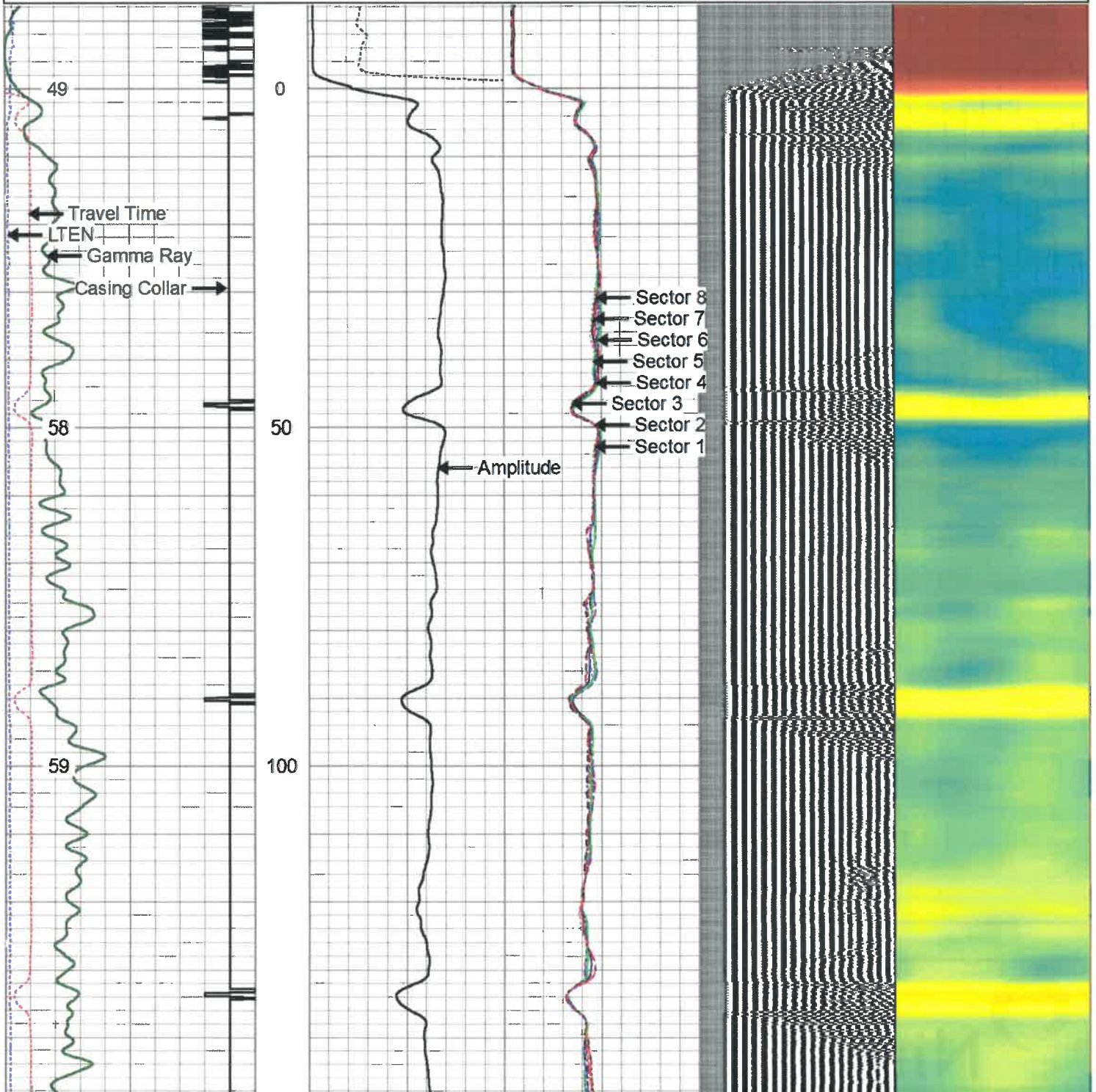
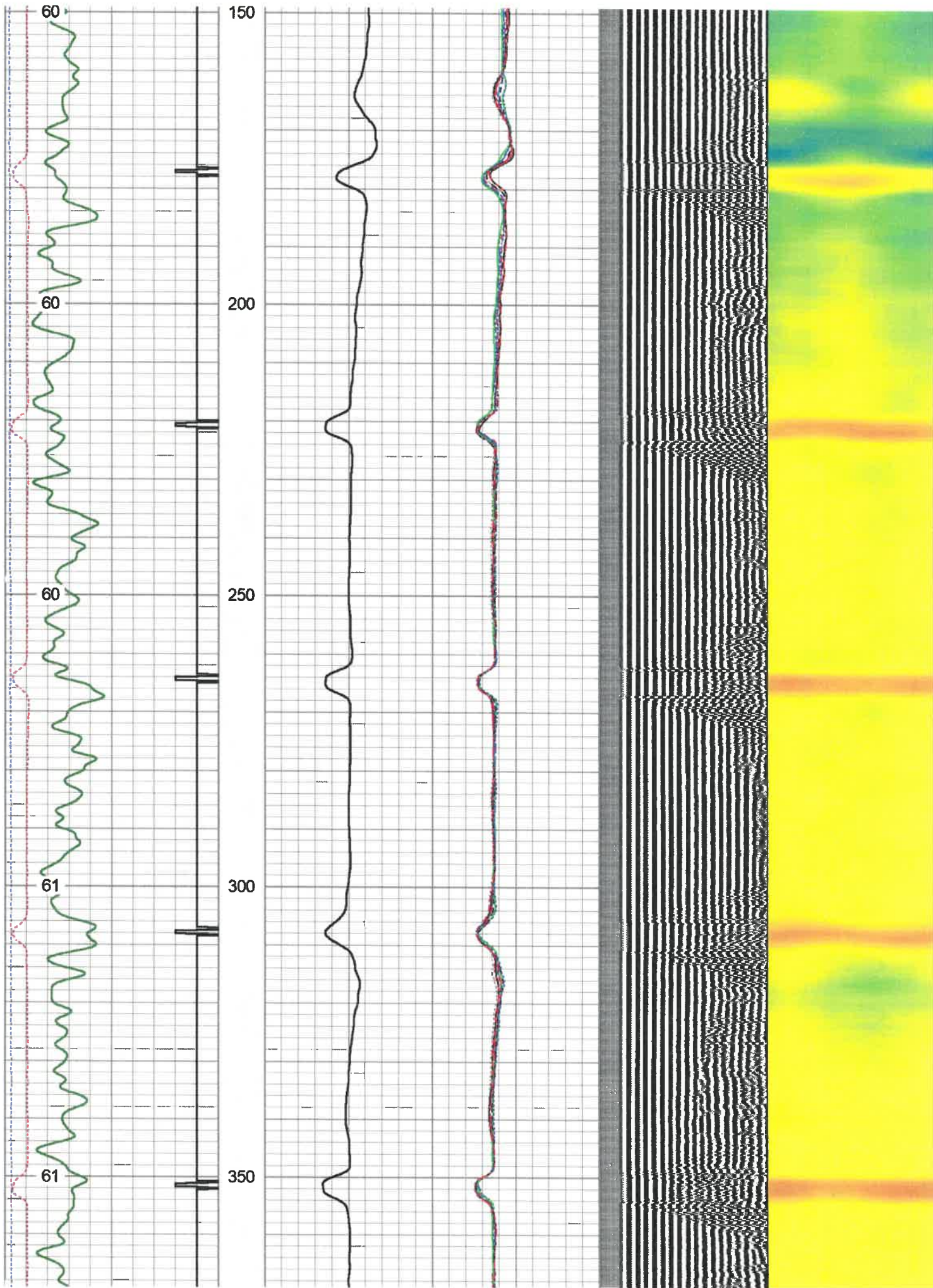


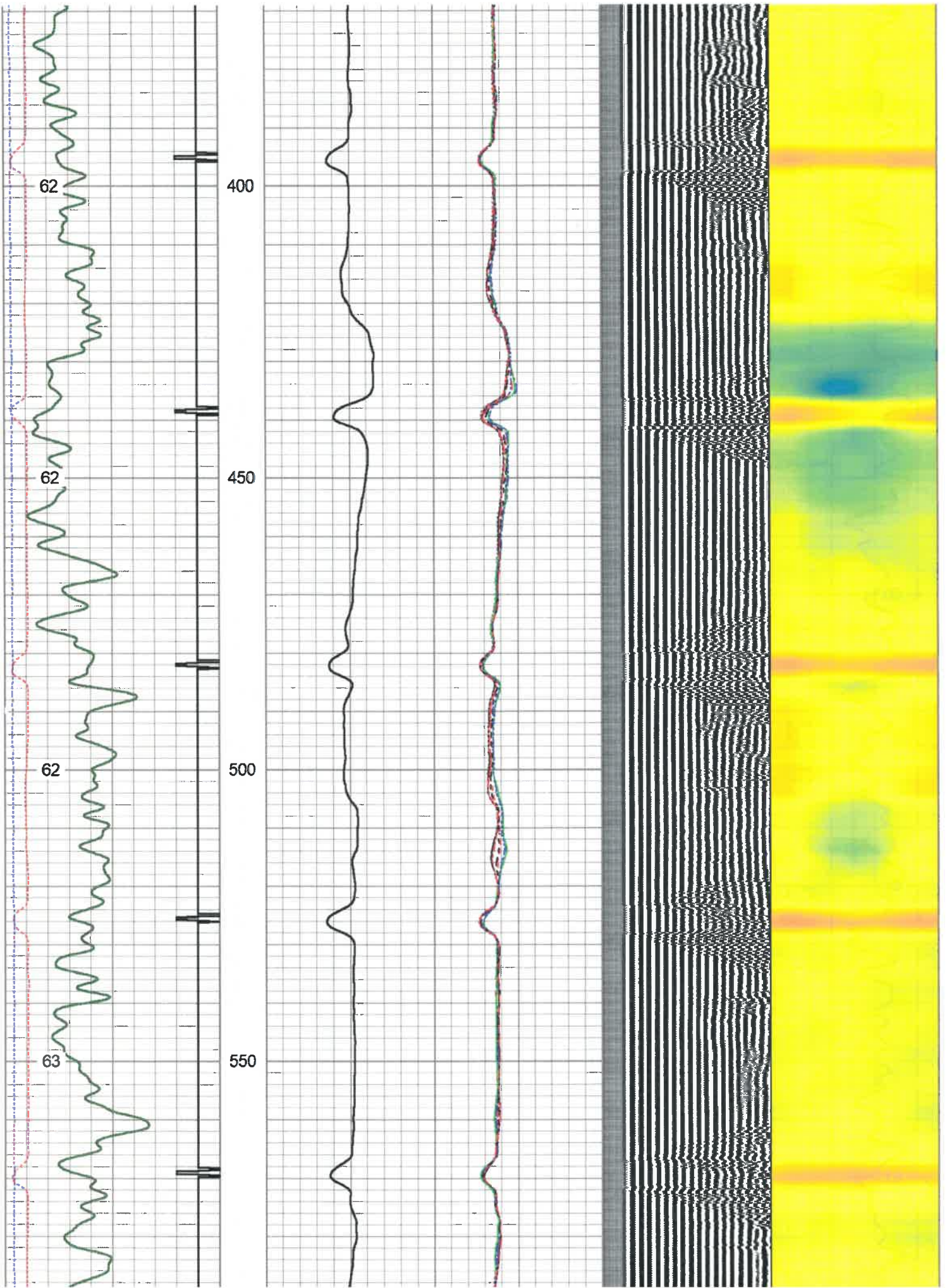


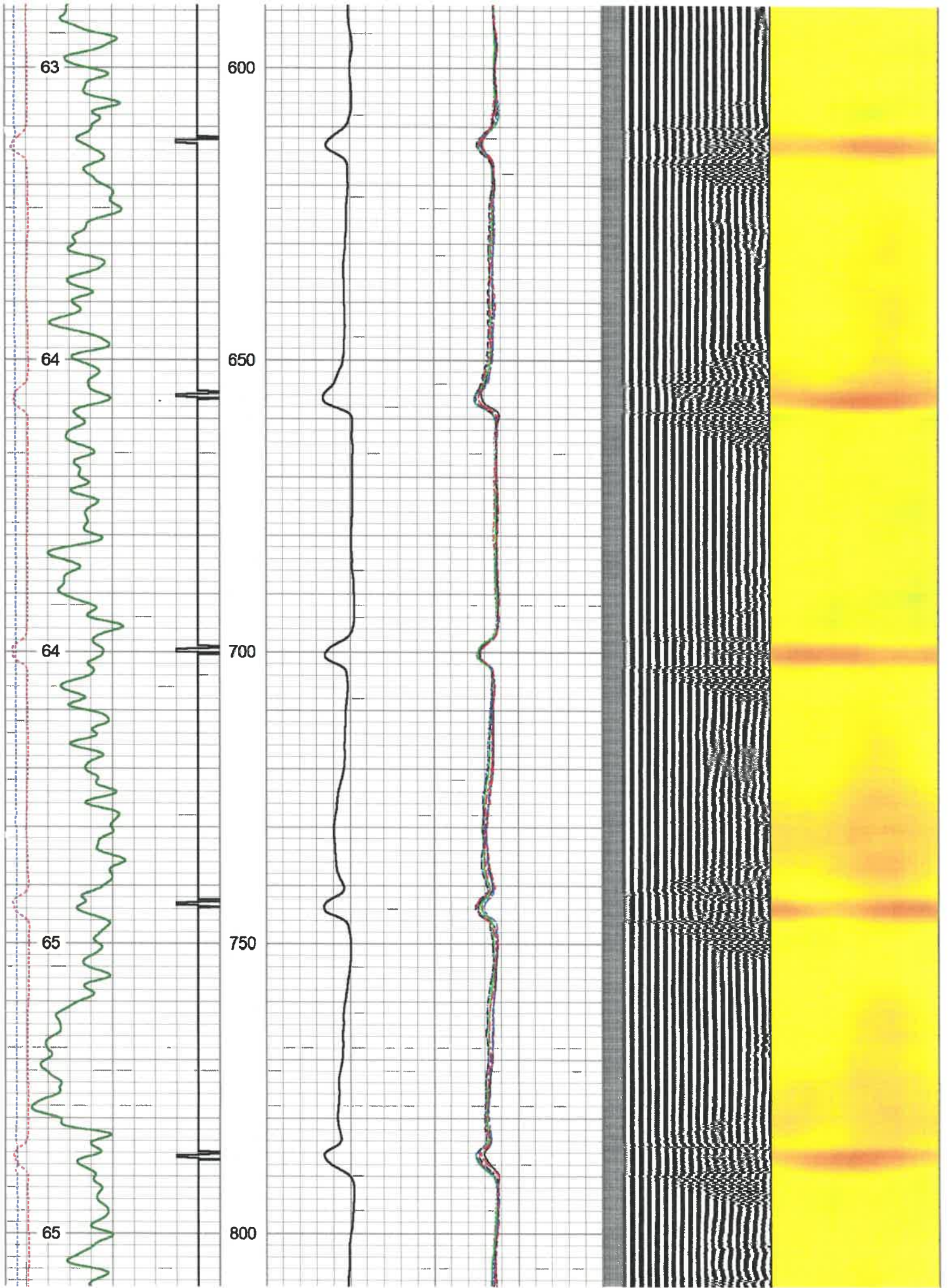
Database File c:\users\thomas.weese\desktop\bond logs\antero\colorado east\antero\_colorado\_east\_stampede\_3h\_rcbl  
 Dataset Pathname Marcellus/Stampede\_3H/RCBL\_1/pass4  
 Presentation Format scbl03  
 Dataset Creation Sun Mar 15 11:22:54 2020  
 Charted by Depth in Feet scaled 1:240

