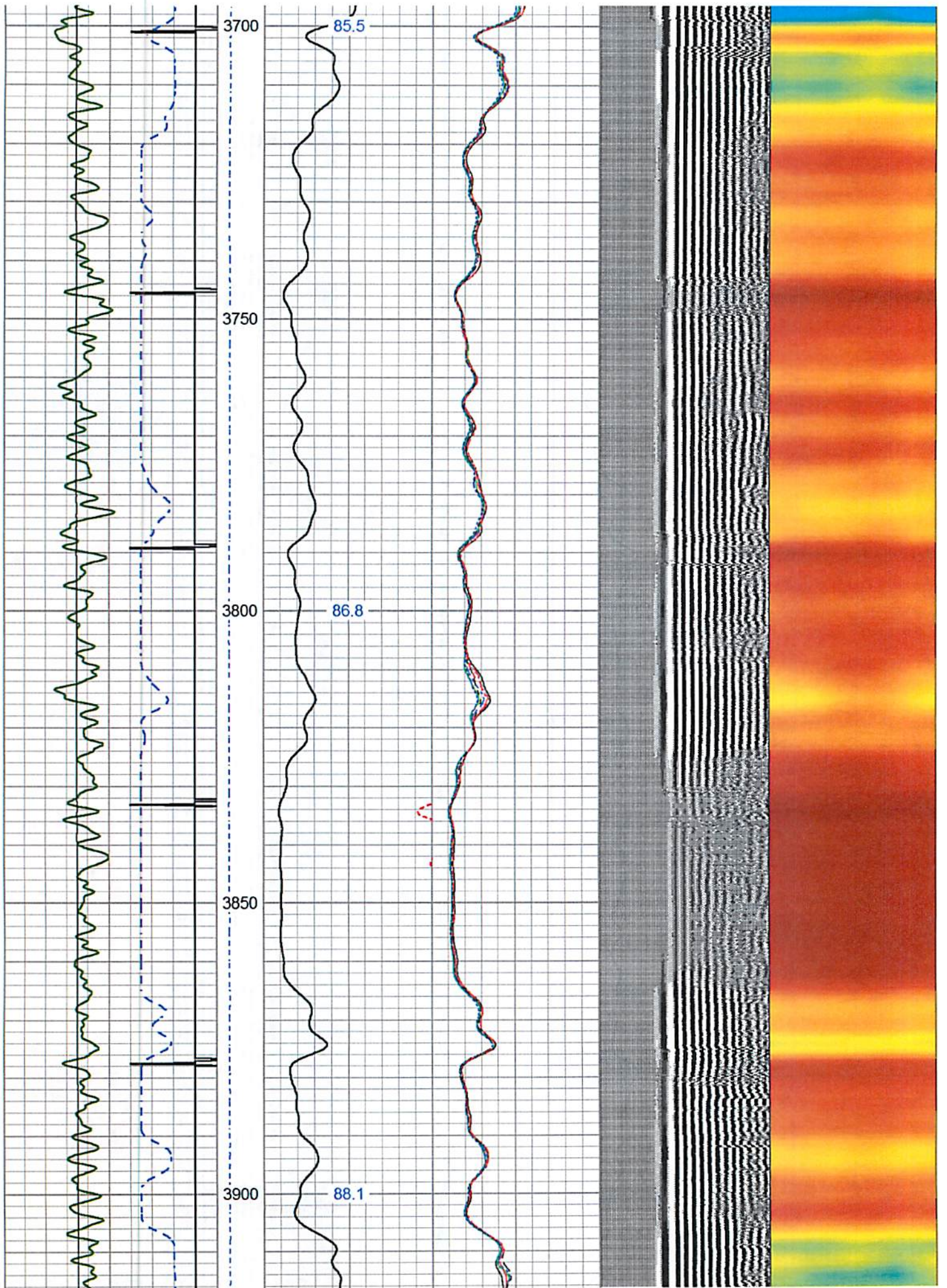




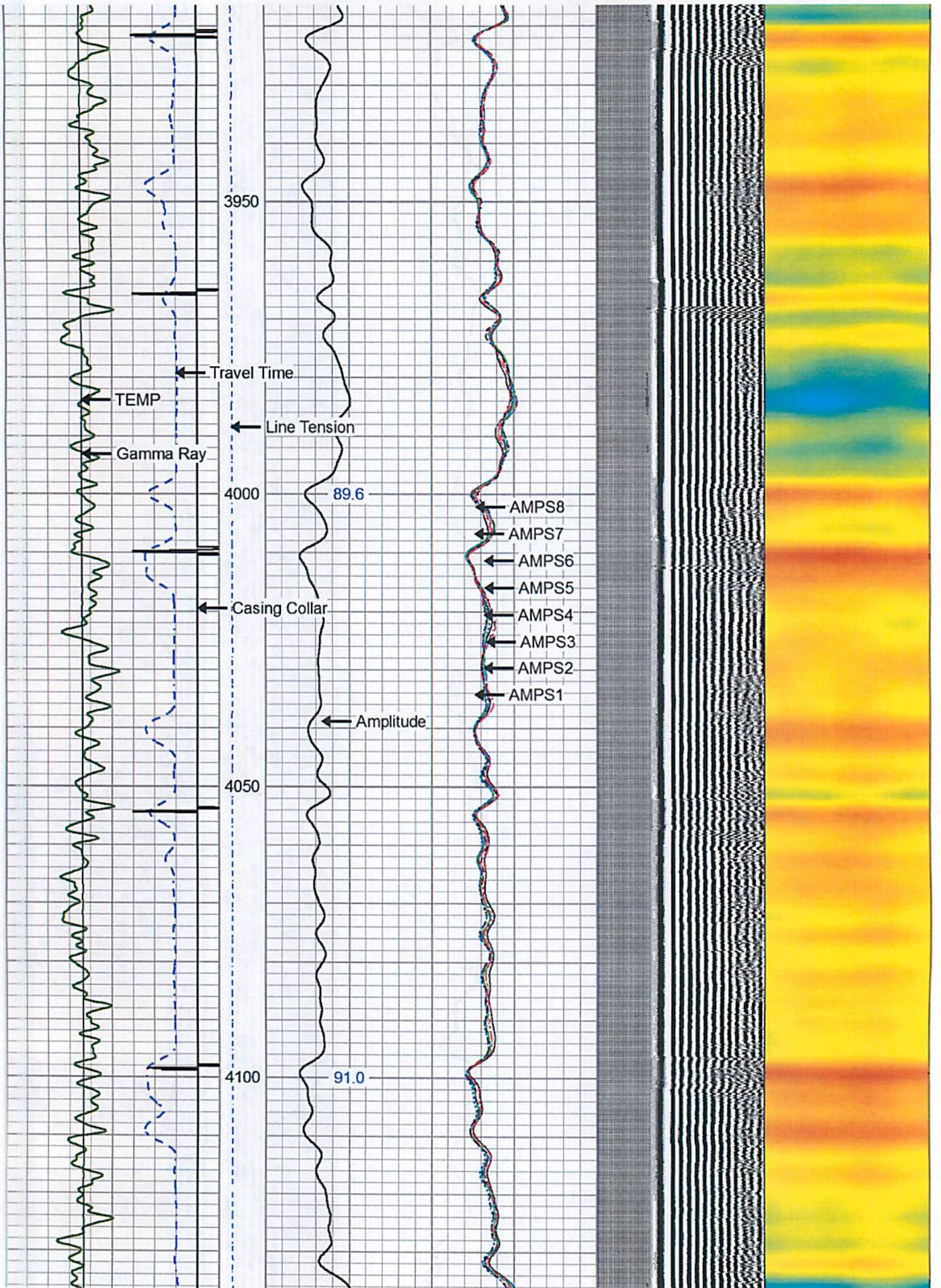




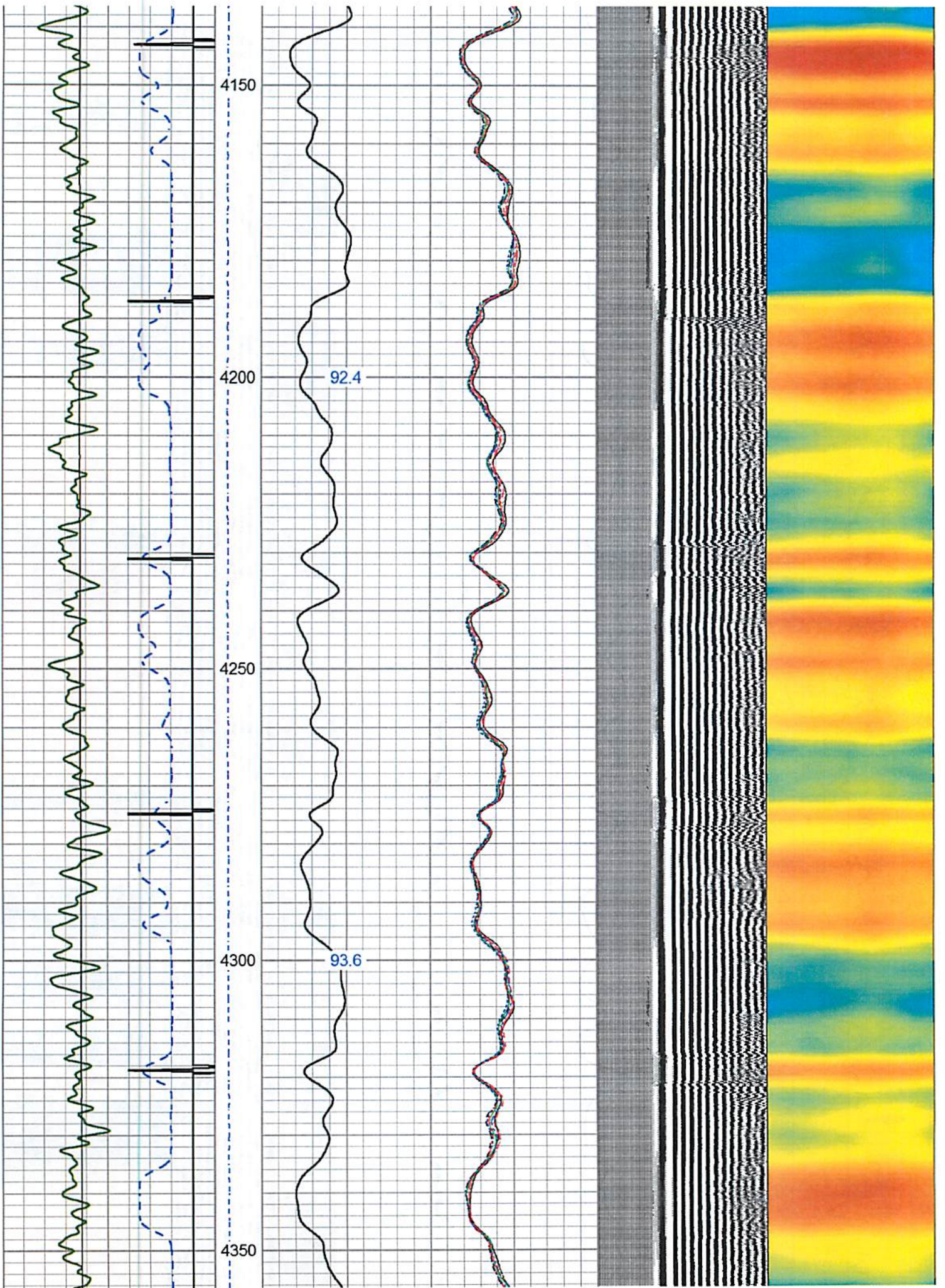




