



Nine

RADIAL
BOND
LOG

Company ANTERO
Well PEGGY JUNE 2H
Field SOUTH CANTON
County DODDRIDGE
State WEST VIRGINIA

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Well PEGGY JUNE 2H
Field SOUTH CANTON
County DODDRIDGE State WEST VIRGINIA

Location: API #: 47017068990000 Other Services

SEC	TWP	RGE	Elevation	30'	Elevation
Permanent Datum	GL				K.B.
Log Measured From	KB				D.F.
Drilling Measured From	KB				GL.

Date	3-MAR-2021						
Run Number	ONE						
Depth Driller	20,132'						
Depth Logger							
Bottom Logged Interval							
Top Log Interval							
Open Hole Size	N/A						
Type Fluid	BRINE						
Density / Viscosity	8.6#						
Max. Recorded Temp.							
Estimated Cement Top							
Time Well Ready							
Time Logger on Bottom							
Equipment Number	TK-127						
Location	CHARLEROI,PA						
Recorded By	D.JOSEPHIK						
Witnessed By	JOE REED						
Borehole Record							
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record			Tubing Record				
Surface String	Size	Wgt/Ft	Top	Bottom			
Prof. String							
Production String	5.5	20#	SURFACE	20,132'			
Liner							

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

LOG CORRELATED TO MARKER JOINT PER OSR

MARKER JOINT @ 6615'-6625'

RECEIVED
Office of Oil and Gas

AUG 30 2021

WV Department of
Environmental Protection

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-Titn275Adj Titan 2 3/4" Adjustable Centralizer	2.86	2.75	35.00
HeadVolt	16.97					
Temp	14.12					
WVFS8	11.89		RBT-Probe275T (FW1312-32) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	90.00
WVFS7	11.89					
WVFS6	11.89					
WVFS5	11.89					
WVFS4	11.89					
WVFS3	11.89					
WVFS2	11.89					
WVFS1	11.89					
WVF3FT	11.89					
WVF5FT	10.89					
WVFCAL	7.64					
HEADVOLT	7.64					
			CENT-Titn275Adj Titan 2 3/4" Adjustable Centralizer	2.86	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_peggyjune_2h_cbl_mar_3_2021.db: field/well/run1/pass20
 Total length: 20.89 ft
 Total weight: 222.00 lb
 O.D.: 2.75 in

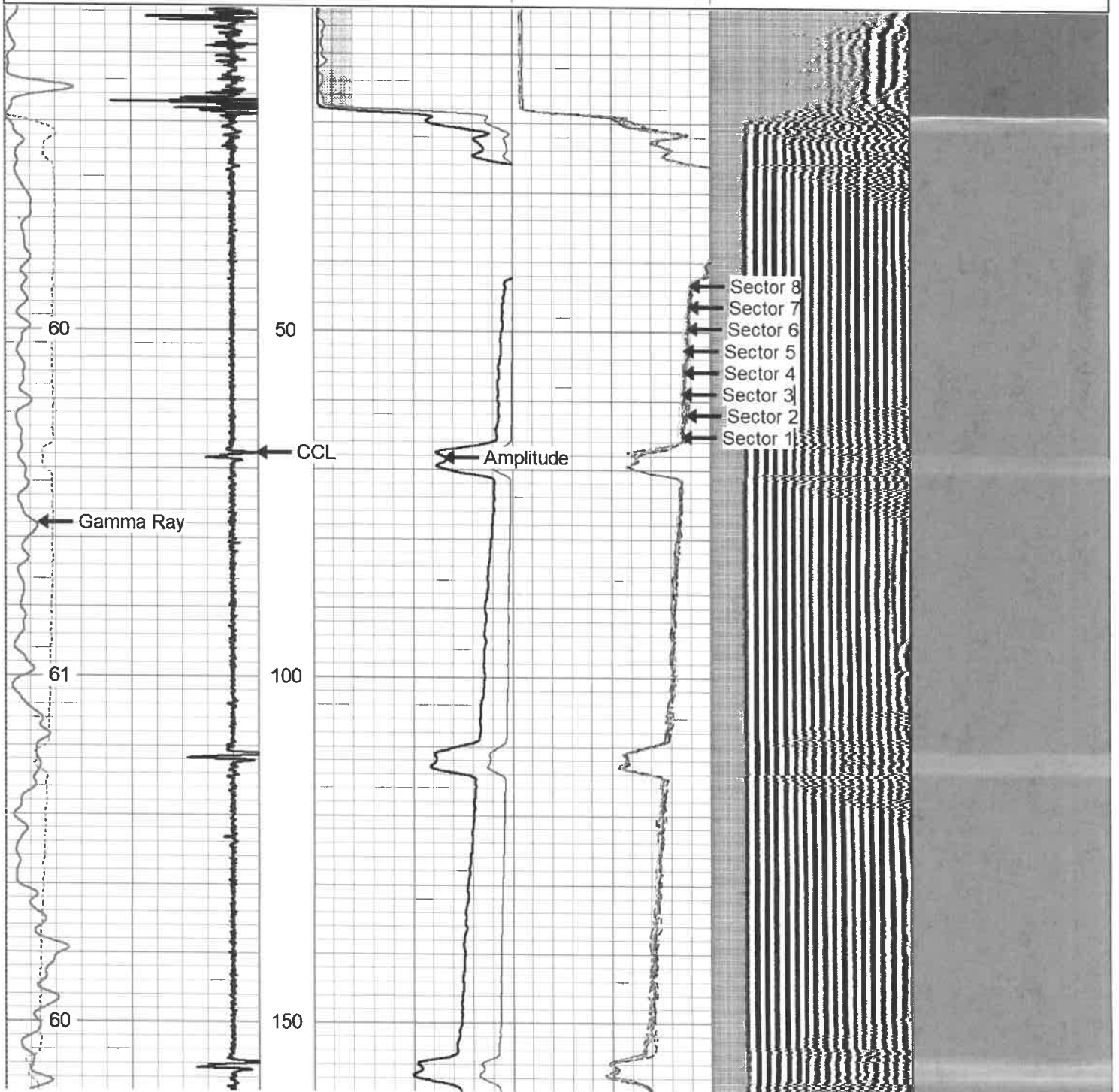


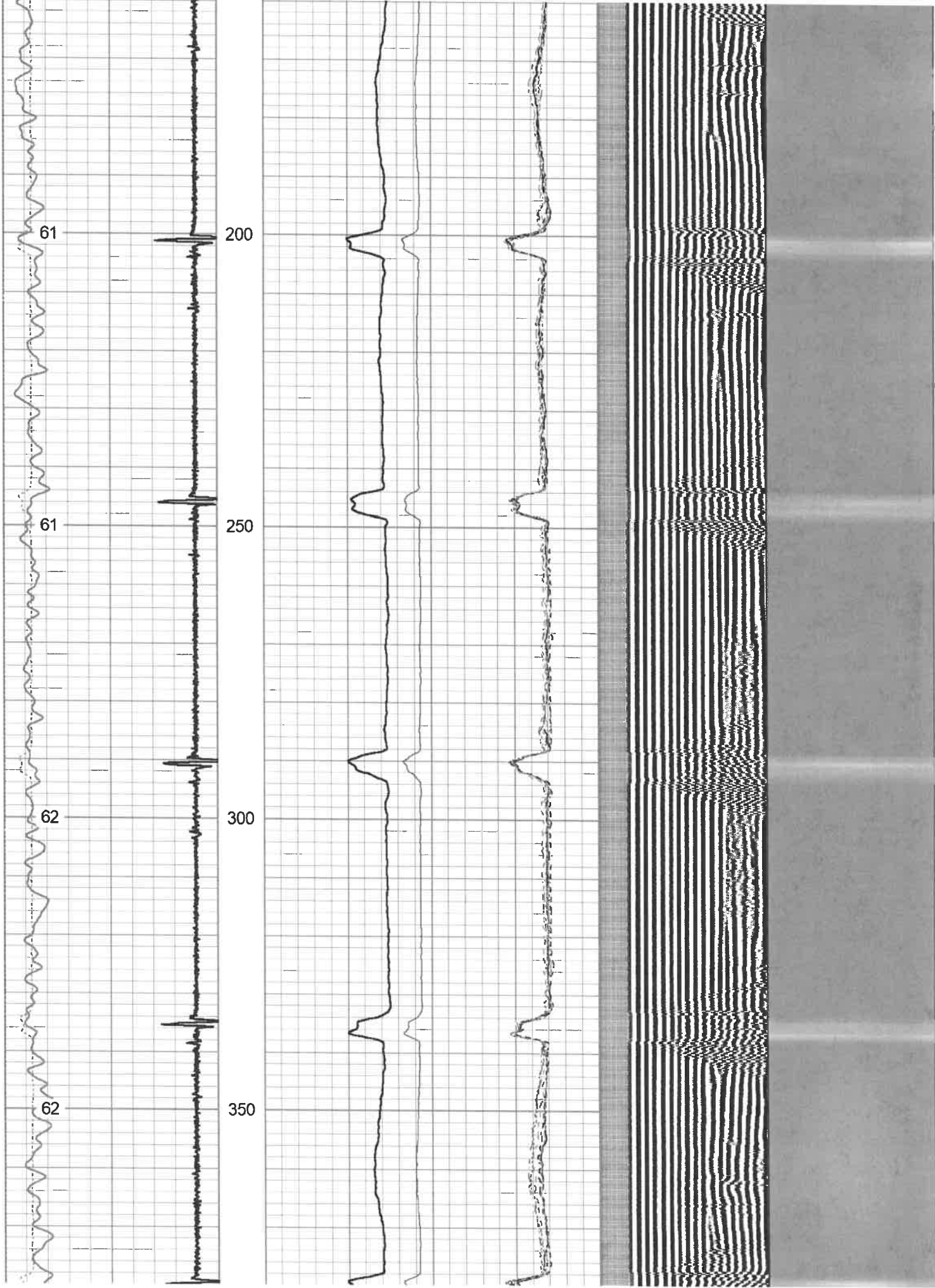
MAIN LOG

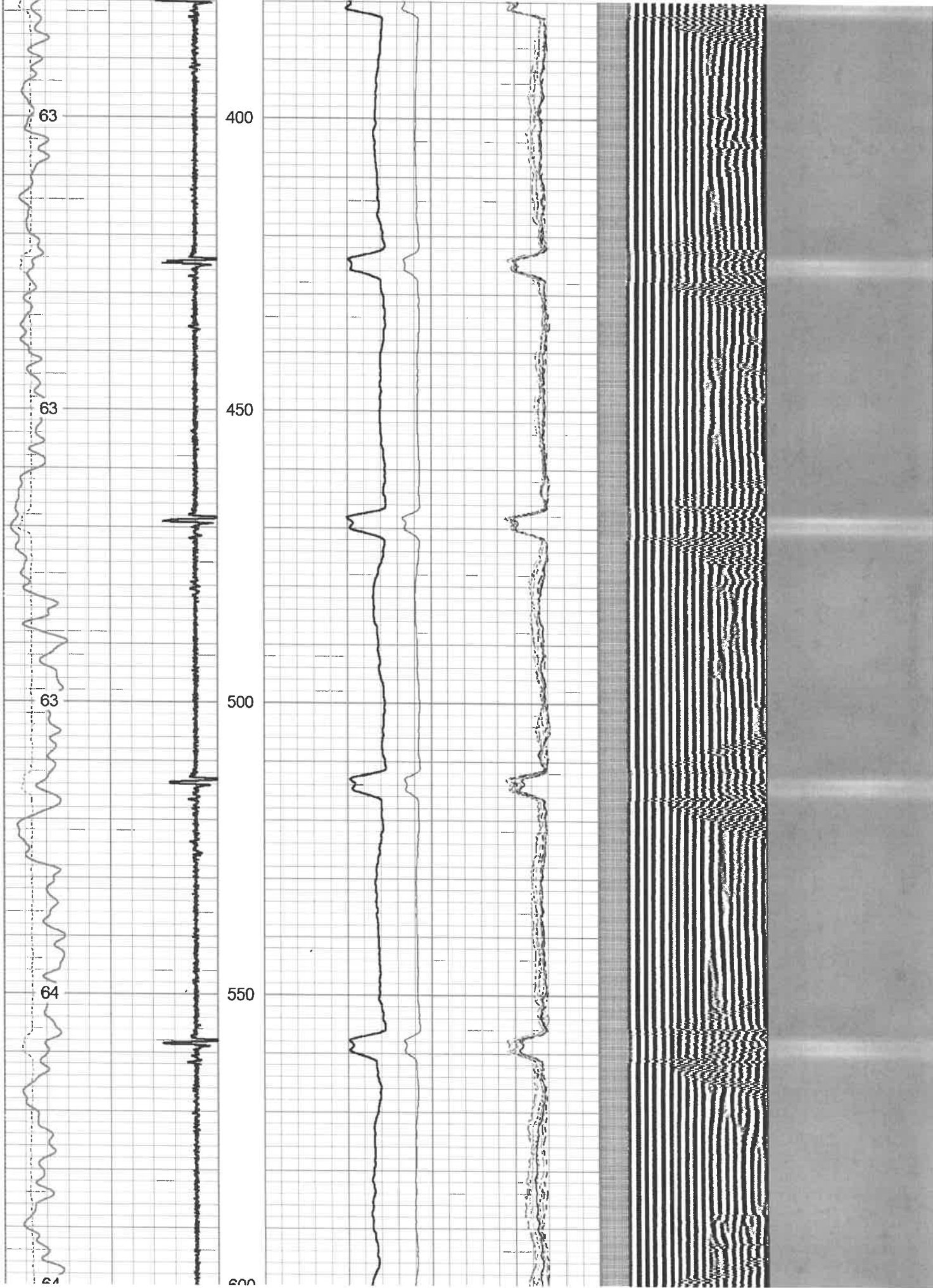
1500 PSI

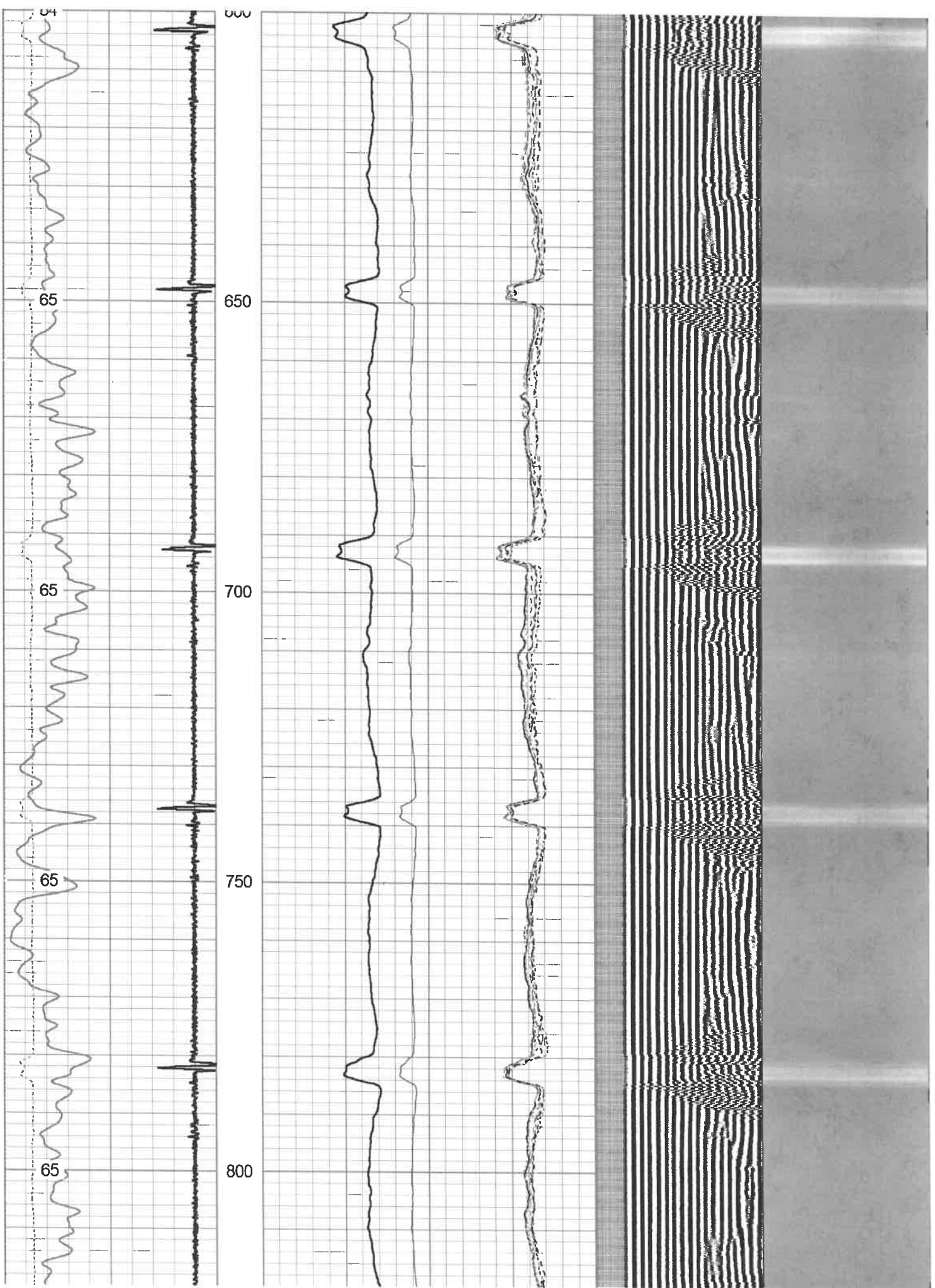
Database File antero_peggyjune_2h_cbl_mar_3_2021.db
 Dataset Pathname pass20
 Presentation Format scbl03
 Dataset Creation Wed Mar 03 14:41:25 2021
 Charted by Depth in Feet scaled 1:240