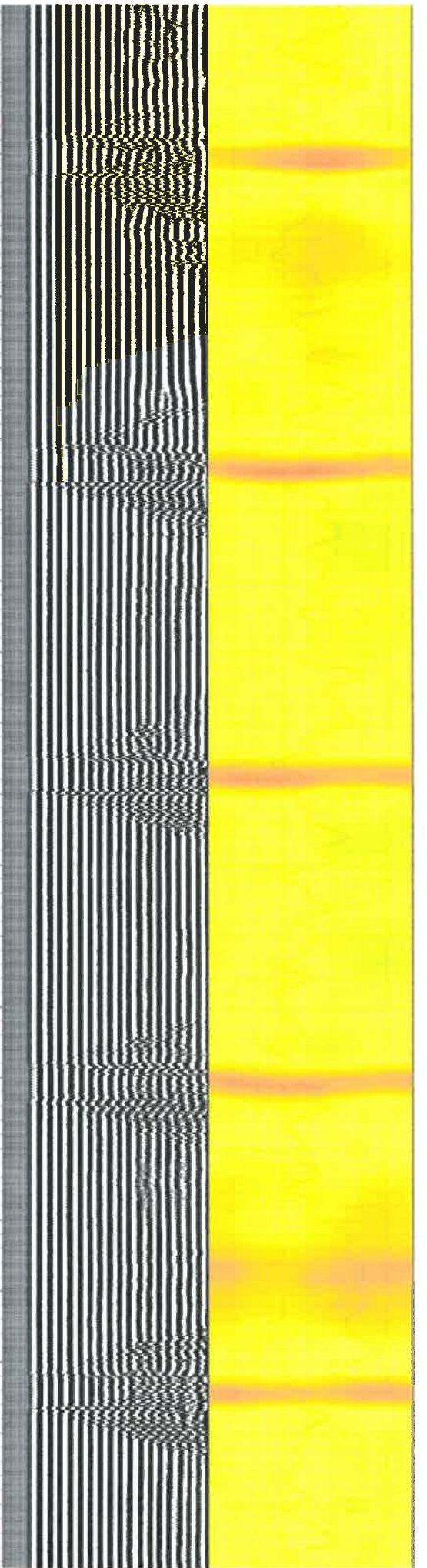
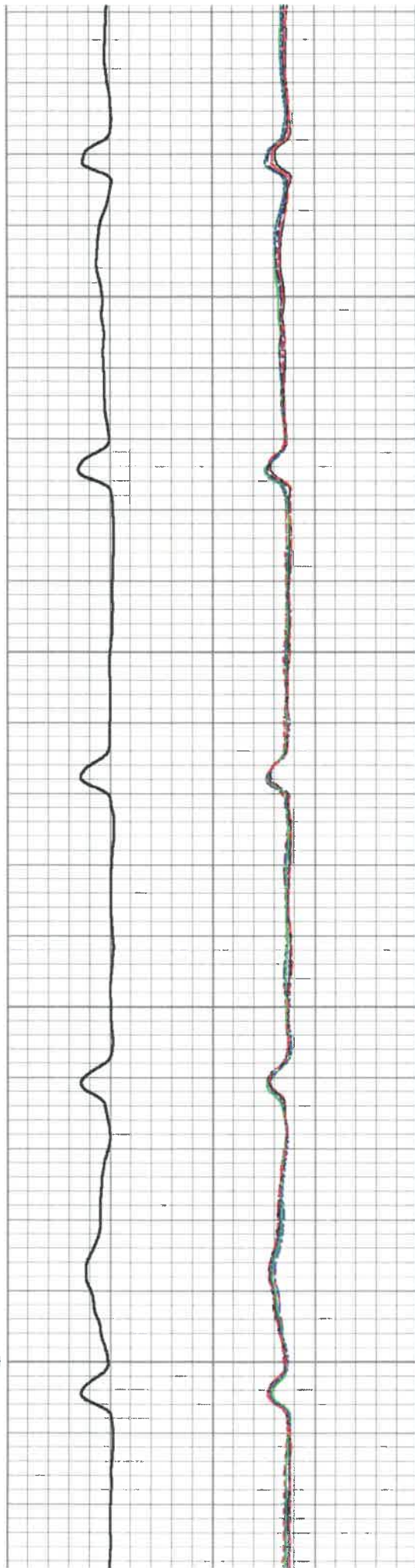
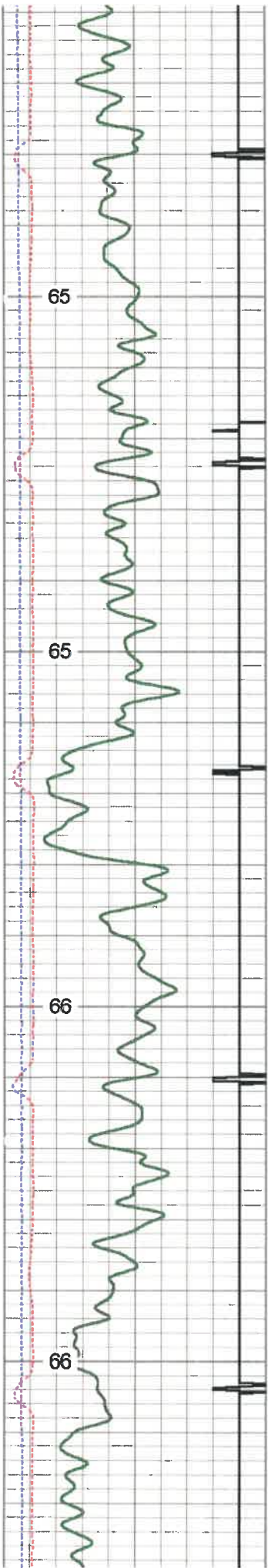
260	Travel Time (usec)	200	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
Casing Collar			Amplified Amplitude		-5	Sector 2	150	200	(usec)	1200		
0	Gamma Ray (GAPI)	150	0	(mV)	10	-5	Sector 3	150				
0	LTEN (lb)	2500				-5	Sector 4	150				
Temp (degF)						-5	Sector 5	150				
						-5	Sector 6	150				
						-5	Sector 7	150				
						-5	Sector 8	150				

