
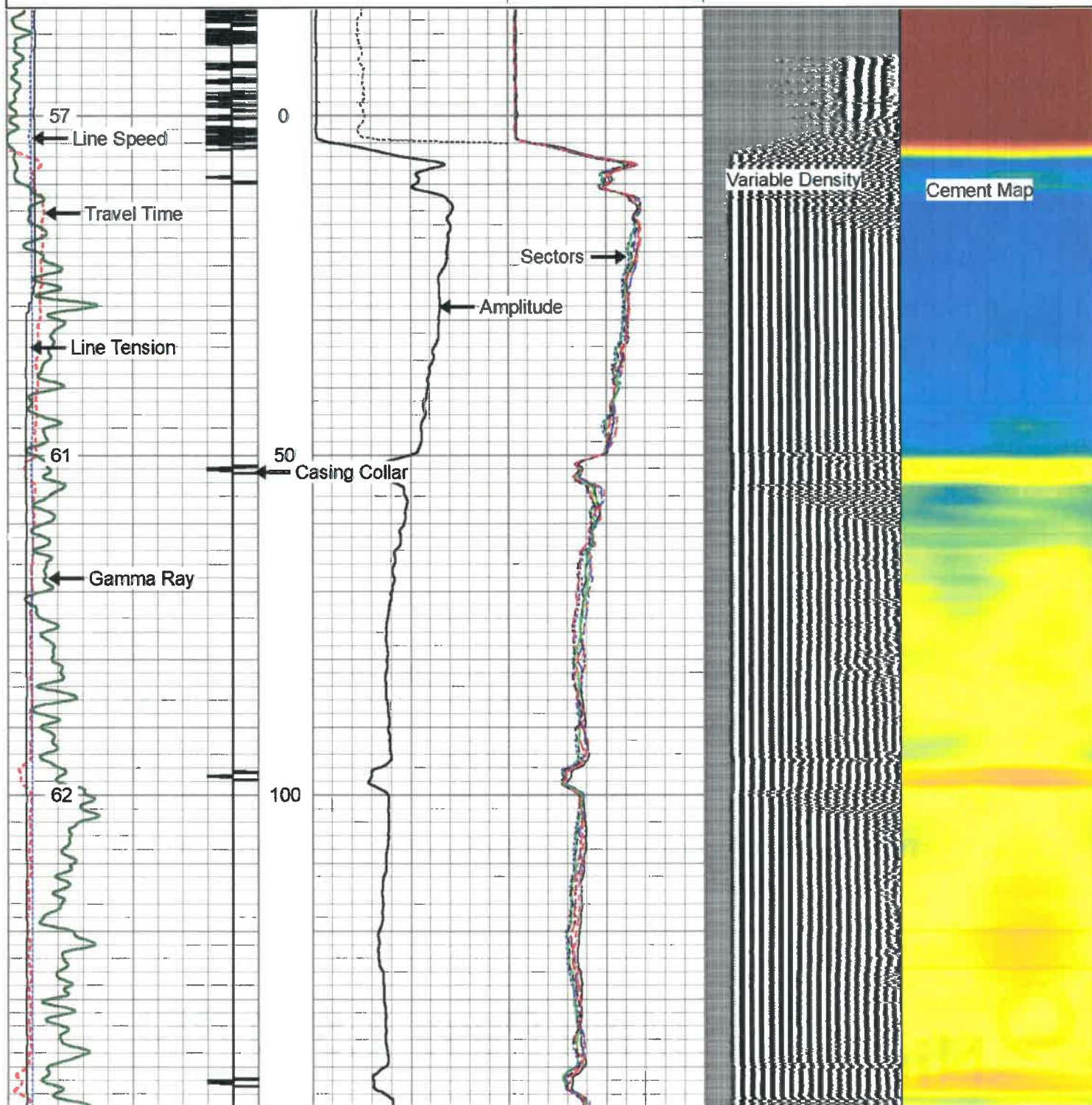
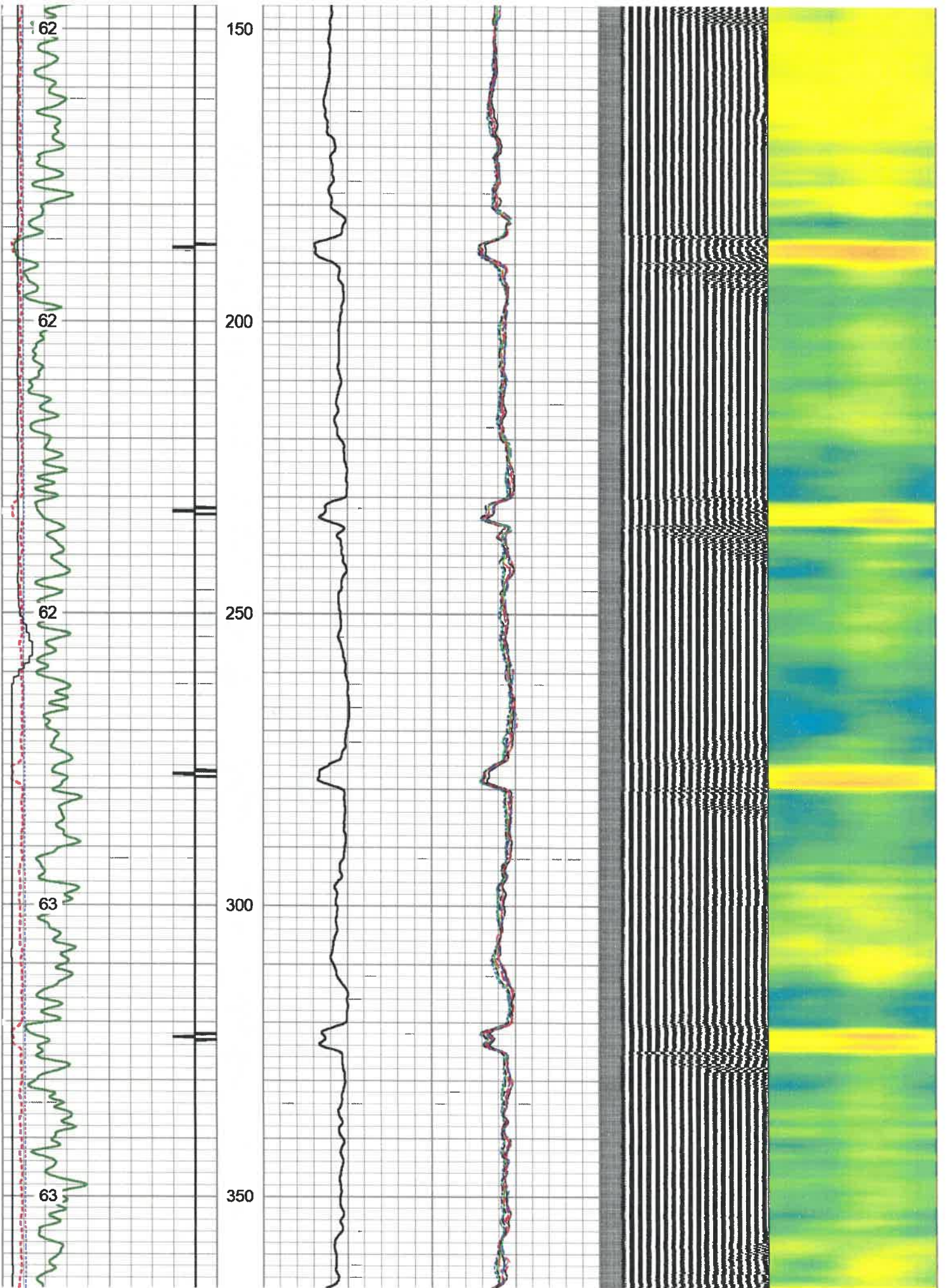
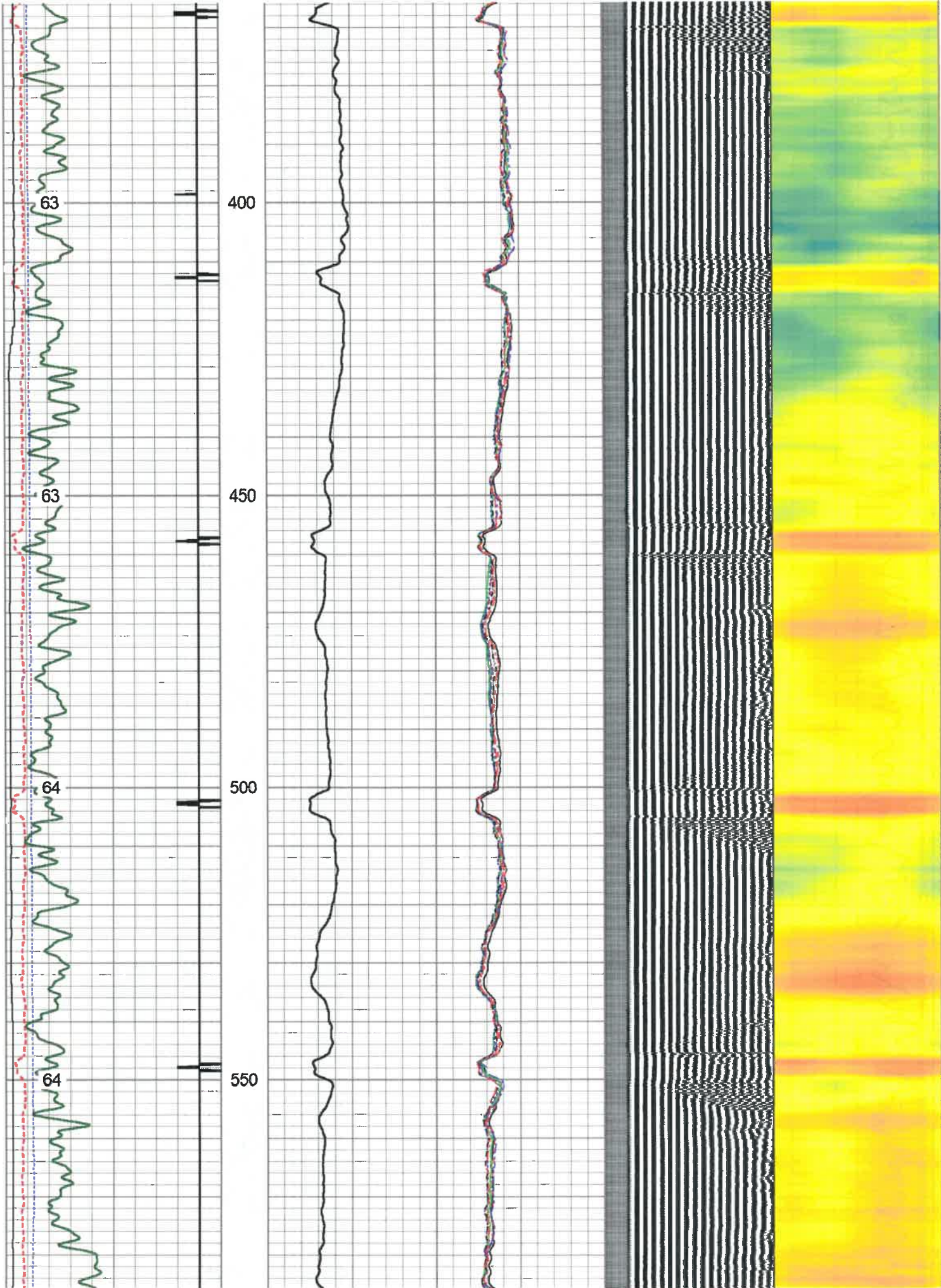


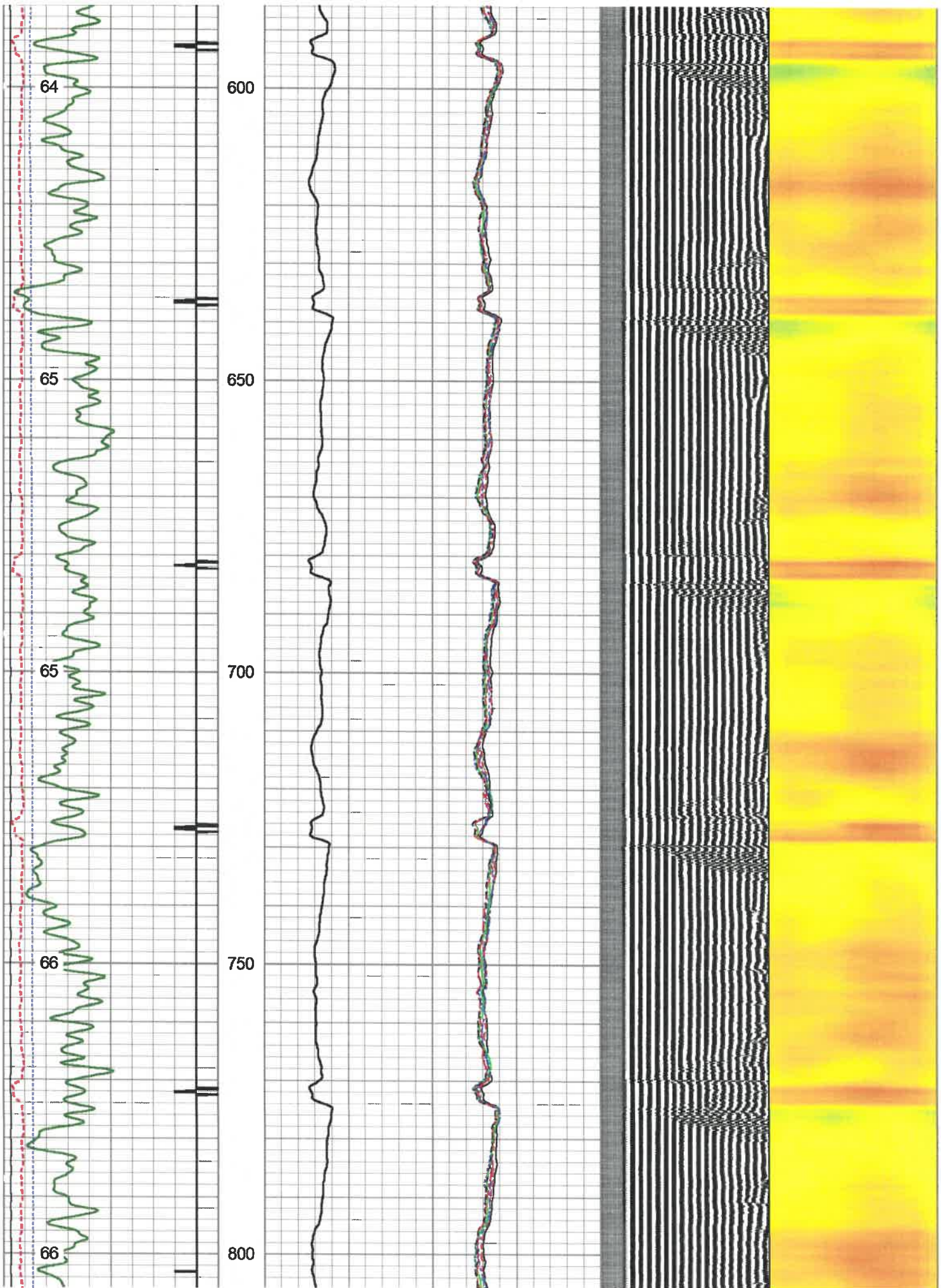
Database File antero_george_scott_clipper_1h_rcbl_nineenergy_04_jan_2020.db
 Dataset Pathname south_canton/clipper1h/rcbl/pass4.1
 Presentation Format rcbl 2
 Dataset Creation Sat Jan 04 17:56:37 2020
 Charted by Depth in Feet scaled 1:240

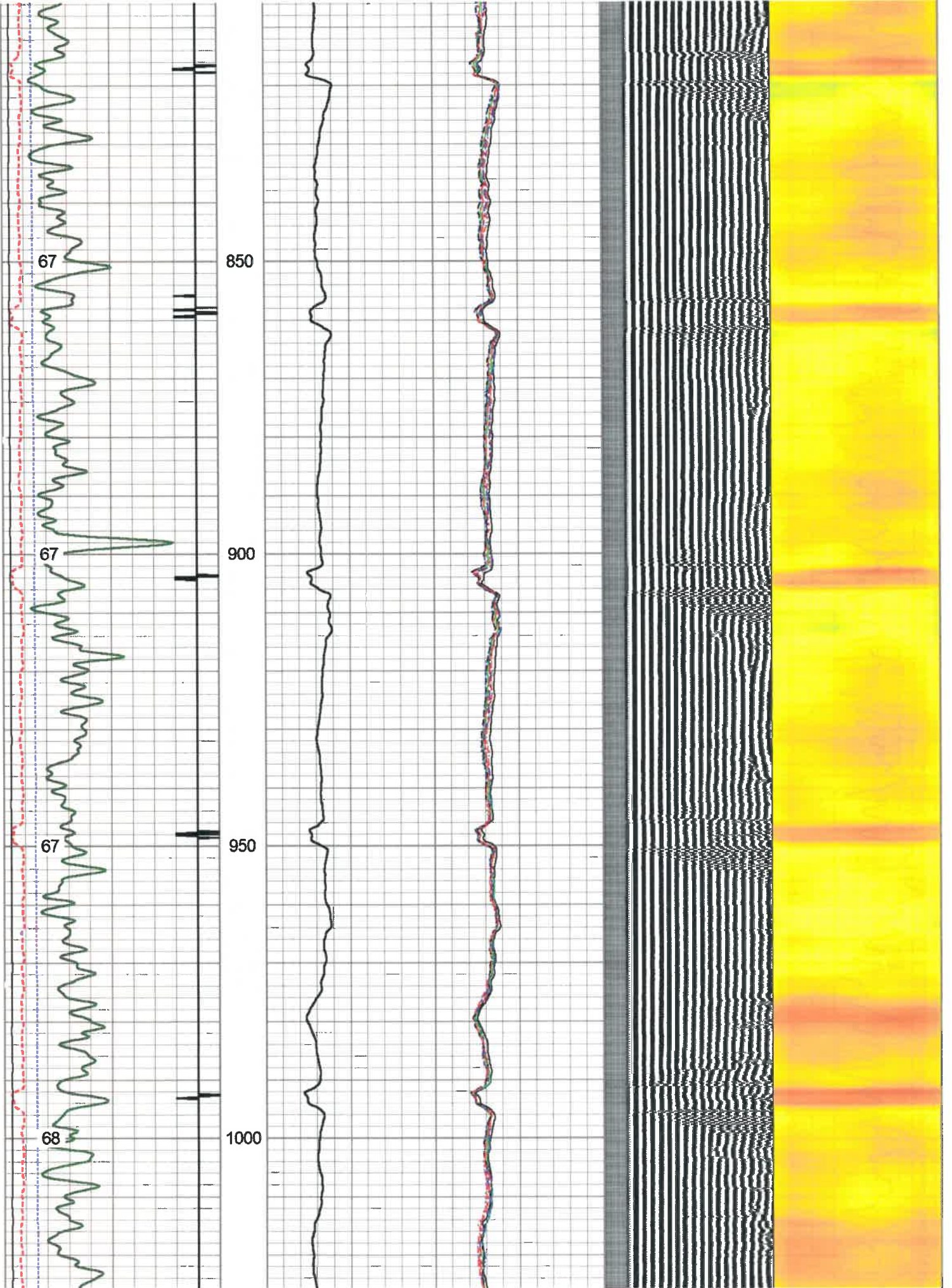
270	Travel Time (usec)	170	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
Casing Collar			Amplified Amplitude		-5	Sector 2	150	200	(usec)	1200		
0	Gamma Ray (GAPI)	120	0	(mV)	10	-5	Sector 3	150				
0	LTEN (lb)	2500			-5	Sector 4	150					
-100	LSPD (ft/min)	100			-5	Sector 5	150					
Temp (degF)						-5	Sector 6	150				
						-5	Sector 7	150				
						-5	Sector 8	150				