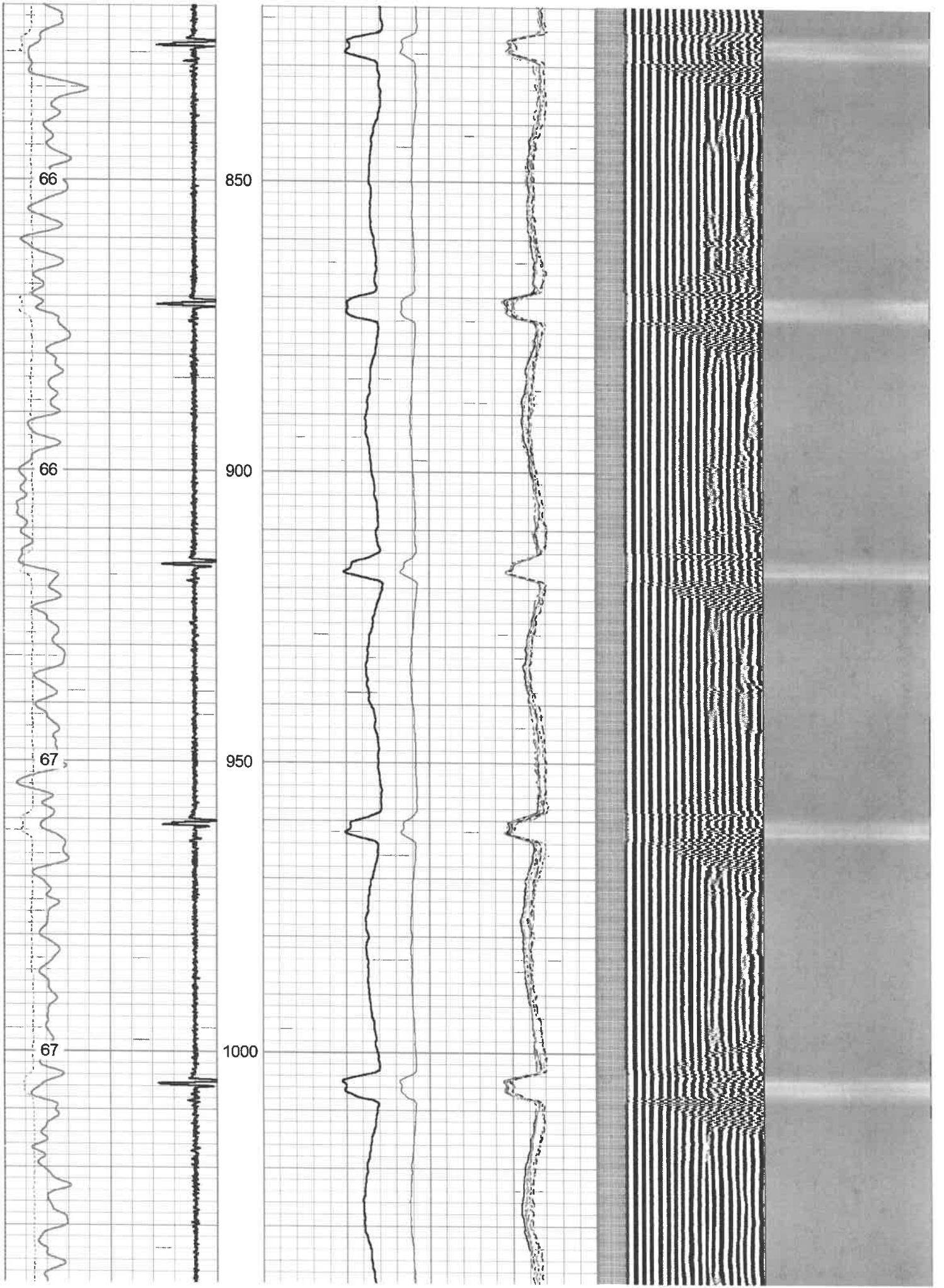
265	Travel Time (usec)	165	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
Casing Collar			1	BONDIX	0	-5	Sector 2	150	(usec)	1200		
0	Gamma Ray (GAPI)	150										
0	LTEN (lb)	2500										
Temp (degF)												