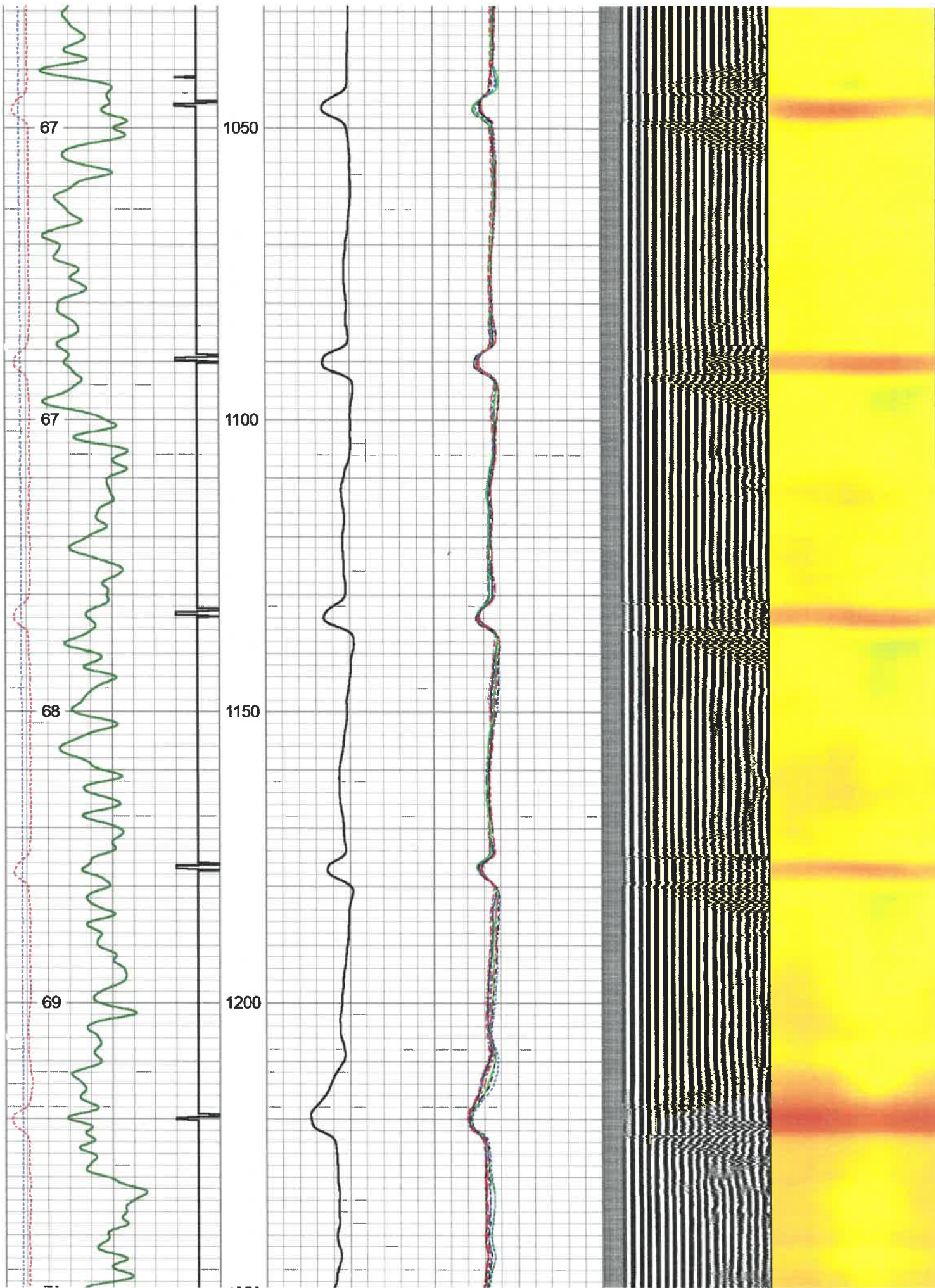


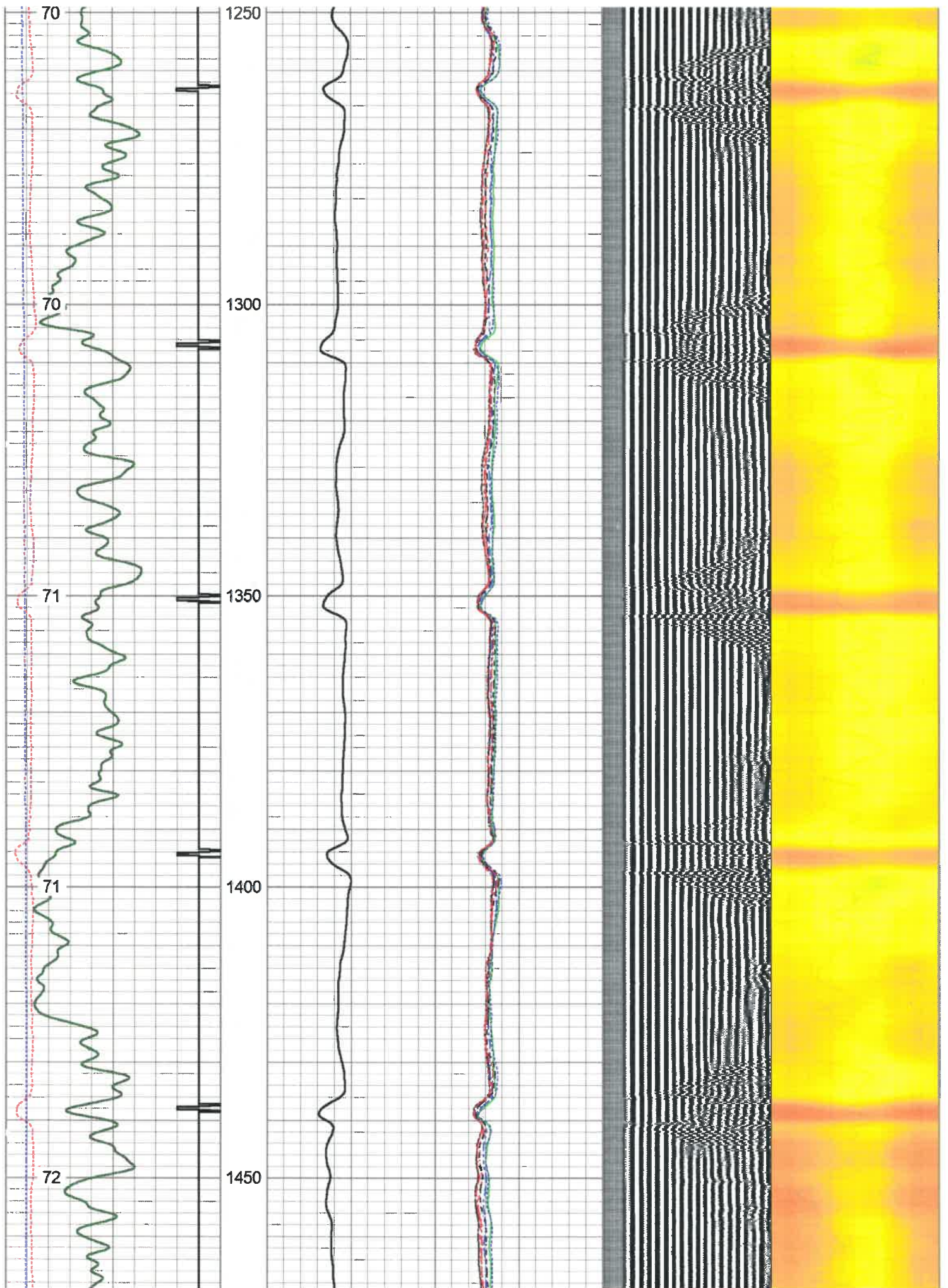




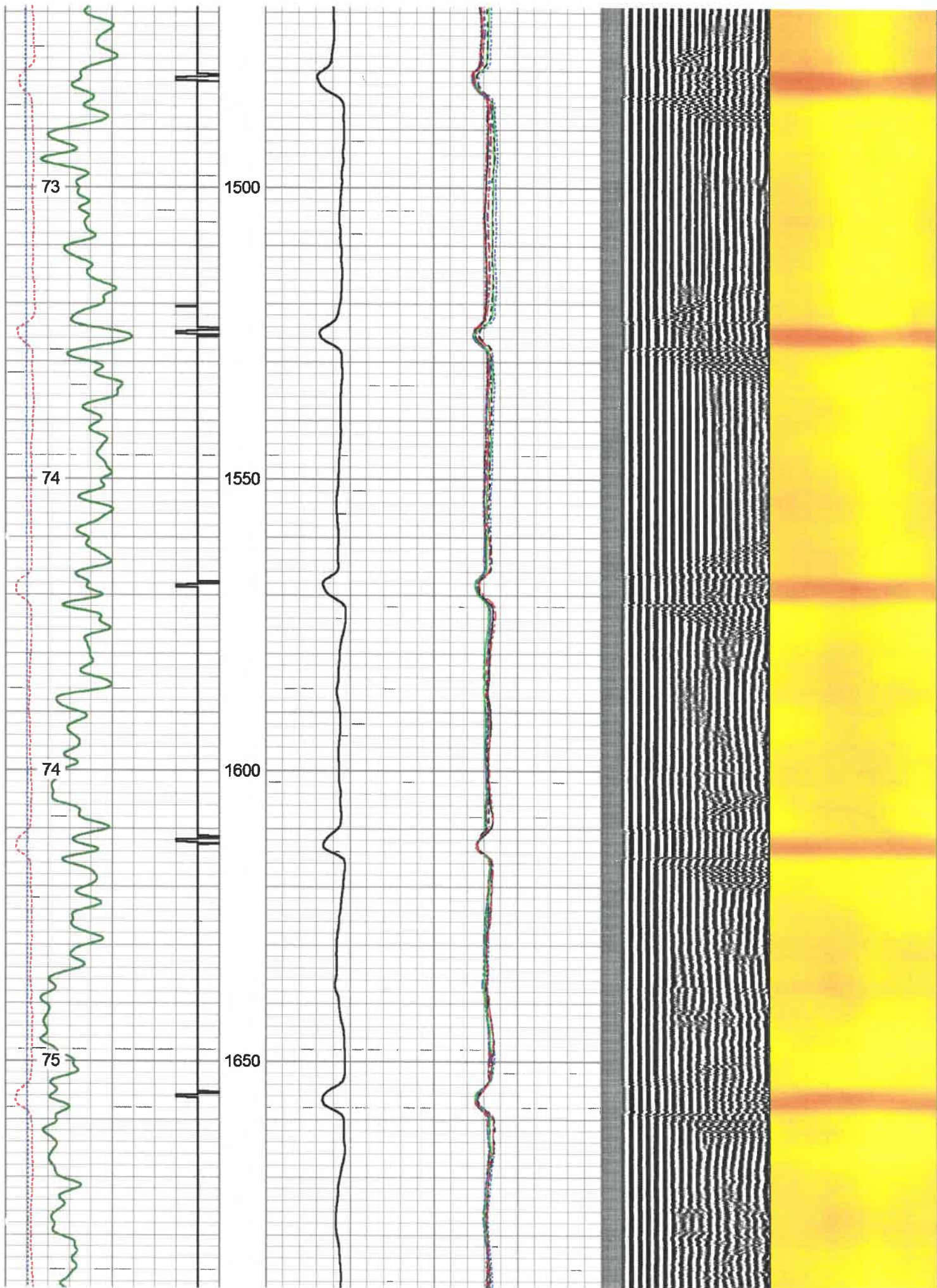


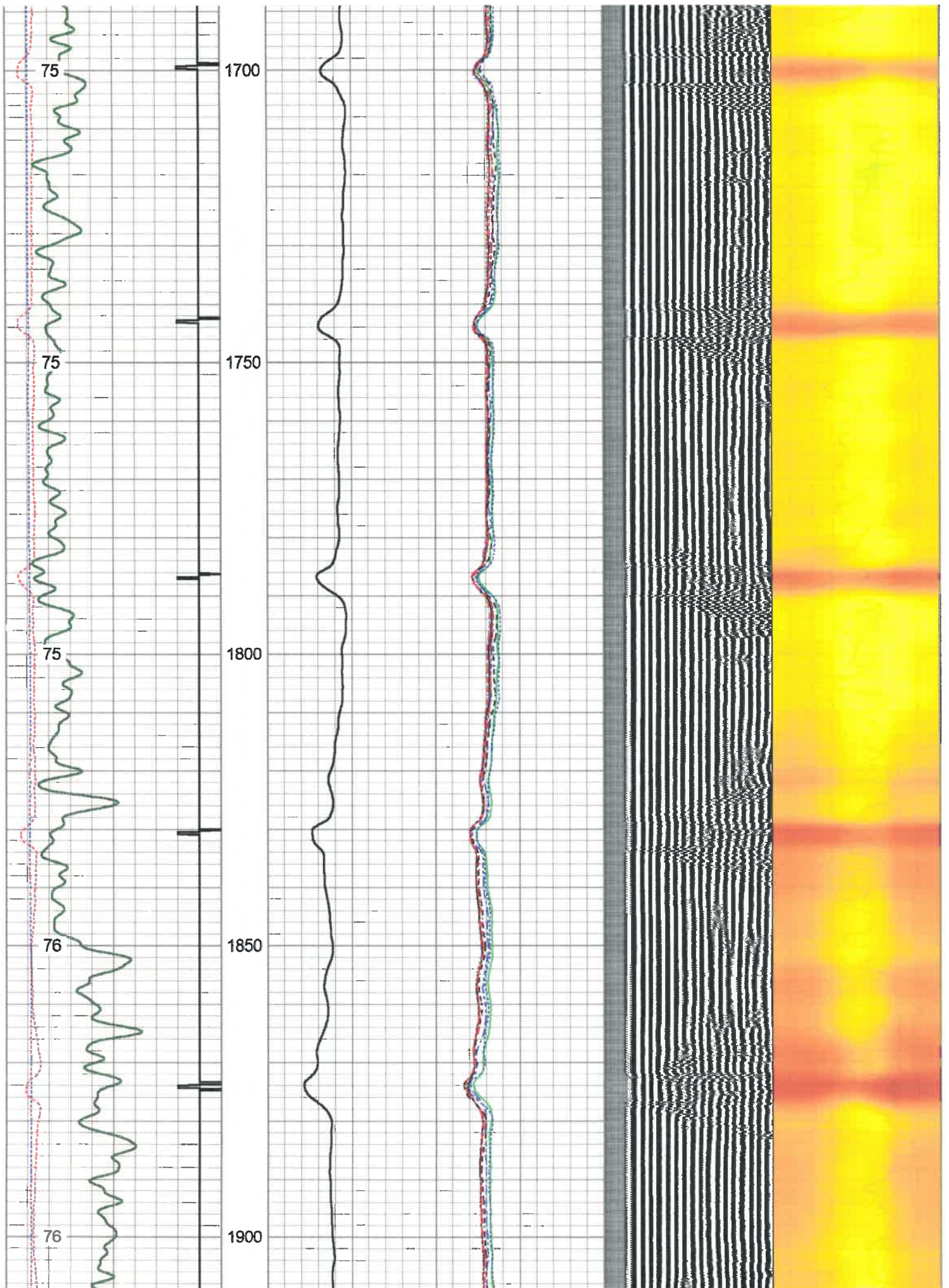




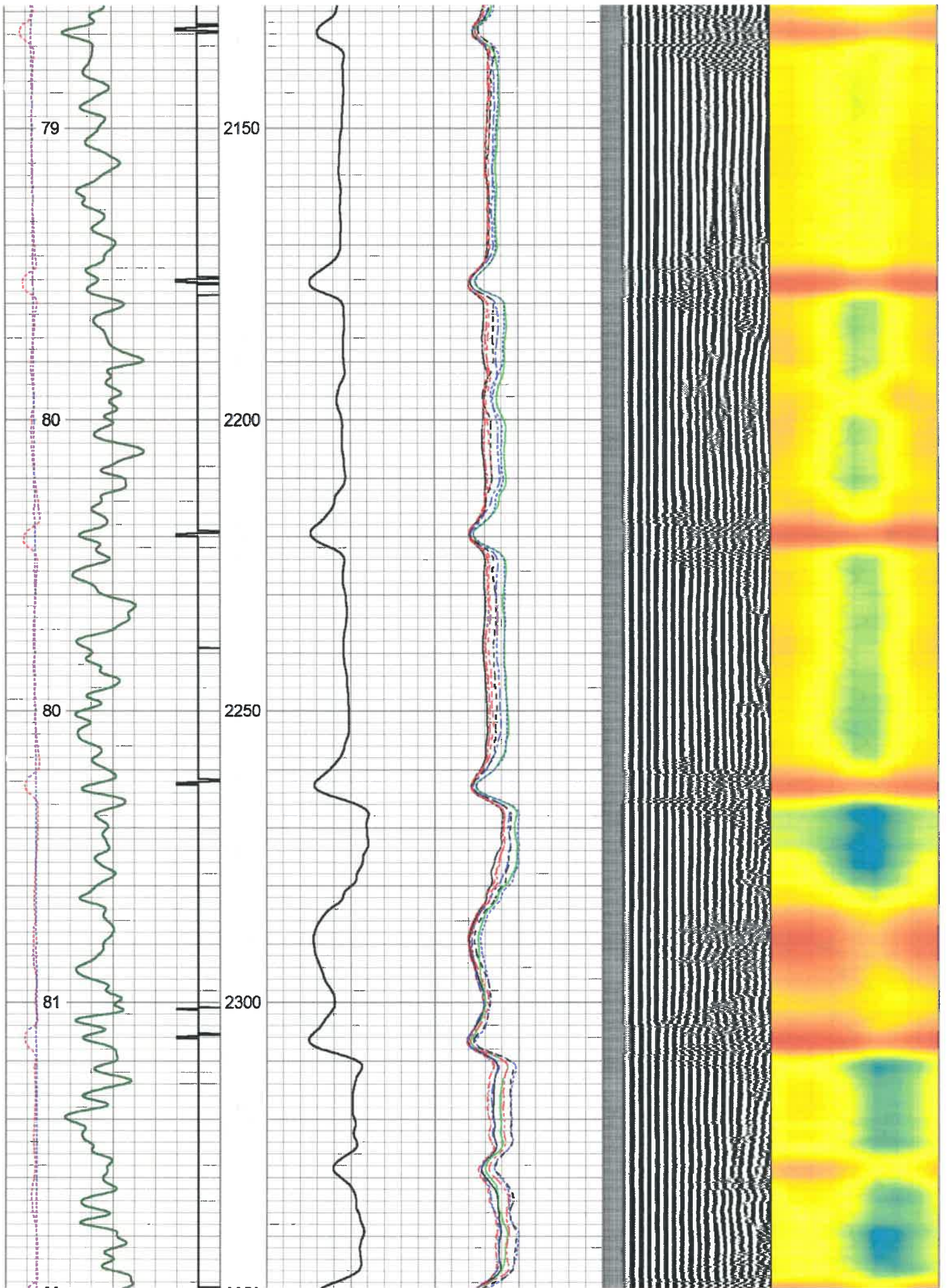


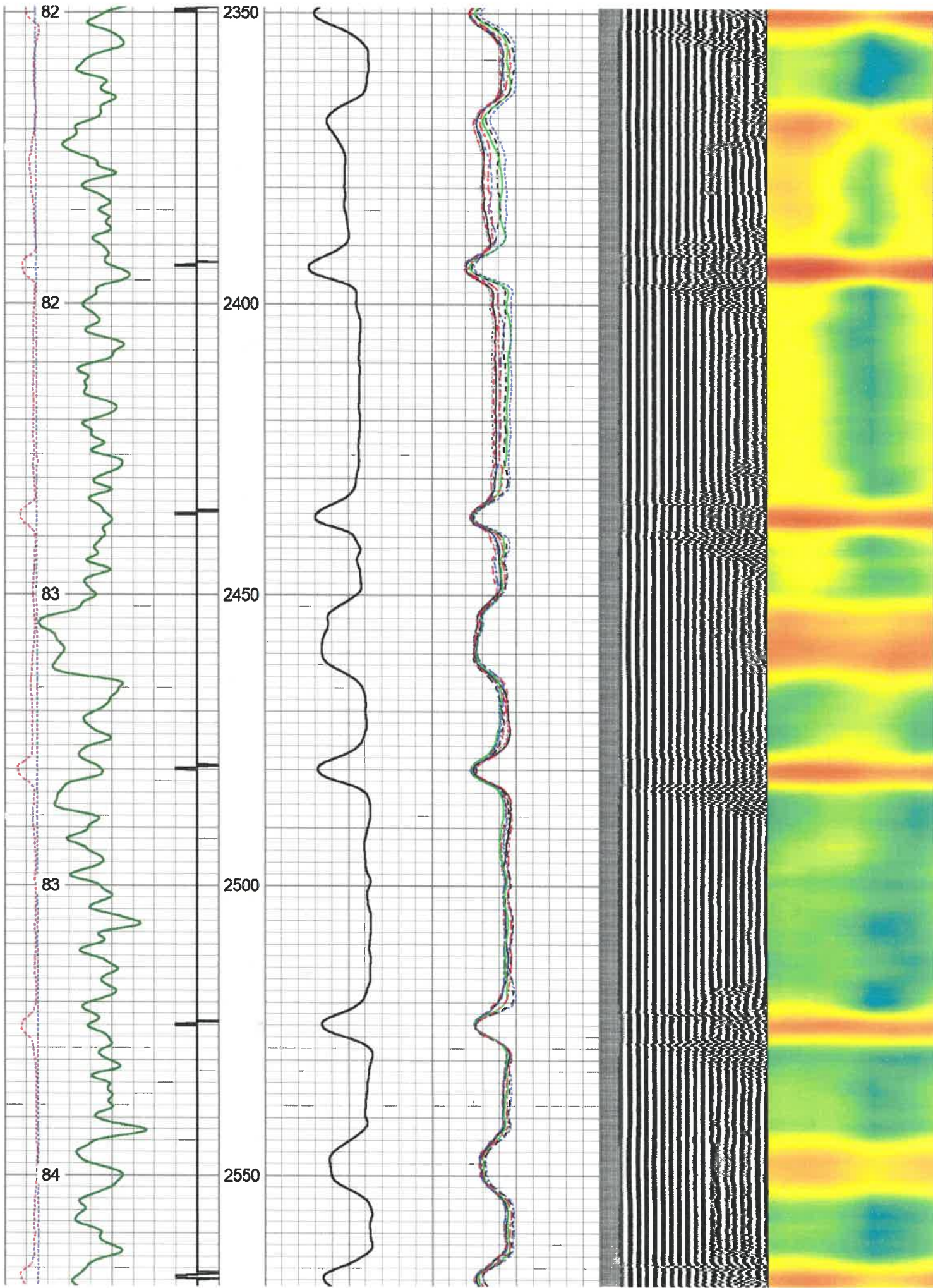