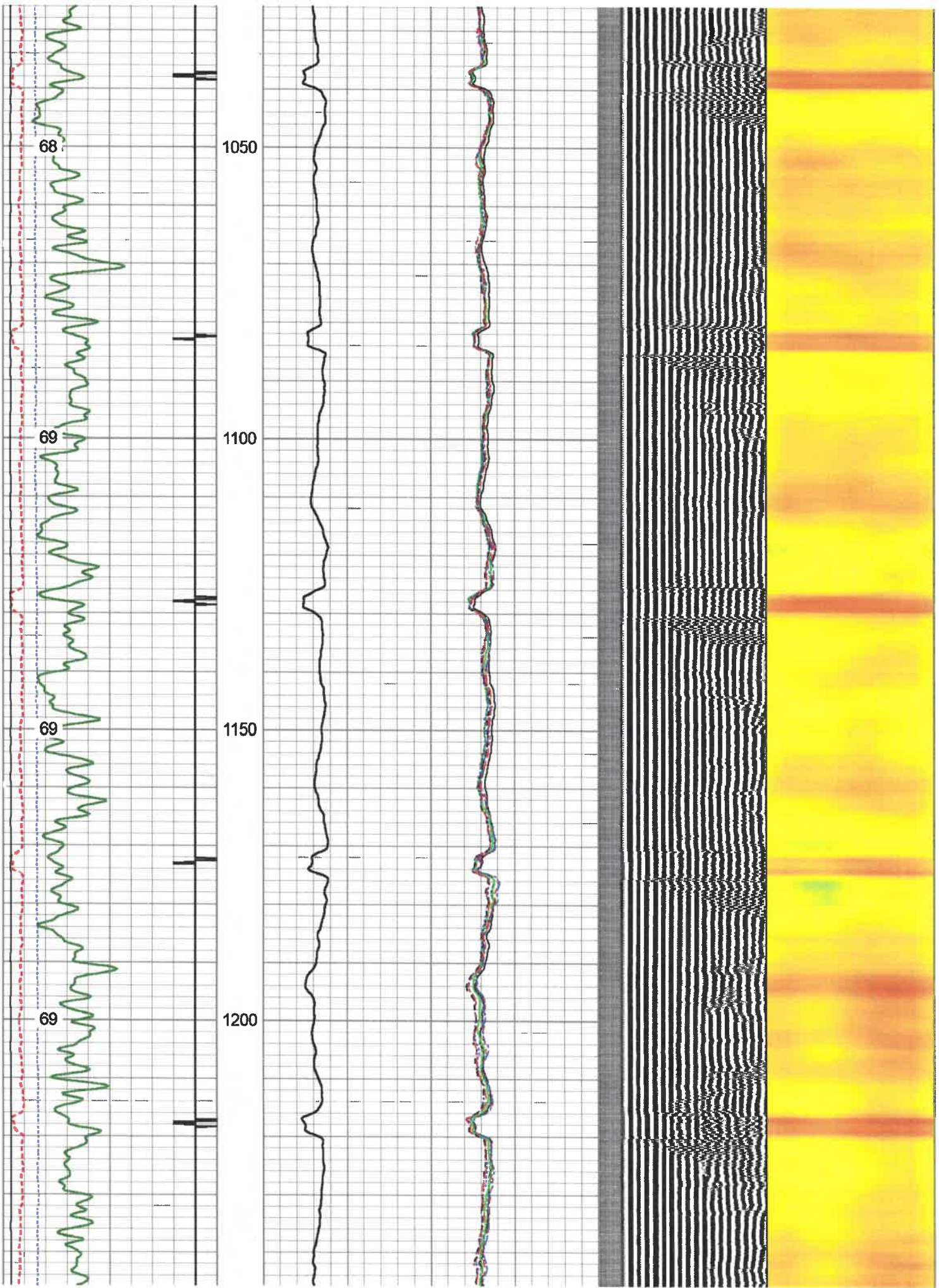


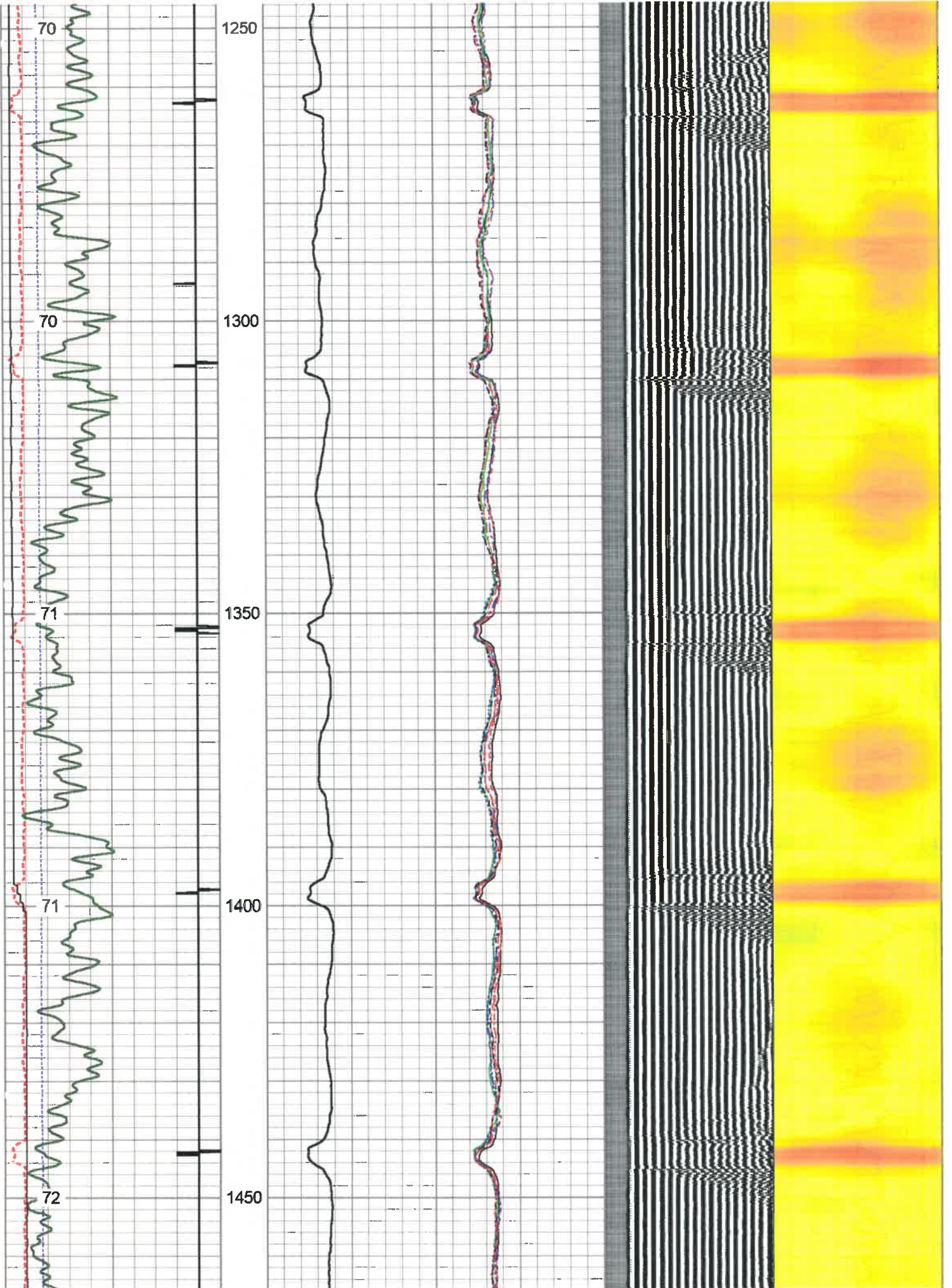


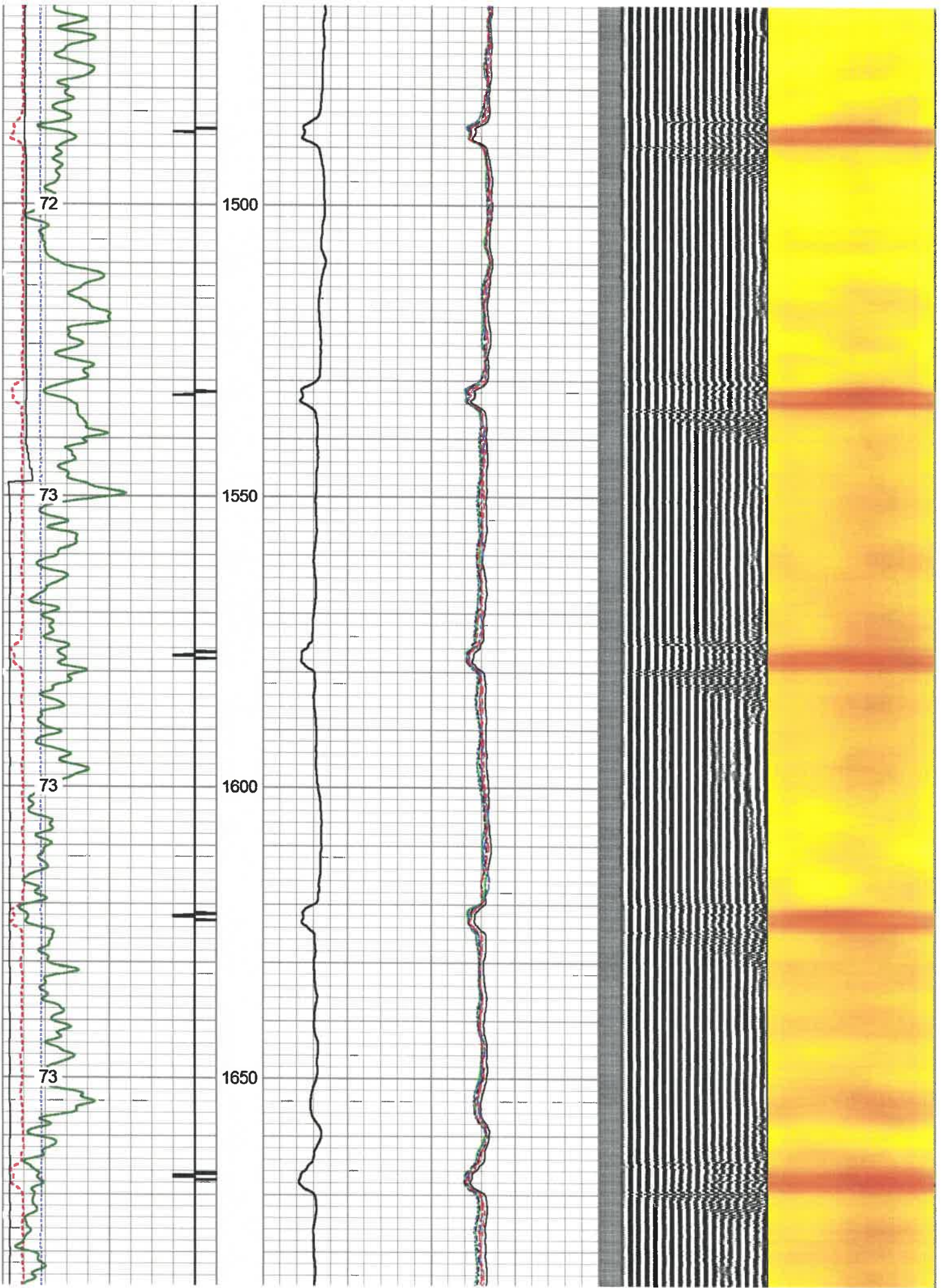


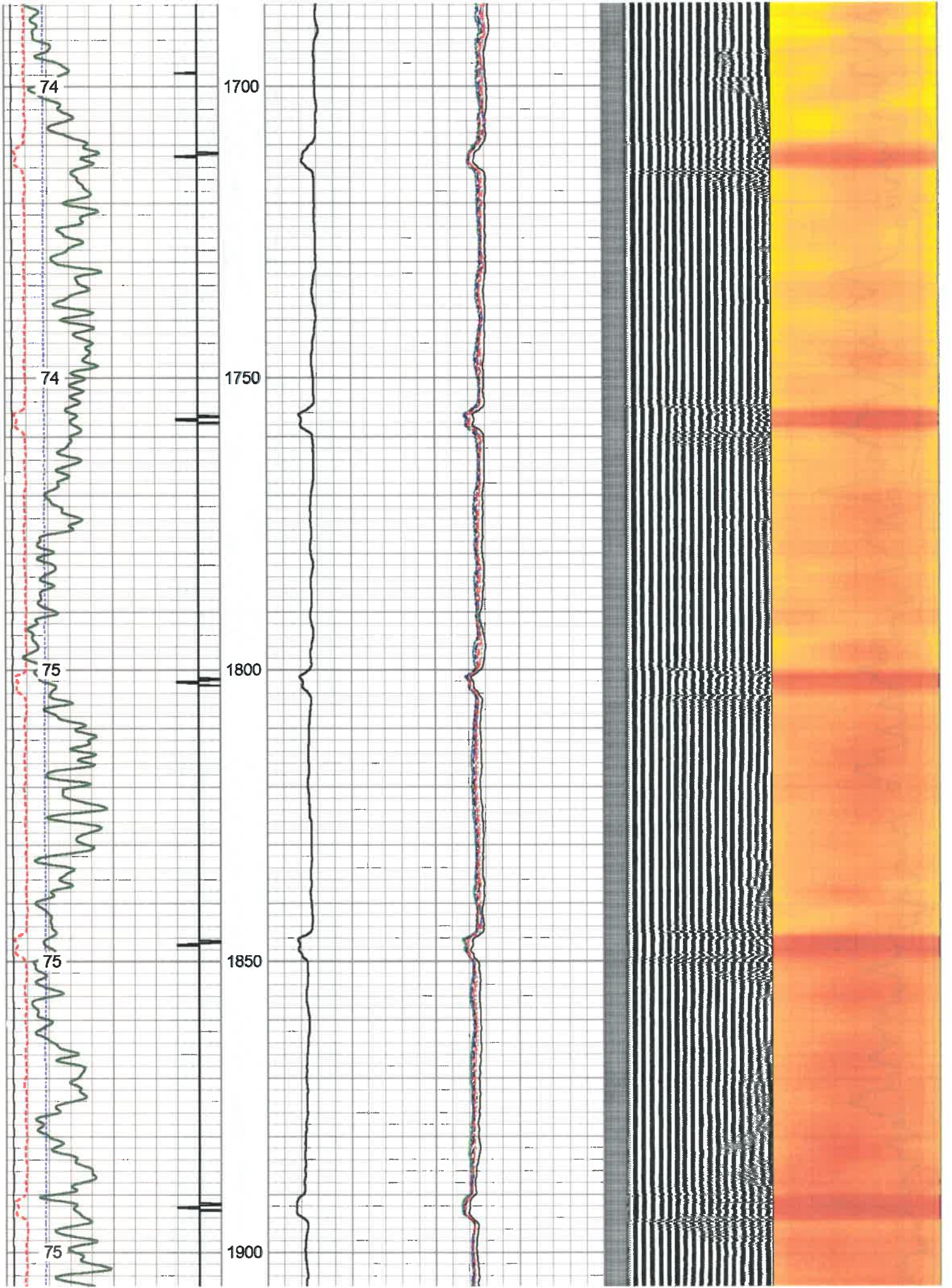


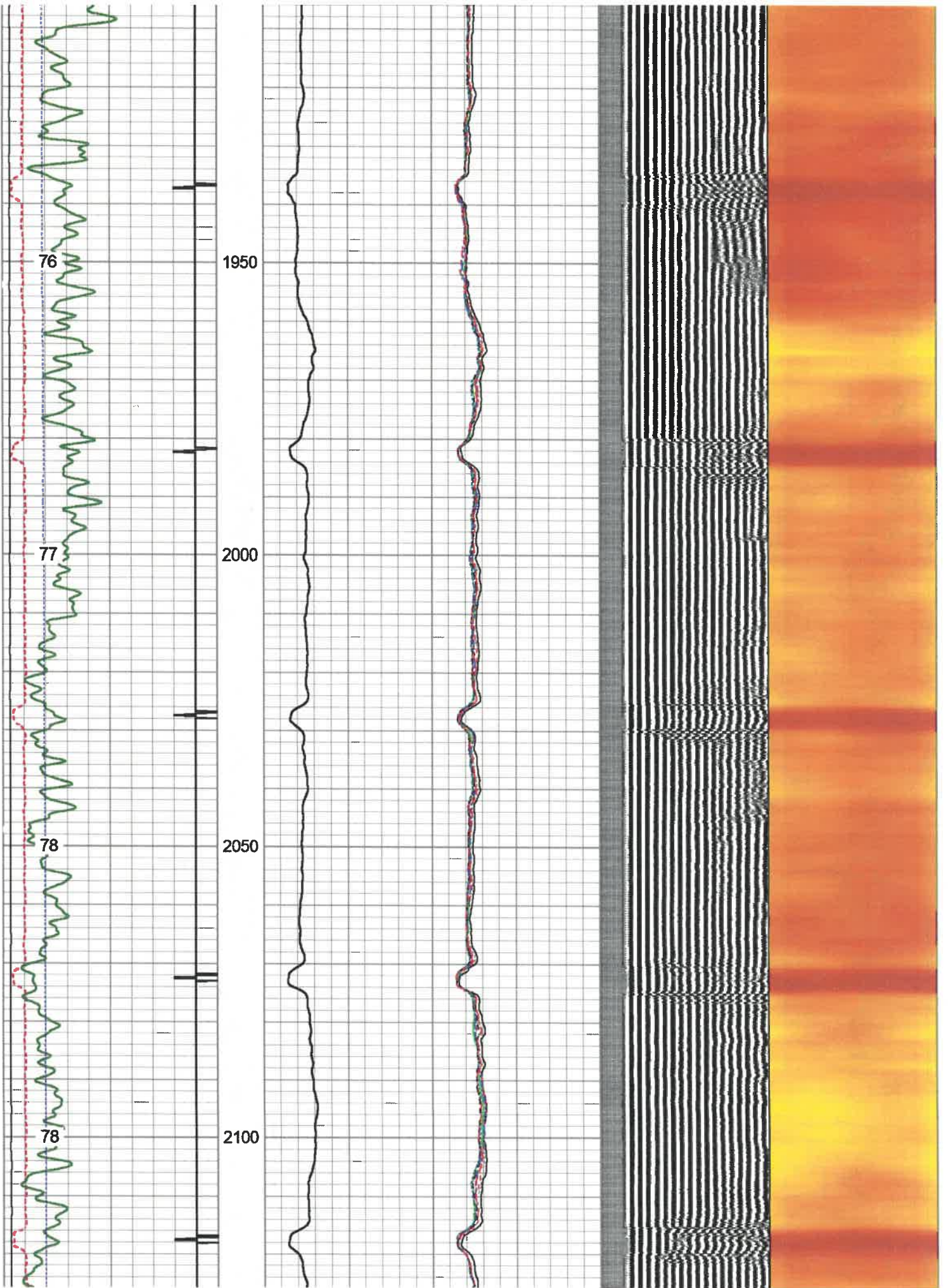


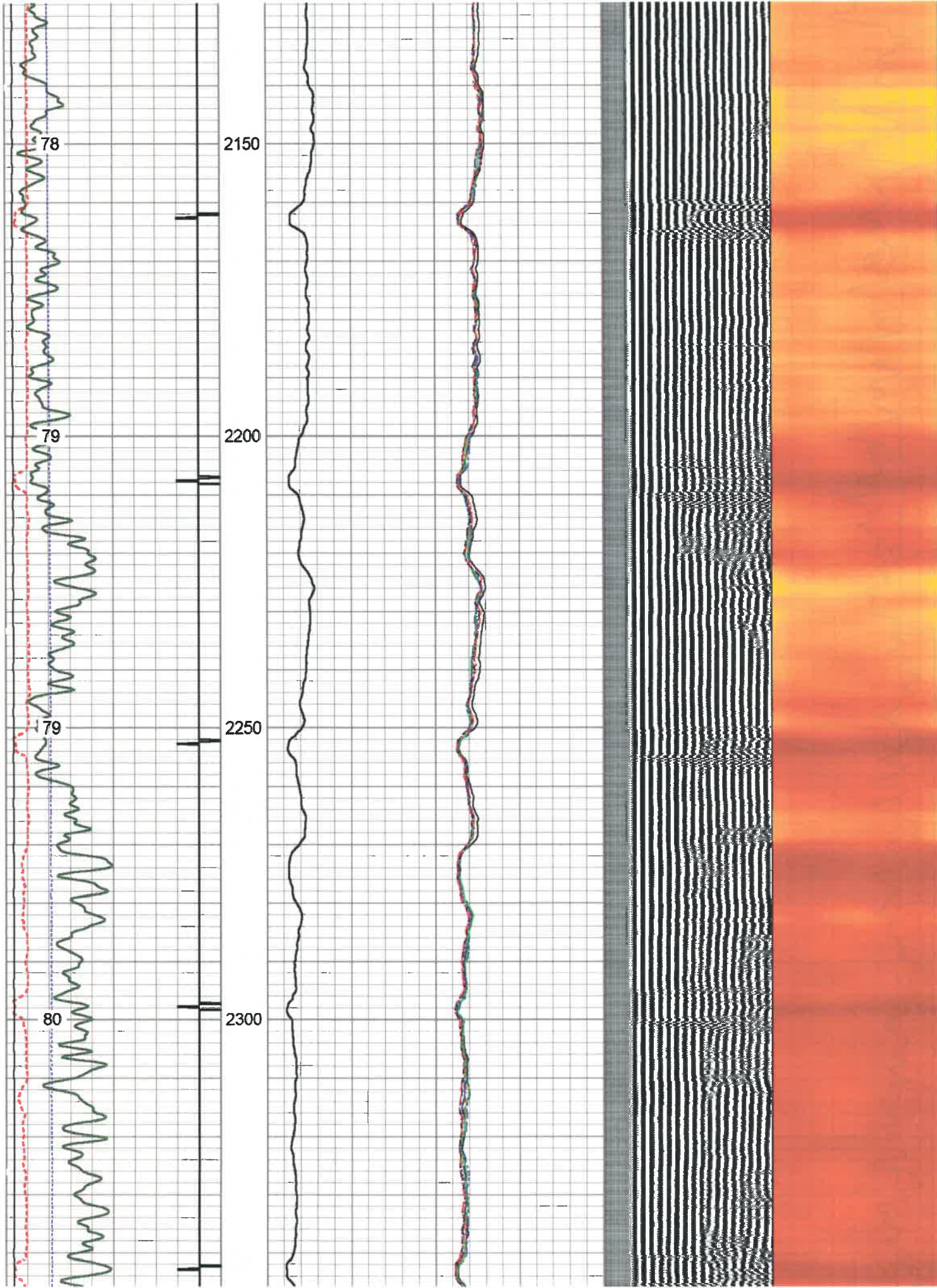


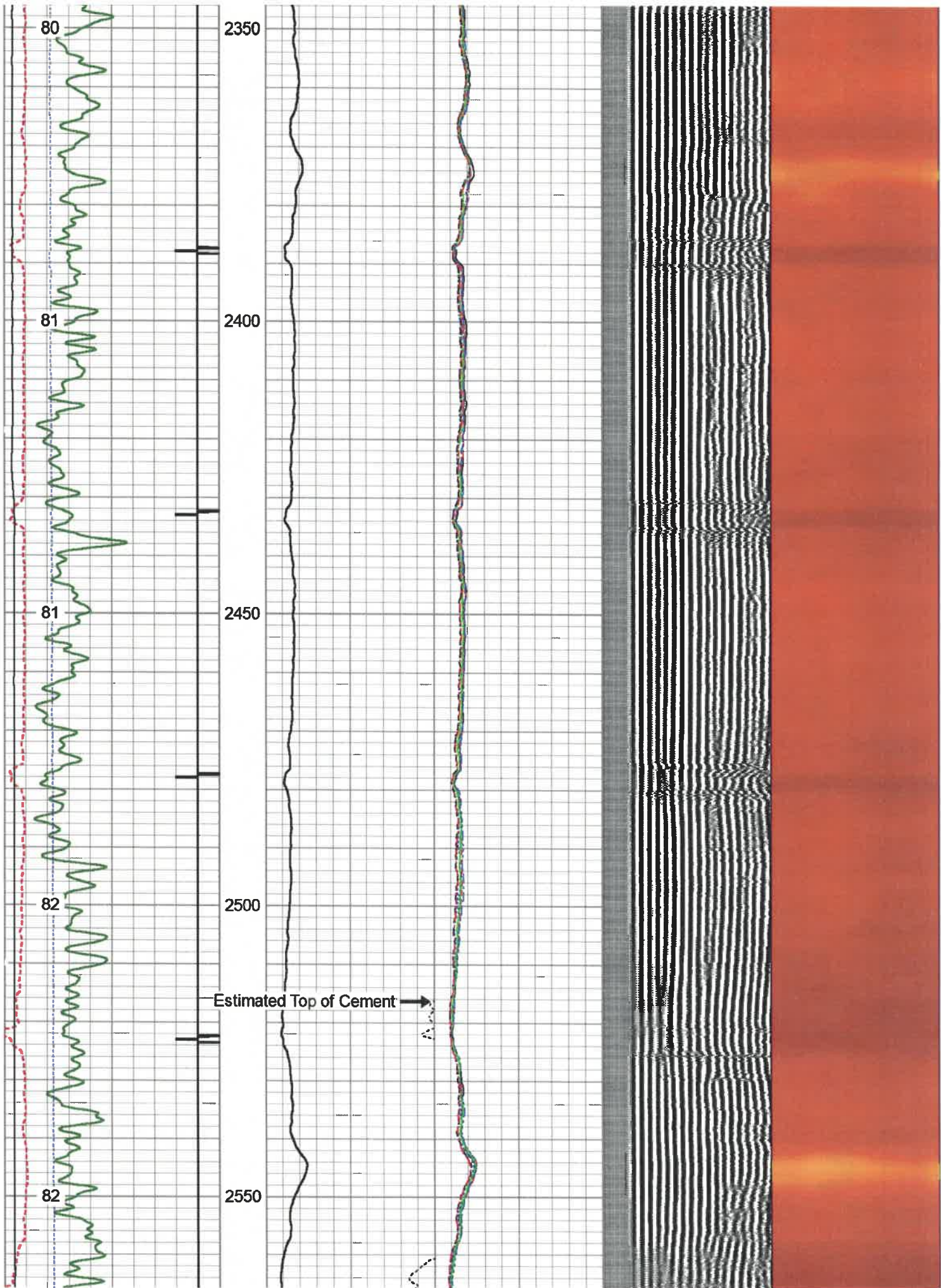


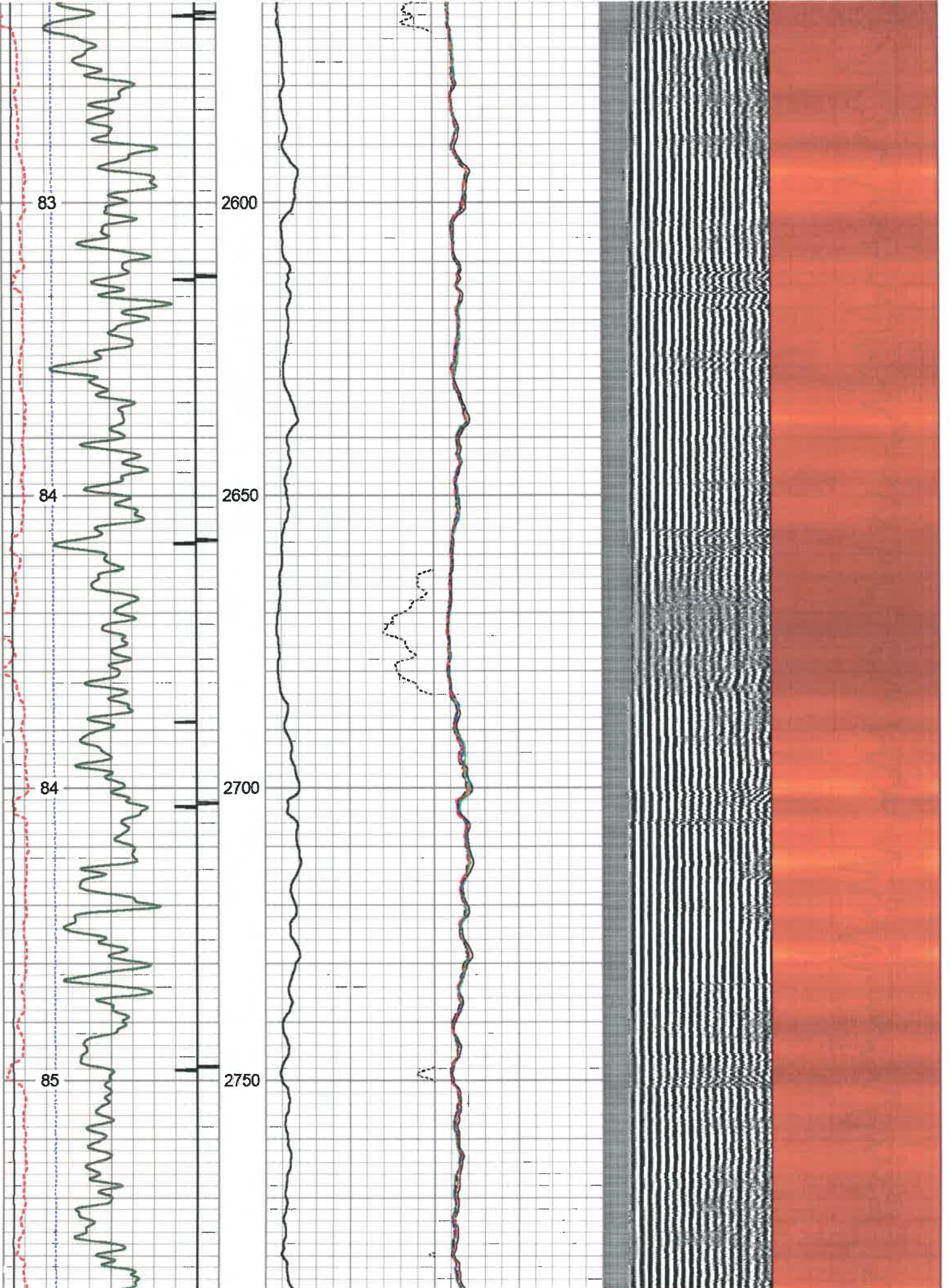


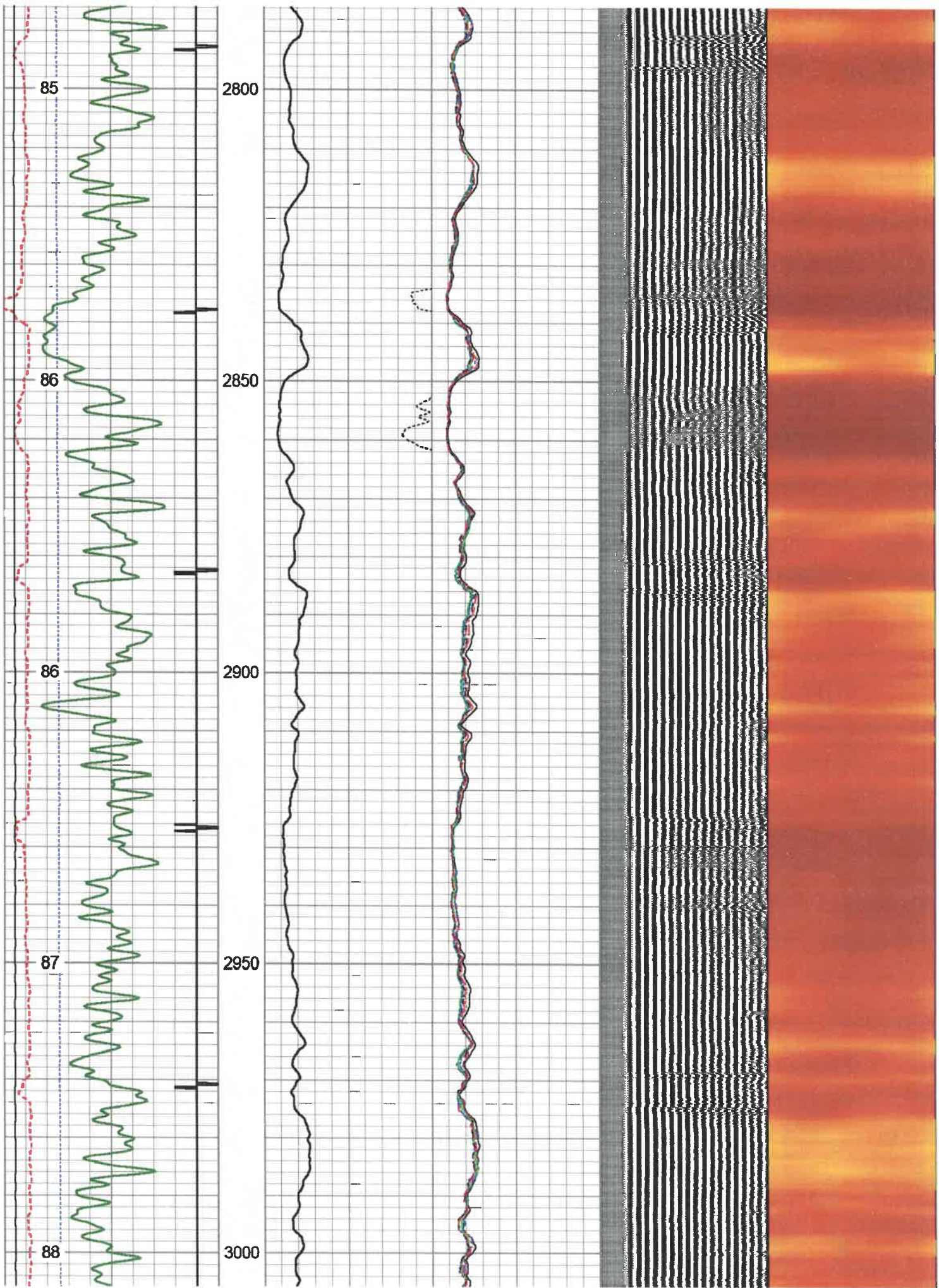


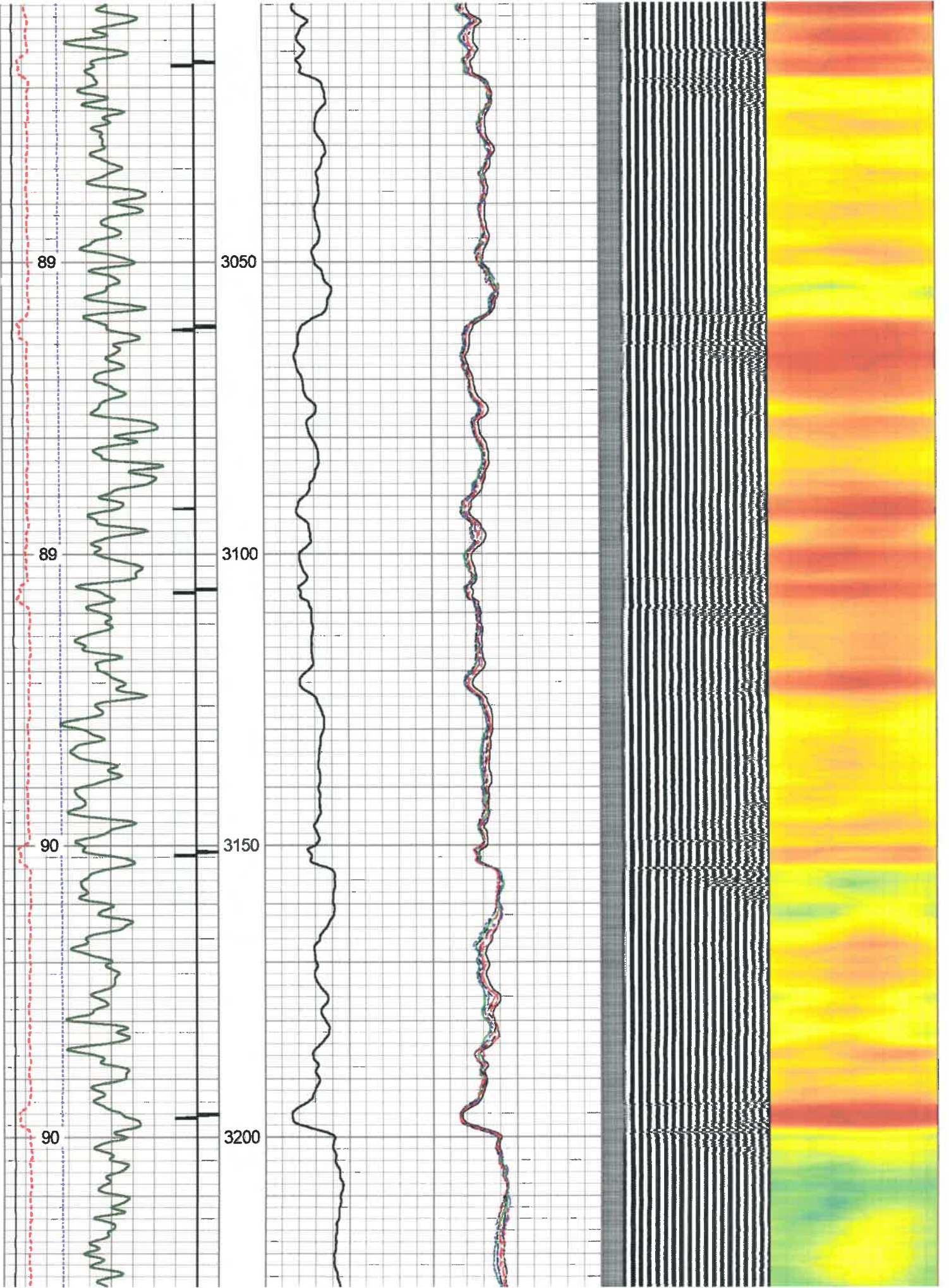


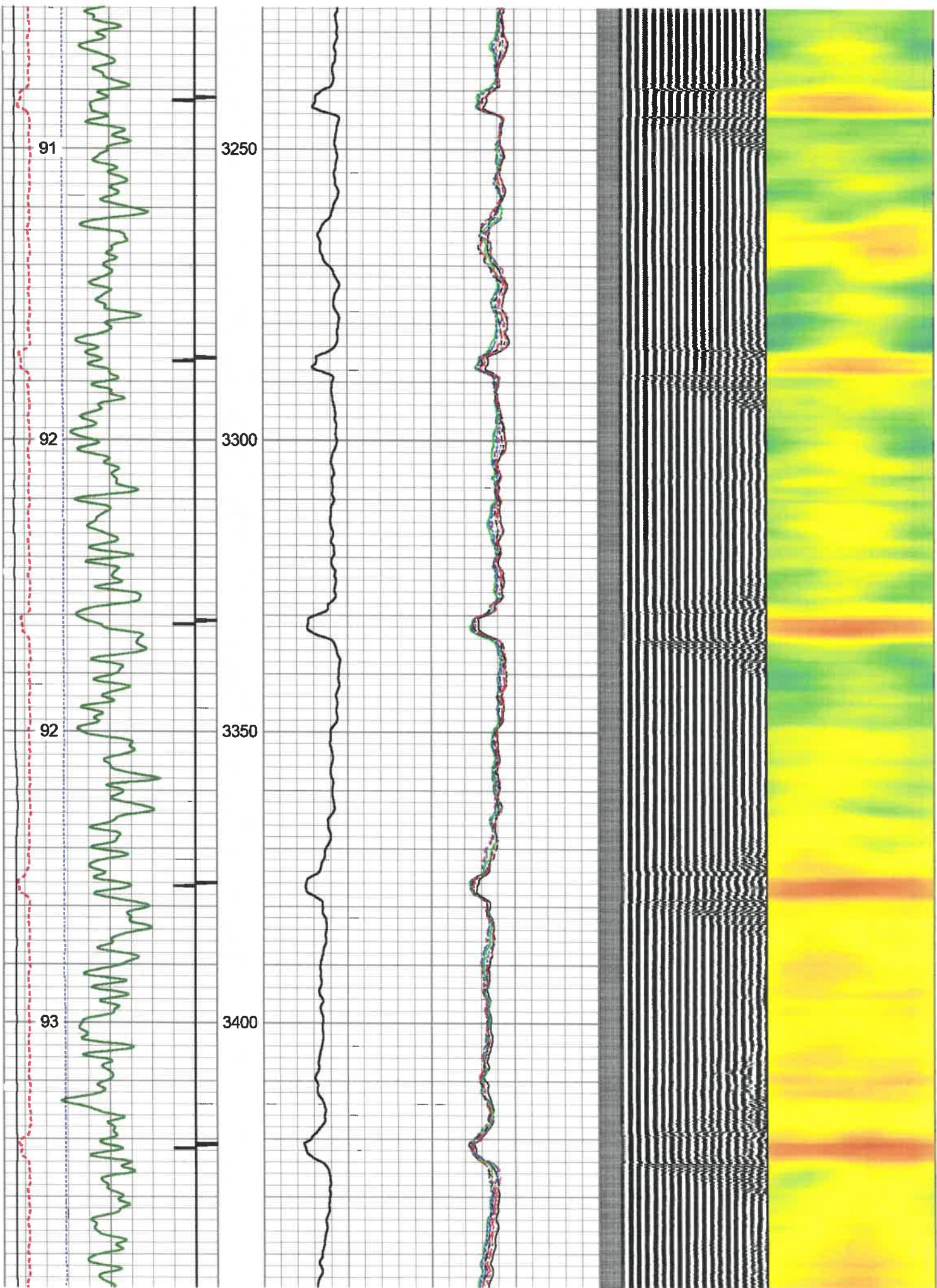


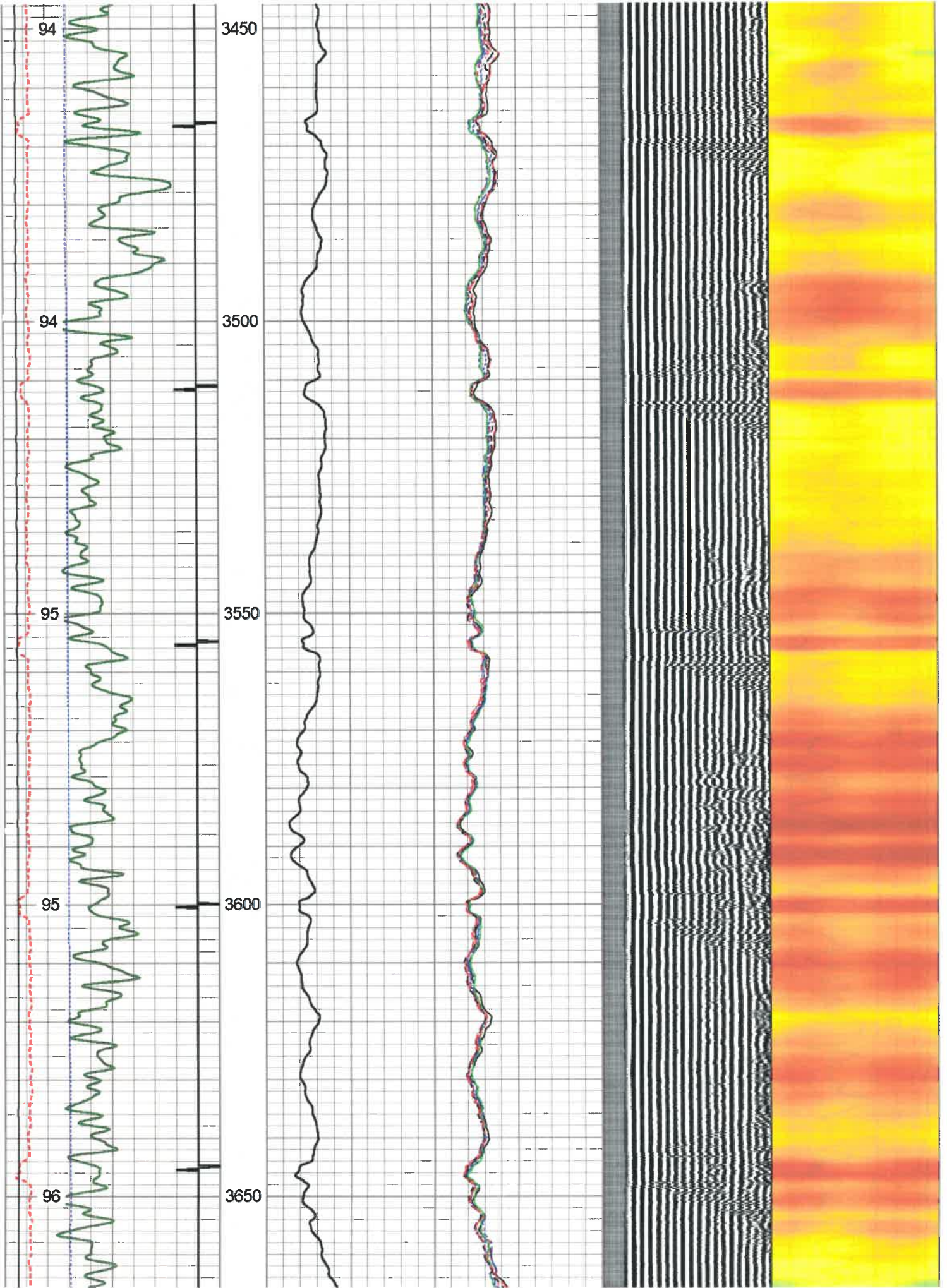


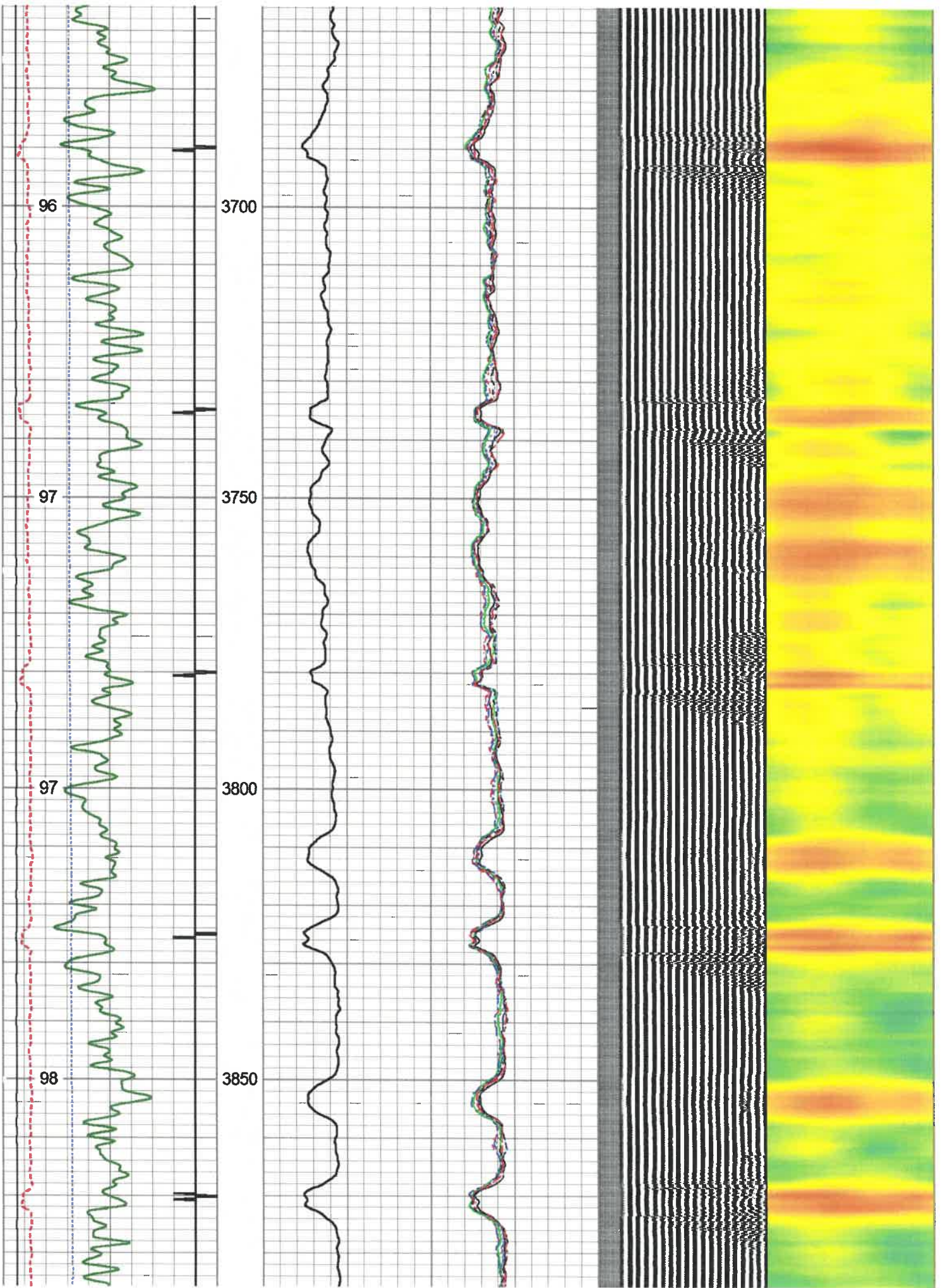


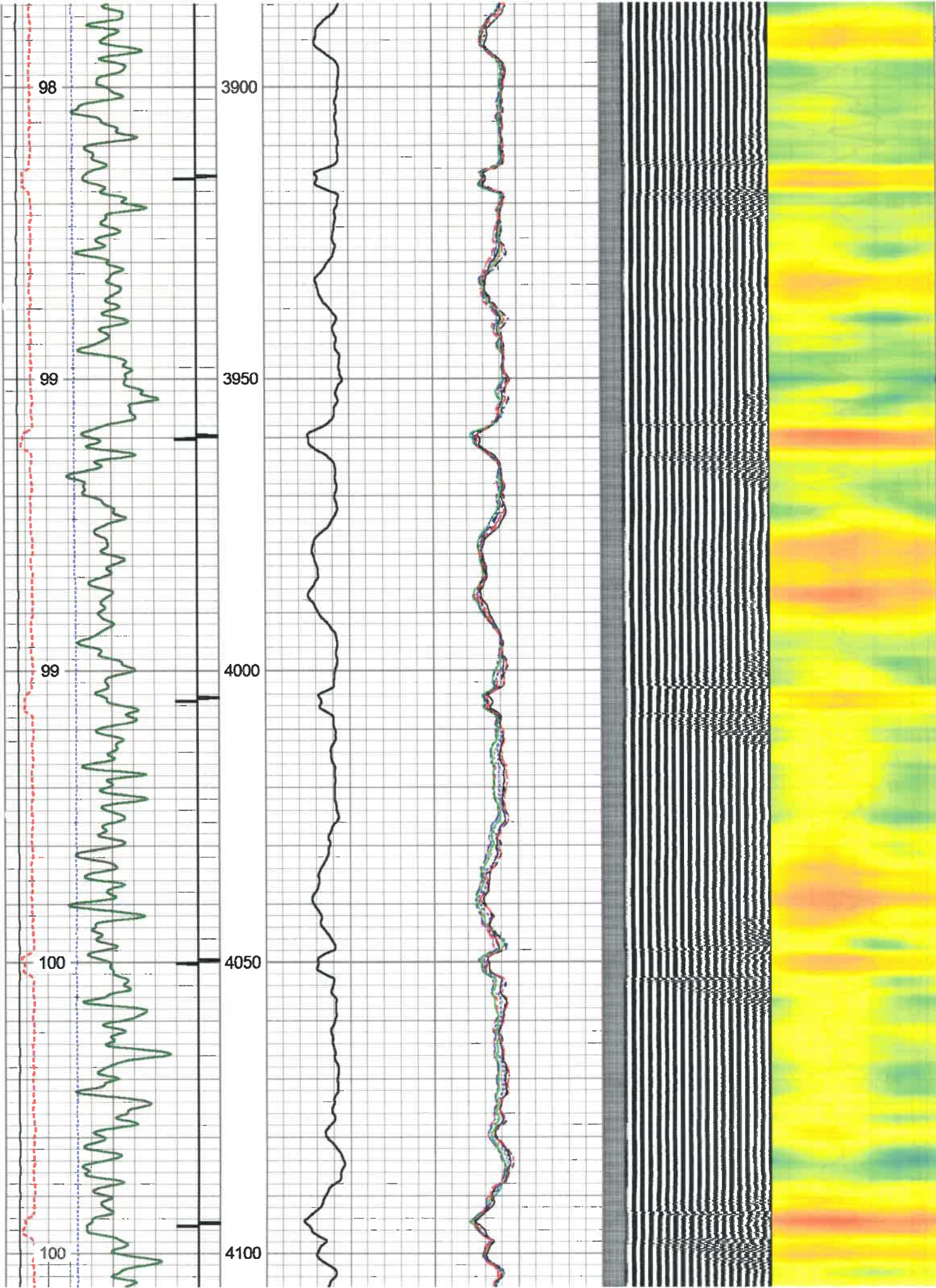


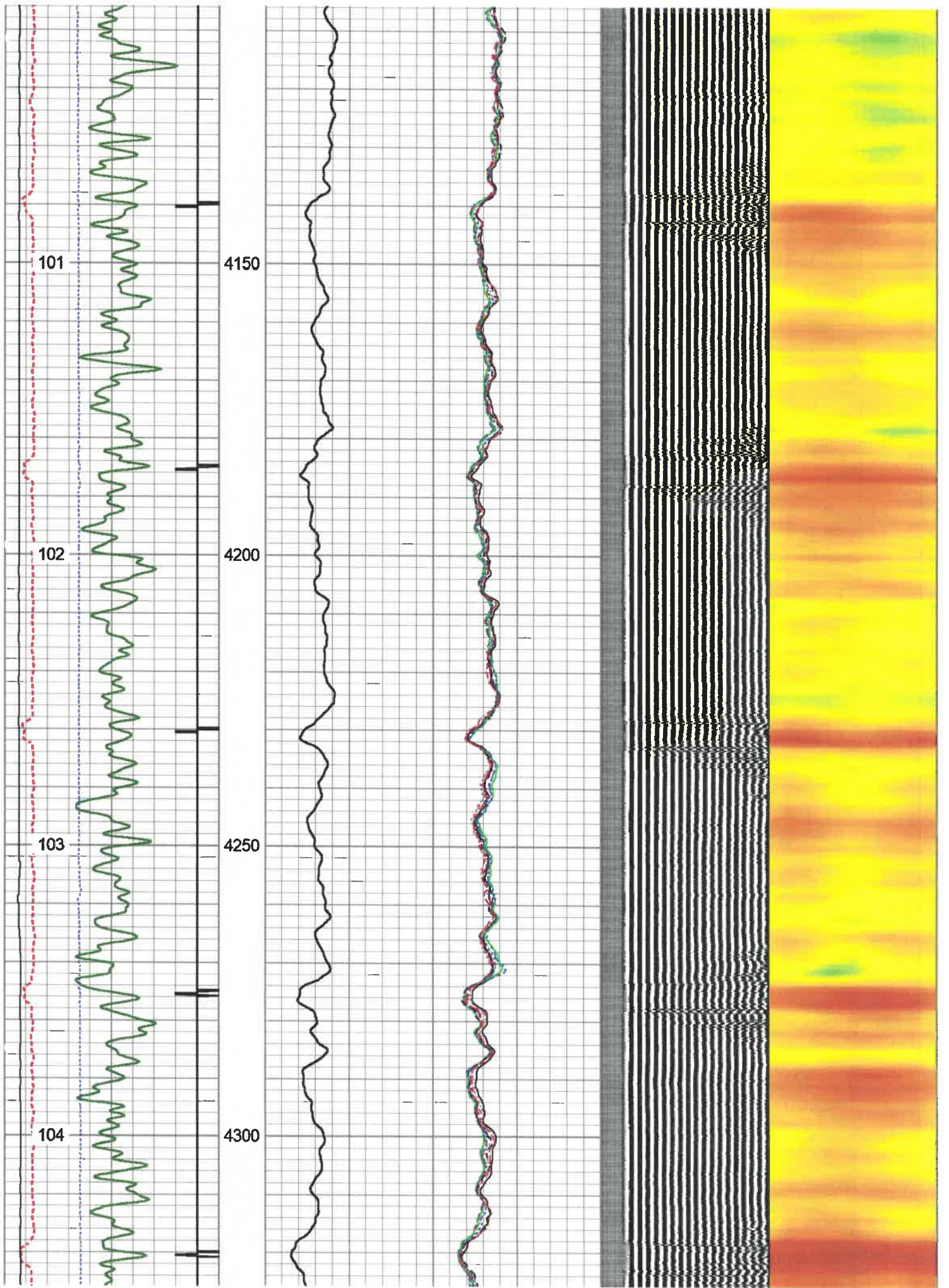


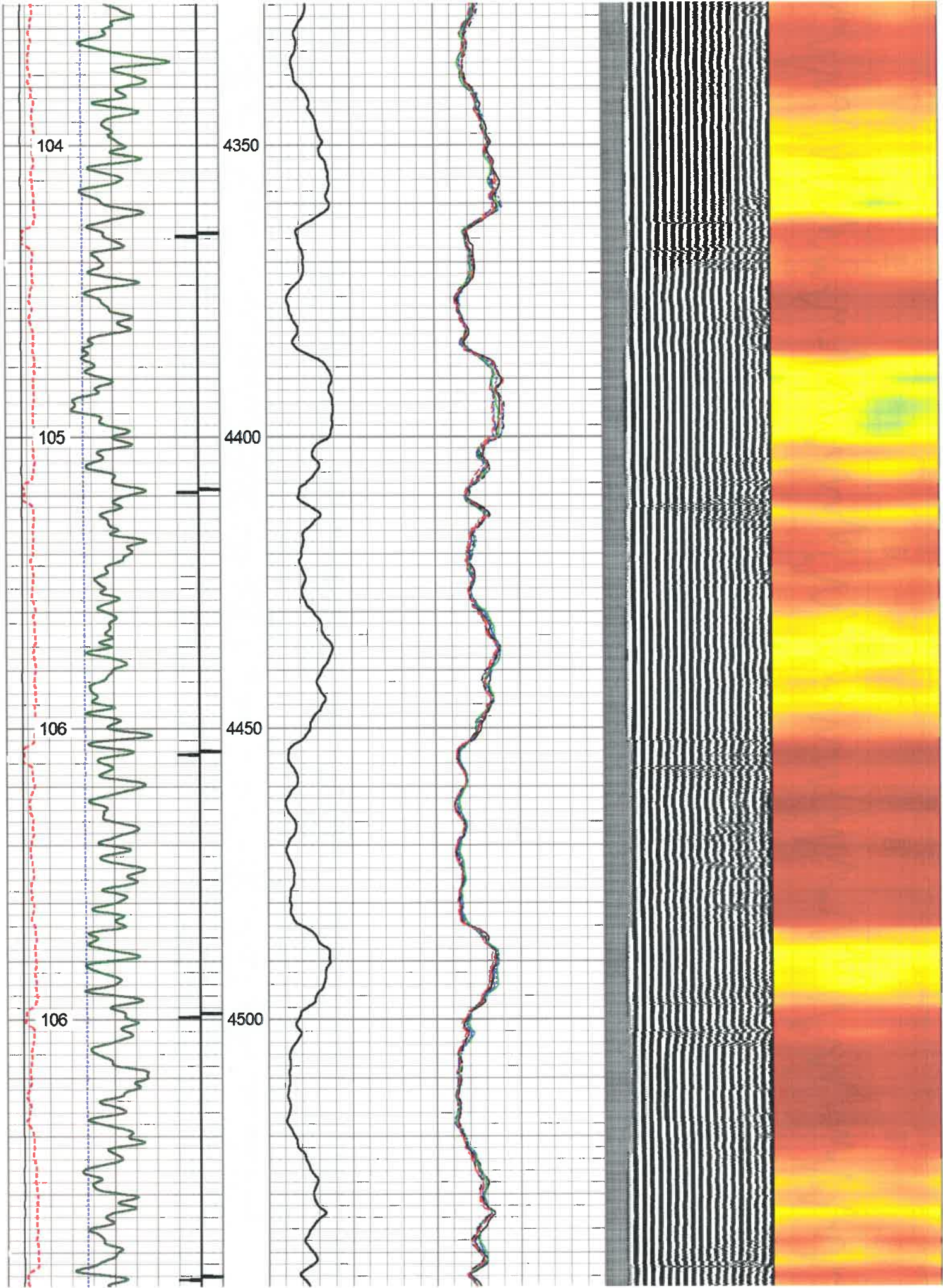


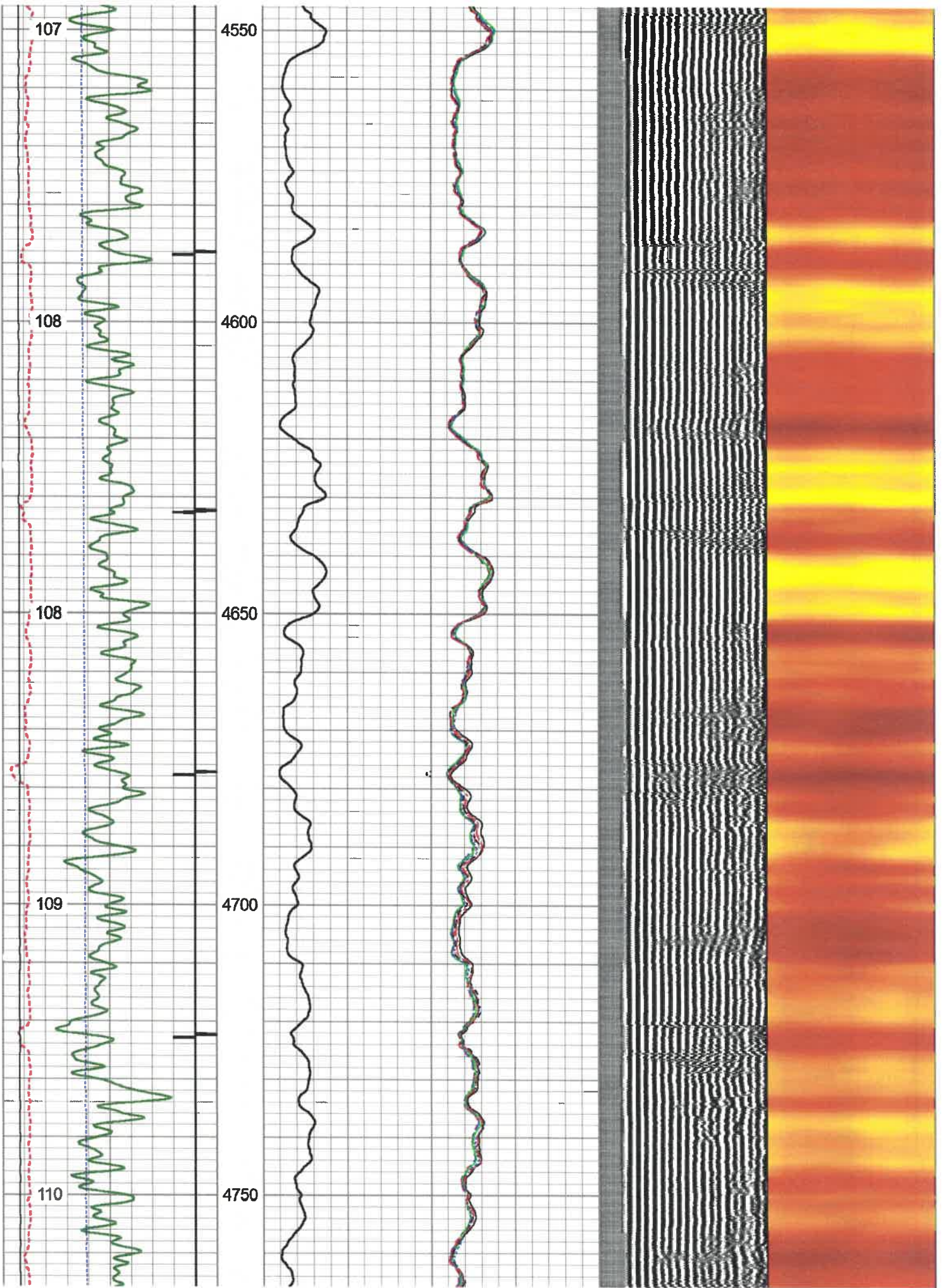