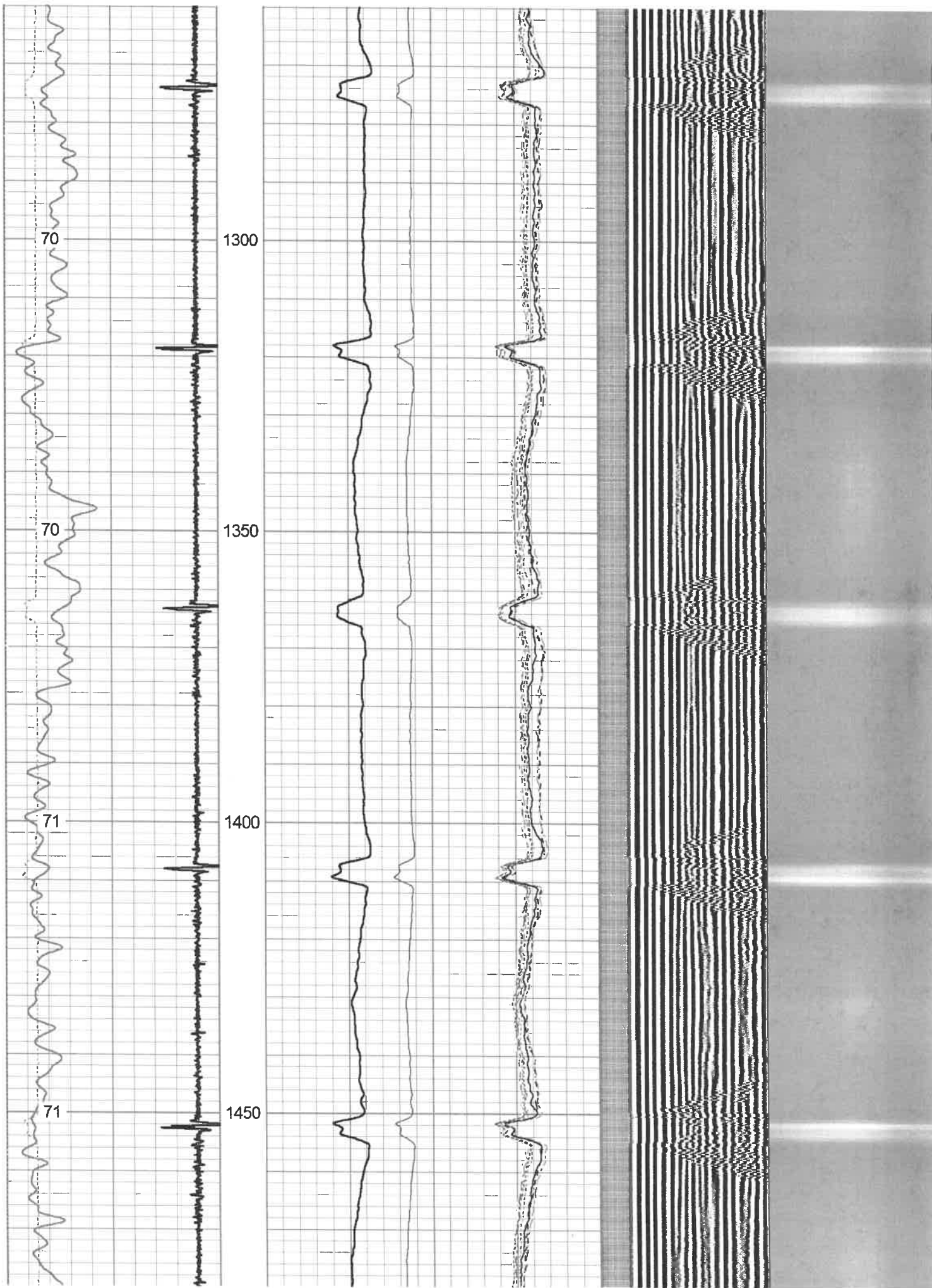


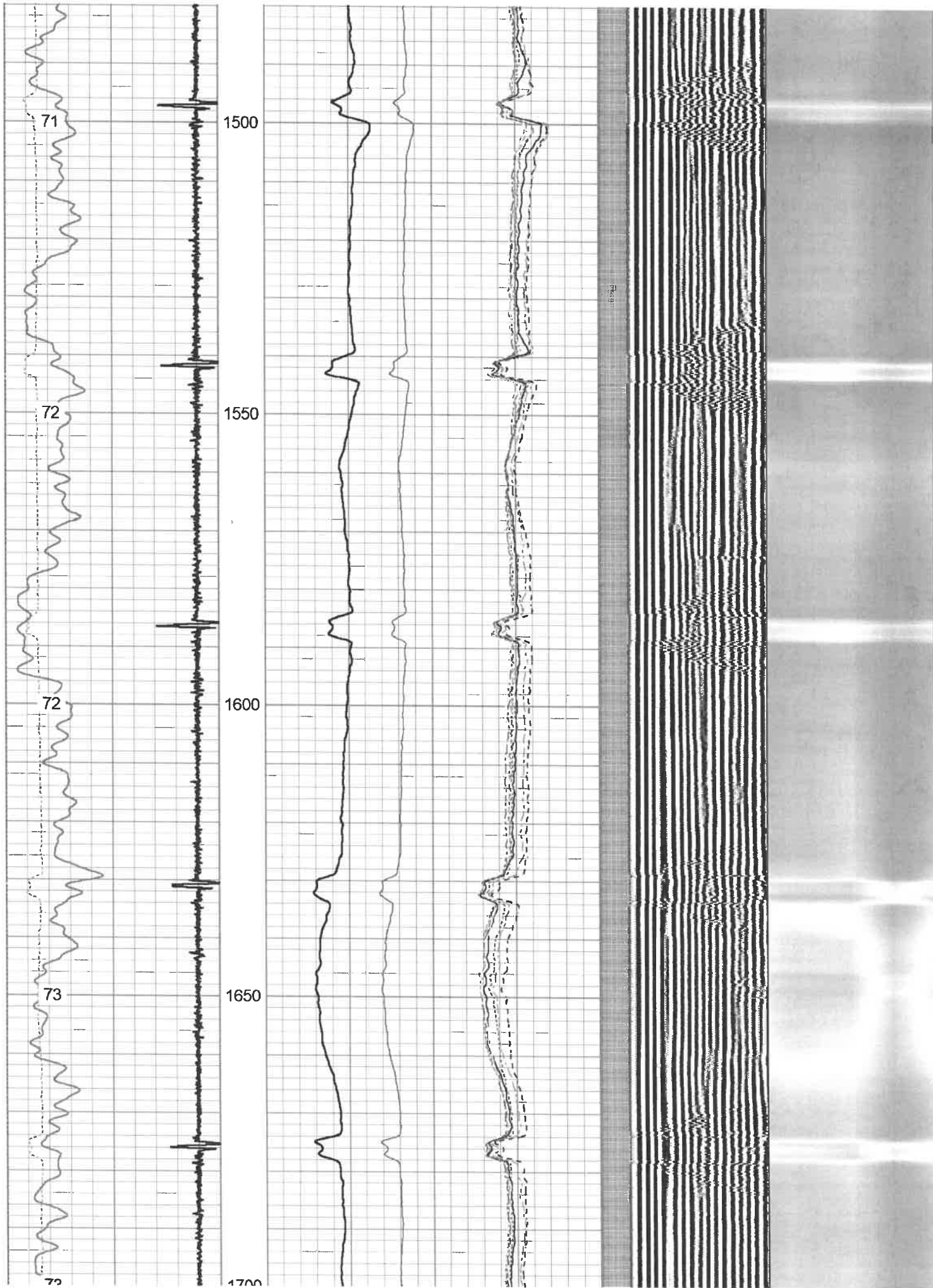


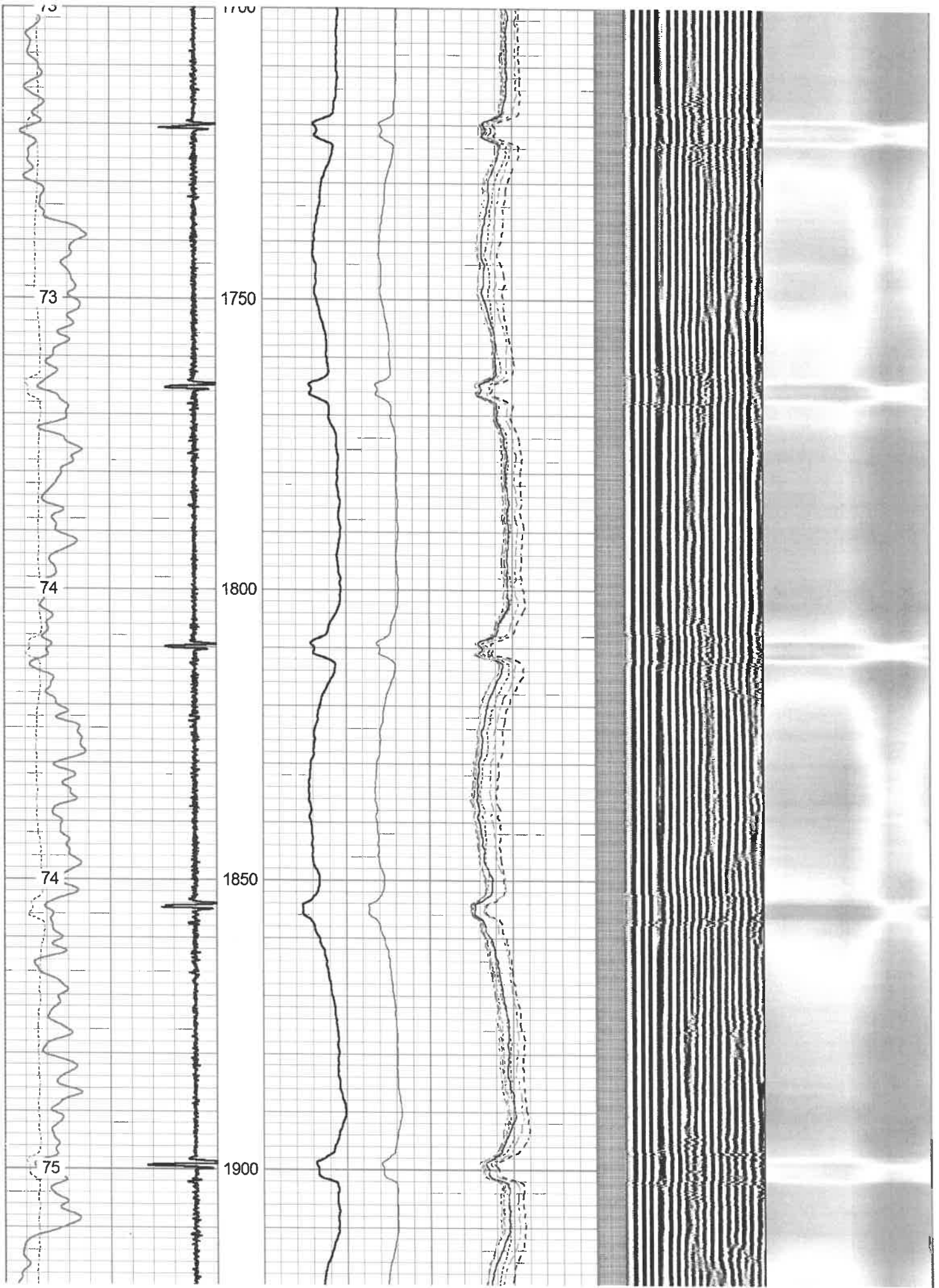


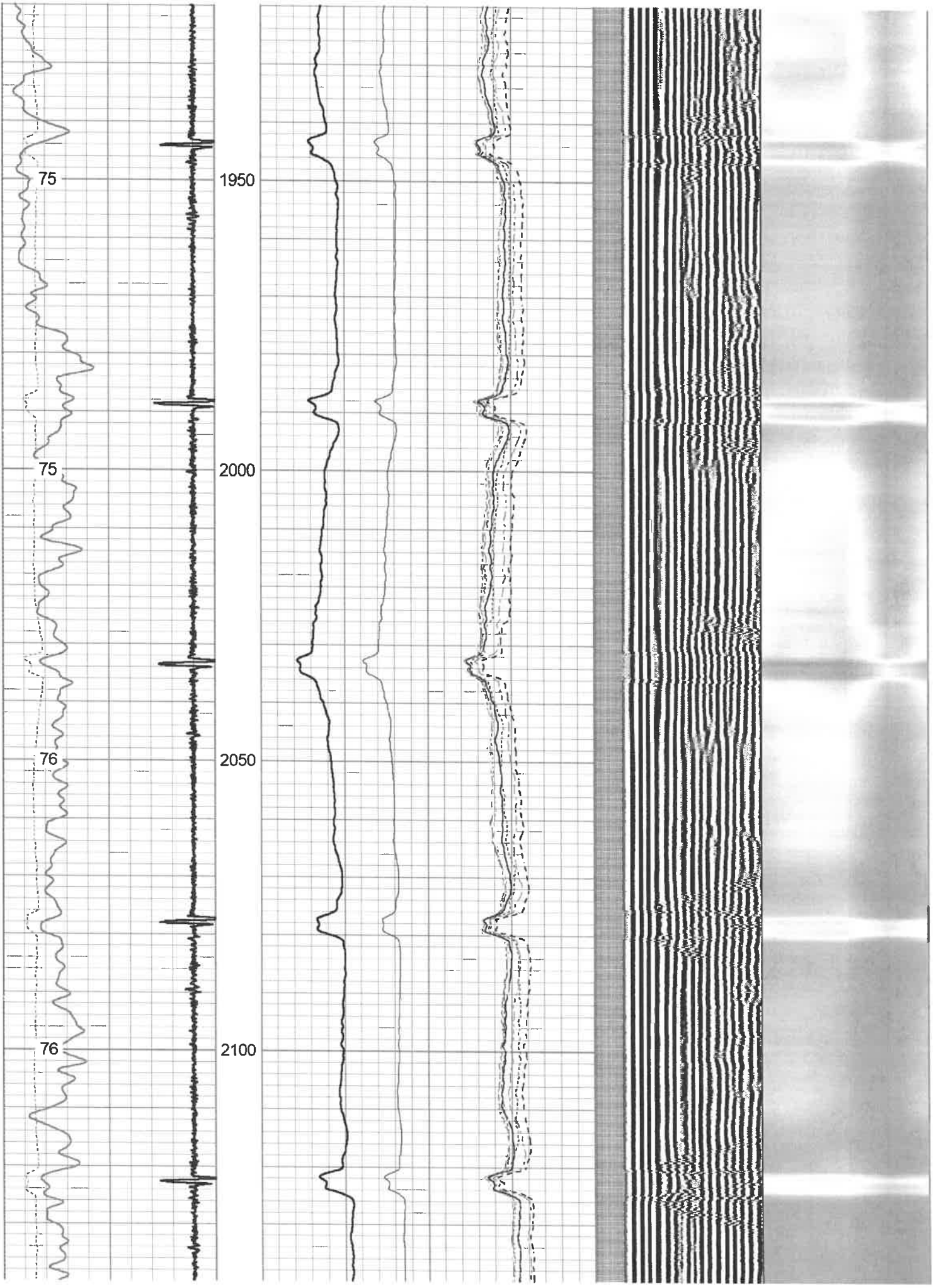


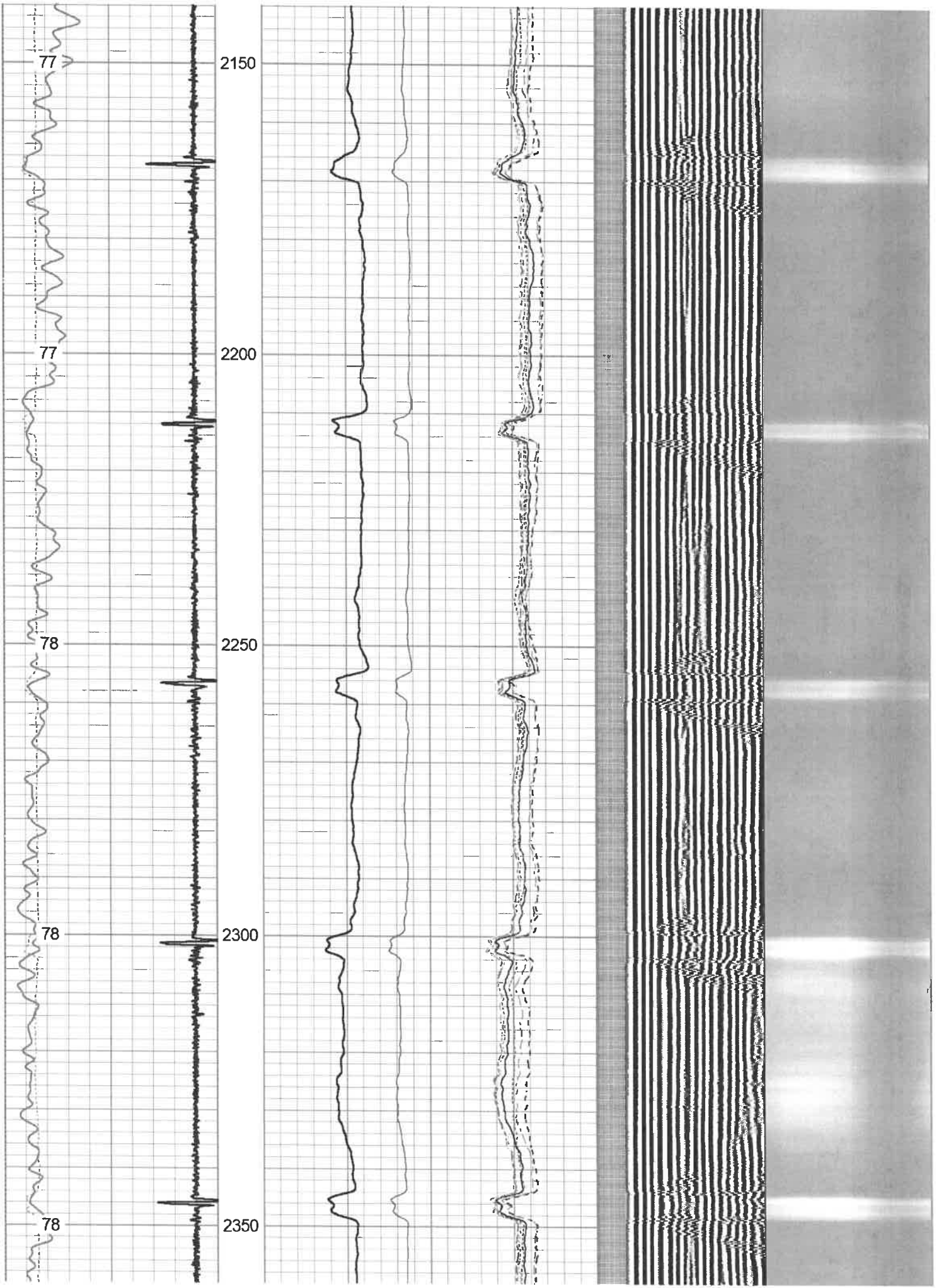


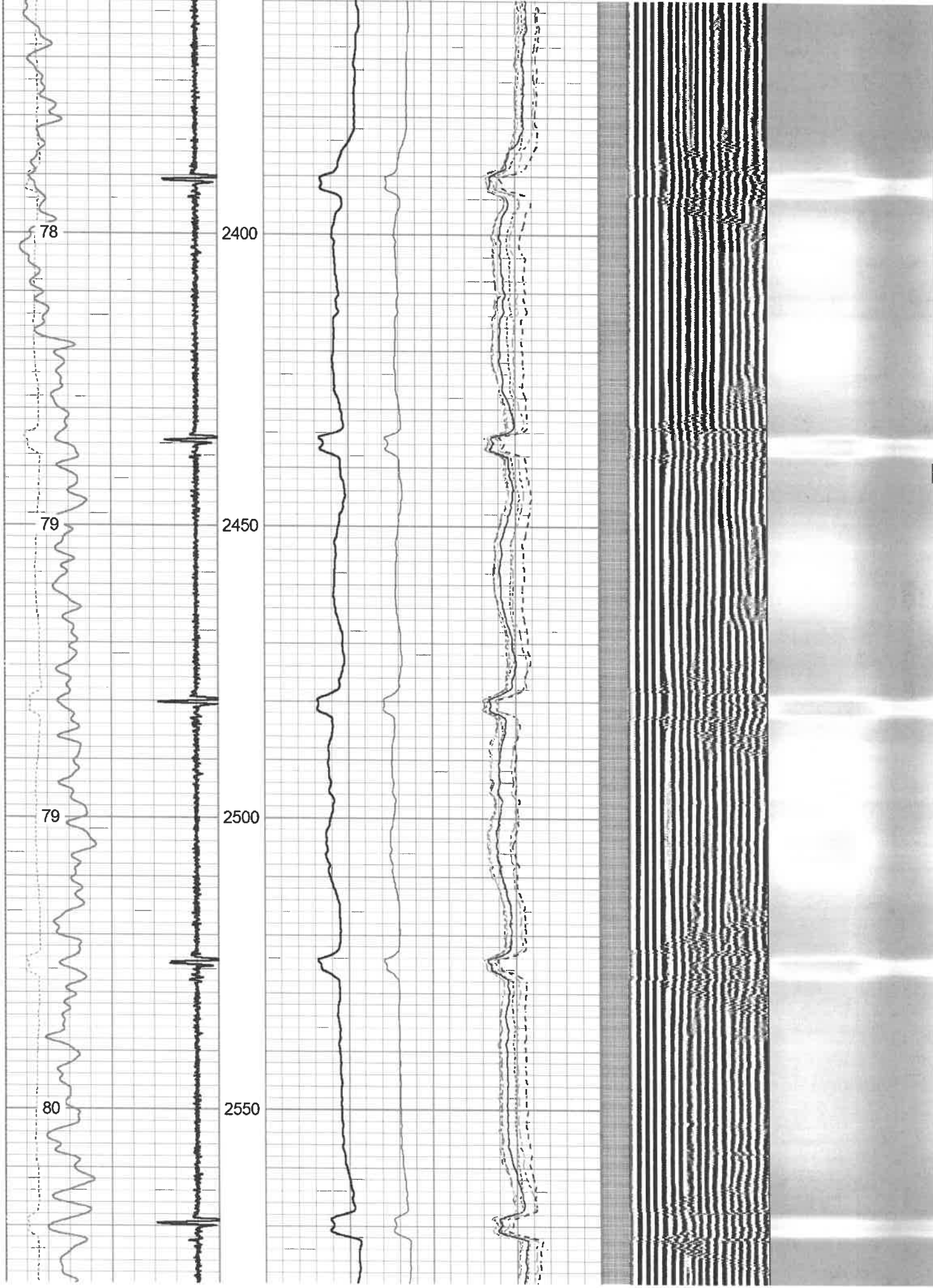


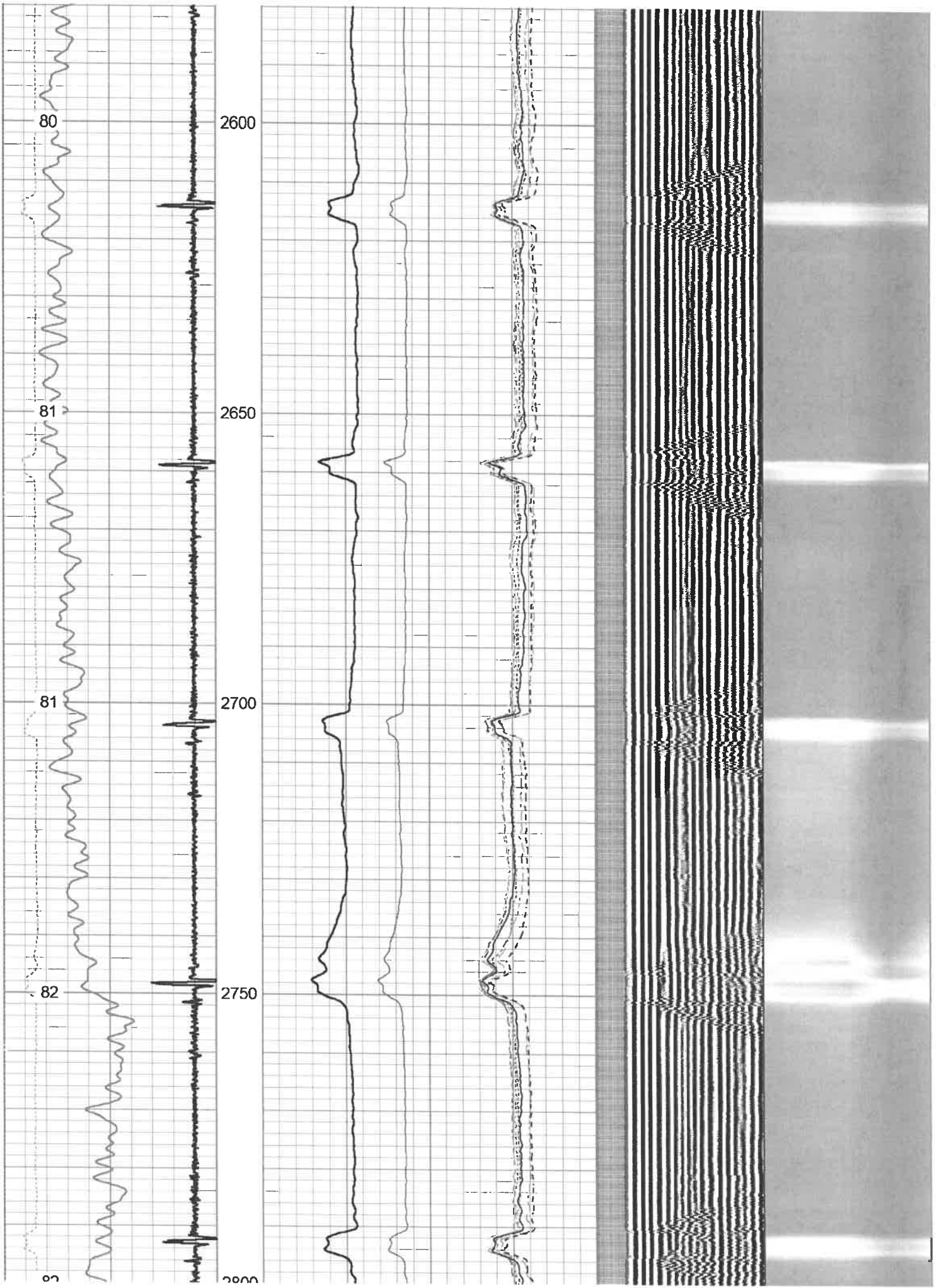


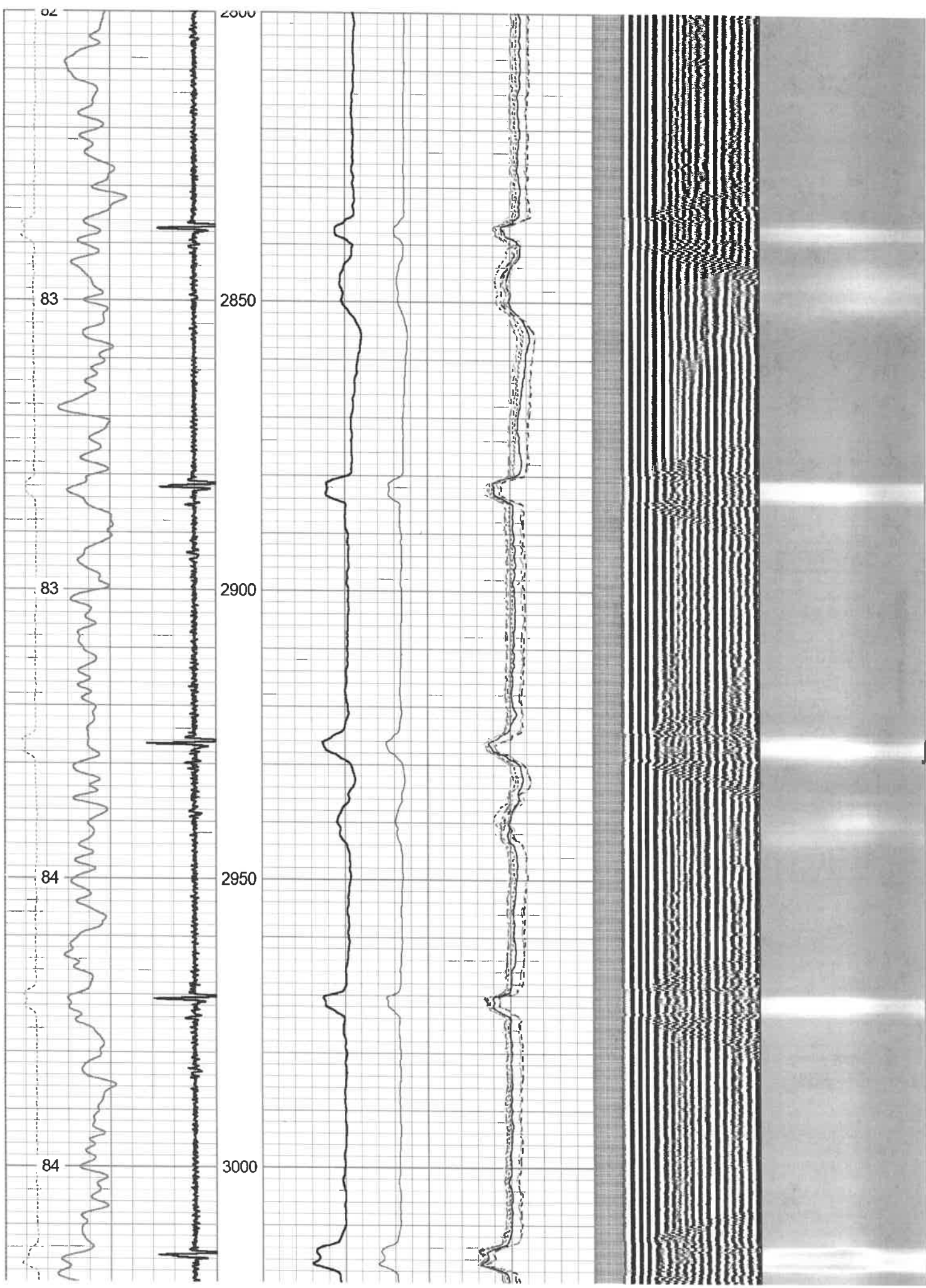


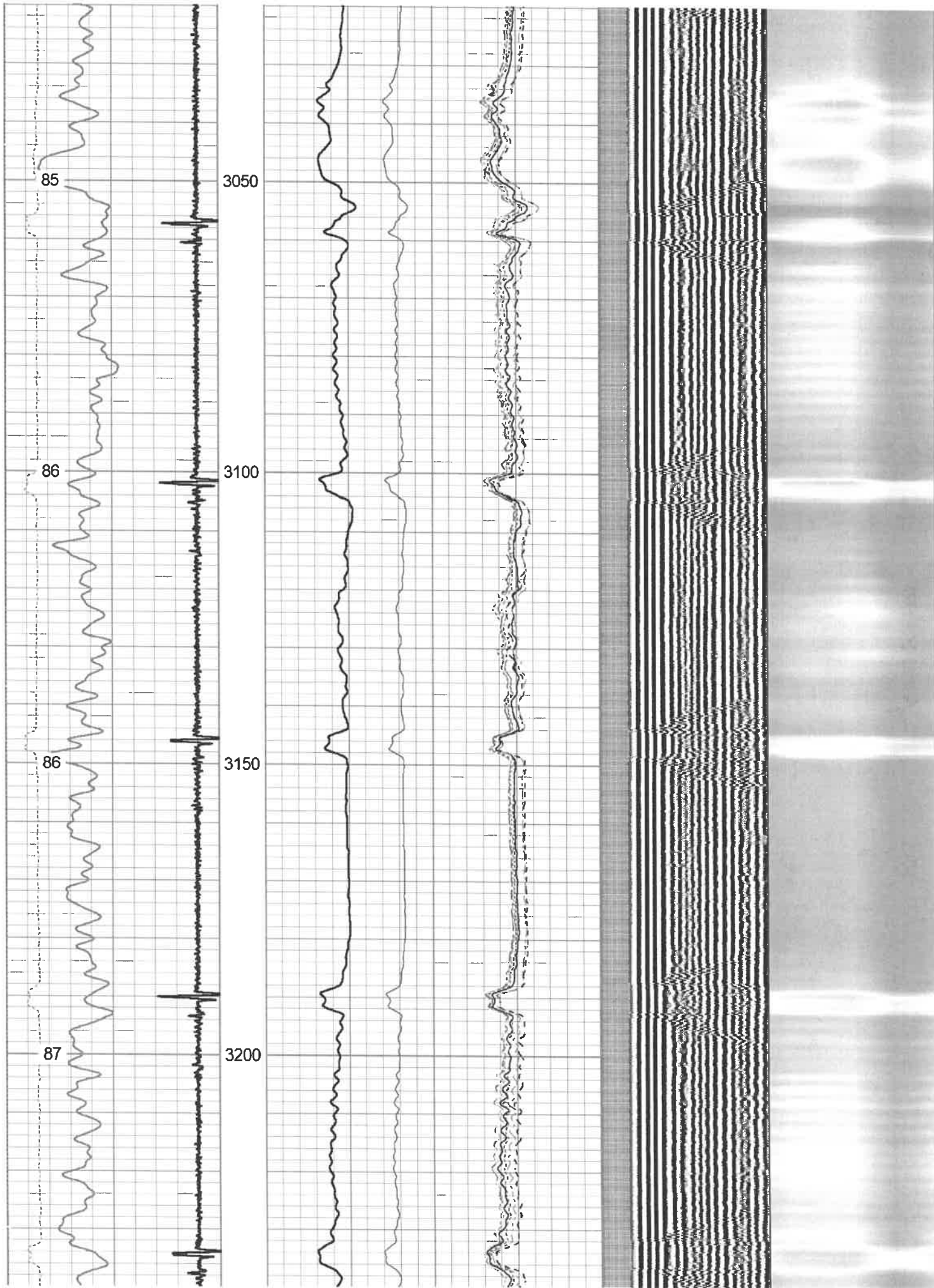






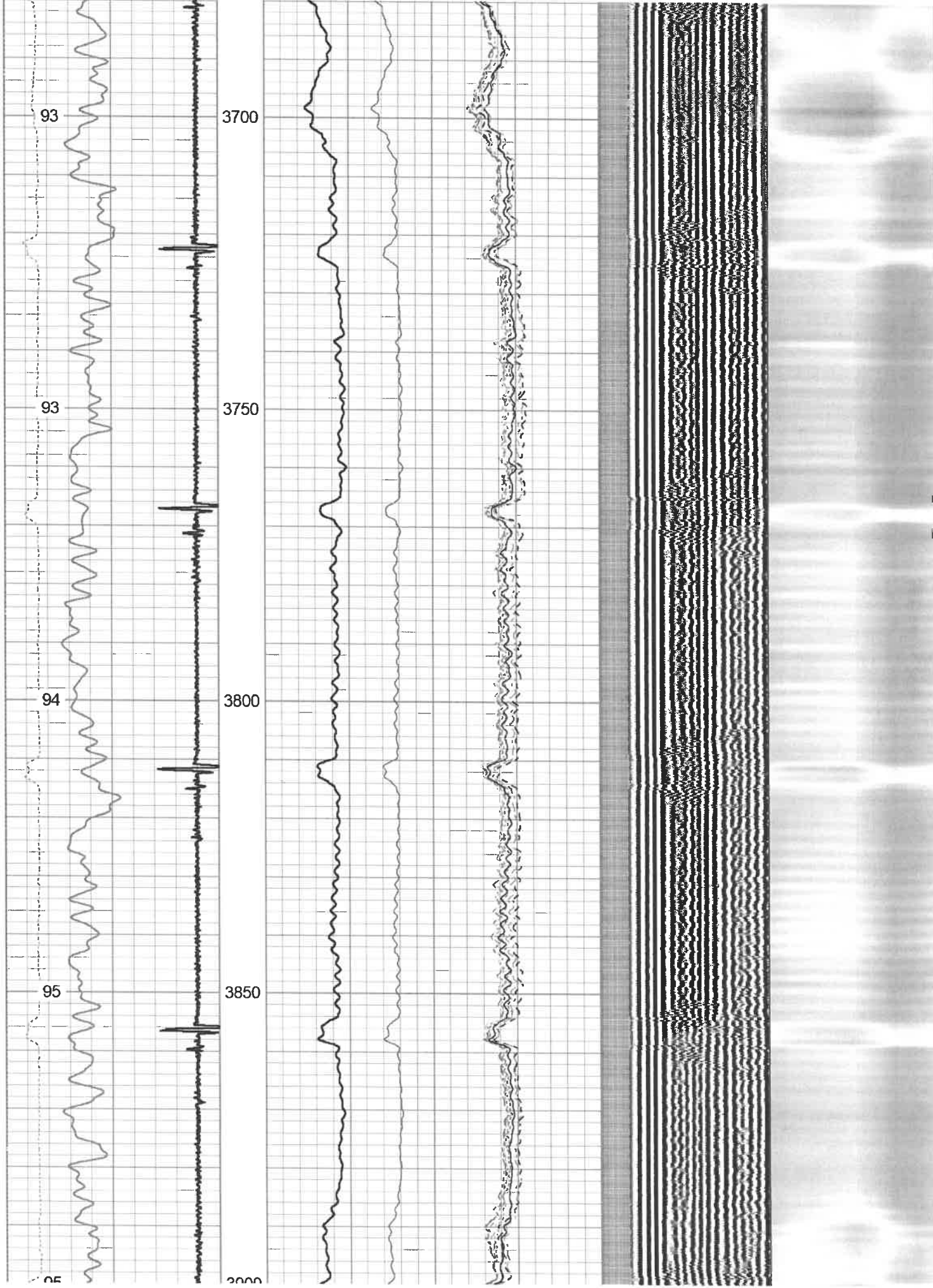


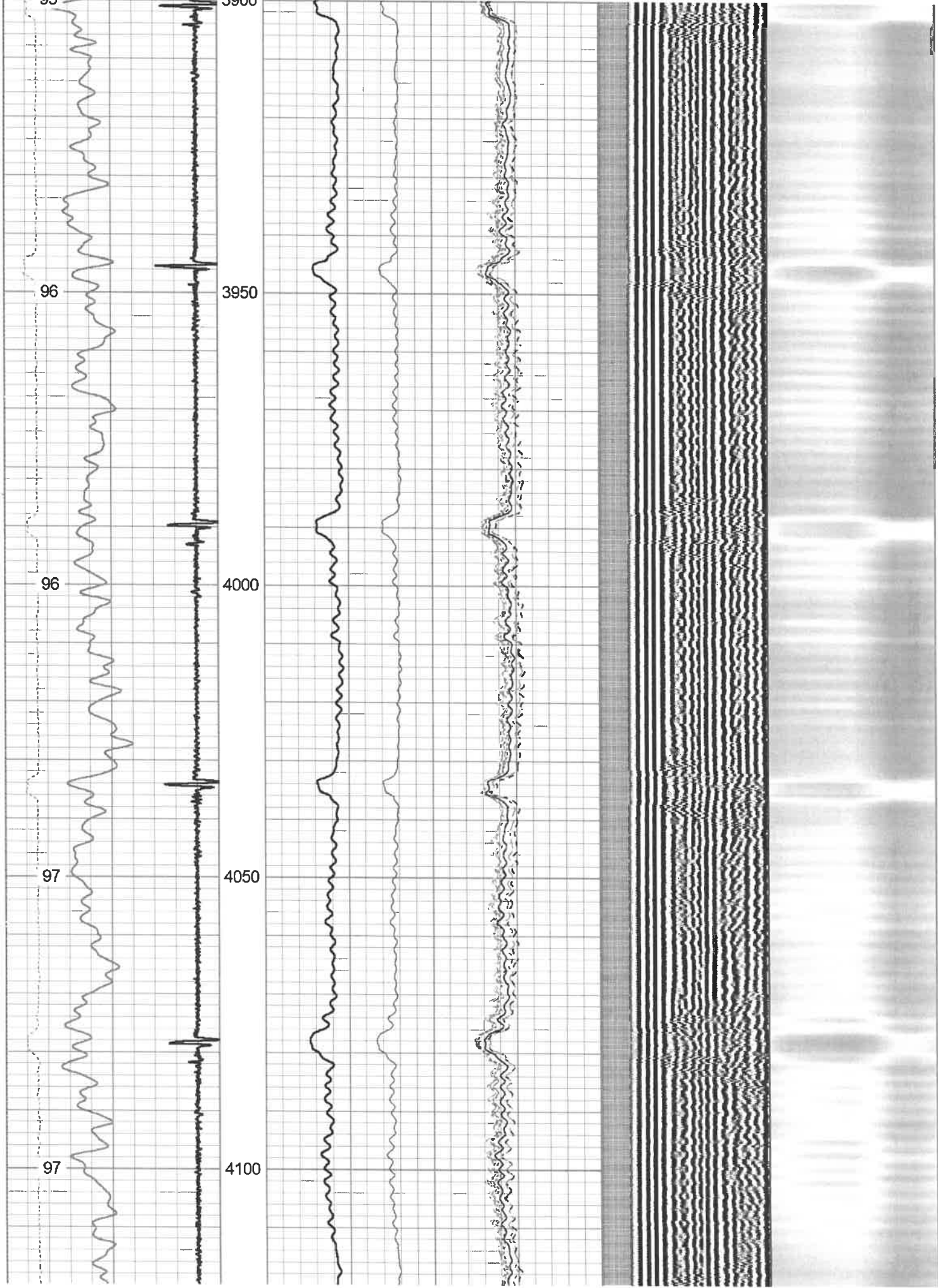