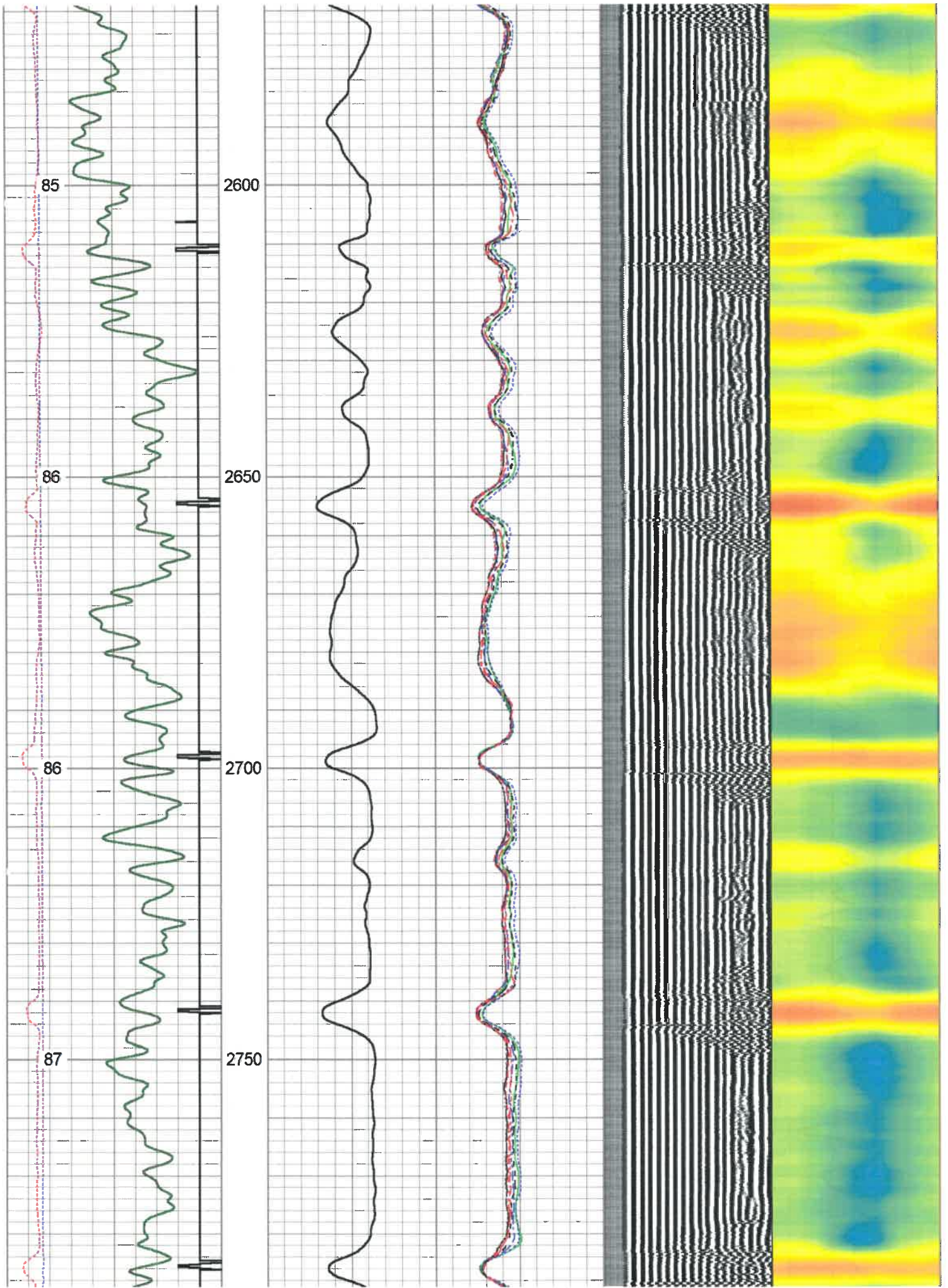


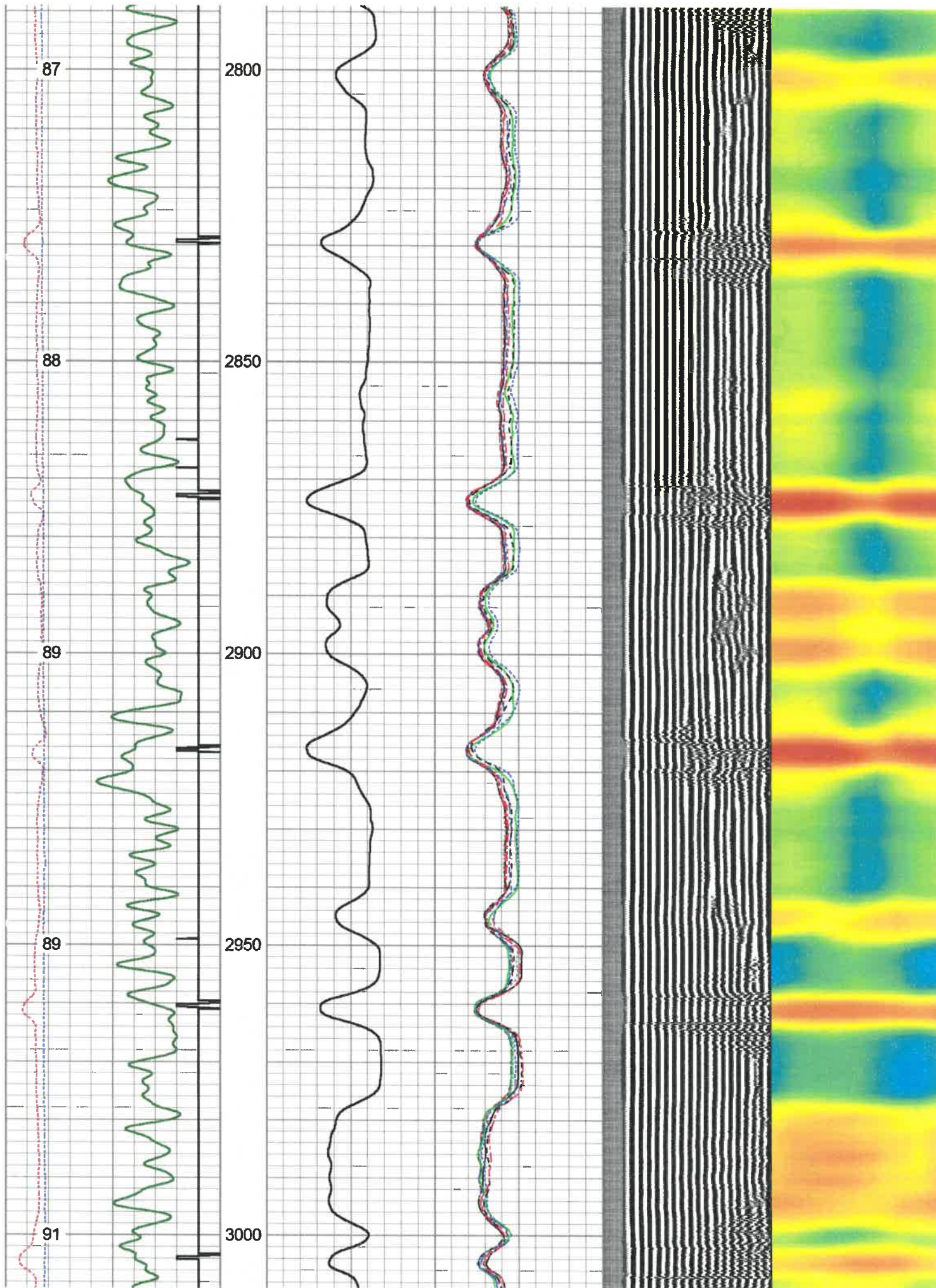


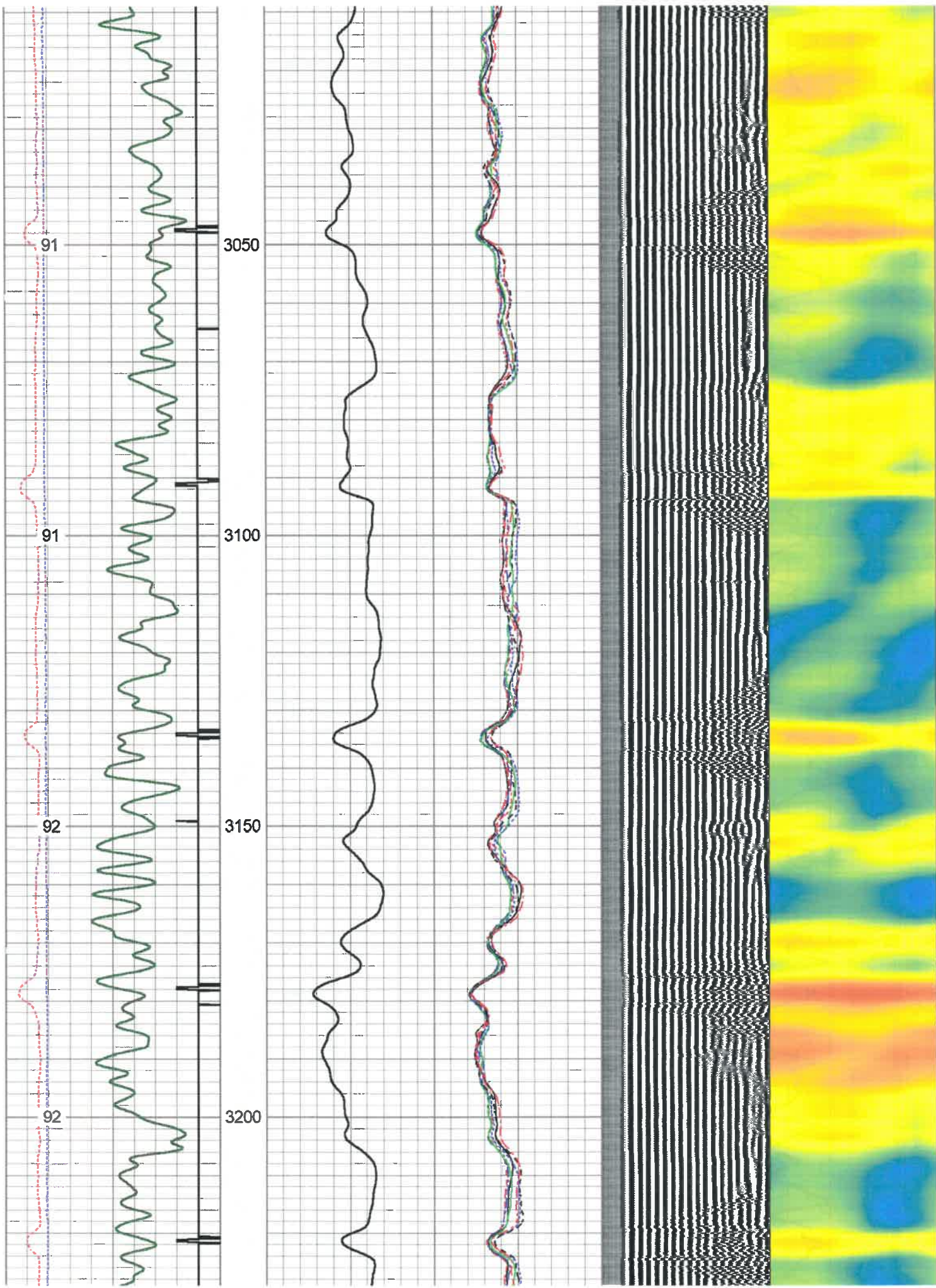




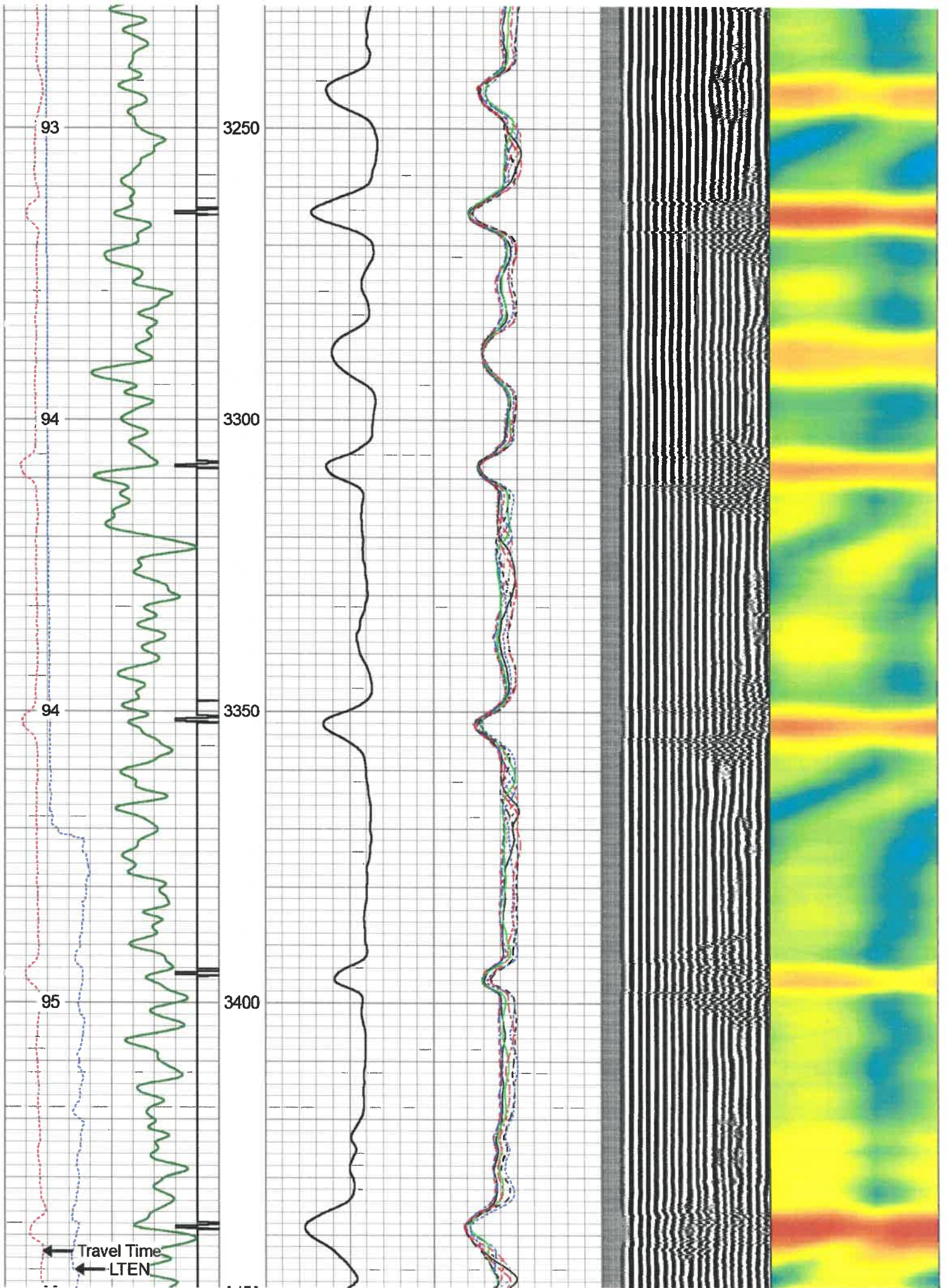


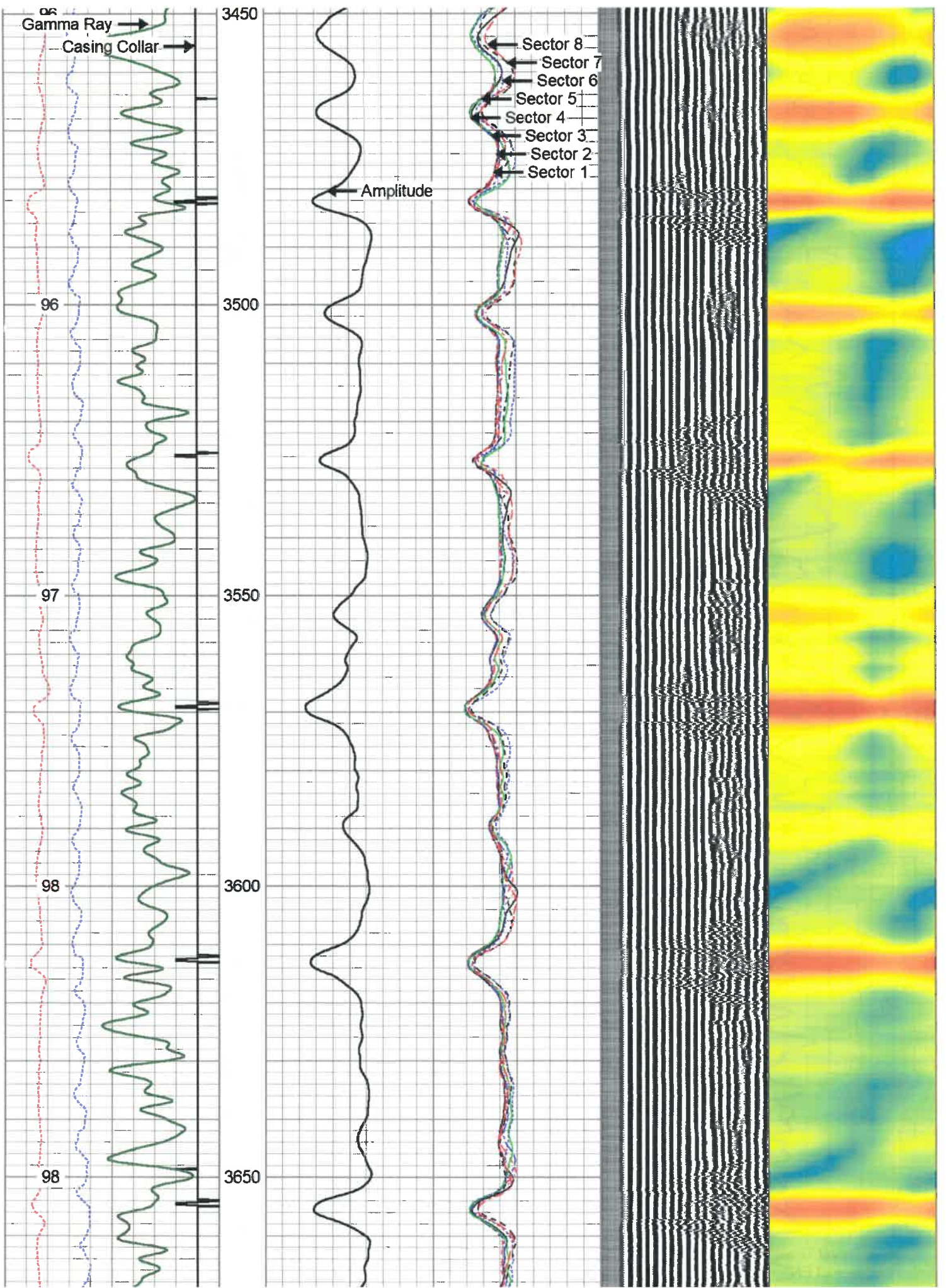