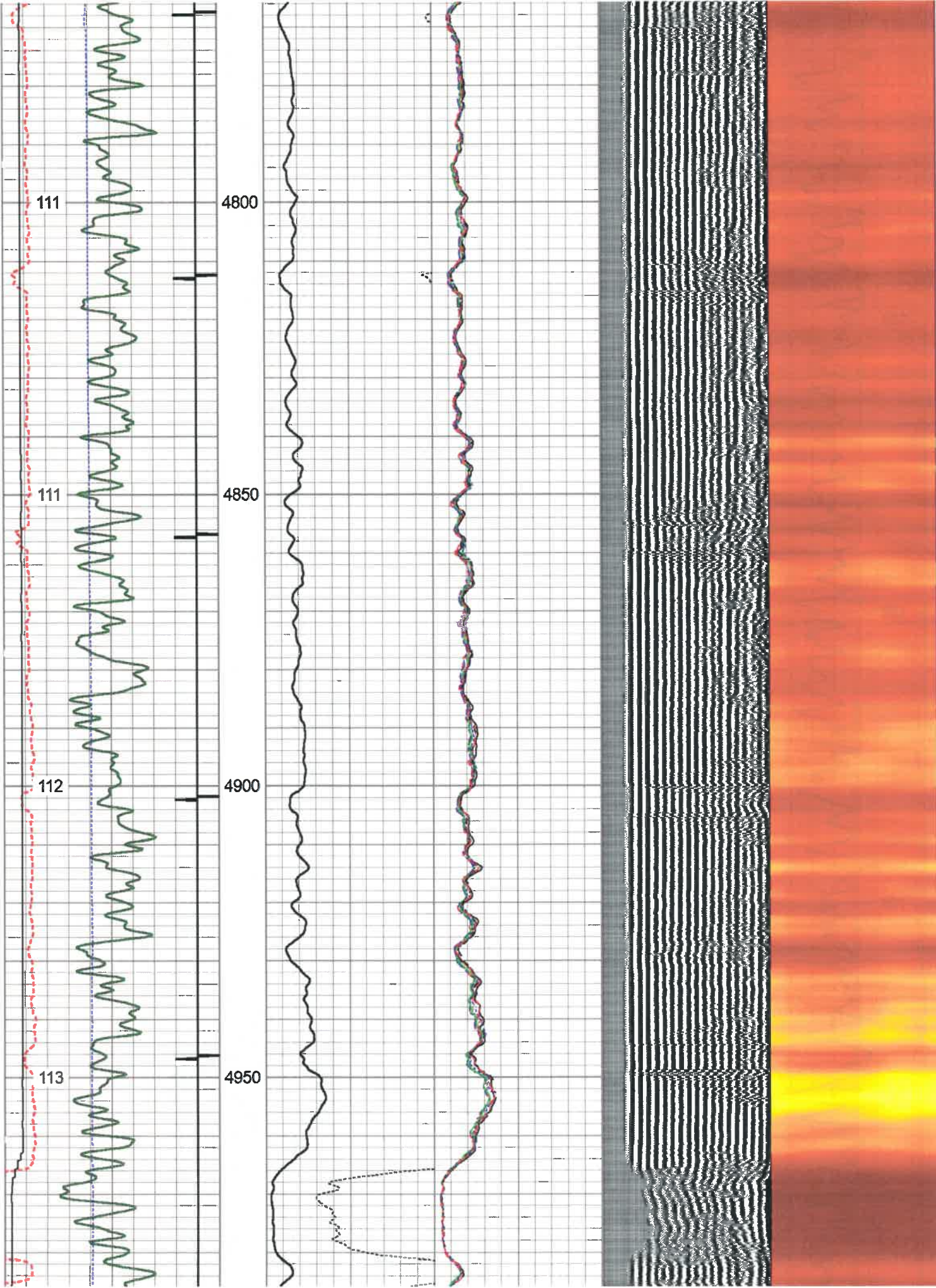


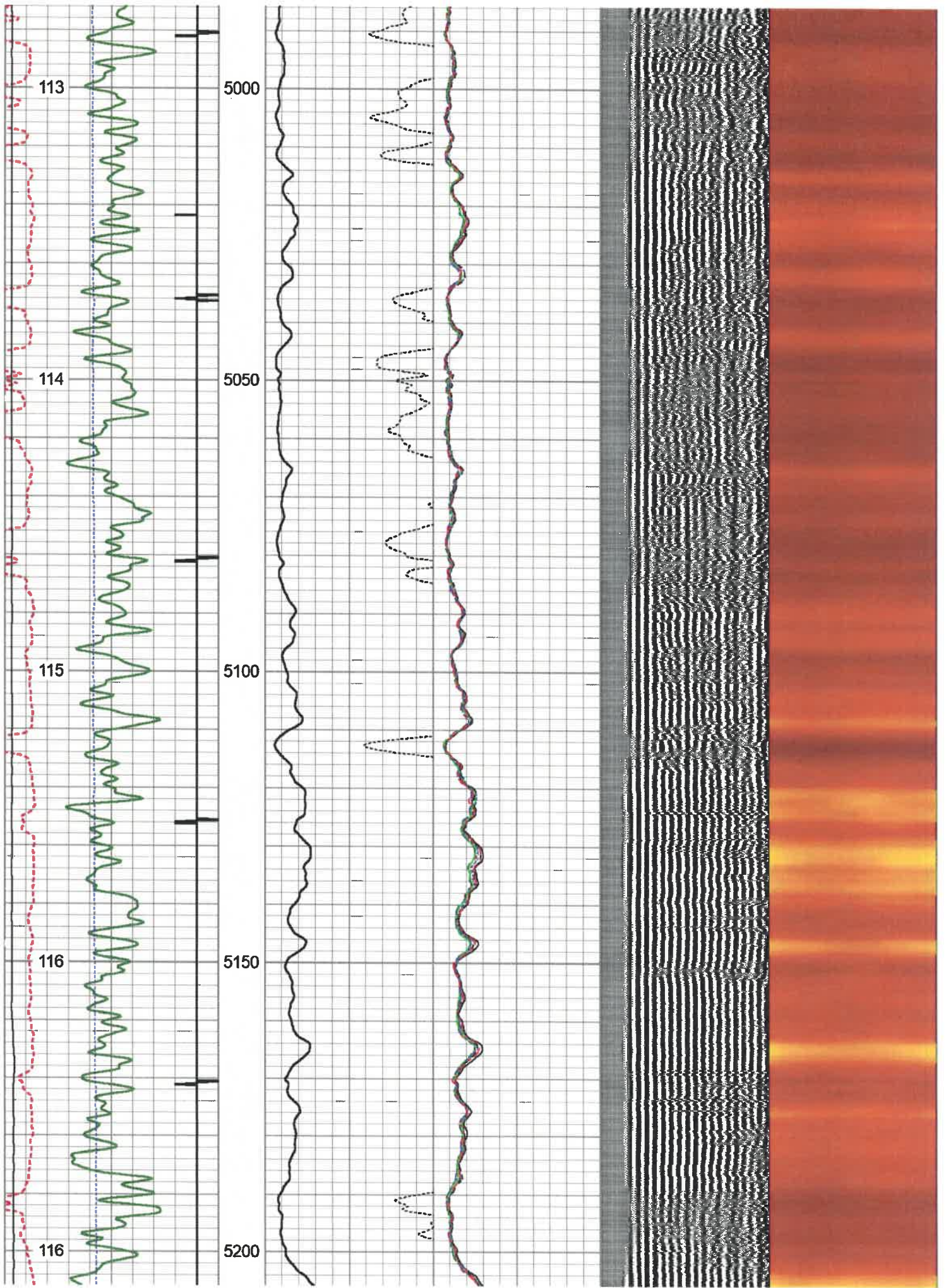


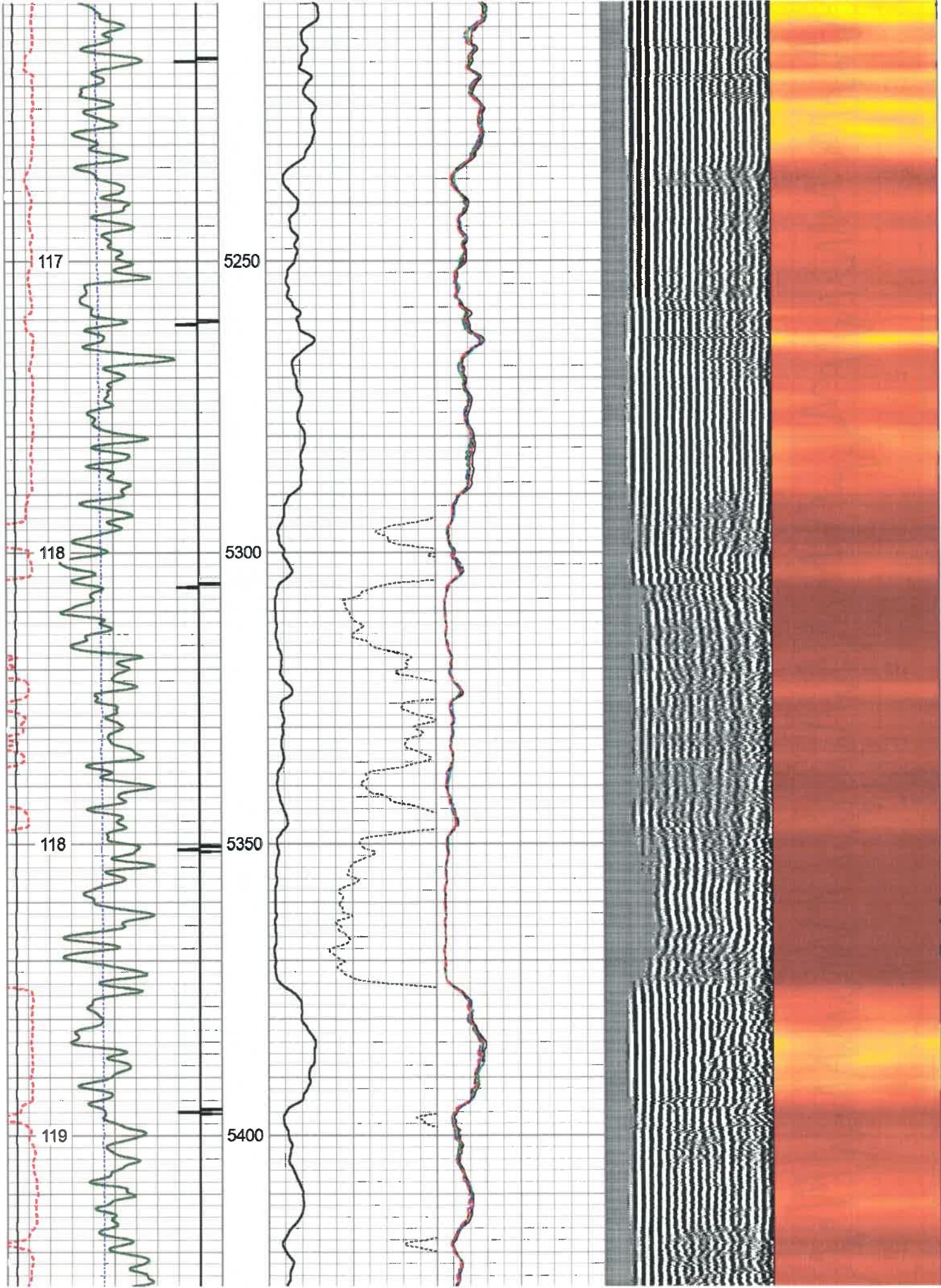


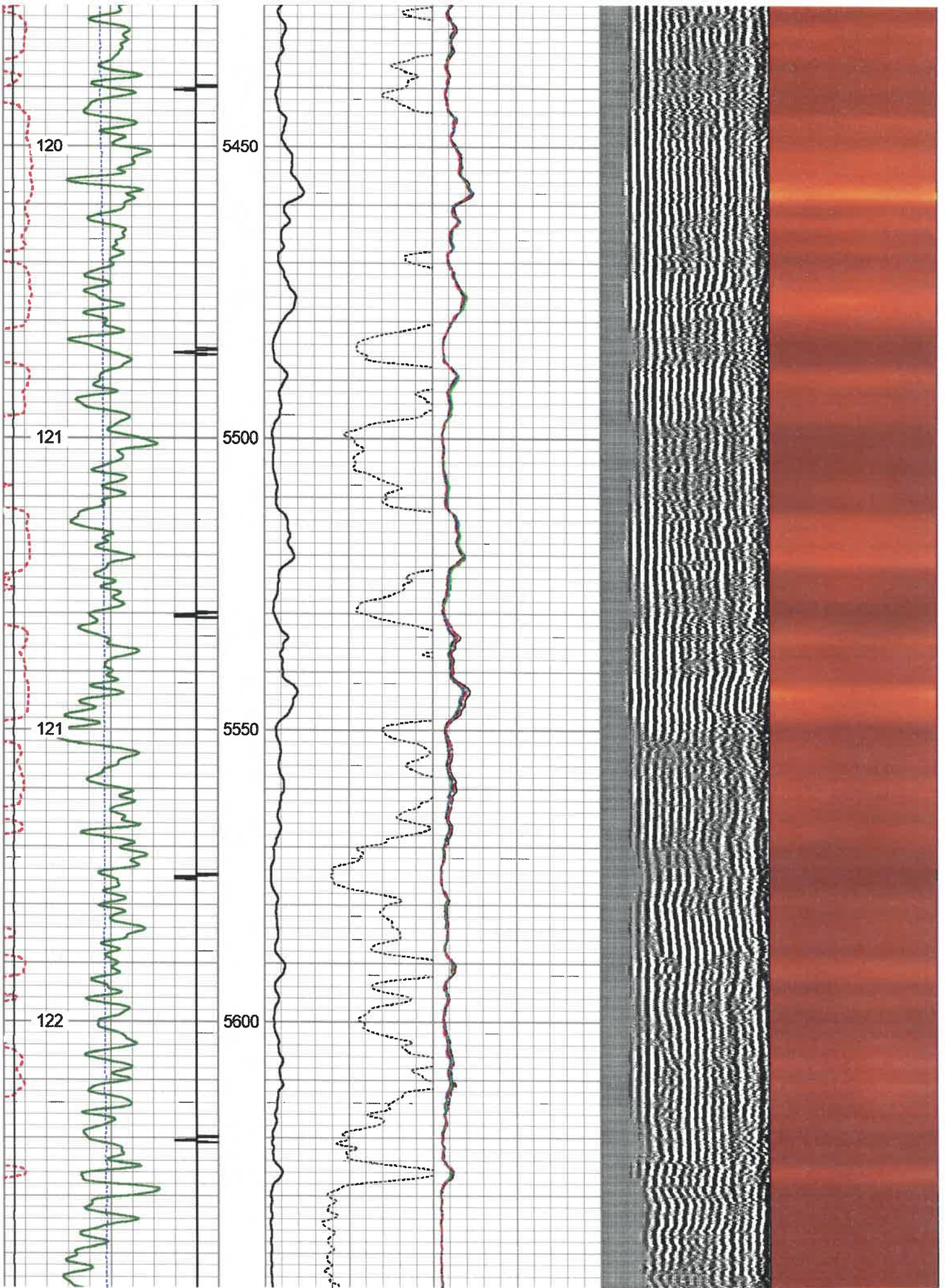


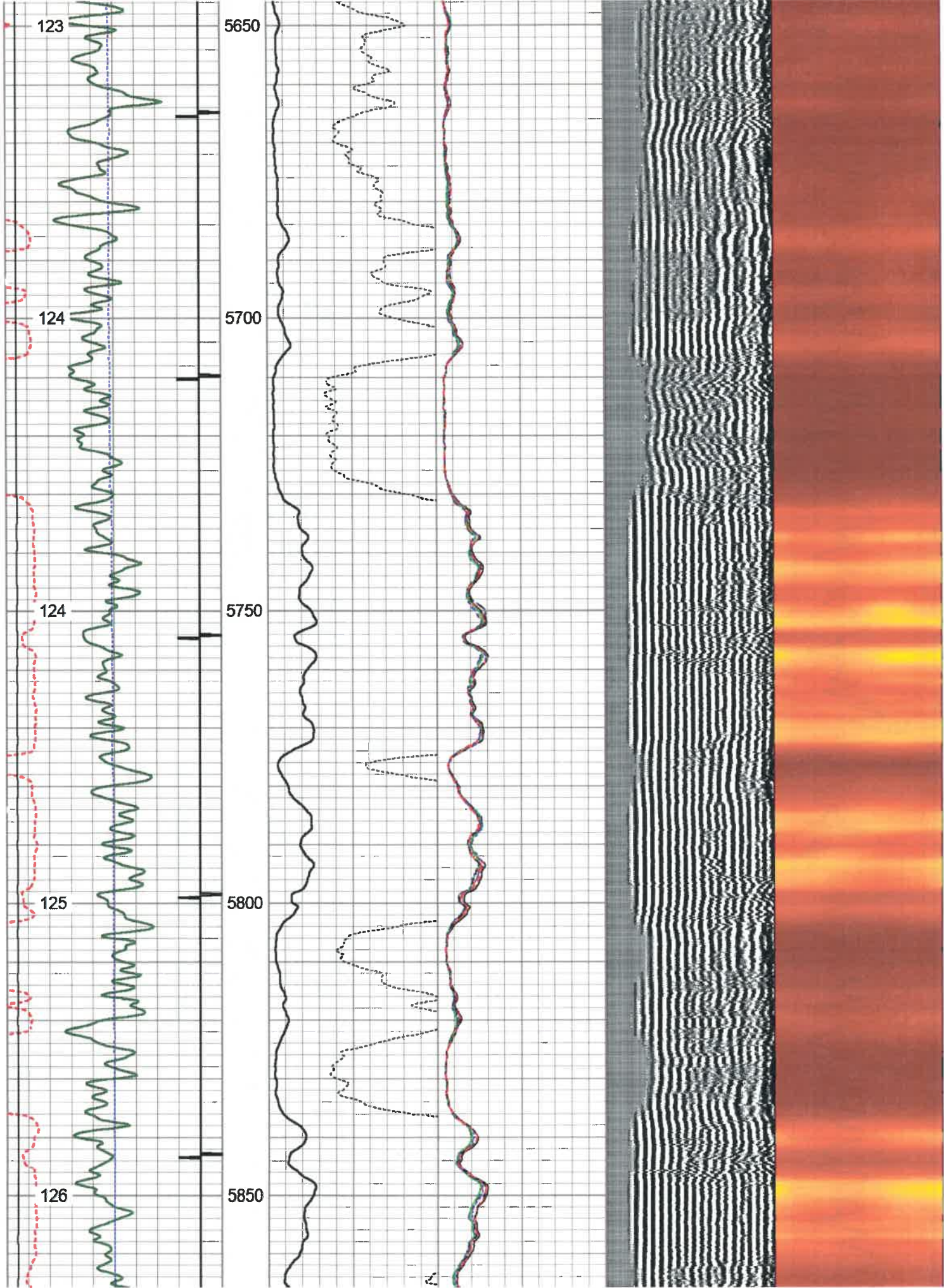


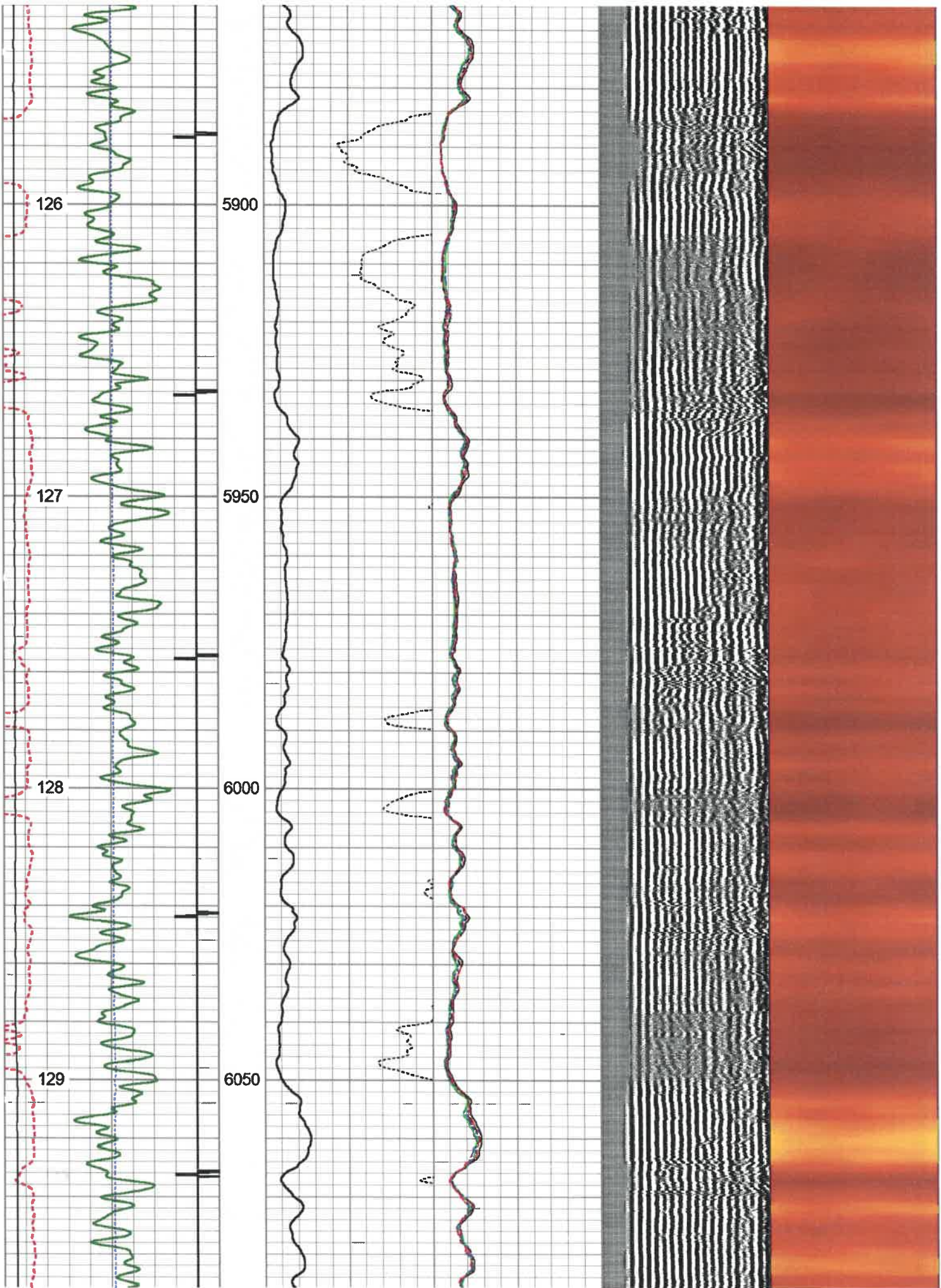


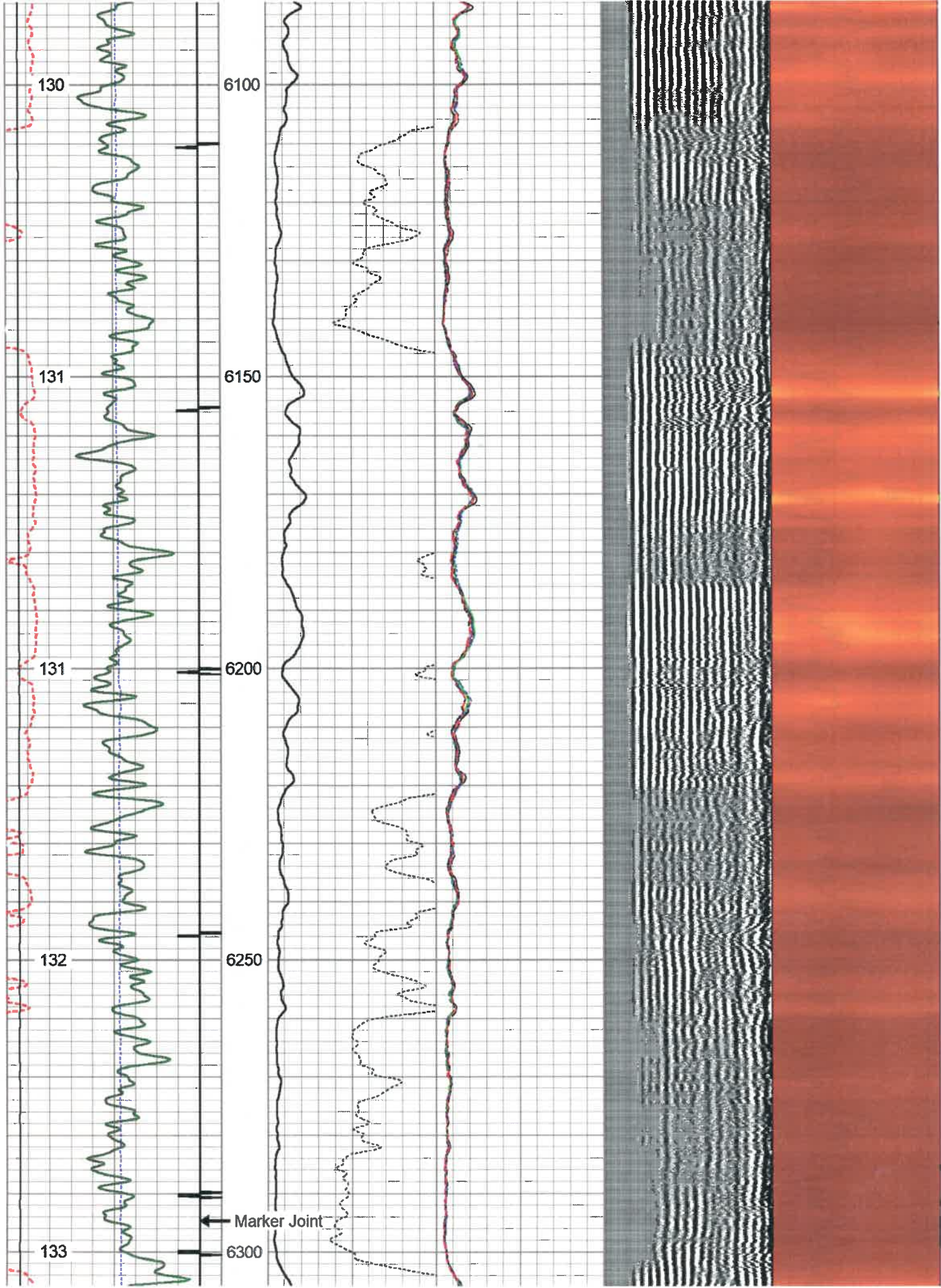


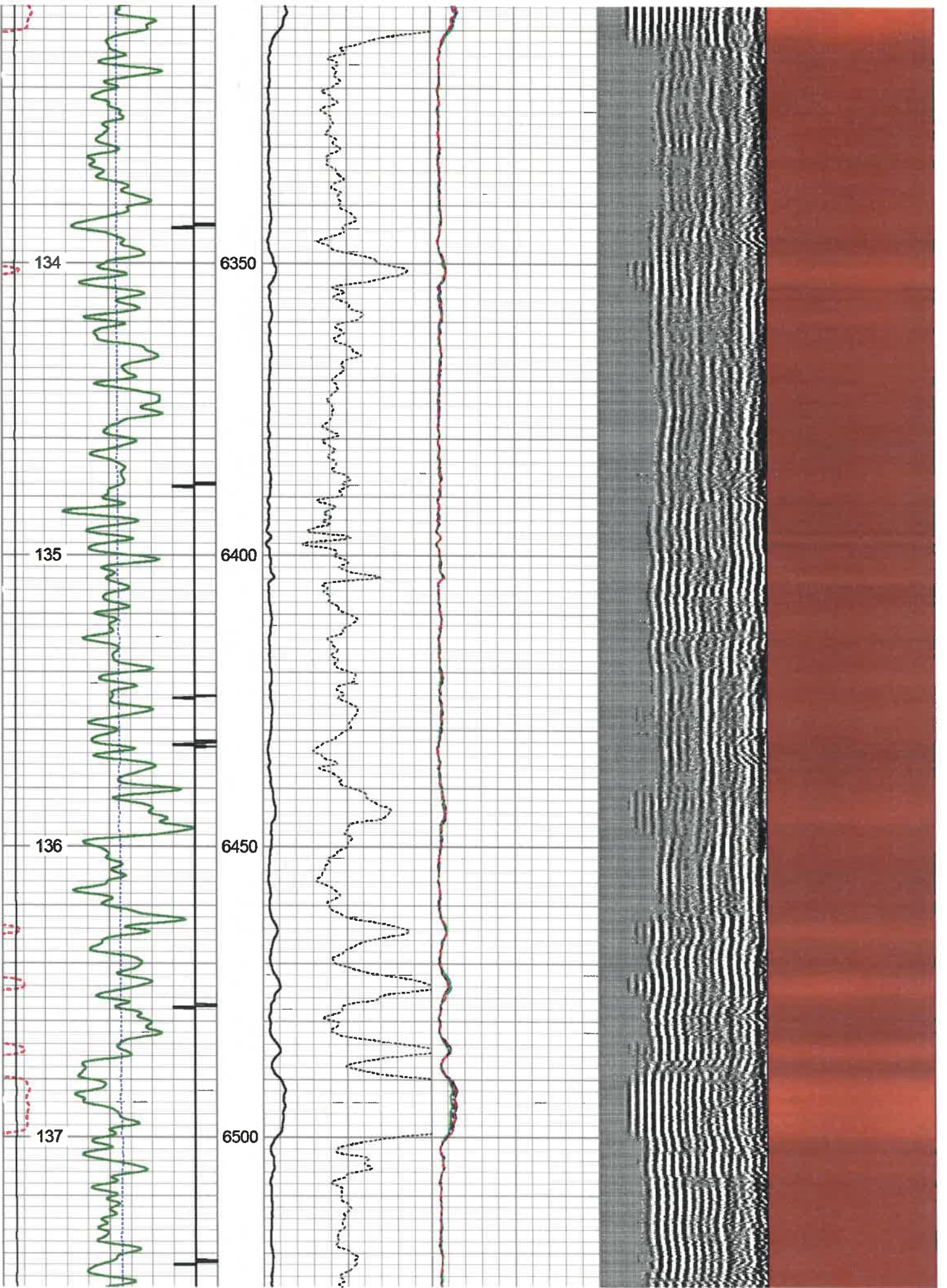


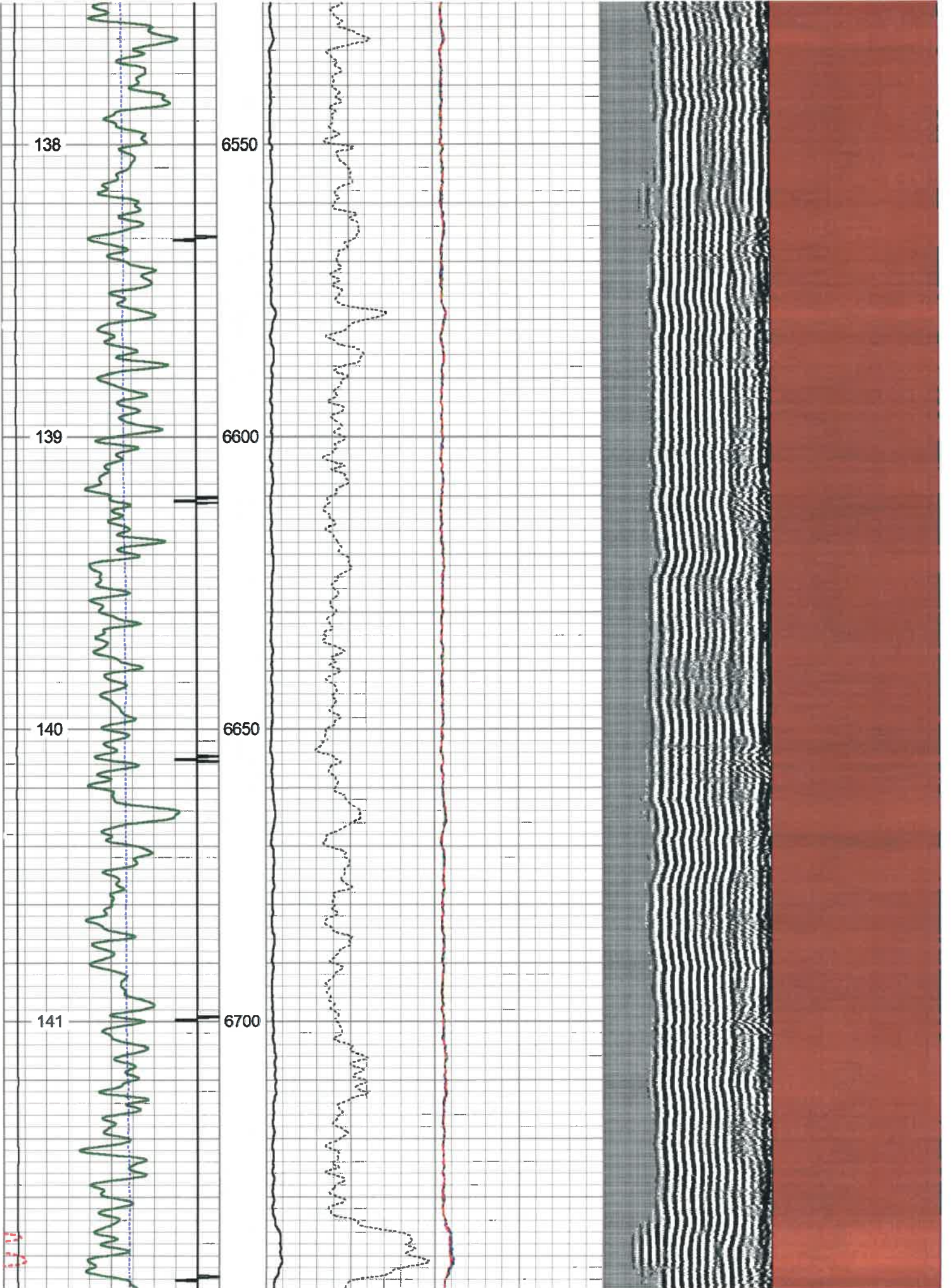


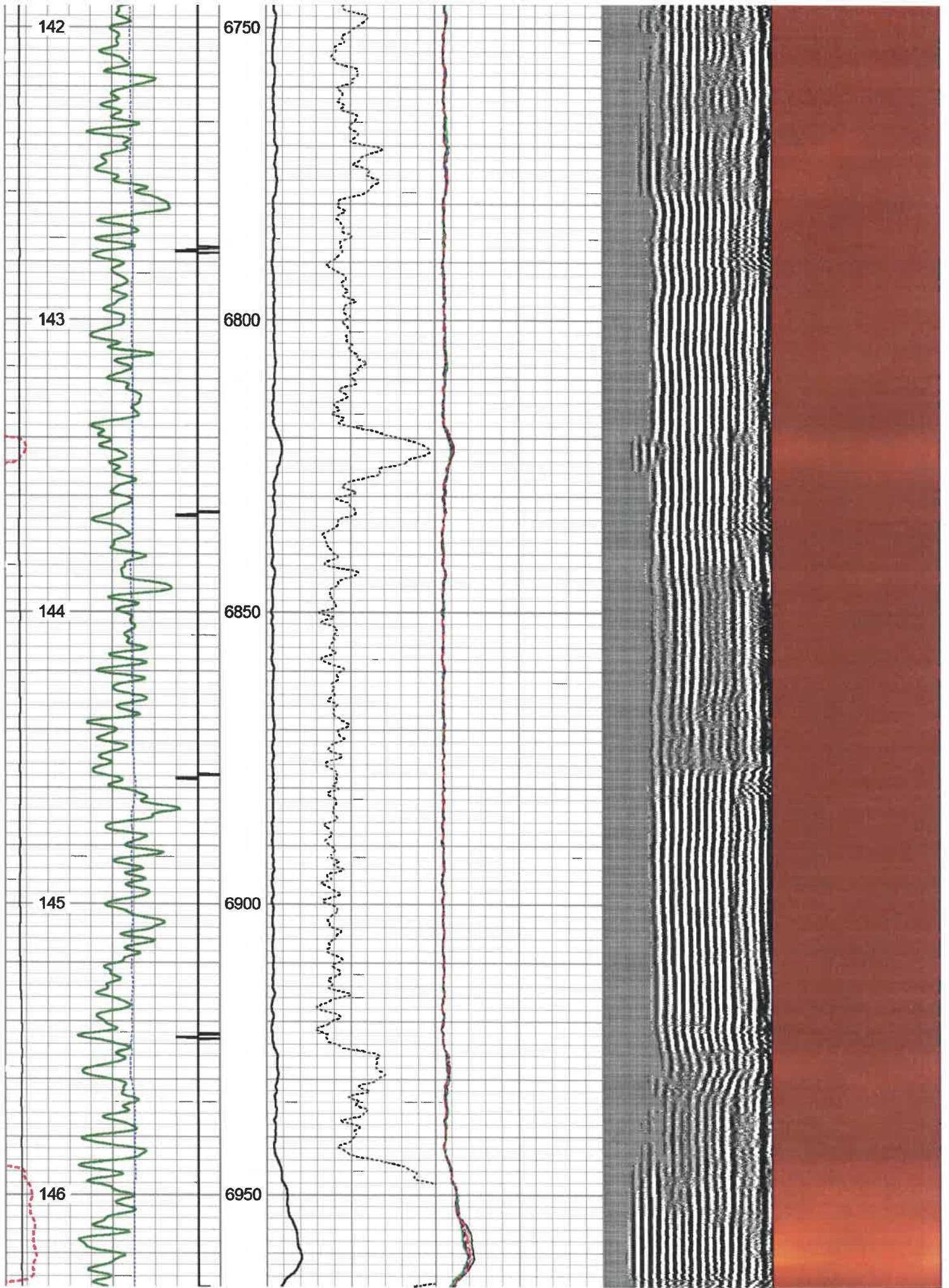


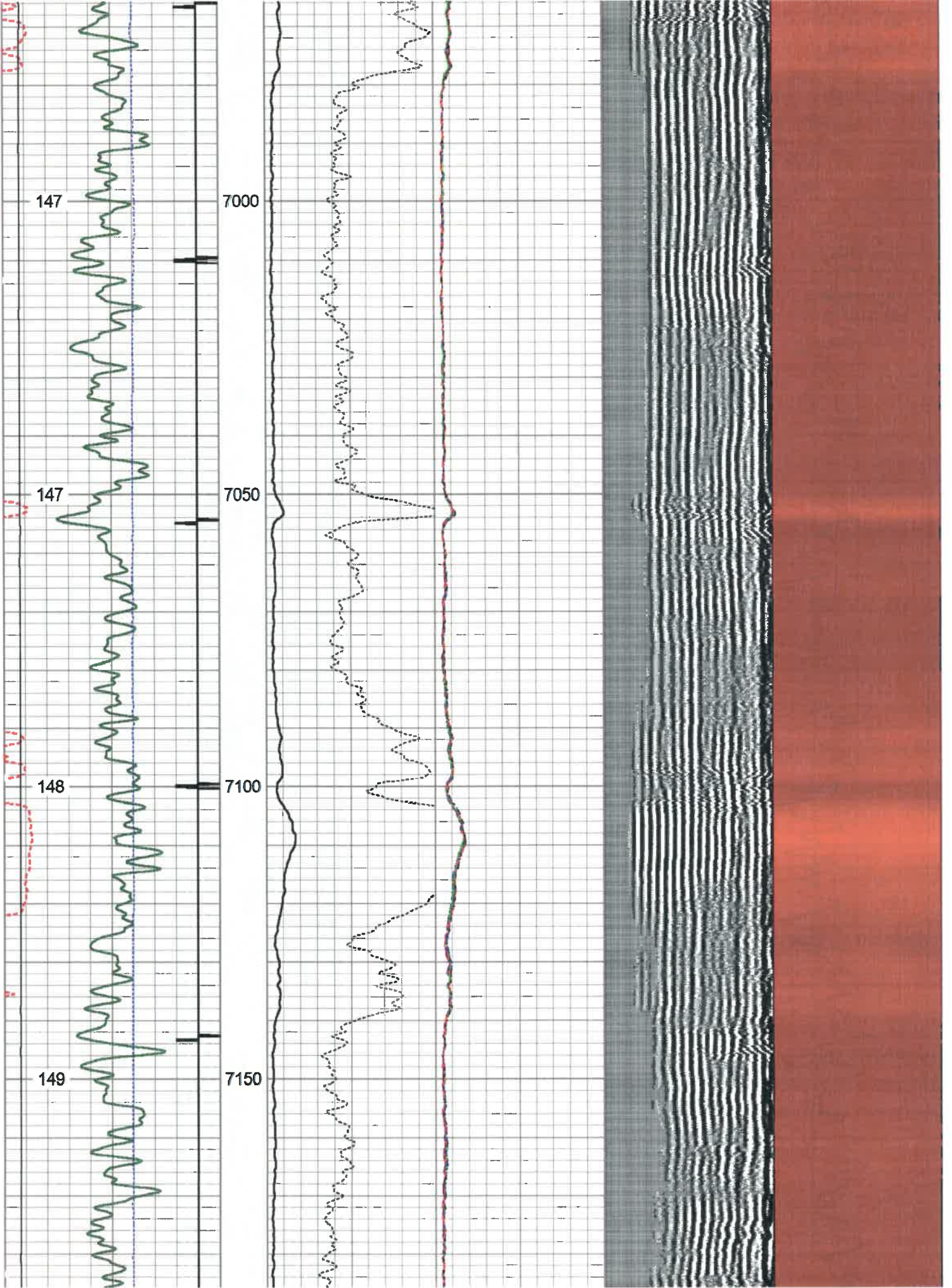


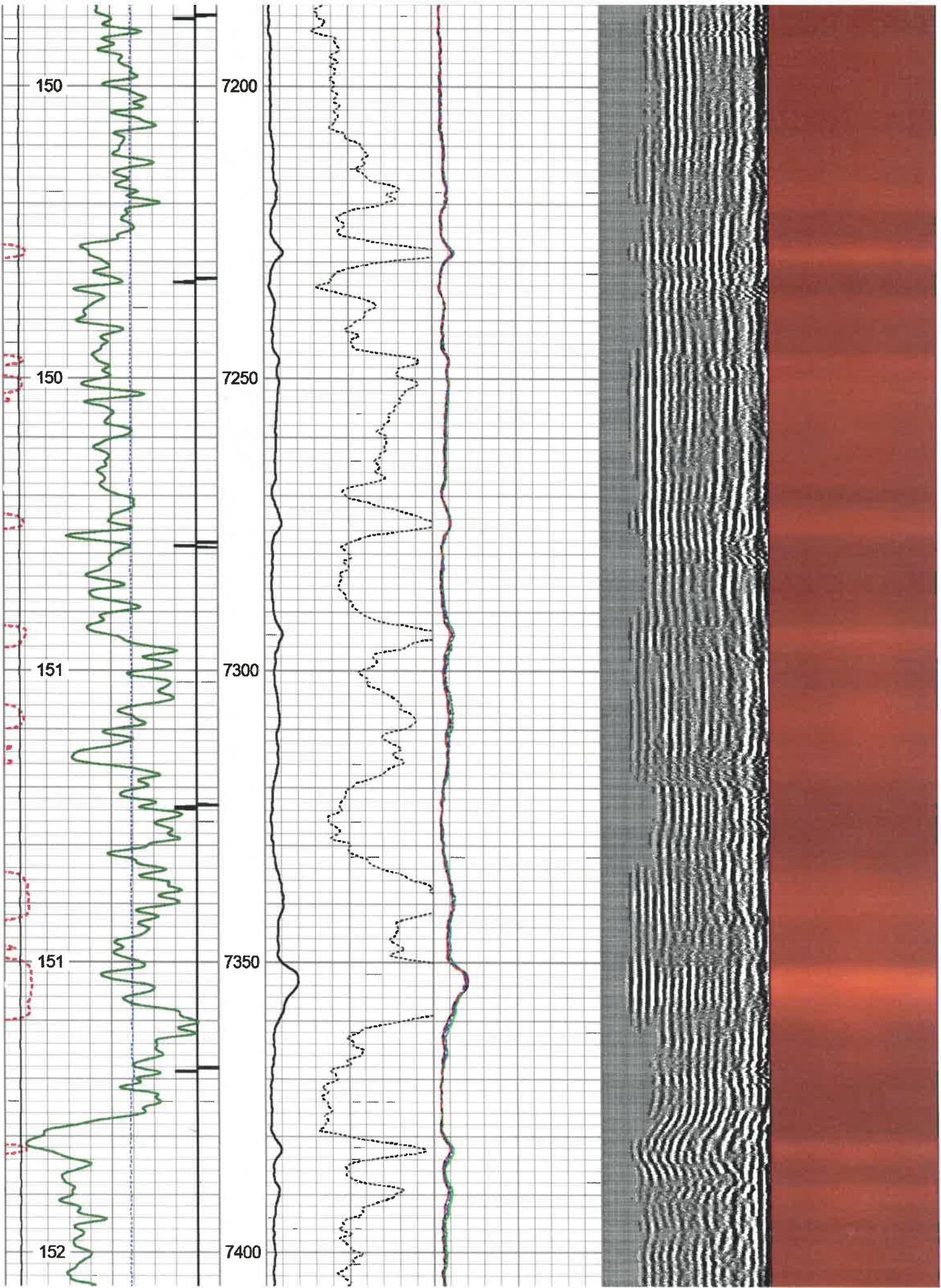


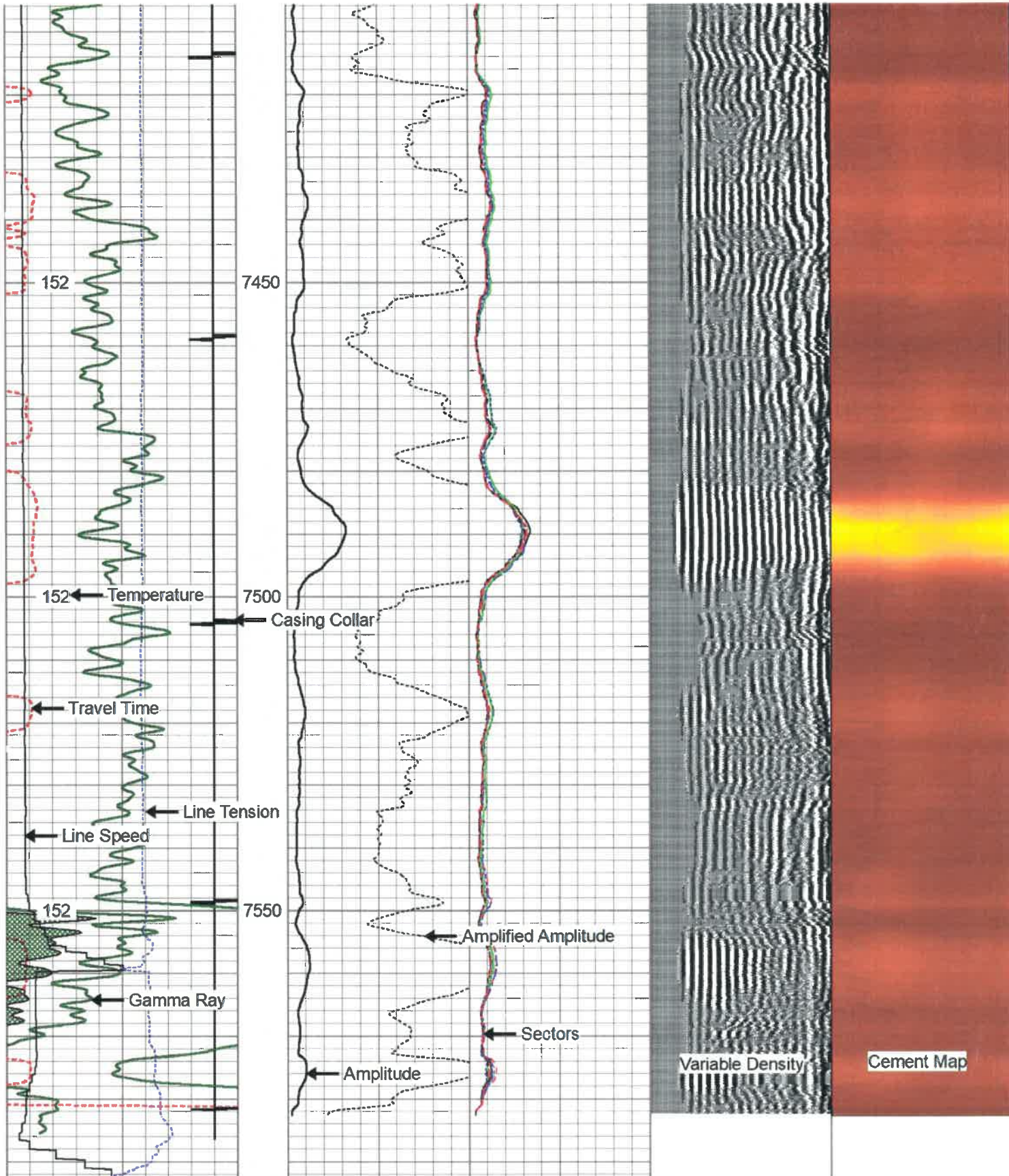












270	Travel Time (usec)	170
Casing Collar		
0	Gamma Ray (GAPI)	120
0	LTEN (lb)	2500
-100	LSPD (ft/min)	100
Temp		
(degF)		