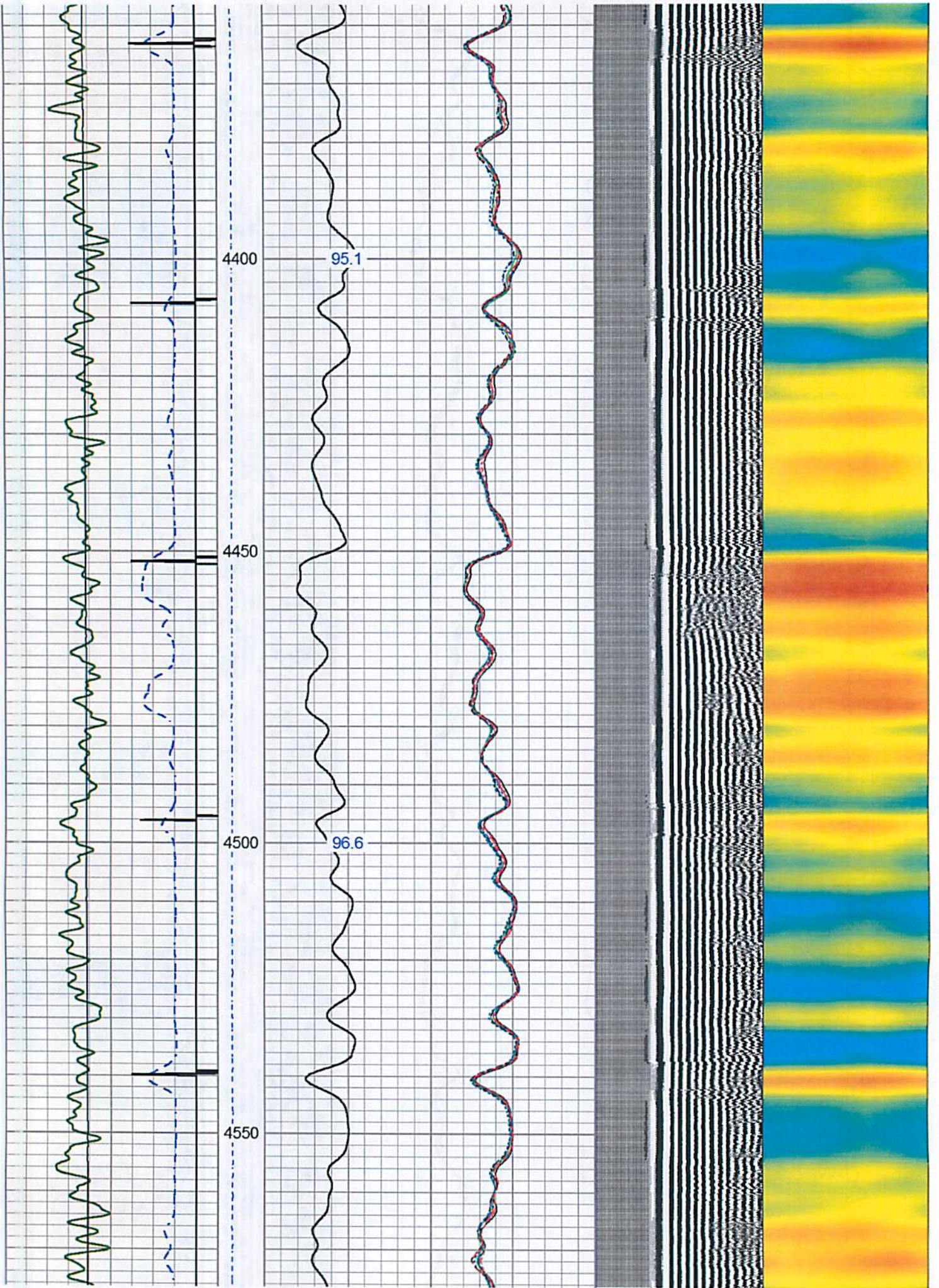




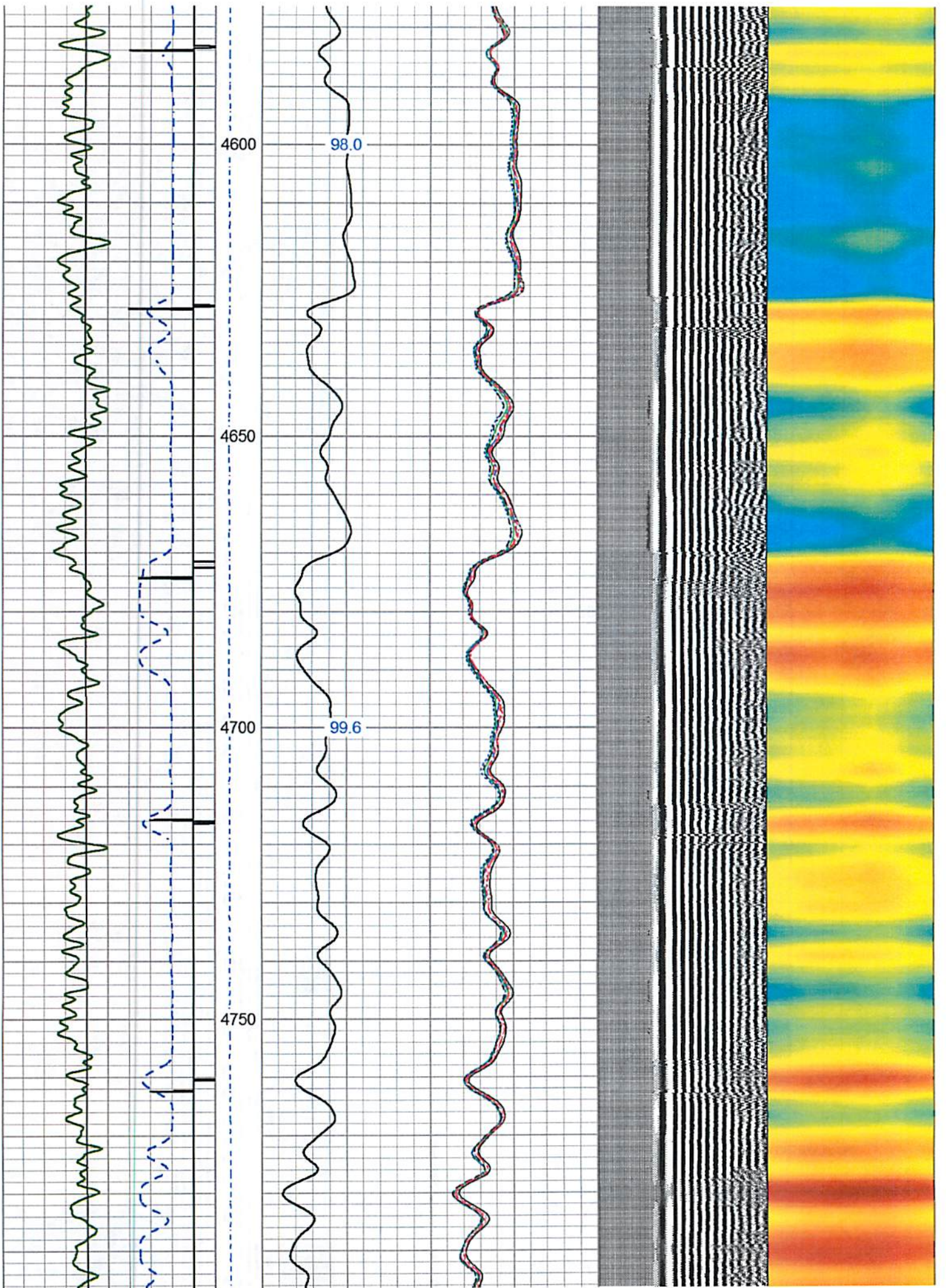