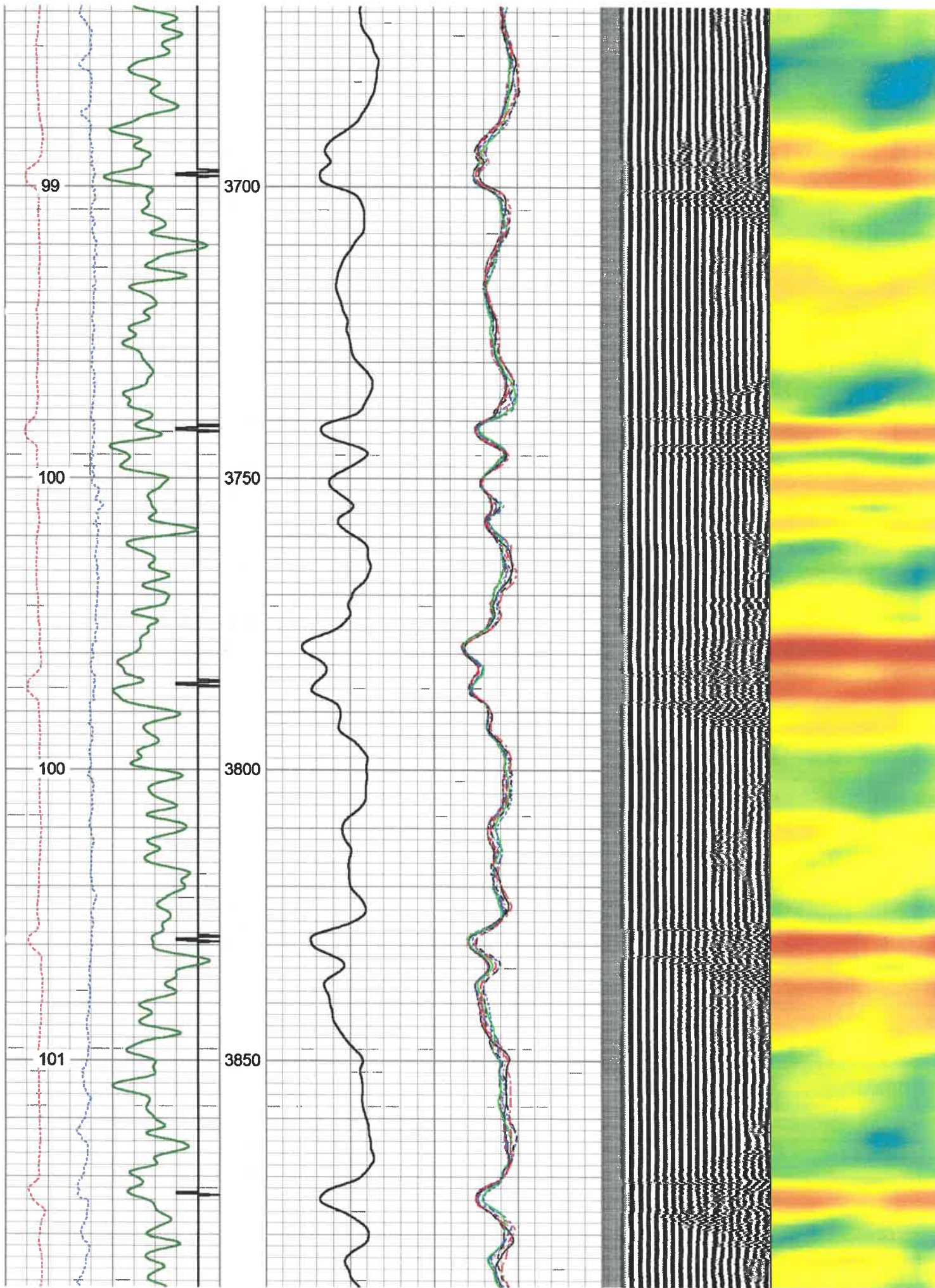


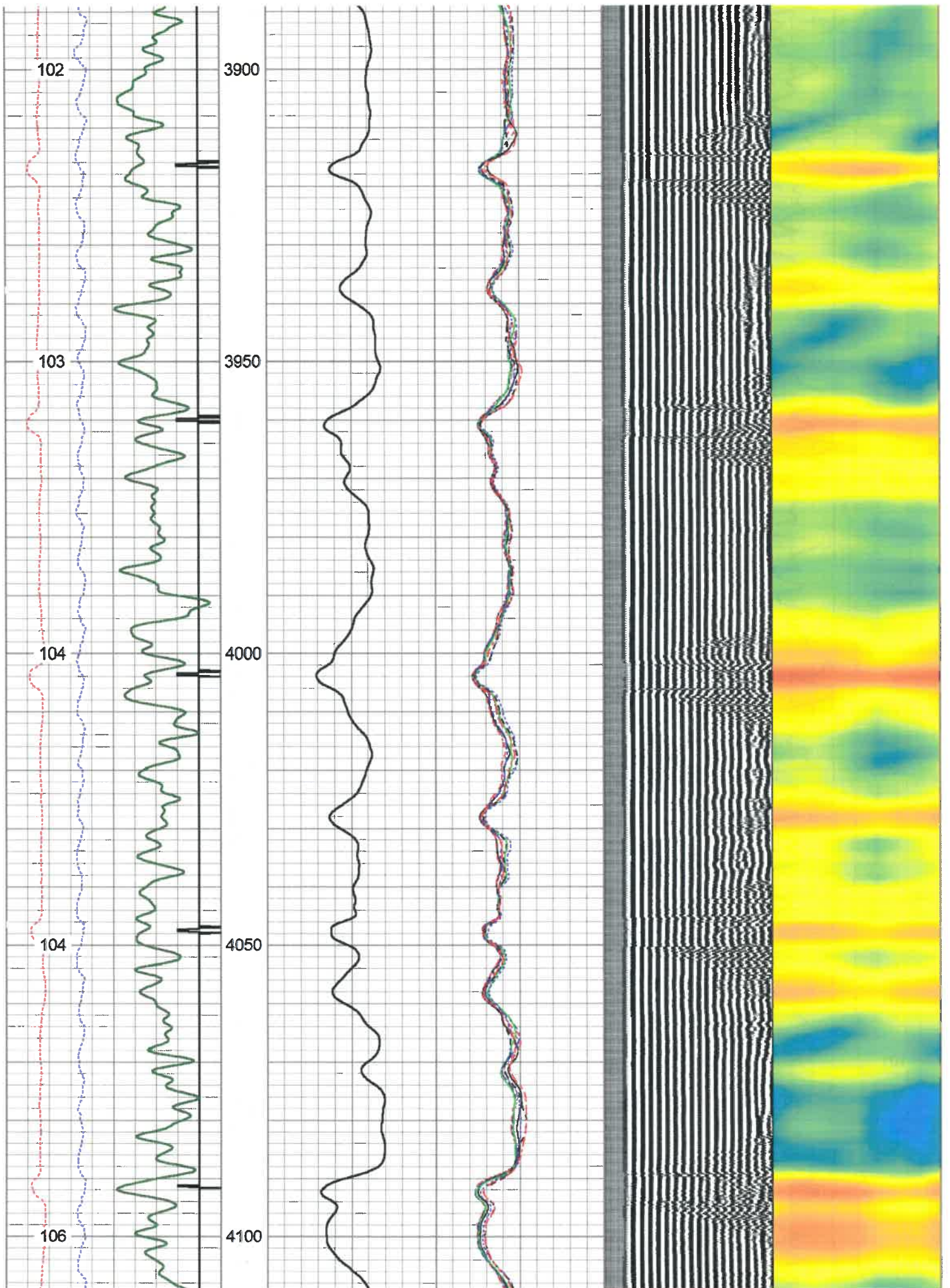


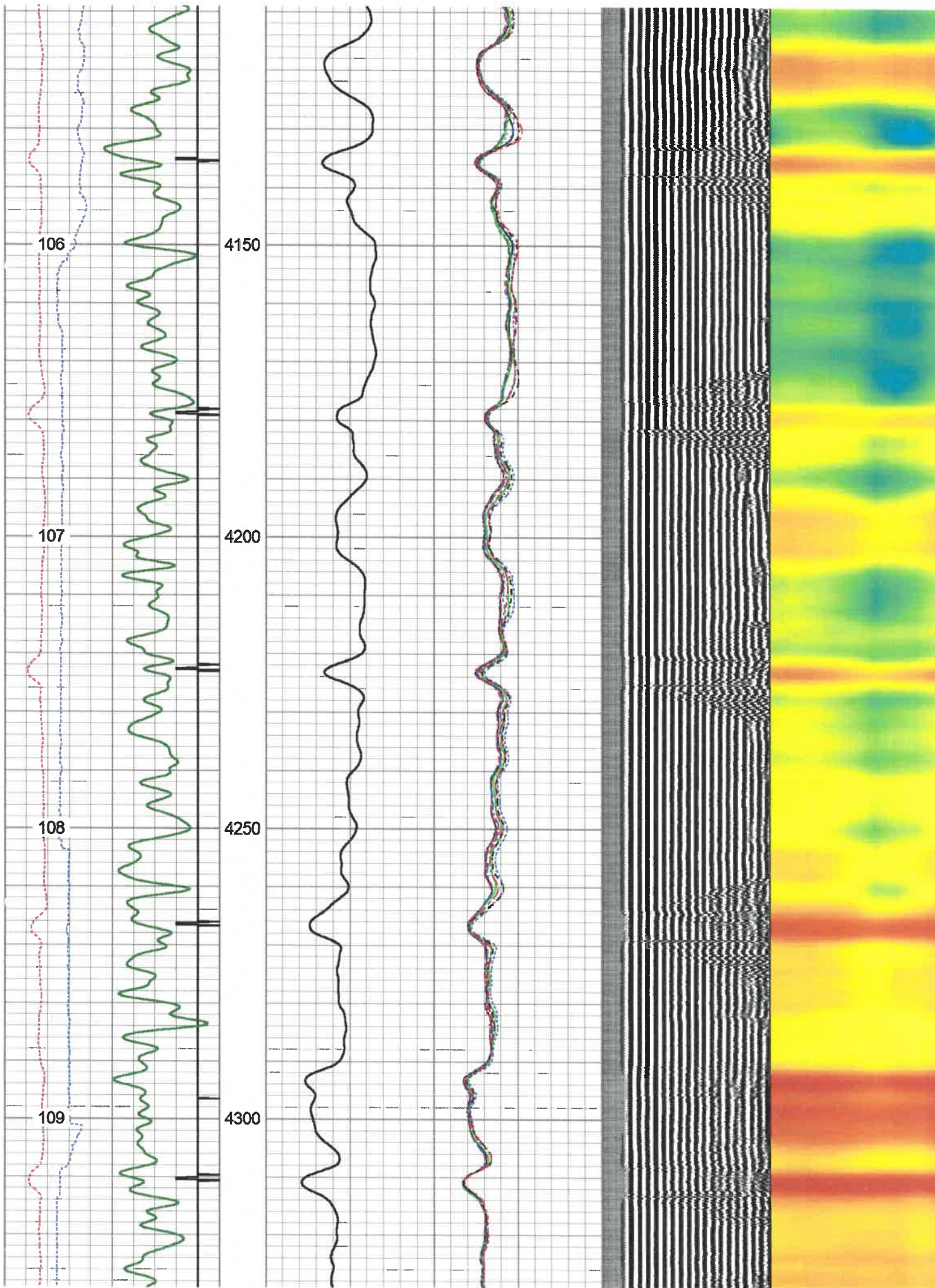


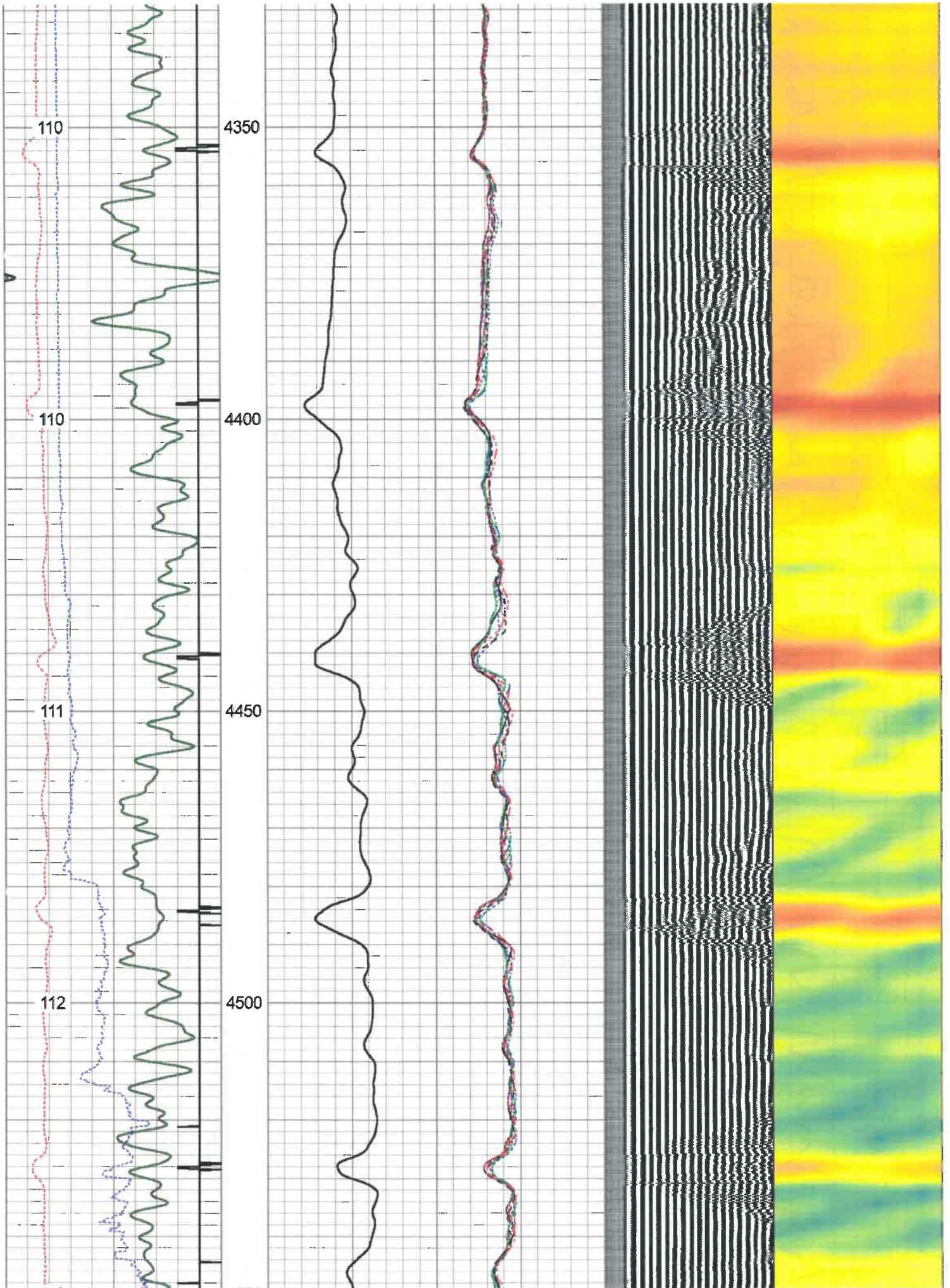


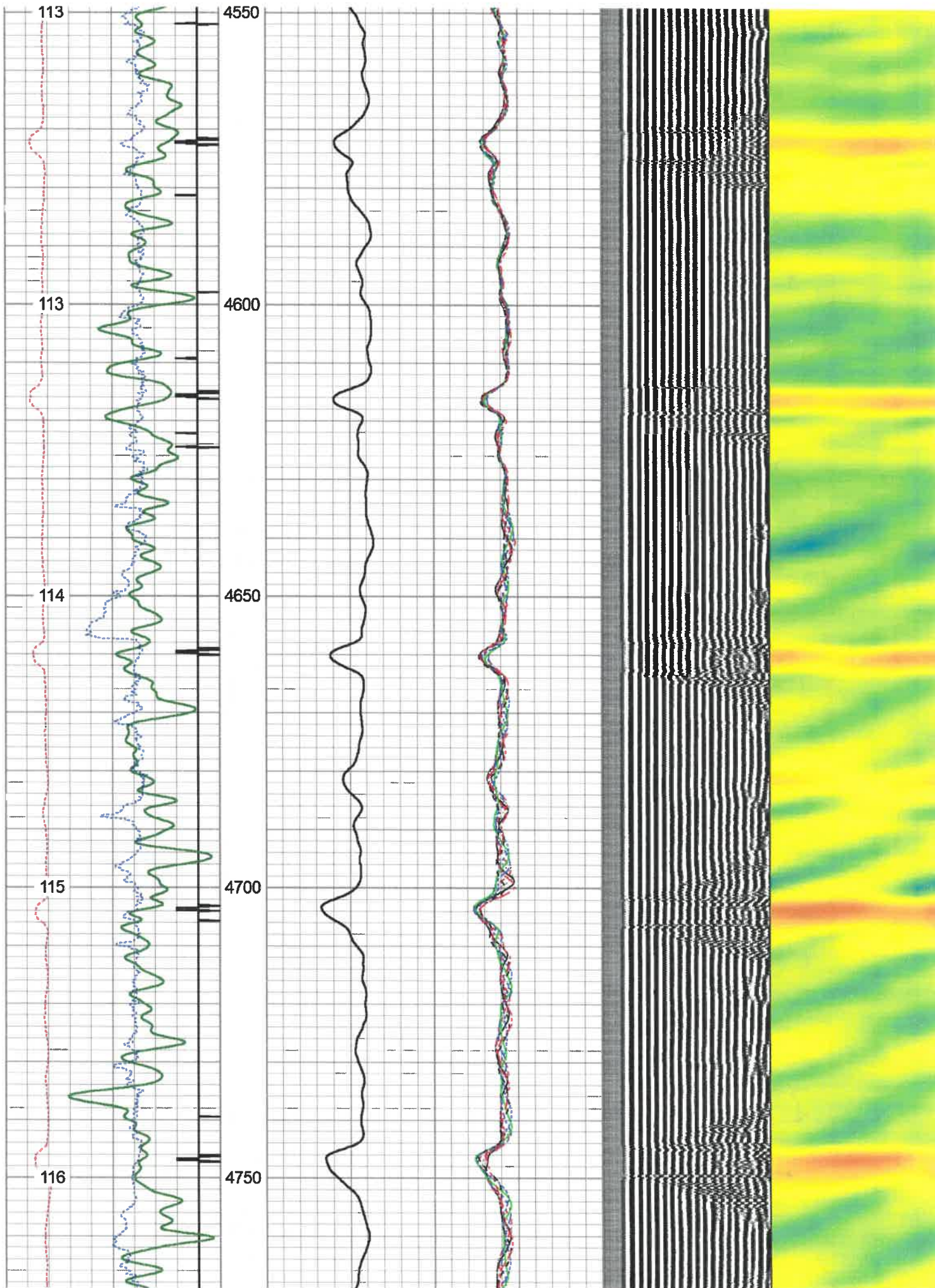


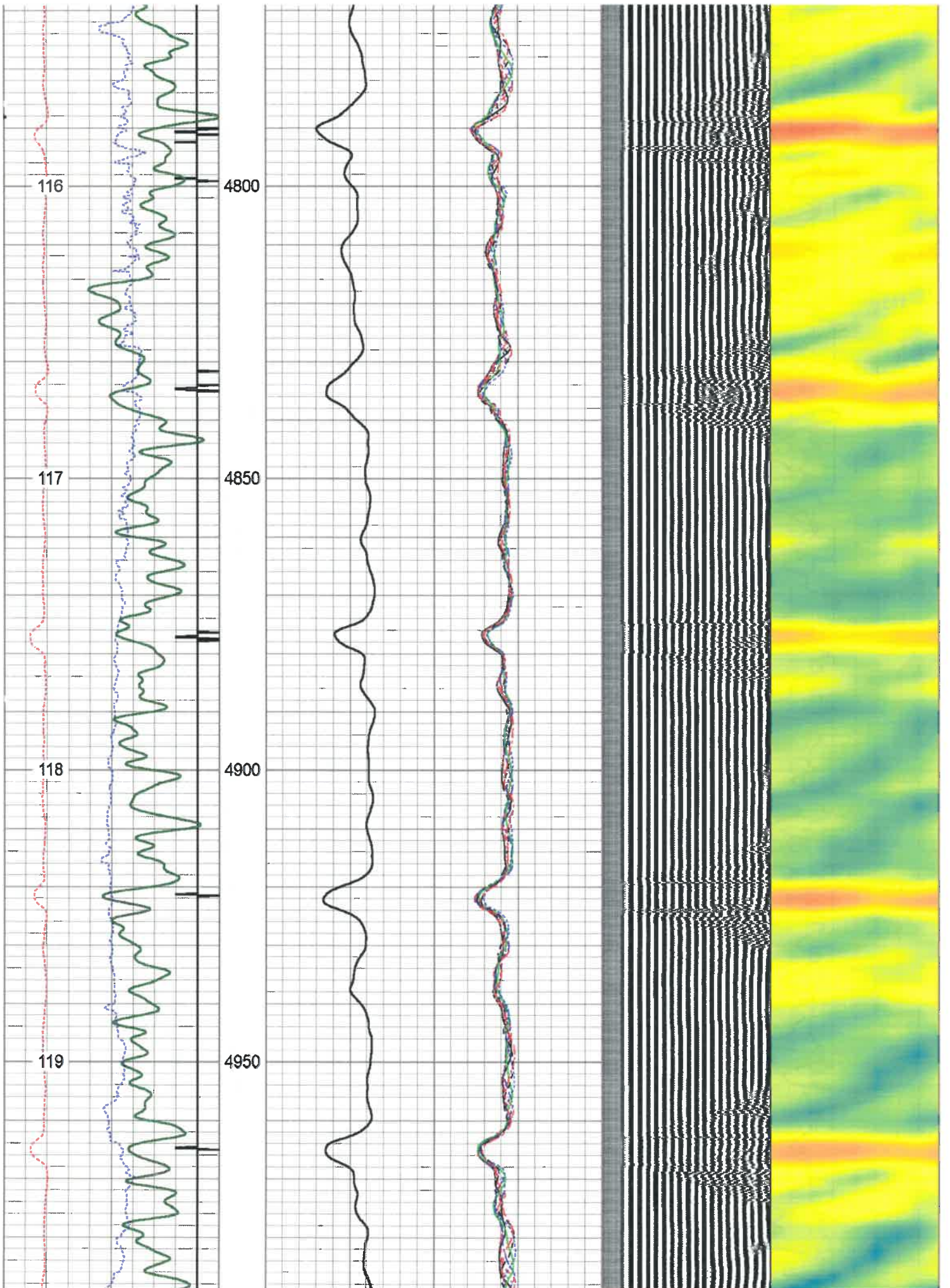