0	Amplitude (mV)	100	-5	Sector 1	150
	Amplified Amplitude		-5	Sector 2	150
0	(mV)	10	-5	Sector 3	150
			-5	Sector 4	150
			-5	Sector 5	150
			-5	Sector 6	150
			-5	Sector 7	150

Variable Density	1	Cement Map	8
200	(usec)		1200

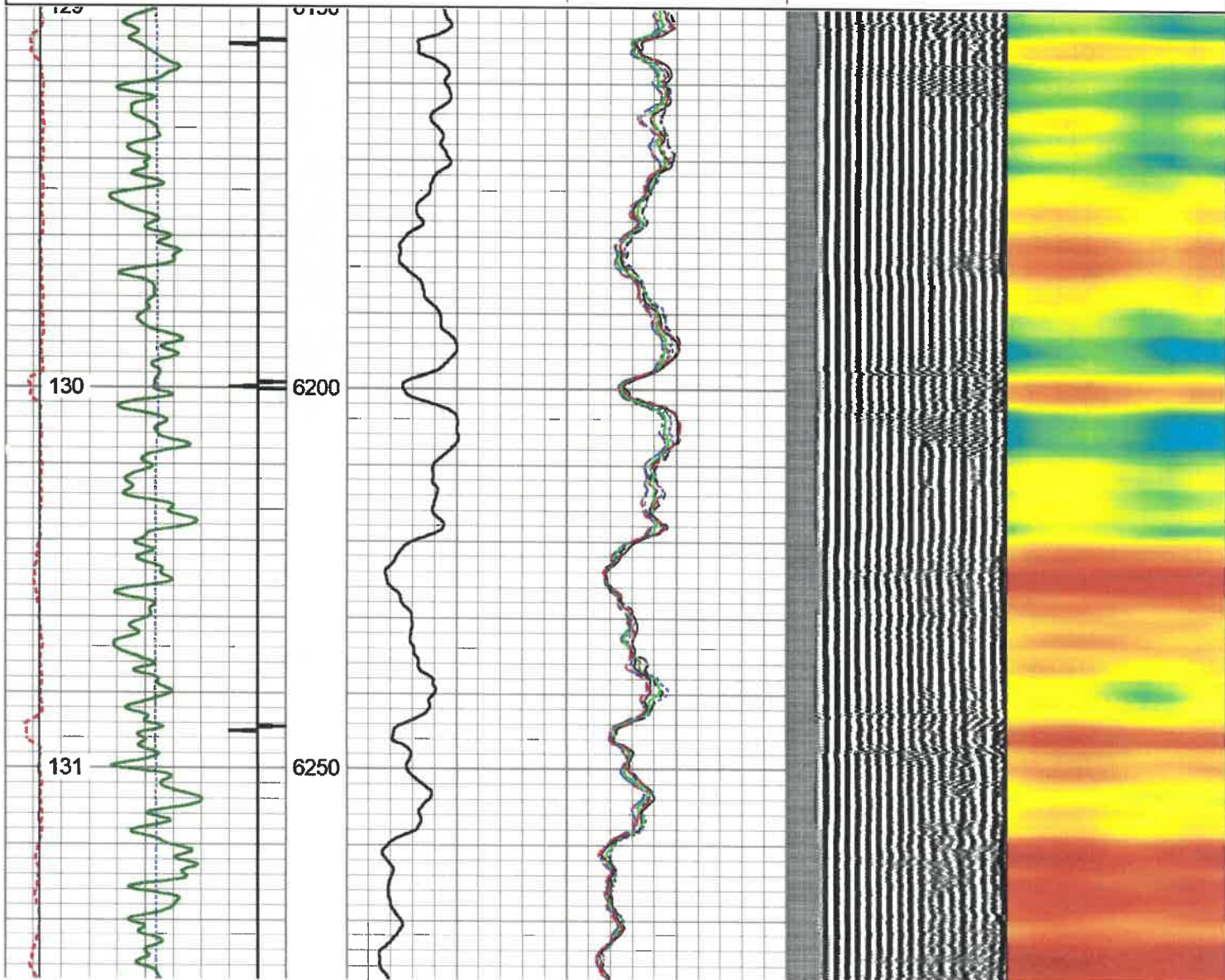


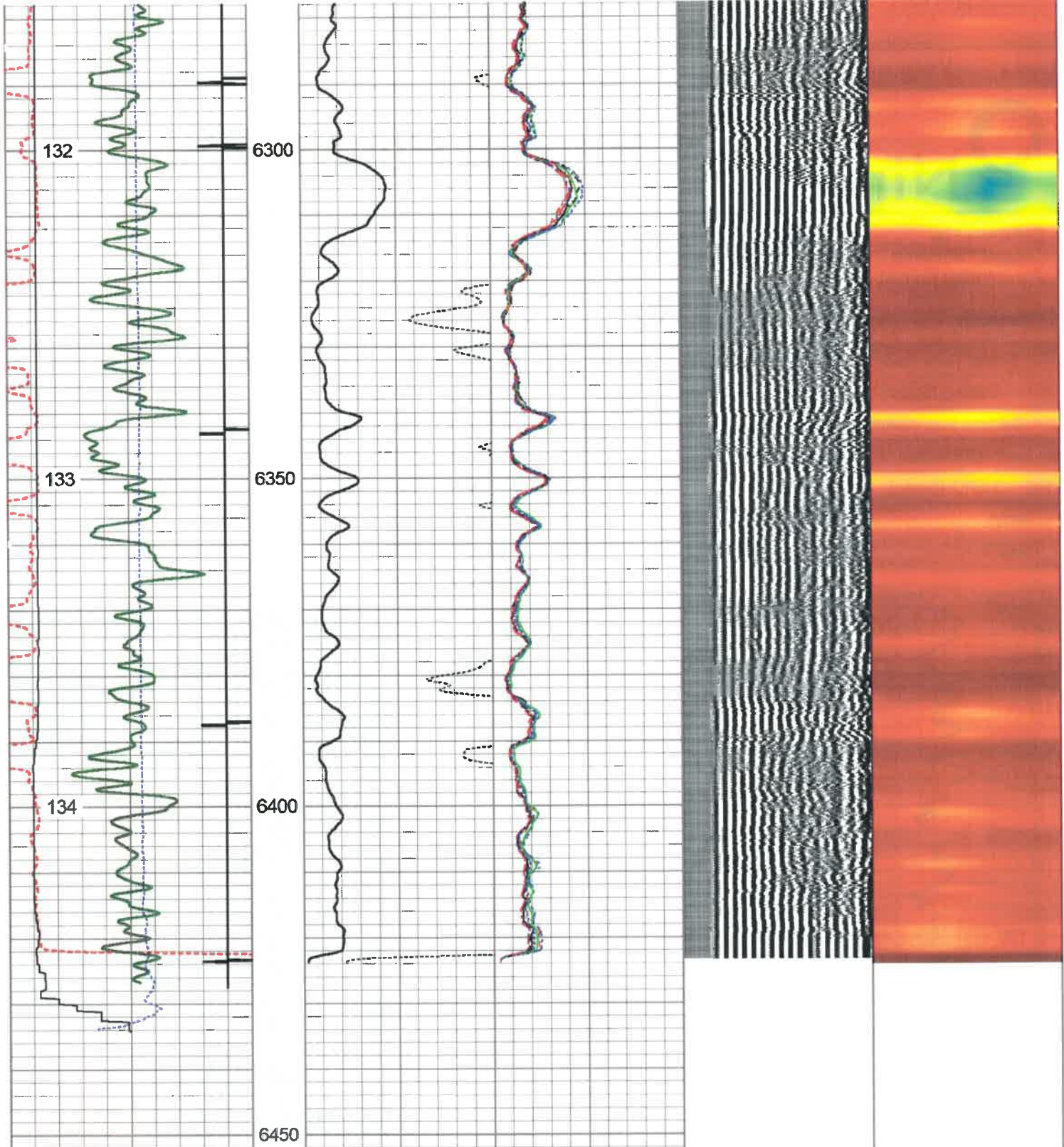


Repeat Pass 0 PSI

Database File antero_george_scott_clipper_1h_rcbl_nineenergy_04_jan_2020.db
 Dataset Pathname south_canton/clipper1h/rcbl/pass2
 Presentation Format rcbl 2
 Dataset Creation Sat Jan 04 16:02:34 2020
 Charted by Depth in Feet scaled 1:240

270 Travel Time (usec) 170	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) 120	0 (mV) 10	-5 Sector 3 150		
0 LTEN (lb) 2500		-5 Sector 4 150		