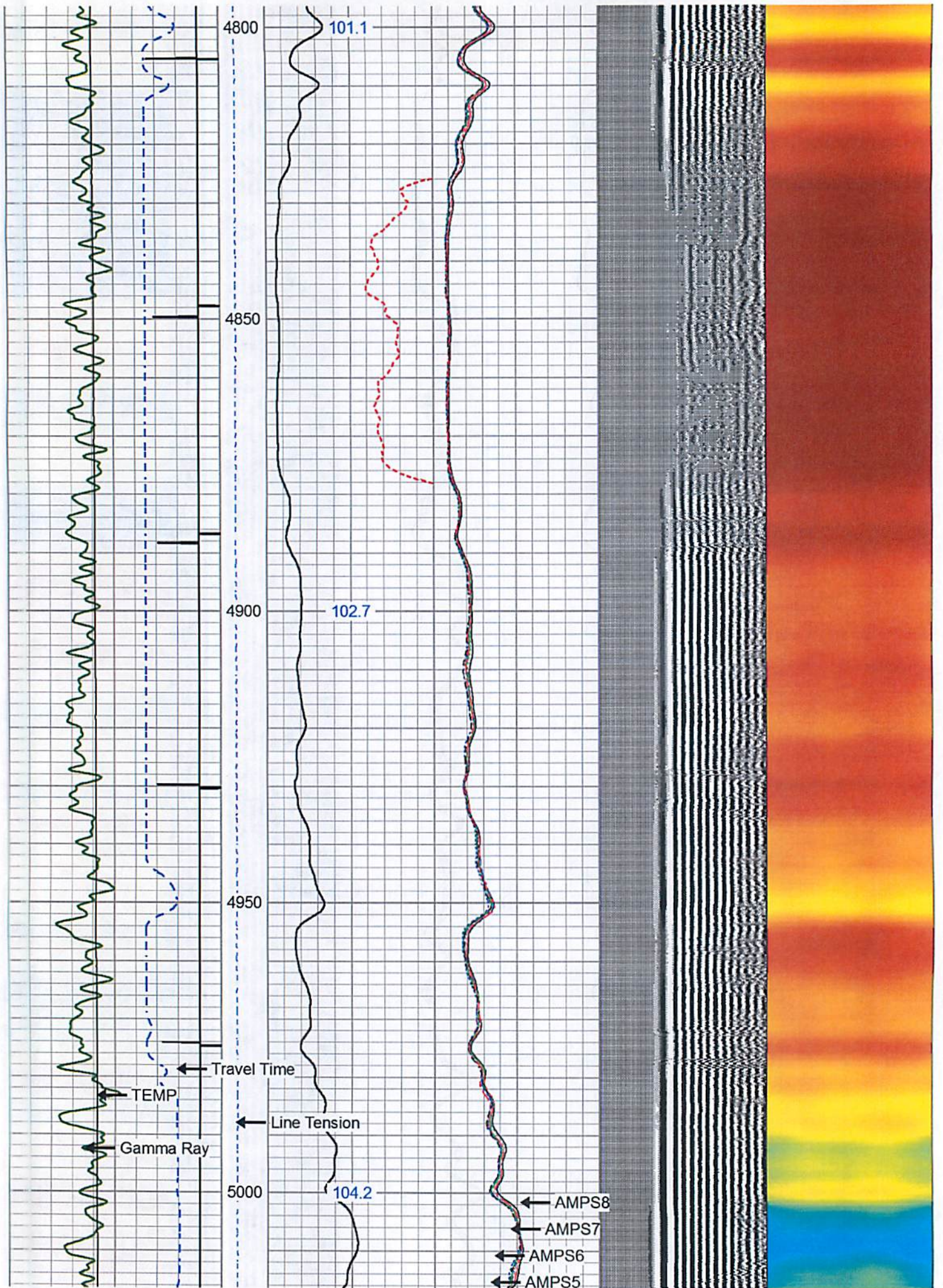




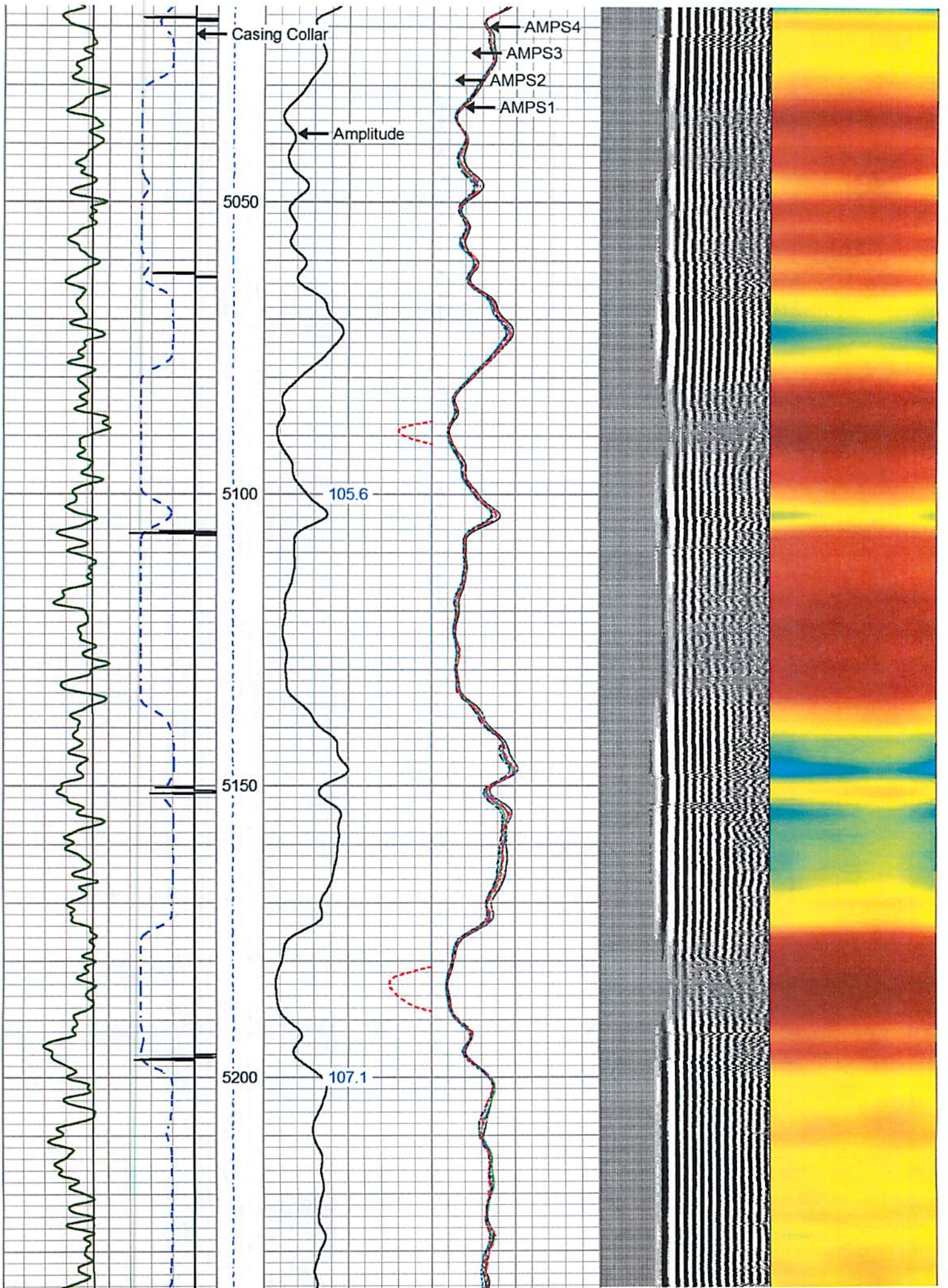




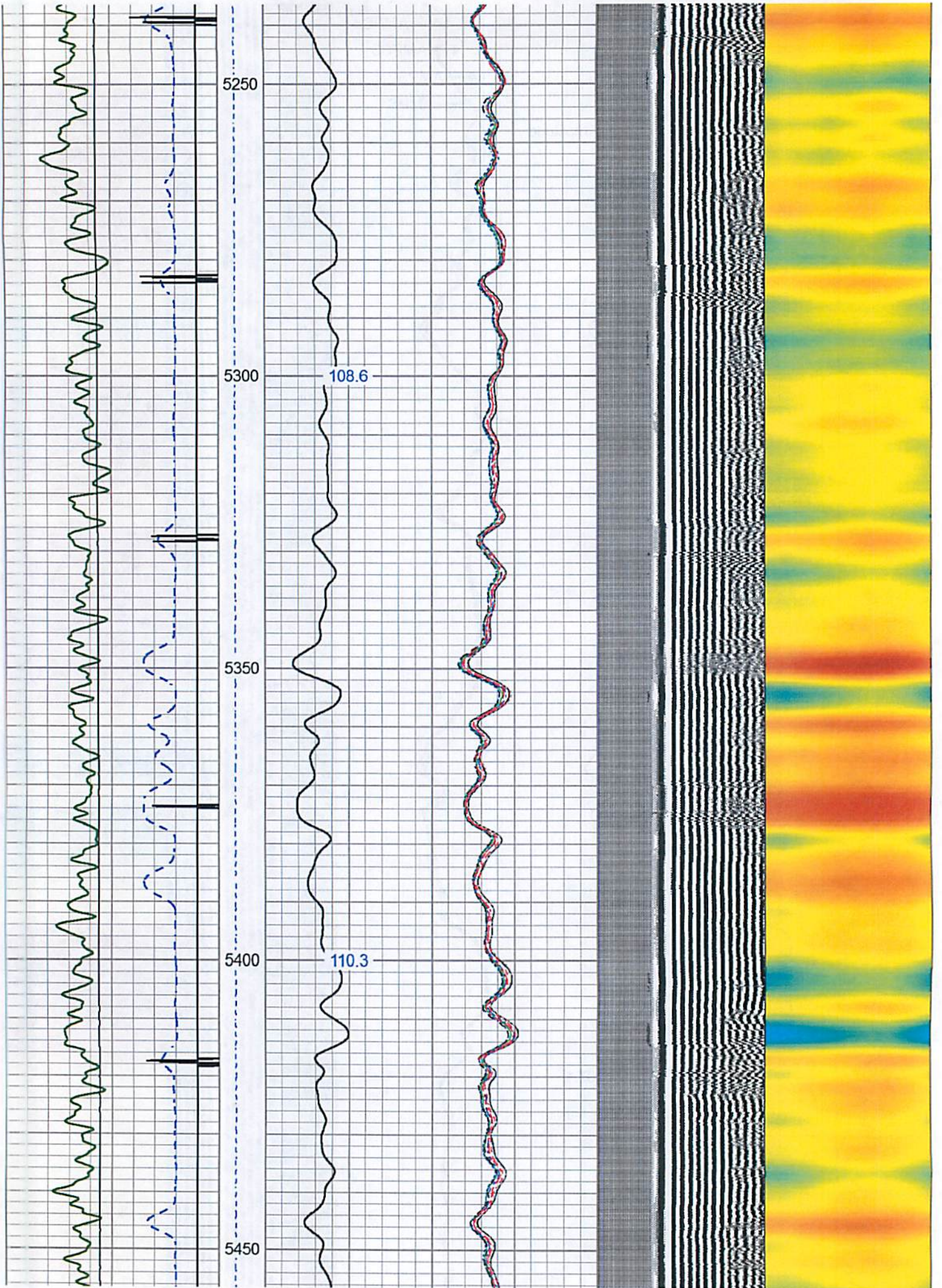