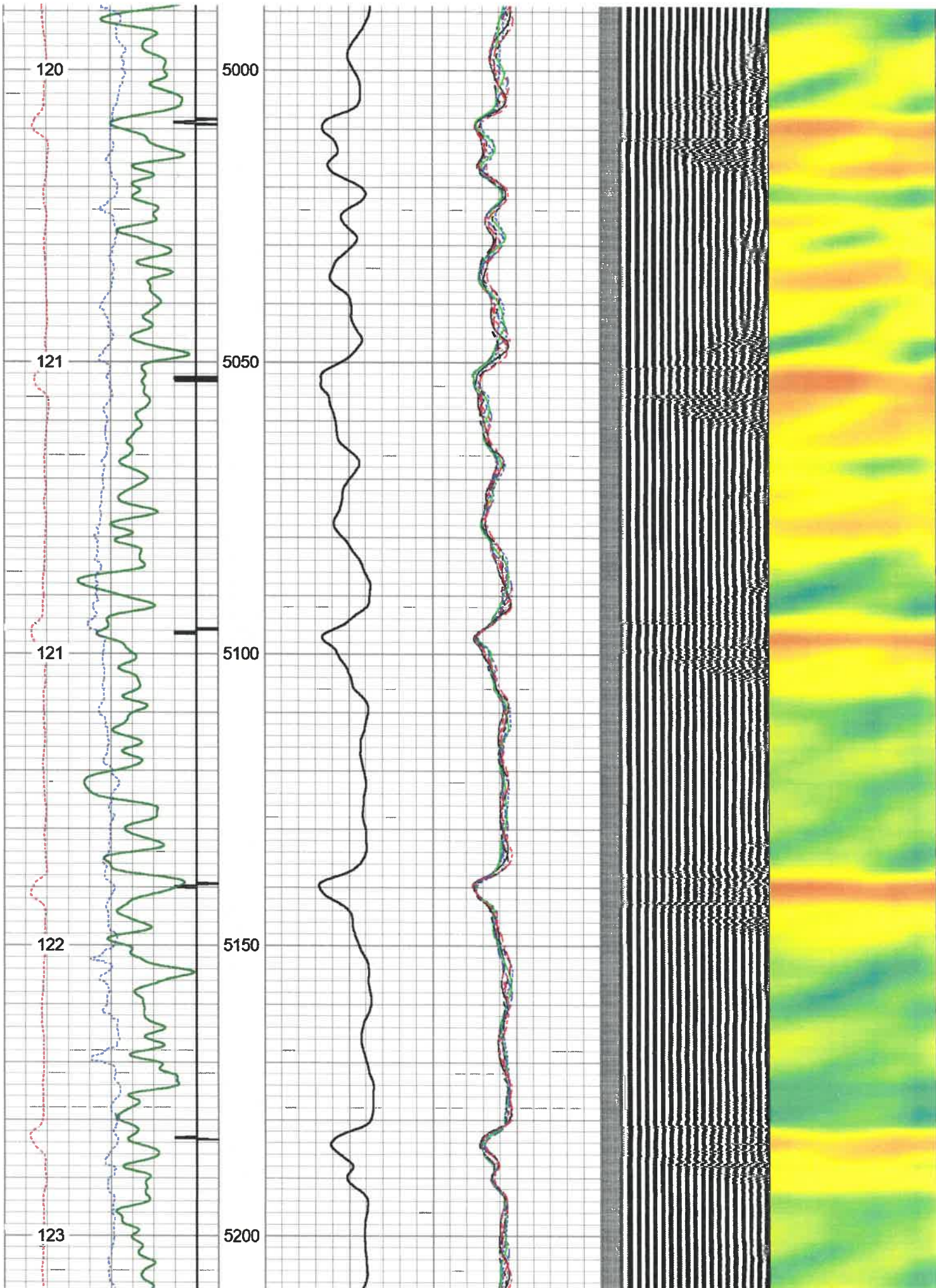


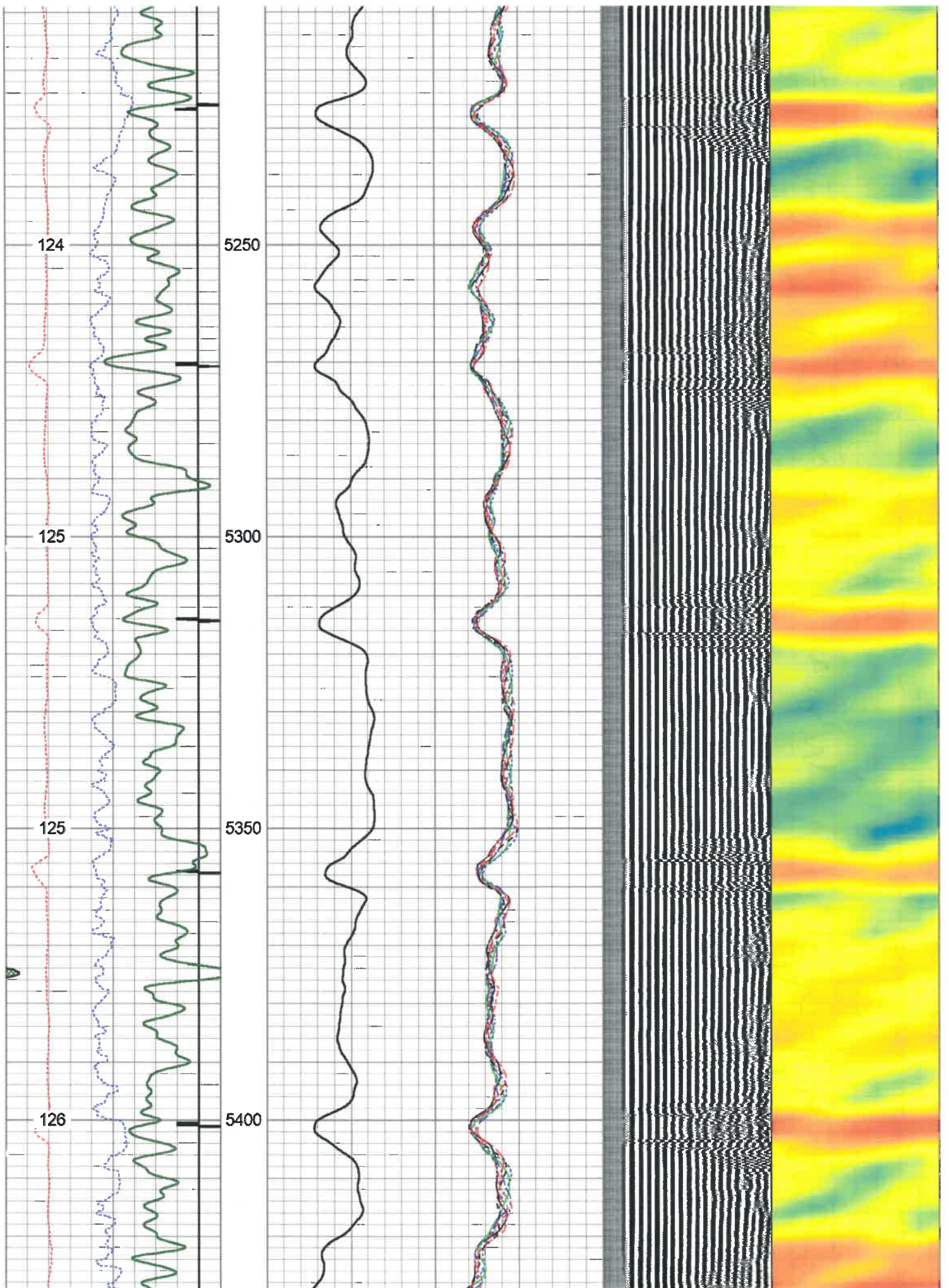


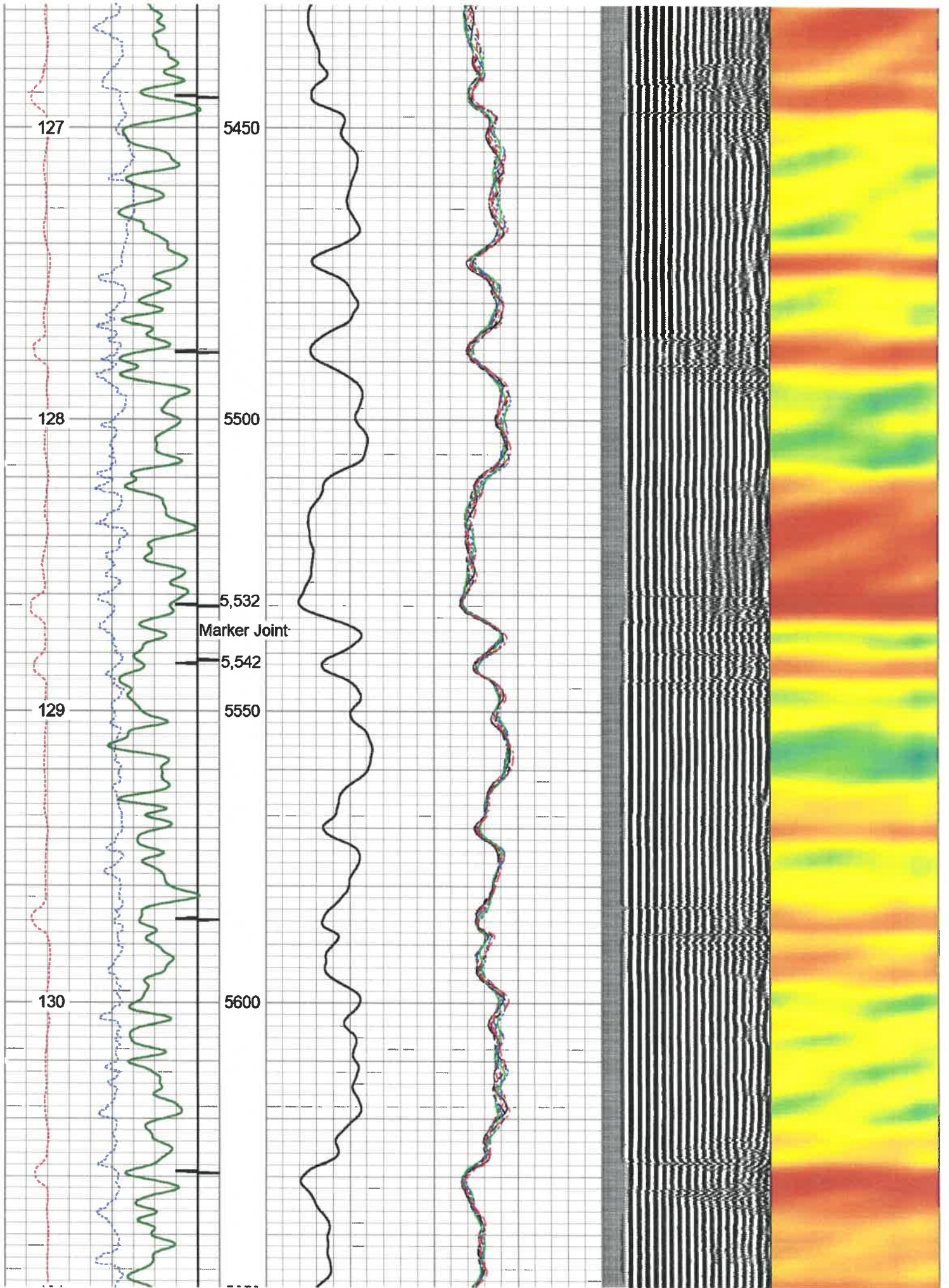


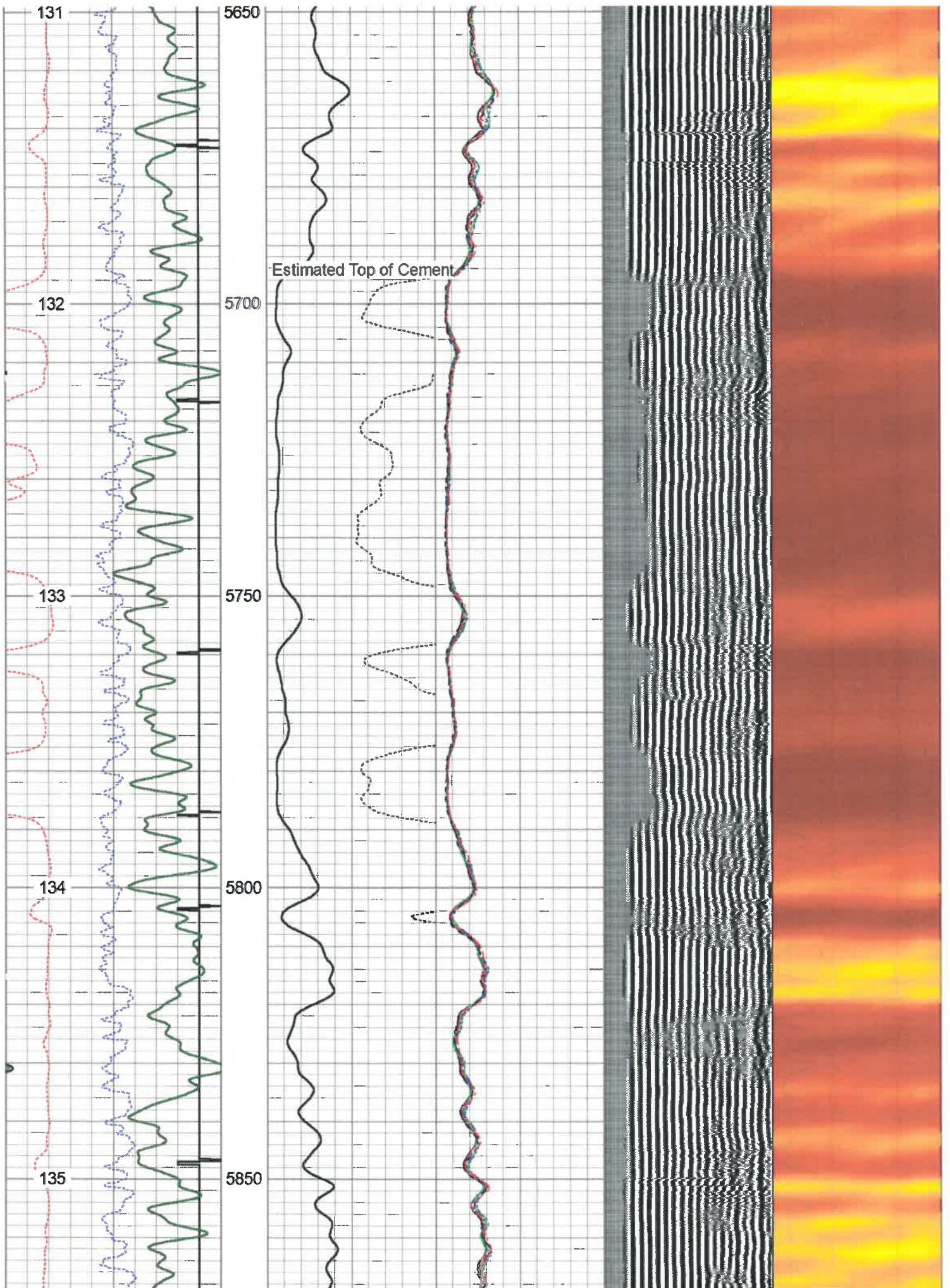


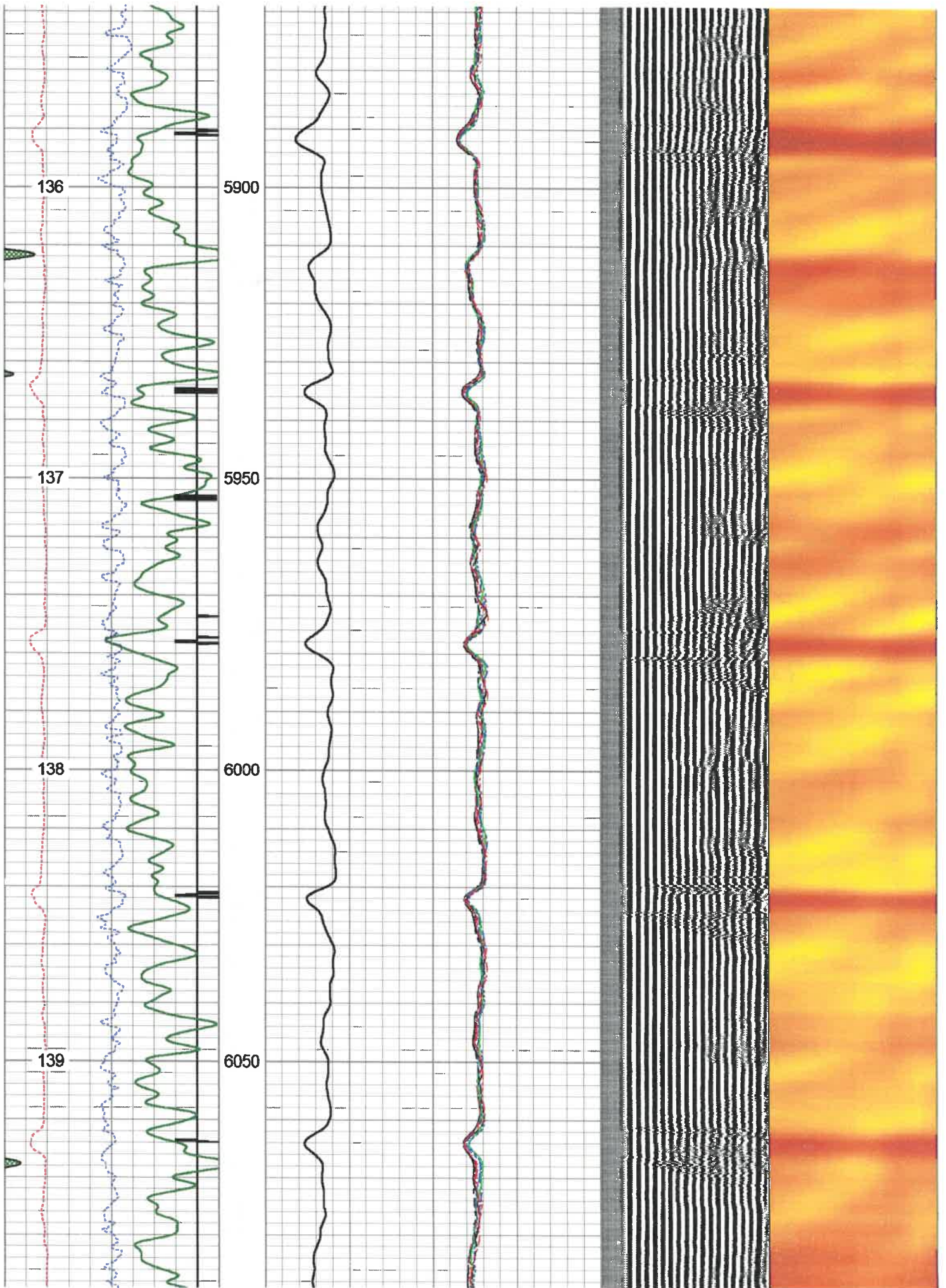