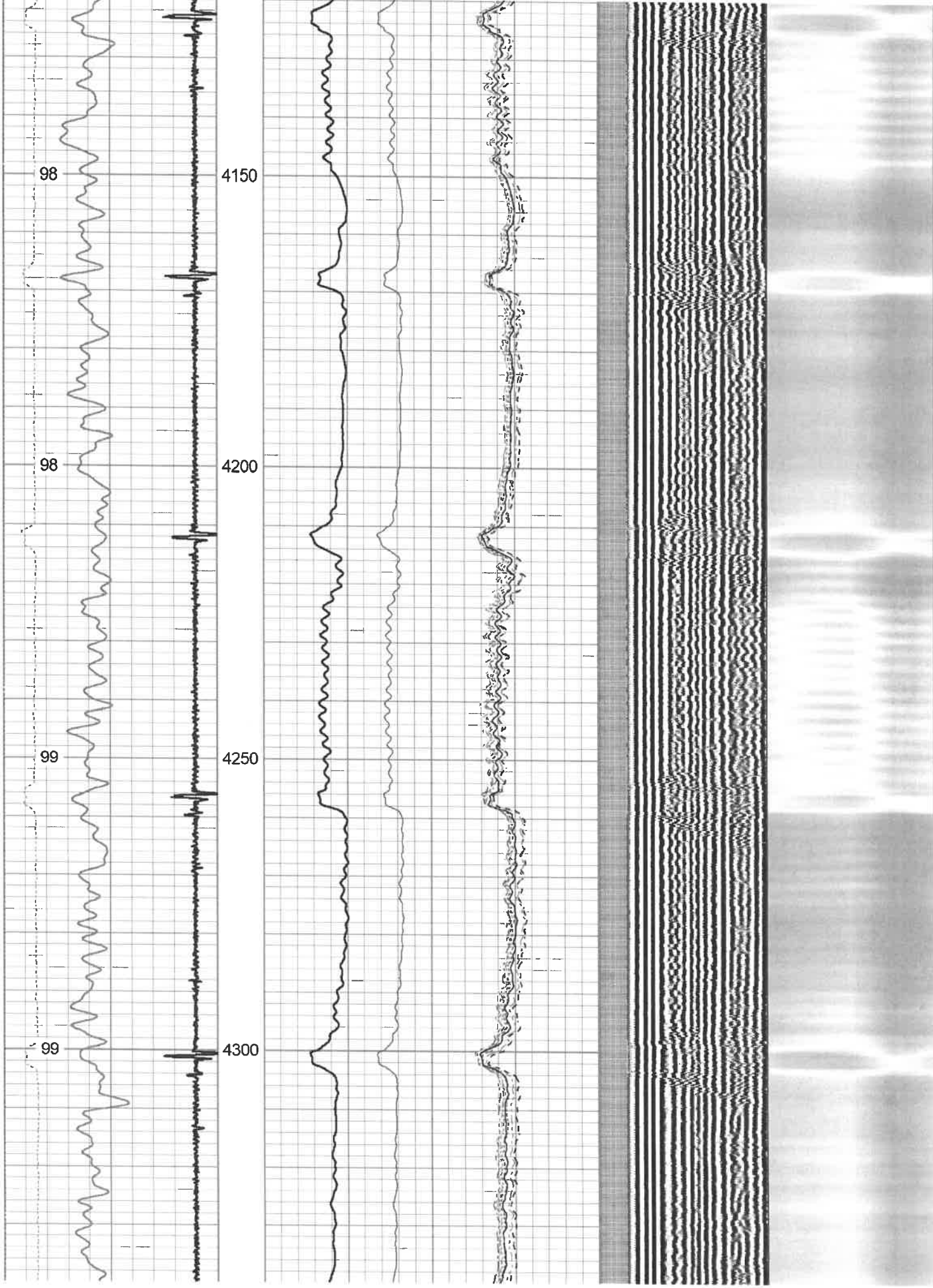


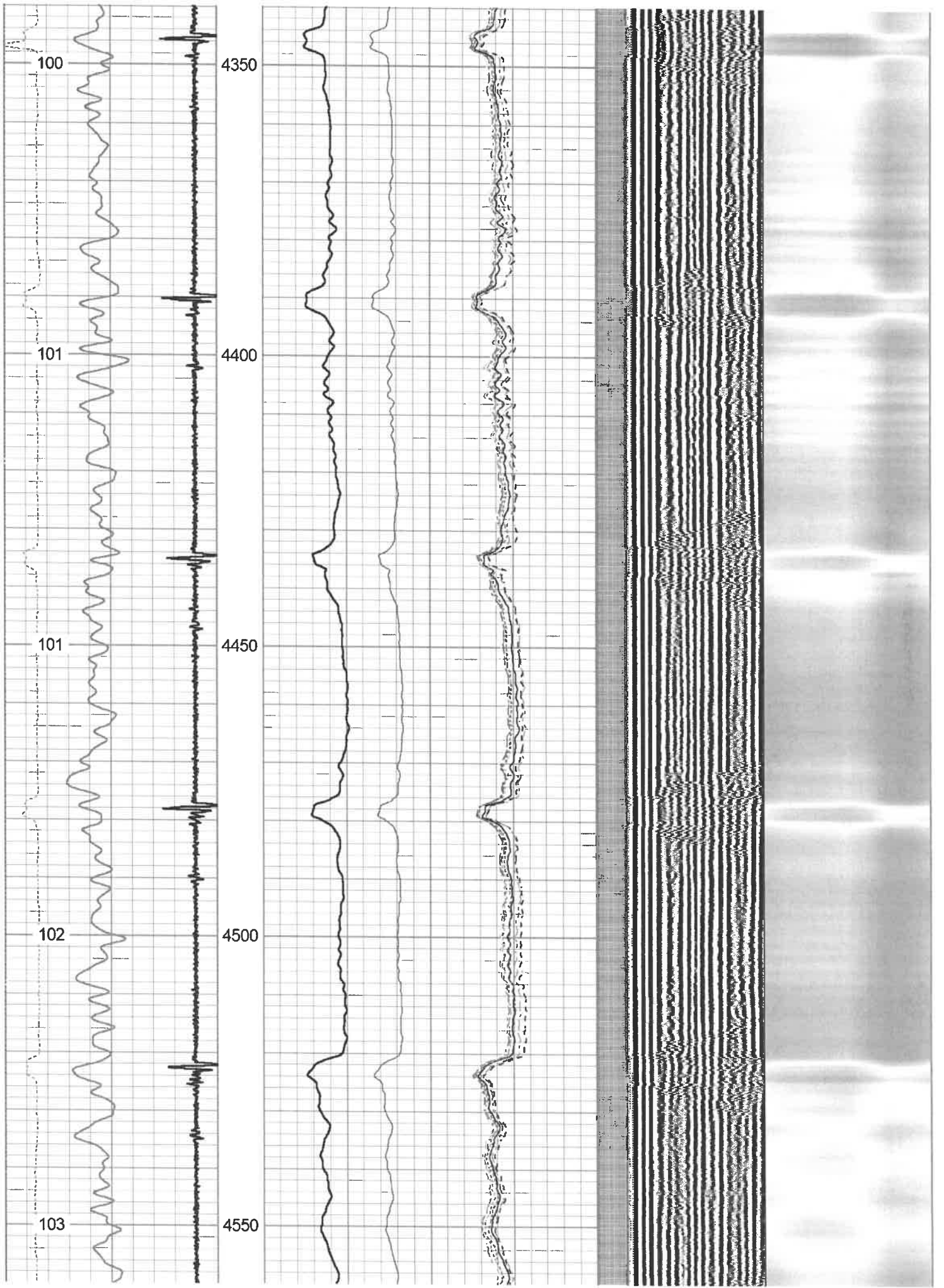


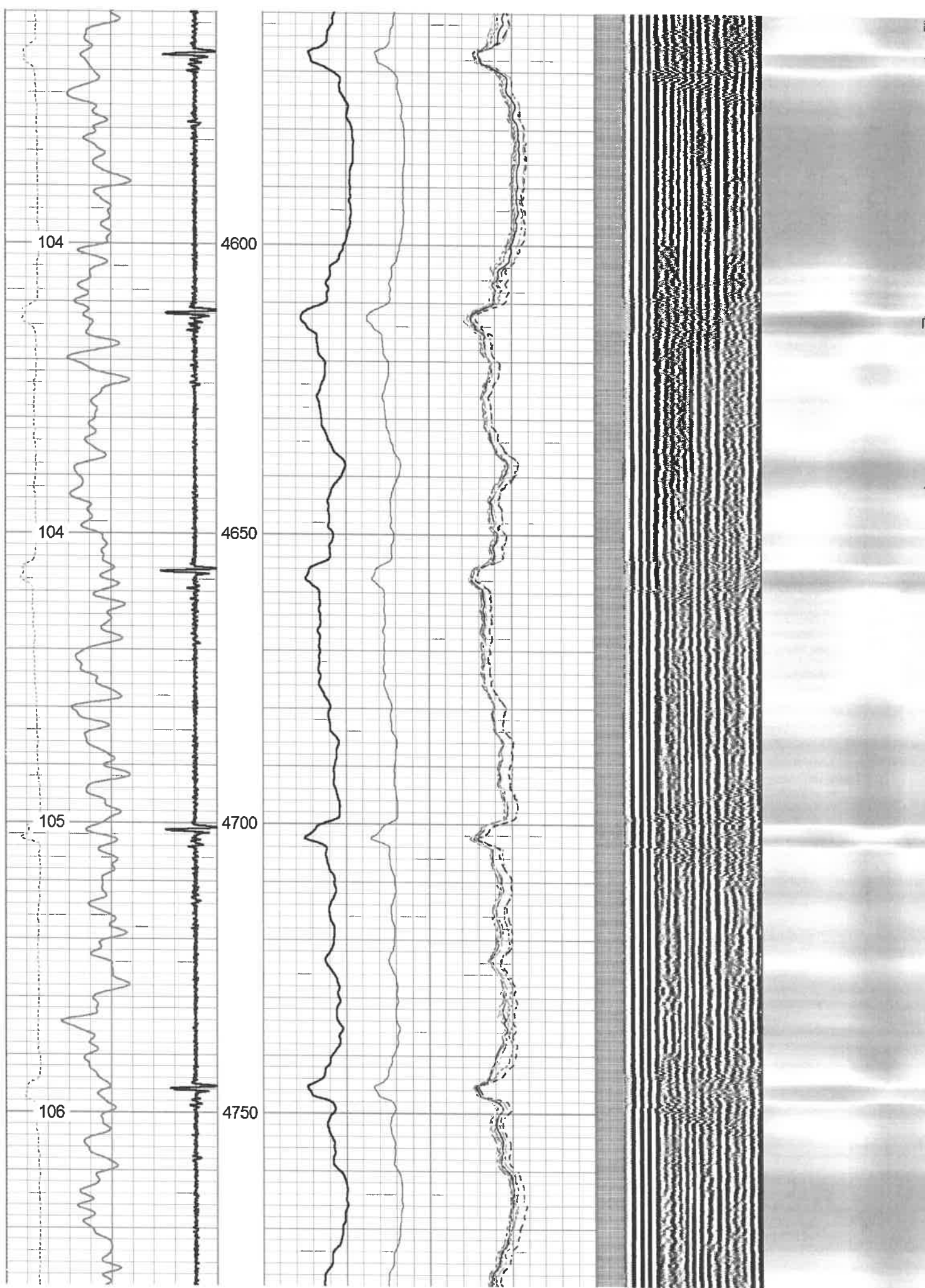


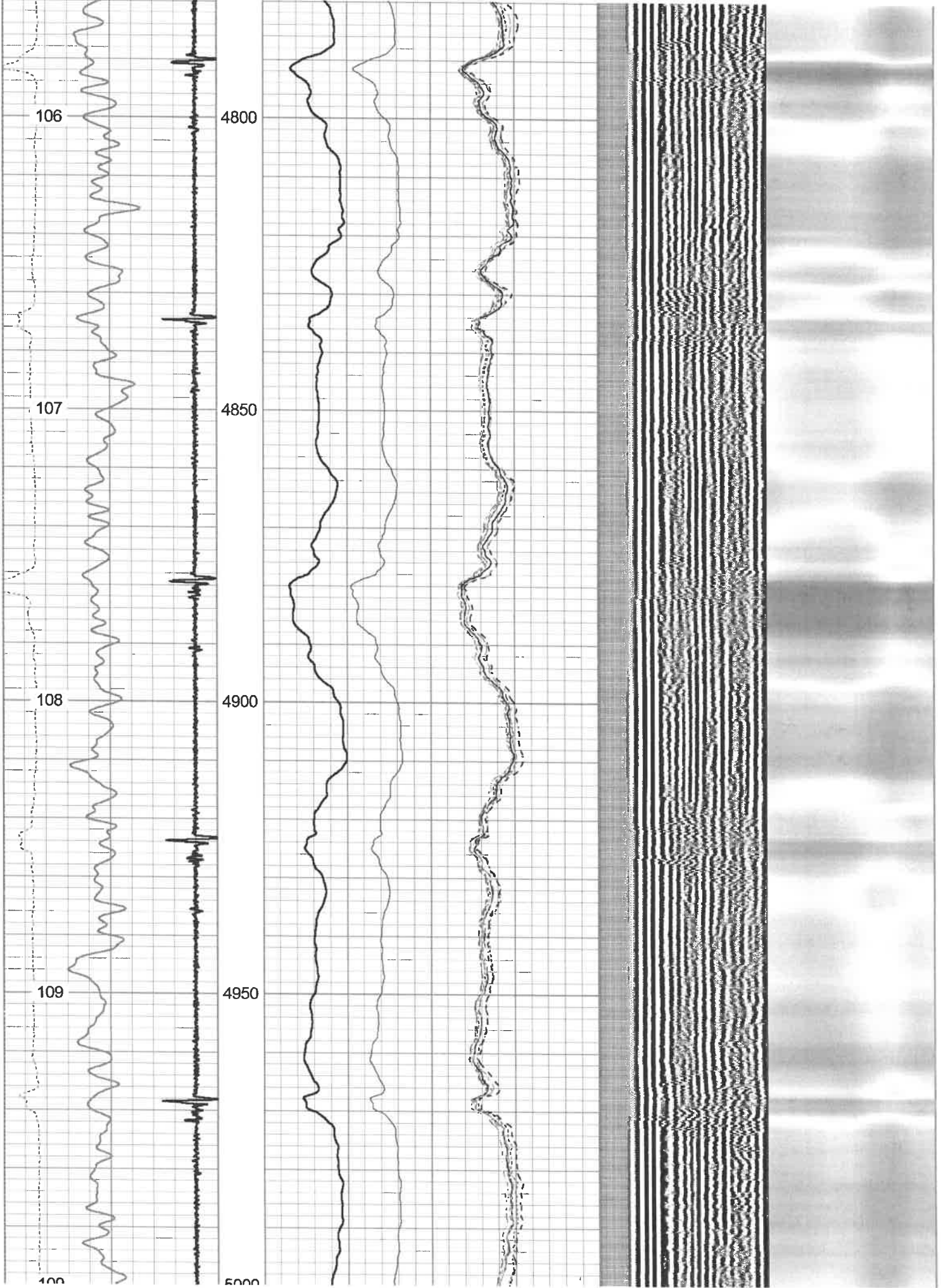


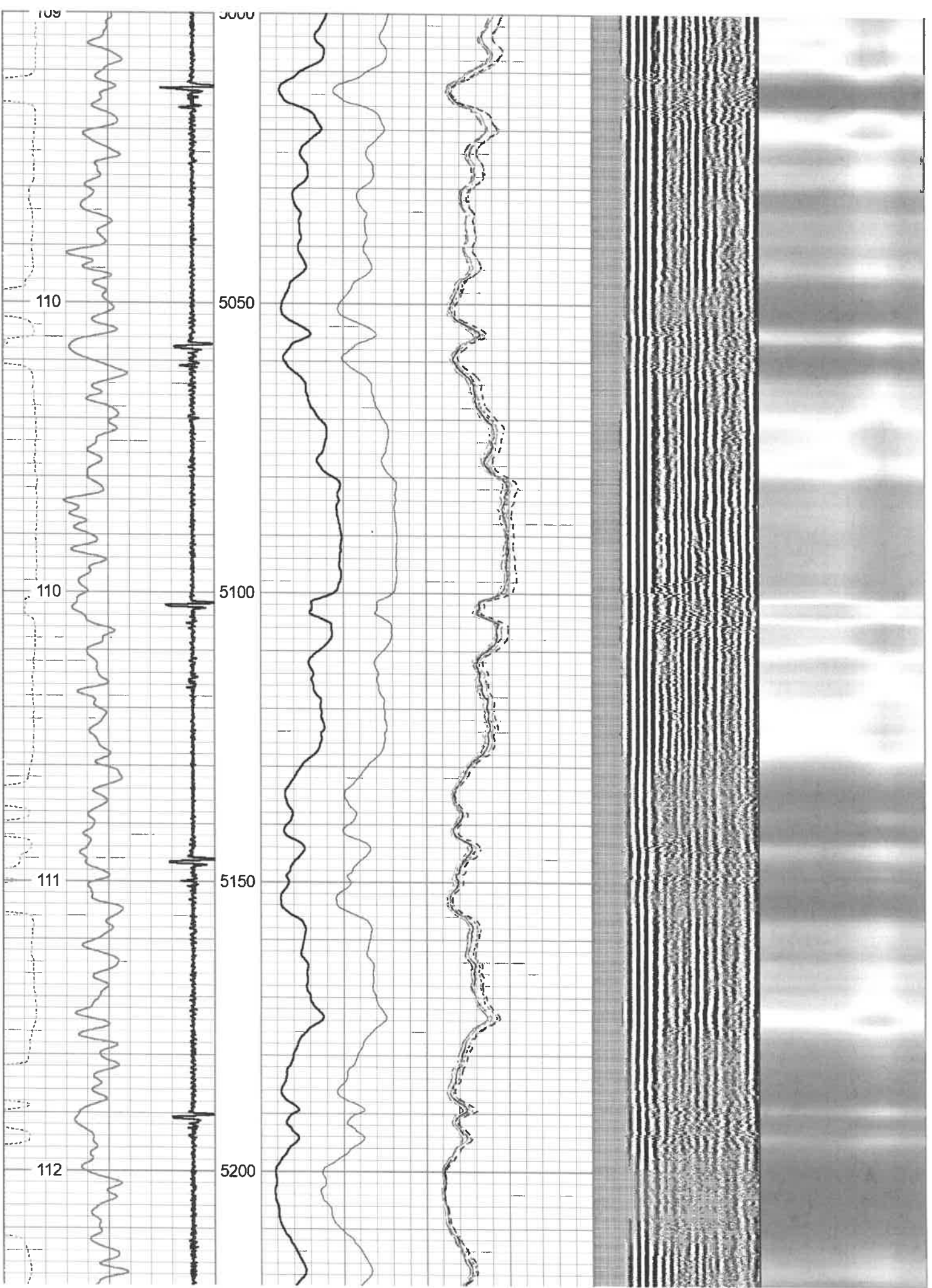


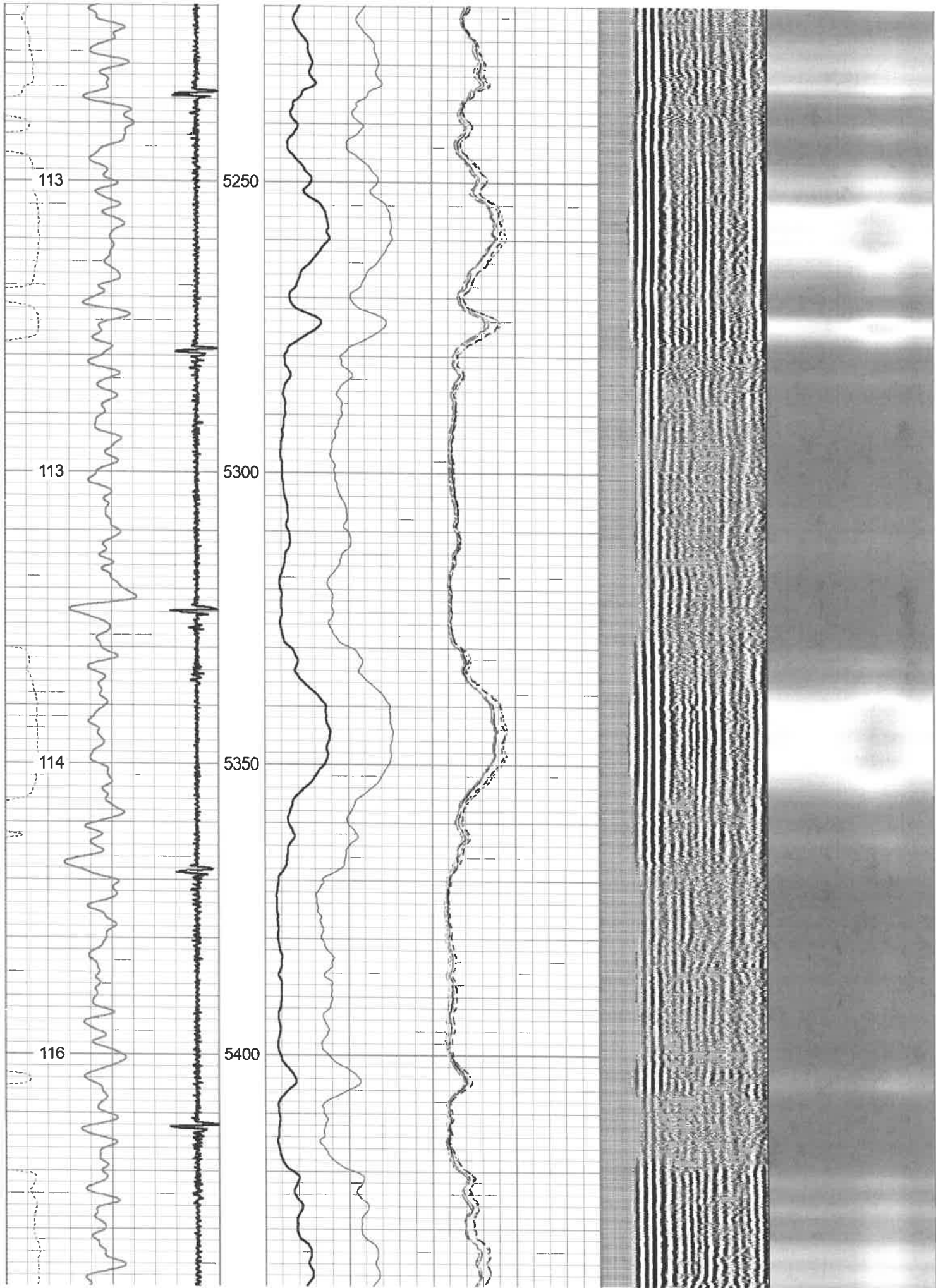


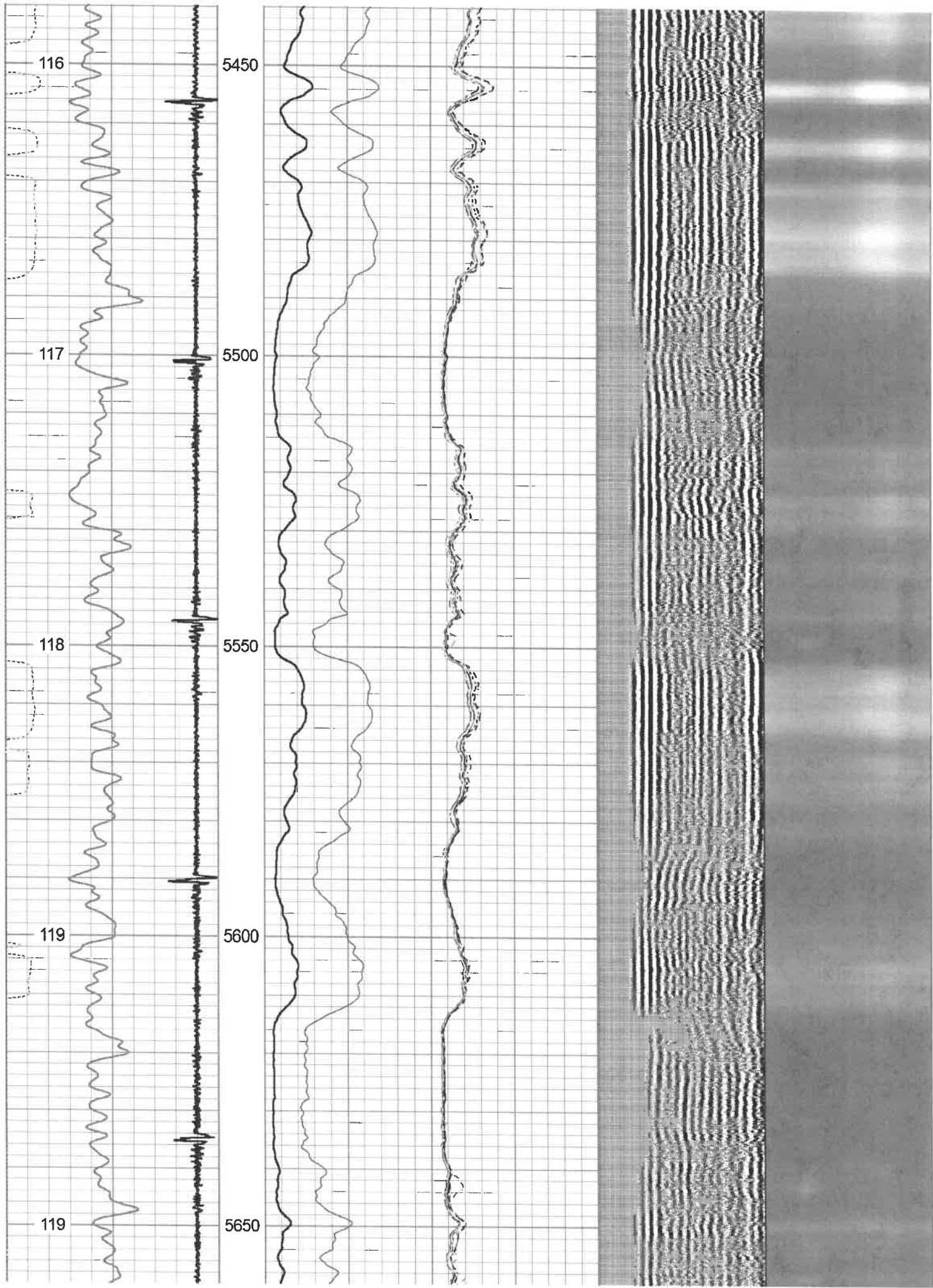




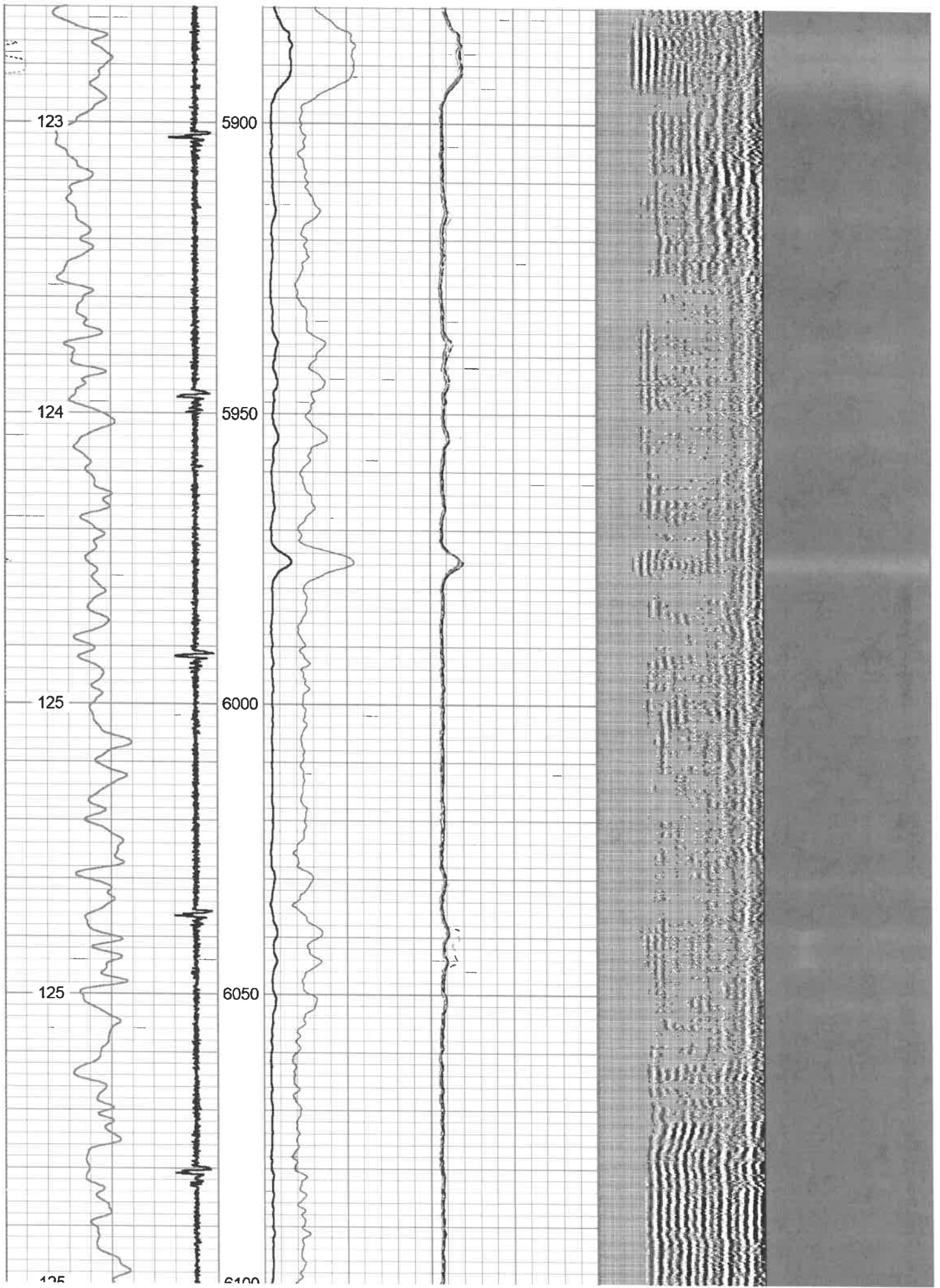


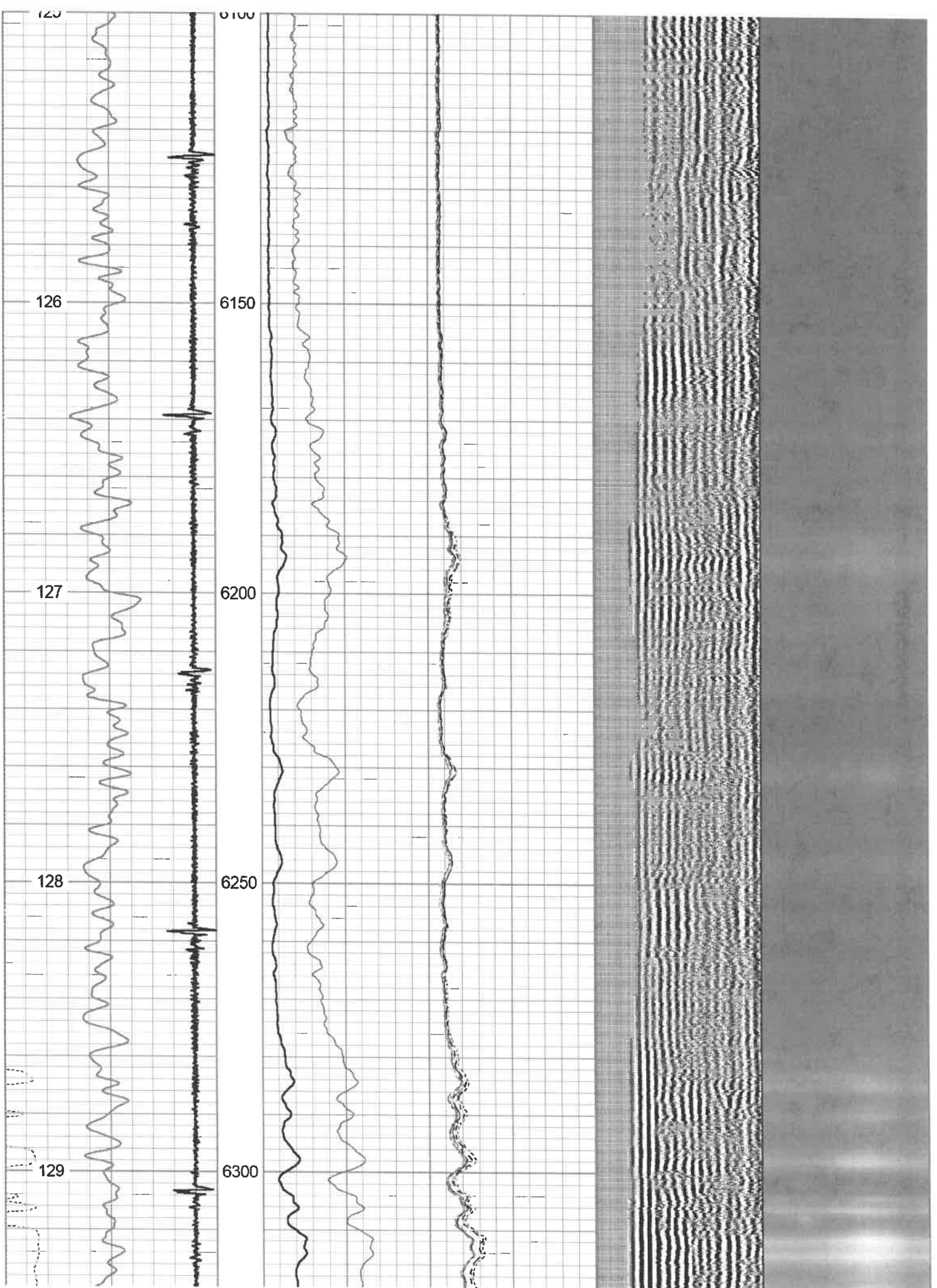


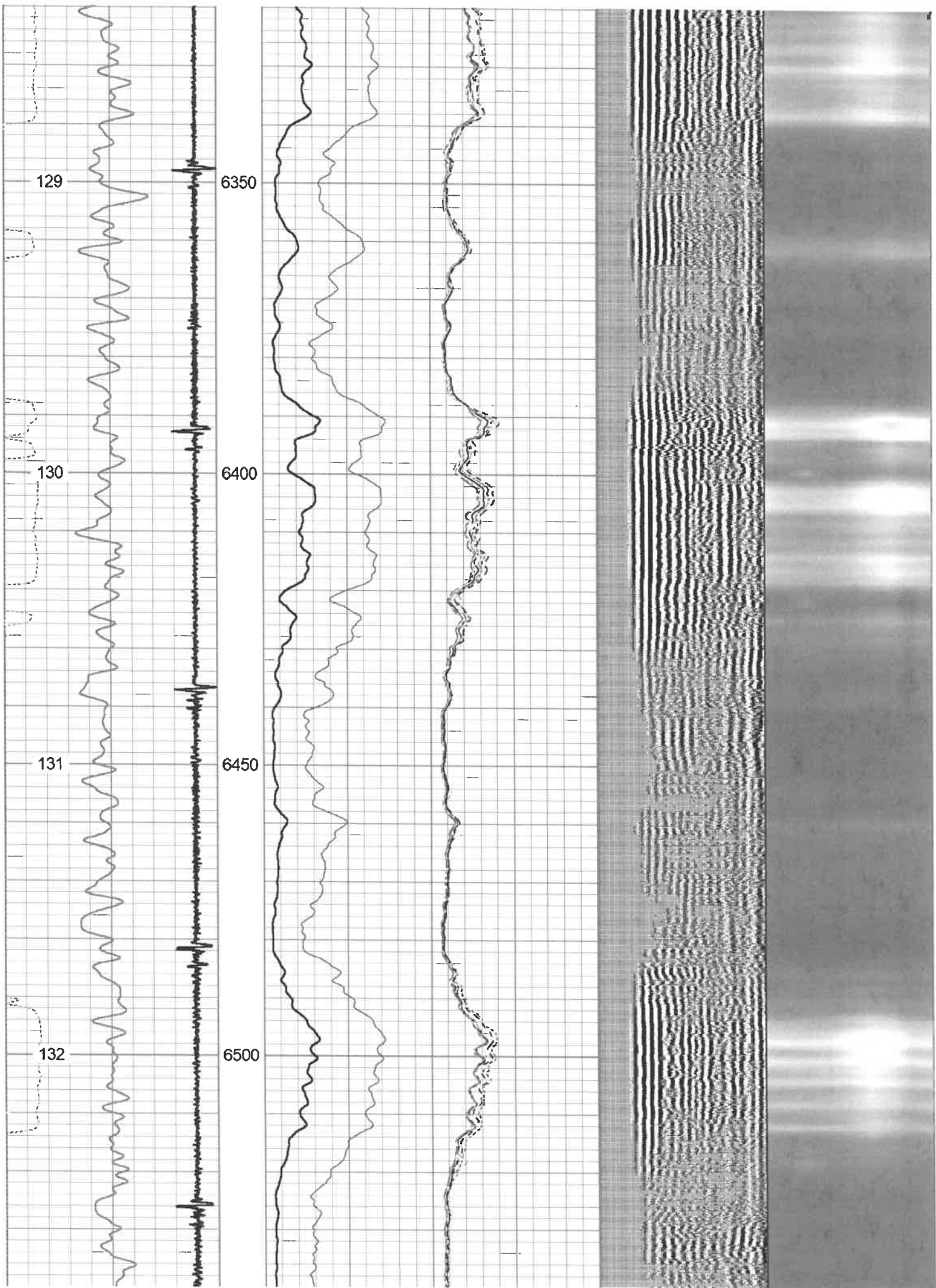


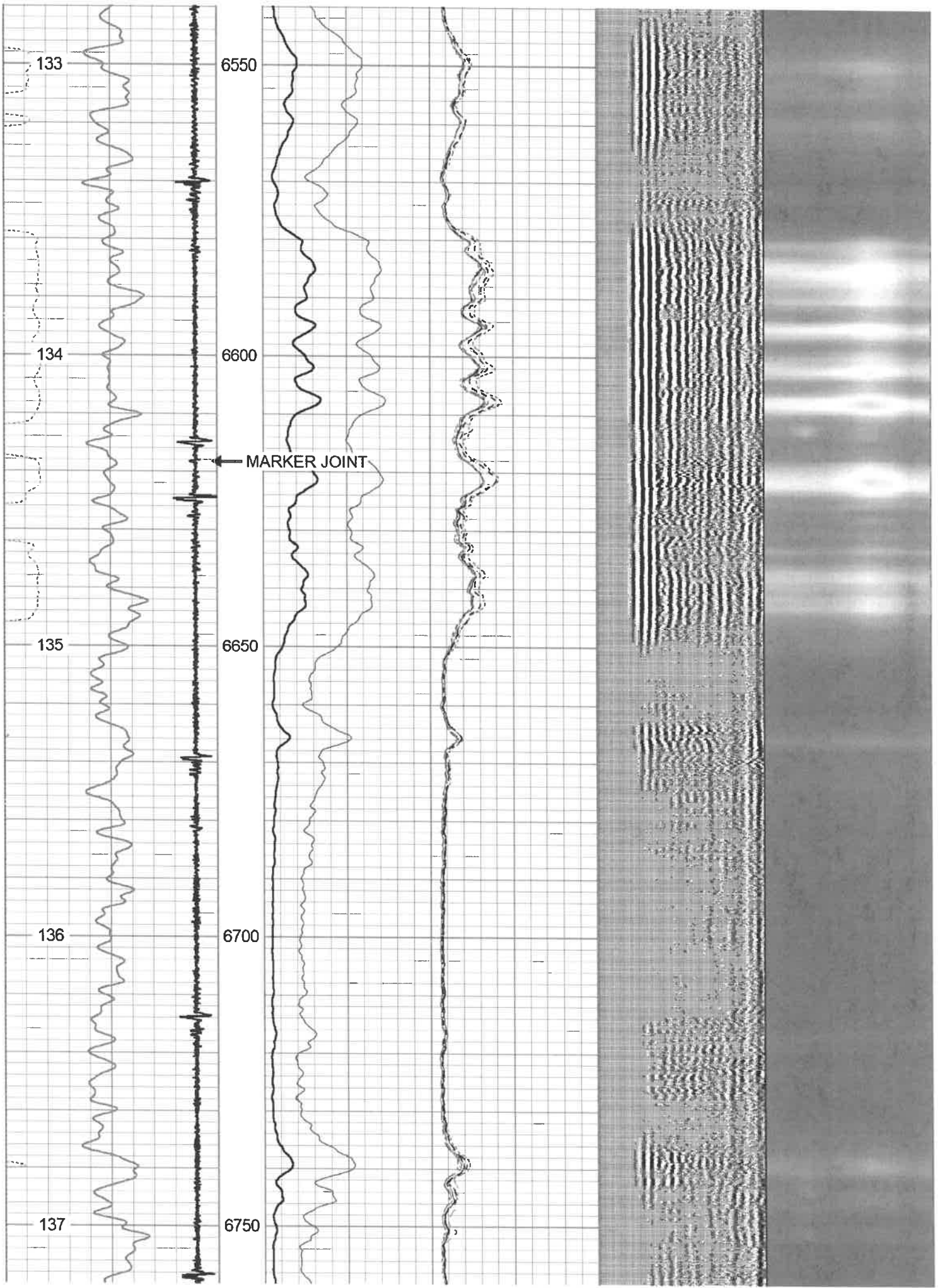


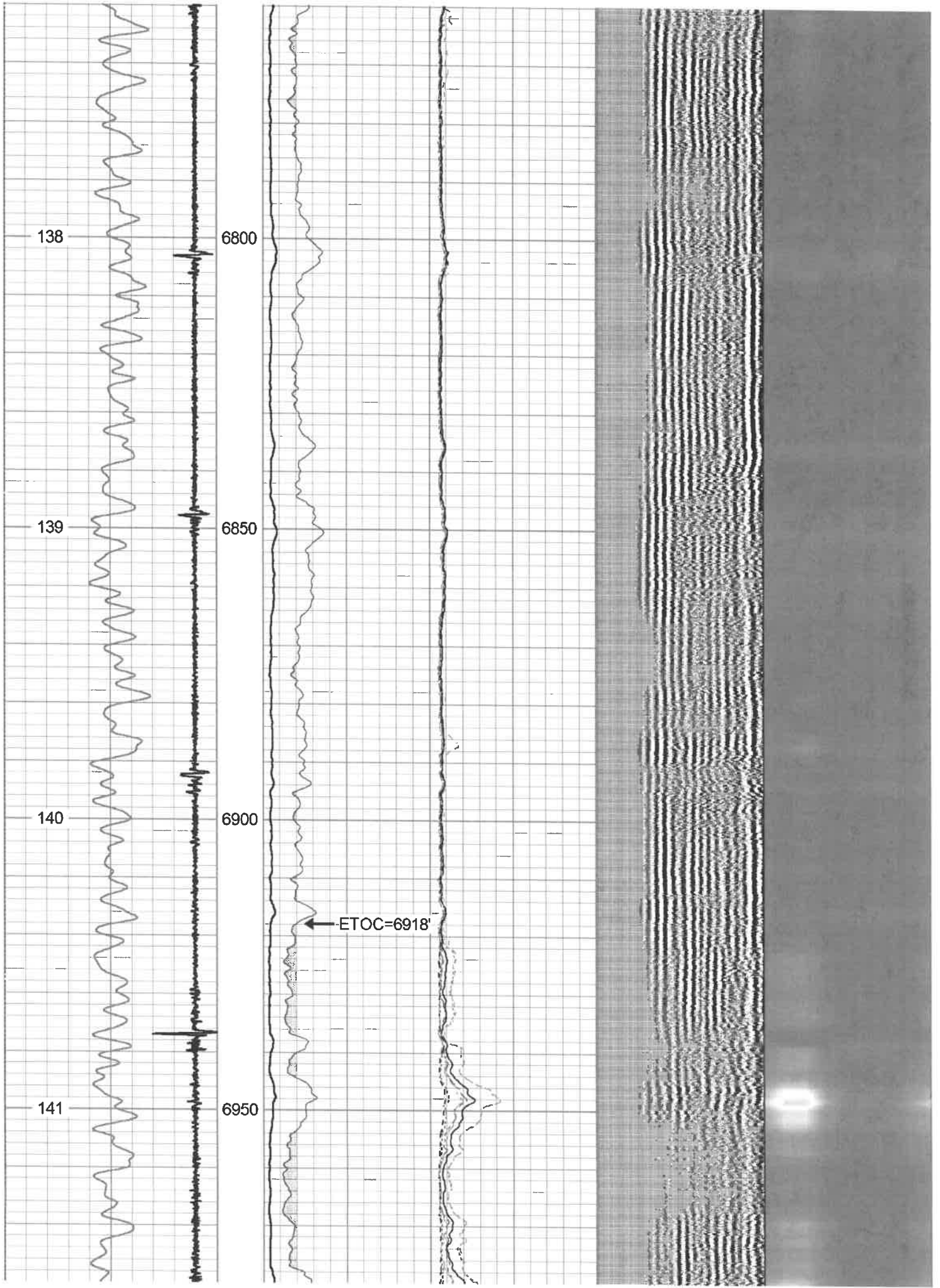