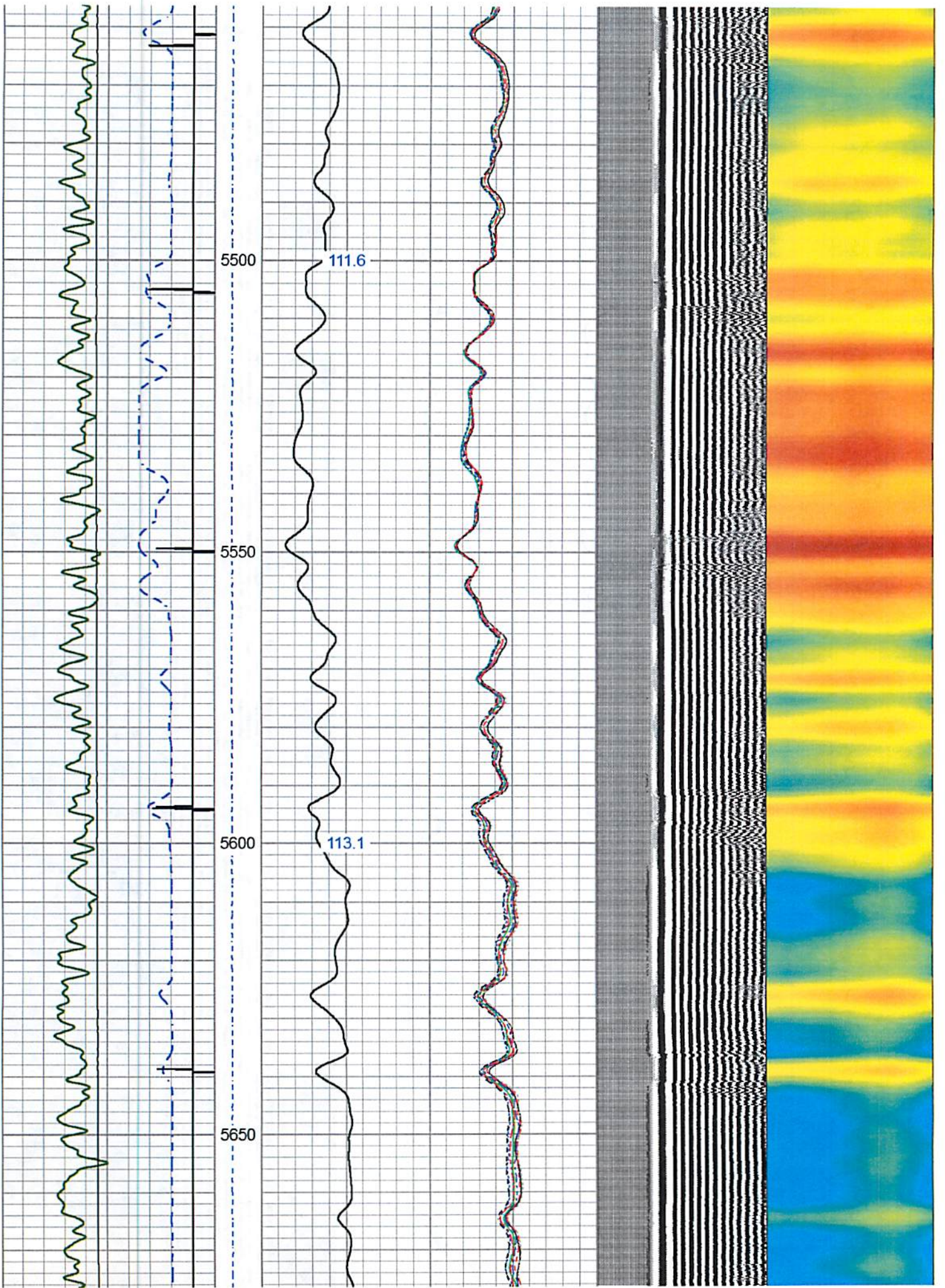




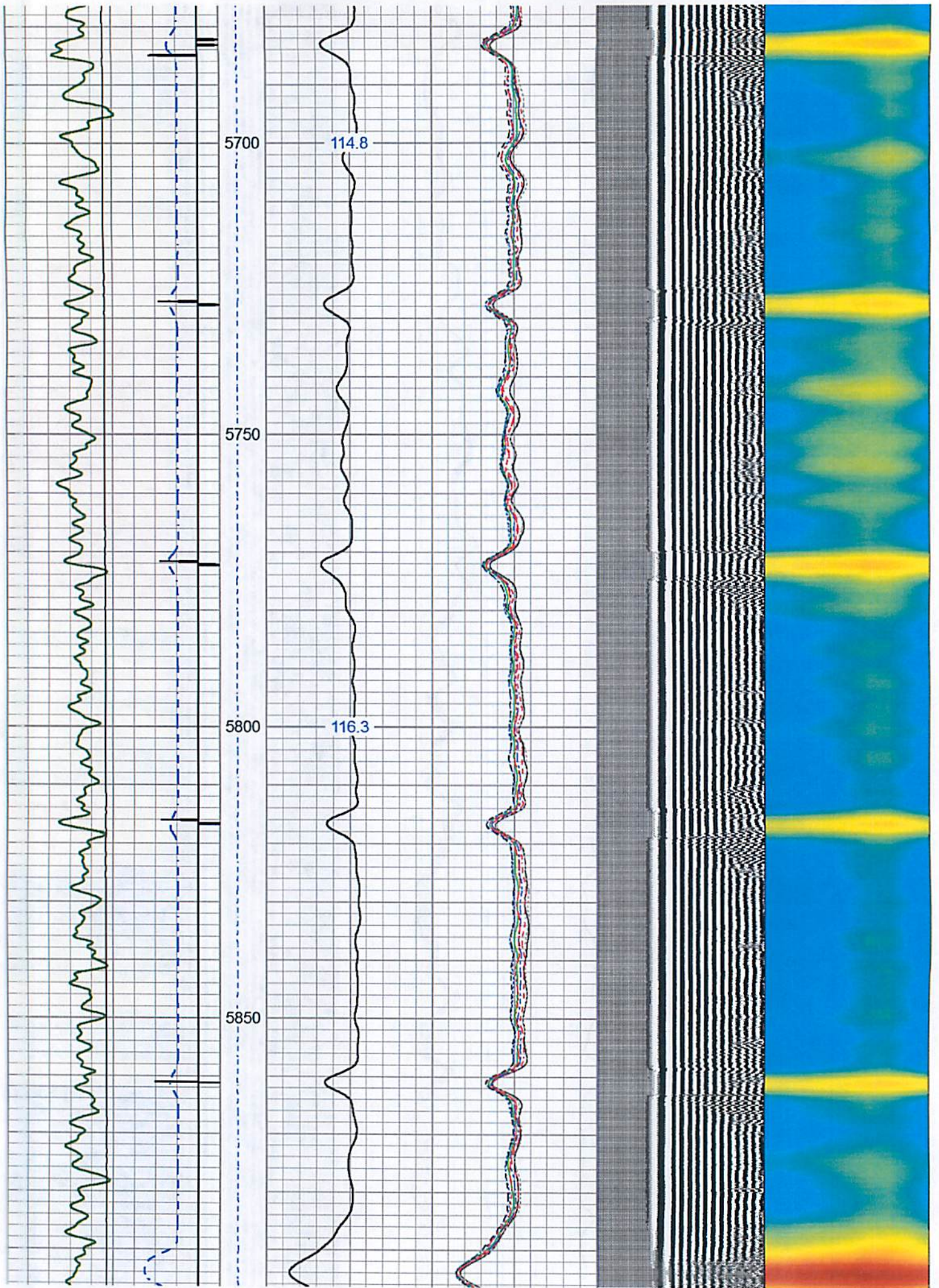