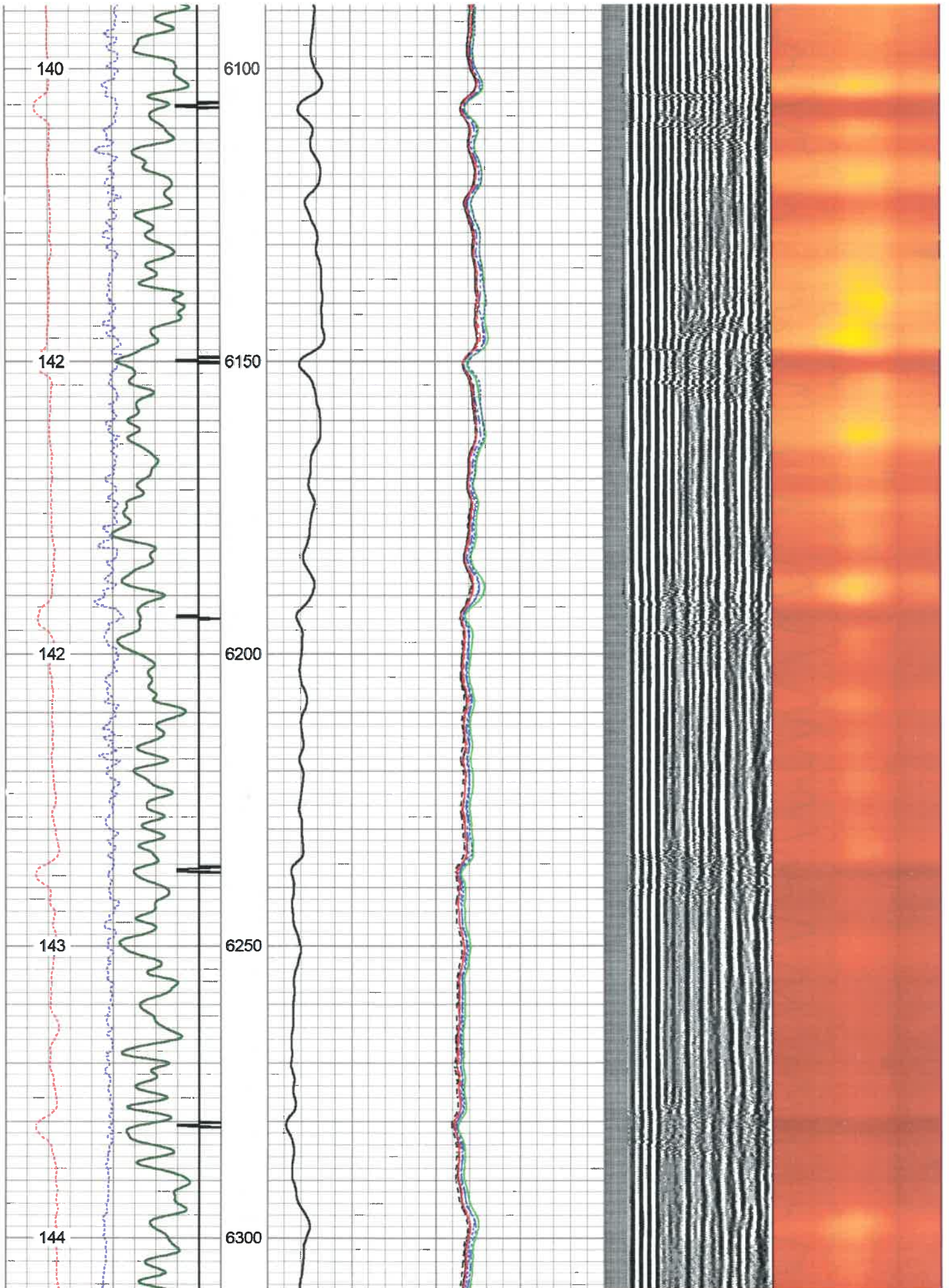


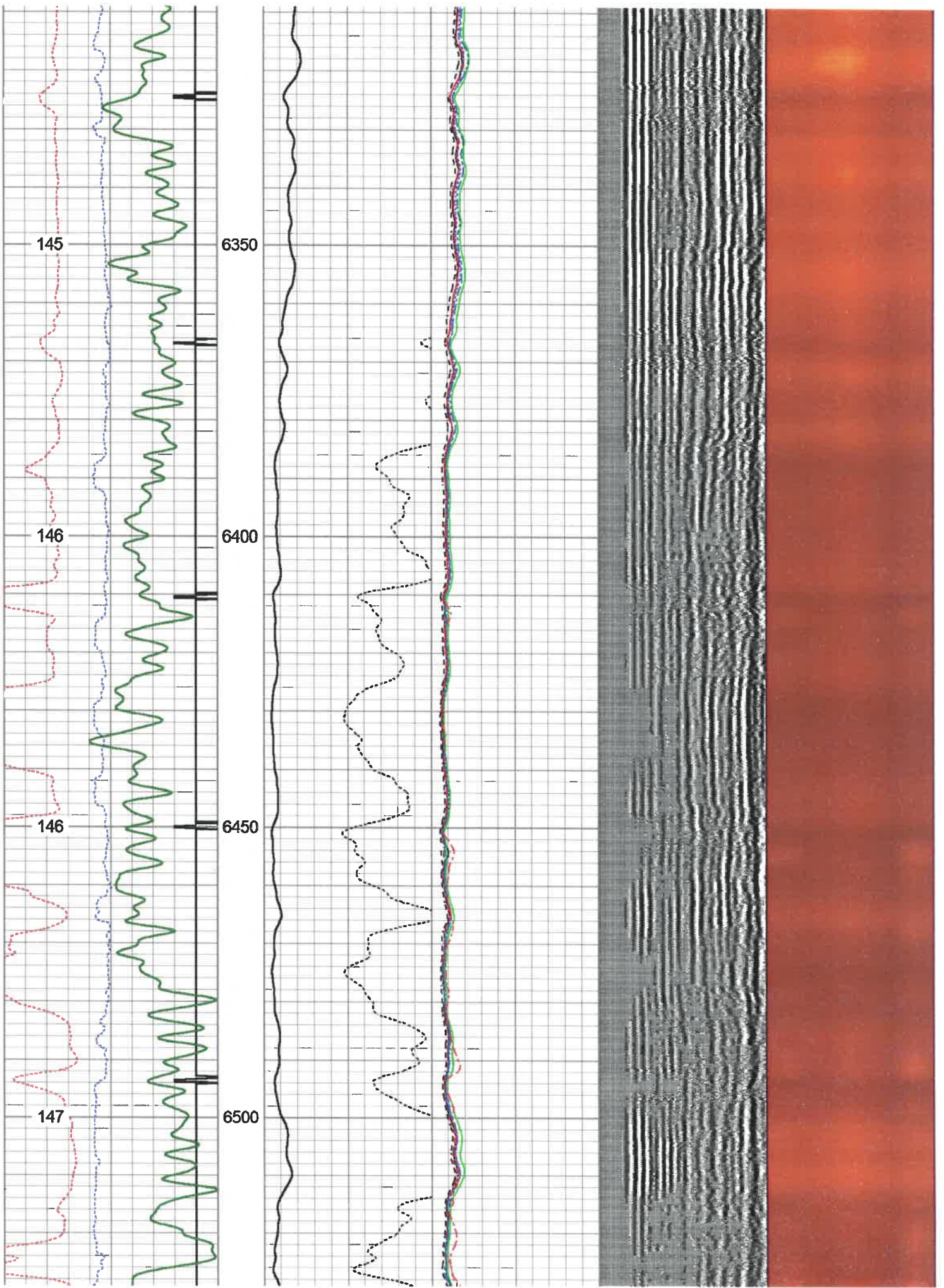


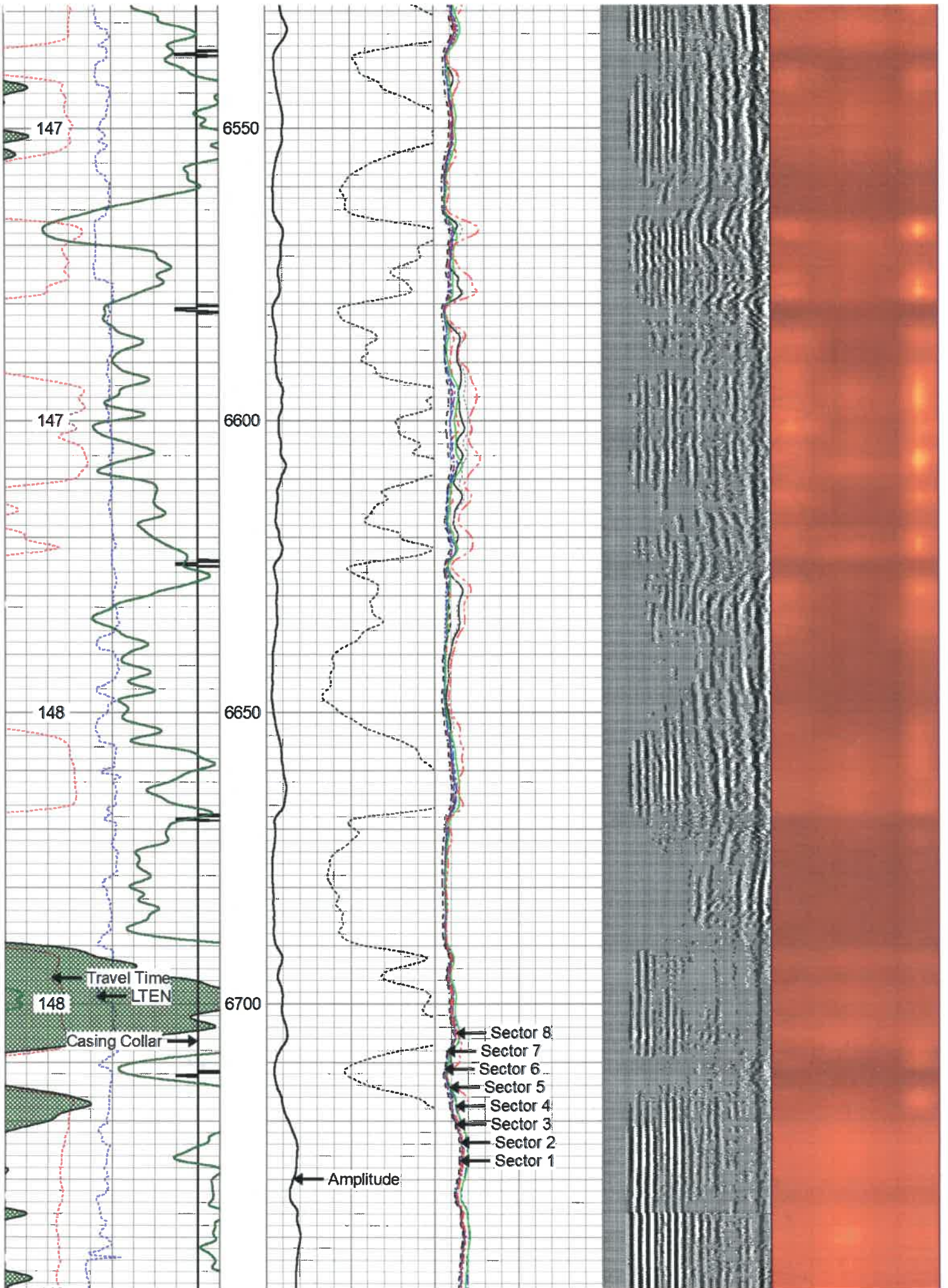




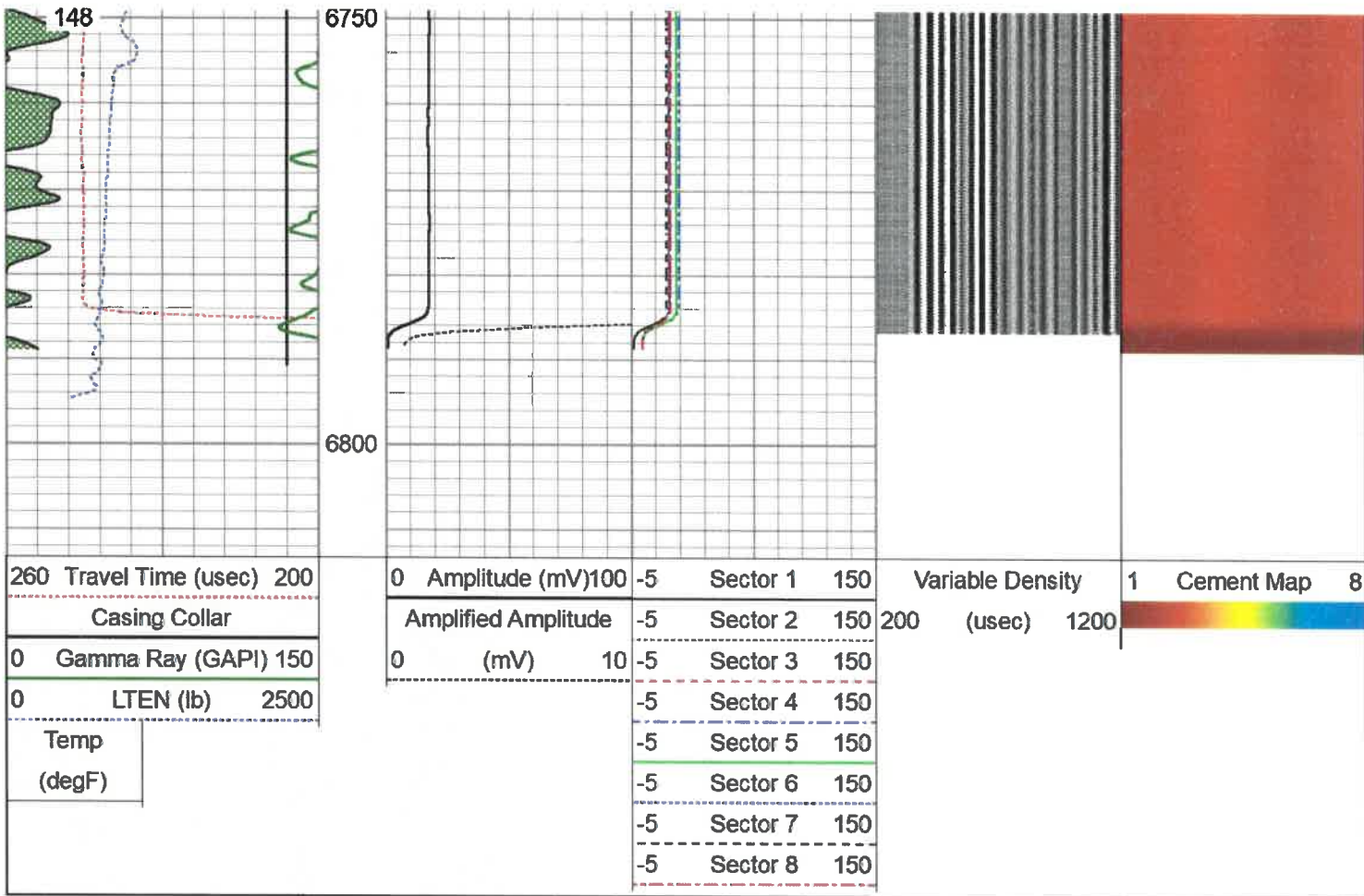






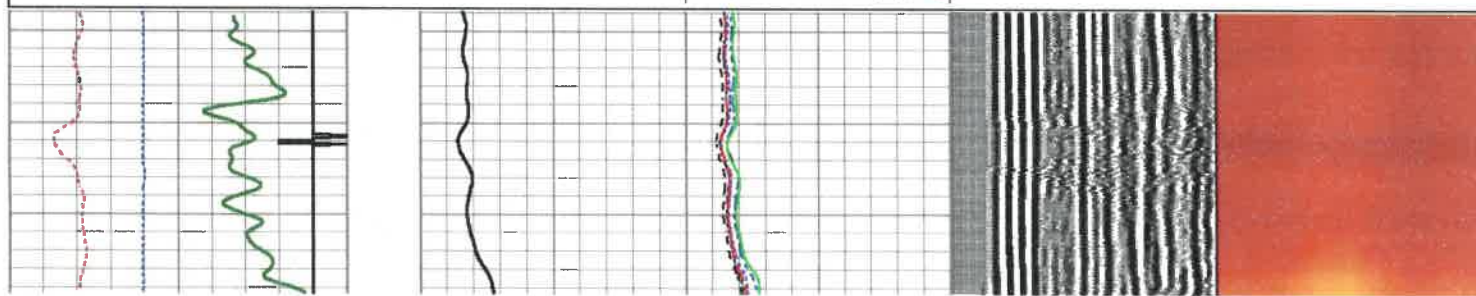
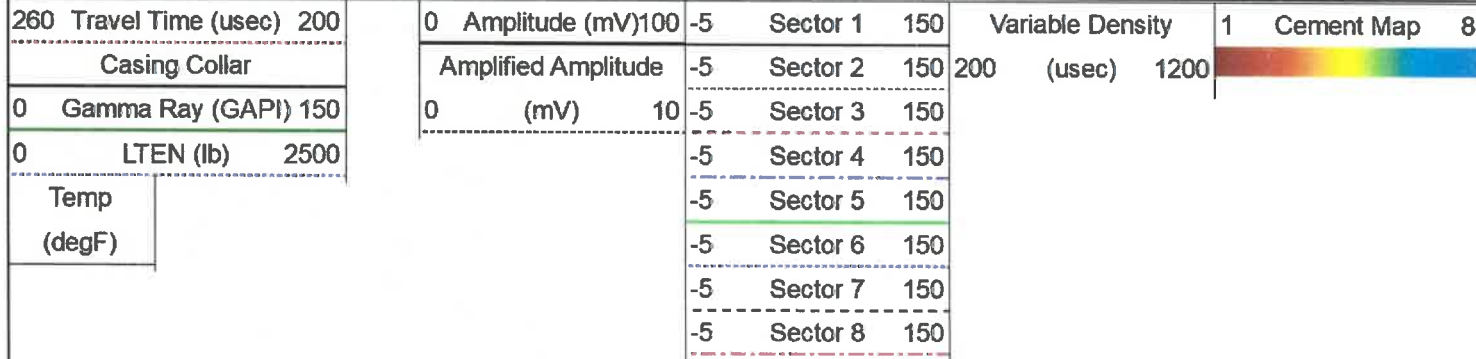