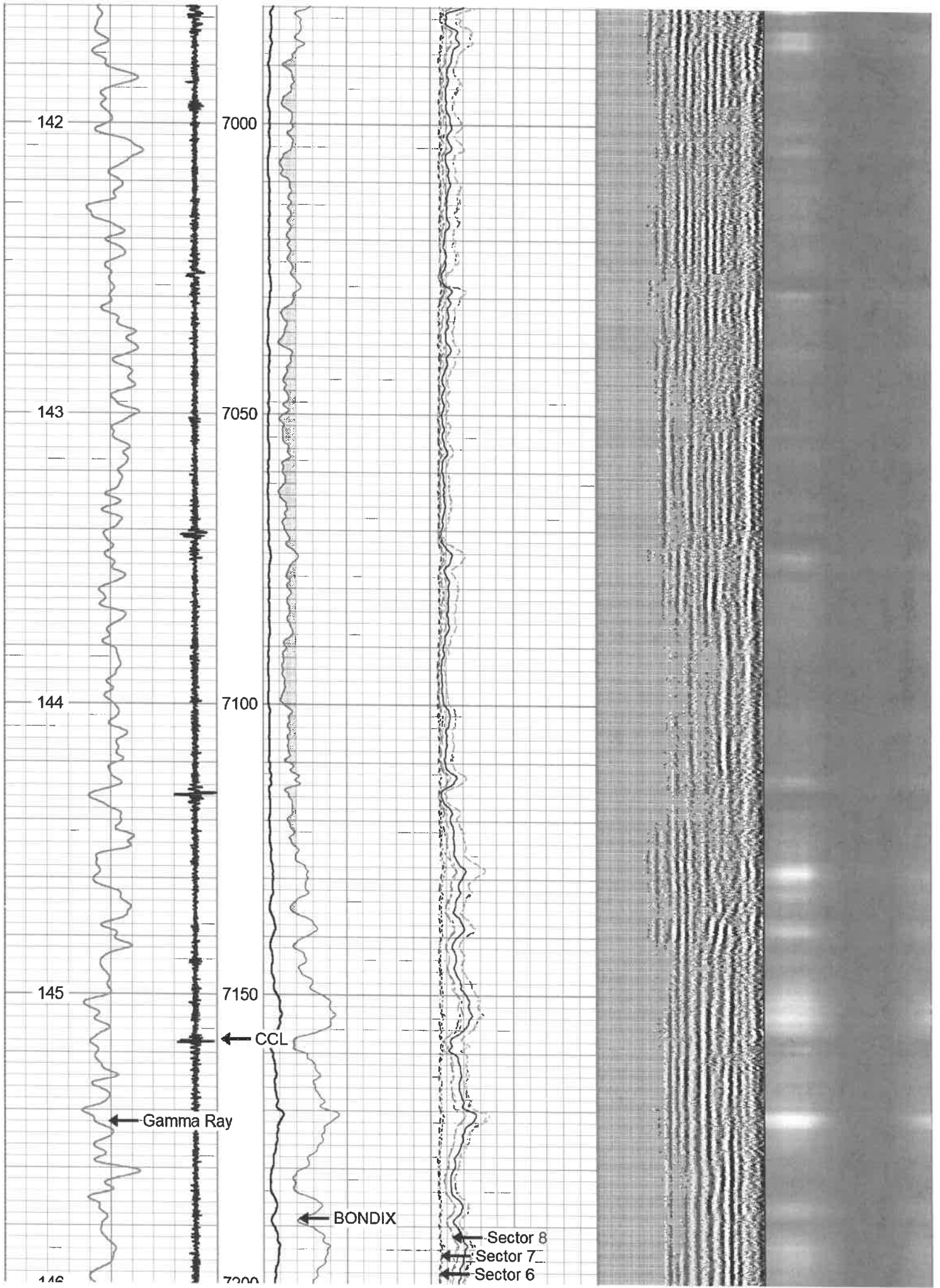


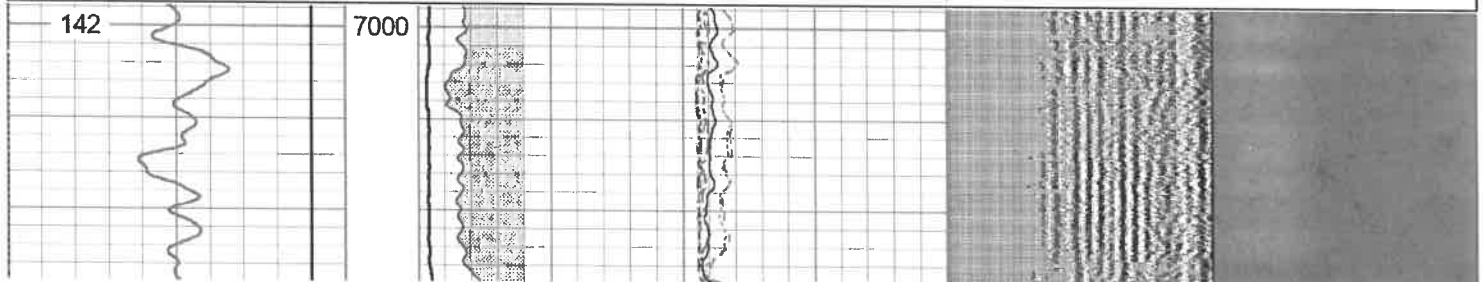
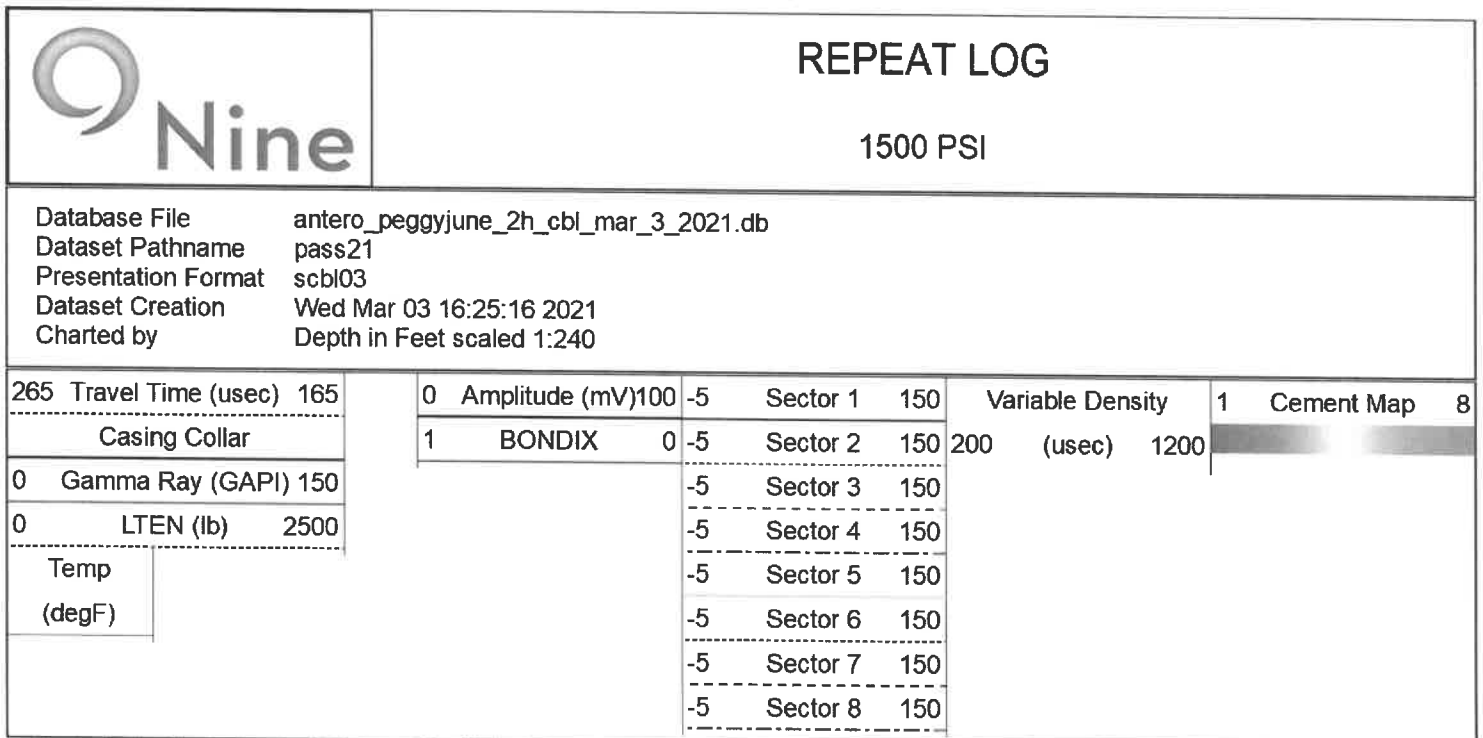
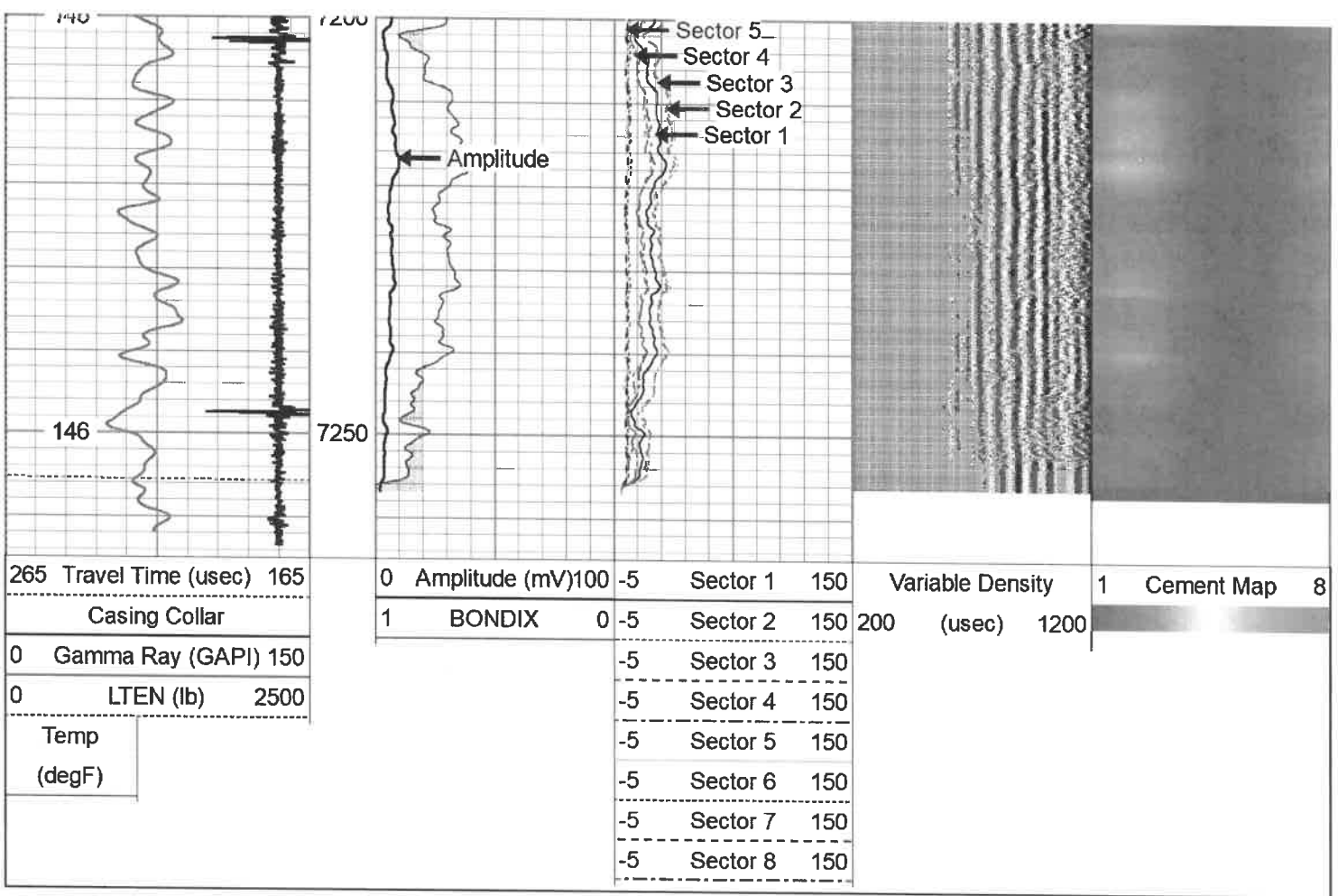


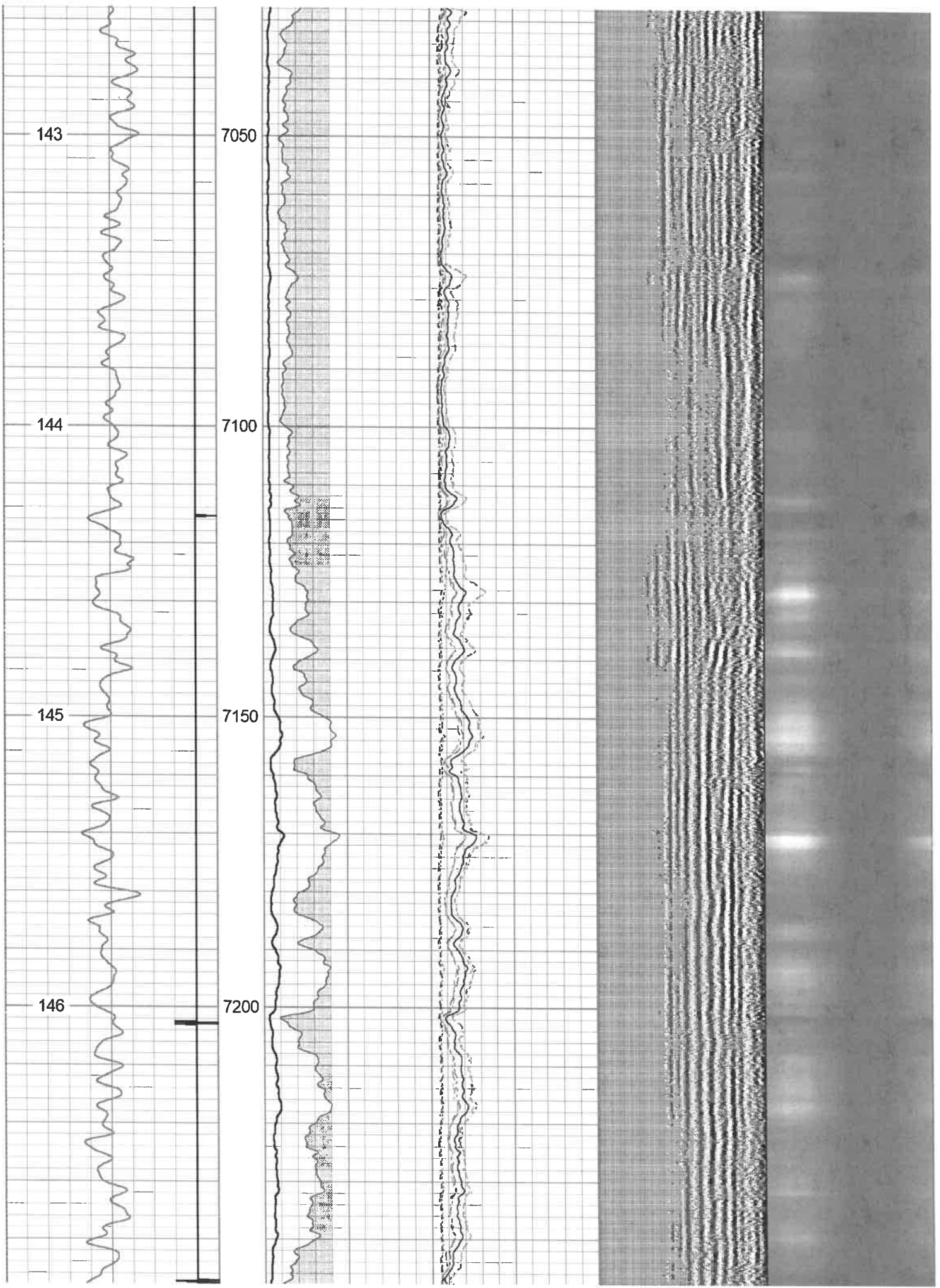


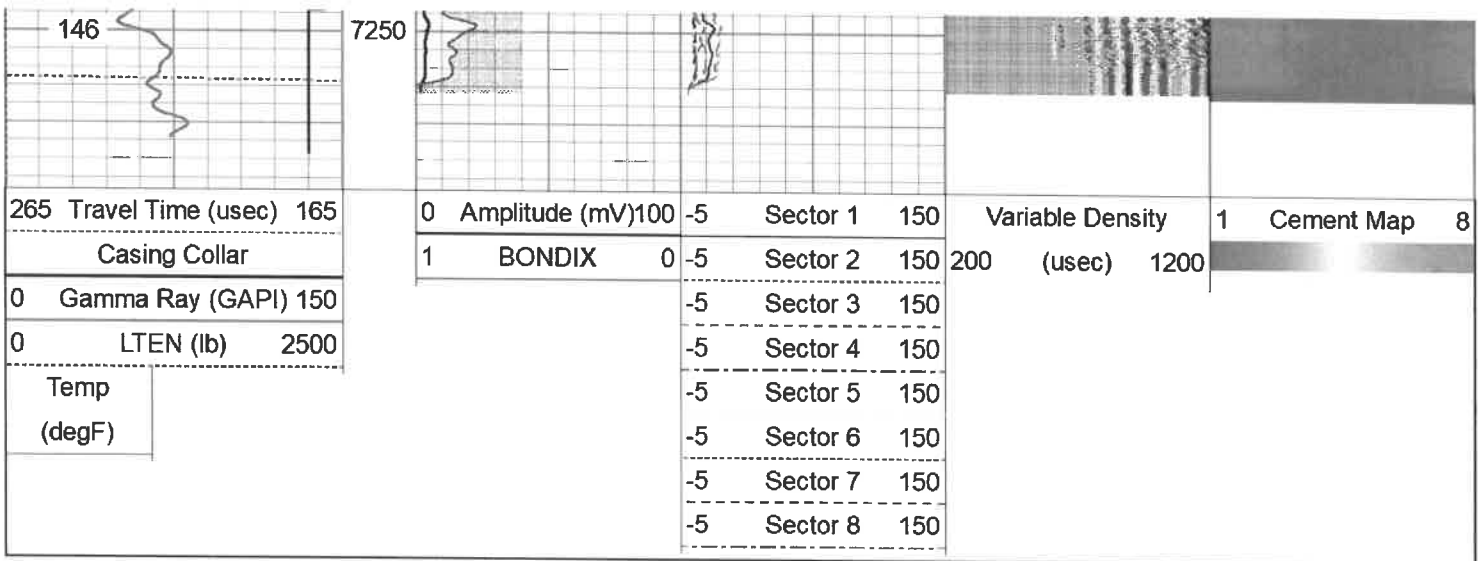












Log Variables

Database: C:\ProgramData\Warrior\Data\antero_peggyjune_2h_cbl_mar_3_2021.db
 Dataset: field/well/run1/pass20/_vars_

Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in 7.875	degF 100	in 5.5	in 0	lb/ft 20	mV 71.9	mV 2.2