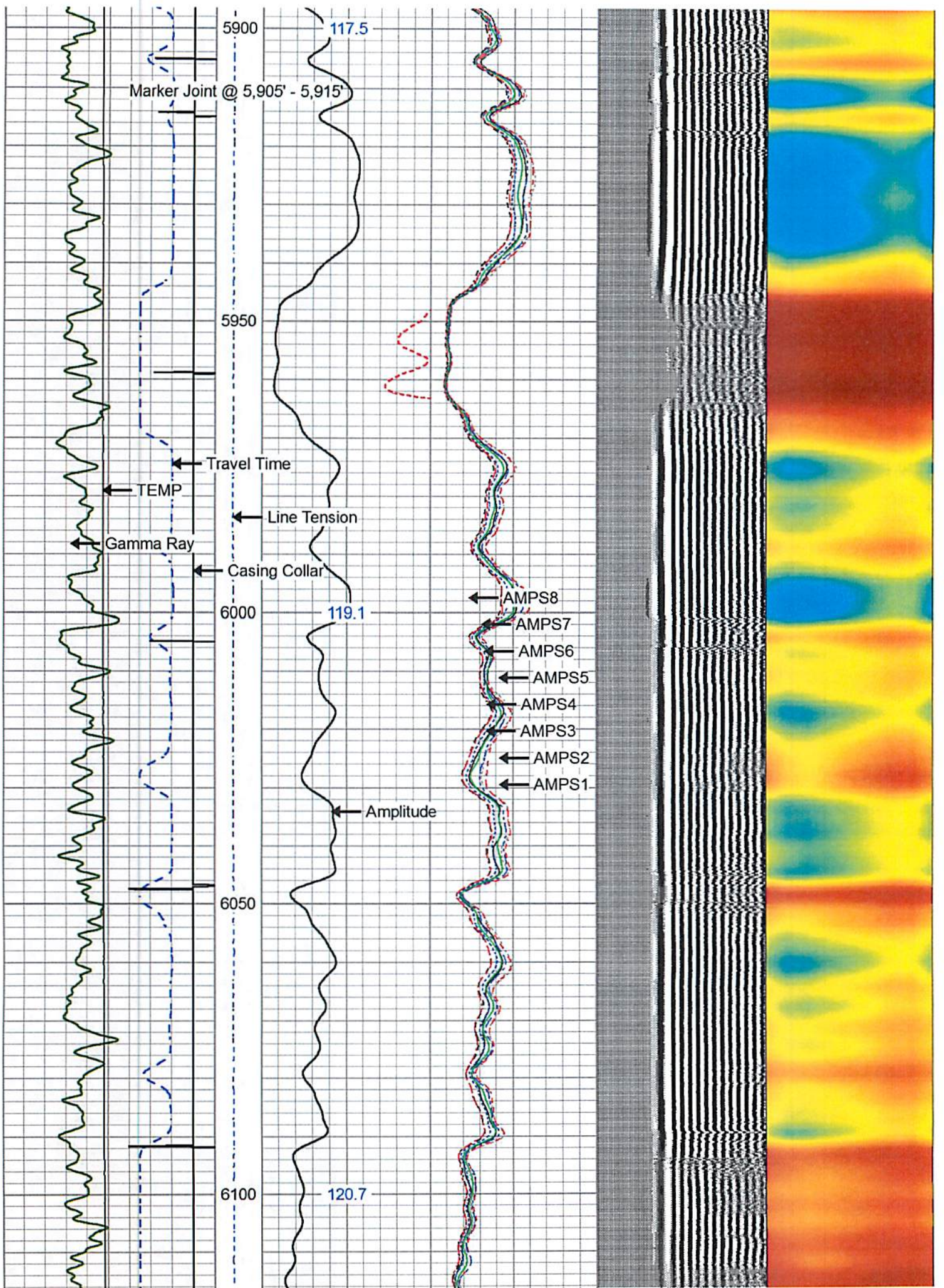




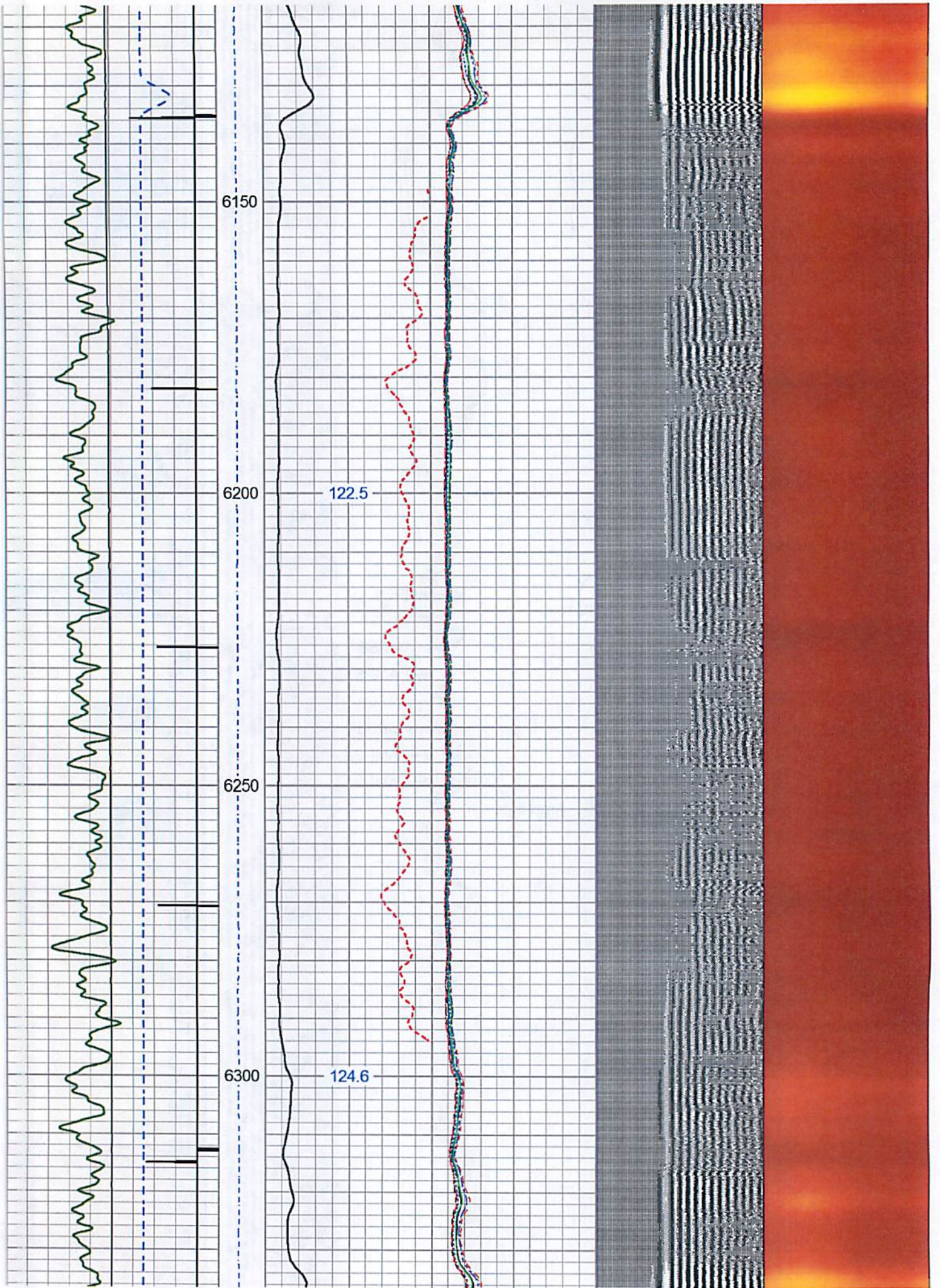




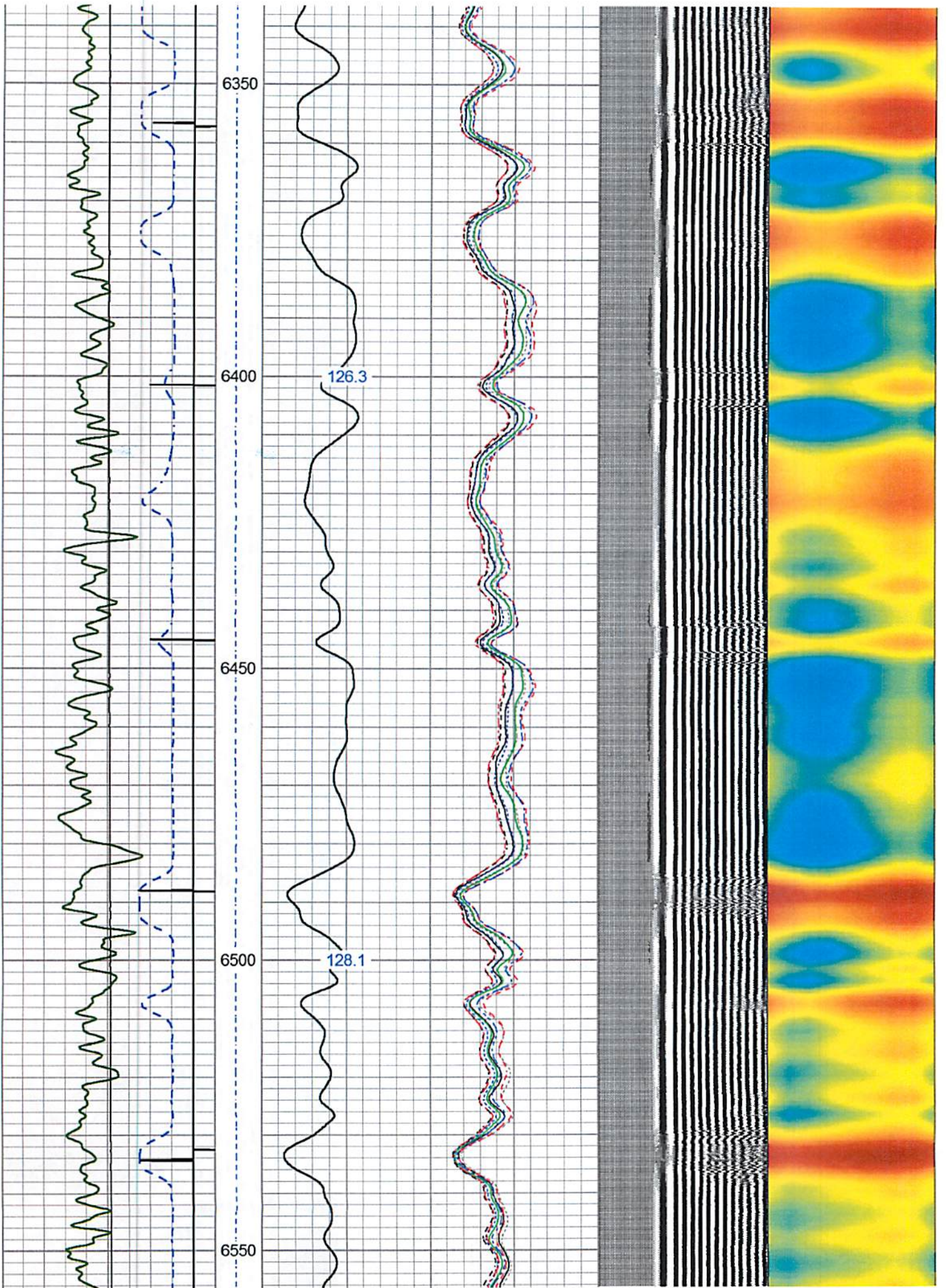