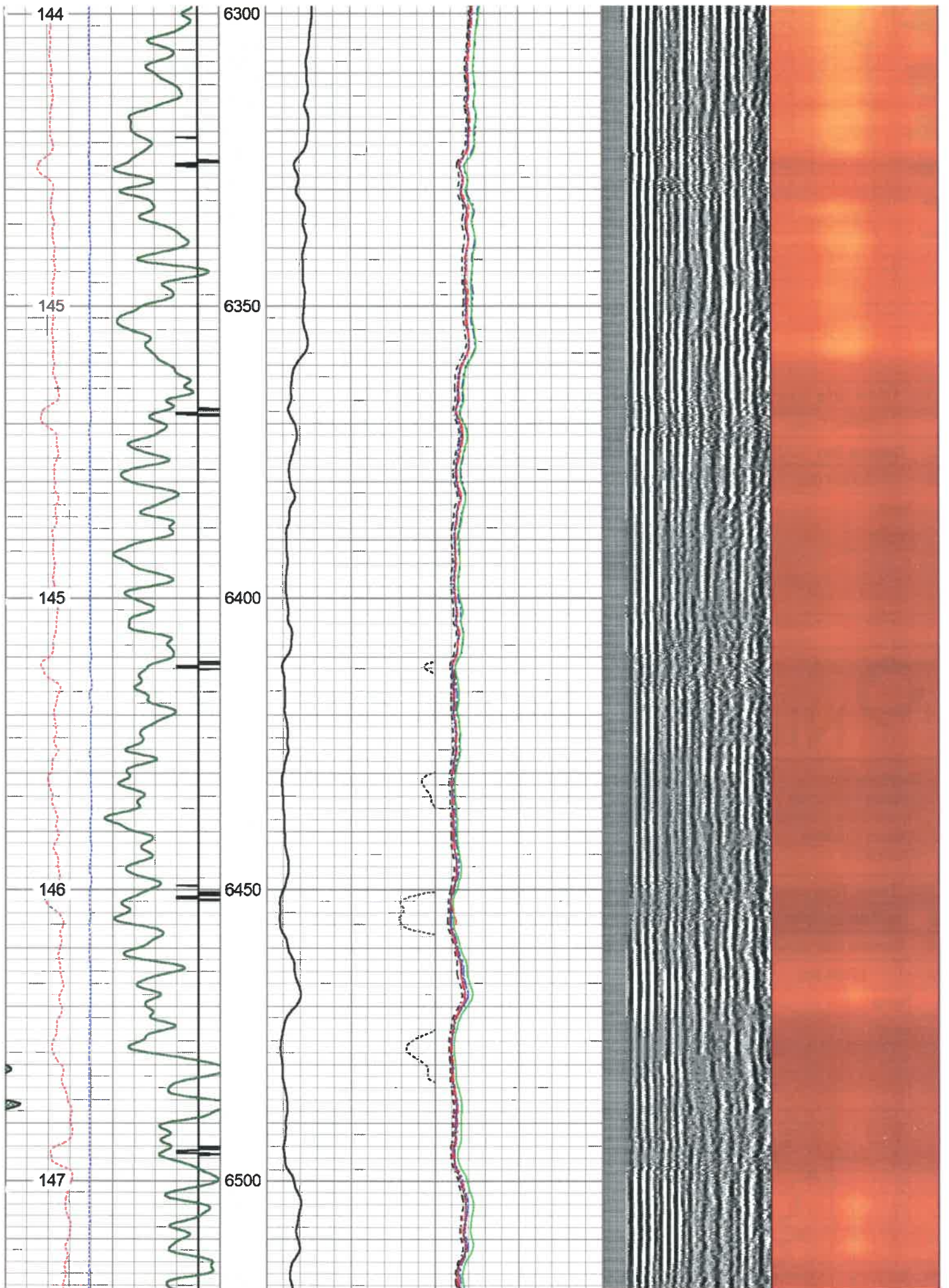


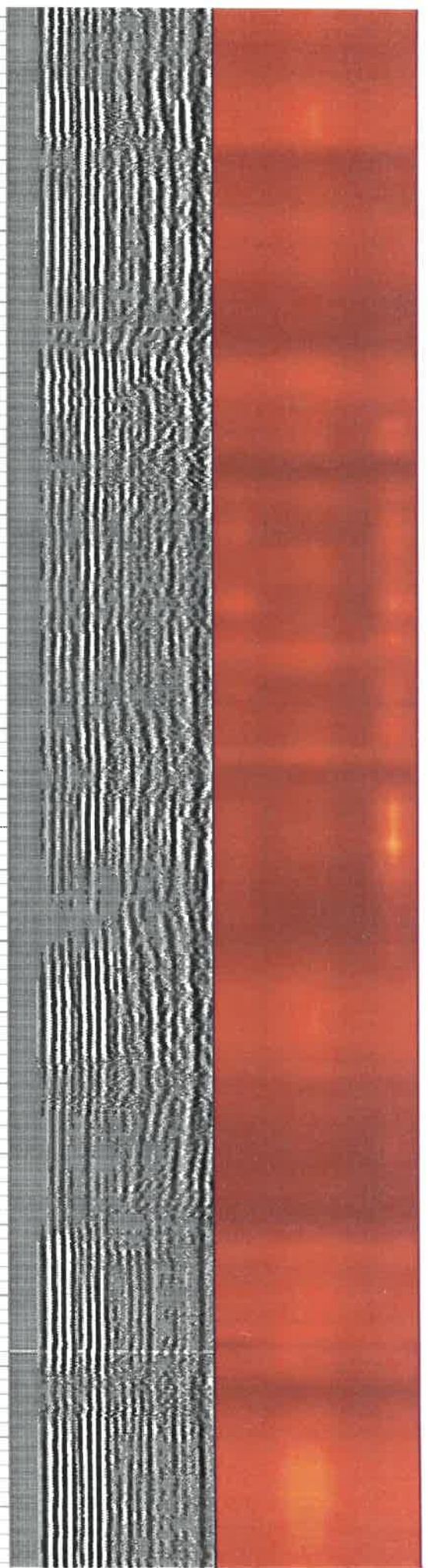
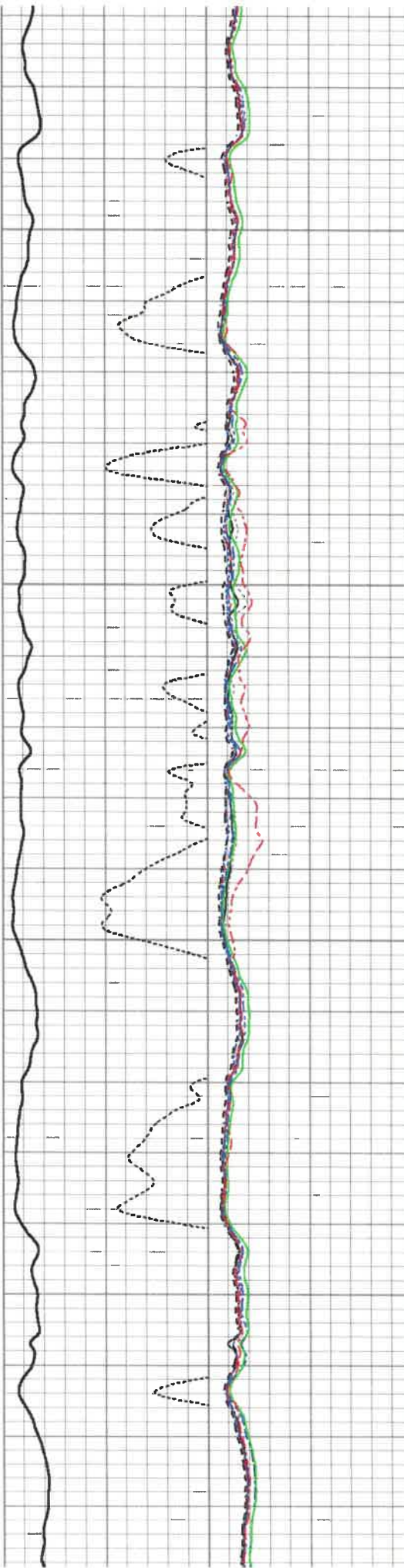
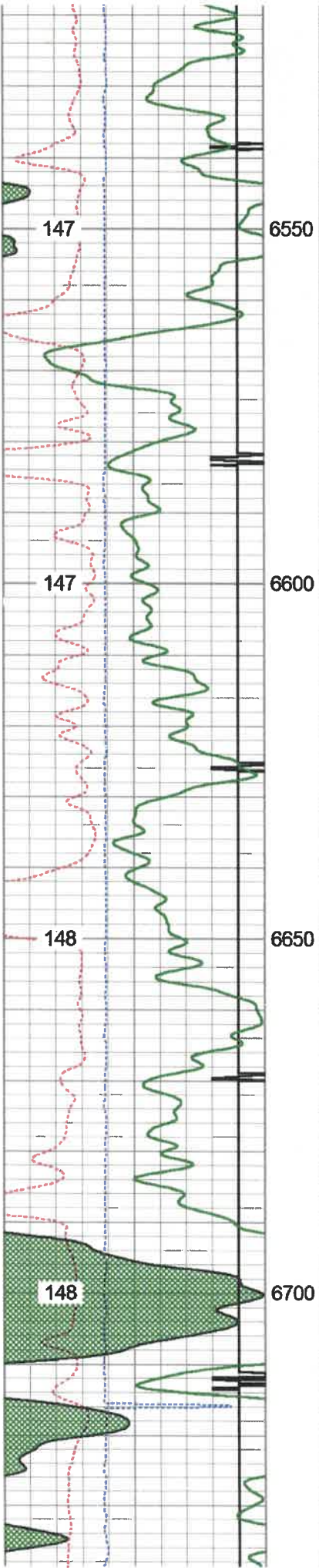


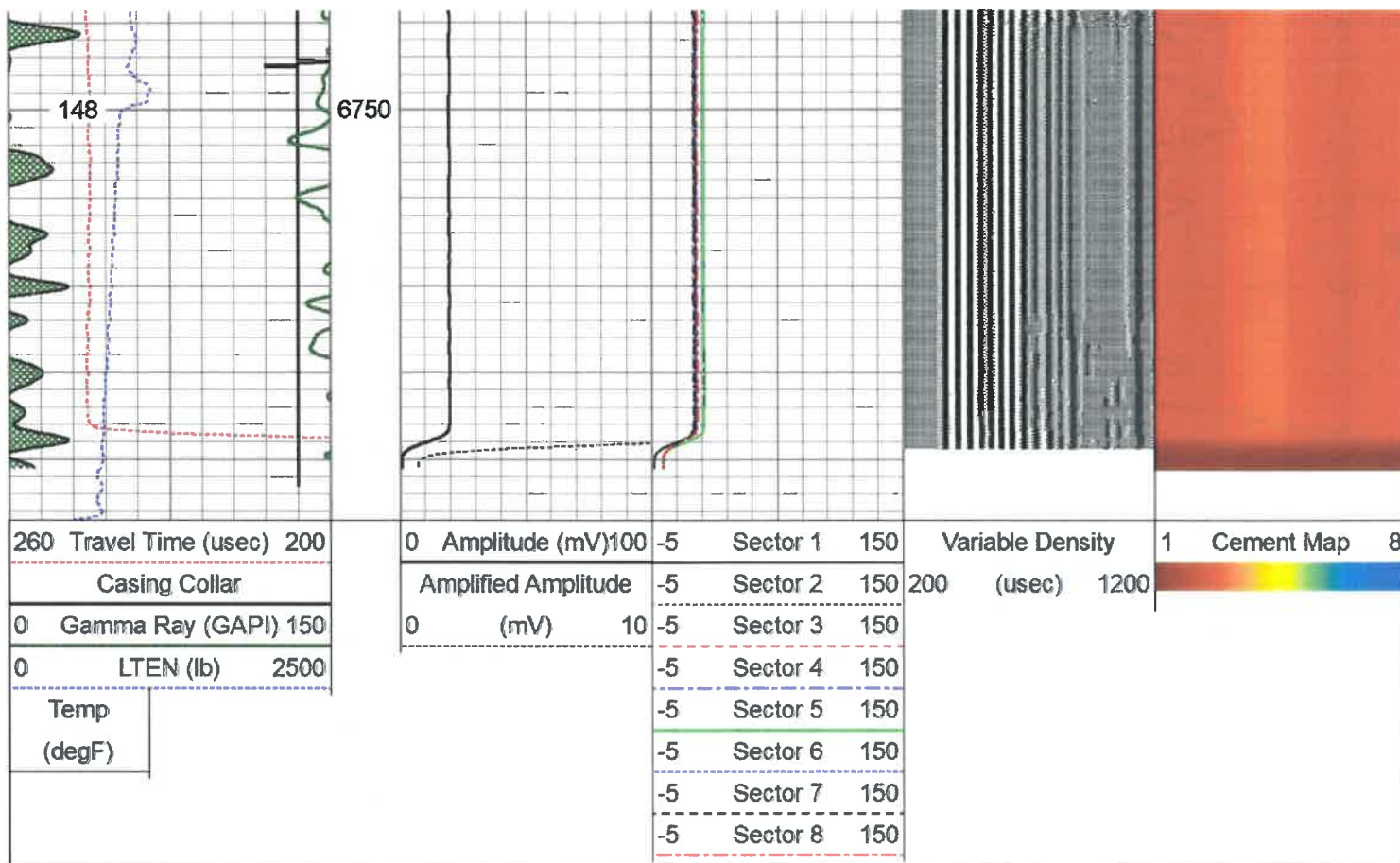

# Repeat Pass 0 PSI

Database File: c:\users\thomas.weese\desktop\bond logs\antero\colorado east\antero\_colorado\_east\_stampede\_3h\_rcbl  
 Dataset Pathname: Marcellus/Stampede\_3H/RCBL\_1/pass2  
 Presentation Format: scbl03  
 Dataset Creation: Sun Mar 15 11:15:21 2020  
 Charted by: Depth in Feet scaled 1:240









## Log Variables

Database C:\Users\thomas.weese\Desktop\Bond Logs\Antero\Colorado East\antero\_colorado\_east  
Dataset Marcellus/Stampede\_3H/RCBL\_1/pass4/\_vars\_

### Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	CASEWGHT lb/ft	MAXAMPL mV	MINAMPL mV
TEMP	7.875	148	5.5	0.361	20	71.921	2.2
MINATTN db/ft	PERFS	PPT usec	SRFTEMP degF	TDEPTH ft			
0.8	No	0	0	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

### Calibration Report

Database File C:\Users\thomas.weese\Desktop\Bond Logs\Antero\Colorado East\antero\_colorado\_east\_stampede\_3h\_rc  
Dataset Pathname Marcellus/Stampede\_3H/RCBL\_1/pass4  
Dataset Creation Sun Mar 15 11:22:54 2020

### Gamma Ray Calibration Report

Serial Number: FW1211-86  
Tool Model: Probe  
Performed: Mon Feb 03 15:18:32 2014

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

**Segmented Cement Bond Log Calibration Report**

Serial Number:	FW1312-32	
Tool Model:	Probe275T	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	14.583	ft

**Master Calibration, performed Sun Mar 15 06:52:23 2020:**


	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.017	0.831	2.200	71.921	105.629	0.746
CAL	1.030	1.032				
5'	0.006	0.818	2.200	71.921	105.869	1.672
SUM						
S1	0.068	0.875	2.200	71.921	106.476	-3.710
S2	0.001	0.814	2.200	71.921	105.692	2.136
S3	0.008	0.814	2.200	71.921	106.553	1.492
S4	0.006	0.808	2.200	71.921	106.952	1.639
S5	0.006	0.815	2.200	71.921	106.159	1.721
S6	0.006	0.823	2.200	71.921	105.408	1.670
S7	0.006	0.815	2.200	71.921	106.155	1.667
S8	0.007	0.818	2.200	71.921	105.973	1.591

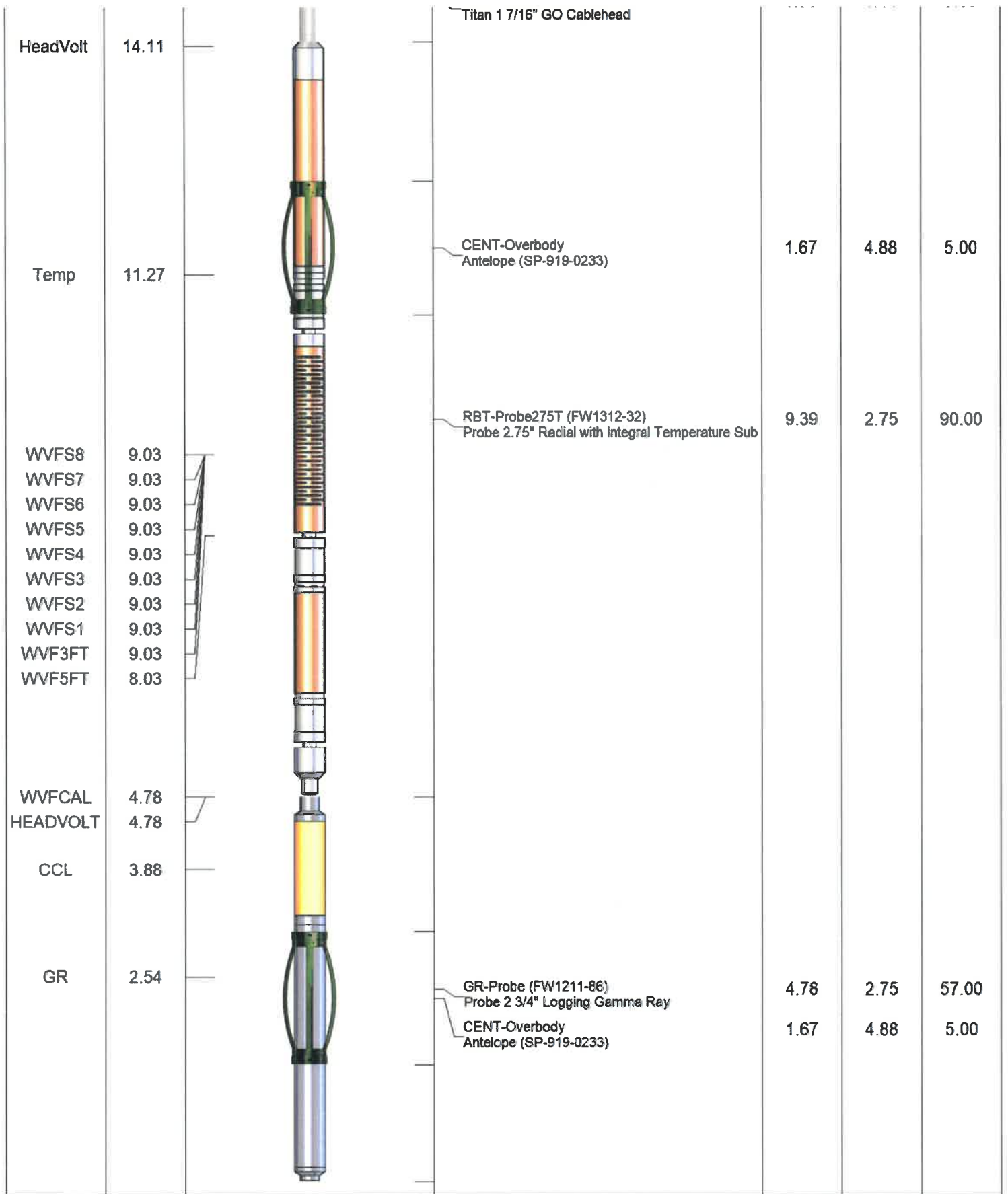
**Internal Reference Calibration, performed (Not Performed):**

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.030	1.032	1.000	0.000

**Air Zero Calibration, performed Sun Mar 15 06:44:47 2020:**

	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	1.00	1.44	5.00



Dataset: antero\_colorado\_east\_stampede\_3h\_rcbl\_nineenergy\_15\_mar\_2020.db: Marcellus/Stampede\_3H/RCBL\_1/pass4  
 Total length: 15.17 ft  
 Total weight: 162.00 lb  
 O.D.: 4.88 in



Nine

Well  
Field  
County  
State

Stampede Unit 3H  
North Canton  
Tyler  
West Virginia