MINATTN	PERFS	PPT	SRFTEMP	TDEPTH			
db/ft 0.8	No	usec 261	degF 0	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

Calibration Report

Database File: antero_peggyjune_2h_cbl_mar_3_2021.db
 Dataset Pathname: pass20
 Dataset Creation: Wed Mar 03 14:41:25 2021

Gamma Ray Calibration Report

Serial Number:	FW1211-86
Tool Model:	Probe
Performed:	Wed Mar 03 13:52:43 2021
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

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 136.933 ft

Master Calibration, performed Wed Mar 03 13:32:44 2021:


	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.863	2.200	71.921	81.025	1.991
CAL	0.003	1.066				
5'	0.003	0.797	2.200	71.921	87.736	1.975
SUM						
S1	0.002	0.889	0.000	100.000	112.788	-0.257
S2	0.003	0.878	0.000	100.000	114.259	-0.301
S3	0.002	0.878	0.000	100.000	114.232	-0.280
S4	0.003	0.870	0.000	100.000	115.260	-0.288
S5	0.003	0.878	0.000	100.000	114.273	-0.290
S6	0.002	0.864	0.000	100.000	116.055	-0.288
S7	0.002	0.836	0.000	100.000	120.012	-0.290
S8	0.002	0.850	0.000	100.000	118.044	-0.282

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.003	1.066	1.000	0.000

Air Zero Calibration, performed Wed Mar 03 12:13:55 2021:

	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

	Company	ANTERO	RECEIVED Office of Oil and Gas AUG 30 2021 WV Department of Environmental Protection
	Well	PEGGY JUNE 2H	
	Field	SOUTH CANTON	
	County	DODDRIDGE	
	State	WEST VIRGINIA	