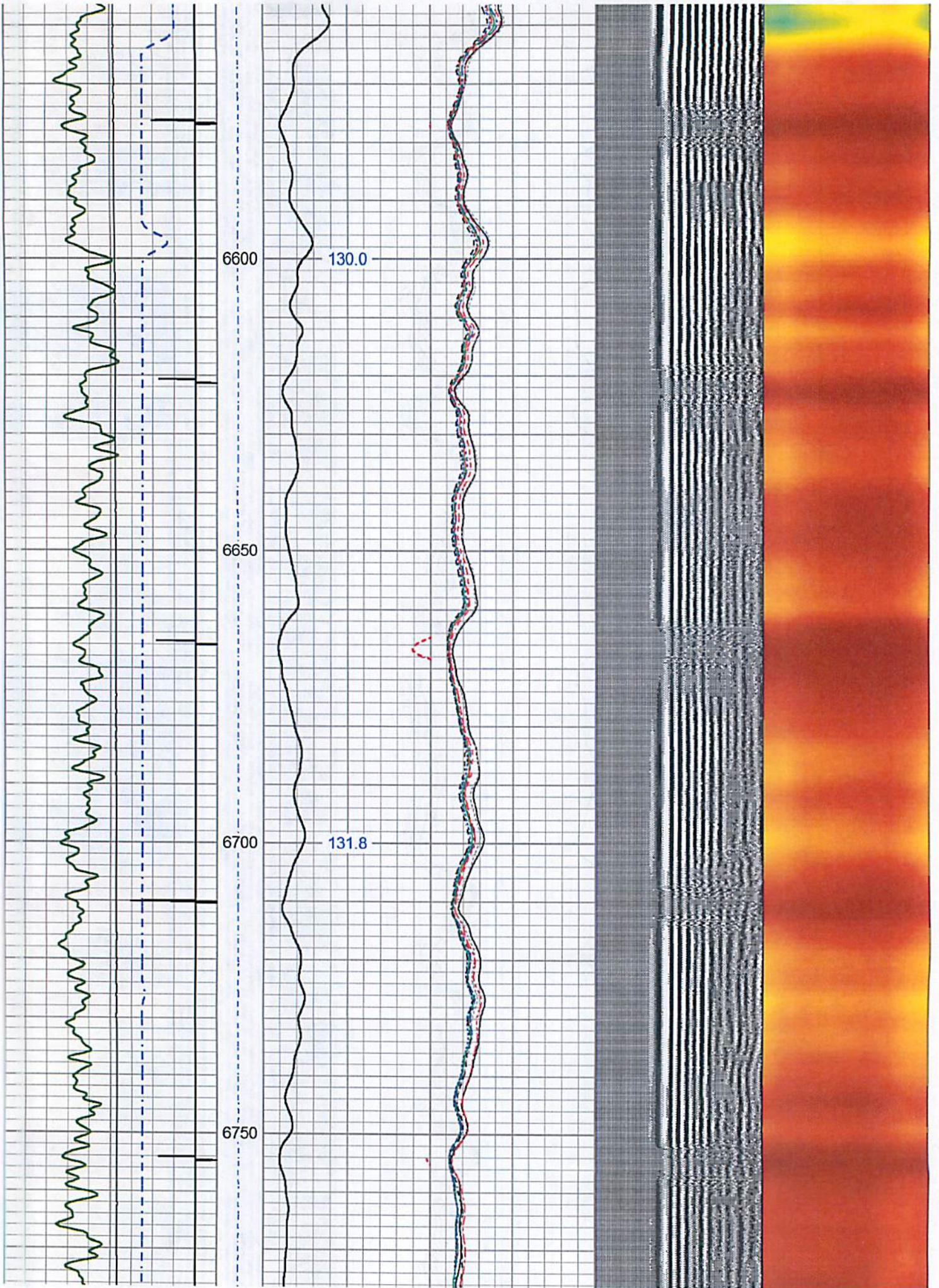




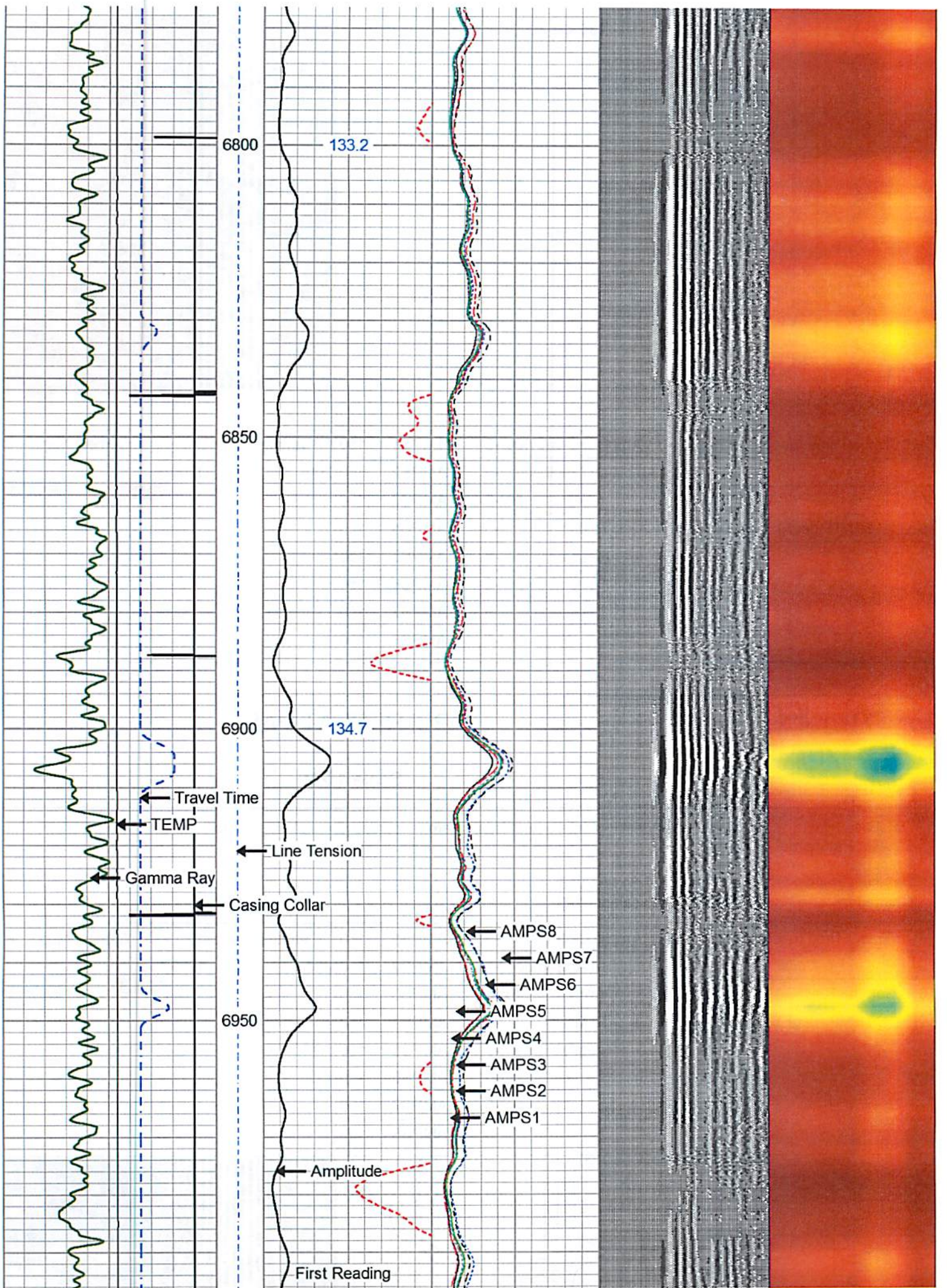