-100 LSPD (ft/min) 100		-5 Sector 5 150		
Temp		-5 Sector 6 150		
(degF)		-5 Sector 7 150		
		-5 Sector 8 150		





270	Travel Time (usec)	170
Casing Collar		
0	Gamma Ray (GAPI)	120
0	LTEN (lb)	2500
-100	LSPD (ft/min)	100
Temp	(degF)	

0	Amplitude (mV)	100	-5	Sector 1	150
Amplified Amplitude					
0	(mV)	10	-5	Sector 2	150

			-5	Sector 3	150

			-5	Sector 4	150

			-5	Sector 5	150

			-5	Sector 6	150

			-5	Sector 7	150

			-5	Sector 8	150

Variable Density	1	Cement Map	8
200	(usec)	1200	



Log Variables

Database: C:\ProgramData\Warrior\Data\antero_george_scott_clipper_1h_rcbl_nineenergy_04_jan_2020.db
 Dataset: south_canton/clipper1h/rcbl/pass4.1/_vars_

Top - Bottom

BHTEMP_Src TEMP	BOREID in 8.75	BOTTEMP degF 152	CASEOD in 5.5	CASETHCK in 0.361	CASEWGHT lb/ft 20	MAXAMPL mV 72	MINAMPL mV 2.2
MINATTN db/ft 10.6	PERFS No	PPT usec 261	SRFTEMP degF 45	TDEPTH ft 7580			

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 antero_george_scott_clipper_1h_rcbl_nineenergy_04_jan_2020.db
 Dataset Pathname south_canton/clipper1h/rcbl/pass4.1
 Dataset Creation Sat Jan 04 17:56:37 2020

Gamma Ray Calibration Report

Serial Number: FW1211-86
 Tool Model: Probe
 Performed: Sat Jan 04 04:26:07 2020

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.7000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1312-32
 Tool Model: Probe275T

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 101.700 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.522	2.200	71.921	45.798	2.200