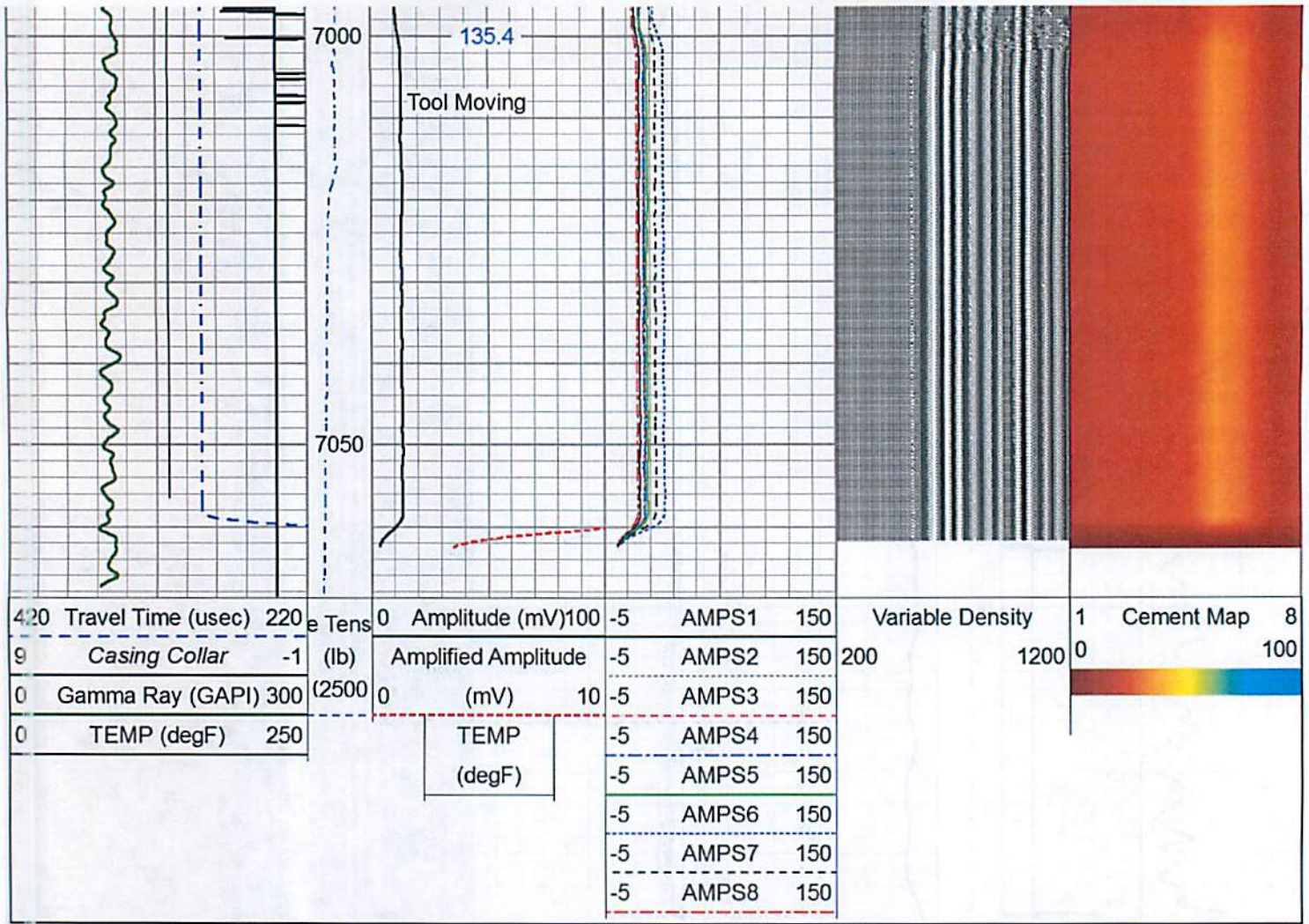








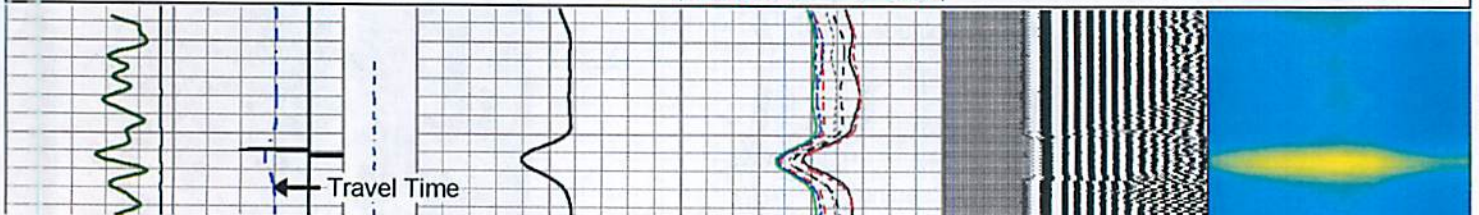
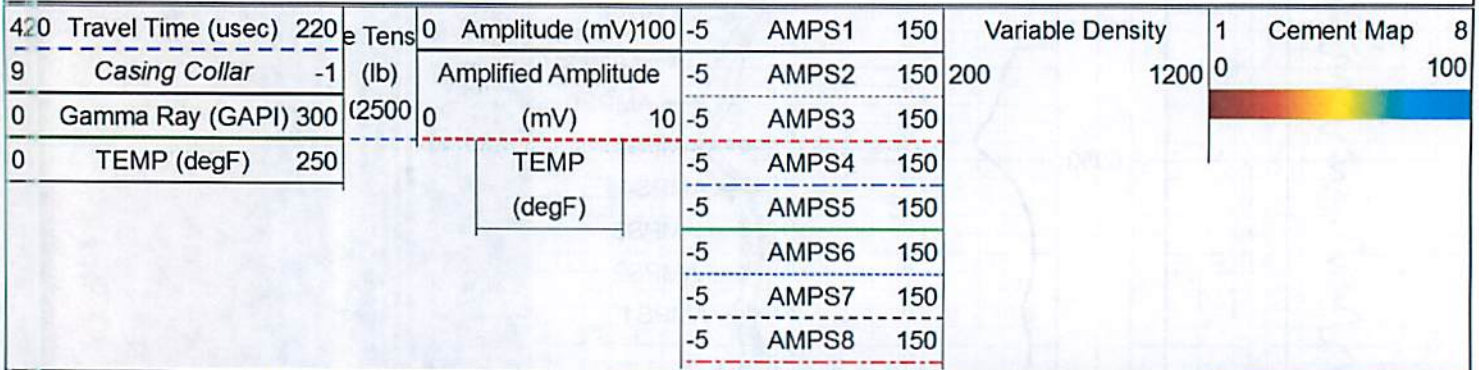