CAL	0.419	1.062				
5'	-0.004	1.307	2.200	71.921	53.210	2.397
SUM						
S1	0.000	1.399	0.000	100.000	71.503	-0.001
S2	0.000	1.584	0.000	100.000	63.118	-0.001
S3	0.000	1.589	0.000	100.000	62.917	-0.001
S4	0.000	1.604	0.000	100.000	62.331	-0.001
S5	0.000	1.610	0.000	100.000	62.100	-0.001

S6	0.000	1.542	0.000	100.000	64.838	-0.001
S7	0.000	1.454	0.000	100.000	68.792	-0.000
S8	0.000	1.443	0.000	100.000	69.304	-0.001

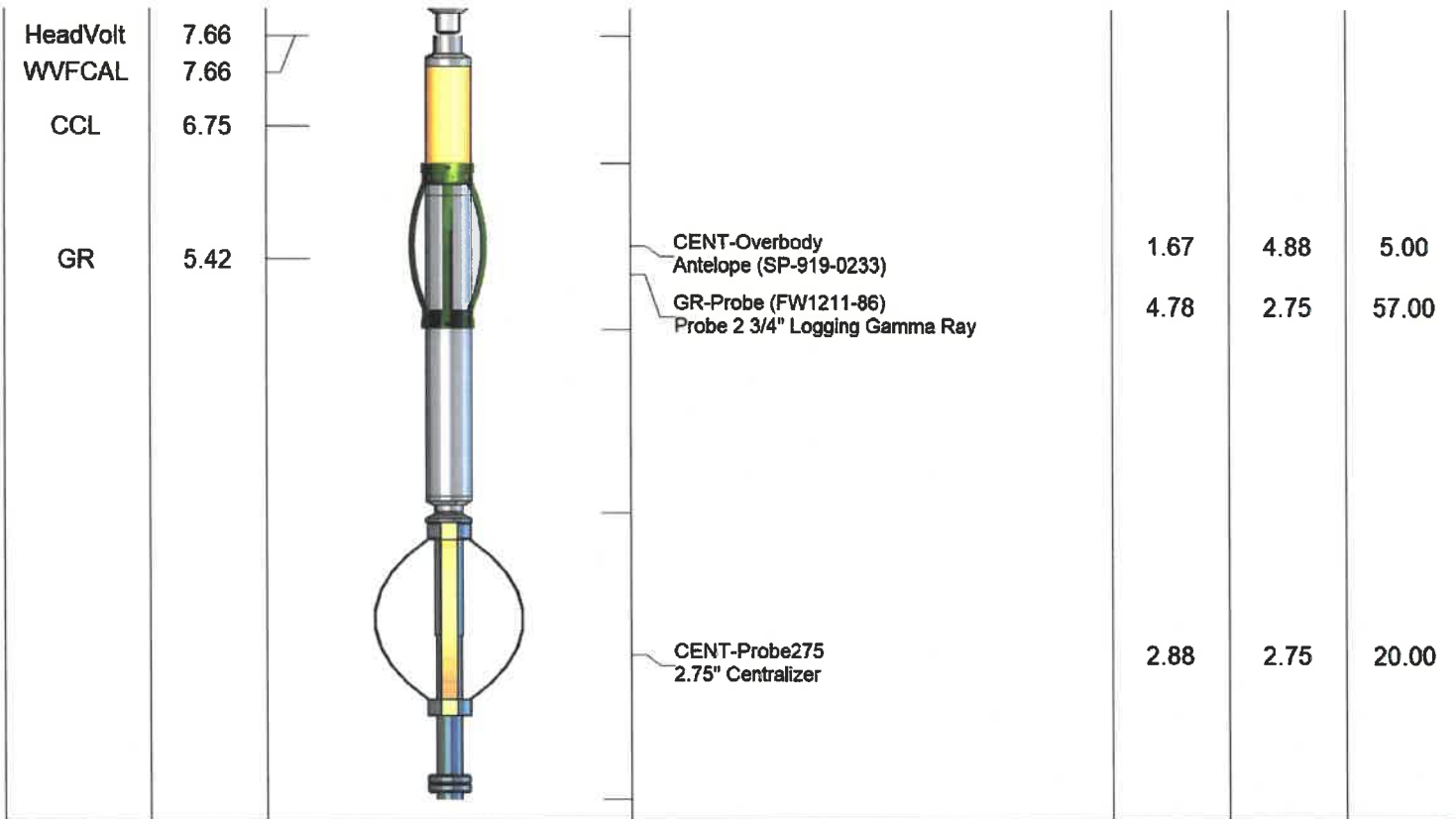
Internal Reference Calibration, performed Thu Sep 27 16:01:58 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.419	1.062	1.000	0.000

Air Zero Calibration, performed Fri Jan 03 15:06:42 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 Titan 1 7/16" GO Cablehead	1.00	1.44	5.00
			CENT-Overbody Antelope (SP-919-0233)	1.67	4.88	5.00
			RBT-Probe275T (FW1312-32) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
Temp	14.14					
WVFS8	11.91					
WVFS7	11.91					
WVFS6	11.91					
WVFS5	11.91					
WVFS4	11.91					
WVFS3	11.91					
WVFS2	11.91					
WVFS1	11.91					
WVF3FT	11.91					
WVF5FT	10.91					



Dataset: antero_george_scott_clipper_1h_rcbl_nineenergy_04_jan_2020.db: south_canton/clipper1h/rcbl/pass4.1
 Total length: 18.05 ft
 Total weight: 182.00 lb
 O.D.: 4.88 in



Nine

Company	Antero Resources
Well	George Scott Clipper Unit 1H
Field	South Canton
County	Doddridge
State	West Virginia