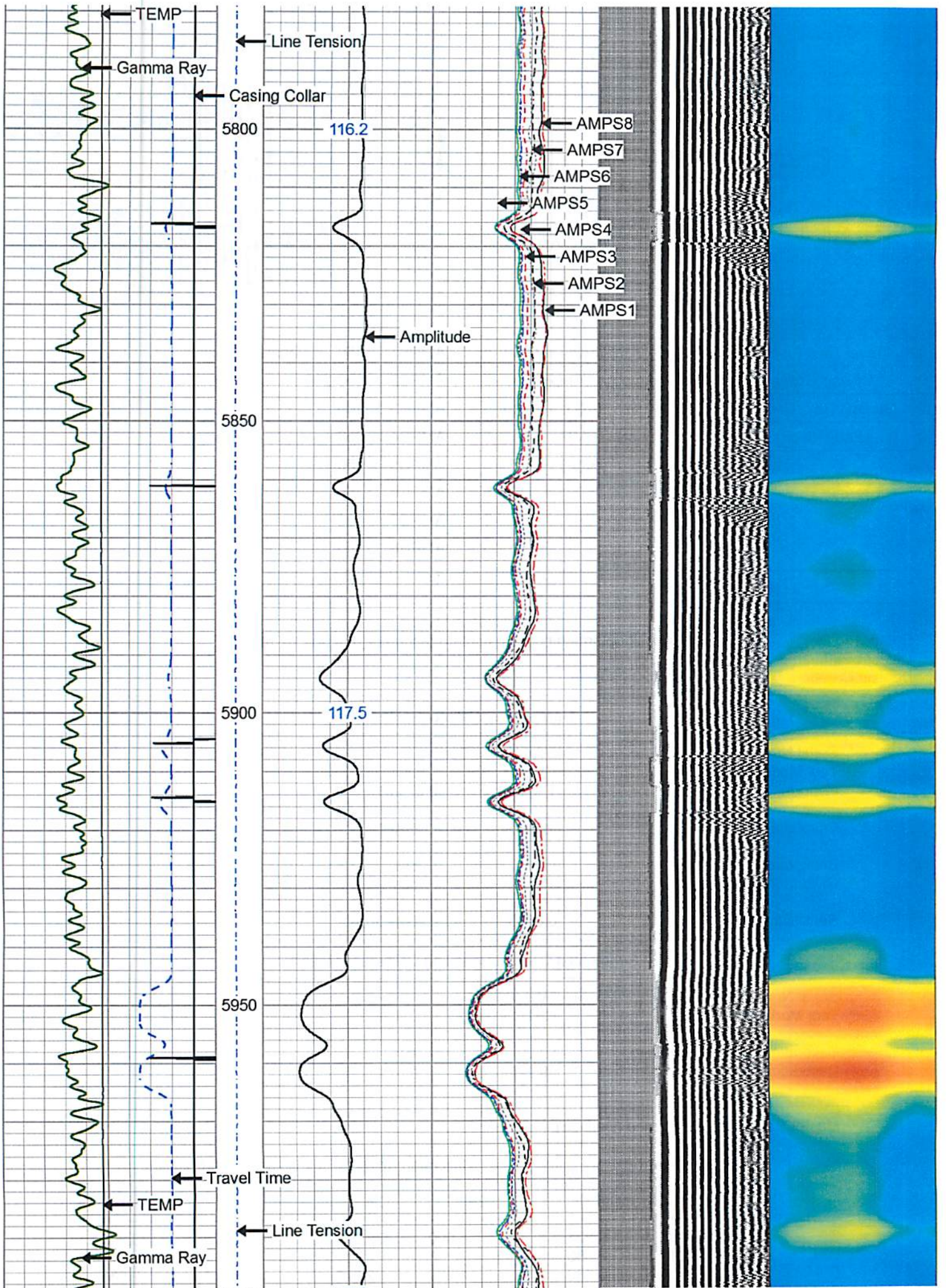
## 0 PSI REPEAT PASS

Scale 1:240

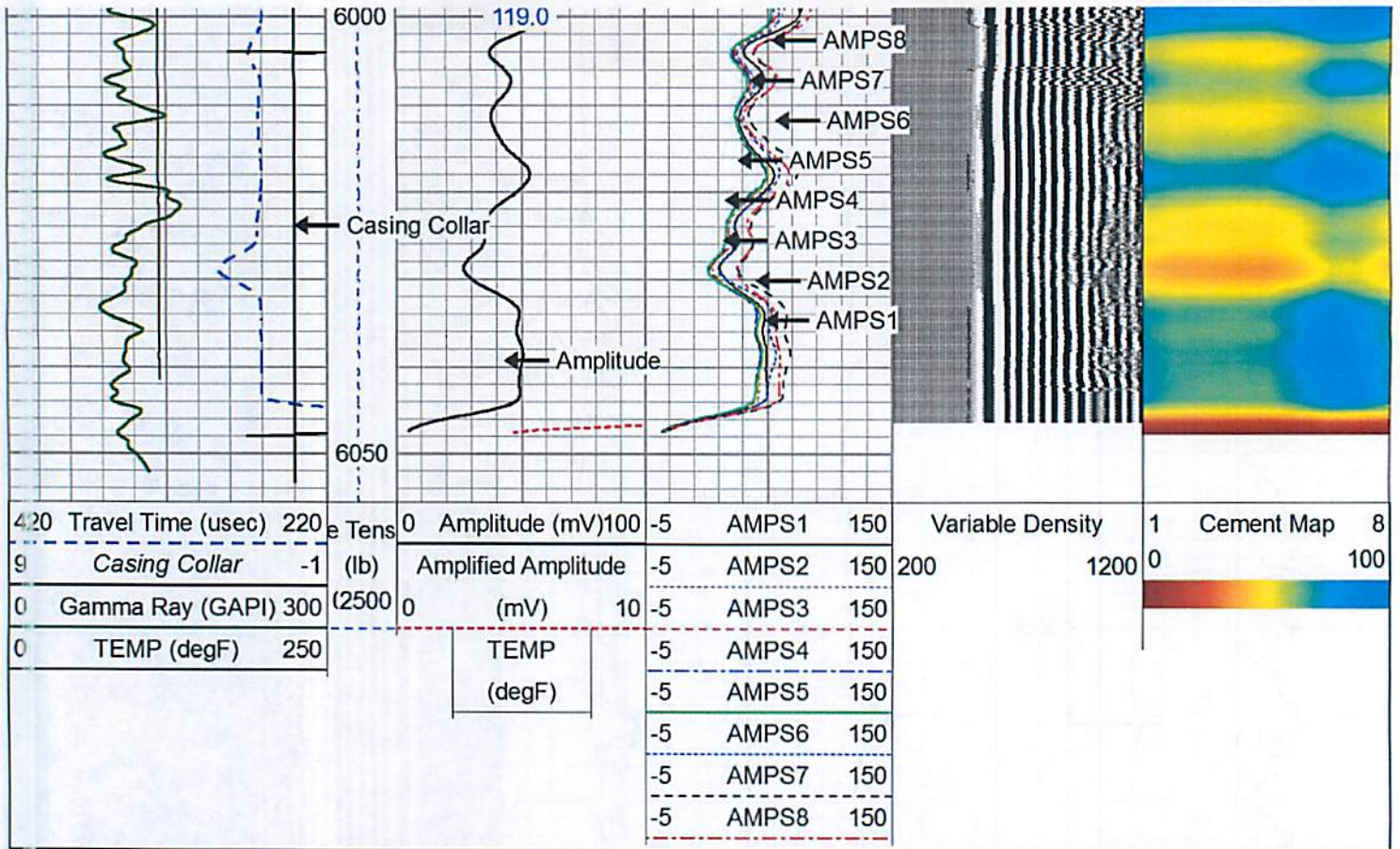
Database File c:\users\user\desktop\antero neat logs\antero resources\_jim unit 1h\_rcbl.db  
 Dataset Pathname pass4  
 Presentation Format ahws\_rcbl\_jc  
 Dataset Creation Thu Dec 13 07:31:25 2018  
 Charted by Depth in Feet scaled 1:240











### Calibration Report

Database File c:\users\user\desktop\lantero neat logs\lantero resources\_jim unit 1h\_rcbl.db  
 Dataset Pathname Main Pass  
 Dataset Creation Thu Dec 13 10:23:09 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'	-0.008	0.221	1.000	72.000	310.728	3.351
CAL	-0.010	0.383				
5'	-0.004	0.189	1.000	72.000	366.468	2.585



SUM							
S1	-0.008	0.253	0.000	100.000	383.150	2.911	
S2	-0.007	0.230	0.000	100.000	420.923	3.079	
S3	-0.007	0.213	0.000	100.000	453.801	3.296	
S4	-0.008	0.206	0.000	100.000	468.042	3.631	
S5	-0.008	0.205	0.000	100.000	470.213	3.643	
S6	-0.008	0.213	0.000	100.000	451.738	3.622	
S7	-0.007	0.239	0.000	100.000	405.084	2.990	
S8	-0.007	0.257	0.000	100.000	378.158	2.798	

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		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

## Log Variables

Database: \users\user\Desktop\antero neat logs\antero resources\_jim unit 1h\_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			

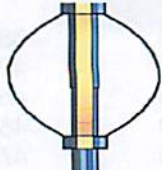

### Variable Description

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) Standard Cable Head	1.00	1.69	10.00



			CENT-Probe275 Probe 2.75" 4 Arm Bow Spring Centralizer	2.88	1.69	36.00
Temp	17.35					
WVFS8	15.12		RBT-RBTC3 Temp (FW1406-126) Probe 2.75" Corrosion RCBL With Integral Temp Sub	9.39	2.75	90.00
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\_jim unit 1h\_rcbl.db: field/well/run1/Main Pass  
 Total length: 24.15 ft  
 Total weight: 263.00 lb  
 O.D.: 2.75 in





Well  
Field  
County  
State

Jim 1H  
Marcellus  
Tyler  
West Virginia

Country